

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059848.D
 Acq On : 21 Aug 2018 11:15
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/22/2018 12:42:33 PM

Quant Time: Aug 22 01:16:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	1182747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1650655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1329994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	616311	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	471128	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	5.51	113	651508	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	8.67	98	1715322	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.91	95	656325	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	489879	48.09	ug/l	99
3) Chloromethane	1.47	50	387513	44.90	ug/l	97
4) Vinyl Chloride	1.54	62	332061	48.01	ug/l	99
5) Bromomethane	1.77	94	53894	59.30	ug/l	87
6) Chloroethane	1.86	64	90071	57.56	ug/l	96
7) Trichlorofluoromethane	2.07	101	360458	51.77	ug/l	99
8) Diethyl Ether	2.32	74	75289	48.38	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.53	101	232538	52.51	ug/l	97
10) Methyl Iodide	2.67	142	241423	47.33	ug/l	94
11) Tert butyl alcohol	3.22	59	91030	260.15	ug/l	95
12) 1,1-Dichloroethene	2.52	96	177882	57.63	ug/l	91
13) Acrolein	2.44	56	90275	251.90	ug/l	98
14) Allyl chloride	2.89	41	443153	47.86	ug/l	100
15) Acrylonitrile	3.33	53	386513	238.65	ug/l	97
16) Acetone	2.58	43	436896	275.38	ug/l	99
17) Carbon Disulfide	2.73	76	610071	52.14	ug/l	100
18) Methyl Acetate	2.90	43	157015	48.91	ug/l	100
19) Methyl tert-butyl Ether	3.37	73	958425	46.83	ug/l	97
20) Methylene Chloride	3.03	84	192052	48.26	ug/l	92
21) trans-1,2-Dichloroethene	3.35	96	484141	49.75	ug/l	98
22) Diisopropyl ether	4.03	45	2262444	47.83	ug/l	100
23) Vinyl Acetate	3.98	43	6162135	242.51	ug/l	99
24) 1,1-Dichloroethane	3.93	63	1000142	48.08	ug/l	99
25) 2-Butanone	4.79	43	1277318	266.35	ug/l	98
26) 2,2-Dichloropropane	4.75	77	776064	47.55	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	617786	49.90	ug/l	99
28) Bromochloromethane	5.10	49	531603	50.43	ug/l	100
29) Tetrahydrofuran	5.14	42	573168	236.05	ug/l	98
30) Chloroform	5.28	83	995140	48.48	ug/l	99
31) Cyclohexane	5.55	56	864889	50.10	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	851885	49.25	ug/l	97
36) 1,1-Dichloropropene	5.71	75	722337	51.60	ug/l	99
37) Ethyl Acetate	4.88	43	524163	50.51	ug/l	98
38) Carbon Tetrachloride	5.68	117	700513	50.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	782675	52.27	µg/l	98
40) Benzene	5.97	78	1860562	51.30	µg/l	100
41) Methacrylonitrile	5.08	41	257673	48.47	µg/l	97
42) 1,2-Dichloroethane	6.09	62	582705	49.34	µg/l	99
43) Isopropyl Acetate	7.58	43	701061	48.84	µg/l	100
44) Trichloroethene	6.94	130	564749	52.36	µg/l	99
45) 1,2-Dichloropropane	7.31	63	507002	47.61	µg/l	99
46) Dibromomethane	7.42	93	331841	50.04	µg/l	97
47) Bromodichloromethane	7.71	83	722393	49.34	µg/l	100
48) Methyl methacrylate	7.47	41	386762	48.86	µg/l	97
49) 1,4-Dioxane	7.45	88	73037	1090.24	µg/l	98
51) 4-Methyl-2-Pentanone	8.56	43	2581972	269.07	µg/l	100
52) Toluene	8.77	92	1174762	51.22	µg/l	100
53) t-1,3-Dichloropropene	9.15	75	677513	50.80	µg/l	99
54) cis-1,3-Dichloropropene	8.33	75	803311	50.30	µg/l	99
55) 1,1,2-Trichloroethane	9.42	97	406765	49.13	µg/l	98
56) Ethyl methacrylate	9.28	69	452436	47.39	µg/l	100
57) 1,3-Dichloropropane	9.63	76	604311	49.92	µg/l	98
58) 2-Chloroethyl Vinyl ether	8.15	63	1224917	232.55	µg/l	98
59) 2-Hexanone	9.75	43	1951997	275.20	µg/l	98
60) Dibromochloromethane	9.92	129	523207	49.08	µg/l	99
61) 1,2-Dibromoethane	10.06	107	443515	50.14	µg/l	100
64) Tetrachloroethene	9.48	164	508534	52.22	µg/l	97
65) Chlorobenzene	10.70	112	1267331	49.41	µg/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	443268	50.63	µg/l	97
67) Ethyl Benzene	10.83	91	2064505	49.23	µg/l	98
68) m/p-Xylenes	10.98	106	1478560	95.05	µg/l	100
69) o-Xylene	11.38	106	753507	50.70	µg/l	100
70) Styrene	11.41	104	1284047	49.61	µg/l	98
71) Bromoform	11.57	173	396983	50.46	µg/l	98
73) Isopropylbenzene	11.75	105	2082325	49.58	µg/l	99
74) N-amyl acetate	11.62	43	853348	45.37	µg/l	100
75) 1,1,2,2-Tetrachloroethane	12.06	83	466242	47.10	µg/l	100
76) 1,2,3-Trichloropropane	12.09	75	469834	46.08	µg/l	99
77) Bromobenzene	12.02	156	586406	50.23	µg/l	91
78) n-propylbenzene	12.14	91	2487820	47.69	µg/l	99
79) 2-Chlorotoluene	12.19	91	1480770	49.30	µg/l	99
80) 1,3,5-Trimethylbenzene	12.29	105	1485550	48.06	µg/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	152991	48.00	µg/l	91
82) 4-Chlorotoluene	12.30	91	1441768	47.62	µg/l	97
83) tert-Butylbenzene	12.56	119	1602099m	48.36	µg/l	
84) 1,2,4-Trimethylbenzene	12.61	105	1716527	49.67	µg/l	99
85) sec-Butylbenzene	12.74	105	2145969	48.84	µg/l	99
86) p-Isopropyltoluene	12.86	119	1688265	48.98	µg/l	99
87) 1,3-Dichlorobenzene	12.82	146	1023843	52.10	µg/l	97
88) 1,4-Dichlorobenzene	12.90	146	987569	50.70	µg/l	96
89) n-Butylbenzene	13.18	91	1603436	50.04	µg/l	98
90) Hexachloroethane	13.37	117	478268	48.63	µg/l	72
91) 1,2-Dichlorobenzene	13.17	146	744394	50.14	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	66746	45.29	µg/l	69

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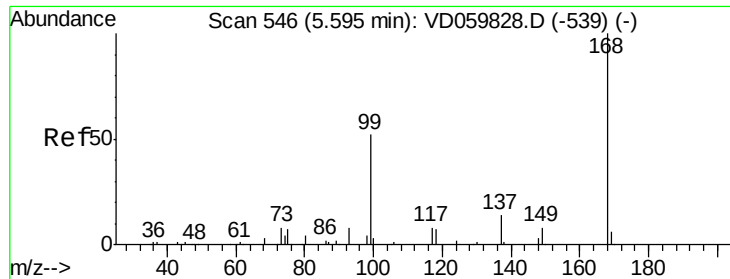
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	695661	49.30	ug/l	99
94) Hexachlorobutadiene	14.42	225	479972	50.56	ug/l	98
95) Naphthalene	14.50	128	1101845	47.80	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	600475	48.56	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1182747

Ion Ratio Lower Upper

168 100

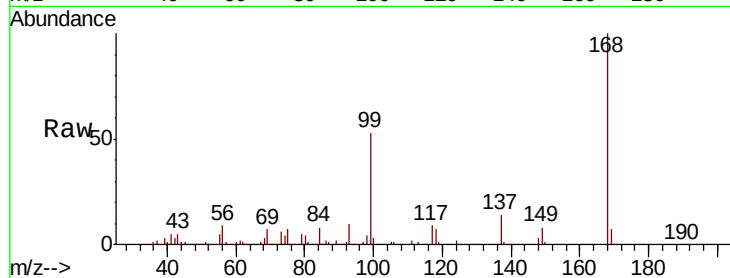
99 52.5 43.6 65.4

Manual Integrations

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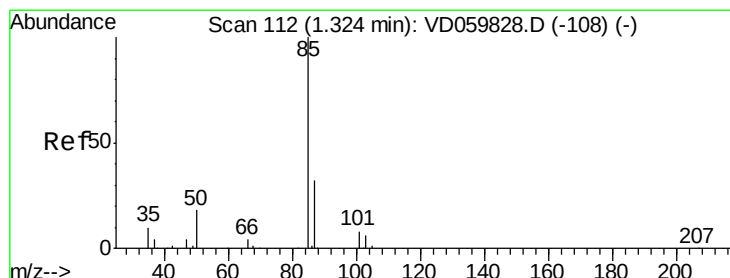
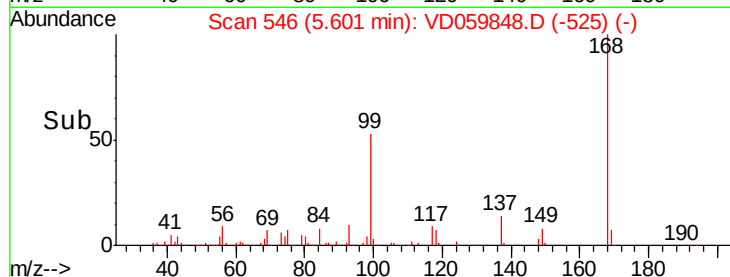
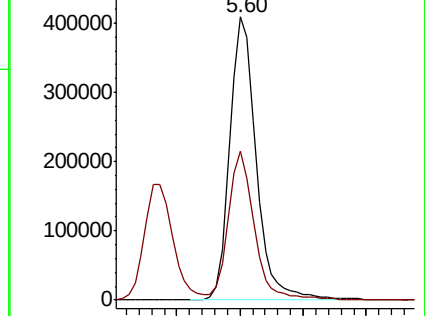
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.09 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD059848.D

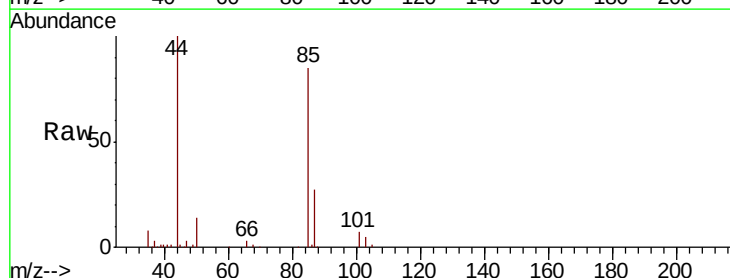
Acq: 21 Aug 2018 11:15

Tgt Ion: 85 Resp: 489879

Ion Ratio Lower Upper

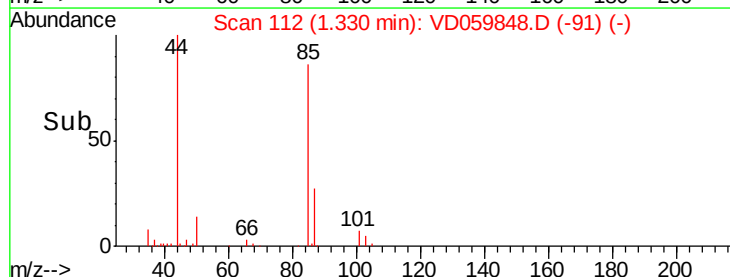
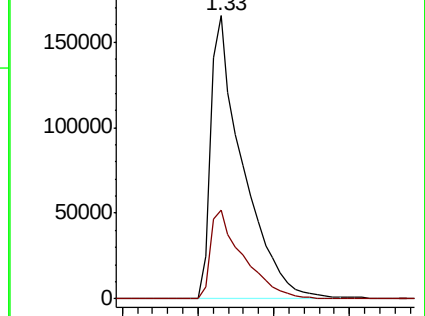
85 100

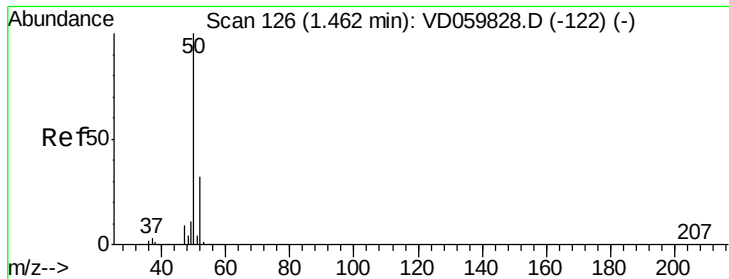
87 31.5 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.90 ug/l

RT: 1.47 min Scan# 126

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 387513

Ion Ratio Lower Upper

50 100

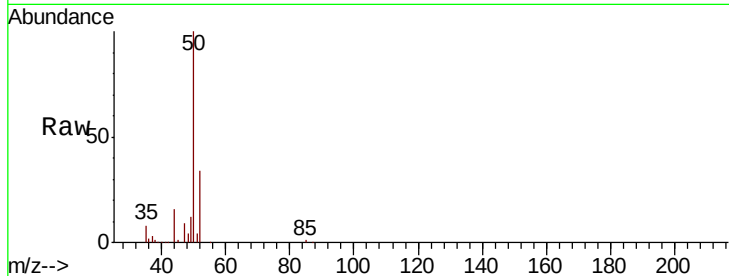
52 33.6 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.47

150000

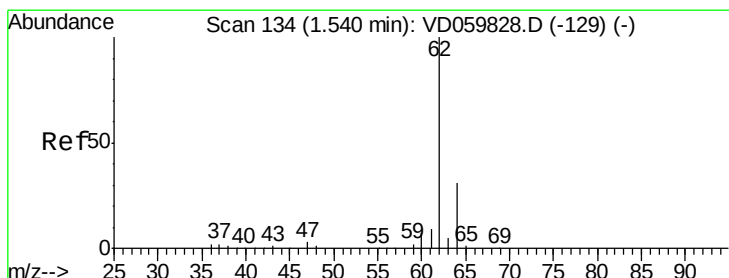
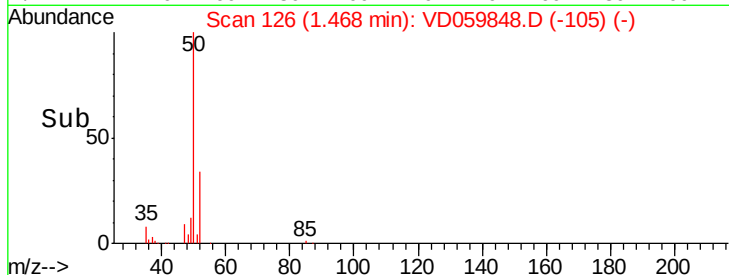
100000

50000

0

1.40 1.50 1.60

Time-->



#4

Vinyl Chloride

Concen: 48.01 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059848.D

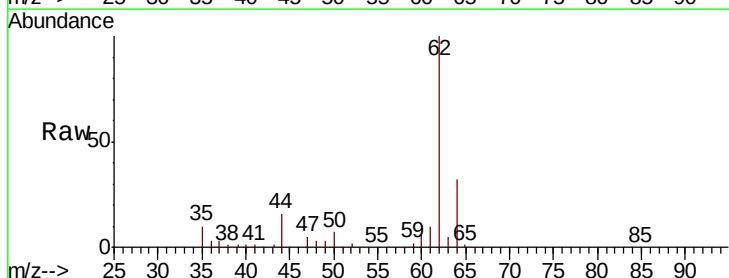
Acq: 21 Aug 2018 11:15

Tgt Ion: 62 Resp: 332061

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.54

150000

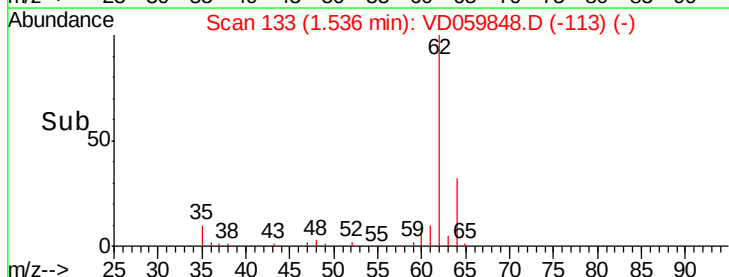
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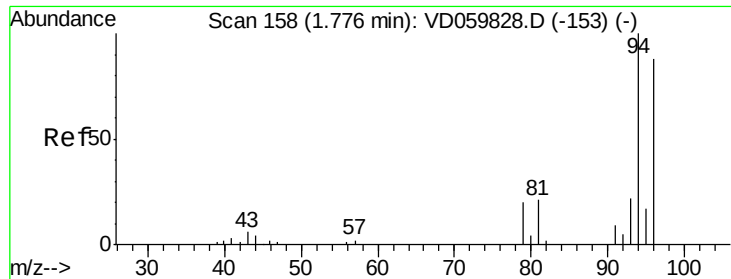
50000

0

1.40 1.50 1.60 1.70

Time-->





#5

Bromomethane

Concen: 59.30 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 53894

Ion Ratio Lower Upper

94 100

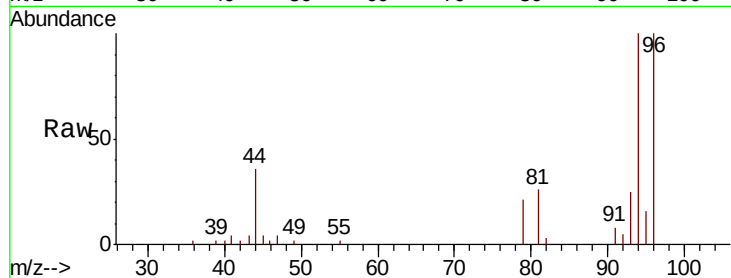
96 100.3 70.8 106.2

Manual Integrations

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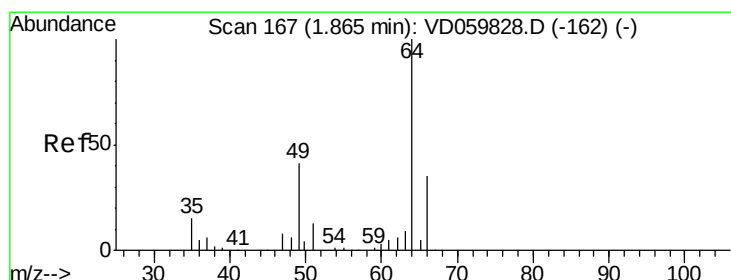
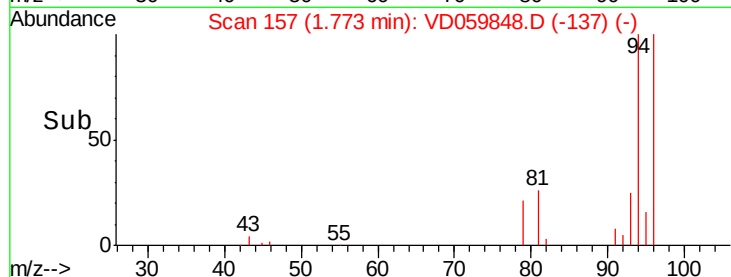
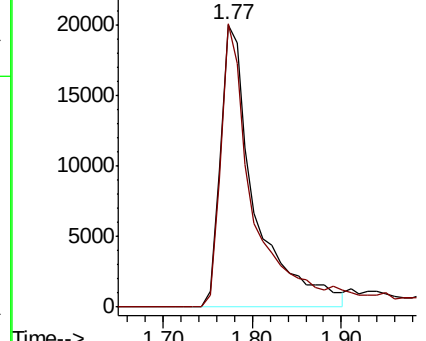
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 57.56 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059848.D

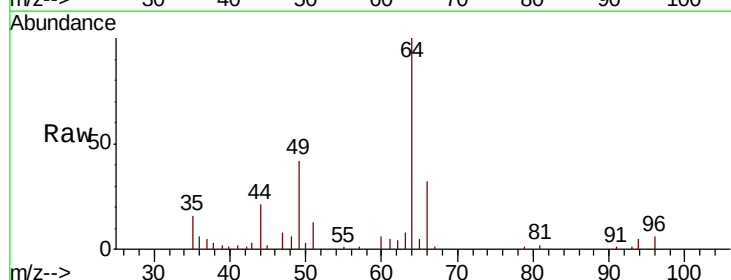
Acq: 21 Aug 2018 11:15

Tgt Ion: 64 Resp: 90071

Ion Ratio Lower Upper

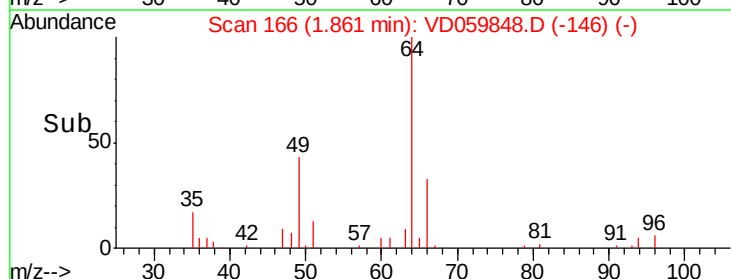
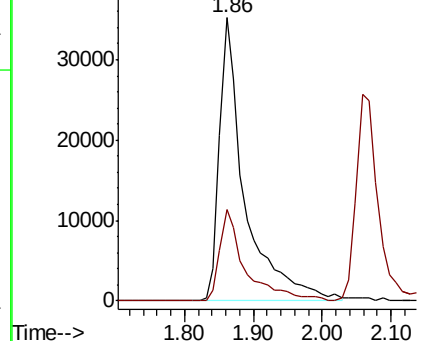
64 100

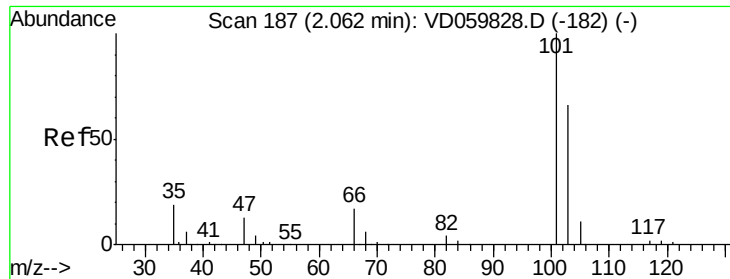
66 32.4 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

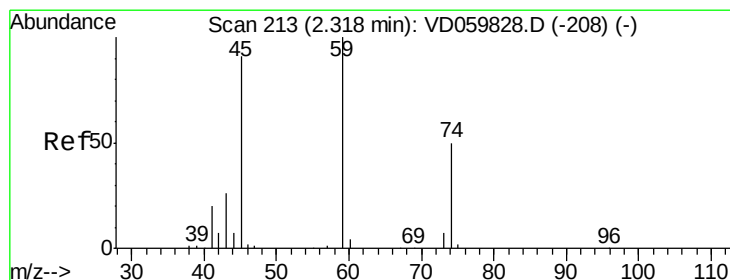
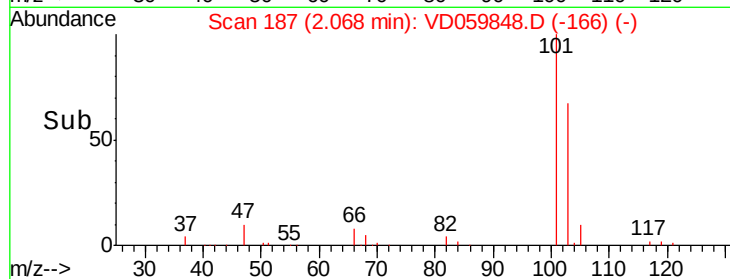
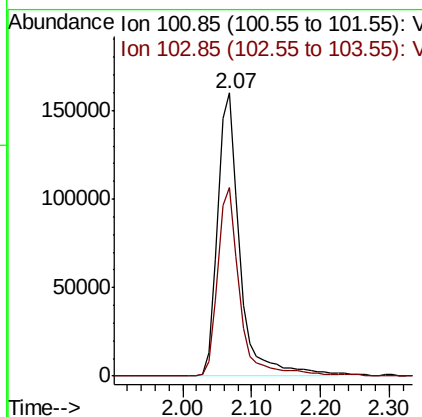
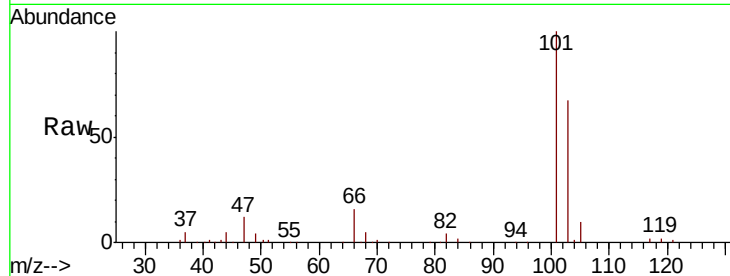
Trichlorofluoromethane
 Concen: 51.77 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	53.0	79.4

Manual Integrations
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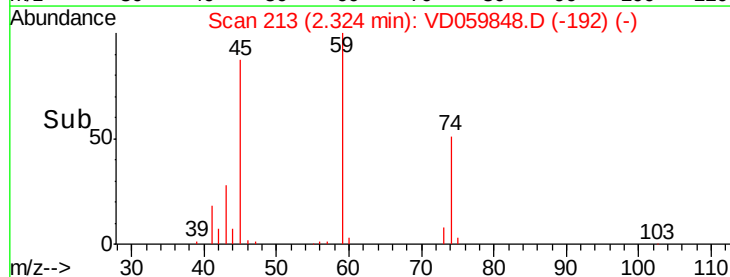
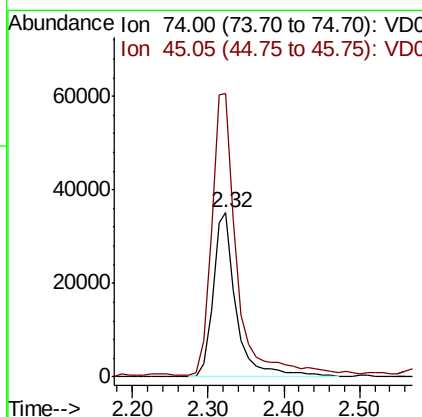
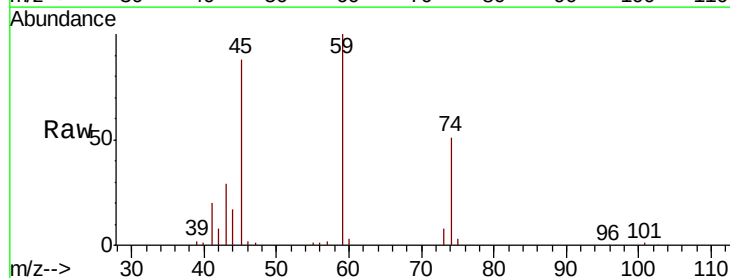
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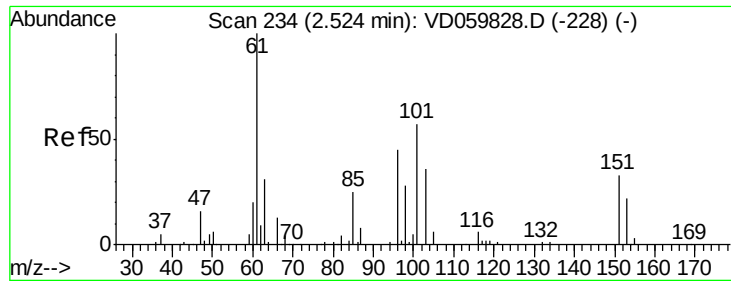


#8

Diethyl Ether
 Concen: 48.38 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	172.5	90.6	271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.51 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

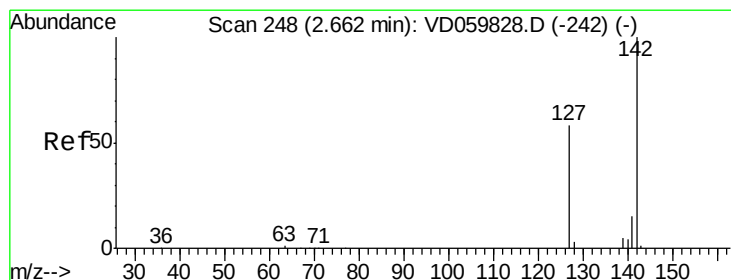
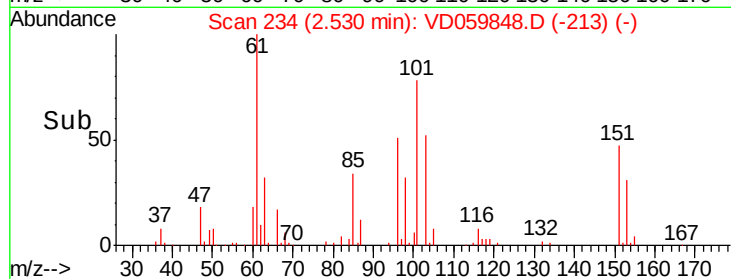
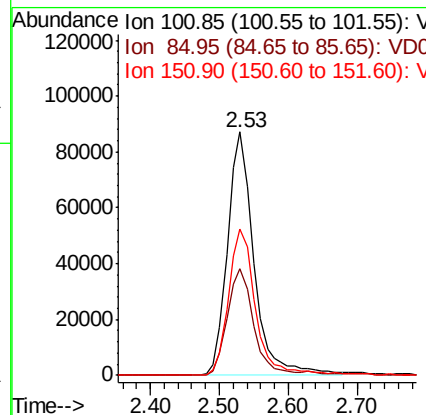
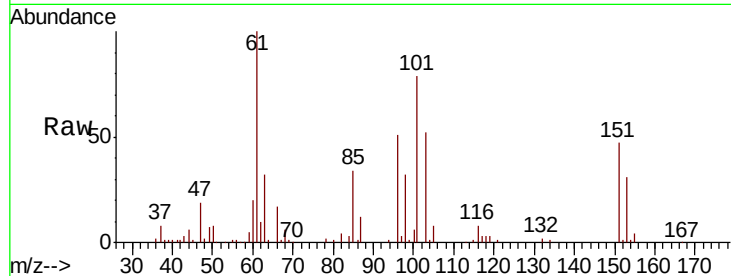
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	232538
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.7	53.5
151	60.1	45.8	68.6

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#10

Methyl Iodide

Concen: 47.33 ug/l

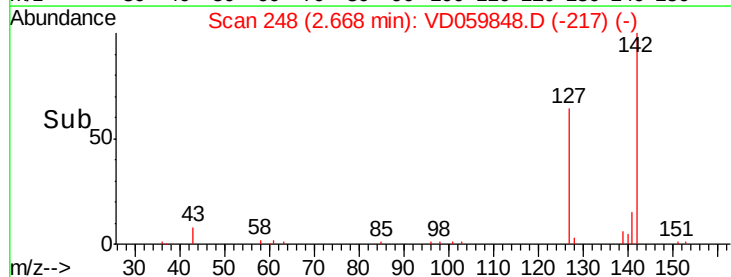
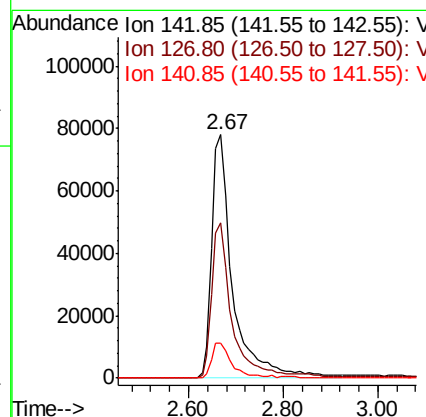
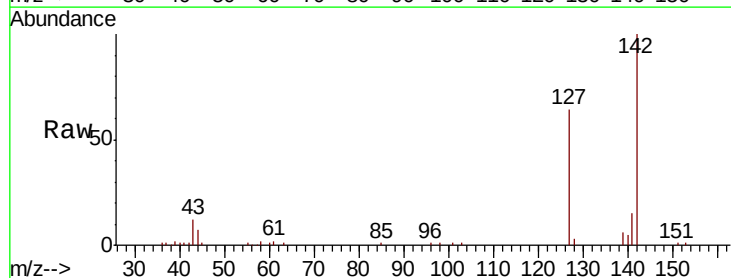
RT: 2.67 min Scan# 248

