

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058153.D
 Acq On : 15 Jun 2018 15:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 6/18/2018 2:07:31 PM

Quant Time: Jun 15 23:27:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	902946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1153468	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	889623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	468749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	397452	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
35) Dibromofluoromethane	5.55	113	429606	48.14	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	8.71	98	984115	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
62) 4-Bromofluorobenzene	11.93	95	418434	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	520703	42.967	ug/l	99
3) Chloromethane	1.48	50	262715	44.017	ug/l	95
4) Vinyl Chloride	1.55	62	283509	49.073	ug/l	97
5) Bromomethane	1.80	94	101792	44.955	ug/l	96
6) Chloroethane	1.89	64	114955	50.433	ug/l	94
7) Trichlorofluoromethane	2.08	101	378109	47.878	ug/l	98
8) Diethyl Ether	2.35	74	82582	56.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.56	101	236434	50.192	ug/l	98
10) Methyl Iodide	2.69	142	278596	45.836	ug/l	98
11) Tert butyl alcohol	3.26	59	71371m	295.133	ug/l	
12) 1,1-Dichloroethene	2.55	96	175862	48.562	ug/l	87
13) Acrolein	2.47	56	73780	213.034	ug/l	99
14) Allyl chloride	2.92	41	412137	49.335	ug/l	97
15) Acrylonitrile	3.36	53	282167	199.450	ug/l	99
16) Acetone	2.61	43	377323	290.119	ug/l	99
17) Carbon Disulfide	2.75	76	640850	48.849	ug/l	99
18) Methyl Acetate	2.94	43	123047	48.907	ug/l	96
19) Methyl tert-butyl Ether	3.40	73	807398	50.669	ug/l	99
20) Methylene Chloride	3.07	84	199053	56.094	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	369348	45.790	ug/l	97
22) Diisopropyl ether	4.07	45	1506549	45.521	ug/l	96
23) Vinyl Acetate	4.02	43	4236982	247.779	ug/l	99
24) 1,1-Dichloroethane	3.97	63	850751	46.773	ug/l	98
25) 2-Butanone	4.84	43	732117	247.694	ug/l	95
26) 2,2-Dichloropropane	4.80	77	742090	49.527	ug/l	92
27) cis-1,2-Dichloroethene	4.80	96	469082	49.034	ug/l	99
28) Bromochloromethane	5.14	49	397250	50.461	ug/l	97
29) Tetrahydrofuran	5.18	42	370799	239.316	ug/l	97
30) Chloroform	5.32	83	887295	48.471	ug/l	97
31) Cyclohexane	5.60	56	685901	43.697	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	764754	49.895	ug/l	99
36) 1,1-Dichloropropene	5.75	75	637406	50.157	ug/l	98
37) Ethyl Acetate	4.93	43	365985	52.780	ug/l	96
38) Carbon Tetrachloride	5.73	117	635954	50.777	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	621798	49.358	ug/l	97
40) Benzene	6.02	78	1452977	48.943	ug/l	97
41) Methacrylonitrile	5.12	41	175559	55.371	ug/l #	96
42) 1,2-Dichloroethane	6.13	62	616188	51.336	ug/l	99
43) Isopropyl Acetate	7.62	43	455706	50.173	ug/l #	99
44) Trichloroethene	6.98	130	461331	53.201	ug/l	98
45) 1,2-Dichloropropane	7.35	63	401068	48.608	ug/l	100
46) Dibromomethane	7.46	93	277639	52.381	ug/l	90
47) Bromodichloromethane	7.74	83	650211	52.392	ug/l	98
48) Methyl methacrylate	7.51	41	278059	49.739	ug/l	99
49) 1,4-Dioxane	7.50	88	48239	1041.621	ug/l	92
51) 4-Methyl-2-Pentanone	8.60	43	1467316	251.868	ug/l	99
52) Toluene	8.81	92	826390	48.503	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	559186	52.298	ug/l	94
54) cis-1,3-Dichloropropene	8.36	75	628697	49.910	ug/l	98
55) 1,1,2-Trichloroethane	9.46	97	279481	50.685	ug/l	98
56) Ethyl methacrylate	9.32	69	345557	51.088	ug/l	99
57) 1,3-Dichloropropane	9.66	76	502443	51.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	859769	251.591	ug/l	98
59) 2-Hexanone	9.79	43	1125143	263.542	ug/l	97
60) Dibromochloromethane	9.96	129	422271	54.306	ug/l	99
61) 1,2-Dibromoethane	10.10	107	317641	50.091	ug/l	91
64) Tetrachloroethene	9.52	164	418734	52.650	ug/l	98
65) Chlorobenzene	10.73	112	909881	50.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	361111	52.188	ug/l	98
67) Ethyl Benzene	10.86	91	1561774	48.000	ug/l	99
68) m/p-Xylenes	11.01	106	1081025	101.916	ug/l	97
69) o-Xylene	11.41	106	543969	51.666	ug/l	98
70) Styrene	11.44	104	908302	52.113	ug/l	99
71) Bromoform	11.60	173	303315	58.271	ug/l	96
73) Isopropylbenzene	11.77	105	1558556	50.199	ug/l	100
74) N-amyl acetate	11.64	43	595028	49.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	349439	51.622	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	365410	51.895	ug/l	97
77) Bromobenzene	12.05	156	467822	50.904	ug/l	80
78) n-propylbenzene	12.15	91	1970281	48.768	ug/l	97
79) 2-Chlorotoluene	12.21	91	1176850	51.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1208076	49.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	96375	55.260	ug/l	95
82) 4-Chlorotoluene	12.33	91	1257860	56.533	ug/l	91
83) tert-Butylbenzene	12.58	119	1363350	49.866	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1262593	48.498	ug/l	98
85) sec-Butylbenzene	12.75	105	1575910	47.761	ug/l	100
86) p-Isopropyltoluene	12.88	119	1329449	49.991	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	780500	50.206	ug/l	100
88) 1,4-Dichlorobenzene	12.93	146	748516	49.417	ug/l	100
89) n-Butylbenzene	13.20	91	1302292	54.782	ug/l	99
90) Hexachloroethane	13.40	117	356650	52.544	ug/l	96
91) 1,2-Dichlorobenzene	13.20	146	616371	49.061	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	57251	54.800	ug/l #	38

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	652837	55.620	ug/l	98
94) Hexachlorobutadiene	14.44	225	505936	54.801	ug/l	97
95) Naphthalene	14.52	128	786923	51.999	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	545975	54.582	ug/l	97

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

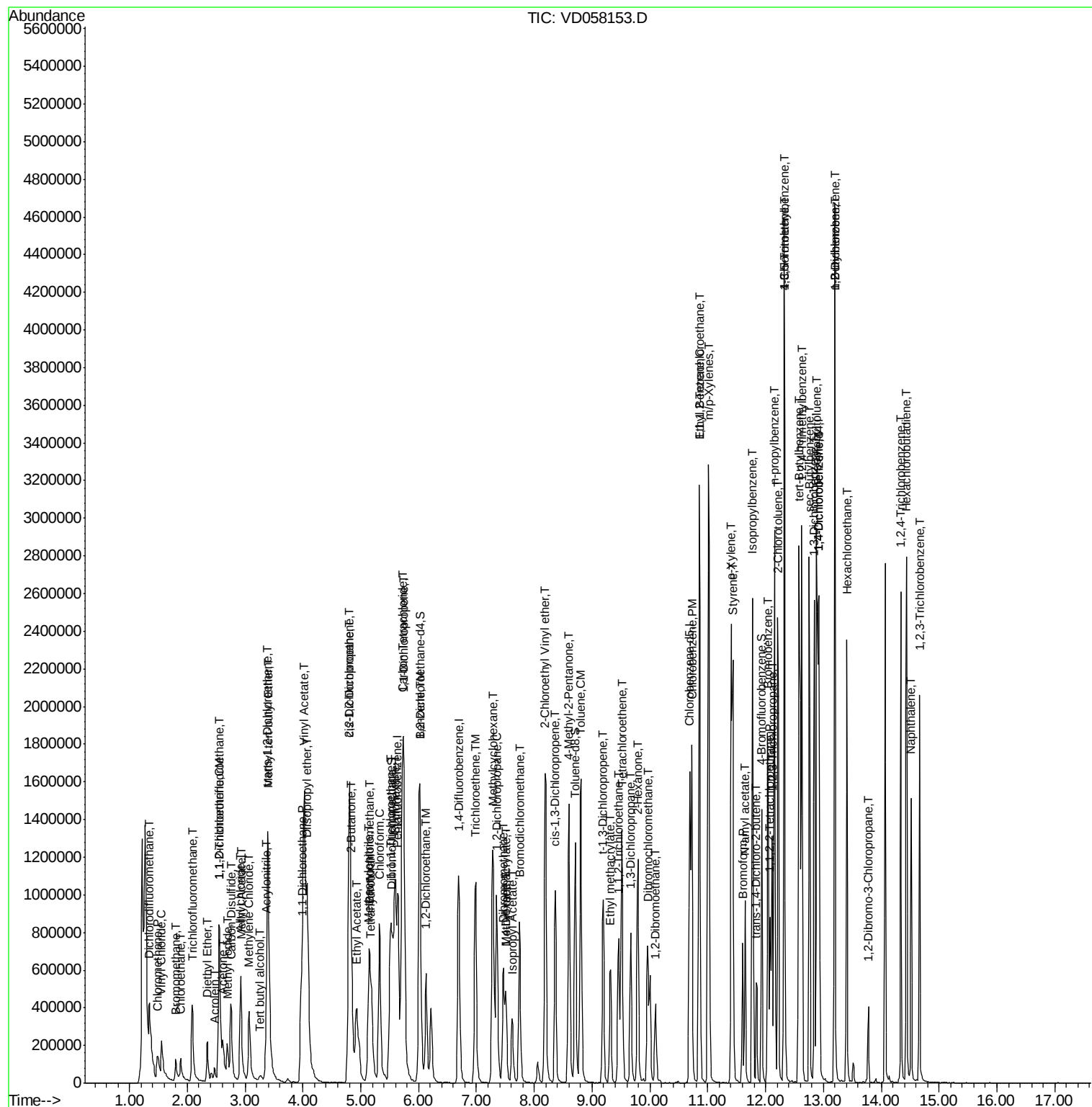
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Data File : VD058153.D
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Operator : VA/AP
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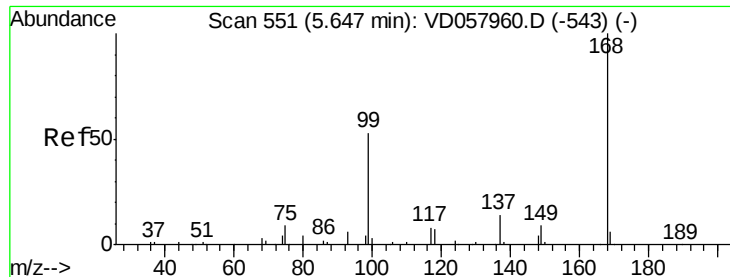
Instrument :
MSVOA_D
Client Sampled :
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 168 Resp: 902946

Ion Ratio Lower Upper

168 100

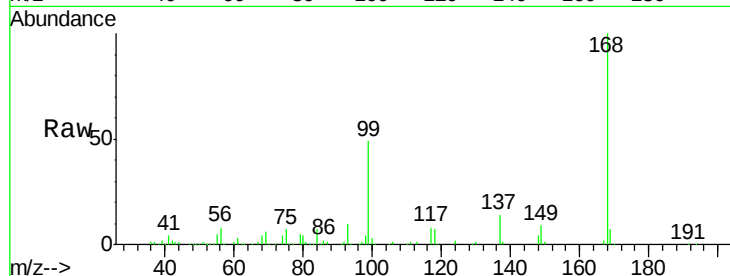
99 49.3 46.8 70.2

Manual Integrations

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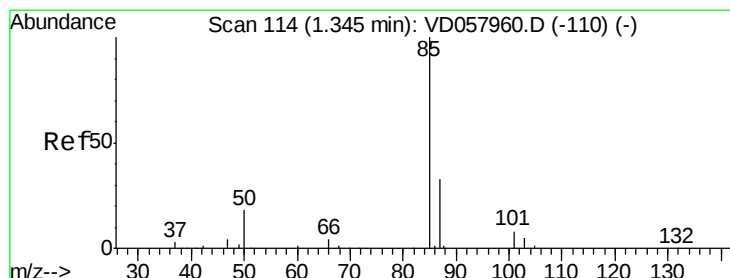
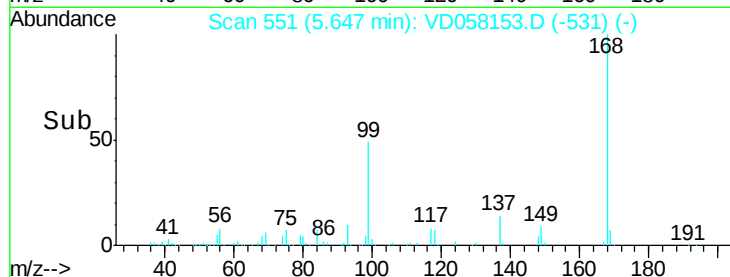
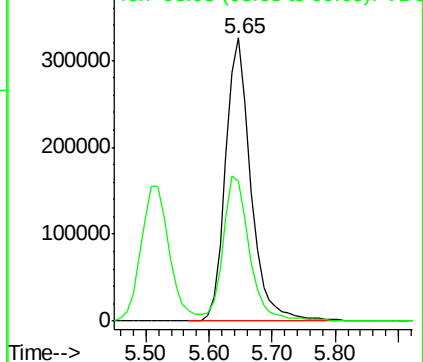
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 42.967 ug/l

RT: 1.34 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD058153.D

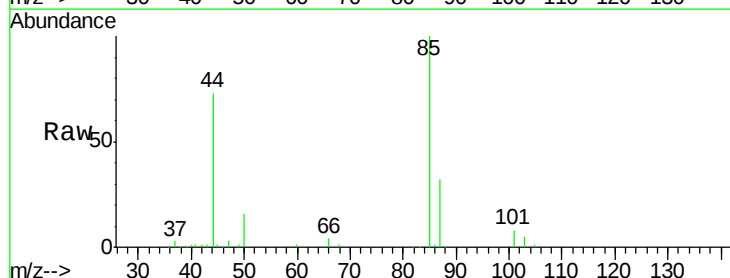
Acq: 15 Jun 2018 15:17

Tgt Ion: 85 Resp: 520703

Ion Ratio Lower Upper

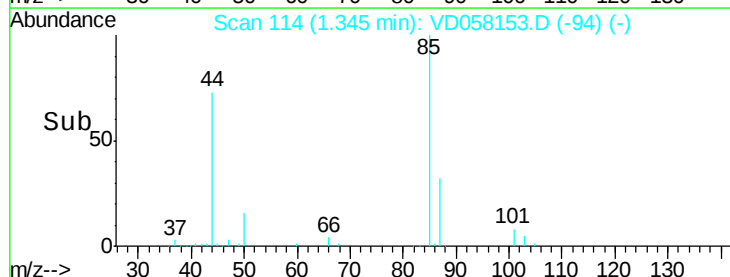
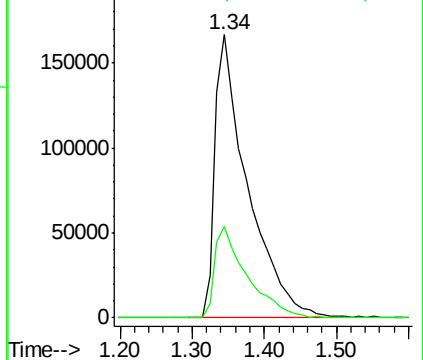
85 100

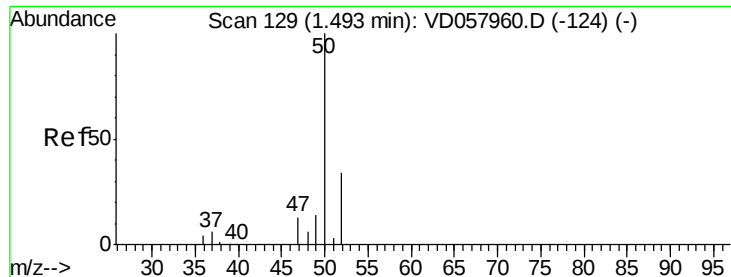
87 32.5 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.017 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 262715

Ion Ratio Lower Upper

50 100

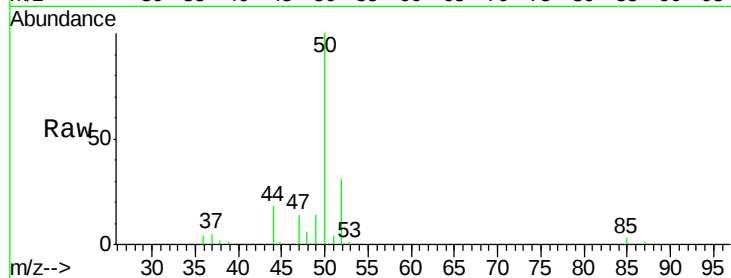
52 31.3 27.2 40.8

Manual Integrations

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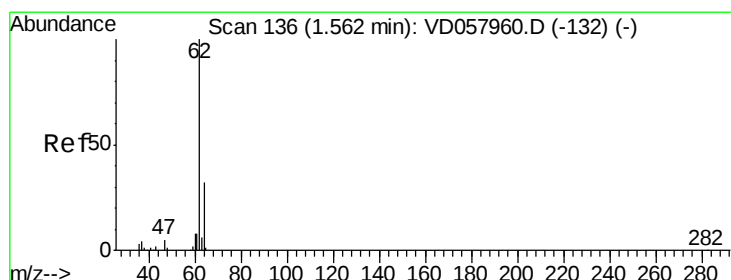
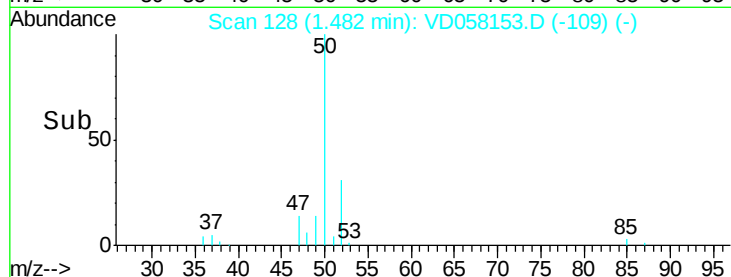
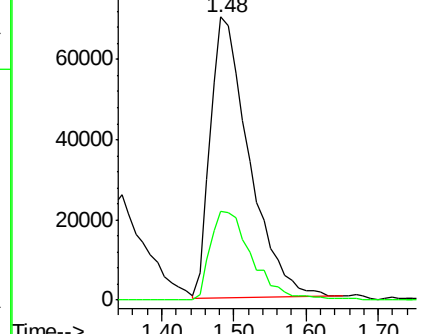
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.073 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058153.D

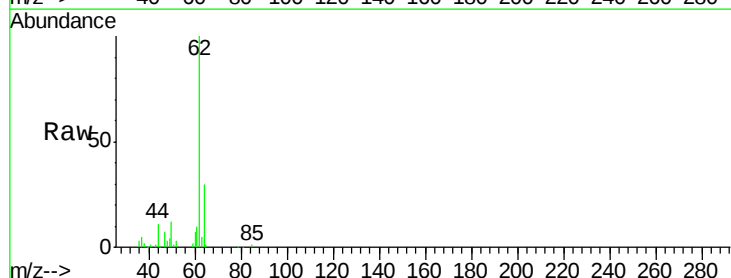
Acq: 15 Jun 2018 15:17

Tgt Ion: 62 Resp: 283509

Ion Ratio Lower Upper

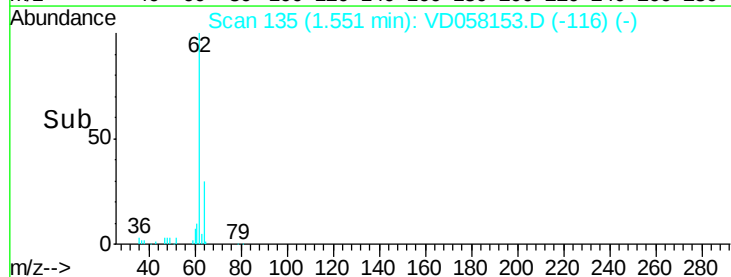
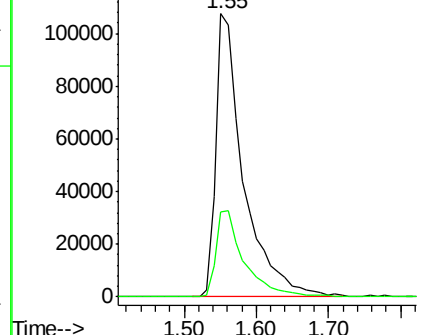
62 100

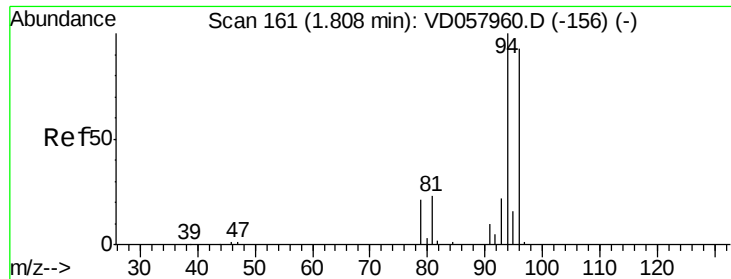
64 30.1 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.955 ug/l

RT: 1.80 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 101792

Ion Ratio Lower Upper

94 100

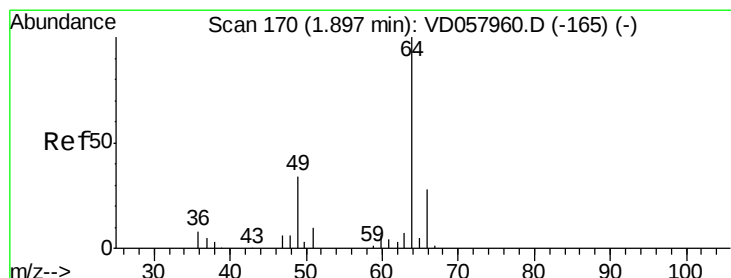
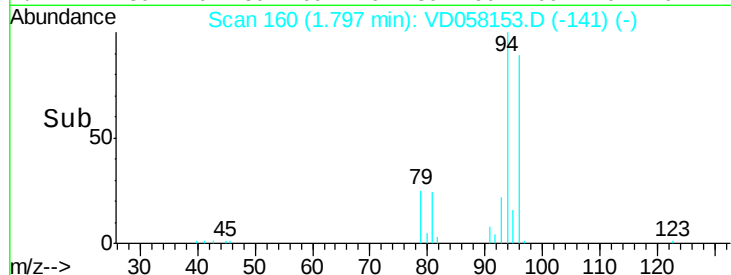
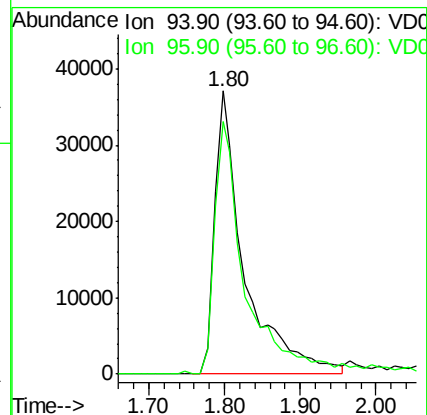
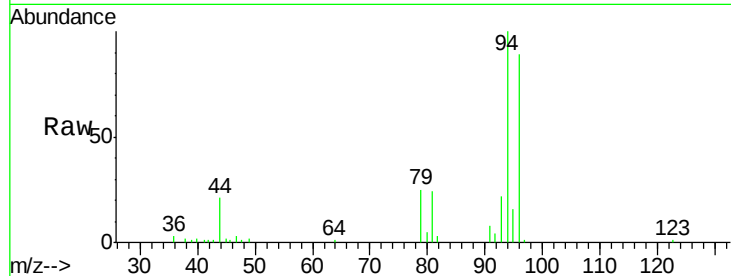
96 89.1 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 50.433 ug/l

RT: 1.89 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD058153.D

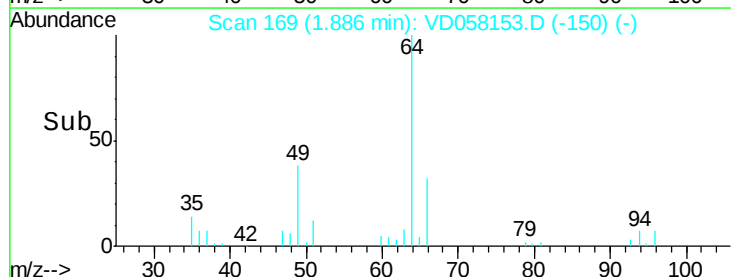
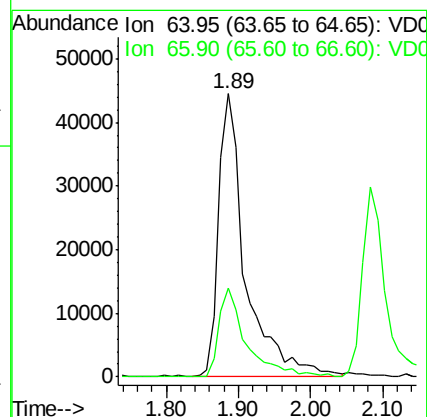
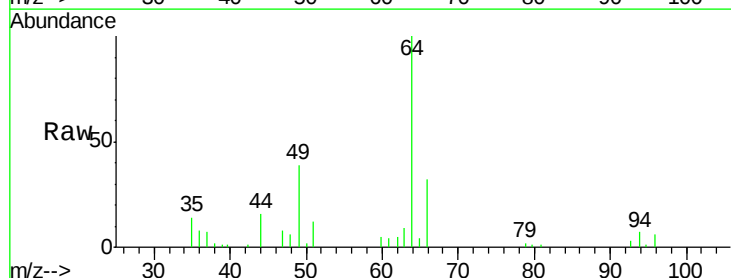
Acq: 15 Jun 2018 15:17

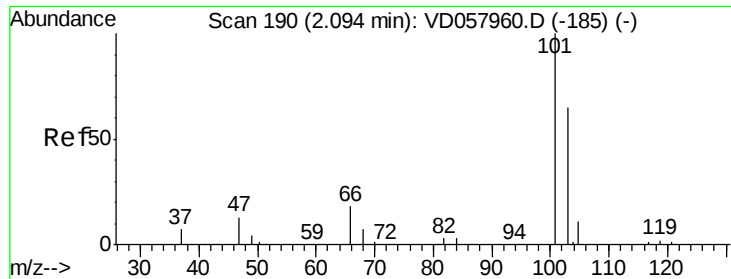
Tgt Ion: 64 Resp: 114955

Ion Ratio Lower Upper

64 100

66 31.6 22.8 34.2





#7

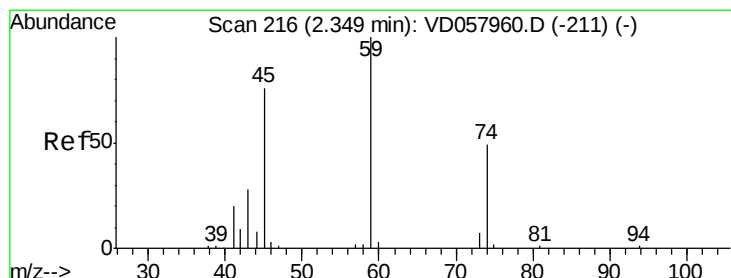
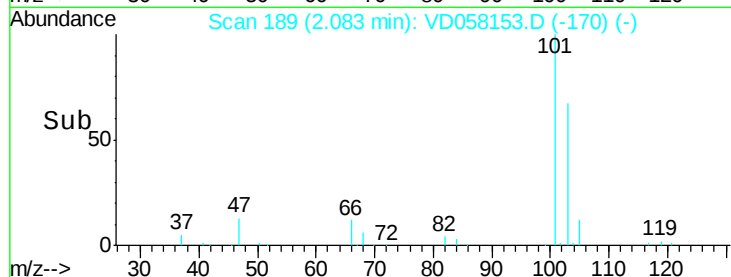
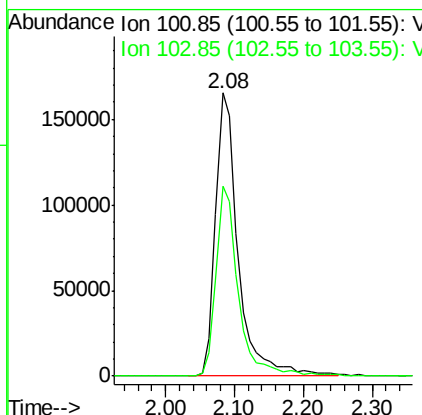
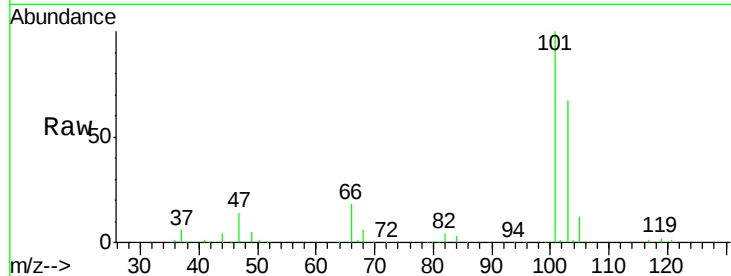
Trichlorofluoromethane
 Concen: 47.878 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 378109
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.4 78.6

Manual Integrations
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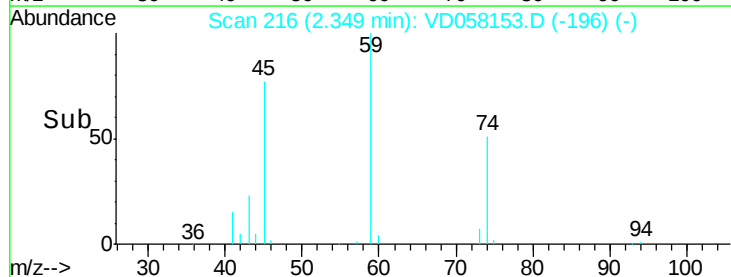
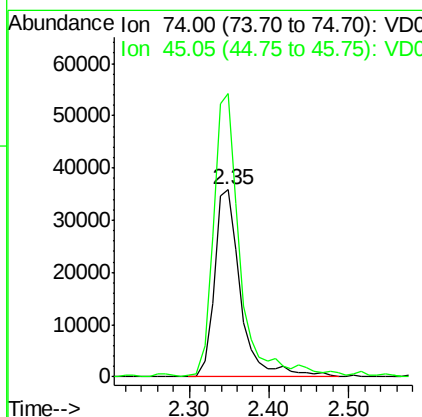
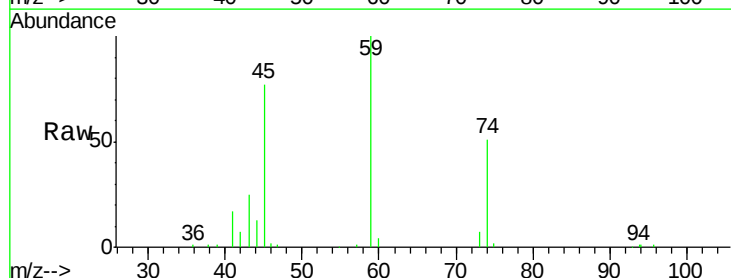
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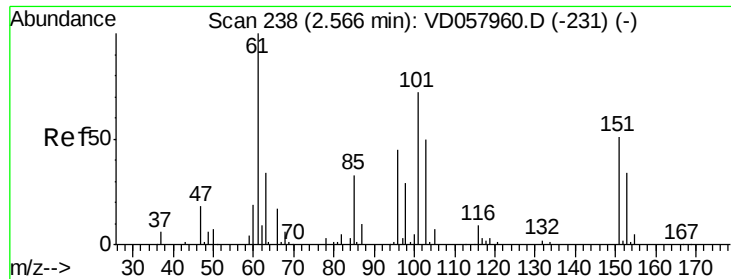


#8

Diethyl Ether
 Concen: 56.290 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 74 Resp: 82582
 Ion Ratio Lower Upper
 74 100
 45 151.4 77.1 231.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.192 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

