

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059921.D
 Acq On : 30 Aug 2018 11:48
 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

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 8/31/2018 12:29:40 PM

Quant Time: Aug 30 18:08:19 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	6.39	168	1243549	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1710569	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1441646	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	745314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	536449	51.18	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	6.31	113	689437	51.41	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	9.45	98	1993103	53.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.42	95	788406	52.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	521857	46.95	ug/l	98
3) Chloromethane	1.75	50	456989	45.38	ug/l	99
4) Vinyl Chloride	1.84	62	388733	49.23	ug/l	98
5) Bromomethane	2.12	94	59529	43.67	ug/l	92
6) Chloroethane	2.24	64	122343	47.38	ug/l	99
7) Trichlorofluoromethane	2.49	101	469234	51.37	ug/l	100
8) Diethyl Ether	2.80	74	106314	51.88	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	295263	52.78	ug/l	98
10) Methyl Iodide	3.23	142	292499	49.14	ug/l	99
11) Tert butyl alcohol	3.95	59	214069	267.67	ug/l	98
12) 1,1-Dichloroethene	3.05	96	226052	51.91	ug/l	97
13) Acrolein	2.96	56	74336	214.31	ug/l	95
14) Allyl chloride	3.51	41	521352	52.92	ug/l	98
15) Acrylonitrile	4.06	53	797879	266.42	ug/l	100
16) Acetone	3.14	43	572075	299.59	ug/l	99
17) Carbon Disulfide	3.30	76	673639	49.83	ug/l	99
18) Methyl Acetate	3.53	43	216775	54.38	ug/l	100
19) Methyl tert-butyl Ether	4.10	73	1252136	50.82	ug/l	98
20) Methylene Chloride	3.70	84	751261	59.66	ug/l	95
21) trans-1,2-Dichloroethene	4.07	96	612379	51.04	ug/l	98
22) Diisopropyl ether	4.84	45	2585378	51.45	ug/l	96
23) Vinyl Acetate	4.78	43	7427630	264.43	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1112716	51.26	ug/l	99
25) 2-Butanone	5.61	43	1603318	283.50	ug/l	97
26) 2,2-Dichloropropane	5.57	77	916613	50.51	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	688939	52.44	ug/l	94
28) Bromochloromethane	5.90	49	530450	50.99	ug/l	95
29) Tetrahydrofuran	5.93	42	702357	260.86	ug/l	98
30) Chloroform	6.08	83	1113125	50.46	ug/l	97
31) Cyclohexane	6.35	56	949245	47.57	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	941030	50.26	ug/l	99
36) 1,1-Dichloropropene	6.50	75	810789	52.29	ug/l	98
37) Ethyl Acetate	5.69	43	652913	54.11	ug/l	97
38) Carbon Tetrachloride	6.48	117	817711	52.25	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	892261	53.26	µg/l	99
40) Benzene	6.78	78	2147385	53.26	µg/l	99
41) Methacrylonitrile	5.91	41	303283m	49.90	µg/l	
42) 1,2-Dichloroethane	6.88	62	682543	52.73	µg/l	99
43) Isopropyl Acetate	8.33	43	839538	53.48	µg/l	100
44) Trichloroethene	7.72	130	633746	53.38	µg/l	97
45) 1,2-Dichloropropane	8.09	63	602629	53.47	µg/l	97
46) Dibromomethane	8.21	93	383663	52.94	µg/l	92
47) Bromodichloromethane	8.48	83	859207	52.37	µg/l	99
48) Methyl methacrylate	8.24	41	478897	52.33	µg/l	99
49) 1,4-Dioxane	8.22	88	90692	1110.09	µg/l #	89
51) 4-Methyl-2-Pentanone	9.34	43	3326137	284.21	µg/l	100
52) Toluene	9.53	92	1376086	53.22	µg/l	98
53) t-1,3-Dichloropropene	9.91	75	817650	53.89	µg/l	99
54) cis-1,3-Dichloropropene	9.09	75	950821	54.05	µg/l	98
55) 1,1,2-Trichloroethane	10.17	97	481069	50.90	µg/l	98
56) Ethyl methacrylate	10.03	69	589278	54.03	µg/l	97
57) 1,3-Dichloropropane	10.37	76	746545	54.58	µg/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1470652	281.07	µg/l	97
59) 2-Hexanone	10.48	43	2445641	283.32	µg/l	100
60) Dibromochloromethane	10.64	129	640275	53.90	µg/l	99
61) 1,2-Dibromoethane	10.75	107	520326	54.45	µg/l	98
64) Tetrachloroethene	10.24	164	596437	53.51	µg/l	98
65) Chlorobenzene	11.31	112	1518785	53.02	µg/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	547534	52.31	µg/l	100
67) Ethyl Benzene	11.42	91	2506744	52.01	µg/l	98
68) m/p-Xylenes	11.56	106	1867495	106.42	µg/l	96
69) o-Xylene	11.93	106	924849	53.89	µg/l	98
70) Styrene	11.96	104	1597351	53.75	µg/l	98
71) Bromoform	12.11	173	488485	53.94	µg/l #	97
73) Isopropylbenzene	12.27	105	2528033	53.14	µg/l	98
74) N-amyl acetate	12.13	43	1069265	51.33	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	612869	55.69	µg/l	99
76) 1,2,3-Trichloropropane	12.59	75	633405	54.68	µg/l	100
77) Bromobenzene	12.54	156	737572	55.92	µg/l	91
78) n-propylbenzene	12.63	91	3176715	52.73	µg/l	98
79) 2-Chlorotoluene	12.70	91	1771418	51.99	µg/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1916098	50.66	µg/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	186007	51.62	µg/l	93
82) 4-Chlorotoluene	12.80	91	1972678	50.76	µg/l	92
83) tert-Butylbenzene	13.05	119	2318567	53.81	µg/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2102934	53.34	µg/l	100
85) sec-Butylbenzene	13.21	105	2696161	53.21	µg/l	99
86) p-Isopropyltoluene	13.34	119	2202606	53.45	µg/l	99
87) 1,3-Dichlorobenzene	13.30	146	1260521	53.53	µg/l	96
88) 1,4-Dichlorobenzene	13.39	146	1265193	53.85	µg/l	99
89) n-Butylbenzene	13.64	91	2174684	56.85	µg/l	97
90) Hexachloroethane	13.85	117	572799	51.77	µg/l	91
91) 1,2-Dichlorobenzene	13.66	146	1085798	54.22	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	89611	52.96	µg/l	66

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VSTDCCC050

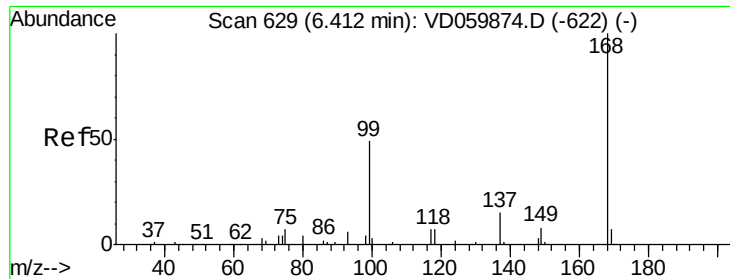
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	934492	54.51	ug/l	97
94) Hexachlorobutadiene	14.88	225	615592	54.77	ug/l	98
95) Naphthalene	14.97	128	1418565	54.14	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	788238	53.76	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1243549

Ion Ratio Lower Upper

168 100

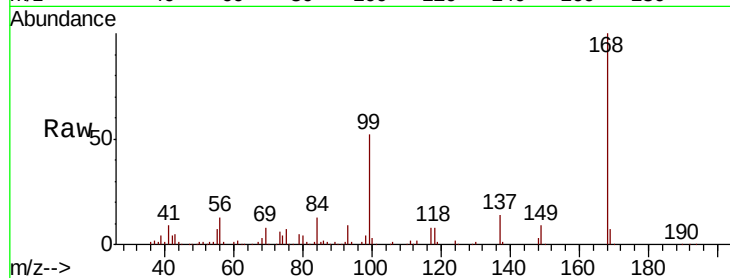
99 52.0 42.2 63.2

Manual Integrations

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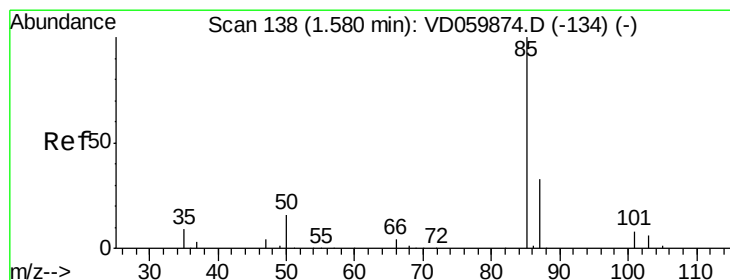
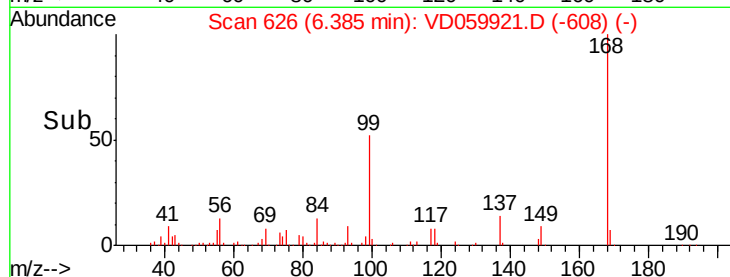
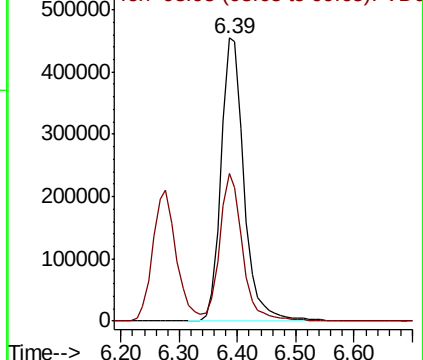
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.95 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059921.D

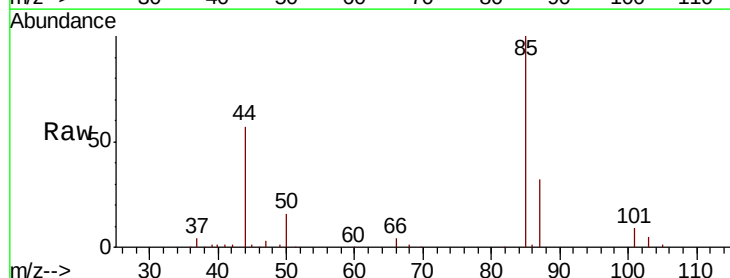
Acq: 30 Aug 2018 11:48

Tgt Ion: 85 Resp: 521857

Ion Ratio Lower Upper

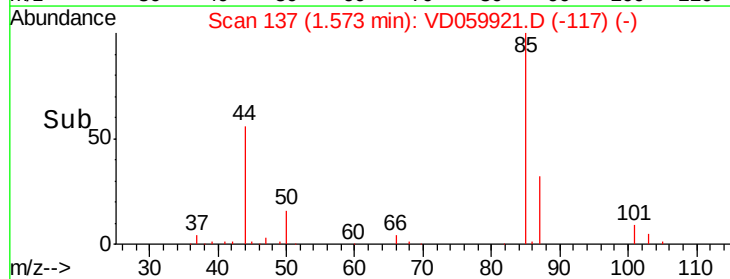
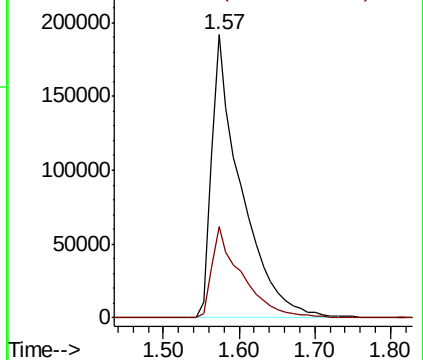
85 100

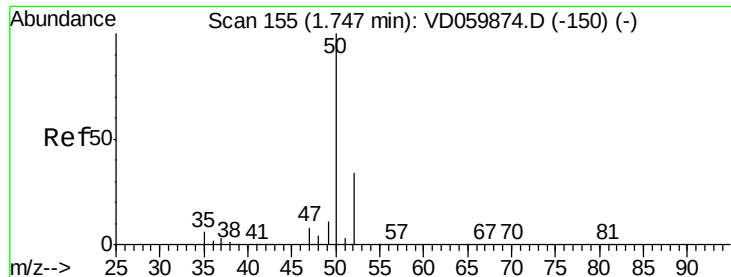
87 32.2 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.38 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 456989

Ion Ratio Lower Upper

50 100

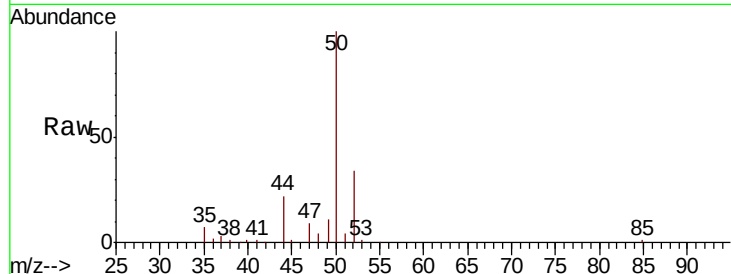
52 34.2 27.0 40.6

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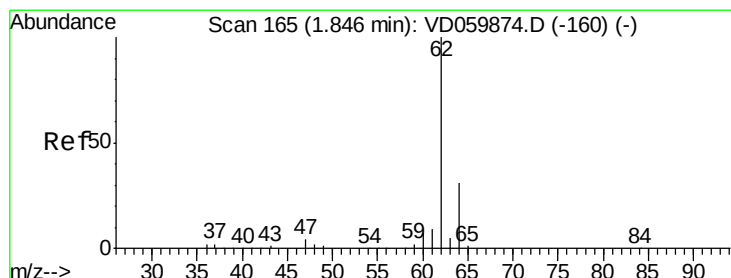
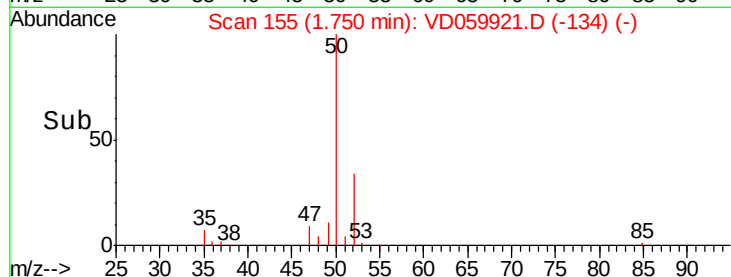
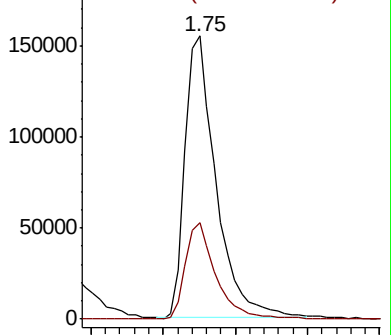
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.23 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059921.D

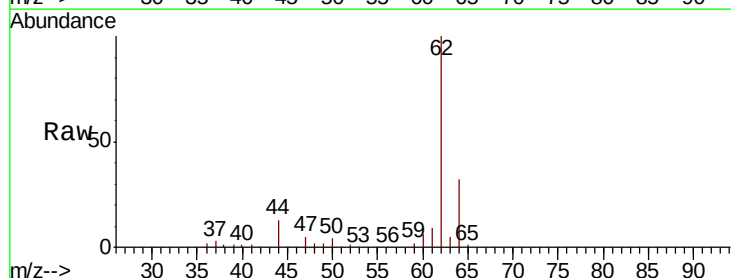
Acq: 30 Aug 2018 11:48

Tgt Ion: 62 Resp: 388733

Ion Ratio Lower Upper

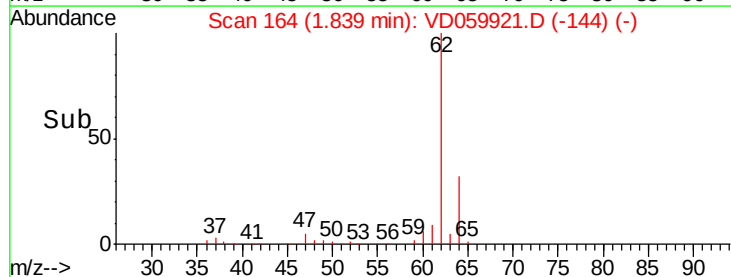
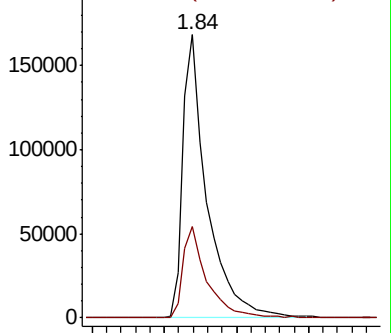
62 100

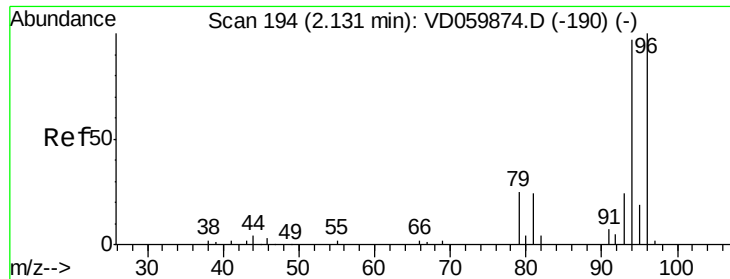
64 32.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.67 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tot Ion: 94 Resp: 59529

Ion Ratio Lower Upper

94 100

96 94.6 82.4 123.6

Instrument :

MSVOA_D

ClientSampleId :

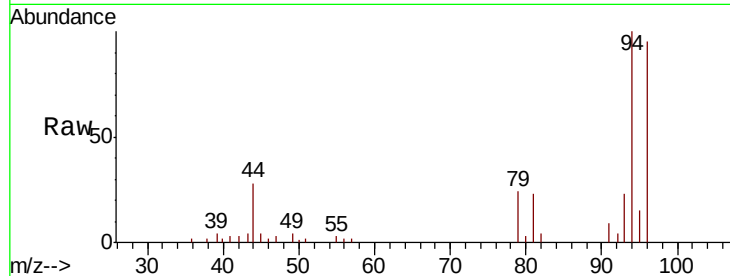
VSTDCCC050

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

25000

20000

15000

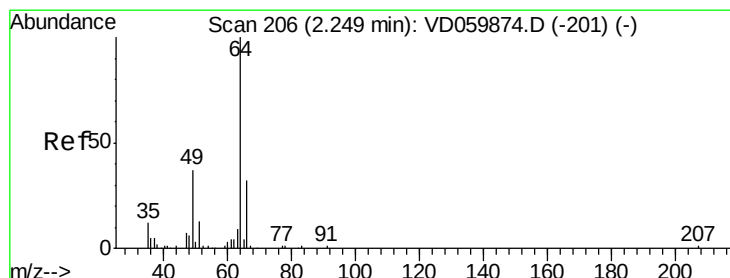
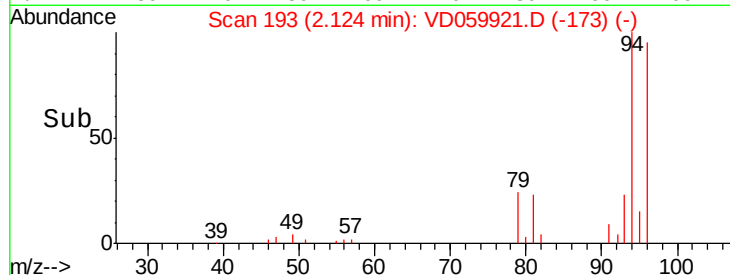
10000

5000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 47.38 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059921.D

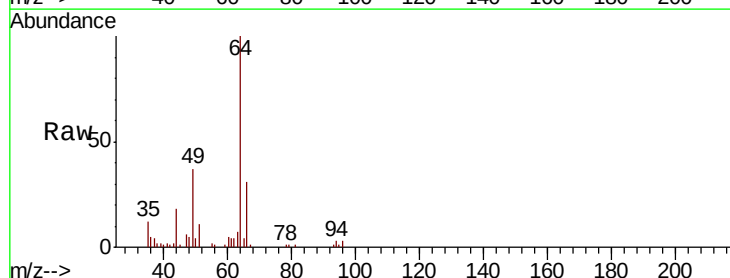
Acq: 30 Aug 2018 11:48

Tgt Ion: 64 Resp: 122343

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

50000

40000

30000

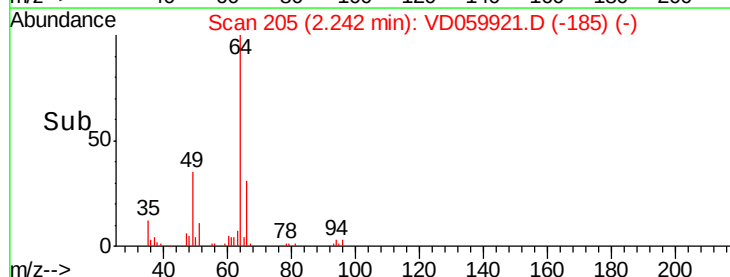
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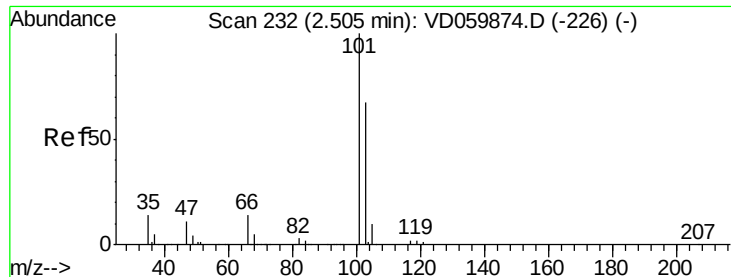
10000

0

Time-->

2.10 2.20 2.30 2.40





#7

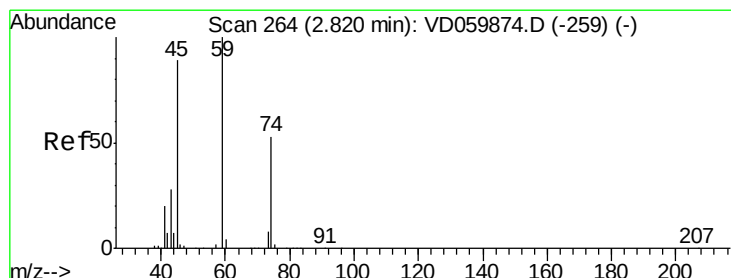
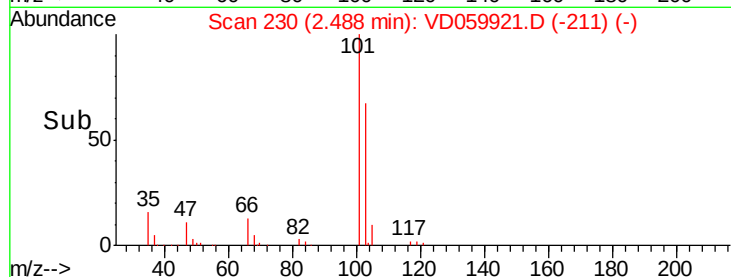
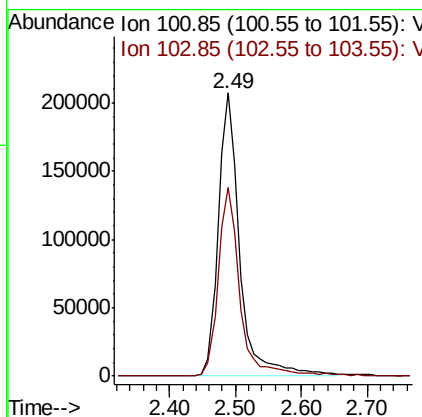
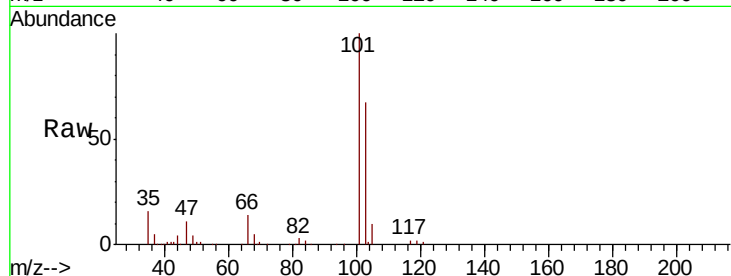
Trichlorofluoromethane
 Concen: 51.37 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	469234		
103	66.7	53.7	80.5	

Manual Integrations
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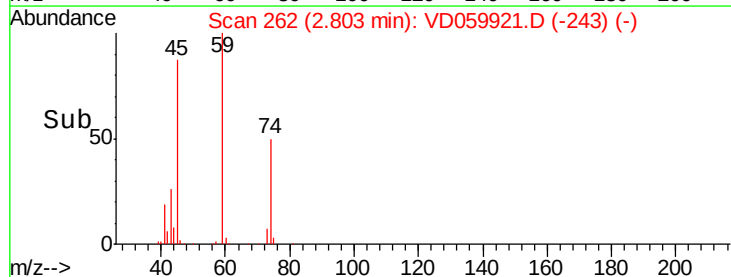
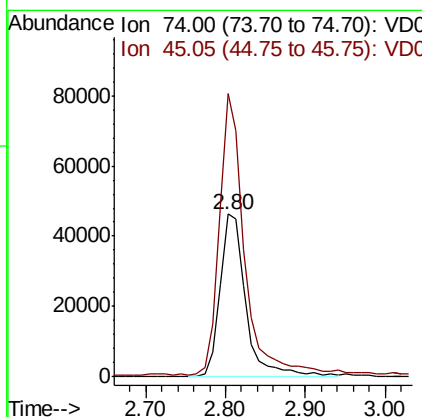
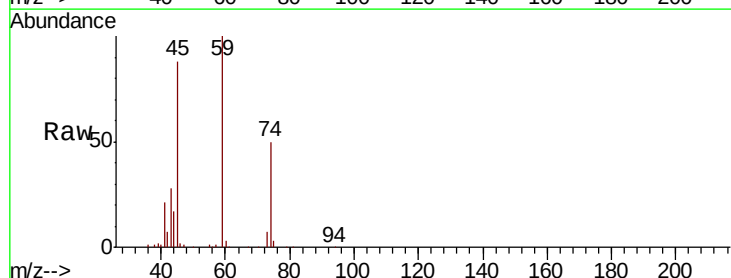
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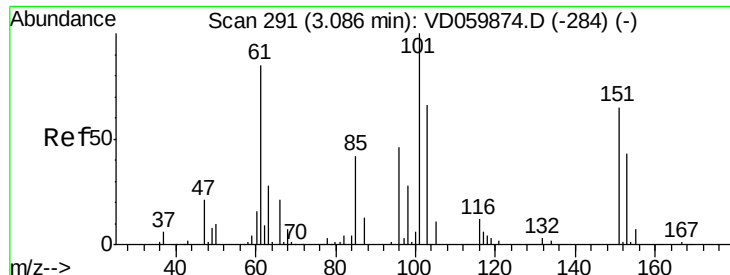


#8

Diethyl Ether
 Concen: 51.88 ug/l
 RT: 2.80 min Scan# 262
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	106314		
45	174.1	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.78 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

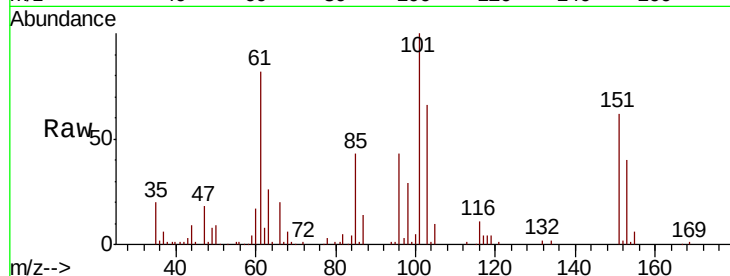
ClientSampleId :

VSTDCCC050

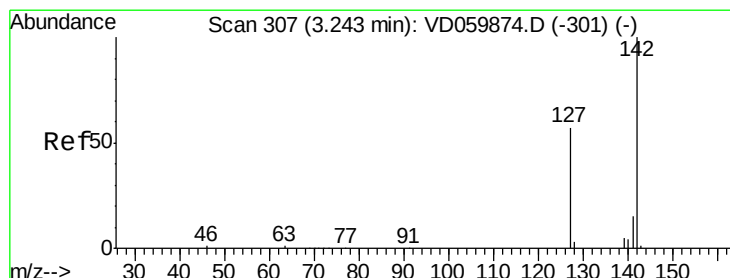
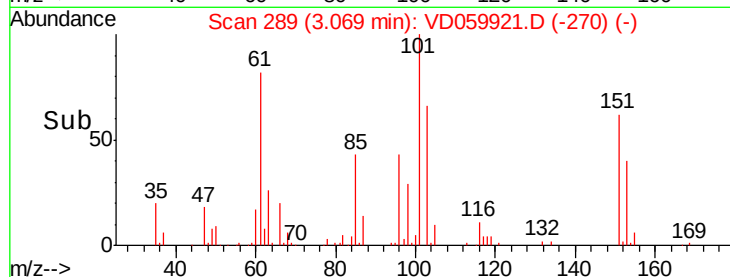
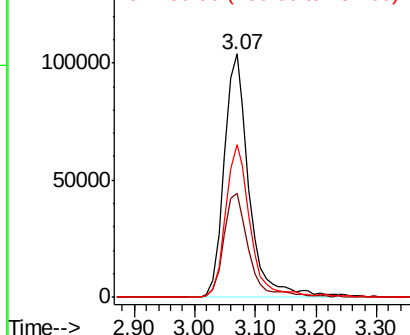
Tot Ion:	101	Resp:	295263
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.6	50.4
151	62.5	52.0	78.0

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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: 49.14 ug/l

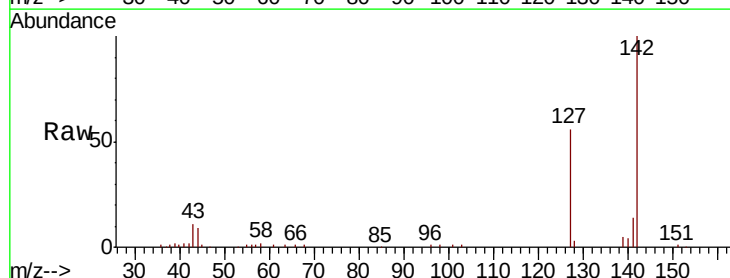
RT: 3.23 min Scan# 305

Delta R.T. -0.02 min

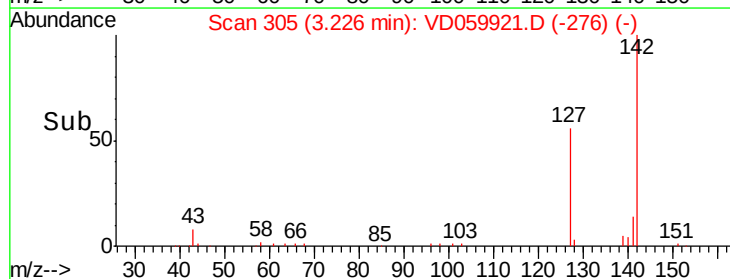
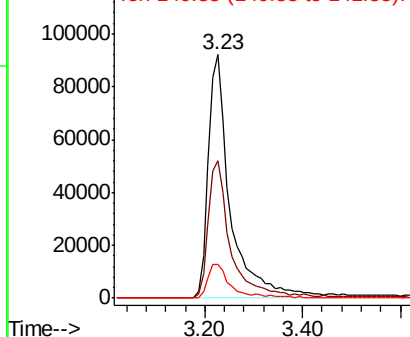
Lab File: VD059921.D

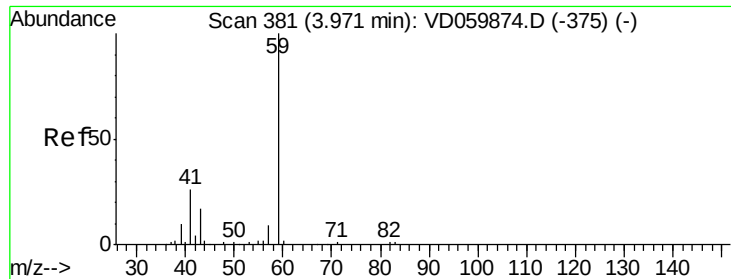
Acq: 30 Aug 2018 11:48

Tgt Ion:	142	Resp:	292499
Ion Ratio	Lower	Upper	
142	100		
127	56.5	45.8	68.6
141	14.1	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





