

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059928.D
 Acq On : 31 Aug 2018 11:11
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 9/4/2018 10:48:48 AM

Quant Time: Aug 31 14:40:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1302350	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1809053	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1503408	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	798925	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	541840	49.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	6.30	113	723004	50.98	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	9.43	98	2009970	51.06	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.42	95	781345	48.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	572315	49.16	ug/l	96
3) Chloromethane	1.75	50	520851	49.39	ug/l	98
4) Vinyl Chloride	1.84	62	448673	54.26	ug/l	98
5) Bromomethane	2.13	94	72925	51.08	ug/l	96
6) Chloroethane	2.24	64	141666	54.58	ug/l	99
7) Trichlorofluoromethane	2.49	101	546614	57.14	ug/l	98
8) Diethyl Ether	2.81	74	116481	54.27	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.07	101	333248	56.88	ug/l	95
10) Methyl Iodide	3.22	142	335429	53.48	ug/l	99
11) Tert butyl alcohol	3.94	59	203726	243.24	ug/l	97
12) 1,1-Dichloroethene	3.06	96	259413	56.88	ug/l	93
13) Acrolein	2.97	56	73827m	203.23	ug/l	
14) Allyl chloride	3.51	41	582220	56.43	ug/l	99
15) Acrylonitrile	4.06	53	774820	247.04	ug/l	98
16) Acetone	3.14	43	584114	292.08	ug/l	100
17) Carbon Disulfide	3.29	76	759726	53.66	ug/l	98
18) Methyl Acetate	3.53	43	223866	53.62	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1296452	50.25	ug/l	99
20) Methylene Chloride	3.70	84	725095	54.67	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	654159	52.06	ug/l	99
22) Diisopropyl ether	4.83	45	2749012	52.24	ug/l	98
23) Vinyl Acetate	4.78	43	7495257	254.79	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1217435	53.55	ug/l	100
25) 2-Butanone	5.60	43	1566541	264.49	ug/l	98
26) 2,2-Dichloropropane	5.56	77	1004937	52.88	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	740024	53.78	ug/l	99
28) Bromochloromethane	5.90	49	569485	52.27	ug/l	98
29) Tetrahydrofuran	5.93	42	708154	251.14	ug/l	99
30) Chloroform	6.08	83	1250691	54.13	ug/l	98
31) Cyclohexane	6.34	56	1019943	48.80	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1014334	51.73	ug/l	98
36) 1,1-Dichloropropene	6.50	75	864656	52.73	ug/l	99
37) Ethyl Acetate	5.67	43	634585	49.73	ug/l	99
38) Carbon Tetrachloride	6.47	117	863922	52.20	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	948097	53.51	ug/l	99
40) Benzene	6.78	78	2281337	53.50	ug/l	99
41) Methacrylonitrile	5.91	41	340705m	53.00	ug/l	
42) 1,2-Dichloroethane	6.88	62	696781	50.90	ug/l	98
43) Isopropyl Acetate	8.33	43	819318	49.35	ug/l	98
44) Trichloroethene	7.72	130	674533	53.73	ug/l	98
45) 1,2-Dichloropropane	8.09	63	637866	53.52	ug/l	97
46) Dibromomethane	8.19	93	395171	51.56	ug/l	99
47) Bromodichloromethane	8.47	83	935561	53.92	ug/l	100
48) Methyl methacrylate	8.22	41	477295	49.32	ug/l	97
49) 1,4-Dioxane	8.21	88	87868	1016.97	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	3224477	260.52	ug/l	99
52) Toluene	9.53	92	1483574	54.26	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	827758	51.58	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	990073	53.21	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	497340	49.76	ug/l	97
56) Ethyl methacrylate	10.01	69	573188	49.69	ug/l	97
57) 1,3-Dichloropropane	10.37	76	760242	52.55	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	1397639	252.58	ug/l	99
59) 2-Hexanone	10.48	43	2427087	265.86	ug/l	100
60) Dibromochloromethane	10.62	129	655716	52.20	ug/l	100
61) 1,2-Dibromoethane	10.74	107	517976	51.25	ug/l	98
64) Tetrachloroethene	10.23	164	622054	53.51	ug/l	98
65) Chlorobenzene	11.30	112	1641234	54.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	580343	53.17	ug/l	99
67) Ethyl Benzene	11.41	91	2730837	54.33	ug/l	100
68) m/p-Xylenes	11.55	106	1997361	109.15	ug/l	100
69) o-Xylene	11.92	106	974165	54.43	ug/l	99
70) Styrene	11.94	104	1653221	53.35	ug/l	98
71) Bromoform	12.11	173	478167	50.63	ug/l #	98
73) Isopropylbenzene	12.27	105	2738795	53.70	ug/l	98
74) N-amyl acetate	12.12	43	1070494	47.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	604010	51.20	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	622420	50.13	ug/l	100
77) Bromobenzene	12.53	156	778845	55.08	ug/l	84
78) n-propylbenzene	12.63	91	3451617	53.45	ug/l	97
79) 2-Chlorotoluene	12.69	91	1888640	51.71	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2075016	51.18	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	188249	48.74	ug/l	94
82) 4-Chlorotoluene	12.80	91	2084436	50.04	ug/l	96
83) tert-Butylbenzene	13.04	119	2495725	54.03	ug/l	97
84) 1,2,4-Trimethylbenzene	13.08	105	2148721	50.84	ug/l	98
85) sec-Butylbenzene	13.21	105	2886787	53.15	ug/l	98
86) p-Isopropyltoluene	13.33	119	2362202	53.47	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1325711	52.52	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1345109	53.41	ug/l	97
89) n-Butylbenzene	13.64	91	2385140	58.55	ug/l	98
90) Hexachloroethane	13.85	117	616679	51.99	ug/l	78
91) 1,2-Dichlorobenzene	13.66	146	1143440	53.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	84810	46.76	ug/l	77

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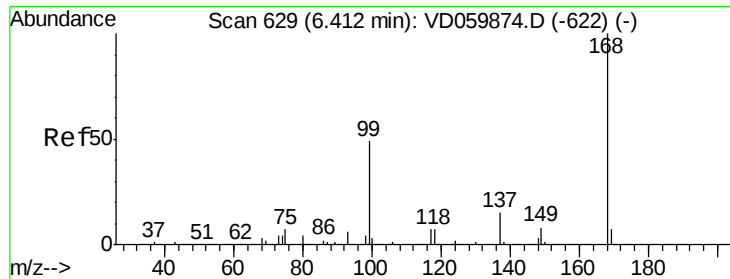
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	924144	50.28	ug/l	99
94) Hexachlorobutadiene	14.88	225	637395	52.91	ug/l	99
95) Naphthalene	14.95	128	1421859	50.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	790378	50.28	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

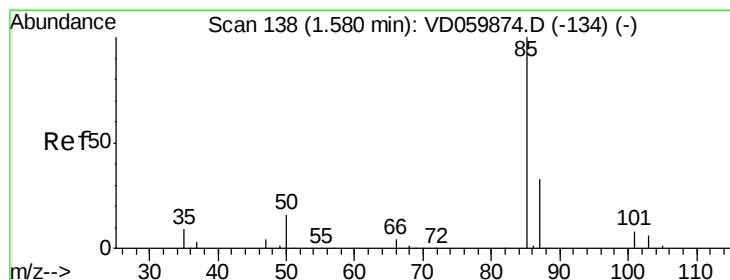
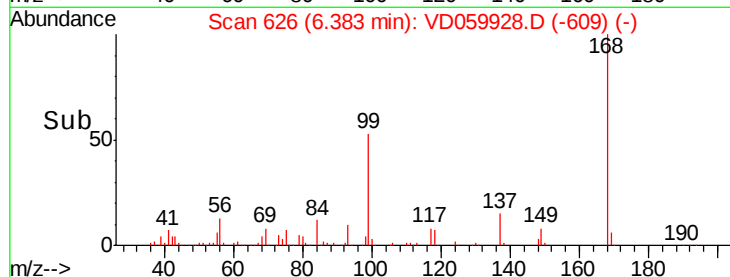
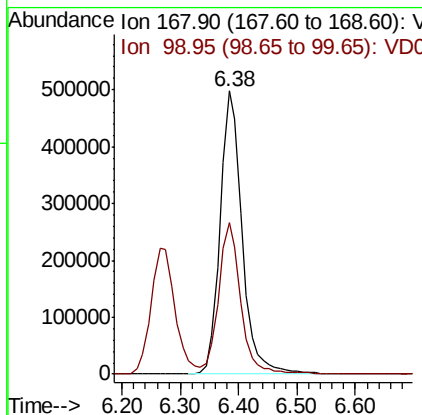
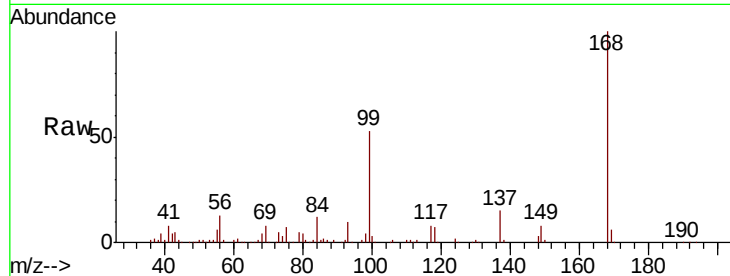
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 626
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

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 MSVOA_D
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 VSTDCCC050

Tot Ion:168 Resp: 1302350
 Ion Ratio Lower Upper
 168 100
 99 53.4 42.2 63.2

Manual Integrations
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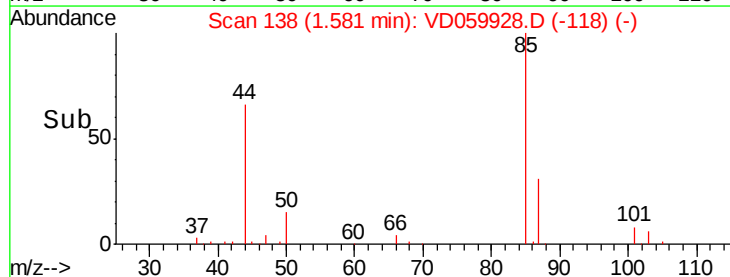
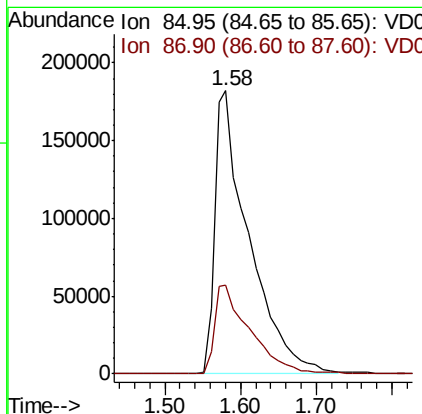
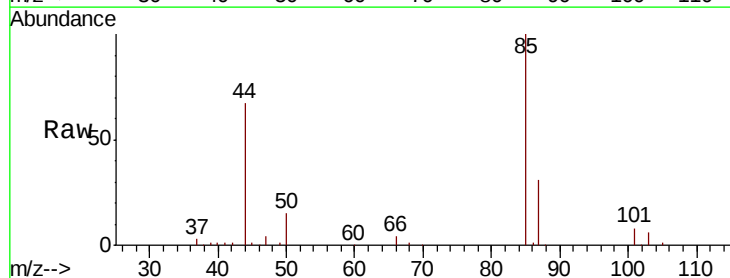
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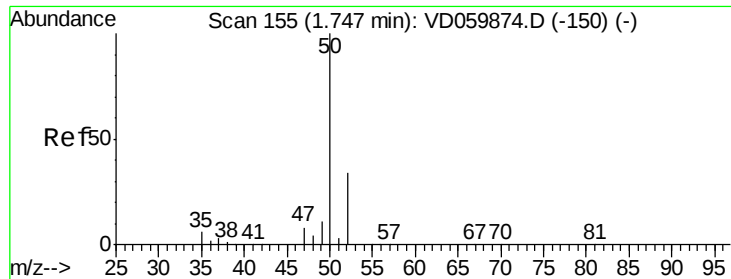


#2

Dichlorodifluoromethane
 Concen: 49.16 ug/l
 RT: 1.58 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion: 85 Resp: 572315
 Ion Ratio Lower Upper
 85 100
 87 31.2 16.8 50.3





#3

Chloromethane

Concen: 49.39 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 520851

Ion Ratio Lower Upper

50 100

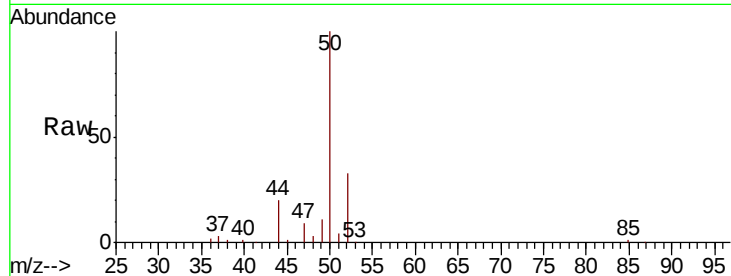
52 32.8 27.0 40.6

Manual Integrations

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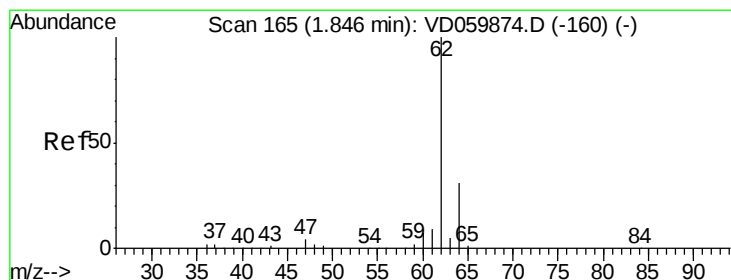
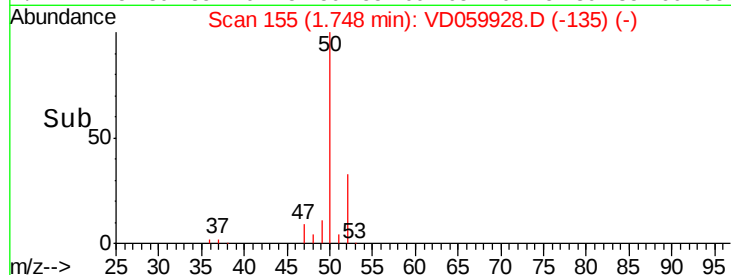
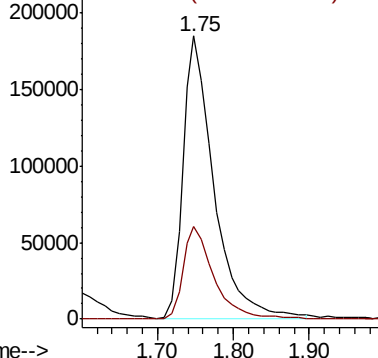
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.26 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059928.D

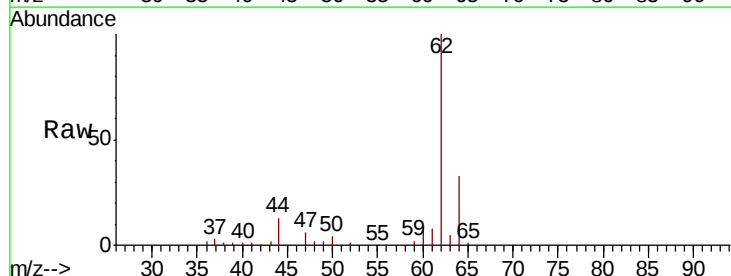
Acq: 31 Aug 2018 11:11

Tgt Ion: 62 Resp: 448673

Ion Ratio Lower Upper

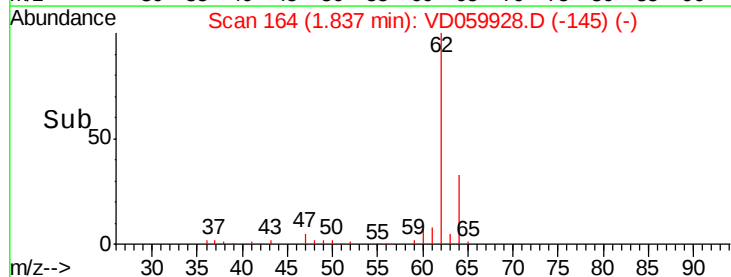
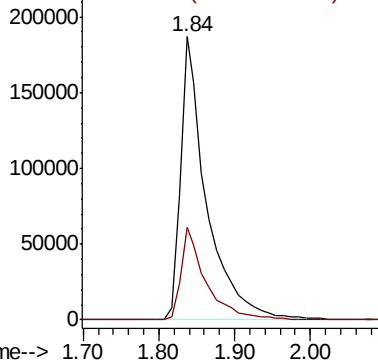
62 100

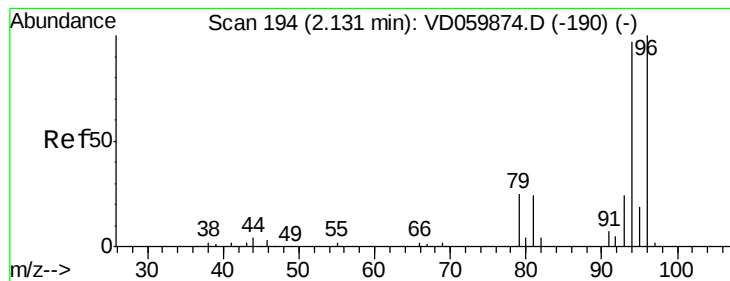
64 32.7 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.08 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tot Ion: 94 Resp: 72925

Ion Ratio Lower Upper

94 100

96 99.2 82.4 123.6

Instrument :

MSVOA_D

ClientSampleId :

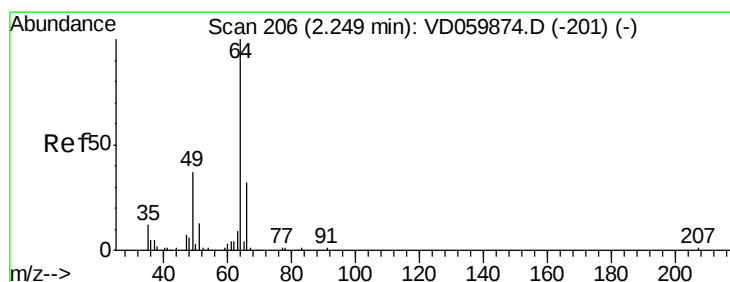
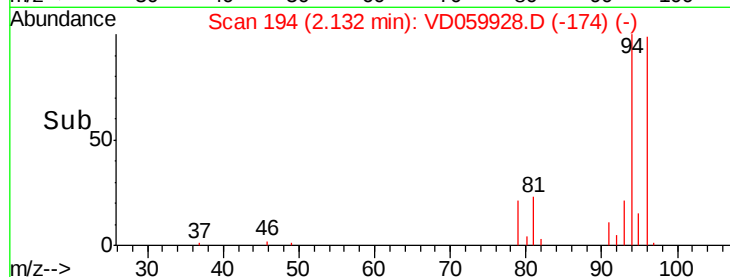
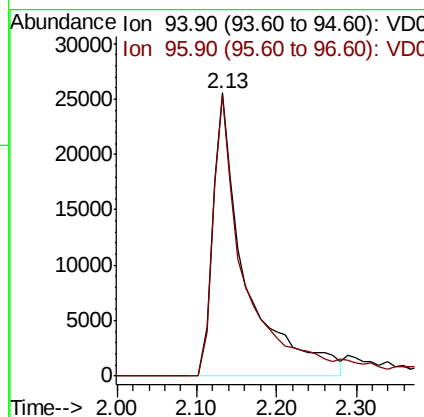
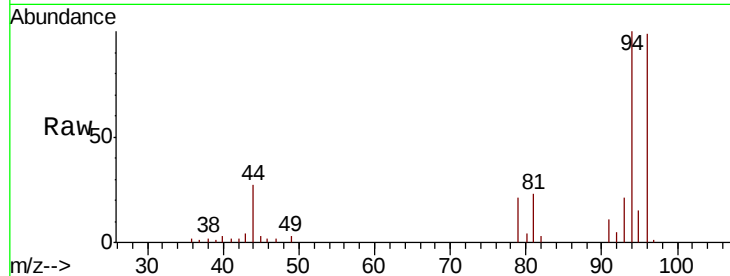
VSTDCCC050

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#6

Chloroethane

Concen: 54.58 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059928.D

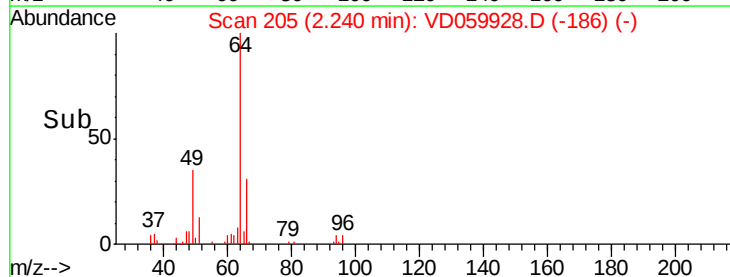
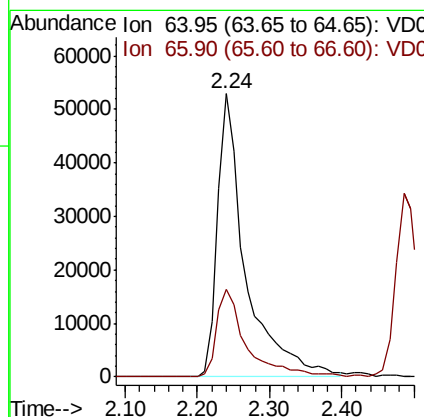
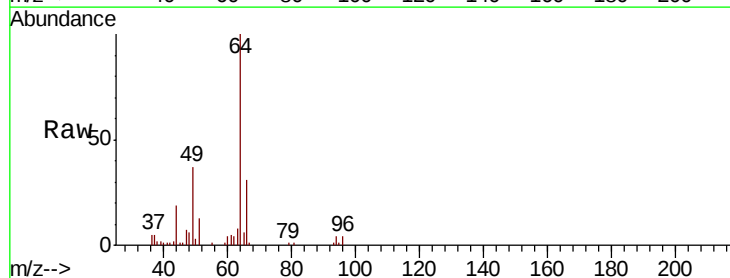
Acq: 31 Aug 2018 11:11

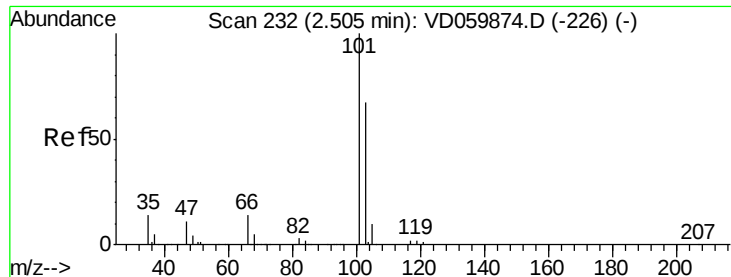
Tgt Ion: 64 Resp: 141666

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

Trichlorofluoromethane

Concen: 57.14 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

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Tot Ion:101 Resp: 546614

Ion Ratio Lower Upper

101 100

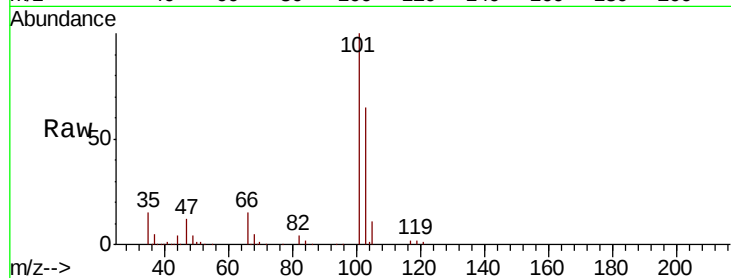
103 65.4 53.7 80.5

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

200000

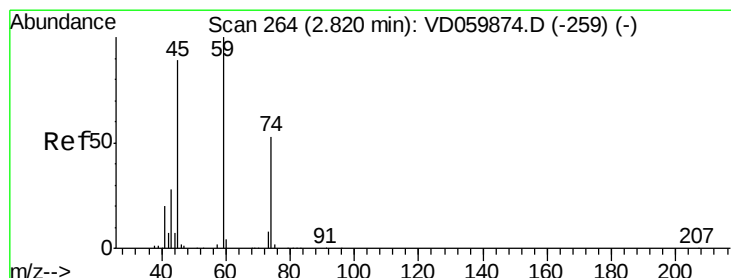
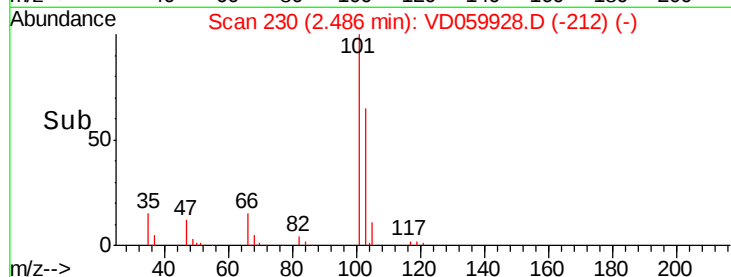
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 54.27 ug/l

RT: 2.81 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD059928.D

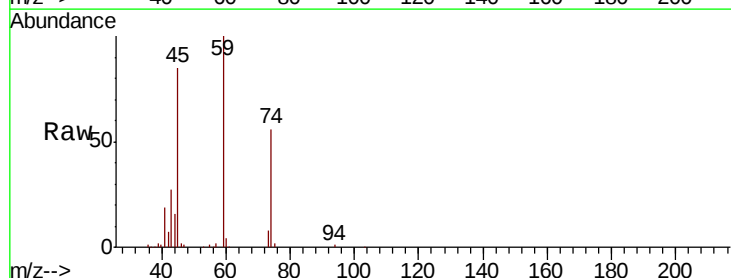
Acq: 31 Aug 2018 11:11

Tgt Ion: 74 Resp: 116481

Ion Ratio Lower Upper

74 100

45 151.9 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

80000

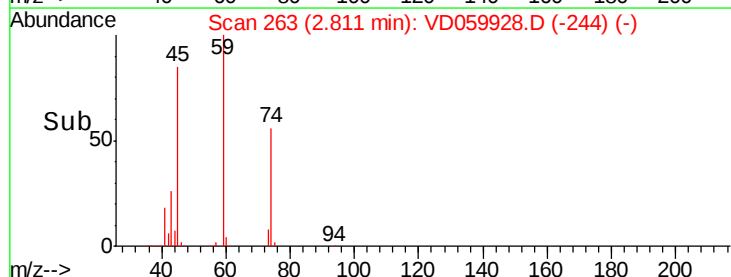
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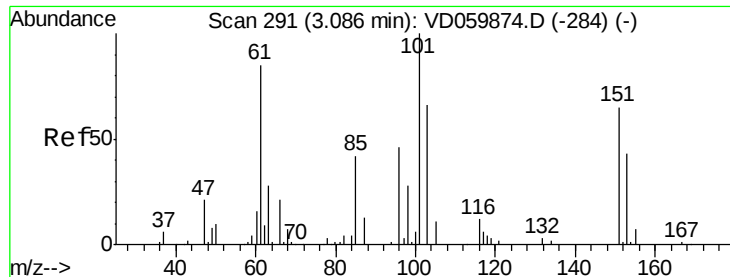
40000

20000

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Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.88 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059928.D

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MSVOA_D

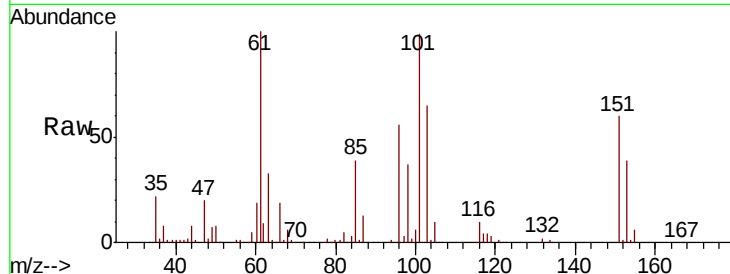
ClientSampleId :

VSTDCCC050

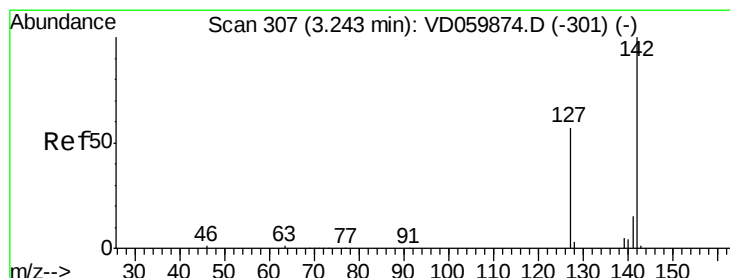
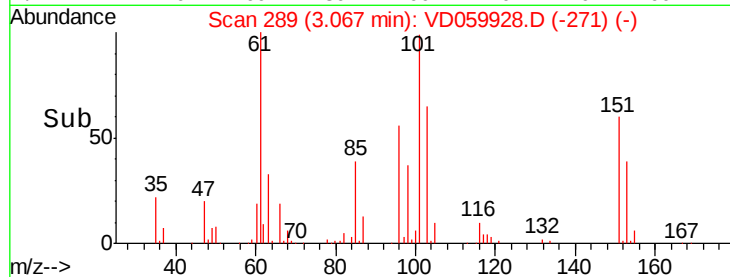
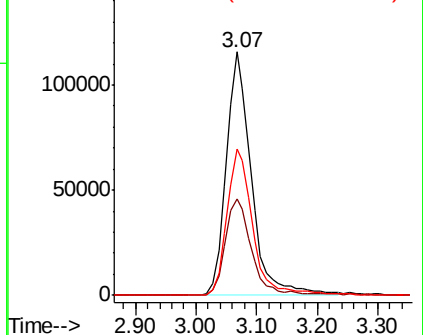
Tot Ion:	101	Resp:	333248
Ion Ratio	Lower	Upper	
101	100		
85	39.8	33.6	50.4
151	60.3	52.0	78.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 53.48 ug/l

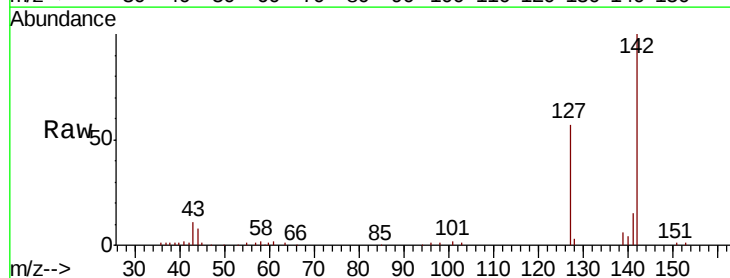
RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

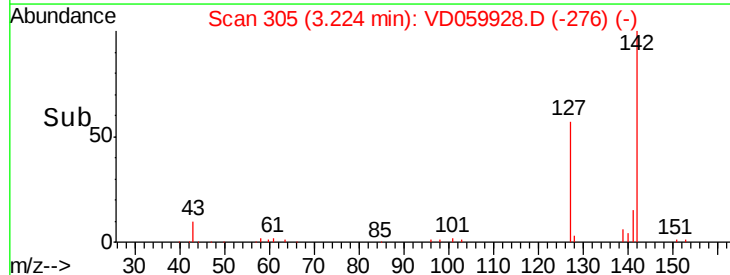
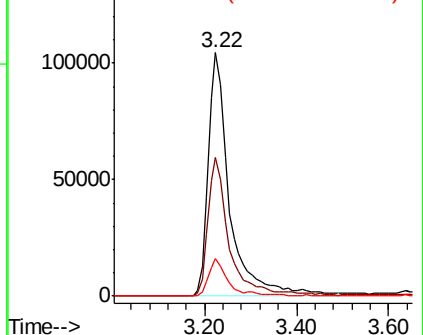
Lab File: VD059928.D

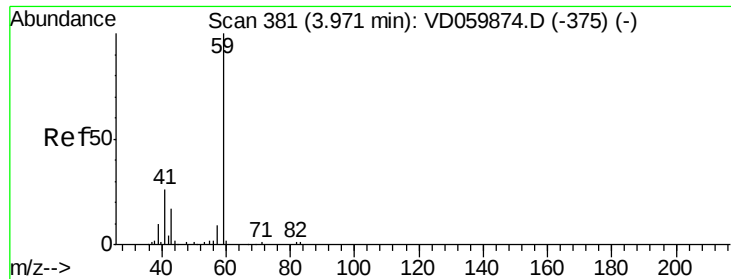
Acq: 31 Aug 2018 11:11

Tgt Ion:	142	Resp:	335429
Ion Ratio	Lower	Upper	
142	100		
127	57.0	45.8	68.6
141	15.3	11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