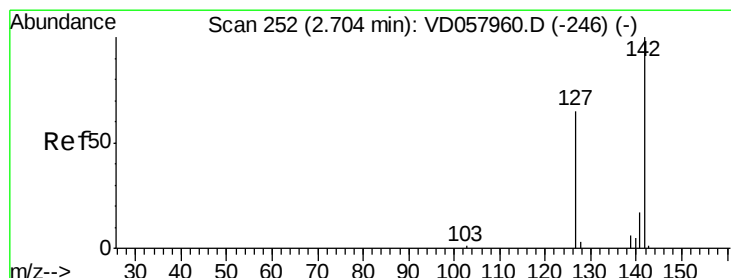
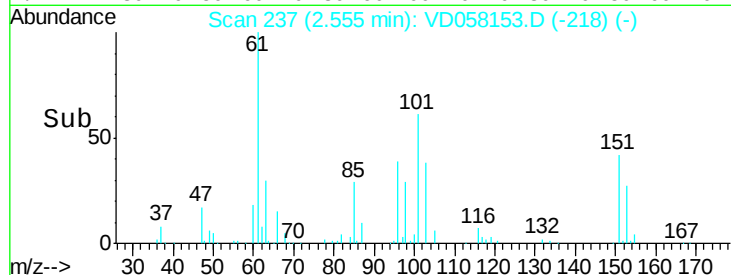
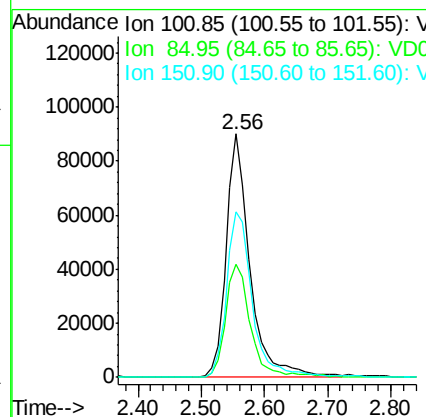
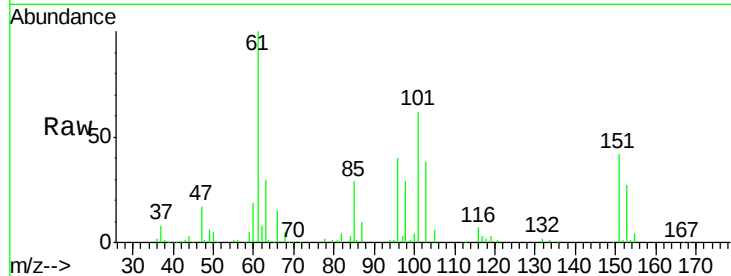
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	236434
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.3	55.9
151	68.1	57.0	85.6

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#10

Methyl Iodide

Concen: 45.836 ug/l

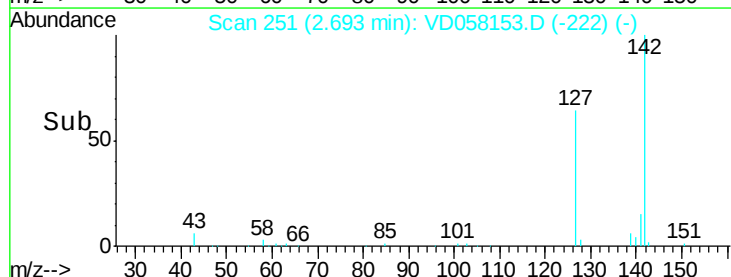
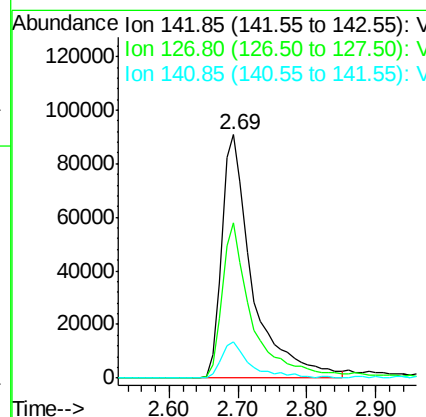
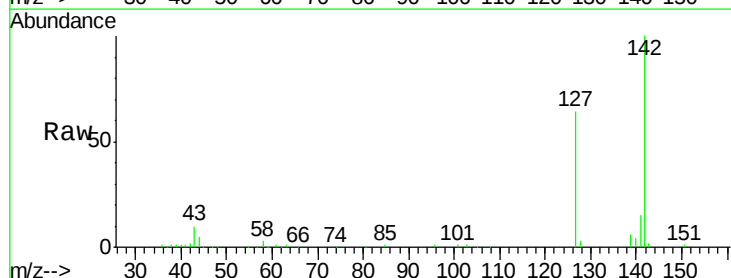
RT: 2.69 min Scan# 251

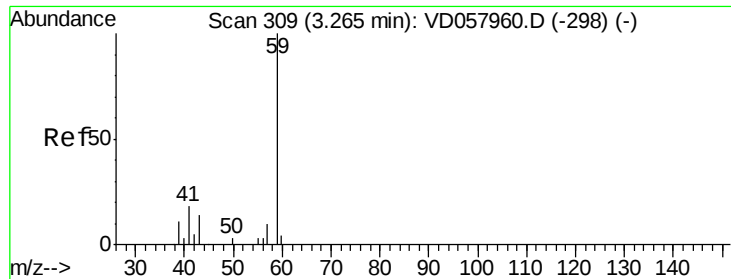
Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion:	142	Resp:	278596
Ion Ratio	Lower	Upper	
142	100		
127	64.0	52.0	78.0
141	15.0	13.2	19.8





#11

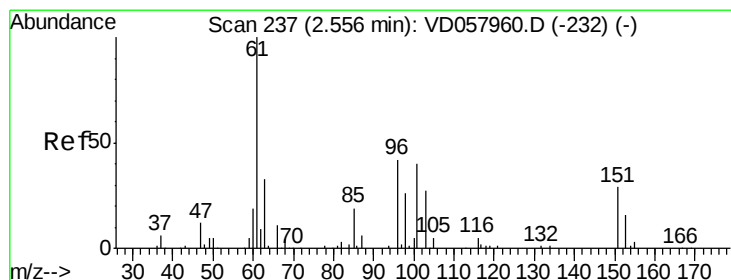
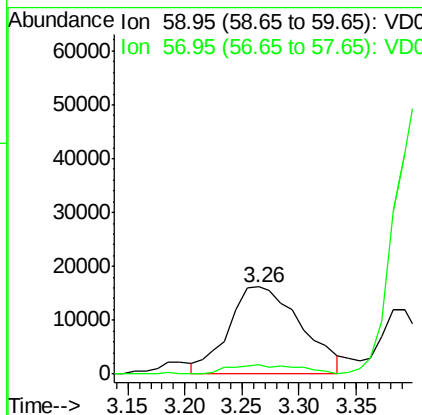
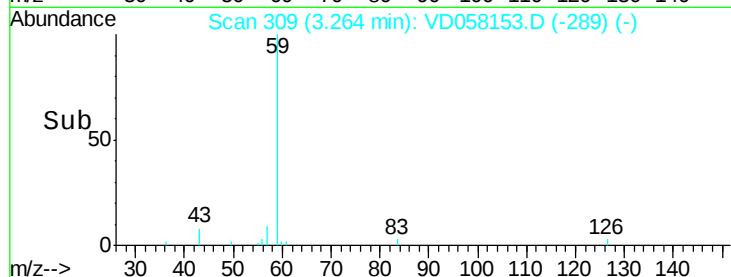
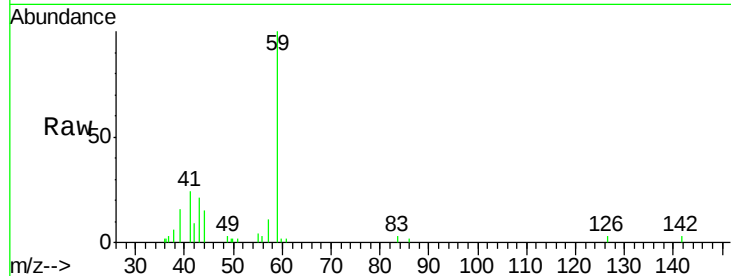
Tert butyl alcohol
Concen: 295.133 ug/l m
RT: 3.26 min Scan# 309
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 71371
Ion Ratio Lower Upper
59 100
57 10.6 7.8 11.6

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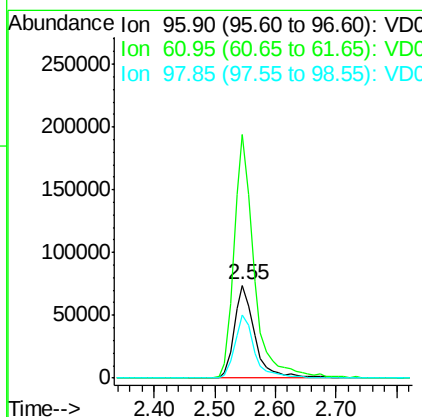
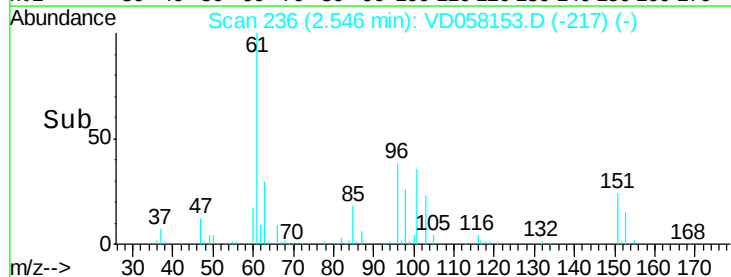
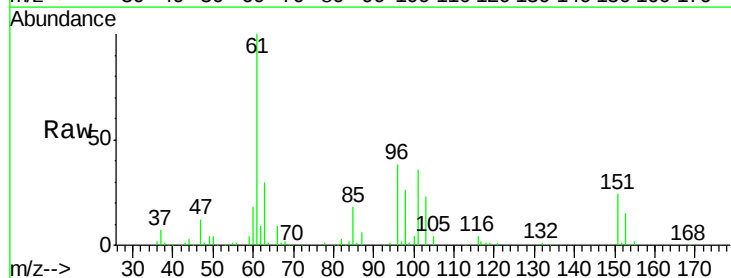
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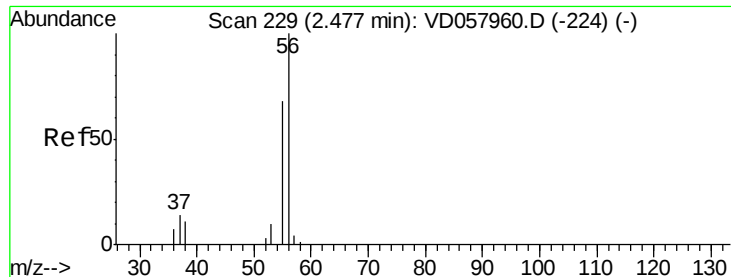


#12

1,1-Dichloroethene
Concen: 48.562 ug/l
RT: 2.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 96 Resp: 175862
Ion Ratio Lower Upper
96 100
61 263.1 190.2 285.4
98 67.8 49.6 74.4





#13

Acrolein

Concen: 213.034 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73780

Ion Ratio Lower Upper

56 100

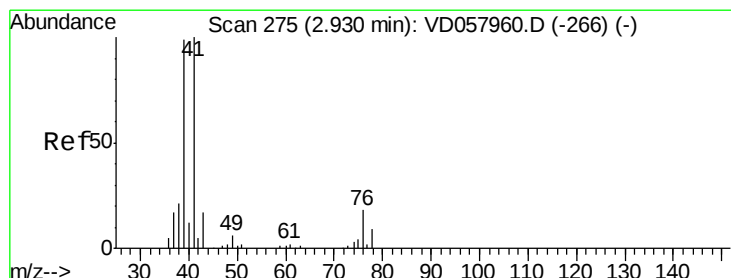
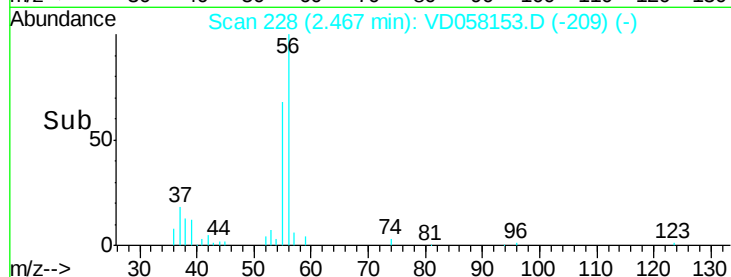
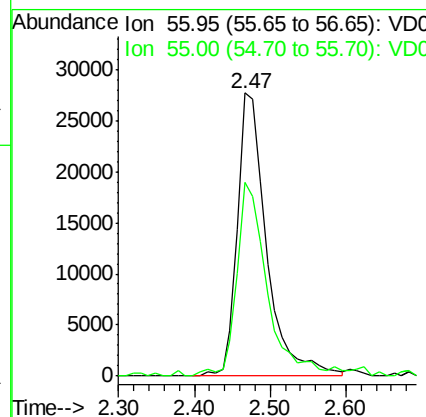
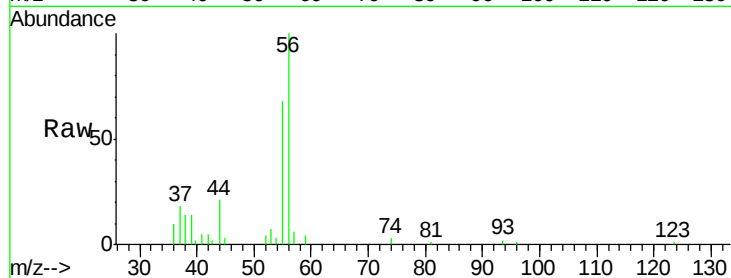
55 68.4 54.0 81.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.335 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

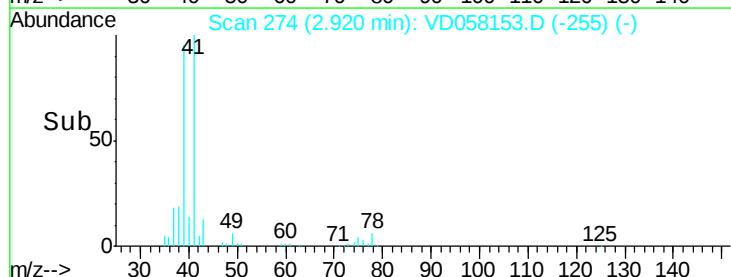
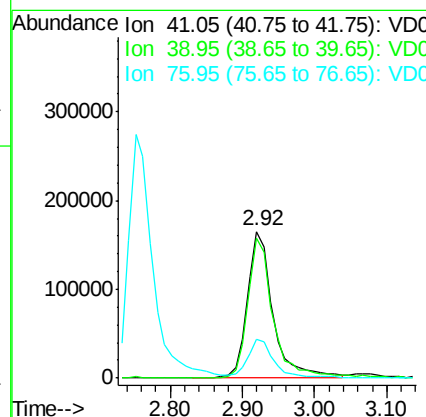
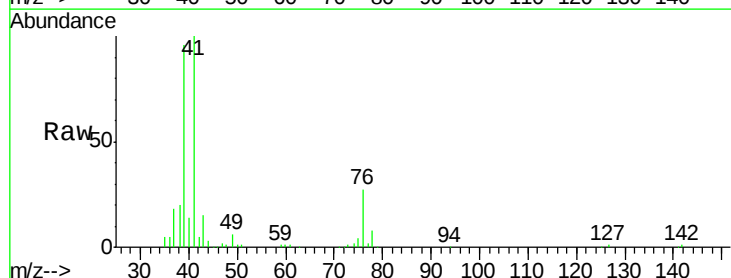
Tgt Ion: 41 Resp: 412137

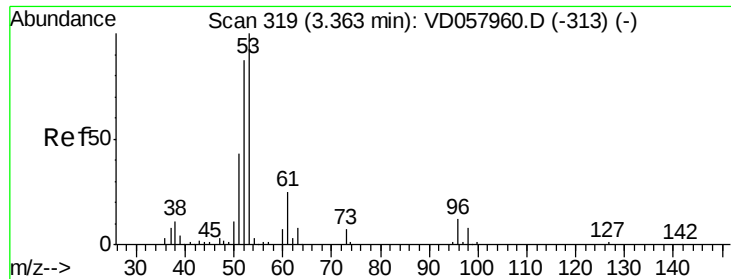
Ion Ratio Lower Upper

41 100

39 95.7 79.5 119.3

76 26.9 20.7 31.1





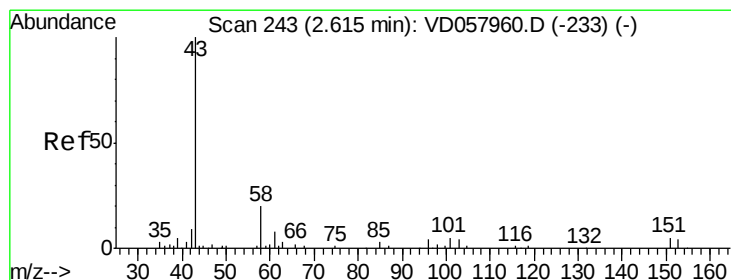
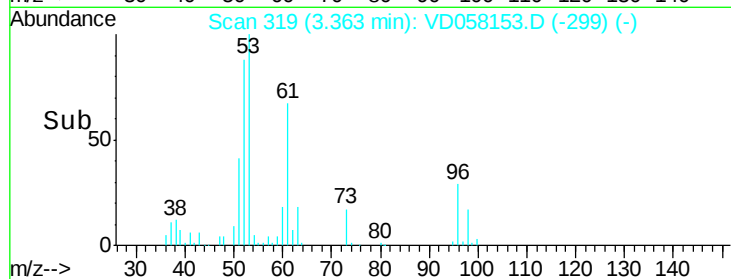
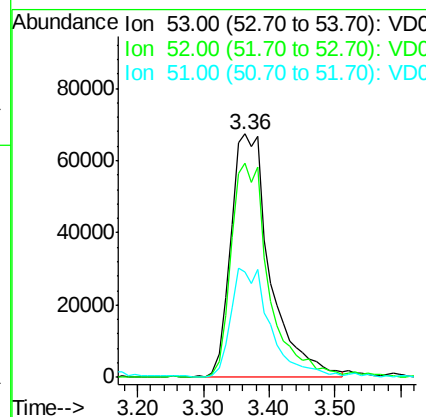
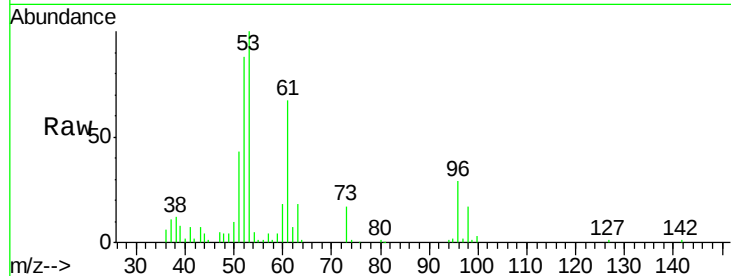
#15
 Acrylonitrile
 Concen: 199.450 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.9	69.9	104.9
51	43.3	34.3	51.5

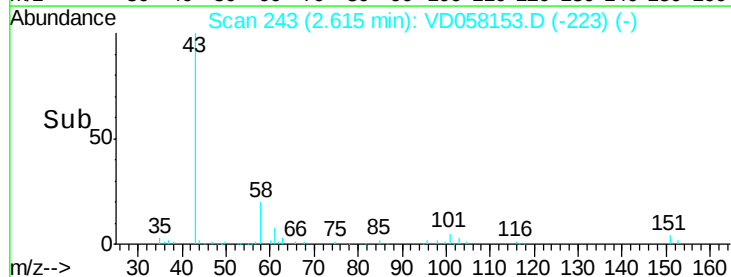
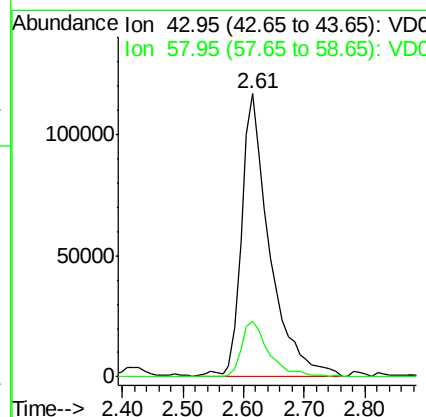
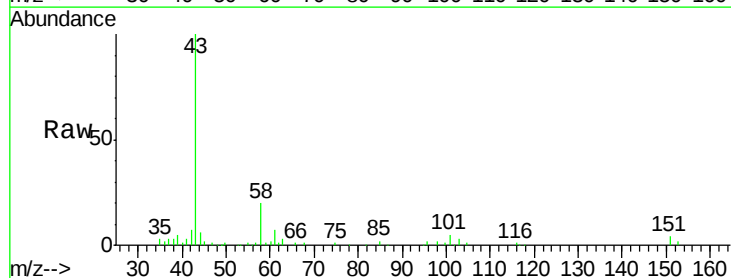
Manual Integrations
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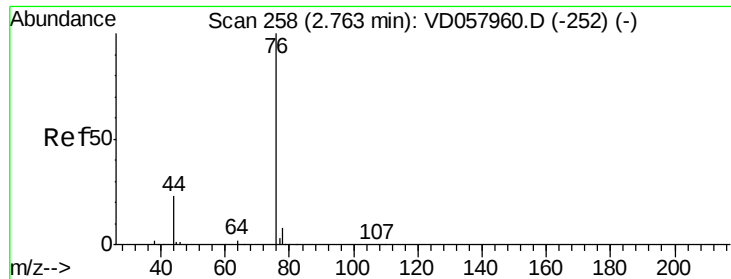
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#16
 Acetone
 Concen: 290.119 ug/l
 RT: 2.61 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.5	15.8	23.8





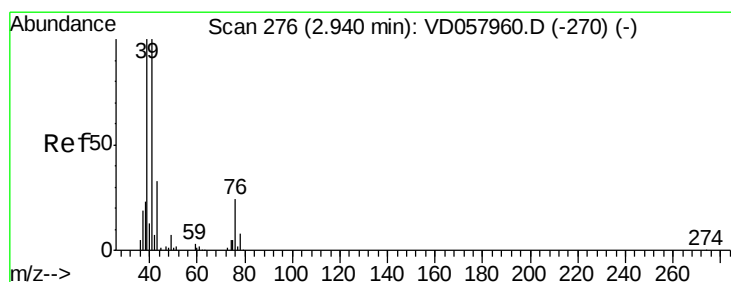
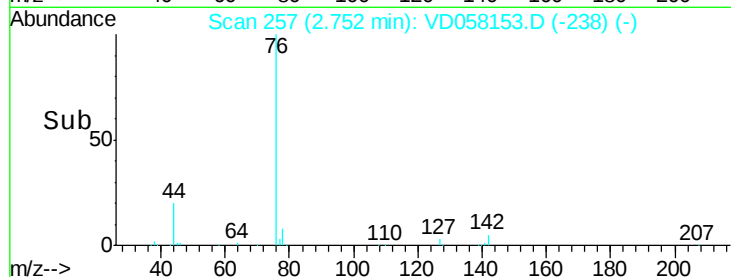
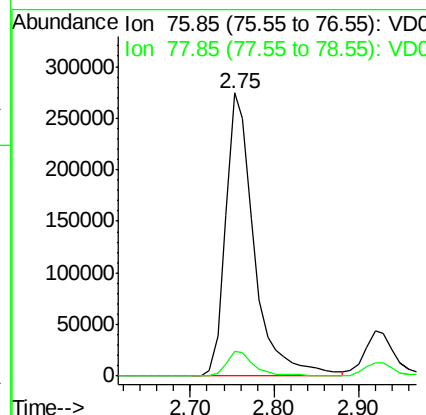
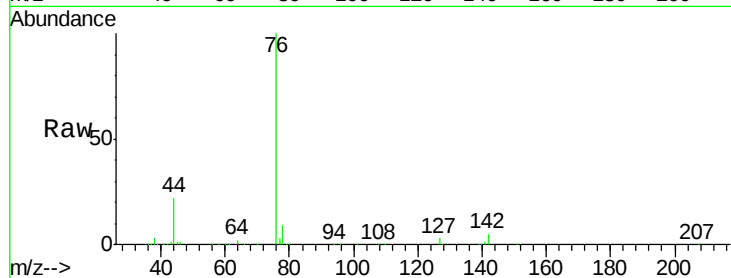
#17
Carbon Disulfide
Concen: 48.849 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.7	10.1

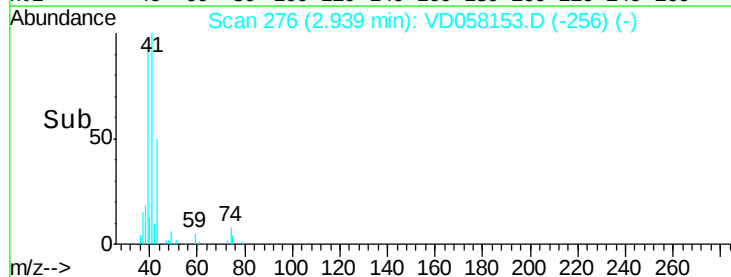
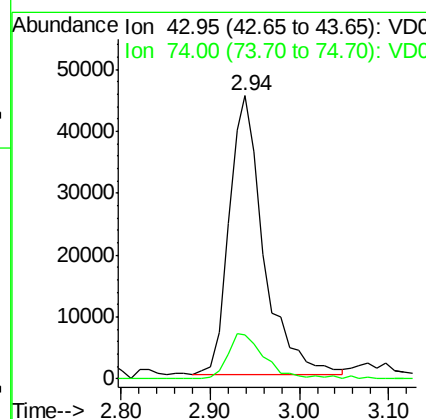
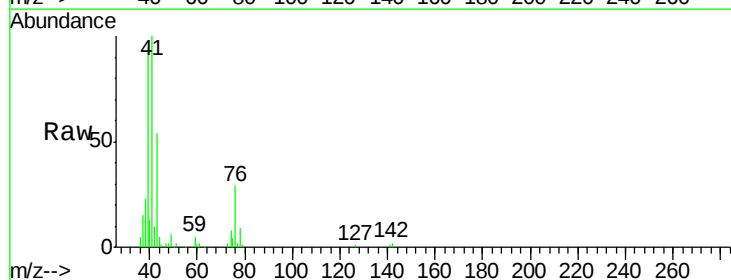
Manual Integrations
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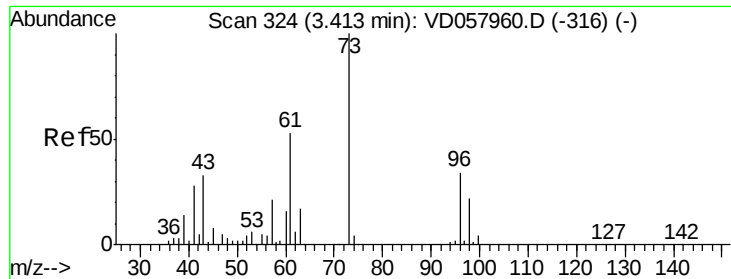
apatel
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#18
Methyl Acetate
Concen: 48.907 ug/l
RT: 2.94 min Scan# 276
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	11.2	16.8





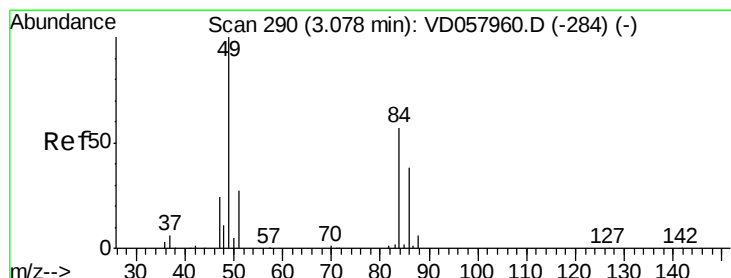
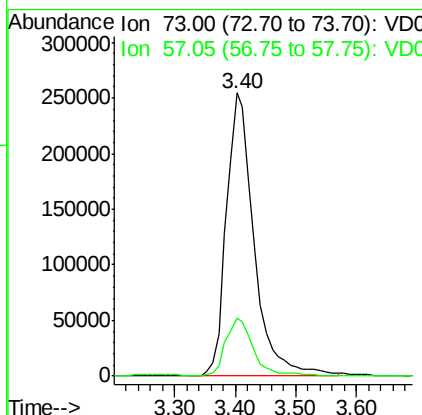
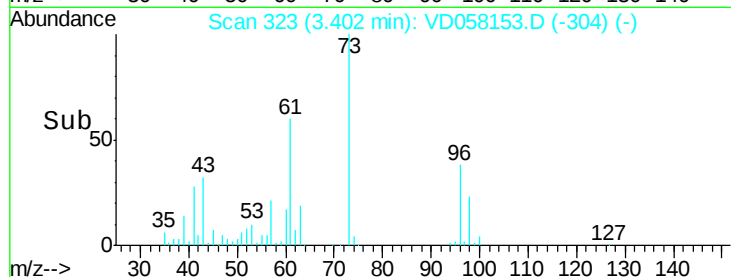
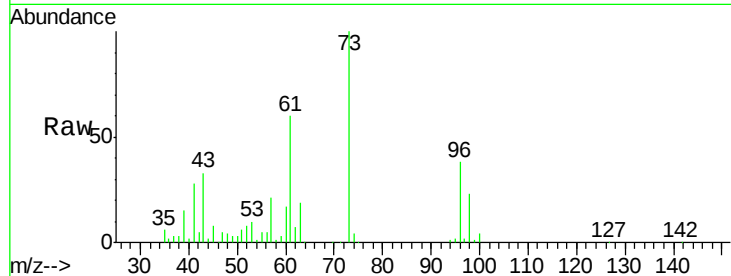
#19
Methyl tert-butyl Ether
Concen: 50.669 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 807398
Ion Ratio Lower Upper
73 100
57 20.6 16.7 25.1

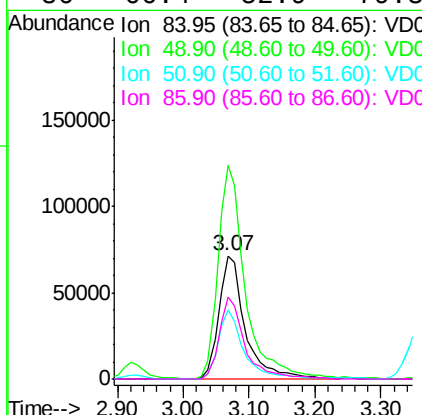
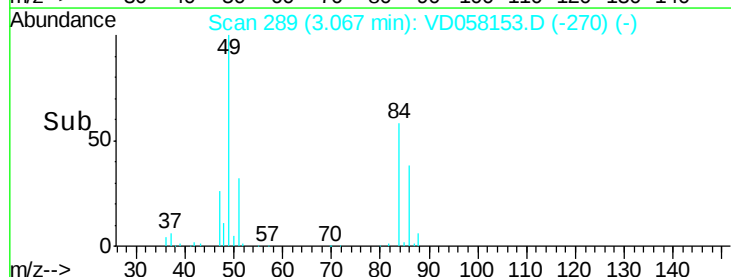
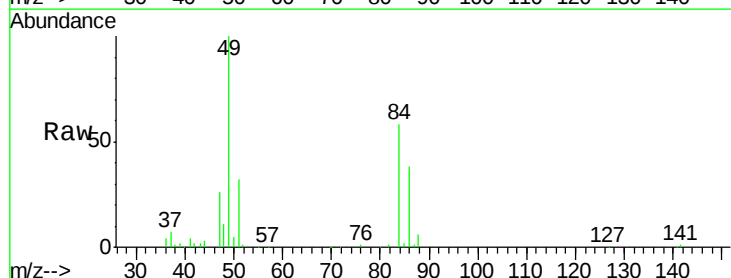
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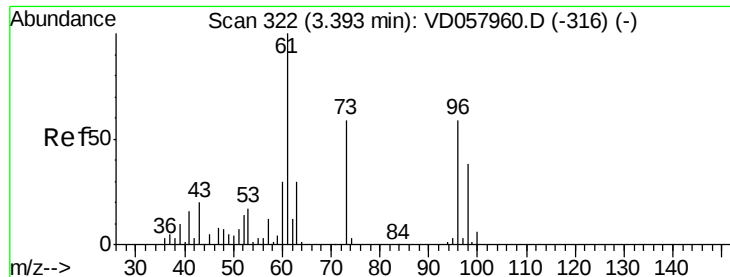
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#20
Methylene Chloride
Concen: 56.094 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 84 Resp: 199053
Ion Ratio Lower Upper
84 100
49 173.6 141.4 212.0
51 56.2 38.3 57.5
86 66.4 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 45.790 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 369348