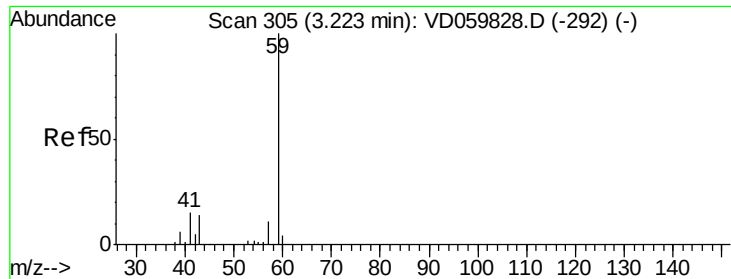
Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion:	142	Resp:	241423
Ion Ratio	Lower	Upper	
142	100		
127	63.7	46.6	69.8
141	14.6	11.7	17.5





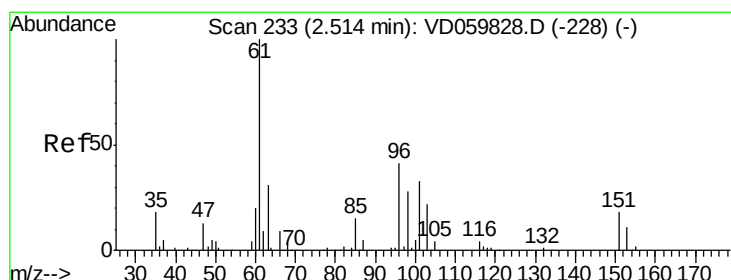
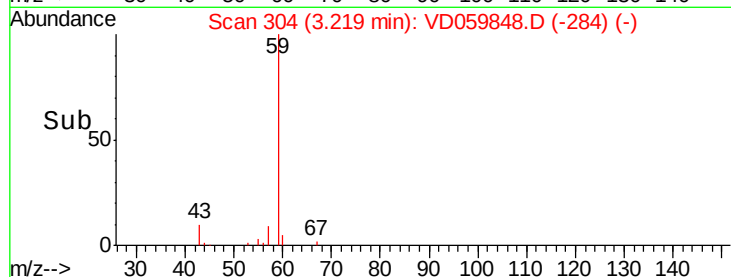
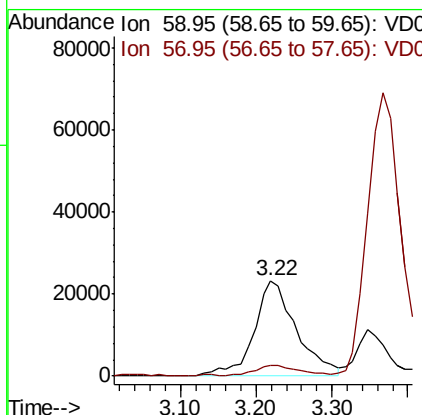
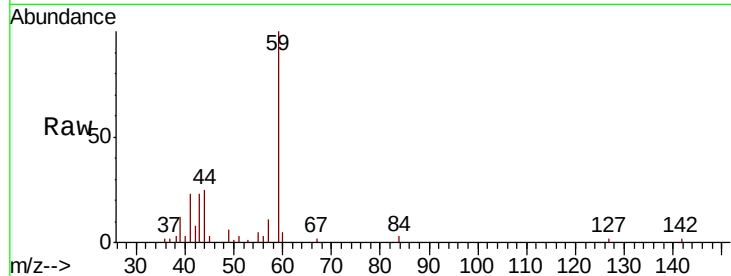
#11
Tert butyl alcohol
Concen: 260.15 ug/l
RT: 3.22 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.9	Resp	91030	Lower	Upper
Ion	59	57	Ratio	100	10.9	Resp	91030	Lower	Upper
								10.3	15.5

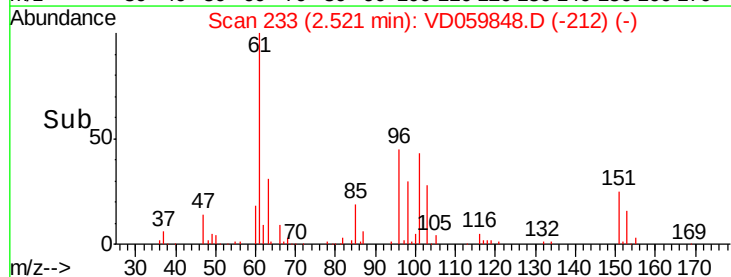
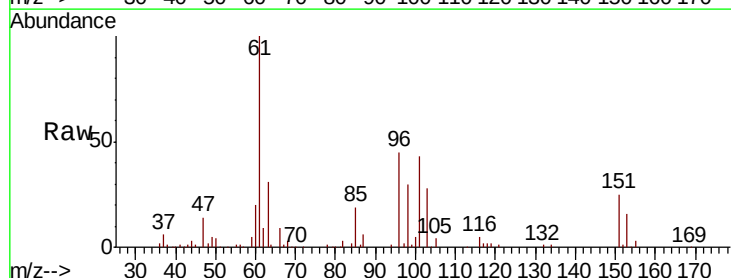
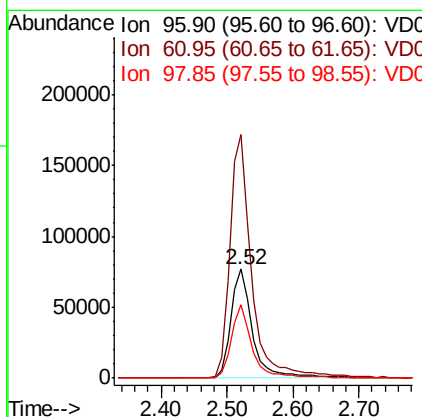
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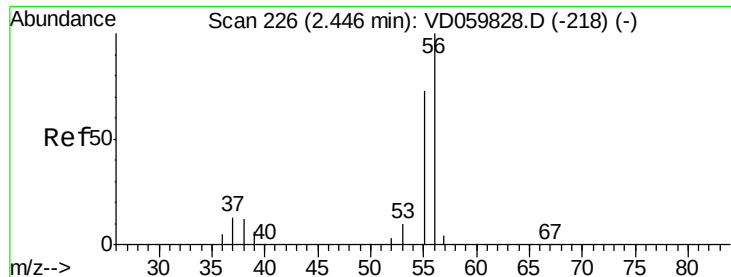
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#12
1,1-Dichloroethene
Concen: 57.63 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	96	61	98	Ratio	100	223.6	67.4	Resp	177882	Lower	Upper
Ion	96	61	98	Ratio	100	223.6	67.4	Resp	177882	Lower	Upper
										194.0	291.0
										53.4	80.0





#13

Acrolein

Concen: 251.90 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 90275

Ion Ratio Lower Upper

56 100

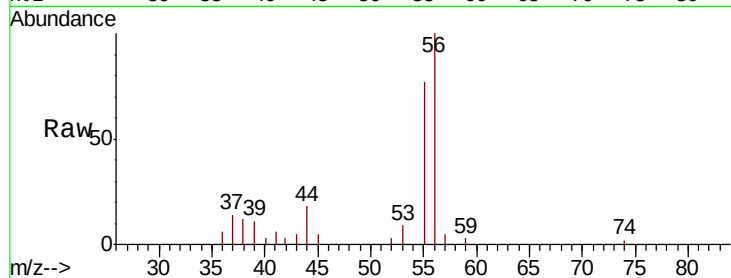
55 77.2 60.4 90.6

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

40000

30000

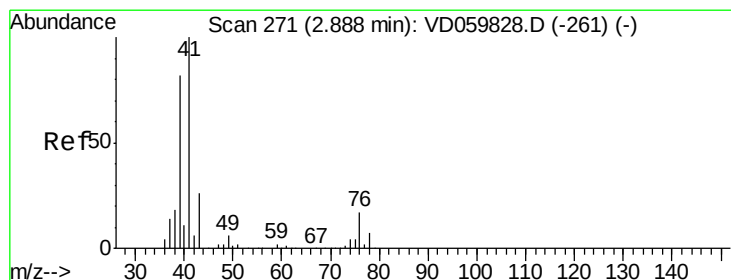
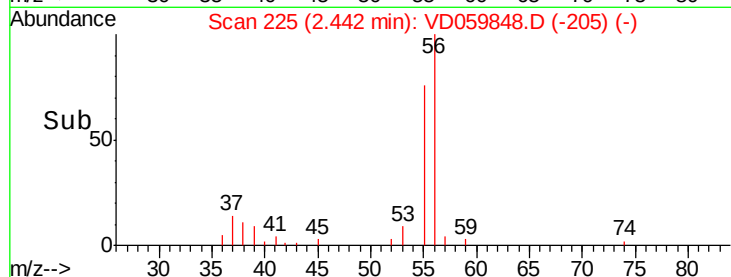
20000

10000

0

Time-->

2.30 2.40 2.50 2.60



#14

Allyl chloride

Concen: 47.86 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

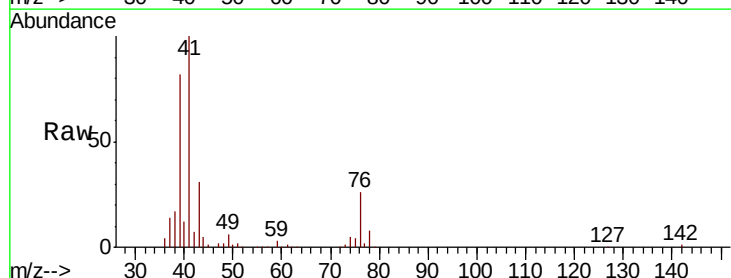
Tgt Ion: 41 Resp: 443153

Ion Ratio Lower Upper

41 100

39 82.3 65.9 98.9

76 25.6 19.9 29.9



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

300000

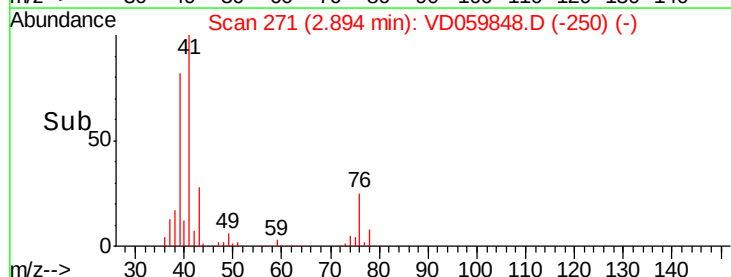
200000

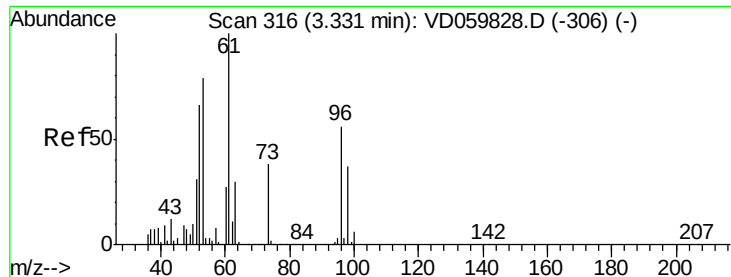
100000

0

Time-->

2.70 2.80 2.90 3.00





#15

Acrylonitrile

Concen: 238.65 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

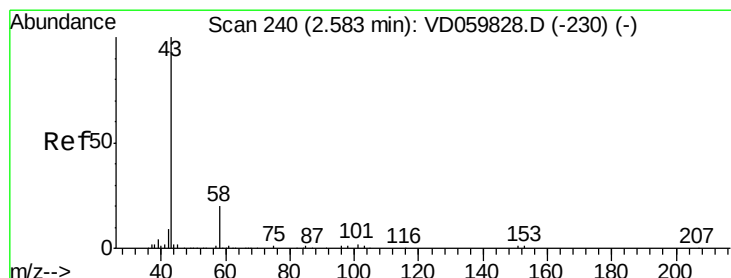
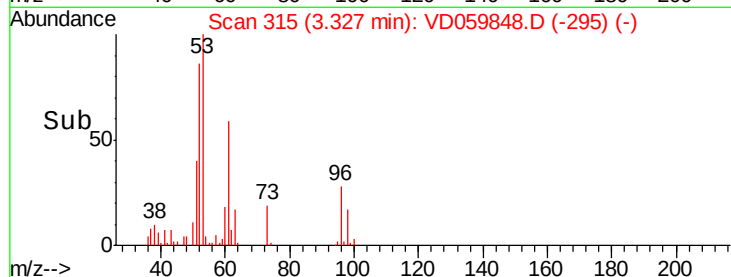
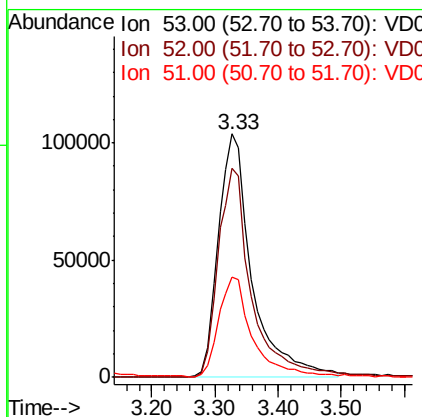
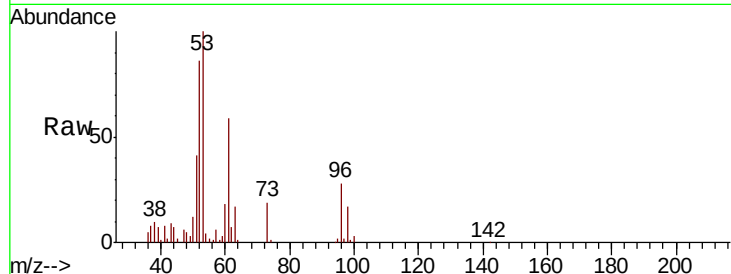
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	386513
Ion Ratio	Lower	Upper	
53	100		
52	86.1	66.8	100.2
51	41.3	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 275.38 ug/l

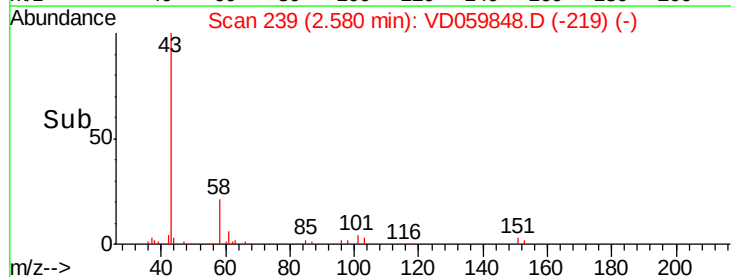
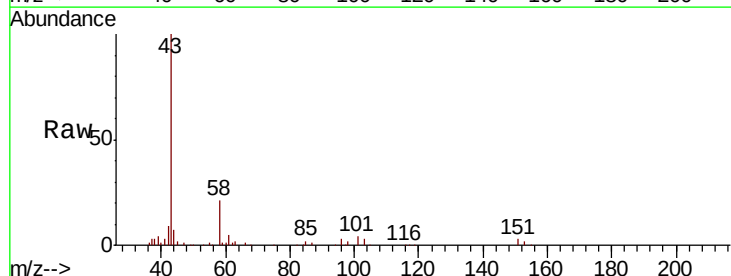
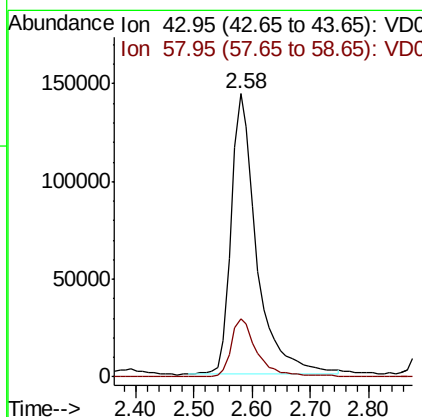
RT: 2.58 min Scan# 239

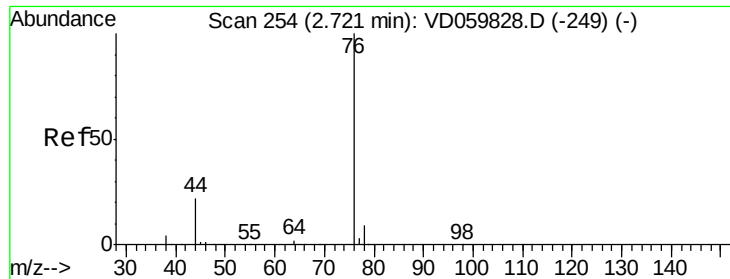
Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion:	43	Resp:	436896
Ion Ratio	Lower	Upper	
43	100		
58	20.6	16.2	24.2





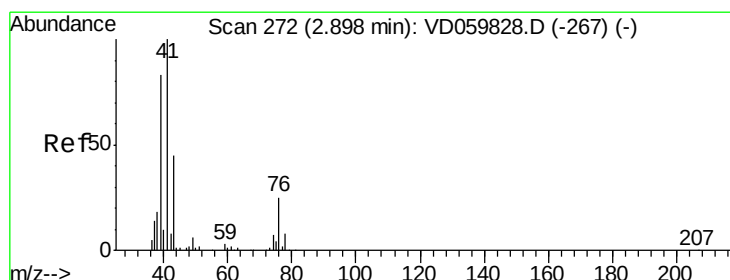
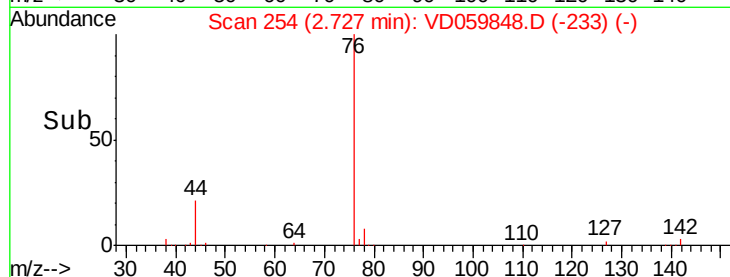
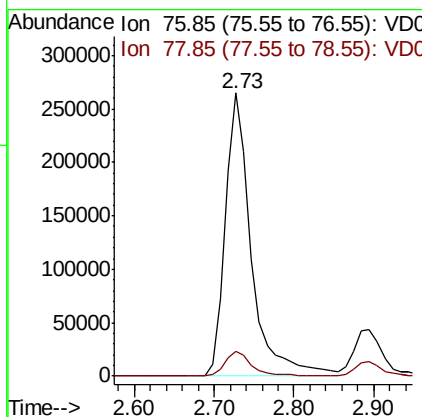
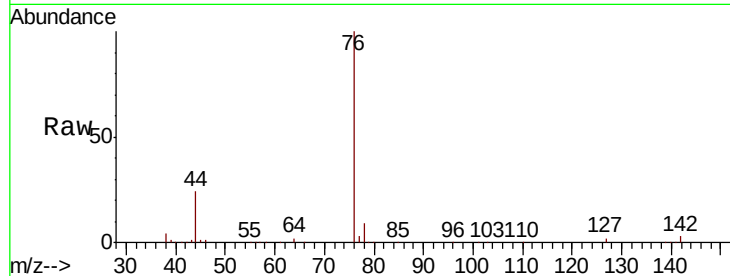
#17
Carbon Disulfide
Concen: 52.14 ug/l
RT: 2.73 min Scan# 254
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

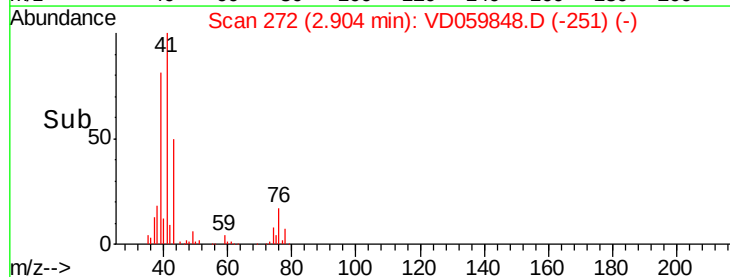
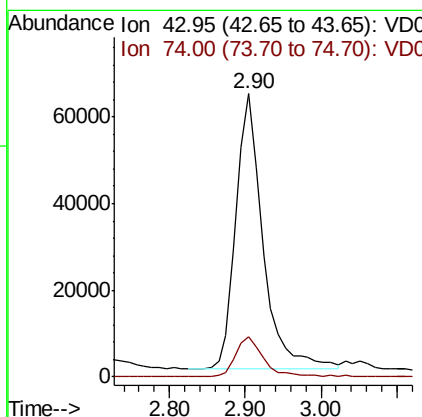
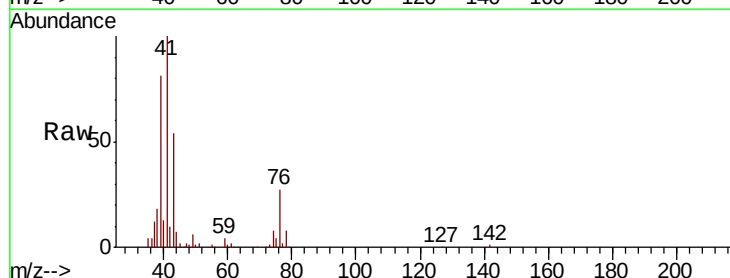
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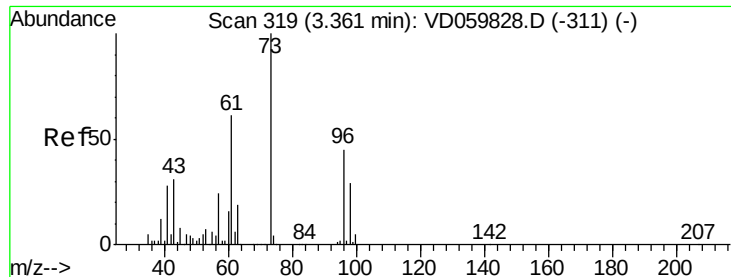
apatel
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#18
Methyl Acetate
Concen: 48.91 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.3	11.4	17.0





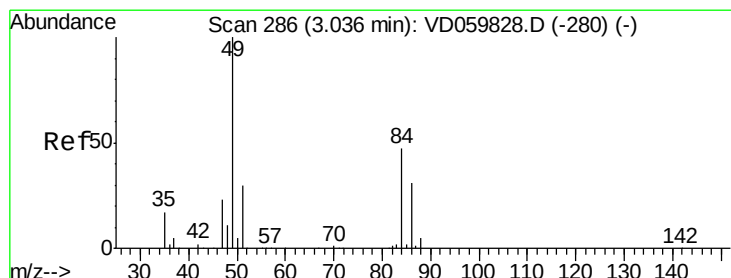
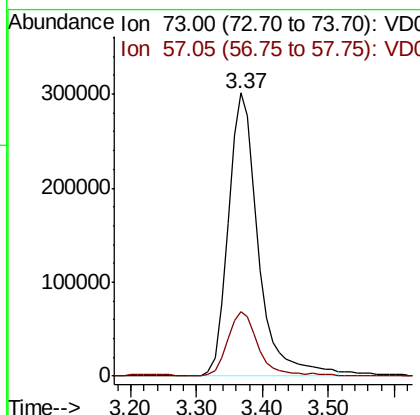
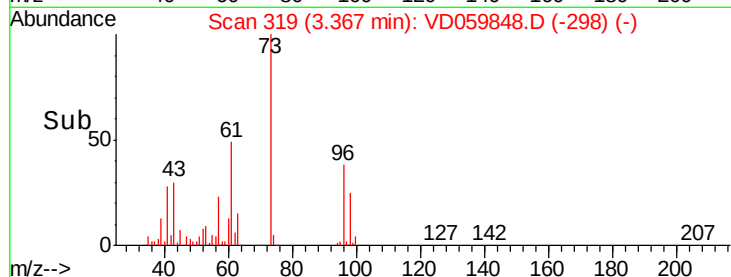
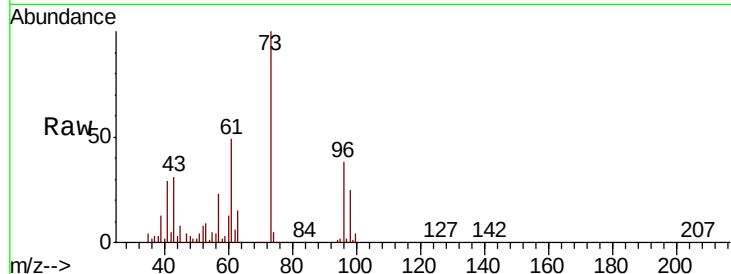
#19
Methyl tert-butyl Ether
Concen: 46.83 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.4	29.0

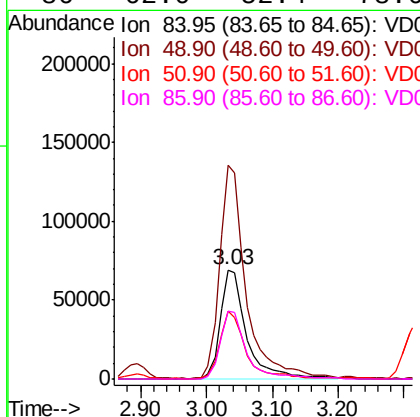
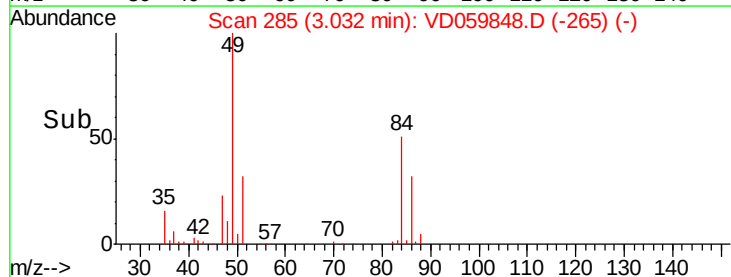
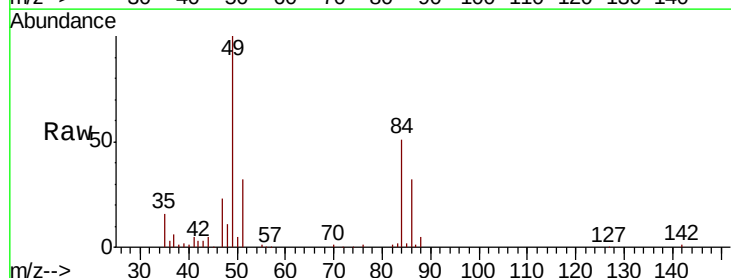
Manual Integrations
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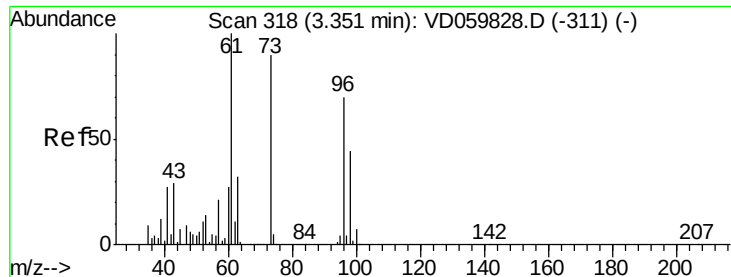
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#20
Methylene Chloride
Concen: 48.26 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	196.2	170.4	255.6
51	62.4	51.4	77.0
86	62.0	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 49.75 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

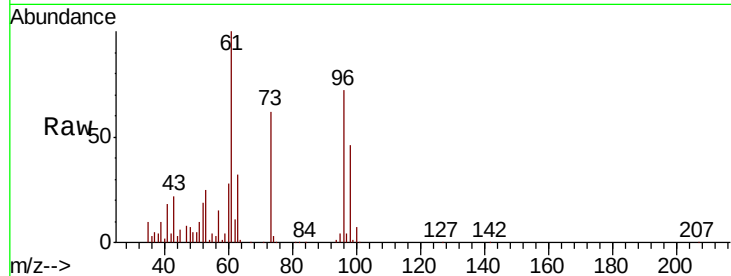
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	114.1	171.1
98	63.9	50.1	75.1

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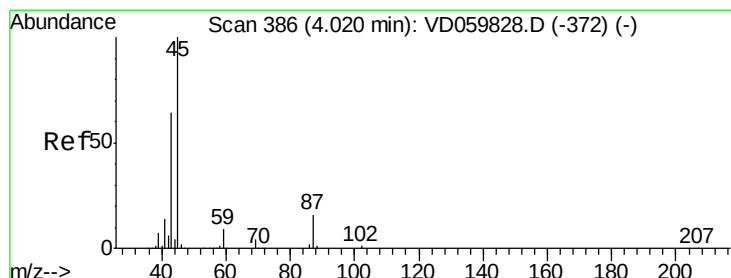
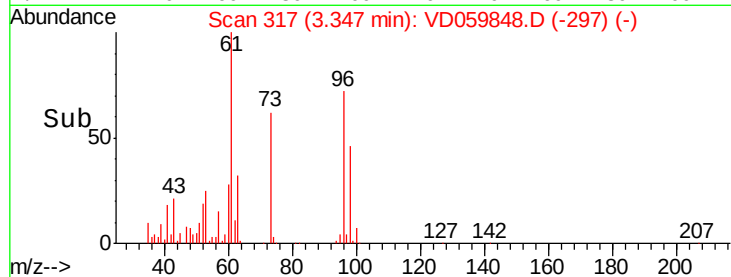
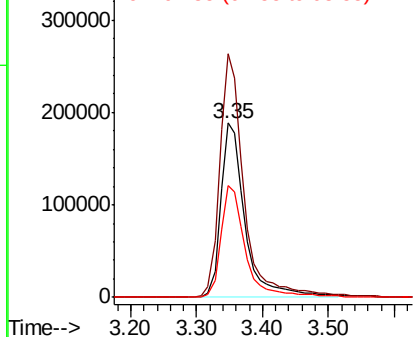


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 47.83 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	51.1	76.7
87	16.0	12.5	18.7
59	8.5	7.1	10.7

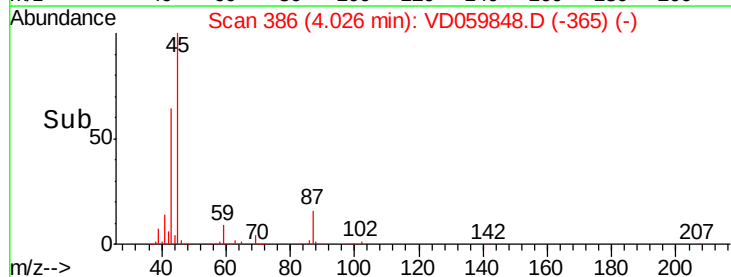
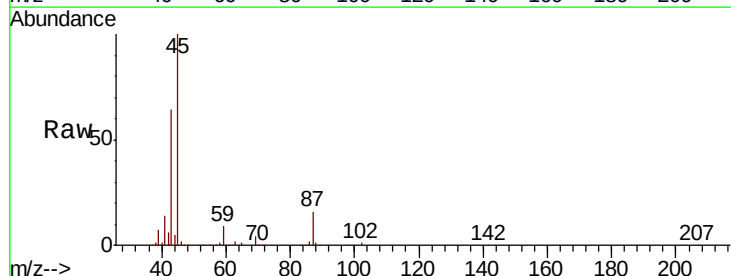
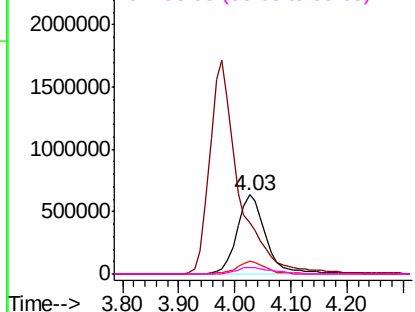
Abundance

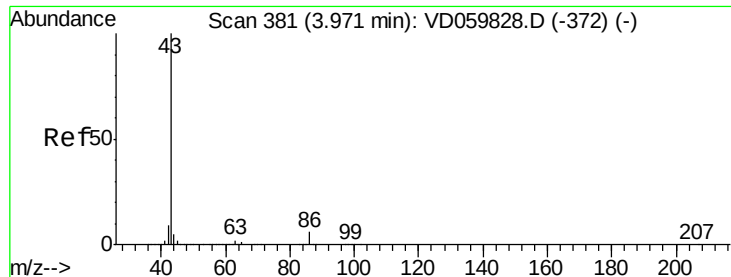
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 242.51 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 6162135