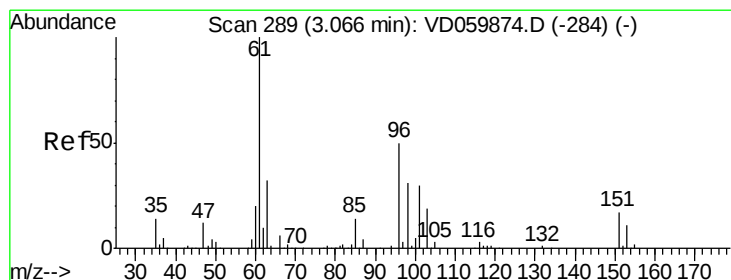
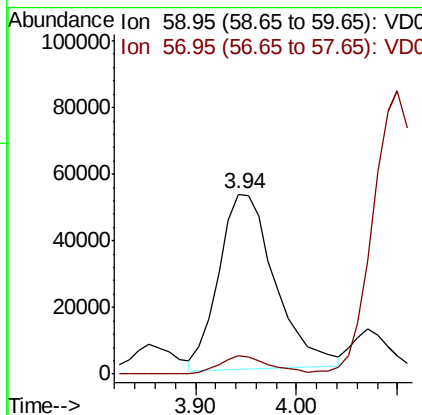
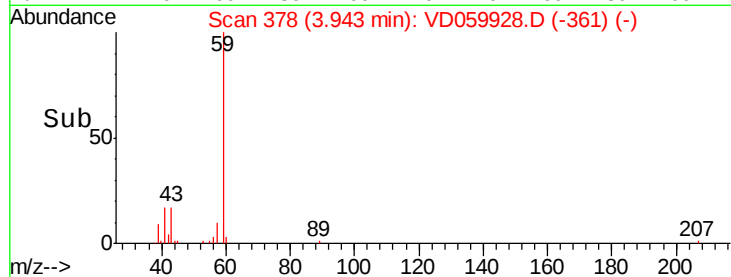
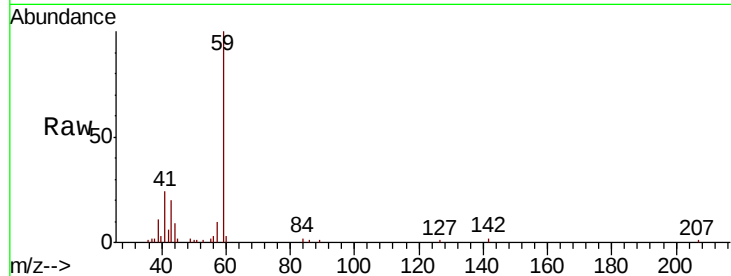
Tert butyl alcohol
Concen: 243.24 ug/l
RT: 3.94 min Scan# 378
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.4	11.0

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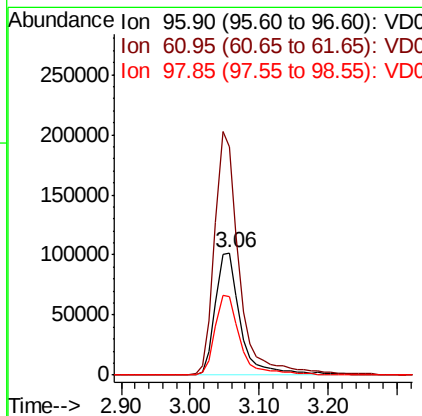
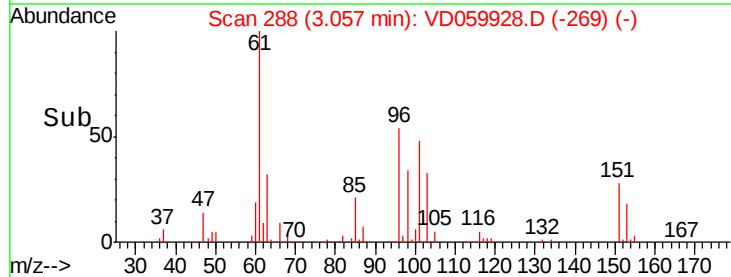
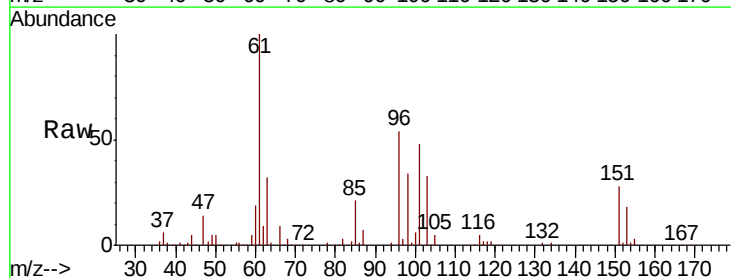
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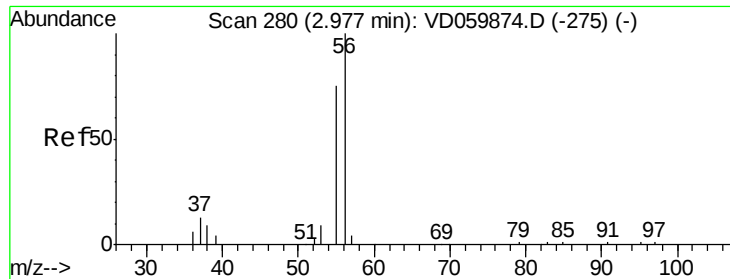


#12

1,1-Dichloroethene
Concen: 56.88 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.7	158.8	238.2
98	63.6	48.7	73.1





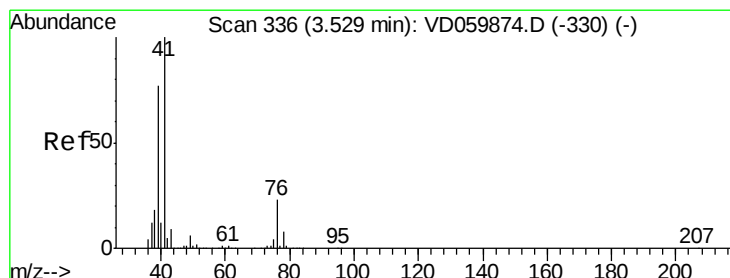
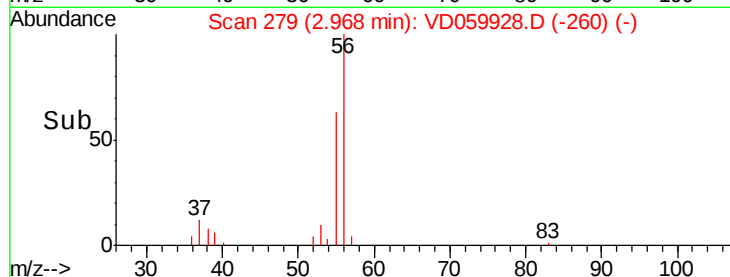
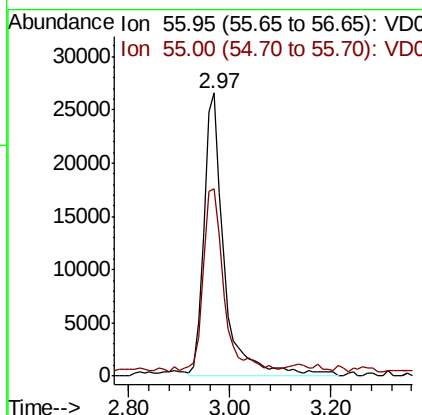
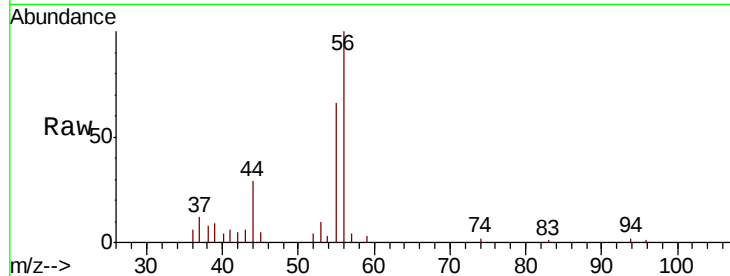
#13
 Acrolein
 Concen: 203.23 ug/l m
 RT: 2.97 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	Resp	73827
Ion Ratio	100	Lower	Upper
56	100		
55	66.0	61.9	92.9

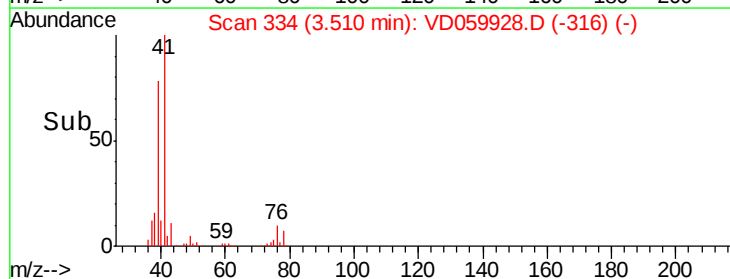
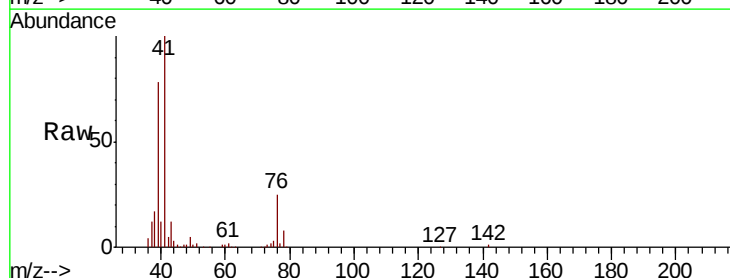
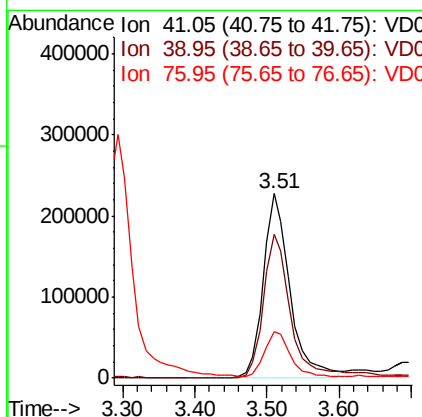
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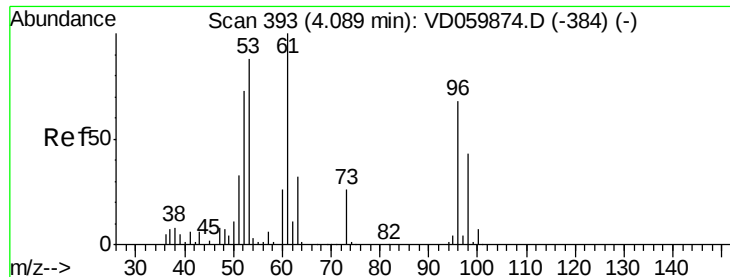
apatel
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#14
 Allyl chloride
 Concen: 56.43 ug/l
 RT: 3.51 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion	41	Resp	582220
Ion Ratio	100	Lower	Upper
41	100		
39	78.1	61.8	92.6
76	25.3	19.4	29.2





#15

Acrylonitrile

Concen: 247.04 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

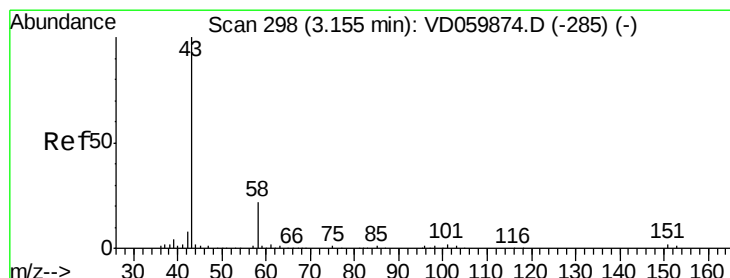
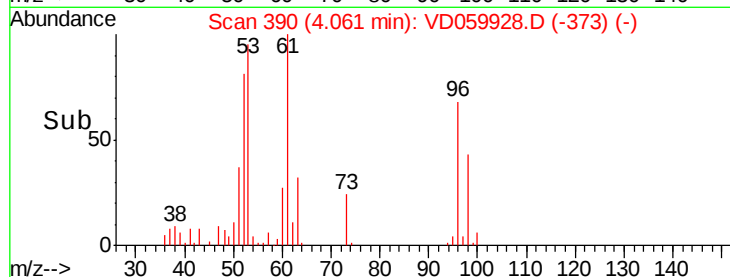
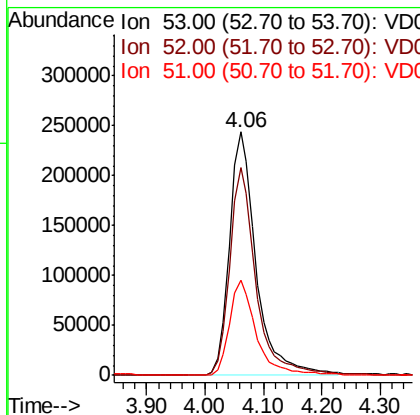
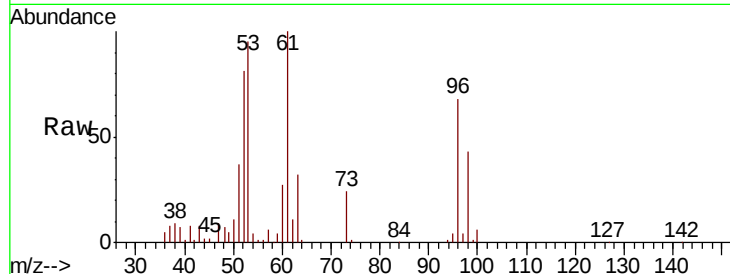
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	774820
Ion Ratio	Lower	Upper	
53	100		
52	85.2	66.9	100.3
51	39.0	30.3	45.5

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#16

Acetone

Concen: 292.08 ug/l

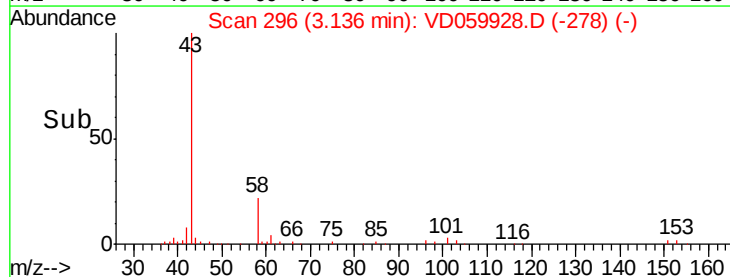
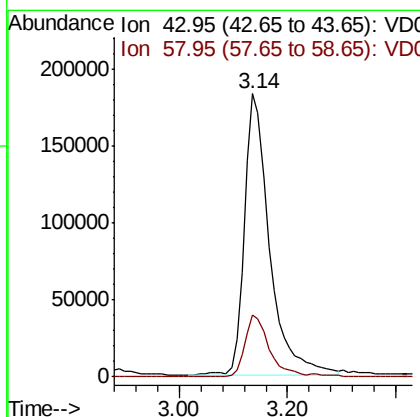
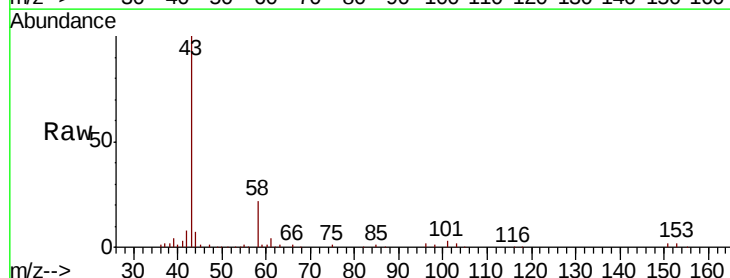
RT: 3.14 min Scan# 296

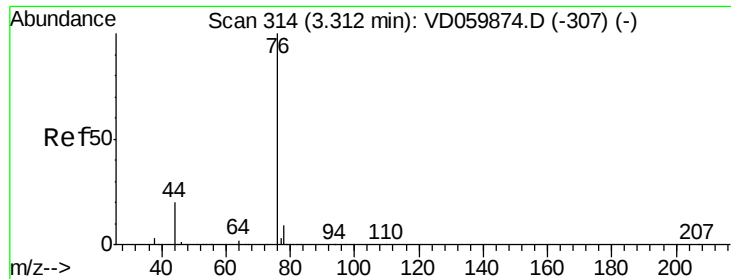
Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tgt Ion:	43	Resp:	584114
Ion Ratio	Lower	Upper	
43	100		
58	22.1	17.6	26.4





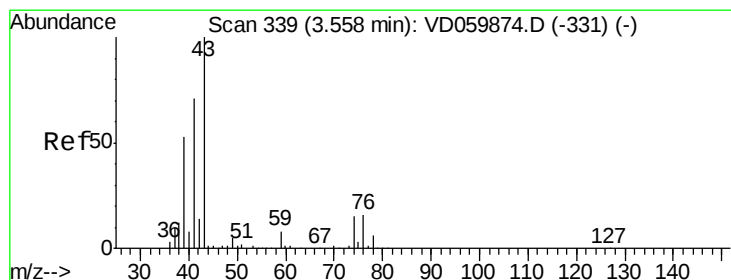
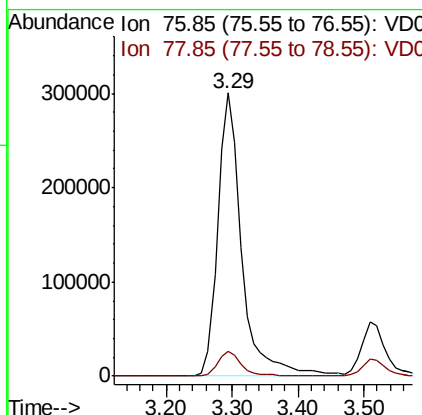
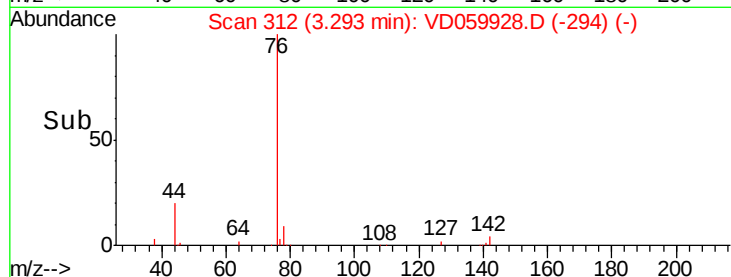
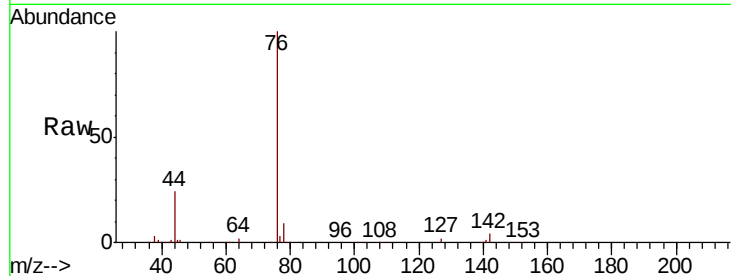
#17
Carbon Disulfide
Concen: 53.66 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

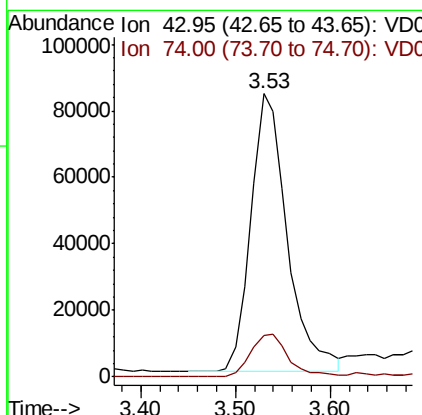
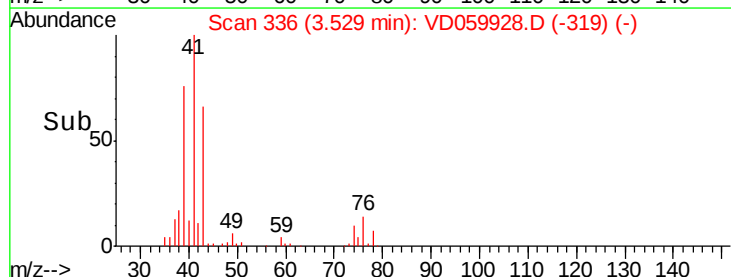
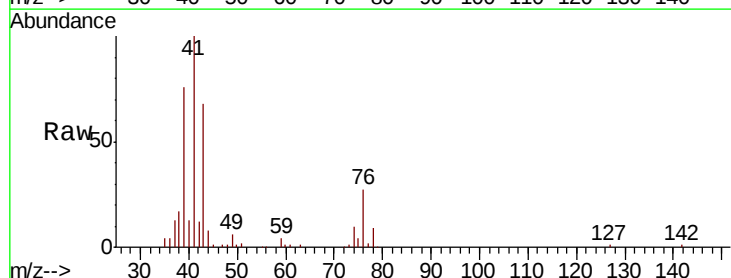
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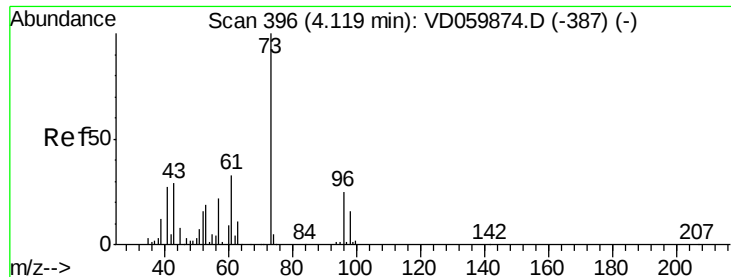
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#18
Methyl Acetate
Concen: 53.62 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	11.2	16.8





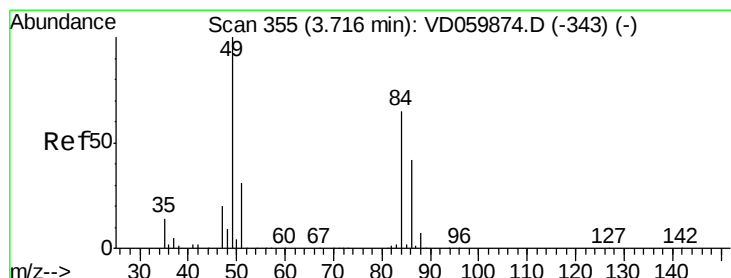
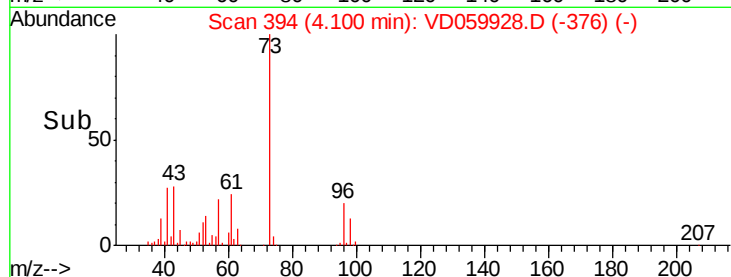
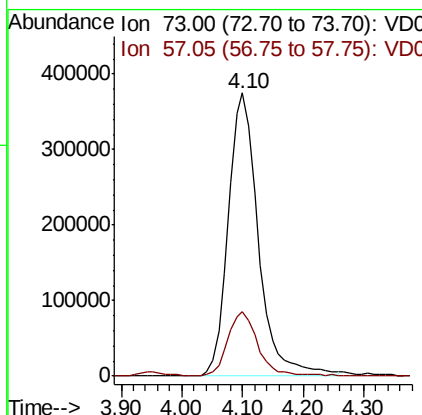
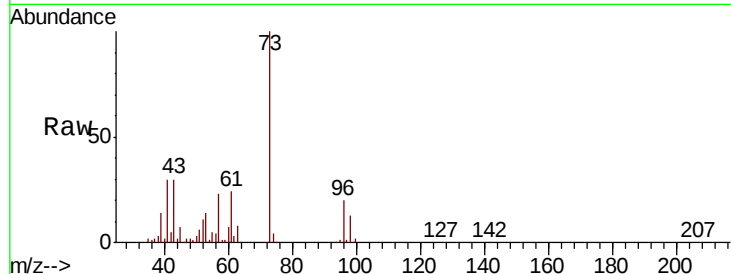
#19
Methyl tert-butyl Ether
Concen: 50.25 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1296452
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9

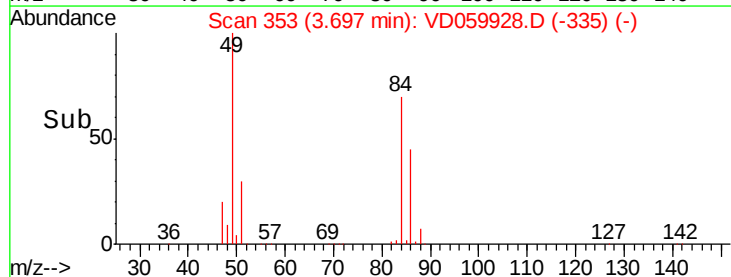
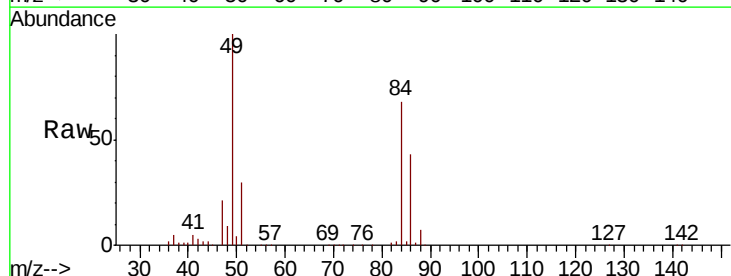
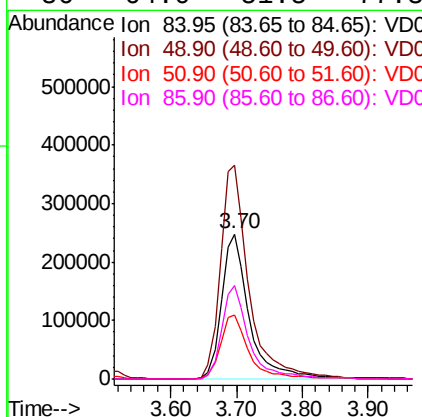
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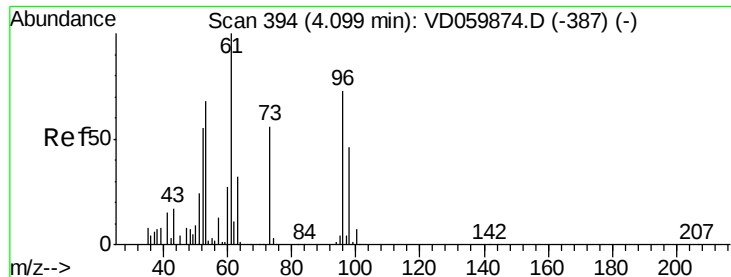
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#20
Methylene Chloride
Concen: 54.67 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 84 Resp: 725095
Ion Ratio Lower Upper
84 100
49 147.2 122.6 183.8
51 44.5 38.4 57.6
86 64.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 52.06 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

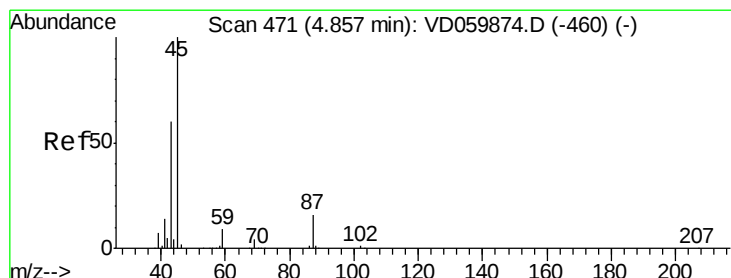
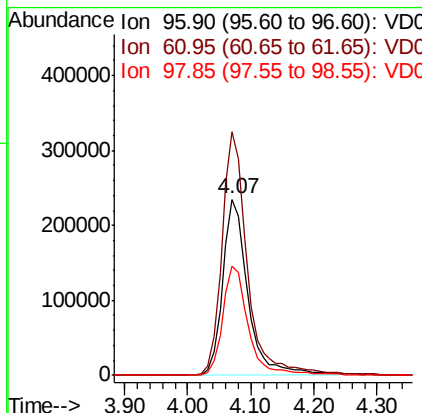
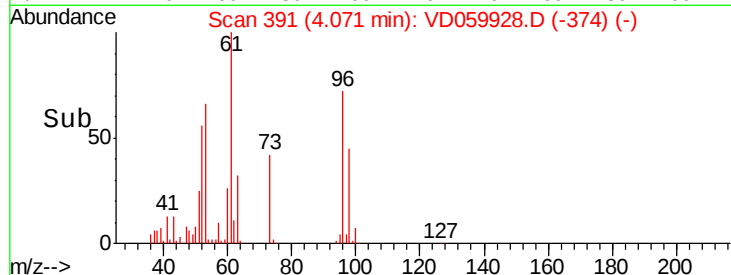
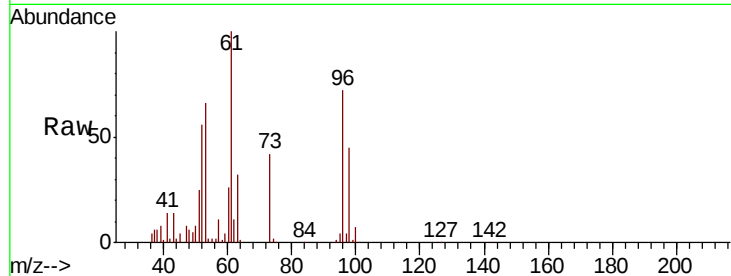
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	654159
Ion	Ratio	Lower	Upper
96	100		
61	138.4	110.2	165.4
98	62.3	50.9	76.3

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#22

Diisopropyl ether

Concen: 52.24 ug/l

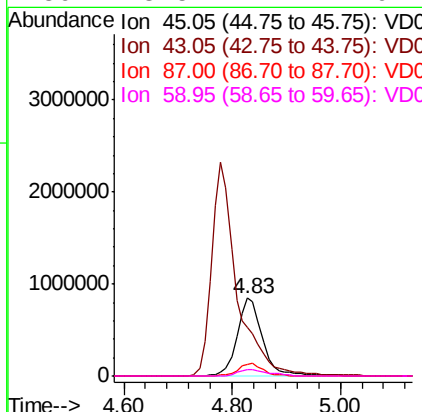
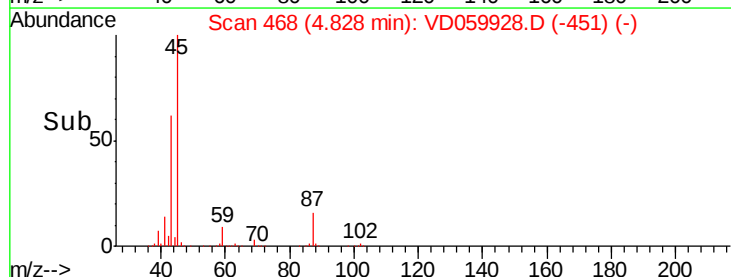
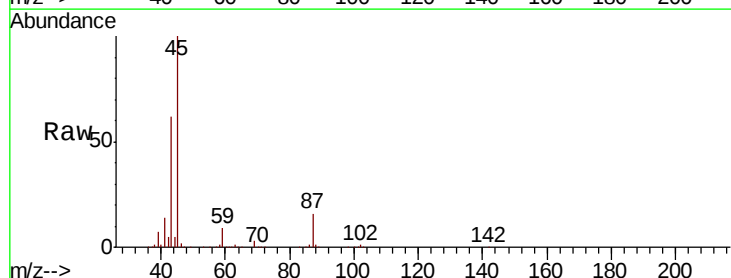
RT: 4.83 min Scan# 468

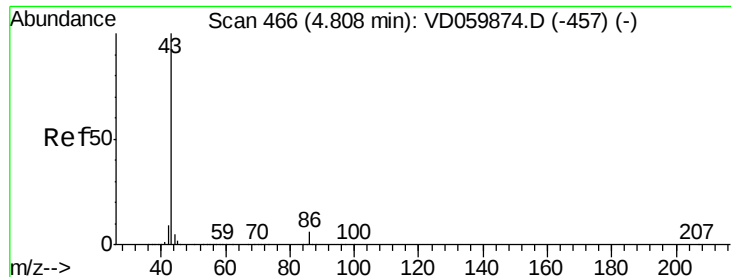
Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tgt Ion:	45	Resp:	2749012
Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.6	72.8
87	15.7	13.3	19.9
59	8.5	7.1	10.7