Ion Ratio Lower Upper

96 100

61 173.8 135.2 202.8

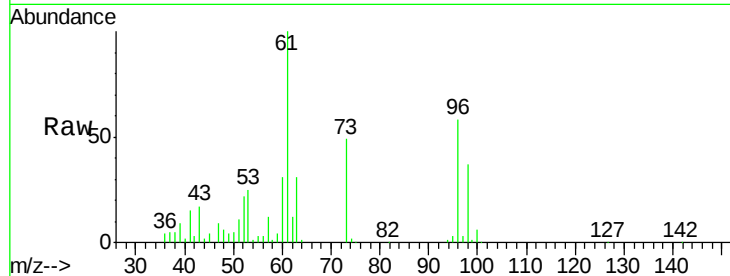
98 63.5 51.7 77.5

Manual Integrations

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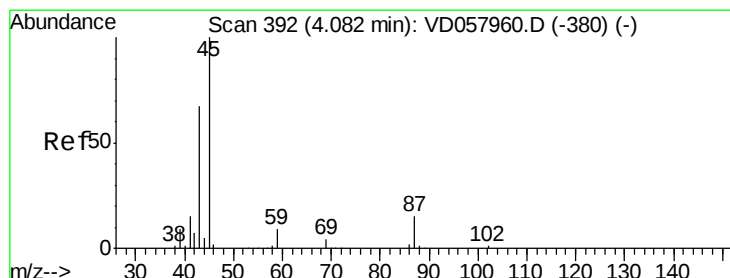
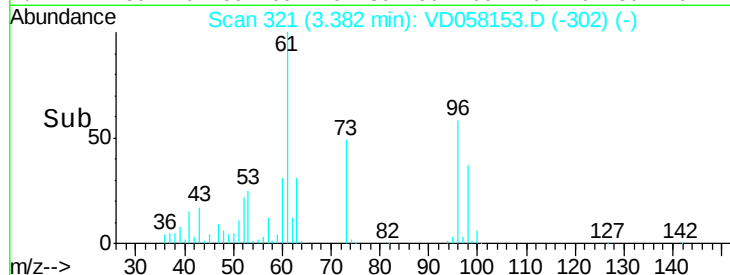
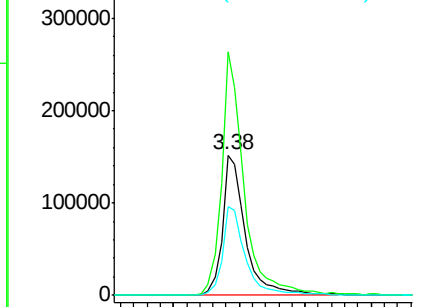
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 45.521 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion: 45 Resp: 1506549

Ion Ratio Lower Upper

45 100

43 70.9 53.8 80.8

87 16.6 12.5 18.7

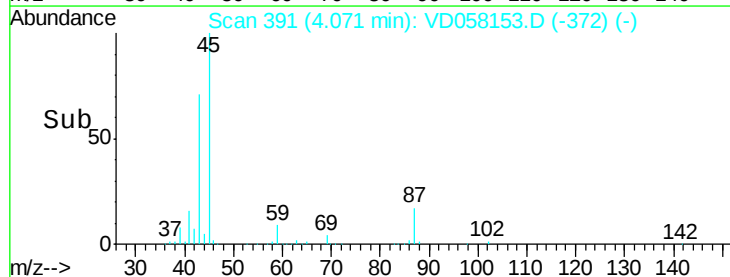
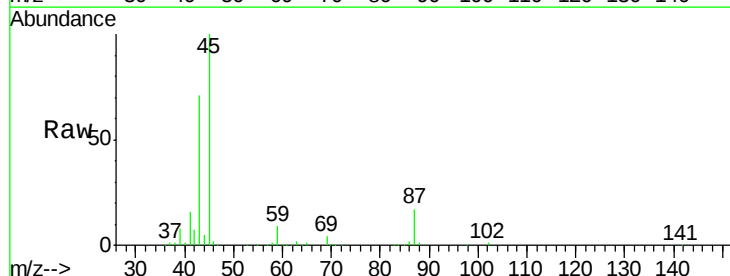
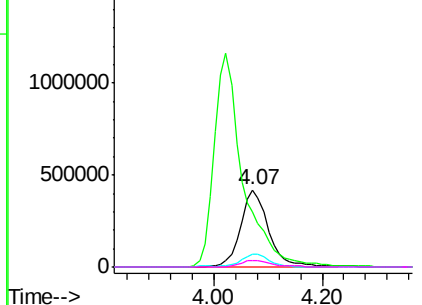
59 8.9 7.3 10.9

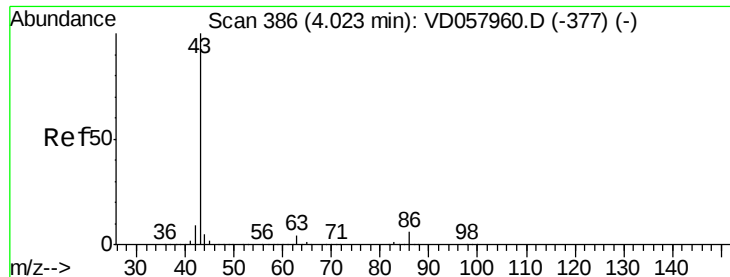
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 247.779 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4236982

Ion Ratio Lower Upper

43 100

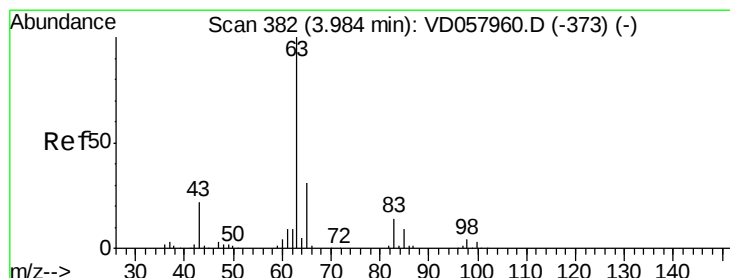
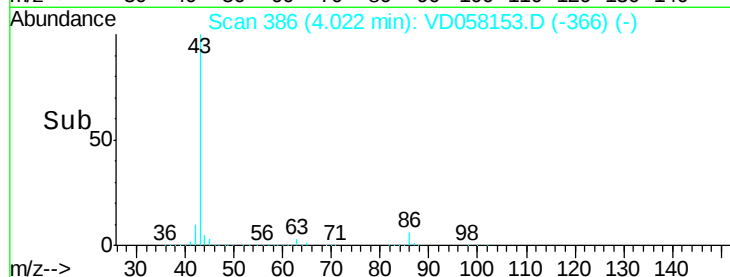
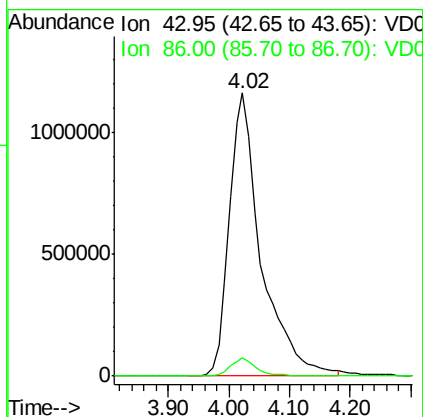
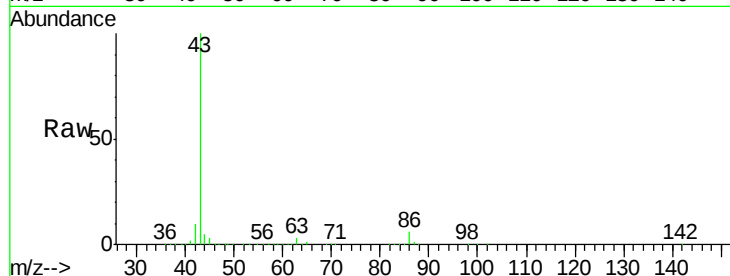
86 6.3 4.7 7.1

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#24

1,1-Dichloroethane

Concen: 46.773 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

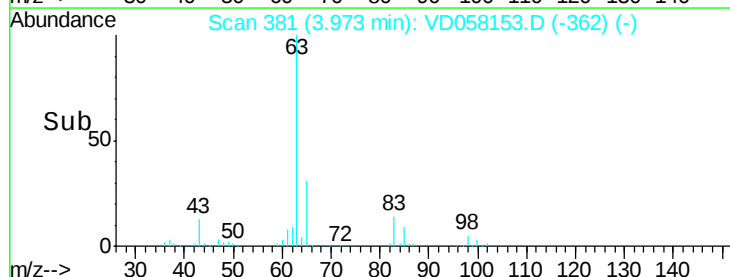
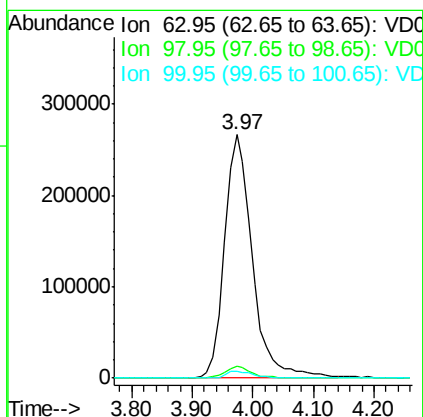
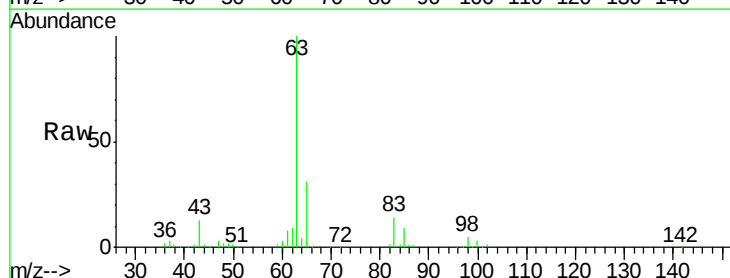
Tgt Ion: 63 Resp: 850751

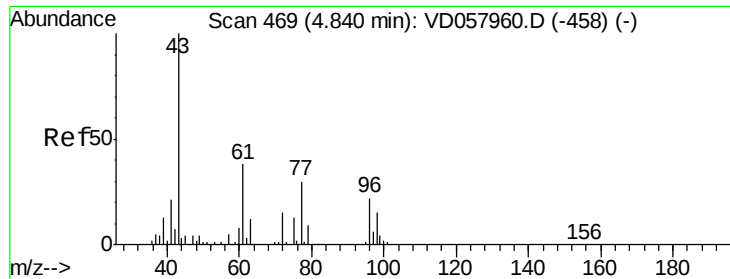
Ion Ratio Lower Upper

63 100

98 5.1 2.0 5.8

100 3.0 1.4 4.2





#25

2-Butanone

Concen: 247.694 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tot Ion: 43 Resp: 732117

Ion Ratio Lower Upper

43 100

72 17.0 12.0 18.0

Instrument :

MSVOA_D

ClientSampleId :

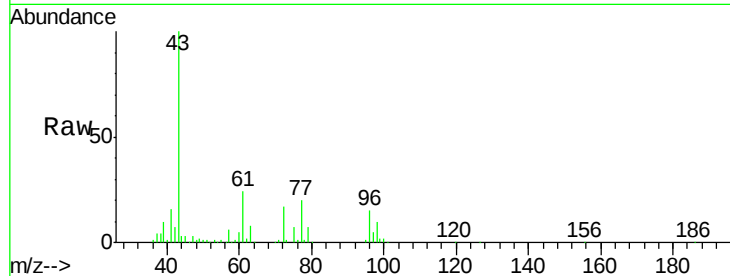
VSTDCCC050

Manual Integrations

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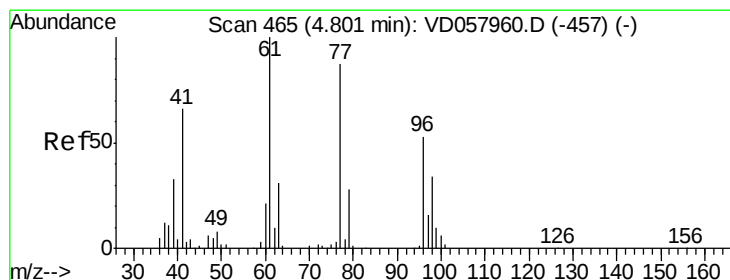
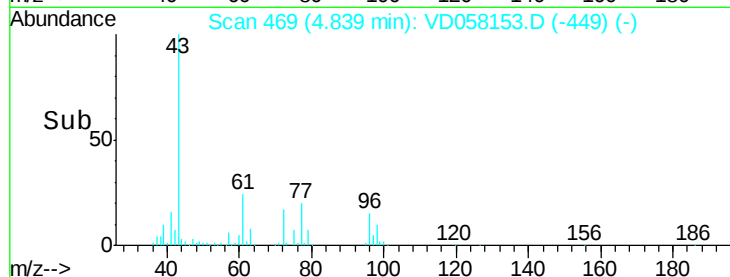
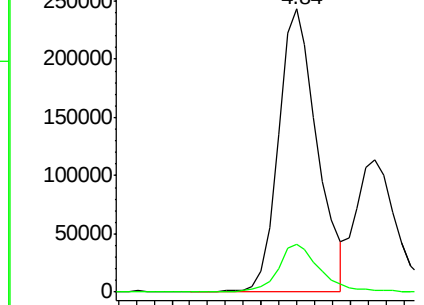
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.527 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058153.D

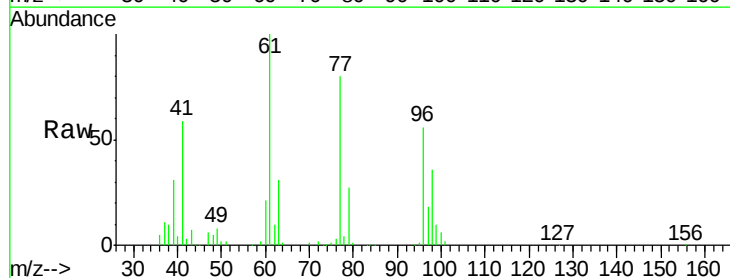
Acq: 15 Jun 2018 15:17

Tgt Ion: 77 Resp: 742090

Ion Ratio Lower Upper

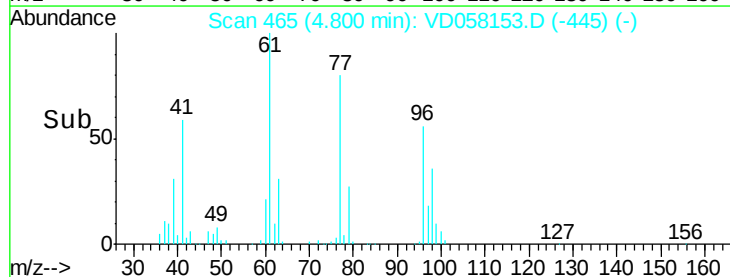
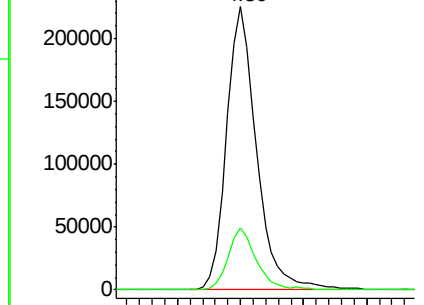
77 100

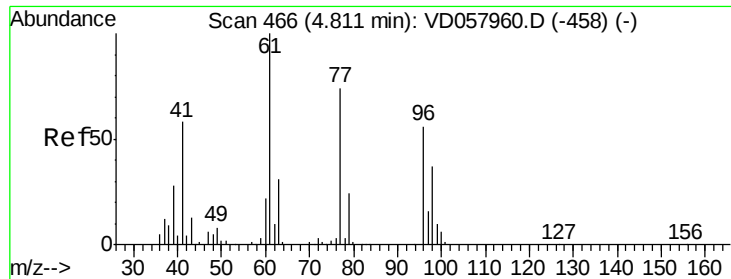
97 21.9 9.2 27.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

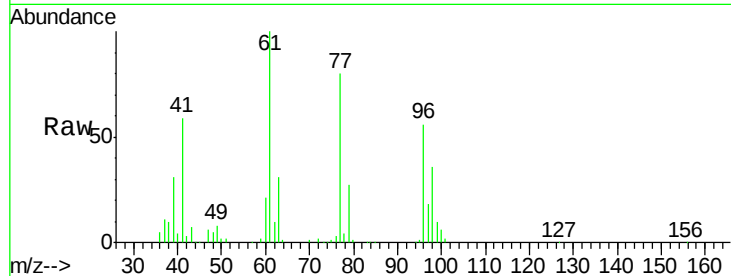
cis-1,2-Dichloroethene
Concen: 49.034 ug/l
RT: 4.80 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

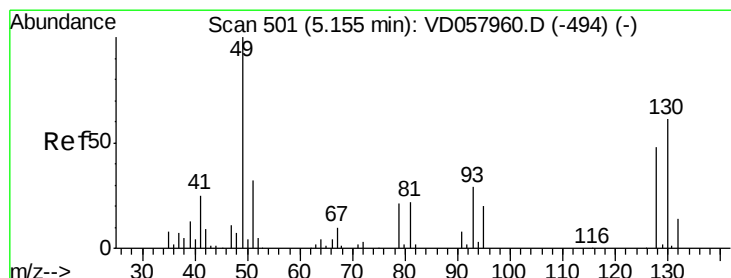
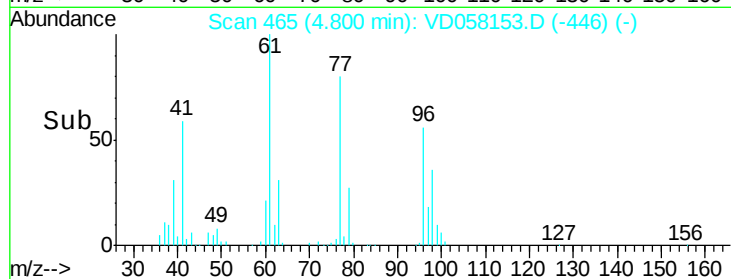
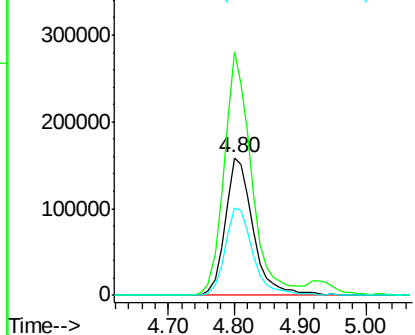
Tot Ion	Ratio	Lower	Upper
96	100		
61	177.0	0.0	355.0
98	63.3	0.0	129.6

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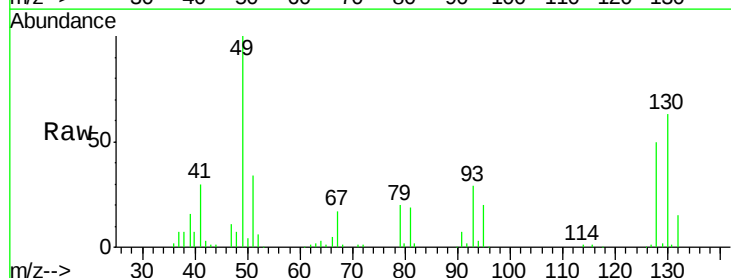
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



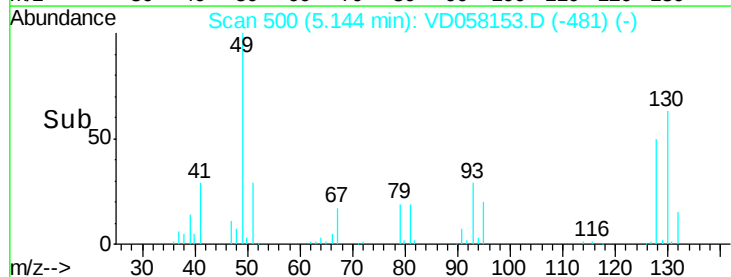
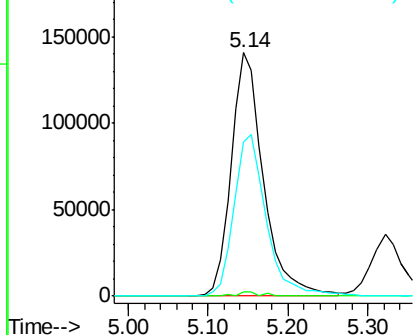
#28

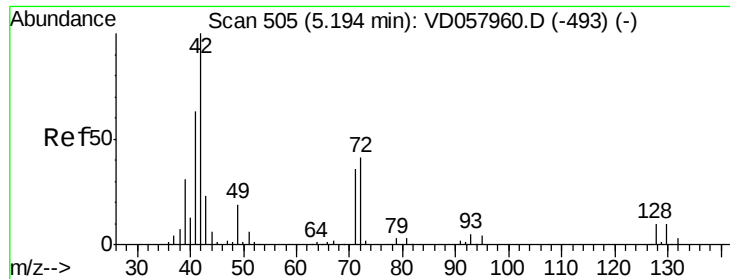
Bromochloromethane
Concen: 50.461 ug/l
RT: 5.14 min Scan# 500
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	63.2	48.8	73.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





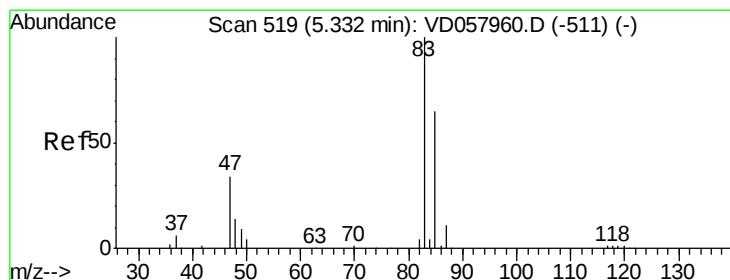
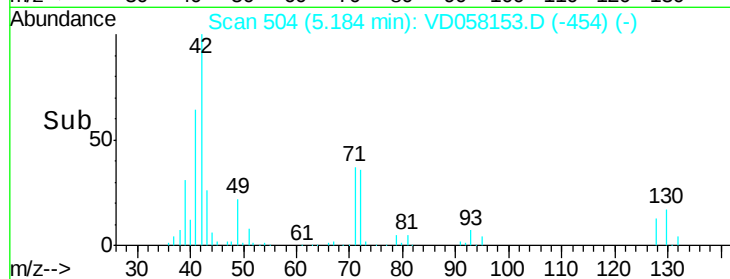
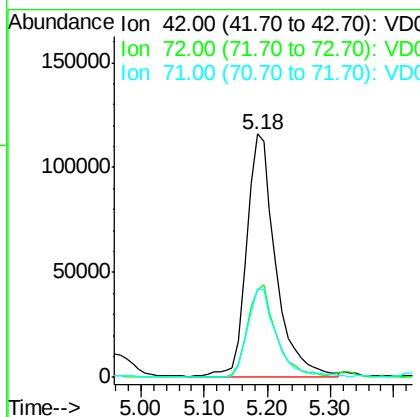
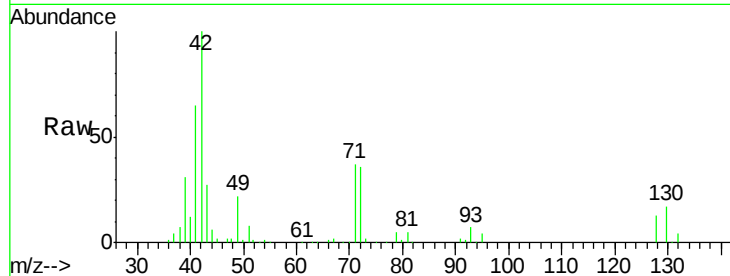
#29
Tetrahydrofuran
Concen: 239.316 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	28.5	42.7
71	36.4	27.9	41.9

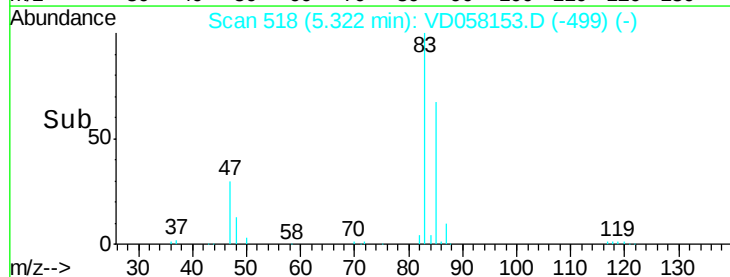
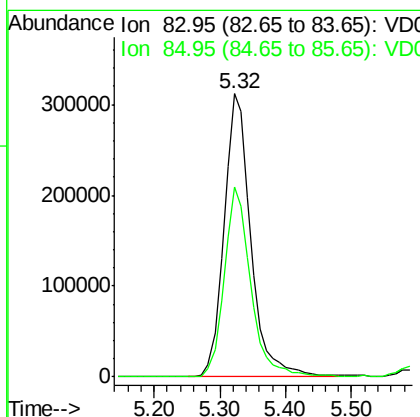
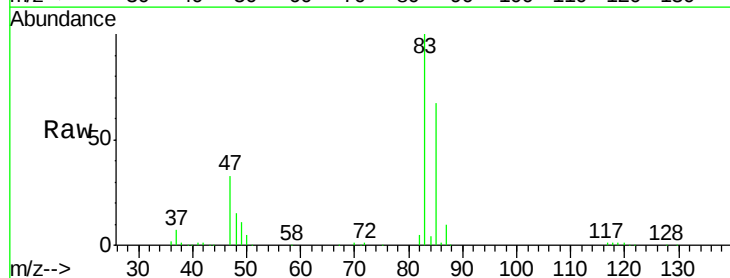
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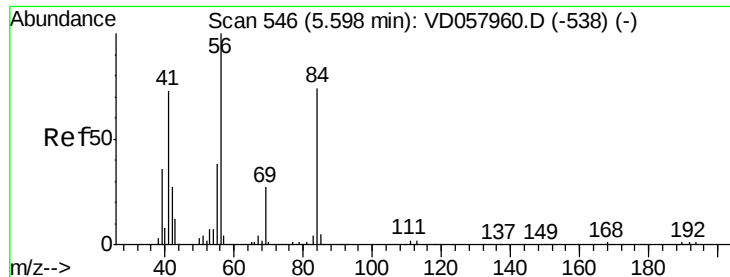
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#30
Chloroform
Concen: 48.471 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.6	77.4





#31

Cyclohexane

Concen: 43.697 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

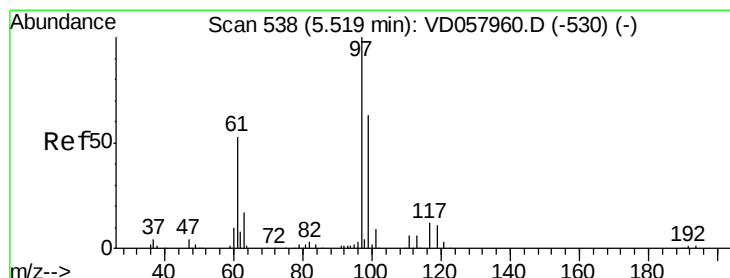
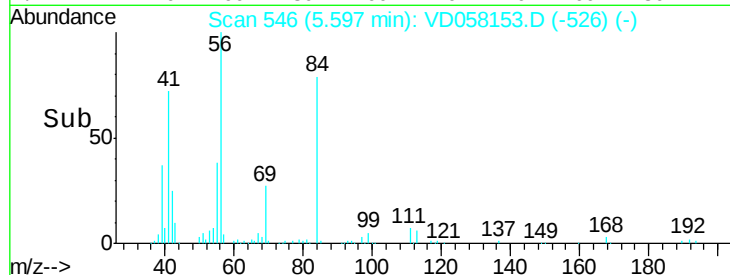
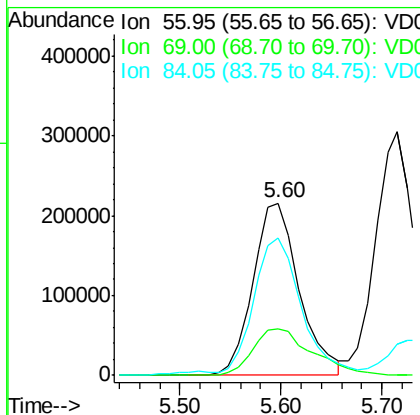
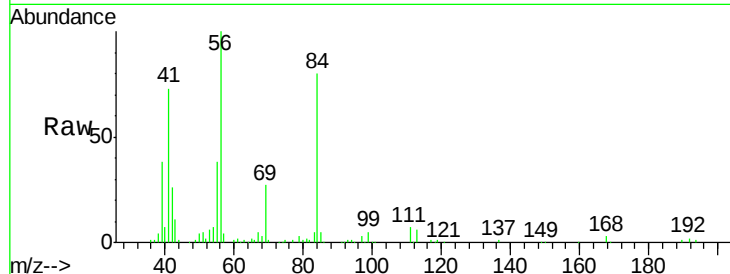
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	685901
Ion	Ratio	Lower	Upper
56	100		
69	26.9	21.5	32.3
84	79.6	61.0	91.6

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#32

1,1,1-Trichloroethane

Concen: 49.895 ug/l

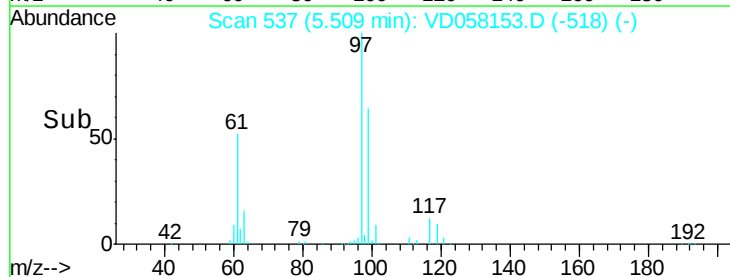
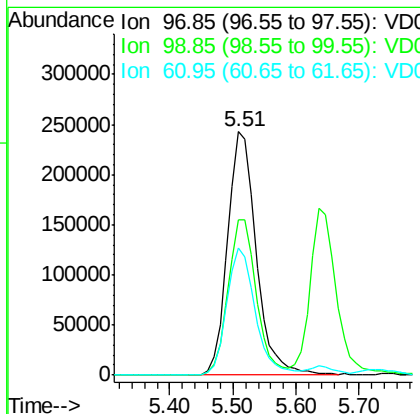
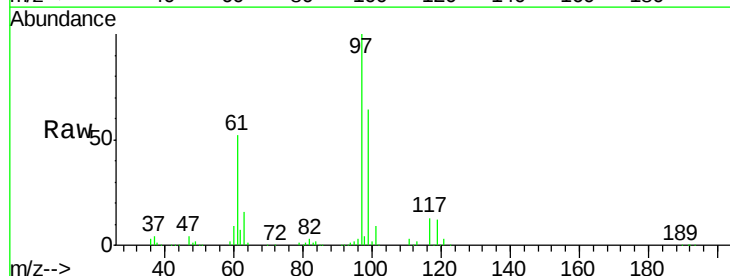
RT: 5.51 min Scan# 537

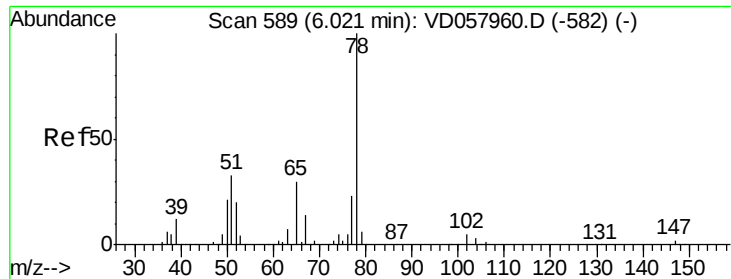
Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion:	97	Resp:	764754
Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.1	75.1
61	52.1	42.2	63.4





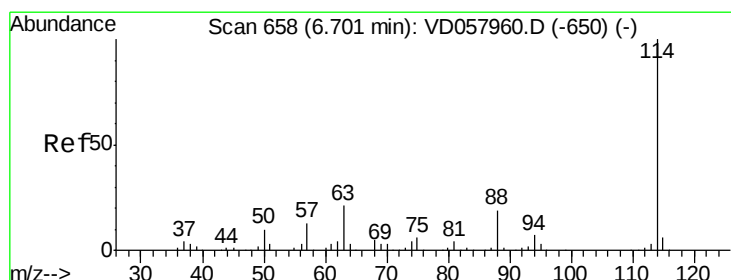
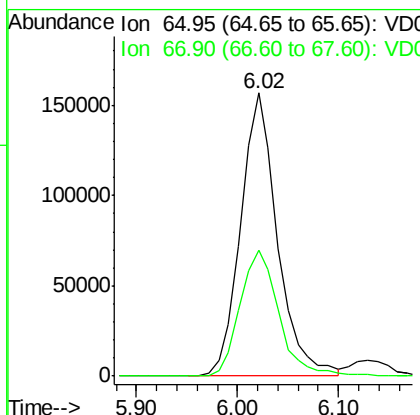
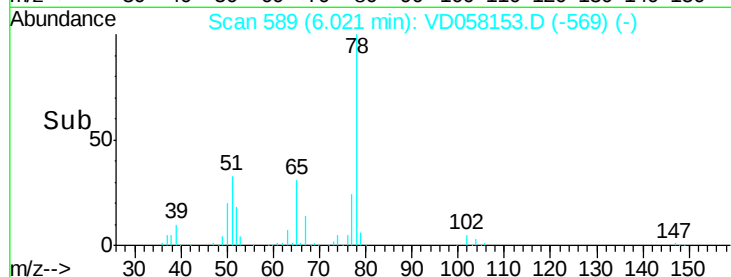
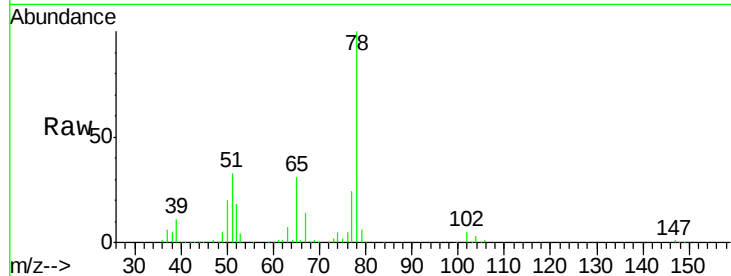
#33
 1,2-Dichloroethane-d4
 Concen: 49.895 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 397452
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 94.0