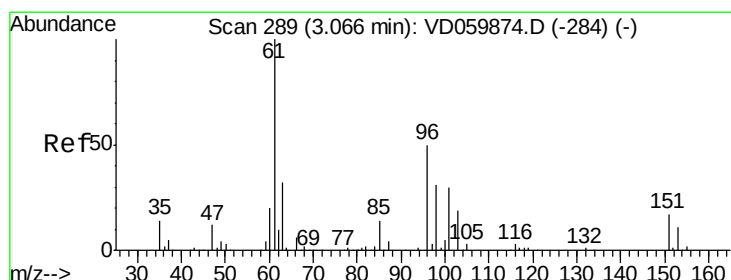
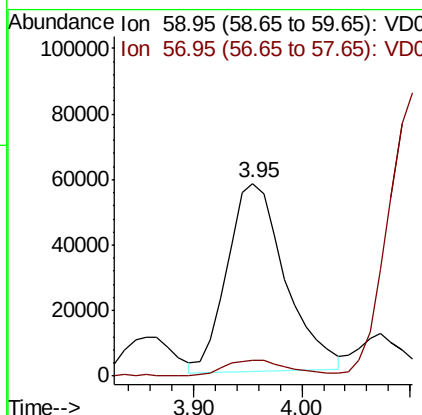
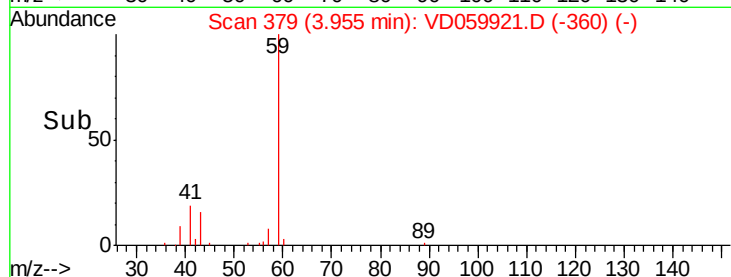
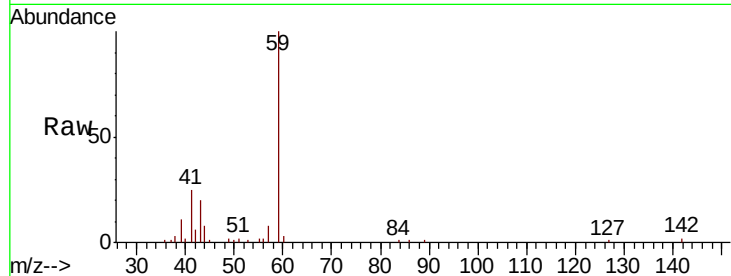
#11
Tert butyl alcohol
Concen: 267.67 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	214069
Ion Ratio	100	Lower	Upper
57	8.5	7.4	11.0

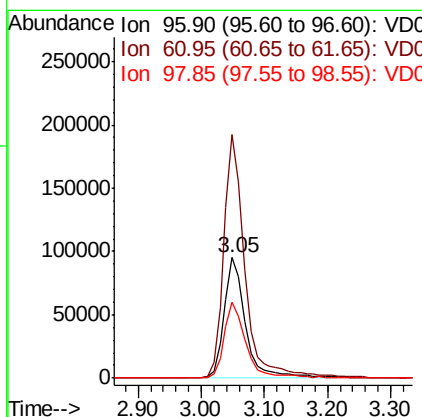
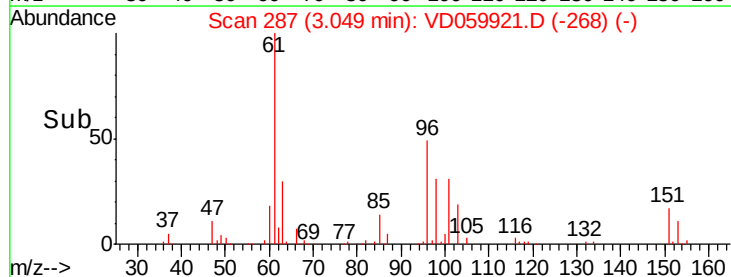
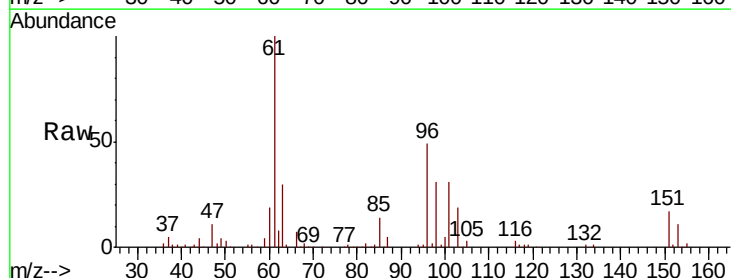
Manual Integrations
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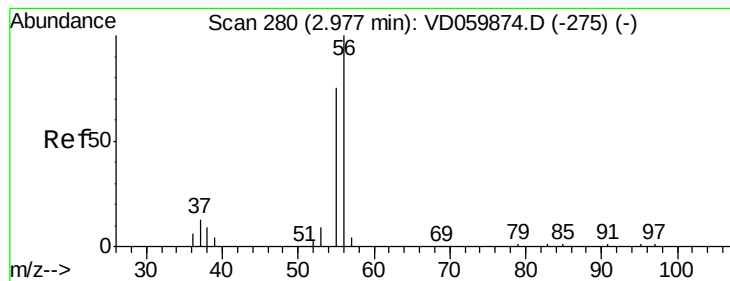
apatel
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#12
1,1-Dichloroethene
Concen: 51.91 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	96	Resp	226052
Ion Ratio	100	Lower	Upper
61	202.1	158.8	238.2
98	63.5	48.7	73.1





#13

Acrolein

Concen: 214.31 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 74336

Ion Ratio Lower Upper

56 100

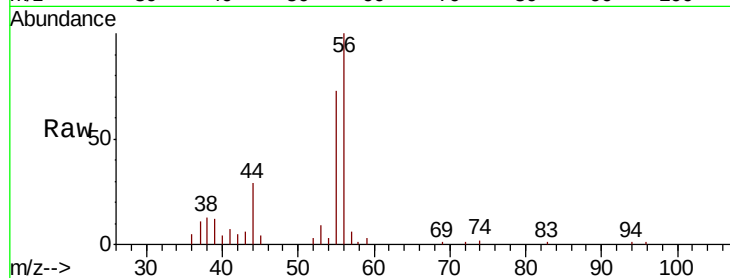
55 73.3 61.9 92.9

Manual Integrations

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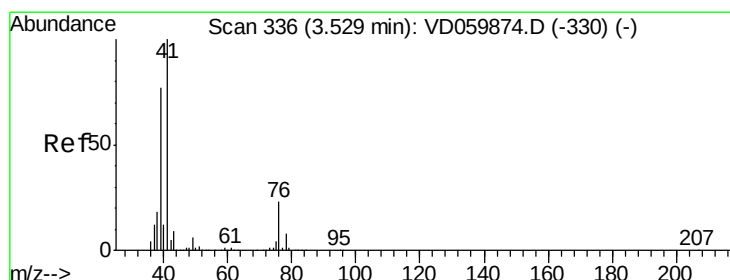
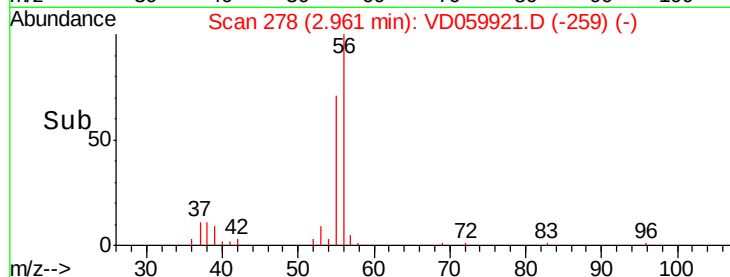
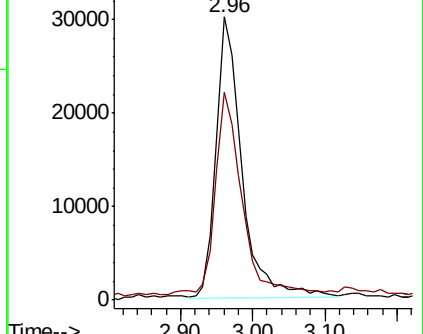
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.92 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

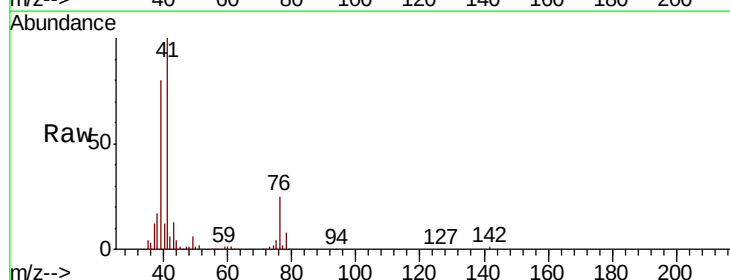
Tgt Ion: 41 Resp: 521352

Ion Ratio Lower Upper

41 100

39 79.8 61.8 92.6

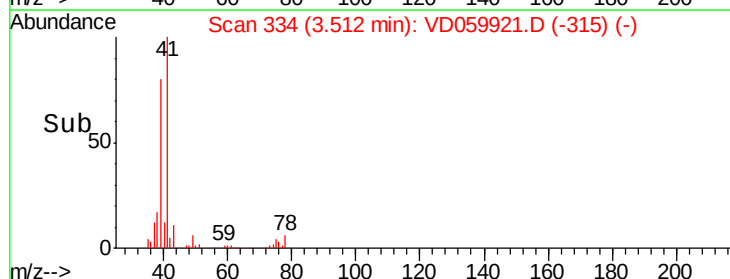
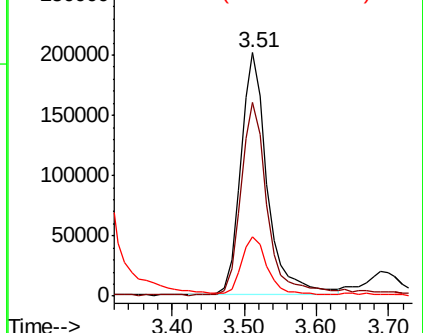
76 24.6 19.4 29.2

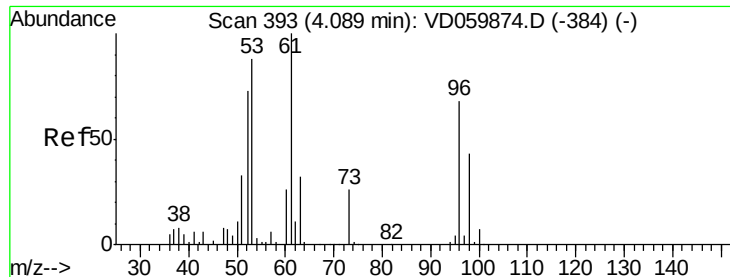


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 266.42 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

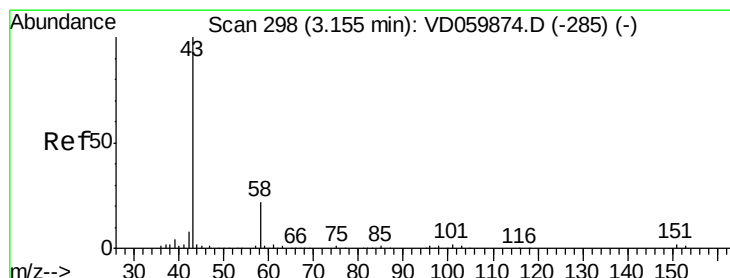
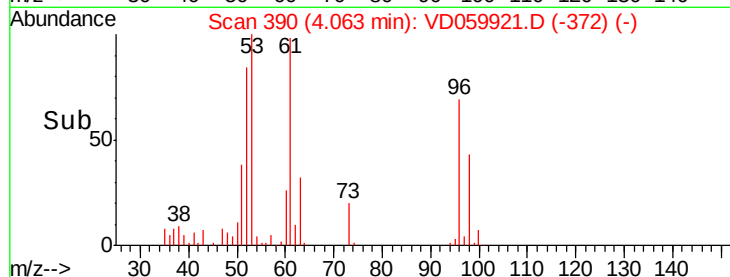
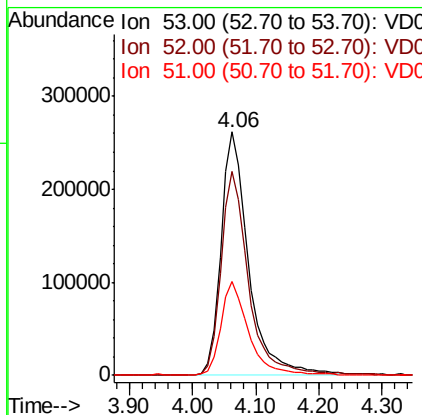
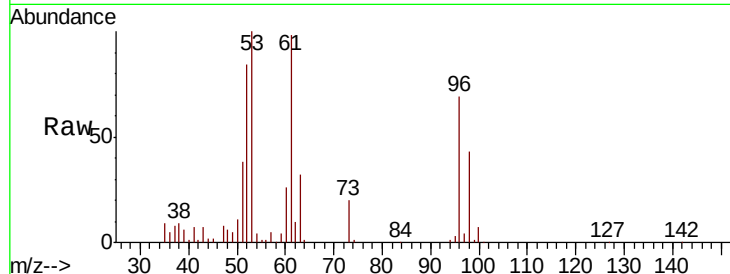
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	797879
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.9	100.3
51	38.4	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 299.59 ug/l

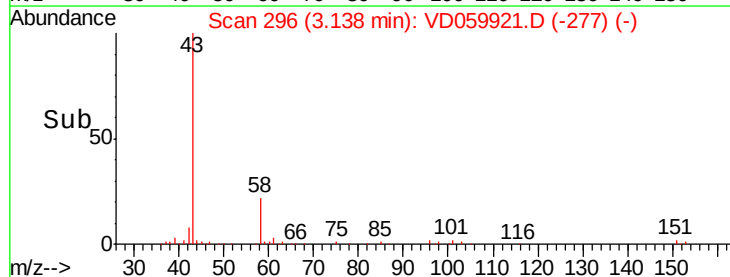
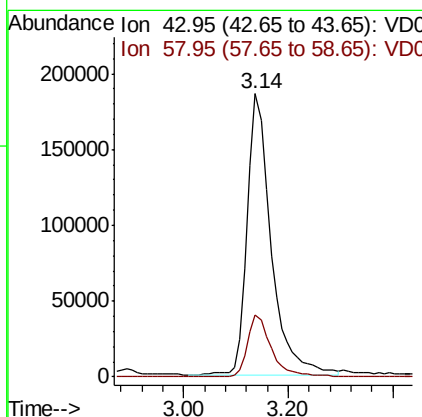
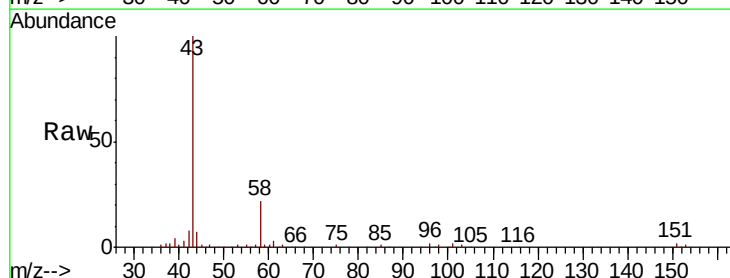
RT: 3.14 min Scan# 296

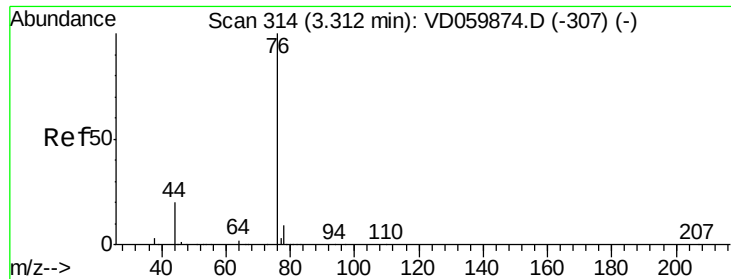
Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion:	43	Resp:	572075
Ion Ratio	Lower	Upper	
43	100		
58	21.7	17.6	26.4





#17

Carbon Disulfide

Concen: 49.83 ug/l

RT: 3.30 min Scan# 312

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 673639

Ion Ratio Lower Upper

76 100

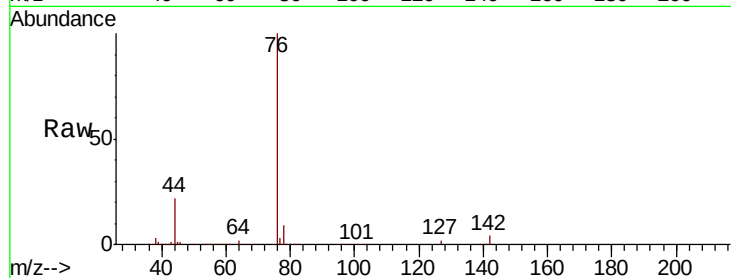
78 9.0 7.4 11.2

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.30

250000

200000

150000

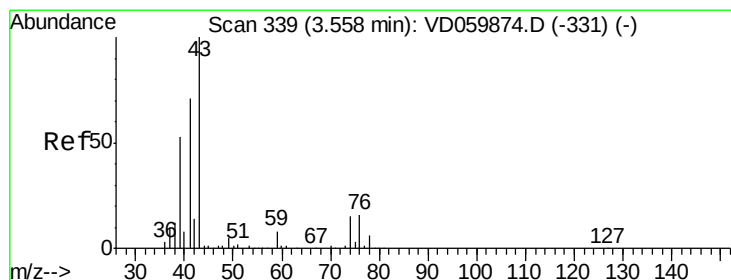
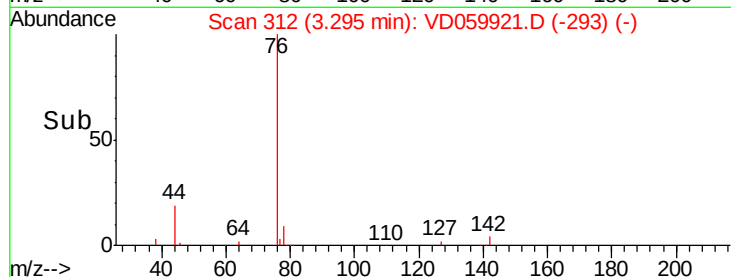
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 54.38 ug/l

RT: 3.53 min Scan# 336

Delta R.T. -0.03 min

Lab File: VD059921.D

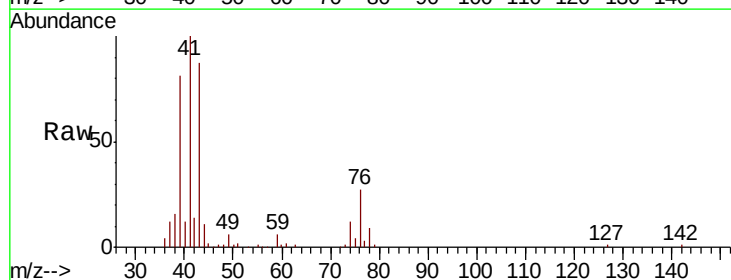
Acq: 30 Aug 2018 11:48

Tgt Ion: 43 Resp: 216775

Ion Ratio Lower Upper

43 100

74 14.1 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.53

80000

60000

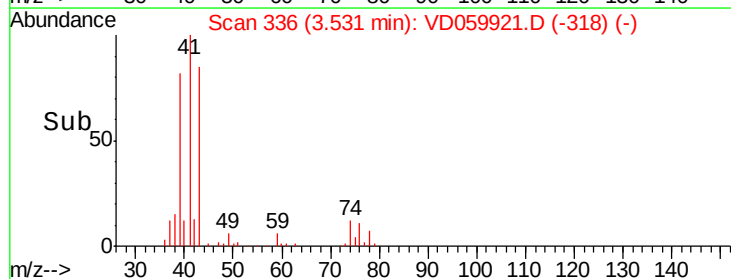
40000

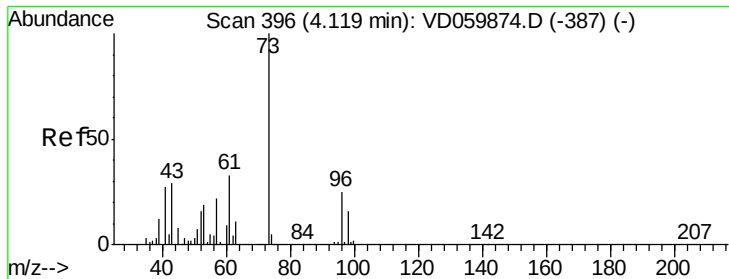
20000

0

3.40 3.50 3.60

Time-->





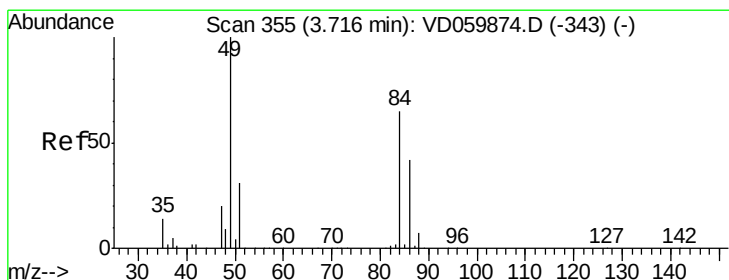
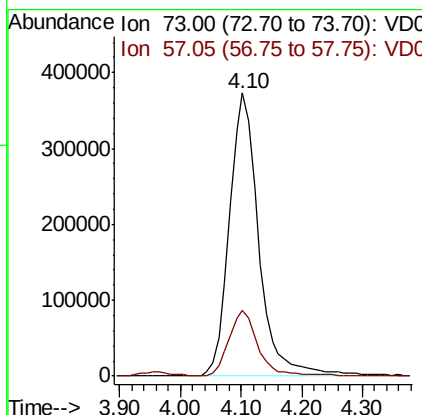
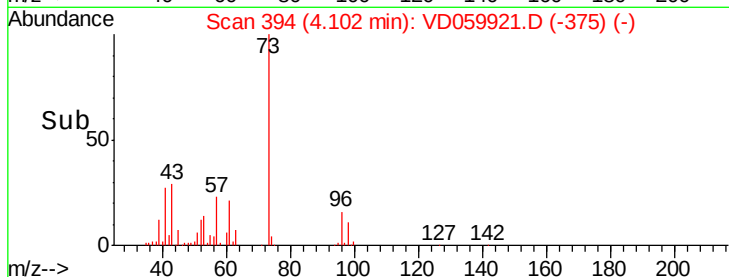
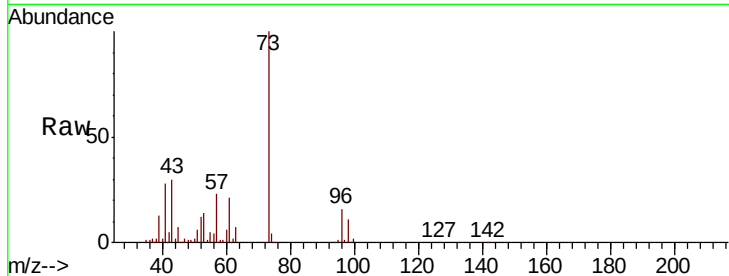
#19
Methyl tert-butyl Ether
Concen: 50.82 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1252136
Ion Ratio Lower Upper
73 100
57 23.2 17.9 26.9

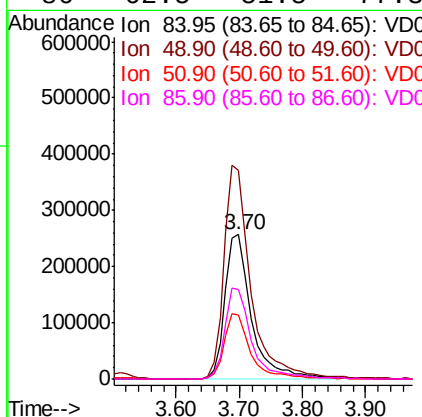
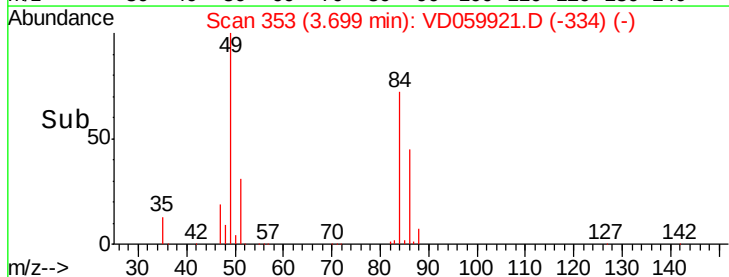
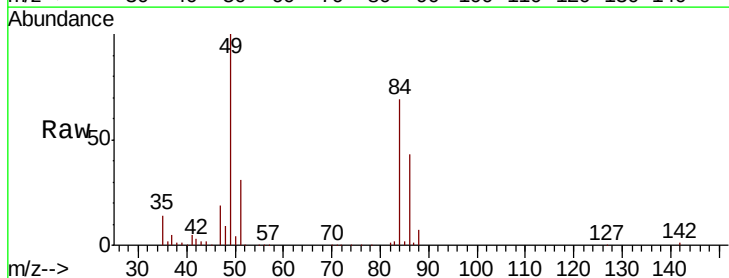
Manual Integrations
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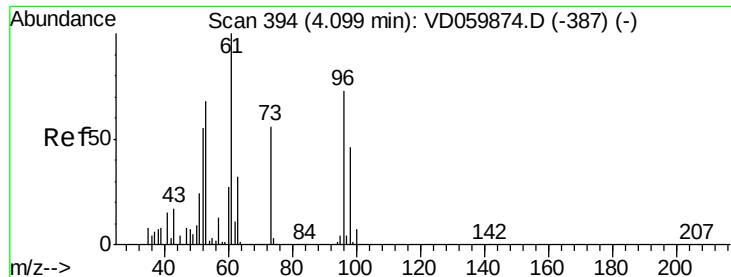
apatel
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#20
Methylene Chloride
Concen: 59.66 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion: 84 Resp: 751261
Ion Ratio Lower Upper
84 100
49 144.4 122.6 183.8
51 44.6 38.4 57.6
86 62.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 51.04 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

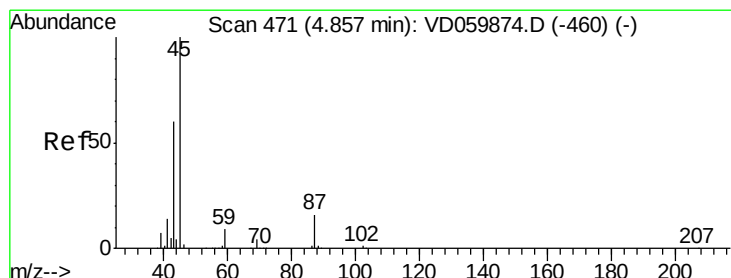
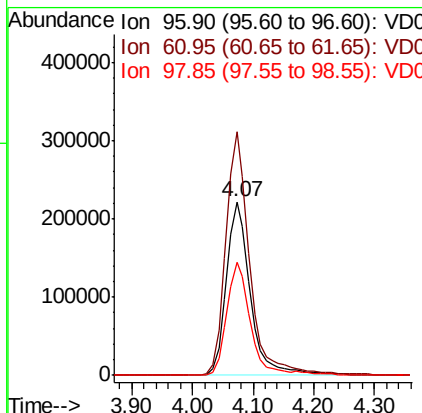
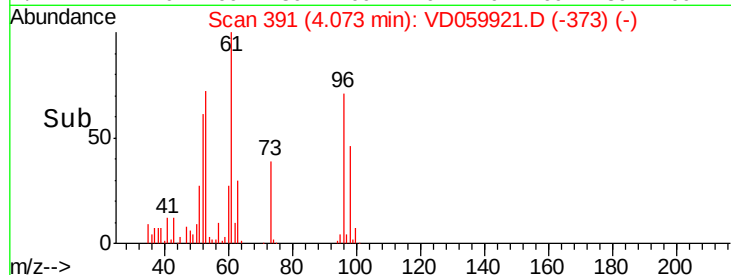
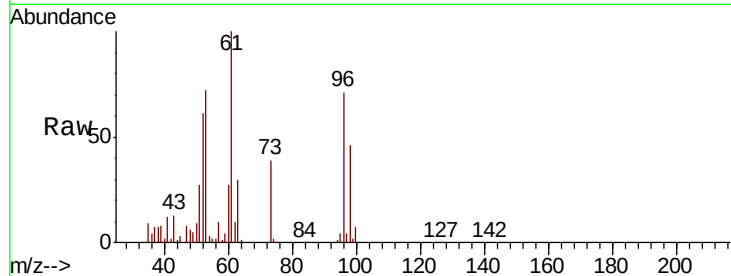
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	612379
Ion	Ratio	Lower	Upper
96	100		
61	140.0	110.2	165.4
98	64.8	50.9	76.3

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#22

Diisopropyl ether

Concen: 51.45 ug/l

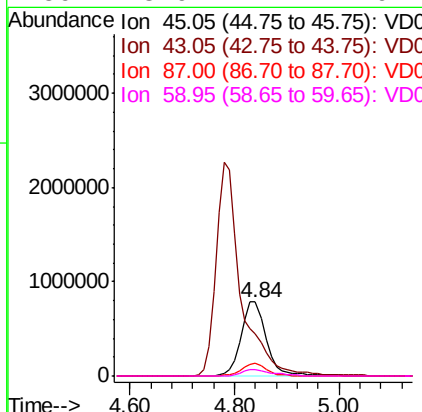
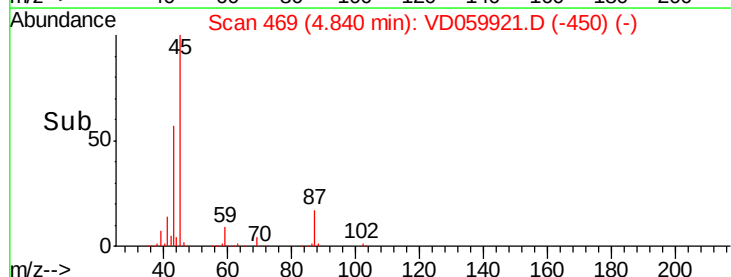
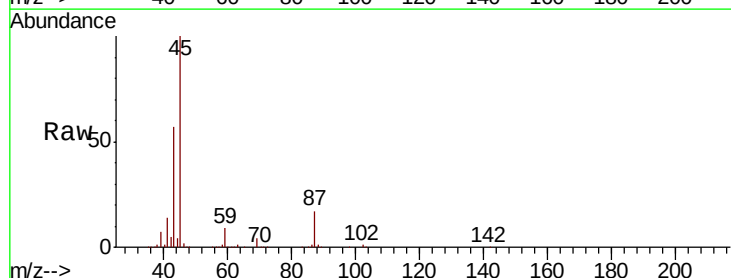
RT: 4.84 min Scan# 469

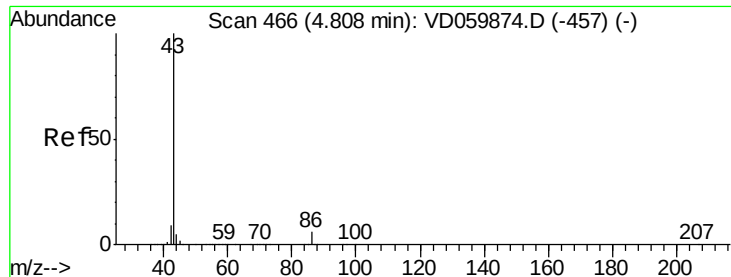
Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion:	45	Resp:	2585378
Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.6	72.8
87	17.0	13.3	19.9
59	8.9	7.1	10.7





