

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092619\
 Data File : VD063840.D
 Acq On : 26 Sep 2019 16:25
 Operator : VA/SY
 Sample : MDL02
 Misc : 5.00µ/5.00mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Quant Time: Sep 27 18:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 18:19:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	213074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	338495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	321582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	156715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	103958	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.94	113	102901	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.36	98	422133	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.64	95	135170	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	3917	2.680	ug/l	73
3) Chloromethane	2.22	50	13222	2.986	ug/l	97
4) Vinyl Chloride	2.36	62	11878	2.628	ug/l	97
5) Bromomethane	2.79	94	8652	3.272	ug/l	91
6) Chloroethane	2.94	64	8305	2.668	ug/l #	80
7) Trichlorofluoromethane	3.29	101	18202	2.996	ug/l	99
8) Diethyl Ether	3.73	74	2855	2.882	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.12	101	5149	2.857	ug/l #	17
10) Methyl Iodide	4.31	142	5321	2.473	ug/l #	94
11) Tert butyl alcohol	5.27	59	249	1.591	ug/l #	53
12) 1,1-Dichloroethene	4.07	96	4737	2.603	ug/l #	64
13) Acrolein	3.94	56	2448	12.862	ug/l	89
14) Allyl chloride	4.76	41	9368	3.257	ug/l #	18
15) Acrylonitrile	5.46	53	5796	13.242	ug/l #	90
16) Acetone	4.18	43	8242	18.301	ug/l #	86
17) Carbon Disulfide	4.41	76	14760	2.400	ug/l #	92
18) Methyl Acetate	4.77	43	4020	3.625	ug/l	96
19) Methyl tert-butyl Ether	5.51	73	11778	2.586	ug/l	92
20) Methylene Chloride	4.99	84	12978	4.790	ug/l #	93
21) trans-1,2-Dichloroethene	5.49	96	6455	3.048	ug/l	90
22) Diisopropyl ether	6.40	45	14566	2.452	ug/l #	88
23) Vinyl Acetate	6.34	43	43505	12.383	ug/l	95
24) 1,1-Dichloroethane	6.29	63	9621	2.666	ug/l #	81
25) 2-Butanone	7.25	43	9416	15.993	ug/l #	68
26) 2,2-Dichloropropane	7.24	77	9926	2.941	ug/l	90
27) cis-1,2-Dichloroethene	7.23	96	6036	2.540	ug/l	88
28) Bromochloromethane	7.58	49	4024	2.842	ug/l #	82
29) Tetrahydrofuran	7.61	42	5480	15.534	ug/l #	42
30) Chloroform	7.73	83	11142	2.843	ug/l	92
31) Cyclohexane	8.00	56	13733	3.812	ug/l #	76
32) 1,1,1-Trichloroethane	7.93	97	9229	2.604	ug/l	93
36) 1,1-Dichloropropene	8.13	75	8271	2.679	ug/l	97
37) Ethyl Acetate	7.33	43	3545	2.749	ug/l #	87
38) Carbon Tetrachloride	8.12	117	7878	2.451	ug/l	97

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Quant Time: Sep 27 18:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 18:19:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.38	83	11949	3.108	ug/l	92
40) Benzene	8.37	78	21060	2.477	ug/l	98
41) Methacrylonitrile	7.54	41	2006	2.634	ug/l #	86
42) 1,2-Dichloroethane	8.44	62	6344	2.551	ug/l	95
43) Isopropyl Acetate	8.47	43	7130	2.758	ug/l #	56
44) Trichloroethene	9.14	130	6559	2.664	ug/l	71
45) 1,2-Dichloropropane	9.41	63	5586	2.659	ug/l	94
46) Dibromomethane	9.50	93	2941	2.481	ug/l	96
47) Bromodichloromethane	9.68	83	8050	2.634	ug/l	91
48) Methyl methacrylate	9.47	41	2647	2.251	ug/l #	64
49) 1,4-Dioxane	9.48	88	988	59.738	ug/l #	74
51) 4-Methyl-2-Pentanone	10.25	43	16874	12.957	ug/l	94
52) Toluene	10.42	92	15894	2.757	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	7130	2.354	ug/l #	88
54) cis-1,3-Dichloropropene	10.11	75	8745	2.543	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	3820	2.280	ug/l #	82
56) Ethyl methacrylate	10.68	69	5144	2.416	ug/l #	85
57) 1,3-Dichloropropane	10.97	76	8226	2.890	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.96	63	13602	14.293	ug/l	97
59) 2-Hexanone	11.00	43	12013	12.928	ug/l	97
60) Dibromochloromethane	11.16	129	5144	2.327	ug/l	91
61) 1,2-Dibromoethane	11.26	107	4892	2.921	ug/l	86
64) Tetrachloroethene	10.88	164	5535	2.555	ug/l #	76
65) Chlorobenzene	11.68	112	17022	2.631	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	5595	2.353	ug/l	91
67) Ethyl Benzene	11.76	91	29437	2.519	ug/l	99
68) m/p-Xylenes	11.86	106	22162	4.939	ug/l	97
69) o-Xylene	12.19	106	11054	2.610	ug/l	93
70) Styrene	12.21	104	17865	2.492	ug/l	96
71) Bromoform	12.37	173	3057	2.315	ug/l #	99
73) Isopropylbenzene	12.49	105	29821	2.786	ug/l	94
74) N-amyl acetate	12.30	43	7000	2.987	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	4902	2.747	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	4776m	4.019	ug/l	
77) Bromobenzene	12.78	156	6570	2.554	ug/l	92
78) n-propylbenzene	12.84	91	34820	2.765	ug/l	97
79) 2-Chlorotoluene	12.92	91	19553	2.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	23221	2.602	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	1995m	3.353	ug/l	
82) 4-Chlorotoluene	13.01	91	18578	2.564	ug/l	96
83) tert-Butylbenzene	13.24	119	20052	2.572	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	22837	2.521	ug/l	98
85) sec-Butylbenzene	13.42	105	27901	2.572	ug/l	99
86) p-Isopropyltoluene	13.53	119	25536	2.506	ug/l	94
87) 1,3-Dichlorobenzene	13.53	146	12645	2.504	ug/l	91
88) 1,4-Dichlorobenzene	13.61	146	14018	2.791	ug/l	91
89) n-Butylbenzene	13.86	91	26855	2.769	ug/l	97
90) Hexachloroethane	14.13	117	4587	2.430	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	12670	2.924	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1042	3.461	ug/l	77

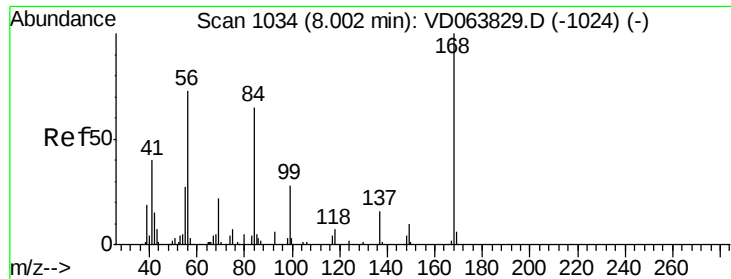
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092619\
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Quant Title : SW846 8260
QLast Update : Fri Sep 27 18:19:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	9003	2.736	ug/l	95
94) Hexachlorobutadiene	15.28	225	5236	2.809	ug/l	98
95) Naphthalene	15.41	128	16664	2.820	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	8401	2.880	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

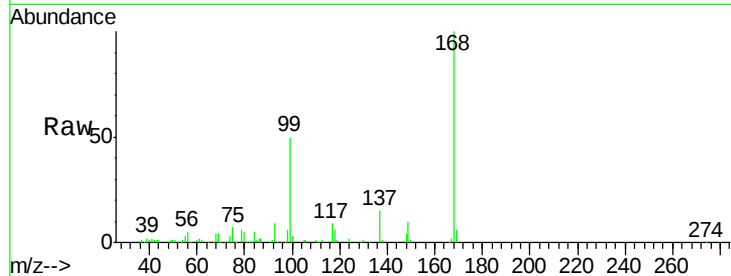
Instrument :
MSVOA_D
ClientSampleId :
MDL02

Tot Ion:168 Resp: 213074

Ion Ratio Lower Upper

168 100

99 49.8 41.2 61.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

100000

80000

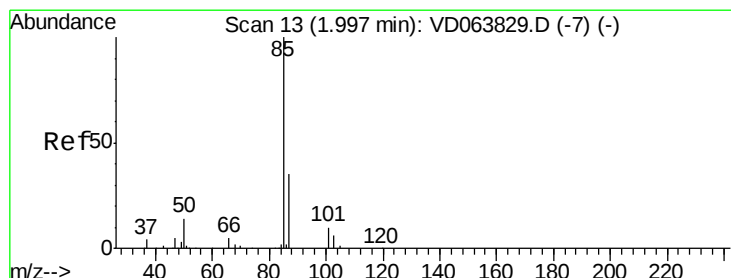
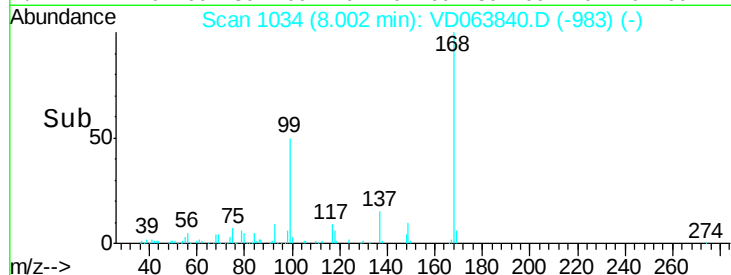
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.680 ug/l

RT: 2.00 min Scan# 13

Delta R.T. -0.00 min

Lab File: VD063840.D

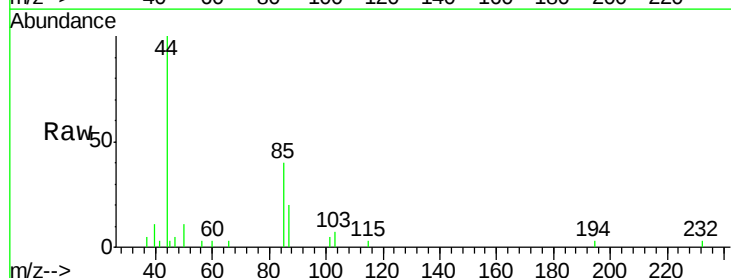
Acq: 26 Sep 2019 16:25

Tgt Ion: 85 Resp: 3917

Ion Ratio Lower Upper

85 100

87 50.3 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

2500

2000

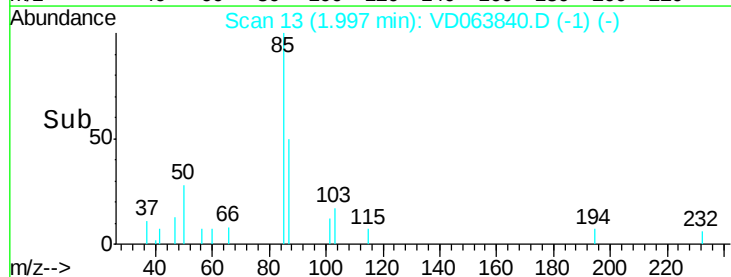
1500

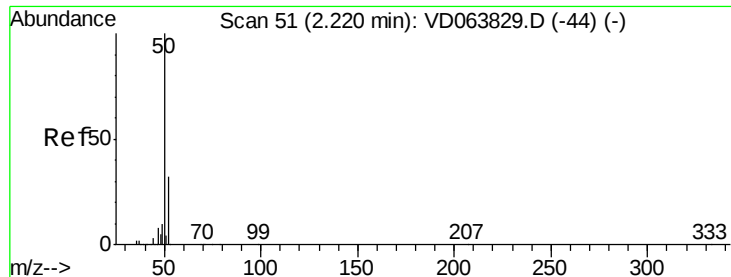
1000

500

0

Time-->





#3

Chloromethane

Concen: 2.986 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

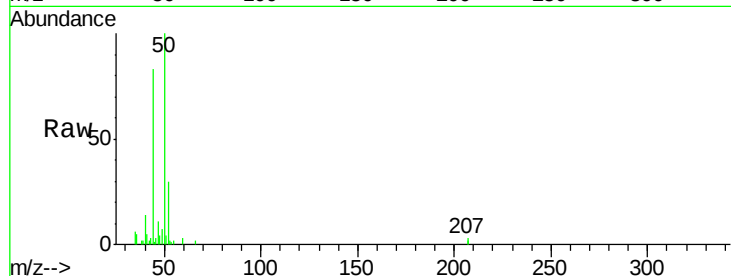
MDL02

Tot Ion: 50 Resp: 13222

Ion Ratio Lower Upper

50 100

52 30.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.22

12000

10000

8000

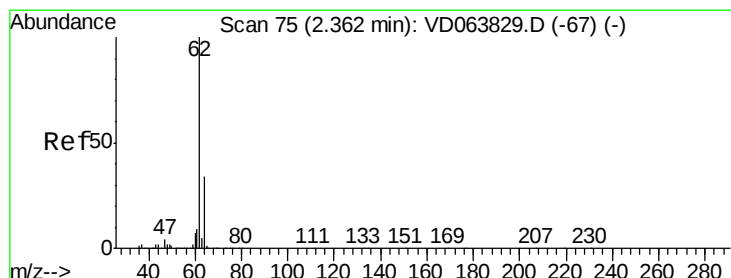
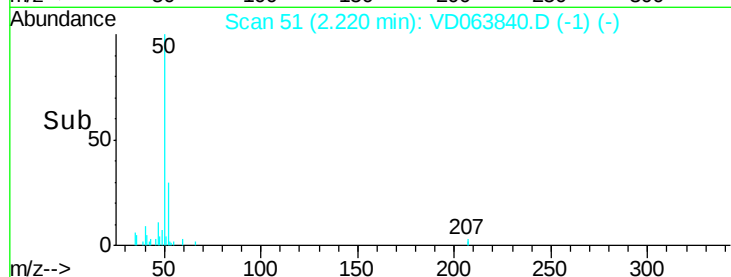
6000

4000

2000

0

Time--> 2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 2.628 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063840.D

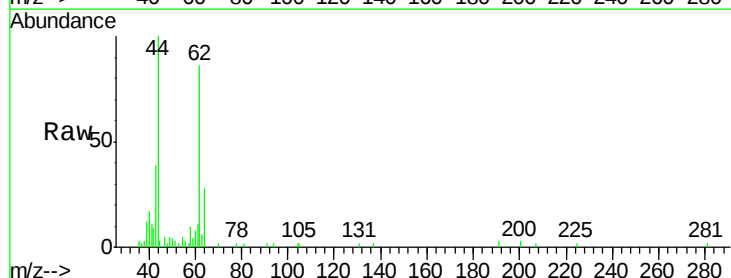
Acq: 26 Sep 2019 16:25

Tgt Ion: 62 Resp: 11878

Ion Ratio Lower Upper

62 100

64 32.1 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

8000

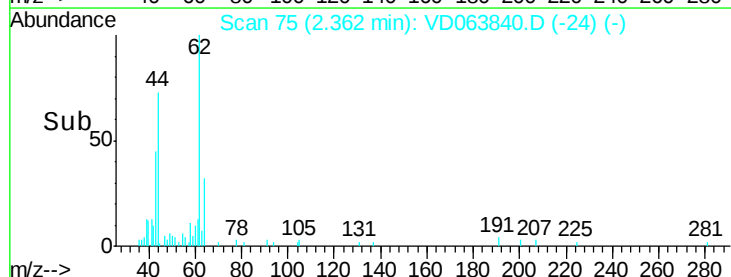
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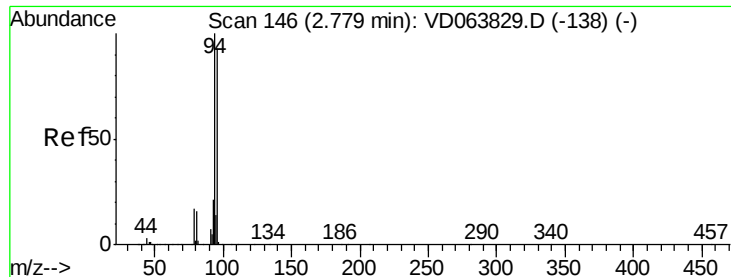
4000

2000

0

Time--> 2.30 2.35 2.40





#5

Bromomethane

Concen: 3.272 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

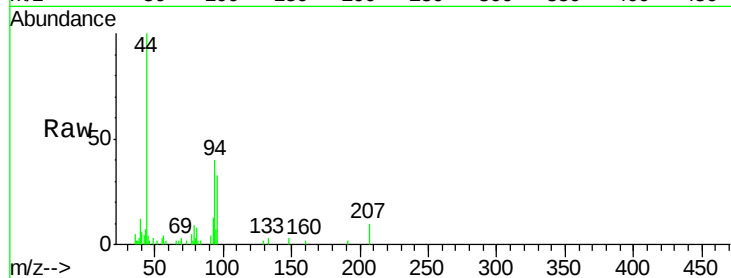
MDL02

Tot Ion: 94 Resp: 8652

Ion Ratio Lower Upper

94 100

96 83.8 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

4000

3000

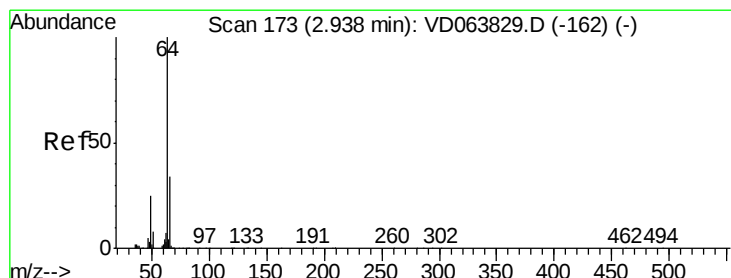
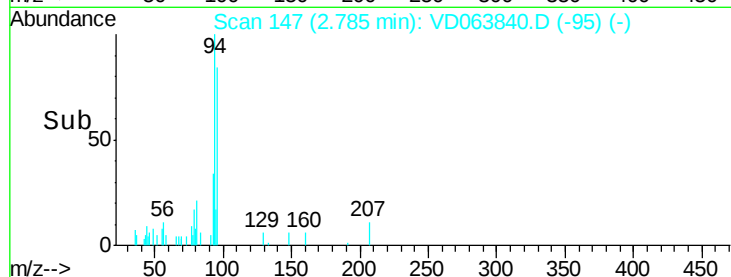
2000

1000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 2.668 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063840.D

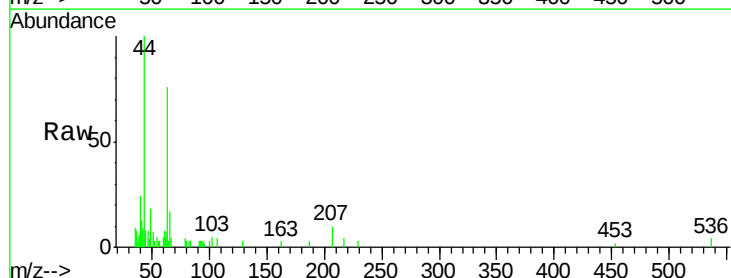
Acq: 26 Sep 2019 16:25

Tgt Ion: 64 Resp: 8305

Ion Ratio Lower Upper

64 100

66 22.0 26.9 40.3#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.94

5000

4000

3000

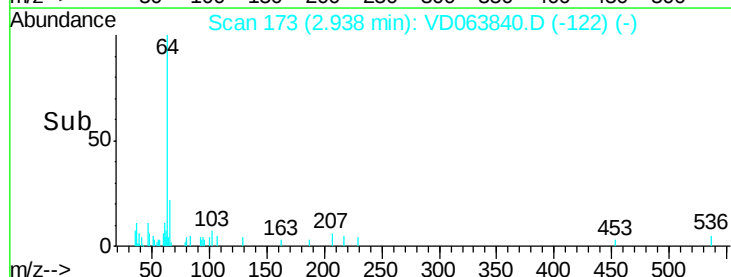
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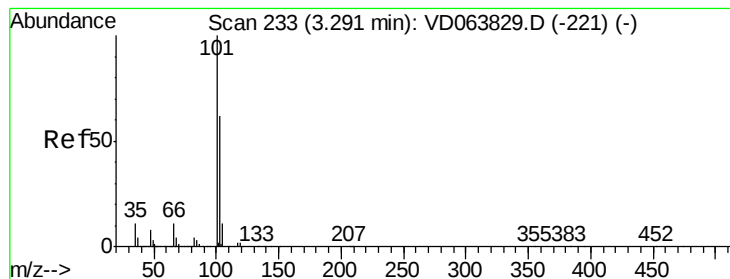
1000

0

Time-->

2.85 2.90 2.95 3.00



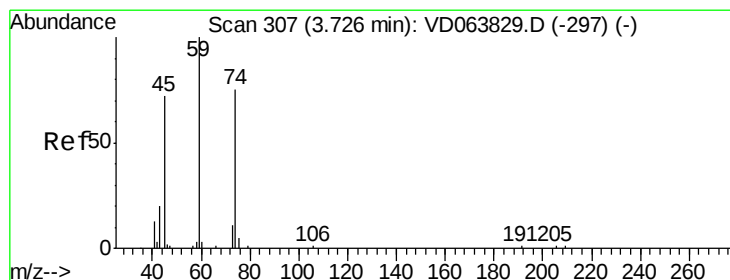
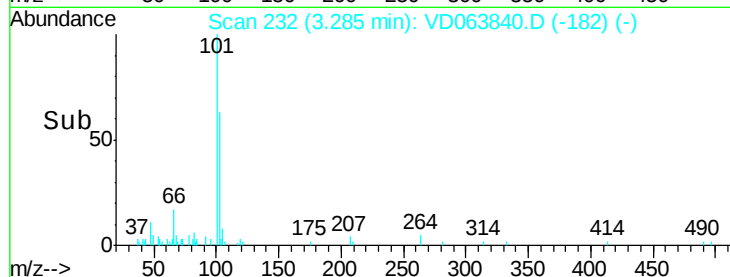
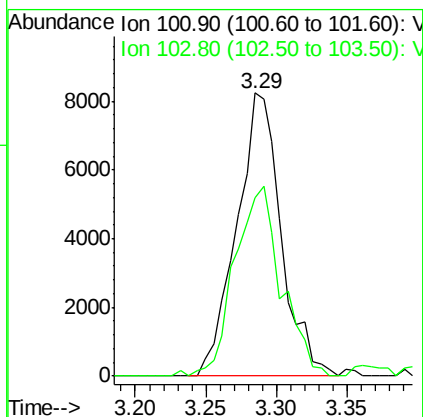
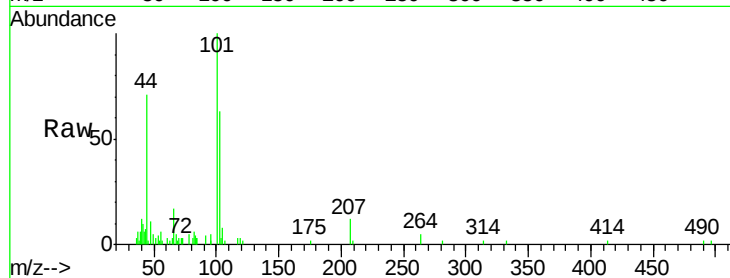


#7

Trichlorofluoromethane
 Concen: 2.996 ug/l
 RT: 3.29 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

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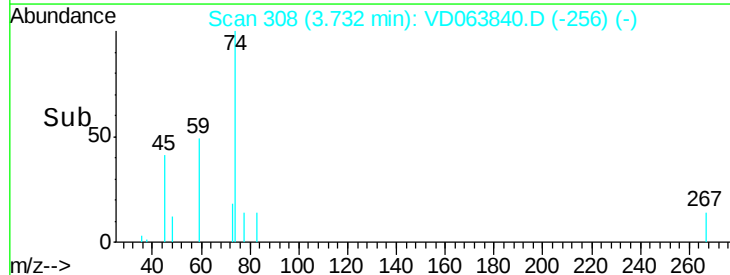
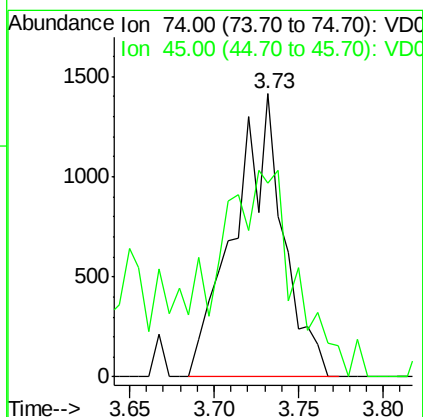
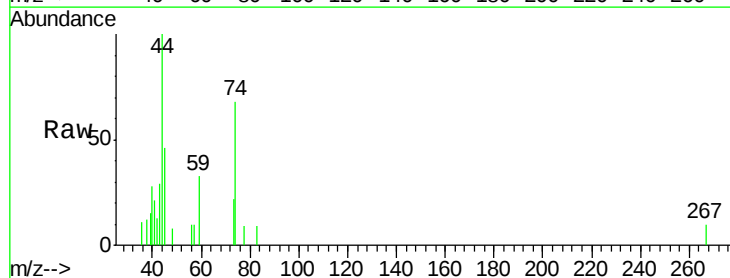
Tot Ion:101 Resp: 18202
 Ion Ratio Lower Upper
 101 100
 103 62.9 49.8 74.8

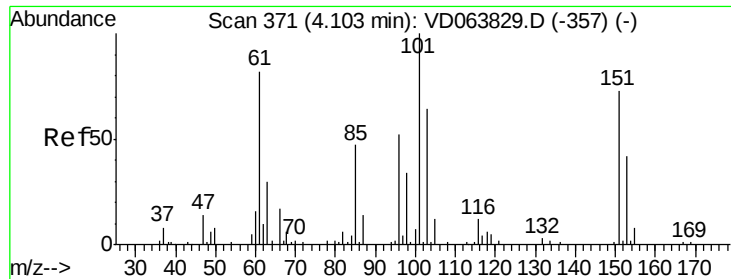


#8

Diethyl Ether
 Concen: 2.882 ug/l
 RT: 3.73 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 74 Resp: 2855
 Ion Ratio Lower Upper
 74 100
 45 109.3 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.857 ug/l

RT: 4.12 min Scan# 374

Delta R.T. 0.02 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

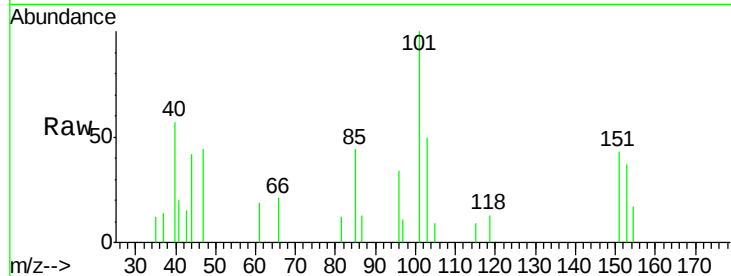
Tot Ion:101 Resp: 5149

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

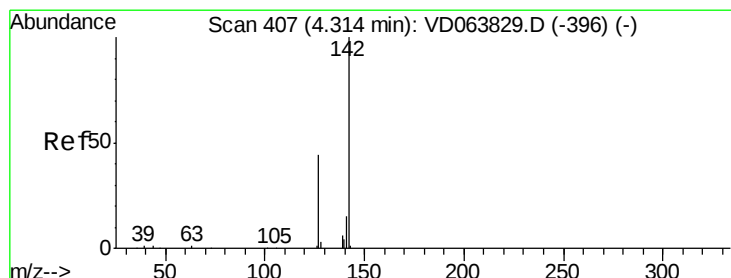
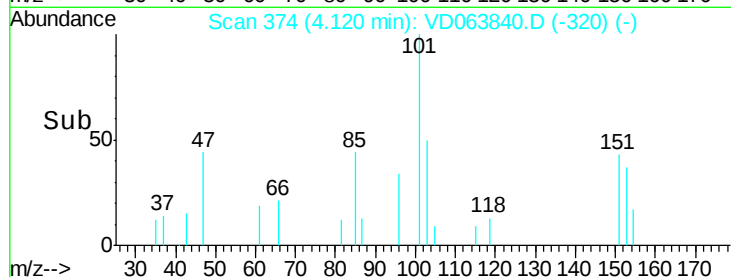
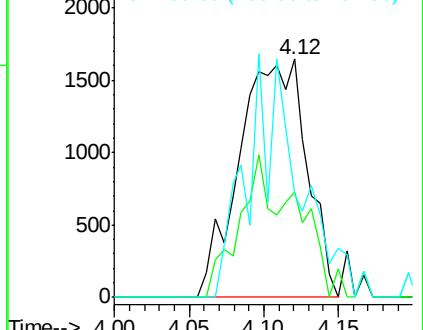
151 0.0 64.2 96.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.473 ug/l