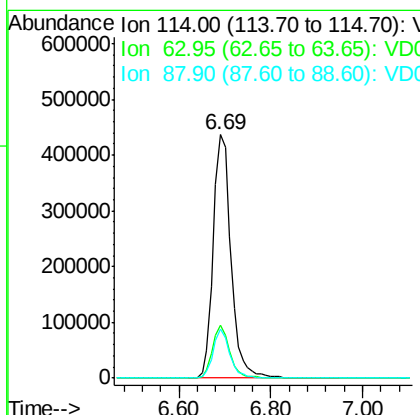
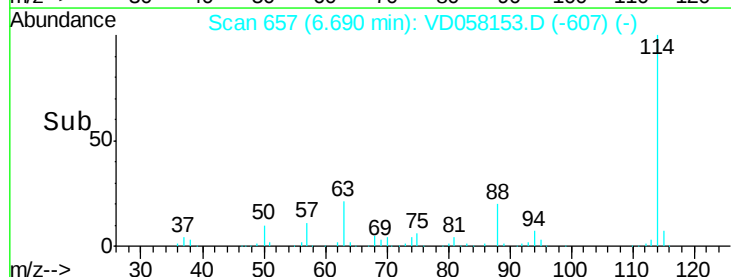
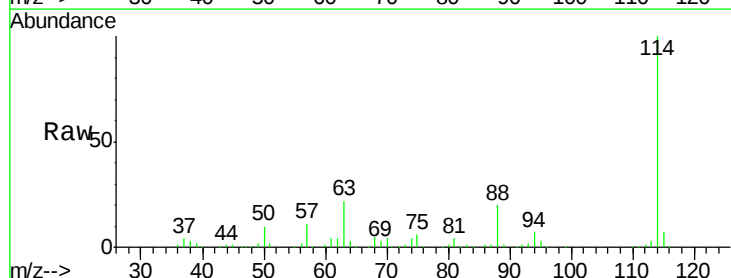
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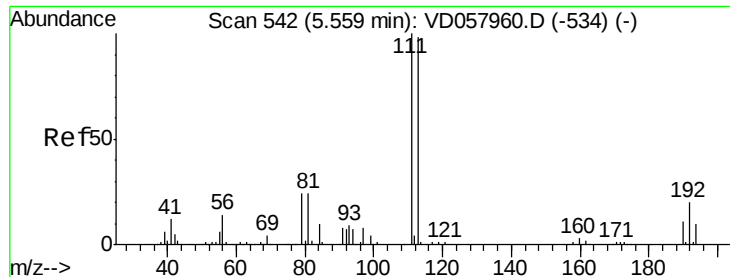
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 114 Resp: 1153468
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 20.1 0.0 37.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

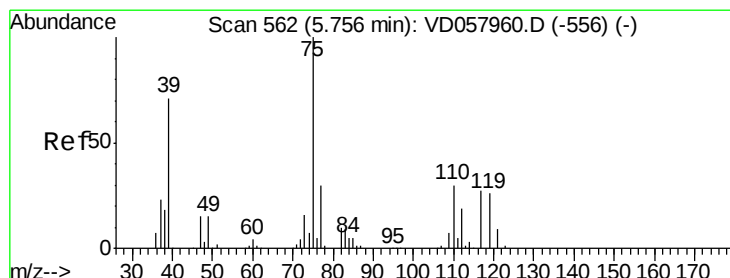
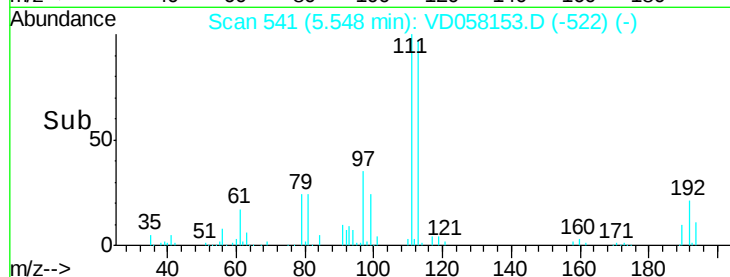
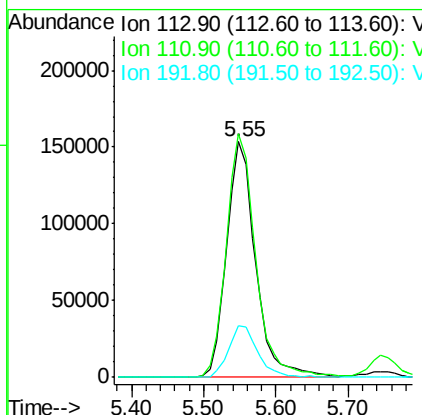
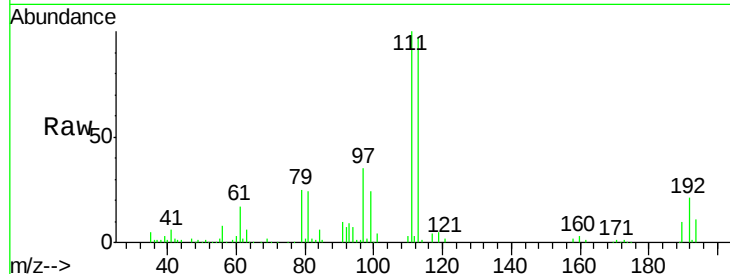
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	429606
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.5	122.3
192	21.8	16.4	24.6

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#36

1,1-Dichloropropene

Concen: 50.157 ug/l

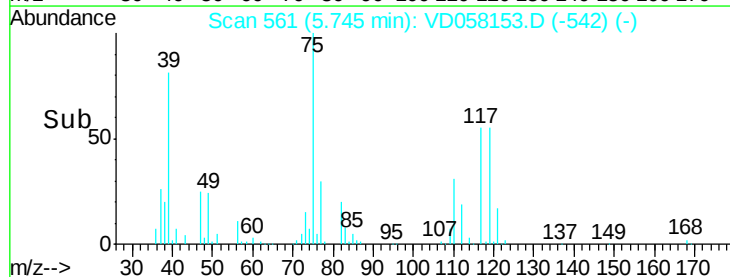
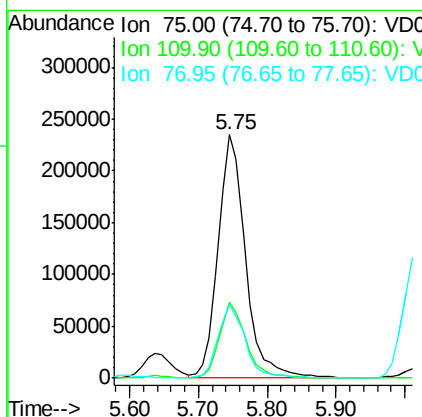
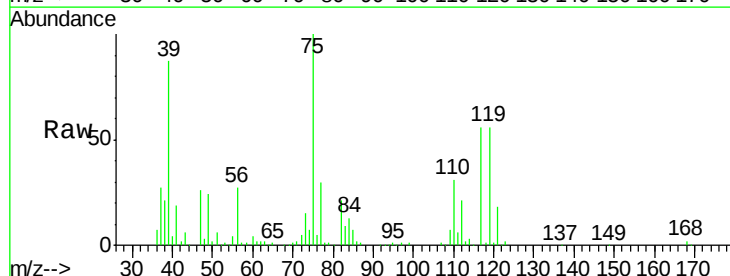
RT: 5.75 min Scan# 561

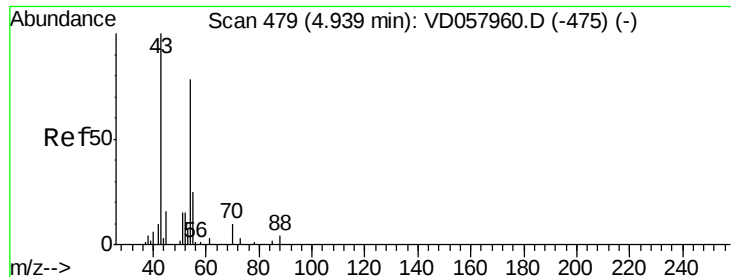
Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion:	75	Resp:	637406
Ion Ratio	Lower	Upper	
75	100		
110	31.4	14.8	44.3
77	30.2	23.9	35.9





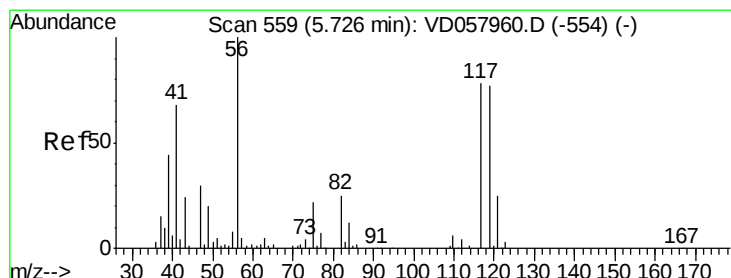
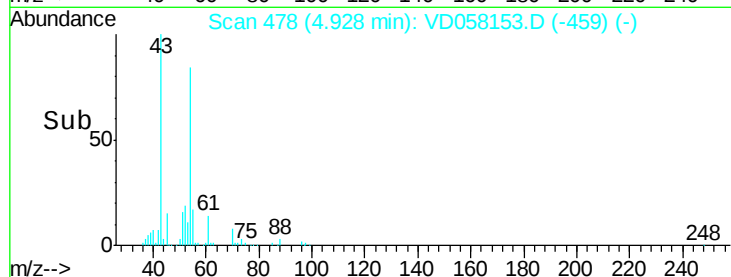
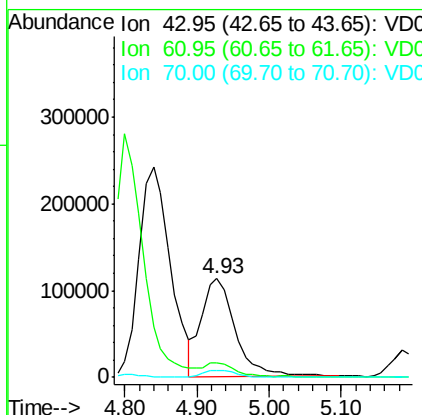
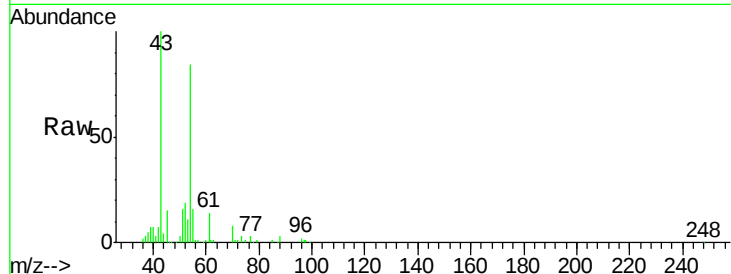
#37
Ethyl Acetate
Concen: 52.780 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	9.9	14.9
70	7.5	5.7	8.5

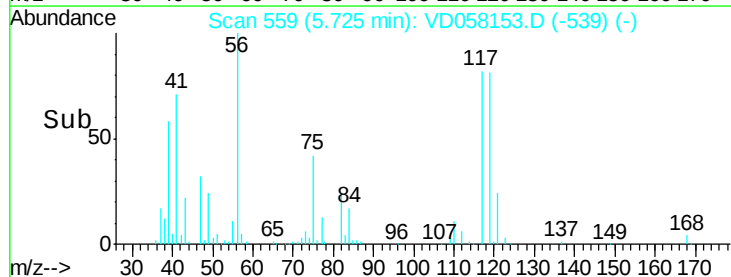
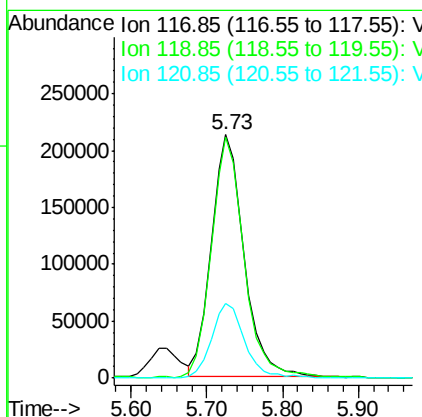
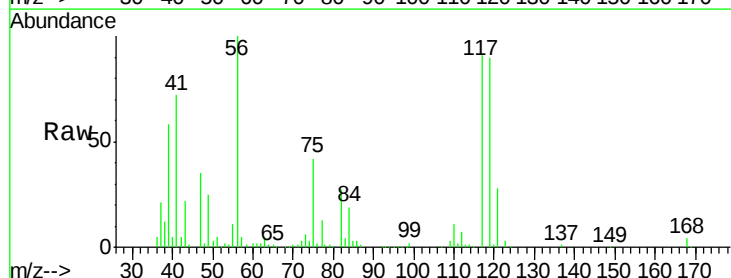
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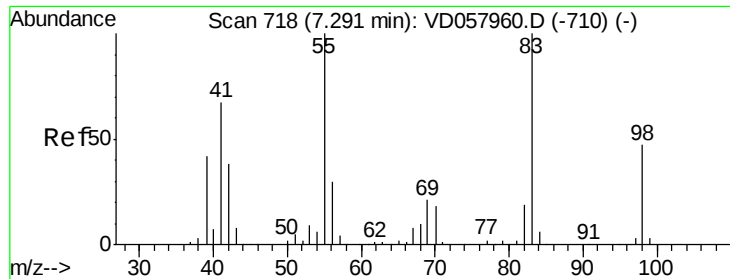
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#38
Carbon Tetrachloride
Concen: 50.777 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	76.1	114.1
121	30.8	24.9	37.3





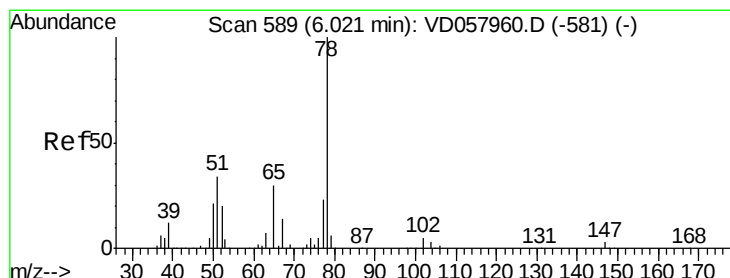
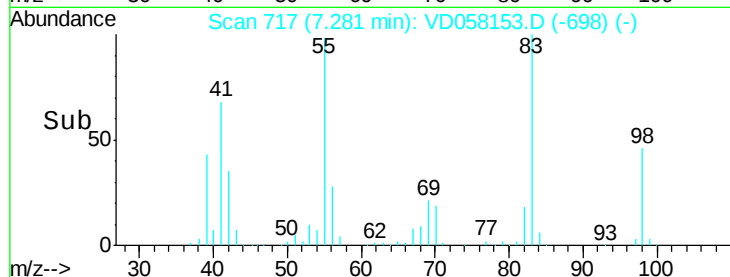
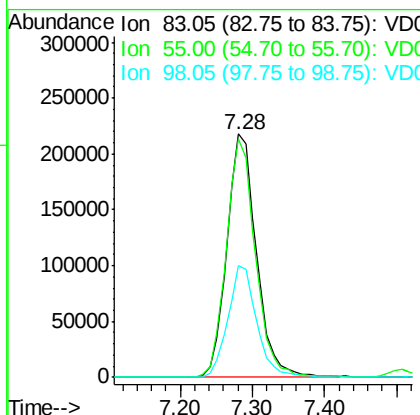
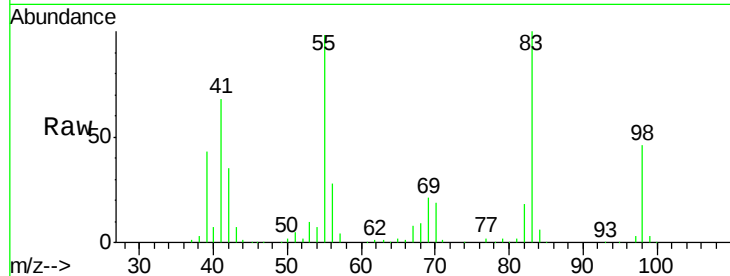
#39
Methvlcvclohexane
Concen: 49.358 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.7	80.3	120.5
98	45.7	38.0	57.0

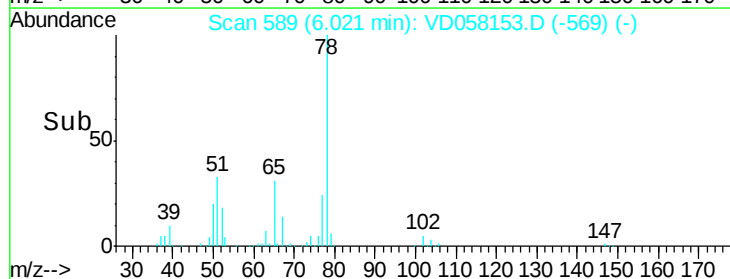
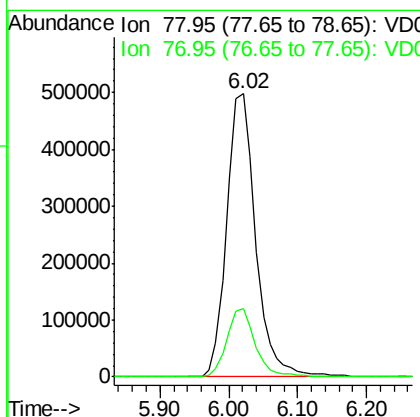
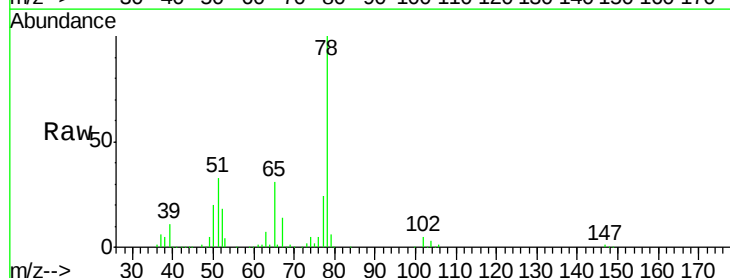
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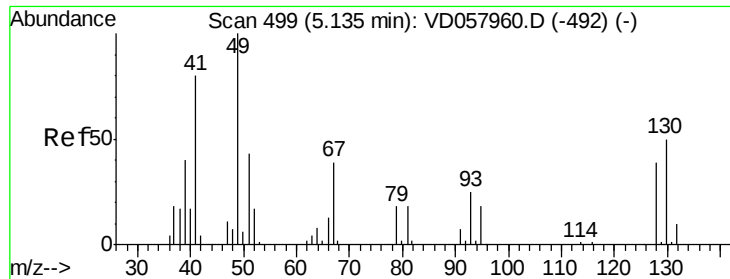
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#40
Benzene
Concen: 48.943 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.1	27.1





#41

Methacrylonitrile

Concen: 55.371 ug/l

RT: 5.12 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

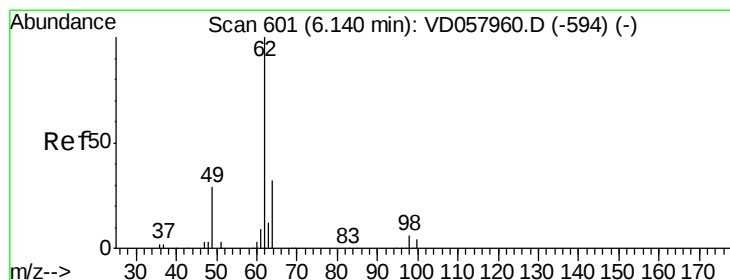
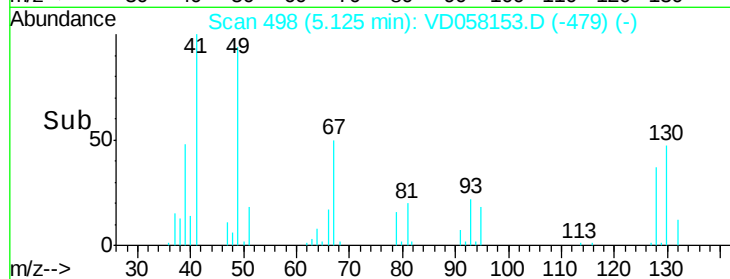
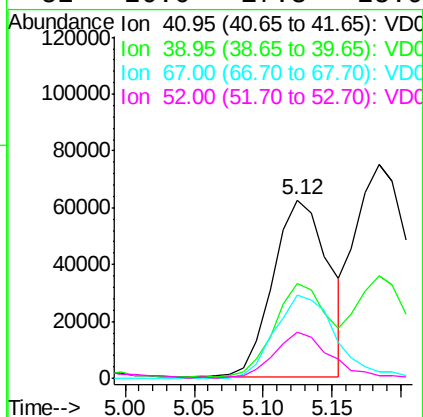
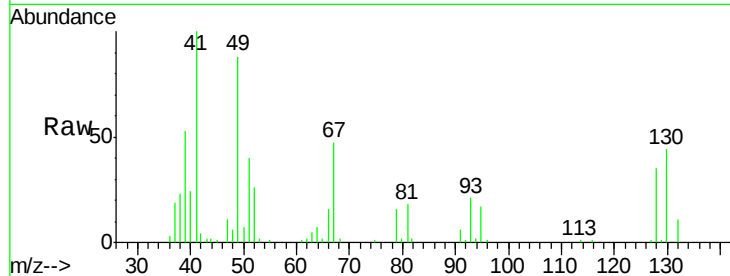
VSTDCCC050

Tot Ion: 41 Resp: 175559

Ion	Ratio	Lower	Upper
41	100		
39	53.5	40.7	61.1
67	46.7	38.8	58.2
52	26.0	17.3	25.9

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#42

1,2-Dichloroethane

Concen: 51.336 ug/l

RT: 6.13 min Scan# 600

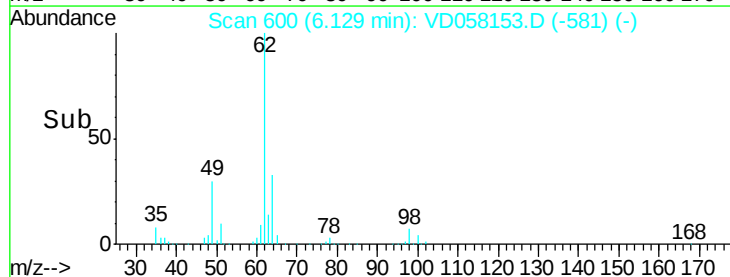
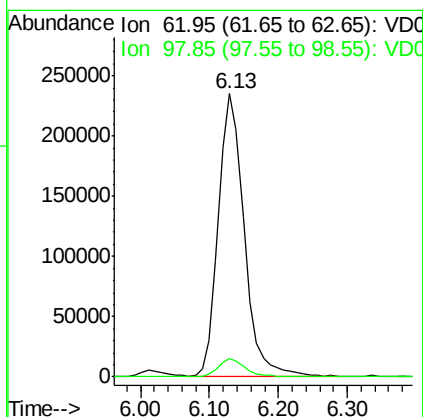
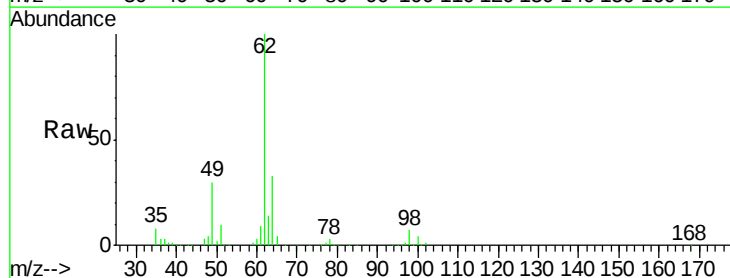
Delta R.T. -0.01 min

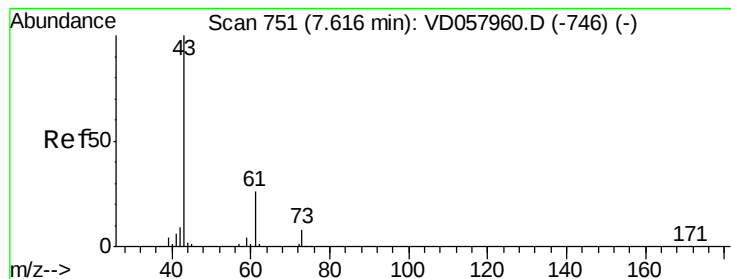
Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion: 62 Resp: 616188

Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	12.8





#43

Isopropyl Acetate

Concen: 50.173 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

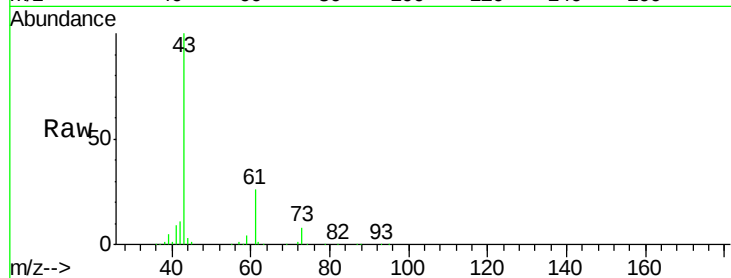
ClientSampleId :

VSTDCCC050

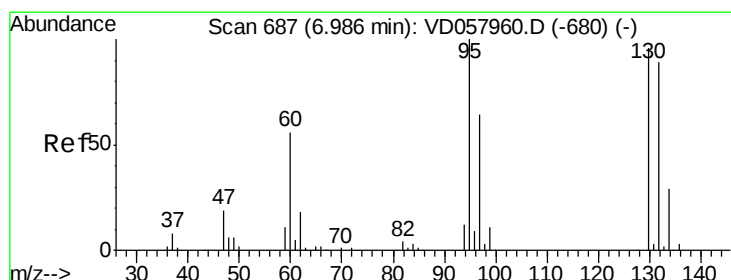
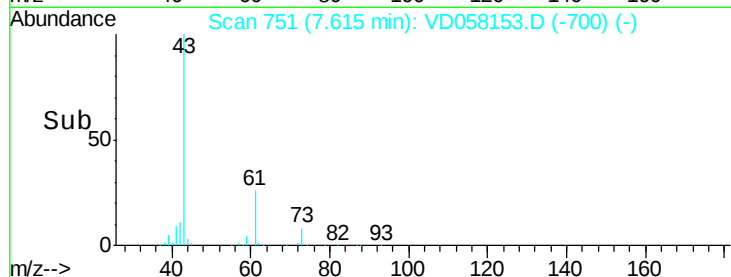
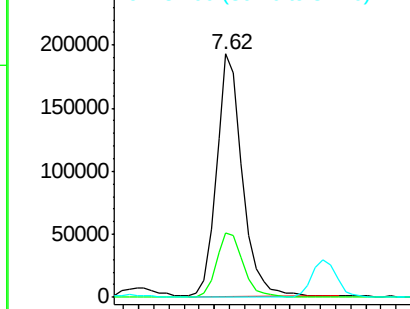
Tot Ion:	43	Resp:	455706
Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.6	30.8
87	0.4	0.2	0.4#

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.201 ug/l

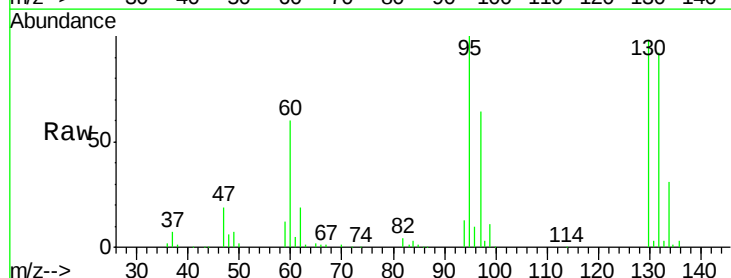
RT: 6.98 min Scan# 686

Delta R.T. -0.01 min

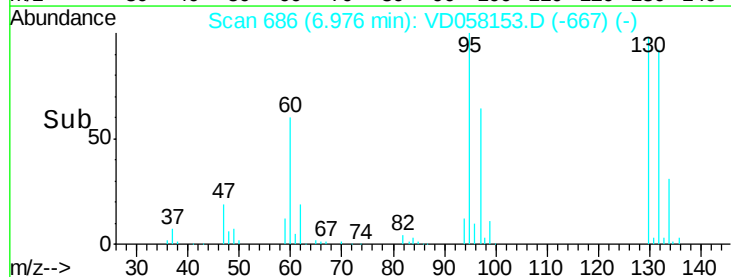
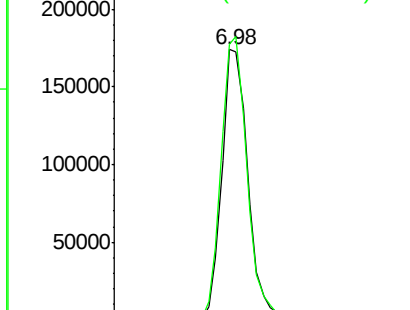
Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion:	130	Resp:	461331
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	207.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.608 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 401068

Ion Ratio Lower Upper

63 100

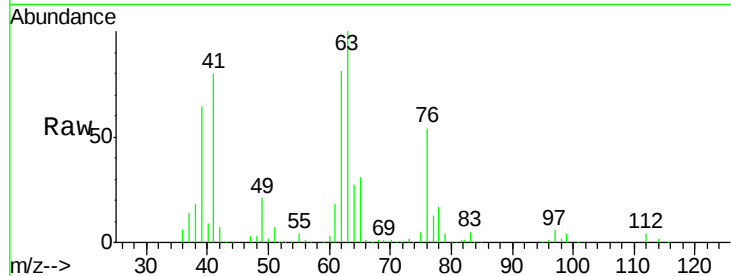
65 31.1 24.9 37.3

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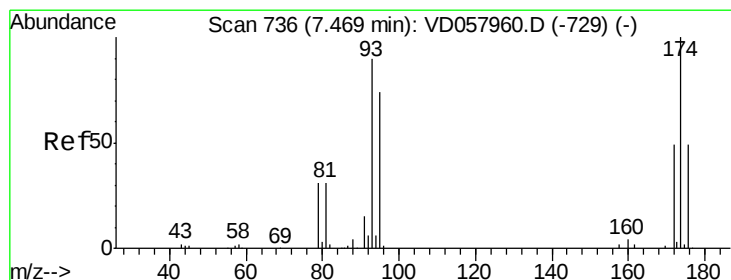
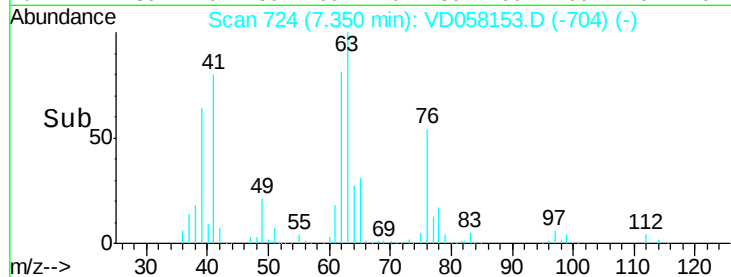
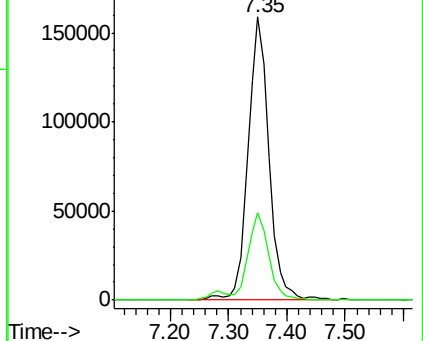
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.381 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