#23

Vinyl Acetate

Concen: 264.43 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 7427630

Ion Ratio Lower Upper

43 100

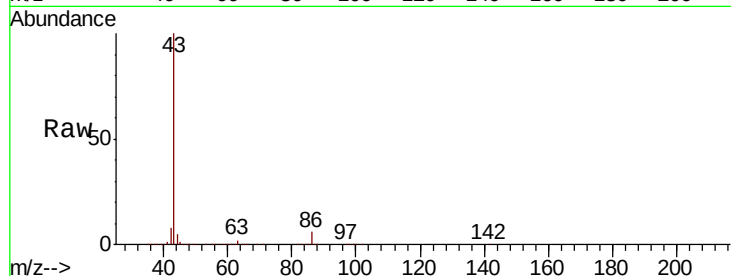
86 6.4 5.0 7.6

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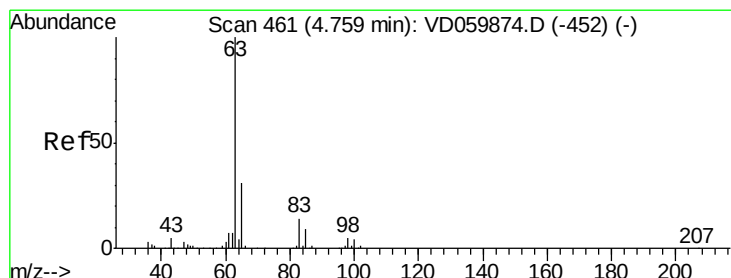
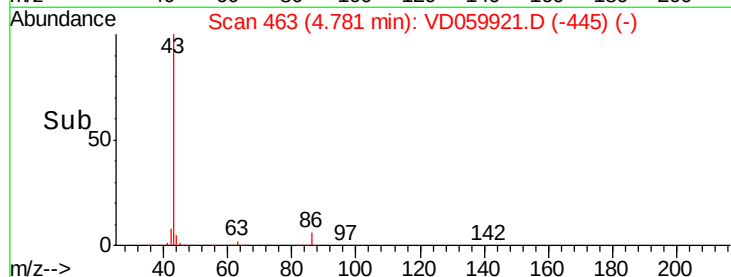
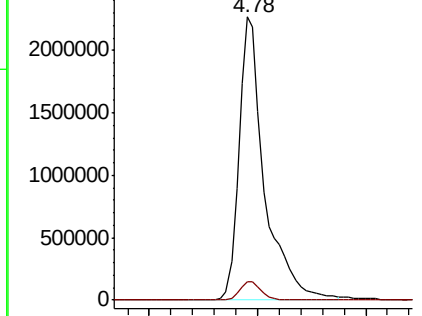
apatel

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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: 51.26 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

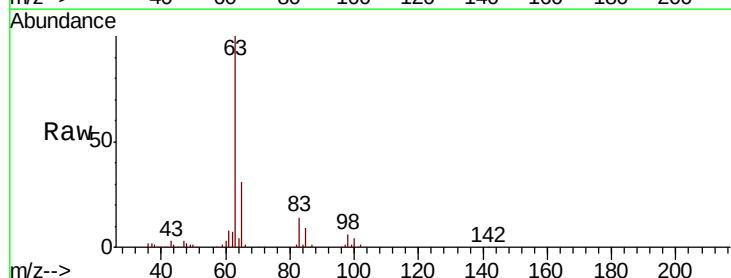
Tgt Ion: 63 Resp: 1112716

Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

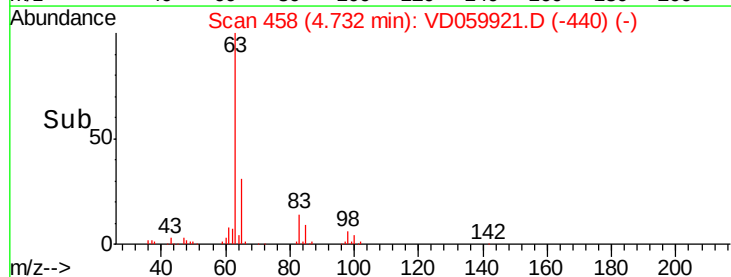
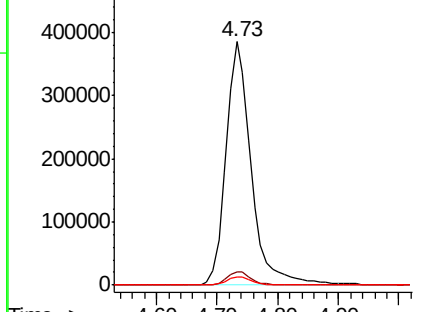
100 3.6 1.8 5.3

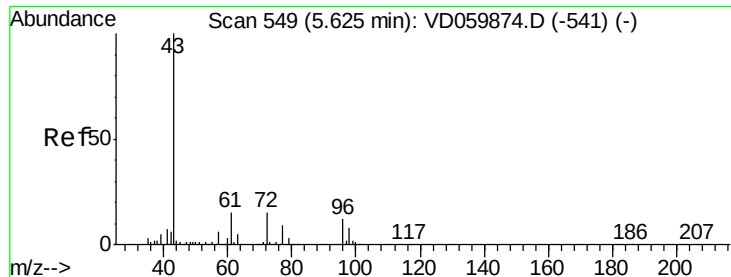


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 283.50 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1603318

Ion Ratio Lower Upper

43 100

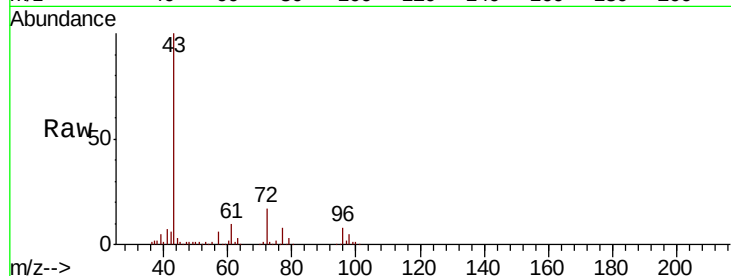
72 16.8 12.3 18.5

Manual Integrations

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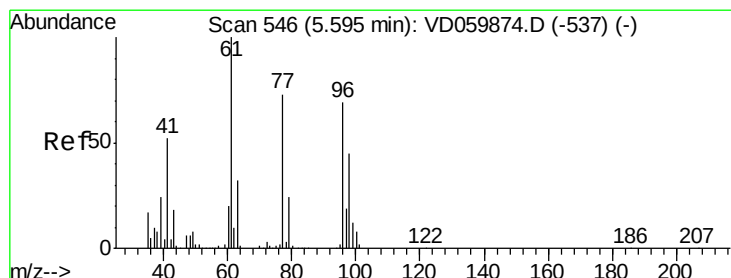
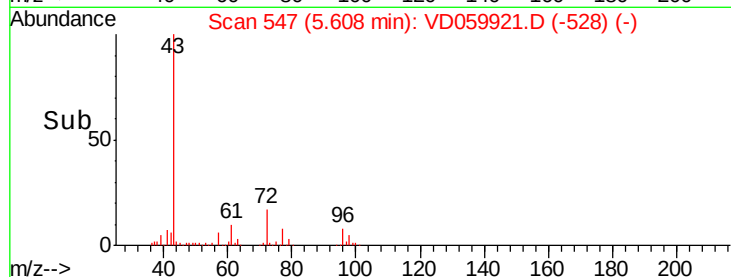
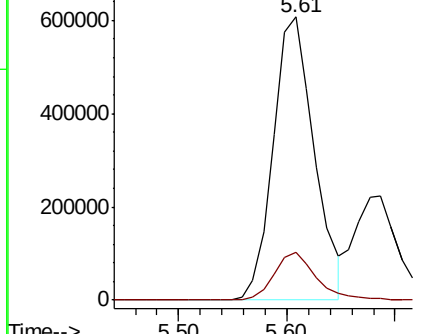
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.51 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059921.D

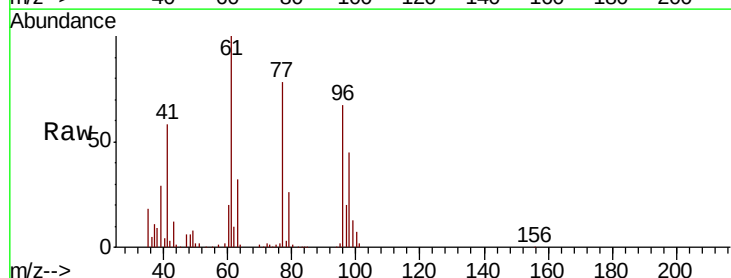
Acq: 30 Aug 2018 11:48

Tgt Ion: 77 Resp: 916613

Ion Ratio Lower Upper

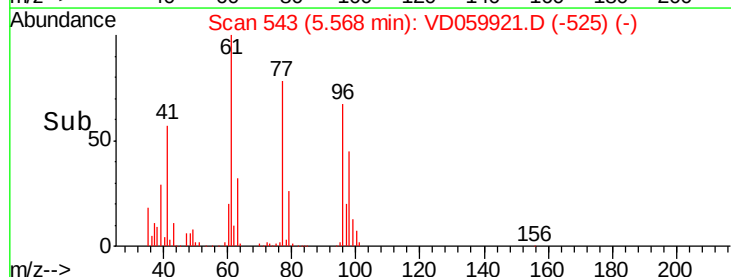
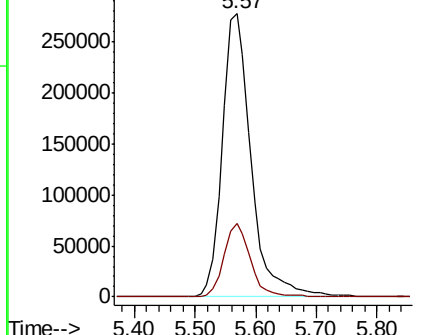
77 100

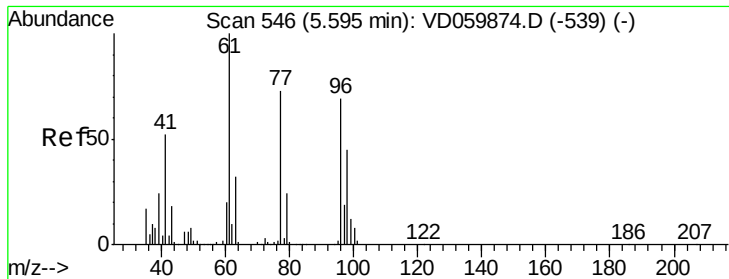
97 25.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 52.44 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

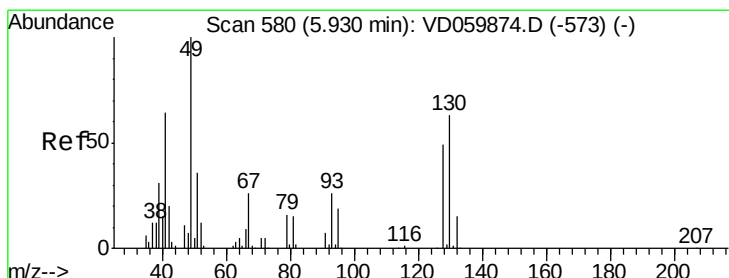
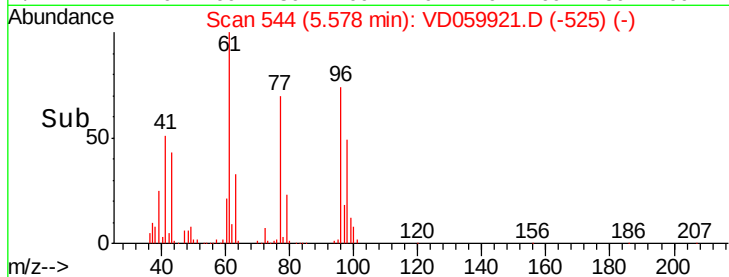
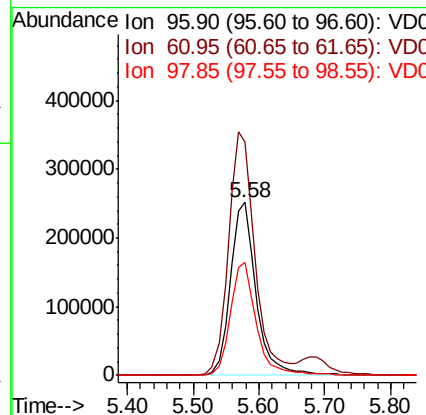
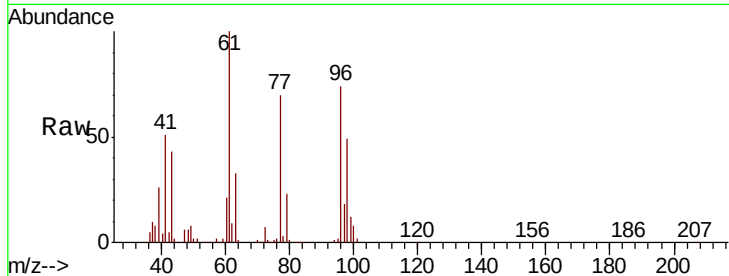
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	688939
Ion Ratio	Lower	Upper	
96	100		
61	134.6	0.0	290.2
98	65.7	0.0	130.4

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#28

Bromochloromethane

Concen: 50.99 ug/l

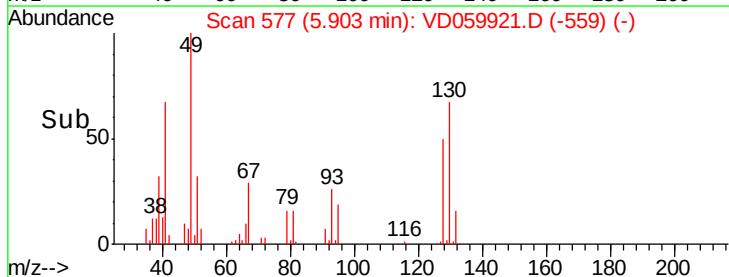
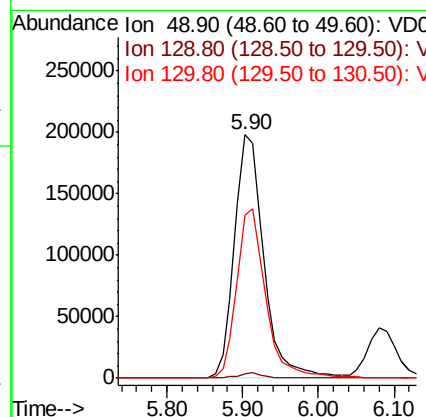
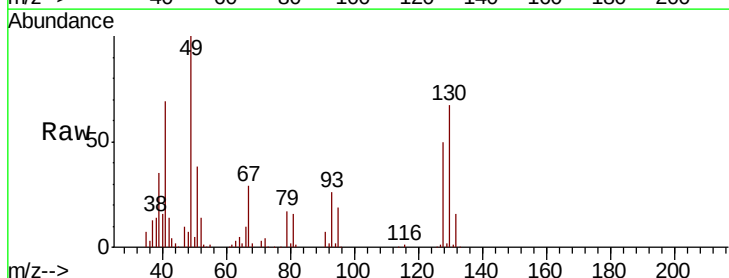
RT: 5.90 min Scan# 577

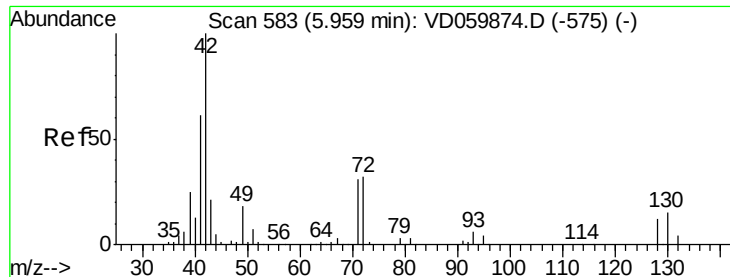
Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion:	49	Resp:	530450
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.2
130	67.1	50.6	75.8





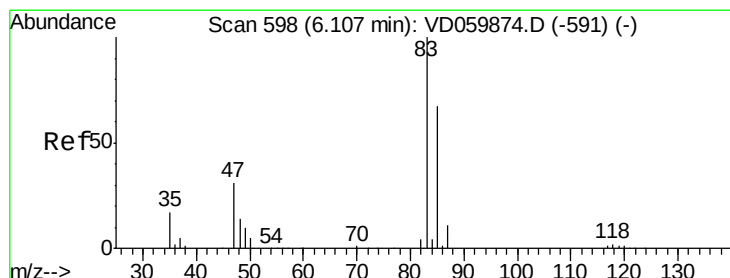
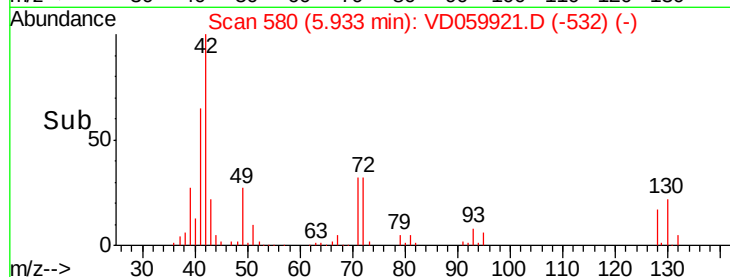
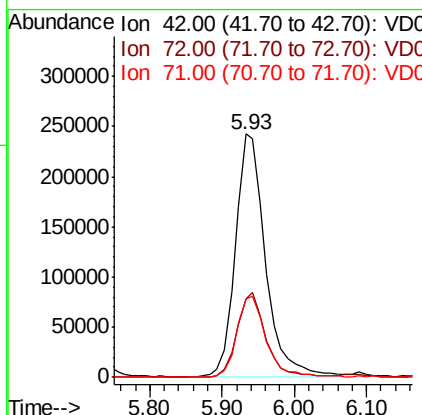
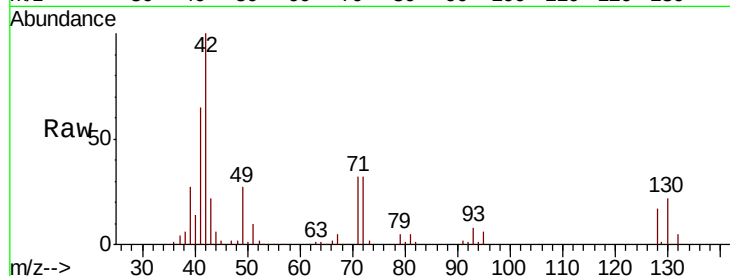
#29
Tetrahydrofuran
Concen: 260.86 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	25.7	38.5
71	32.9	25.3	37.9

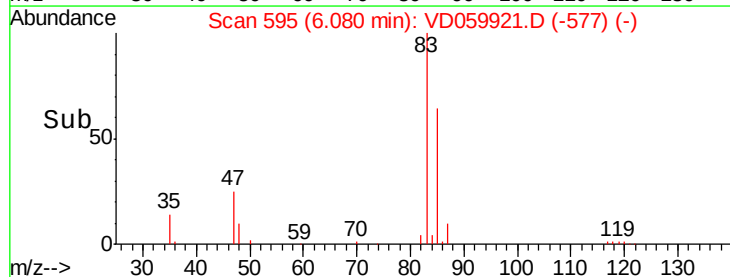
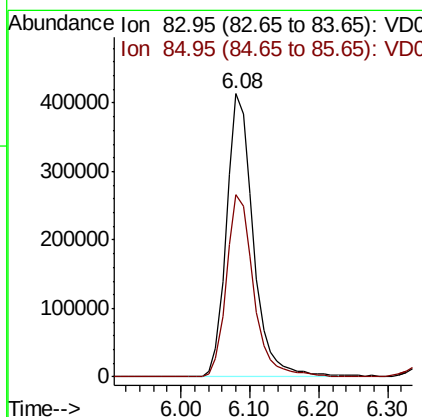
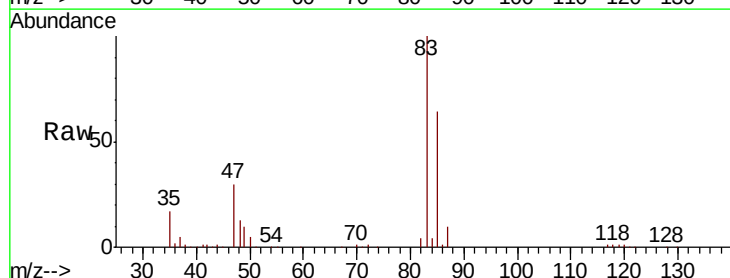
Manual Integrations
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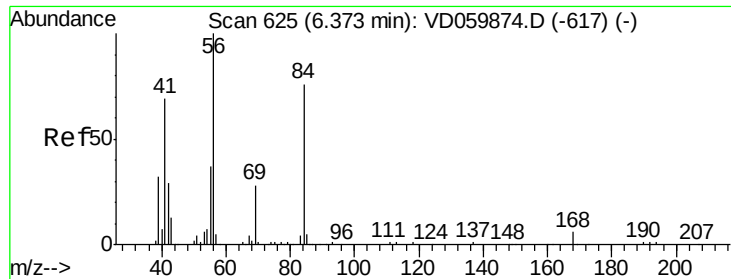
apatel
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#30
Chloroform
Concen: 50.46 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.5	80.3





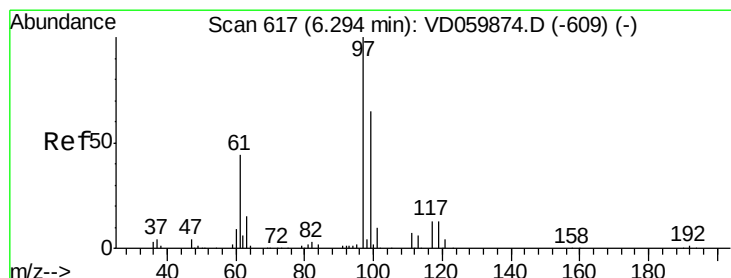
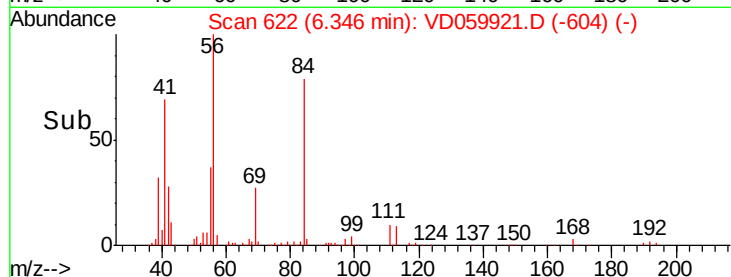
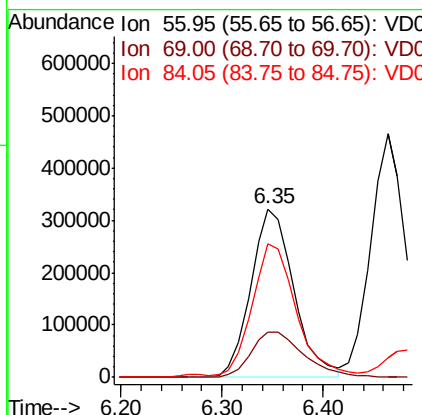
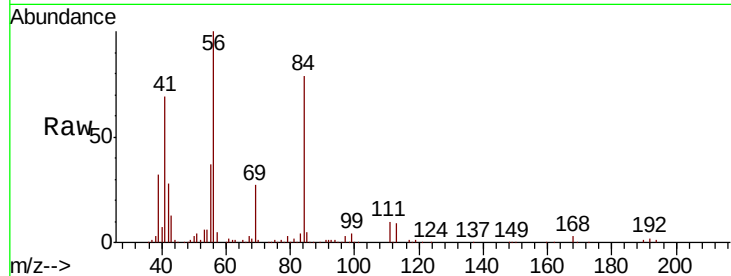
#31
Cyclohexane
Concen: 47.57 ug/l
RT: 6.35 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.2	22.4	33.6
84	79.2	62.1	93.1

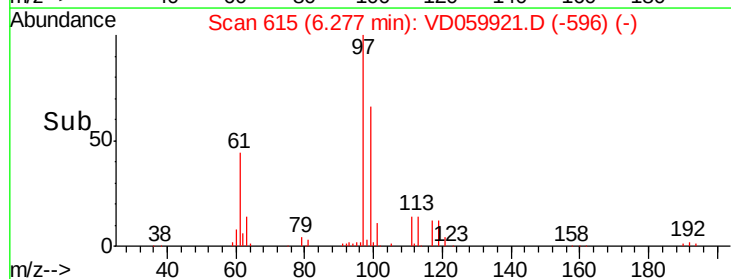
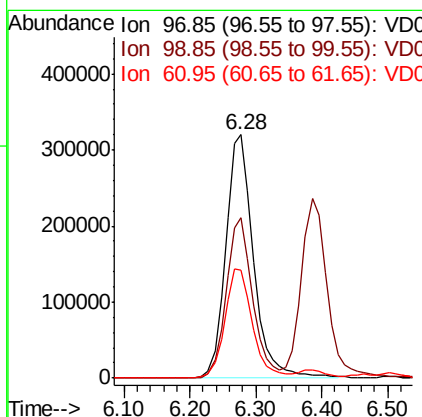
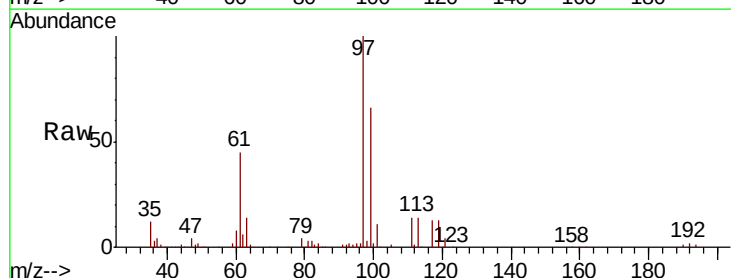
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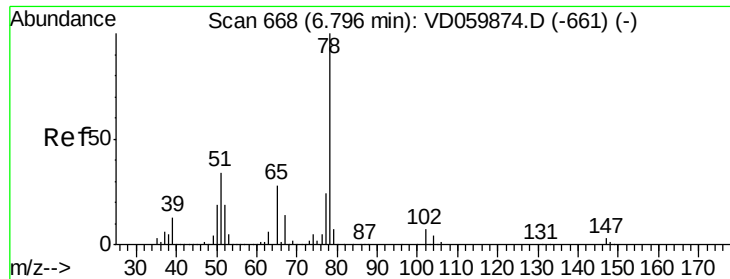
apatel
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#32
1,1,1-Trichloroethane
Concen: 50.26 ug/l
RT: 6.28 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.7	77.5
61	44.6	35.4	53.2





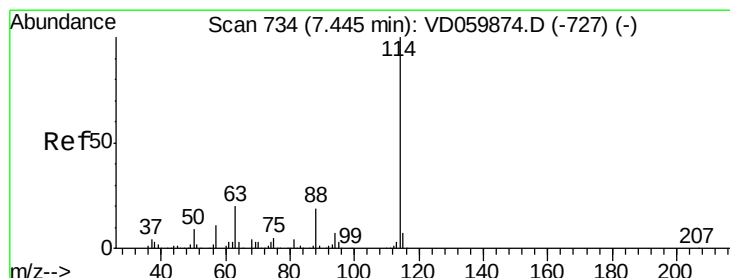
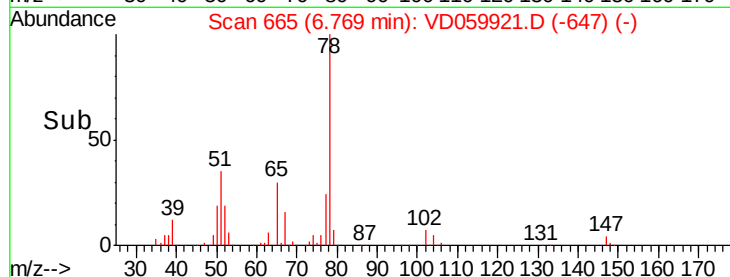
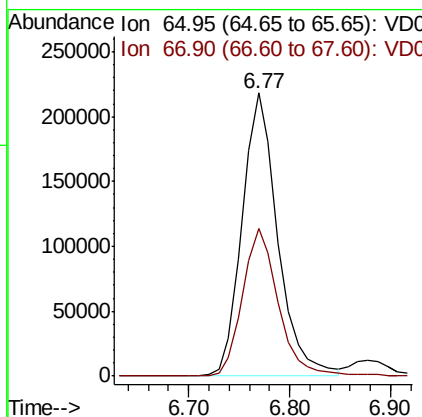
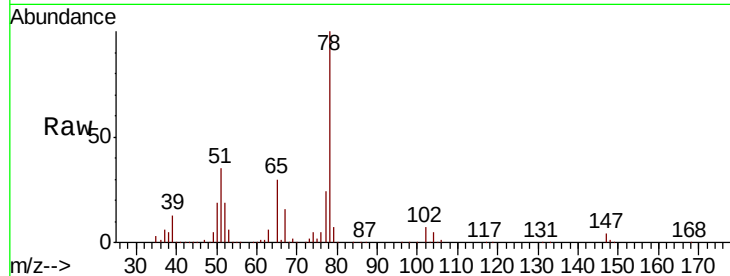
#33
 1,2-Dichloroethane-d4
 Concen: 50.26 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	103.8	

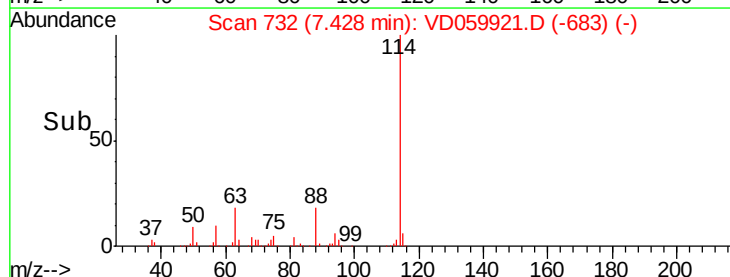
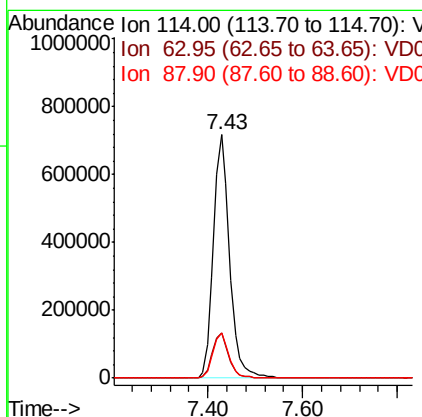
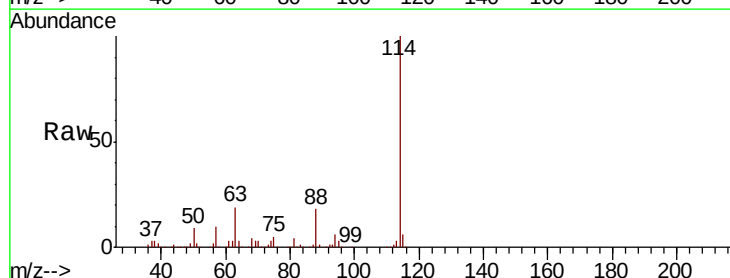
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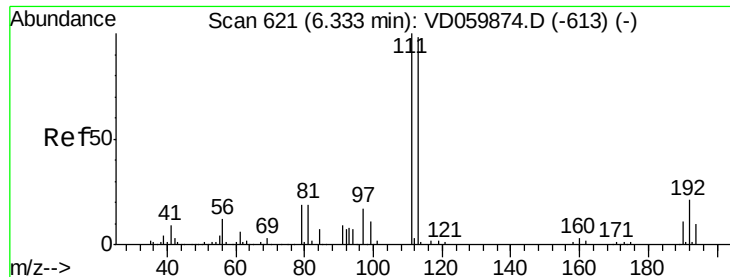
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	39.4	
88	18.4	0.0	37.6	