Ion Ratio Lower Upper

43 100

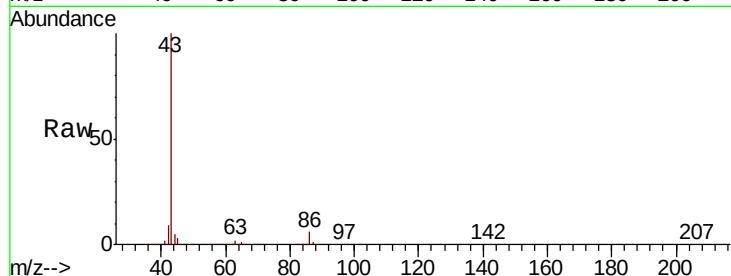
86 6.0 4.6 7.0

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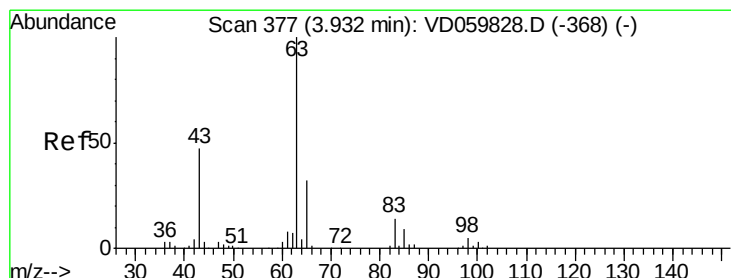
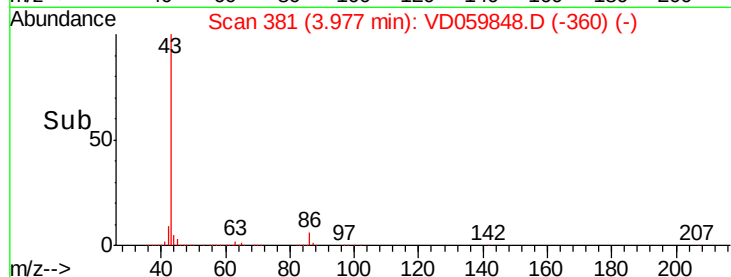
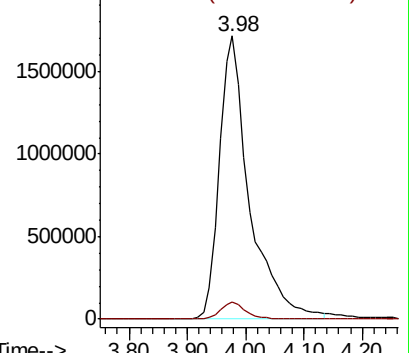
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.08 ug/l

RT: 3.93 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

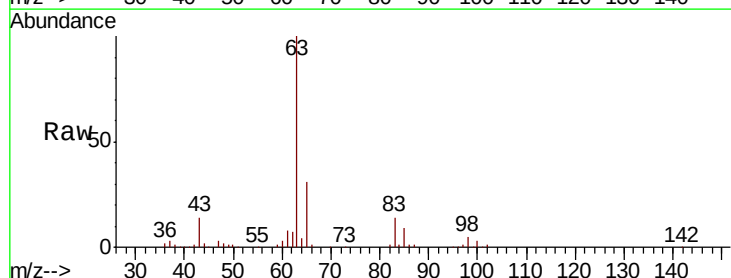
Tgt Ion: 63 Resp: 1000142

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.6

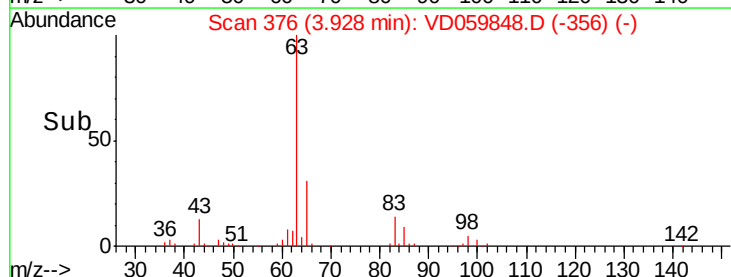
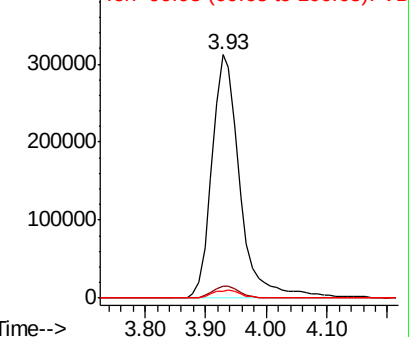
100 3.0 1.7 5.0

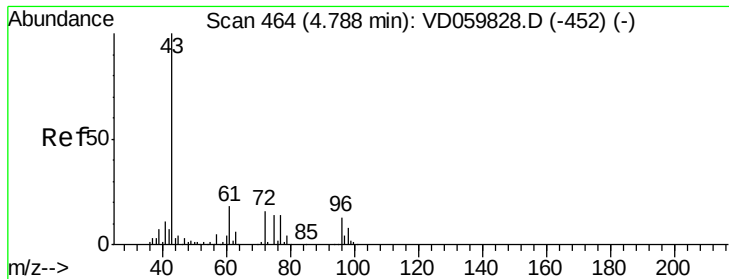


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 266.35 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1277318

Ion Ratio Lower Upper

43 100

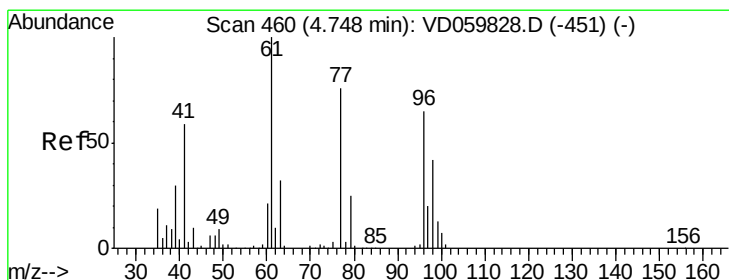
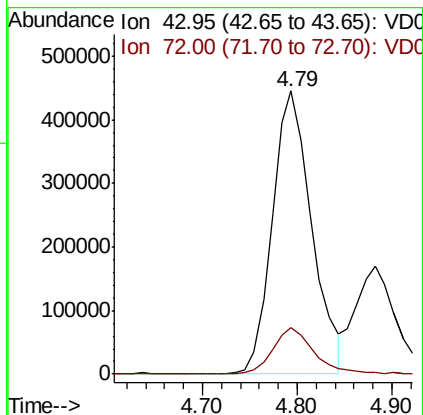
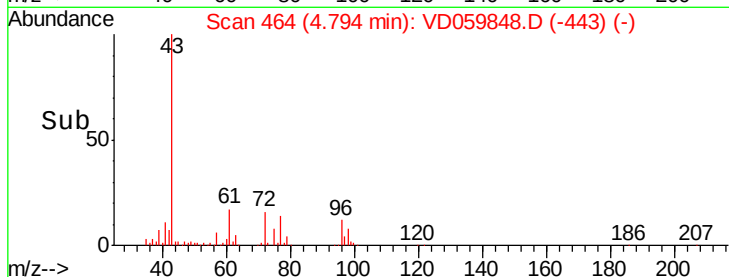
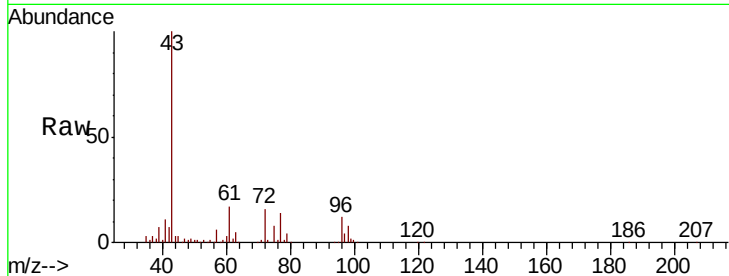
72 16.4 12.4 18.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.55 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.01 min

Lab File: VD059848.D

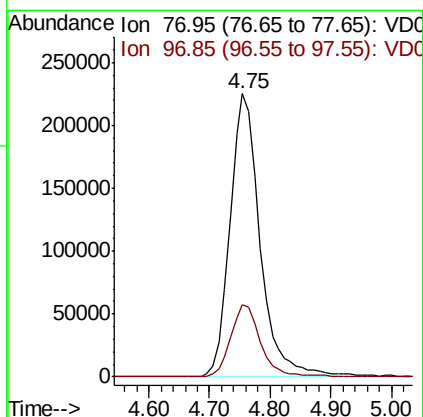
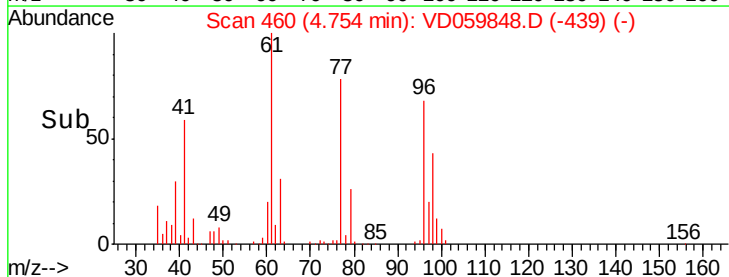
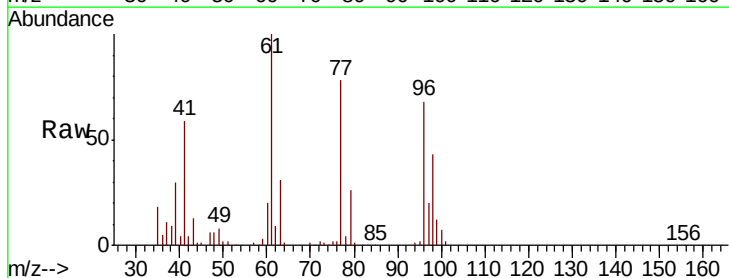
Acq: 21 Aug 2018 11:15

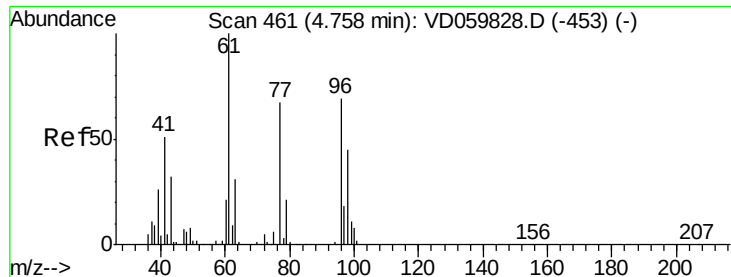
Tgt Ion: 77 Resp: 776064

Ion Ratio Lower Upper

77 100

97 25.6 13.0 38.9





#27

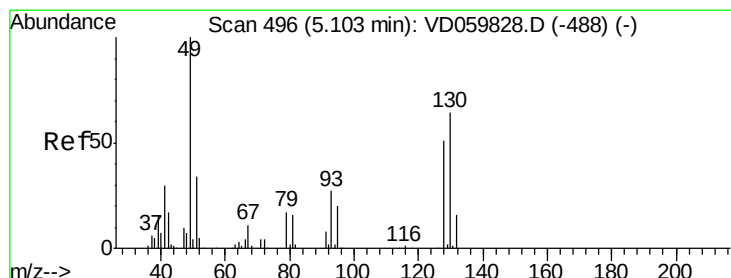
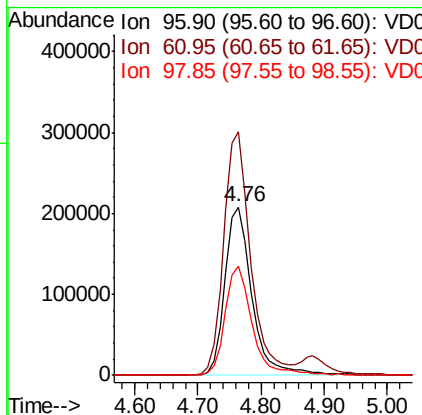
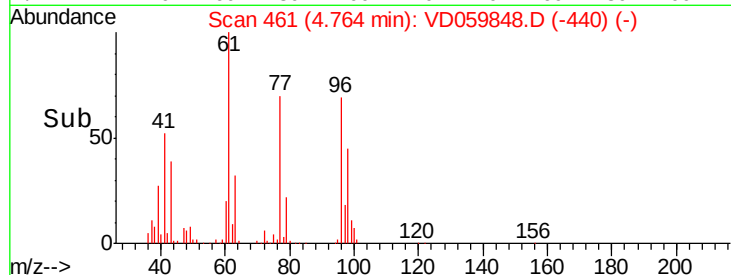
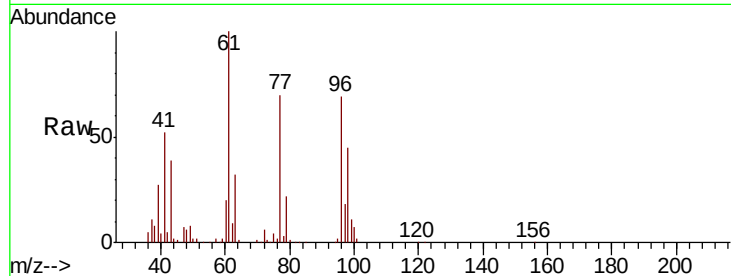
cis-1,2-Dichloroethene
 Concen: 49.90 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	617786		
61	144.9	0.0	291.8	
98	65.2	0.0	131.6	

Manual Integrations
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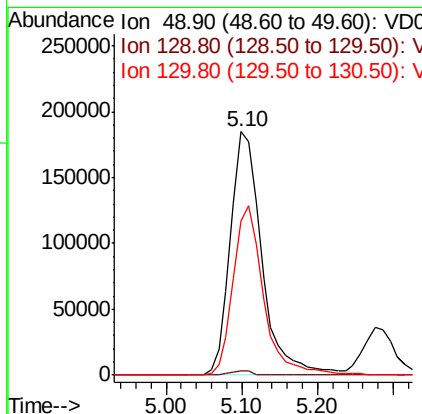
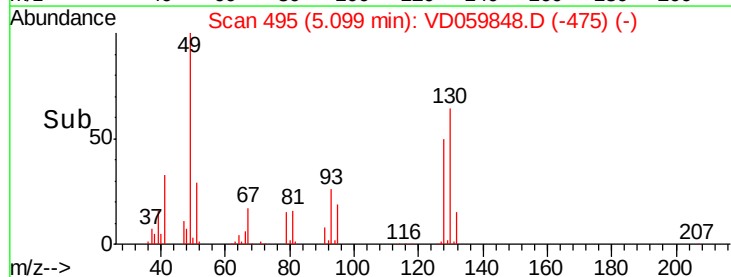
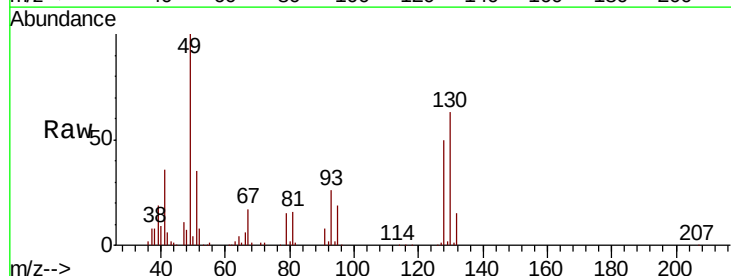
apatel
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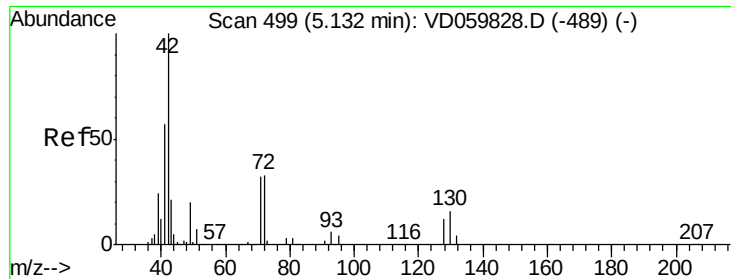


#28

Bromochloromethane
 Concen: 50.43 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	531603		
129	1.7	0.0	3.8	
130	63.4	51.0	76.6	





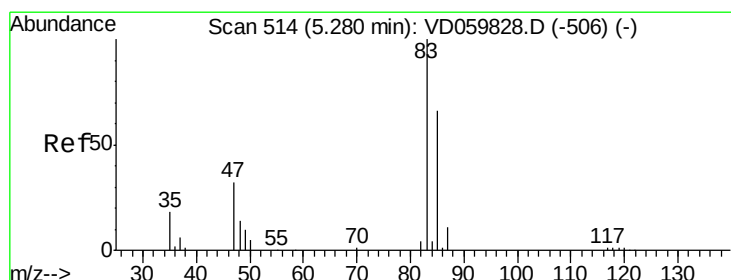
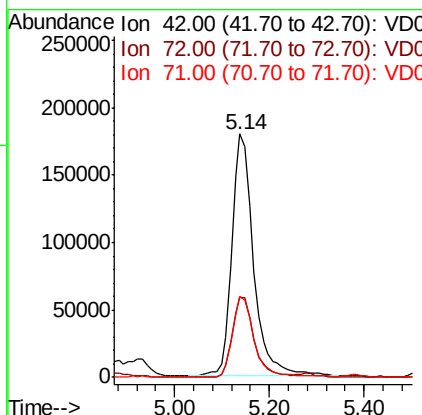
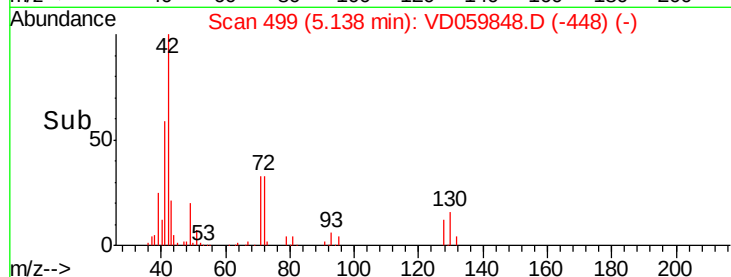
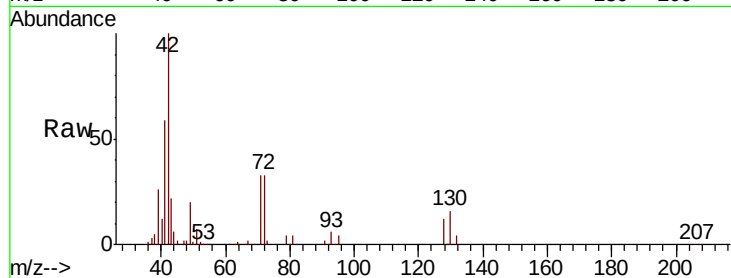
#29
Tetrahydrofuran
Concen: 236.05 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	25.8	38.6
71	33.2	25.7	38.5

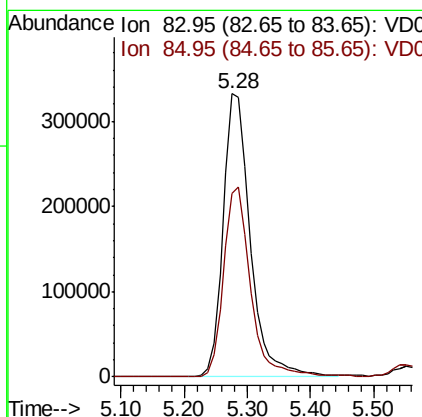
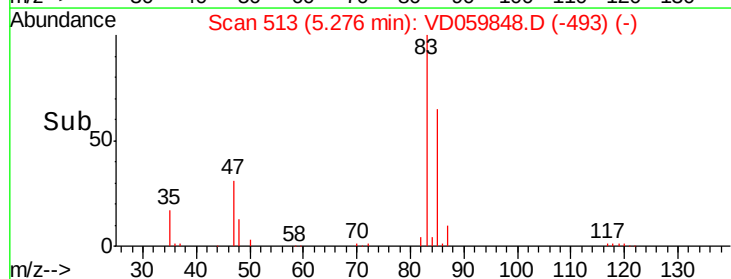
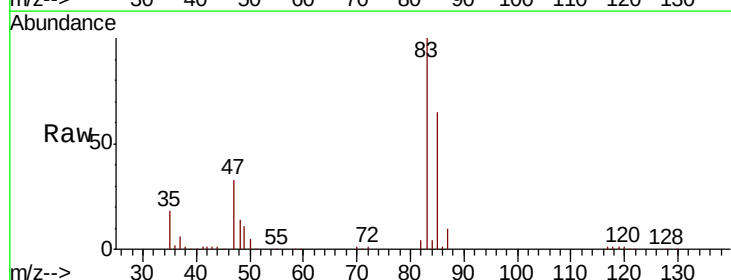
Manual Integrations
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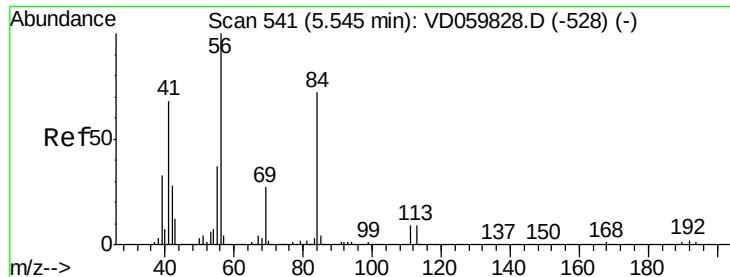
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#30
Chloroform
Concen: 48.48 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.9	79.3





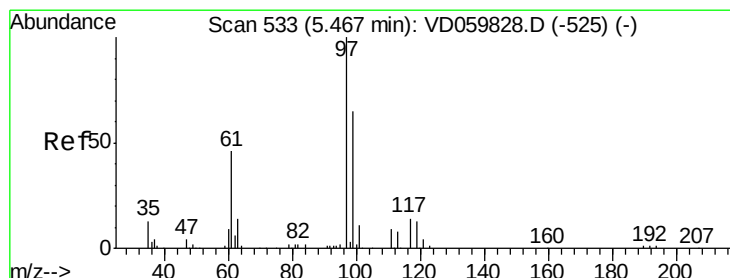
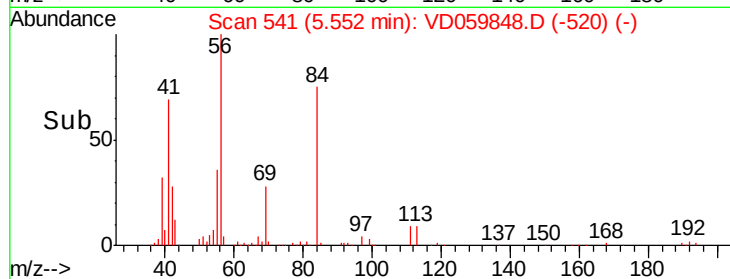
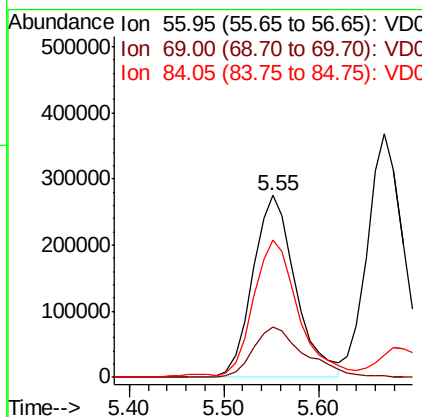
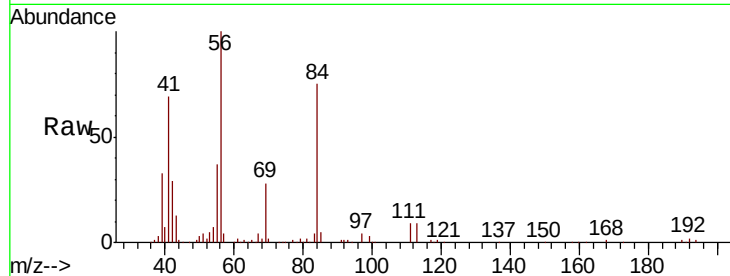
#31
Cyclohexane
Concen: 50.10 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	21.7	32.5
84	75.3	57.8	86.6

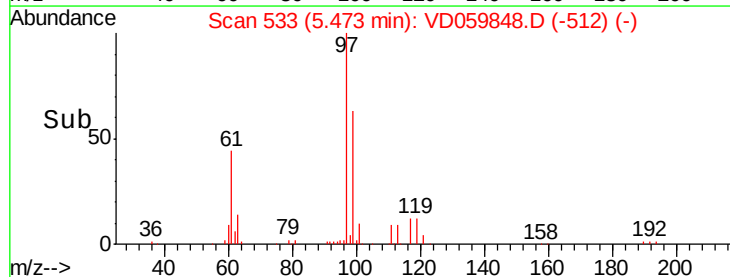
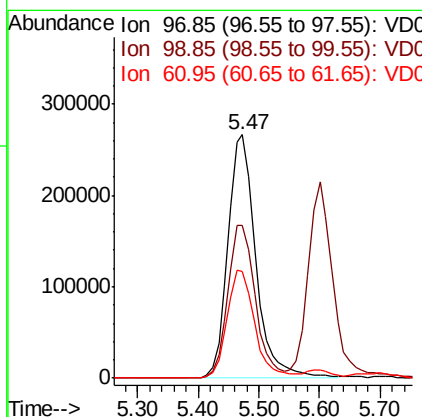
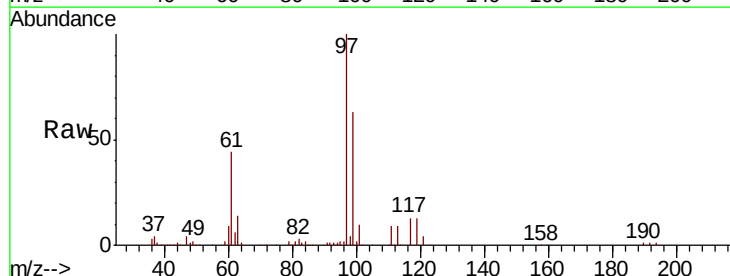
Manual Integrations
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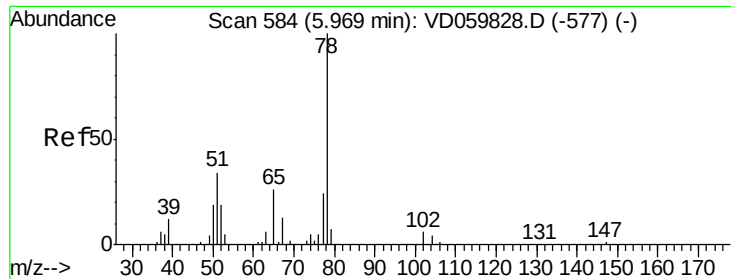
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#32
1,1,1-Trichloroethane
Concen: 49.25 ug/l
RT: 5.47 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.9	77.9
61	43.8	37.0	55.6





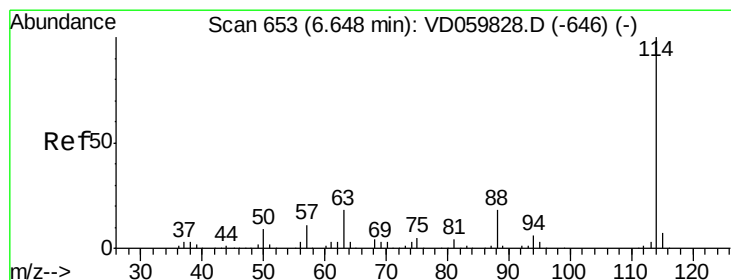
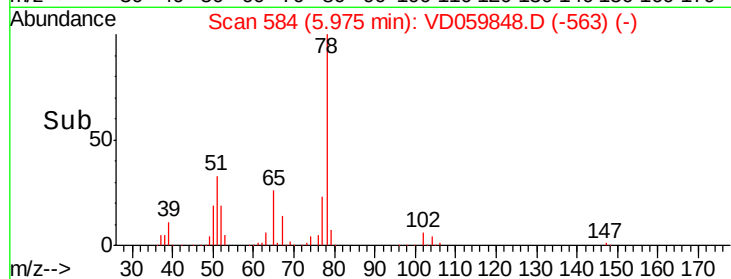
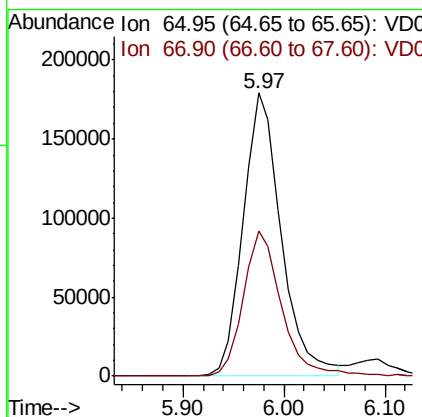
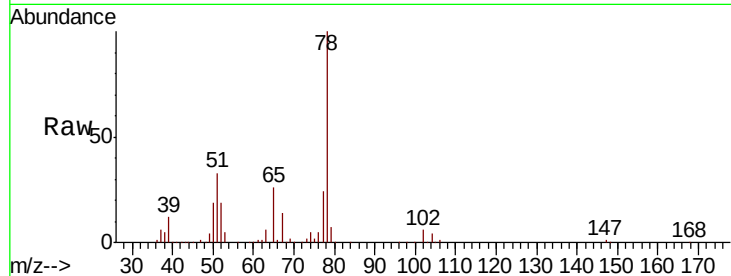
#33
 1,2-Dichloroethane-d4
 Concen: 49.25 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	102.4	

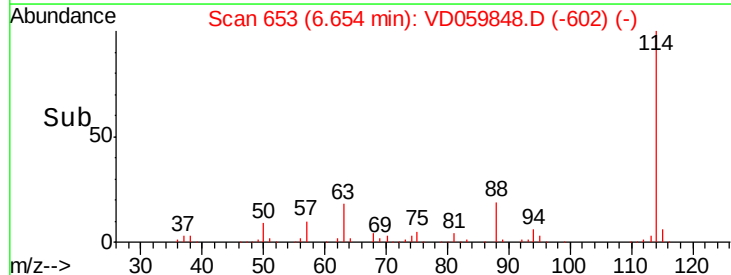
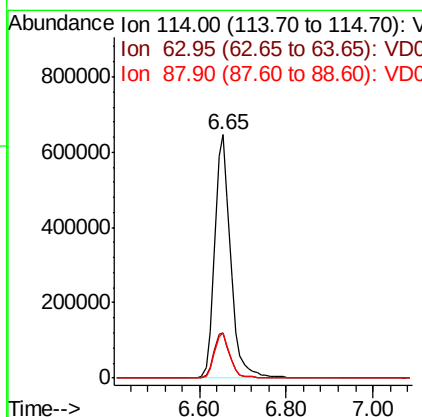
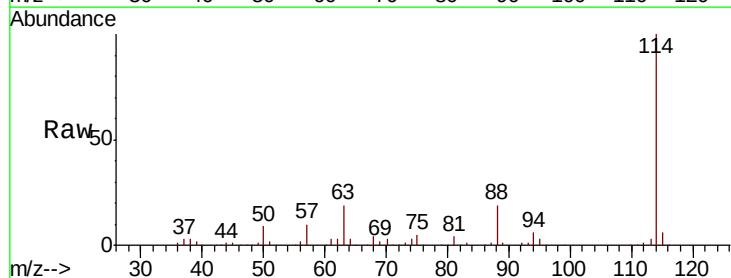
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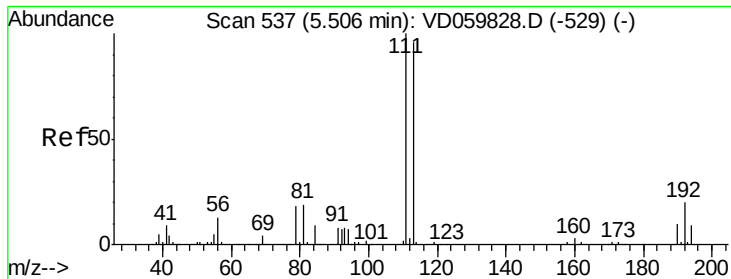
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	37.0	
88	18.6	0.0	37.0	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