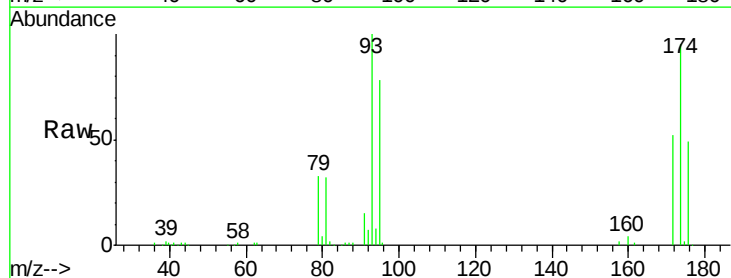
Tgt Ion: 93 Resp: 277639

Ion Ratio Lower Upper

93 100

95 78.4 65.7 98.5

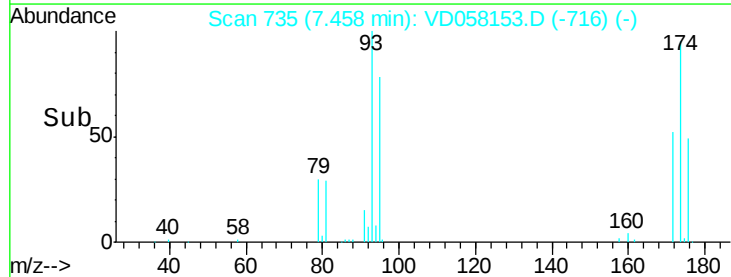
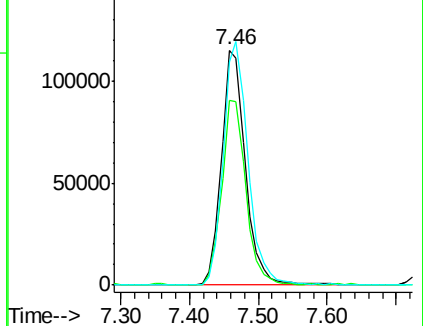
174 95.3 89.0 133.4

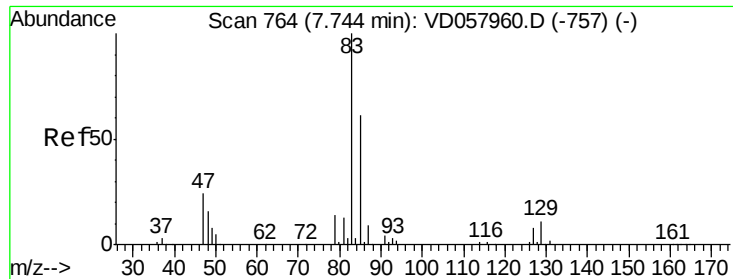


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 52.392 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

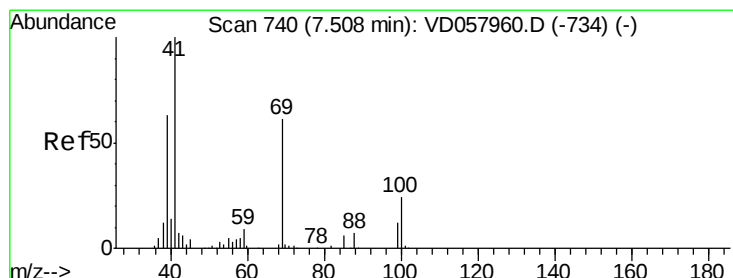
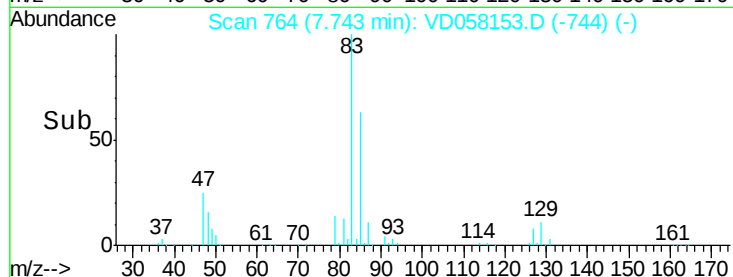
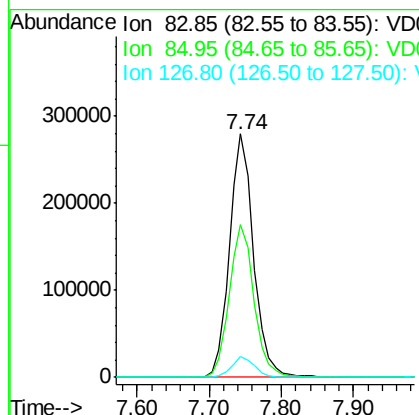
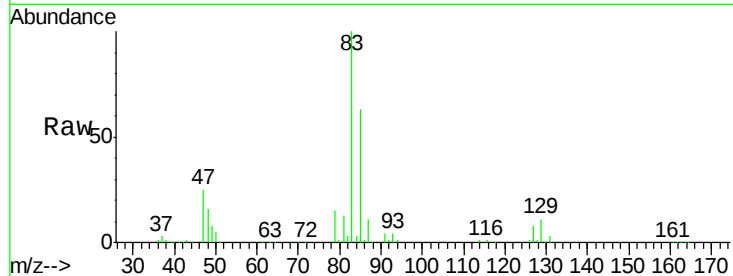
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	650211
Ion Ratio	Lower	Upper	
83	100		
85	62.9	49.1	73.7
127	8.4	6.2	9.2

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#48

Methyl methacrylate

Concen: 49.739 ug/l

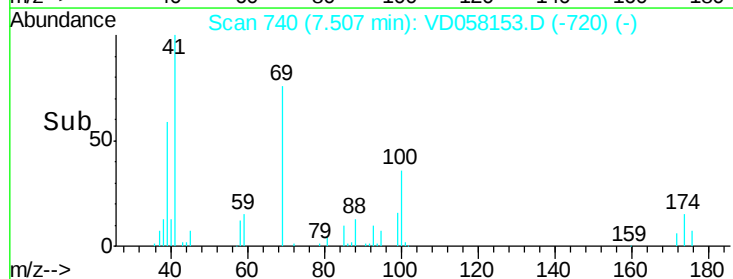
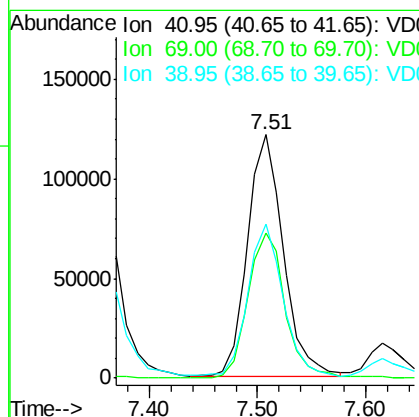
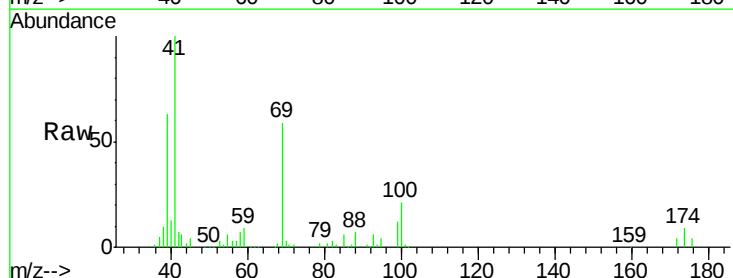
RT: 7.51 min Scan# 740

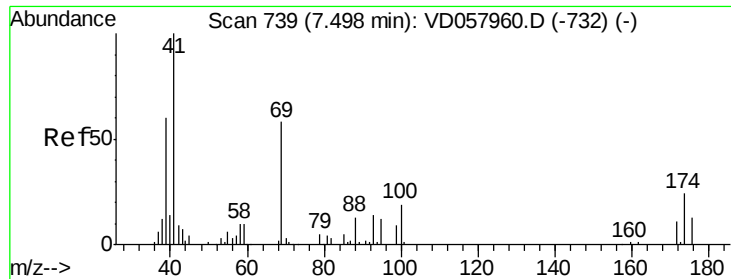
Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Tgt Ion:	41	Resp:	278059
Ion Ratio	Lower	Upper	
41	100		
69	59.3	48.0	72.0
39	63.0	50.7	76.1





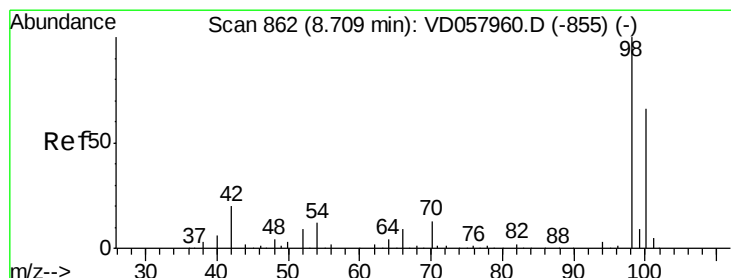
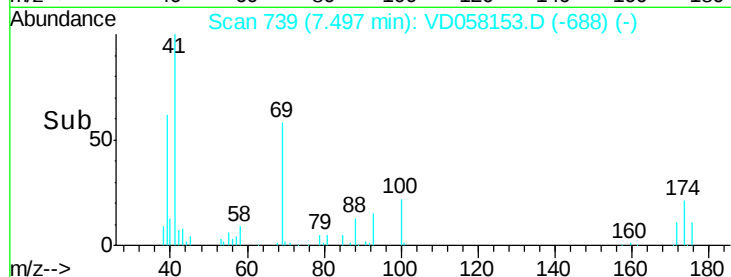
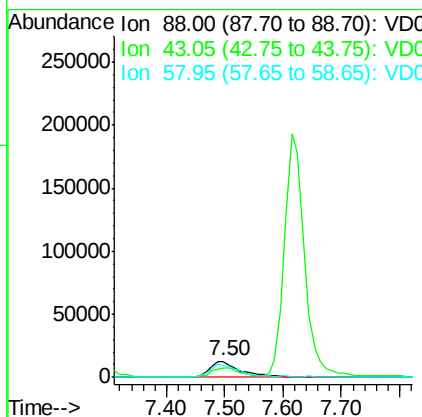
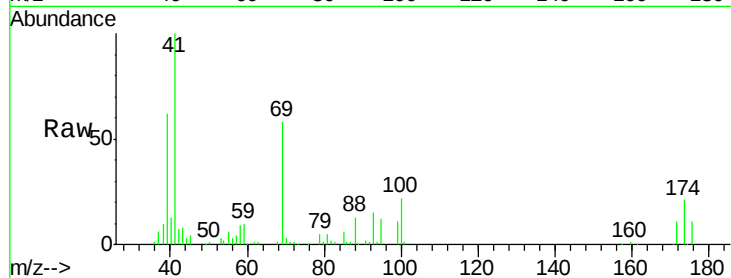
#49
1,4-Dioxane
Concen: 1041.621 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	60.4	46.6	69.8
58	69.5	63.6	95.4

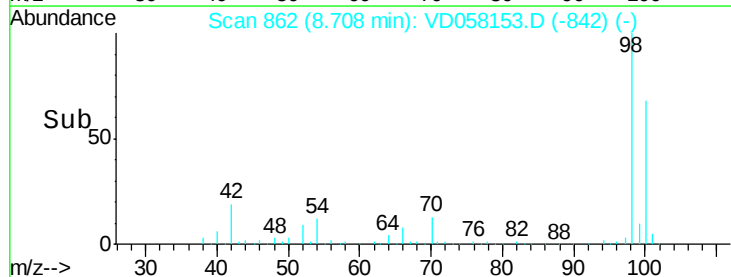
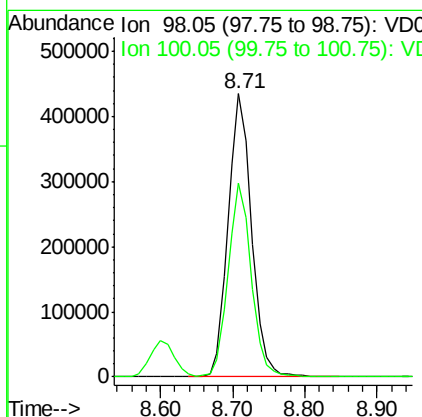
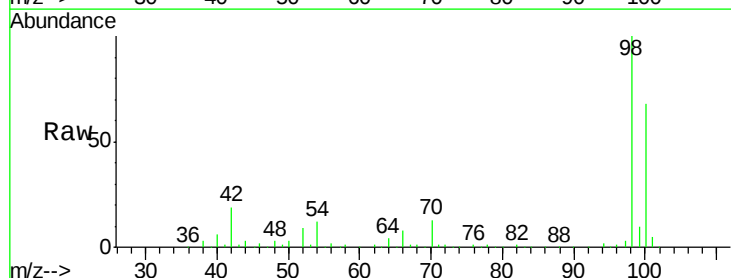
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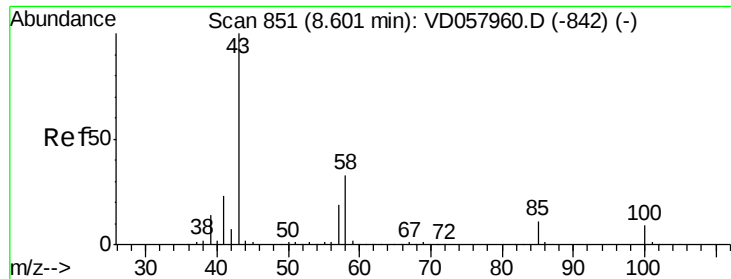
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#50
Toluene-d8
Concen: 1041.621 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 251.868 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1467316

Ion Ratio Lower Upper

43 100

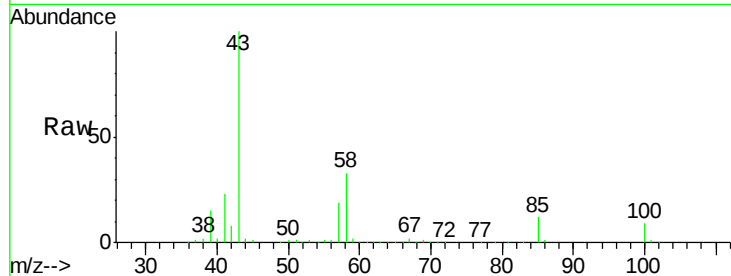
58 33.3 26.2 39.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

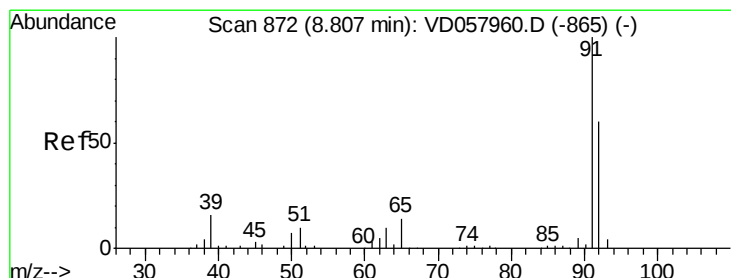
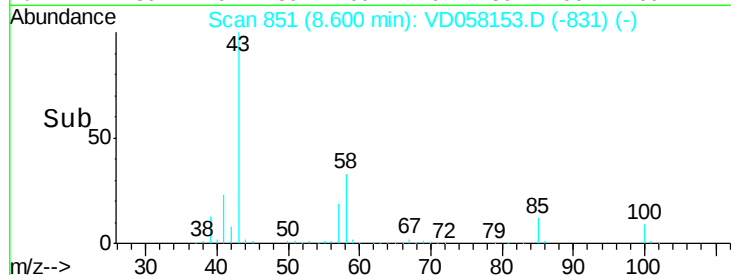
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.503 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058153.D

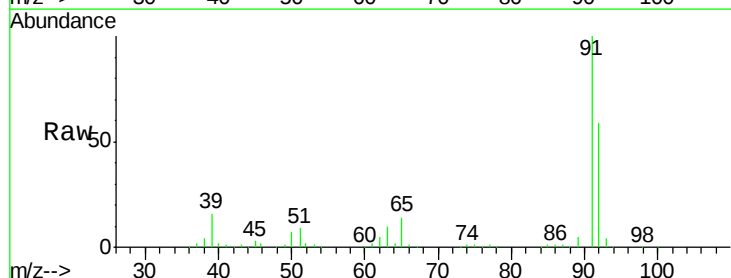
Acq: 15 Jun 2018 15:17

Tgt Ion: 92 Resp: 826390

Ion Ratio Lower Upper

92 100

91 169.2 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

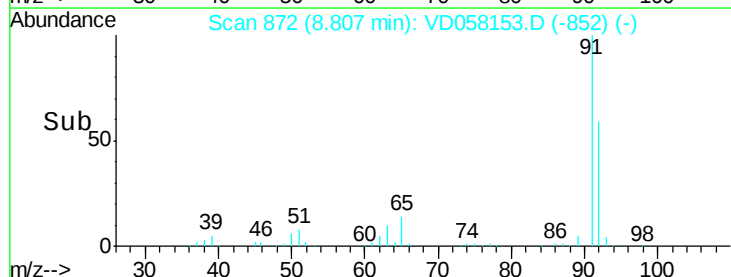
600000

400000

200000

0

Time-->





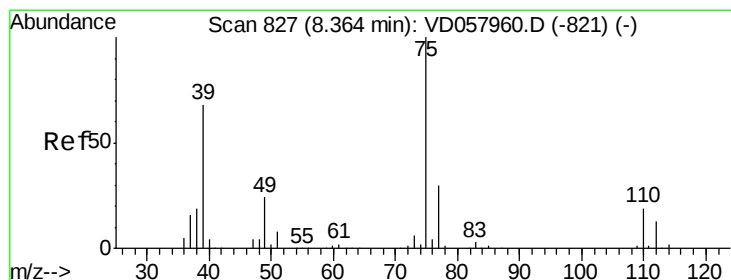
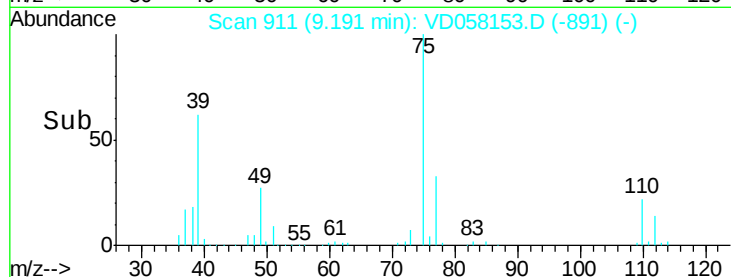
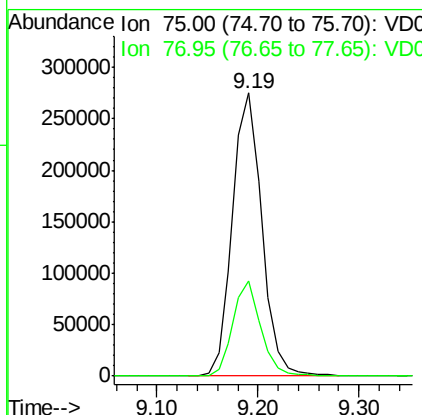
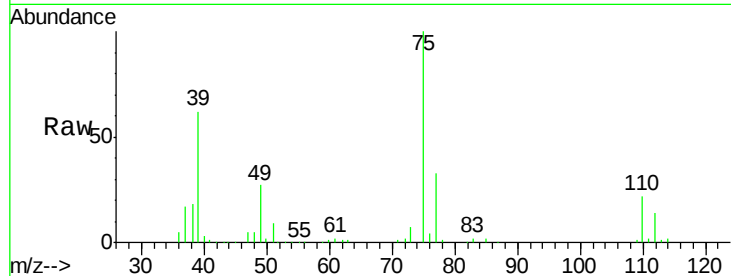
#53
t-1,3-Dichloropropene
Concen: 52.298 ug/l
RT: 9.19 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 559186
Ion Ratio Lower Upper
75 100
77 33.5 24.3 36.5

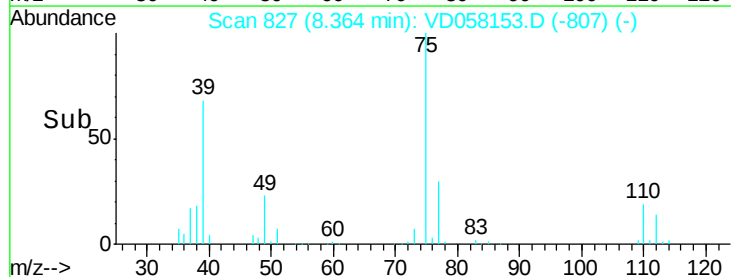
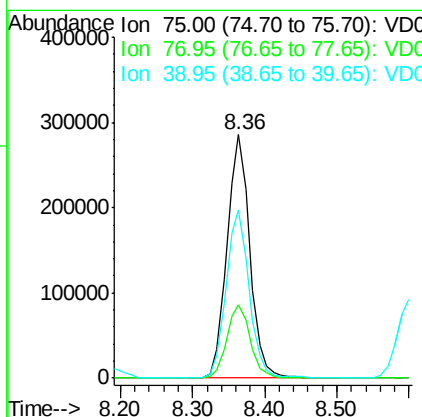
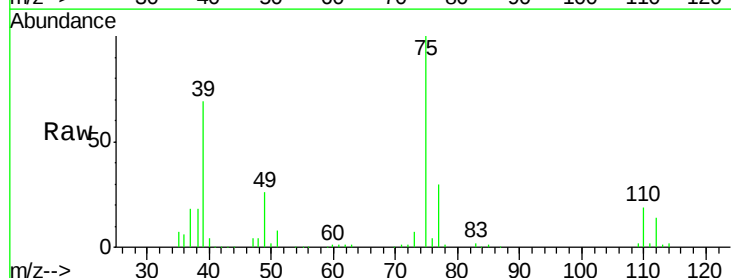
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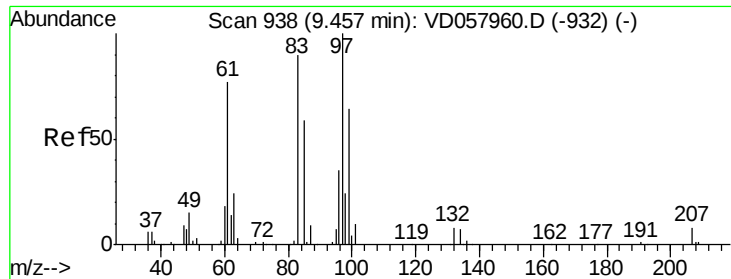
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#54
cis-1,3-Dichloropropene
Concen: 49.910 ug/l
RT: 8.36 min Scan# 827
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 75 Resp: 628697
Ion Ratio Lower Upper
75 100
77 30.3 24.1 36.1
39 69.2 54.0 81.0





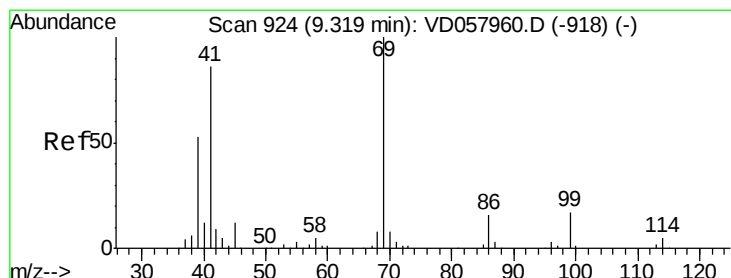
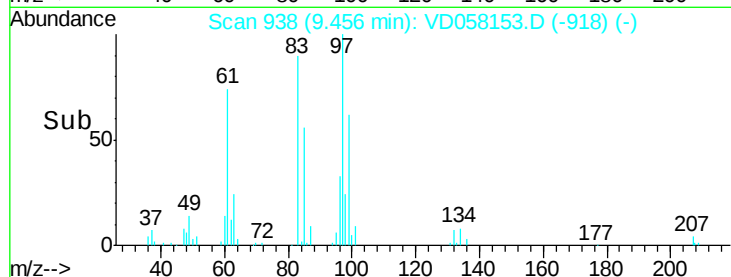
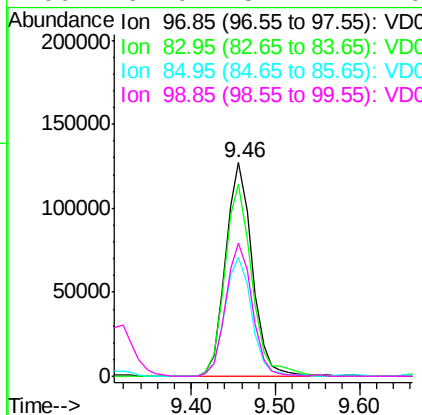
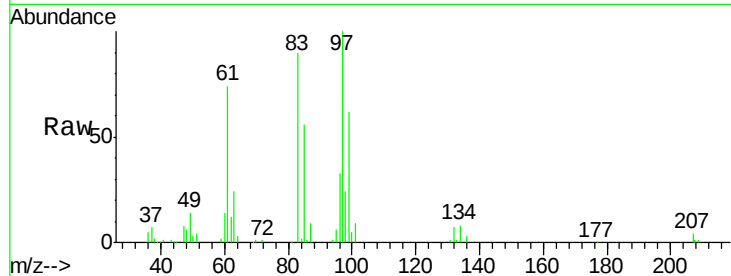
#55
 1,1,2-Trichloroethane
 Concen: 50.685 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	279481
Ion Ratio	Lower	Upper	
97	100		
83	90.0	71.8	107.8
85	55.8	47.2	70.8
99	62.0	51.4	77.0

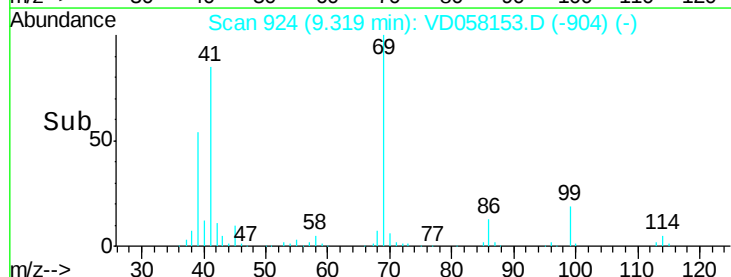
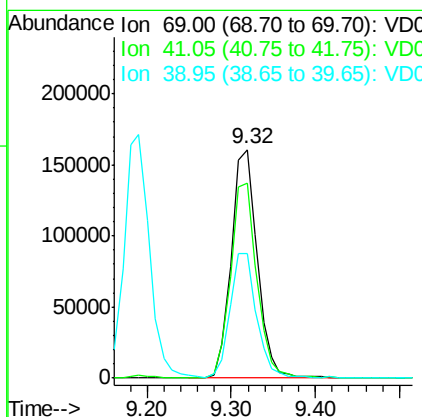
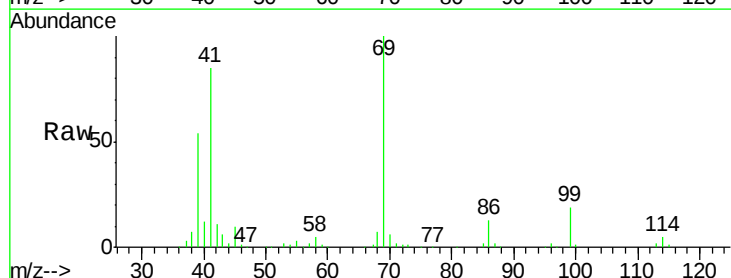
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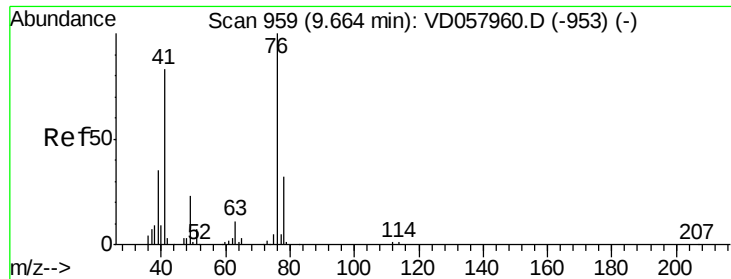
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#56
 Ethyl methacrylate
 Concen: 51.088 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion:	69	Resp:	345557
Ion Ratio	Lower	Upper	
69	100		
41	85.1	68.4	102.6
39	54.3	43.0	64.4





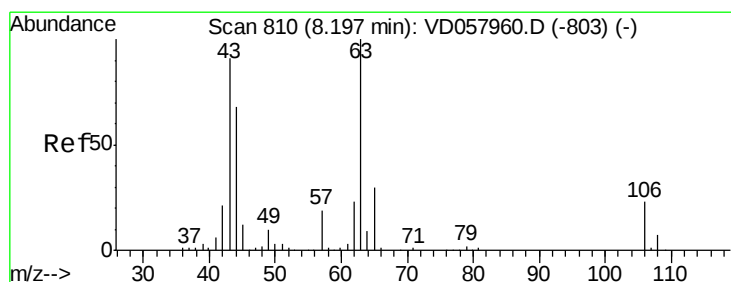
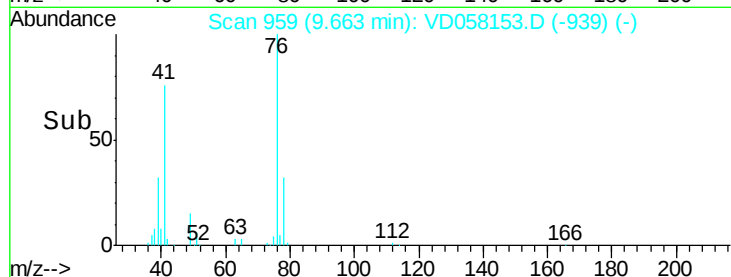
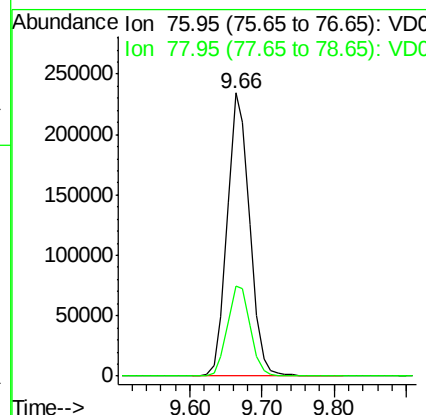
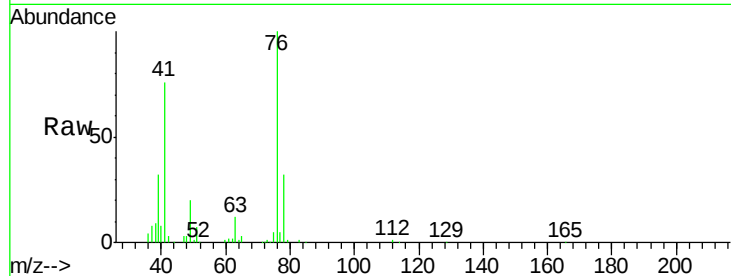
#57
 1,3-Dichloropropane
 Concen: 51.953 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 502443
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.2

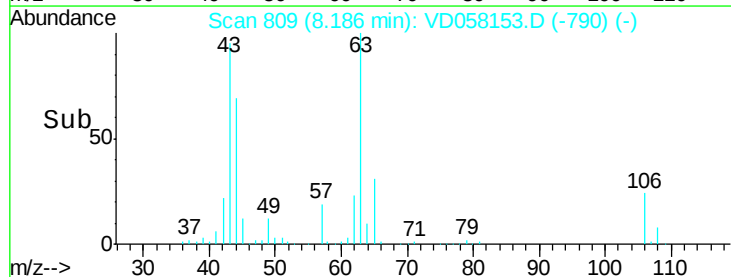
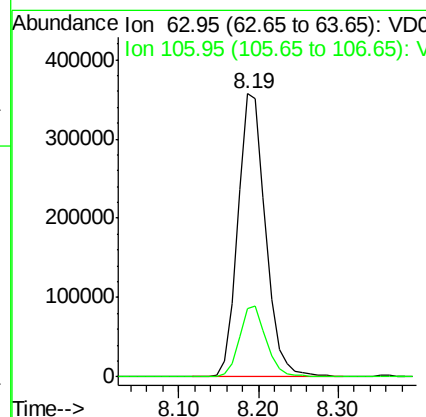
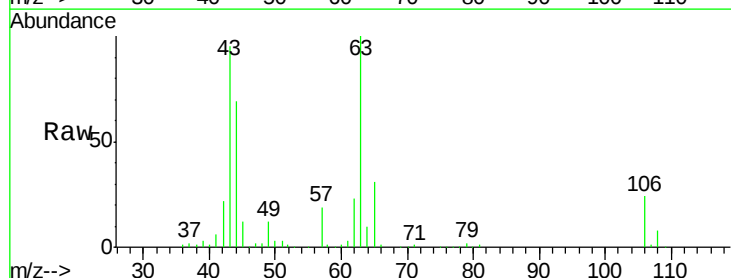
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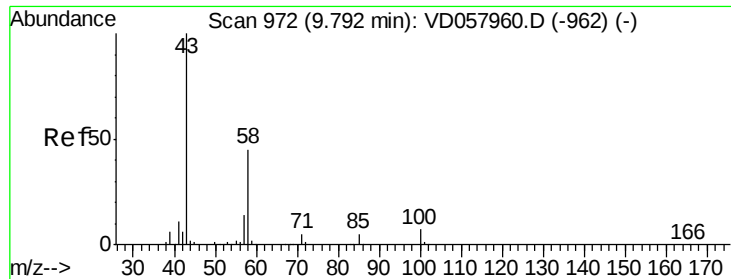
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#58
 2-Chloroethyl Vinyl ether
 Concen: 251.591 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 63 Resp: 859769
 Ion Ratio Lower Upper
 63 100
 106 24.3 18.7 28.1