#23

Vinyl Acetate

Concen: 254.79 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7495257

Ion Ratio Lower Upper

43 100

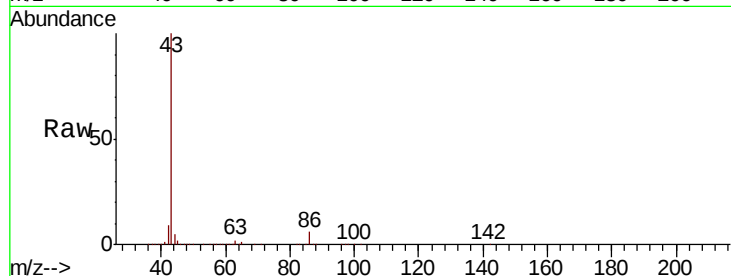
86 6.2 5.0 7.6

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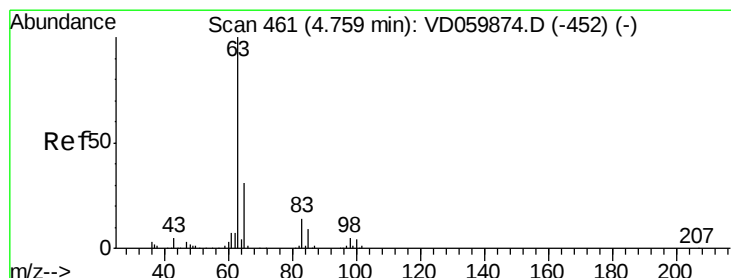
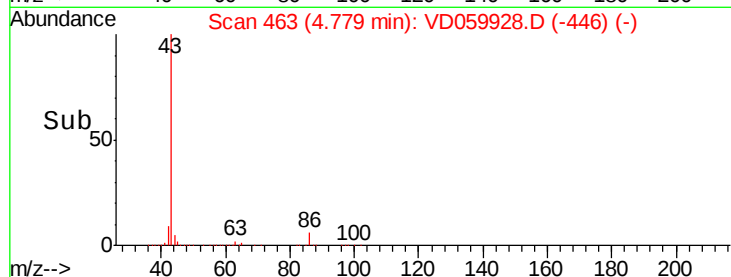
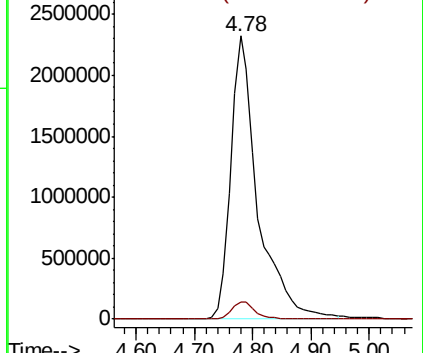
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.55 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

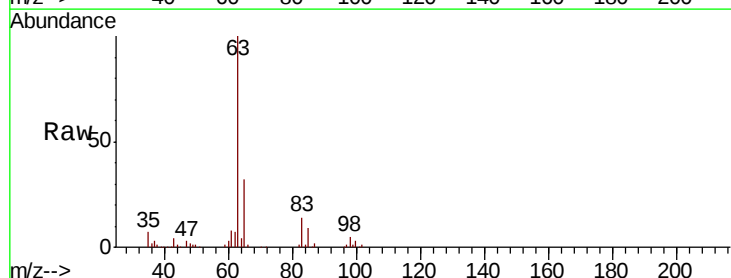
Tgt Ion: 63 Resp: 1217435

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

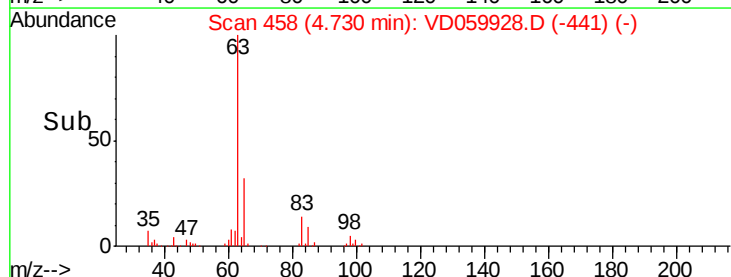
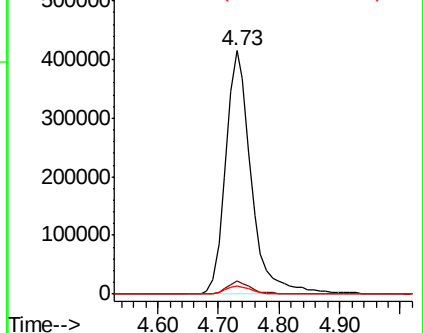
100 3.3 1.8 5.3

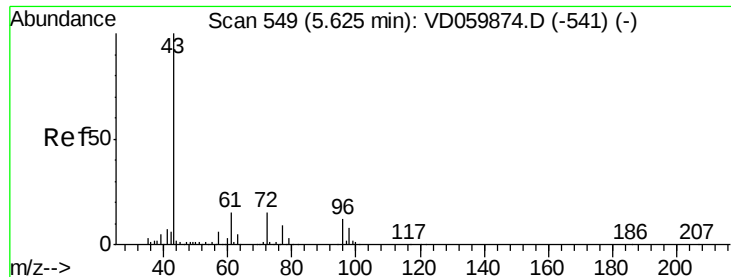


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 264.49 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1566541

Ion Ratio Lower Upper

43 100

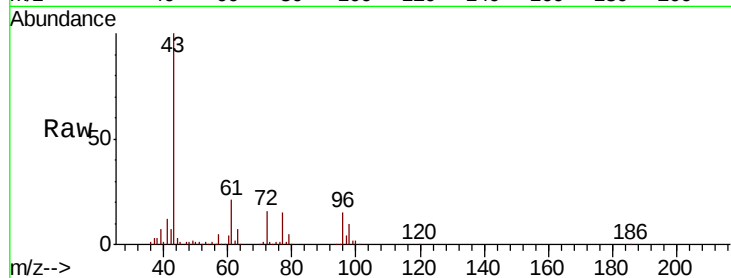
72 16.4 12.3 18.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

600000

400000

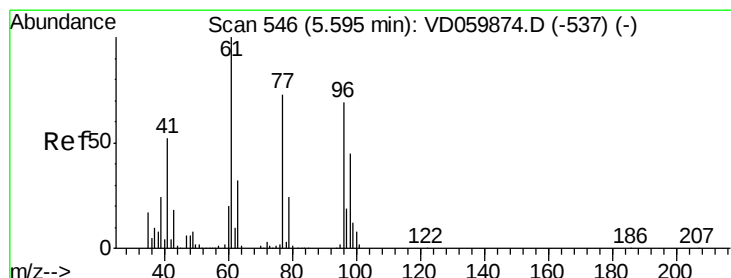
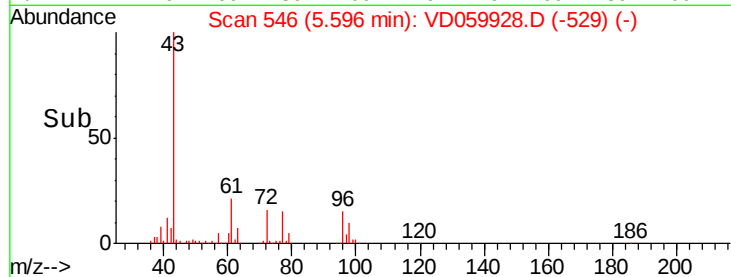
200000

0

5.50

5.60

Time-->



#26

2,2-Dichloropropane

Concen: 52.88 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.04 min

Lab File: VD059928.D

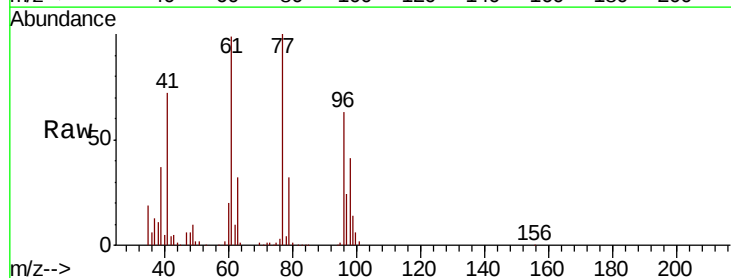
Acq: 31 Aug 2018 11:11

Tgt Ion: 77 Resp: 1004937

Ion Ratio Lower Upper

77 100

97 23.7 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

300000

200000

100000

0

5.40

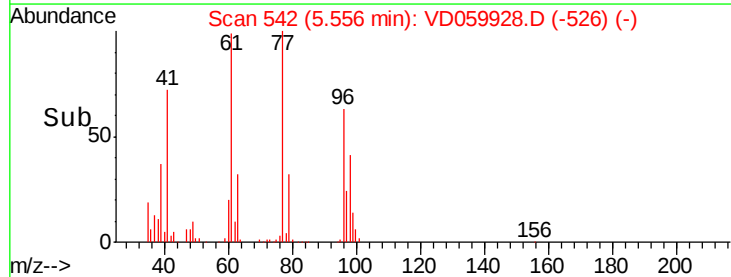
5.50

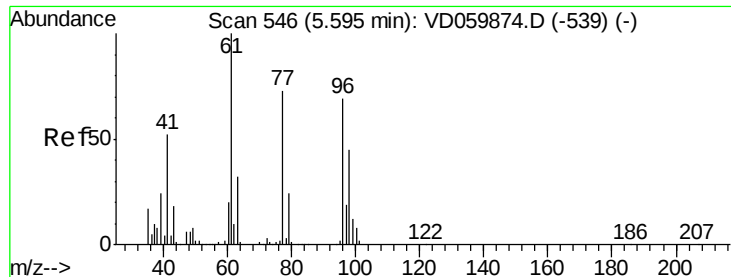
5.60

5.70

5.80

Time-->





#27

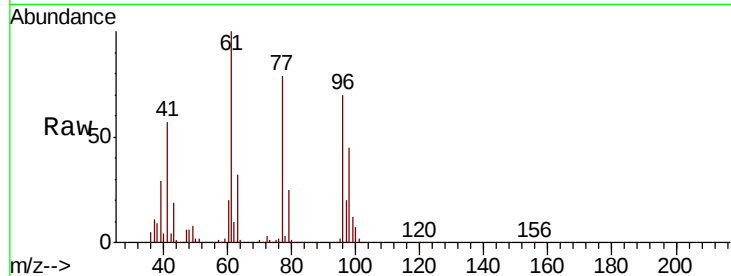
cis-1,2-Dichloroethene
Concen: 53.78 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	290.2	
98	64.1	0.0	130.4	

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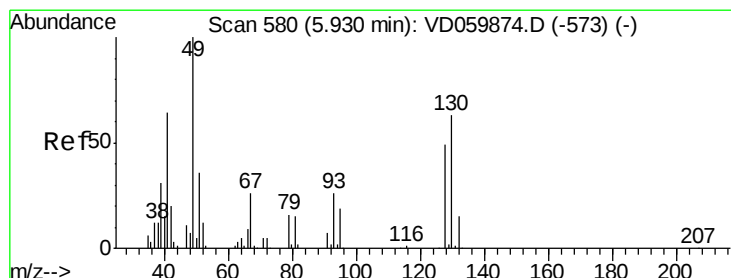
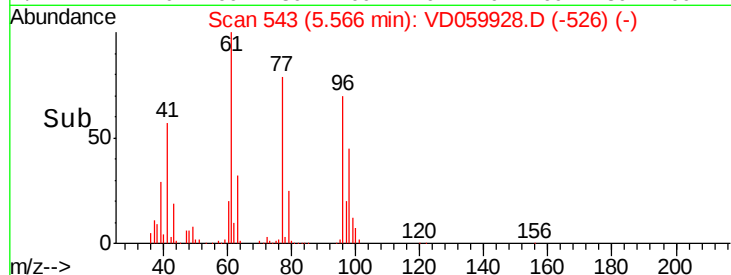
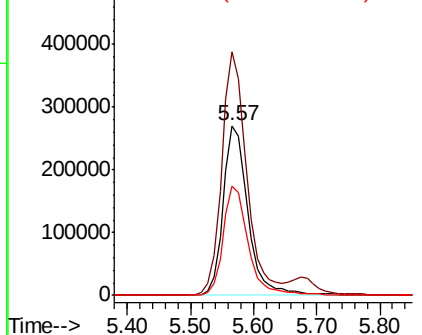


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

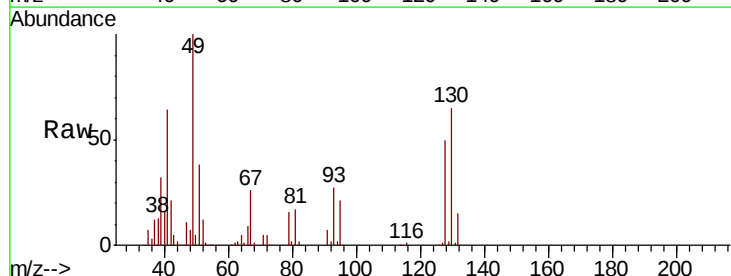
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 52.27 ug/l
RT: 5.90 min Scan# 577
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.2	
130	64.7	50.6	75.8	

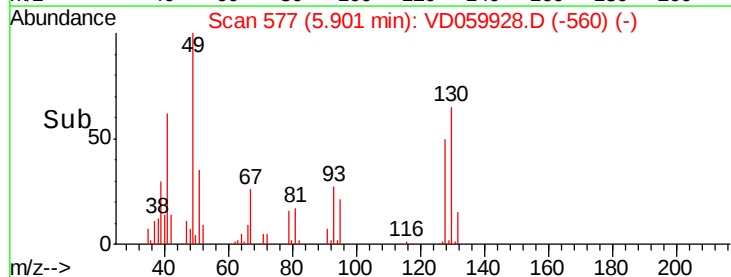
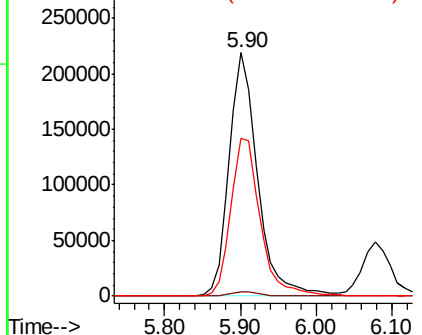


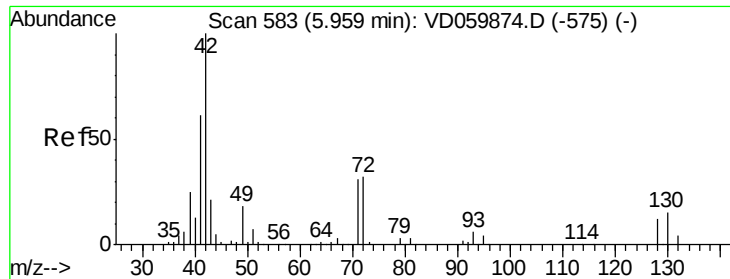
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





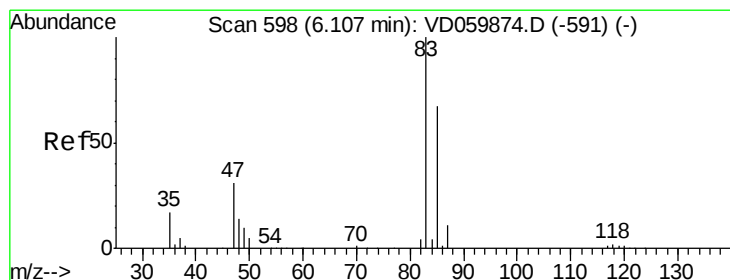
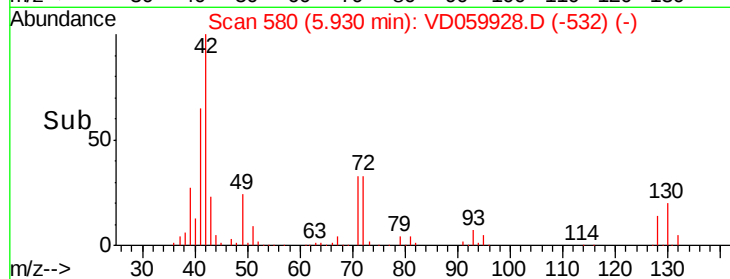
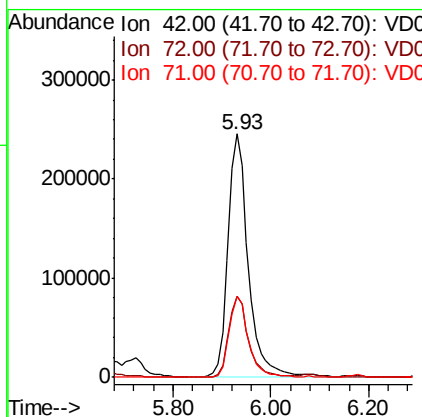
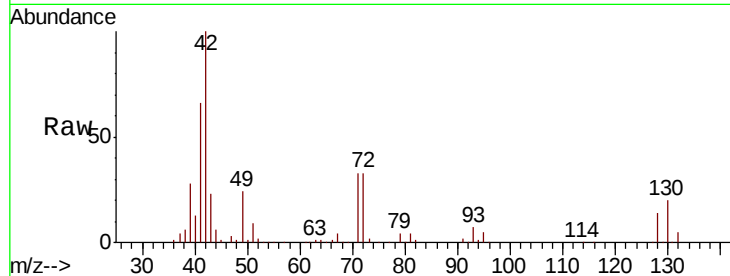
#29
Tetrahydrofuran
Concen: 251.14 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.5	25.7	38.5
71	31.9	25.3	37.9

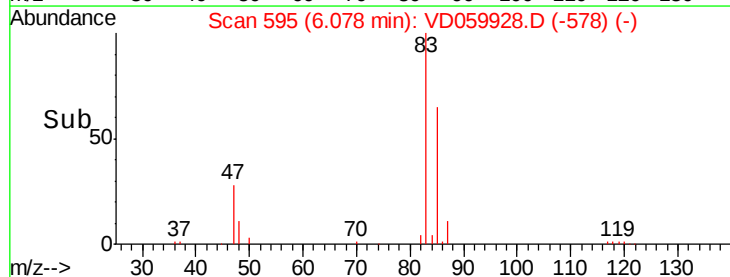
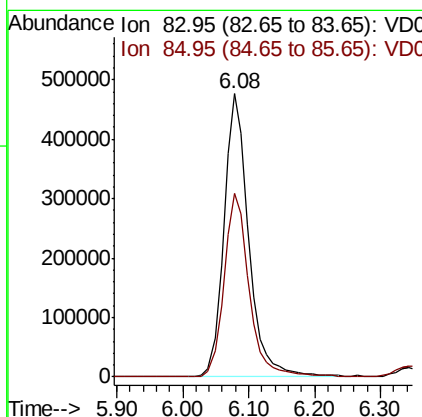
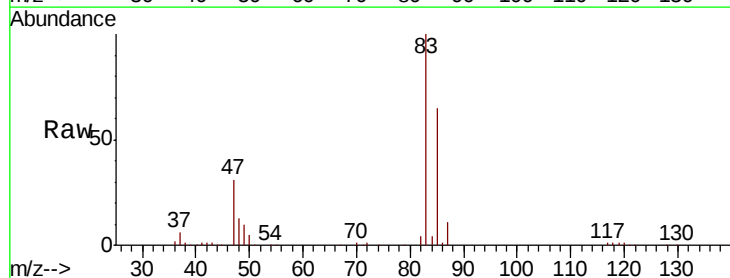
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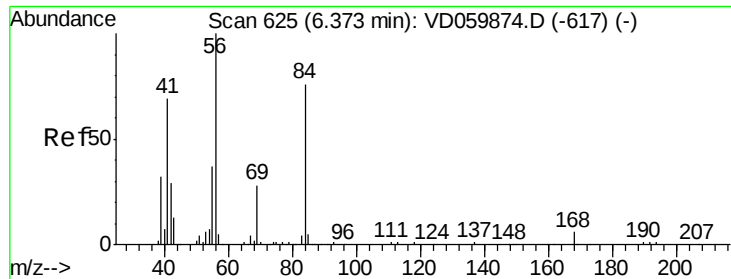
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#30
Chloroform
Concen: 54.13 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.5	80.3





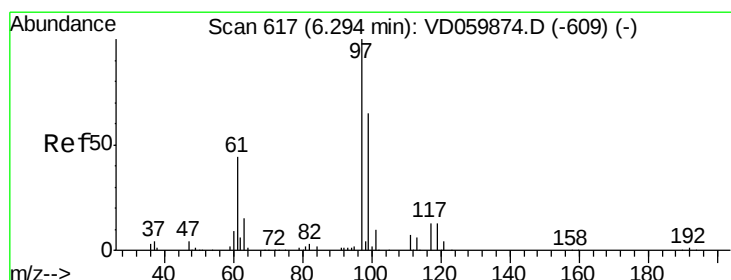
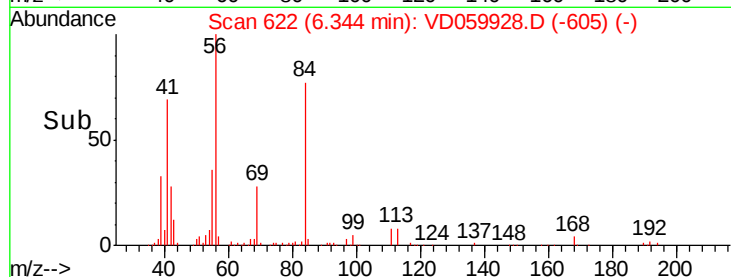
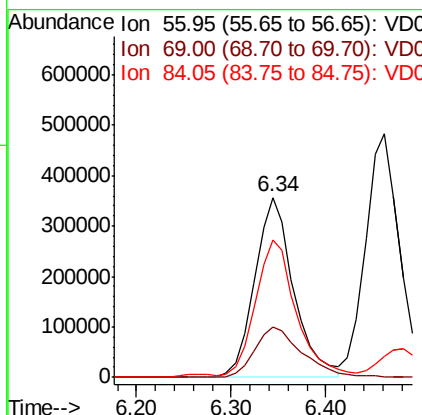
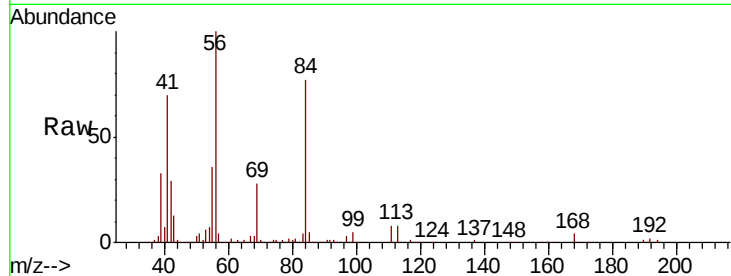
#31
Cvclohexane
Concen: 48.80 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1019943
Ion Ratio Lower Upper
56 100
69 27.7 22.4 33.6
84 76.6 62.1 93.1

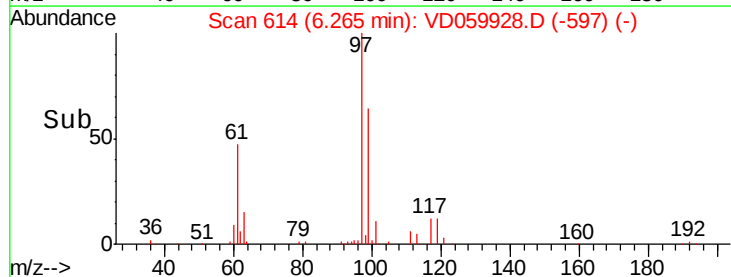
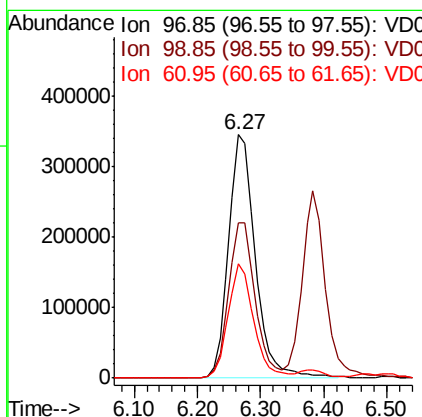
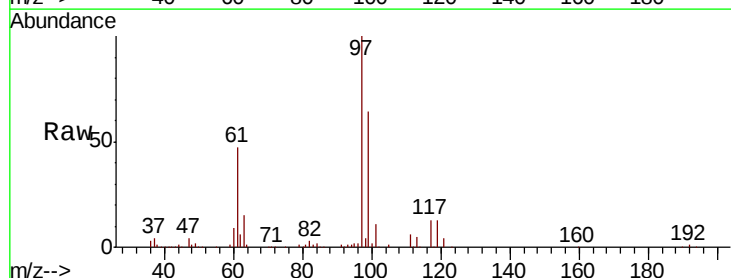
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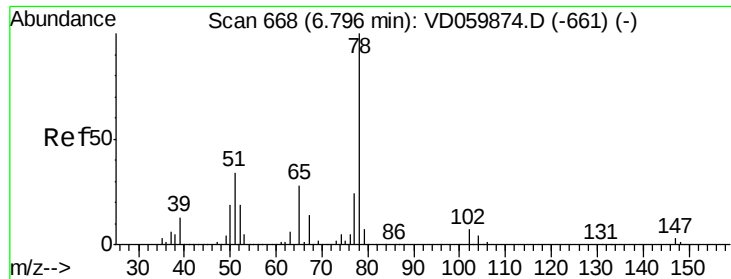
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.73 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 97 Resp: 1014334
Ion Ratio Lower Upper
97 100
99 63.7 51.7 77.5
61 46.8 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 51.73 ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 541840

Ion Ratio Lower Upper

65 100

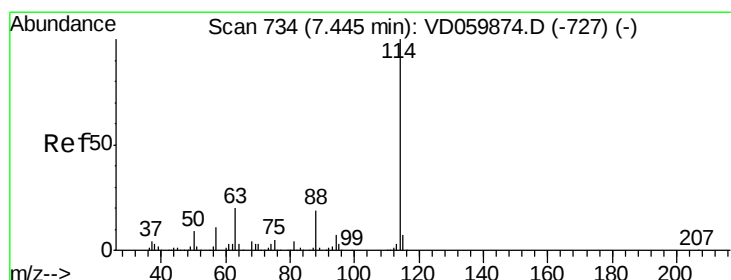
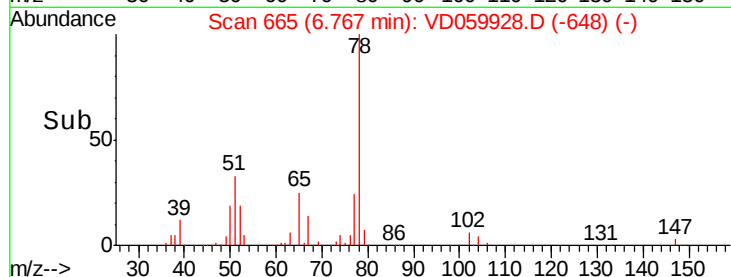
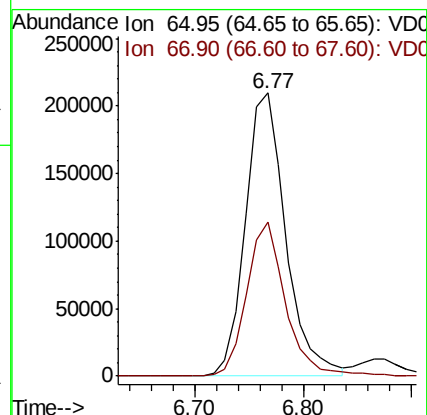
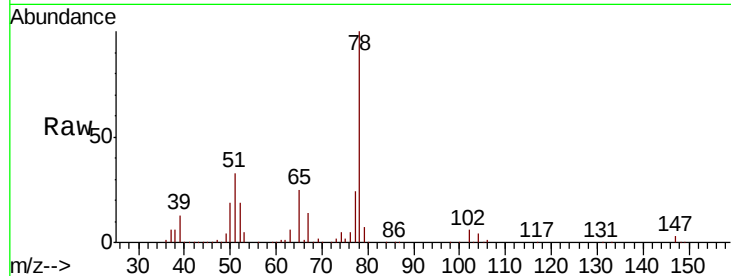
67 54.6 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

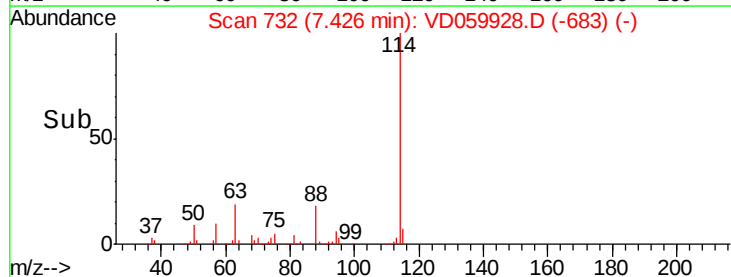
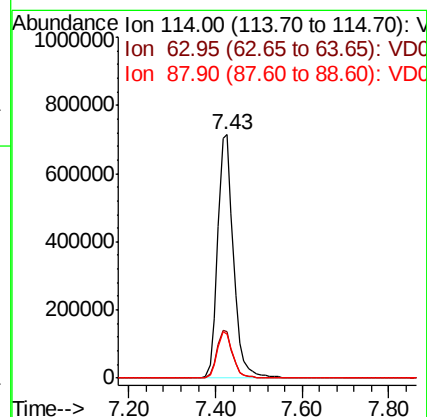
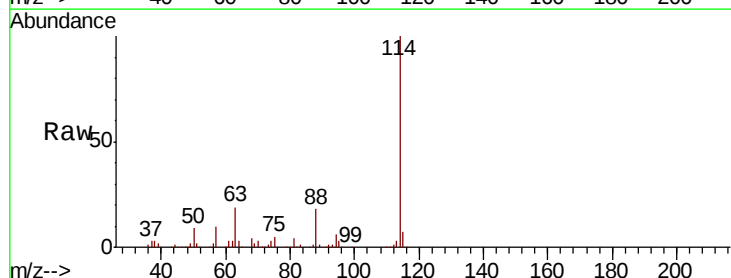
Tgt Ion: 114 Resp: 1809053

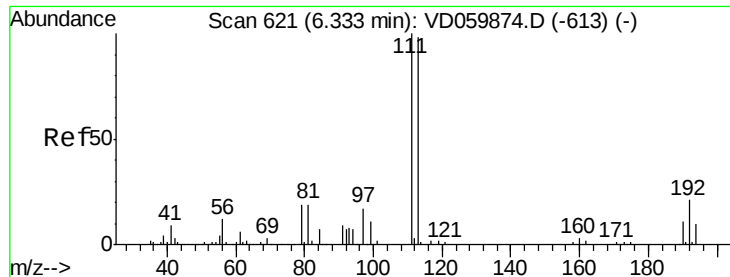
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

88 17.9 0.0 37.6





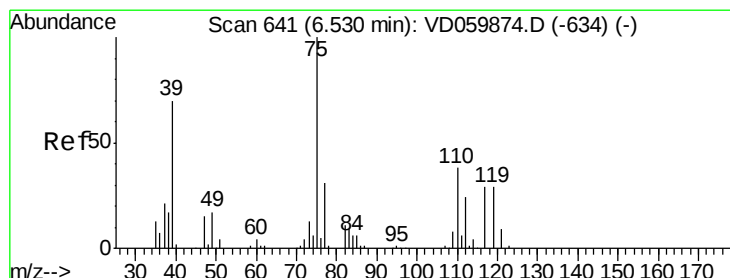
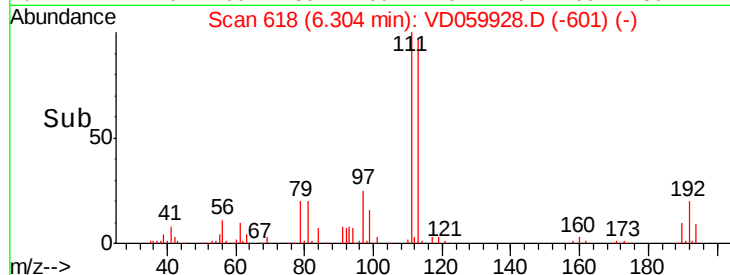
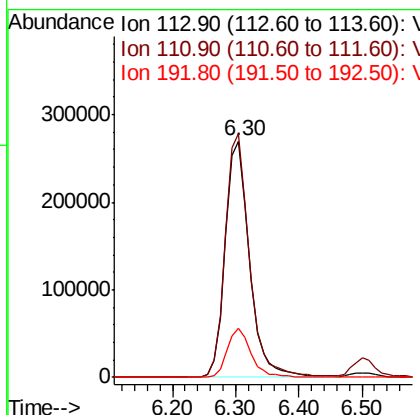
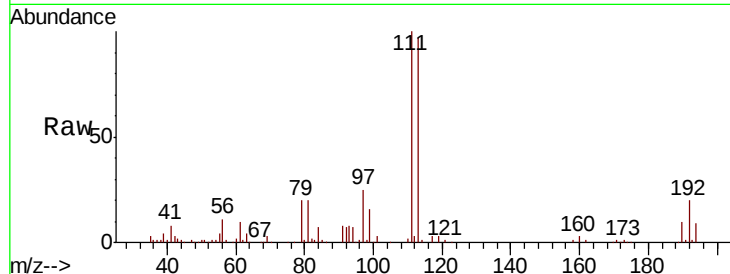
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	723004		
111	103.0		81.4	122.2
192	20.9		17.0	25.6