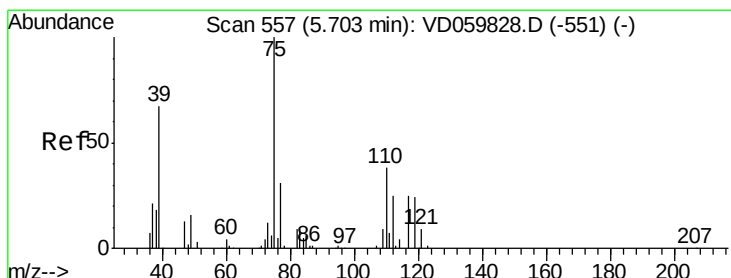
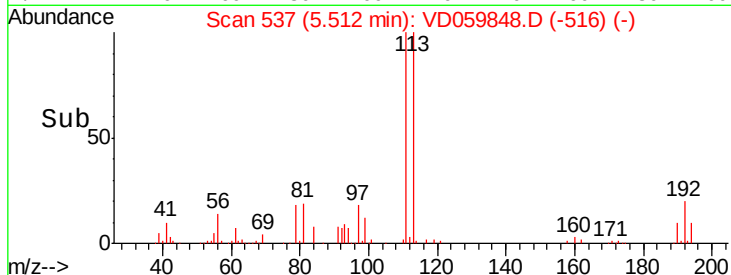
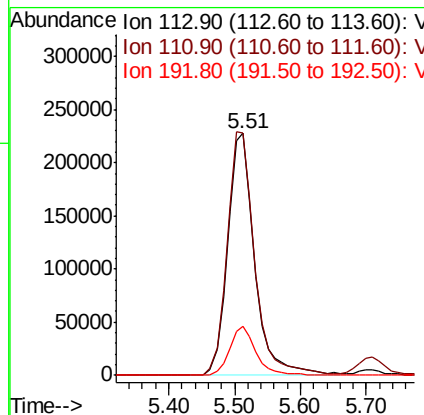
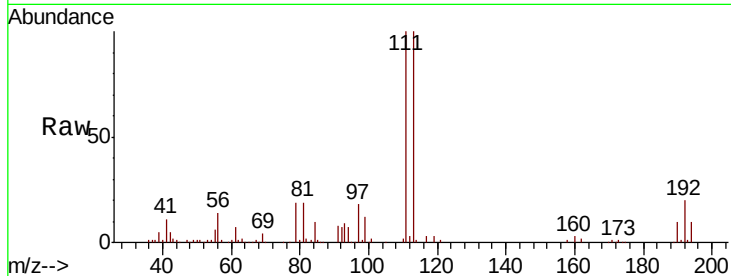
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	651508
Ion Ratio	Lower	Upper	
113	100		
111	100.3	83.3	124.9
192	20.5	16.8	25.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.60 ug/l

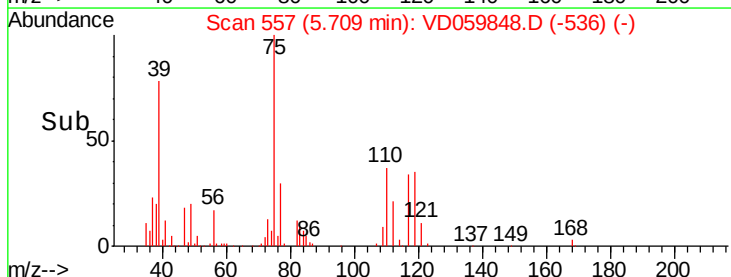
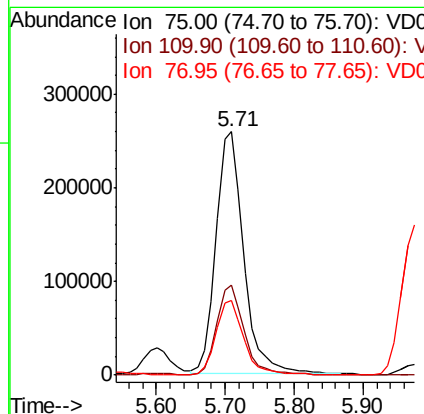
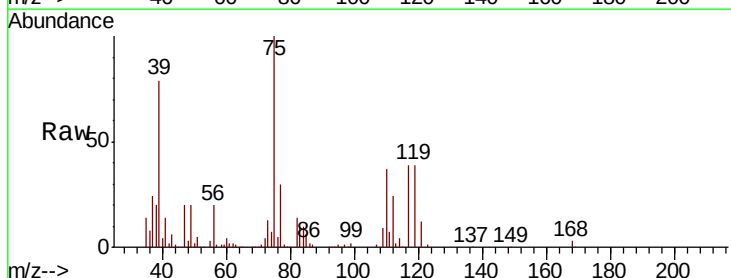
RT: 5.71 min Scan# 557

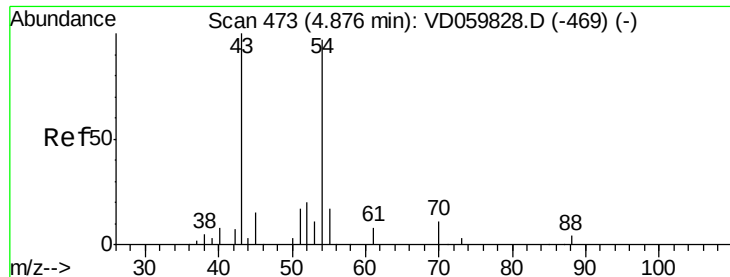
Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion:	75	Resp:	722337
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.8	56.4
77	30.4	24.9	37.3





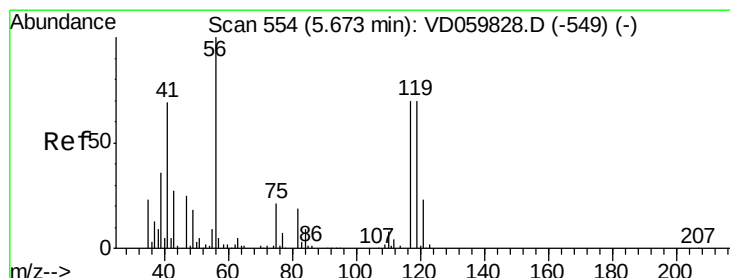
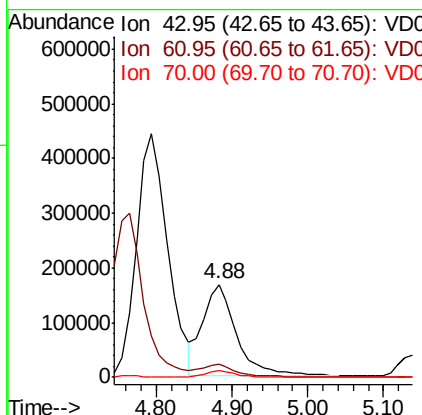
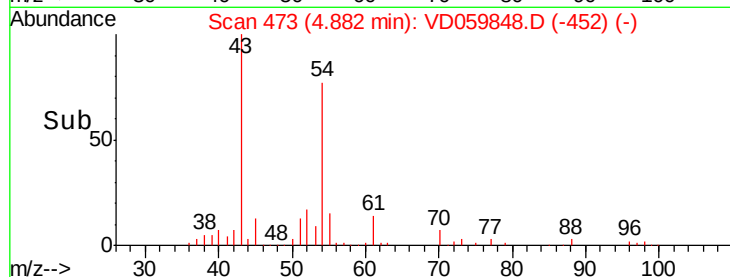
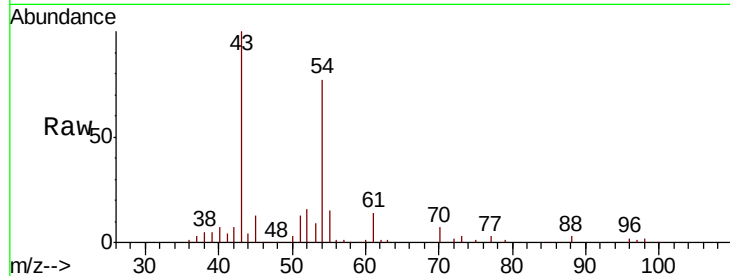
#37
Ethyl Acetate
Concen: 50.51 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.4	15.6
70	7.3	6.2	9.2

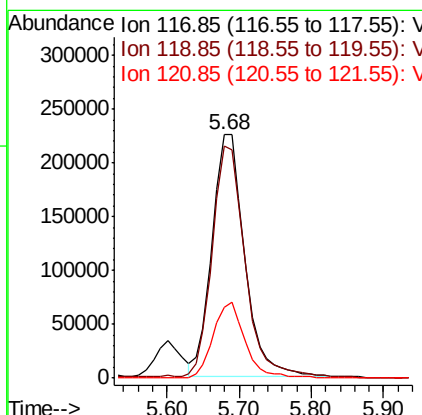
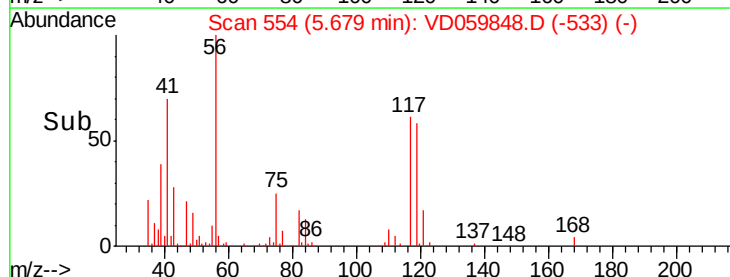
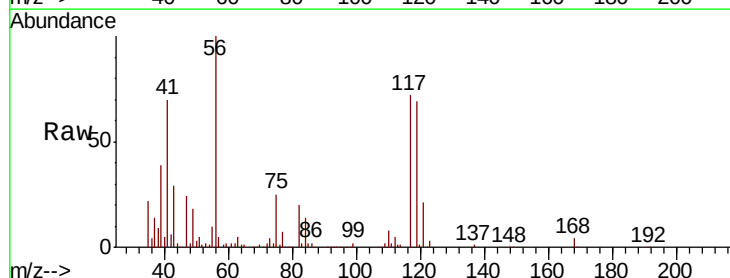
Manual Integrations
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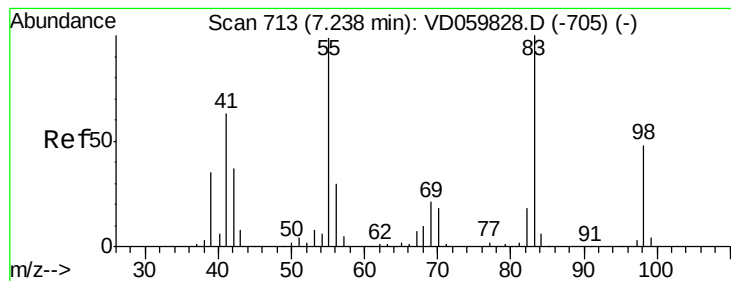
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#38
Carbon Tetrachloride
Concen: 50.14 ug/l
RT: 5.68 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.4
121	29.2	24.7	37.1





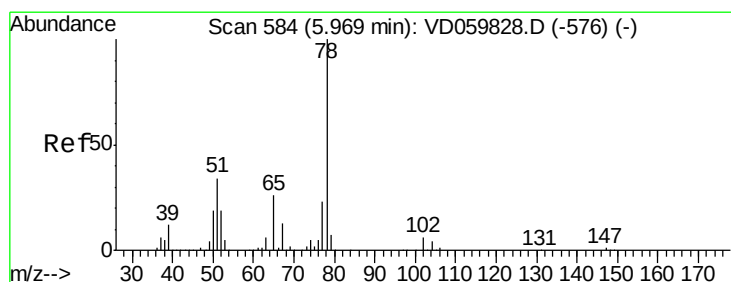
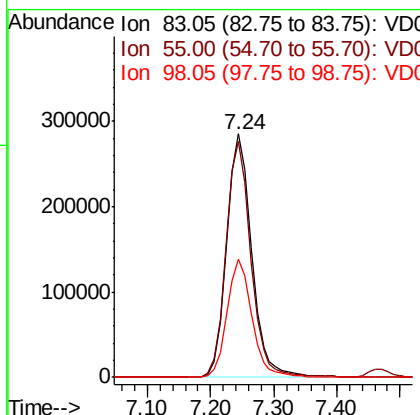
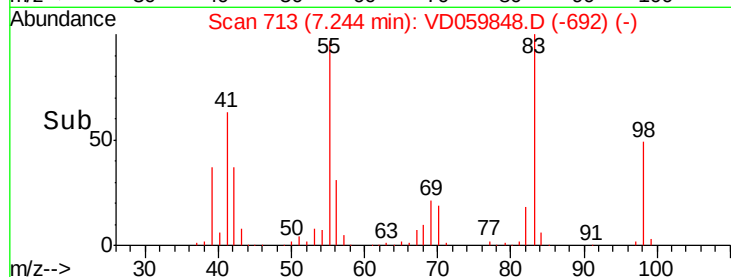
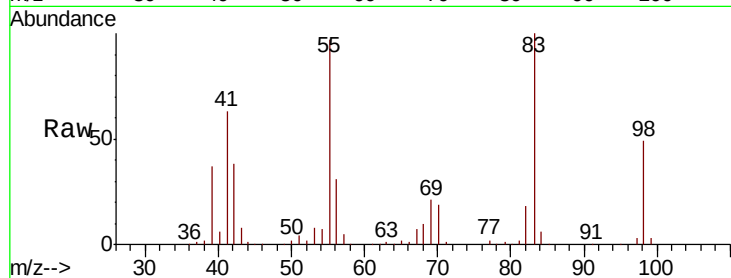
#39
Methylvlcyclohexane
Concen: 52.27 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.1	79.0	118.6
98	48.8	38.1	57.1

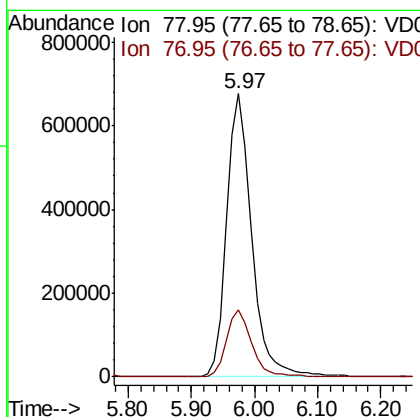
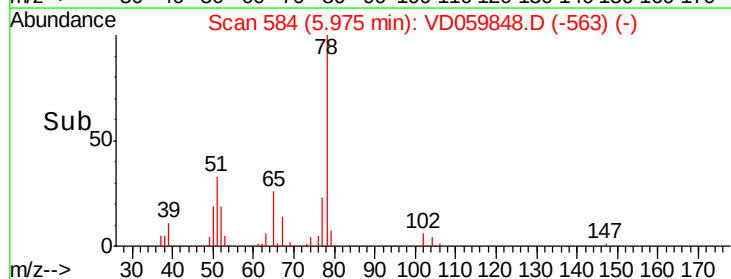
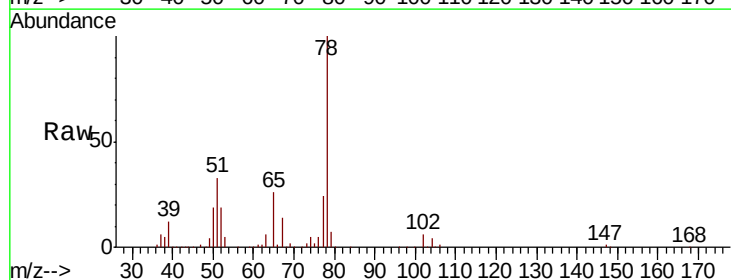
Manual Integrations
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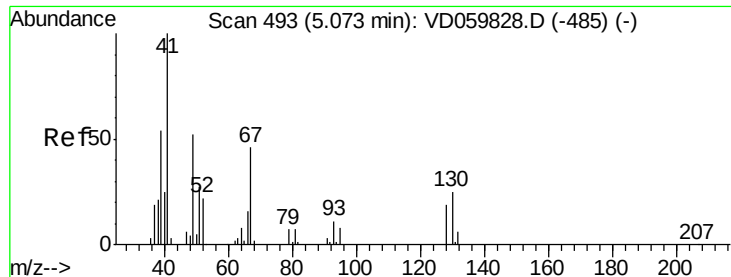
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#40
Benzene
Concen: 51.30 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





#41

Methacrylonitrile

Concen: 48.47 ug/l

RT: 5.08 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 257673

Ion Ratio Lower Upper

41 100

39 52.5 43.0 64.6

67 48.9 36.7 55.1

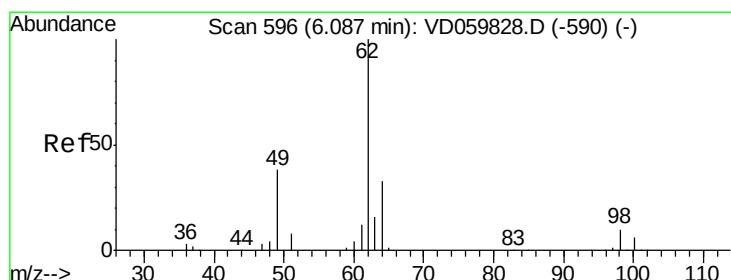
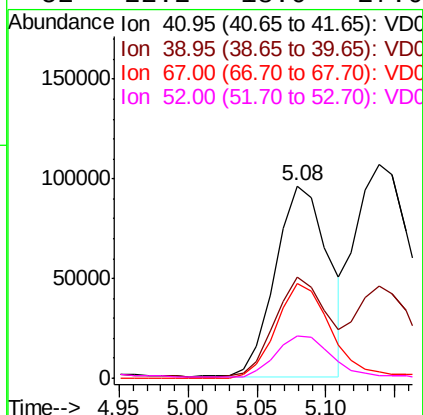
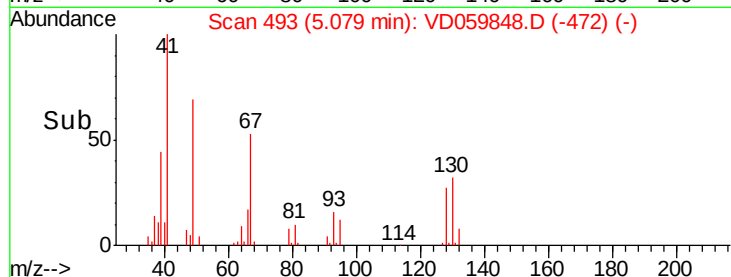
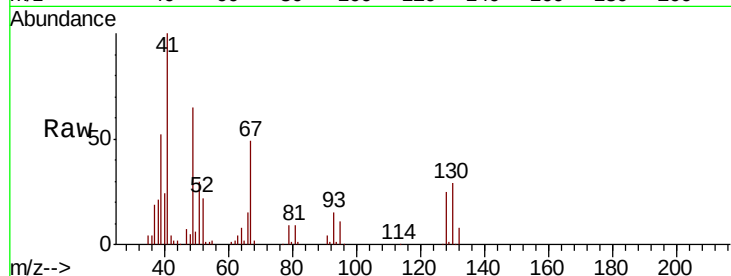
52 22.2 18.0 27.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 49.34 ug/l

RT: 6.09 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD059848.D

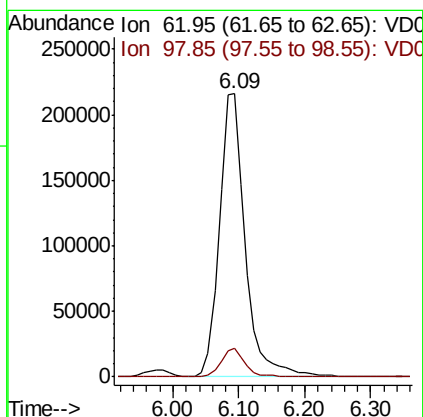
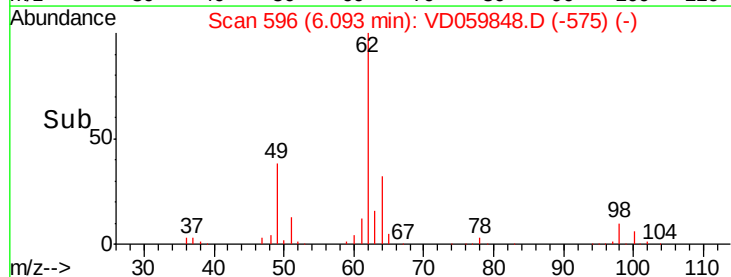
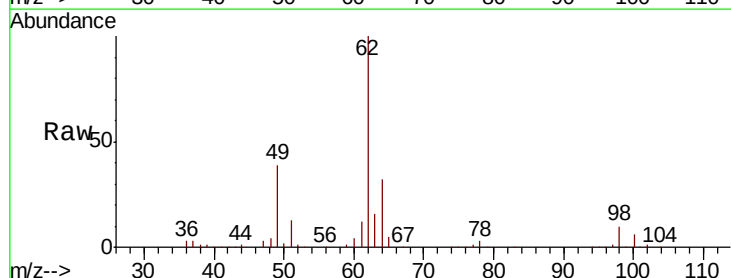
Acq: 21 Aug 2018 11:15

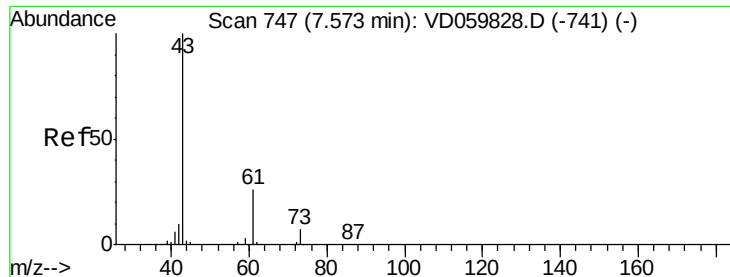
Tgt Ion: 62 Resp: 582705

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 48.84 ug/l

RT: 7.58 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

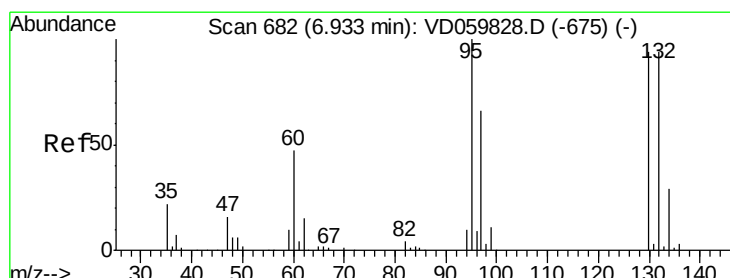
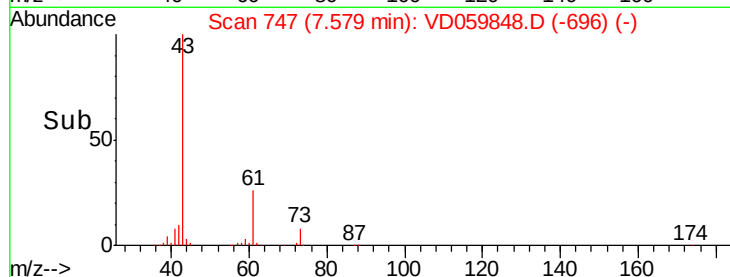
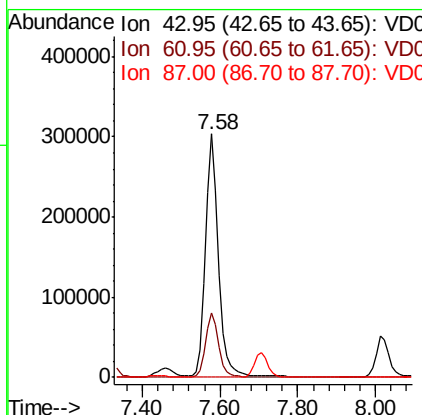
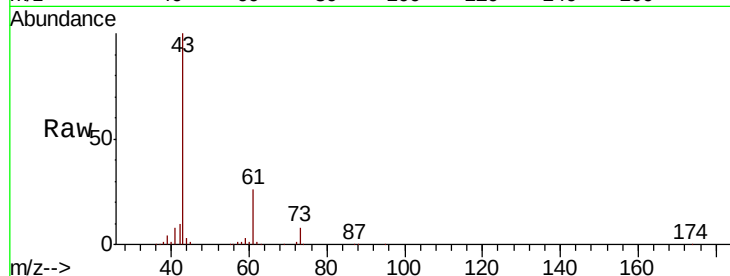
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	701061
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.4
87	0.2	0.2	0.4

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#44

Trichloroethene

Concen: 52.36 ug/l

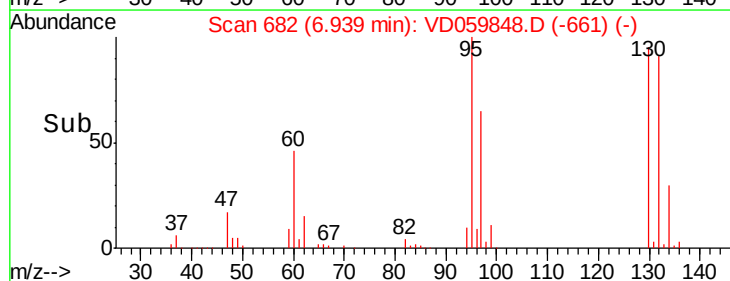
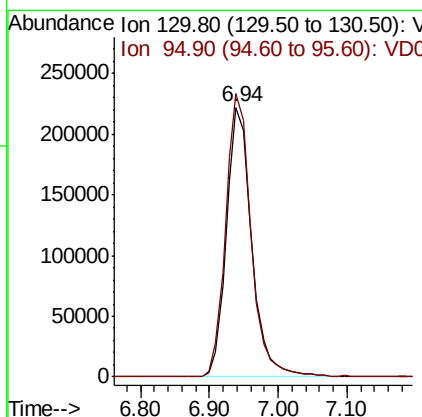
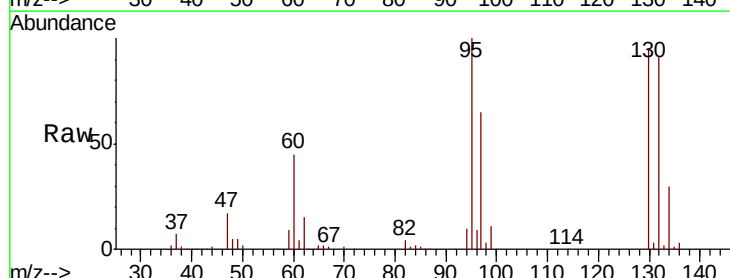
RT: 6.94 min Scan# 682

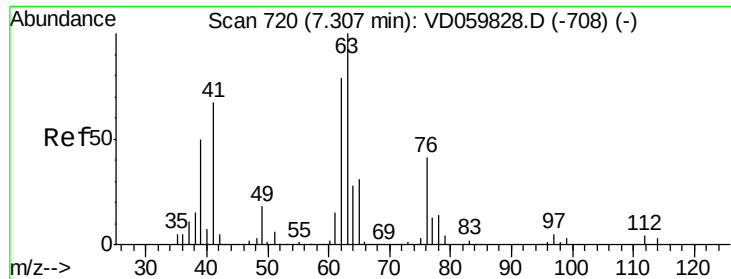
Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion:	130	Resp:	564749
Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	213.0





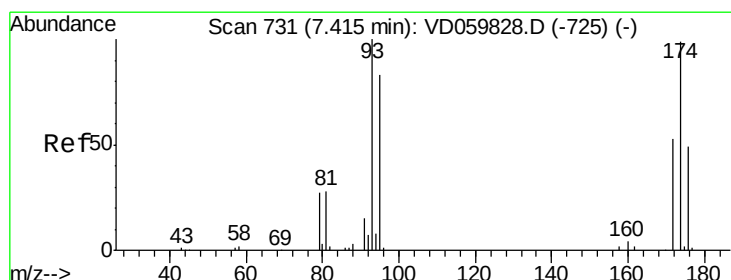
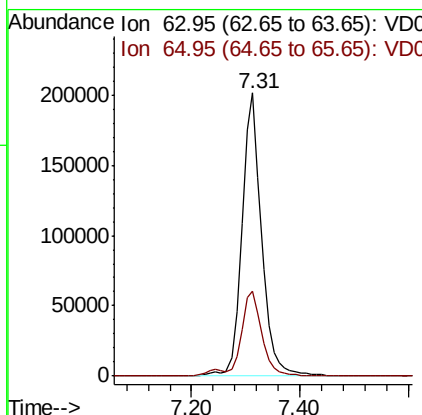
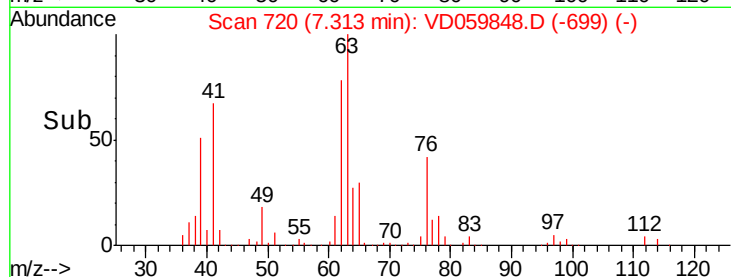
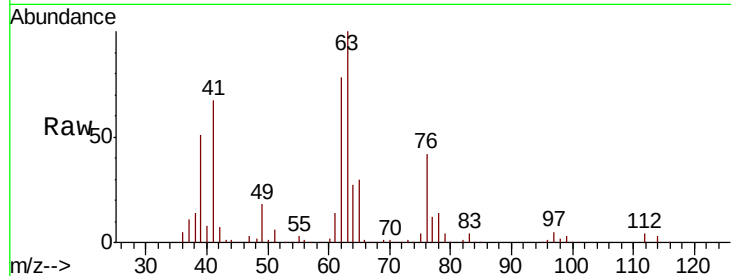
#45
 1,2-Dichloropropane
 Concen: 47.61 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 507002
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.5 36.7

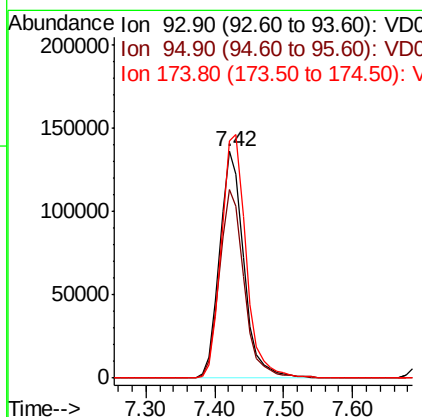
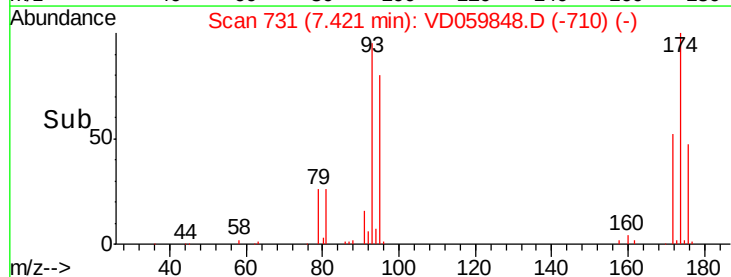
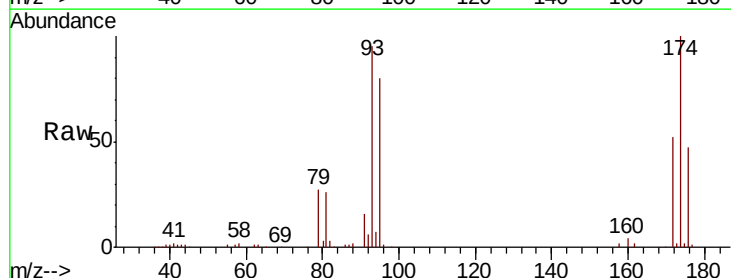
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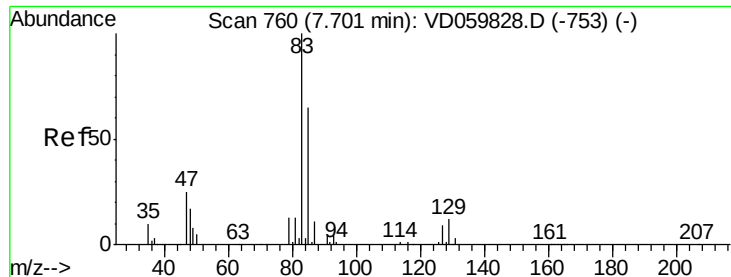
apatel
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#46
 Dibromomethane
 Concen: 50.04 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion: 93 Resp: 331841
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.3 99.5
 174 104.9 79.4 119.0





#47

Bromodichloromethane

Concen: 49.34 ug/l

RT: 7.71 min Scan# 760

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

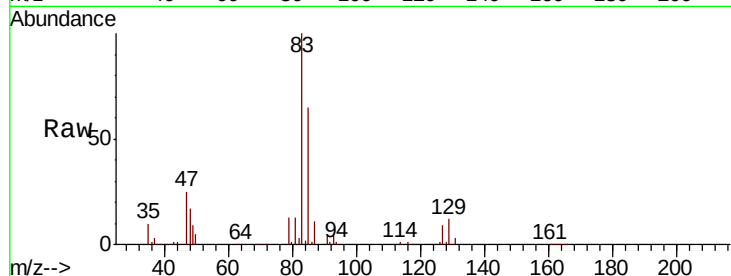
ClientSampleId :