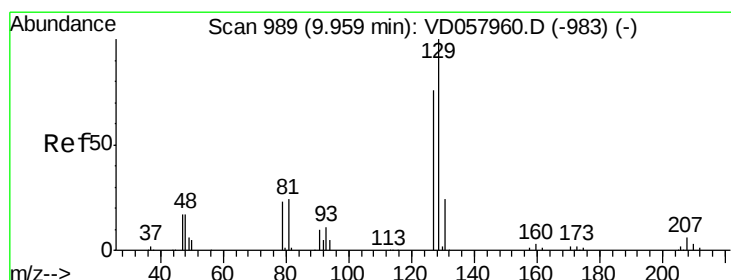
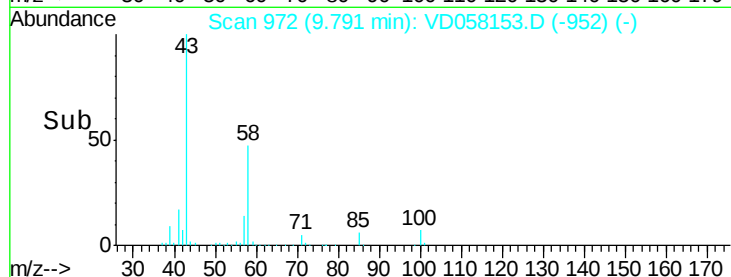
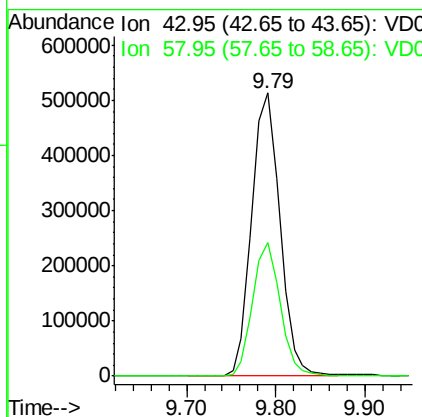
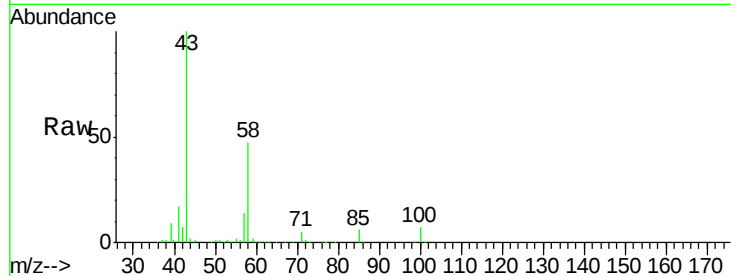
#59
2-Hexanone
Concen: 263.542 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1125143
Ion Ratio Lower Upper
43 100
58 47.2 22.5 67.5

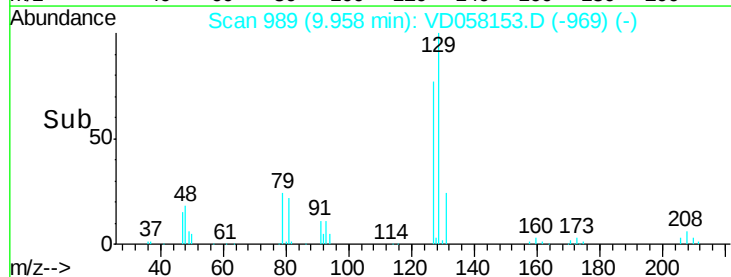
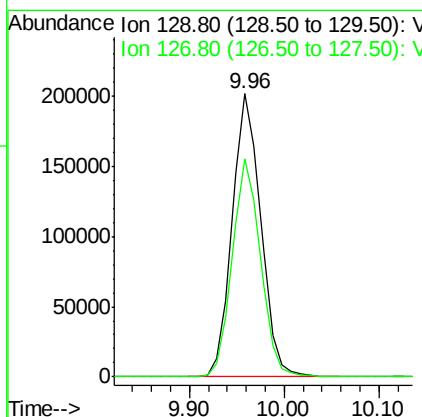
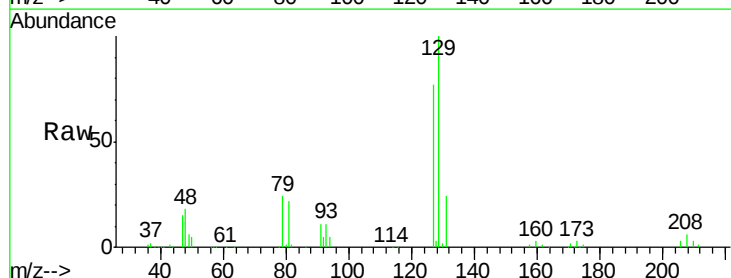
Manual Integrations
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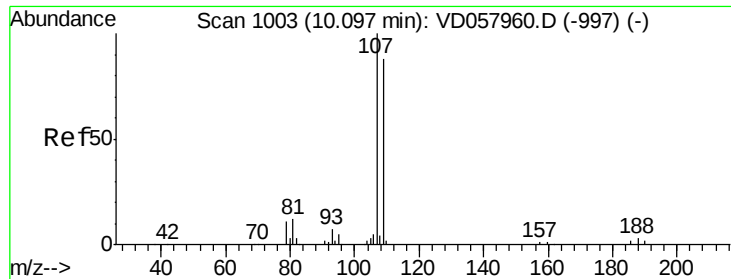
apatel
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#60
Dibromochloromethane
Concen: 54.306 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 129 Resp: 422271
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.091 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 317641

Ion Ratio Lower Upper

107 100

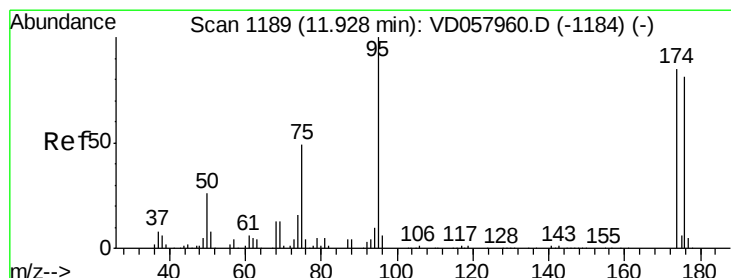
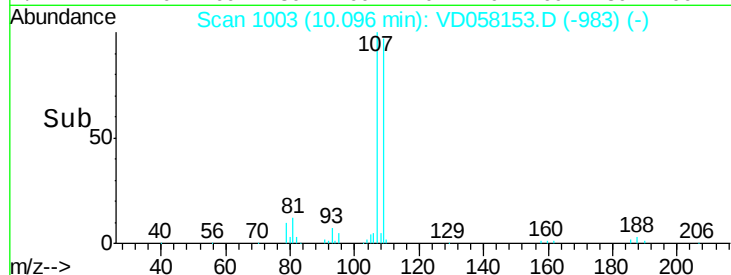
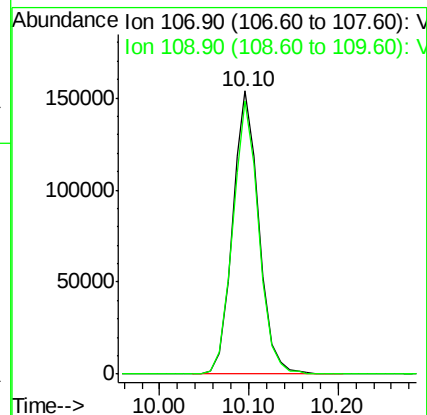
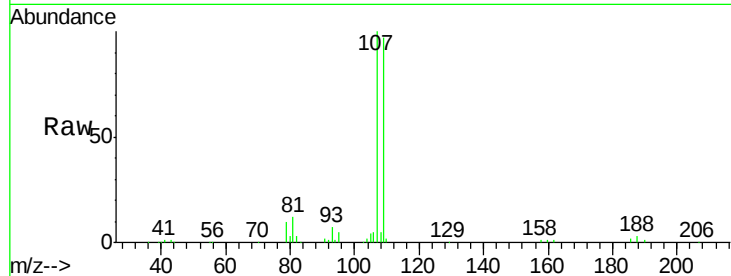
109 96.5 70.6 106.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.091 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

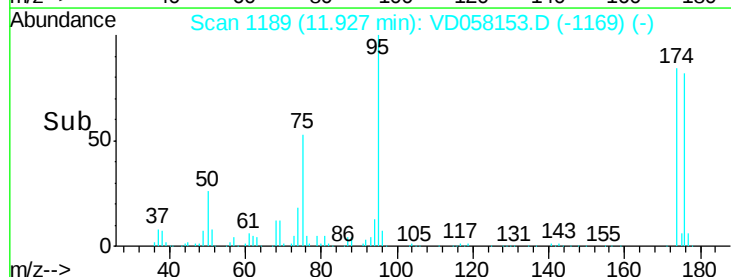
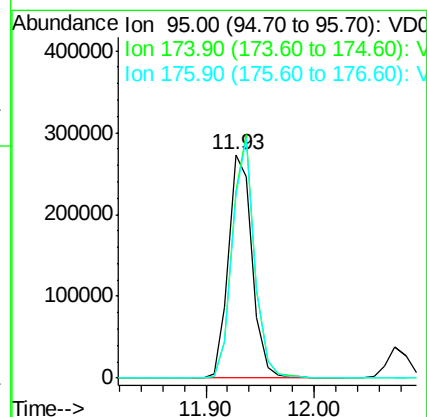
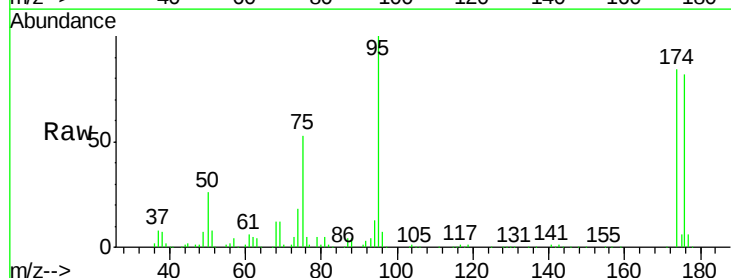
Tgt Ion: 95 Resp: 418434

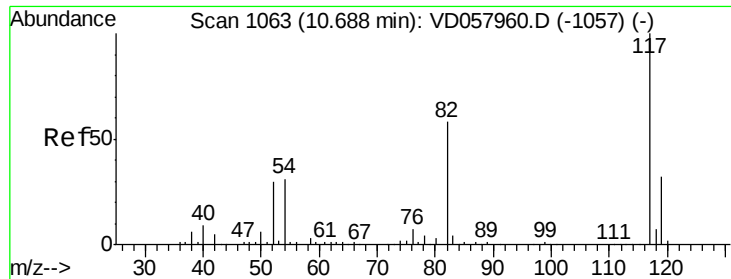
Ion Ratio Lower Upper

95 100

174 83.8 0.0 169.4

176 82.3 0.0 162.6





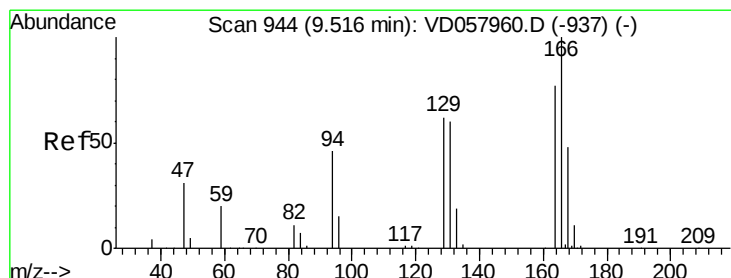
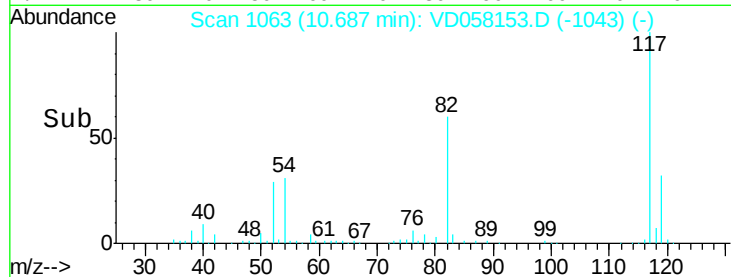
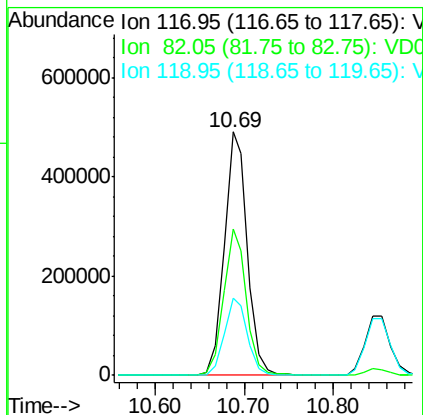
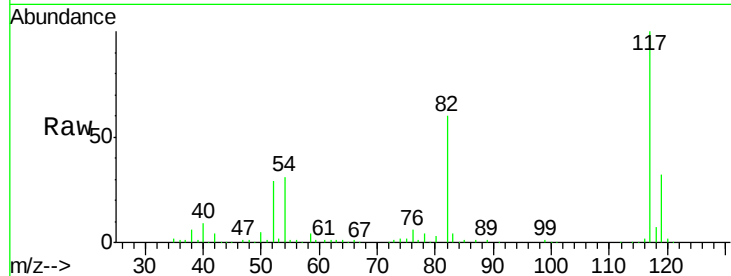
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.8	70.2
119	31.9	25.8	38.6

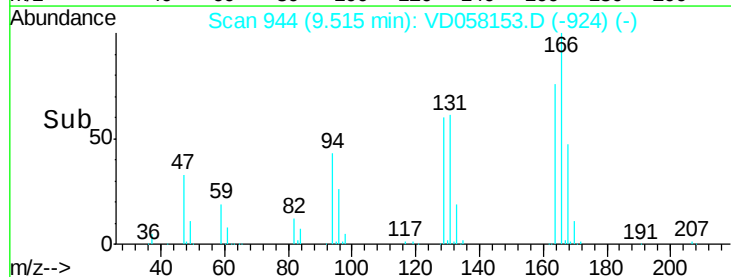
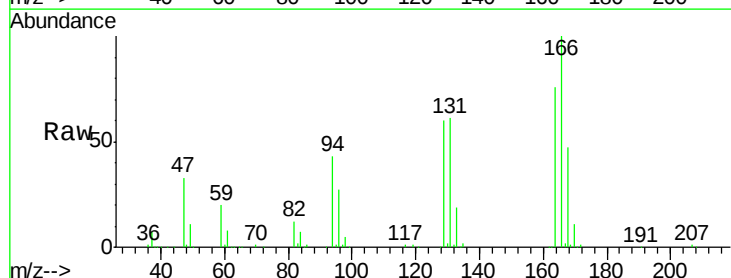
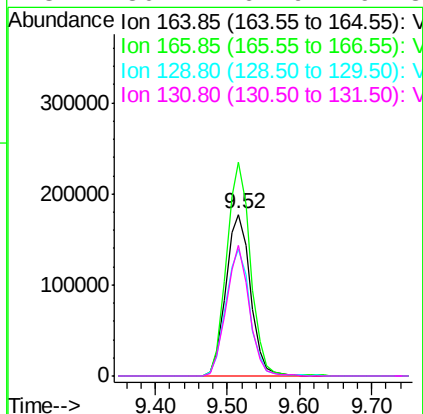
Manual Integrations
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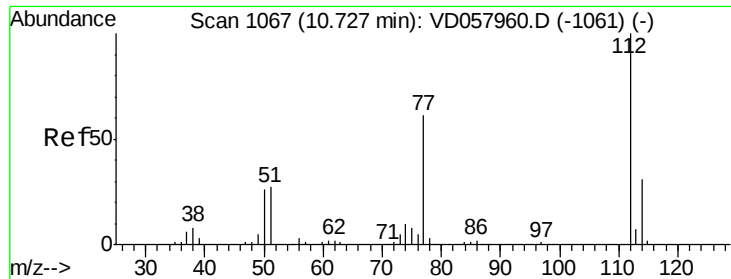
apatel
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#64
Tetrachloroethene
Concen: 52.650 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	104.4	156.6
129	78.6	65.0	97.6
131	80.7	62.9	94.3





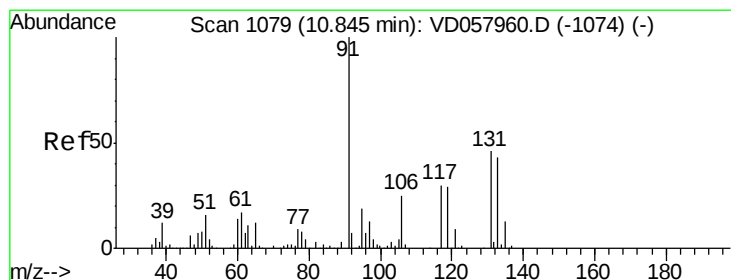
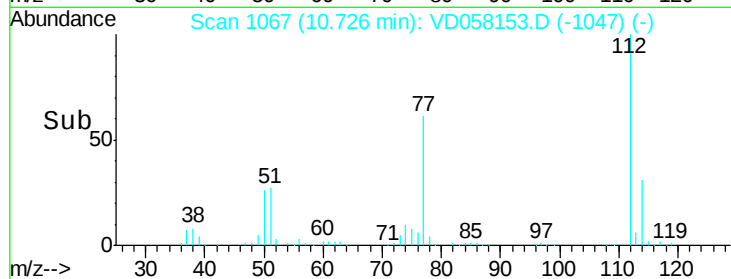
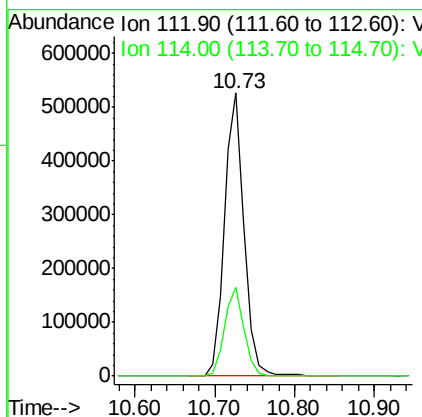
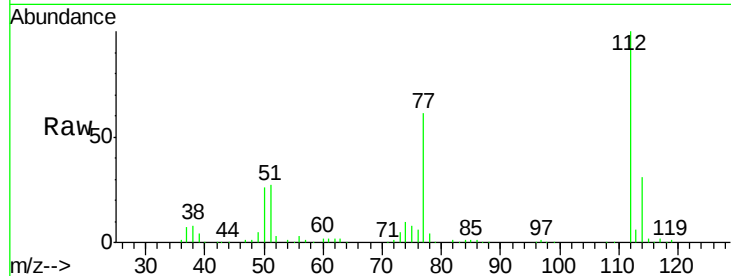
#65
Chlorobenzene
Concen: 50.522 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.9	37.3

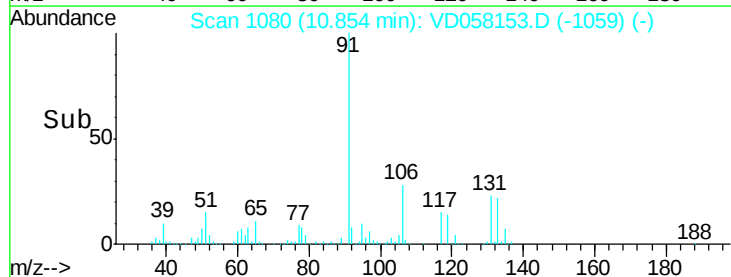
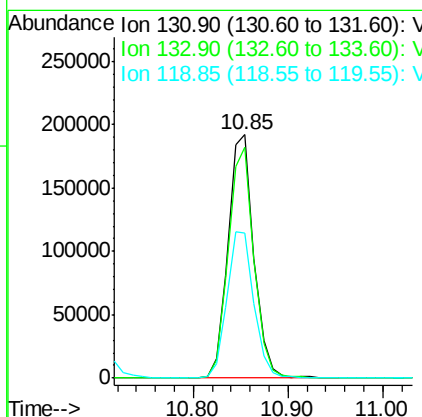
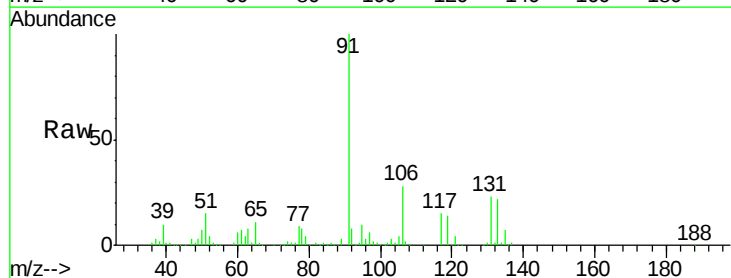
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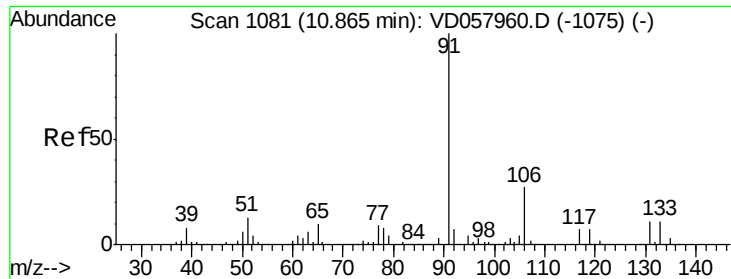
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.188 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	46.9	140.6
119	59.8	31.8	95.3





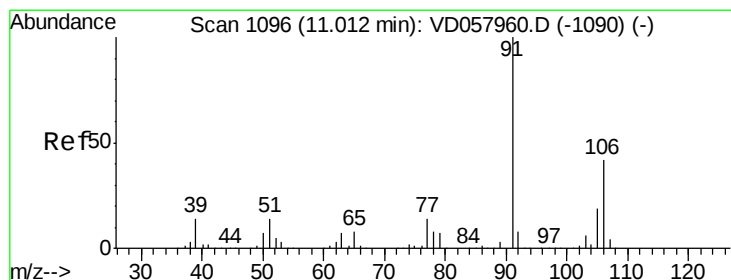
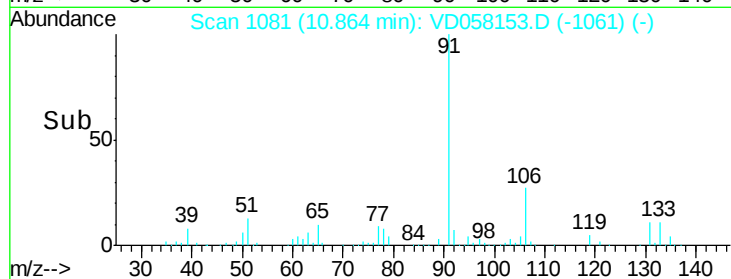
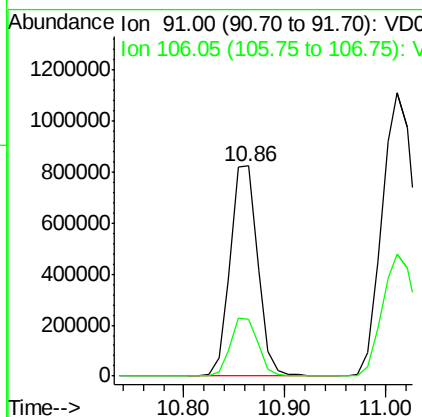
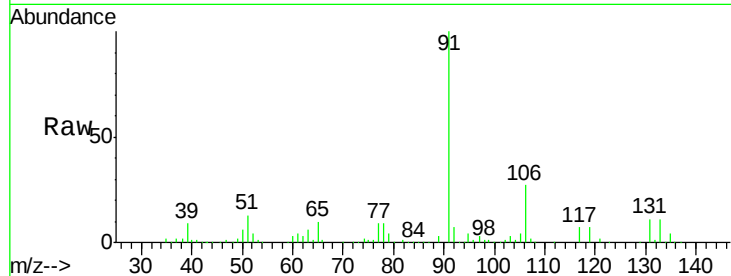
#67
Ethyl Benzene
Concen: 48.000 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1561774
Ion Ratio Lower Upper
91 100
106 27.2 21.5 32.3

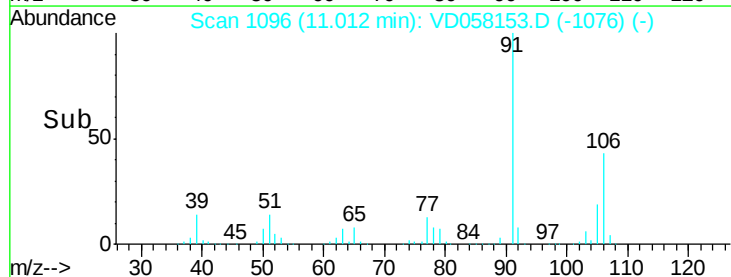
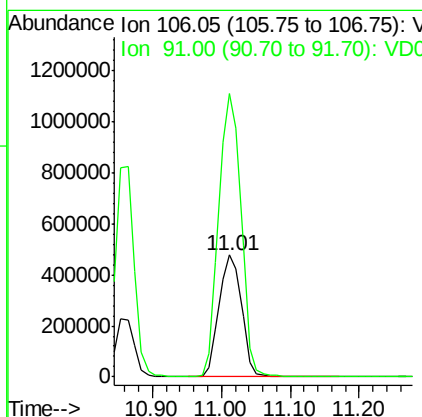
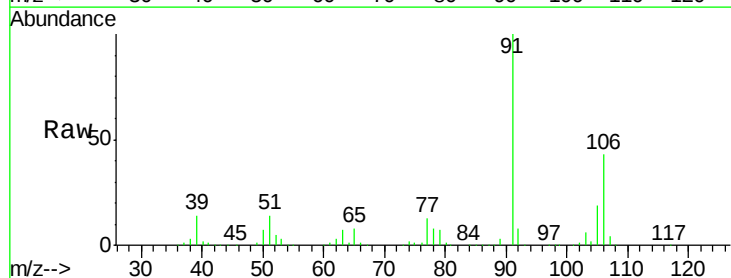
Manual Integrations
APPROVED

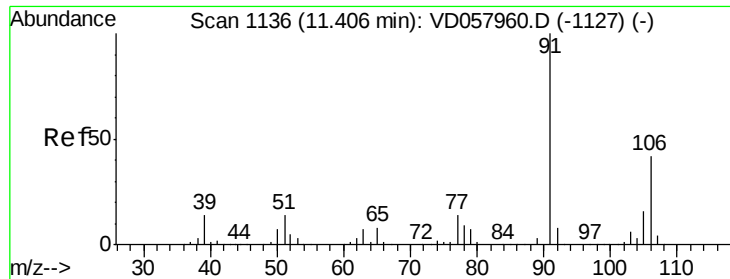
apatel
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#68
m/p-Xylenes
Concen: 101.916 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 106 Resp: 1081025
Ion Ratio Lower Upper
106 100
91 232.5 190.4 285.6





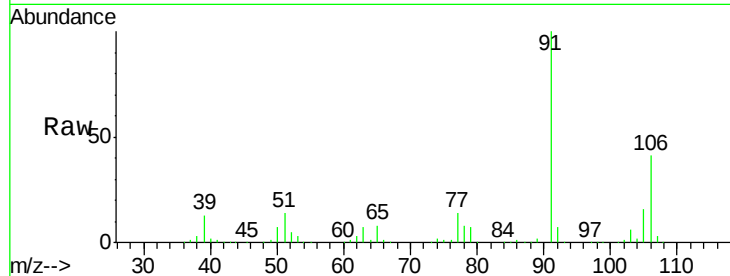
#69
o-Xylene
Concen: 51.666 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

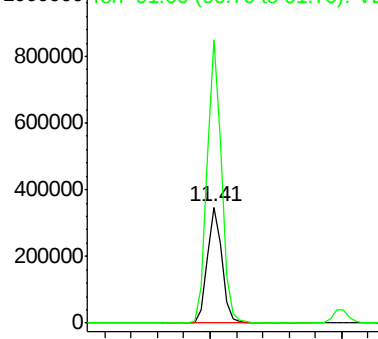
Tot Ion:106 Resp: 543969
Ion Ratio Lower Upper
106 100
91 244.2 120.6 361.7

Manual Integrations
APPROVED

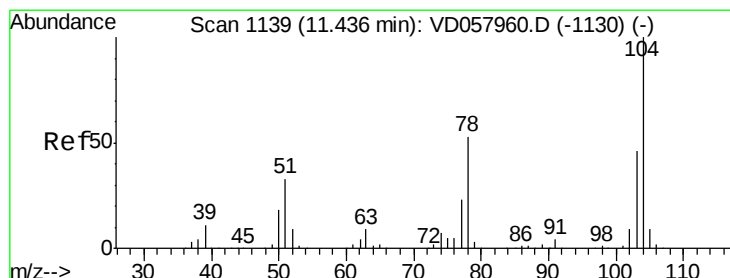
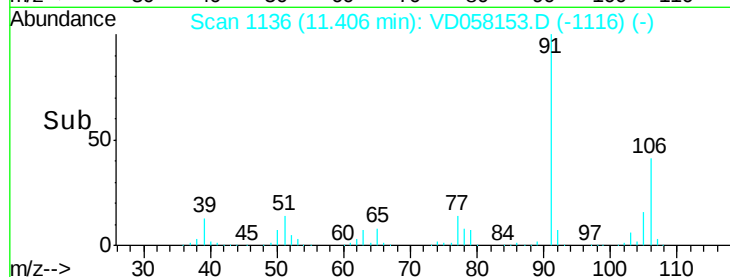
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

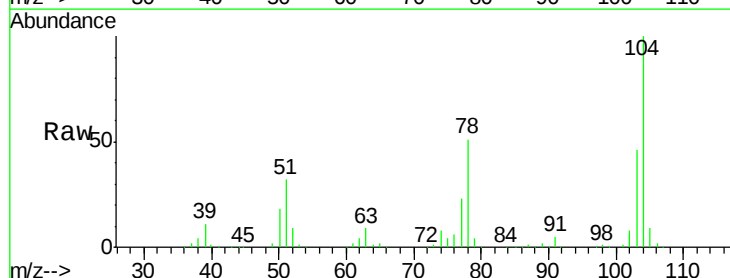


Time-->

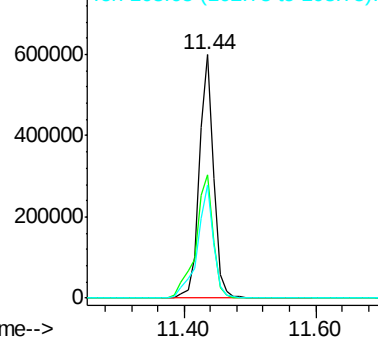


#70
Styrene
Concen: 52.113 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

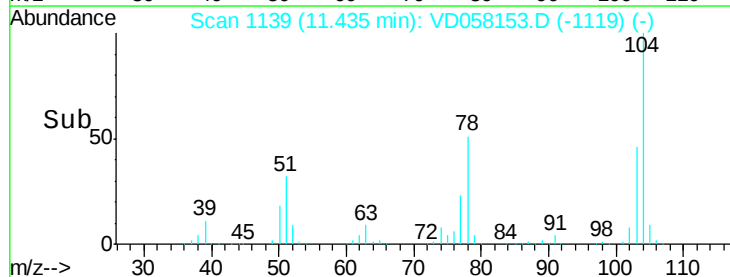
Tgt Ion:104 Resp: 908302
Ion Ratio Lower Upper
104 100
78 50.7 42.1 63.1
103 46.4 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