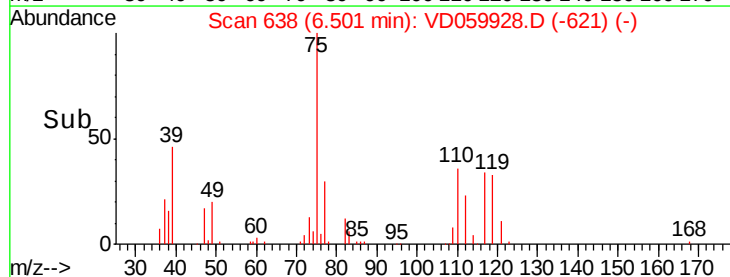
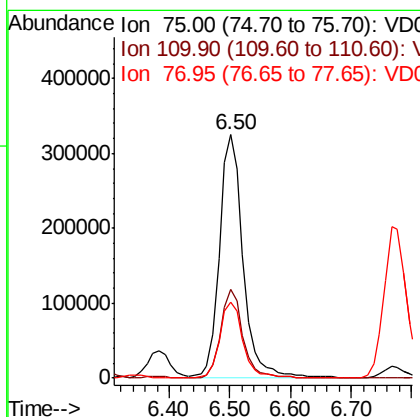
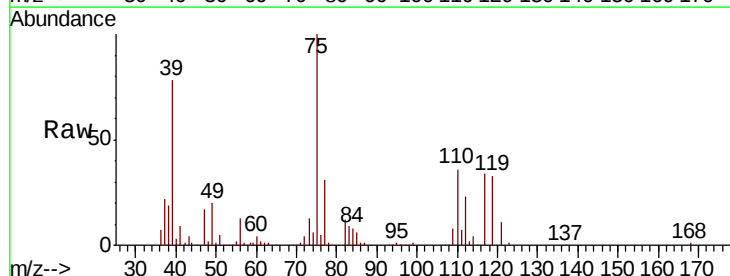
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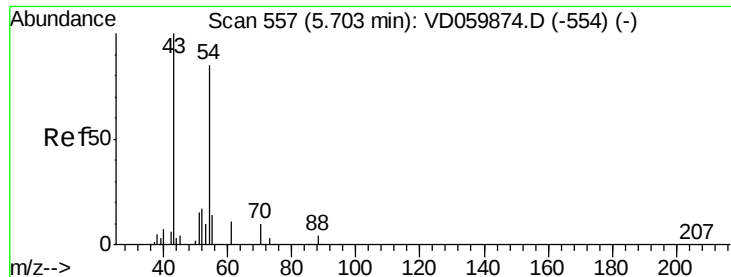
apatel
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#36
 1,1-Dichloropropene
 Concen: 52.73 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	864656		
110	36.4		18.6	56.0
77	31.3		25.1	37.7





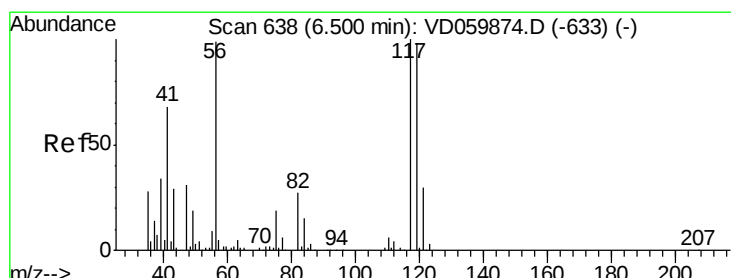
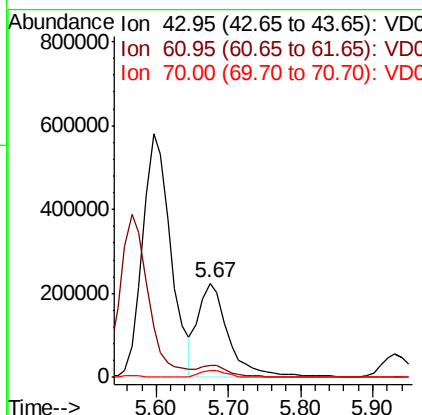
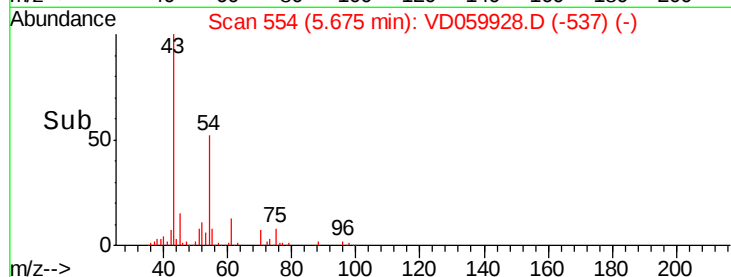
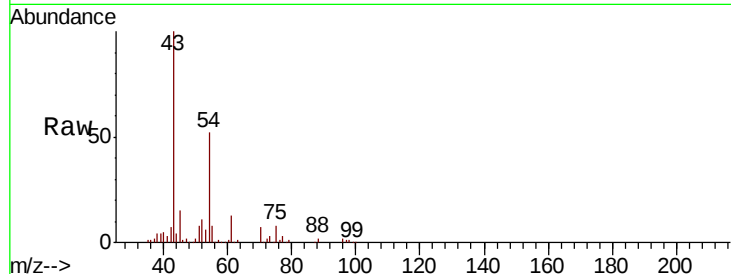
#37
Ethyl Acetate
Concen: 49.73 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	634585		
61	13.3		11.0	16.6
70	7.1		5.7	8.5

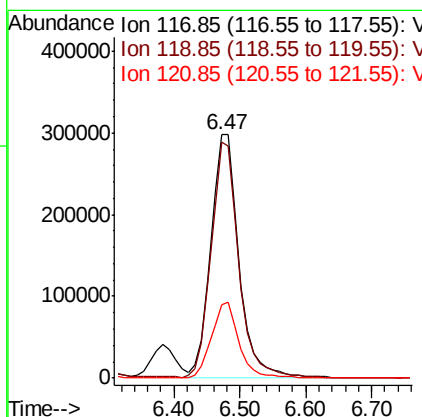
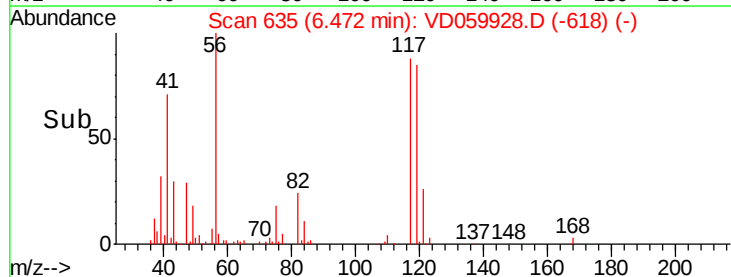
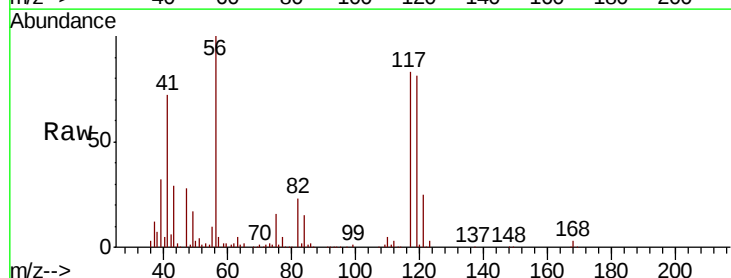
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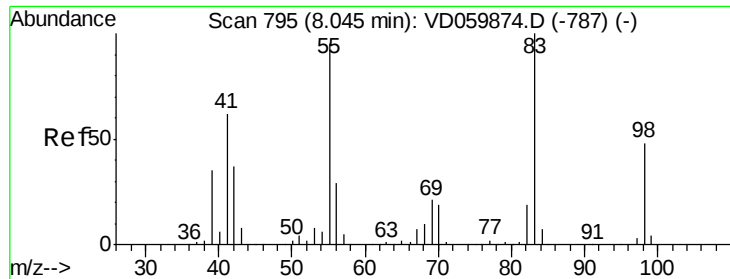
apatel
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#38
Carbon Tetrachloride
Concen: 52.20 ug/l
RT: 6.47 min Scan# 635
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	863922		
119	97.2		77.2	115.8
121	30.1		24.0	36.0





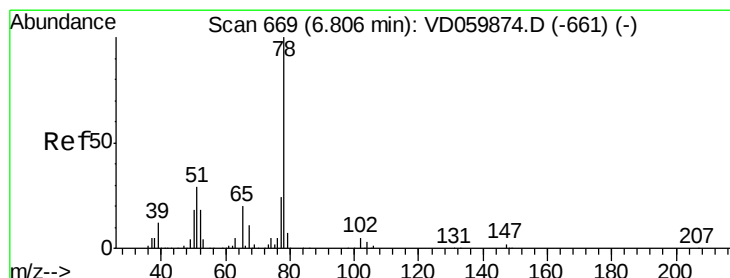
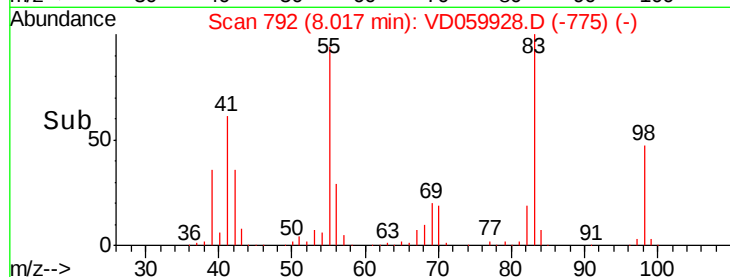
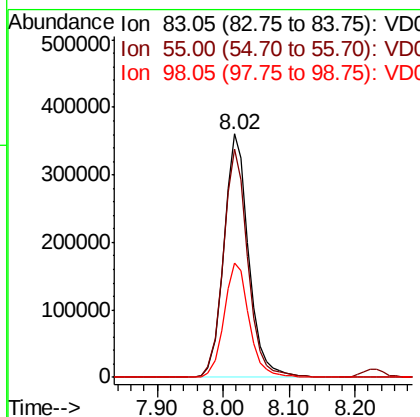
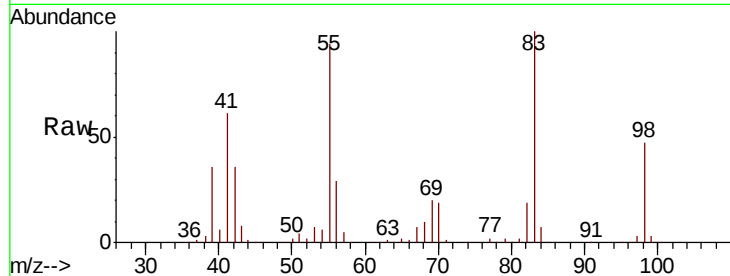
#39
Methvlcvclohexane
Concen: 53.51 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.6	75.8	113.6
98	47.2	38.3	57.5

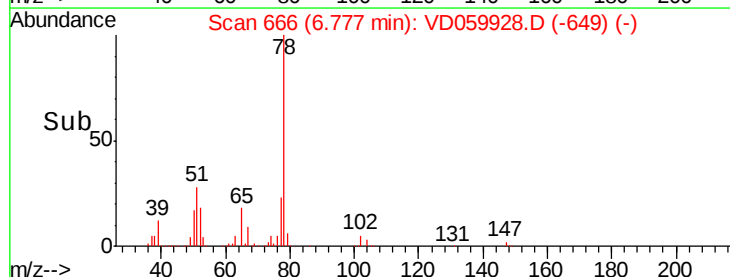
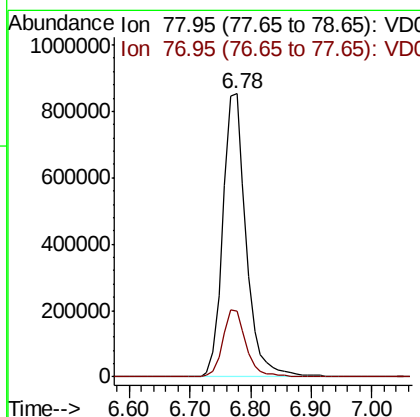
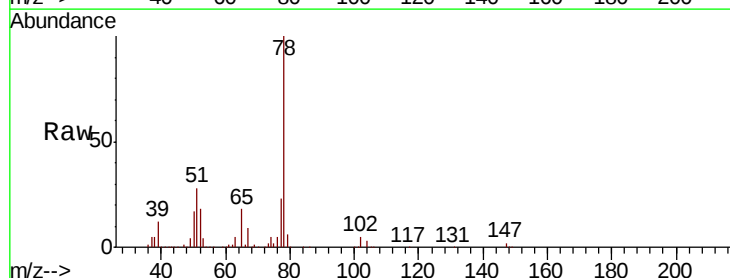
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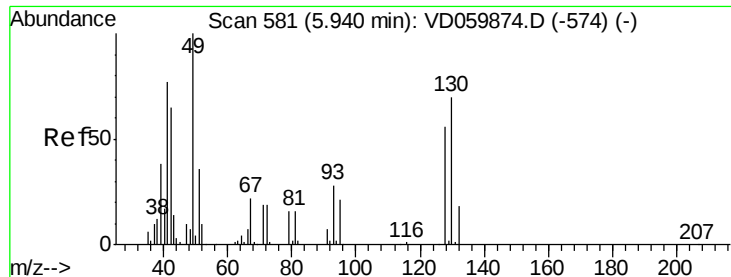
apatel
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#40
Benzene
Concen: 53.50 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





#41

Methacrylonitrile

Concen: 53.00 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 340705

Ion Ratio Lower Upper

41 100

39 46.9 39.4 59.2

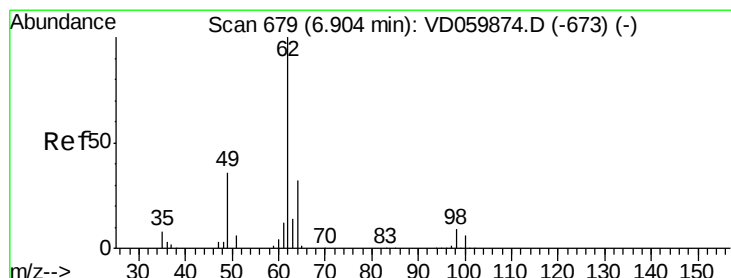
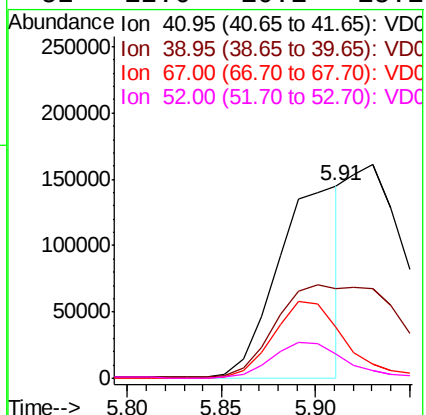
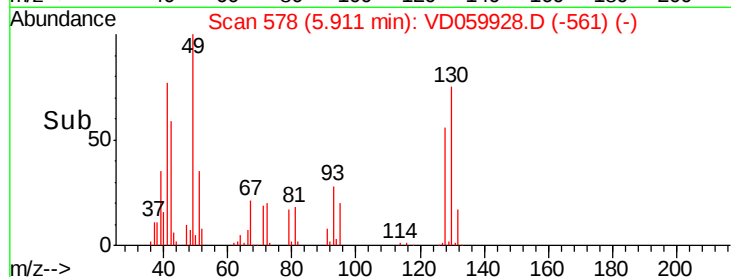
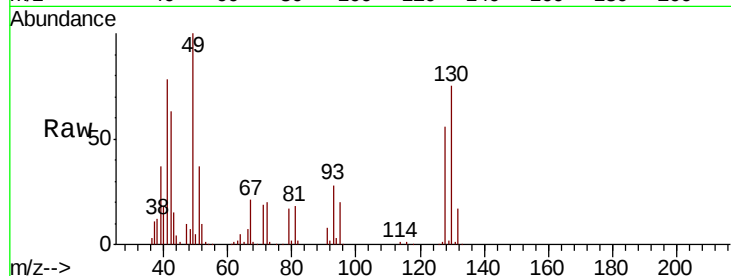
67 26.5 22.2 33.2

52 12.6 10.1 15.1

Manual Integrations
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9/4/2018 10:48:48 AM



#42

1,2-Dichloroethane

Concen: 50.90 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059928.D

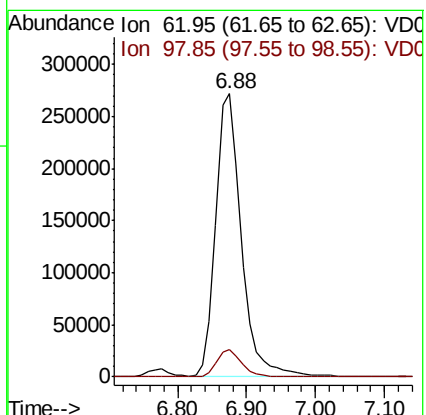
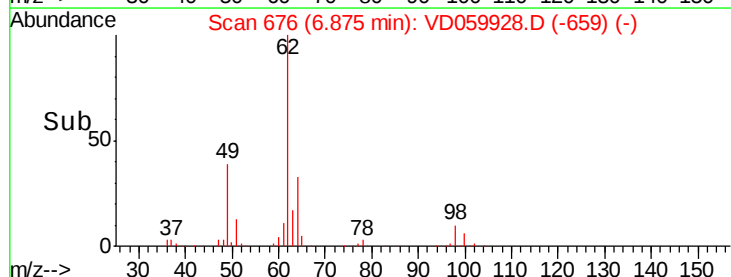
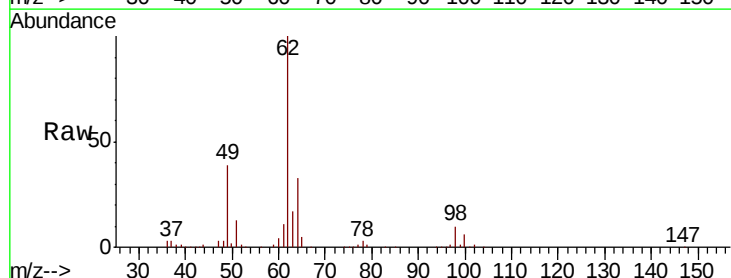
Acq: 31 Aug 2018 11:11

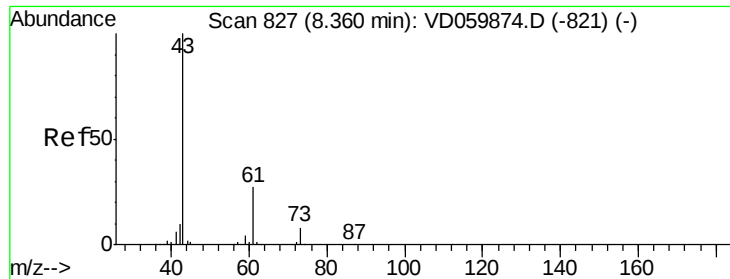
Tgt Ion: 62 Resp: 696781

Ion Ratio Lower Upper

62 100

98 9.8 0.0 18.4





#43

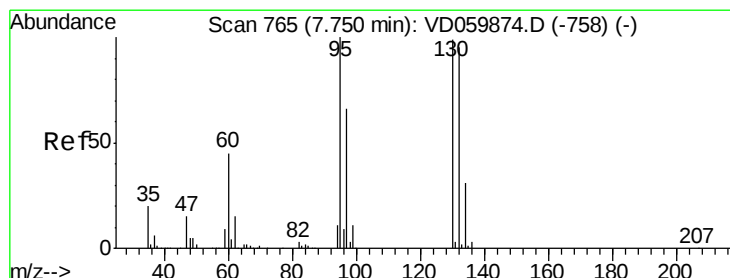
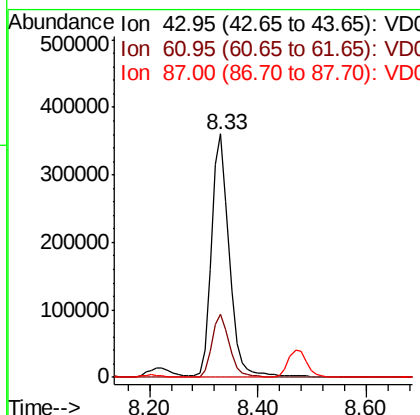
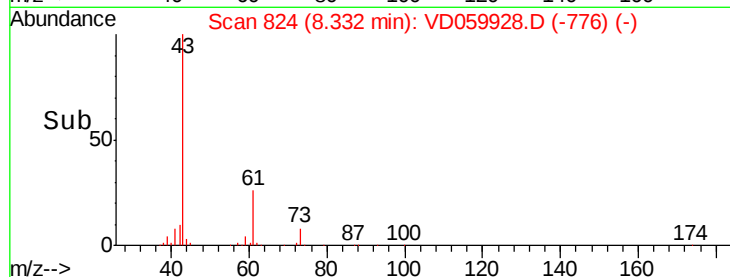
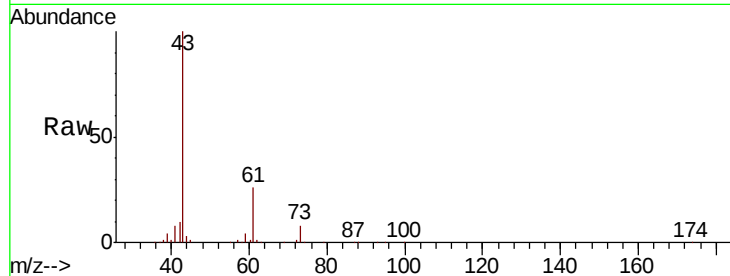
Isopropyl Acetate
 Concen: 49.35 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.4	32.2
87	0.2	0.2	0.4

Manual Integrations
 APPROVED

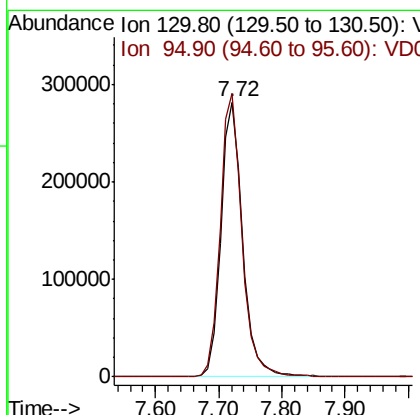
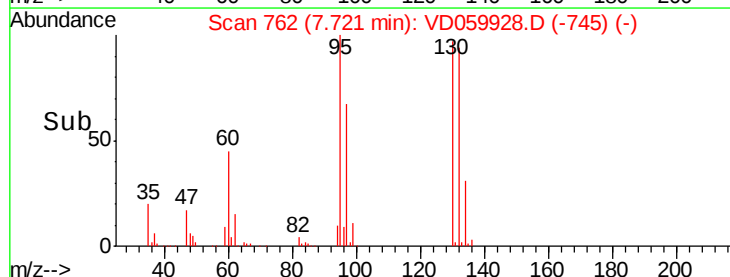
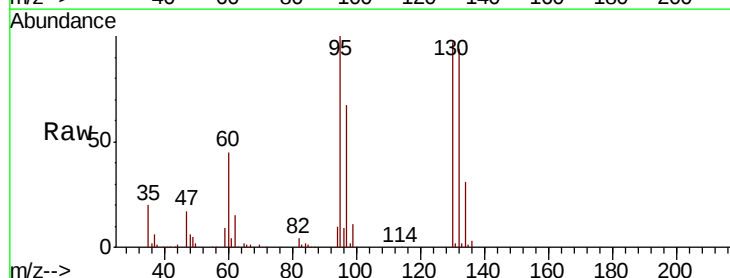
apatel
 9/4/2018 10:48:48 AM

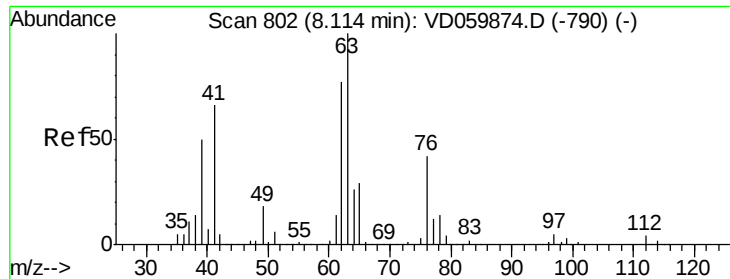


#44

Trichloroethene
 Concen: 53.73 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	202.0





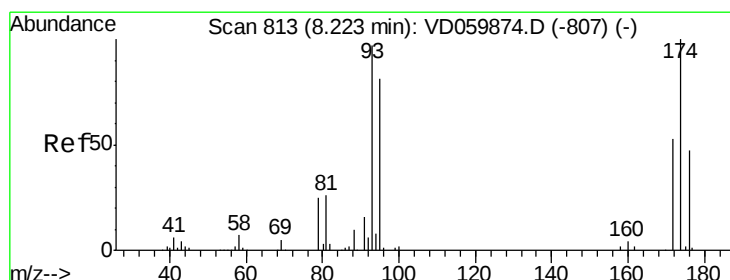
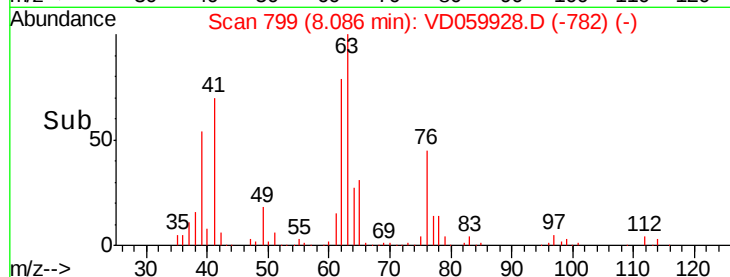
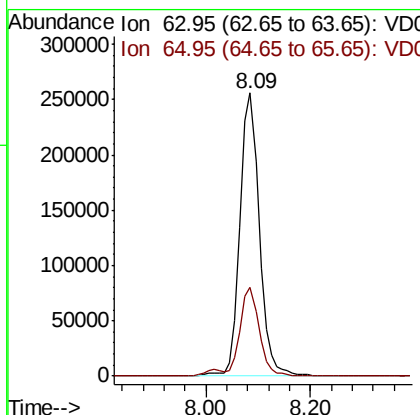
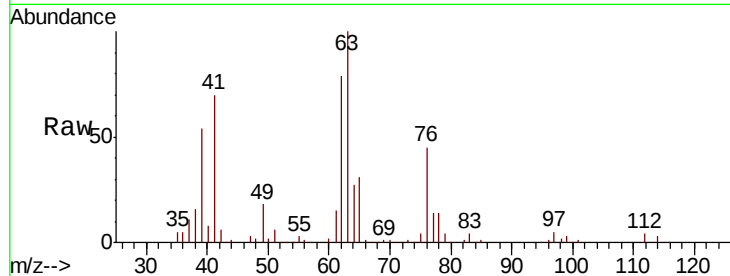
#45
 1,2-Dichloropropane
 Concen: 53.52 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 637866
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.5 35.3

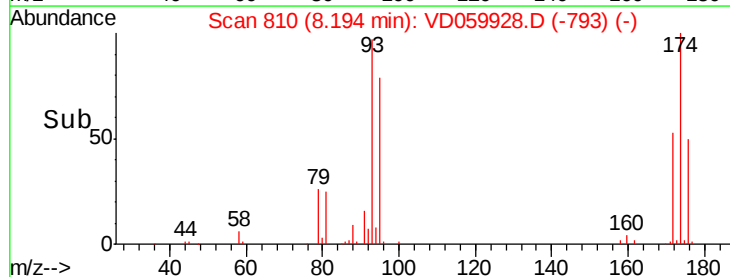
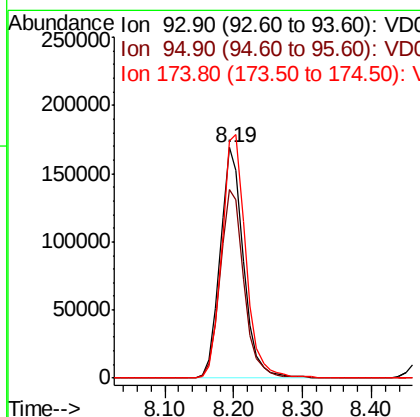
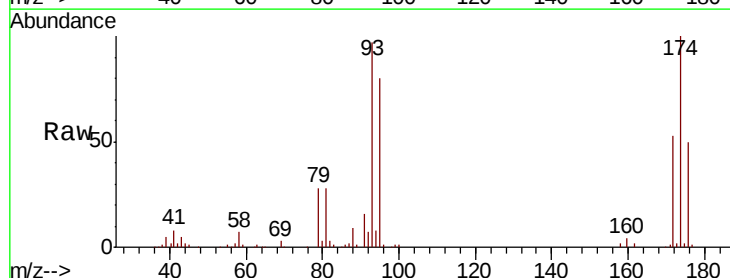
Manual Integrations
 APPROVED

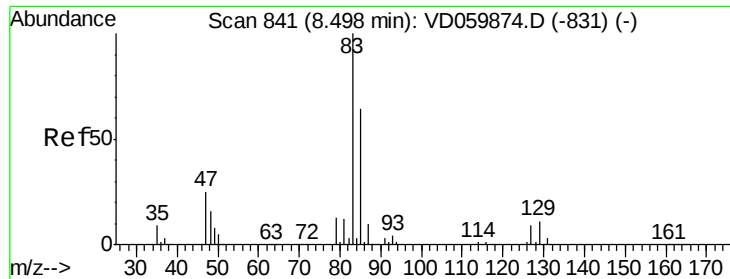
apatel
 9/4/2018 10:48:48 AM



#46
 Dibromomethane
 Concen: 51.56 ug/l
 RT: 8.19 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion: 93 Resp: 395171
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 103.0 82.4 123.6





#47

Bromodichloromethane

Concen: 53.92 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

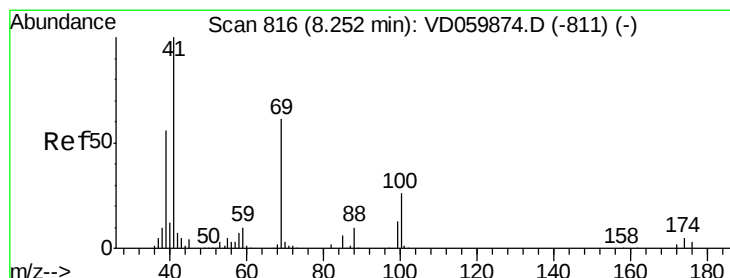
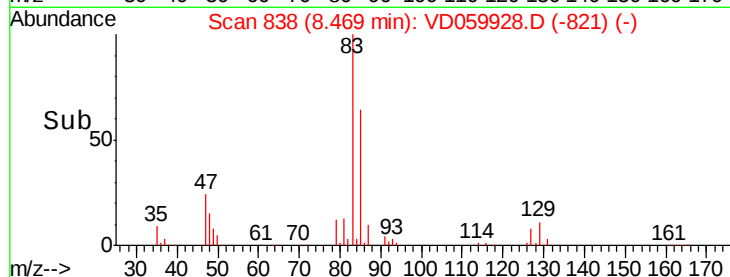
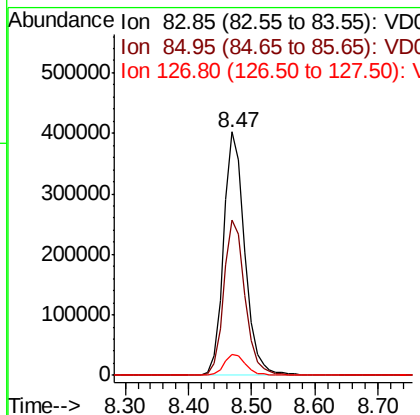
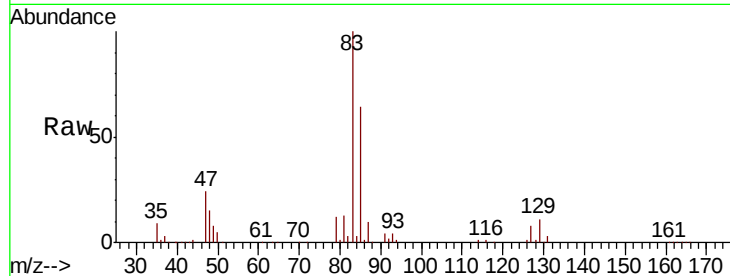
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	935561
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.3	76.9
127	8.5	7.0	10.4