VSTDCCC050

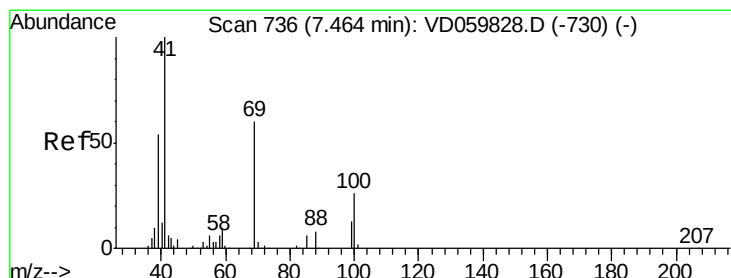
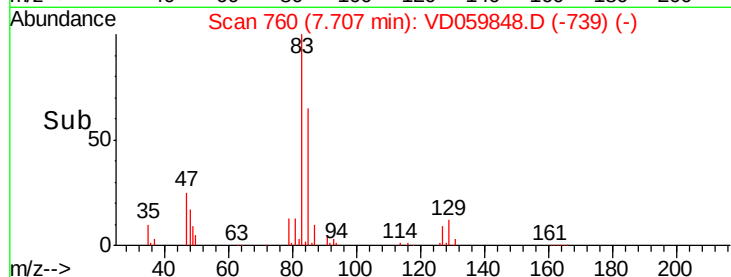
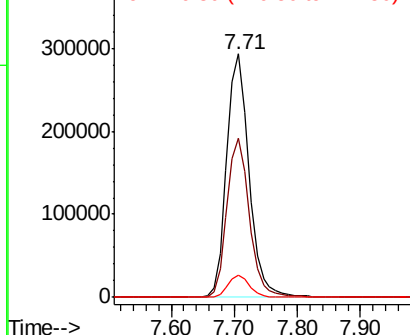
Tot Ion:	83	Resp:	722393
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.2	78.4
127	9.3	7.1	10.7

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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: 48.86 ug/l

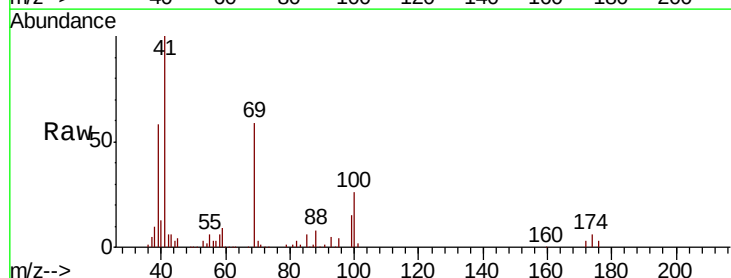
RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

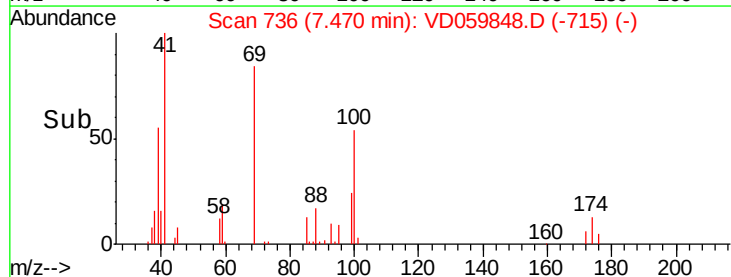
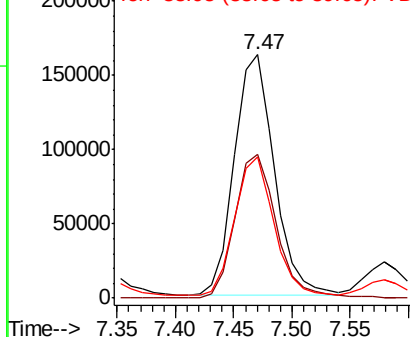
Lab File: VD059848.D

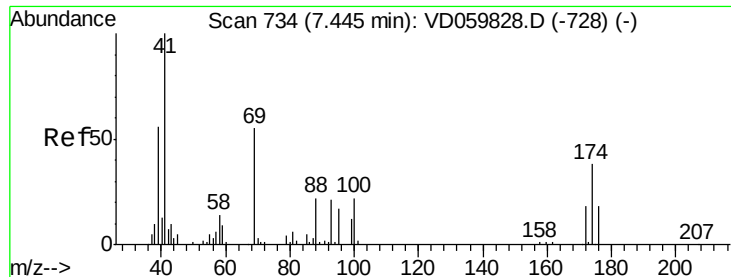
Acq: 21 Aug 2018 11:15

Tgt Ion:	41	Resp:	386762
Ion Ratio	Lower	Upper	
41	100		
69	59.0	47.0	70.4
39	58.0	43.4	65.2



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: 1090.24 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

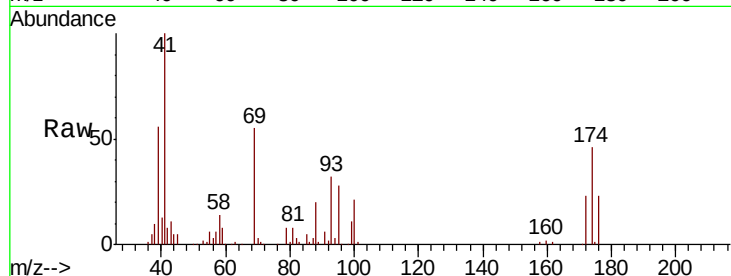
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	73037		
43	53.4		41.4	62.0
58	67.0		52.4	78.6

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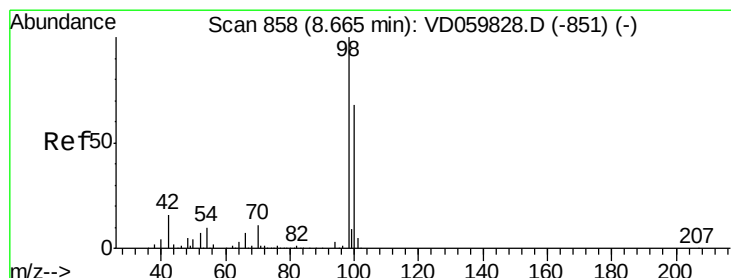
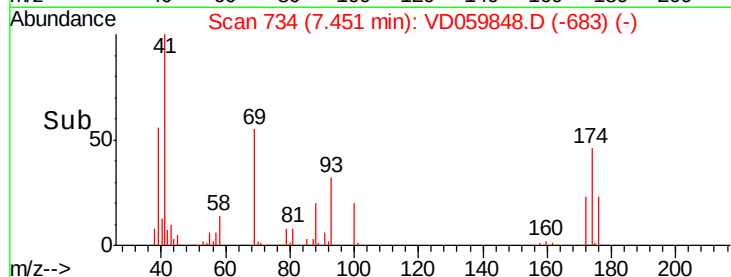
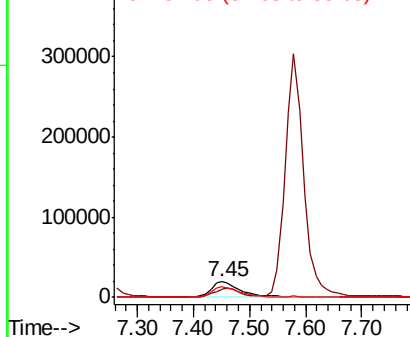


Abundance

Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1090.24 ug/l

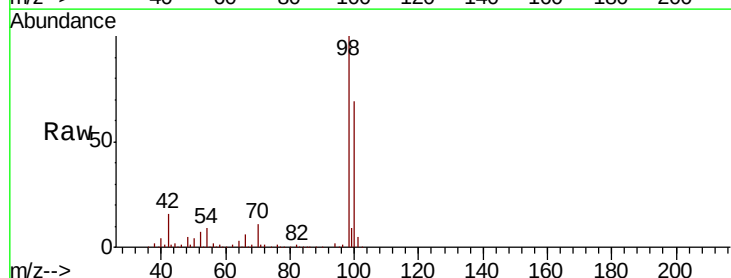
RT: 8.67 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

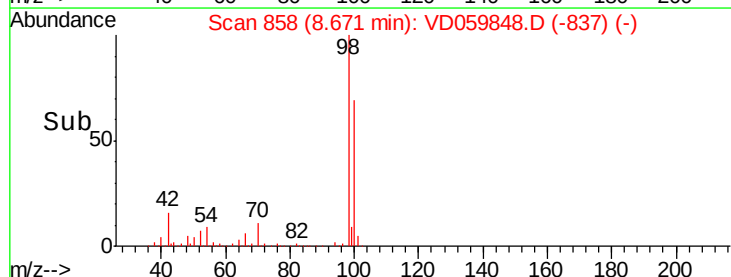
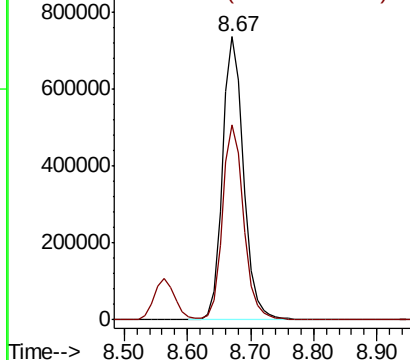
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1715322		
100	68.8		55.0	82.4

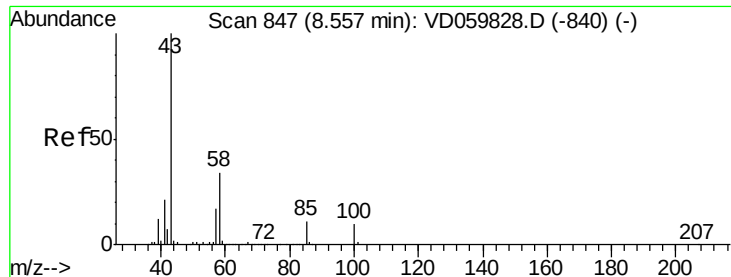


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 269.07 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2581972

Ion Ratio Lower Upper

43 100

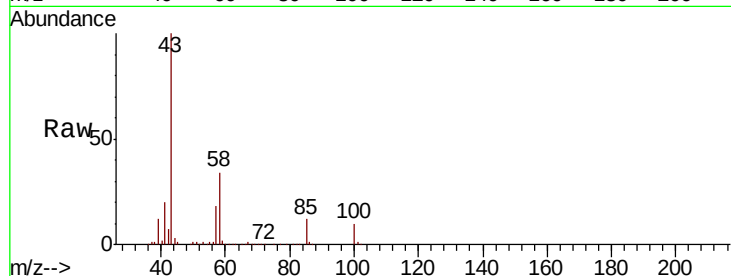
58 33.7 27.0 40.4

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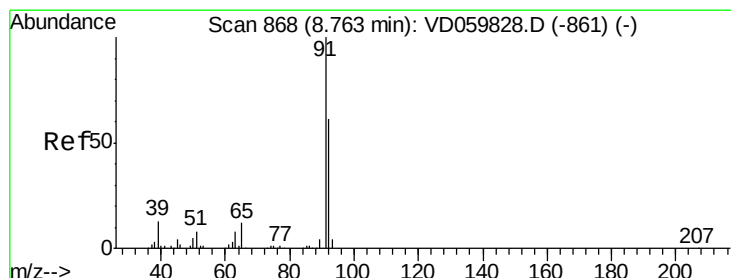
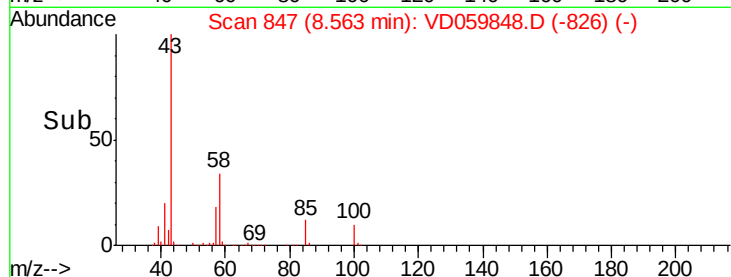
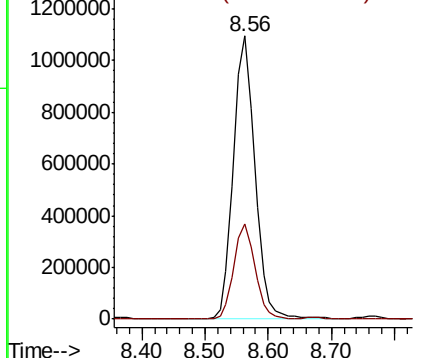
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.22 ug/l

RT: 8.77 min Scan# 868

Delta R.T. 0.01 min

Lab File: VD059848.D

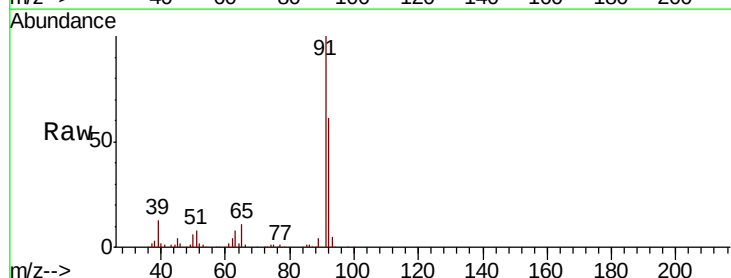
Acq: 21 Aug 2018 11:15

Tgt Ion: 92 Resp: 1174762

Ion Ratio Lower Upper

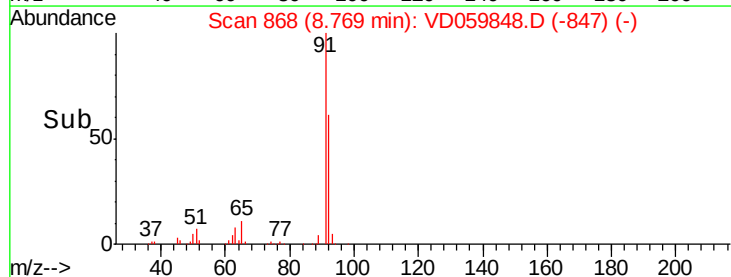
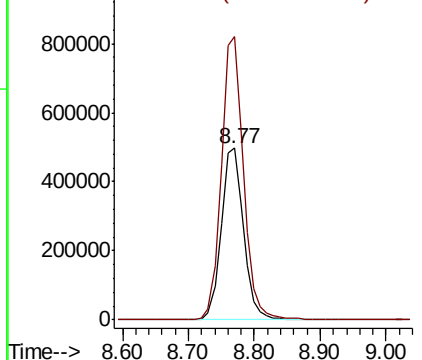
92 100

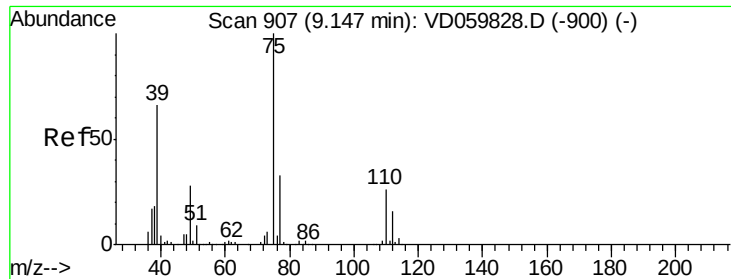
91 164.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.80 ug/l

RT: 9.15 min Scan# 907

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tot Ion: 75 Resp: 677513

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5

Instrument :

MSVOA_D

ClientSampleId :

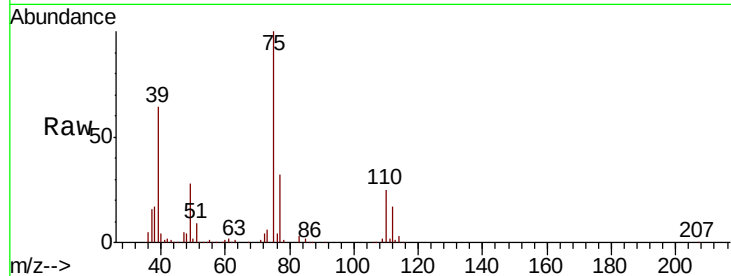
VSTDCCC050

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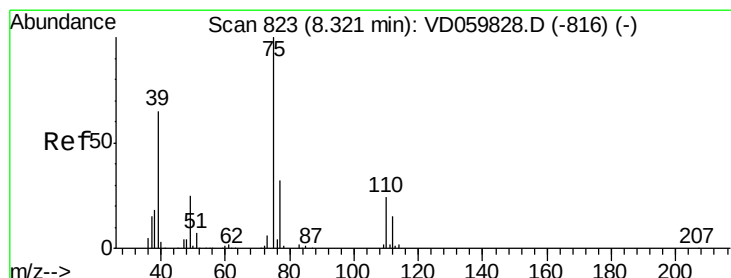
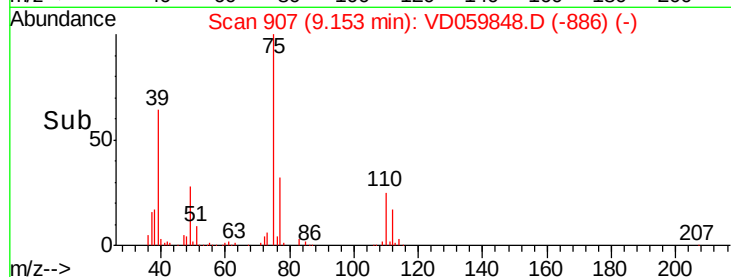
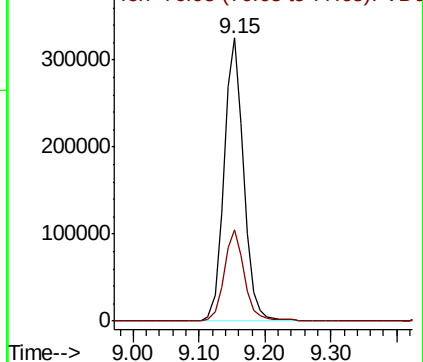
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.30 ug/l

RT: 8.33 min Scan# 823

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

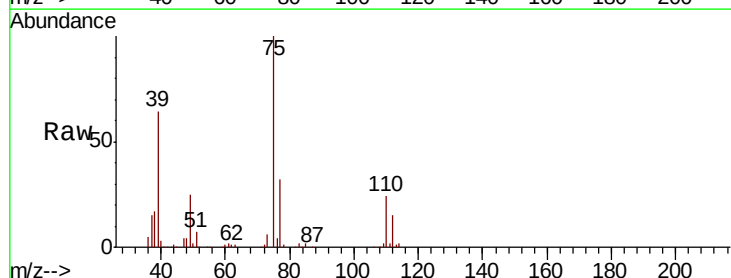
Tgt Ion: 75 Resp: 803311

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

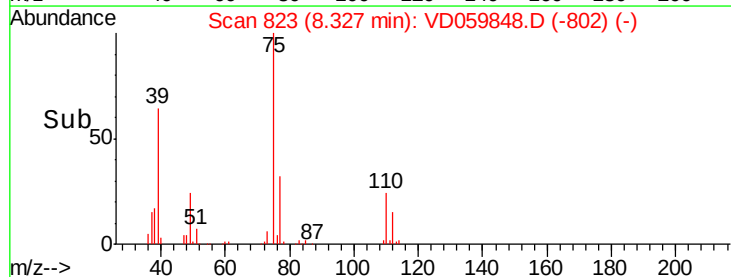
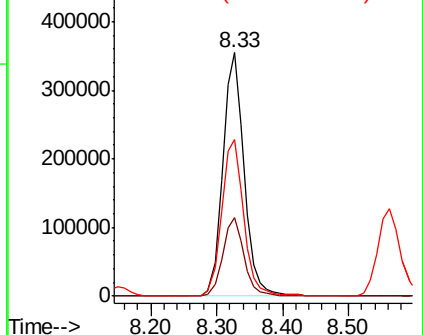
39 64.3 52.2 78.4

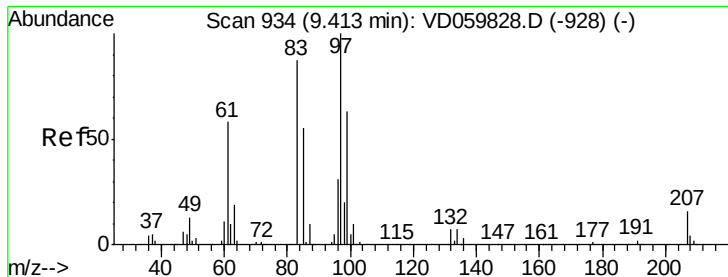


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 49.13 ug/l

RT: 9.42 min Scan# 934

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

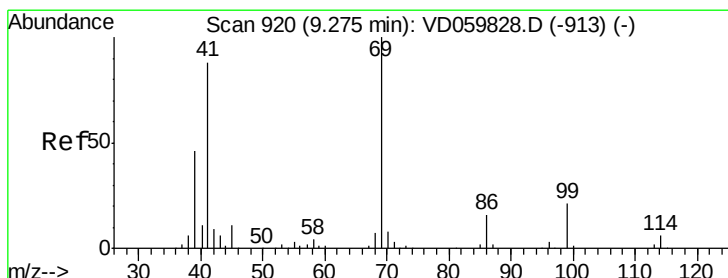
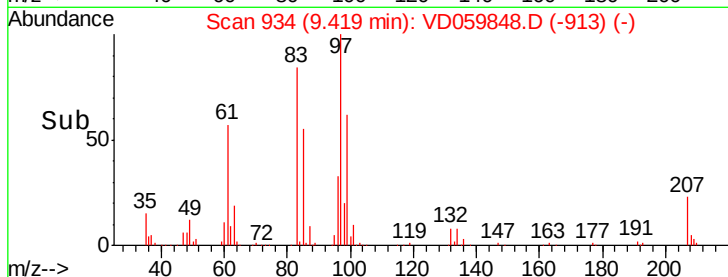
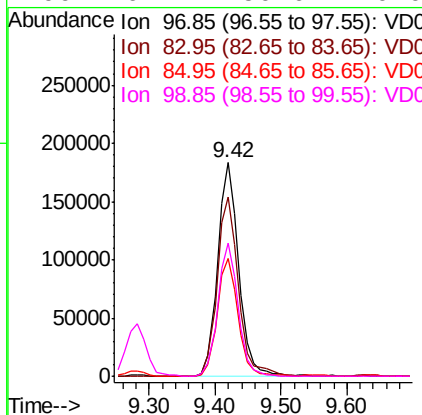
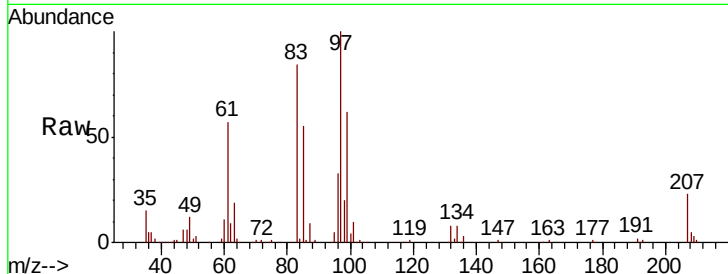
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	406765		
83	83.7	69.2	103.8	
85	55.0	44.3	66.5	
99	62.4	50.6	76.0	

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#56

Ethyl methacrylate

Concen: 47.39 ug/l

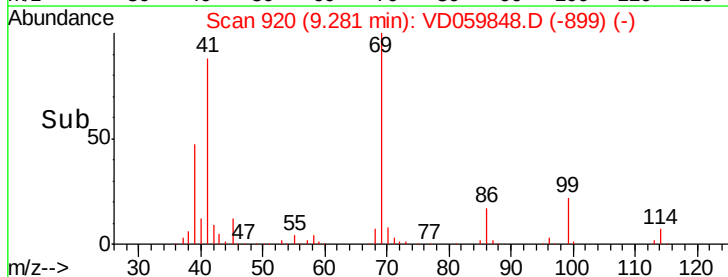
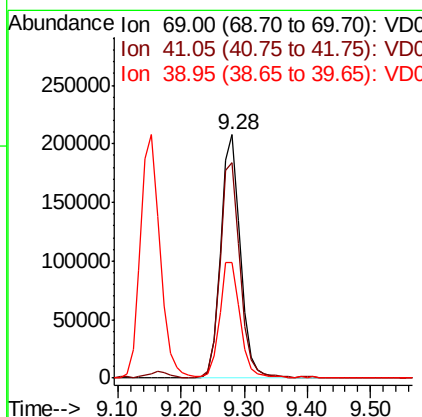
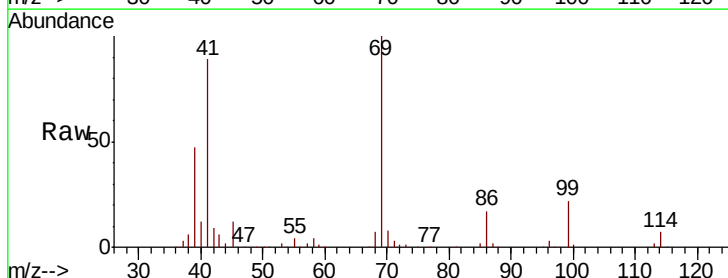
RT: 9.28 min Scan# 920

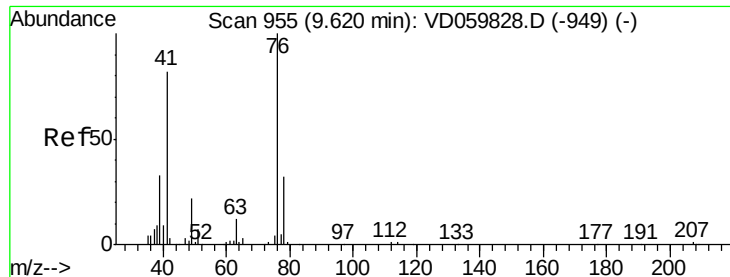
Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	452436		
41	88.6	71.0	106.4	
39	47.4	38.0	57.0	





#57

1,3-Dichloropropane

Concen: 49.92 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tot Ion: 76 Resp: 604311

Ion Ratio Lower Upper

76 100

78 33.0 25.5 38.3

Instrument :

MSVOA_D

ClientSampleId :

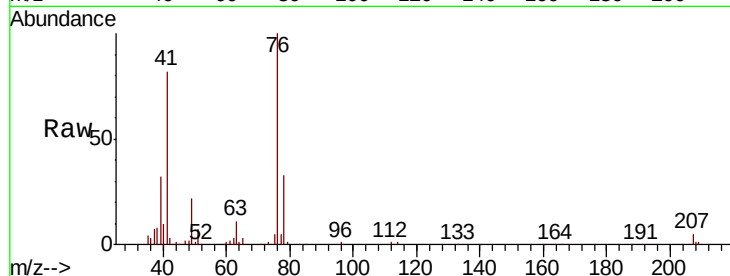
VSTDCCC050

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.63

300000

250000

200000

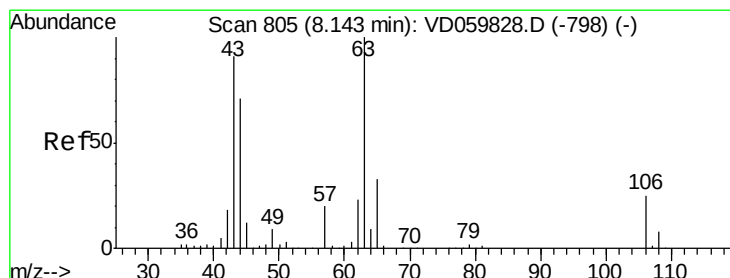
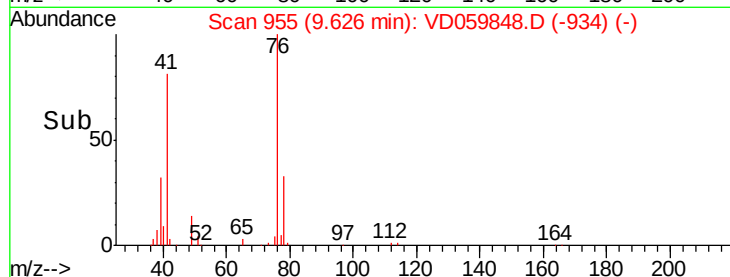
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 232.55 ug/l

RT: 8.15 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059848.D

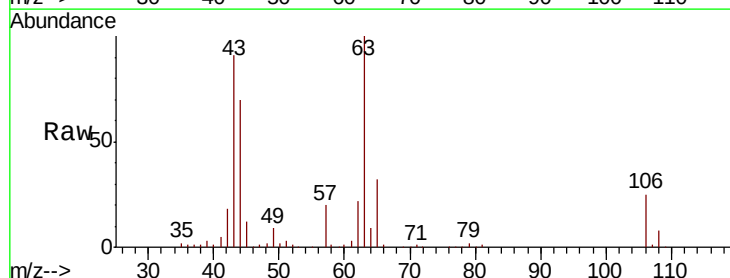
Acq: 21 Aug 2018 11:15

Tgt Ion: 63 Resp: 1224917

Ion Ratio Lower Upper

63 100

106 25.4 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.15

600000

500000

400000

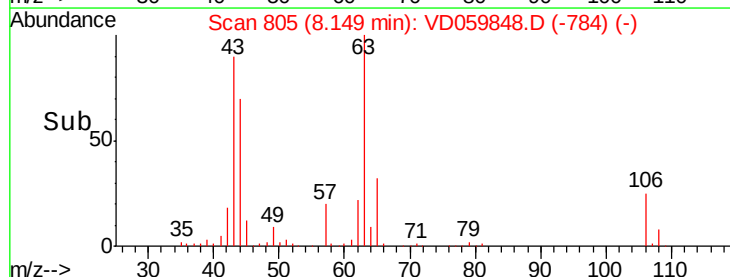
300000

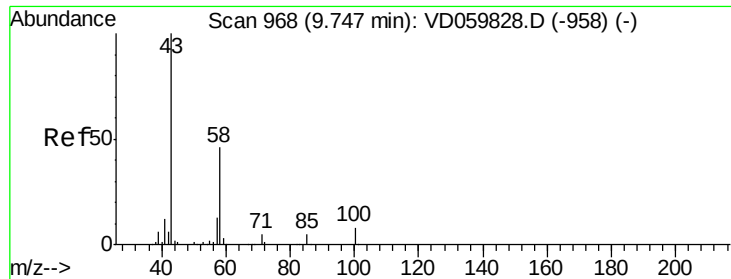
200000

100000

0

Time-->





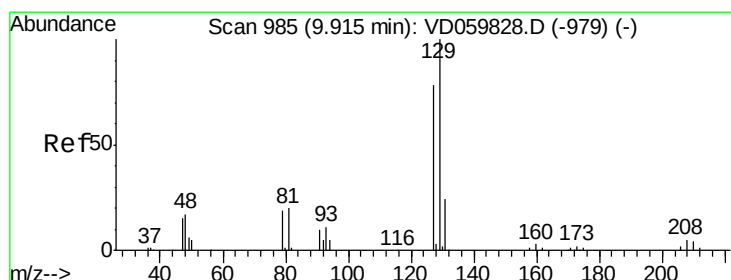
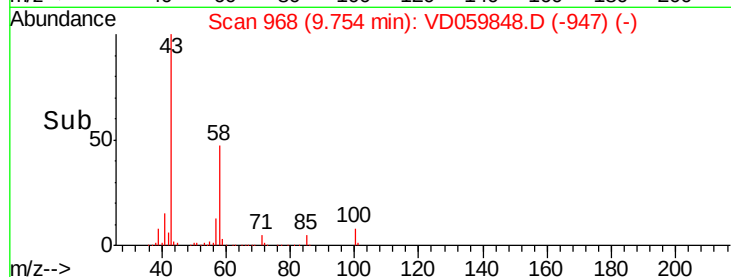
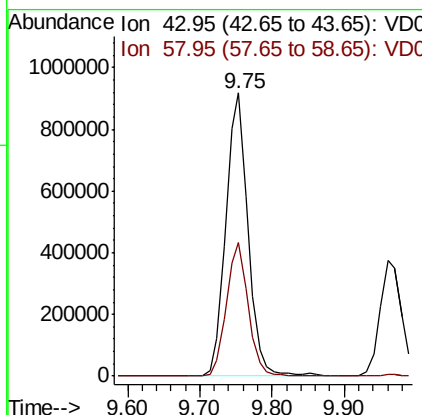
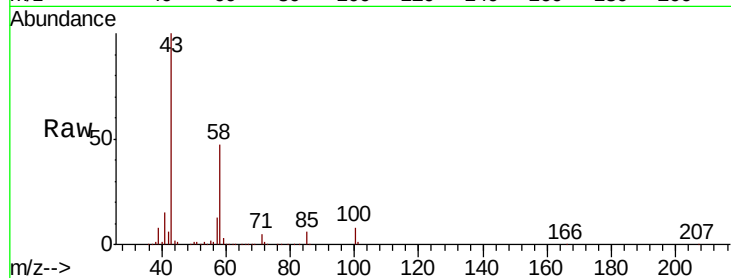
#59
2-Hexanone
Concen: 275.20 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1951997
Ion Ratio Lower Upper
43 100
58 47.2 23.1 69.2