RT: 4.31 min Scan# 406

Delta R.T. -0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

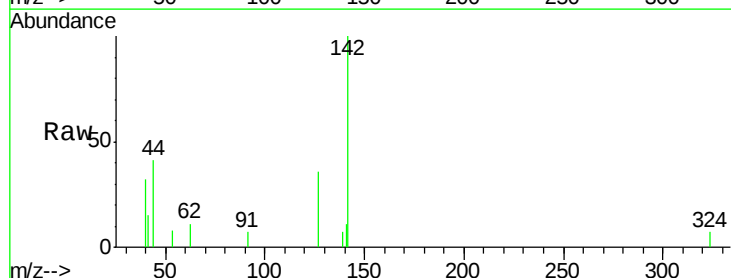
Tgt Ion:142 Resp: 5321

Ion Ratio Lower Upper

142 100

127 41.9 35.8 53.6

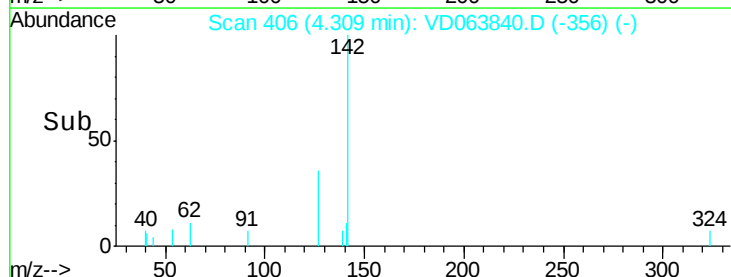
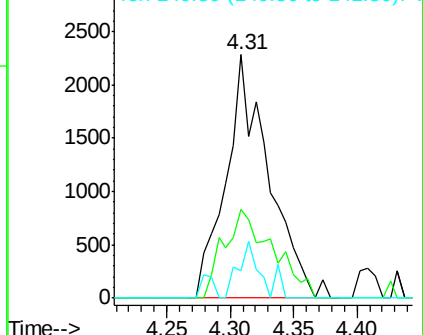
141 10.2 11.9 17.9#

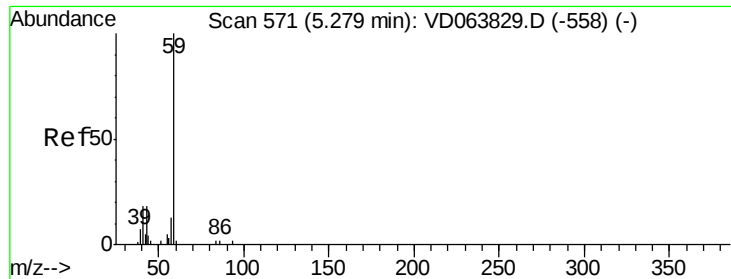


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



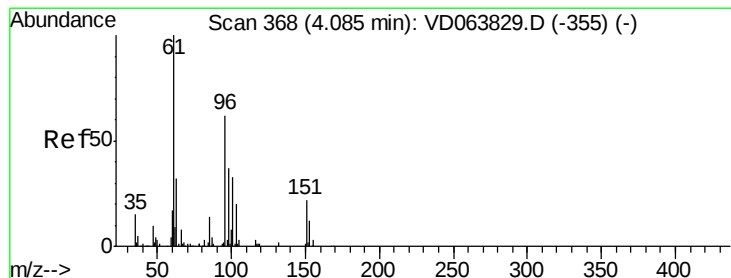
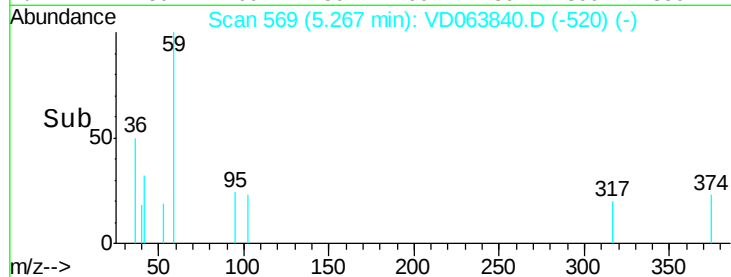
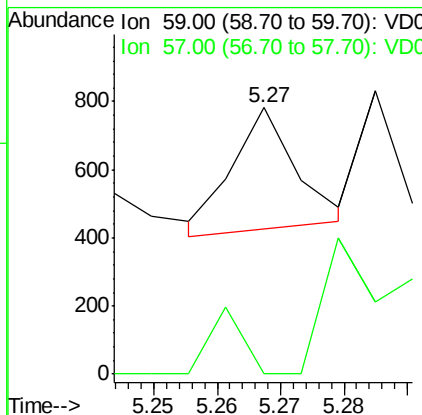
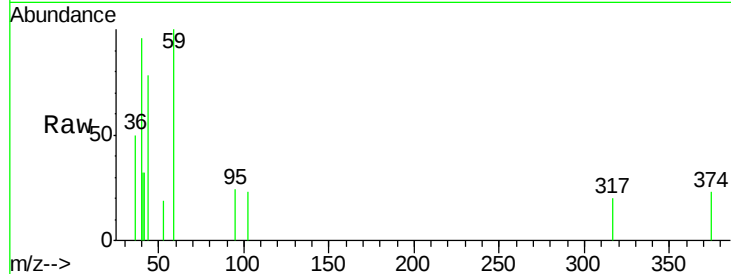


#11

Tert butyl alcohol
 Concen: 1.591 ug/l
 RT: 5.27 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

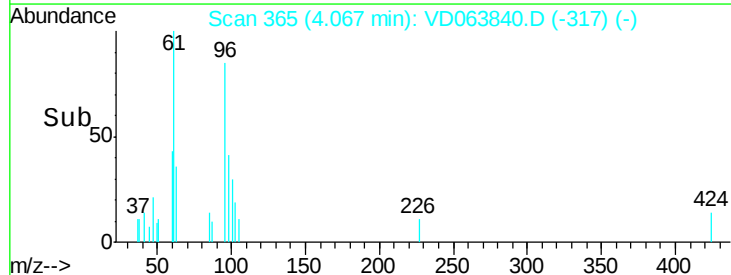
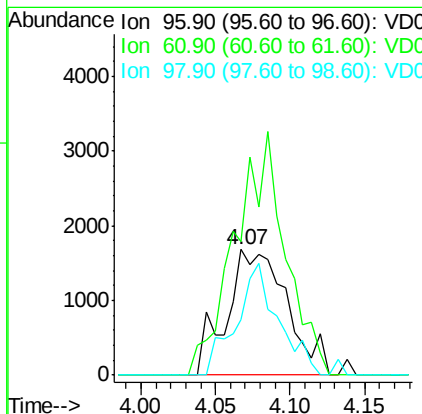
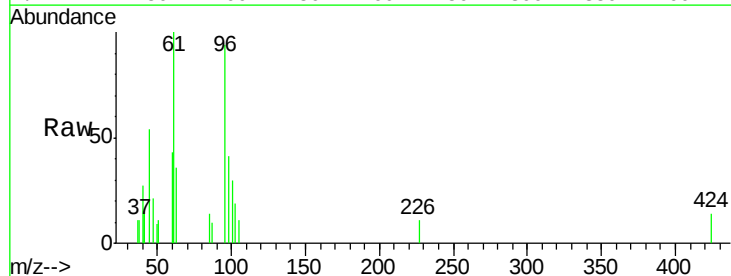
Tot Ion: 59 Resp: 249
 Ion Ratio Lower Upper
 59 100
 57 28.1 8.3 12.5#

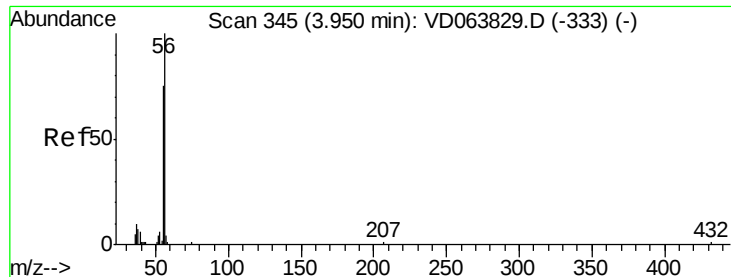


#12

1,1-Dichloroethene
 Concen: 2.603 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 96 Resp: 4737
 Ion Ratio Lower Upper
 96 100
 61 106.5 129.0 193.4#
 98 44.1 47.8 71.6#





#13

Acrolein

Concen: 12.862 ug/l

RT: 3.94 min Scan# 343

Delta R.T. -0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampled :

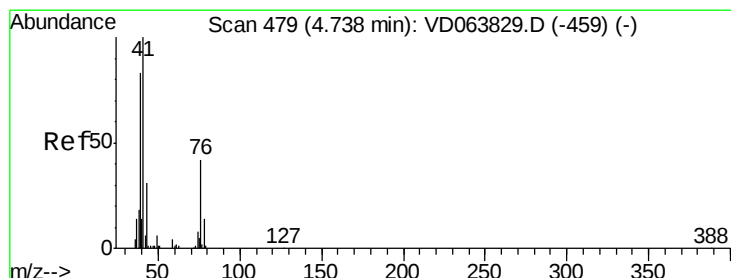
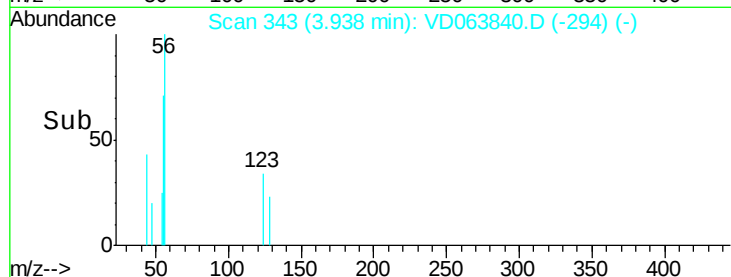
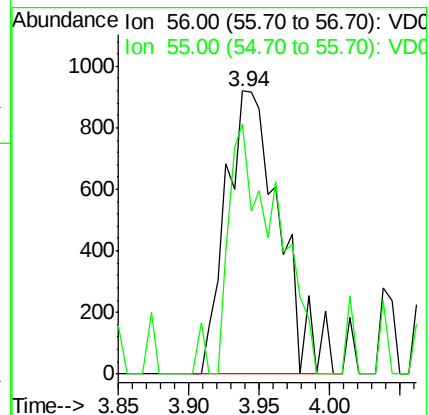
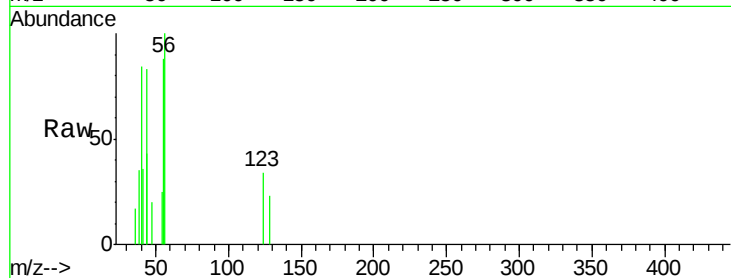
MDL02

Tot Ion: 56 Resp: 2448

Ion Ratio Lower Upper

56 100

55 77.6 55.0 82.6



#14

Allyl chloride

Concen: 3.257 ug/l

RT: 4.76 min Scan# 482

Delta R.T. 0.02 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

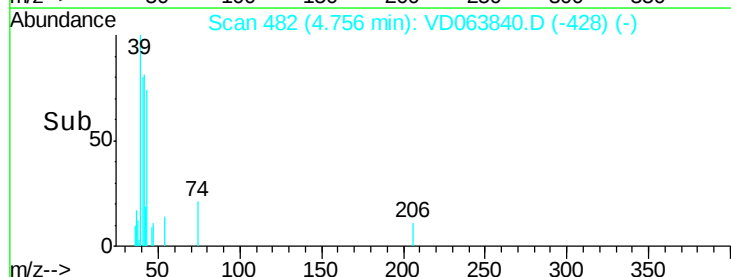
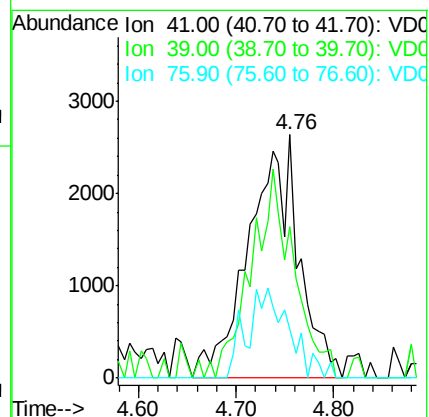
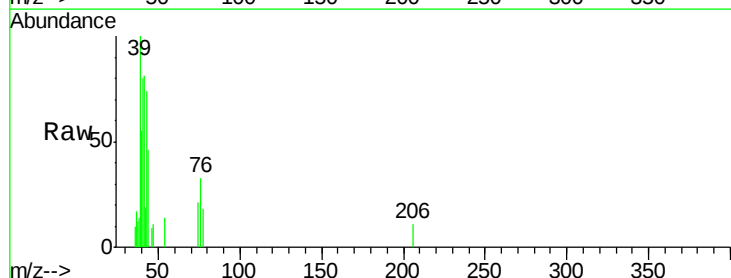
Tgt Ion: 41 Resp: 9368

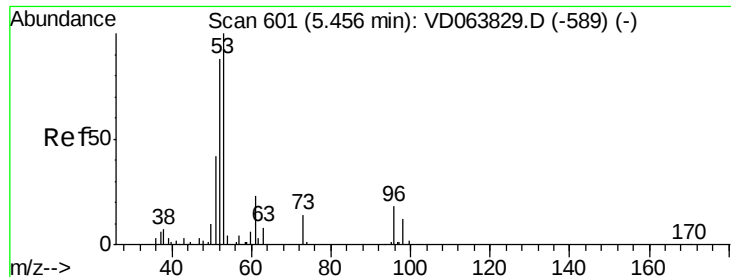
Ion Ratio Lower Upper

41 100

39 0.0 63.7 95.5#

76 0.0 33.5 50.3#





#15

Acrylonitrile

Concen: 13.242 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

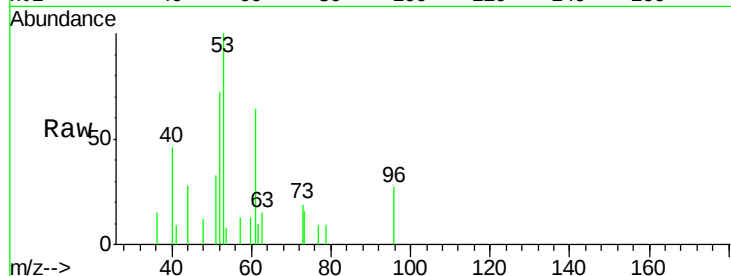
Tot Ion: 53 Resp: 5796

Ion Ratio Lower Upper

53 100

52 81.3 68.7 103.1

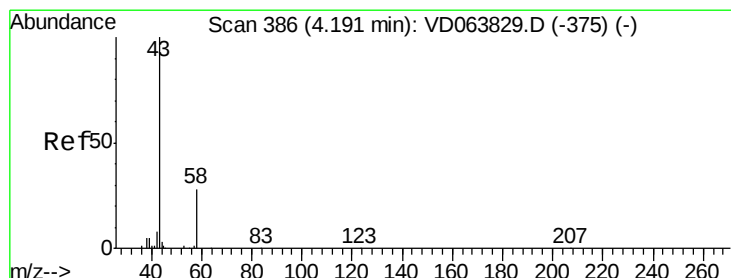
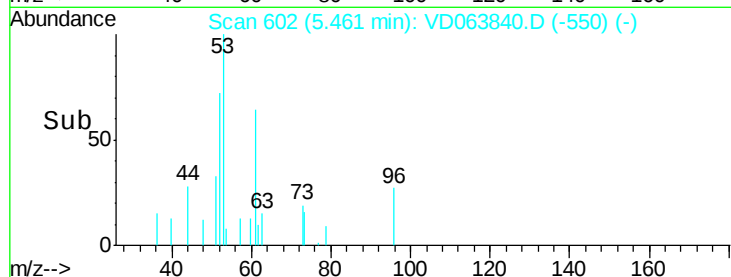
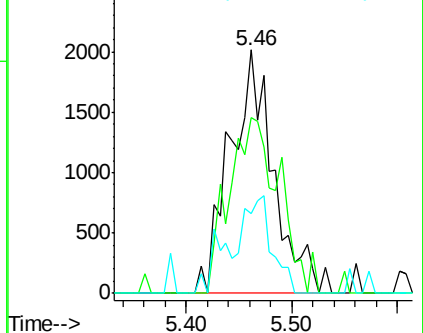
51 26.4 30.7 46.1#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 18.301 ug/l

RT: 4.18 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD063840.D

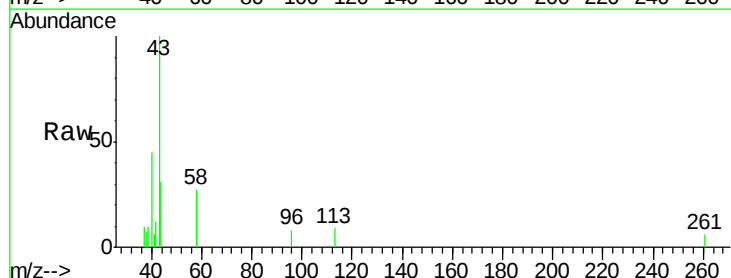
Acq: 26 Sep 2019 16:25

Tgt Ion: 43 Resp: 8242

Ion Ratio Lower Upper

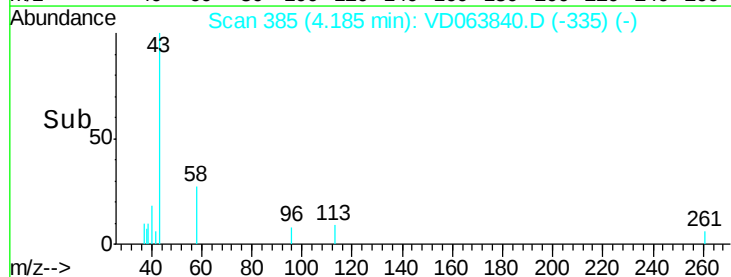
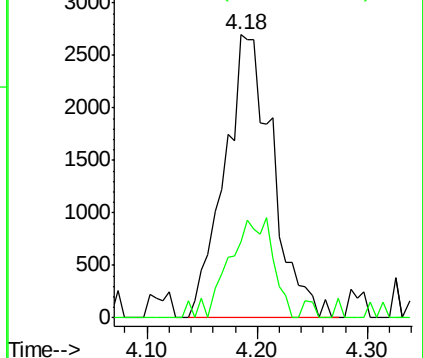
43 100

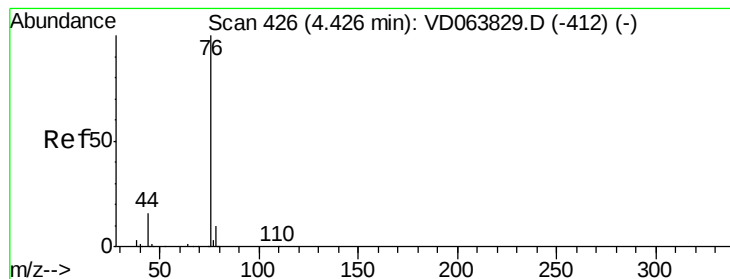
58 20.9 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 2.400 ug/l

RT: 4.41 min Scan# 424

Delta R.T. -0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

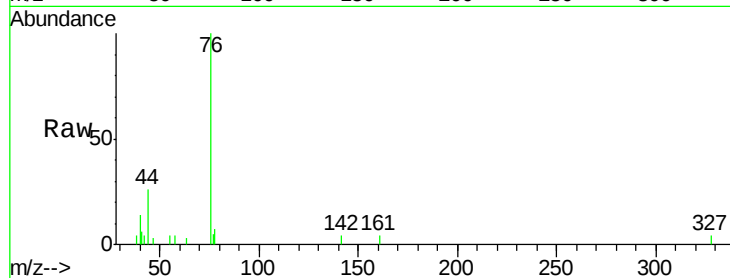
MDL02

Tot Ion: 76 Resp: 14760

Ion Ratio Lower Upper

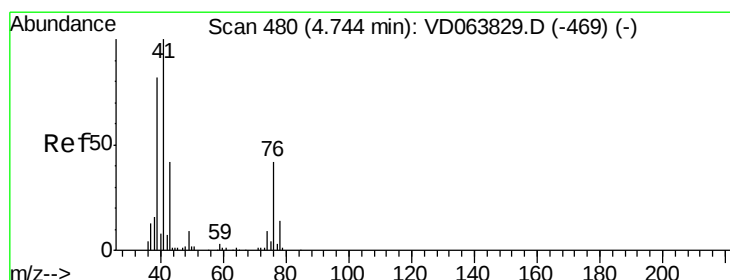
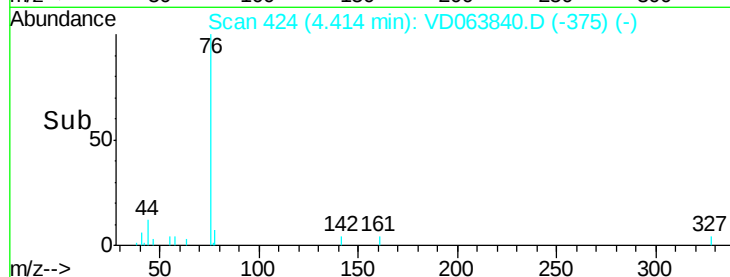
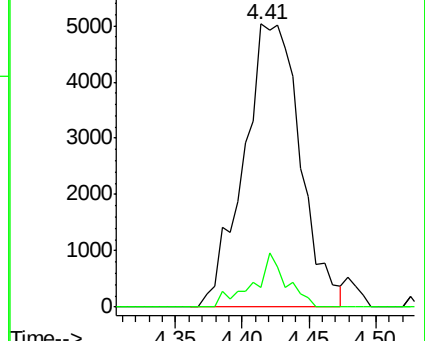
76 100

78 7.1 7.9 11.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 3.625 ug/l

RT: 4.77 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD063840.D

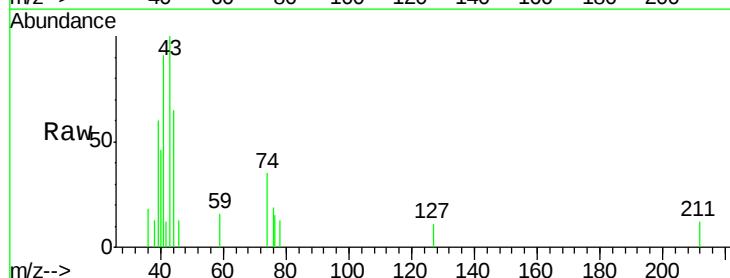
Acq: 26 Sep 2019 16:25

Tgt Ion: 43 Resp: 4020

Ion Ratio Lower Upper

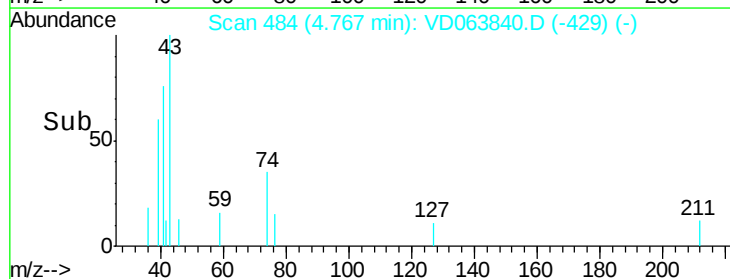
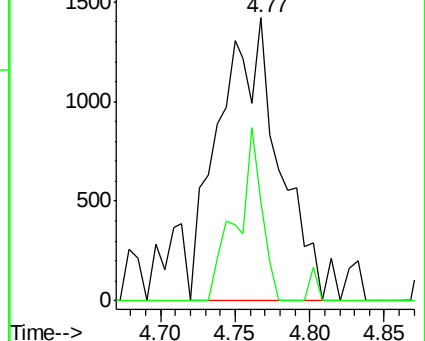
43 100

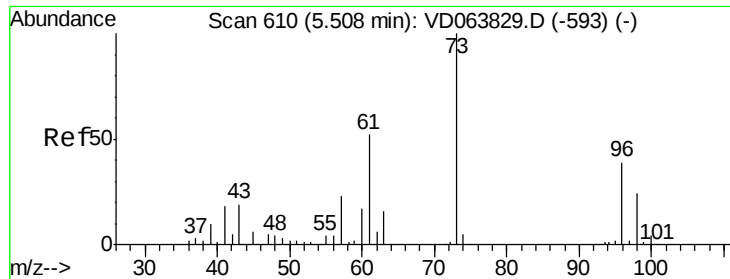
74 25.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

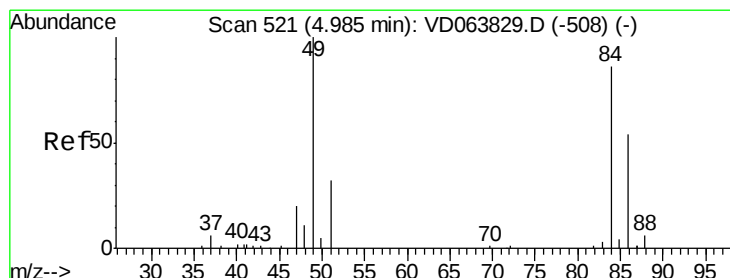
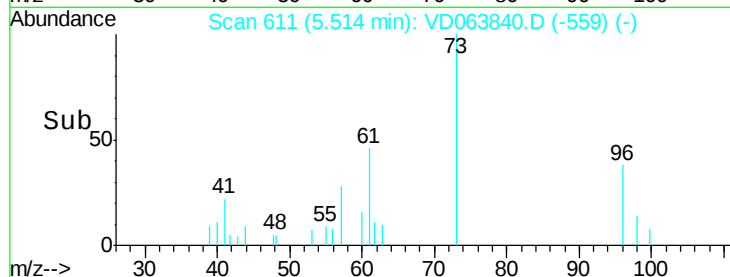
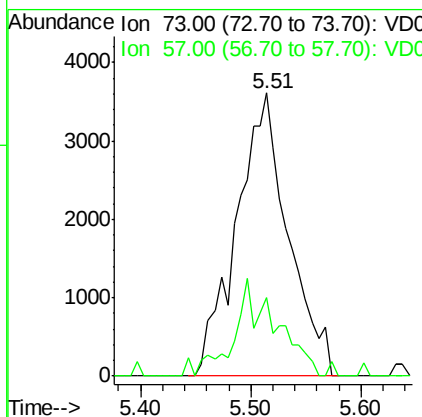
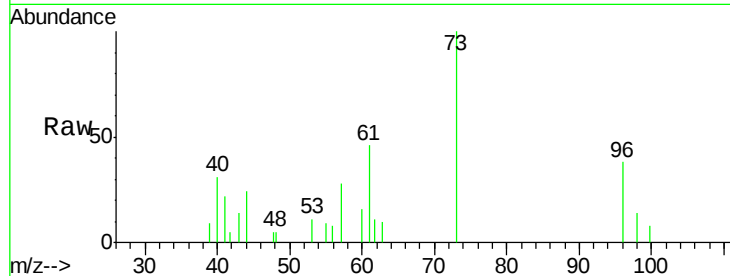




#19
Methvl tert-butvl Ether
Concen: 2.586 ug/l
RT: 5.51 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

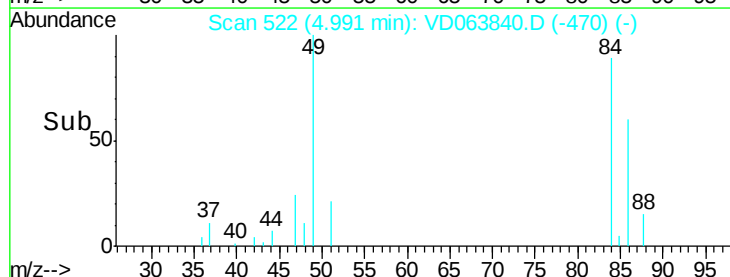
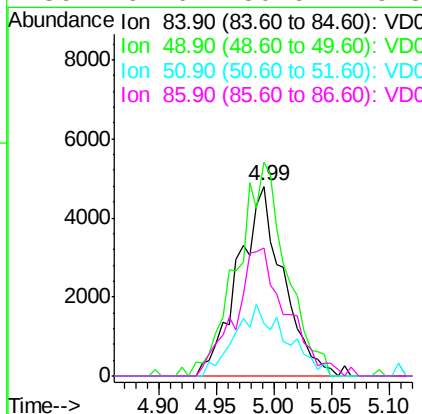
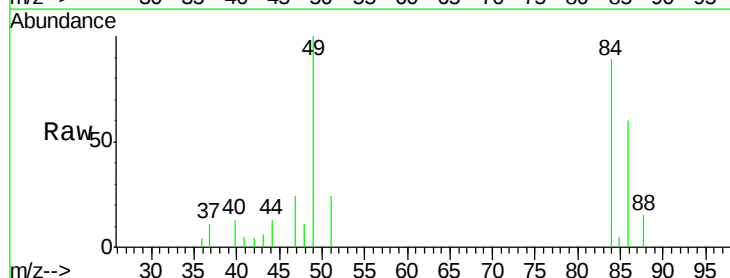
Instrument :
MSVOA_D
ClientSampleId :
MDL02

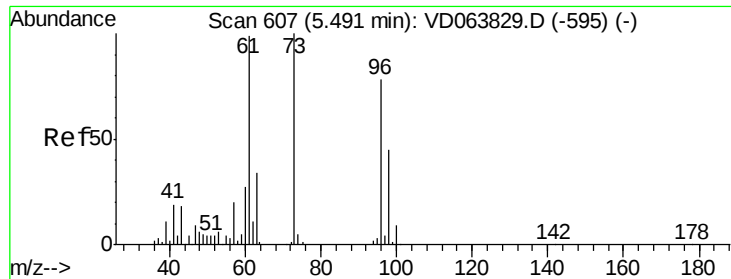
Tot Ion: 73 Resp: 11778
Ion Ratio Lower Upper
73 100
57 27.5 18.7 28.1



#20
Methylene Chloride
Concen: 4.790 ug/l
RT: 4.99 min Scan# 522
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 84 Resp: 12978
Ion Ratio Lower Upper
84 100
49 112.5 93.6 140.4
51 27.3 29.8 44.6#
86 67.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 3.048 ug/l