Manual Integrations
APPROVED

apatel
9/4/2018 10:48:48 AM



#48

Methyl methacrylate

Concen: 49.32 ug/l

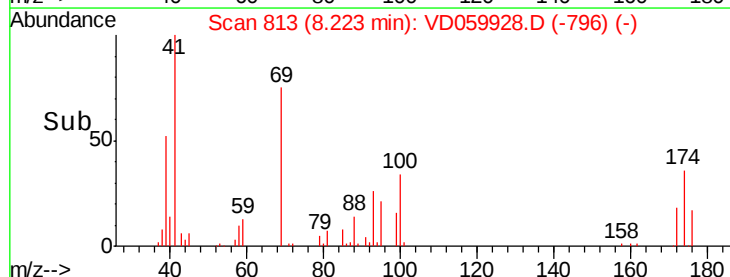
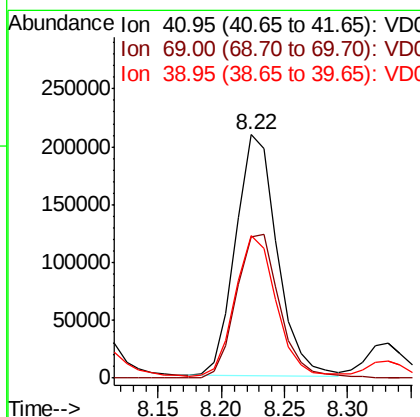
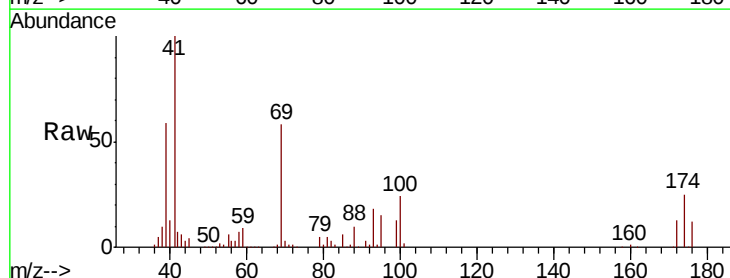
RT: 8.22 min Scan# 813

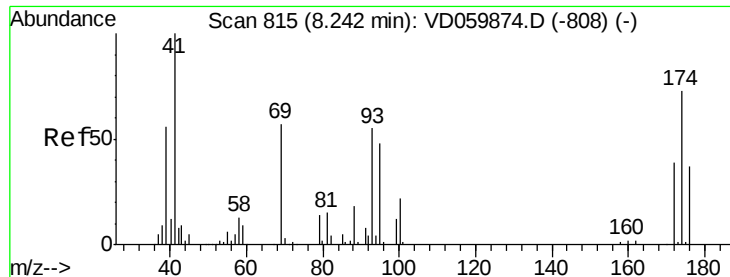
Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tgt Ion:	41	Resp:	477295
Ion Ratio	Lower	Upper	
41	100		
69	57.8	48.0	72.0
39	58.6	45.4	68.0





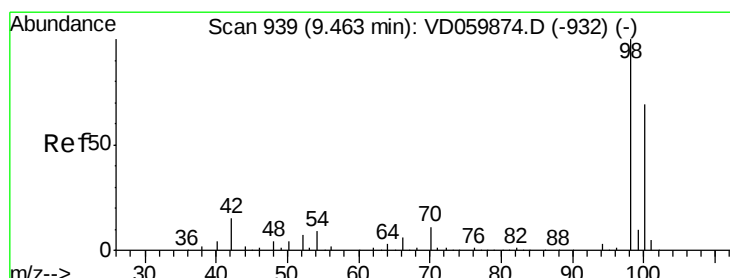
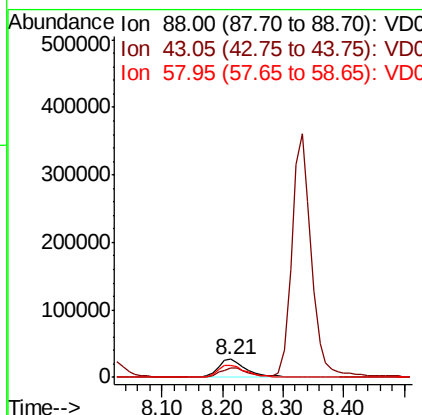
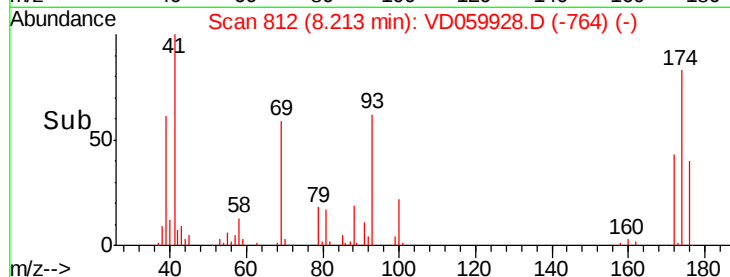
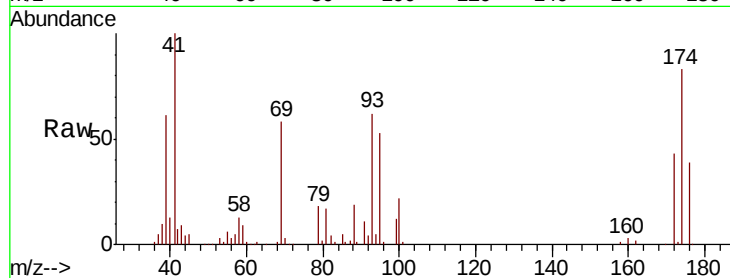
#49
1,4-Dioxane
Concen: 1016.97 ug/l
RT: 8.21 min Scan# 812
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.3	45.0	67.6
58	64.6	55.8	83.8

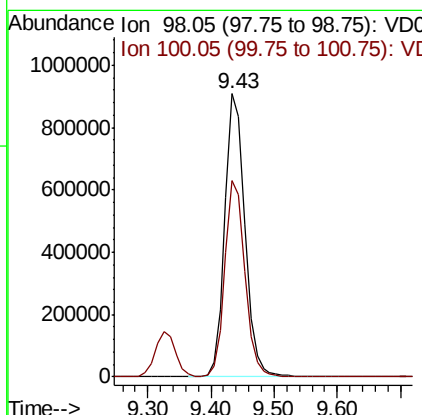
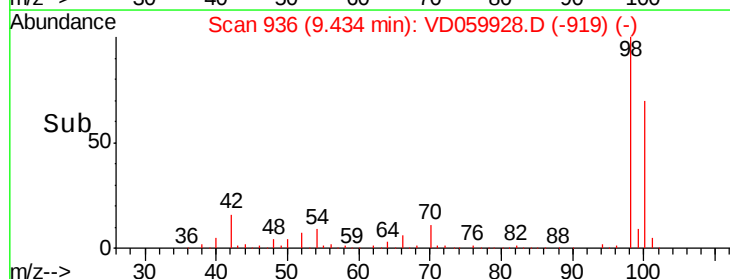
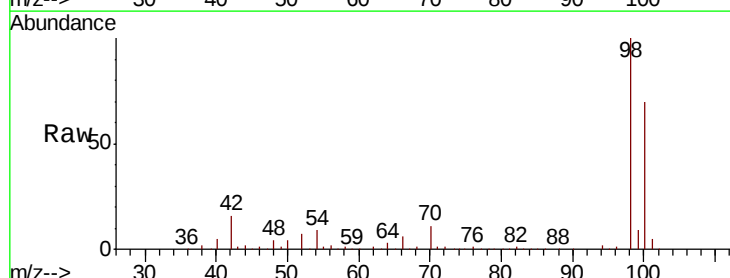
Manual Integrations
APPROVED

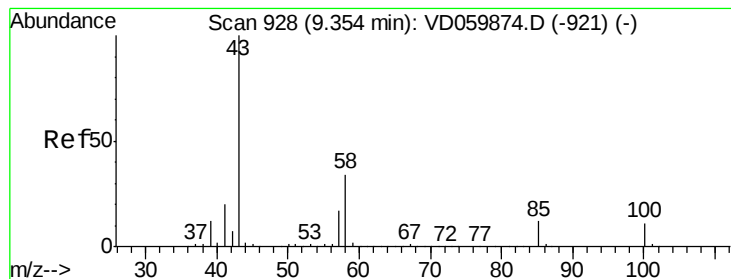
apatel
9/4/2018 10:48:48 AM



#50
Toluene-d8
Concen: 1016.97 ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.5	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 260.52 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3224477

Ion Ratio Lower Upper

43 100

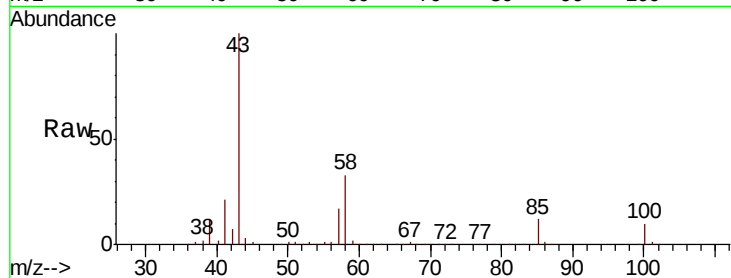
58 33.1 27.0 40.4

Manual Integrations

APPROVED

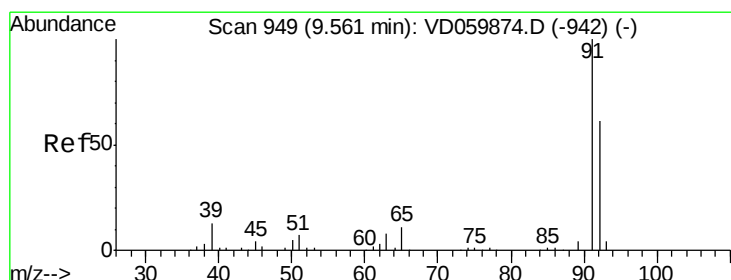
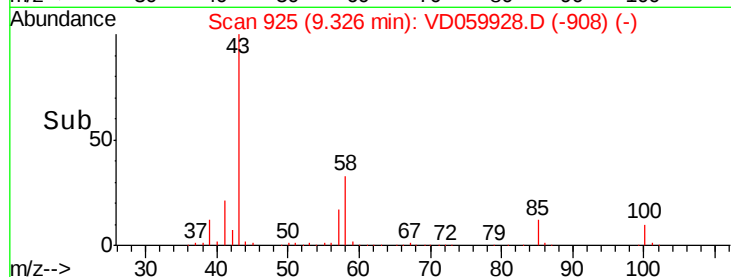
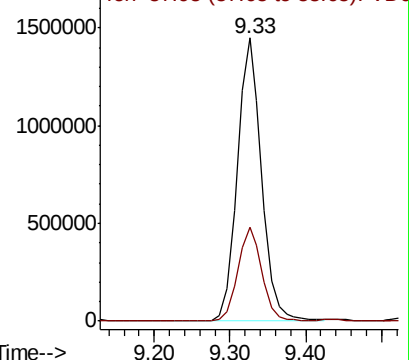
apatel

9/4/2018 10:48:48 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.26 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059928.D

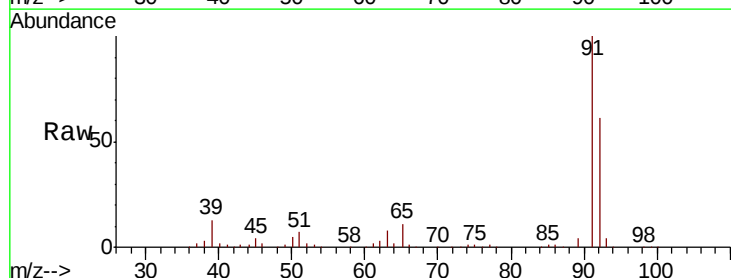
Acq: 31 Aug 2018 11:11

Tgt Ion: 92 Resp: 1483574

Ion Ratio Lower Upper

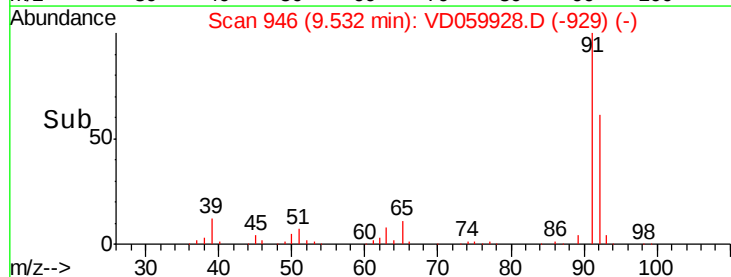
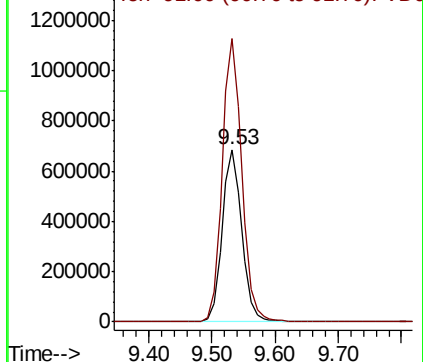
92 100

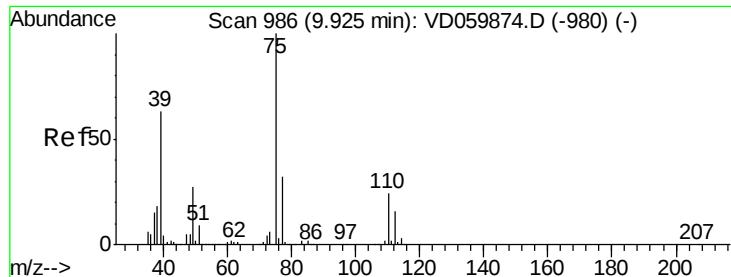
91 164.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





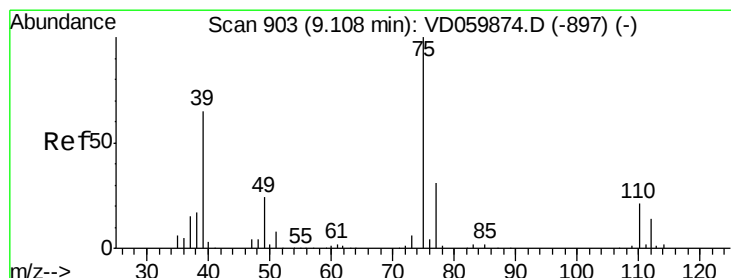
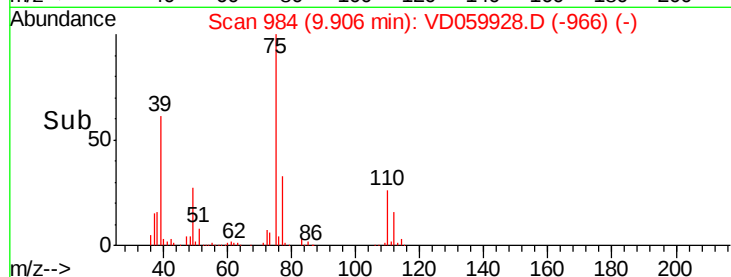
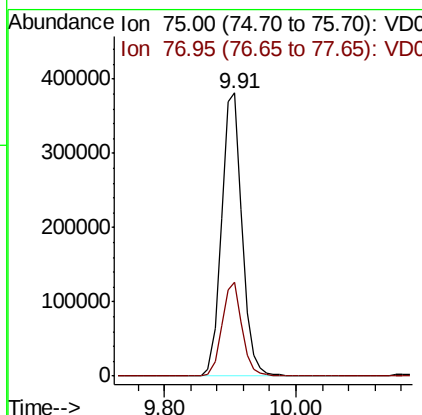
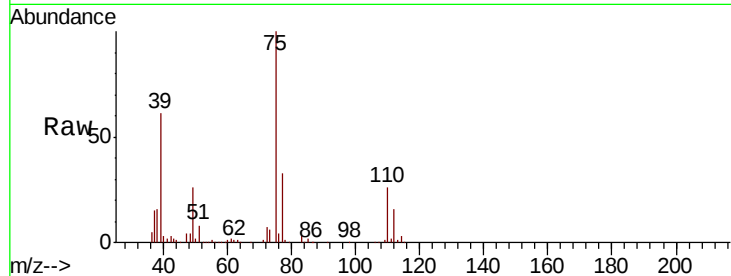
#53
t-1,3-Dichloropropene
Concen: 51.58 ug/l
RT: 9.91 min Scan# 984
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 827758
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

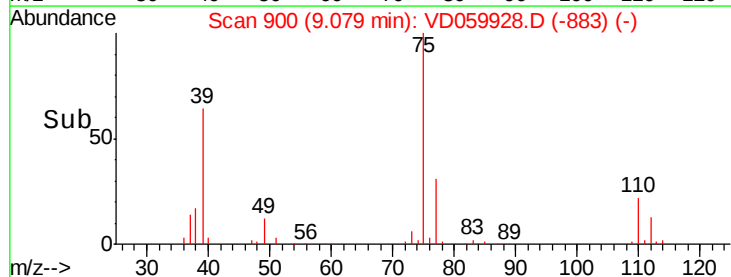
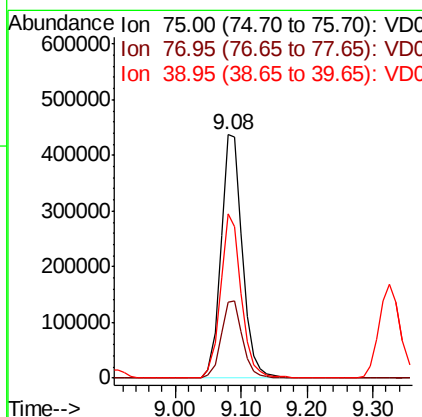
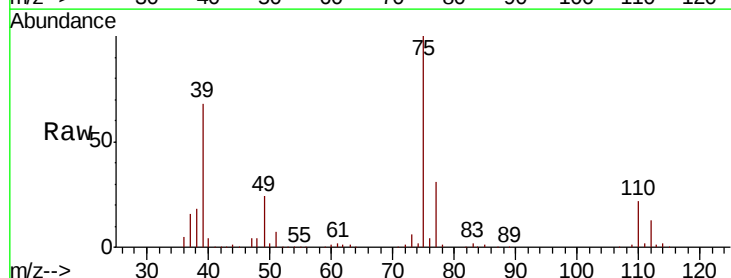
Manual Integrations
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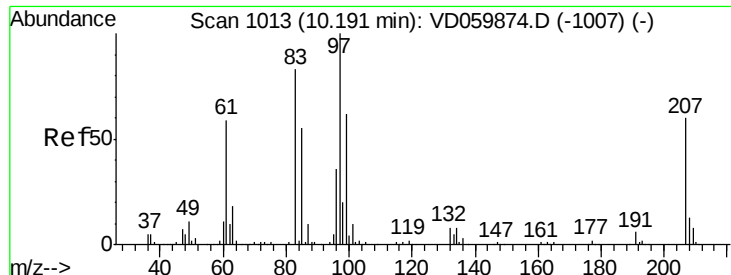
apatel
9/4/2018 10:48:48 AM



#54
cis-1,3-Dichloropropene
Concen: 53.21 ug/l
RT: 9.08 min Scan# 900
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 75 Resp: 990073
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 67.6 52.1 78.1





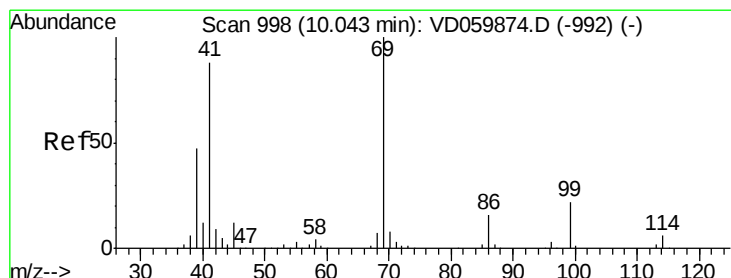
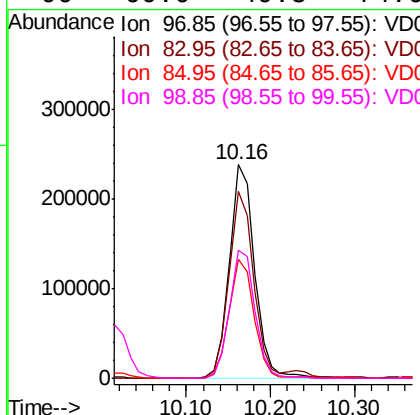
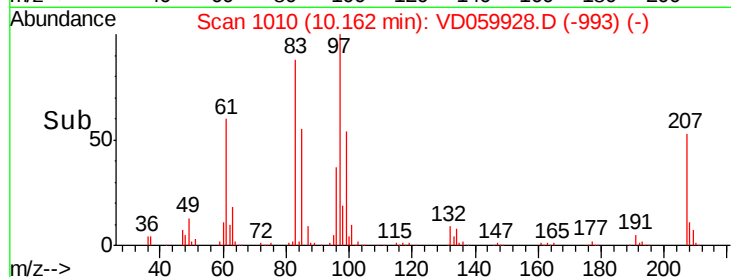
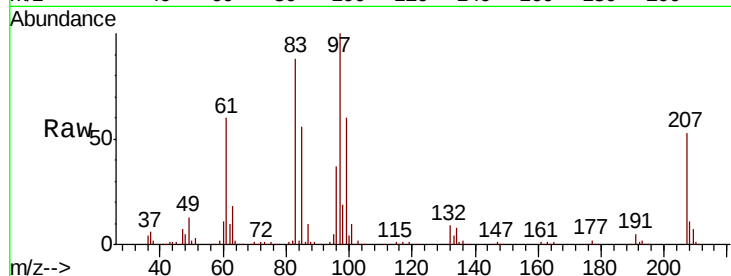
#55
 1,1,2-Trichloroethane
 Concen: 49.76 ug/l
 RT: 10.16 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	497340
Ion Ratio	Lower	Upper	
97	100		
83	87.5	66.7	100.1
85	55.9	43.8	65.6
99	60.0	49.8	74.6

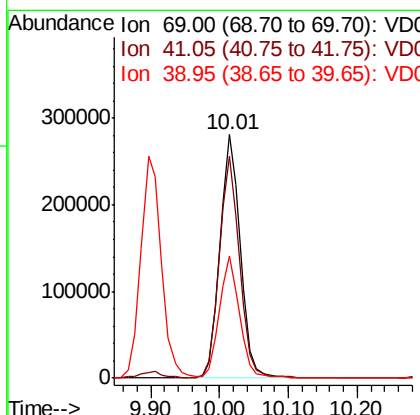
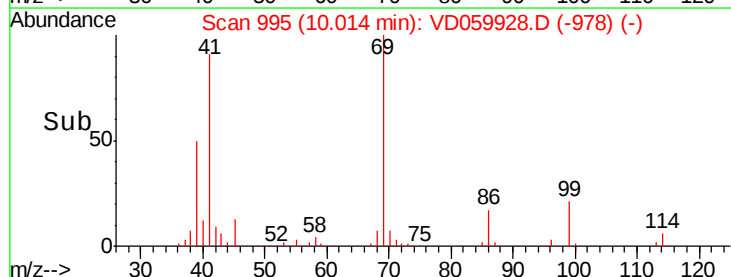
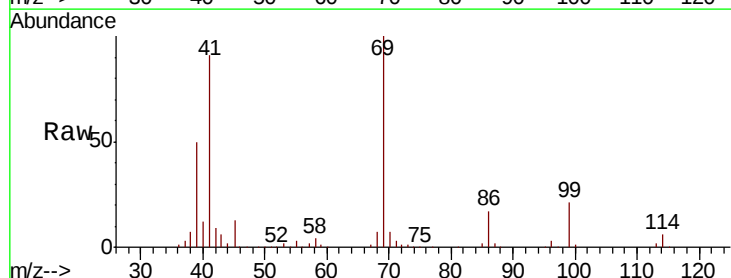
Manual Integrations
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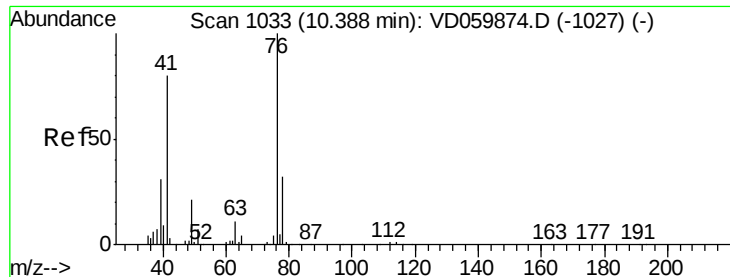
apatel
 9/4/2018 10:48:48 AM



#56
 Ethyl methacrylate
 Concen: 49.69 ug/l
 RT: 10.01 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion	69	Resp	573188
Ion Ratio	Lower	Upper	
69	100		
41	91.4	71.0	106.4
39	50.1	38.5	57.7





#57

1,3-Dichloropropane

Concen: 52.55 ug/l

RT: 10.37 min Scan# 1031

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 760242

Ion Ratio Lower Upper

76 100

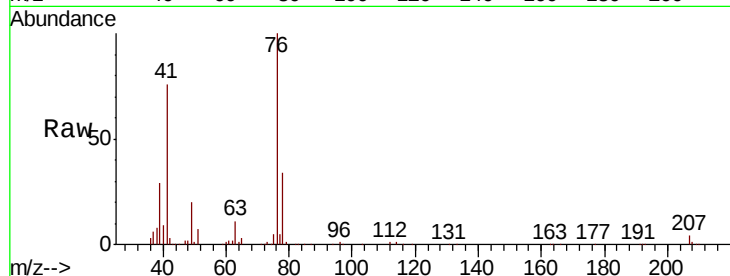
78 33.9 25.8 38.6

Manual Integrations

APPROVED

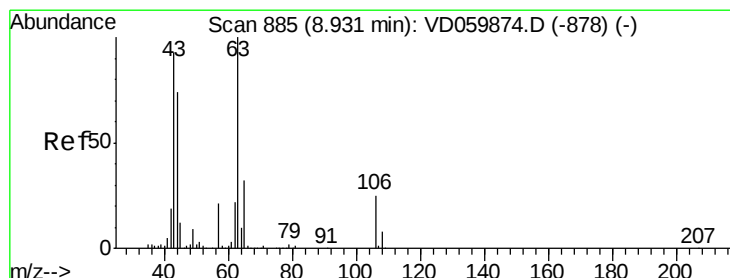
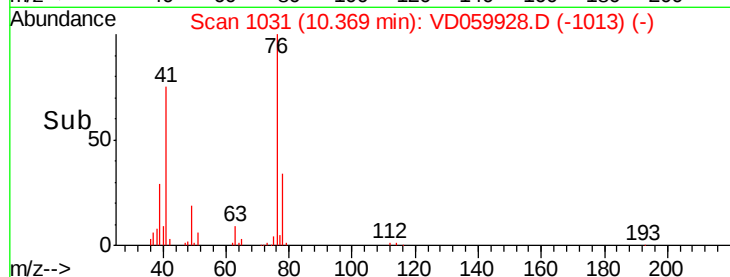
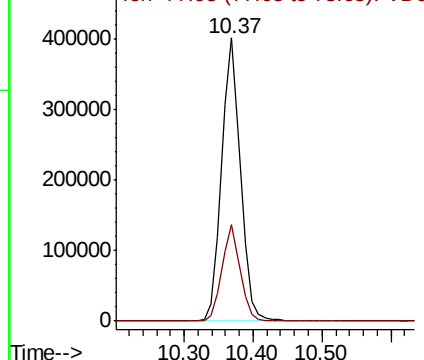
apatel

9/4/2018 10:48:48 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 252.58 ug/l

RT: 8.90 min Scan# 882

Delta R.T. -0.03 min

Lab File: VD059928.D

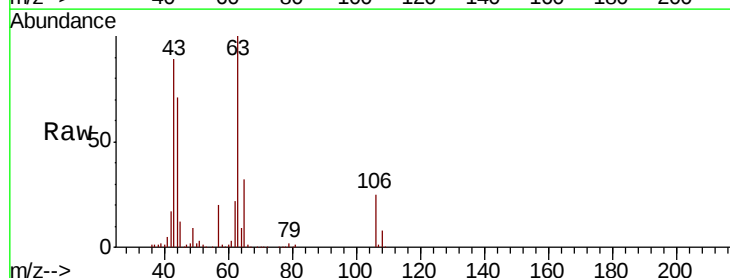
Acq: 31 Aug 2018 11:11

Tgt Ion: 63 Resp: 1397639

Ion Ratio Lower Upper

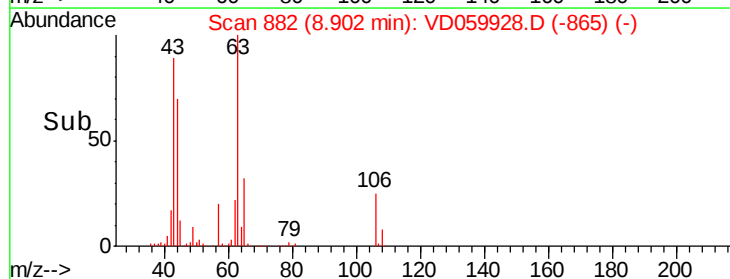
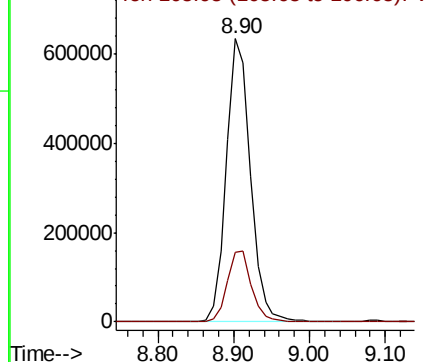
63 100

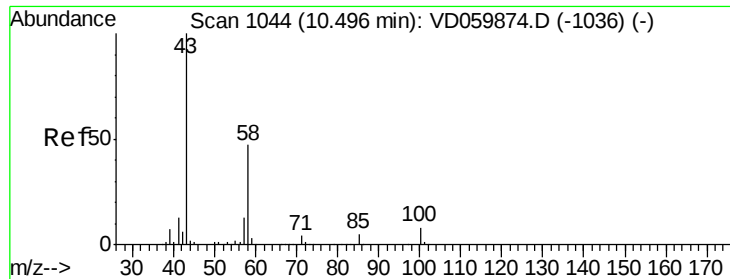
106 24.5 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





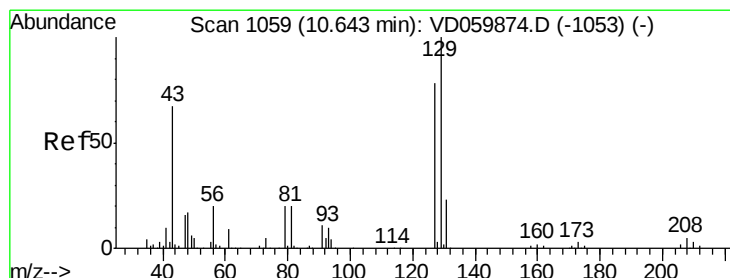
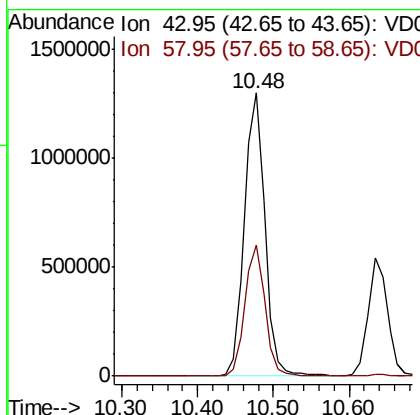
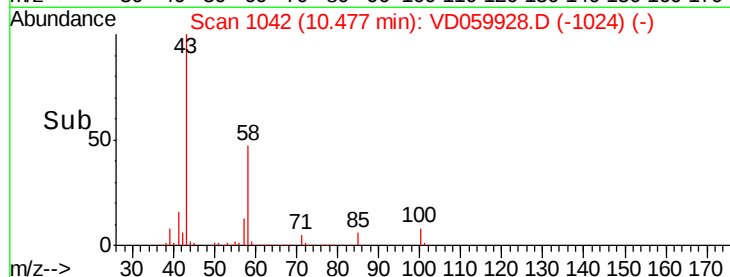
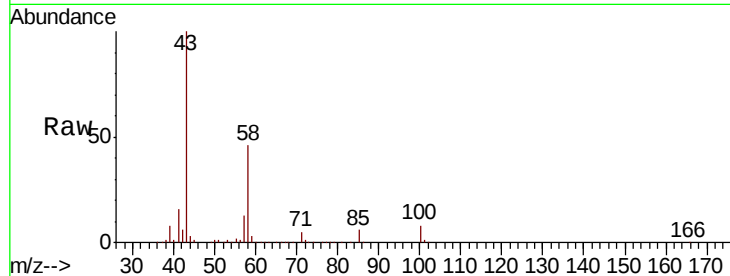
#59
2-Hexanone
Concen: 265.86 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2427087
Ion Ratio Lower Upper
43 100
58 46.5 23.3 69.8