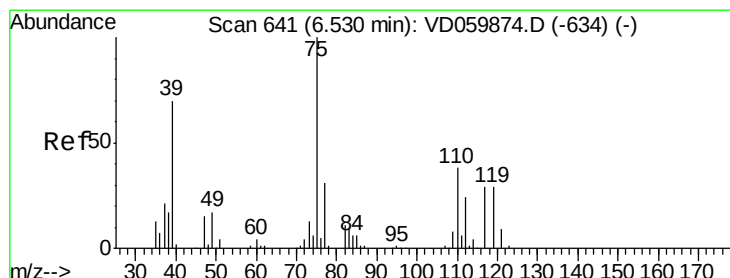
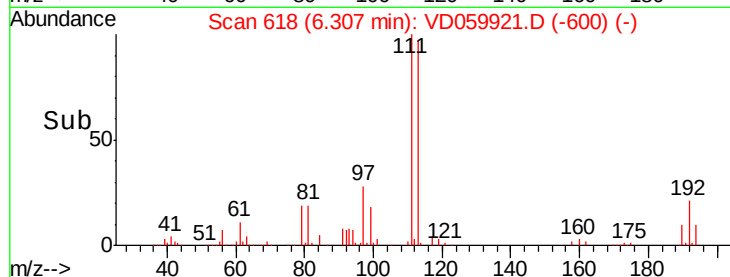
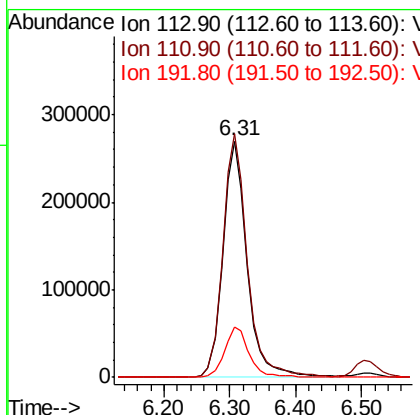
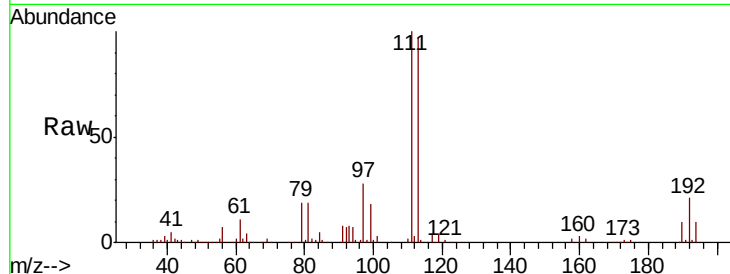
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.31 min Scan# 618
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	689437		
111	103.1	81.4	122.2	
192	21.2	17.0	25.6	

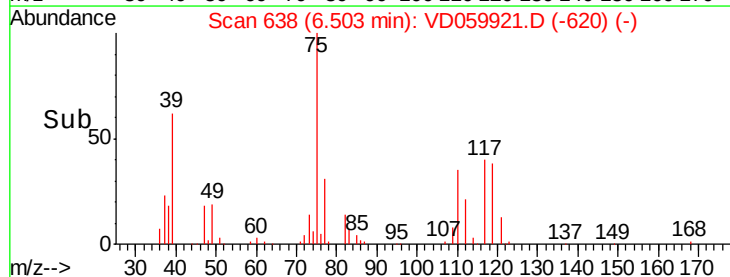
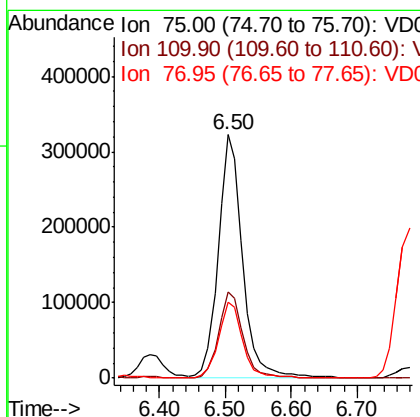
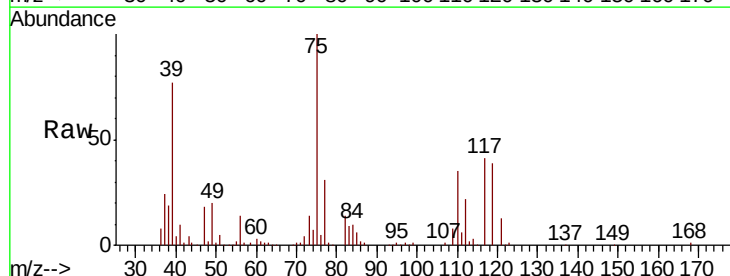
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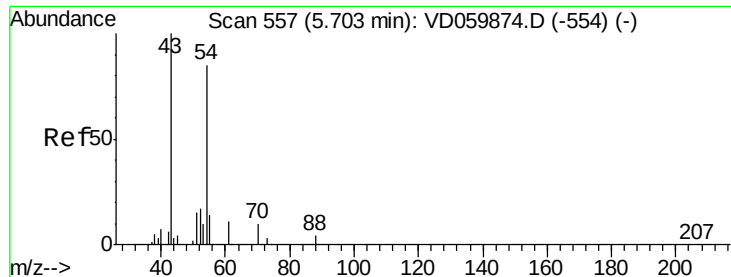
apatel
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#36
1,1-Dichloropropene
Concen: 52.29 ug/l
RT: 6.50 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	810789		
110	35.3	18.6	56.0	
77	31.1	25.1	37.7	





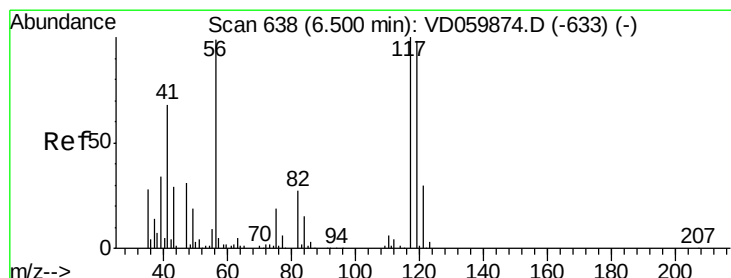
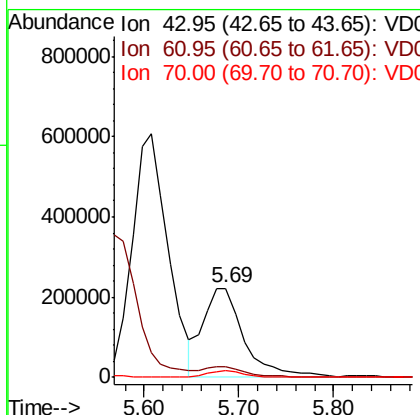
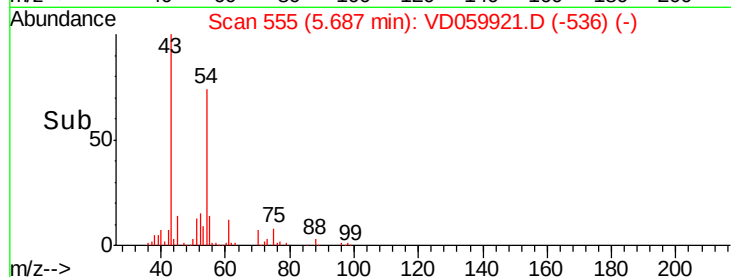
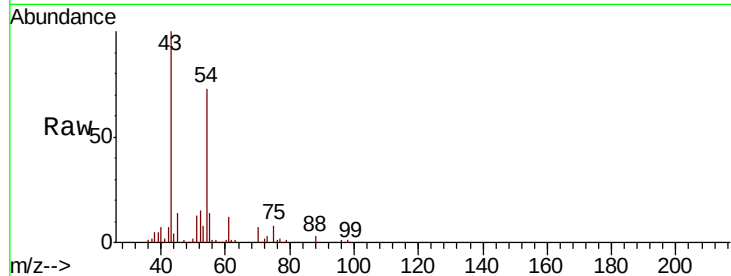
#37
Ethyl Acetate
Concen: 54.11 ug/l
RT: 5.69 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.0	16.6
70	7.4	5.7	8.5

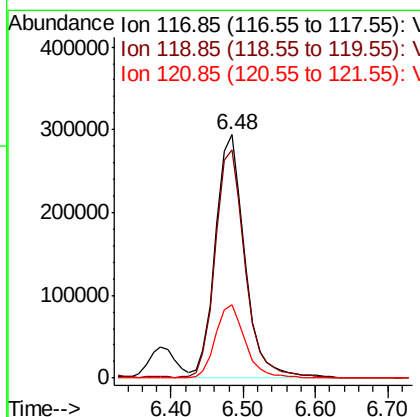
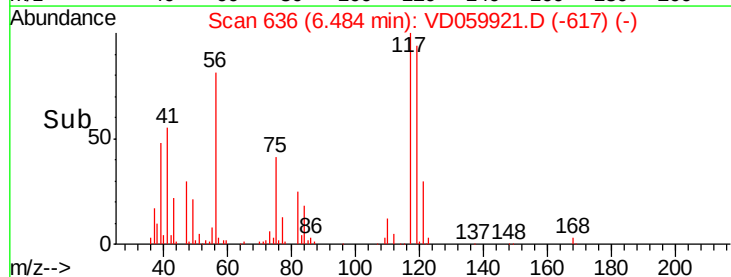
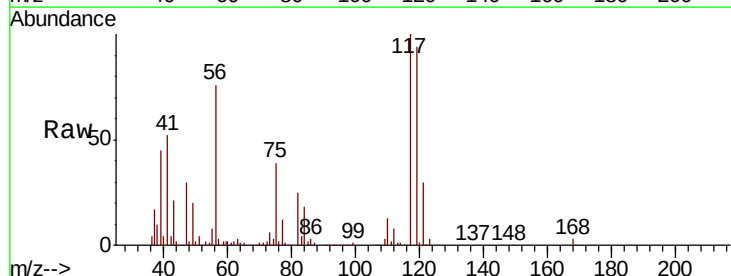
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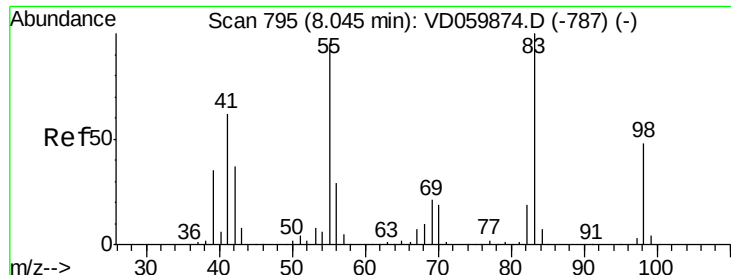
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#38
Carbon Tetrachloride
Concen: 52.25 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.2	115.8
121	29.9	24.0	36.0





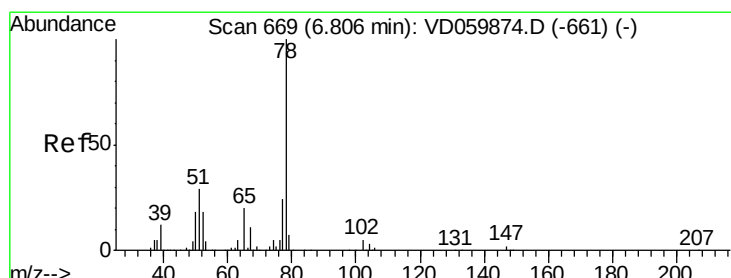
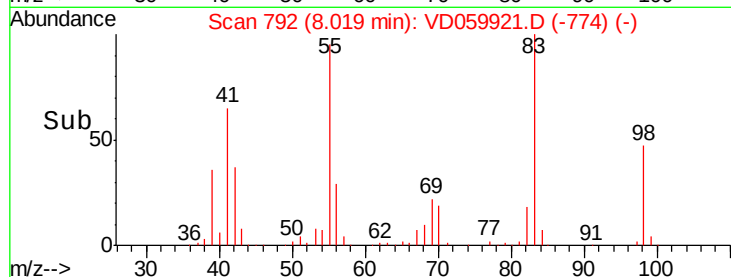
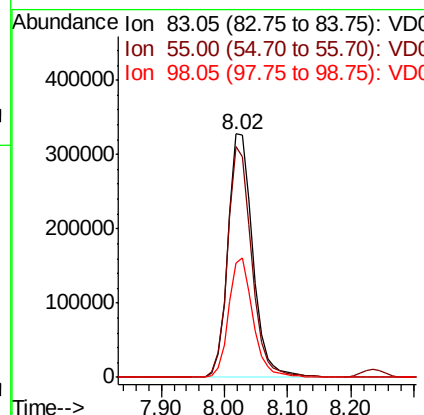
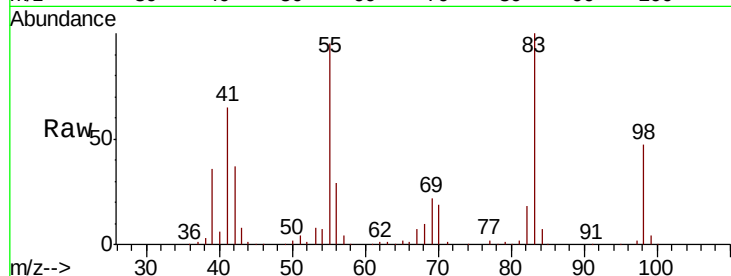
#39
Methylvlcyclohexane
Concen: 53.26 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	892261
Ion Ratio	Lower	Upper	
83	100		
55	94.6	75.8	113.6
98	46.9	38.3	57.5

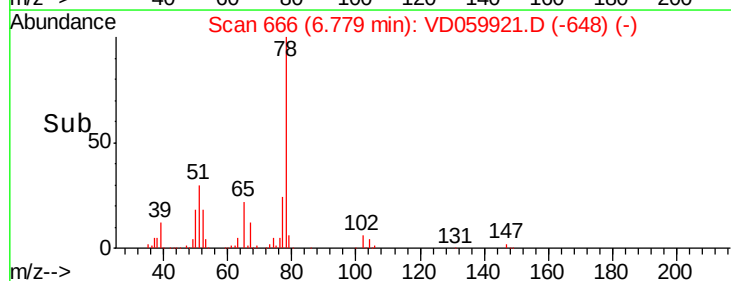
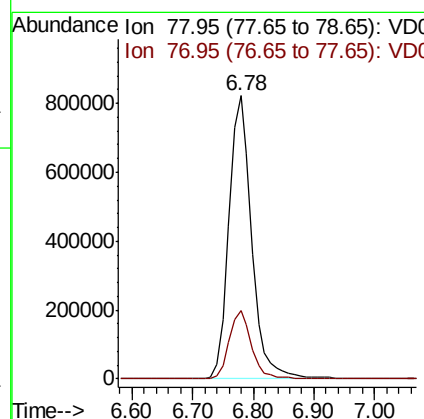
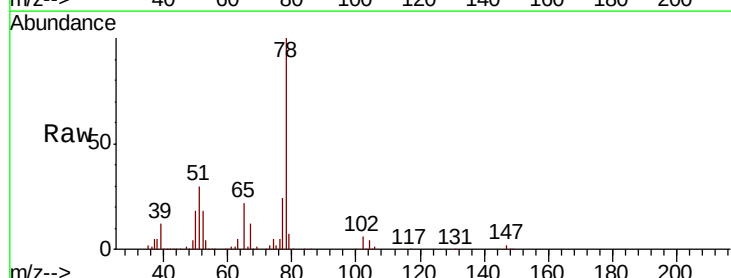
Manual Integrations
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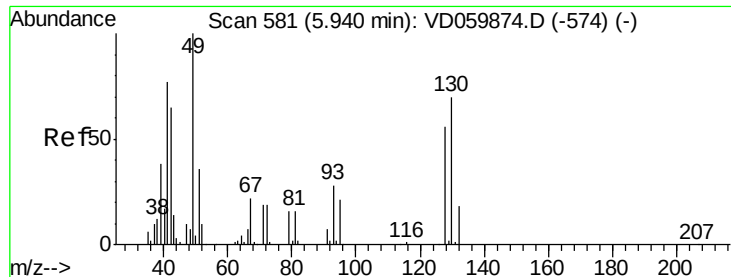
apatel
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#40
Benzene
Concen: 53.26 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	78	Resp	2147385
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 49.90 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 303283

Ion Ratio Lower Upper

41 100

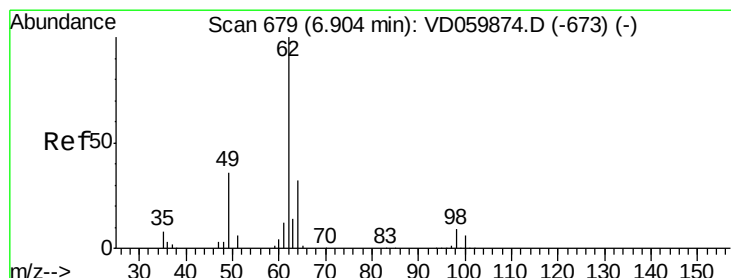
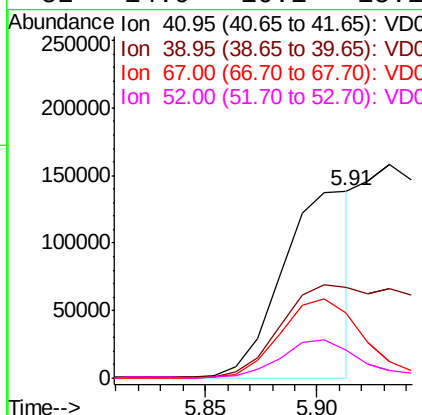
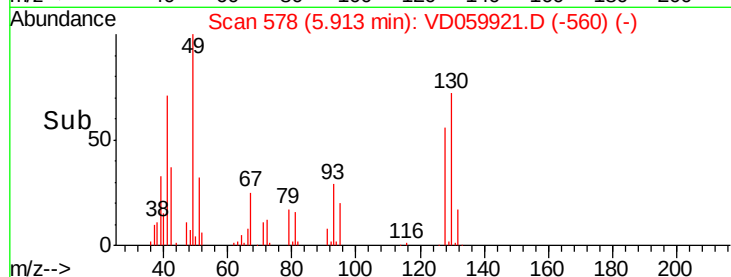
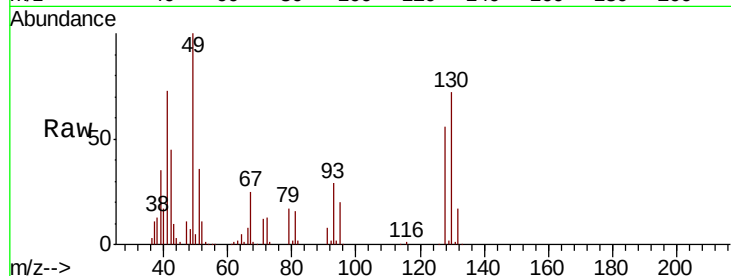
39 48.4 39.4 59.2

67 35.0 22.2 33.2#

52 14.9 10.1 15.1

Manual Integrations
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apatel
8/31/2018 12:29:40 PM



#42

1,2-Dichloroethane

Concen: 52.73 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059921.D

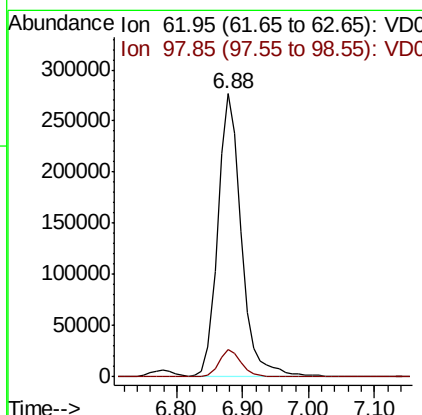
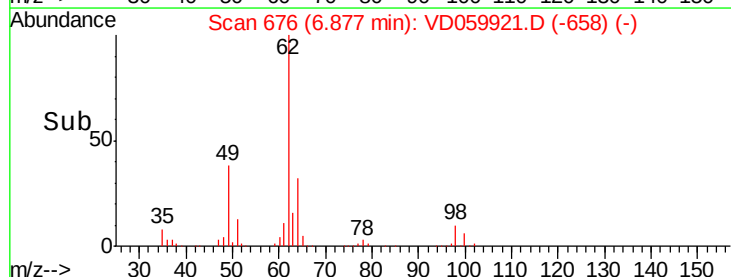
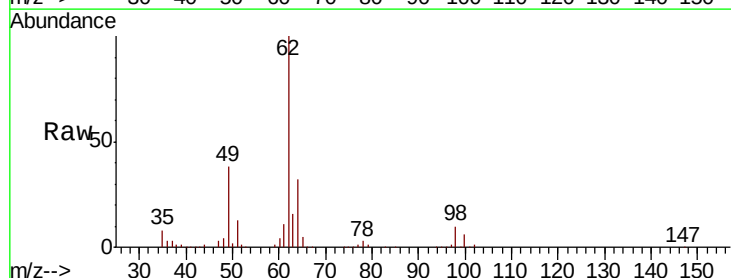
Acq: 30 Aug 2018 11:48

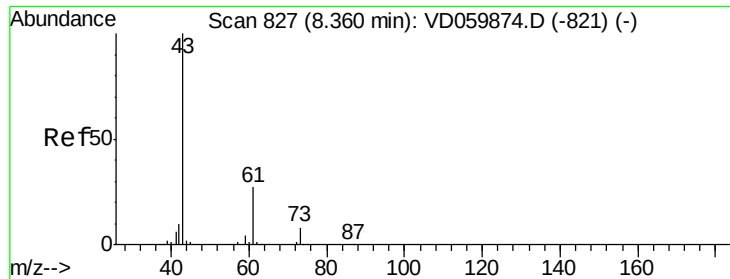
Tgt Ion: 62 Resp: 682543

Ion Ratio Lower Upper

62 100

98 9.5 0.0 18.4





#43

Isopropyl Acetate

Concen: 53.48 ug/l

RT: 8.33 min Scan# 824

Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

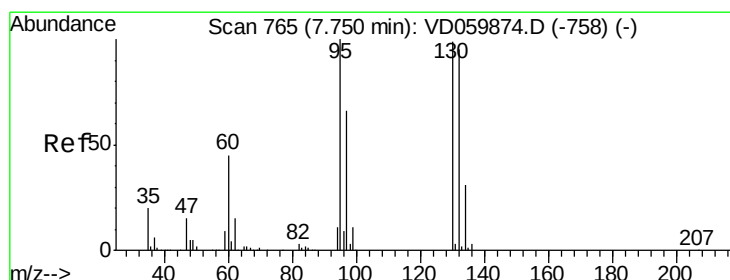
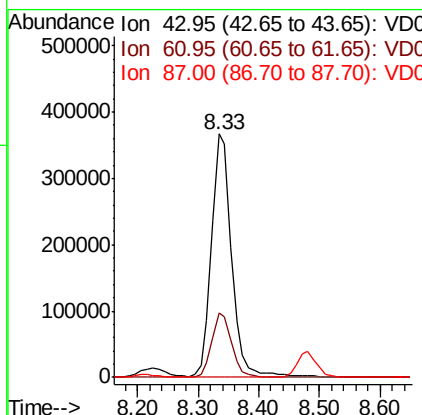
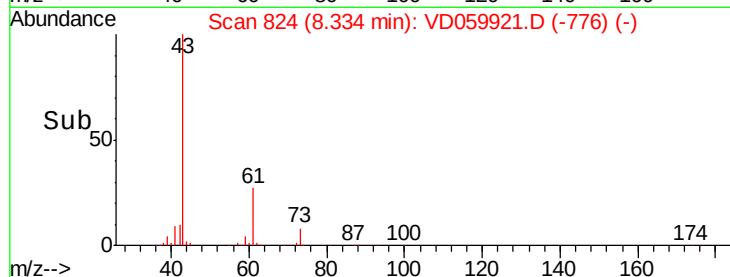
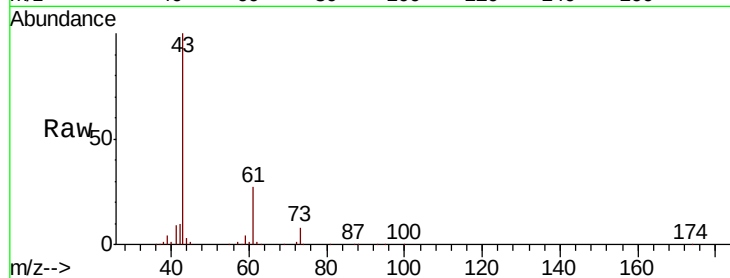
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	839538
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.4	32.2
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 53.38 ug/l

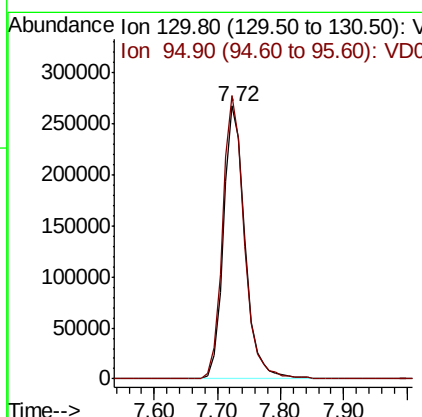
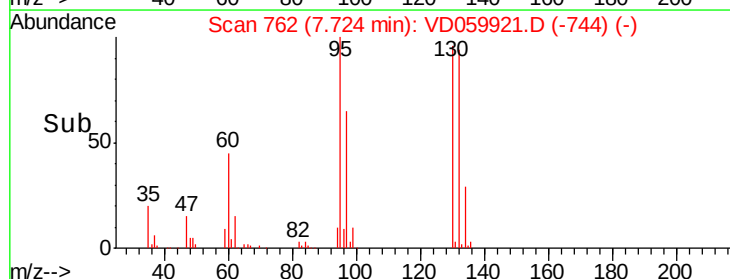
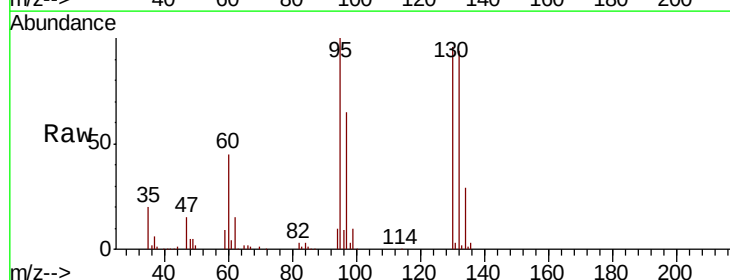
RT: 7.72 min Scan# 762

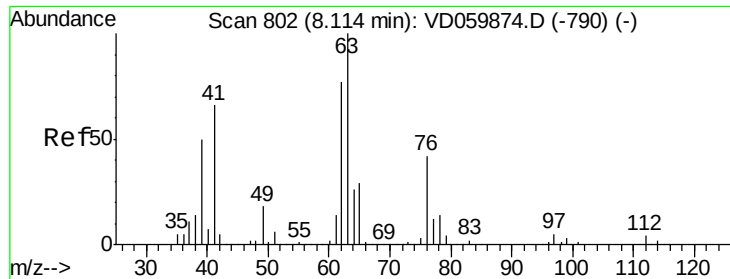
Delta R.T. -0.03 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion:	130	Resp:	633746
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	202.0





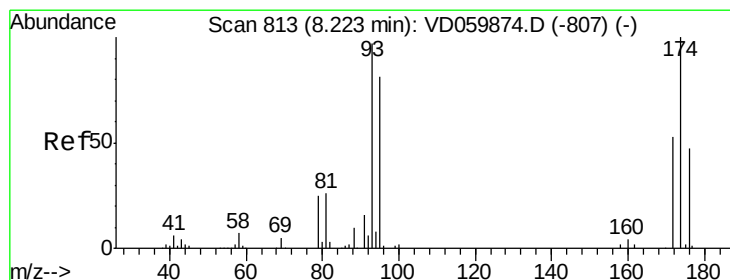
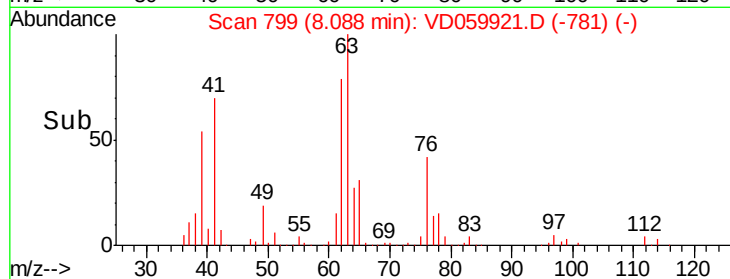
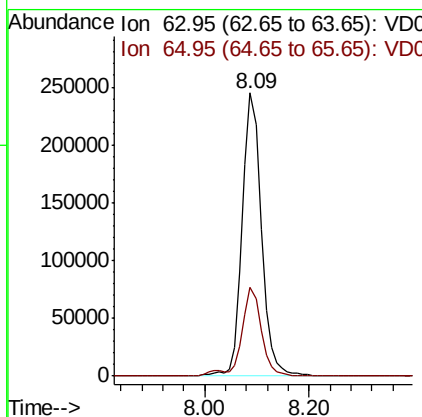
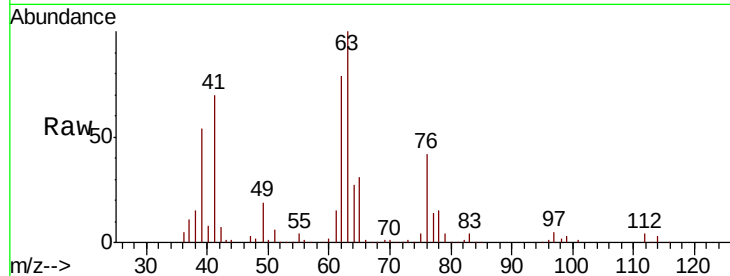
#45
 1,2-Dichloropropane
 Concen: 53.47 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 602629
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.5 35.3

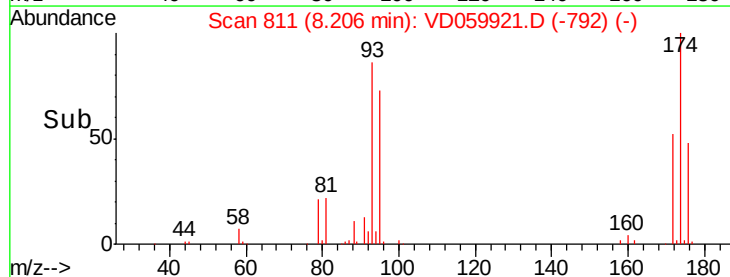
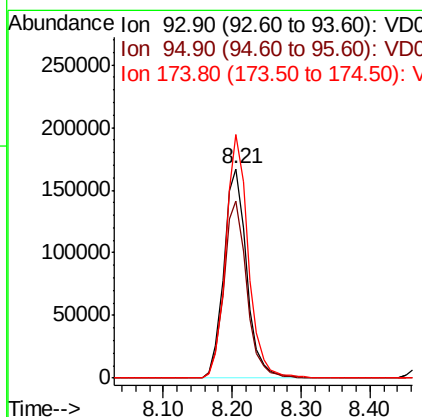
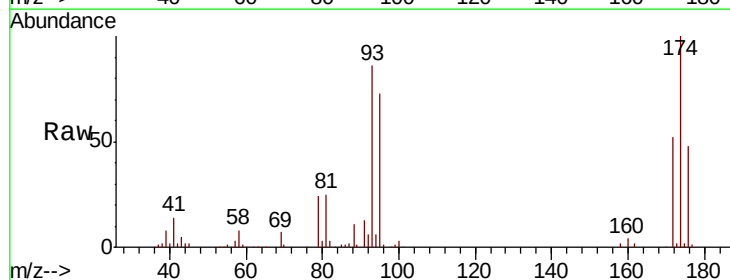
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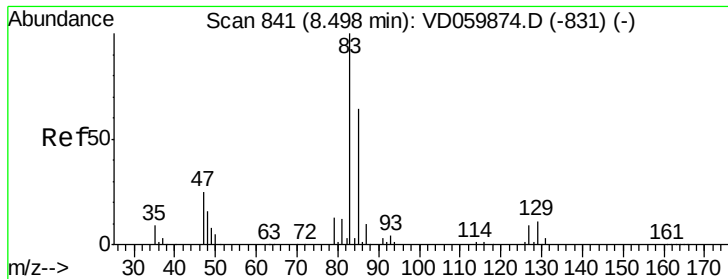
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#46
 Dibromomethane
 Concen: 52.94 ug/l
 RT: 8.21 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 93 Resp: 383663
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 116.2 82.4 123.6