RT: 5.49 min Scan# 607

Delta R.T. -0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

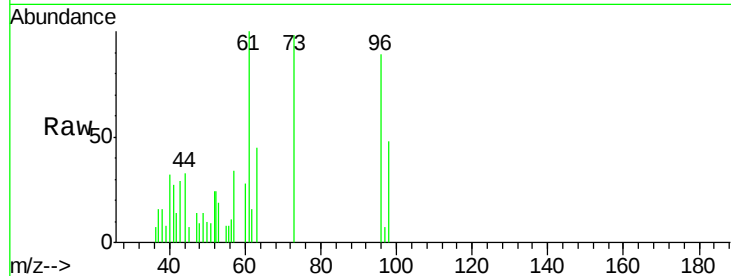
Tot Ion: 96 Resp: 6455

Ion Ratio Lower Upper

96 100

61 112.2 101.3 151.9

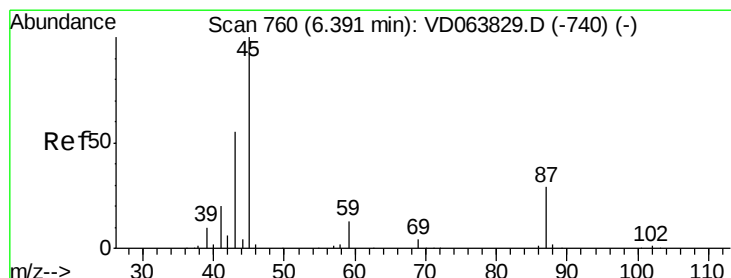
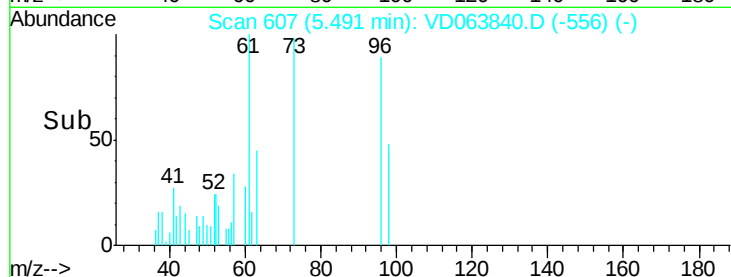
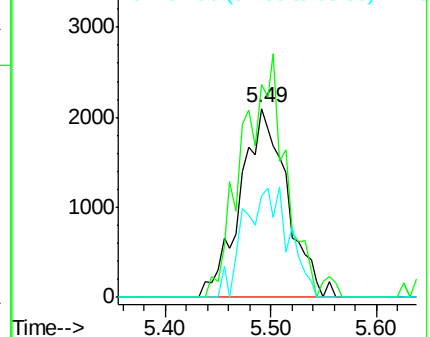
98 53.9 45.4 68.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 2.452 ug/l

RT: 6.40 min Scan# 761

Delta R.T. 0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Tgt Ion: 45 Resp: 14566

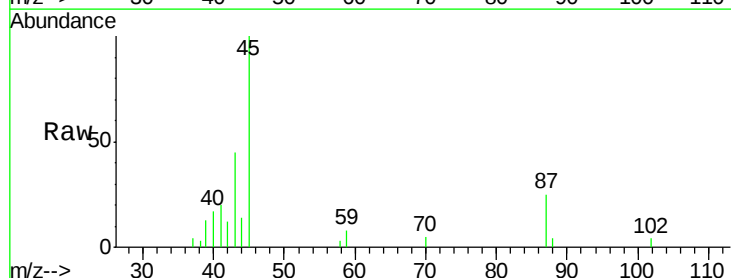
Ion Ratio Lower Upper

45 100

43 44.8 44.2 66.2

87 25.1 23.9 35.9

59 8.5 10.0 15.0#

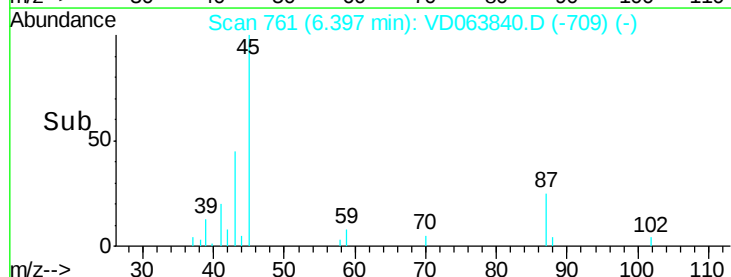
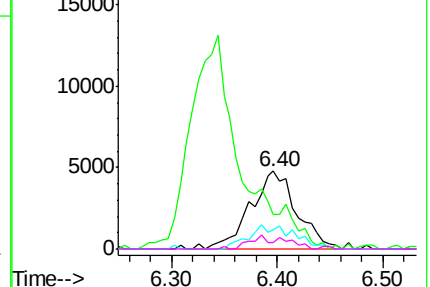


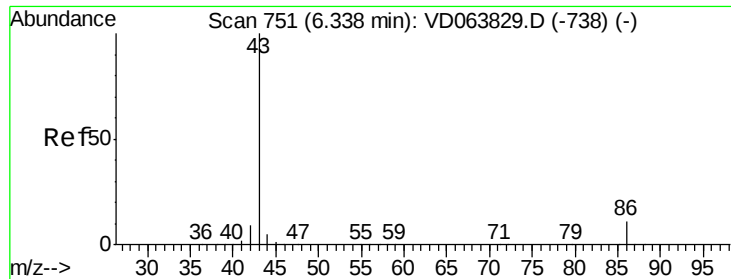
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 12.383 ug/l

RT: 6.34 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleID :

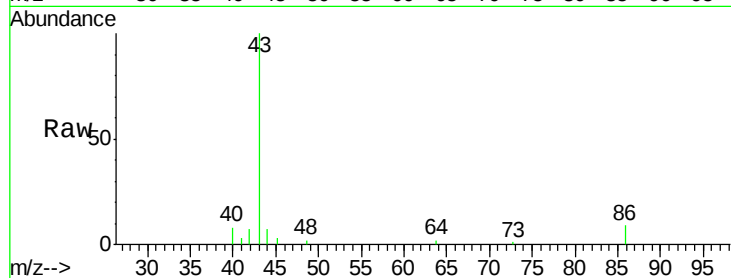
MDL02

Tot Ion: 43 Resp: 43505

Ion Ratio Lower Upper

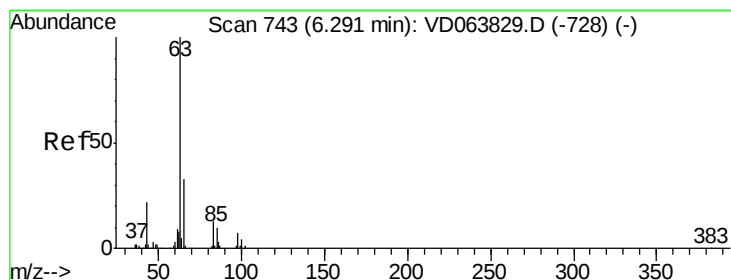
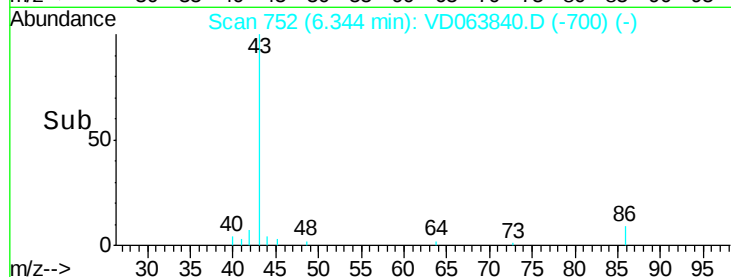
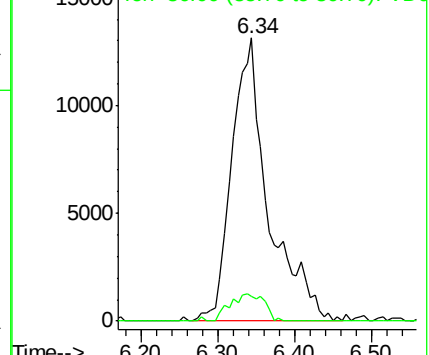
43 100

86 9.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 2.666 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

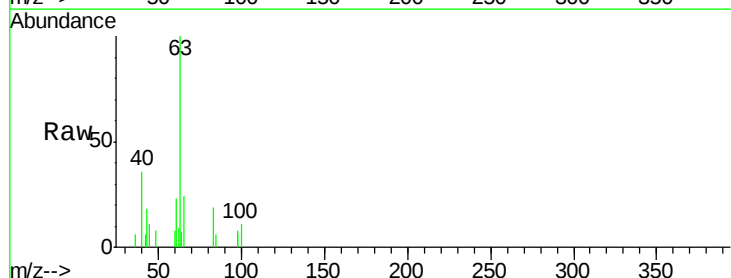
Tgt Ion: 63 Resp: 9621

Ion Ratio Lower Upper

63 100

98 13.6 3.5 10.5#

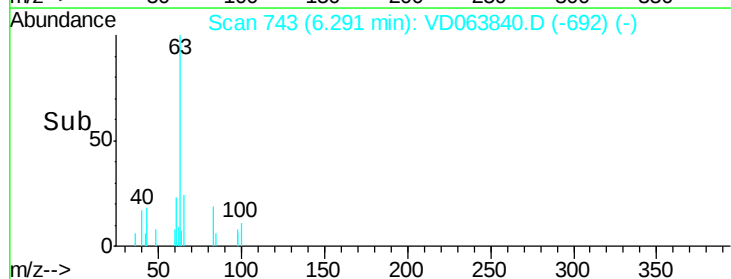
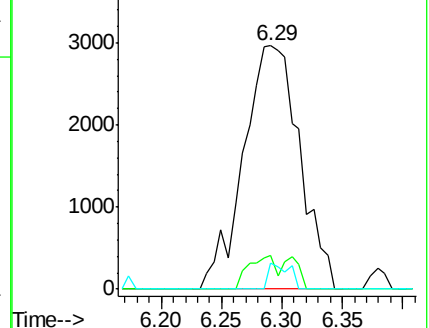
100 10.5 2.0 6.0#

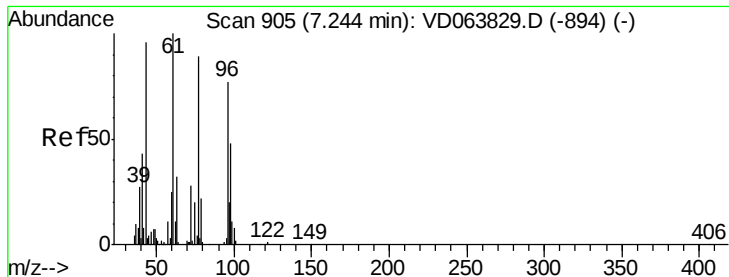


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 15.993 ug/l

RT: 7.25 min Scan# 906

Delta R.T. 0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

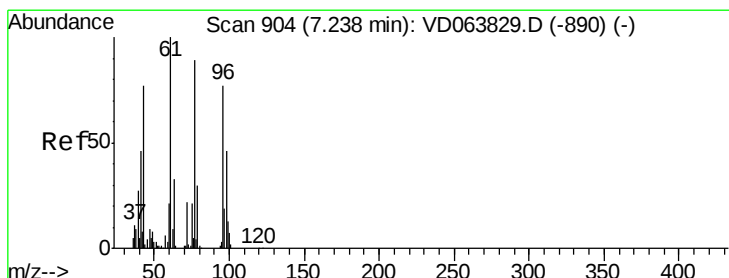
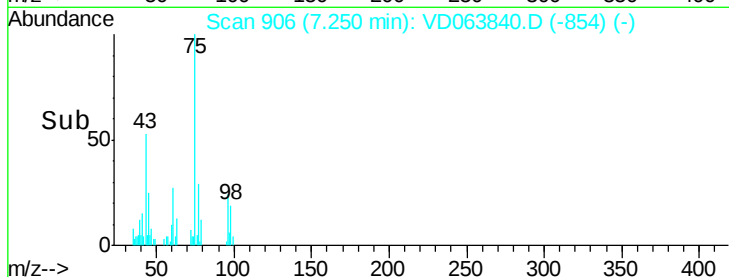
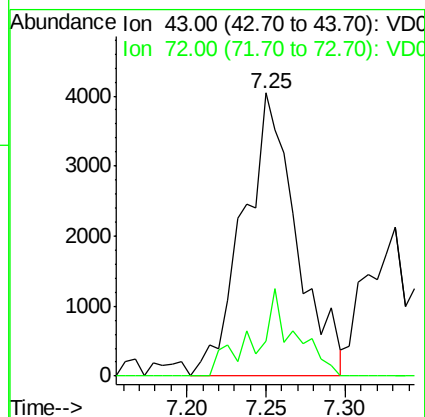
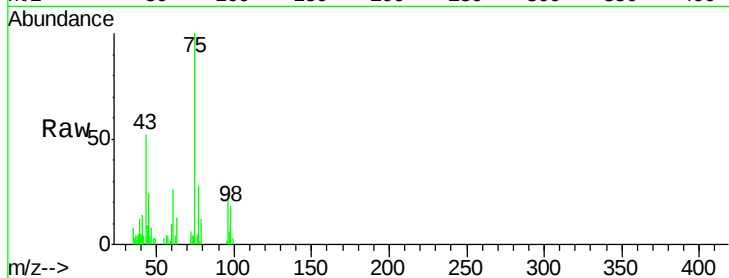
MDL02

Tot Ion: 43 Resp: 9416

Ion Ratio Lower Upper

43 100

72 12.3 23.5 35.3#



#26

2,2-Dichloropropane

Concen: 2.941 ug/l

RT: 7.24 min Scan# 904

Delta R.T. -0.00 min

Lab File: VD063840.D

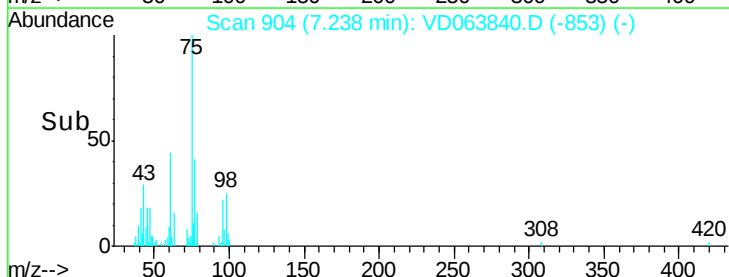
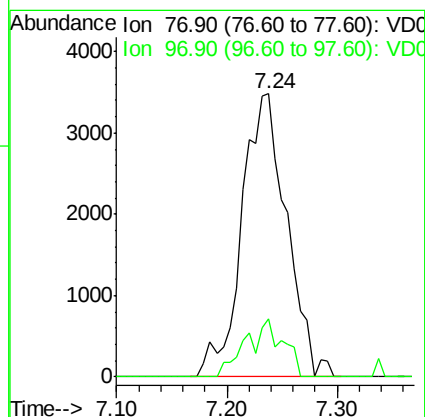
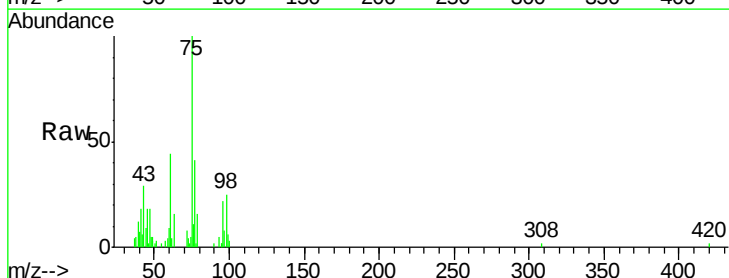
Acq: 26 Sep 2019 16:25

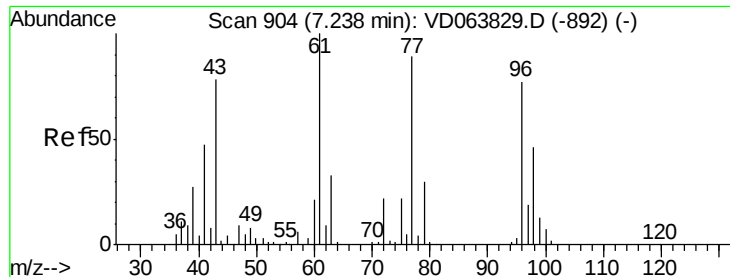
Tgt Ion: 77 Resp: 9926

Ion Ratio Lower Upper

77 100

97 17.0 10.9 32.7



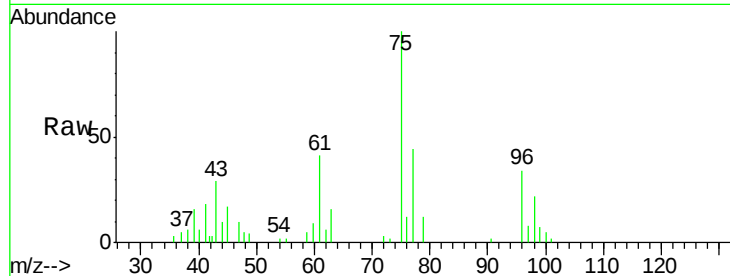


#27

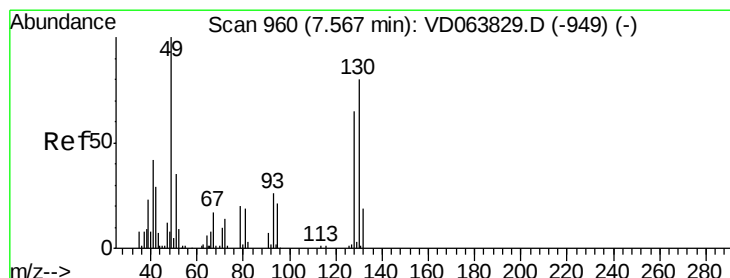
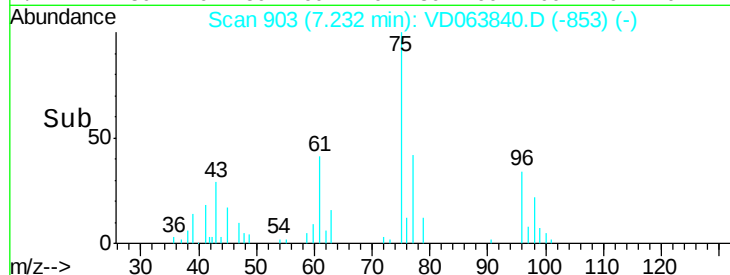
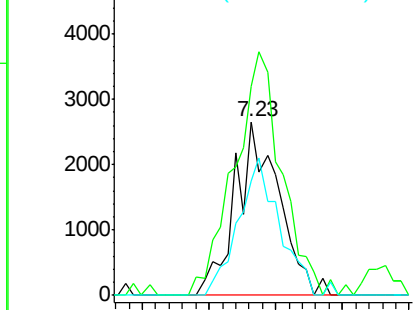
cis-1,2-Dichloroethene
Concen: 2.540 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :
MDL02

Tot Ion: 96 Resp: 6036
Ion Ratio Lower Upper
96 100
61 152.1 0.0 275.6
98 73.8 0.0 130.2



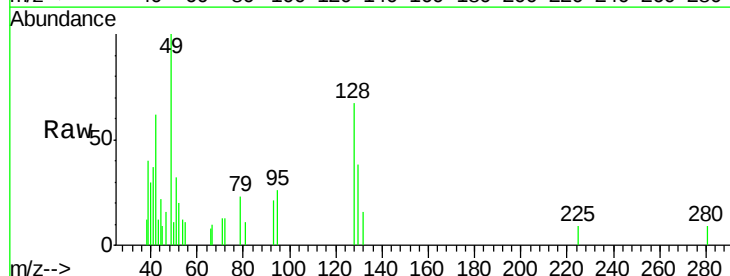
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



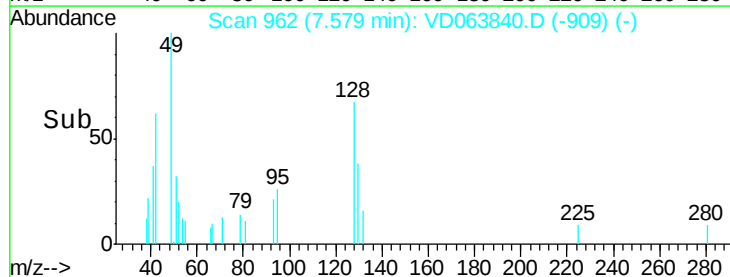
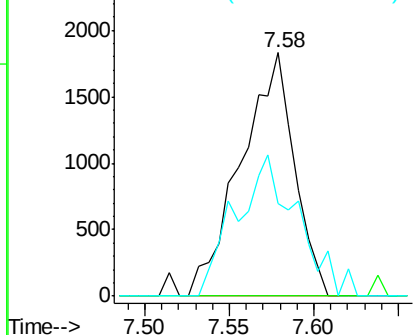
#28

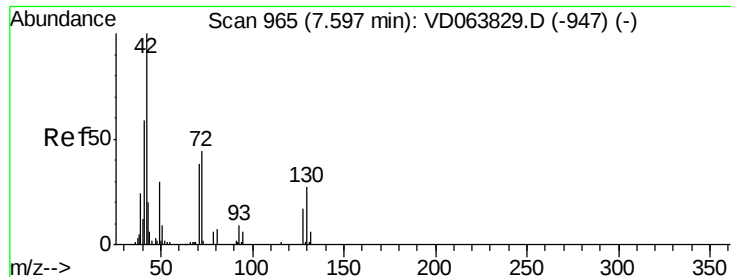
Bromochloromethane
Concen: 2.842 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 49 Resp: 4024
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.6
130 67.4 67.0 100.4



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

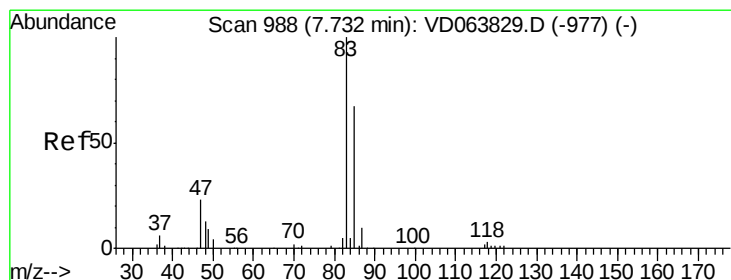
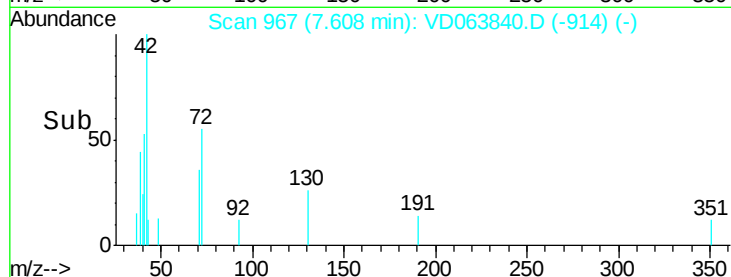
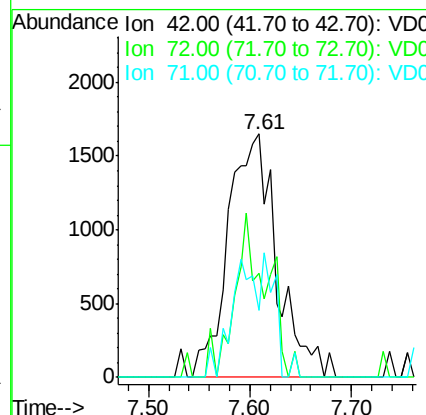
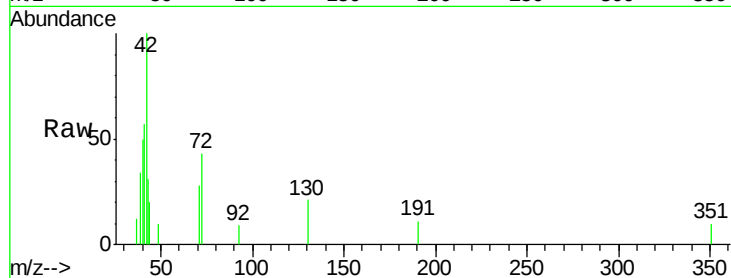




#29
Tetrahydrofuran
Concen: 15.534 ug/l
RT: 7.61 min Scan# 967
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

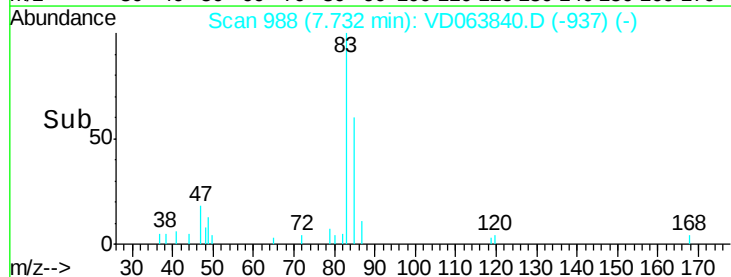
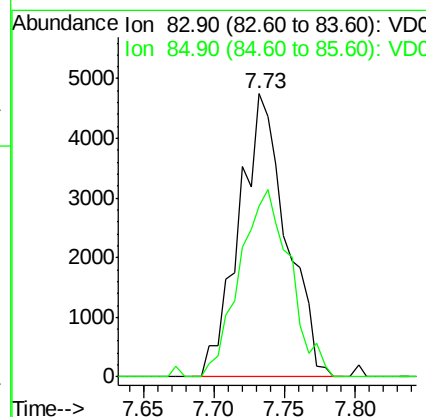
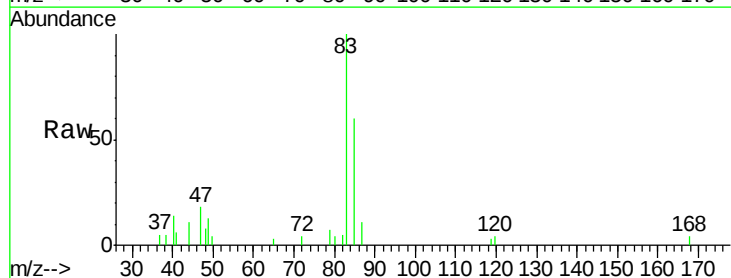
Instrument :
MSVOA_D
ClientSampleId :
MDL02

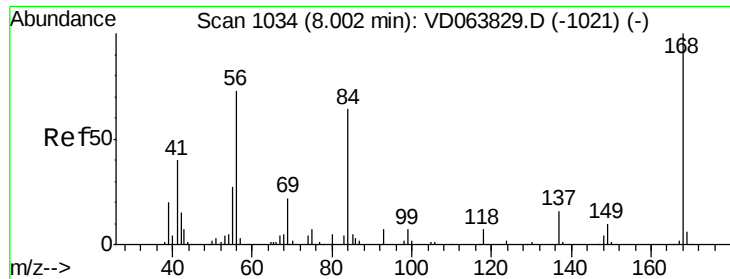
Tot Ion: 42 Resp: 5480
Ion Ratio Lower Upper
42 100
72 0.0 37.3 55.9#
71 13.7 33.4 50.2#



#30
Chloroform
Concen: 2.843 ug/l
RT: 7.73 min Scan# 988
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 83 Resp: 11142
Ion Ratio Lower Upper
83 100
85 60.3 53.4 80.2

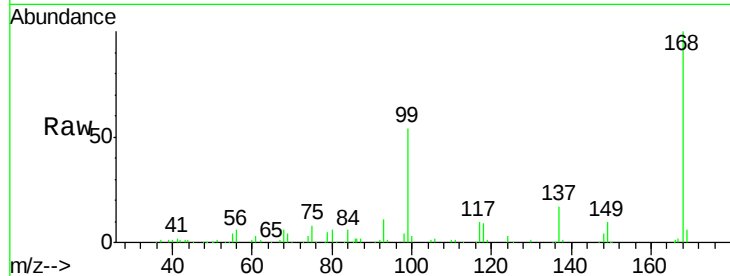




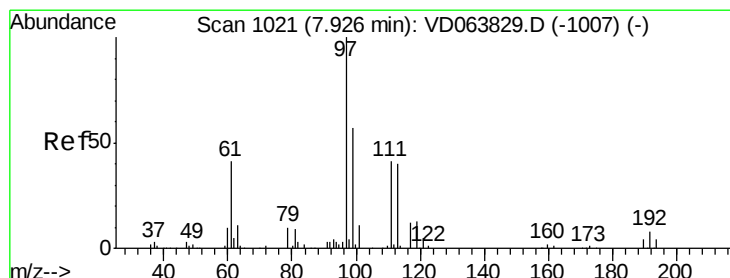
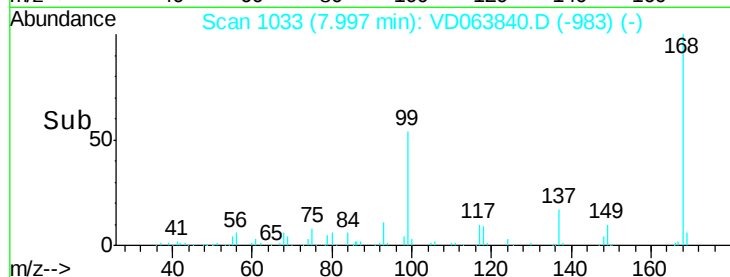
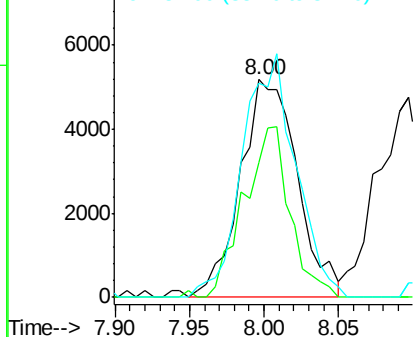
#31
Cyclohexane
Concen: 3.812 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :
MDL02