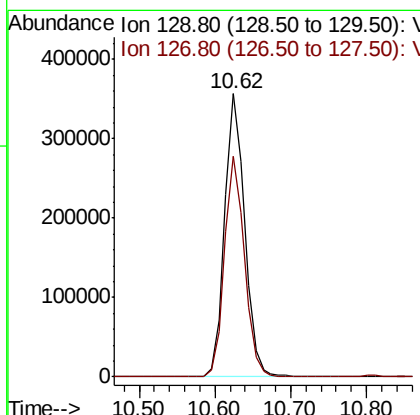
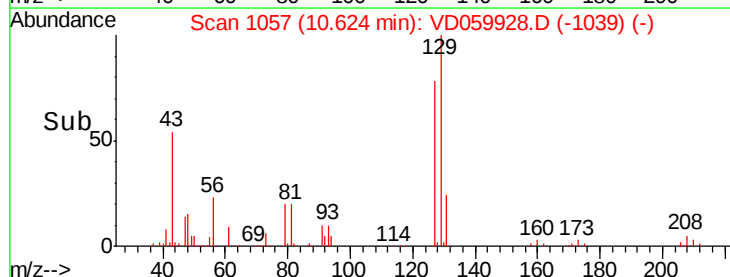
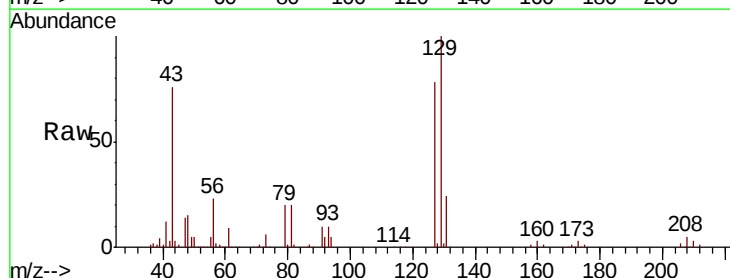
Manual Integrations
APPROVED

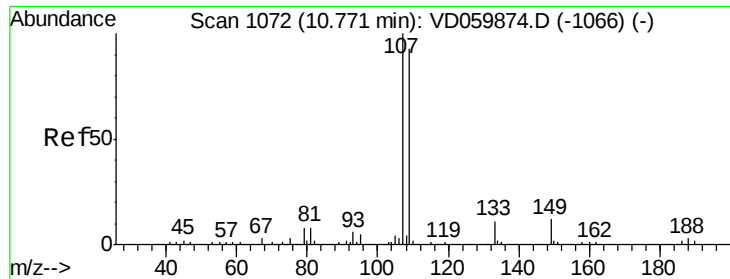
apatel
9/4/2018 10:48:48 AM



#60
Dibromochloromethane
Concen: 52.20 ug/l
RT: 10.62 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:129 Resp: 655716
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





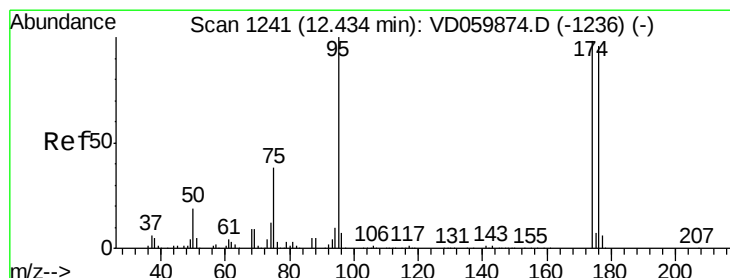
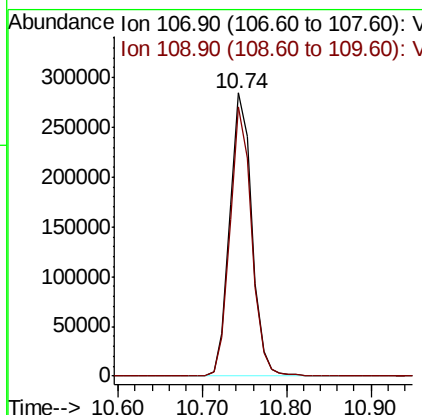
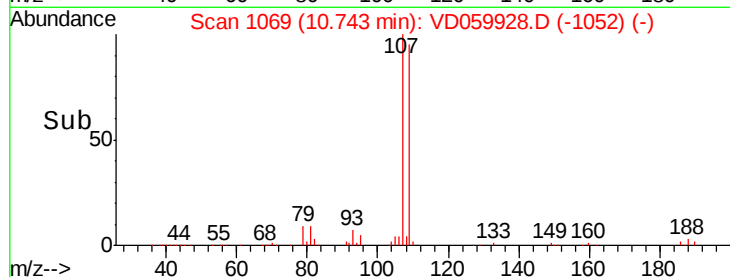
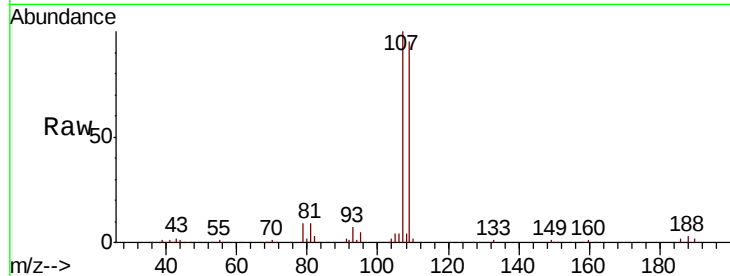
#61
 1,2-Dibromoethane
 Concen: 51.25 ug/l
 RT: 10.74 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.6	112.0

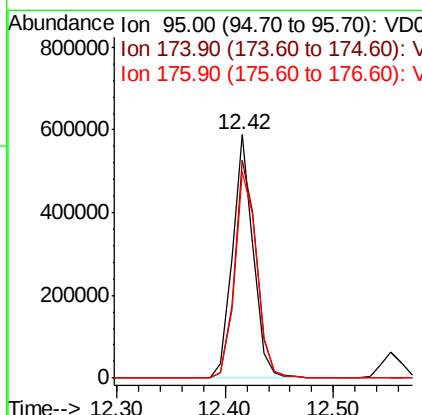
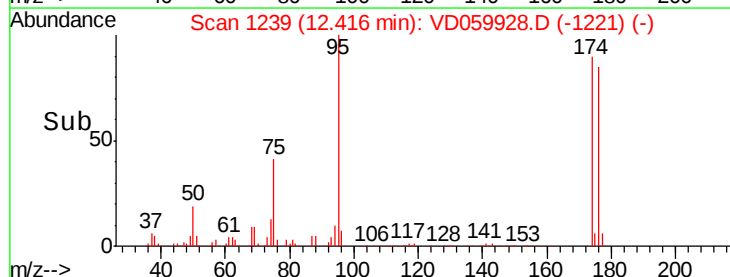
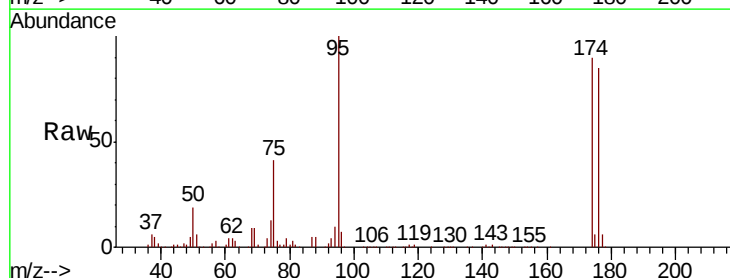
Manual Integrations
 APPROVED

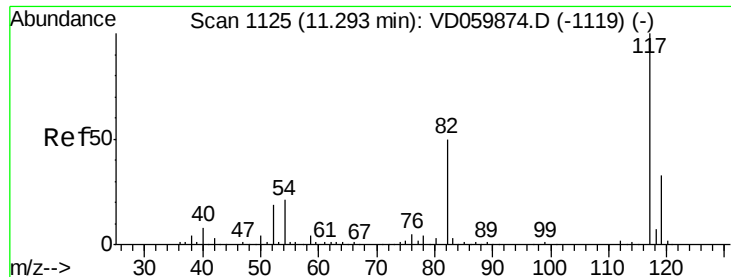
apatel
 9/4/2018 10:48:48 AM



#62
 4-Bromofluorobenzene
 Concen: 51.25 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	195.6
176	84.8	0.0	191.2





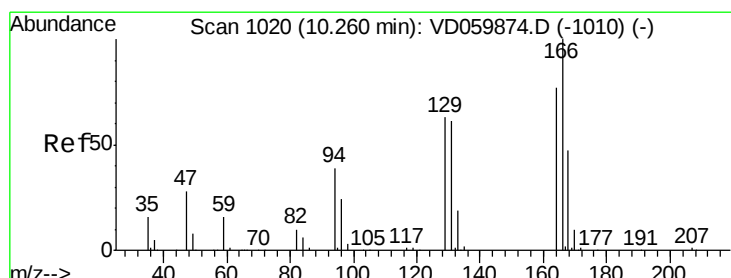
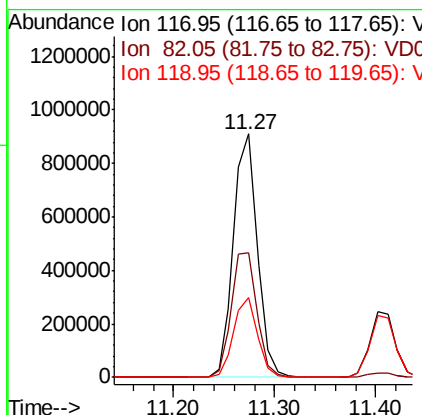
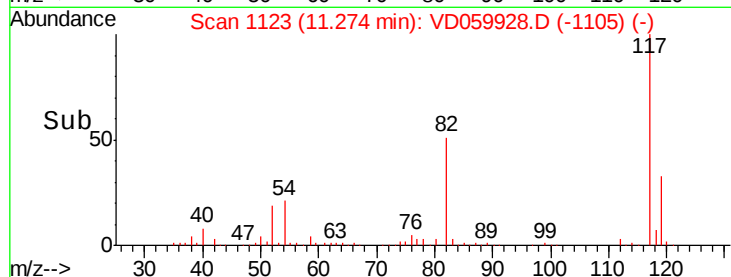
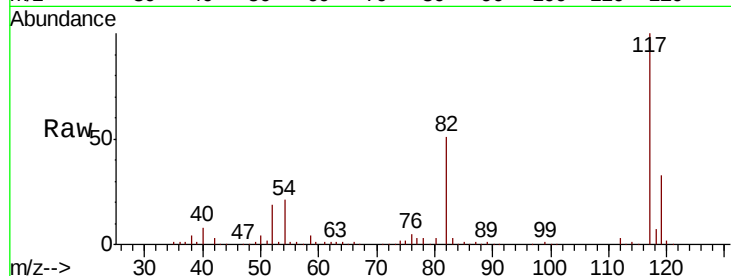
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1503408
Ion Ratio Lower Upper
117 100
82 51.1 40.1 60.1
119 32.5 26.7 40.1

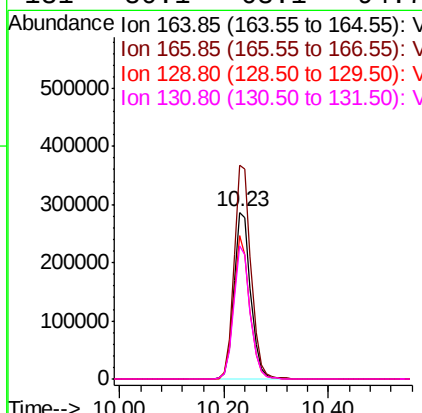
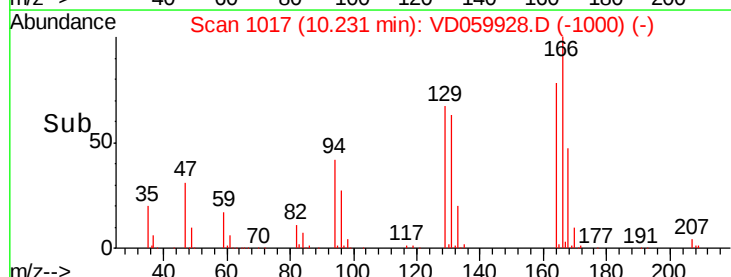
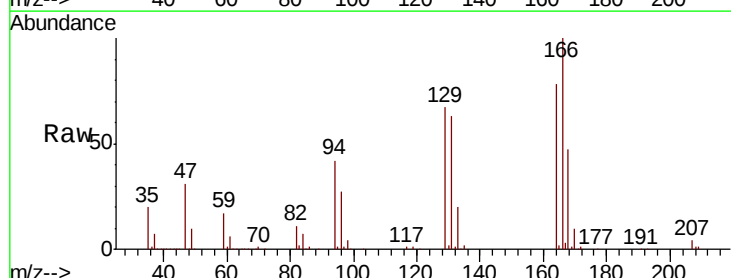
Manual Integrations
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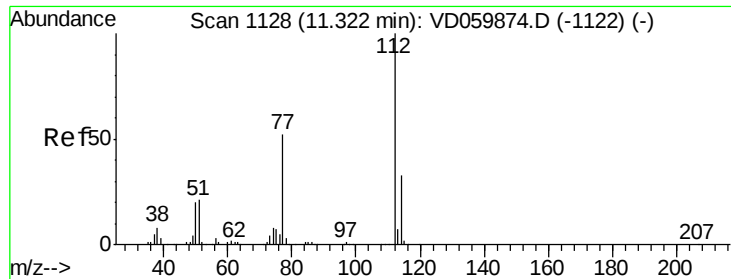
apatel
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#64
Tetrachloroethene
Concen: 53.51 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:164 Resp: 622054
Ion Ratio Lower Upper
164 100
166 128.2 103.4 155.2
129 85.8 65.2 97.8
131 80.1 63.1 94.7





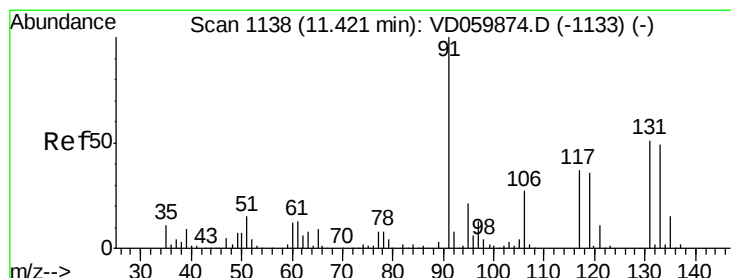
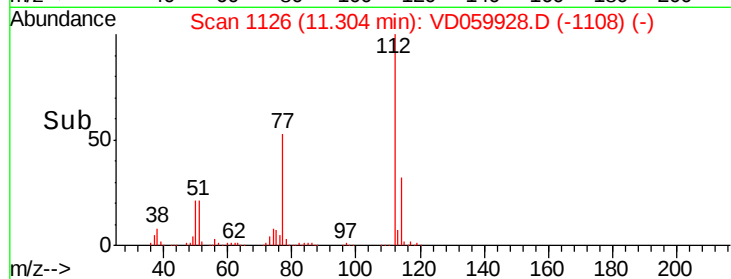
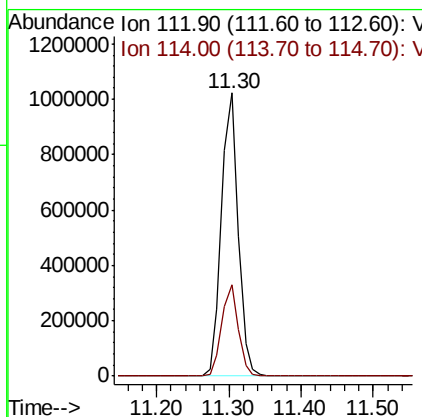
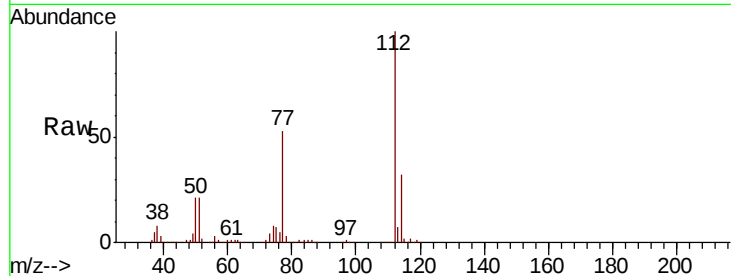
#65
Chlorobenzene
Concen: 54.94 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1641234
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6

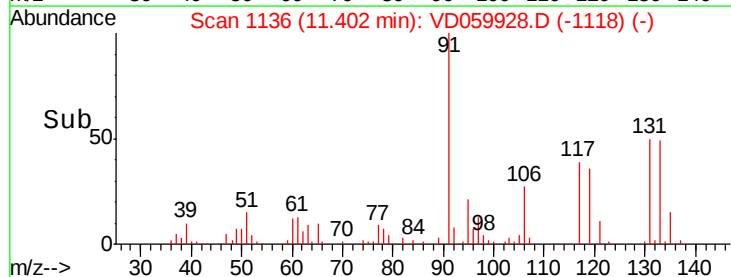
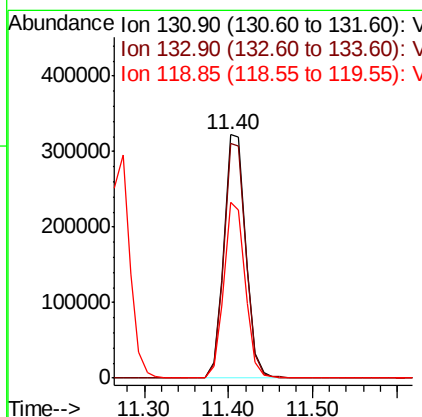
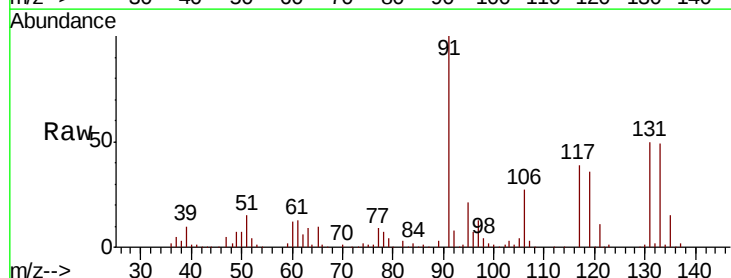
Manual Integrations
APPROVED

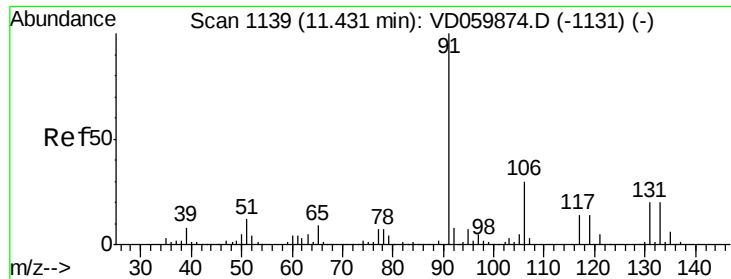
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.17 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:131 Resp: 580343
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.8
119 72.1 35.4 106.3





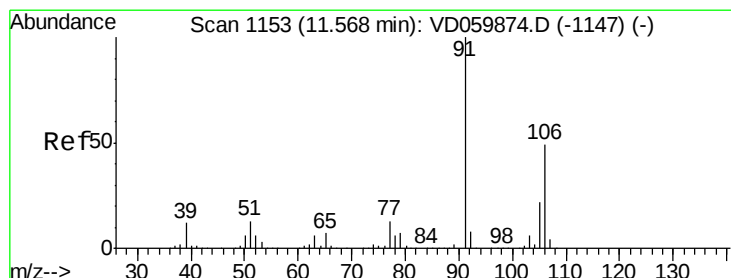
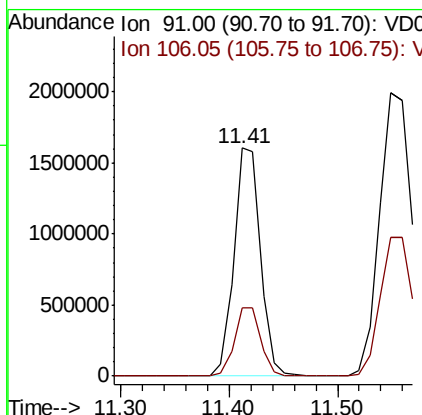
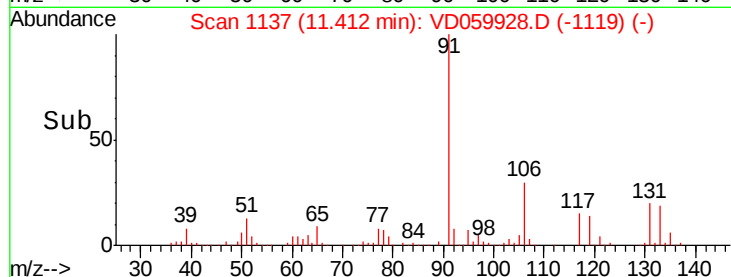
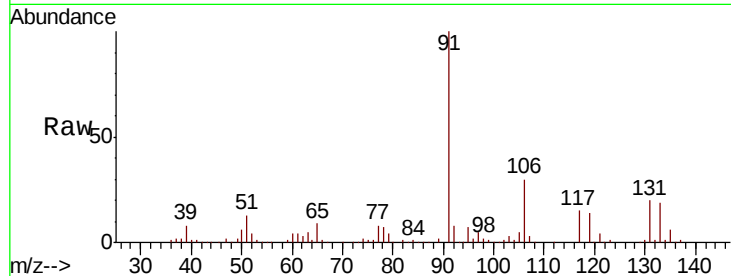
#67
Ethyl Benzene
Concen: 54.33 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2730837
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8

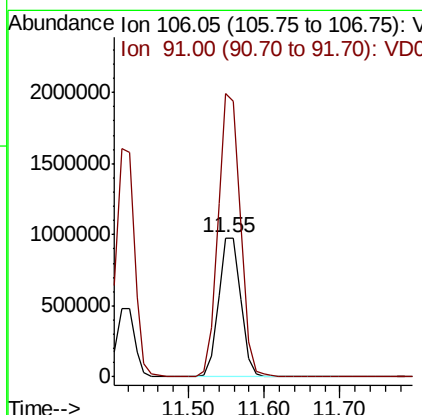
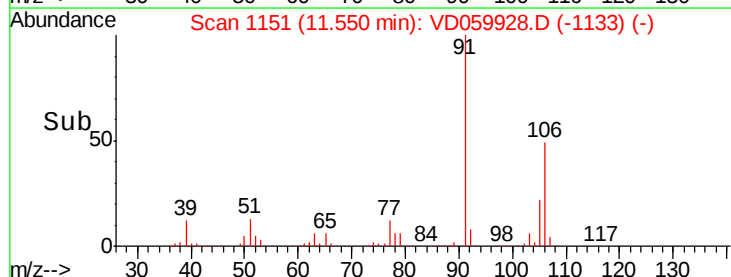
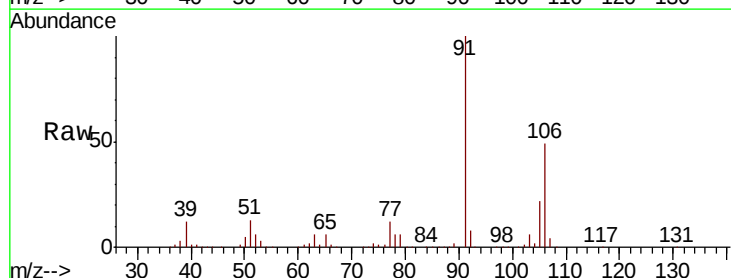
Manual Integrations
APPROVED

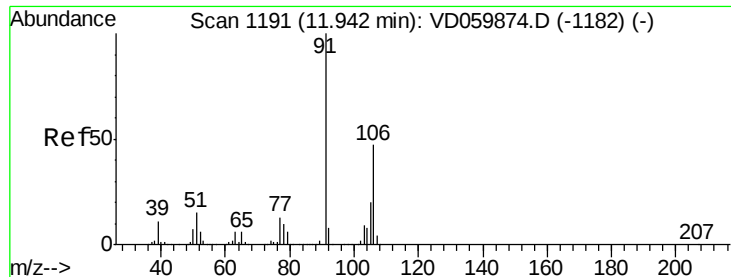
apatel
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#68
m/p-Xylenes
Concen: 109.15 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:106 Resp: 1997361
Ion Ratio Lower Upper
106 100
91 203.2 162.0 243.0





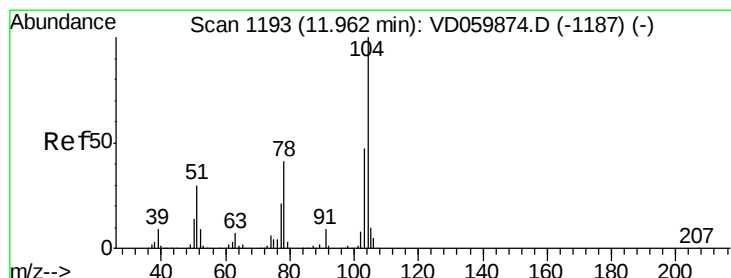
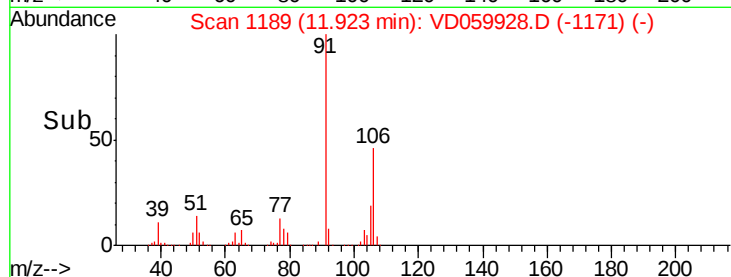
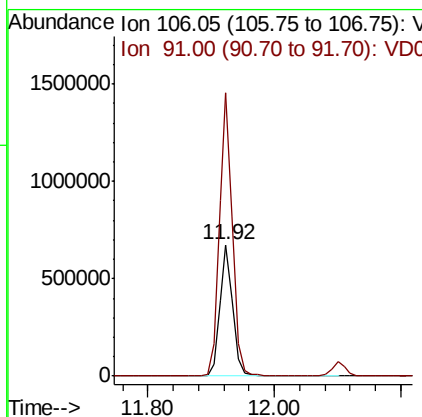
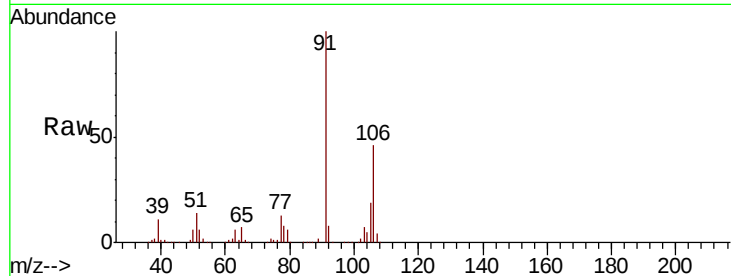
#69
o-Xylene
Concen: 54.43 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.8	107.3	322.0

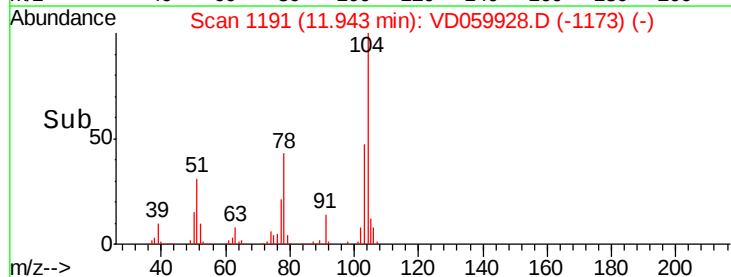
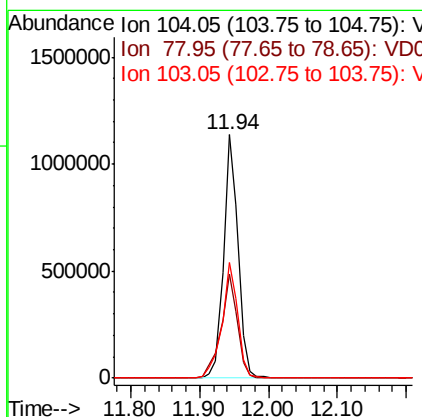
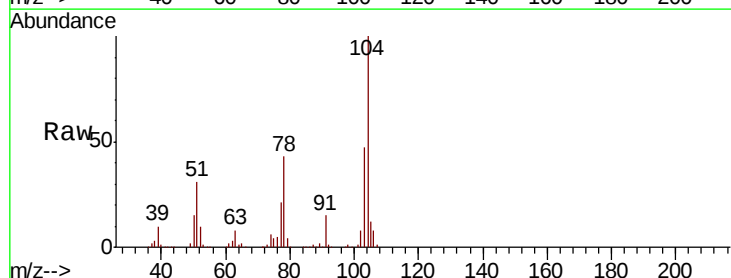
Manual Integrations
APPROVED

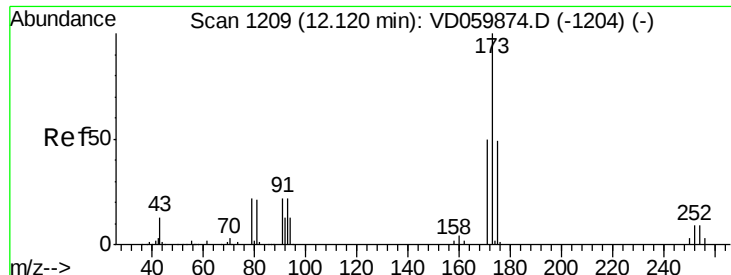
apatel
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#70
Styrene
Concen: 53.35 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	42.6	32.6	49.0
103	47.4	37.7	56.5





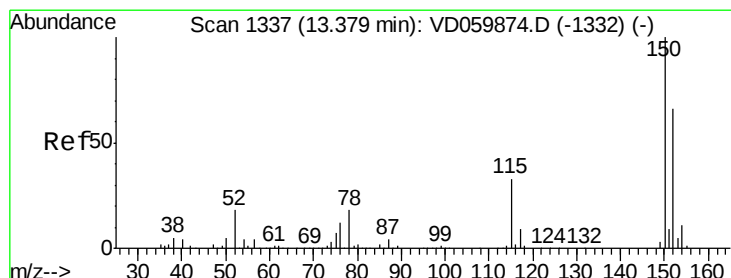
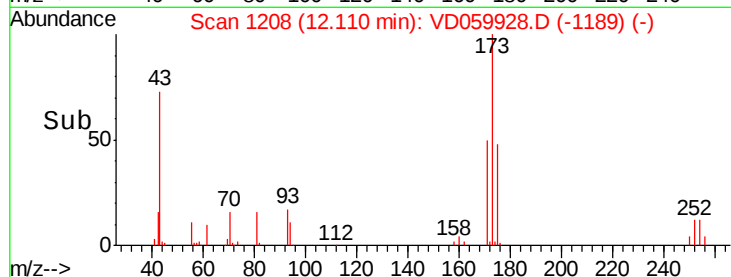
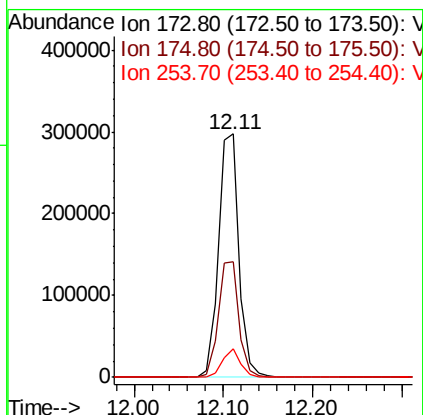
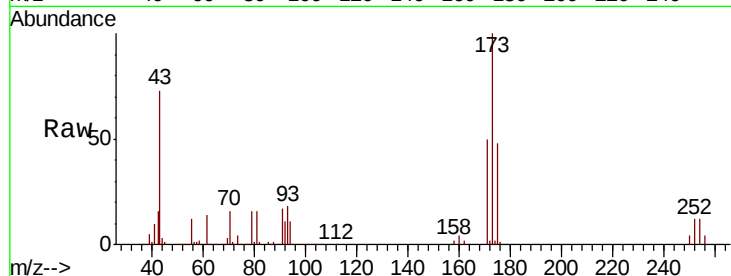
#71
Bromoform
Concen: 50.63 ug/l
RT: 12.11 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	73.0
254	11.7	7.0	10.6