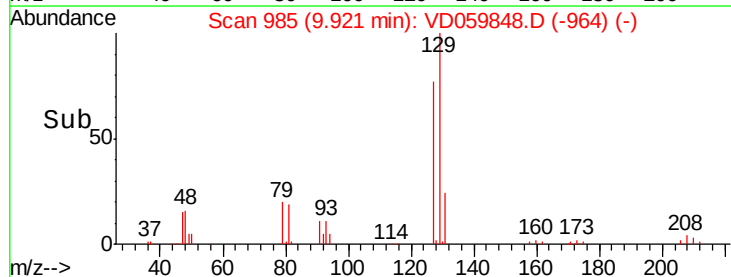
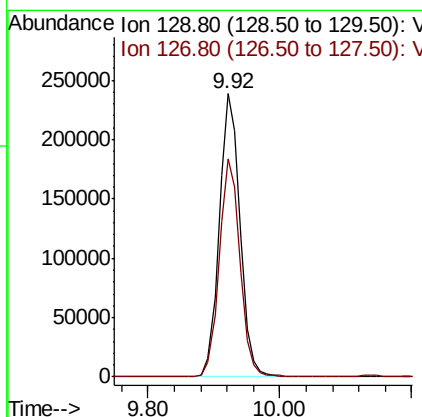
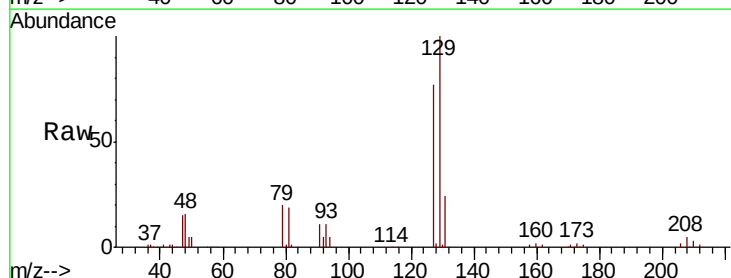
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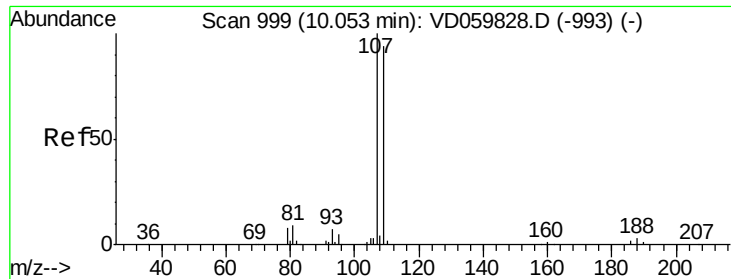
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#60
Dibromochloromethane
Concen: 49.08 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion: 129 Resp: 523207
Ion Ratio Lower Upper
129 100
127 76.9 39.0 116.9





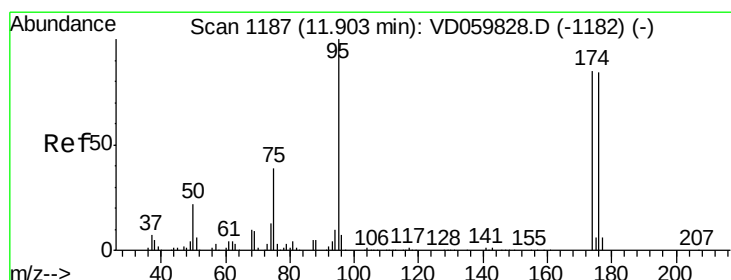
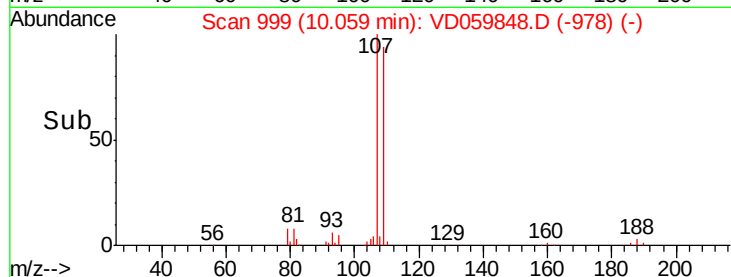
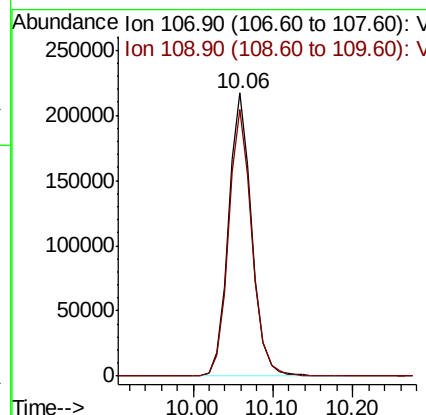
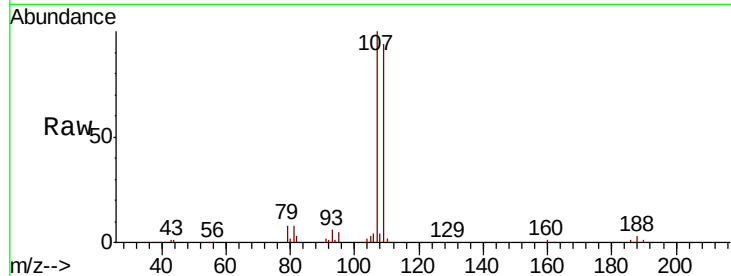
#61
 1,2-Dibromoethane
 Concen: 50.14 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.6

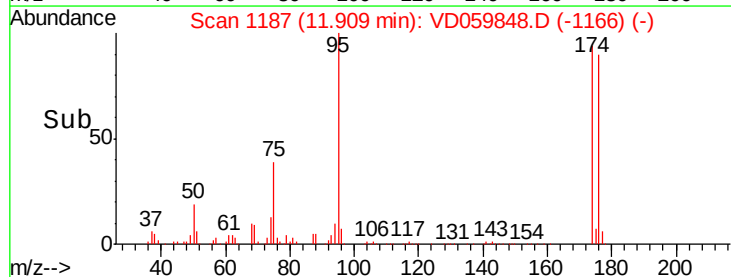
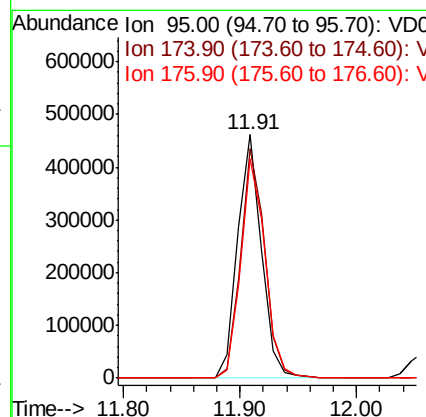
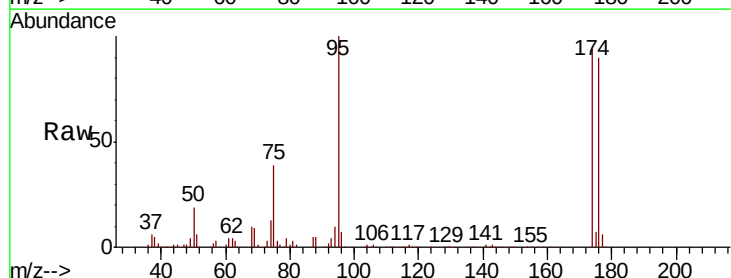
Manual Integrations
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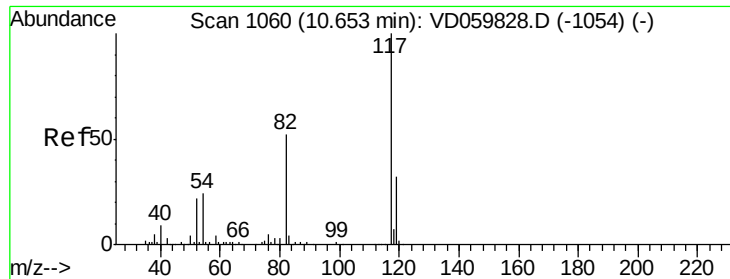
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#62
 4-Bromofluorobenzene
 Concen: 50.14 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	169.2
176	90.2	0.0	168.0





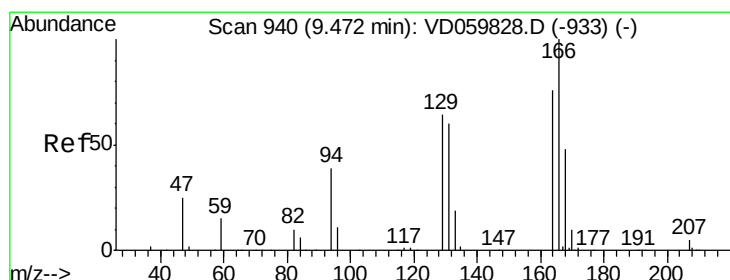
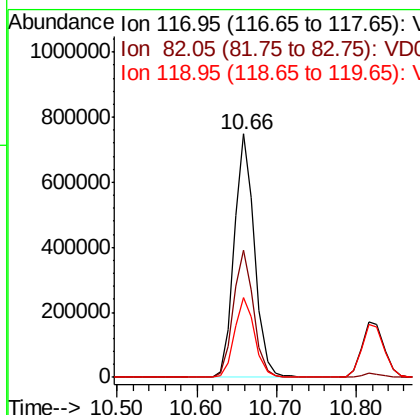
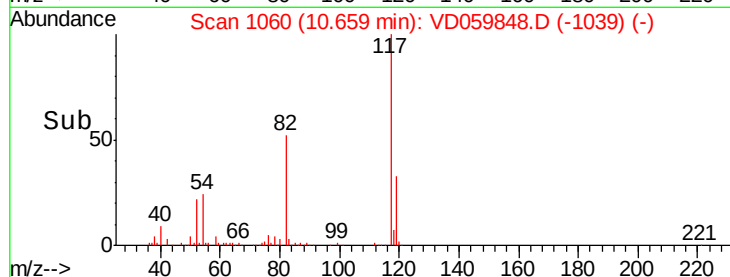
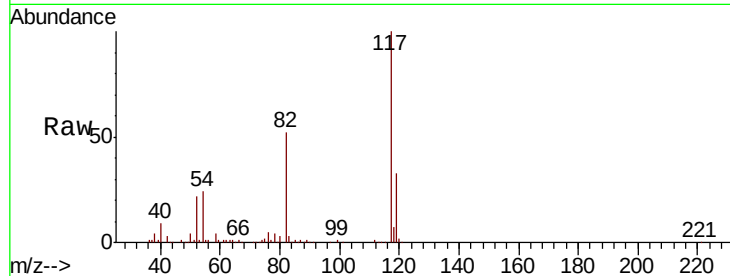
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1329994
Ion Ratio Lower Upper
117 100
82 52.4 41.6 62.4
119 32.7 25.6 38.4

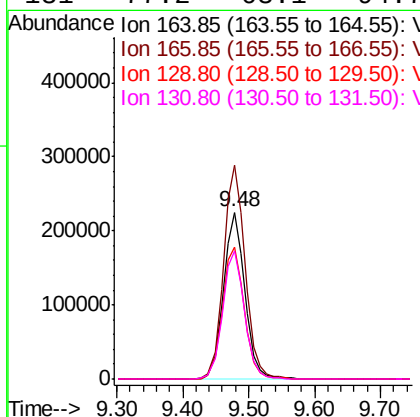
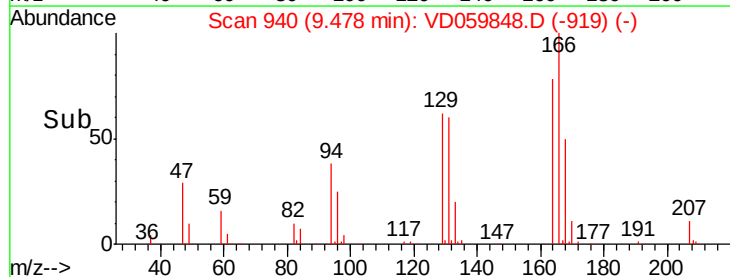
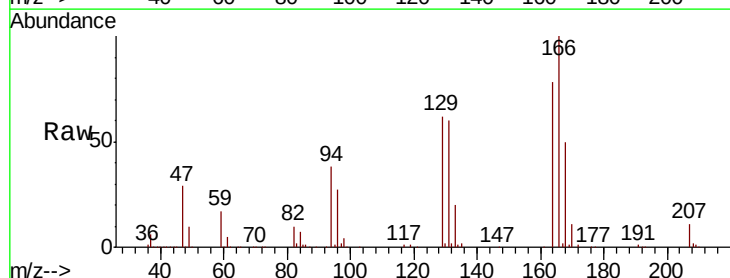
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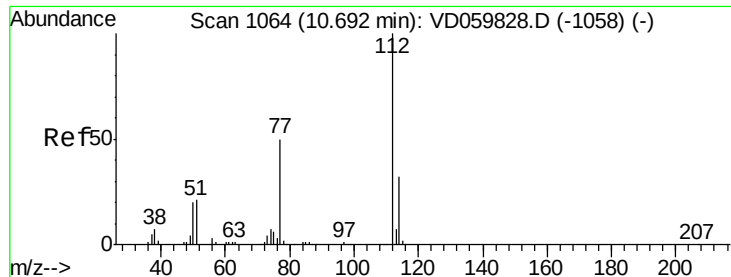
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#64
Tetrachloroethene
Concen: 52.22 ug/l
RT: 9.48 min Scan# 940
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:164 Resp: 508534
Ion Ratio Lower Upper
164 100
166 128.3 104.9 157.3
129 79.0 66.7 100.1
131 77.2 63.1 94.7





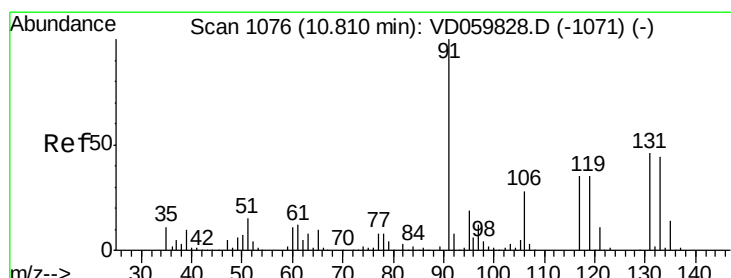
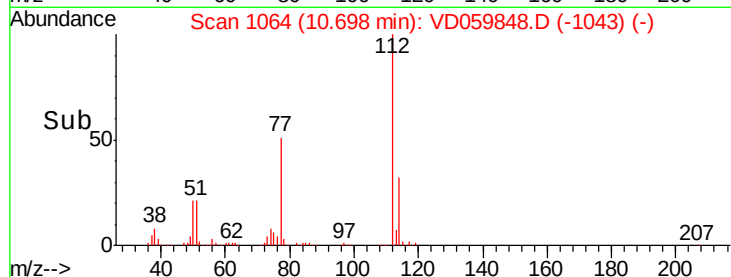
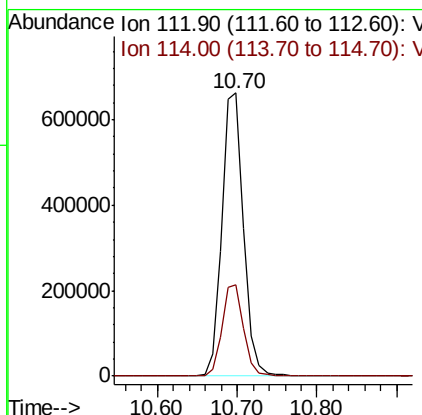
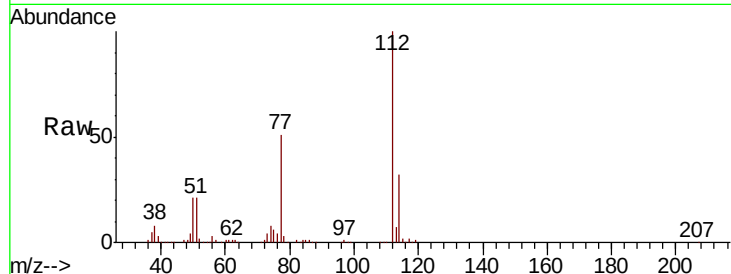
#65
Chlorobenzene
Concen: 49.41 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1267331
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

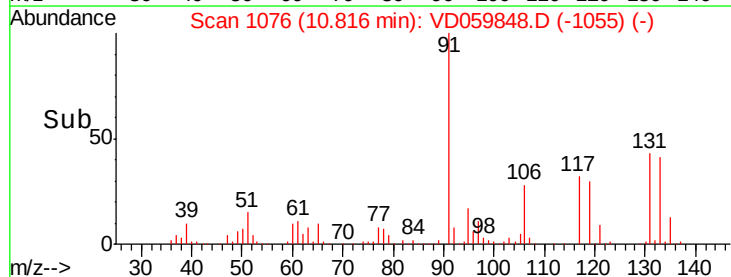
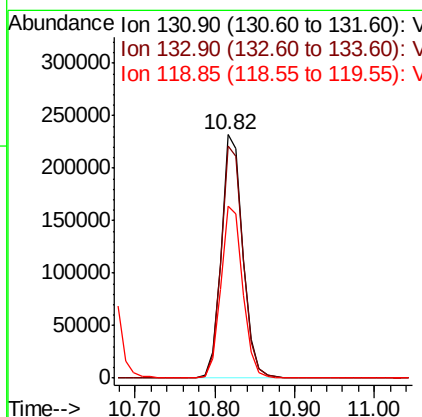
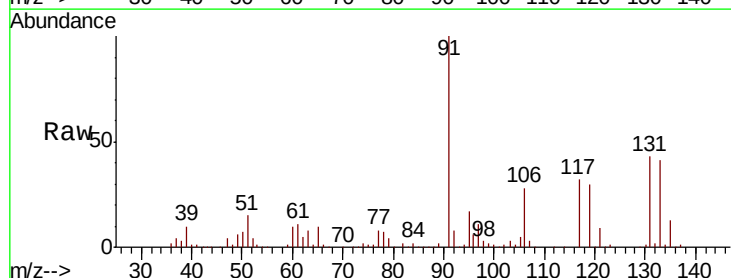
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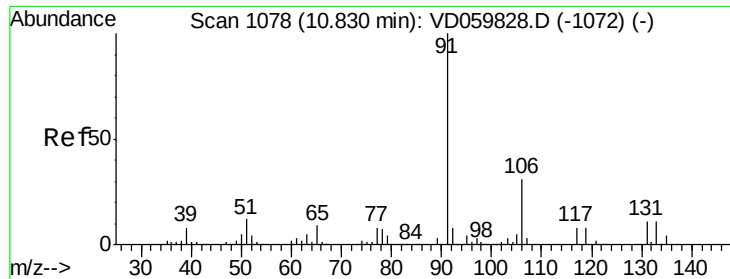
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.63 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:131 Resp: 443268
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.4
119 70.7 37.5 112.7





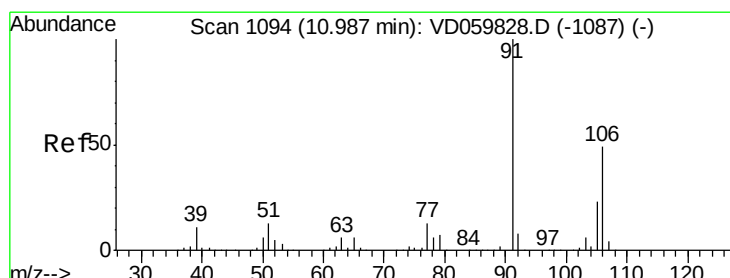
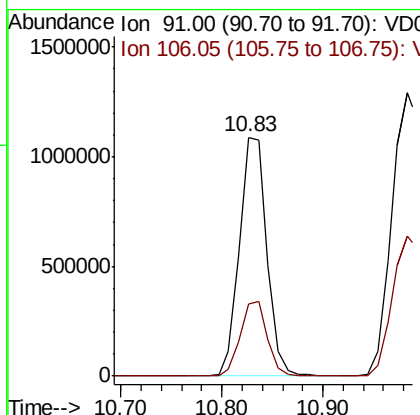
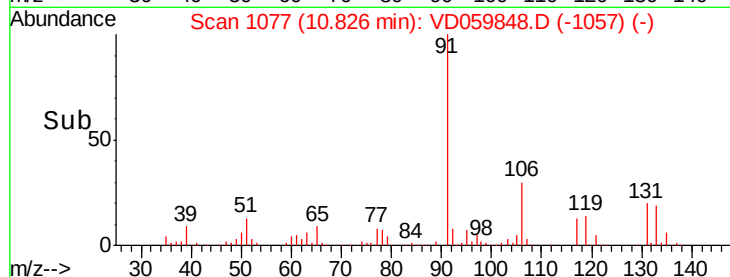
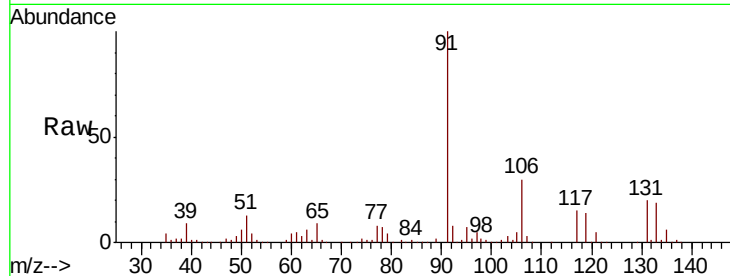
#67
Ethyl Benzene
Concen: 49.23 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2064505
Ion Ratio Lower Upper
91 100
106 30.3 25.1 37.7

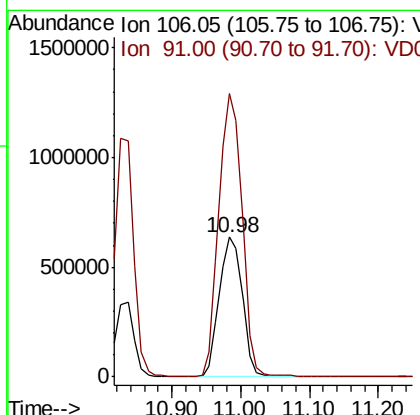
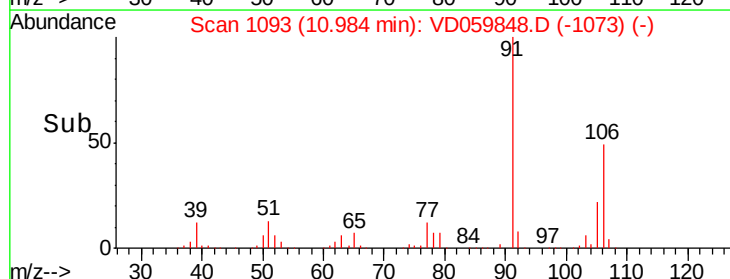
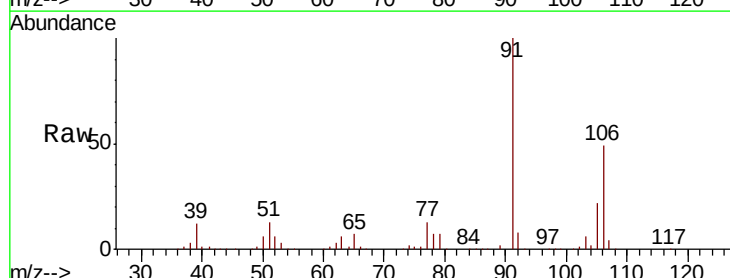
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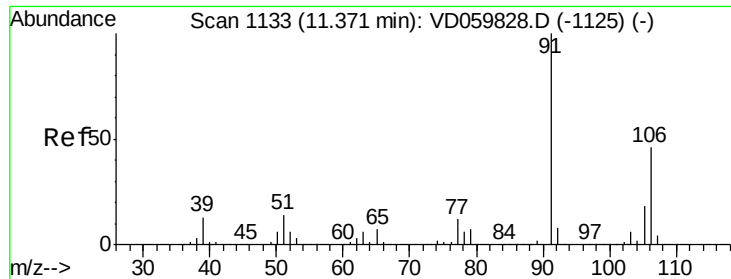
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#68
m/p-Xylenes
Concen: 95.05 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:106 Resp: 1478560
Ion Ratio Lower Upper
106 100
91 202.4 161.8 242.8





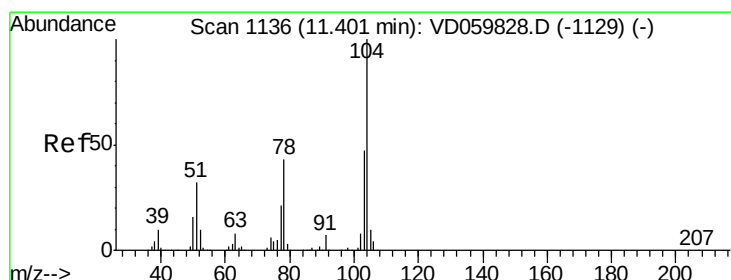
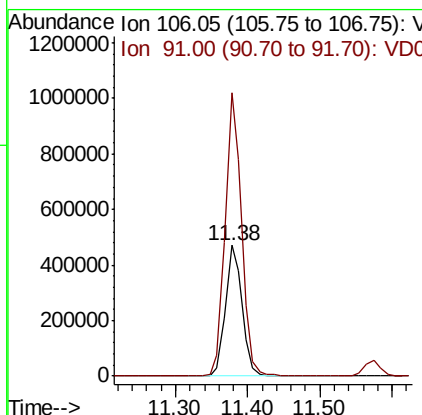
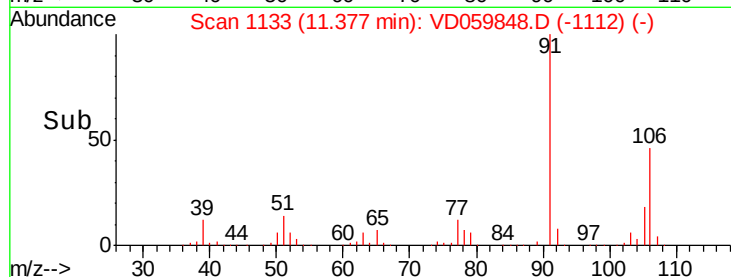
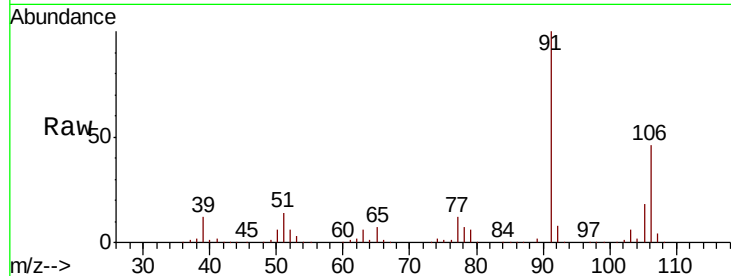
#69
o-Xylene
Concen: 50.70 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 753507
Ion Ratio Lower Upper
106 100
91 216.3 108.5 325.3

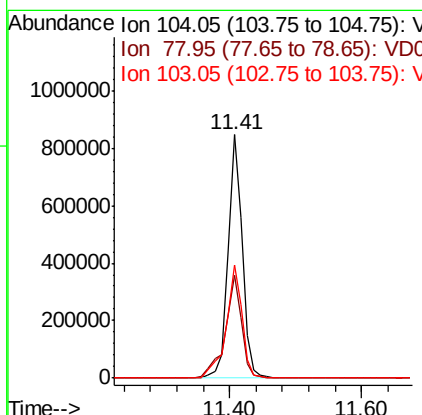
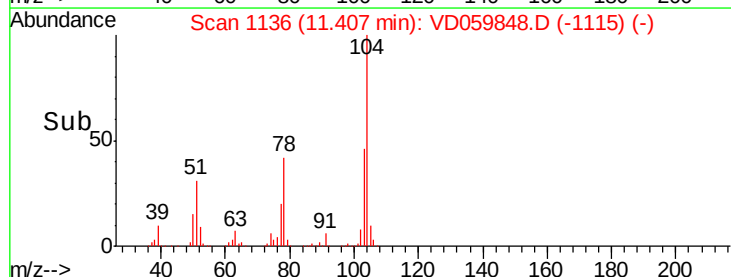
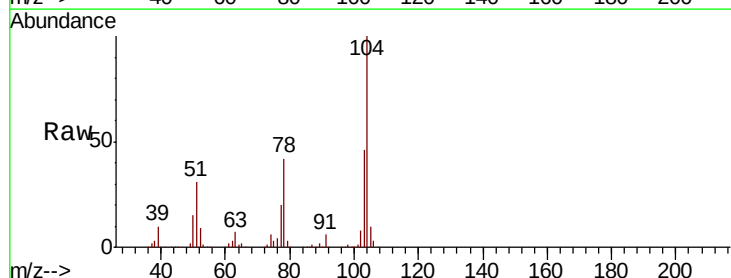
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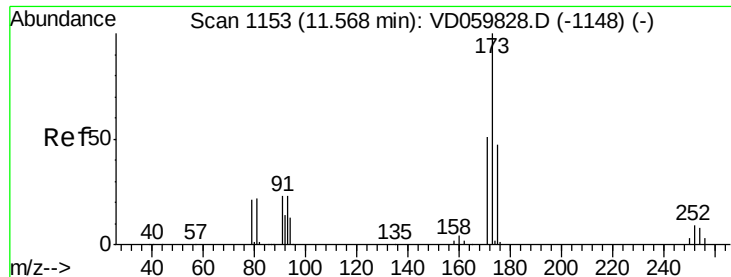
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#70
Styrene
Concen: 49.61 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion:104 Resp: 1284047
Ion Ratio Lower Upper
104 100
78 42.0 34.6 52.0
103 46.2 37.8 56.6





#71

Bromoform

Concen: 50.46 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

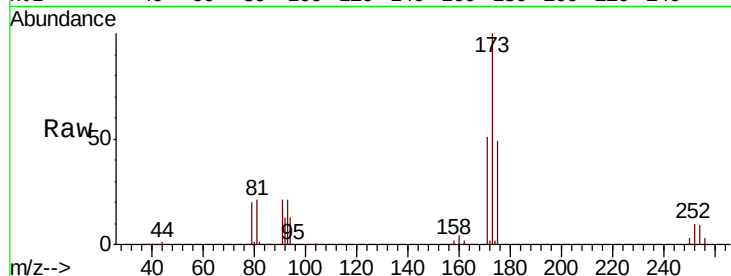
ClientSampleId :

VSTDCCC050

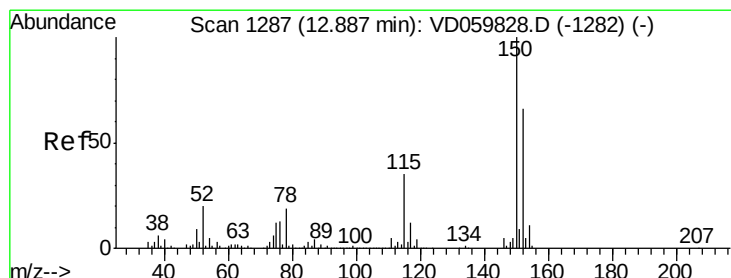
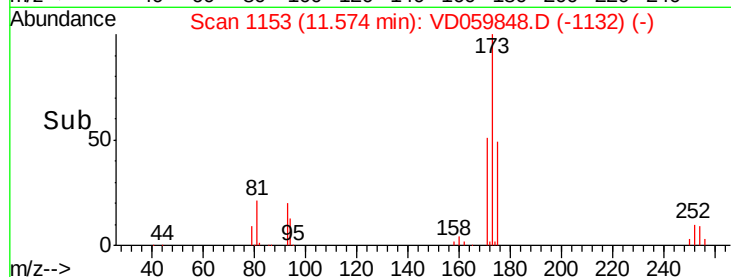
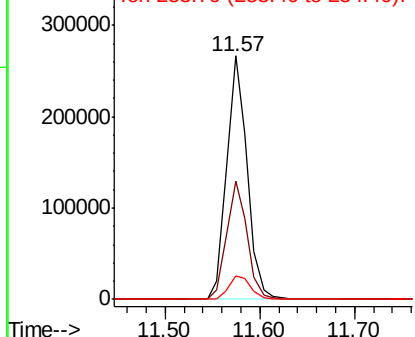
Tot Ion:	173	Resp:	396983
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.7	71.1
254	9.5	6.7	10.1