Tot Ion: 56 Resp: 13733
Ion Ratio Lower Upper
56 100
69 61.9 23.1 34.7#
84 98.2 69.7 104.5

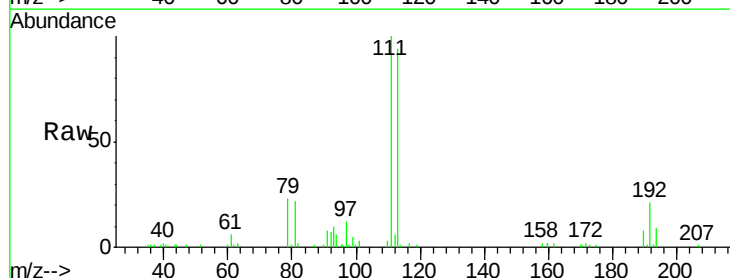


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

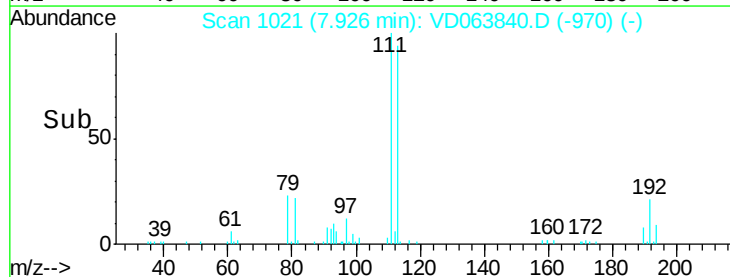
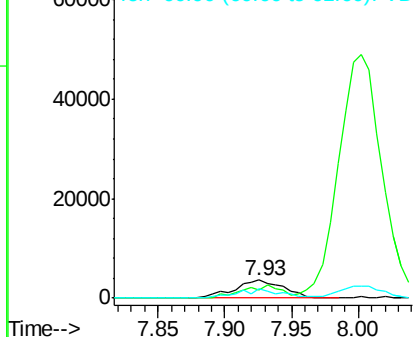


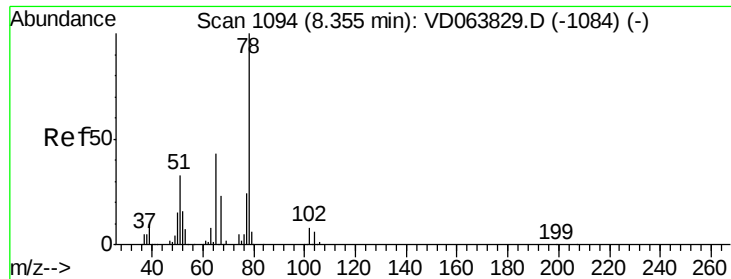
#32
1,1,1-Trichloroethane
Concen: 2.604 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 97 Resp: 9229
Ion Ratio Lower Upper
97 100
99 57.4 52.9 79.3
61 43.6 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

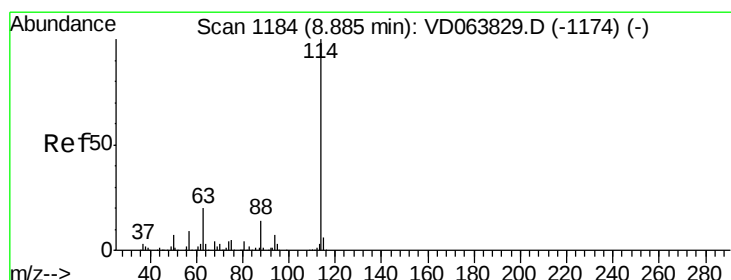
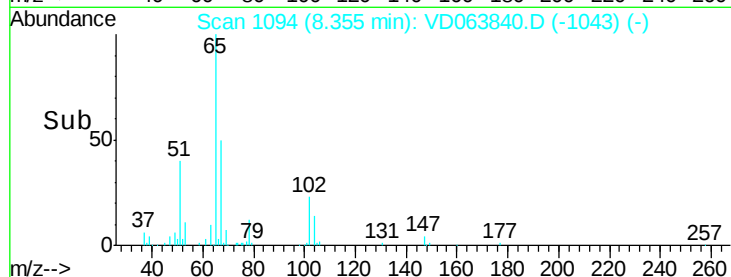
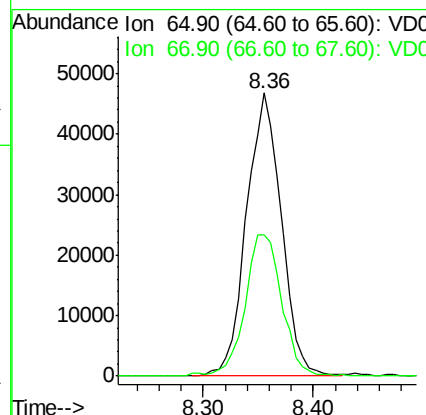
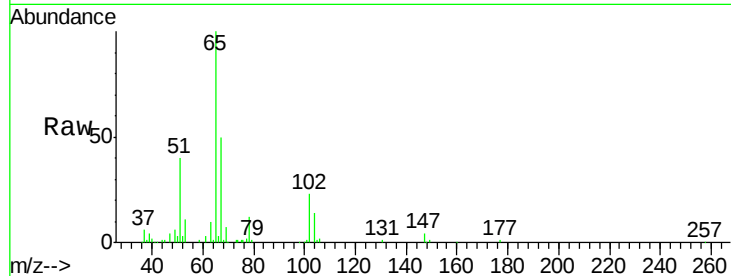




#33
 1,2-Dichloroethane-d4
 Concen: 51.815 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

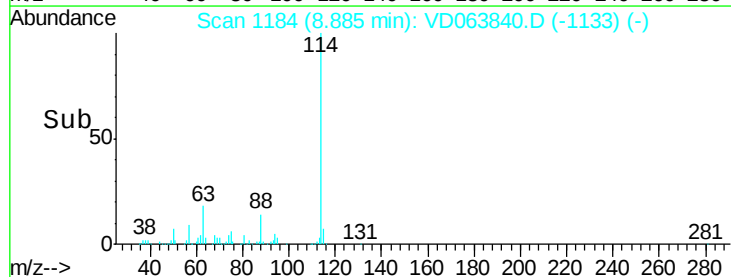
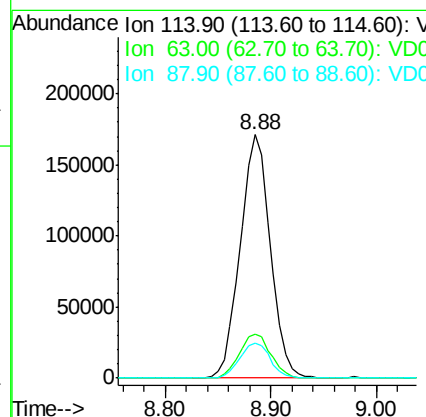
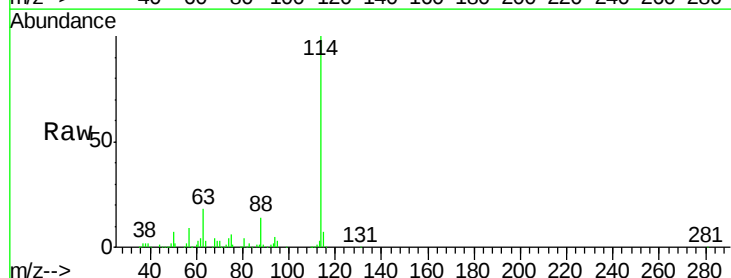
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

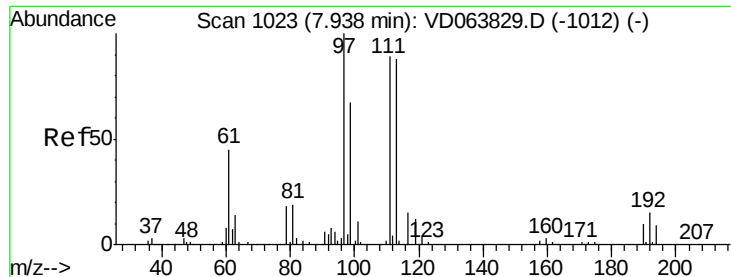
Tot Ion: 65 Resp: 103958
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.88 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 114 Resp: 338495
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.2
 88 14.4 0.0 28.4

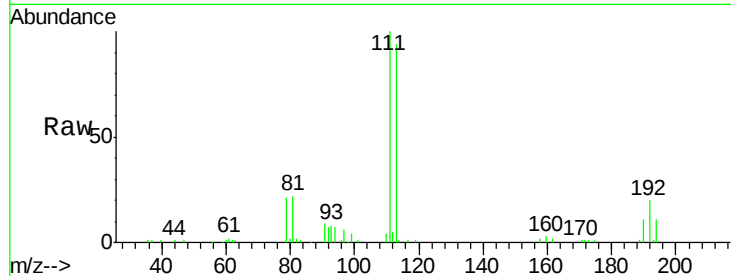




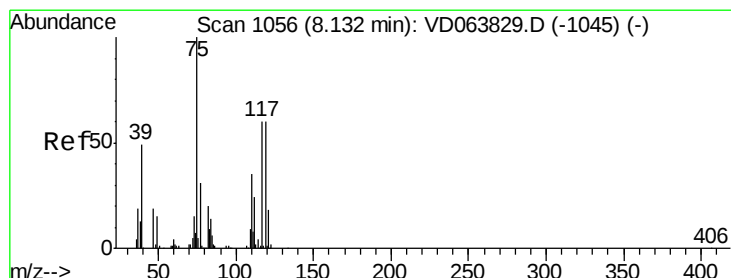
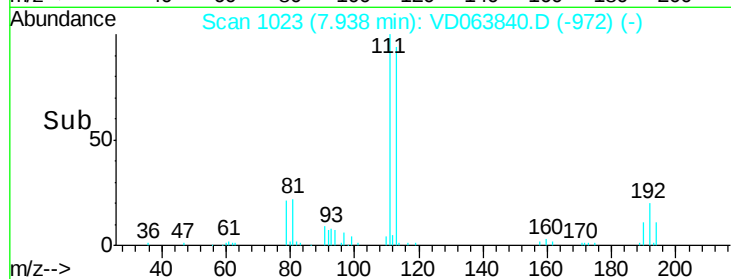
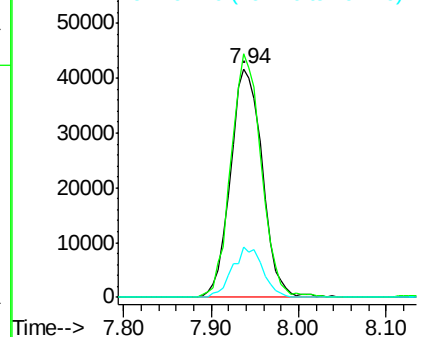
#35
 Dibromofluoromethane
 Concen: 47.888 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleID :
 MDL02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	77.7	116.5
192	20.9	15.9	23.9

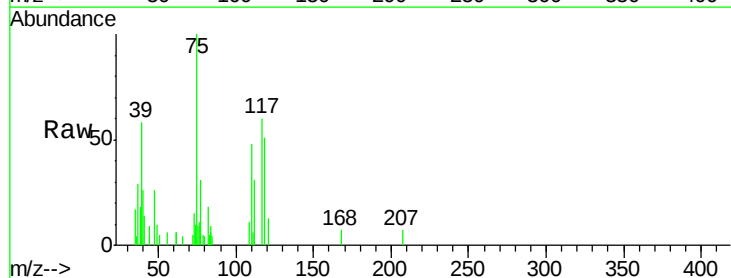


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

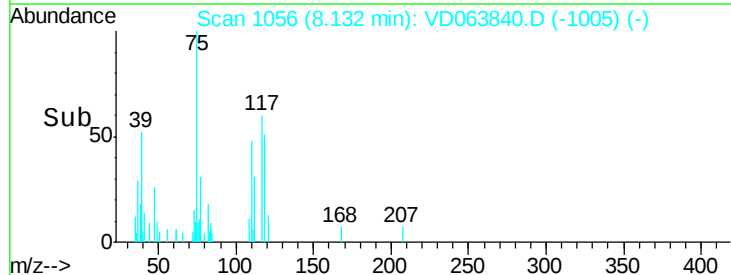
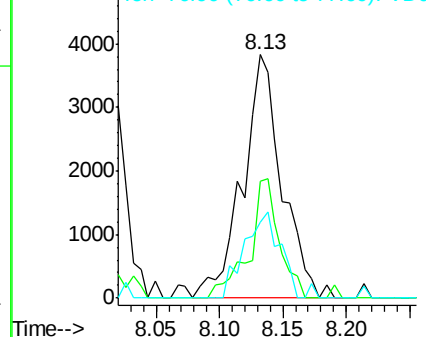


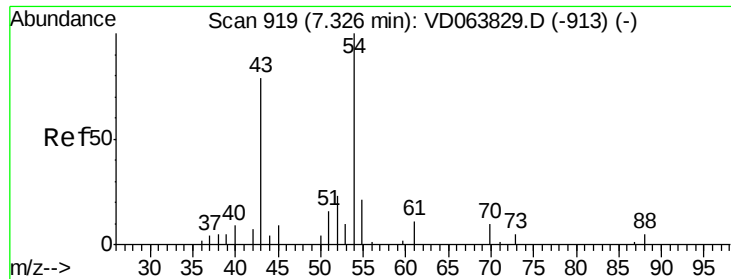
#36
 1,1-Dichloropropene
 Concen: 2.679 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	17.5	52.5
77	32.1	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

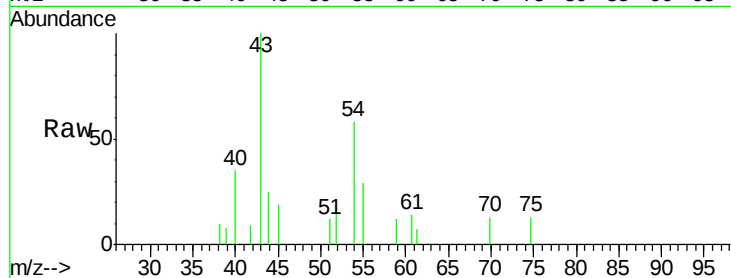




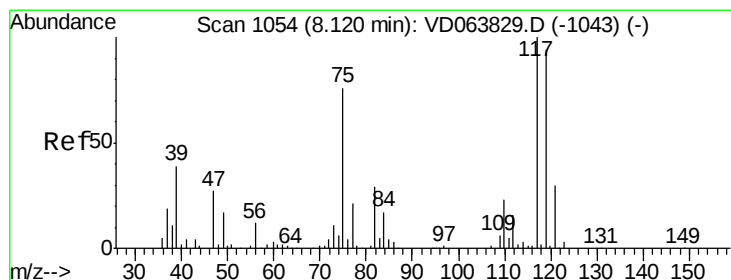
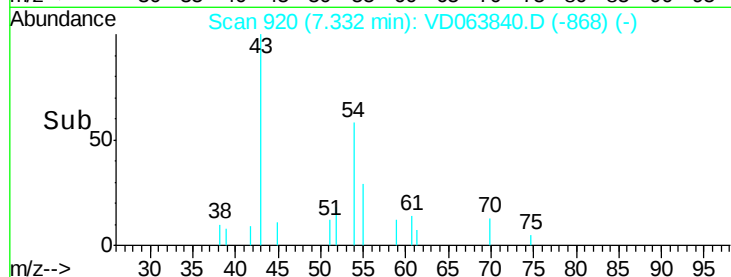
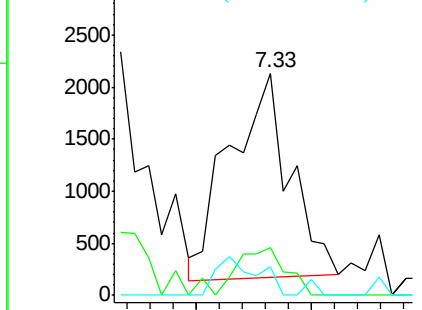
#37
Ethyl Acetate
Concen: 2.749 ug/l
RT: 7.33 min Scan# 920
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Instrument :
MSVOA_D
ClientSampleID :
MDL02

Tot Ion: 43 Resp: 3545
Ion Ratio Lower Upper
43 100
61 18.6 12.7 19.1
70 1.6 8.3 12.5#

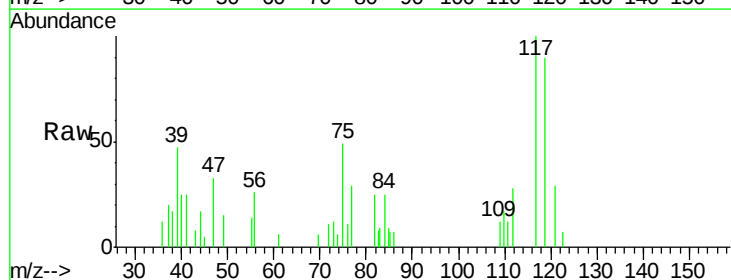


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

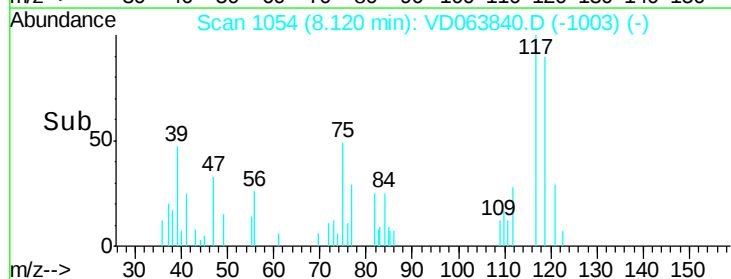
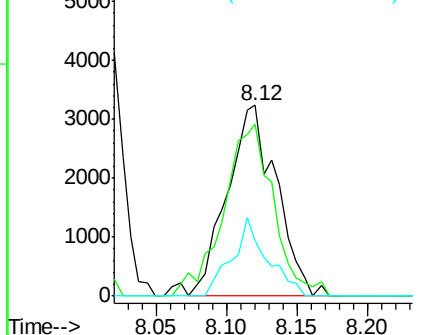


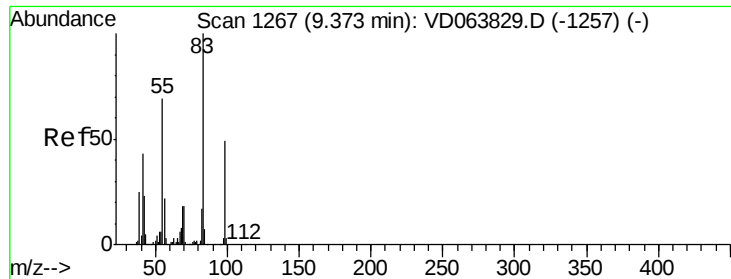
#38
Carbon Tetrachloride
Concen: 2.451 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 117 Resp: 7878
Ion Ratio Lower Upper
117 100
119 90.2 75.2 112.8
121 29.1 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

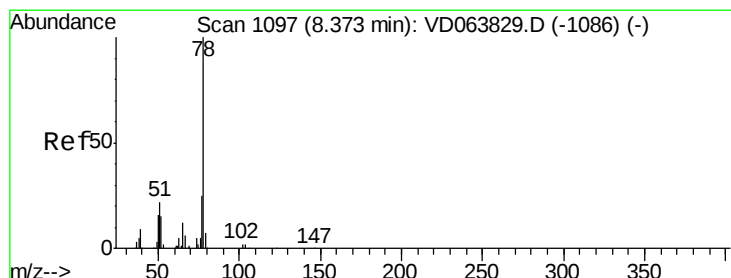
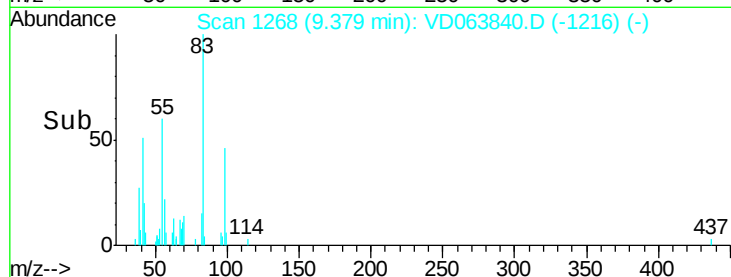
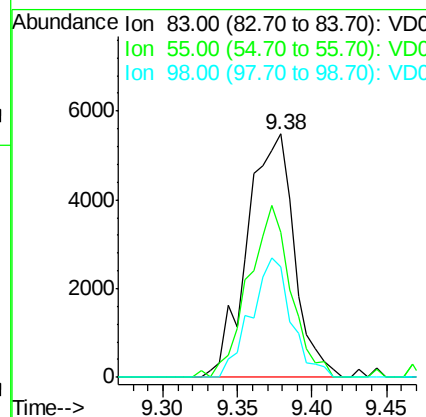
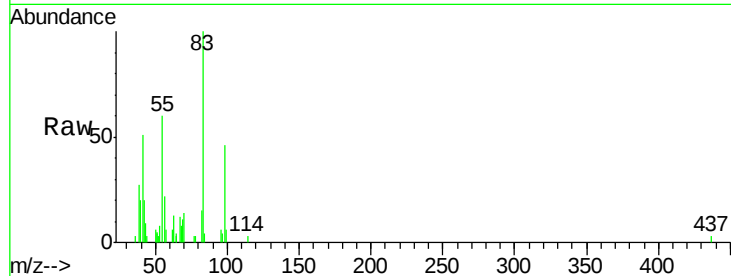




#39
Methvlcvclohexane
Concen: 3.108 ug/l
RT: 9.38 min Scan# 1268
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

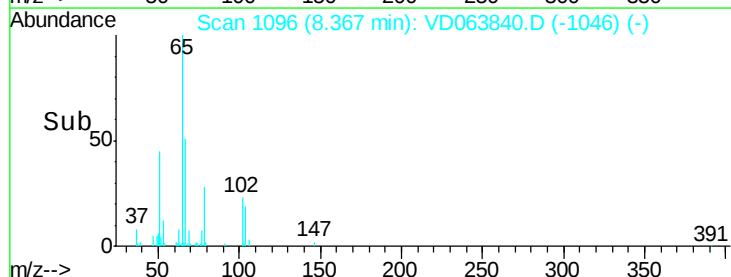
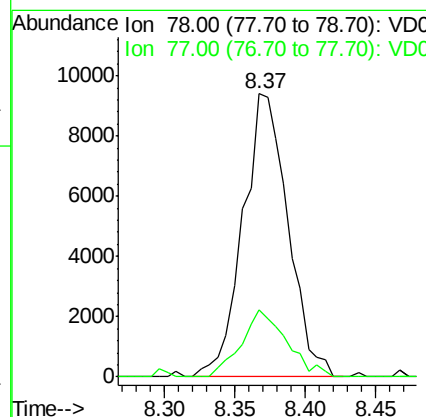
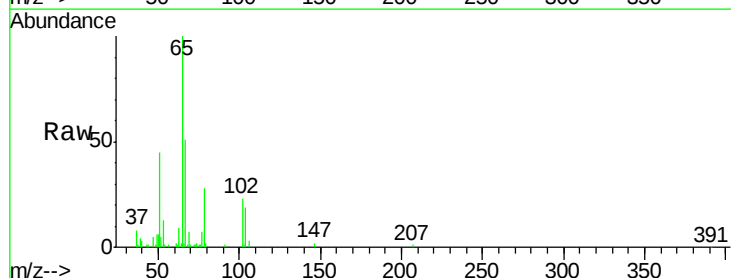
Instrument :
MSVOA_D
ClientSampleId :
MDL02

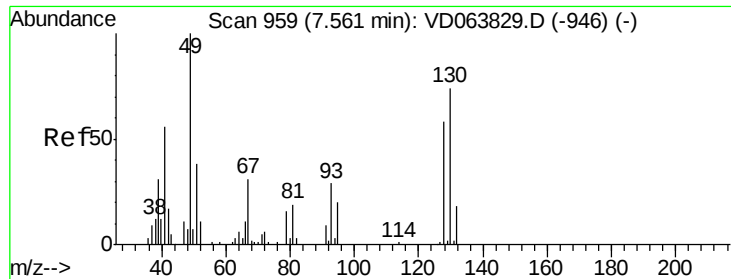
Tot Ion: 83 Resp: 11949
Ion Ratio Lower Upper
83 100
55 59.7 54.9 82.3
98 45.6 39.0 58.6



#40
Benzene
Concen: 2.477 ug/l
RT: 8.37 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 78 Resp: 21060
Ion Ratio Lower Upper
78 100
77 23.7 19.8 29.6

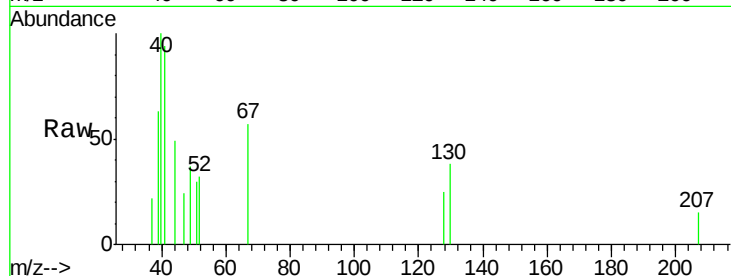




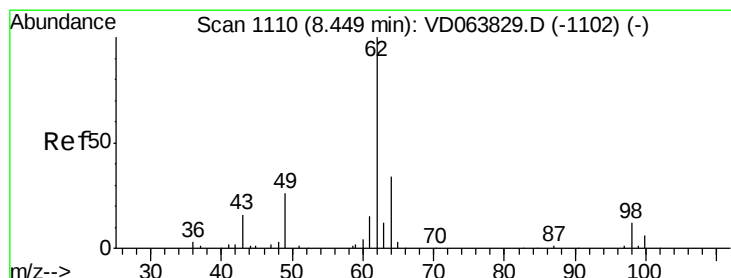
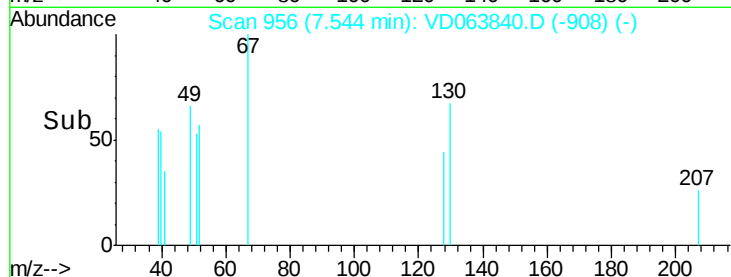
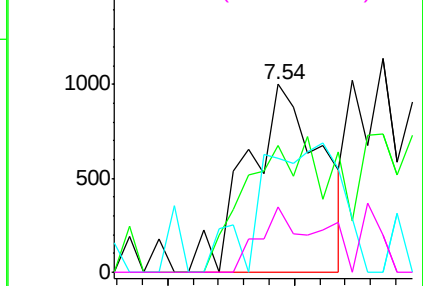
#41
Methacrylonitrile
Concen: 2.634 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.02 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :
MDL02

Tot Ion: 41 Resp: 2006
Ion Ratio Lower Upper
41 100
39 84.8 52.2 78.4#
67 78.7 58.6 87.8
52 28.3 26.6 39.8

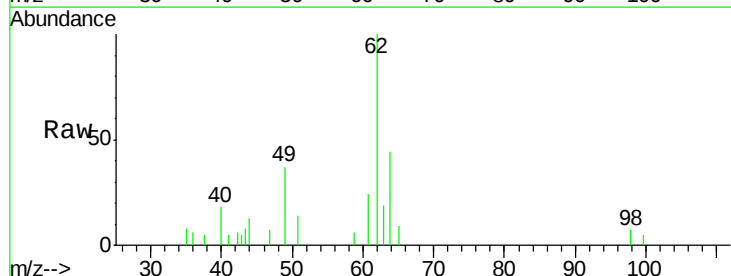


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

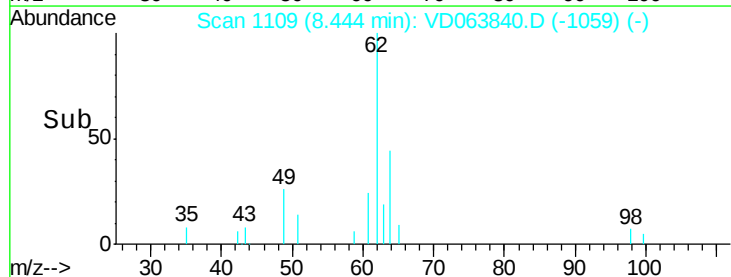
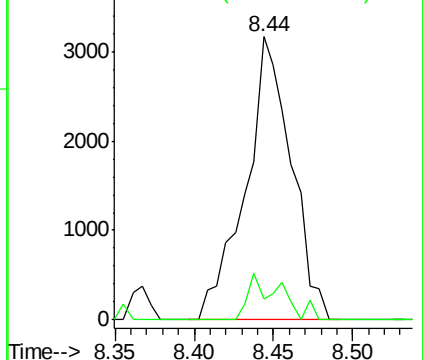


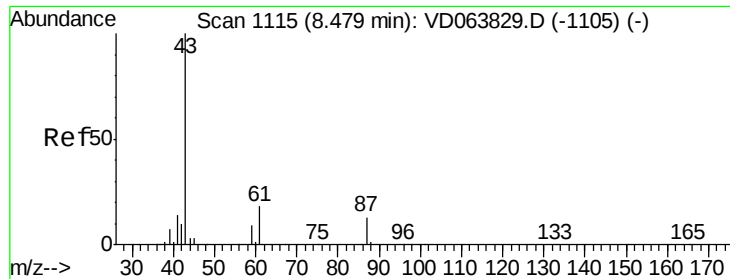
#42
1,2-Dichloroethane
Concen: 2.551 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 62 Resp: 6344
Ion Ratio Lower Upper
62 100
98 11.5 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 2.758 ug/l