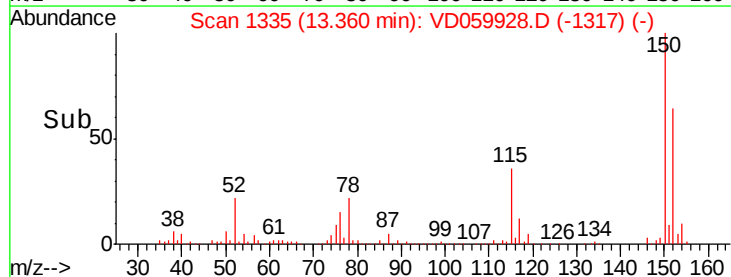
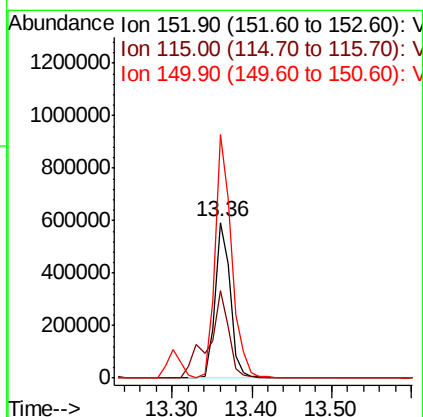
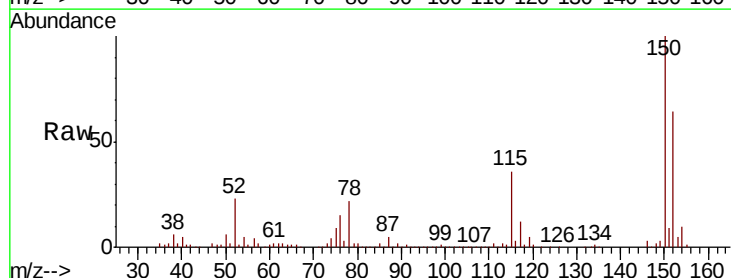
Manual Integrations
APPROVED

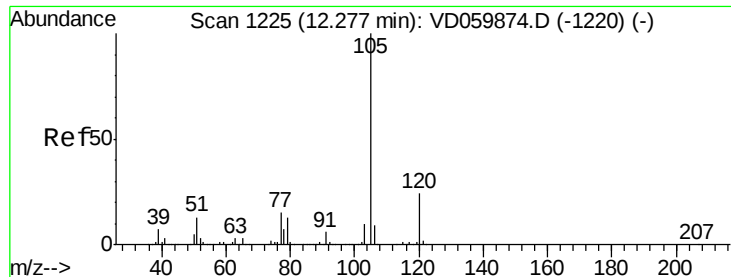
apatel
9/4/2018 10:48:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1335
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	25.7	77.0
150	156.4	0.0	310.2





#73

Isopropylbenzene

Concen: 53.70 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2738795

Ion Ratio Lower Upper

105 100

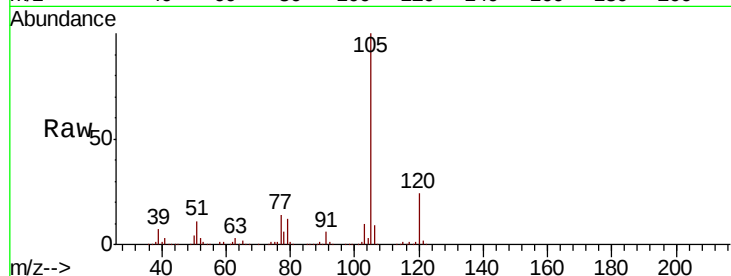
120 24.4 11.8 35.4

Manual Integrations

APPROVED

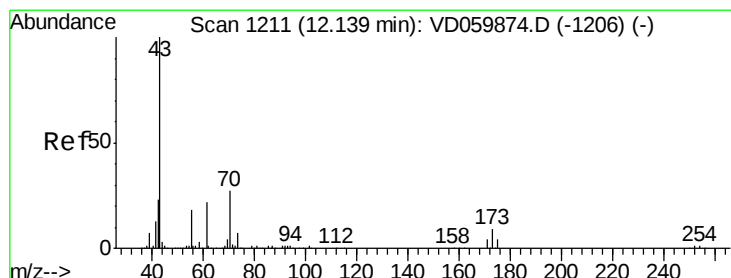
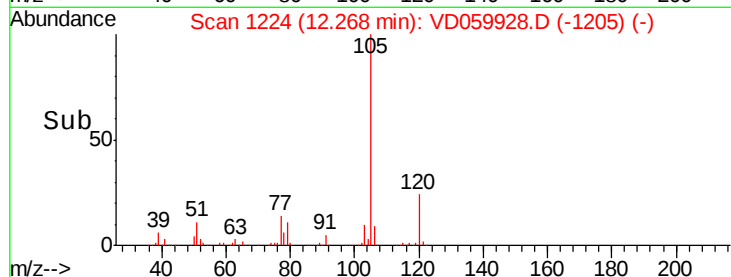
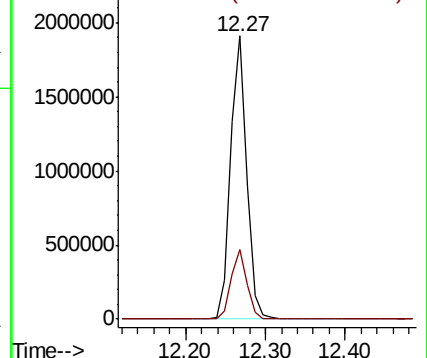
apatel

9/4/2018 10:48:48 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.94 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tgt Ion: 43 Resp: 1070494

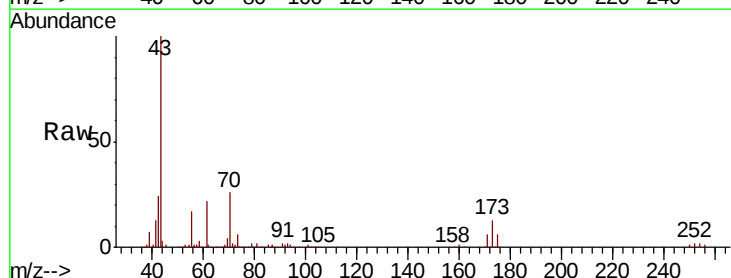
Ion Ratio Lower Upper

43 100

70 26.2 21.4 32.2

55 16.9 14.1 21.1

61 21.8 17.8 26.8

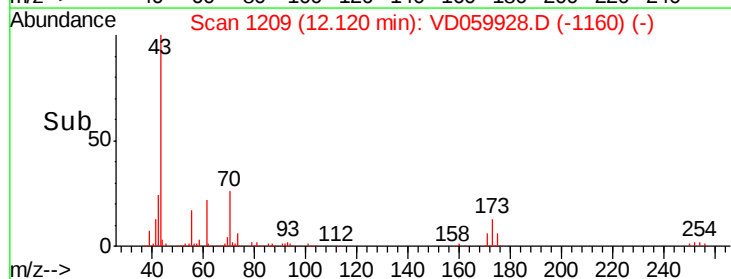
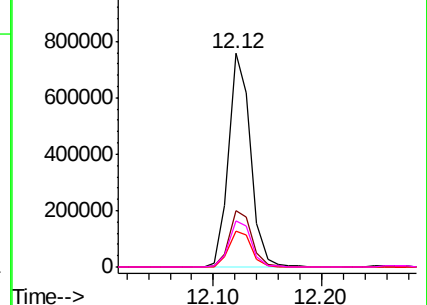


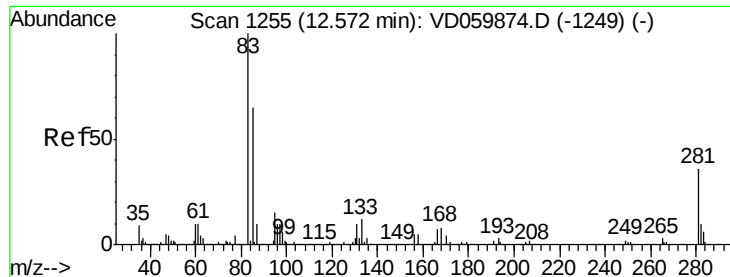
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.20 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 604010
Ion Ratio Lower Upper

83 100

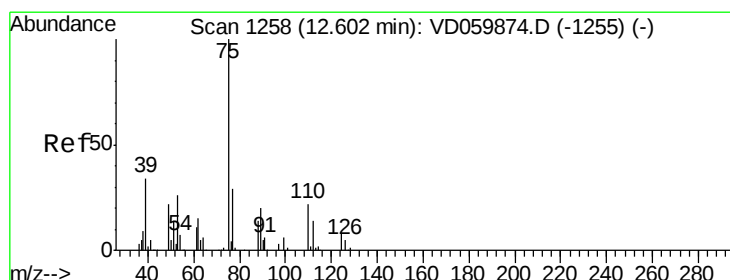
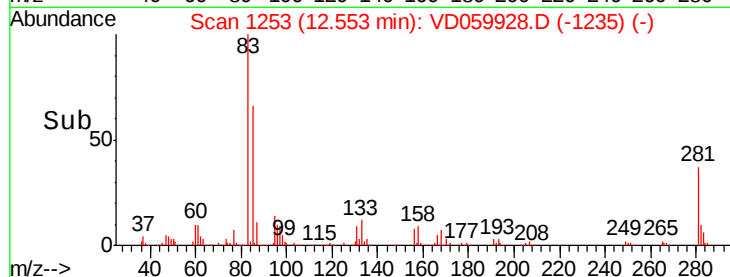
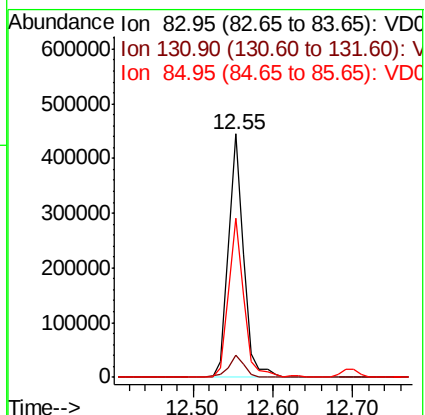
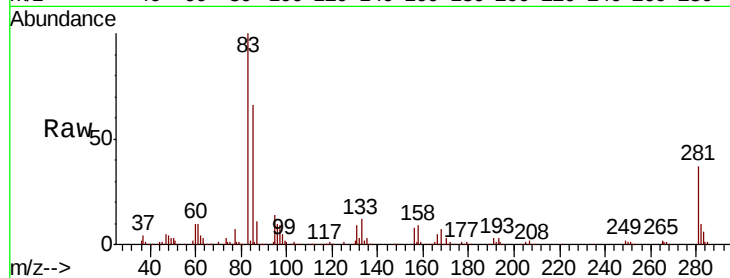
131 9.0 4.8 14.4

85 65.5 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 50.13 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. -0.02 min

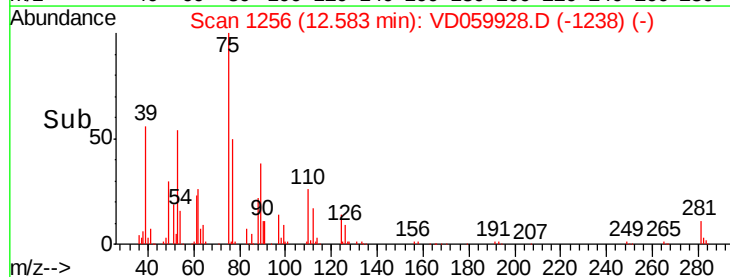
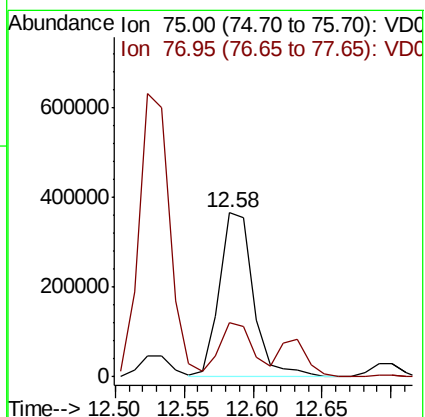
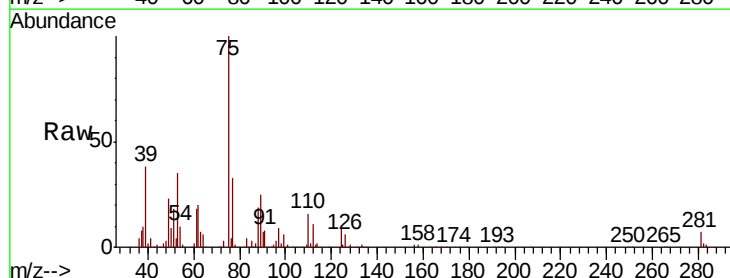
Lab File: VD059928.D

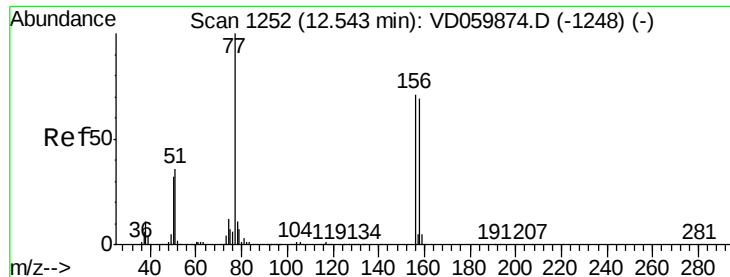
Acq: 31 Aug 2018 11:11

Tgt Ion: 75 Resp: 622420
Ion Ratio Lower Upper

75 100

77 33.0 16.4 49.2





#77

Bromobenzene

Concen: 55.08 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

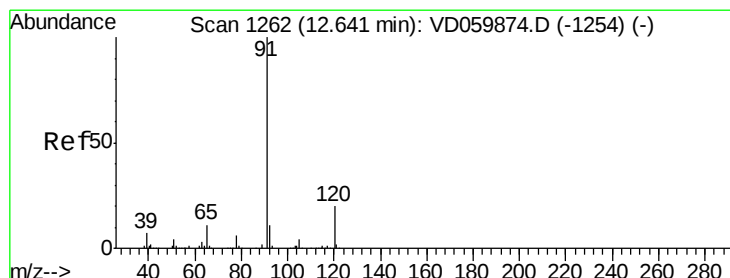
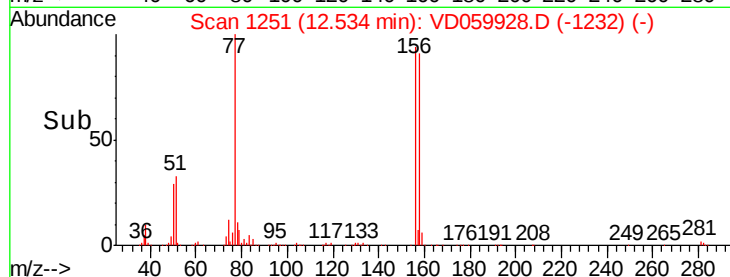
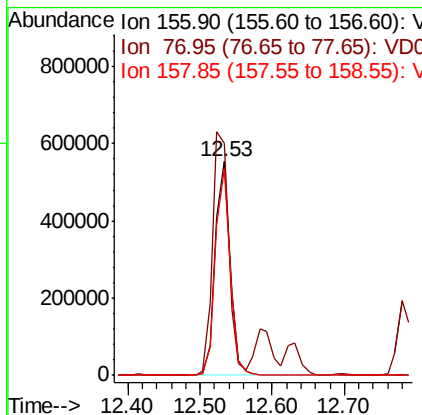
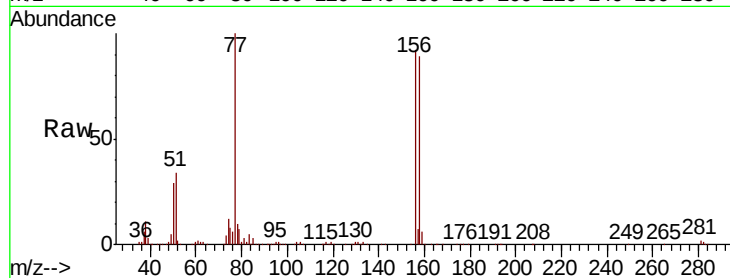
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	778845
Ion Ratio	Lower	Upper	
156	100		
77	108.6	70.2	210.4
158	96.5	48.4	145.2

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#78

n-propylbenzene

Concen: 53.45 ug/l

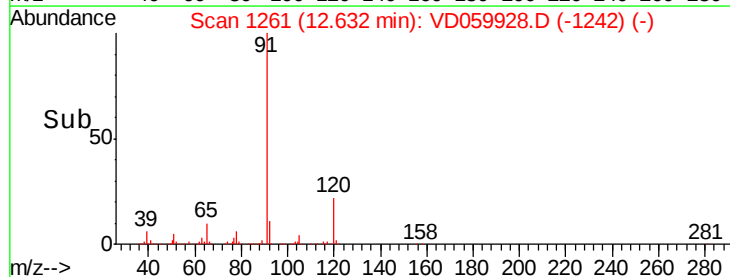
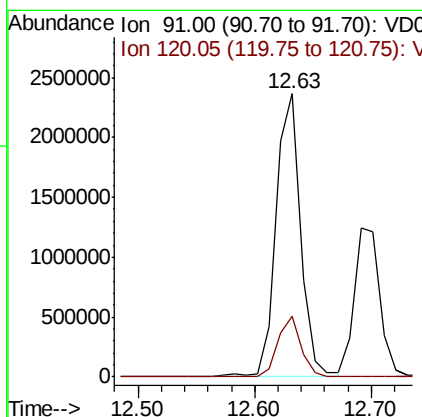
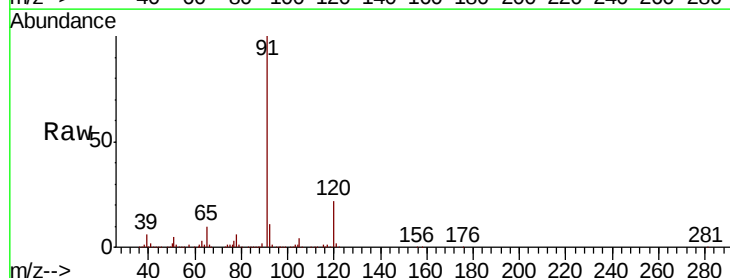
RT: 12.63 min Scan# 1261

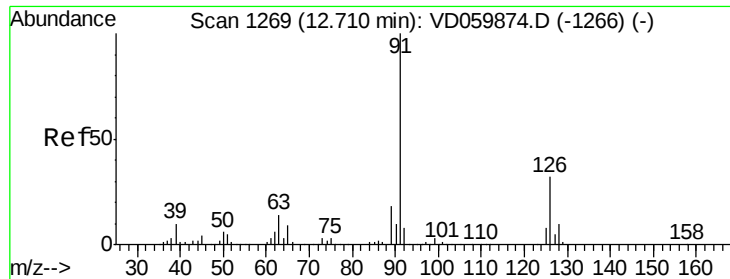
Delta R.T. -0.01 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Tgt Ion:	91	Resp:	3451617
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.1	30.3





#79

2-Chlorotoluene

Concen: 51.71 ug/l

RT: 12.69 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1888640

Ion Ratio Lower Upper

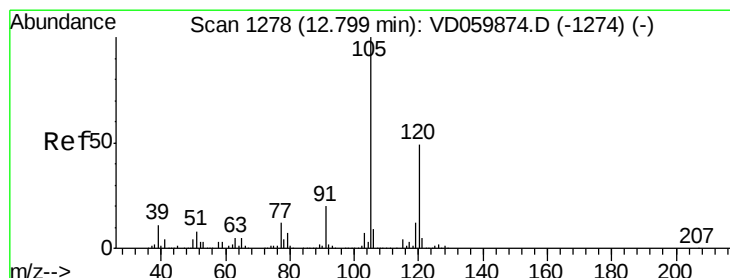
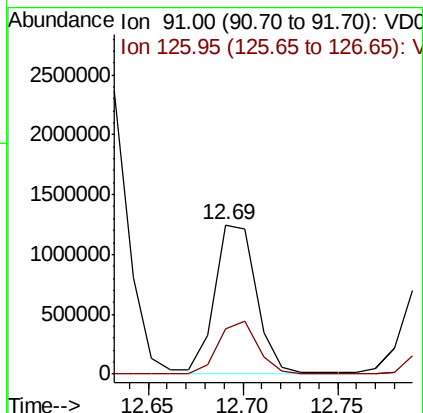
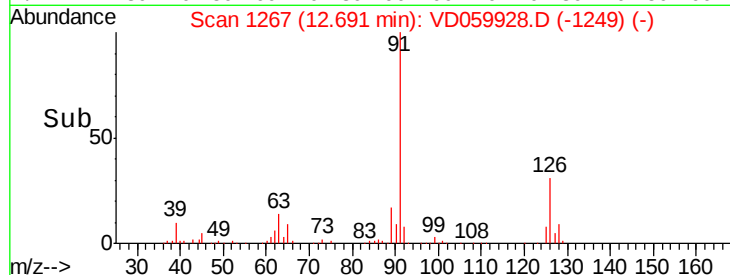
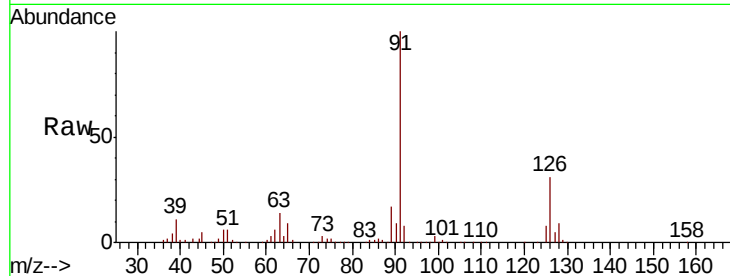
91 100

126 30.5 16.1 48.2

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#80

1,3,5-Trimethylbenzene

Concen: 51.18 ug/l

RT: 12.78 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VD059928.D

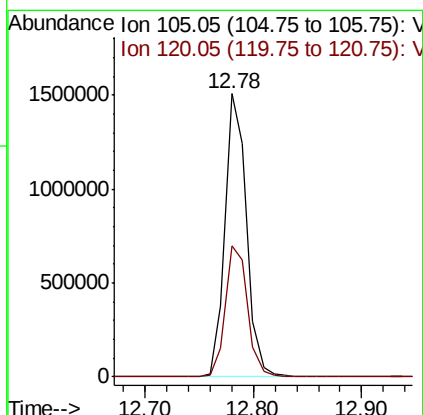
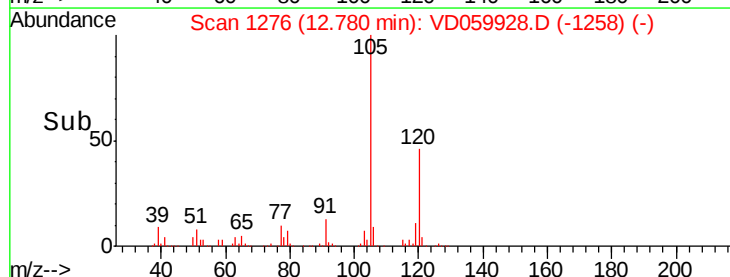
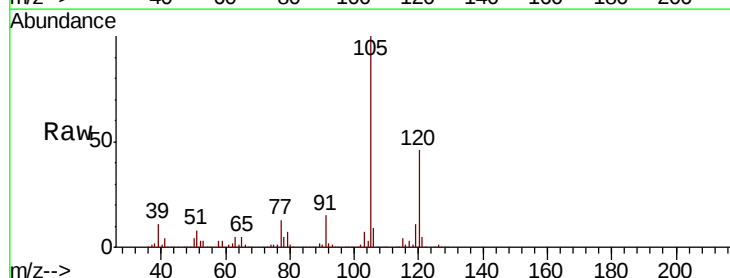
Acq: 31 Aug 2018 11:11

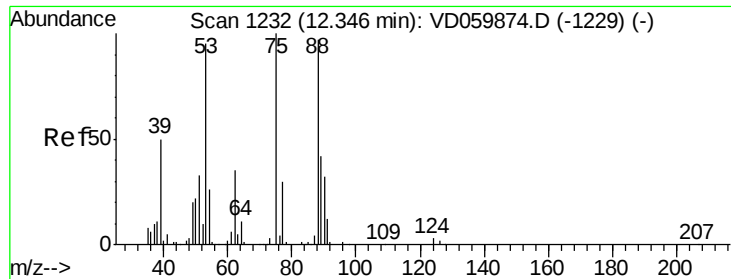
Tgt Ion:105 Resp: 2075016

Ion Ratio Lower Upper

105 100

120 46.2 24.5 73.5





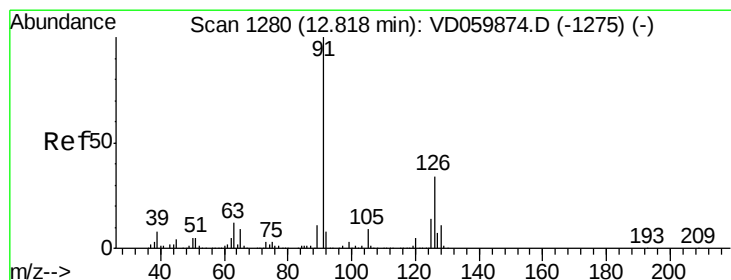
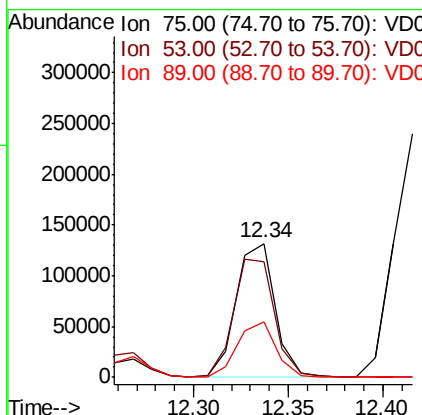
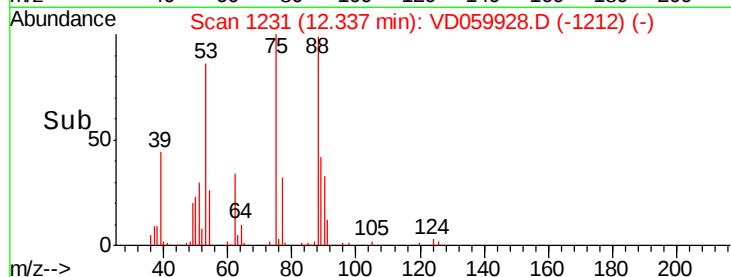
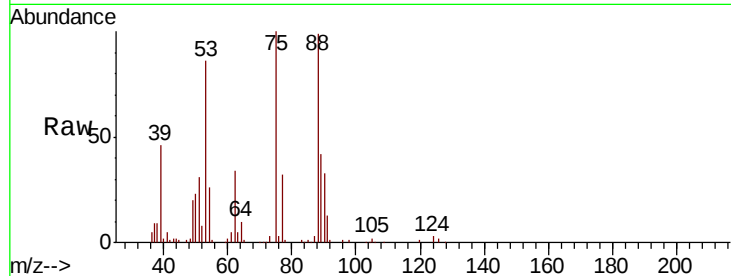
#81
trans-1,4-Dichloro-2-butene
Concen: 48.74 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.4	75.8	113.6
89	41.7	33.6	50.4

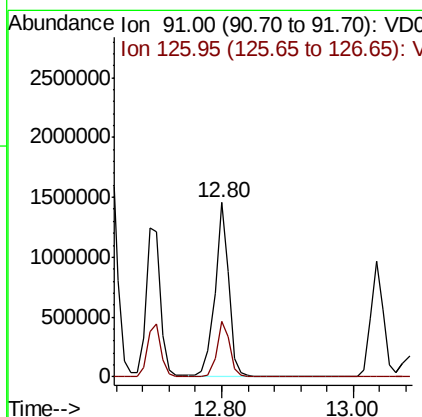
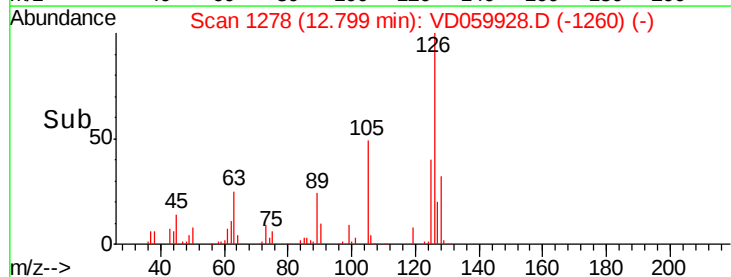
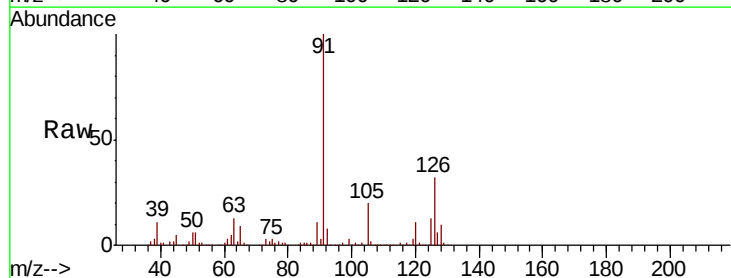
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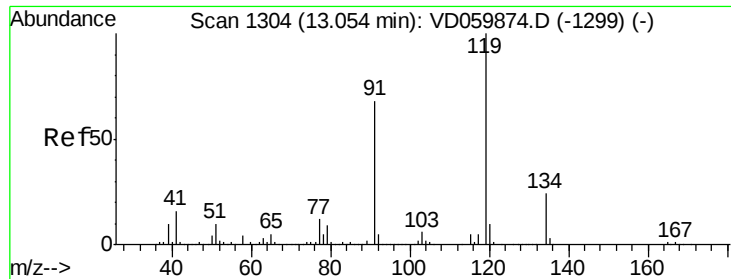
apatel
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#82
4-Chlorotoluene
Concen: 50.04 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	17.1	51.2





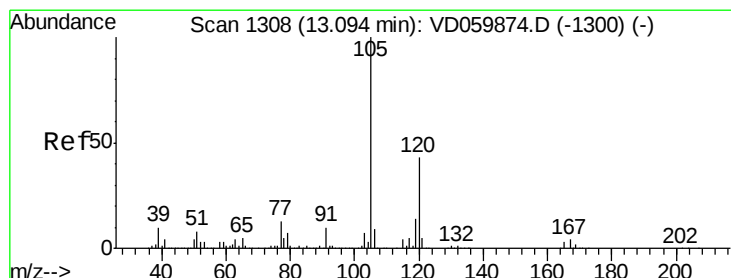
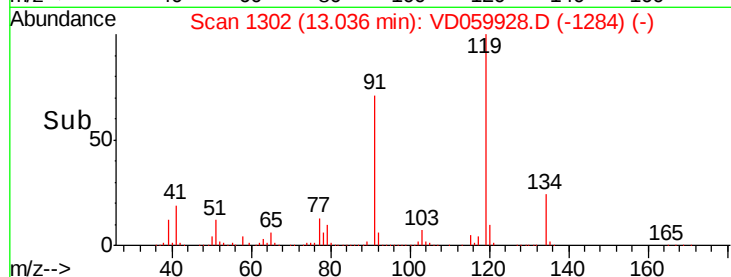
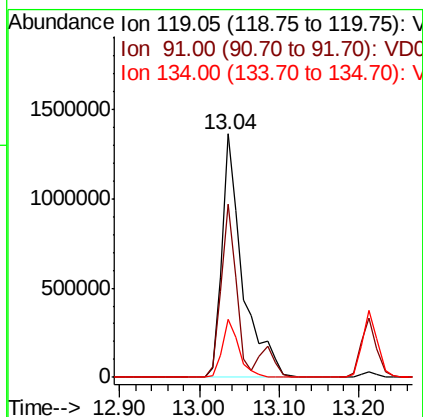
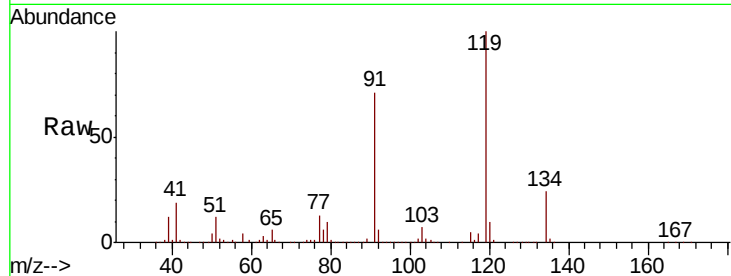
#83
tert-Butylbenzene
Concen: 54.03 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2495725
Ion Ratio Lower Upper
119 100
91 71.3 34.3 102.9
134 23.6 11.9 35.9