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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

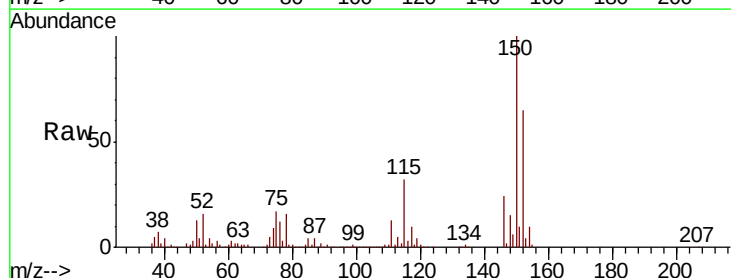
RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

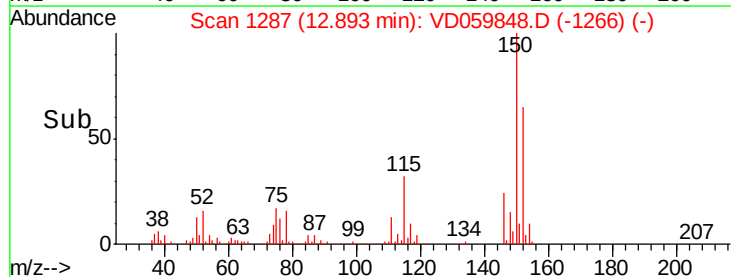
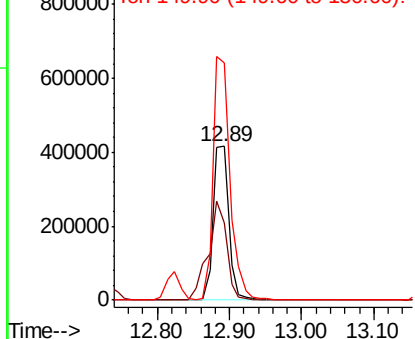
Lab File: VD059848.D

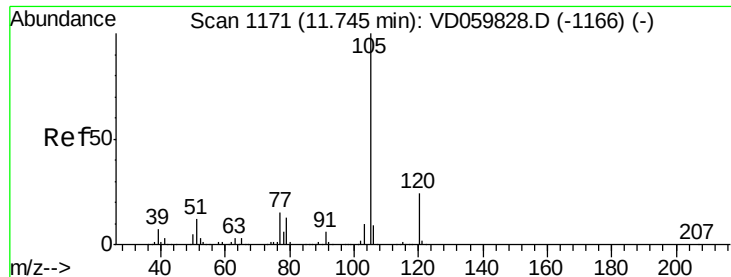
Acq: 21 Aug 2018 11:15

Tgt Ion:	152	Resp:	616311
Ion Ratio	Lower	Upper	
152	100		
115	49.8	26.9	80.6
150	154.2	0.0	306.8



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: 49.58 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2082325

Ion Ratio Lower Upper

105 100

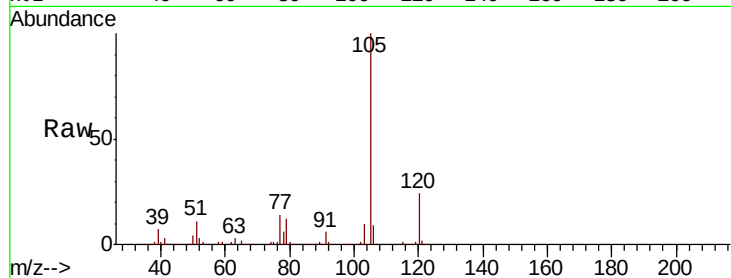
120 24.2 11.9 35.5

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.75

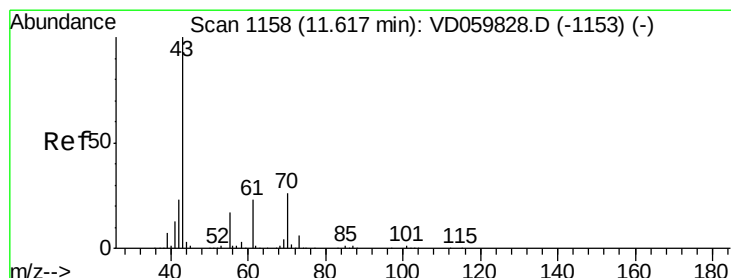
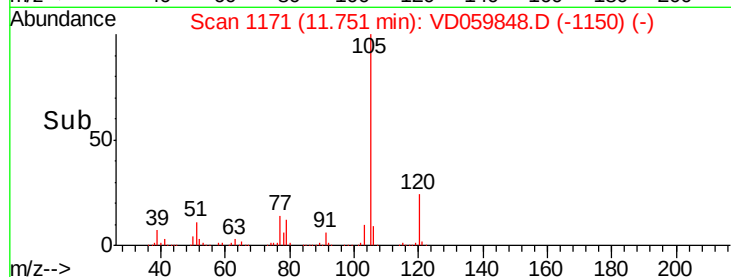
1500000

1000000

500000

0

Time--> 11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 45.37 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Tgt Ion: 43 Resp: 853348

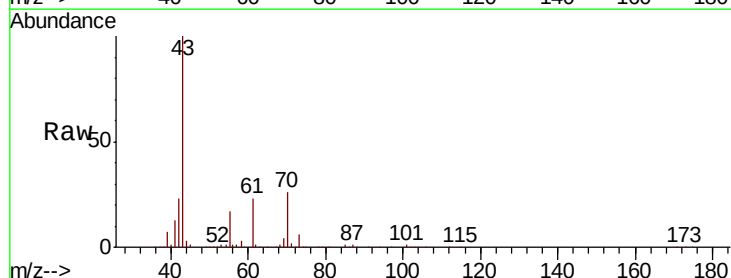
Ion Ratio Lower Upper

43 100

70 26.0 20.5 30.7

55 16.9 13.7 20.5

61 22.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.62

800000

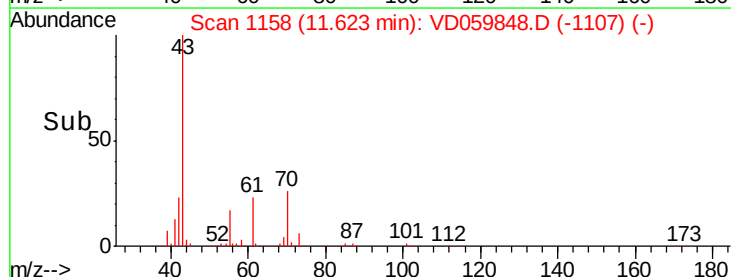
600000

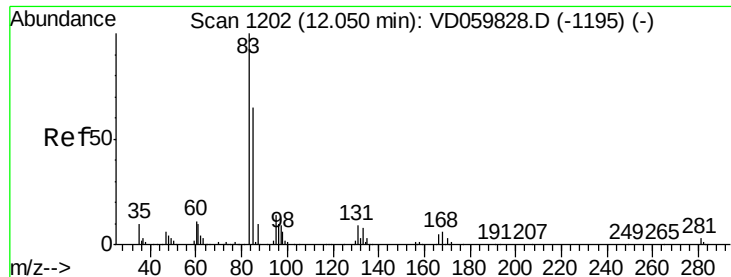
400000

200000

0

Time--> 11.50 11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 47.10 ug/l

RT: 12.06 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 466242
Ion Ratio Lower Upper

83 100

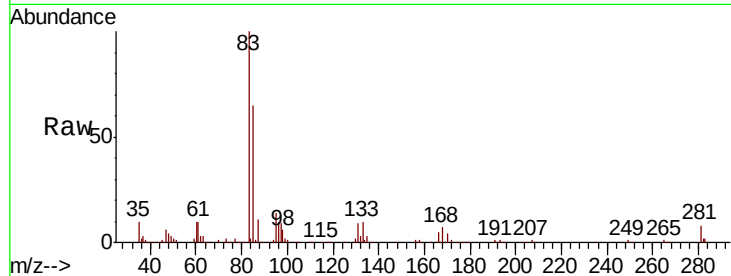
131 8.6 4.3 13.1

85 64.7 32.5 97.5

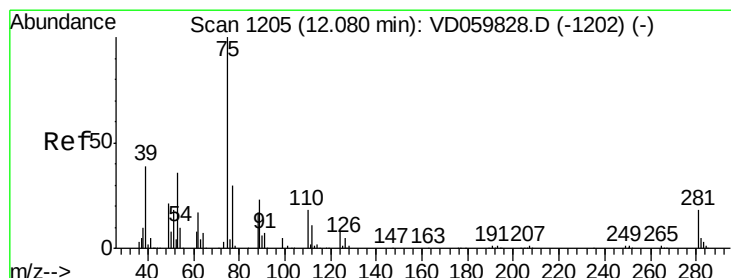
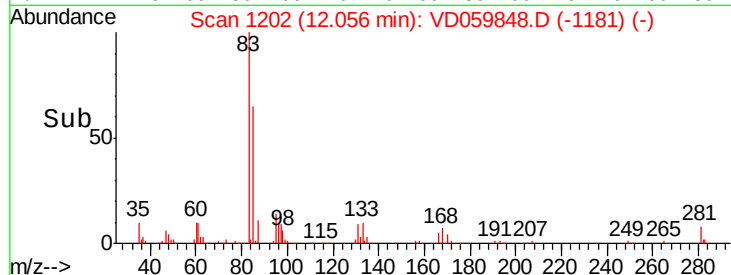
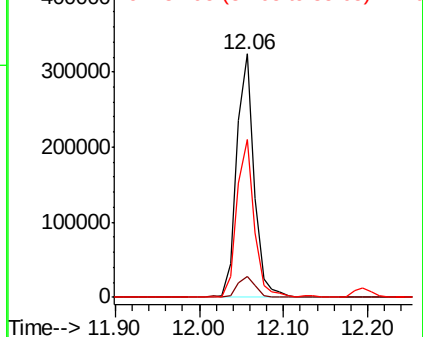
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 46.08 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

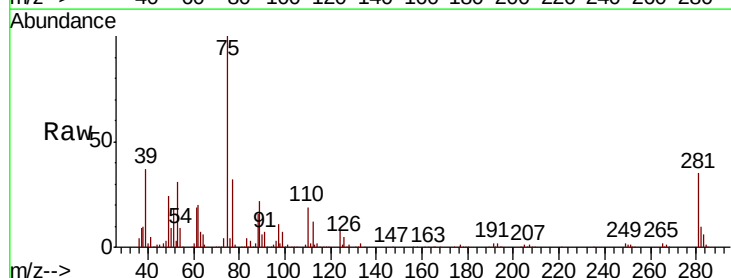
Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

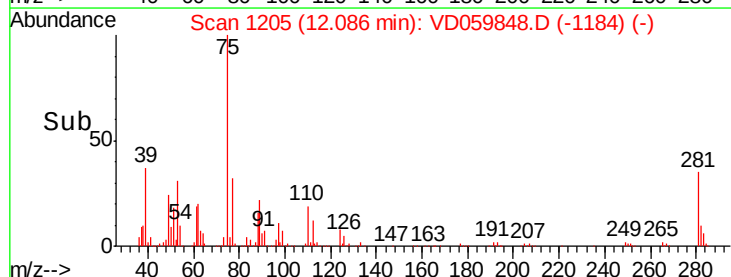
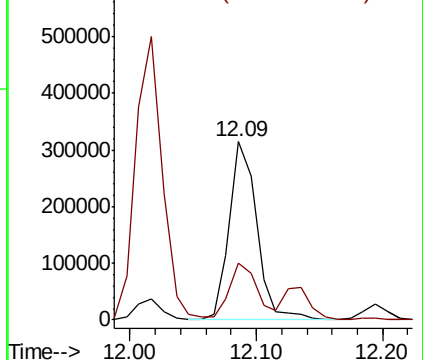
Tgt Ion: 75 Resp: 469834
Ion Ratio Lower Upper

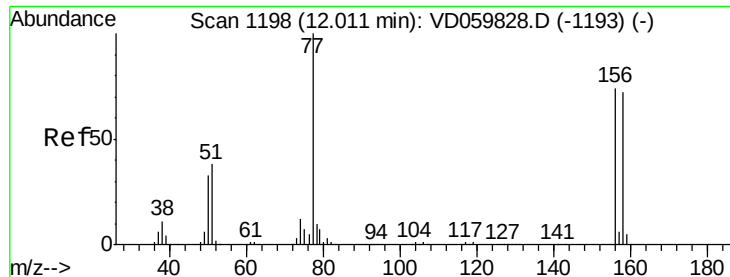
75 100

77 32.2 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.23 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

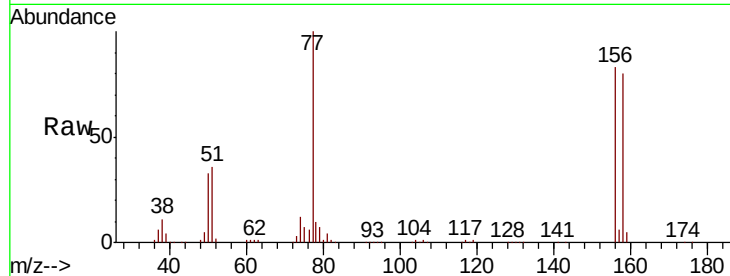
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		586406		
77	119.8	68.0	204.0		
158	95.3	48.9	146.8		

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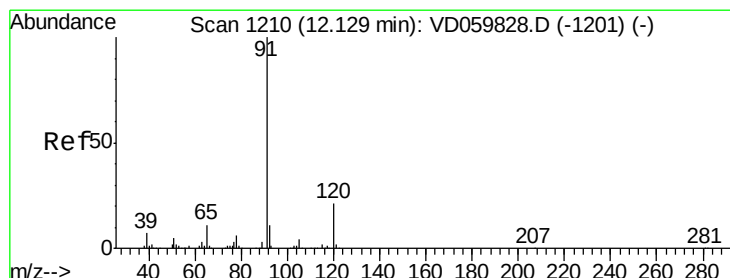
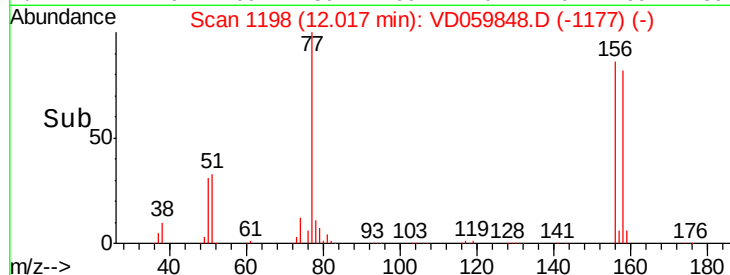
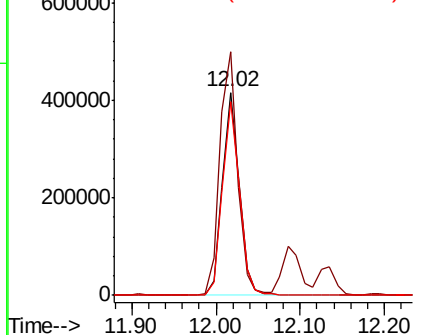
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.69 ug/l

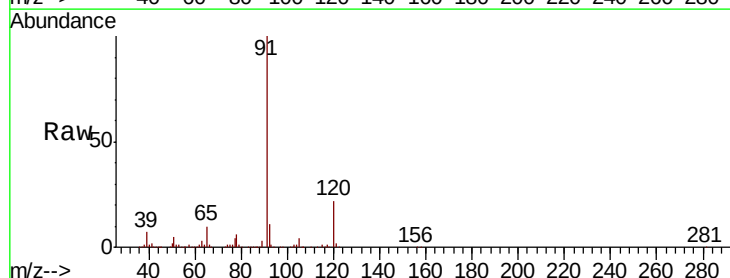
RT: 12.14 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VD059848.D

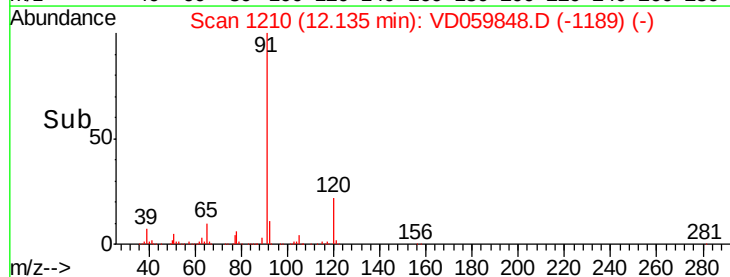
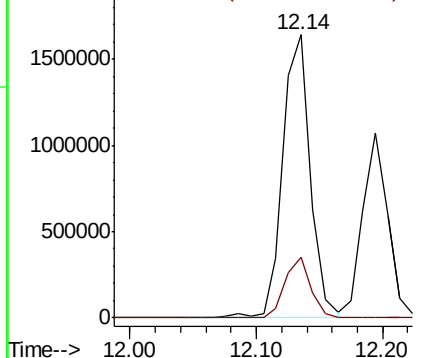
Acq: 21 Aug 2018 11:15

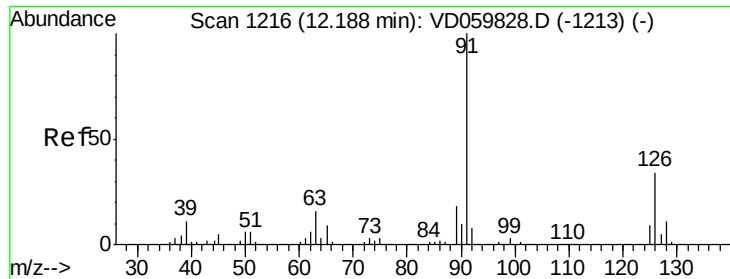
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2487820		
120	21.6	10.5	31.5		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





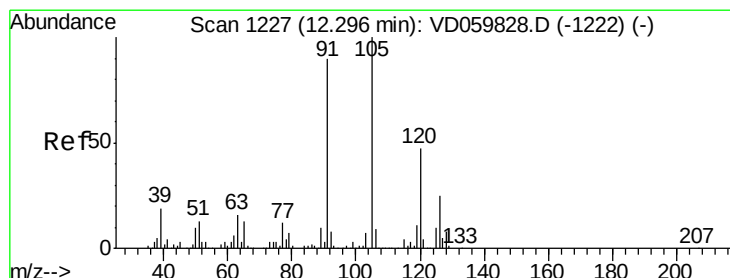
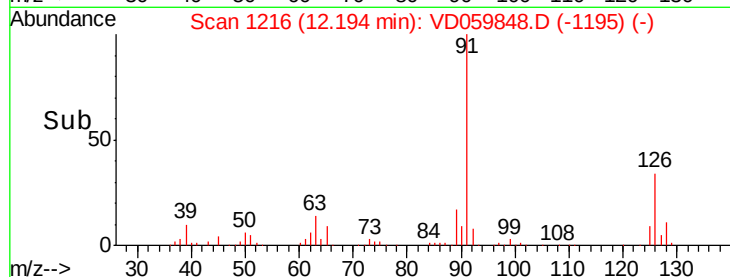
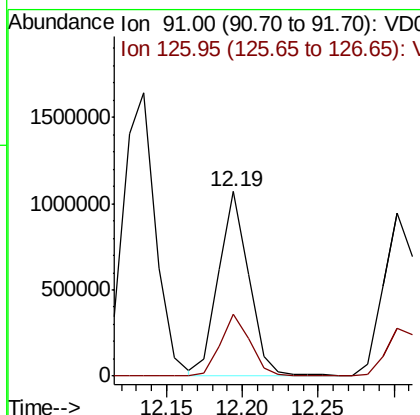
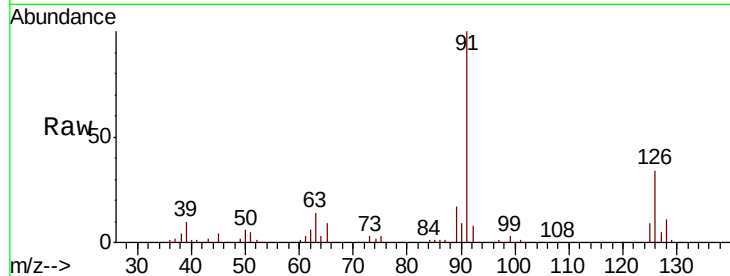
#79
 2-Chlorotoluene
 Concen: 49.30 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1480770
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.6 49.8

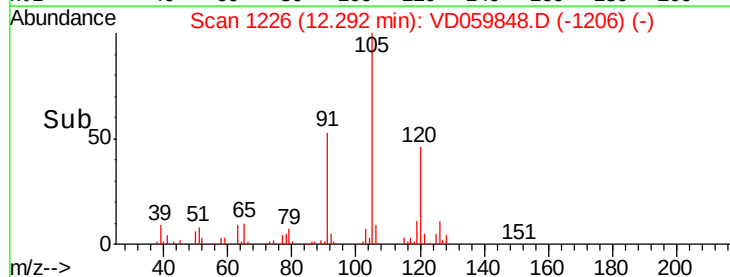
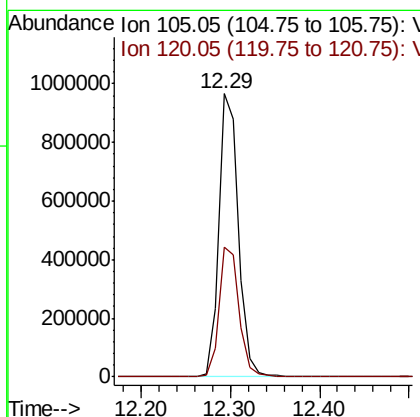
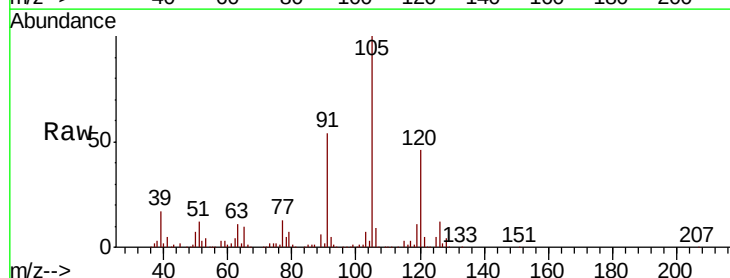
Manual Integrations
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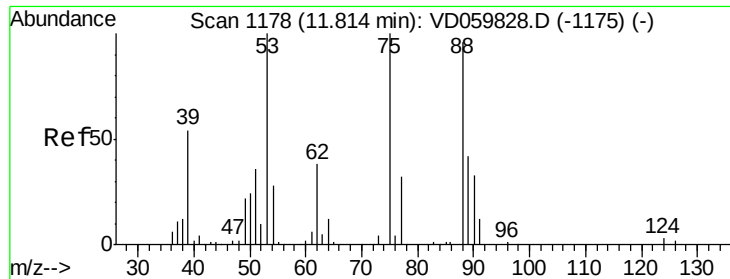
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.06 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion:105 Resp: 1485550
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.5 70.6





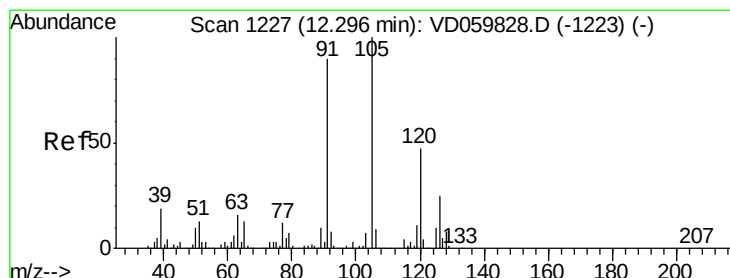
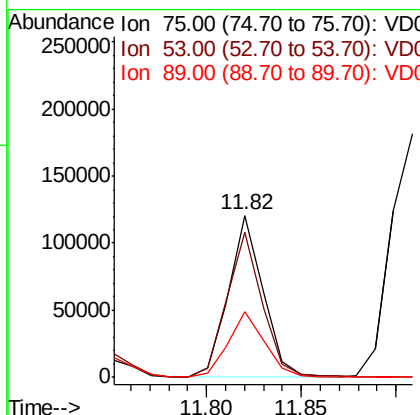
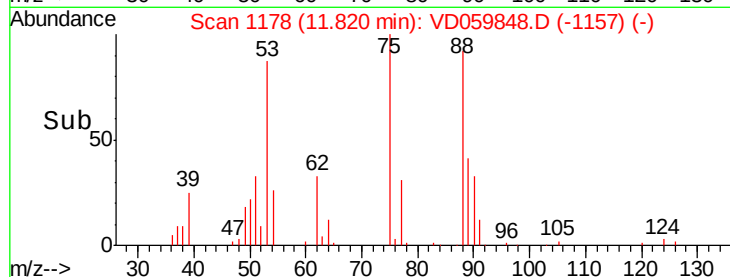
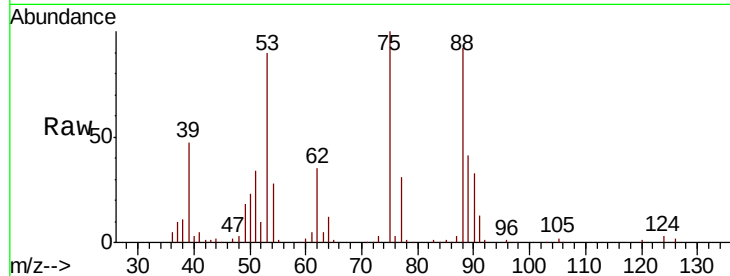
#81
trans-1,4-Dichloro-2-butene
Concen: 48.00 ug/l
RT: 11.82 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	80.7	121.1
89	40.8	33.9	50.9

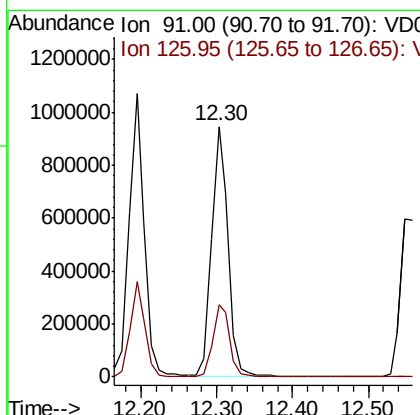
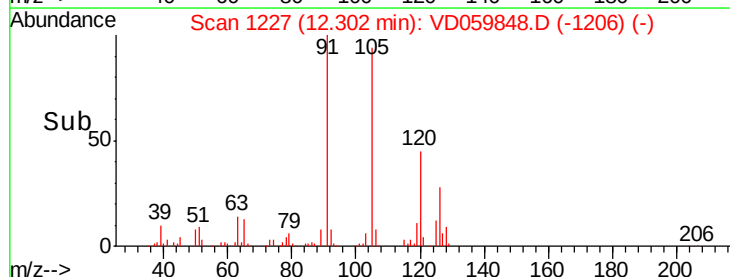
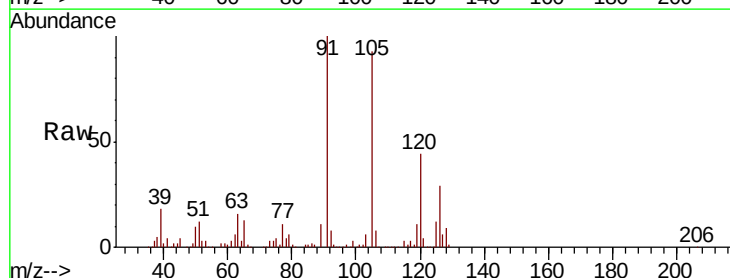
Manual Integrations
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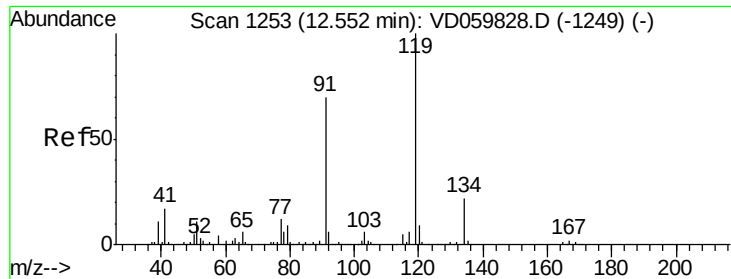
apatel
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#82
4-Chlorotoluene
Concen: 47.62 ug/l
RT: 12.30 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	13.7	41.0





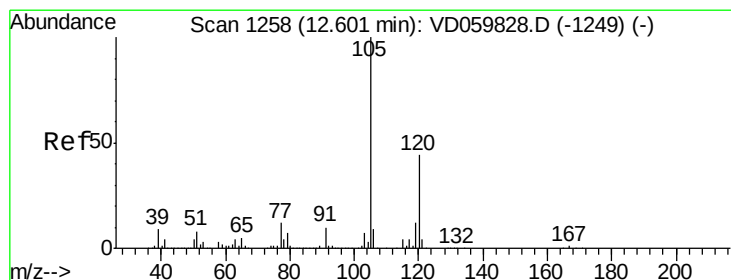
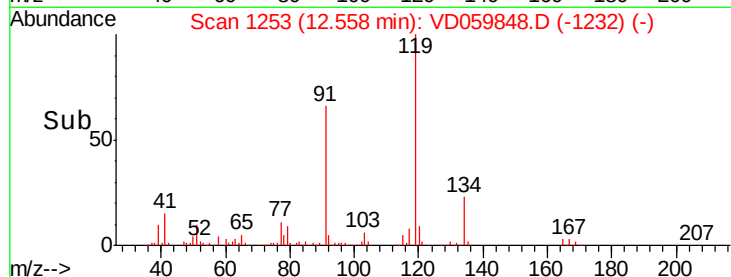
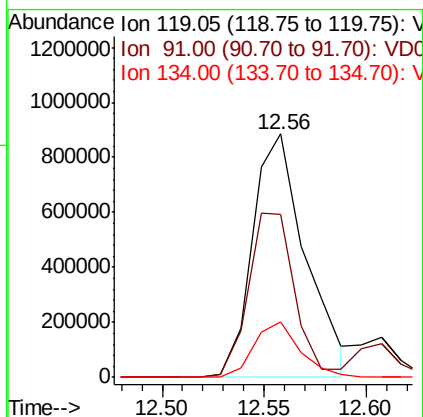
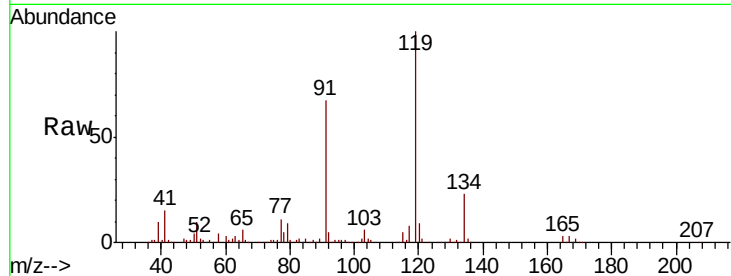
#83
 tert-Butylbenzene
 Concen: 48.36 ug/l m
 RT: 12.56 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1602099
 Ion Ratio Lower Upper
 119 100
 91 66.8 35.1 105.3
 134 22.8 11.0 33.0