RT: 8.47 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

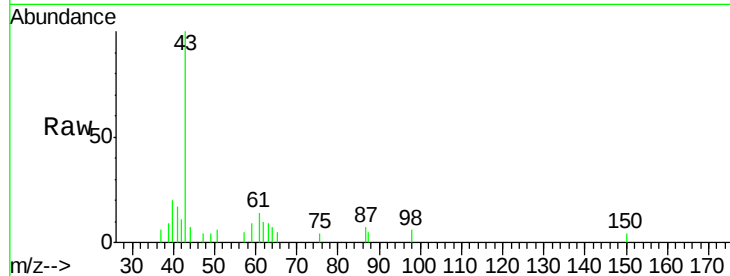
Tot Ion: 43 Resp: 7130

Ion Ratio Lower Upper

43 100

61 0.0 24.6 37.0#

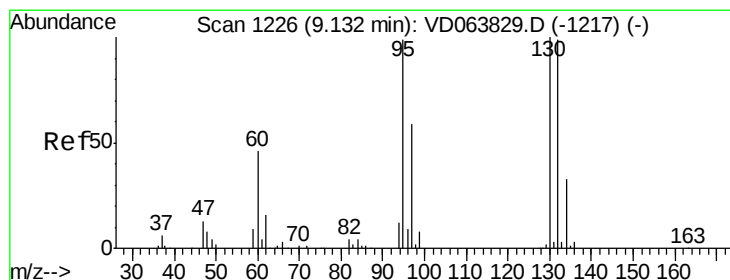
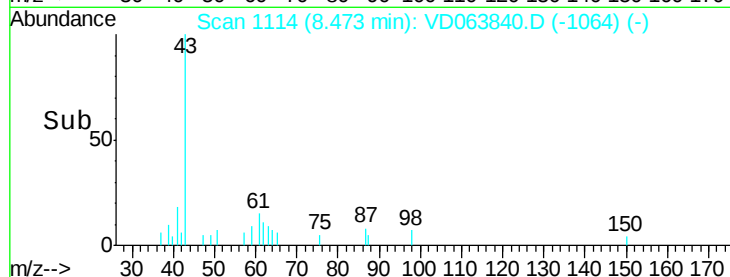
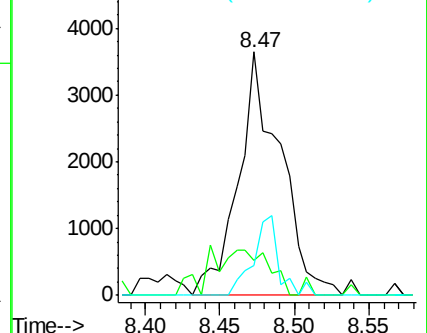
87 19.7 10.5 15.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 2.664 ug/l

RT: 9.14 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD063840.D

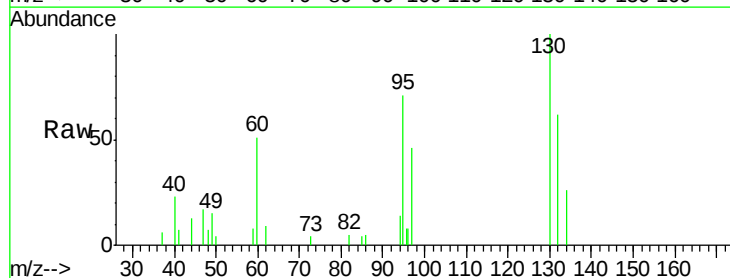
Acq: 26 Sep 2019 16:25

Tgt Ion:130 Resp: 6559

Ion Ratio Lower Upper

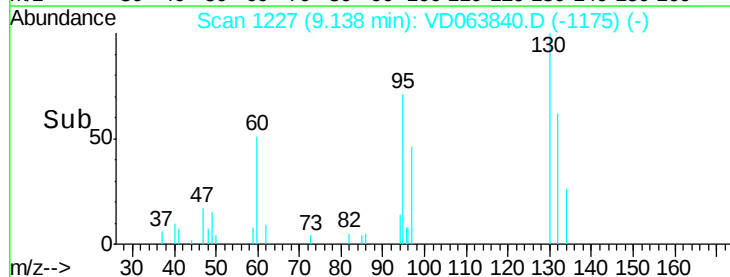
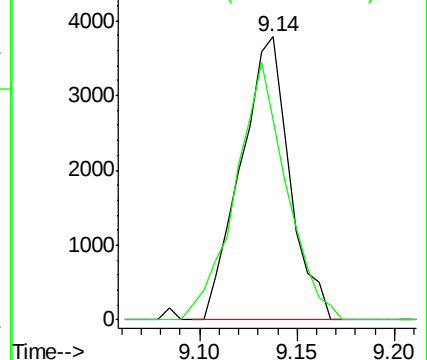
130 100

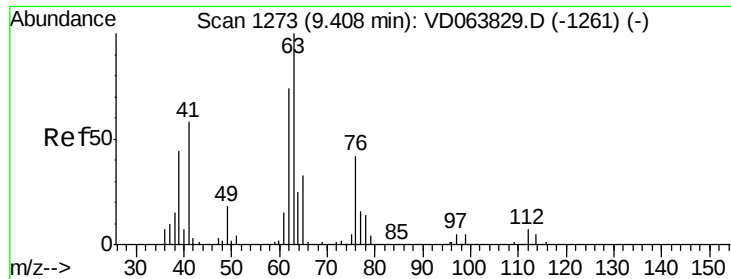
95 70.6 0.0 198.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

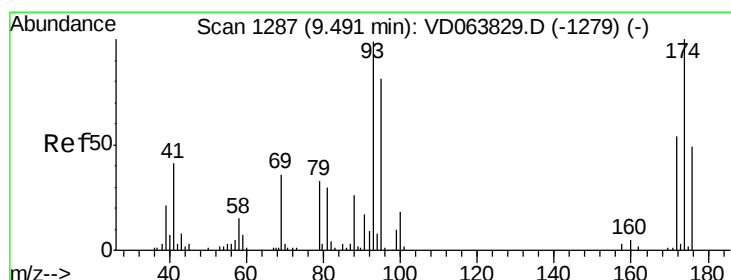
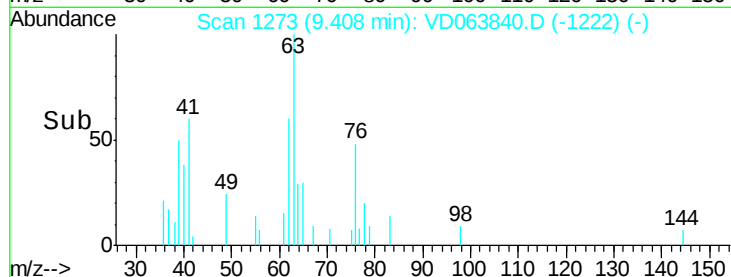
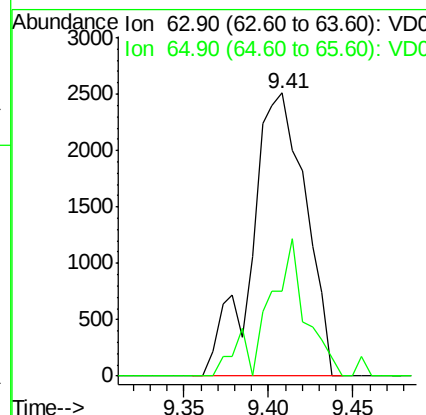
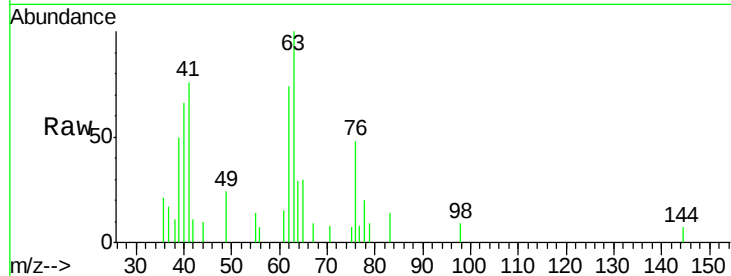




#45
 1,2-Dichloropropane
 Concen: 2.659 ug/l
 RT: 9.41 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

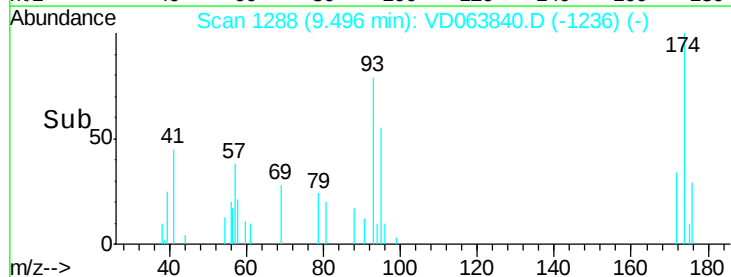
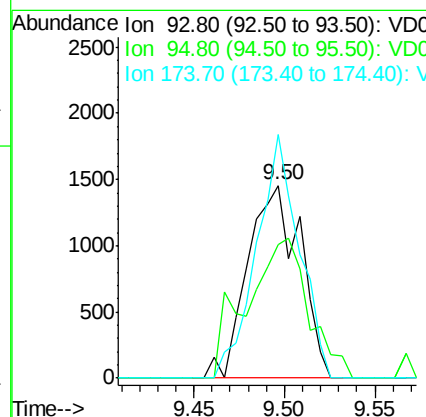
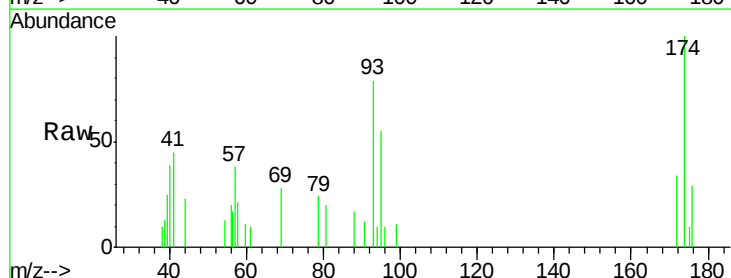
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

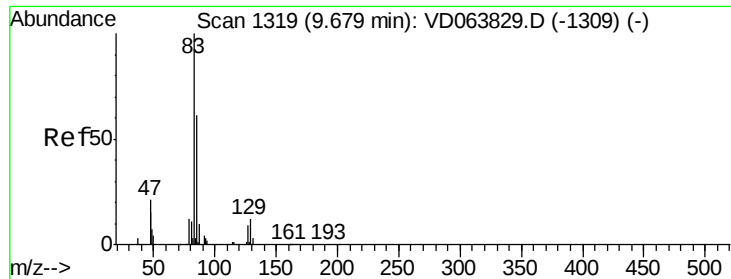
Tot Ion: 63 Resp: 5586
 Ion Ratio Lower Upper
 63 100
 65 30.1 26.8 40.2



#46
 Dibromomethane
 Concen: 2.481 ug/l
 RT: 9.50 min Scan# 1288
 Delta R.T. 0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 93 Resp: 2941
 Ion Ratio Lower Upper
 93 100
 95 85.5 63.8 95.8
 174 102.6 84.2 126.2





#47

Bromodichloromethane

Concen: 2.634 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

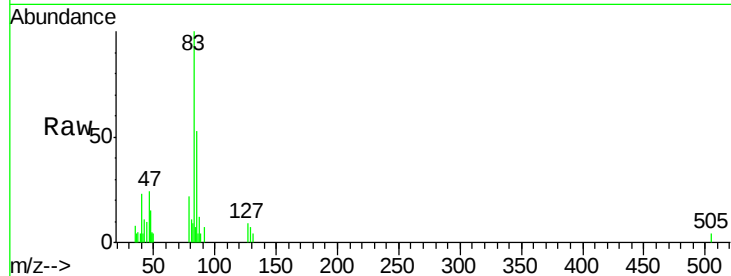
Tot Ion: 83 Resp: 8050

Ion Ratio Lower Upper

83 100

85 53.4 48.6 73.0

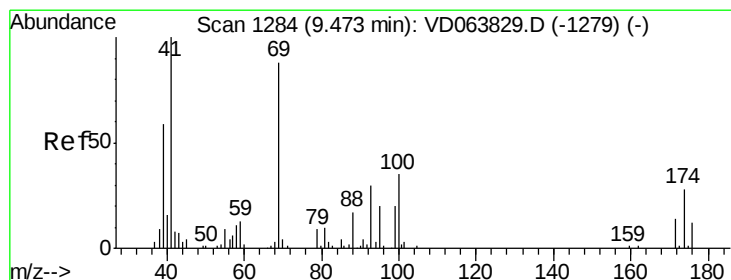
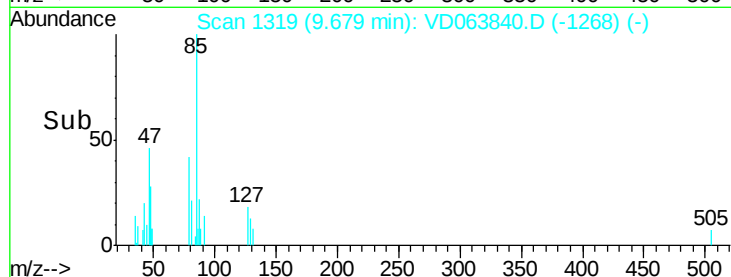
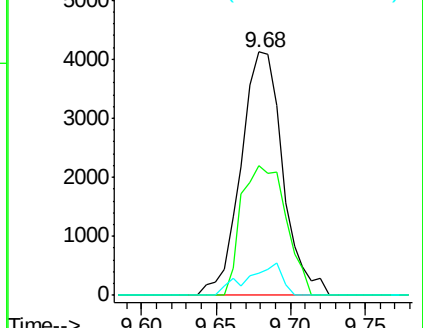
127 9.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2.251 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

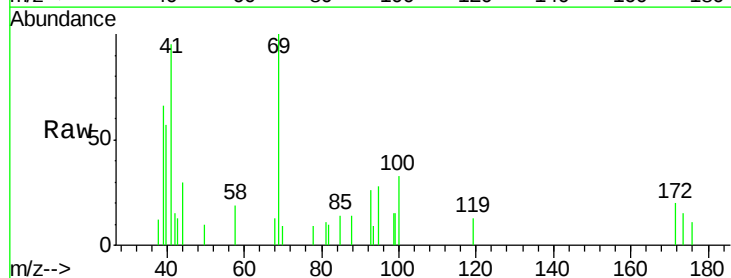
Tgt Ion: 41 Resp: 2647

Ion Ratio Lower Upper

41 100

69 122.6 71.7 107.5#

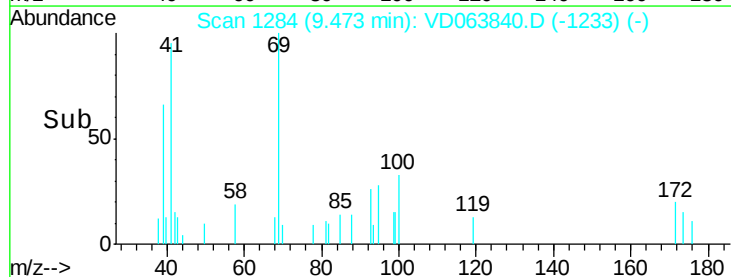
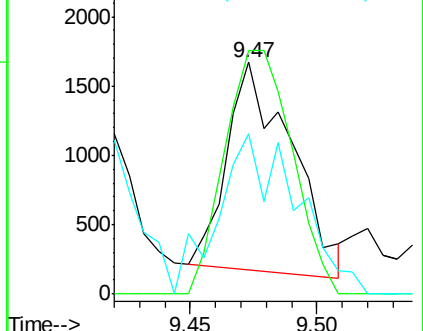
39 94.1 51.7 77.5#

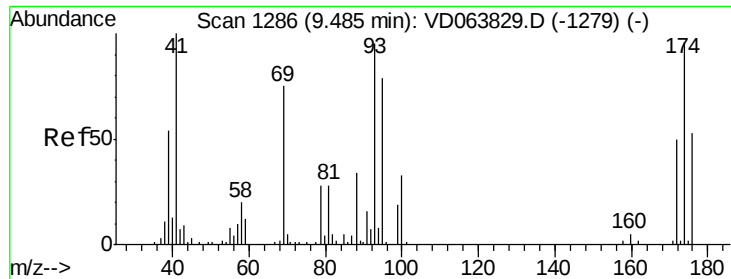


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

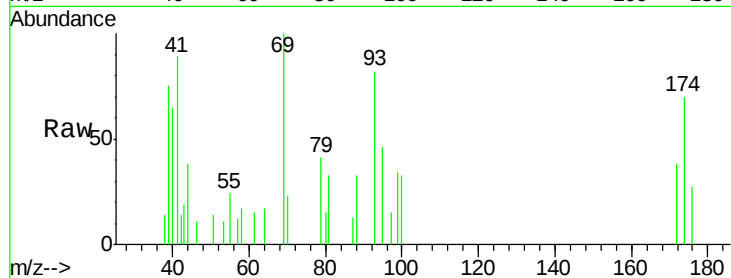




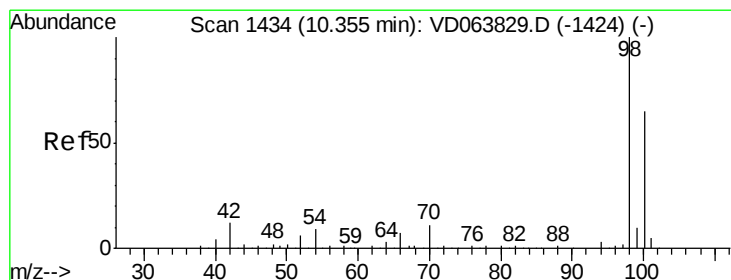
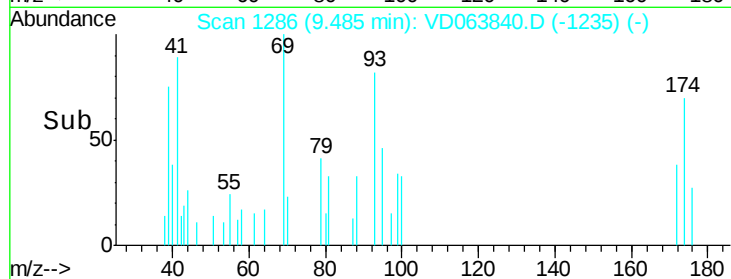
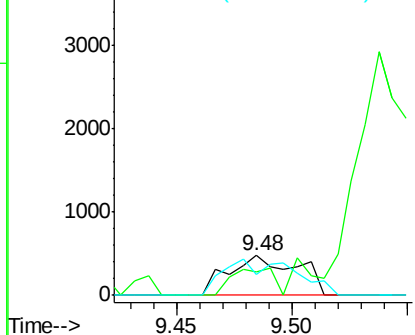
#49
1,4-Dioxane
Concen: 59.738 ug/l
RT: 9.48 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :
MDL02

Tot Ion: 88 Resp: 988
Ion Ratio Lower Upper
88 100
43 41.1 25.8 38.6#
58 44.8 55.9 83.9#

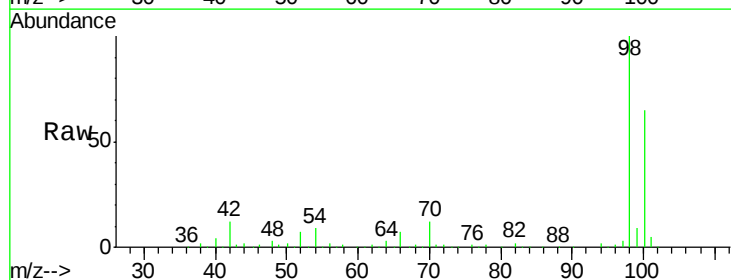


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

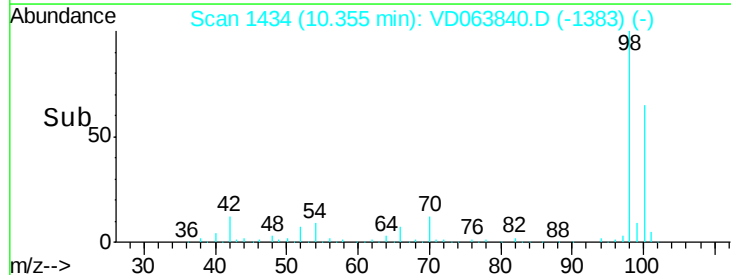
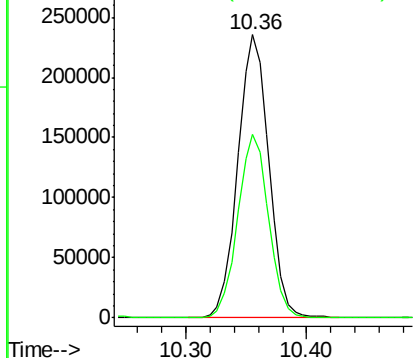


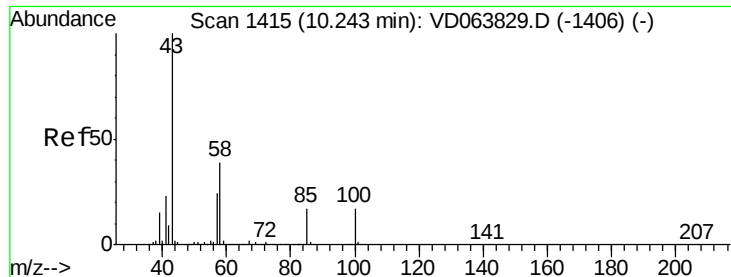
#50
Toluene-d8
Concen: 52.189 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion: 98 Resp: 422133
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 12.957 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleID :

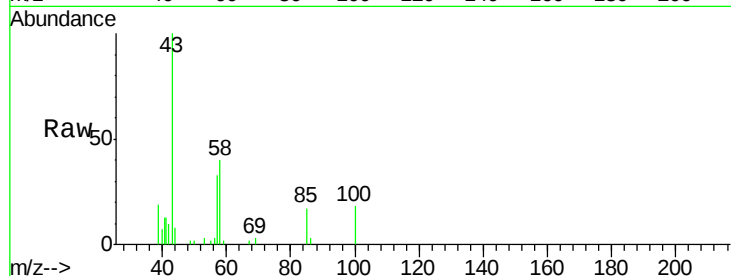
MDL02

Tot Ion: 43 Resp: 16874

Ion Ratio Lower Upper

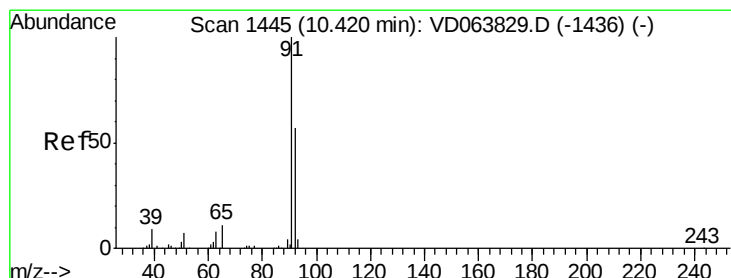
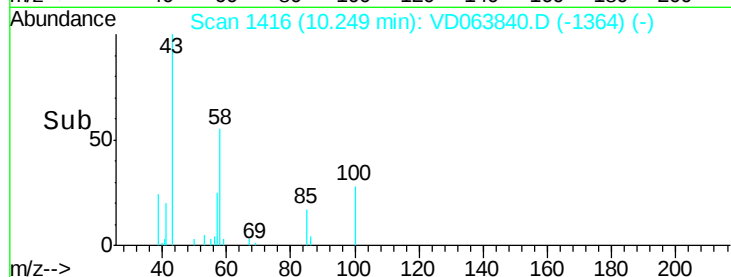
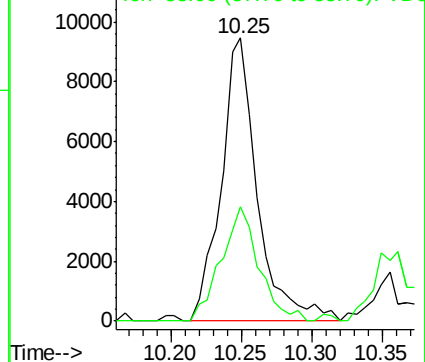
43 100

58 42.0 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 2.757 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VD063840.D

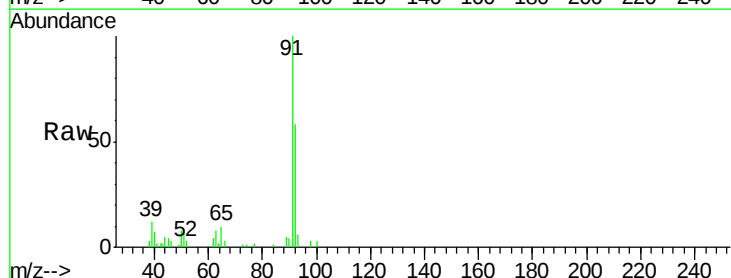
Acq: 26 Sep 2019 16:25

Tgt Ion: 92 Resp: 15894

Ion Ratio Lower Upper

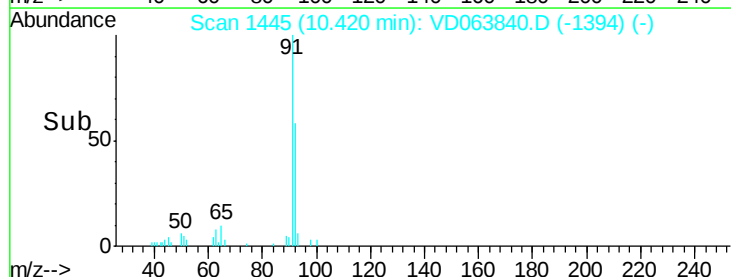
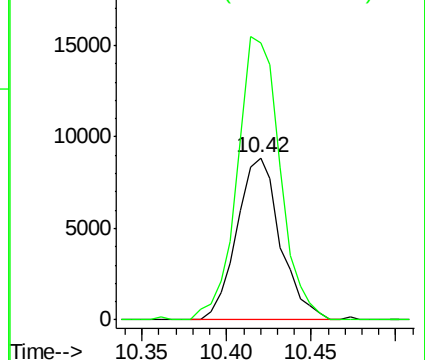
92 100

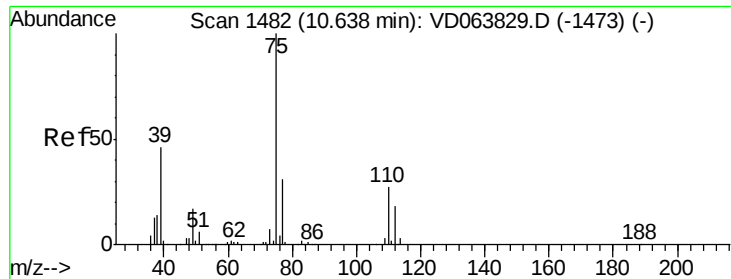
91 171.9 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 2.354 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

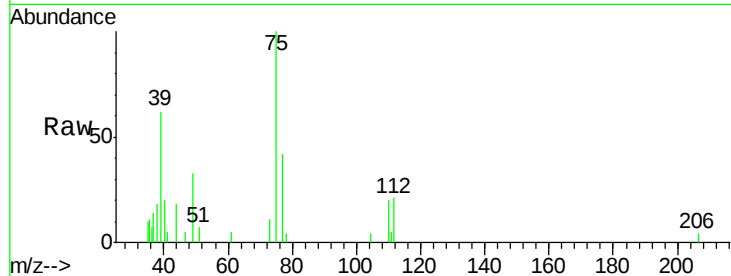
MDL02

Tot Ion: 75 Resp: 7130

Ion Ratio Lower Upper

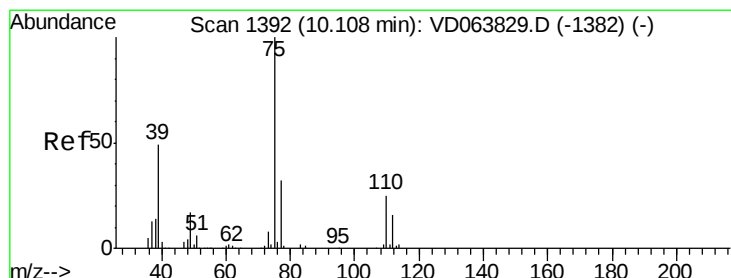
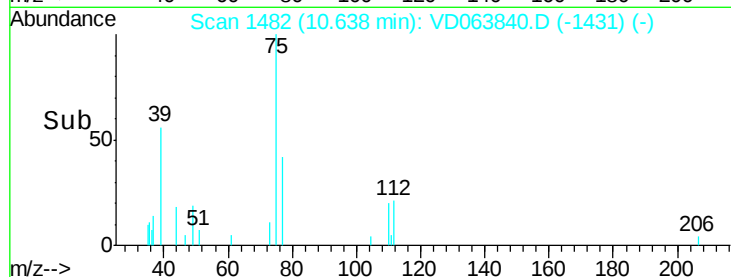
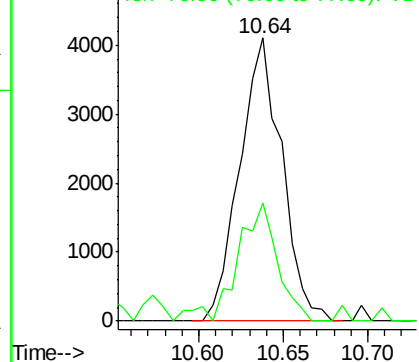
75 100