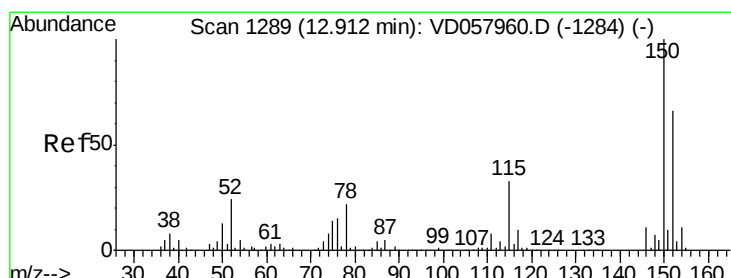
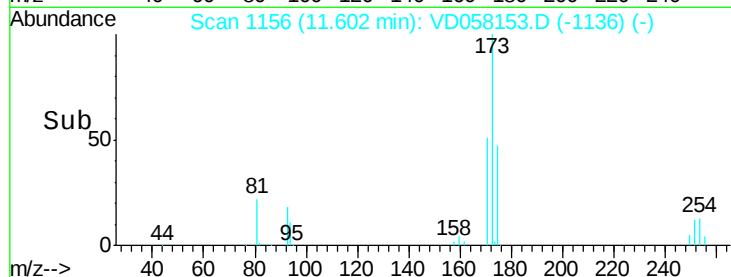
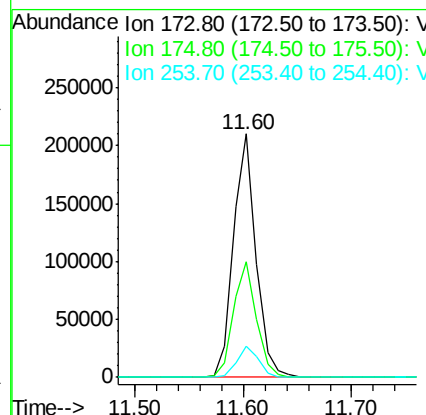
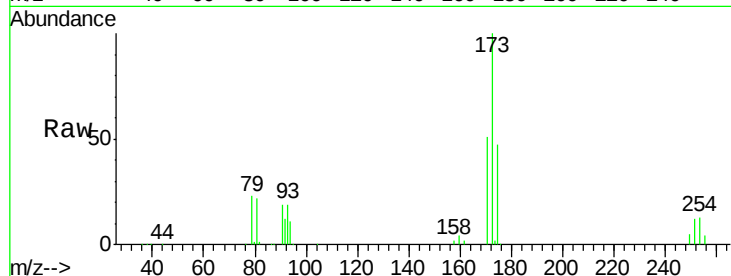
#71
Bromoform
Concen: 58.271 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	25.1	75.2
254	12.5	10.7	16.1

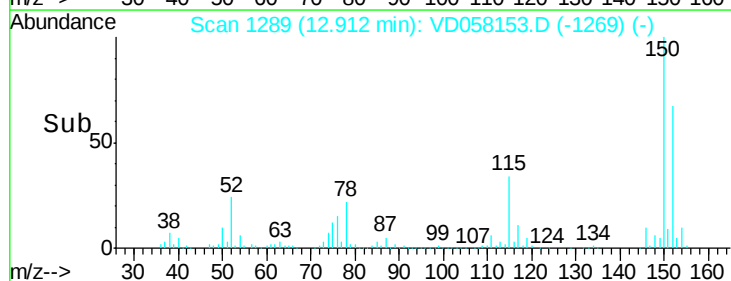
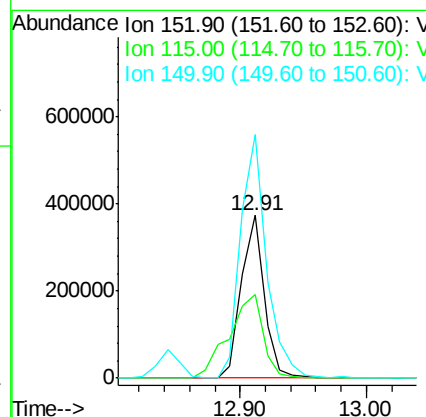
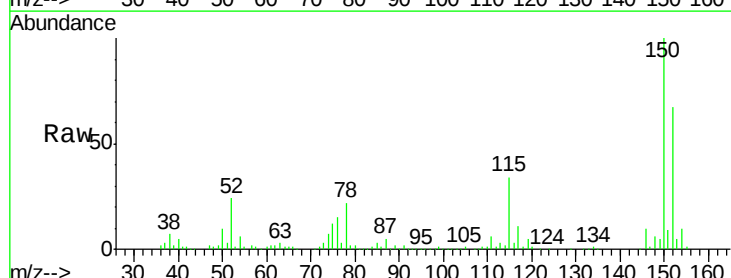
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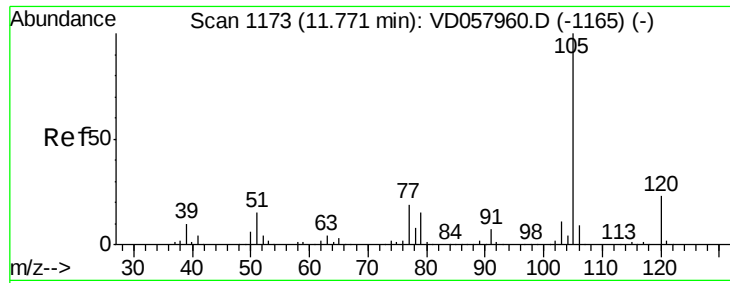
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.2	25.6	76.6
150	149.6	0.0	306.8





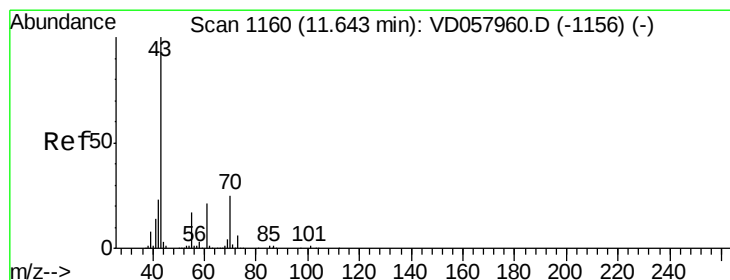
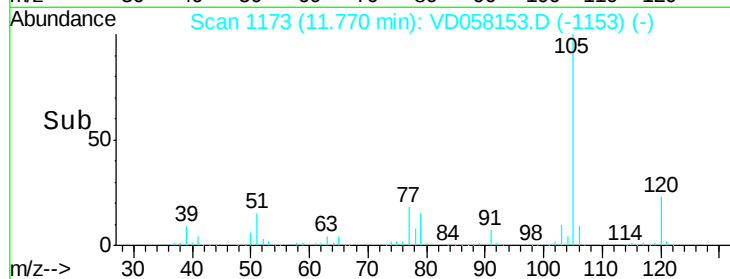
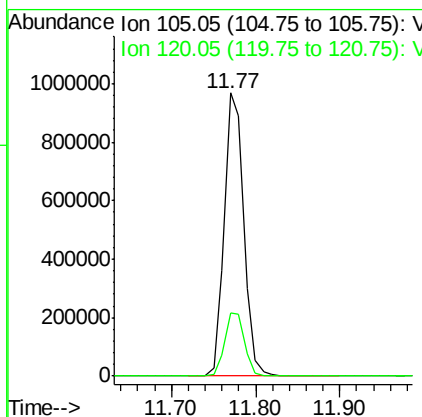
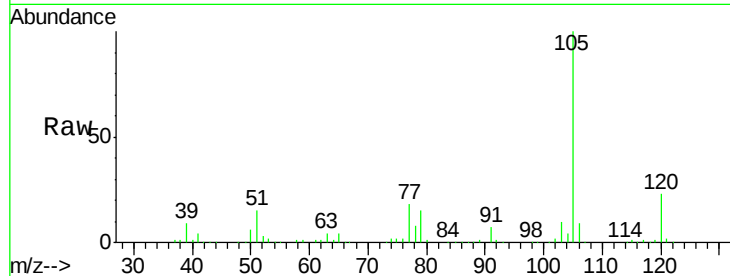
#73
Isopropylbenzene
Concen: 50.199 ug/l
RT: 11.77 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1558556
Ion Ratio Lower Upper
105 100
120 22.5 11.3 33.9

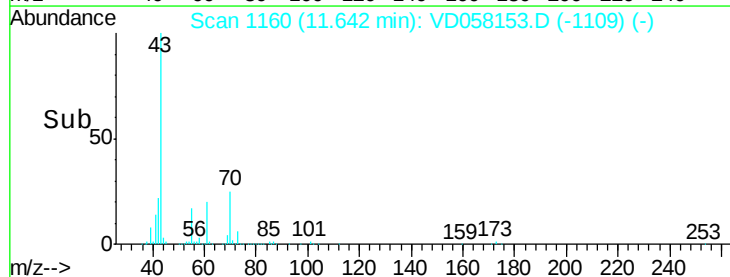
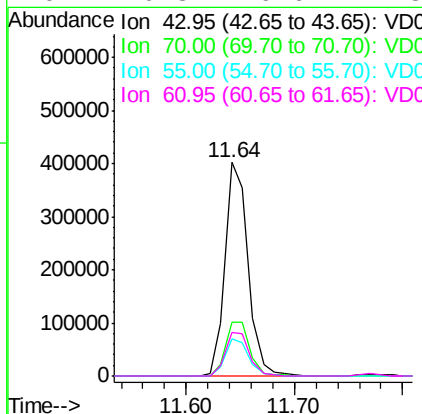
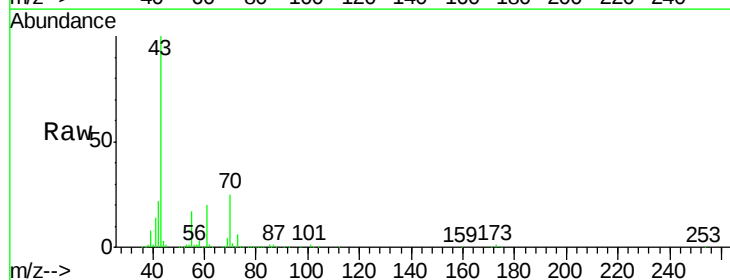
Manual Integrations
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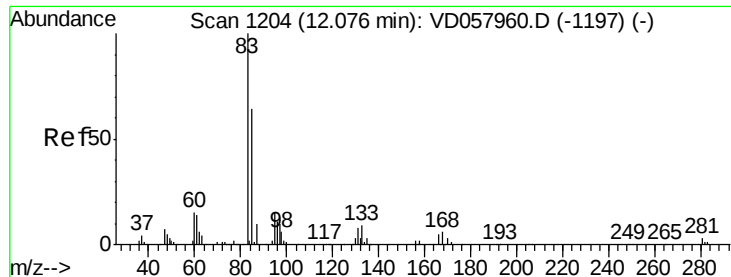
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#74
N-ethyl acetate
Concen: 49.667 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 43 Resp: 595028
Ion Ratio Lower Upper
43 100
70 25.0 20.3 30.5
55 17.4 13.9 20.9
61 20.3 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.622 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 349439
Ion Ratio Lower Upper

83 100

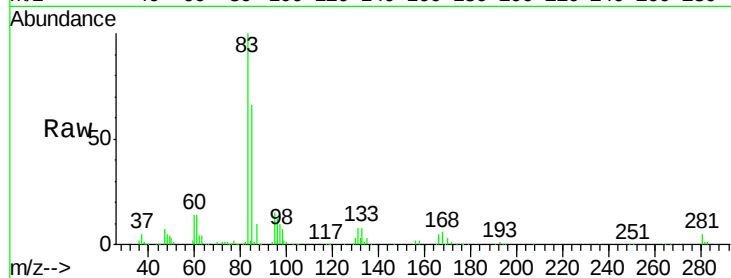
131 7.8 4.2 12.6

85 66.4 31.9 95.5

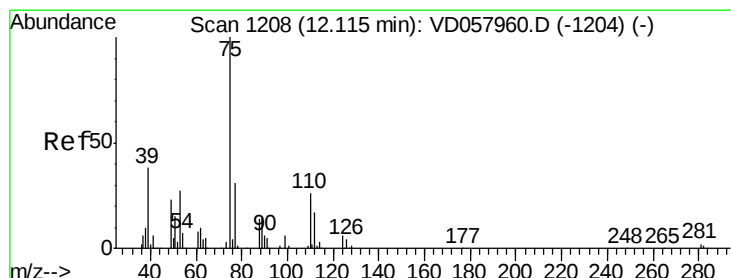
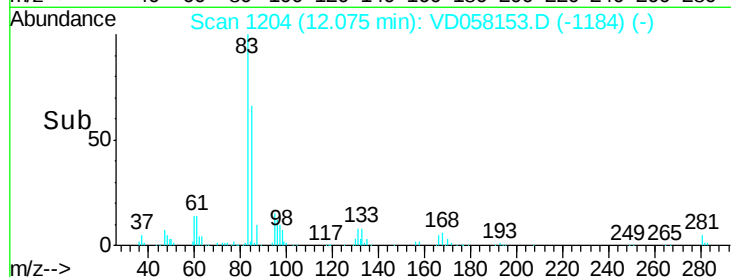
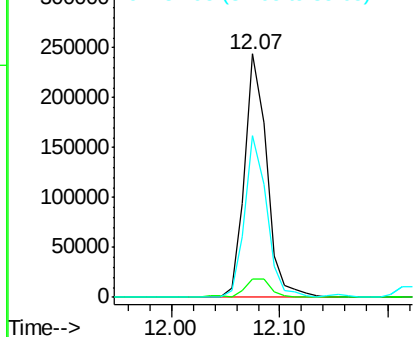
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.895 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

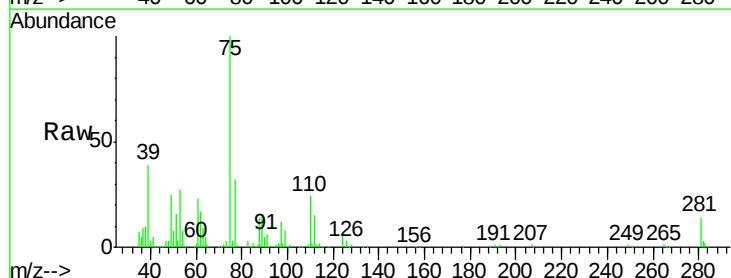
Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

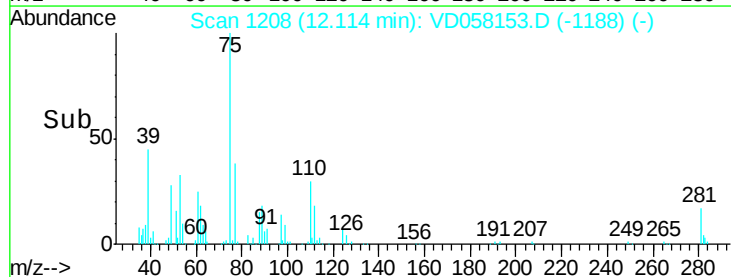
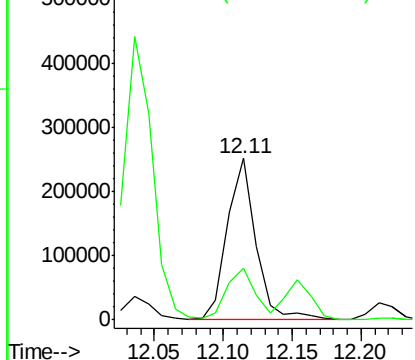
Tgt Ion: 75 Resp: 365410
Ion Ratio Lower Upper

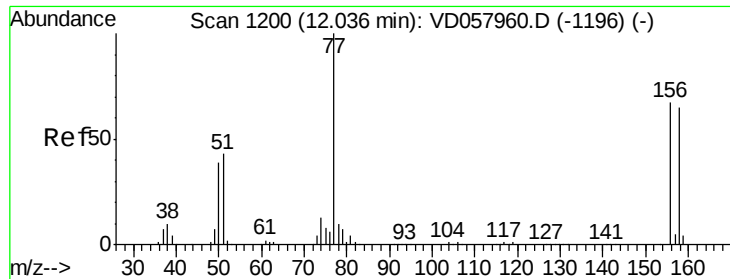
75 100

77 31.8 16.7 50.1



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





#77

Bromobenzene

Concen: 50.904 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

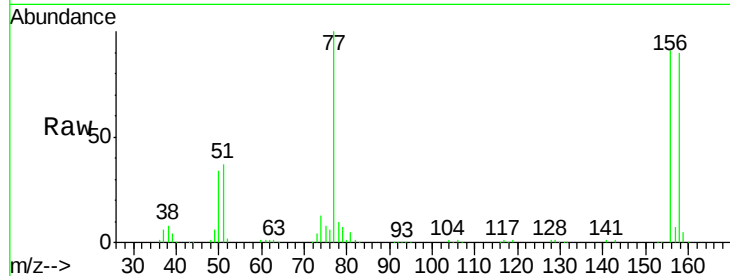
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	109.8	75.0	224.8	
158	99.0	48.6	145.9	

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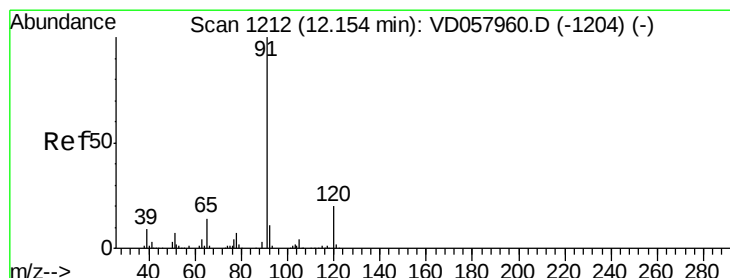
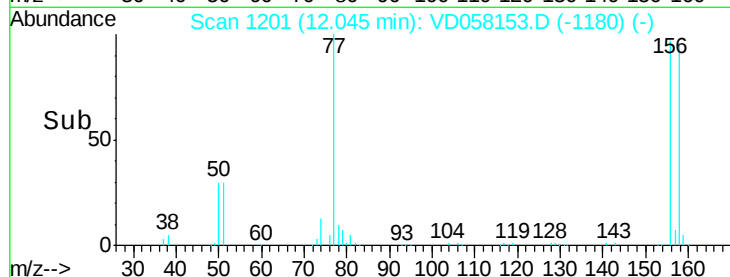
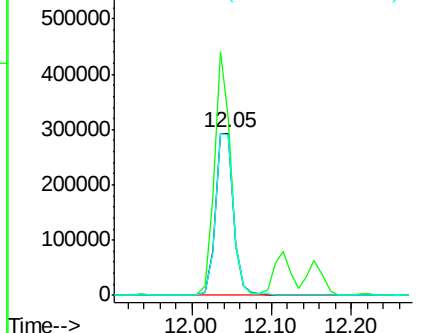
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.768 ug/l

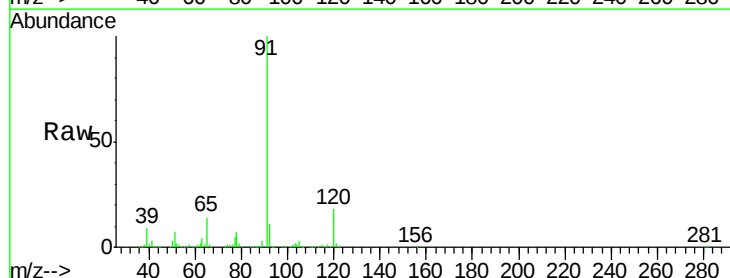
RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058153.D

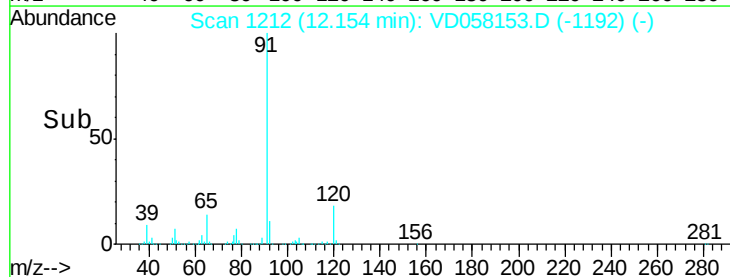
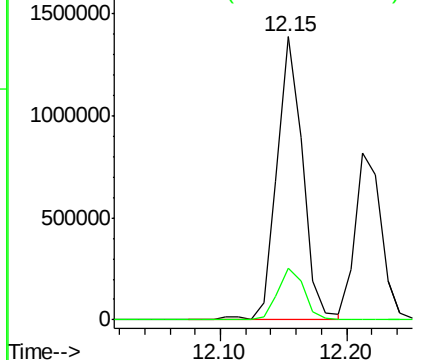
Acq: 15 Jun 2018 15:17

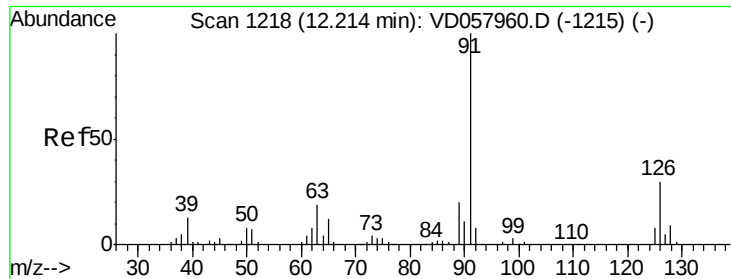
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	18.3	9.8	29.4	



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





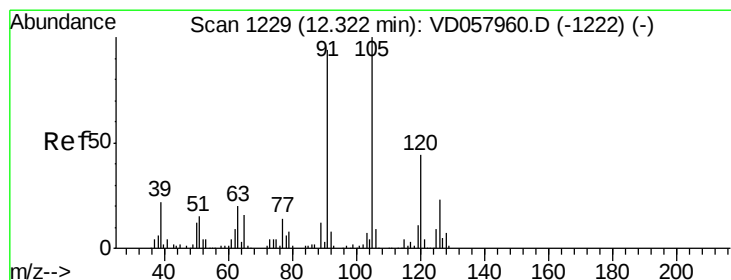
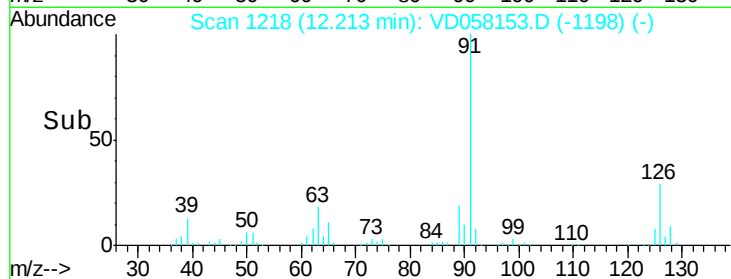
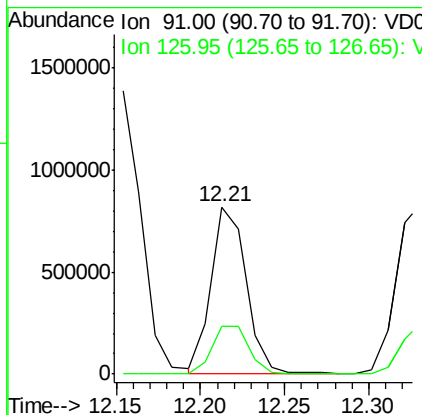
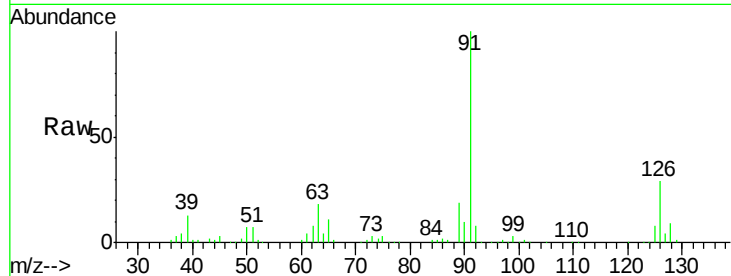
#79
 2-Chlorotoluene
 Concen: 51.060 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1176850
 Ion Ratio Lower Upper
 91 100
 126 28.6 14.6 44.0

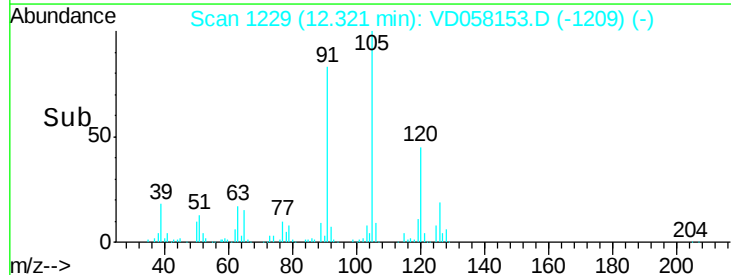
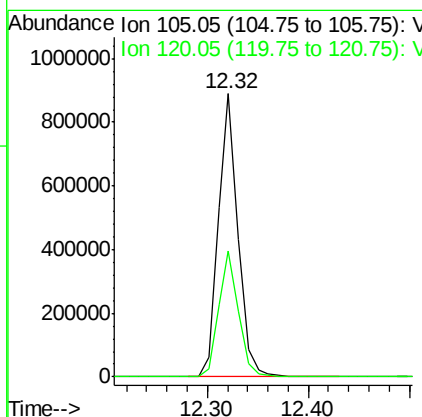
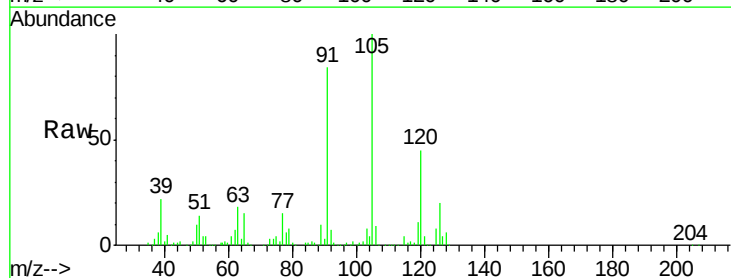
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.894 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion: 105 Resp: 1208076
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.0 66.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.260 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

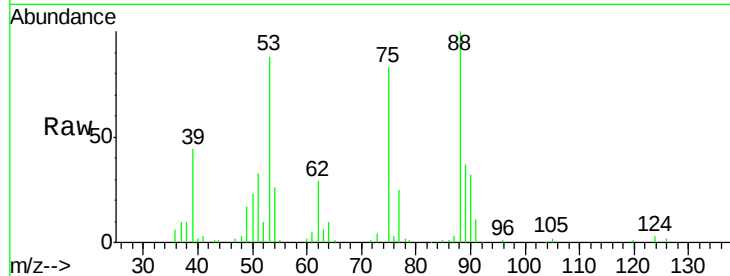
ClientSampleId :

VSTDCCC050

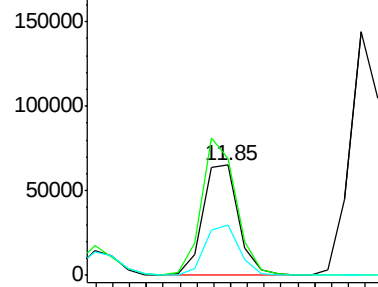
Tot Ion:	75	Resp:	96375
Ion	Ratio	Lower	Upper
75	100		
53	105.9	89.3	133.9
89	45.0	33.3	49.9

Manual Integrations
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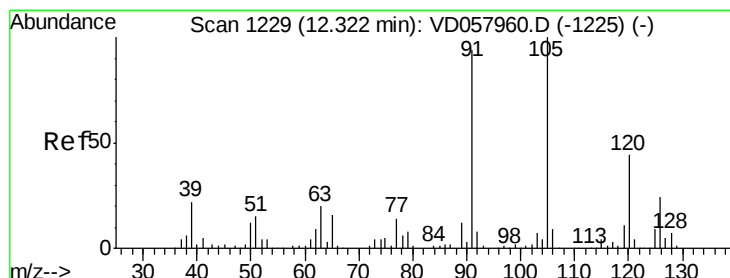
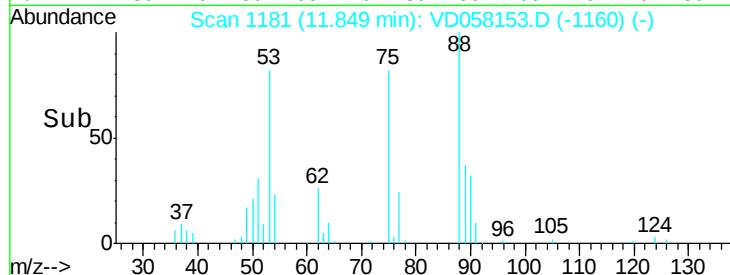
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



Time-->



#82

4-Chlorotoluene

Concen: 56.533 ug/l

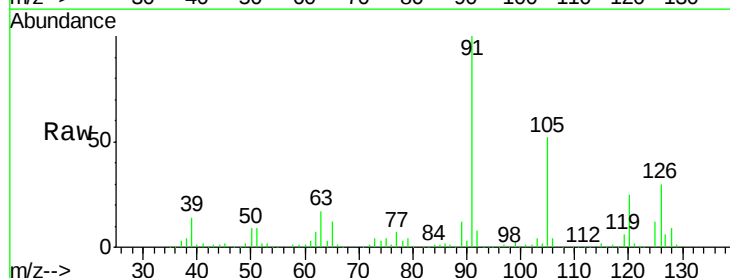
RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

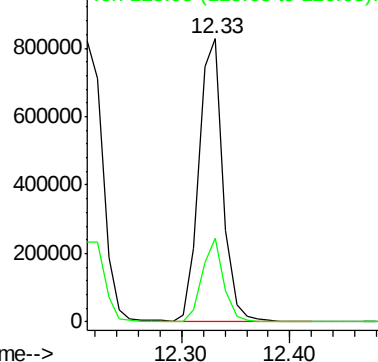
Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

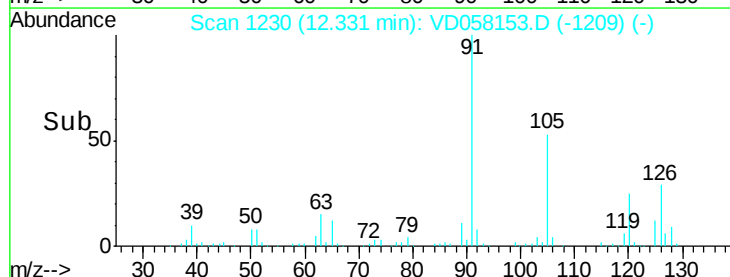
Tgt Ion:	91	Resp:	1257860
Ion	Ratio	Lower	Upper
91	100		
126	29.5	12.5	37.5

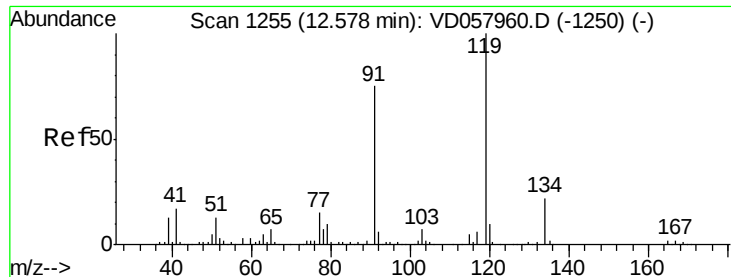


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V



Time-->





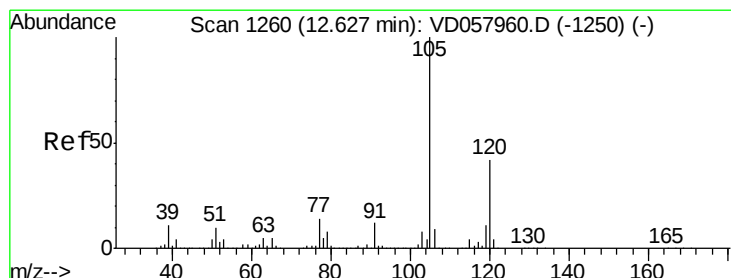
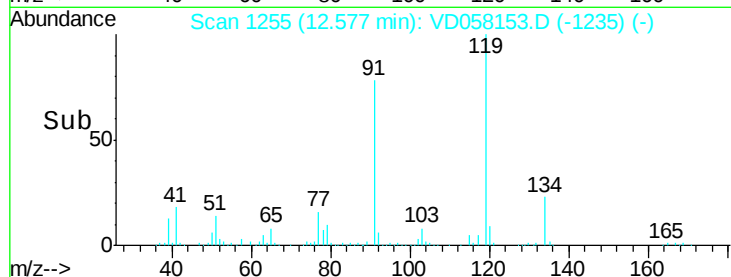
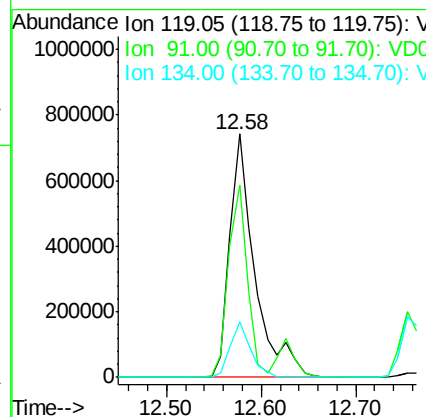
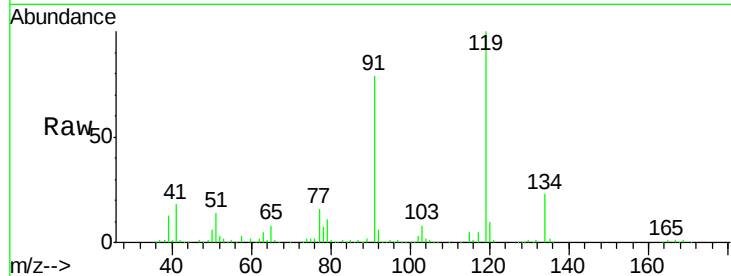
#83
 tert-Butylbenzene
 Concen: 49.866 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1363350
 Ion Ratio Lower Upper
 119 100
 91 78.9 37.6 112.9
 134 22.6 11.2 33.5