#47

Bromodichloromethane

Concen: 52.37 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

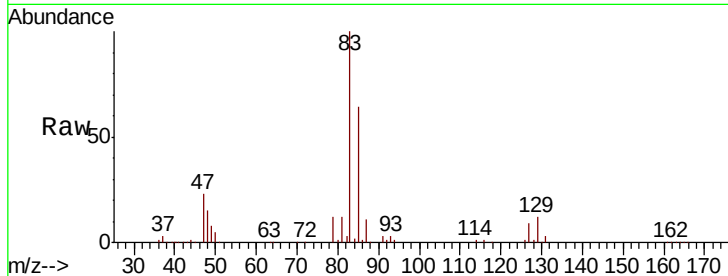
ClientSampleId :

VSTDCCC050

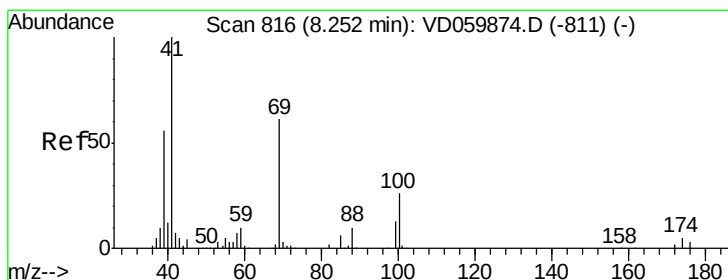
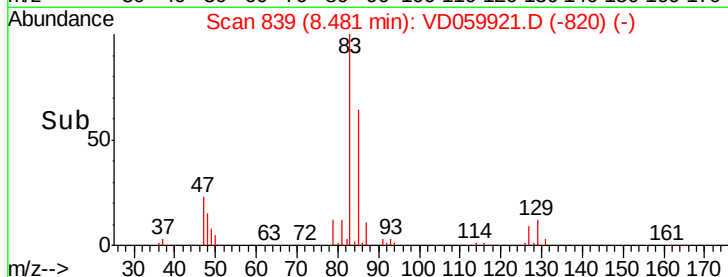
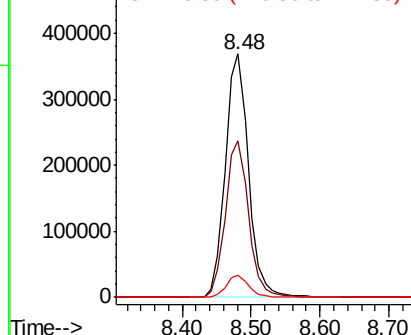
Tot Ion:	83	Resp:	859207
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.3	76.9
127	9.3	7.0	10.4

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 52.33 ug/l

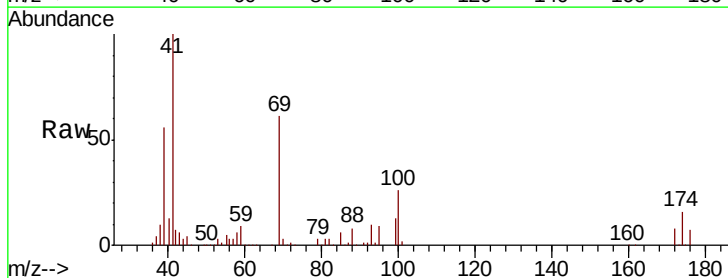
RT: 8.24 min Scan# 814

Delta R.T. -0.02 min

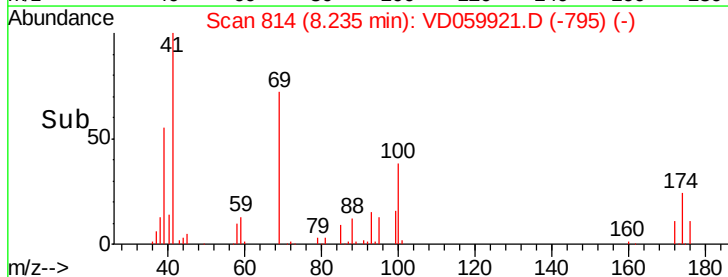
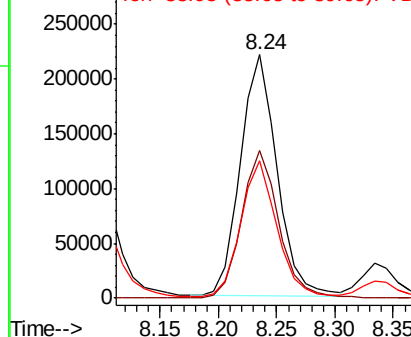
Lab File: VD059921.D

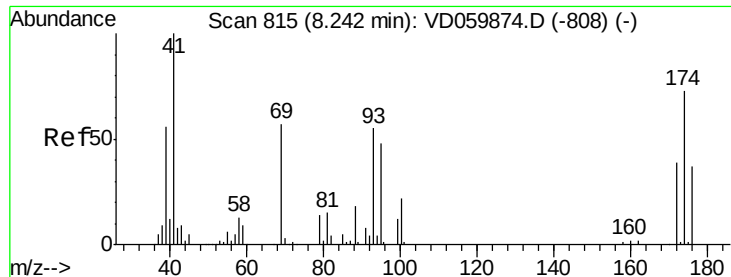
Acq: 30 Aug 2018 11:48

Tgt Ion:	41	Resp:	478897
Ion Ratio	Lower	Upper	
41	100		
69	60.8	48.0	72.0
39	56.4	45.4	68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





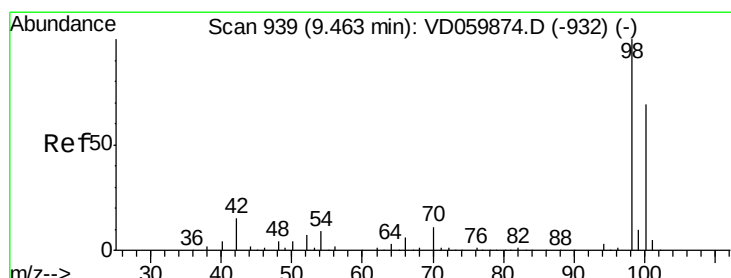
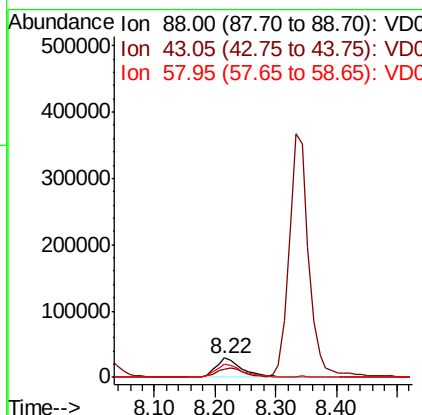
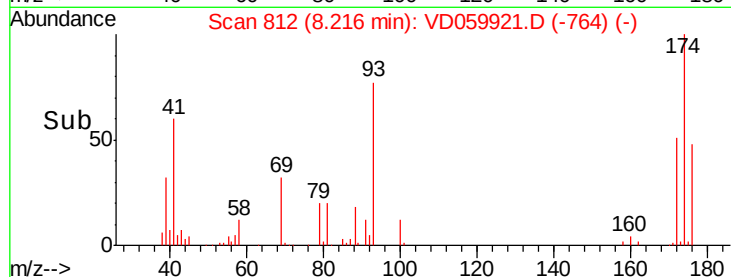
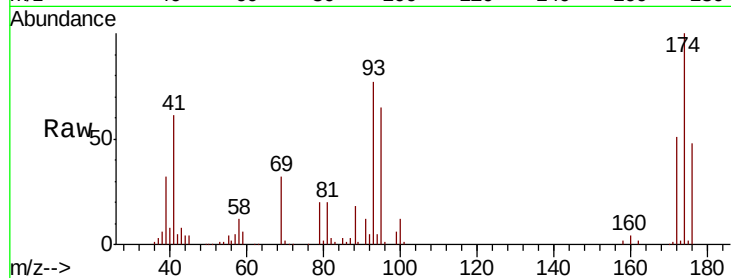
#49
1,4-Dioxane
Concen: 1110.09 ug/l
RT: 8.22 min Scan# 812
Delta R.T. -0.03 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.2	45.0	67.6#
58	66.8	55.8	83.8

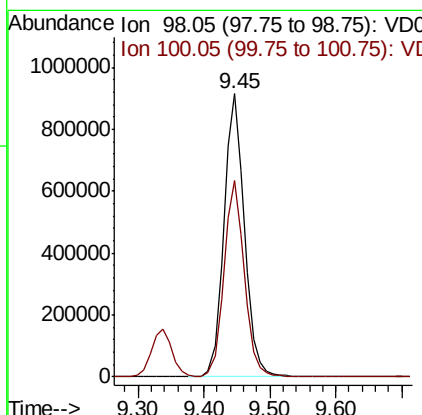
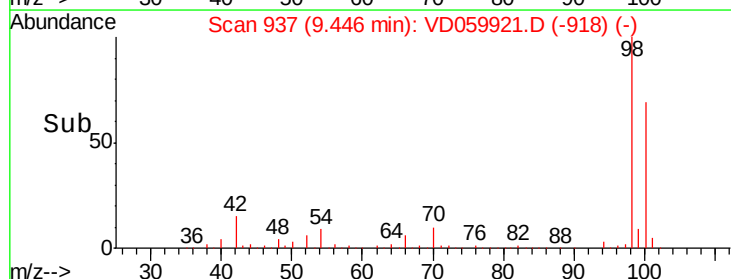
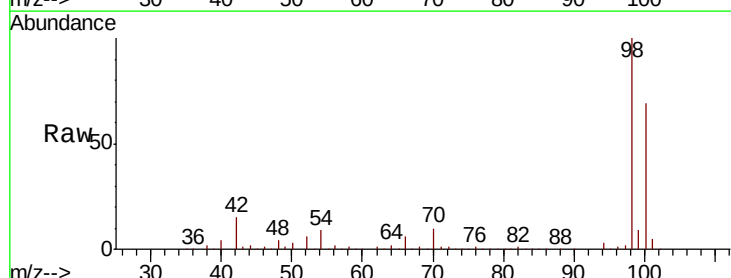
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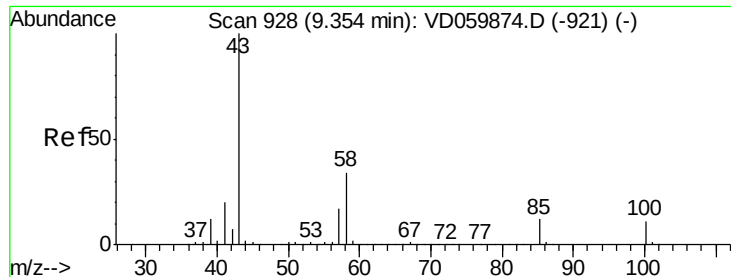
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#50
Toluene-d8
Concen: 1110.09 ug/l
RT: 9.45 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 284.21 ug/l

RT: 9.34 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tot Ion: 43 Resp: 3326137

Ion Ratio Lower Upper

43 100

58 33.8 27.0 40.4

Instrument :

MSVOA_D

ClientSampleId :

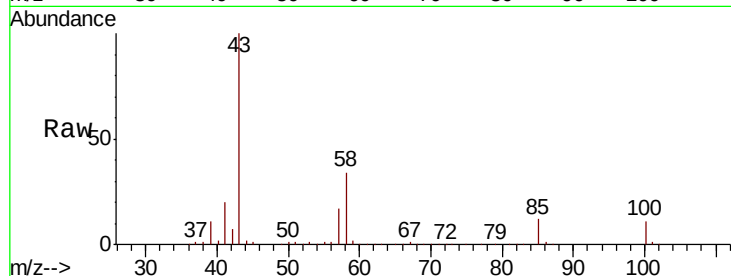
VSTDCCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

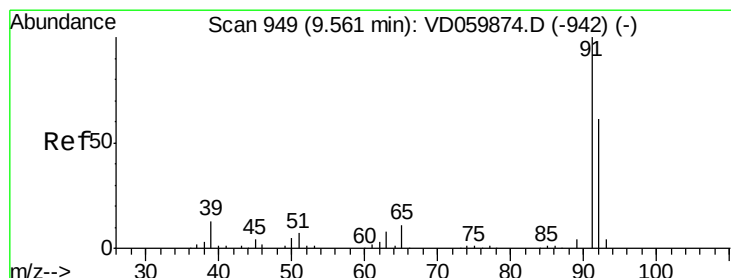
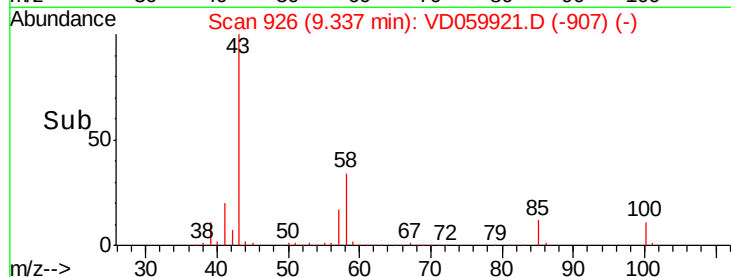
1000000

500000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 53.22 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059921.D

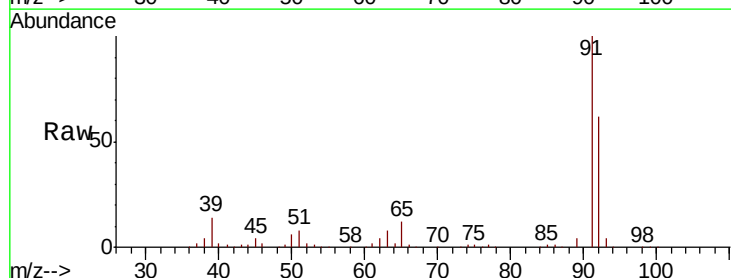
Acq: 30 Aug 2018 11:48

Tgt Ion: 92 Resp: 1376086

Ion Ratio Lower Upper

92 100

91 161.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1200000

1000000

800000

600000

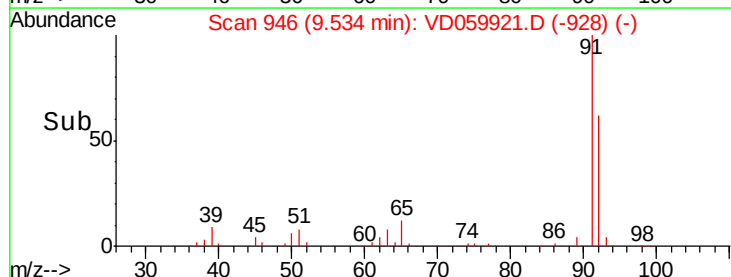
400000

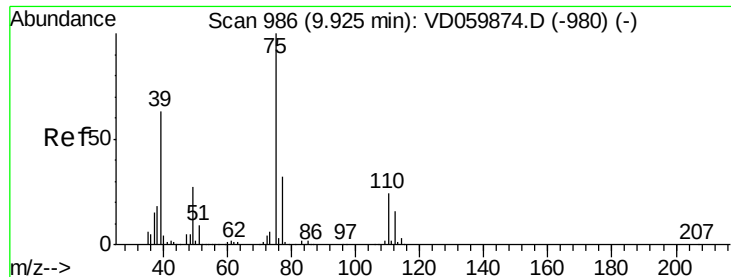
200000

0

9.40 9.50 9.60 9.70

Time-->





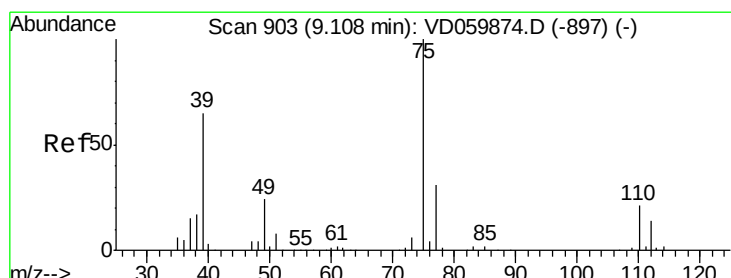
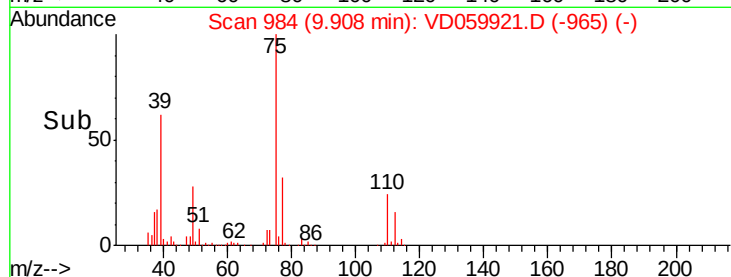
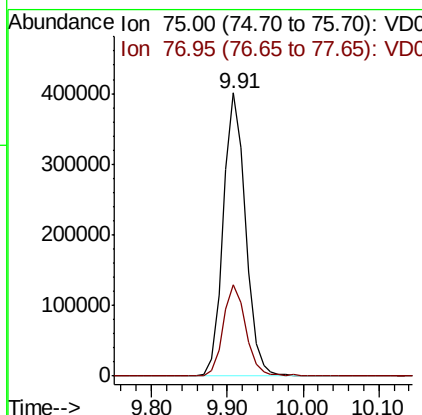
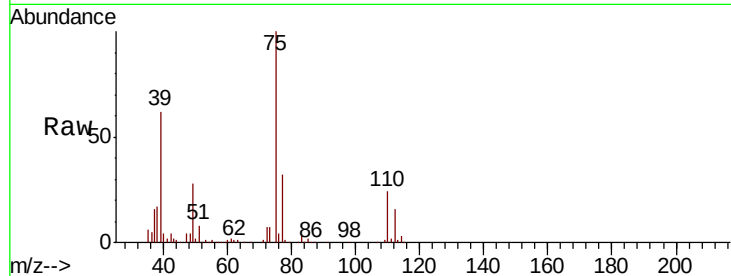
#53
 t-1,3-Dichloropropene
 Concen: 53.89 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 817650
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2

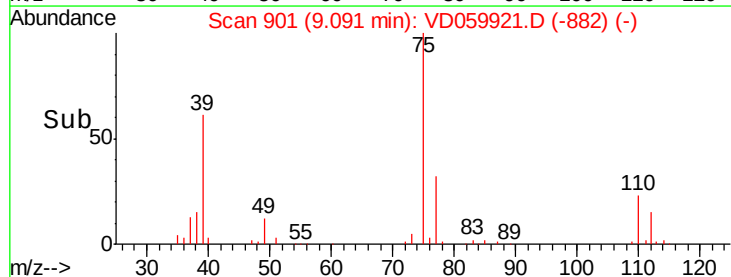
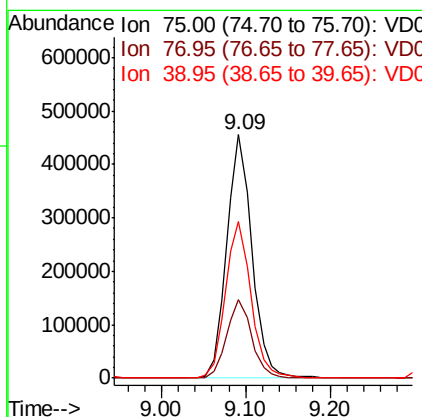
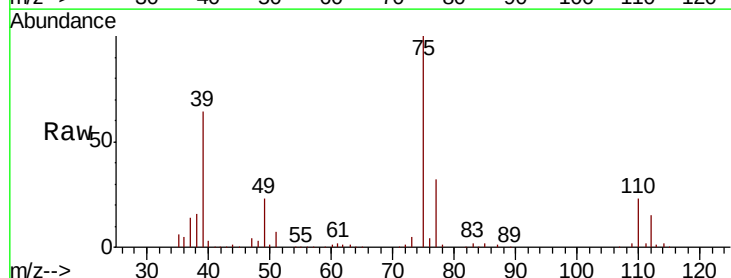
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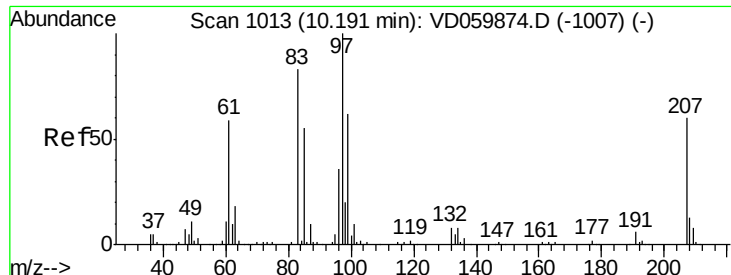
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#54
 cis-1,3-Dichloropropene
 Concen: 54.05 ug/l
 RT: 9.09 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 75 Resp: 950821
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.8 37.2
 39 64.1 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 50.90 ug/l

RT: 10.17 min Scan# 1011

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 481069

Ion Ratio Lower Upper

97 100

83 84.8 66.7 100.1

85 54.0 43.8 65.6

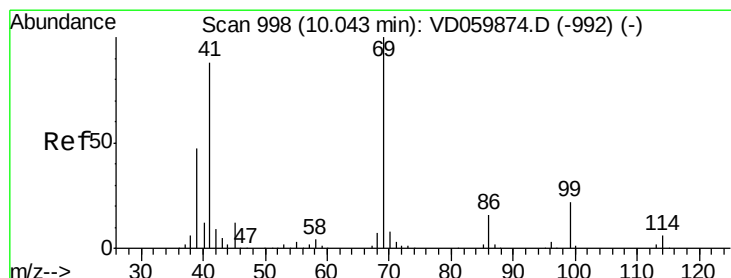
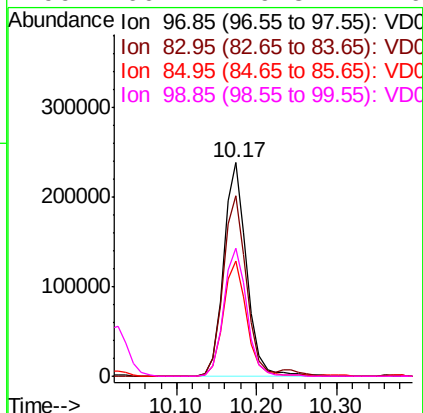
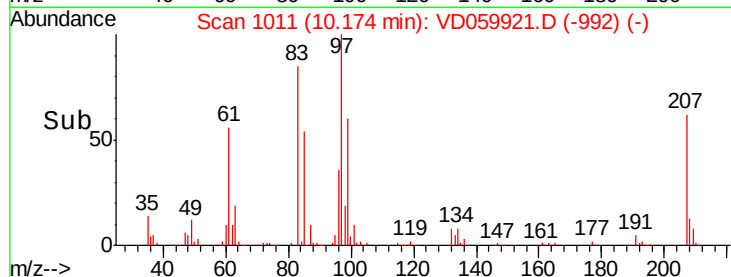
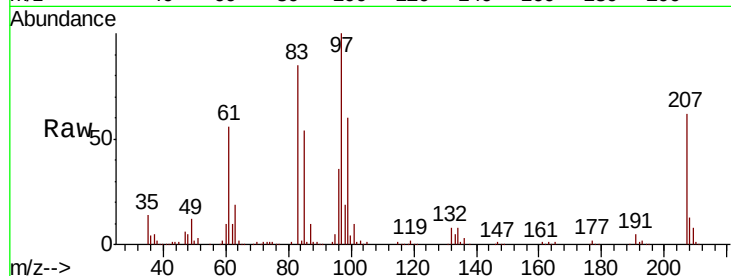
99 60.2 49.8 74.6

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#56

Ethyl methacrylate

Concen: 54.03 ug/l

RT: 10.03 min Scan# 996

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

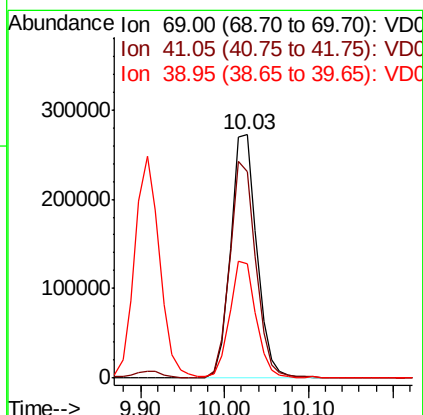
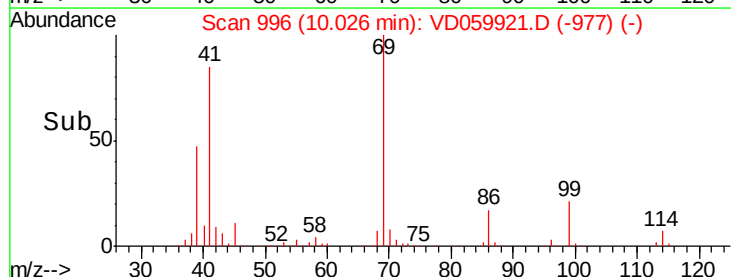
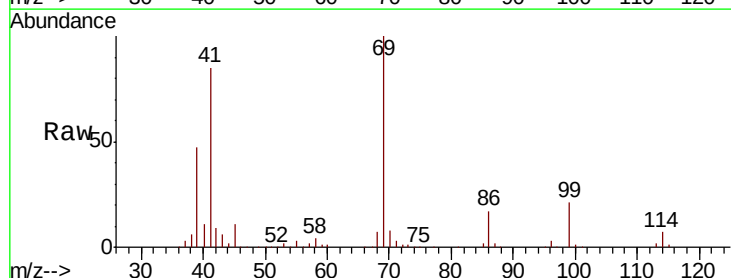
Tgt Ion: 69 Resp: 589278

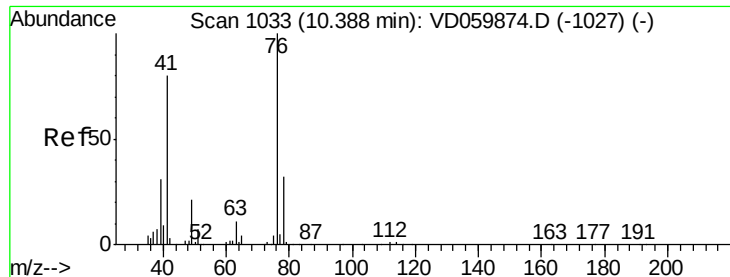
Ion Ratio Lower Upper

69 100

41 84.7 71.0 106.4

39 47.1 38.5 57.7





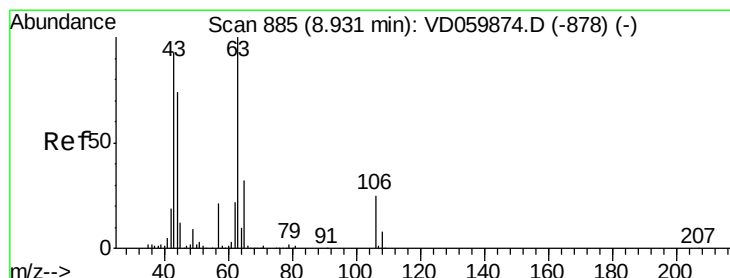
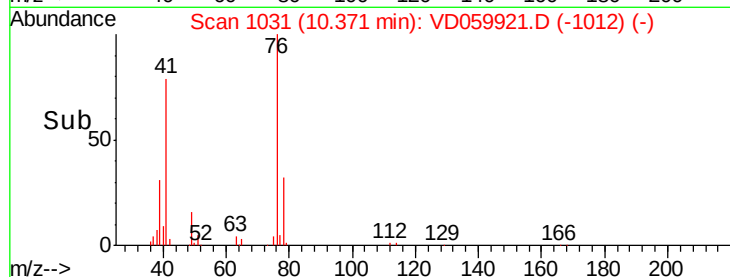
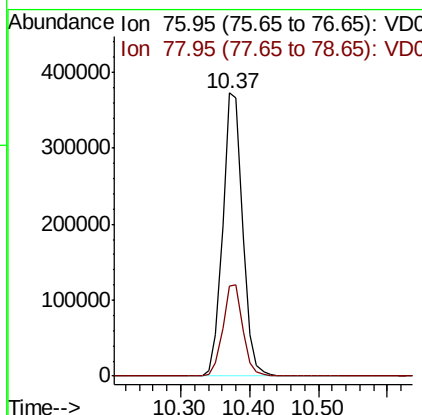
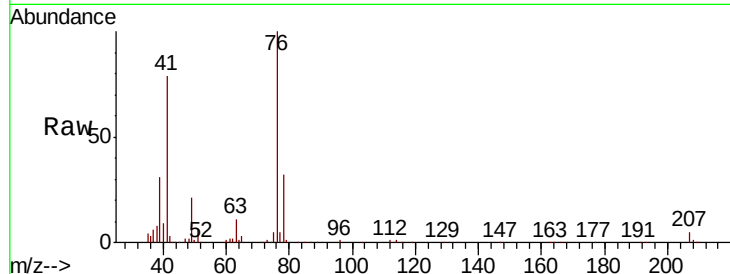
#57
 1,3-Dichloropropane
 Concen: 54.58 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 746545
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

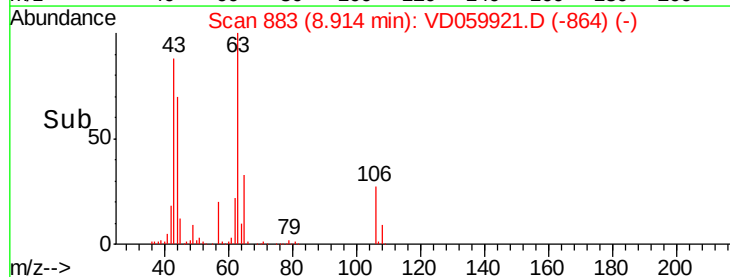
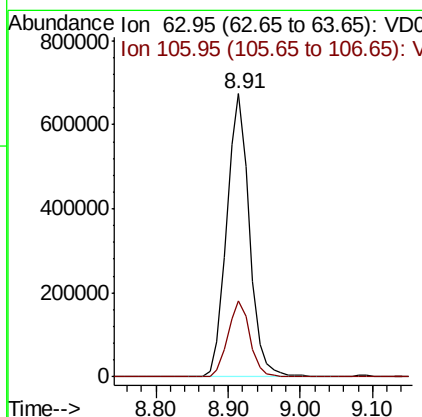
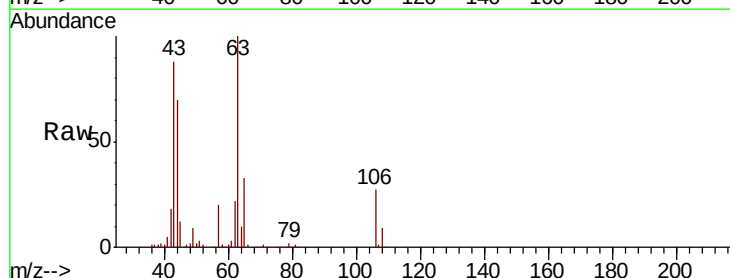
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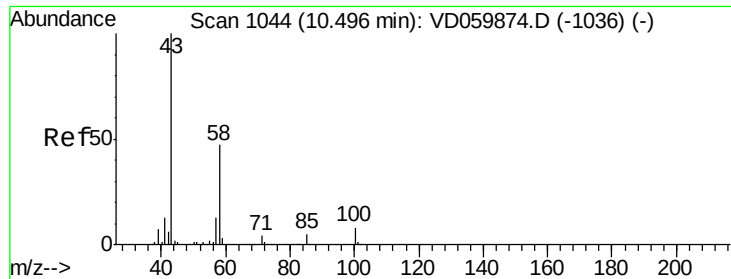
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#58
 2-Chloroethyl Vinyl ether
 Concen: 281.07 ug/l
 RT: 8.91 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion: 63 Resp: 1470652
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.1 30.1