77 37.9 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 2.543 ug/l

RT: 10.11 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

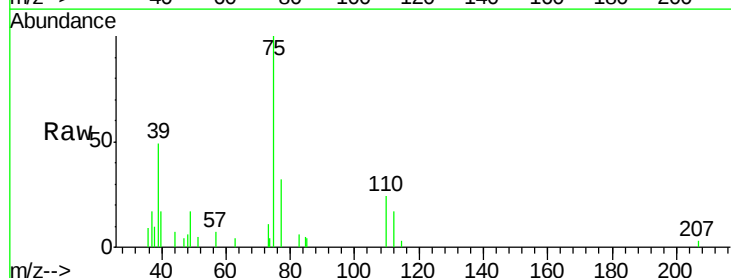
Tgt Ion: 75 Resp: 8745

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

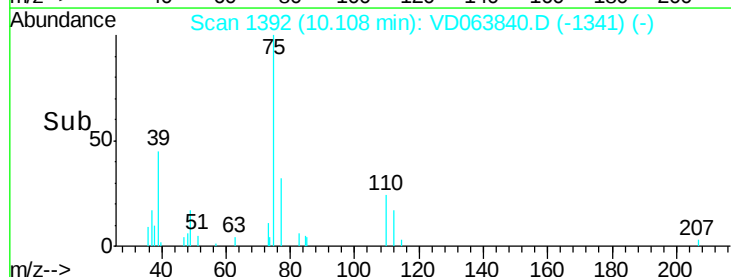
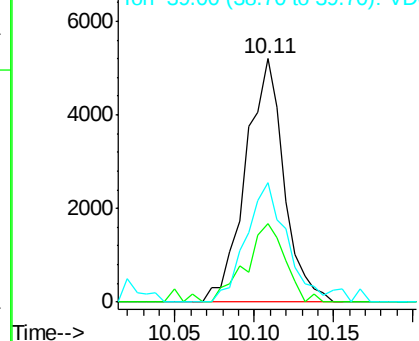
39 49.0 39.5 59.3

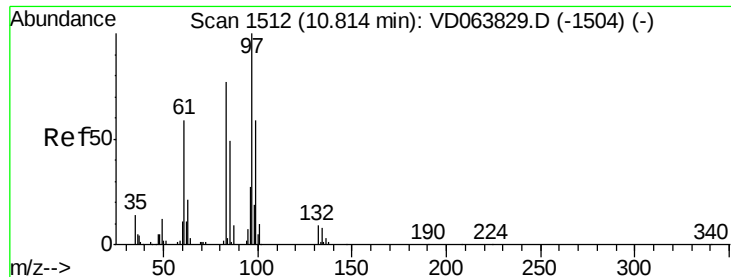


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

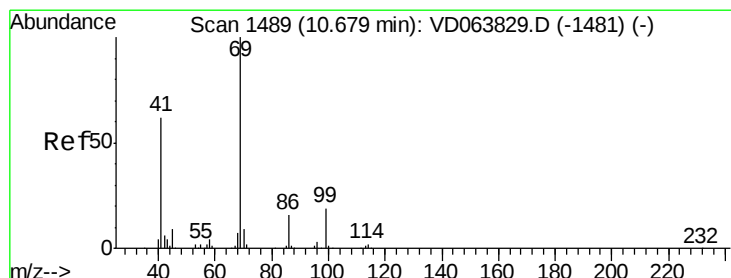
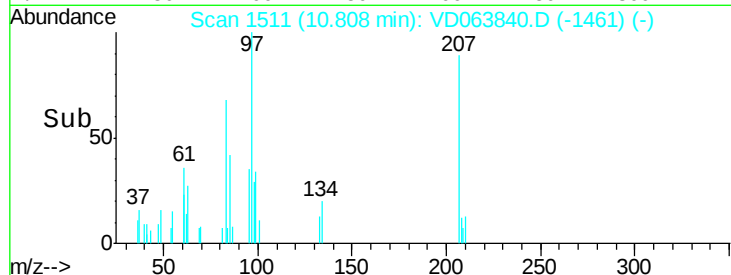
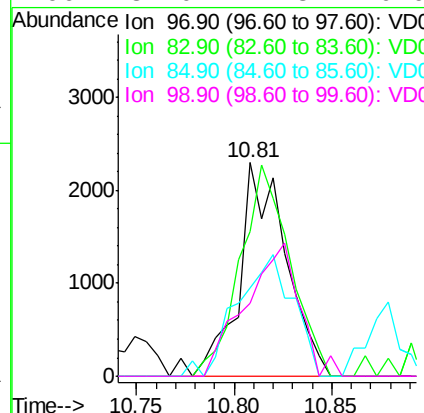
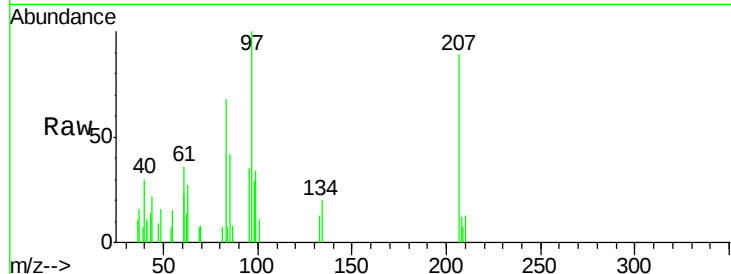




#55
 1,1,2-Trichloroethane
 Concen: 2.280 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

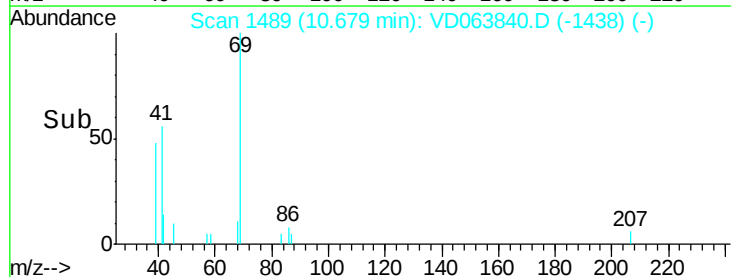
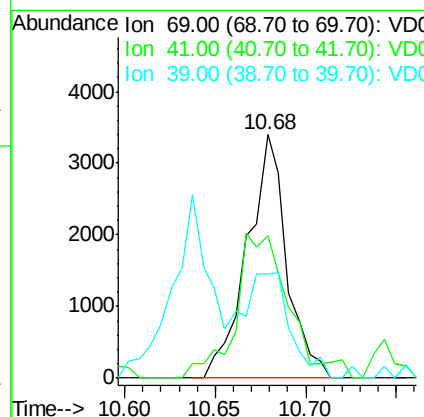
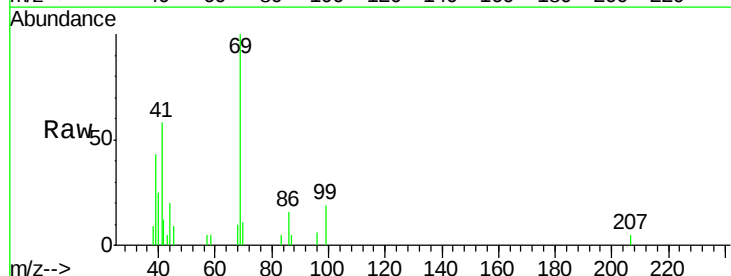
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

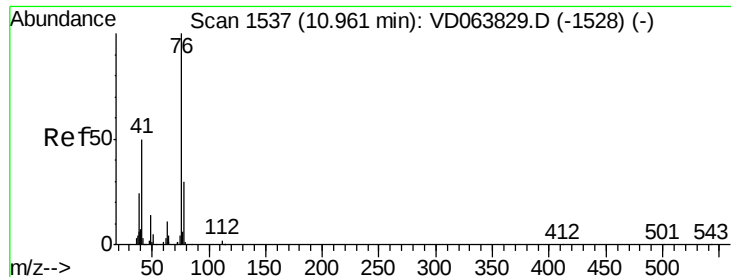
Tot Ion: 97 Resp: 3820
 Ion Ratio Lower Upper
 97 100
 83 67.5 61.9 92.9
 85 41.6 39.4 59.2
 99 34.0 47.3 70.9#



#56
 Ethyl methacrylate
 Concen: 2.416 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 69 Resp: 5144
 Ion Ratio Lower Upper
 69 100
 41 80.4 52.2 78.4#
 39 40.5 28.7 43.1

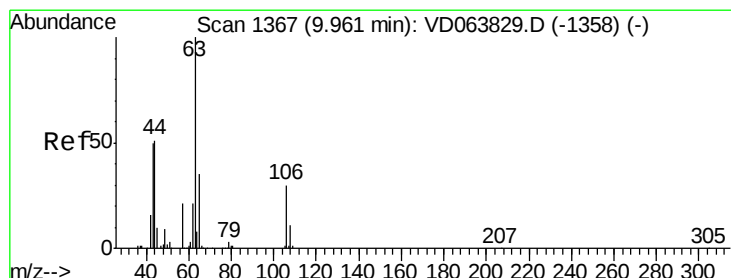
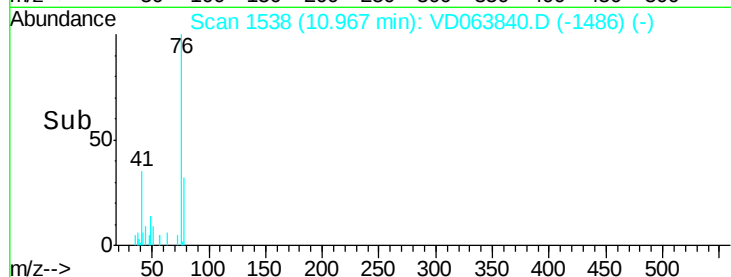
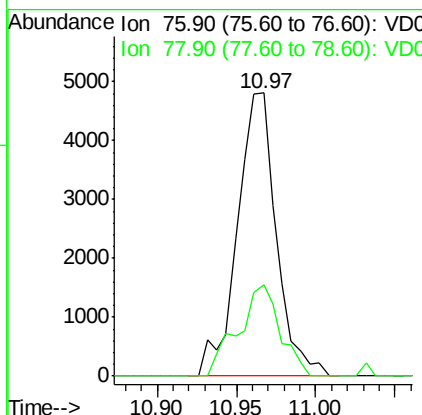
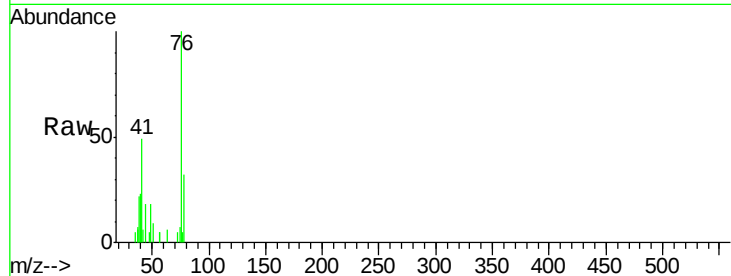




#57
 1,3-Dichloropropane
 Concen: 2.890 ug/l
 RT: 10.97 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

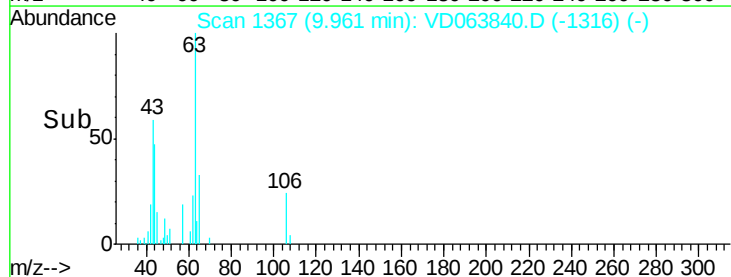
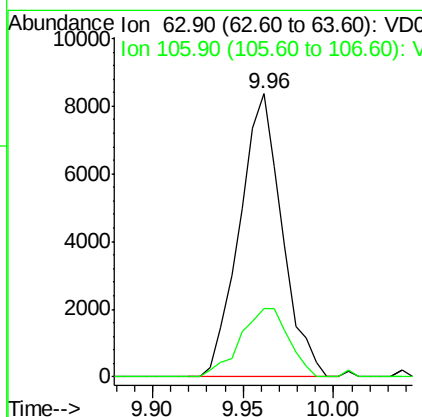
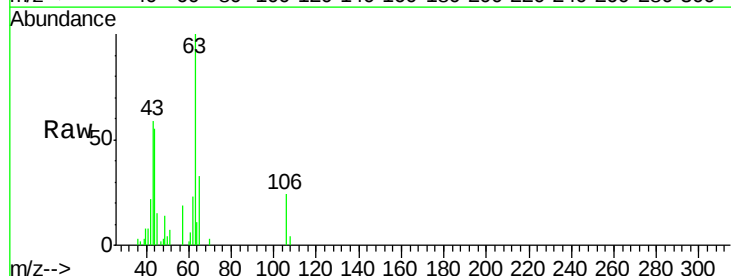
Instrument :
 MSVOA_D
 ClientSampled :
 MDL02

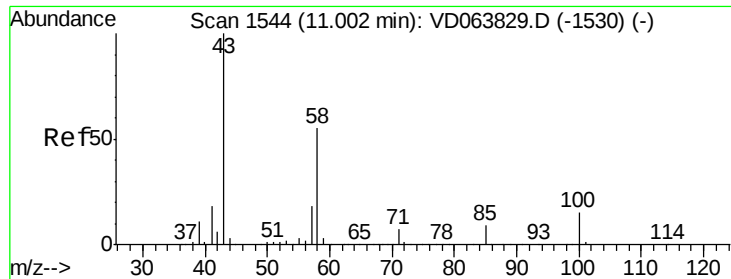
Tot Ion: 76 Resp: 8226
 Ion Ratio Lower Upper
 76 100
 78 34.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.293 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 63 Resp: 13602
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.4 35.0





#59

2-Hexanone

Concen: 12.928 ug/l

RT: 11.00 min Scan# 1544

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

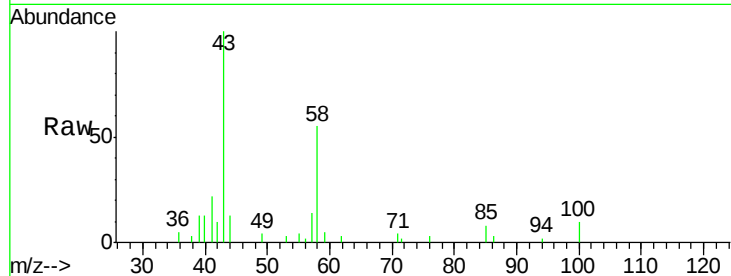
MDL02

Tot Ion: 43 Resp: 12013

Ion Ratio Lower Upper

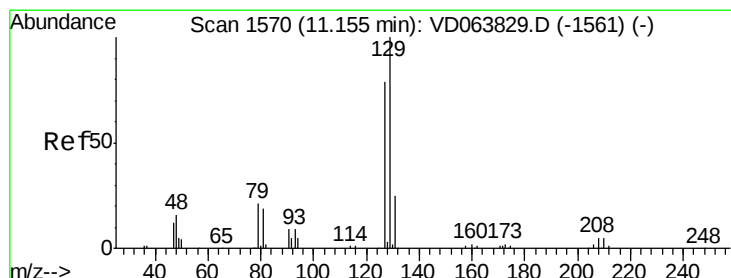
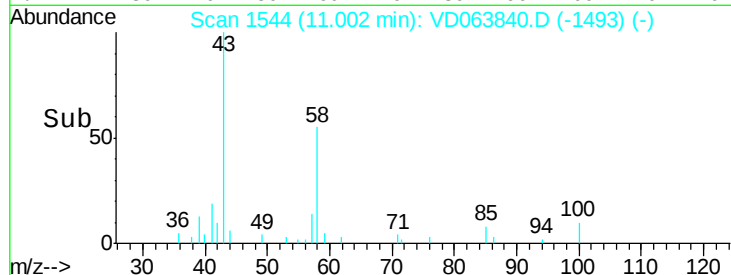
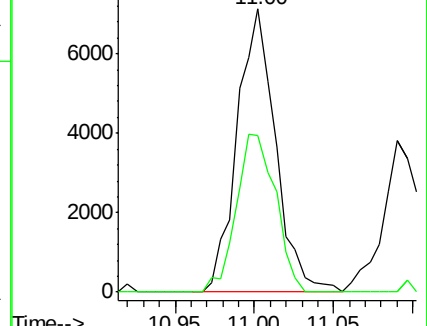
43 100

58 57.0 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 2.327 ug/l

RT: 11.16 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VD063840.D

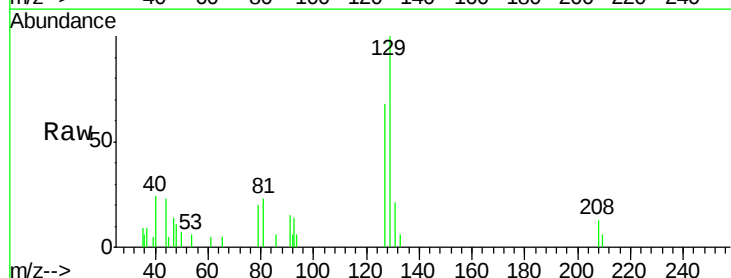
Acq: 26 Sep 2019 16:25

Tgt Ion: 129 Resp: 5144

Ion Ratio Lower Upper

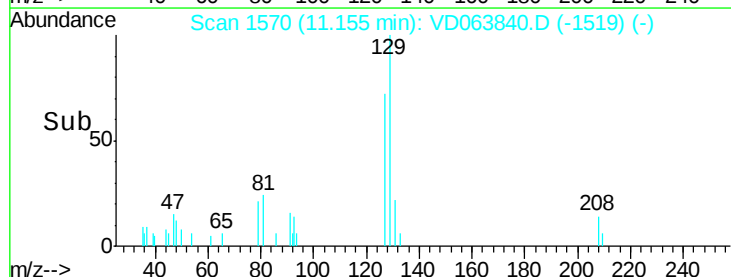
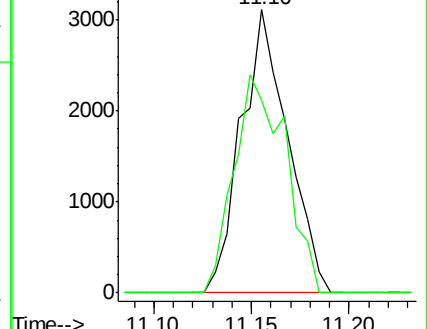
129 100

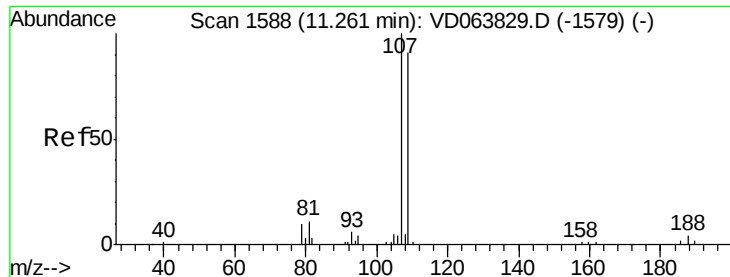
127 85.1 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

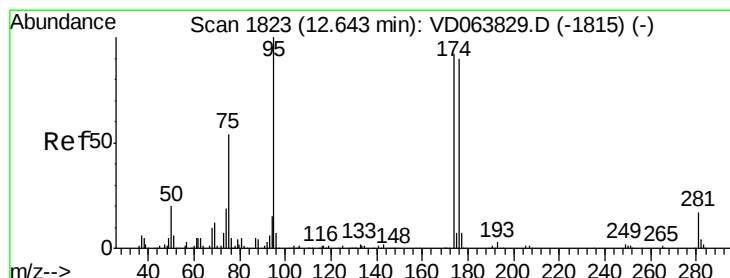
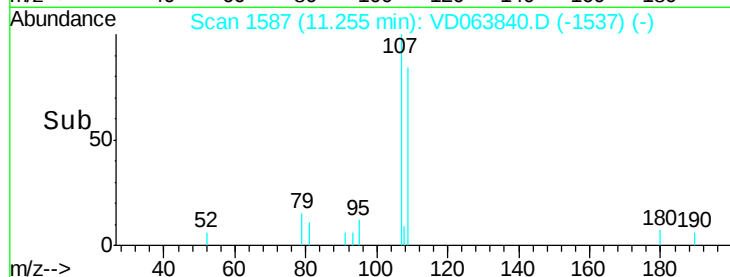
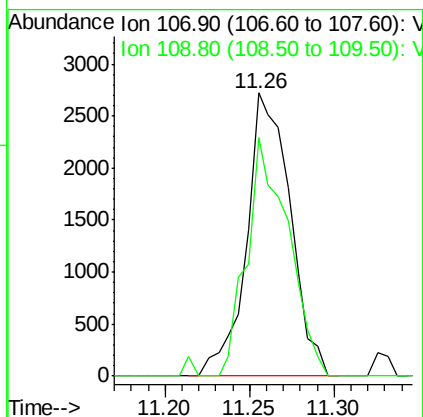
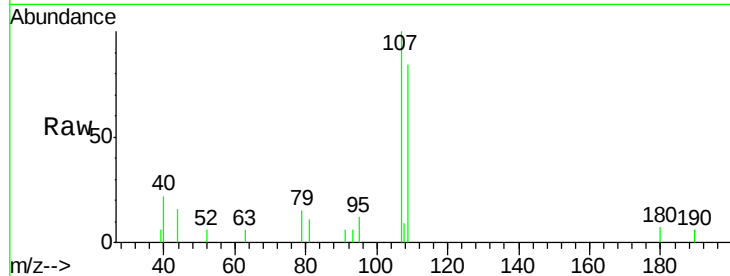




#61
 1,2-Dibromoethane
 Concen: 2.921 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

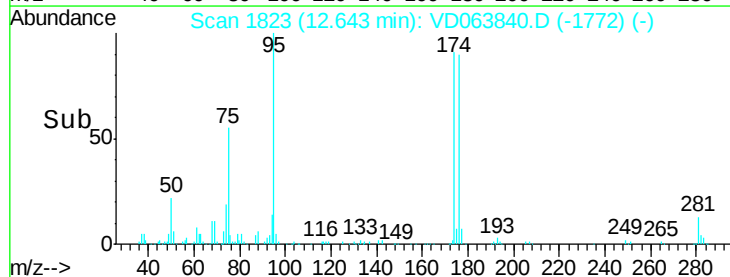
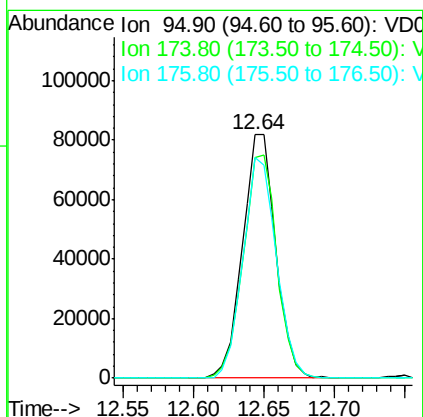
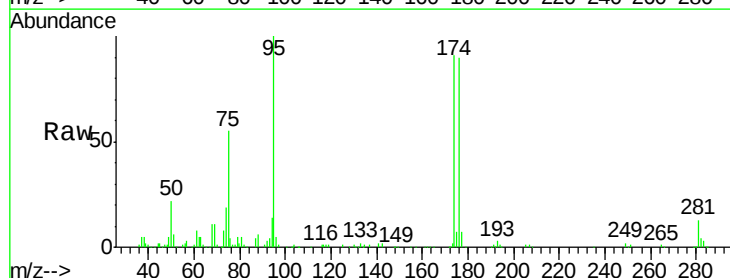
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

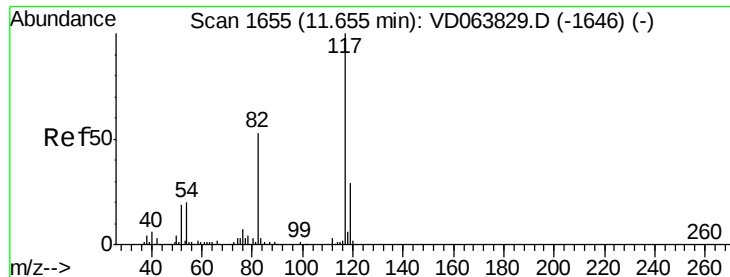
Tot Ion: 107 Resp: 4892
 Ion Ratio Lower Upper
 107 100
 109 80.0 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 46.566 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 95 Resp: 135170
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 183.2
 176 91.0 0.0 177.4

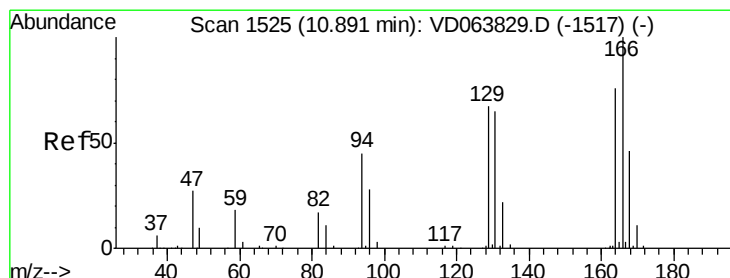
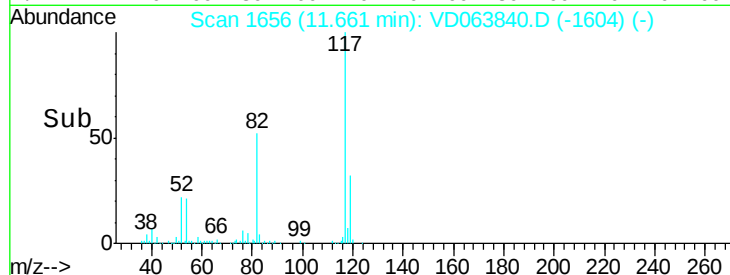
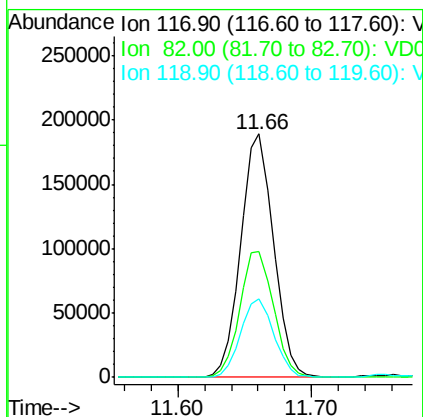
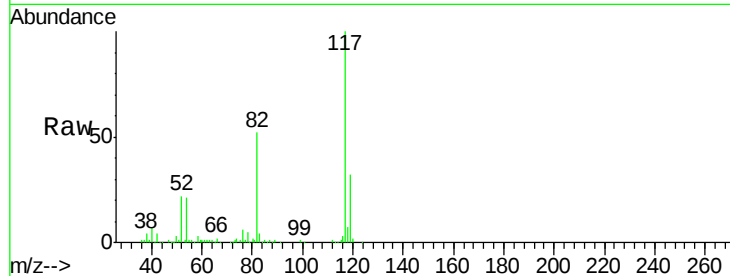




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

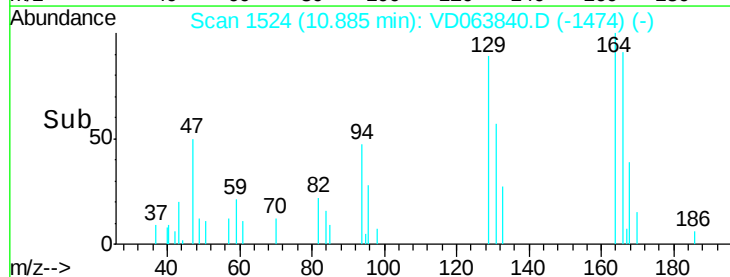
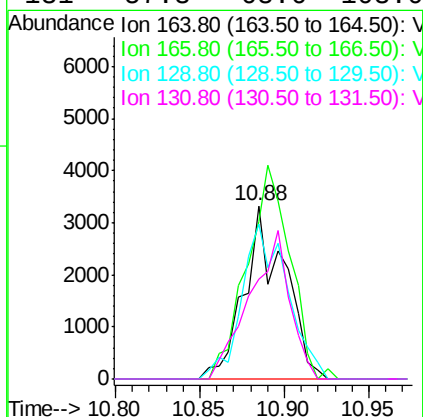
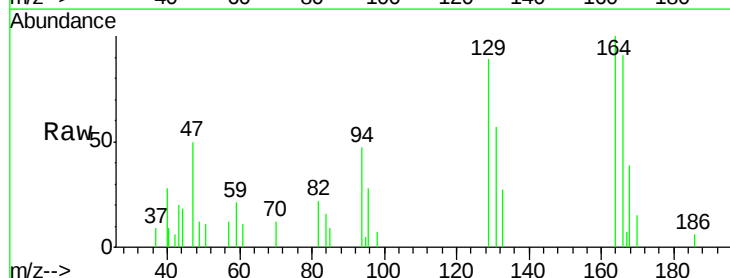
Instrument :
MSVOA_D
ClientSampleId :
MDL02

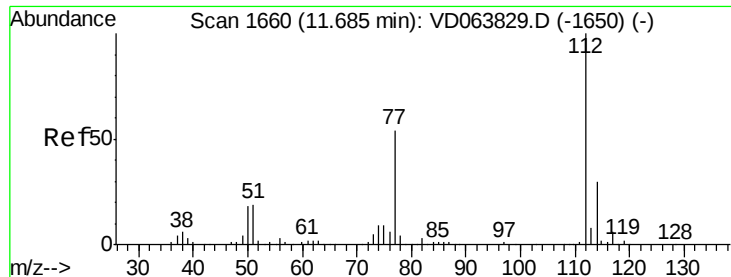
Tot Ion:117 Resp: 321582
Ion Ratio Lower Upper
117 100
82 51.6 42.4 63.6
119 32.2 23.5 35.3