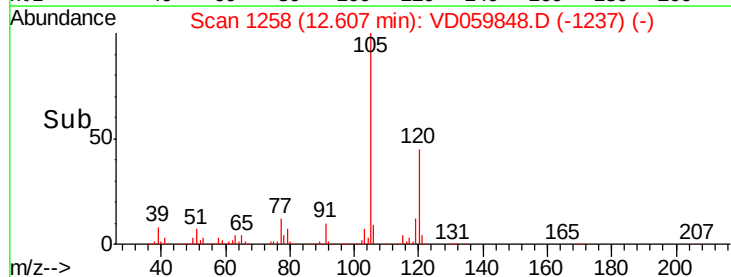
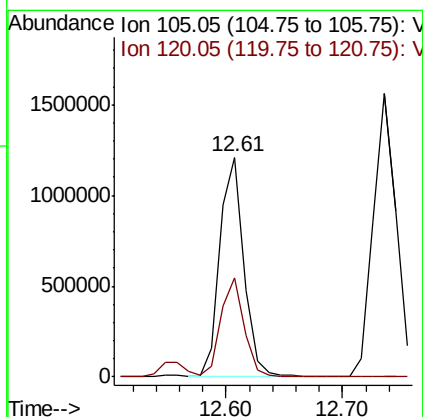
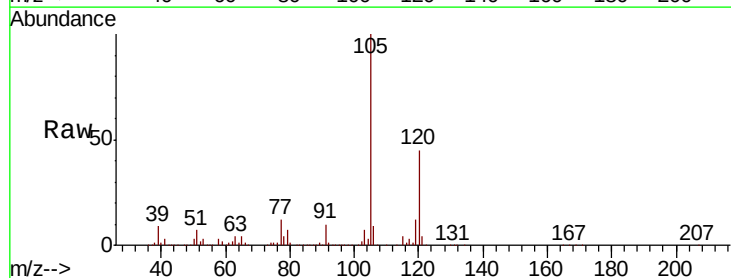
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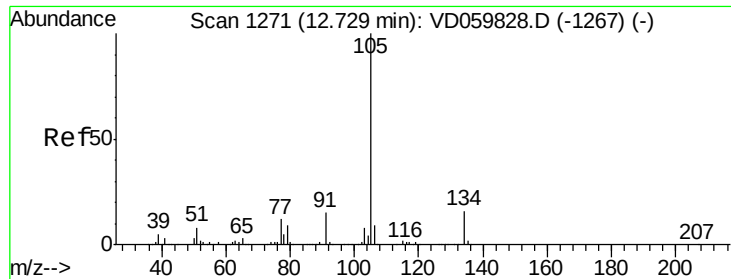
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.67 ug/l
 RT: 12.61 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion:105 Resp: 1716527
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.0 66.0





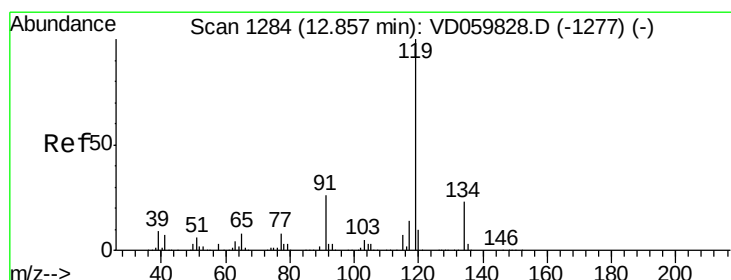
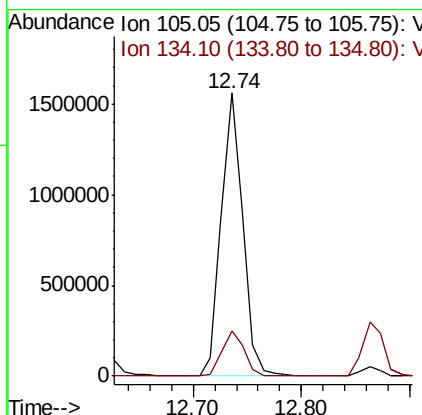
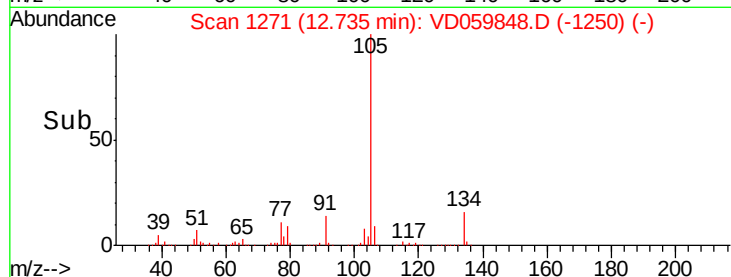
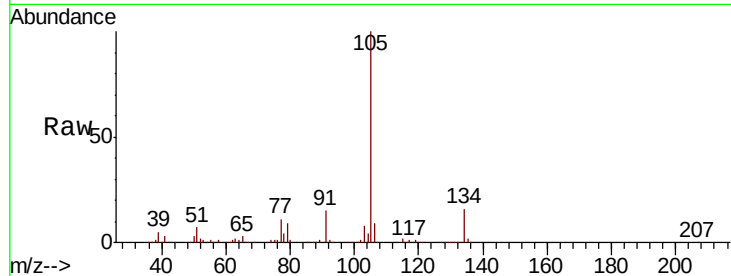
#85
 sec-Butylbenzene
 Concen: 48.84 ug/l
 RT: 12.74 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2145969
 Ion Ratio Lower Upper
 105 100
 134 16.1 7.8 23.5

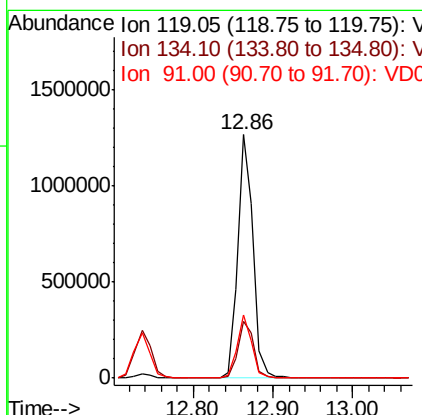
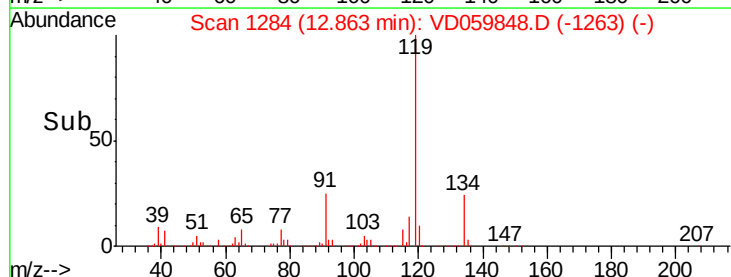
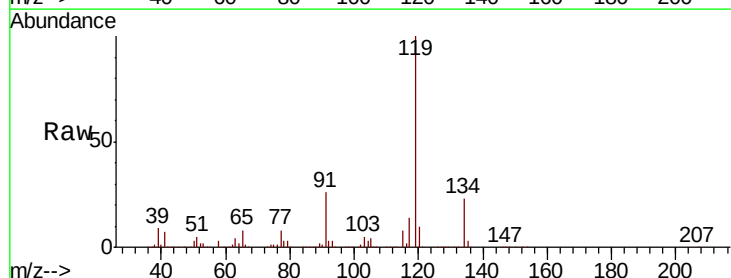
Manual Integrations
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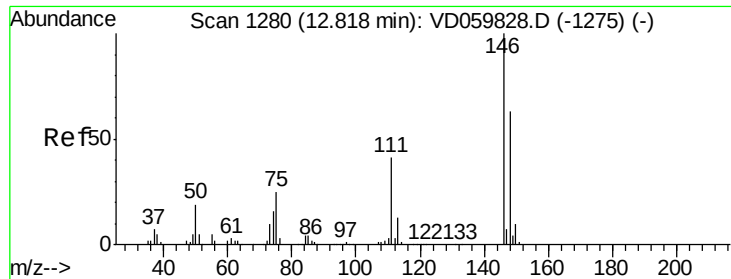
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#86
 p-Isopropyltoluene
 Concen: 48.98 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion:119 Resp: 1688265
 Ion Ratio Lower Upper
 119 100
 134 23.5 11.5 34.5
 91 25.7 13.2 39.6





#87

1,3-Dichlorobenzene

Concen: 52.10 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1023843

Ion Ratio Lower Upper

146 100

111 37.8 20.3 60.9

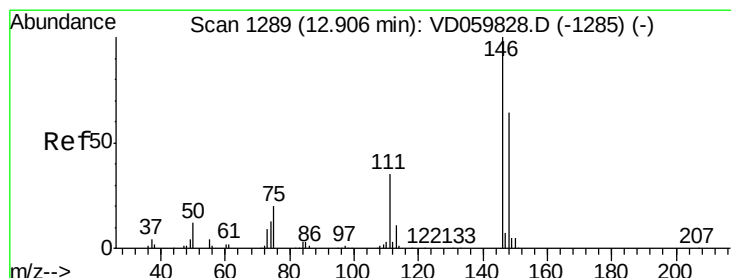
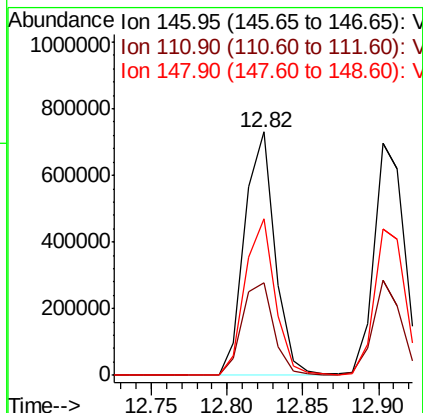
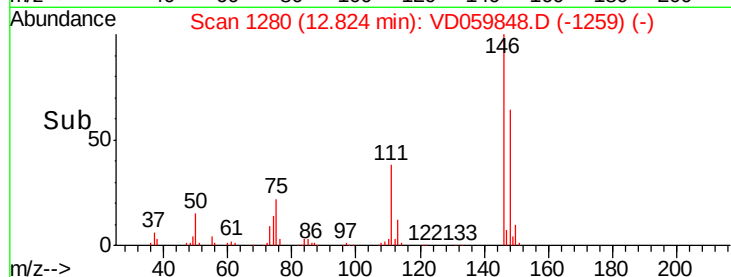
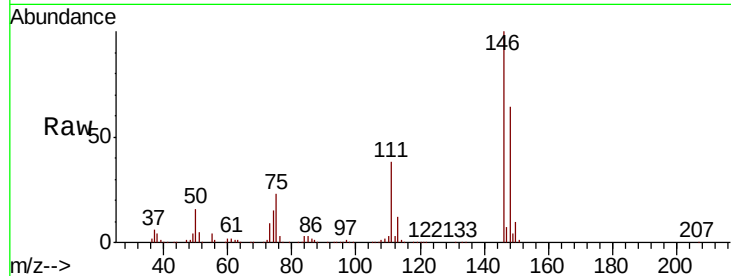
148 64.3 31.6 94.7

Manual Integrations

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#88

1,4-Dichlorobenzene

Concen: 50.70 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

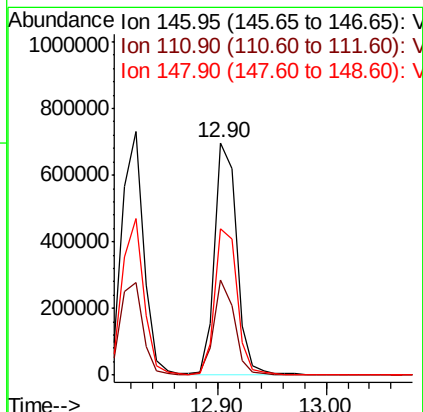
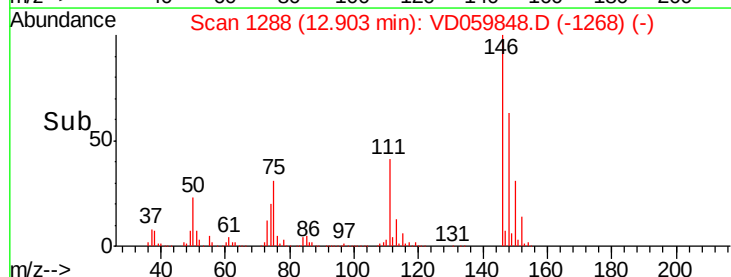
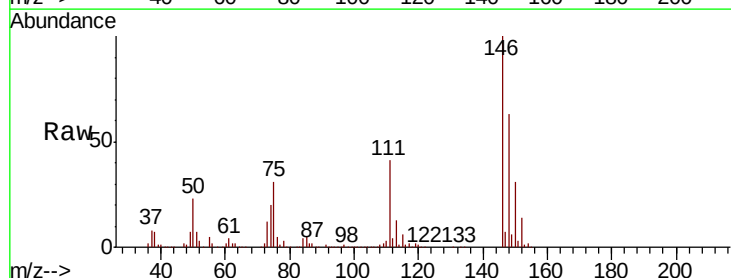
Tgt Ion:146 Resp: 987569

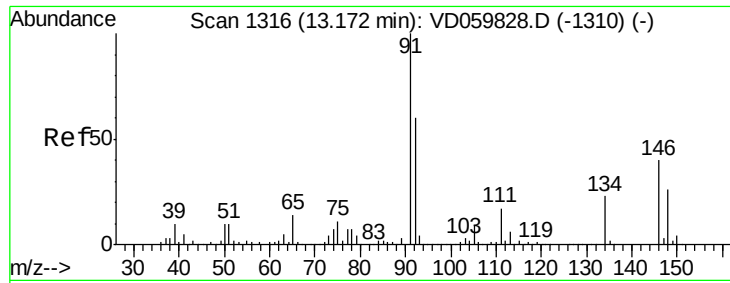
Ion Ratio Lower Upper

146 100

111 41.0 17.8 53.3

148 63.0 31.9 95.9





#89

n-Butylbenzene

Concen: 50.04 ug/l

RT: 13.18 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD059848.D

Acq: 21 Aug 2018 11:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1603436

Ion Ratio Lower Upper

91 100

92 58.7 29.8 89.5

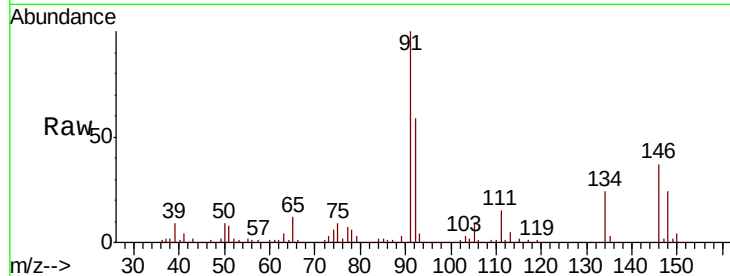
134 23.9 11.5 34.4

Manual Integrations

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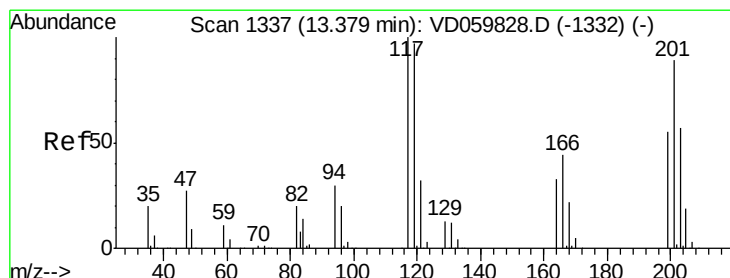
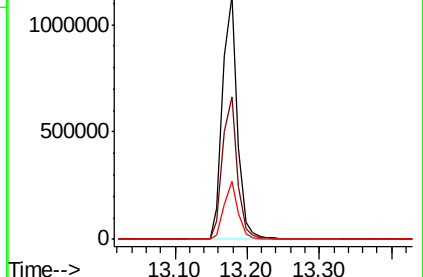
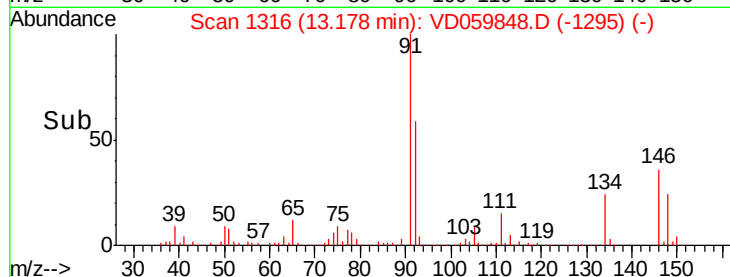
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 48.63 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VD059848.D

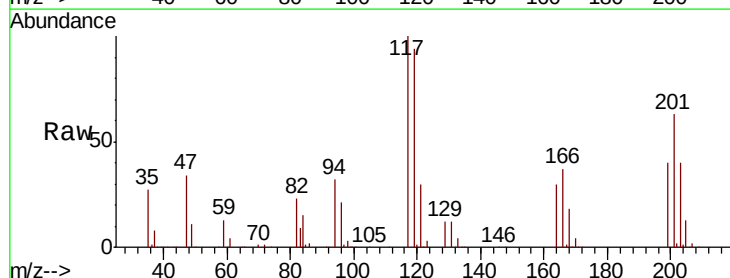
Acq: 21 Aug 2018 11:15

Tgt Ion: 117 Resp: 478268

Ion Ratio Lower Upper

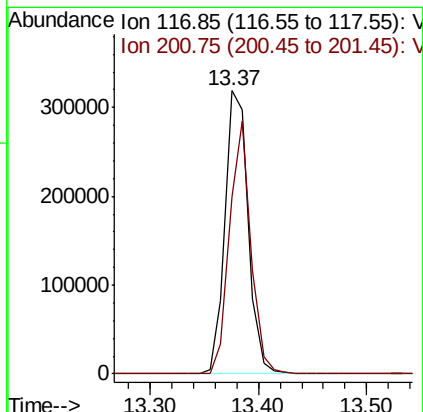
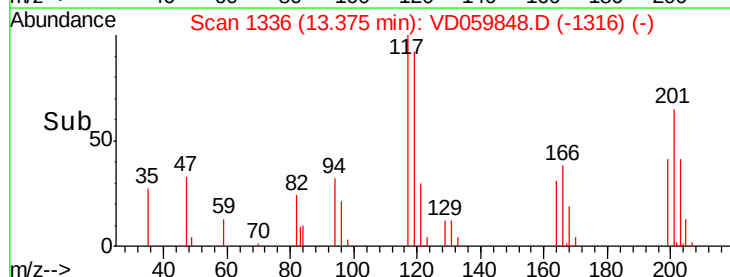
117 100

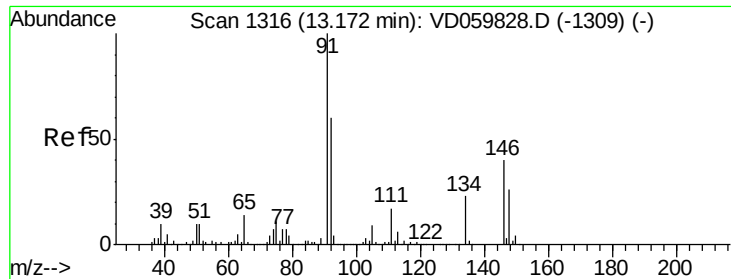
201 62.7 44.6 134.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





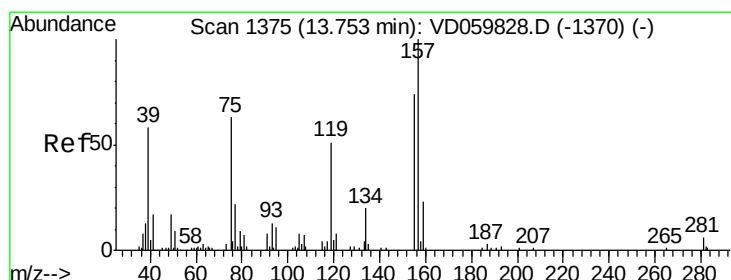
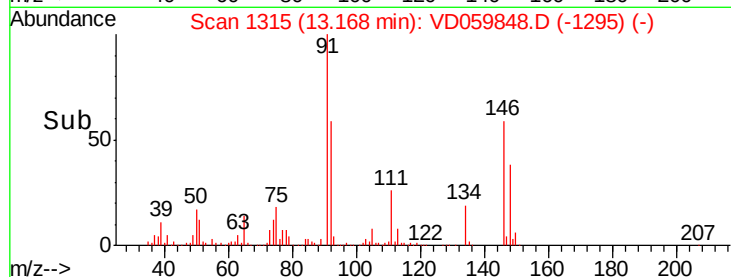
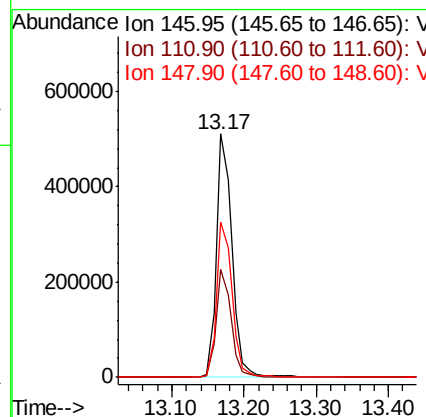
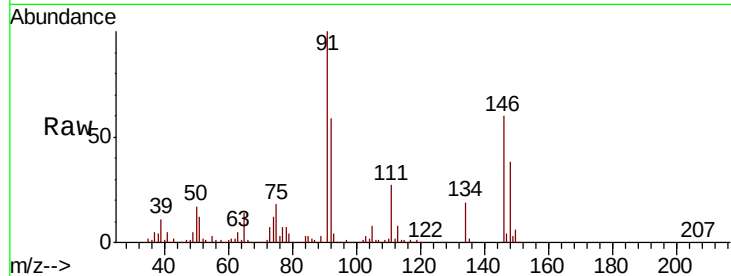
#91
 1,2-Dichlorobenzene
 Concen: 50.14 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.9	62.8
148	63.8	31.6	94.8

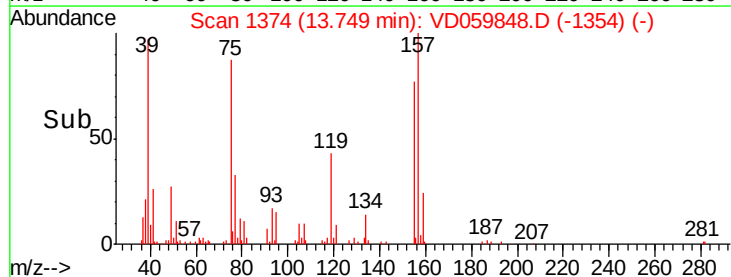
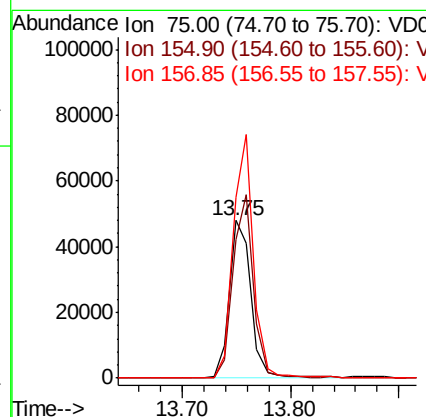
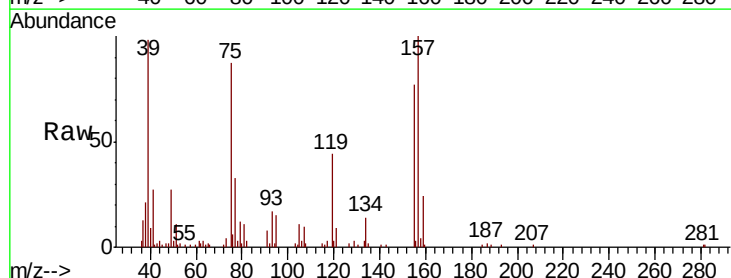
Manual Integrations
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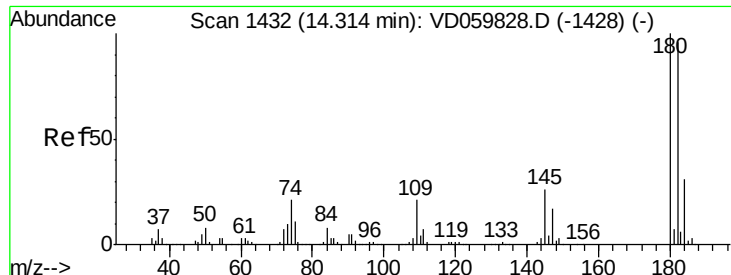
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.29 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	59.1	177.3
157	114.5	79.7	238.9





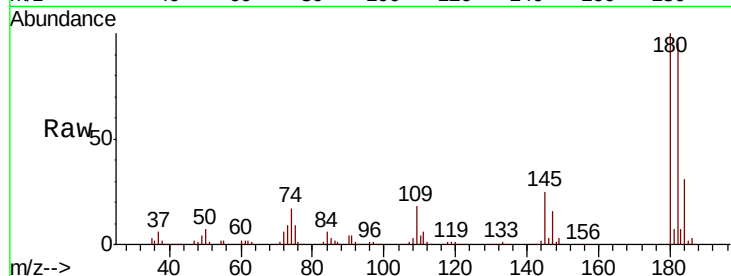
#93
 1,2,4-Trichlorobenzene
 Concen: 49.30 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

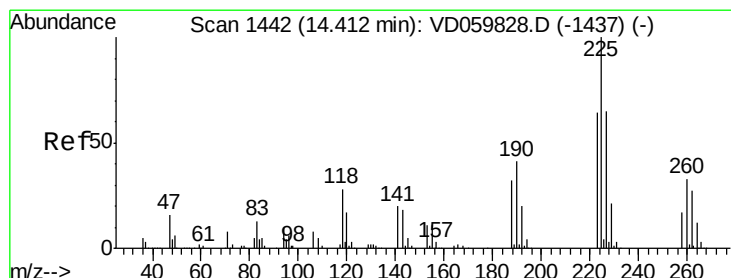
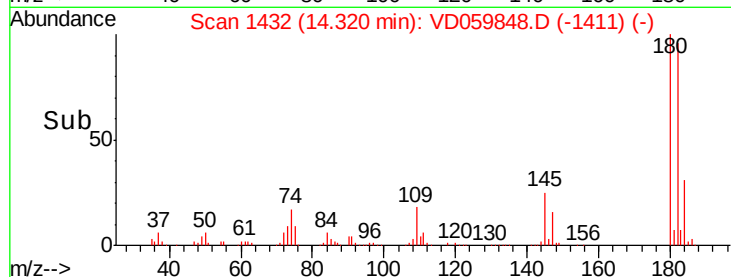
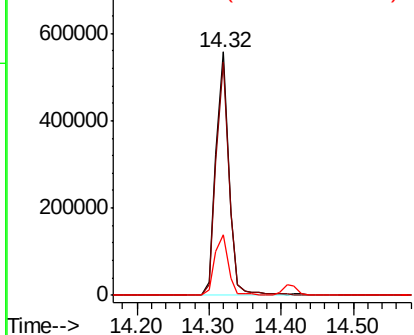
Tot Ion	Ratio	Resp	Lower	Upper
180	100	695661		
182	96.0	48.0	144.0	
145	24.7	13.1	39.1	

Manual Integrations
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apatel
 8/22/2018 12:42:33 PM

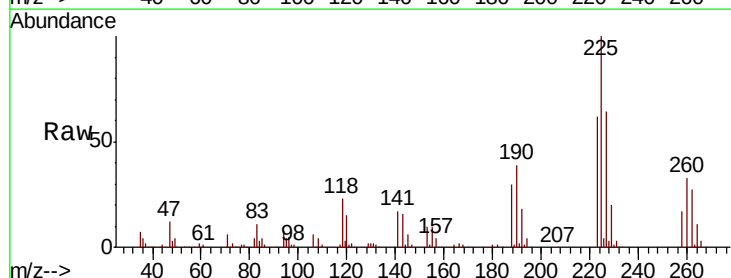


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

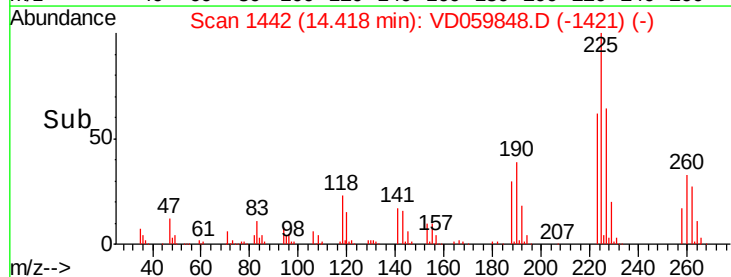
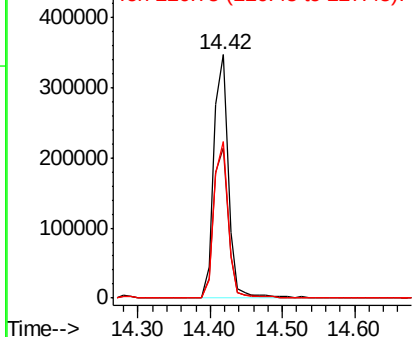


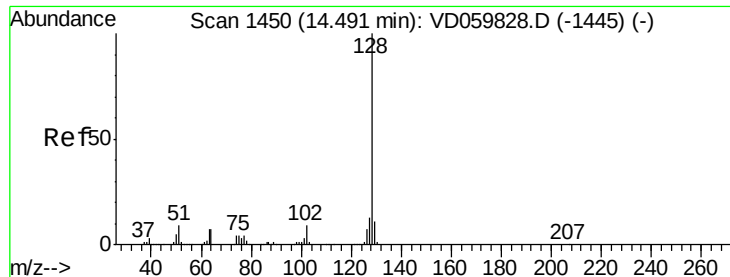
#94
 Hexachlorobutadiene
 Concen: 50.56 ug/l
 RT: 14.42 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VD059848.D
 Acq: 21 Aug 2018 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	479972		
223	61.7	31.8	95.4	
227	64.3	32.8	98.3	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





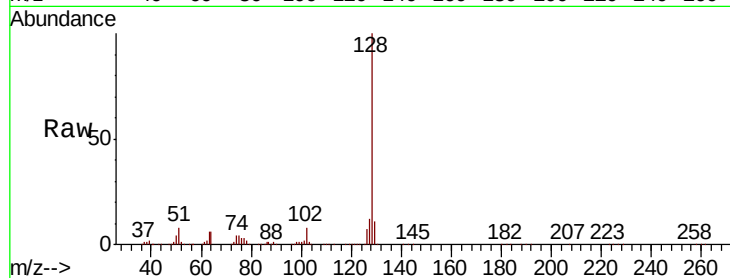
#95
Naphthalene
Concen: 47.80 ug/l
RT: 14.50 min Scan# 1450
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
128	100			
127	12.4	10.1	15.1	
129	10.6	8.7	13.1	

Manual Integrations
APPROVED

apatel
8/22/2018 12:42:33 PM

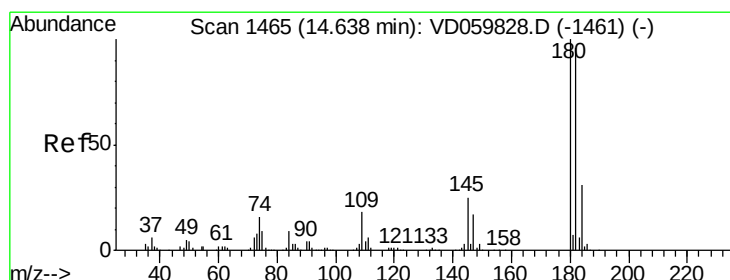
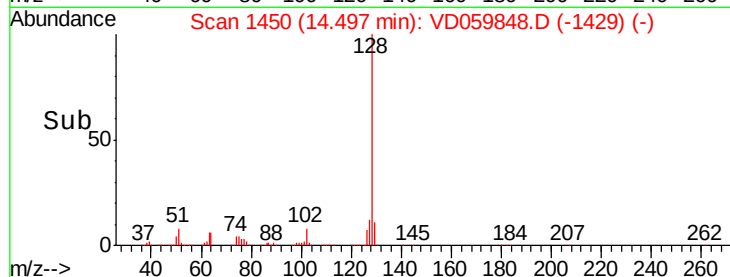
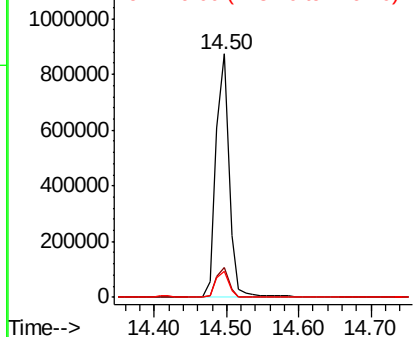


Abundance

Ion 128.00 (127.70 to 128.70): V

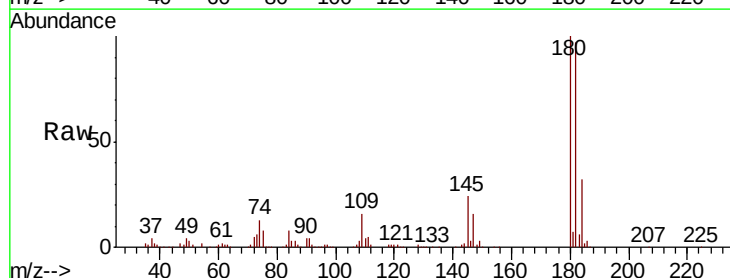
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.56 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.01 min
Lab File: VD059848.D
Acq: 21 Aug 2018 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
180	100			
182	96.6	47.8	143.4	
145	24.4	12.7	38.0	



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