#59

2-Hexanone

Concen: 283.32 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2445641

Ion Ratio Lower Upper

43 100

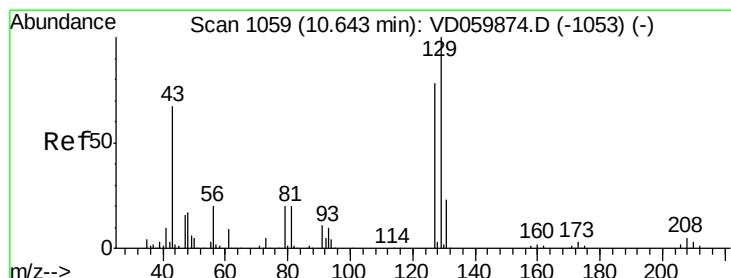
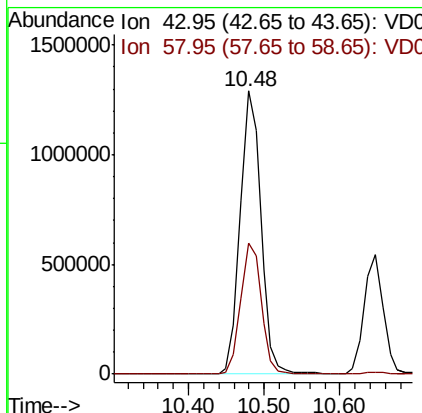
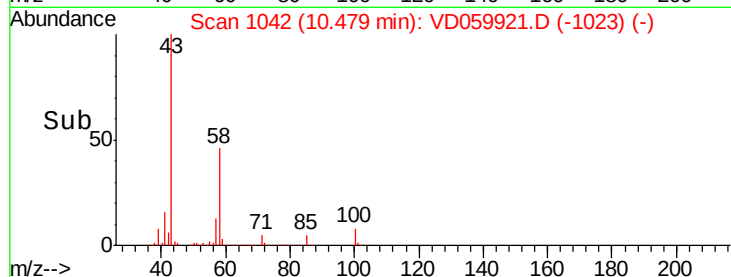
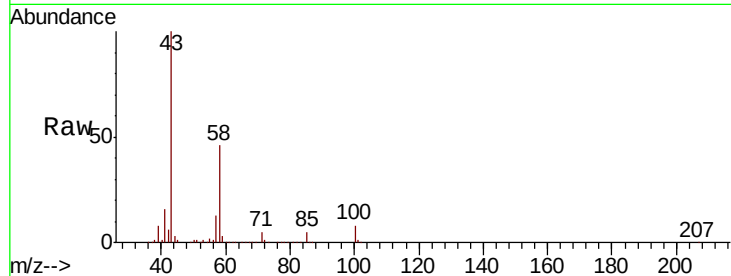
58 46.3 23.3 69.8

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#60

Dibromochloromethane

Concen: 53.90 ug/l

RT: 10.64 min Scan# 1058

Delta R.T. -0.01 min

Lab File: VD059921.D

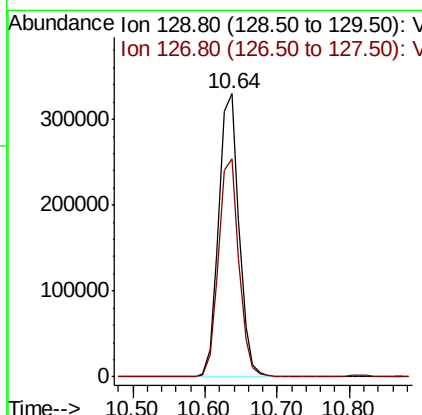
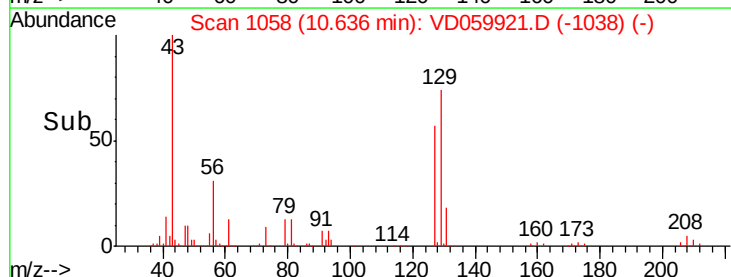
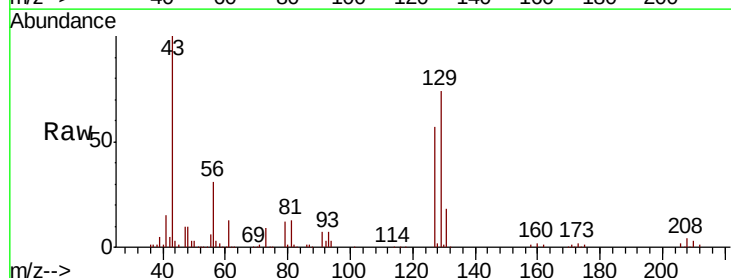
Acq: 30 Aug 2018 11:48

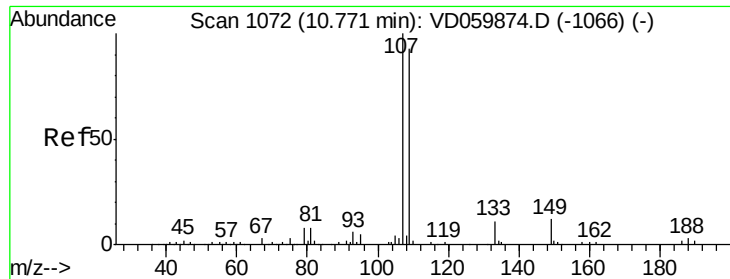
Tgt Ion:129 Resp: 640275

Ion Ratio Lower Upper

129 100

127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 54.45 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 520326

Ion Ratio Lower Upper

107 100

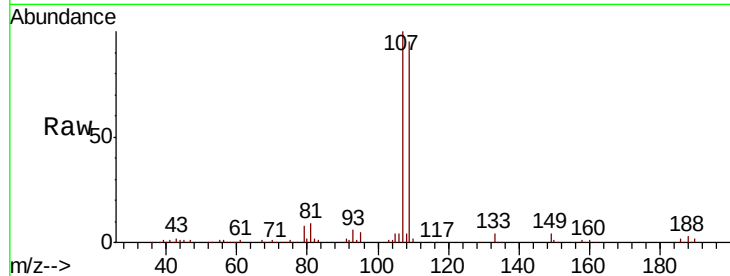
109 95.0 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

250000

200000

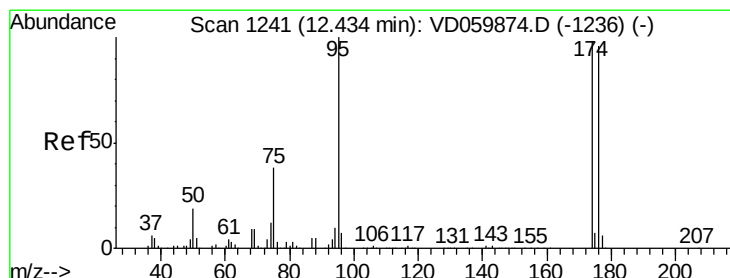
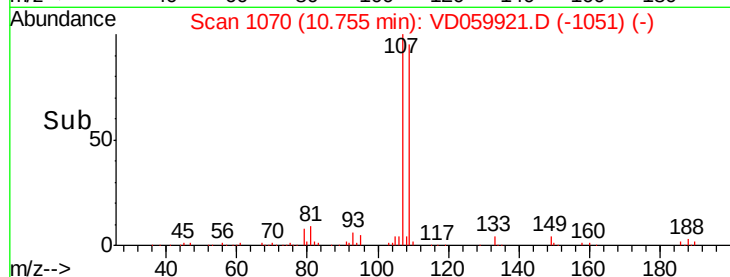
150000

100000

50000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 54.45 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

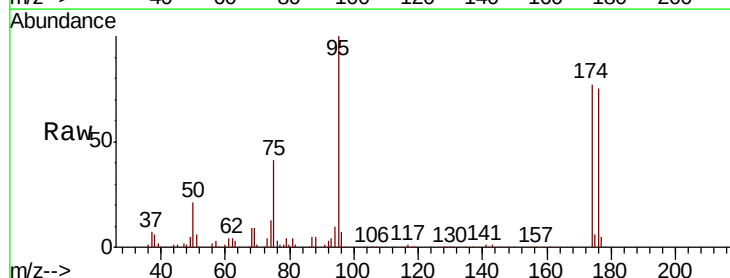
Tgt Ion: 95 Resp: 788406

Ion Ratio Lower Upper

95 100

174 76.6 0.0 195.6

176 74.8 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

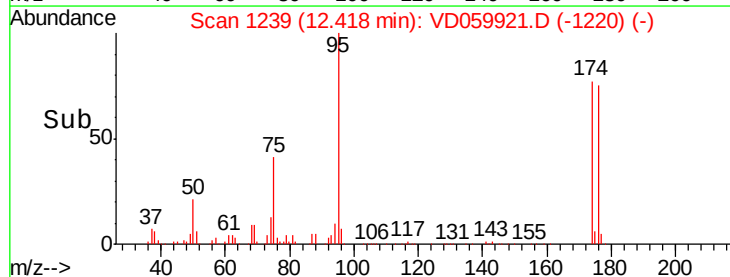
600000

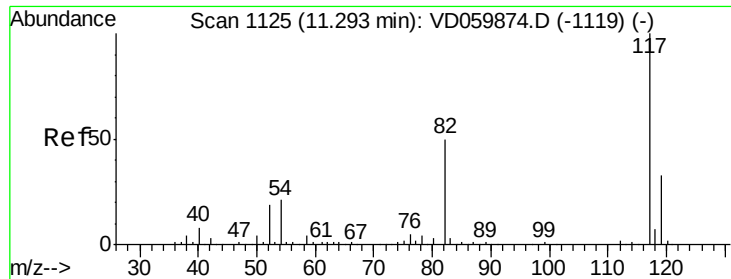
400000

200000

0

Time--> 12.40 12.50





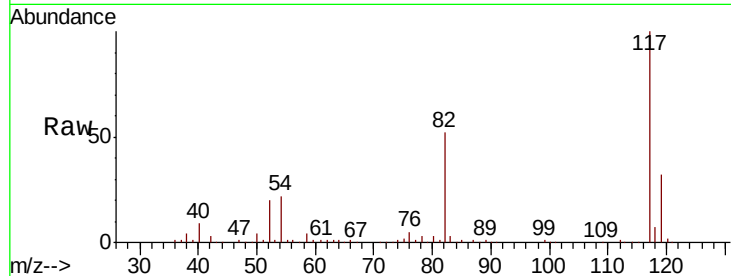
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

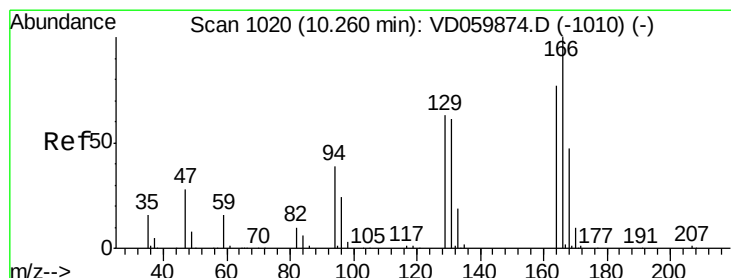
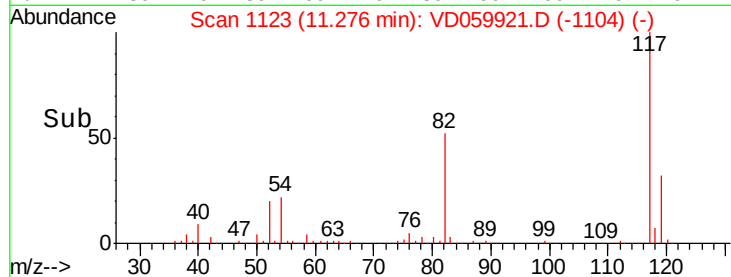
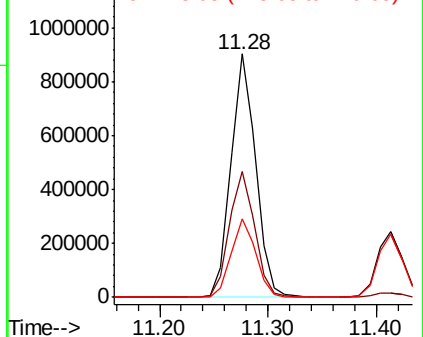
Tot Ion:117 Resp: 1441646
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 32.1 26.7 40.1

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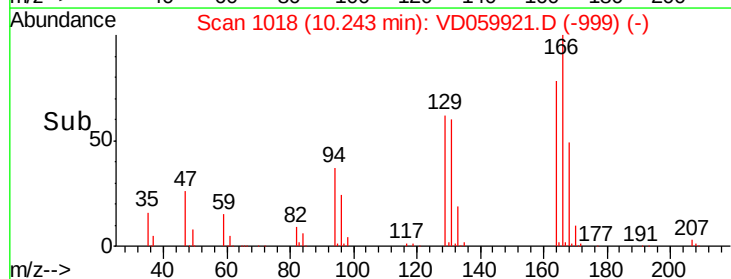
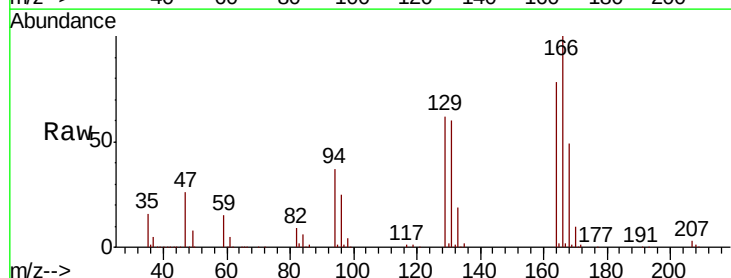
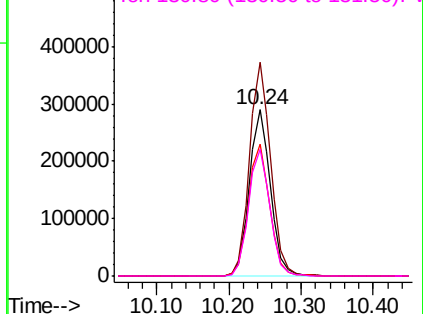
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

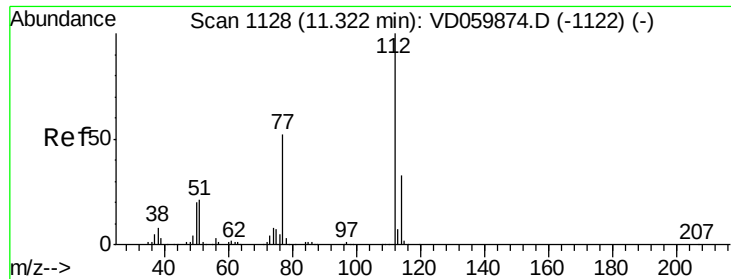


#64
Tetrachloroethene
Concen: 53.51 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:164 Resp: 596437
Ion Ratio Lower Upper
164 100
166 128.6 103.4 155.2
129 79.3 65.2 97.8
131 76.7 63.1 94.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





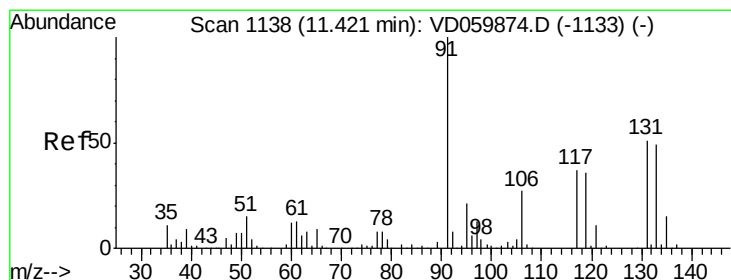
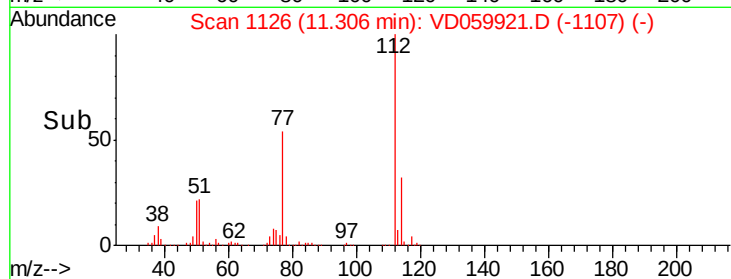
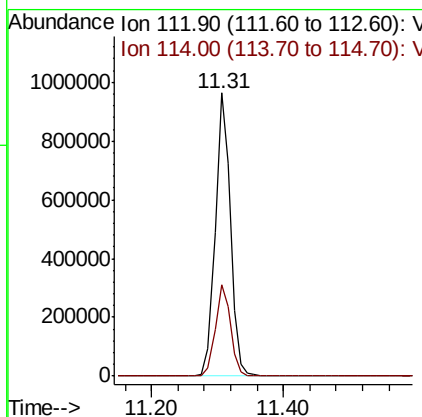
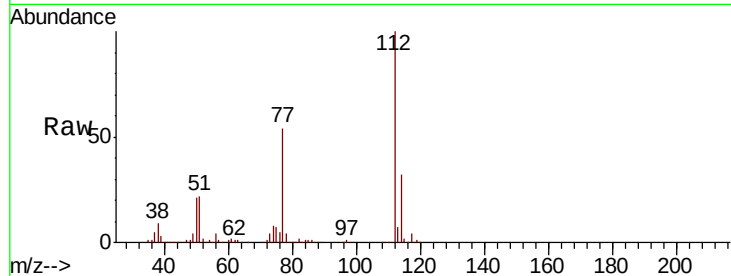
#65
Chlorobenzene
Concen: 53.02 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1518785
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6

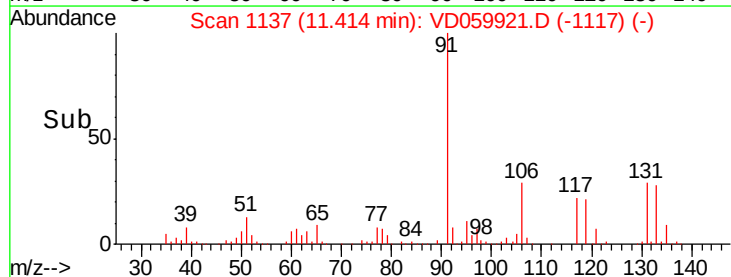
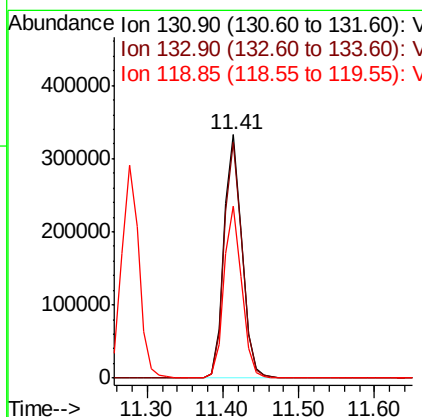
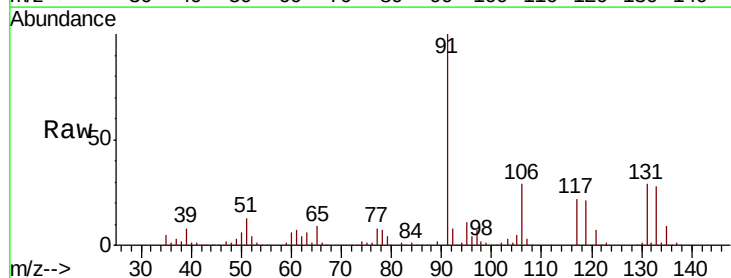
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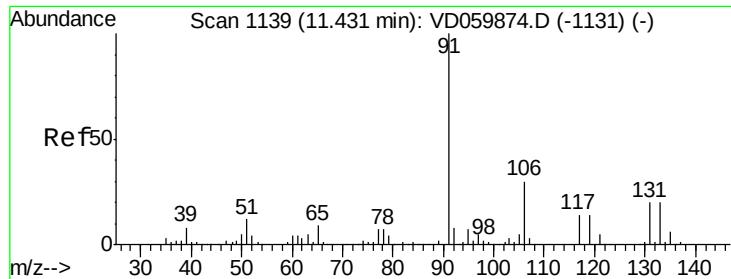
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.31 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:131 Resp: 547534
Ion Ratio Lower Upper
131 100
133 96.8 48.3 144.8
119 70.7 35.4 106.3





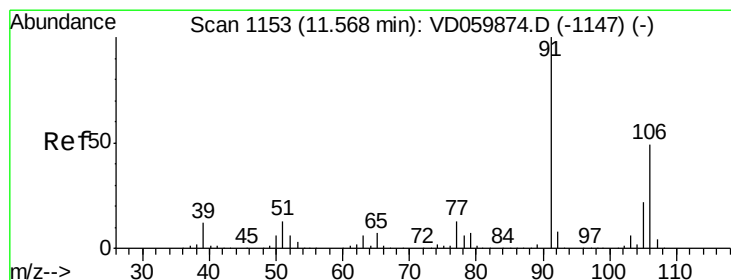
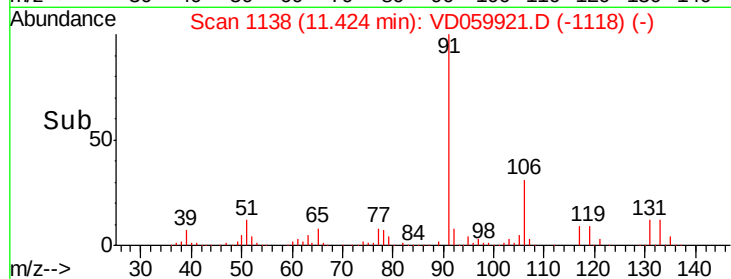
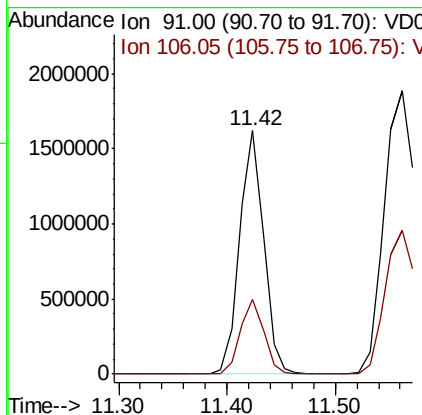
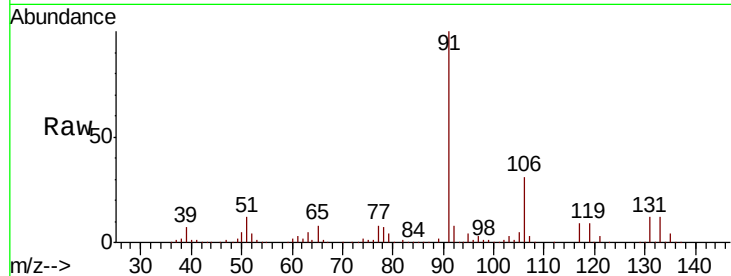
#67
Ethyl Benzene
Concen: 52.01 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2506744
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.8

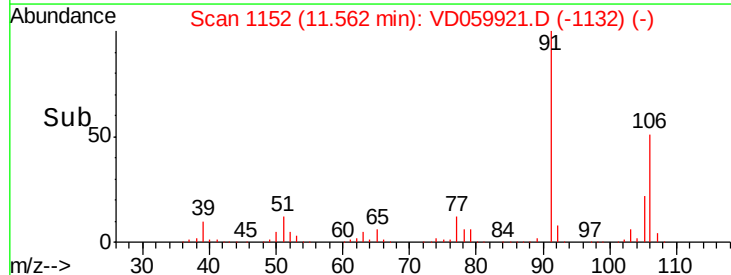
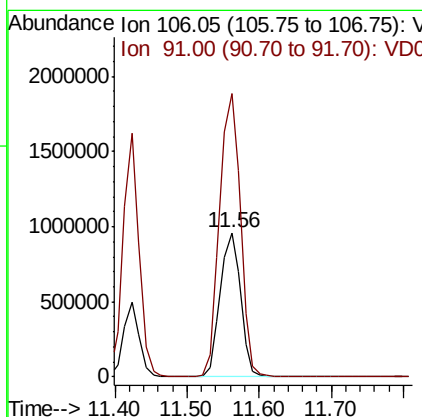
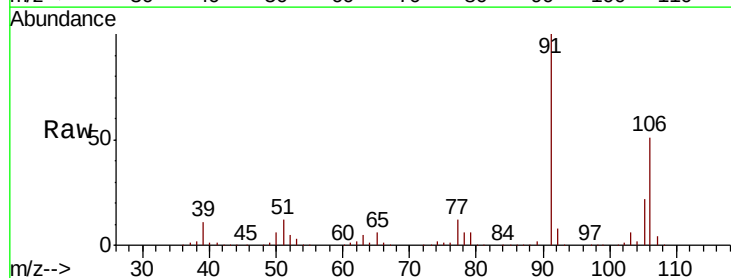
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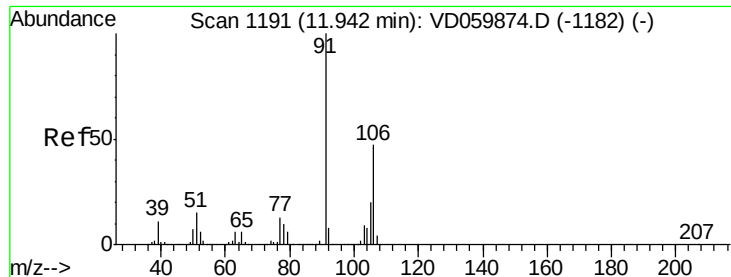
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#68
m/p-Xylenes
Concen: 106.42 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:106 Resp: 1867495
Ion Ratio Lower Upper
106 100
91 196.7 162.0 243.0





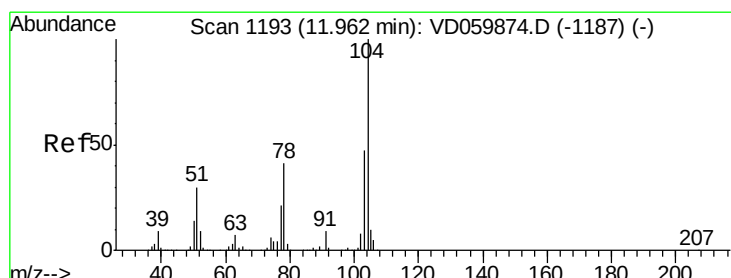
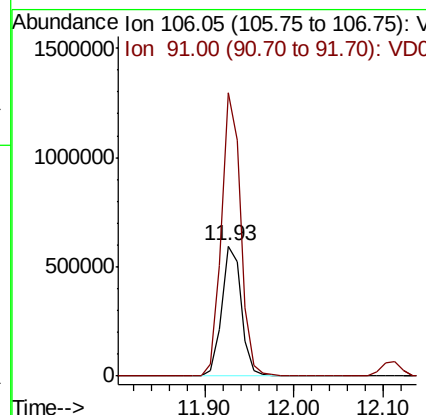
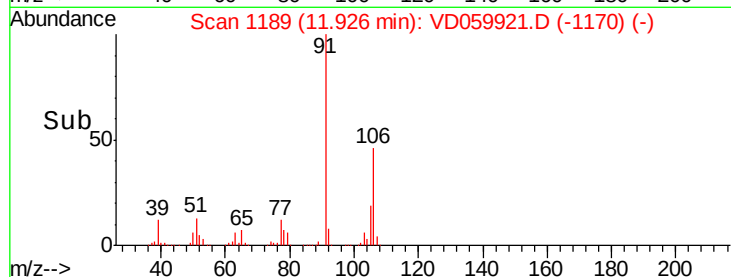
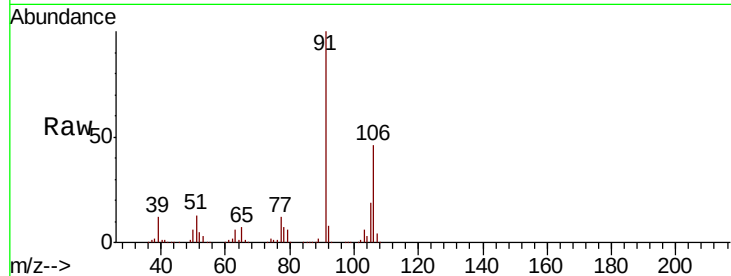
#69
o-Xylene
Concen: 53.89 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.5	107.3	322.0

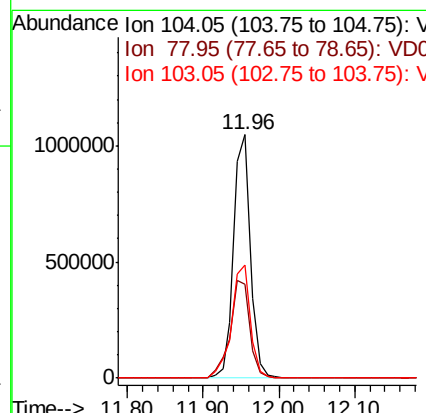
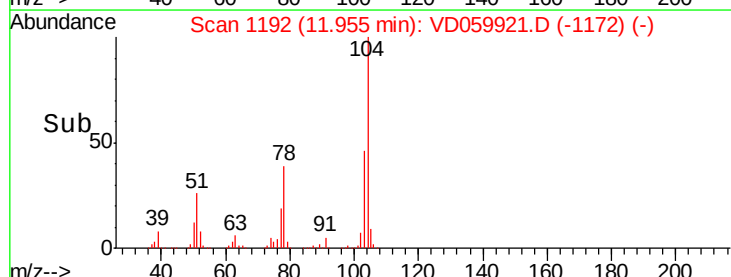
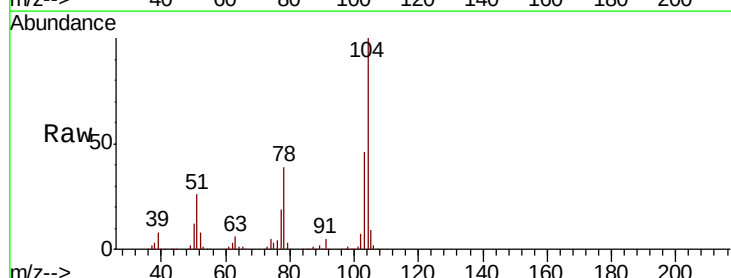
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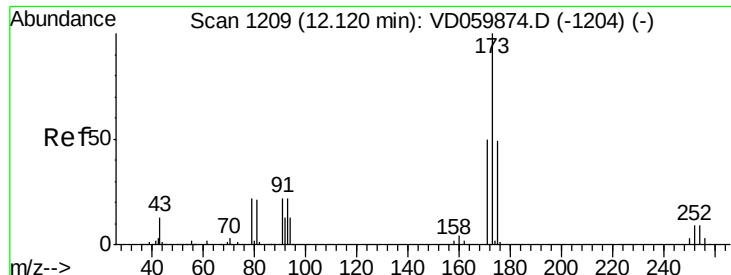
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#70
Styrene
Concen: 53.75 ug/l
RT: 11.96 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.8	32.6	49.0
103	46.2	37.7	56.5





#71

Bromoform

Concen: 53.94 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 488485

Ion Ratio Lower Upper

173 100

175 50.1 24.3 73.0

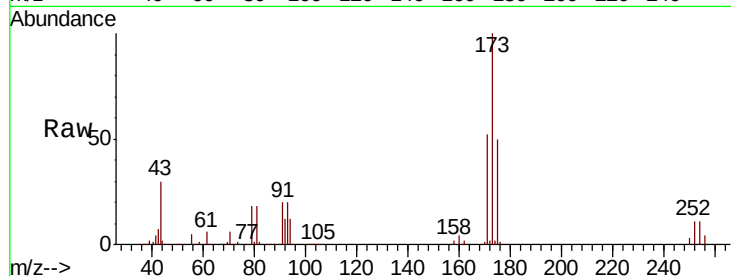
254 11.2 7.0 10.6#

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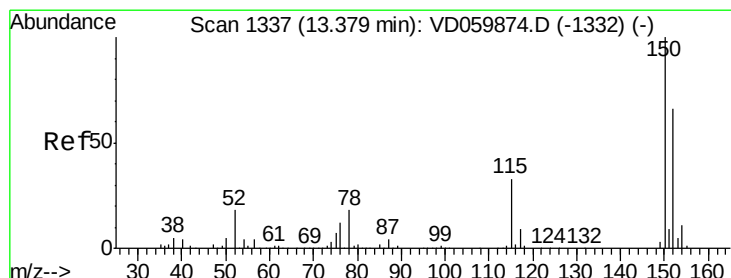
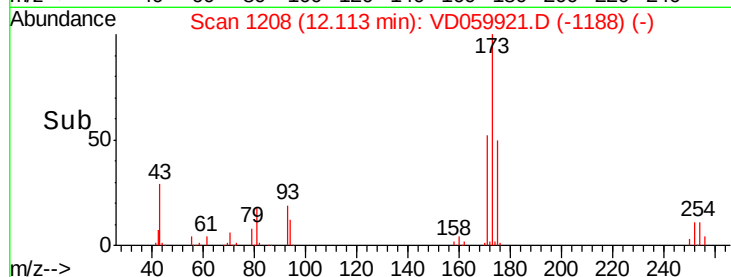
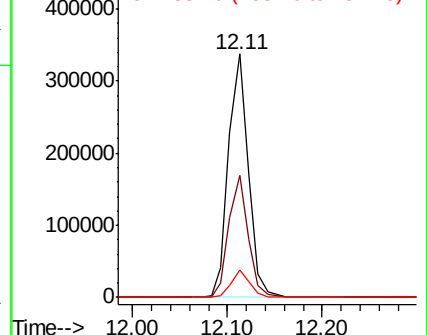
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