#64
Tetrachloroethene
Concen: 2.555 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion:164 Resp: 5535
Ion Ratio Lower Upper
164 100
166 90.9 105.5 158.3#
129 89.1 70.2 105.4
131 57.3 68.6 103.0#

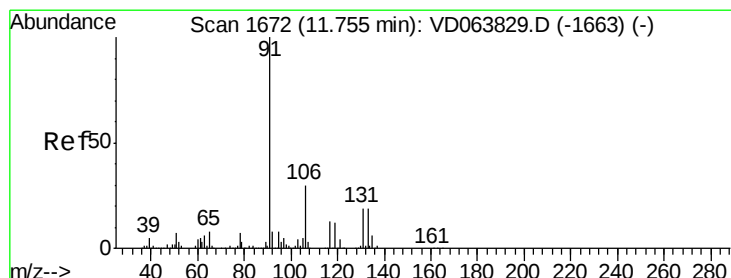
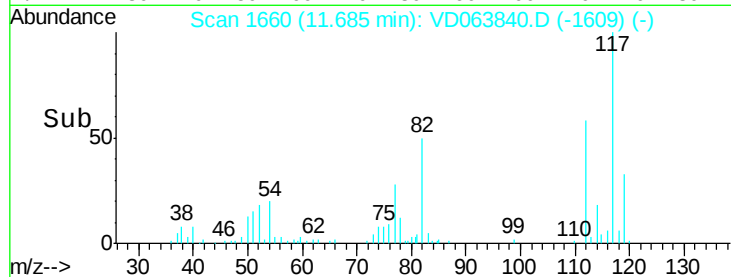
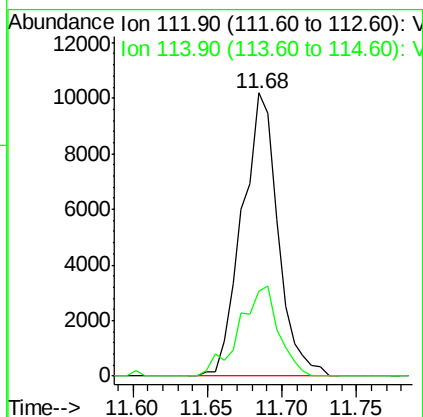
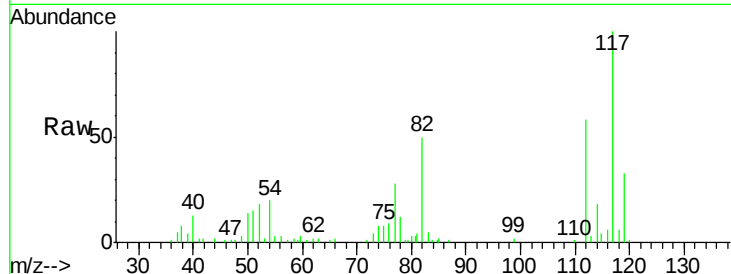




#65
Chlorobenzene
Concen: 2.631 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

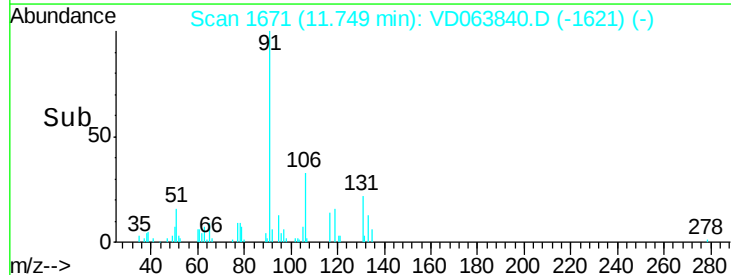
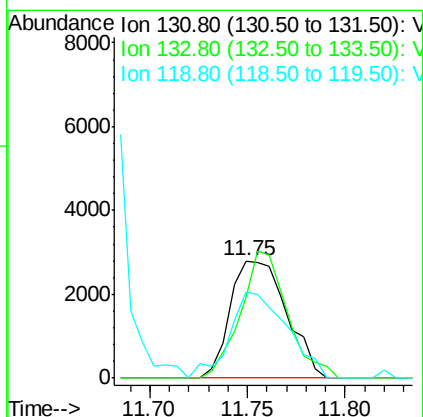
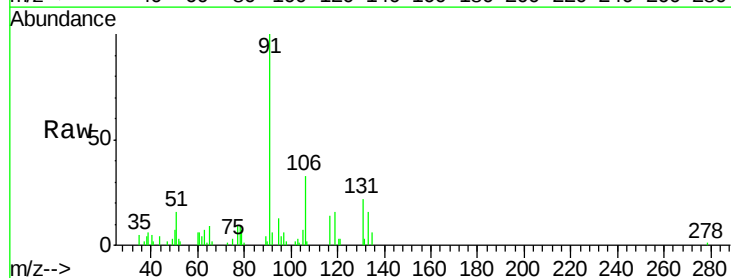
Instrument :
MSVOA_D
ClientSampleId :
MDL02

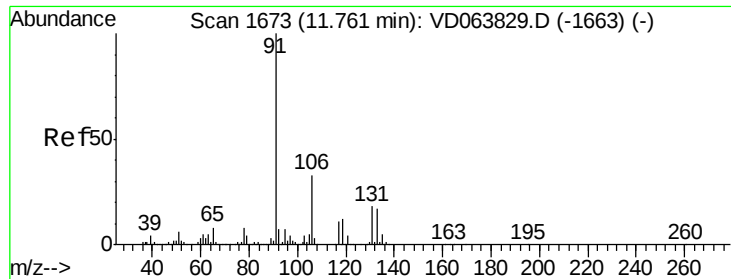
Tot Ion:112 Resp: 17022
Ion Ratio Lower Upper
112 100
114 30.2 24.2 36.2



#66
1,1,1,2-Tetrachloroethane
Concen: 2.353 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion:131 Resp: 5595
Ion Ratio Lower Upper
131 100
133 90.4 47.4 142.3
119 74.7 31.6 94.8





#67

Ethyl Benzene

Concen: 2.519 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

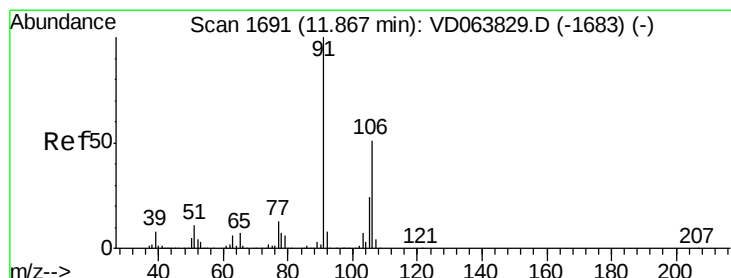
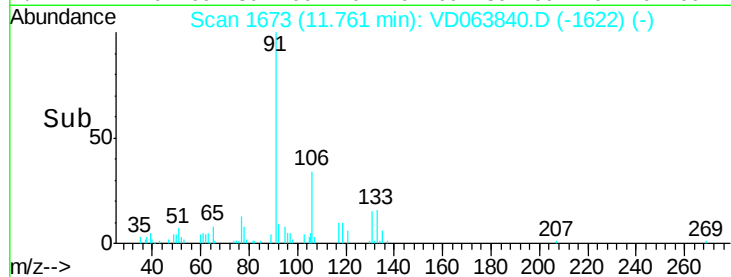
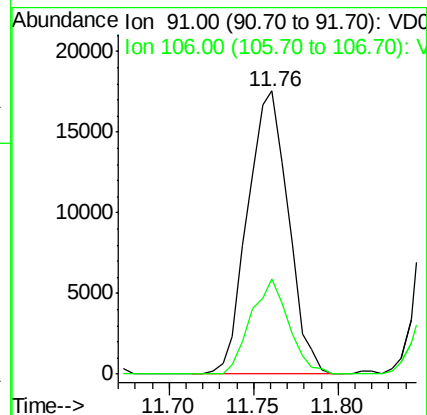
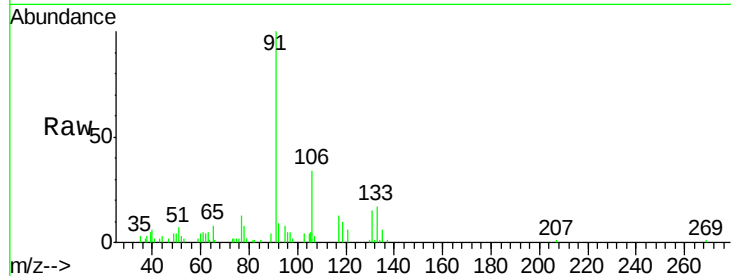
MDL02

Tot Ion: 91 Resp: 29437

Ion Ratio Lower Upper

91 100

106 33.6 26.6 40.0



#68

m/p-Xylenes

Concen: 4.939 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.01 min

Lab File: VD063840.D

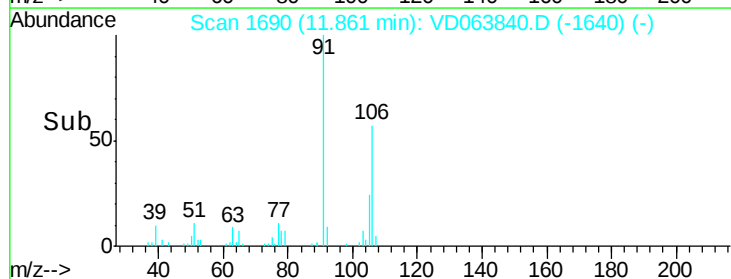
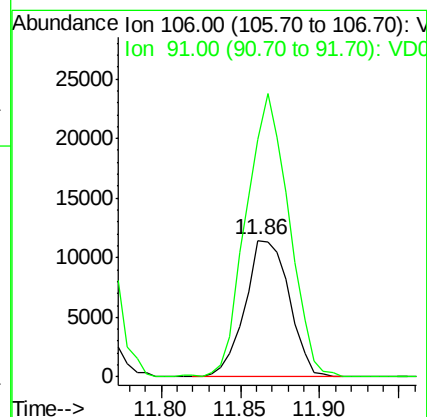
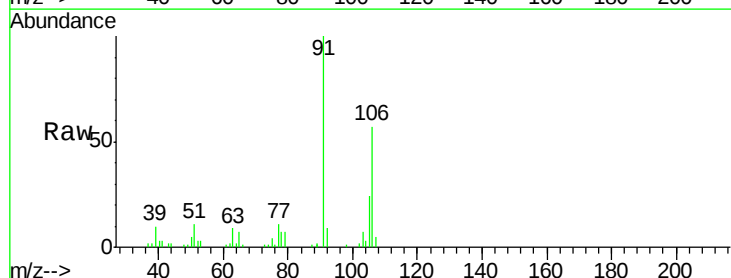
Acq: 26 Sep 2019 16:25

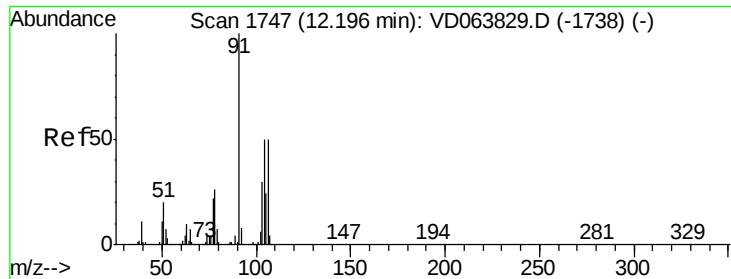
Tgt Ion: 106 Resp: 22162

Ion Ratio Lower Upper

106 100

91 201.5 157.6 236.4

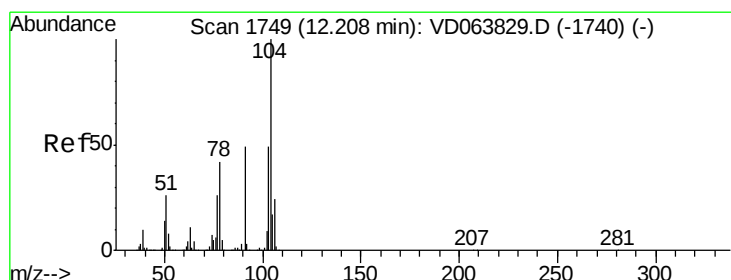
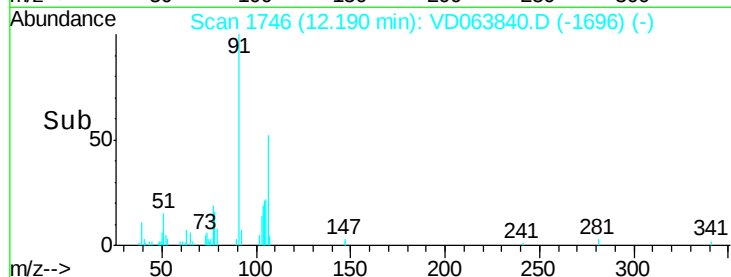
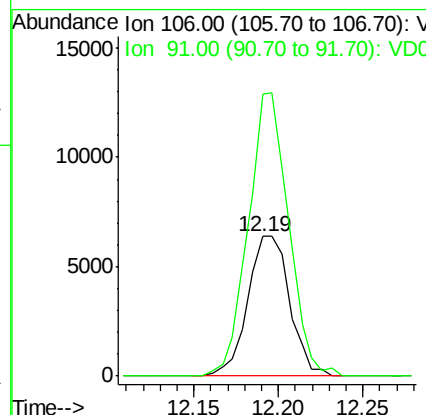
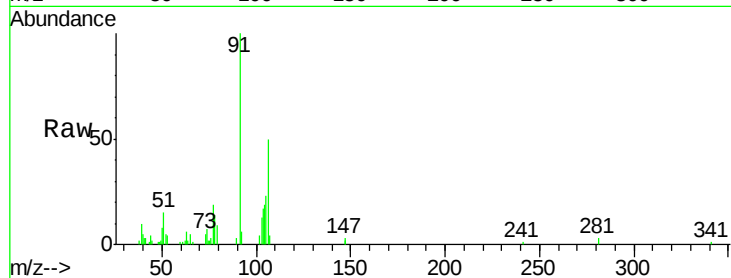




#69
o-Xylene
Concen: 2.610 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

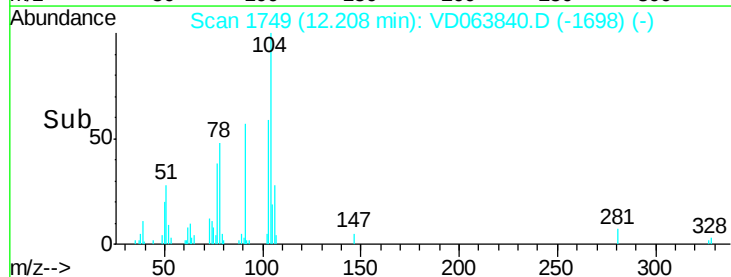
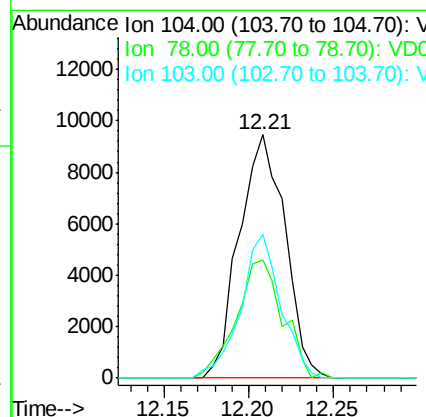
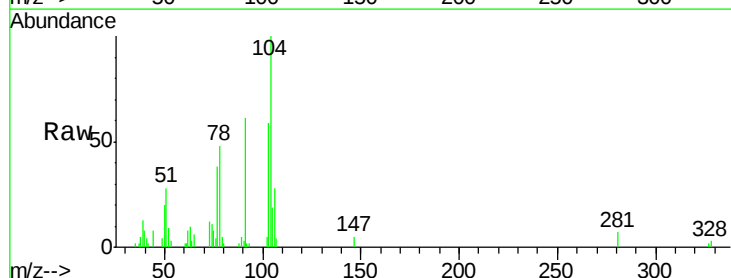
Instrument :
MSVOA_D
ClientSampled :
MDL02

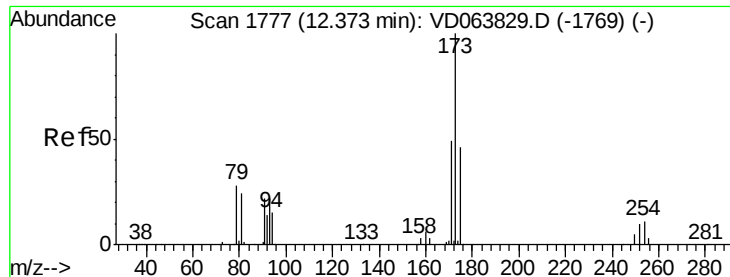
Tot Ion:106 Resp: 11054
Ion Ratio Lower Upper
106 100
91 194.3 102.4 307.1



#70
Styrene
Concen: 2.492 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion:104 Resp: 17865
Ion Ratio Lower Upper
104 100
78 49.3 37.3 55.9
103 52.3 44.2 66.4

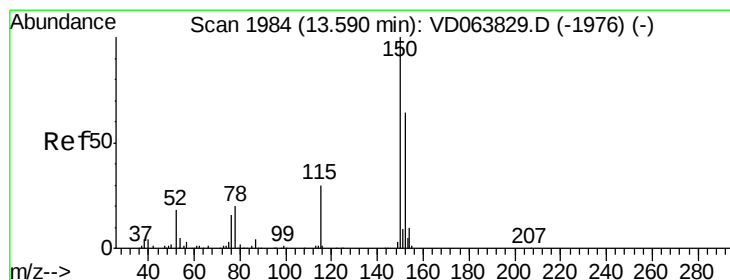
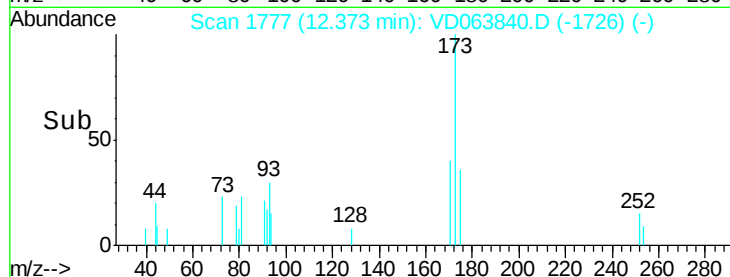
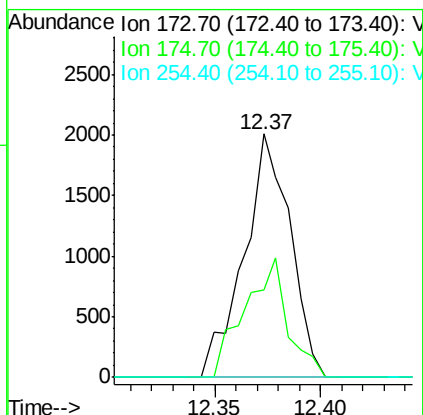
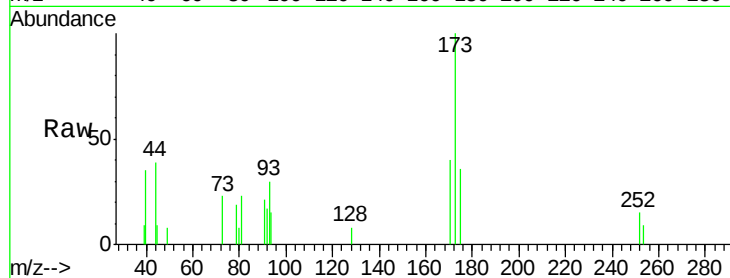




#71
Bromoform
Concen: 2.315 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

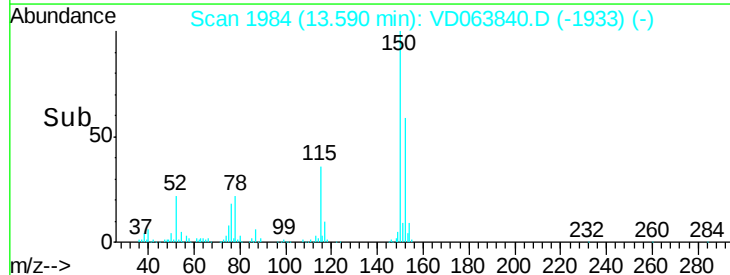
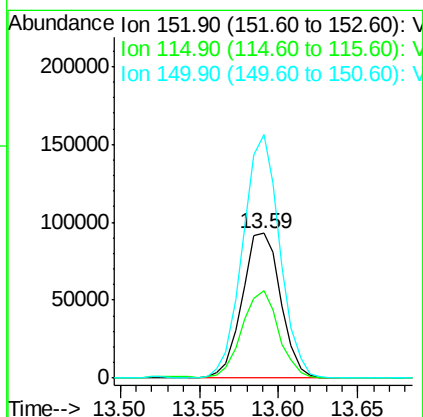
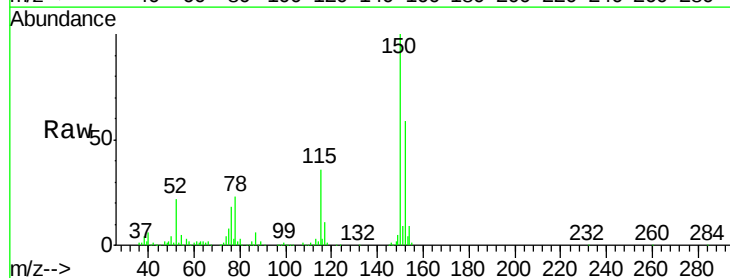
Instrument :
MSVOA_D
ClientSampled :
MDL02

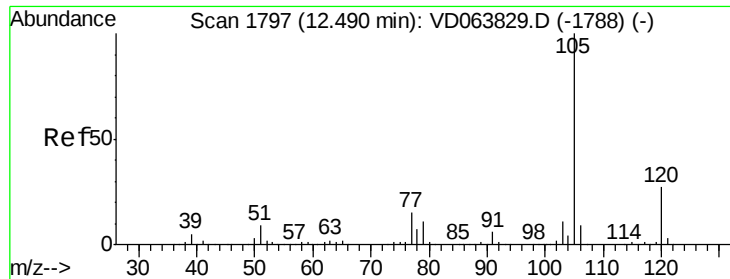
Tot Ion:173 Resp: 3057
Ion Ratio Lower Upper
173 100
175 45.8 23.3 69.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion:152 Resp: 156715
Ion Ratio Lower Upper
152 100
115 57.7 27.0 81.0
150 161.9 0.0 344.0





#73

Isopropylbenzene

Concen: 2.786 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

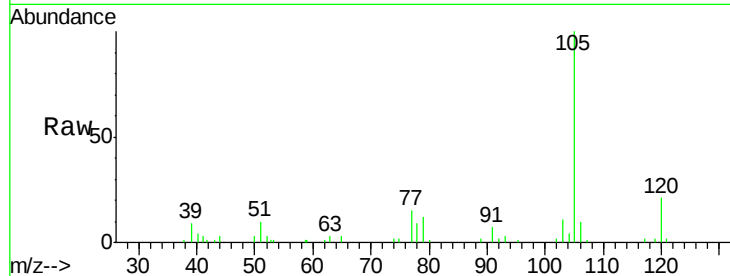
MDL02

Tot Ion:105 Resp: 29821

Ion Ratio Lower Upper

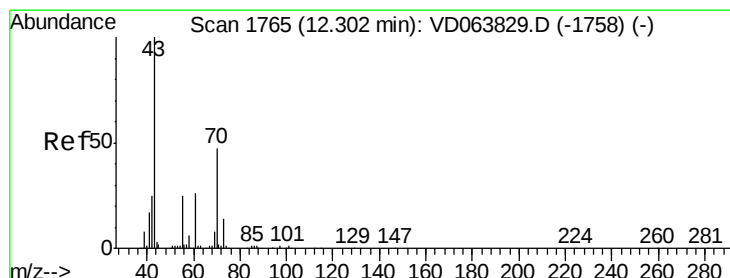
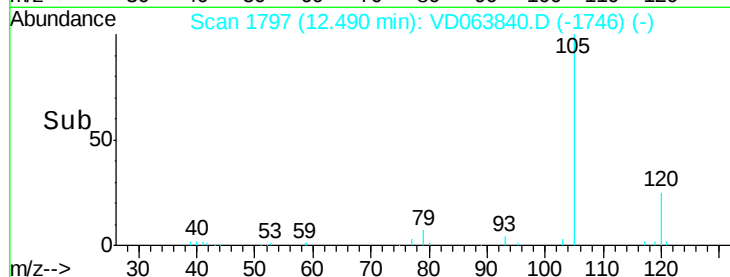
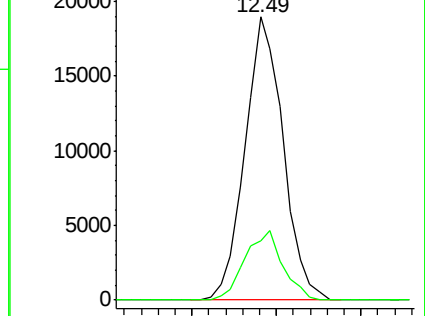
105 100

120 24.4 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.987 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Tgt Ion: 43 Resp: 7000

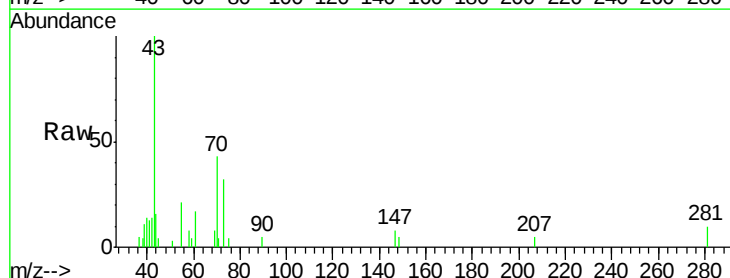
Ion Ratio Lower Upper

43 100

70 43.6 35.0 52.6

55 25.4 19.8 29.6

61 22.2 19.6 29.4

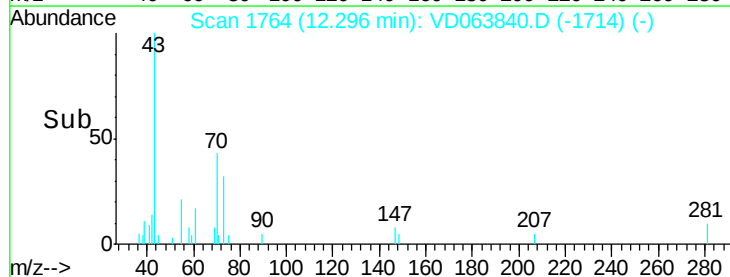
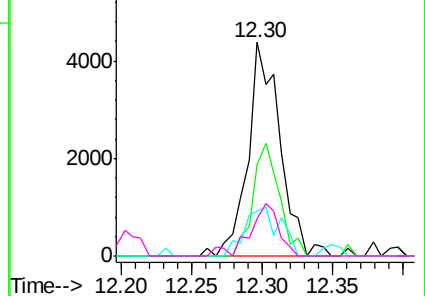


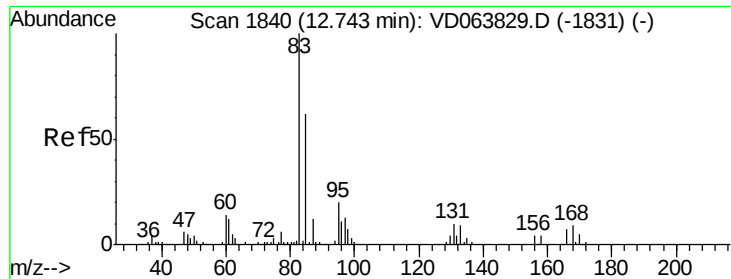
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.747 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

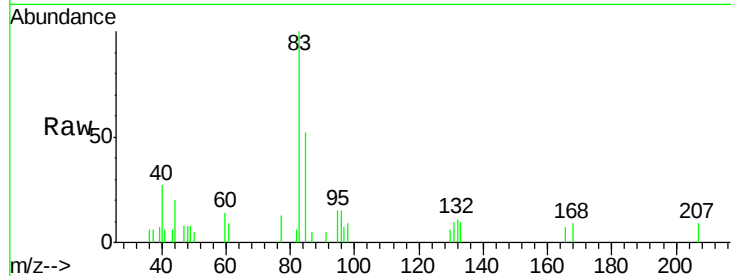
Tot Ion: 83 Resp: 4902

Ion Ratio Lower Upper

83 100

131 14.1 5.6 16.8

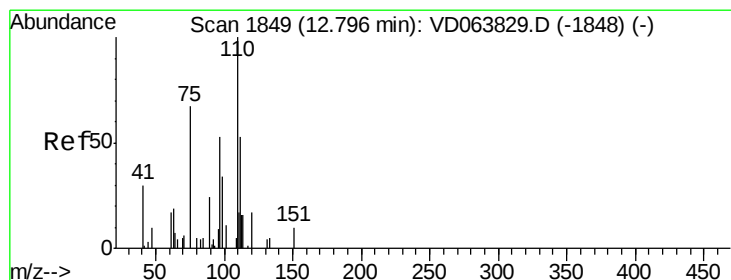
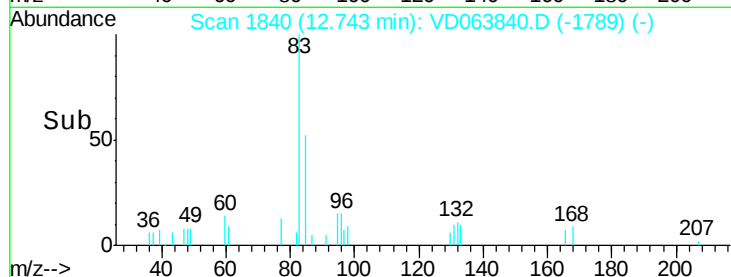
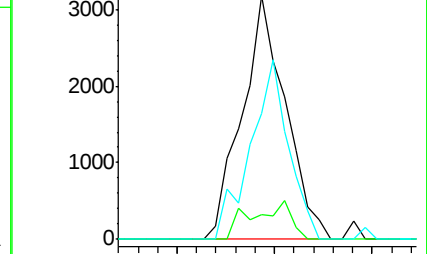
85 64.5 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 4.019 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.01 min