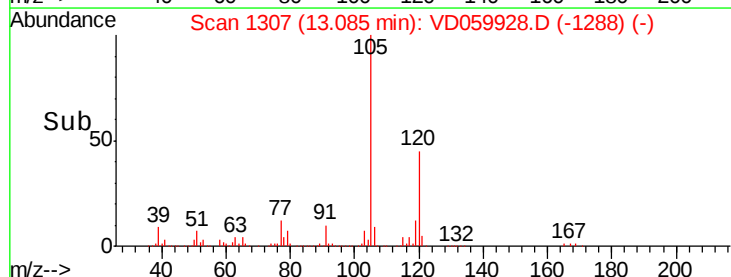
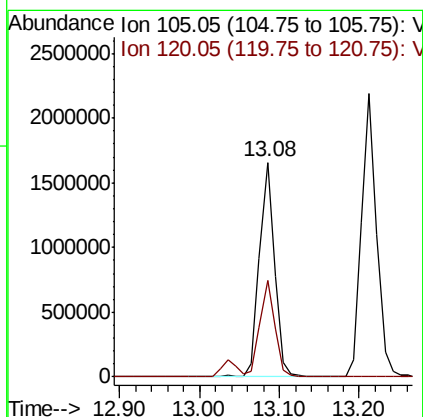
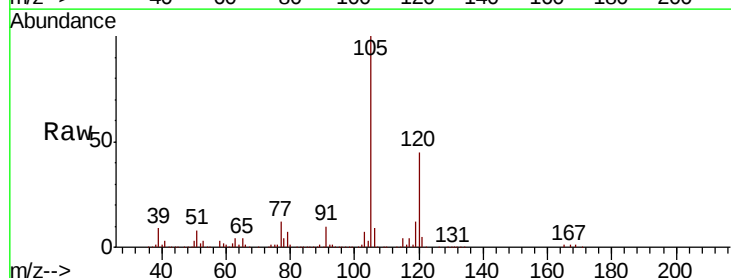
Manual Integrations
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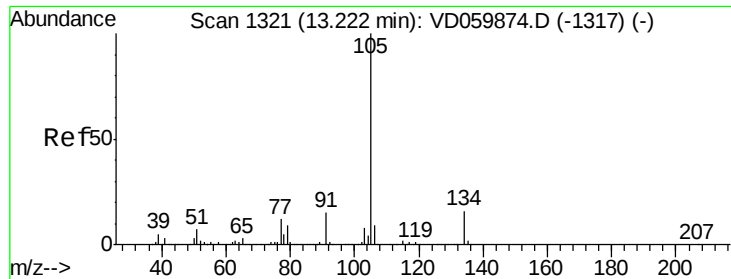
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 50.84 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion:105 Resp: 2148721
Ion Ratio Lower Upper
105 100
120 44.9 21.8 65.3





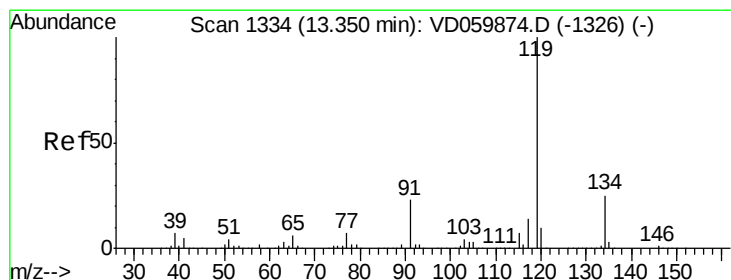
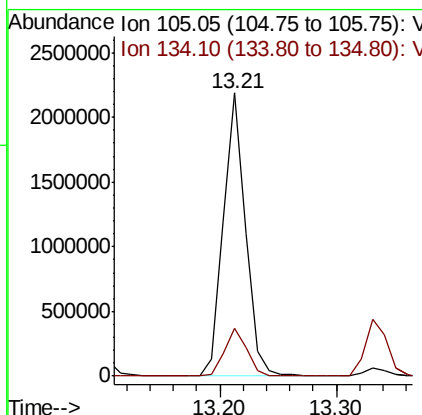
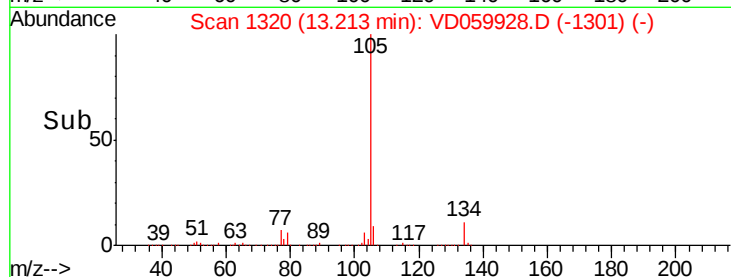
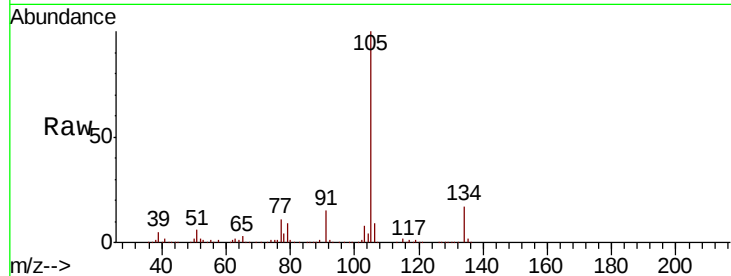
#85
 sec-Butylbenzene
 Concen: 53.15 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2886787
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.2 24.4

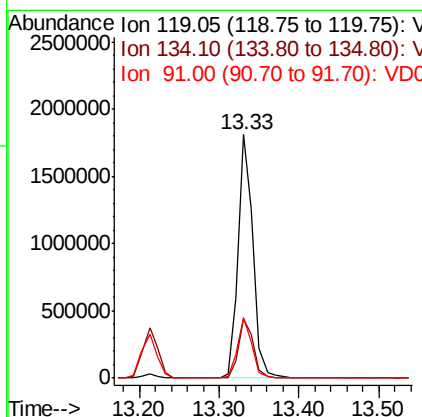
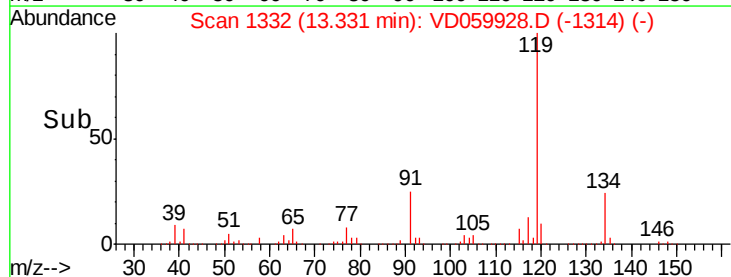
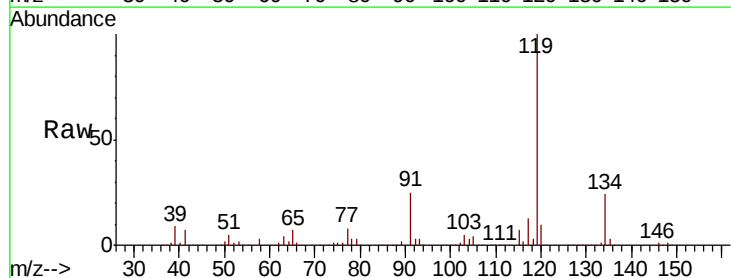
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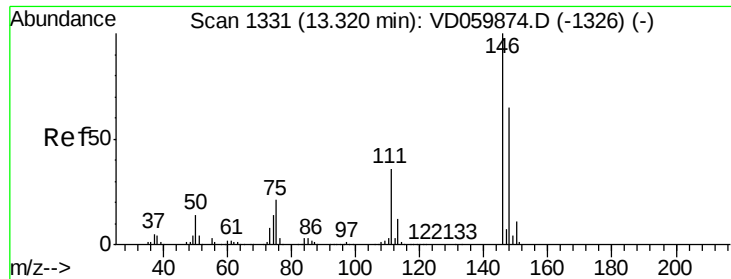
apatel
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#86
 p-Isopropyltoluene
 Concen: 53.47 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion:119 Resp: 2362202
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.7 38.1
 91 25.1 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 52.52 ug/l

RT: 13.30 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1325711

Ion Ratio Lower Upper

146 100

111 38.1 17.9 53.7

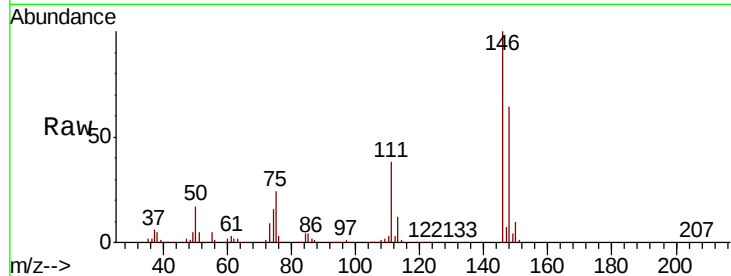
148 64.0 32.4 97.0

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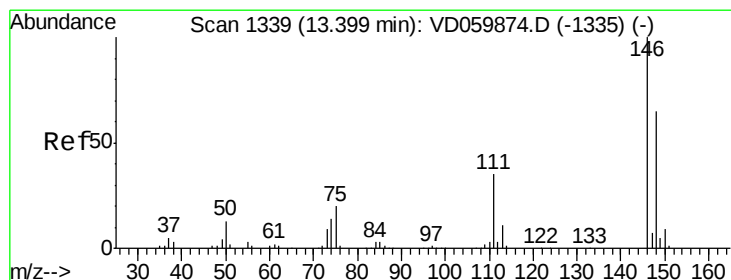
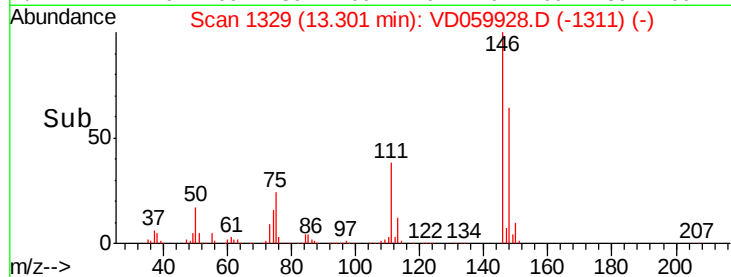
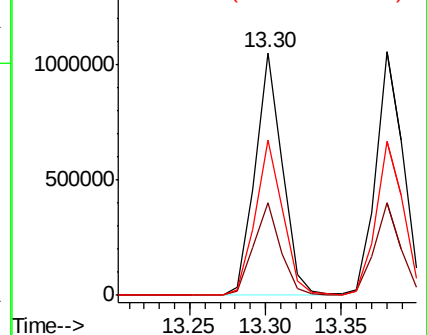
9/4/2018 10:48:48 AM



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.41 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

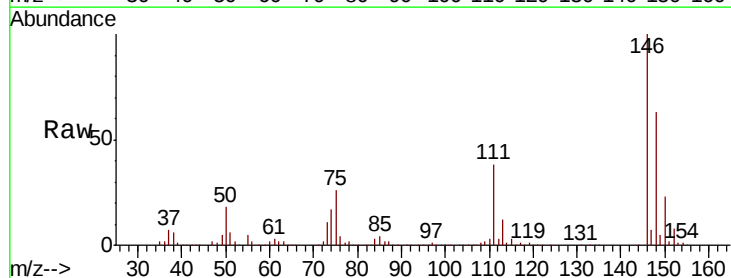
Tgt Ion:146 Resp: 1345109

Ion Ratio Lower Upper

146 100

111 37.8 17.5 52.6

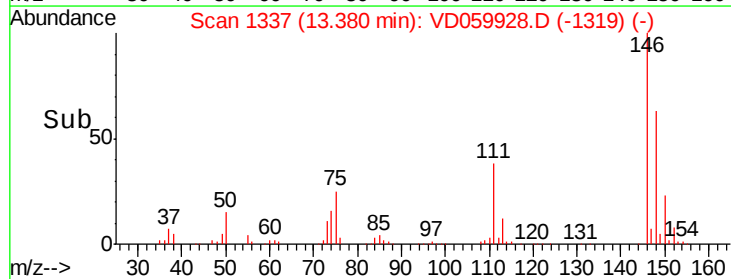
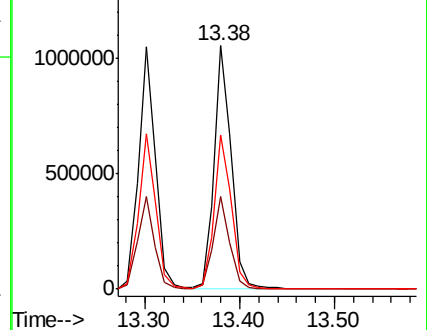
148 63.5 32.5 97.5

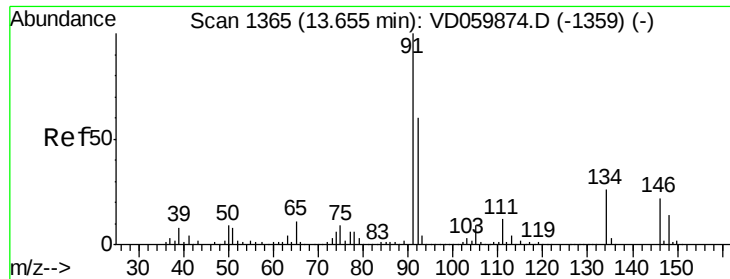


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





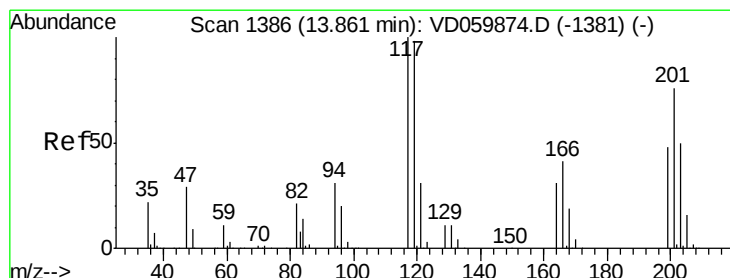
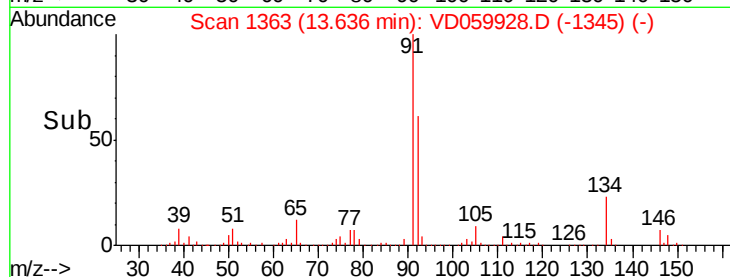
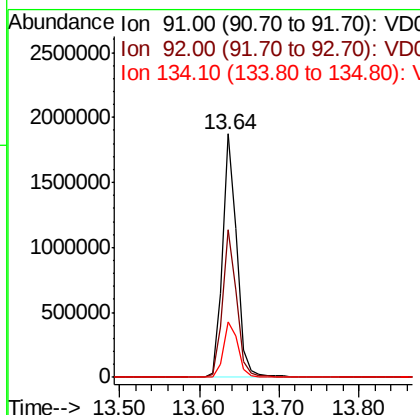
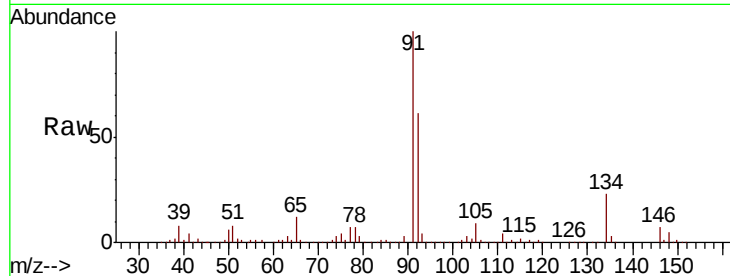
#89
n-Butylbenzene
Concen: 58.55 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2385140
Ion Ratio Lower Upper
91 100
92 60.7 30.0 90.1
134 22.7 12.8 38.4

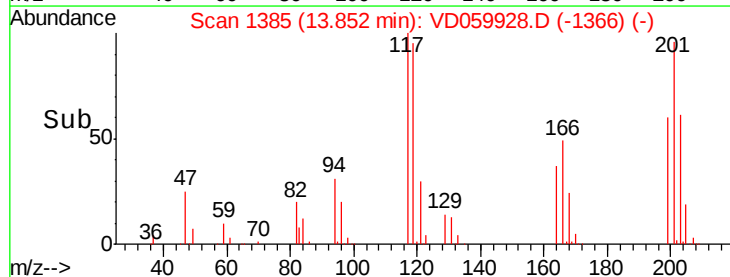
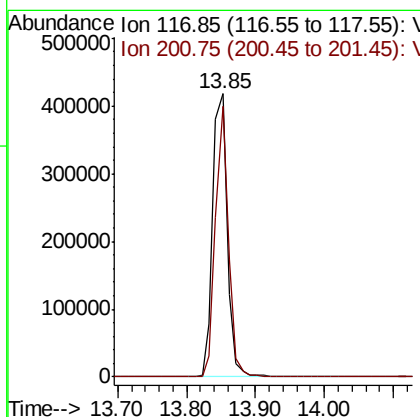
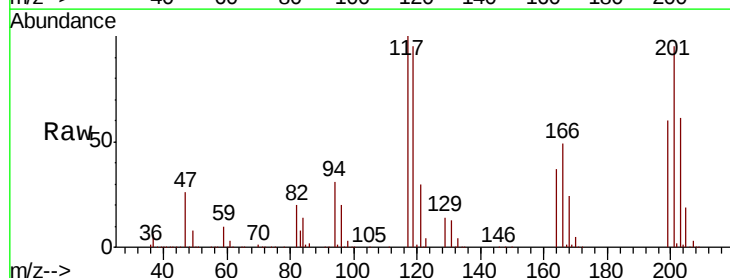
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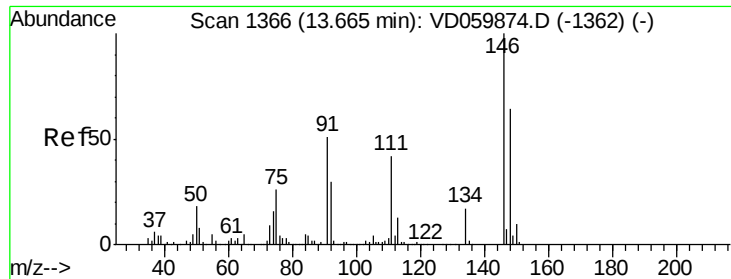
apatel
9/4/2018 10:48:48 AM



#90
Hexachloroethane
Concen: 51.99 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059928.D
Acq: 31 Aug 2018 11:11

Tgt Ion: 117 Resp: 616679
Ion Ratio Lower Upper
117 100
201 95.4 38.1 114.5





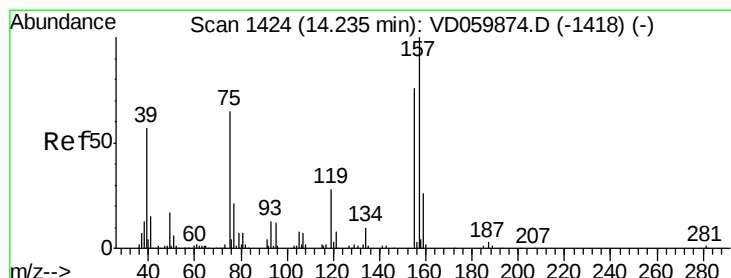
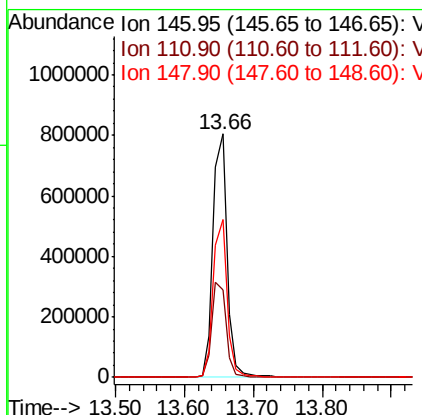
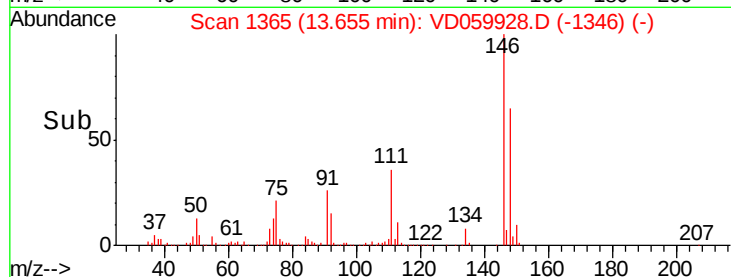
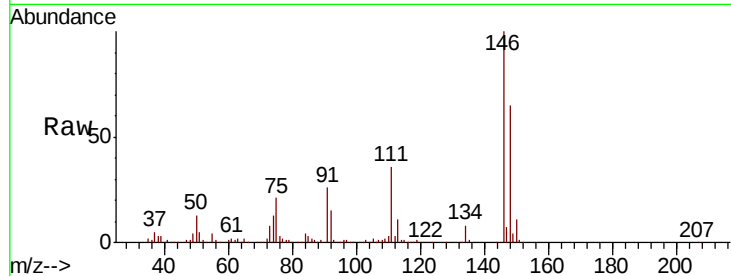
#91
 1,2-Dichlorobenzene
 Concen: 53.27 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1143440
 Ion Ratio Lower Upper
 146 100
 111 35.7 21.1 63.1
 148 65.0 32.2 96.6

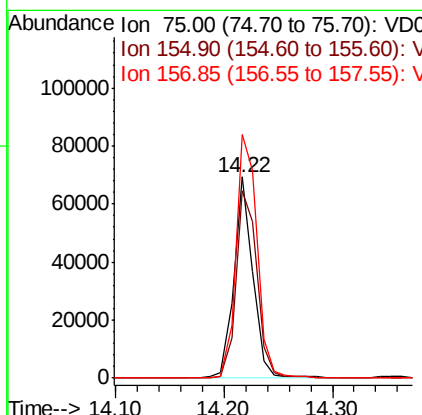
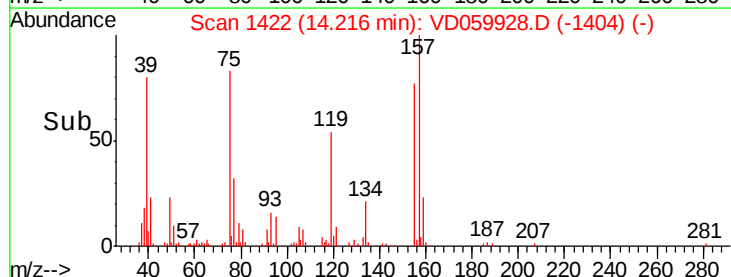
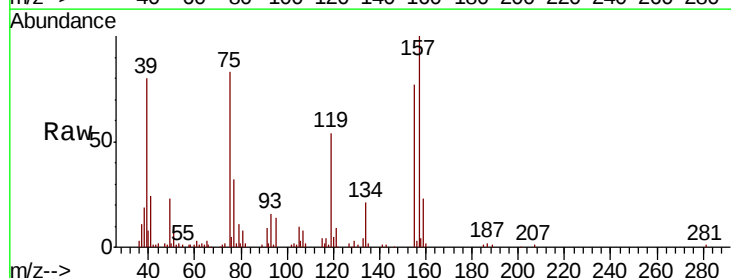
Manual Integrations
 APPROVED

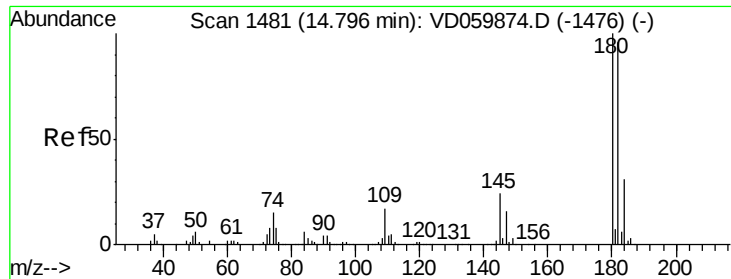
apatel
 9/4/2018 10:48:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.76 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion: 75 Resp: 84810
 Ion Ratio Lower Upper
 75 100
 155 93.4 58.2 174.6
 157 121.0 76.8 230.4





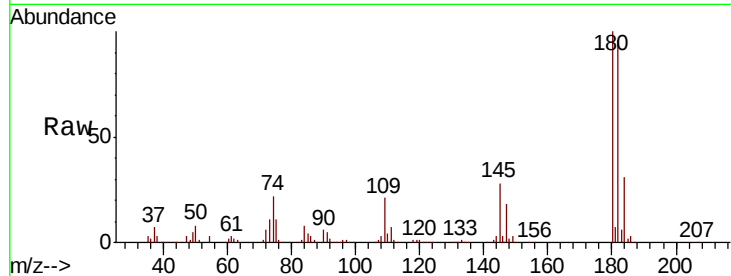
#93
 1,2,4-Trichlorobenzene
 Concen: 50.28 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.9	143.7	
145	27.7	12.2	36.4	

Manual Integrations
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 9/4/2018 10:48:48 AM

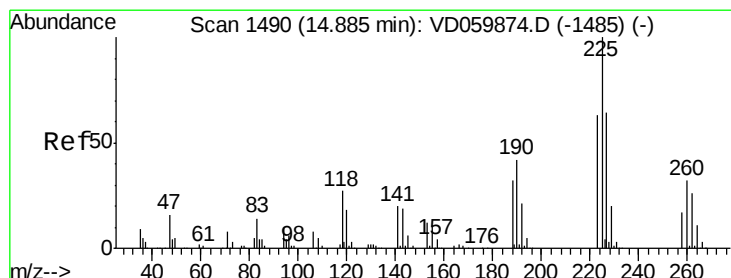
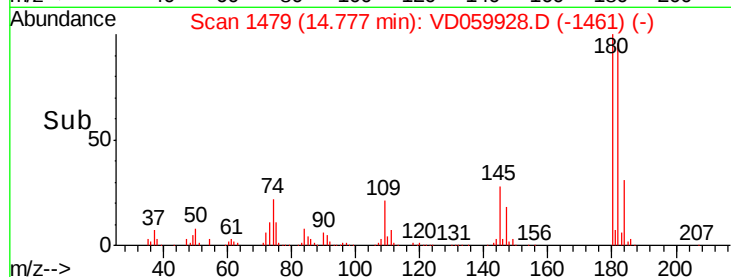
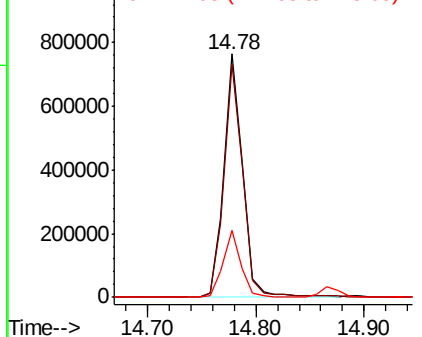


Abundance

Ion 179.85 (179.55 to 180.55): V

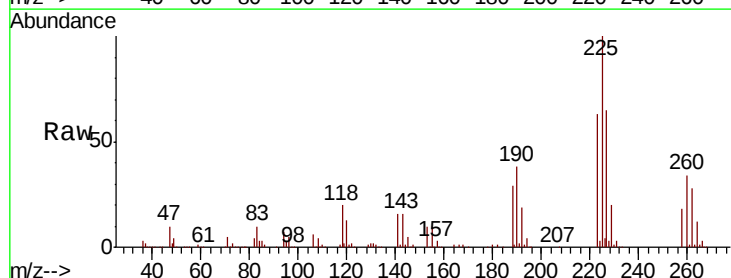
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 52.91 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059928.D
 Acq: 31 Aug 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	94.8	
227	65.0	32.0	96.0	

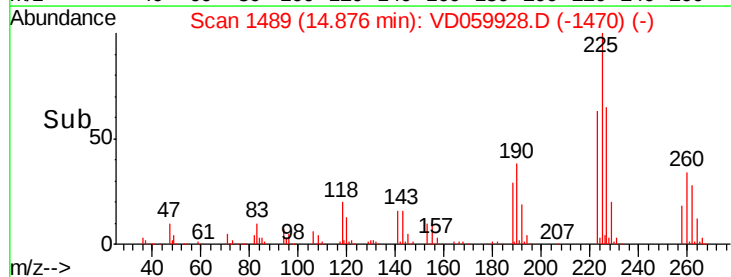
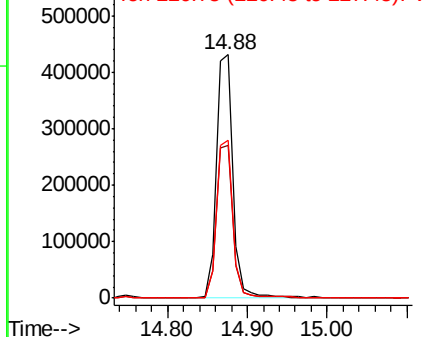


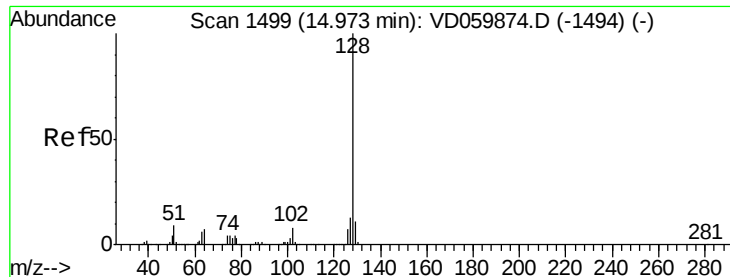
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 50.63 ug/l

RT: 14.95 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1421859

Ion Ratio Lower Upper

128 100

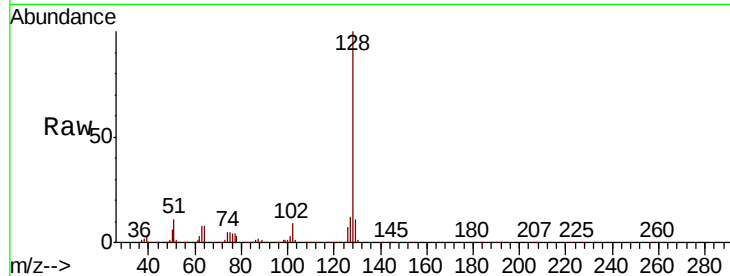
127 12.1 10.0 15.0

129 11.2 8.6 13.0

Manual Integrations
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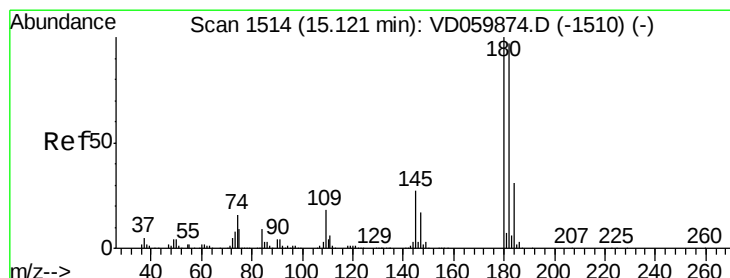
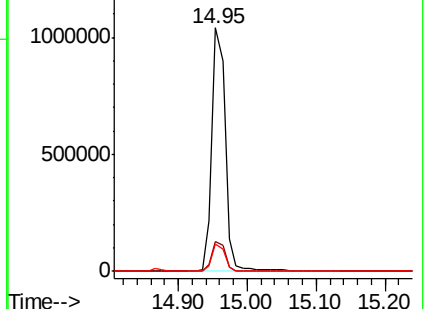
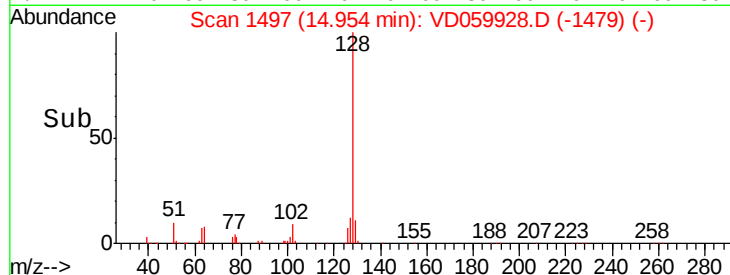
9/4/2018 10:48:48 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.28 ug/l

RT: 15.10 min Scan# 1512

Delta R.T. -0.02 min

Lab File: VD059928.D

Acq: 31 Aug 2018 11:11

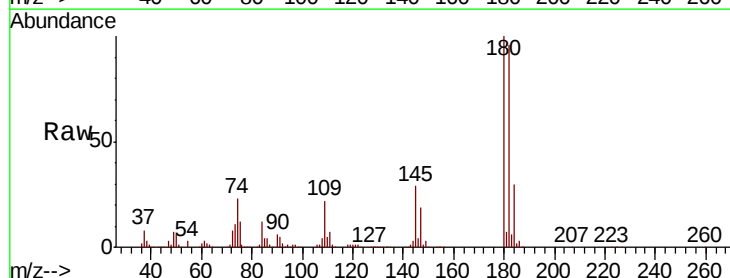
Tgt Ion:180 Resp: 790378

Ion Ratio Lower Upper

180 100

182 96.4 48.6 145.8

145 29.0 13.6 40.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