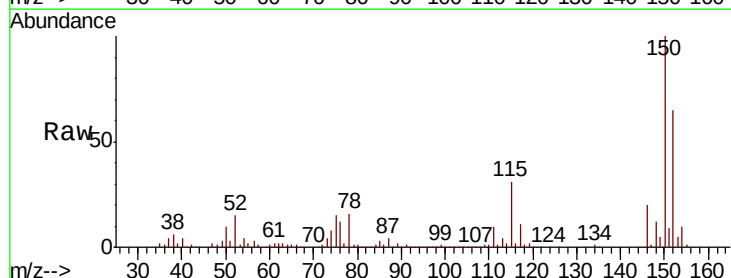
Tgt Ion:152 Resp: 745314

Ion Ratio Lower Upper

152 100

115 48.4 25.7 77.0

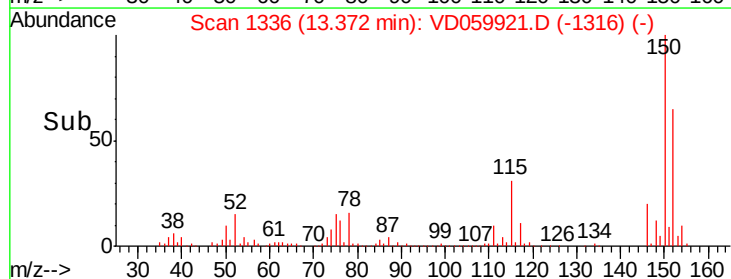
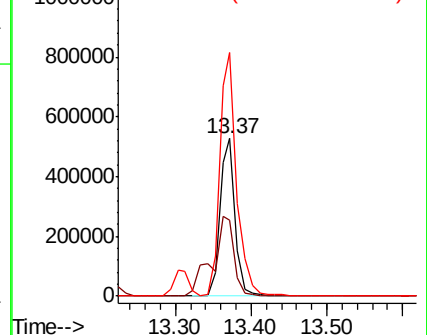
150 154.5 0.0 310.2

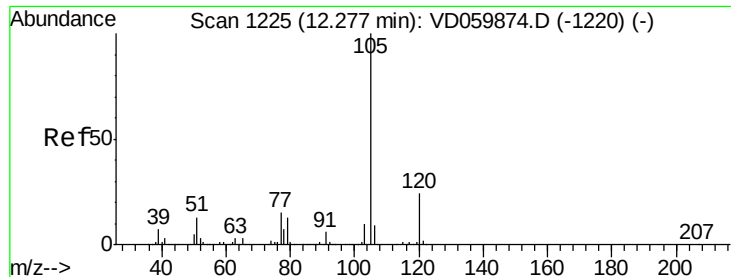


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.14 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2528033

Ion Ratio Lower Upper

105 100

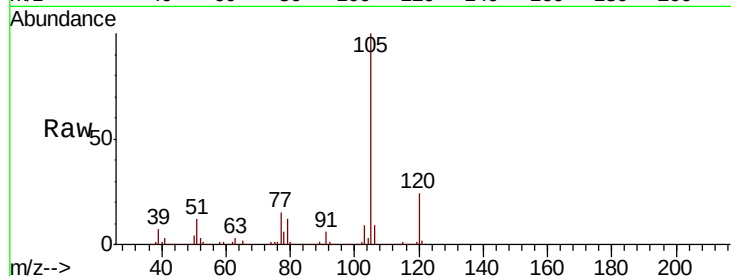
120 24.3 11.8 35.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

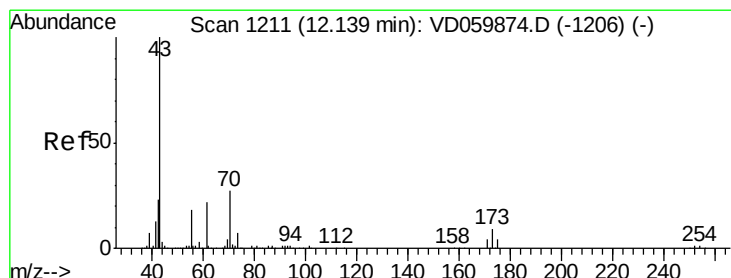
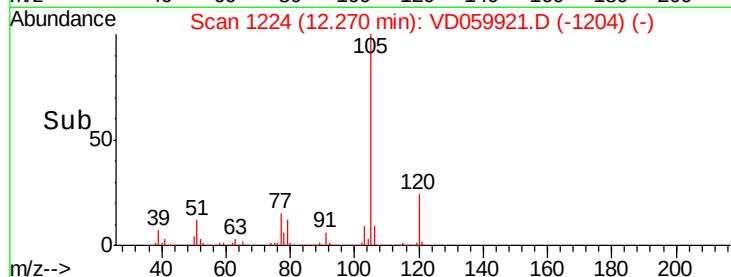
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 51.33 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion: 43 Resp: 1069265

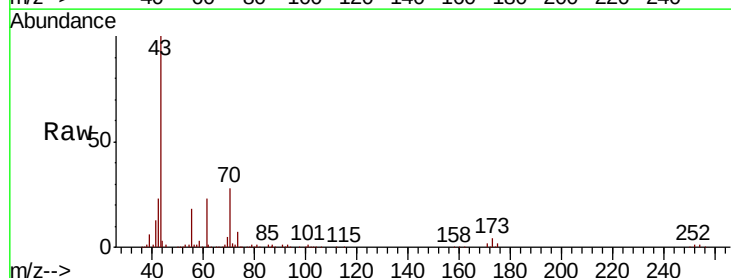
Ion Ratio Lower Upper

43 100

70 27.7 21.4 32.2

55 18.0 14.1 21.1

61 23.0 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

1200000

1000000

800000

600000

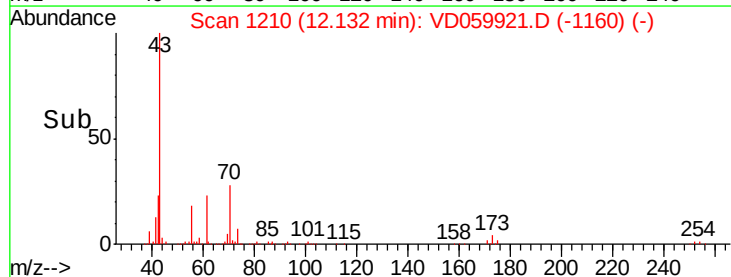
400000

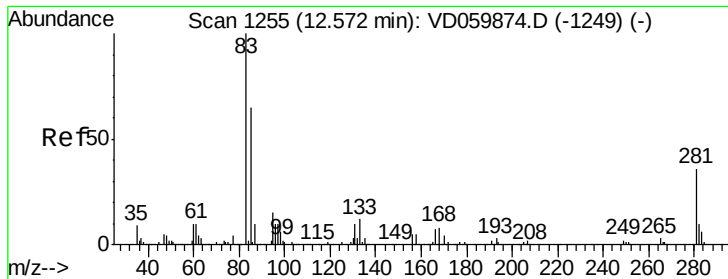
200000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.69 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 612869

Ion Ratio Lower Upper

83 100

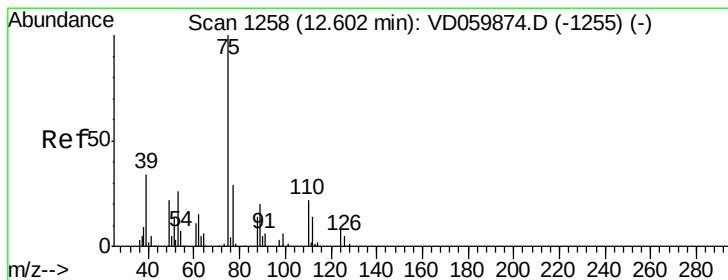
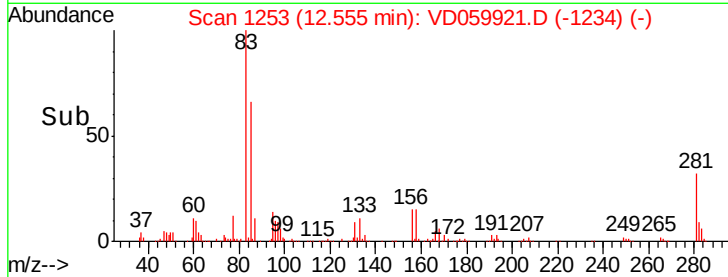
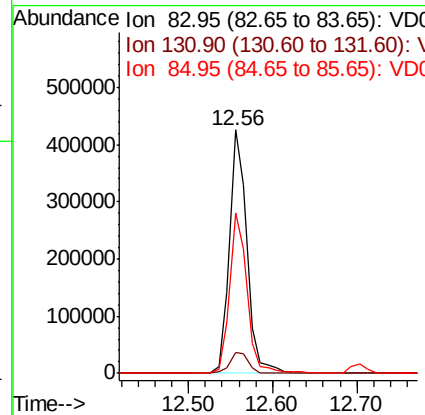
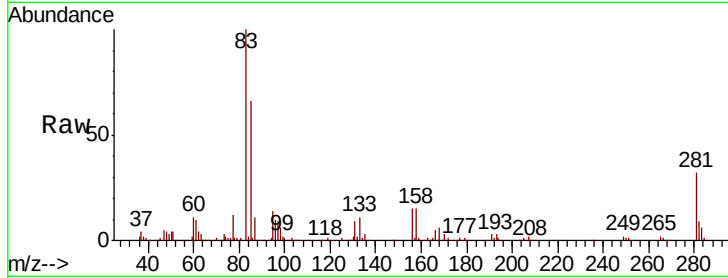
131 8.5 4.8 14.4

85 65.8 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 54.68 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059921.D

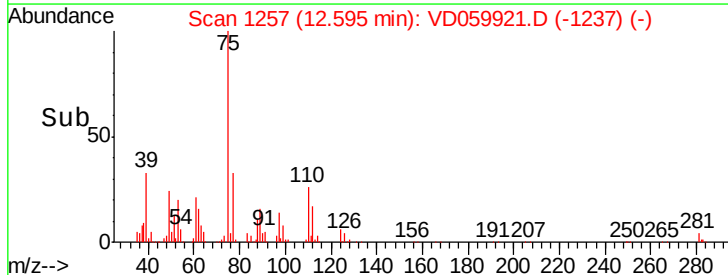
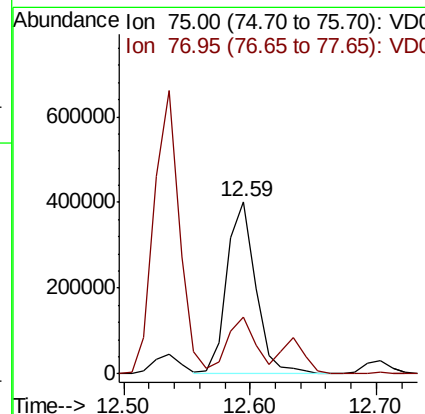
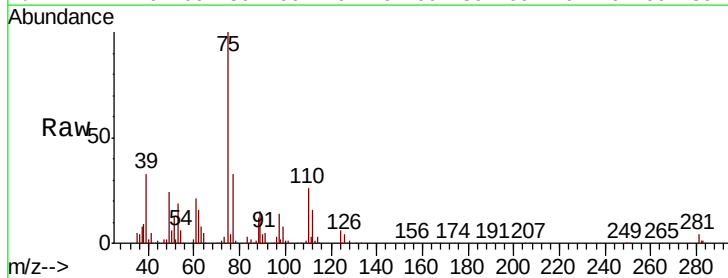
Acq: 30 Aug 2018 11:48

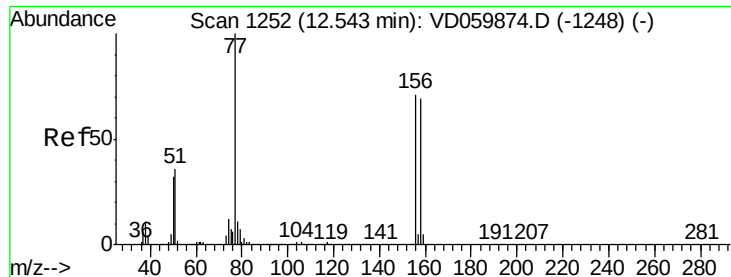
Tgt Ion: 75 Resp: 633405

Ion Ratio Lower Upper

75 100

77 33.0 16.4 49.2





#77

Bromobenzene

Concen: 55.92 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

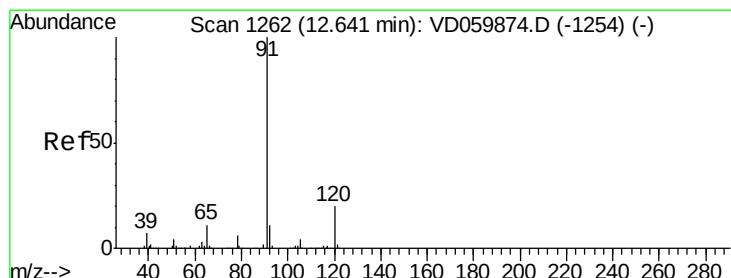
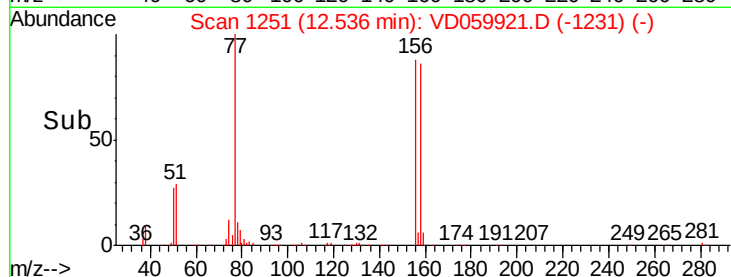
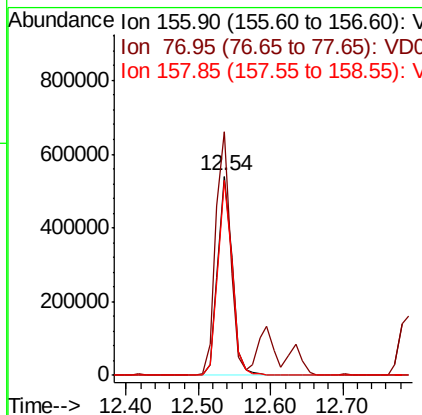
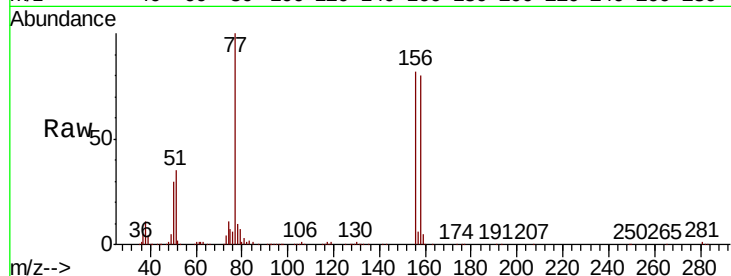
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	122.4	70.2	210.4
158	97.8	48.4	145.2

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#78

n-propylbenzene

Concen: 52.73 ug/l

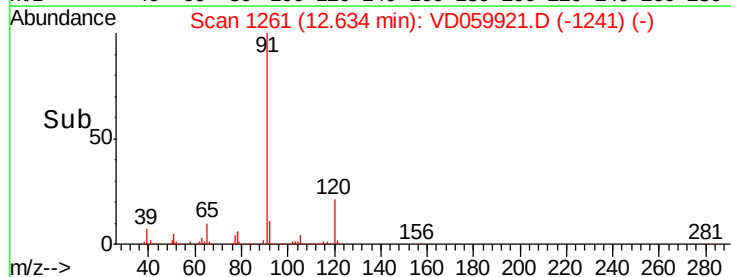
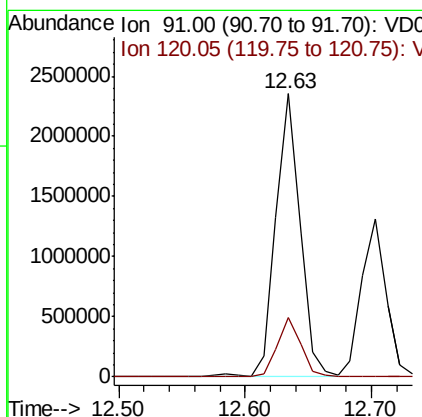
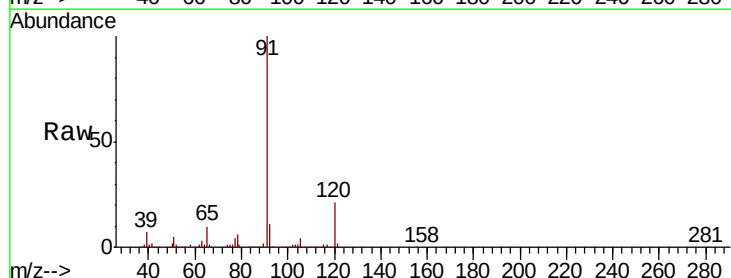
RT: 12.63 min Scan# 1261

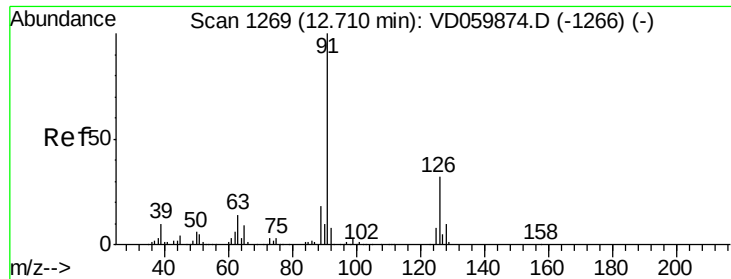
Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.1	30.3





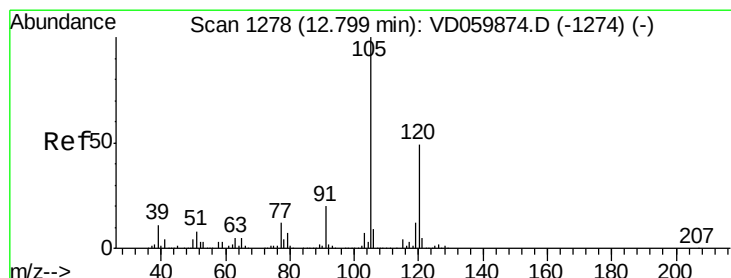
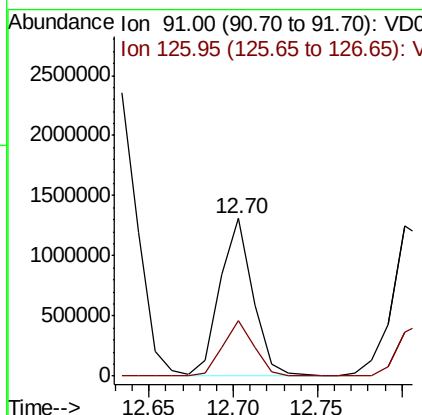
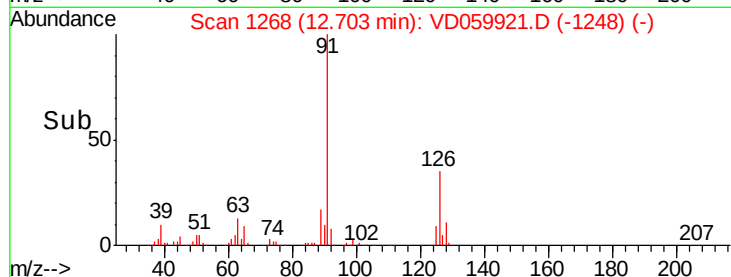
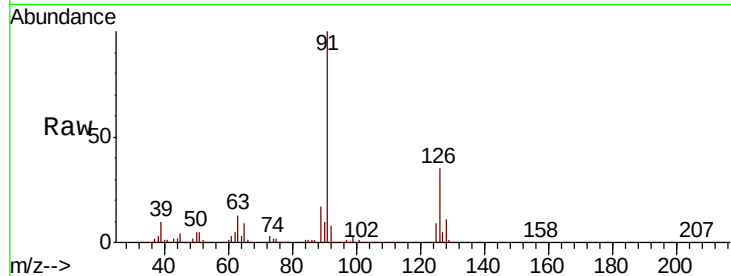
#79
2-Chlorotoluene
Concen: 51.99 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1771418
Ion Ratio Lower Upper
91 100
126 34.9 16.1 48.2

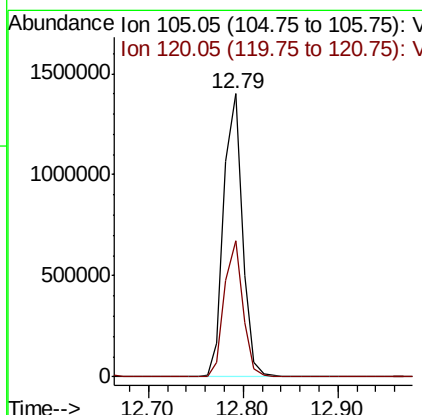
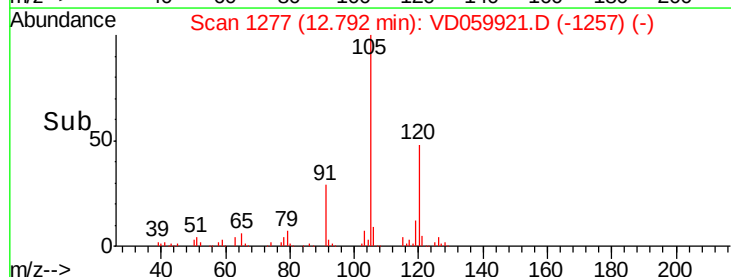
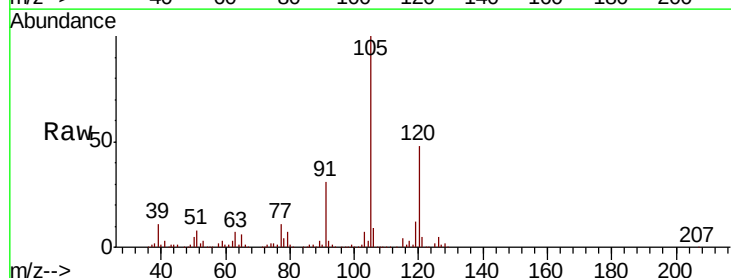
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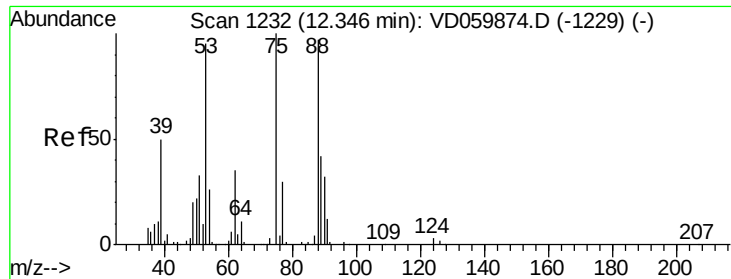
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#80
1,3,5-Trimethylbenzene
Concen: 50.66 ug/l
RT: 12.79 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion:105 Resp: 1916098
Ion Ratio Lower Upper
105 100
120 48.3 24.5 73.5





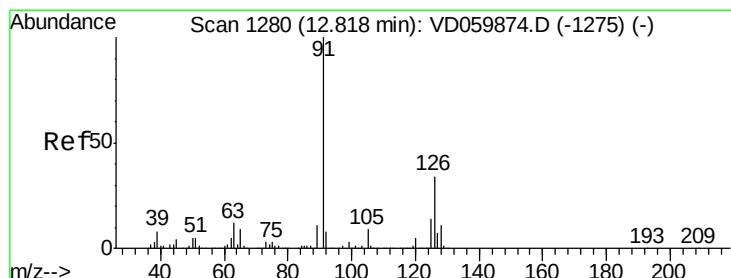
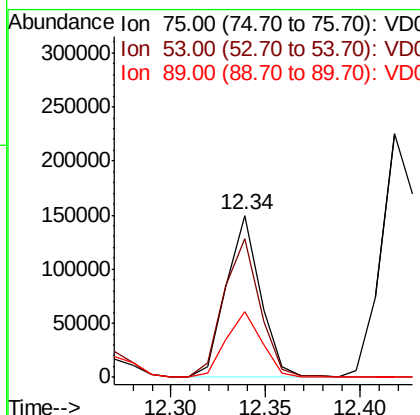
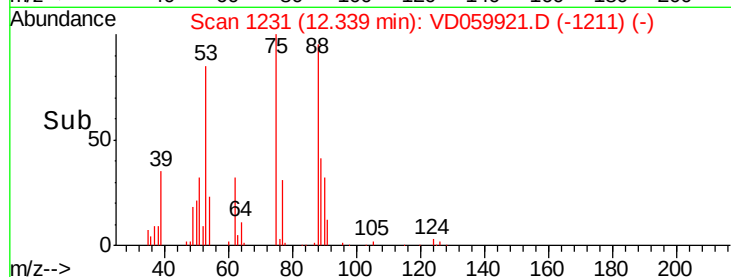
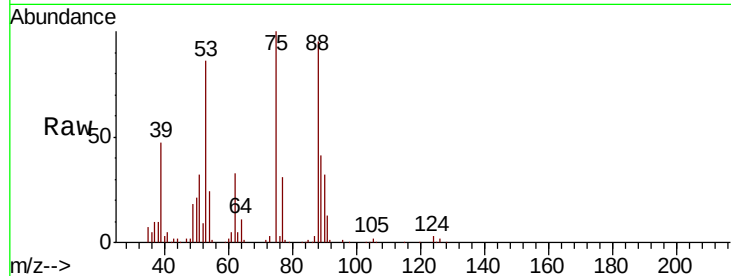
#81
trans-1,4-Dichloro-2-butene
Concen: 51.62 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	75.8	113.6
89	40.9	33.6	50.4

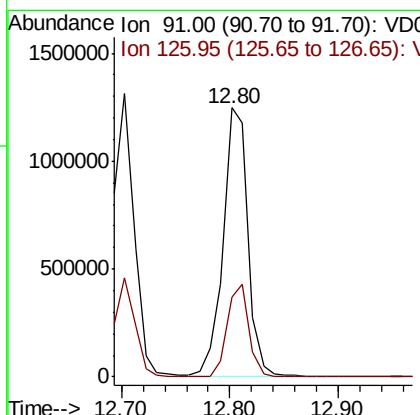
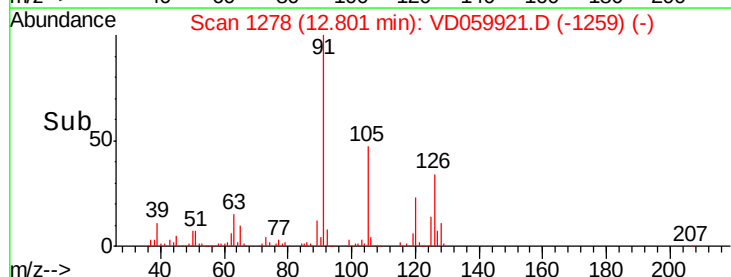
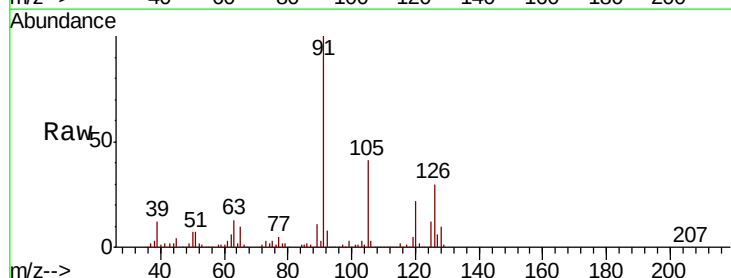
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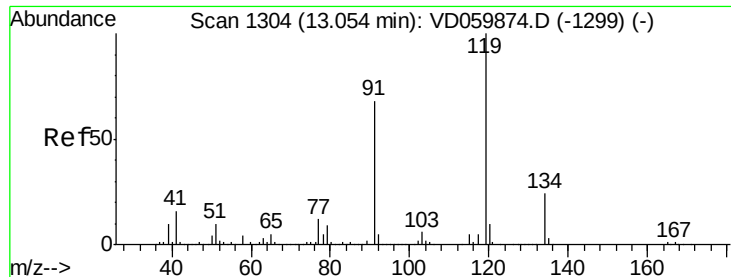
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#82
4-Chlorotoluene
Concen: 50.76 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD059921.D
Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	17.1	51.2





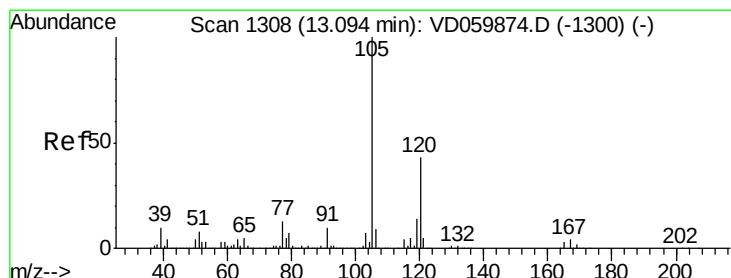
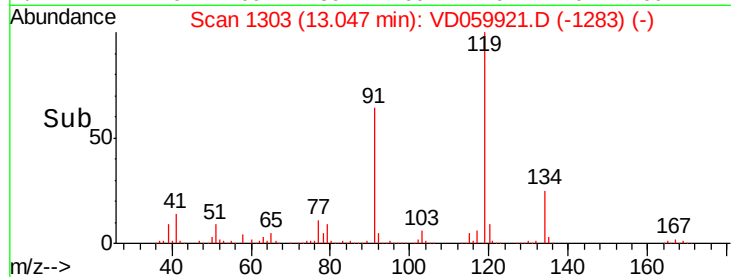
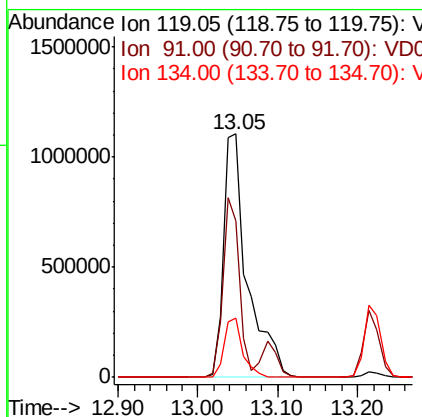
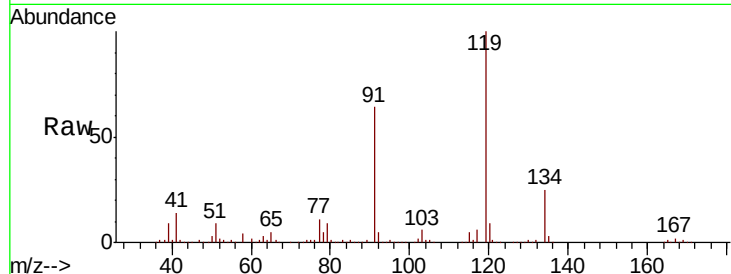
#83
 tert-Butylbenzene
 Concen: 53.81 ug/l
 RT: 13.05 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 2318567
 Ion Ratio Lower Upper
 119 100
 91 64.5 34.3 102.9
 134 24.5 11.9 35.9