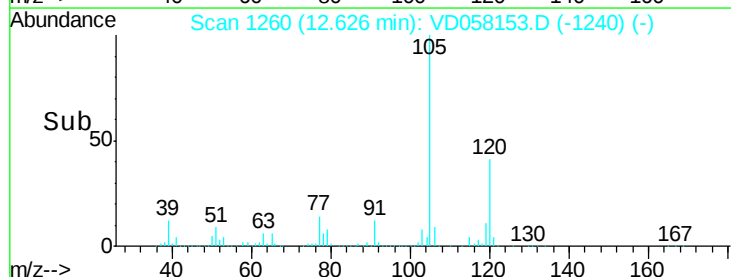
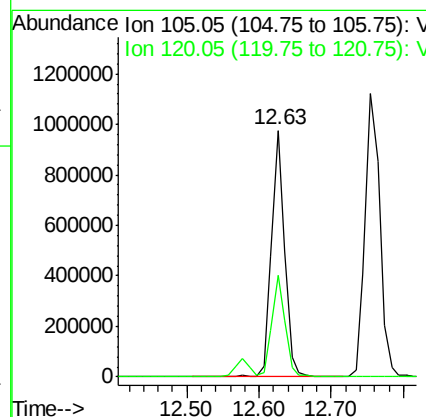
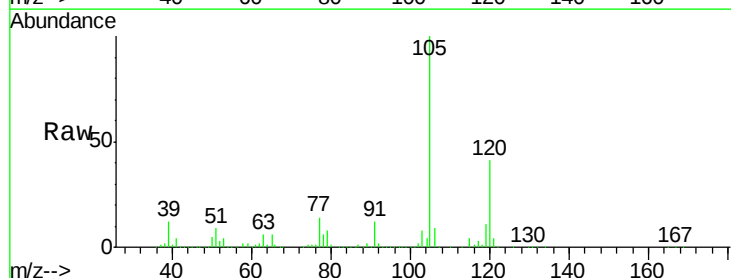
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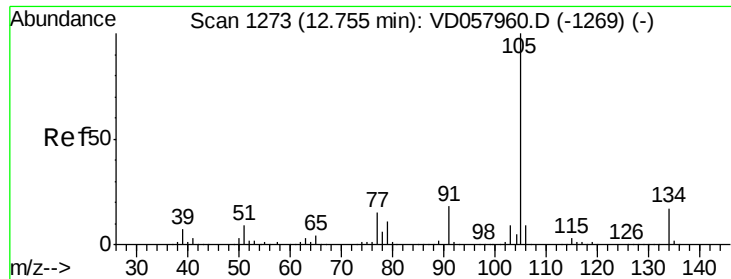
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.498 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion:105 Resp: 1262593
 Ion Ratio Lower Upper
 105 100
 120 41.2 21.2 63.6





#85

sec-Butylbenzene

Concen: 47.761 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1575910

Ion Ratio Lower Upper

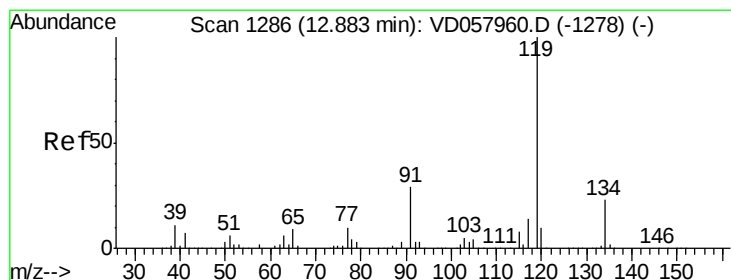
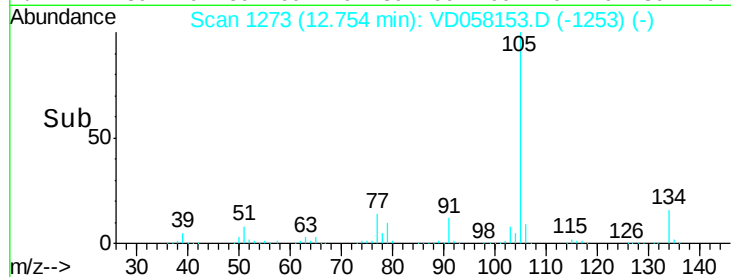
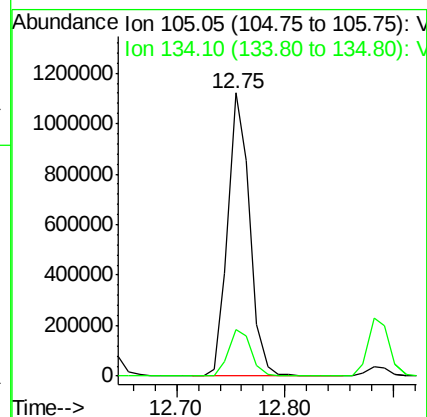
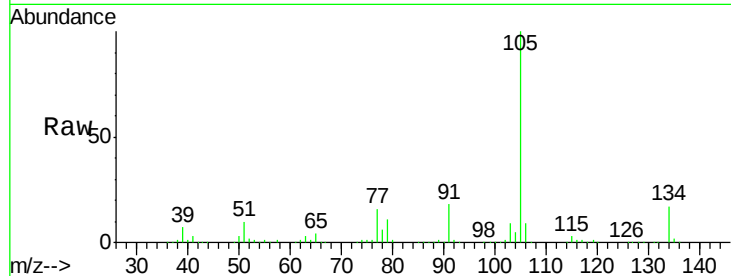
105 100

134 16.7 8.3 25.1

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#86

p-Isopropyltoluene

Concen: 49.991 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD058153.D

Acq: 15 Jun 2018 15:17

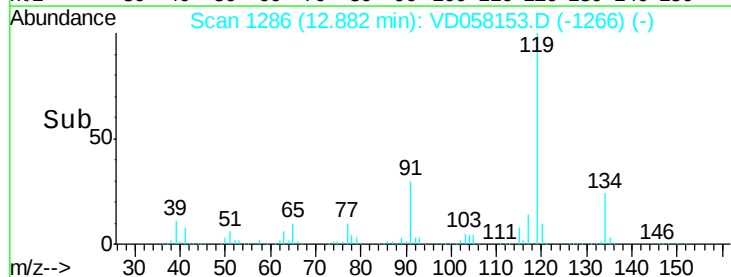
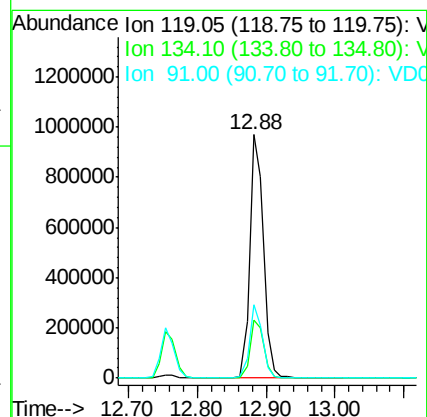
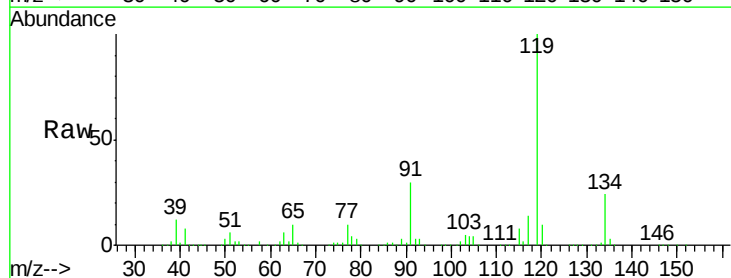
Tgt Ion:119 Resp: 1329449

Ion Ratio Lower Upper

119 100

134 23.7 11.5 34.4

91 30.2 14.5 43.6





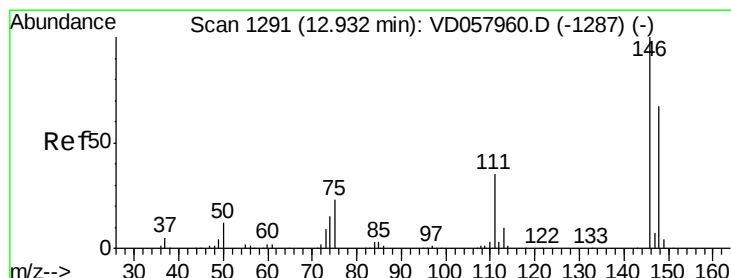
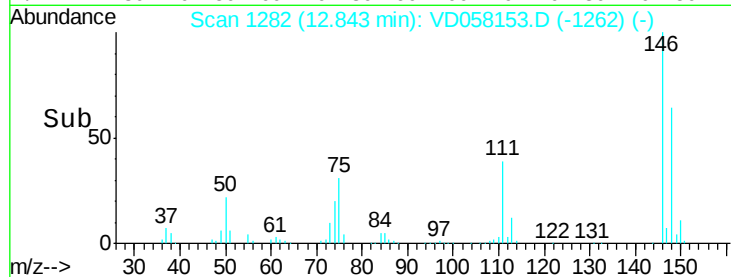
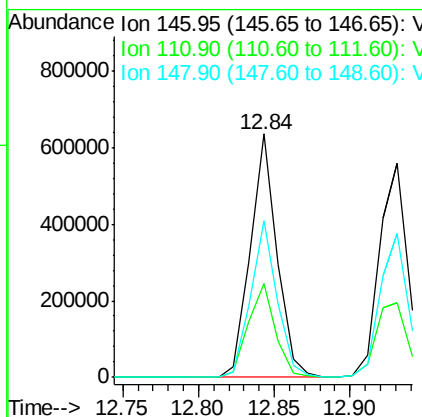
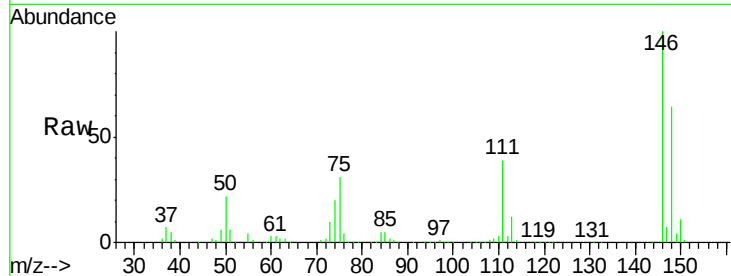
#87
 1,3-Dichlorobenzene
 Concen: 50.206 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	64.4	32.0	96.2

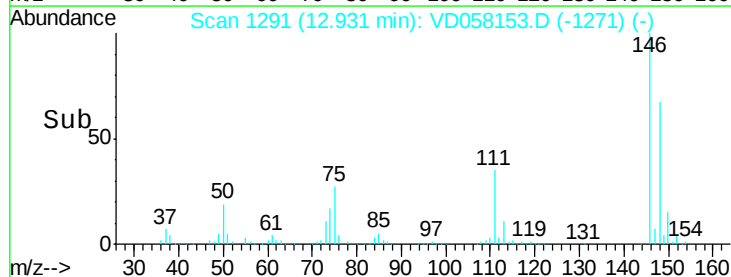
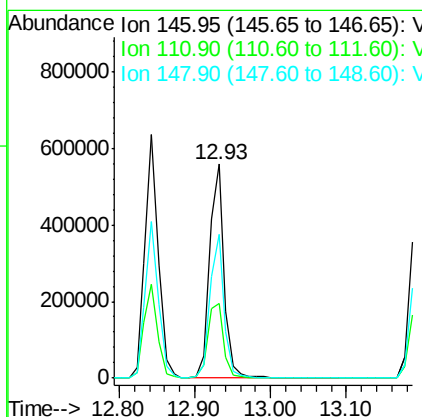
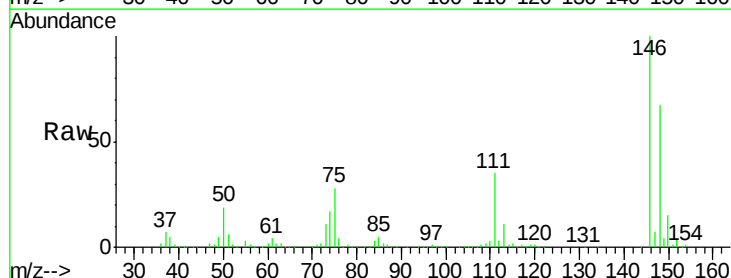
Manual Integrations
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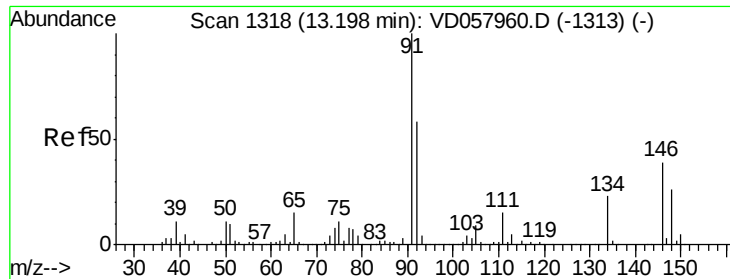
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#88
 1,4-Dichlorobenzene
 Concen: 49.417 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.3	52.0
148	67.0	33.4	100.2





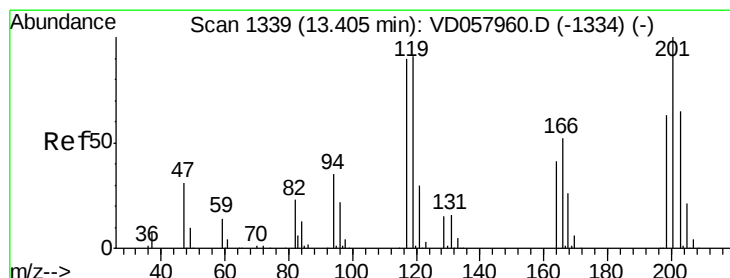
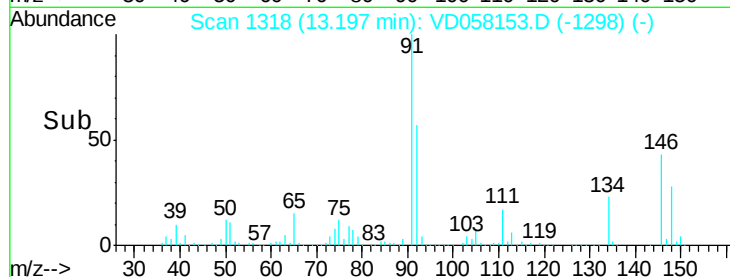
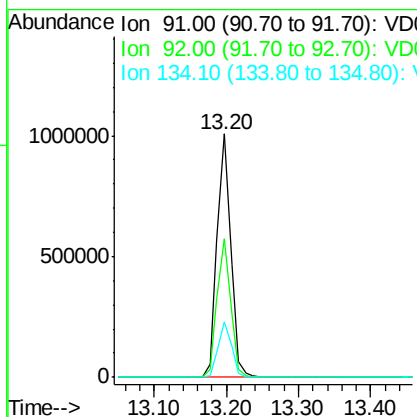
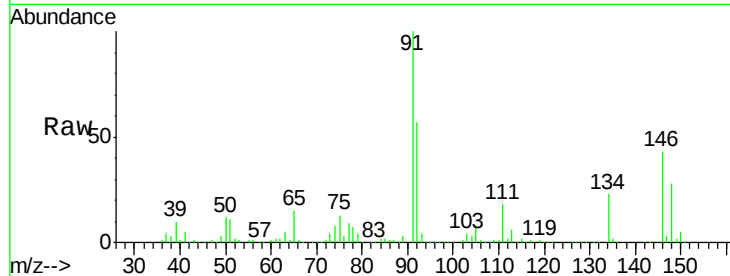
#89
n-Butylbenzene
Concen: 54.782 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1302292
Ion Ratio Lower Upper
91 100
92 57.2 29.2 87.6
134 22.8 11.3 33.9

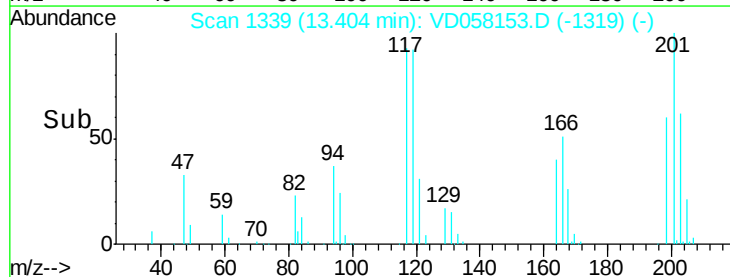
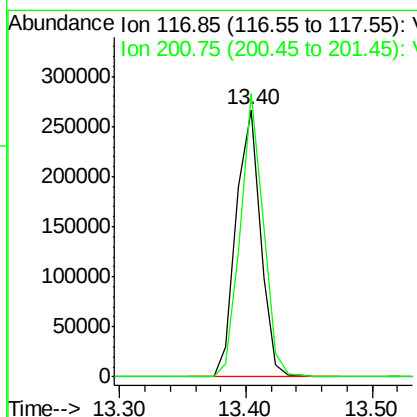
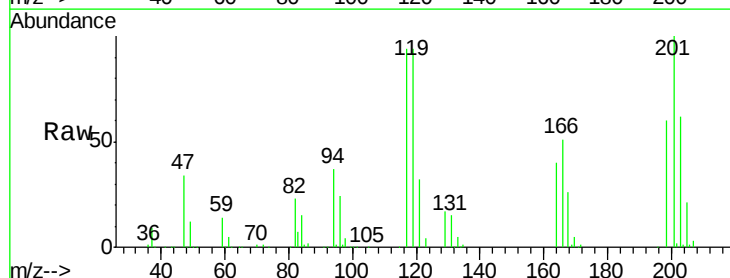
Manual Integrations
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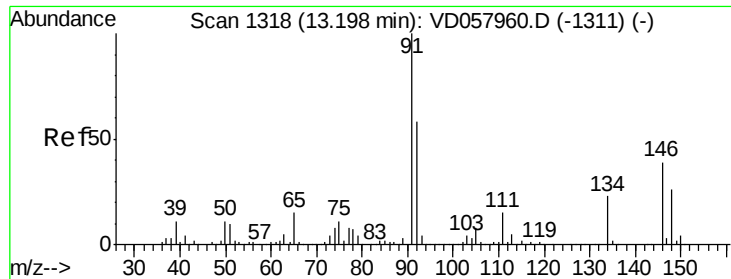
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#90
Hexachloroethane
Concen: 52.544 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion: 117 Resp: 356650
Ion Ratio Lower Upper
117 100
201 106.1 55.4 166.0





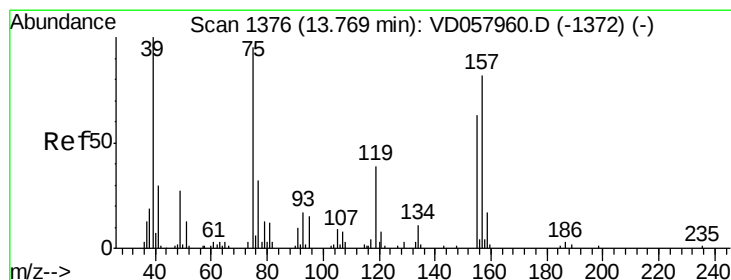
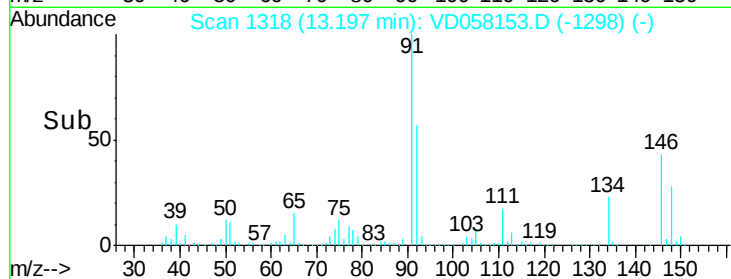
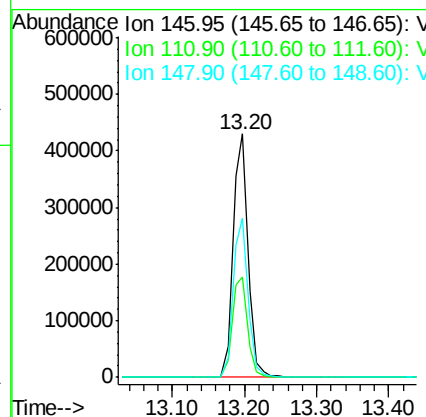
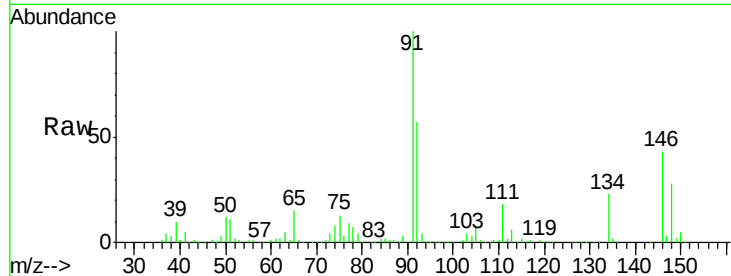
#91
 1,2-Dichlorobenzene
 Concen: 49.061 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	616371		
111	41.1	19.4	58.2	
148	65.6	32.6	98.0	

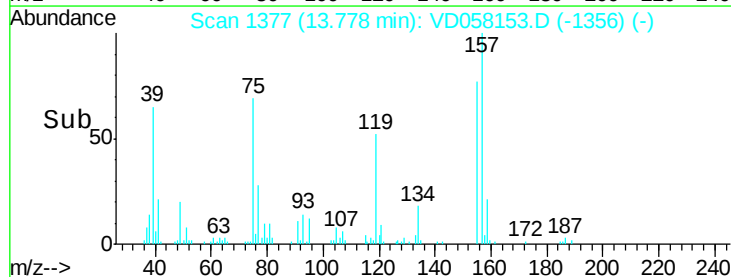
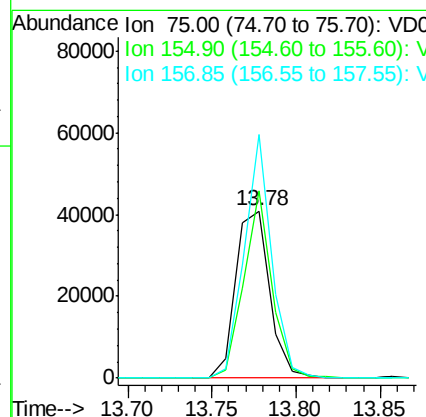
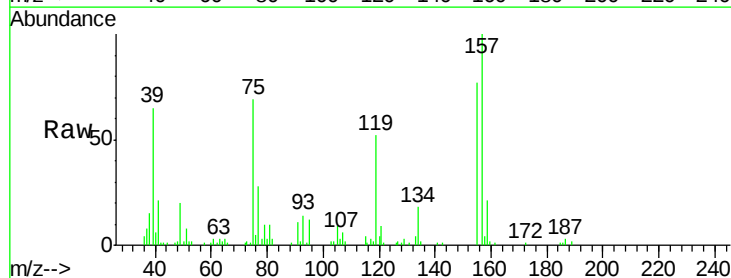
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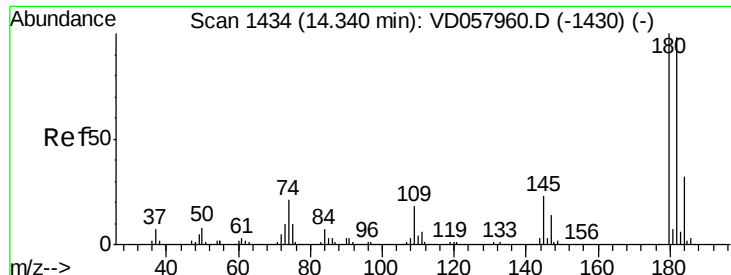
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.800 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57251		
155	112.0	33.4	100.1#	
157	145.9	42.9	128.5#	





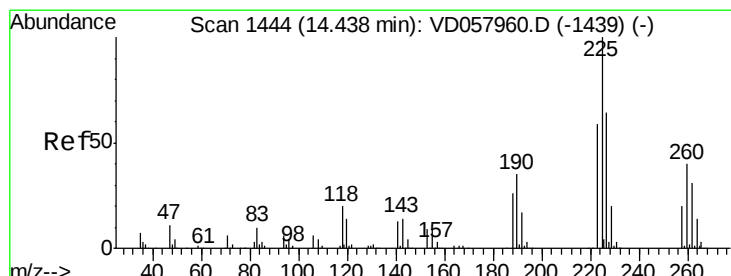
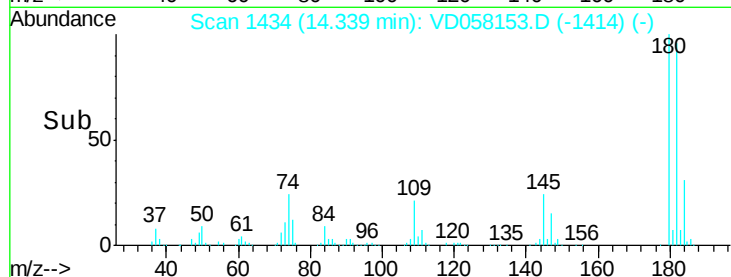
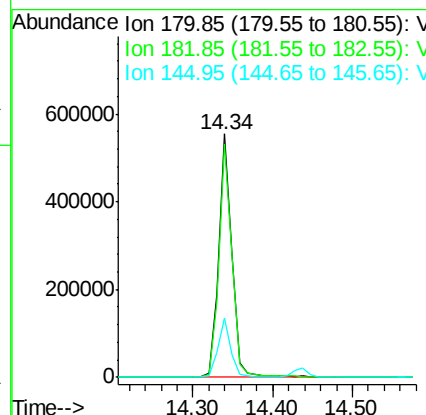
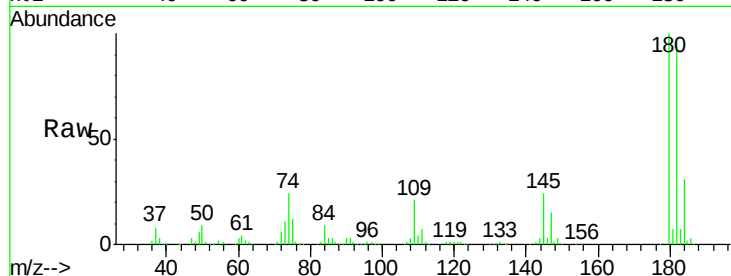
#93
 1,2,4-Trichlorobenzene
 Concen: 55.620 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.0	147.2
145	24.3	11.8	35.3

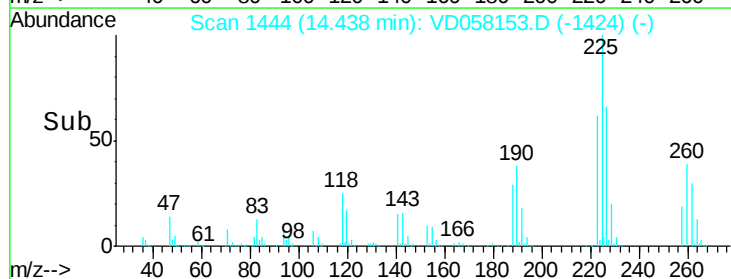
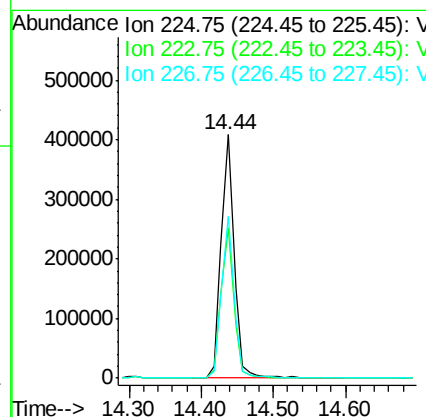
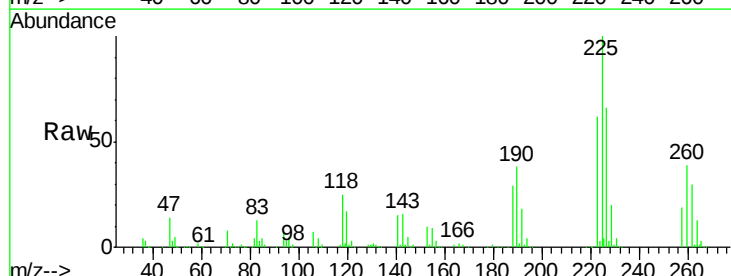
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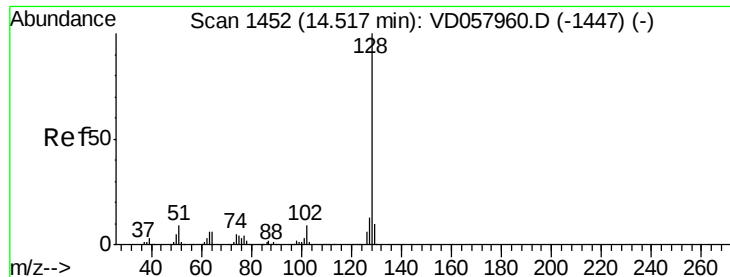
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#94
 Hexachlorobutadiene
 Concen: 54.801 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058153.D
 Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	29.5	88.6
227	66.5	32.0	96.0





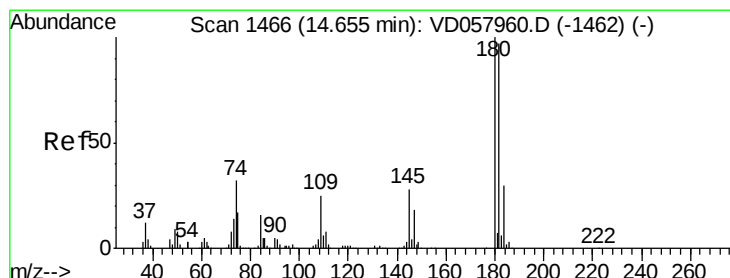
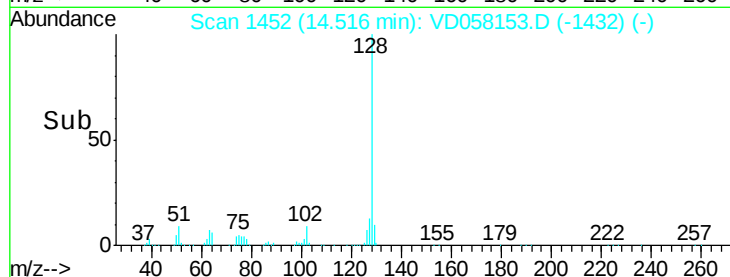
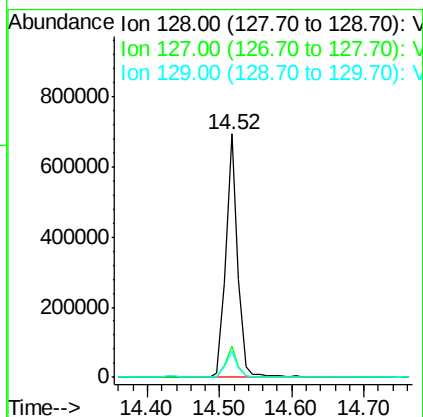
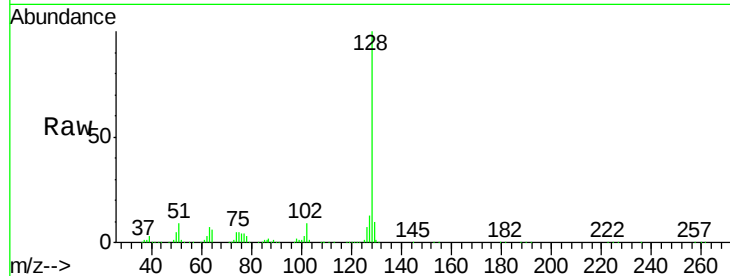
#95
Naphthalene
Concen: 51.999 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.4	8.2	12.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.582 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD058153.D
Acq: 15 Jun 2018 15:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	48.5	145.5
145	24.4	14.2	42.8