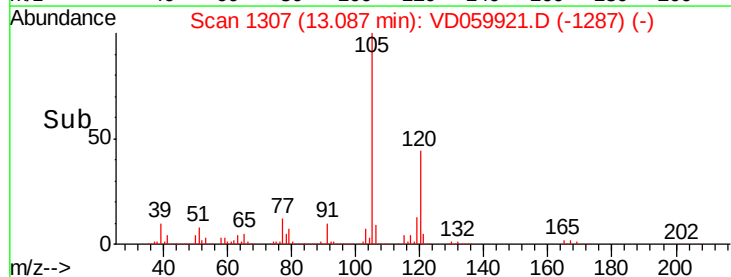
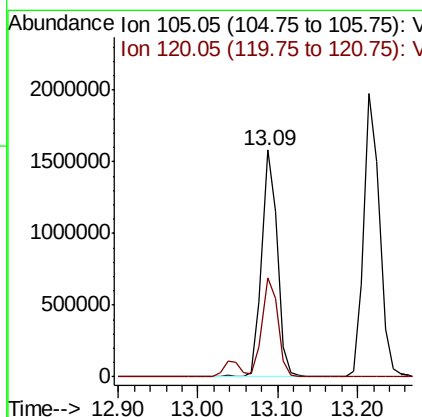
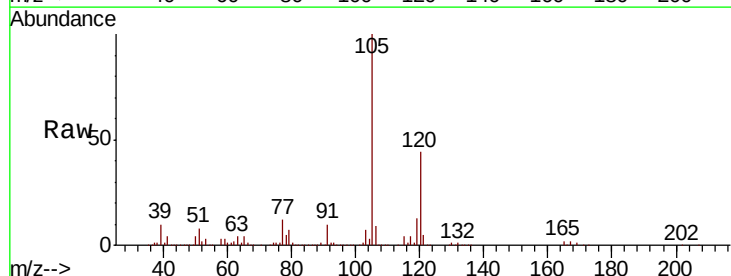
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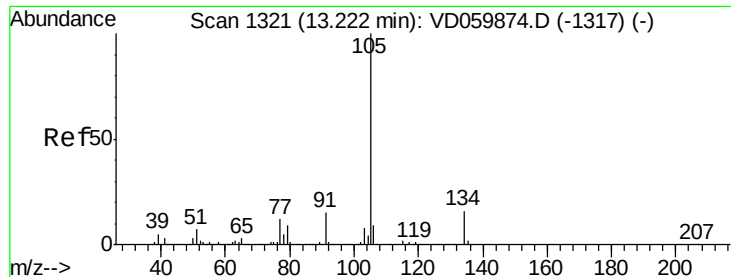
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.34 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion:105 Resp: 2102934
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.3





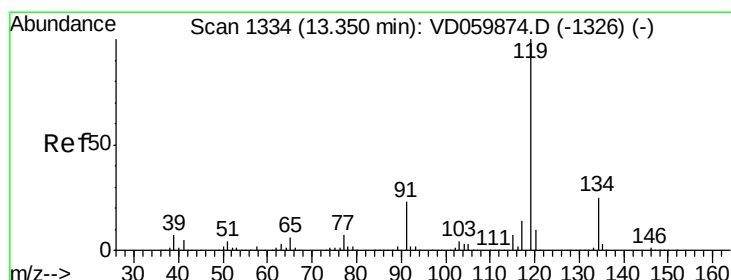
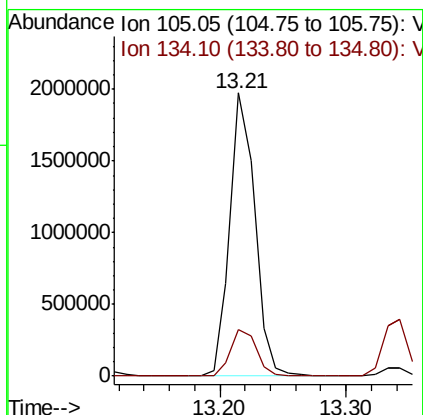
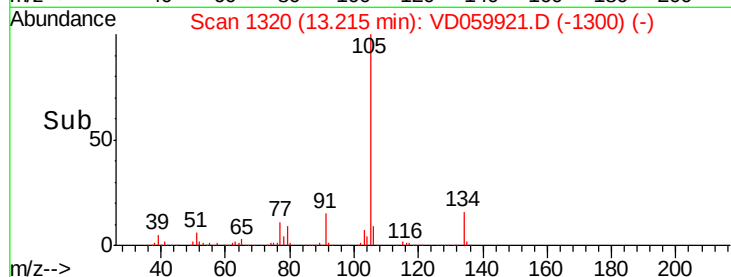
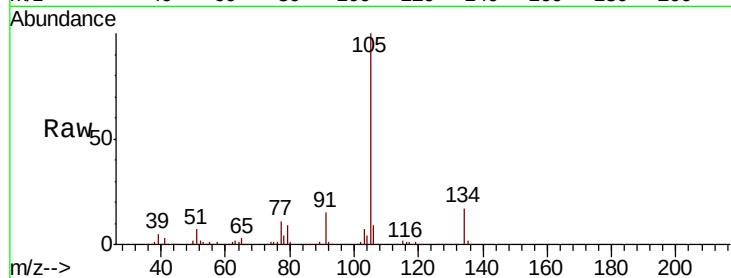
#85
 sec-Butylbenzene
 Concen: 53.21 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2696161
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.2 24.4

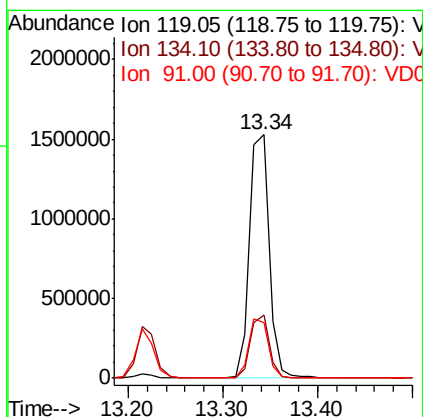
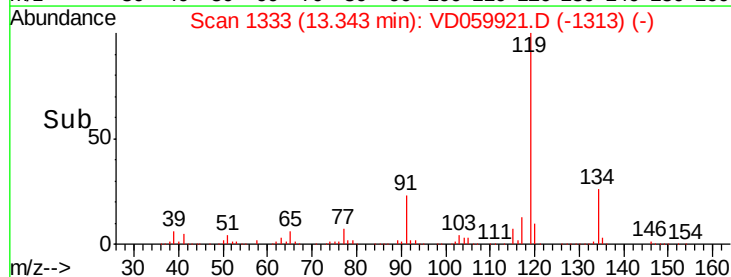
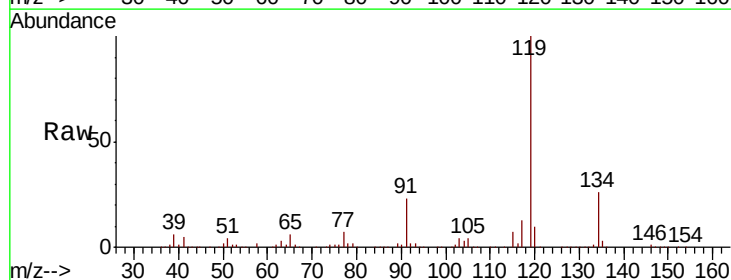
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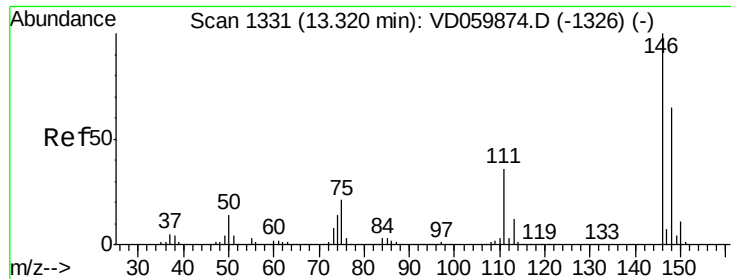
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#86
 p-Isopropyltoluene
 Concen: 53.45 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion:119 Resp: 2202606
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 22.6 11.7 35.0





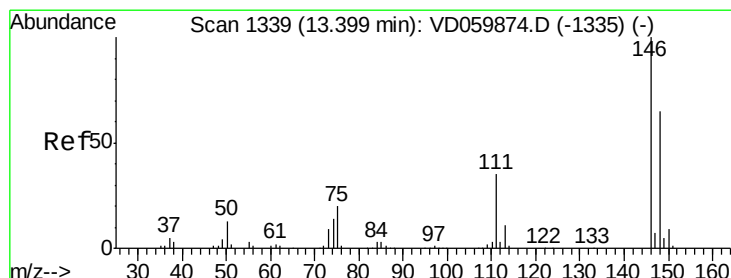
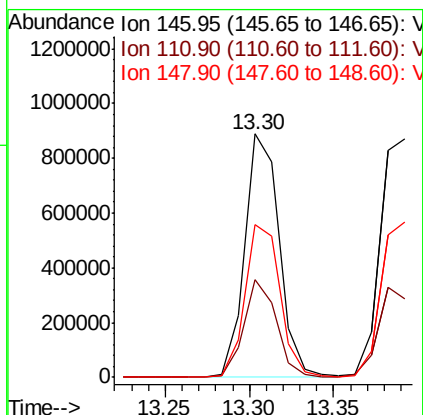
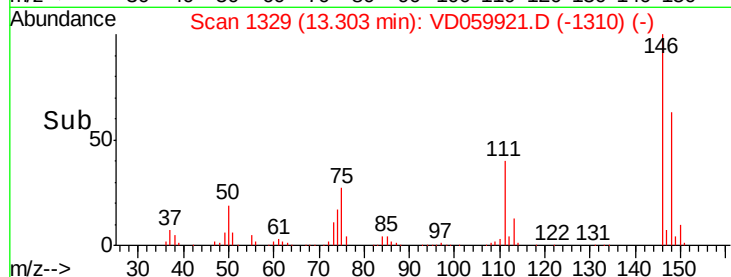
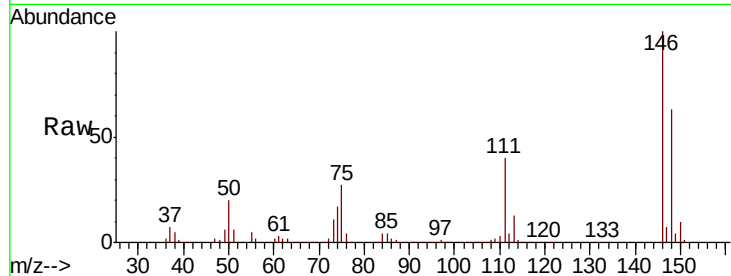
#87
 1,3-Dichlorobenzene
 Concen: 53.53 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	17.9	53.7
148	62.9	32.4	97.0

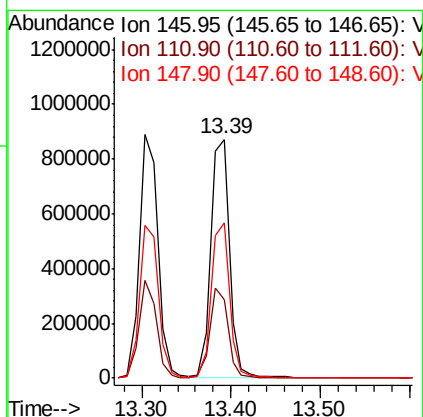
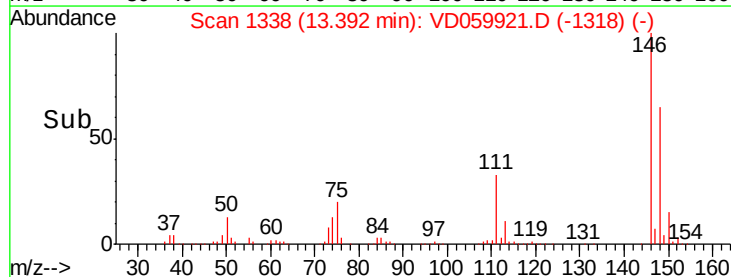
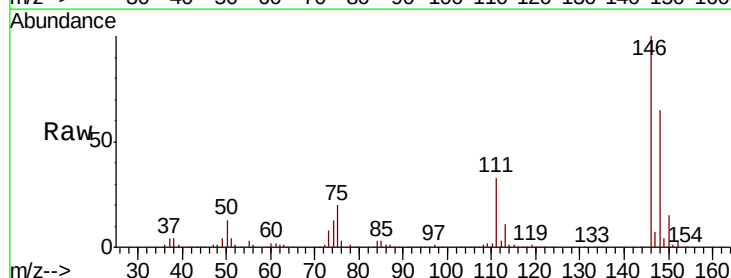
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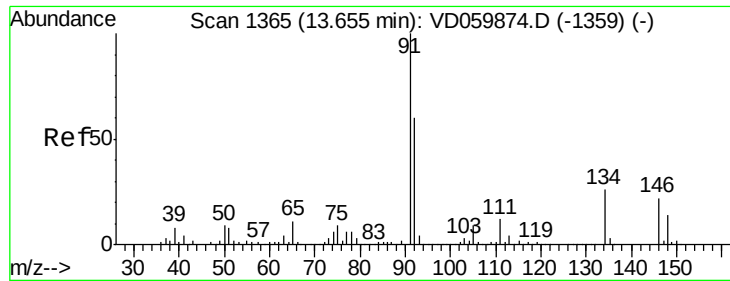
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#88
 1,4-Dichlorobenzene
 Concen: 53.85 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.0	17.5	52.6
148	65.0	32.5	97.5





#89

n-Butylbenzene

Concen: 56.85 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2174684

Ion Ratio Lower Upper

91 100

92 59.7 30.0 90.1

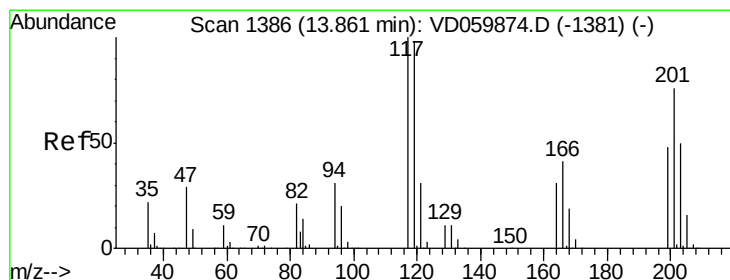
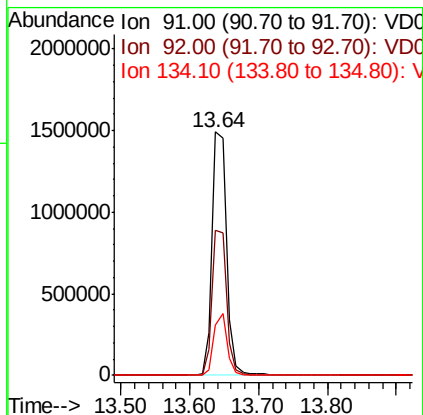
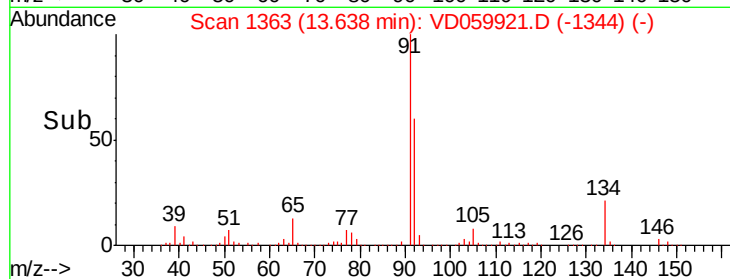
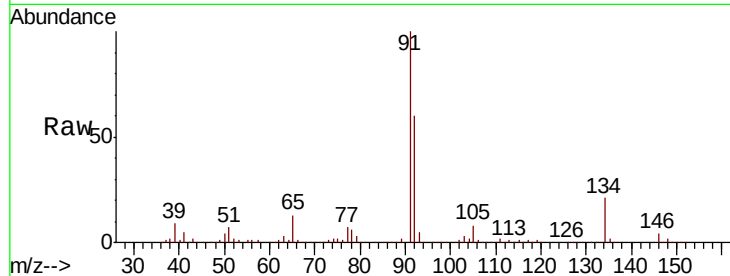
134 20.5 12.8 38.4

Manual Integrations

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#90

Hexachloroethane

Concen: 51.77 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059921.D

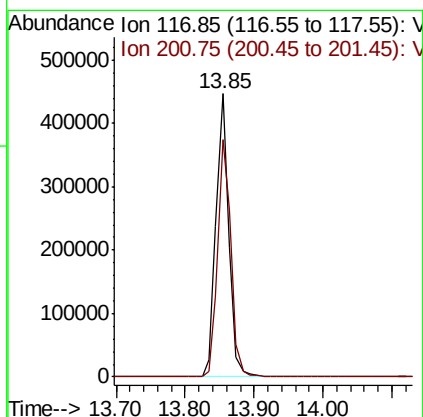
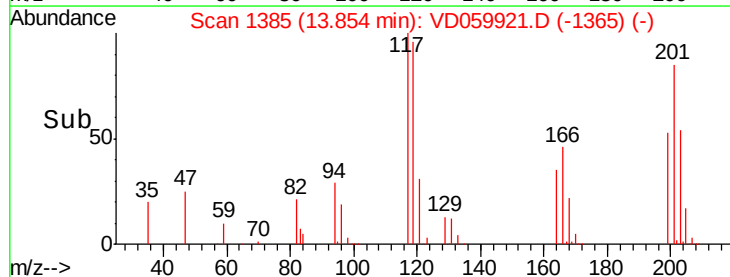
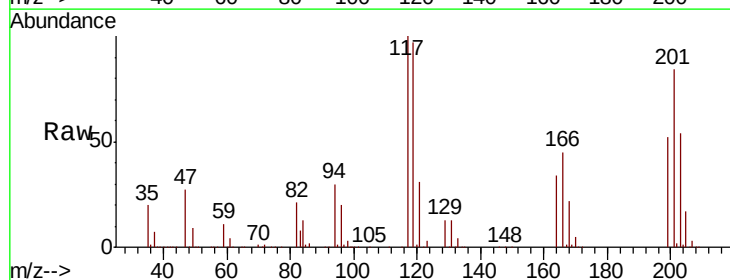
Acq: 30 Aug 2018 11:48

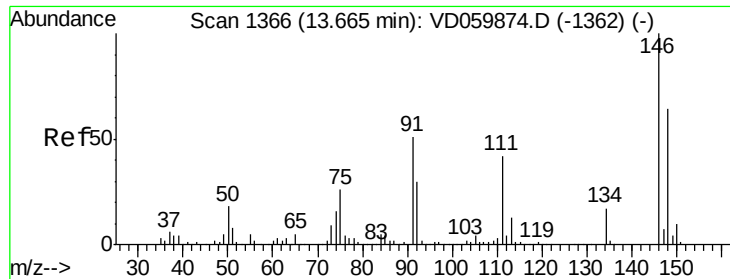
Tgt Ion: 117 Resp: 572799

Ion Ratio Lower Upper

117 100

201 84.0 38.1 114.5





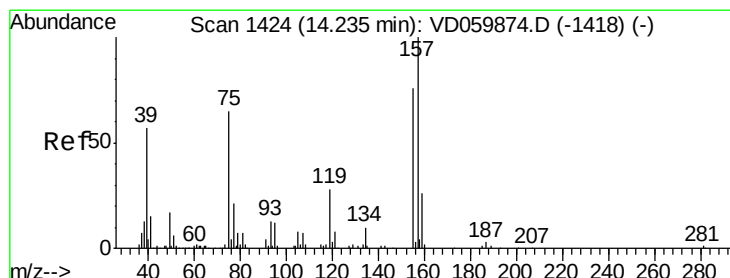
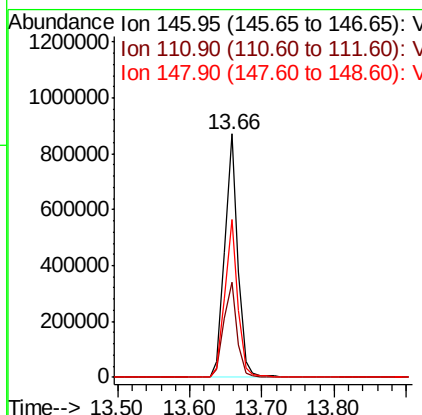
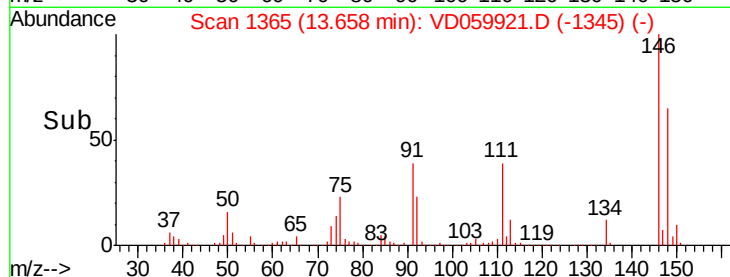
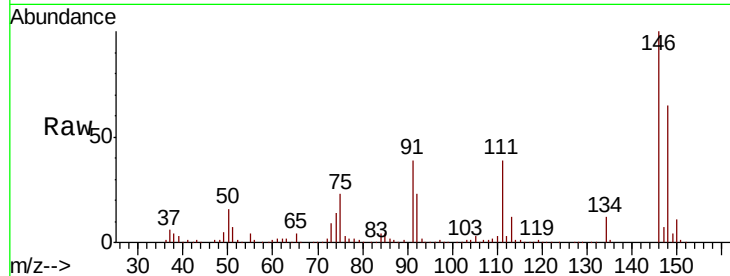
#91
 1,2-Dichlorobenzene
 Concen: 54.22 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.1	63.1
148	65.0	32.2	96.6

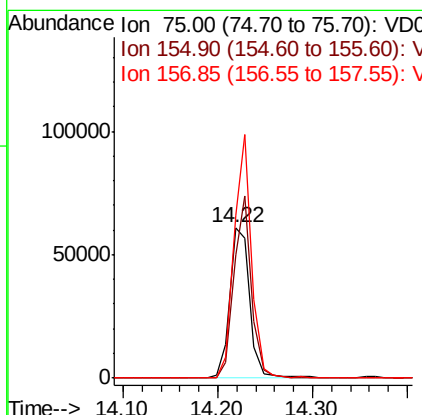
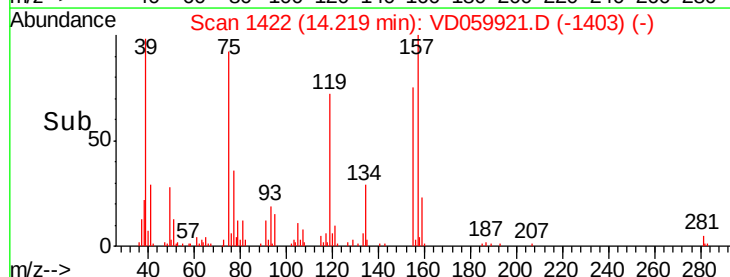
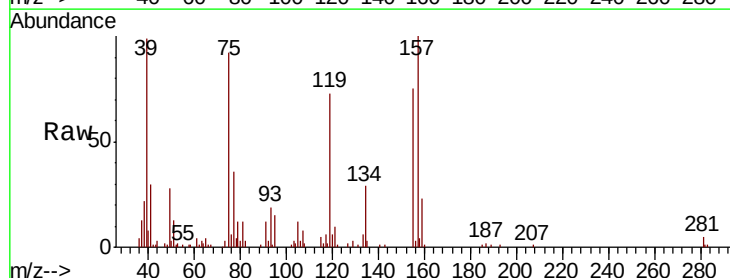
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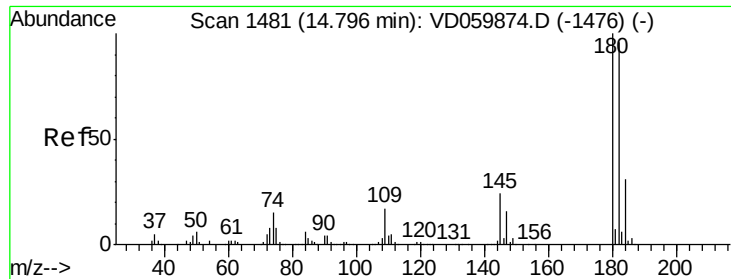
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.96 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	58.2	174.6
157	108.3	76.8	230.4





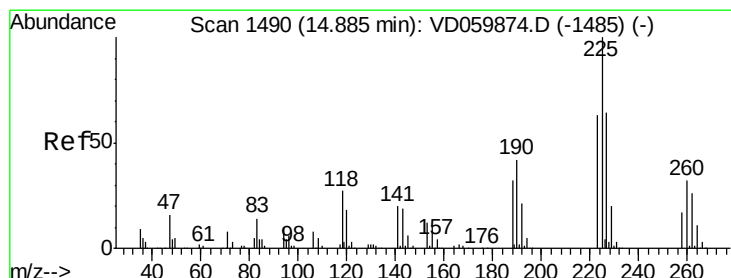
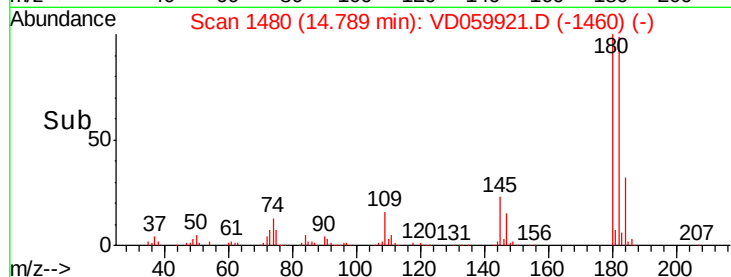
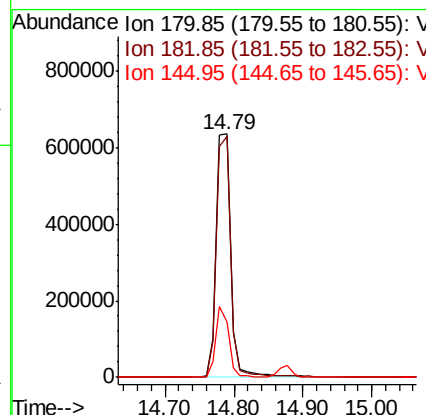
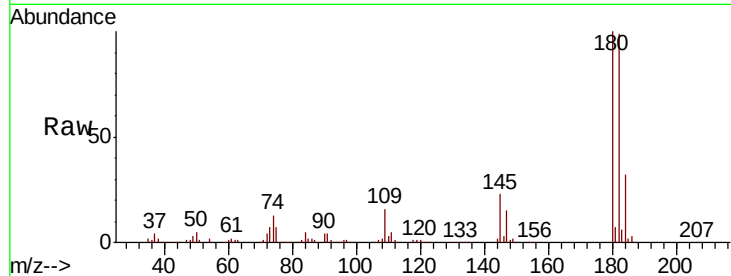
#93
 1,2,4-Trichlorobenzene
 Concen: 54.51 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	934492		
182	99.0	47.9	143.7	
145	23.0	12.2	36.4	

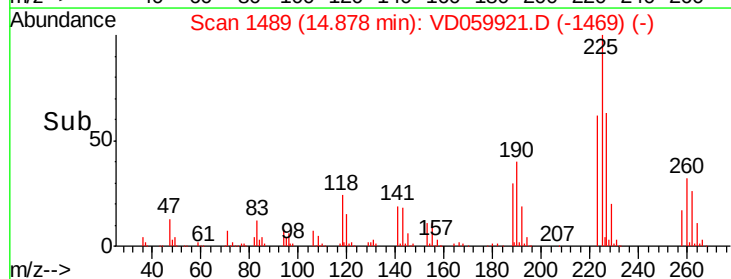
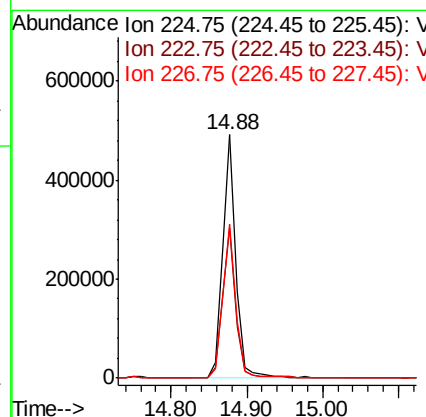
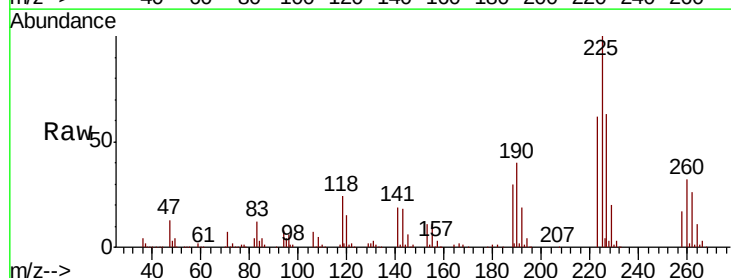
Manual Integrations
 APPROVED

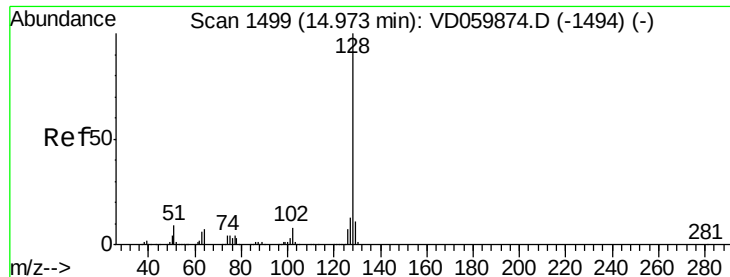
apatel
 8/31/2018 12:29:40 PM



#94
 Hexachlorobutadiene
 Concen: 54.77 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059921.D
 Acq: 30 Aug 2018 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	615592		
223	61.6	31.6	94.8	
227	63.1	32.0	96.0	





#95

Naphthalene

Concen: 54.14 ug/l

RT: 14.97 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Instrument :

MSVOA_D

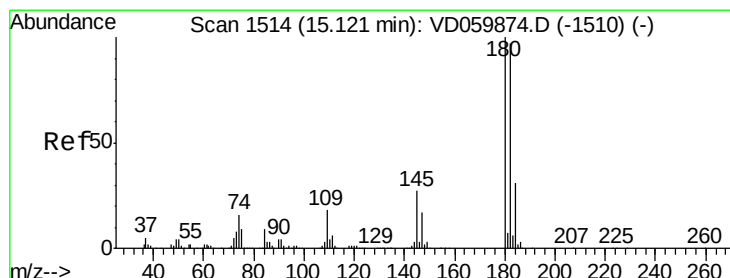
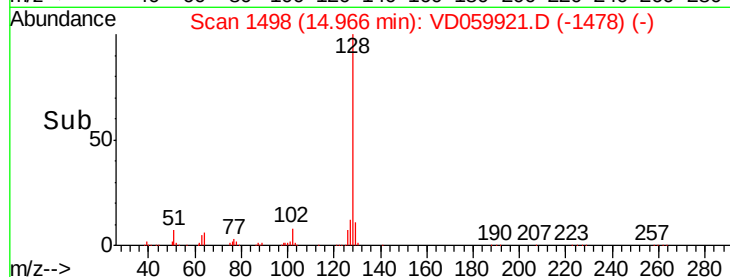
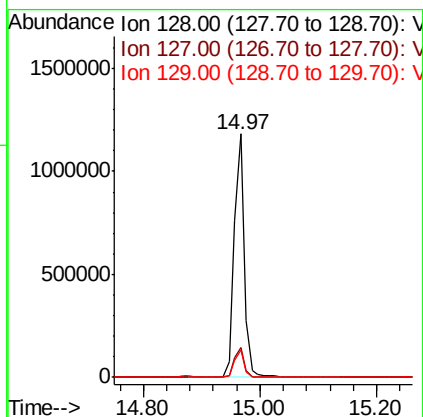
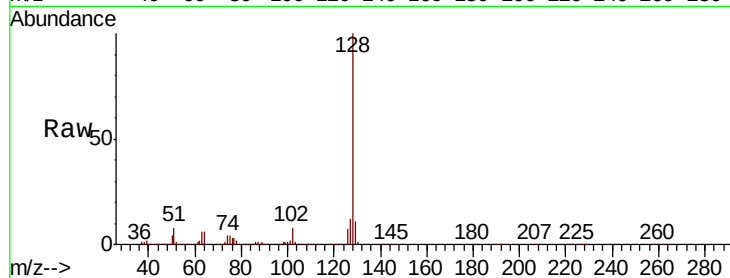
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1418565
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
8/31/2018 12:29:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.76 ug/l

RT: 15.11 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD059921.D

Acq: 30 Aug 2018 11:48

Tgt Ion:	180	Resp:	788238
Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.6	145.8
145	25.4	13.6	40.8