Lab File: VD063840.D

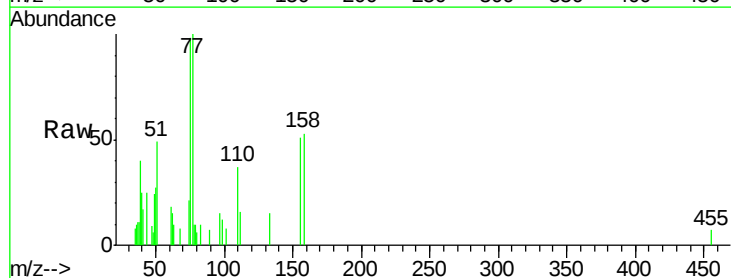
Acq: 26 Sep 2019 16:25

Tgt Ion: 75 Resp: 4776

Ion Ratio Lower Upper

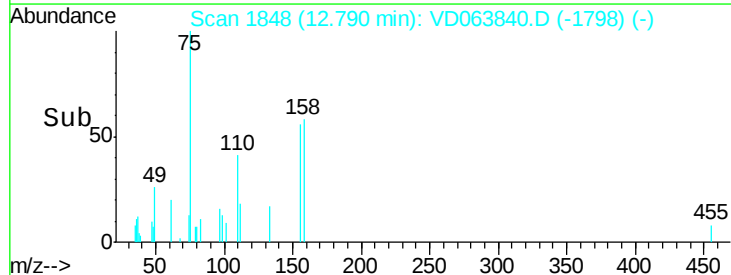
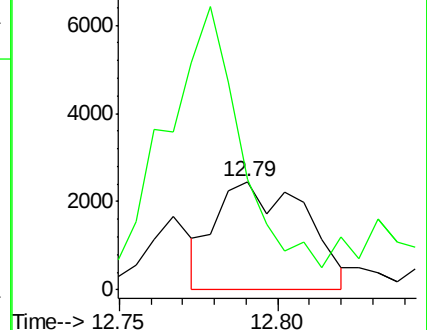
75 100

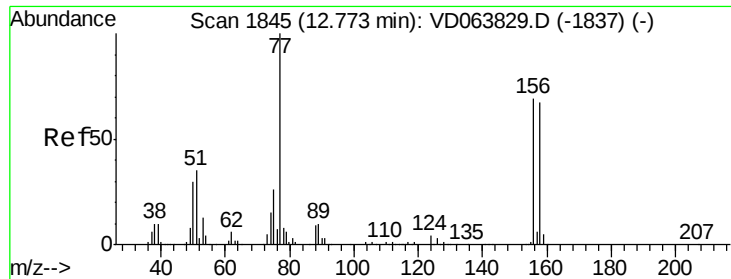
77 241.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 2.554 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

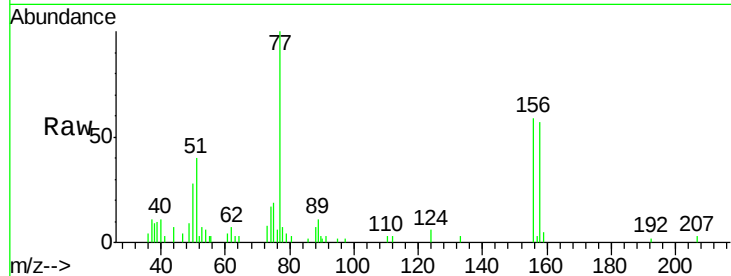
Tot Ion:156 Resp: 6570

Ion Ratio Lower Upper

156 100

77 175.8 79.8 239.4

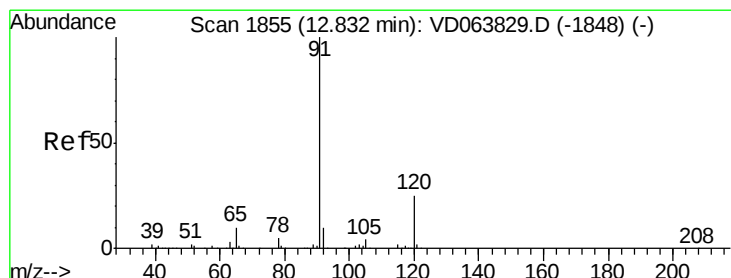
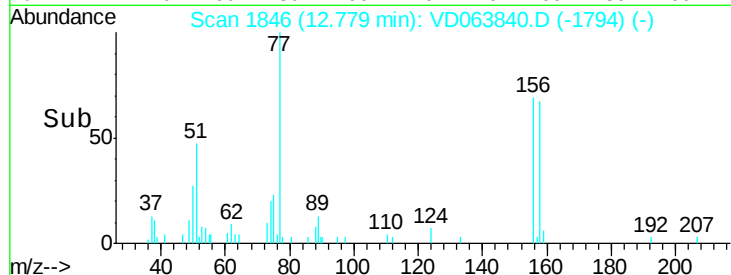
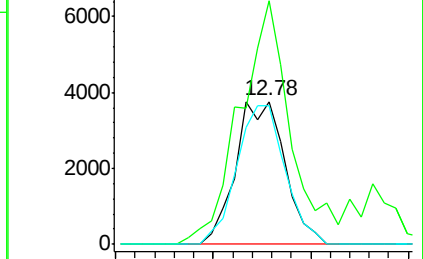
158 95.9 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.765 ug/l

RT: 12.84 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VD063840.D

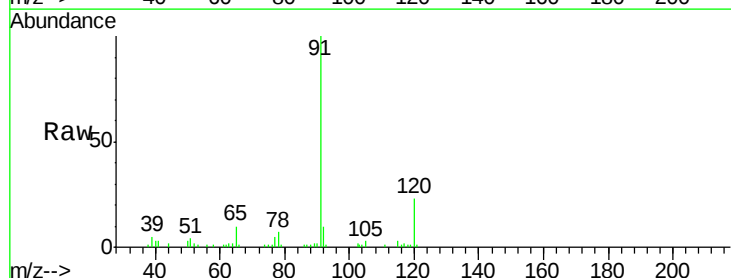
Acq: 26 Sep 2019 16:25

Tgt Ion: 91 Resp: 34820

Ion Ratio Lower Upper

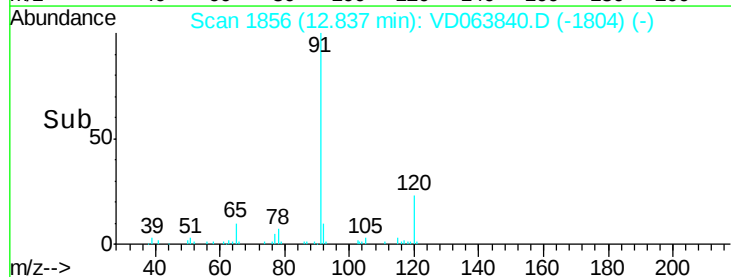
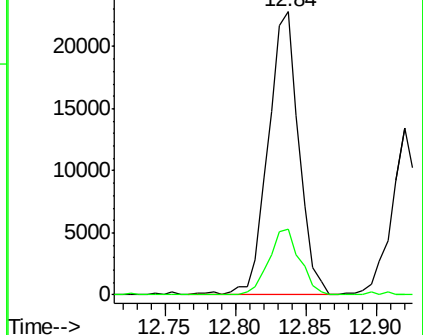
91 100

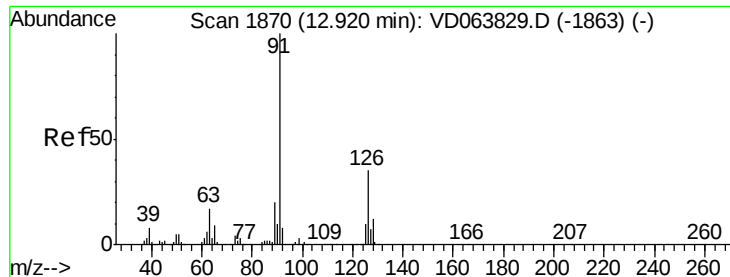
120 23.4 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.879 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

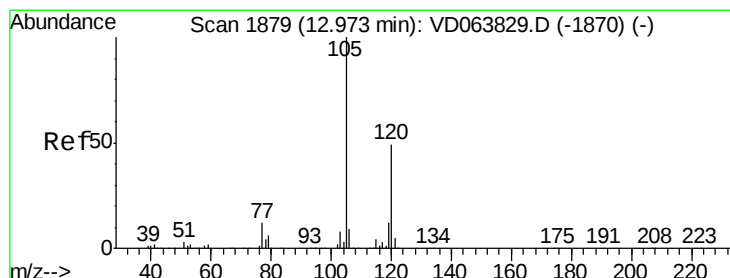
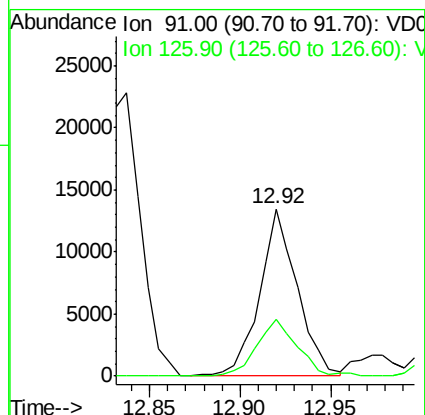
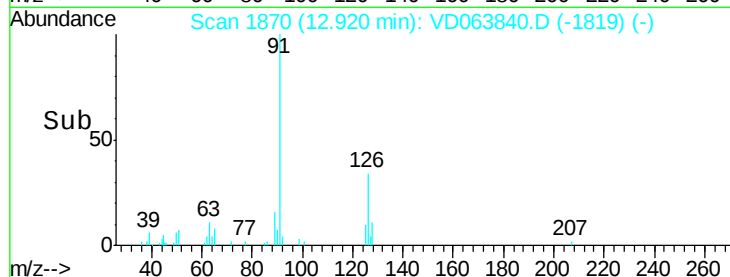
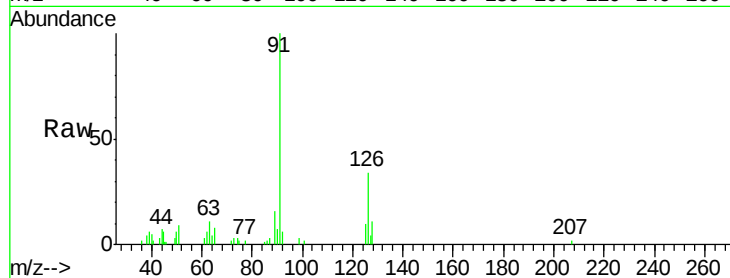
MDL02

Tot Ion: 91 Resp: 19553

Ion Ratio Lower Upper

91 100

126 36.6 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 2.602 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063840.D

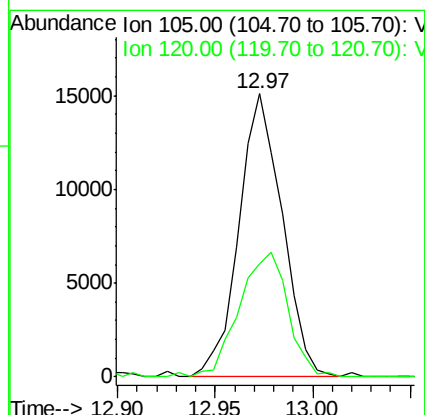
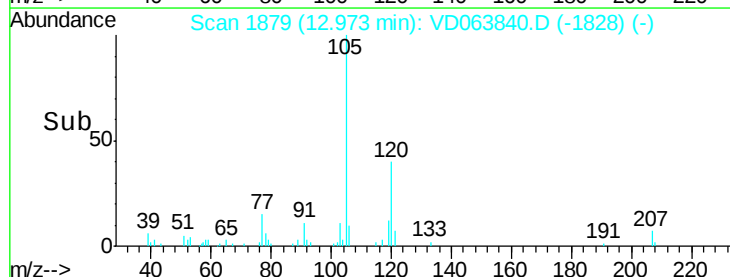
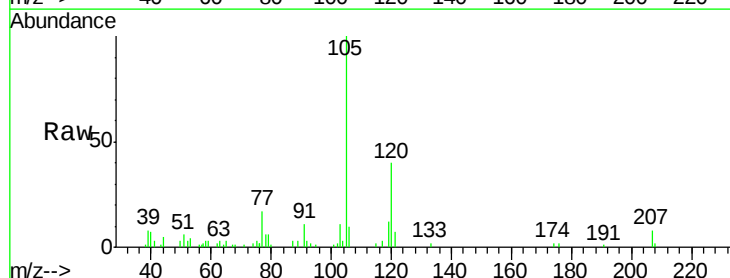
Acq: 26 Sep 2019 16:25

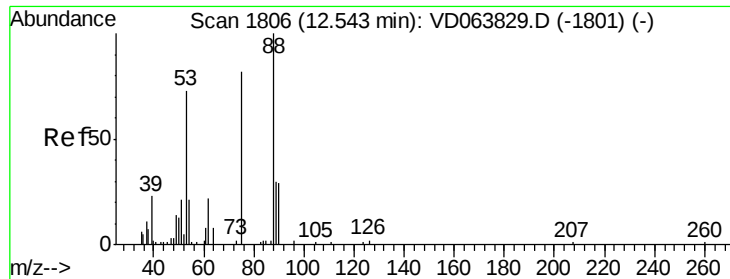
Tgt Ion:105 Resp: 23221

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.353 ug/l m

RT: 12.54 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

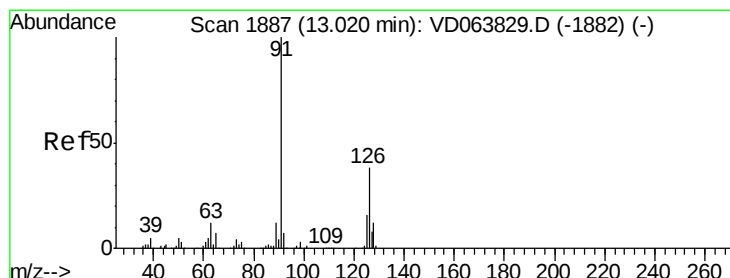
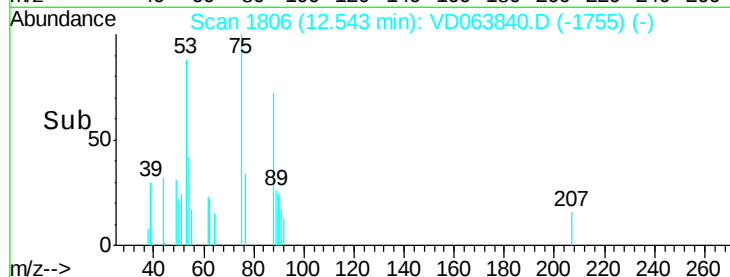
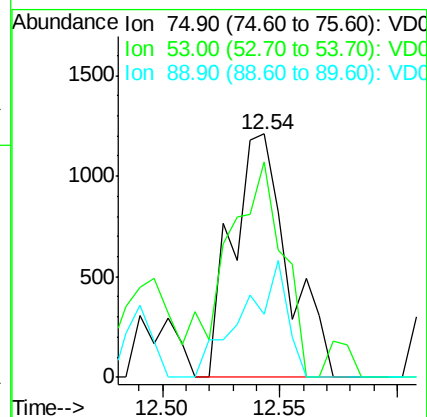
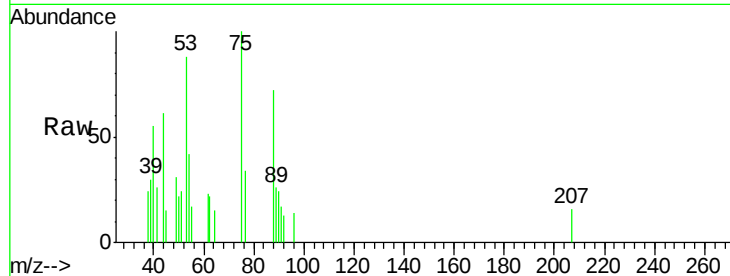
Tot Ion: 75 Resp: 1995

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 3.1 37.0 55.6#



#82

4-Chlorotoluene

Concen: 2.564 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VD063840.D

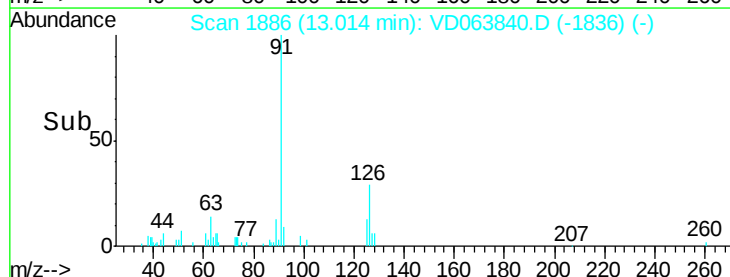
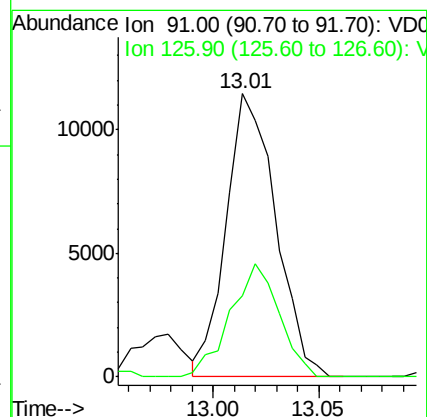
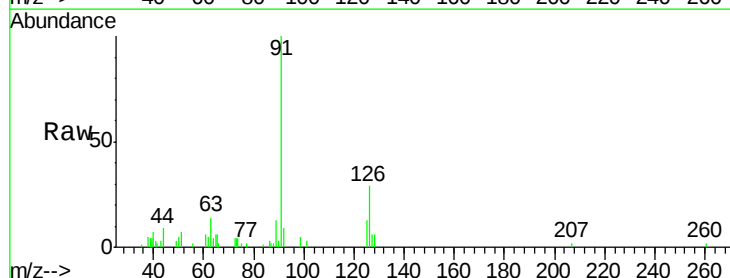
Acq: 26 Sep 2019 16:25

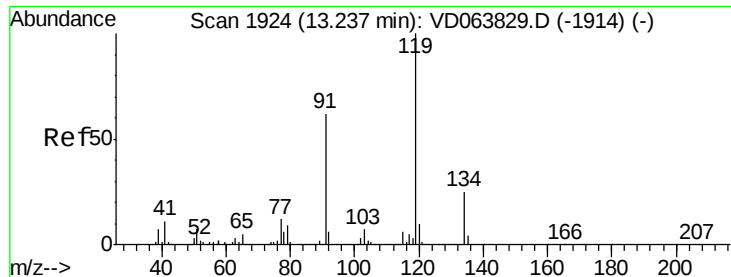
Tgt Ion: 91 Resp: 18578

Ion Ratio Lower Upper

91 100

126 39.5 18.6 55.6

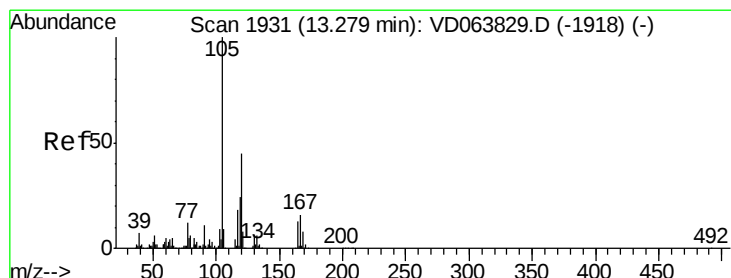
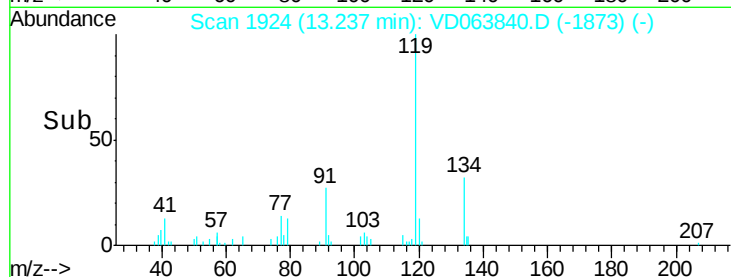
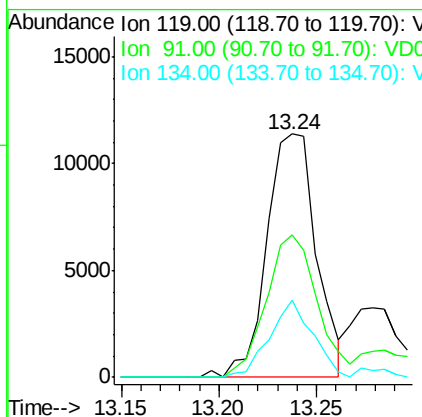
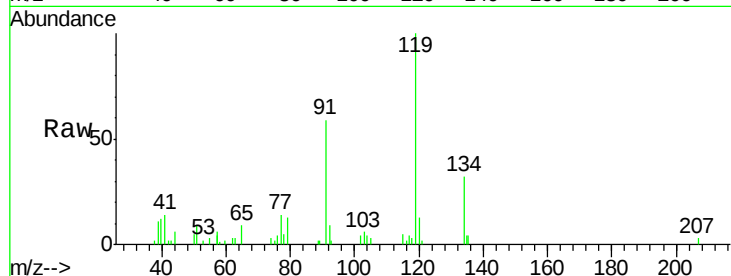




#83
tert-Butylbenzene
Concen: 2.572 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

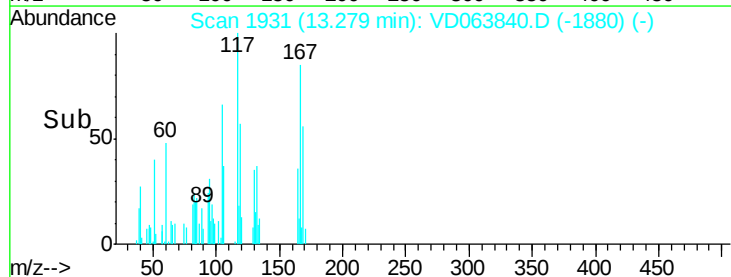
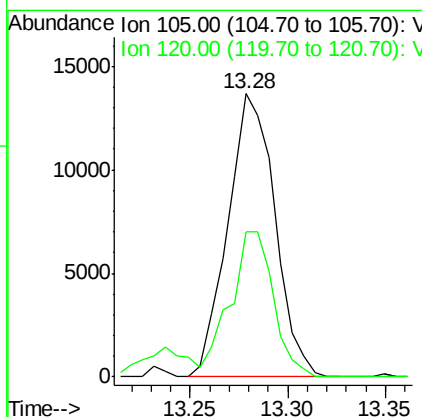
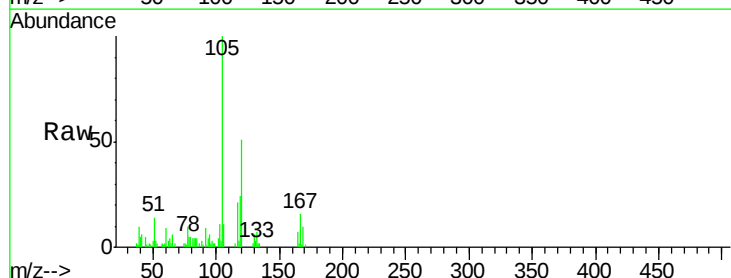
Instrument :
MSVOA_D
ClientSampleId :
MDL02

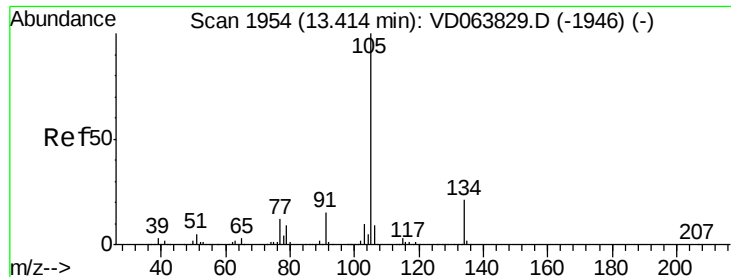
Tot Ion:119 Resp: 20052
Ion Ratio Lower Upper
119 100
91 60.1 30.8 92.3
134 27.5 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 2.521 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion:105 Resp: 22837
Ion Ratio Lower Upper
105 100
120 47.1 23.0 69.0

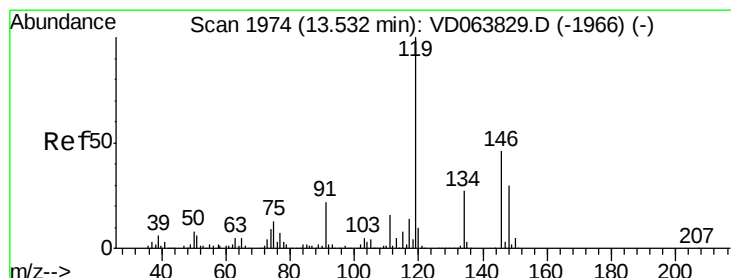
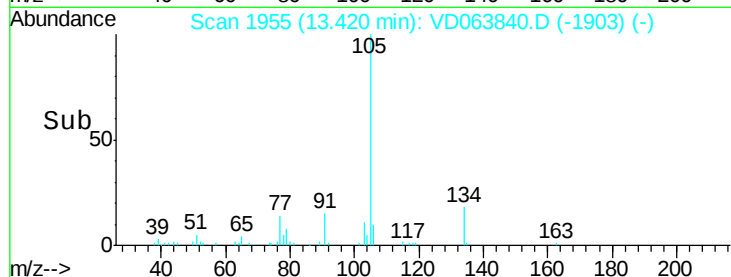
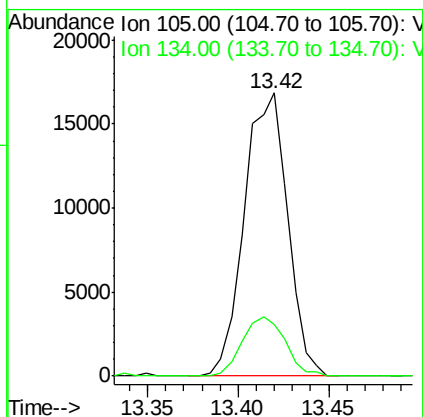
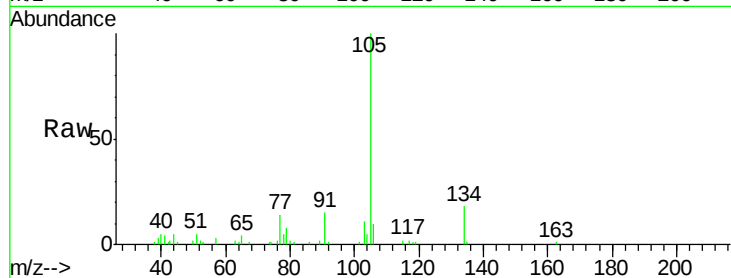




#85
 sec-Butylbenzene
 Concen: 2.572 ug/l
 RT: 13.42 min Scan# 1955
 Delta R.T. 0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

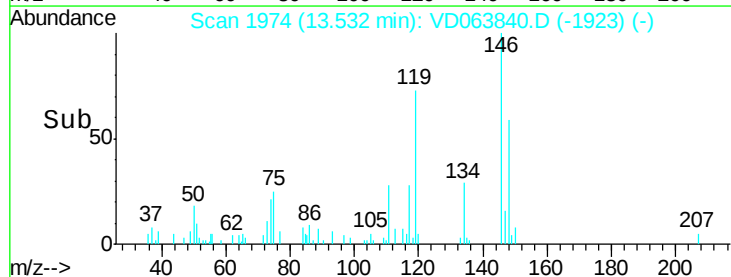
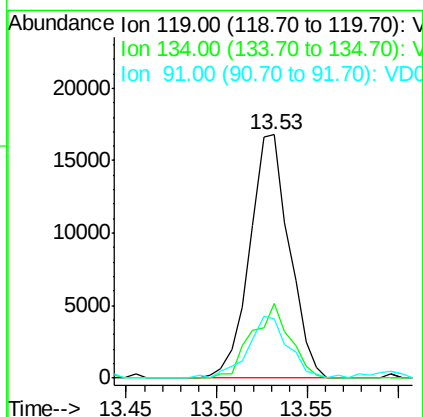
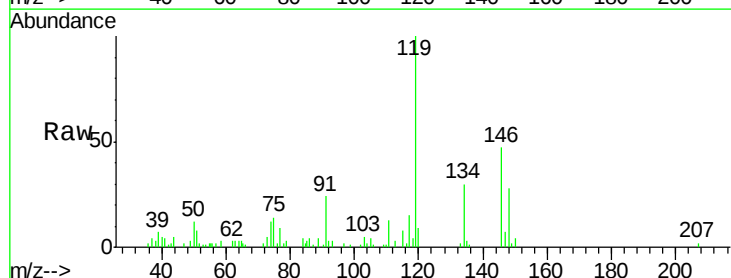
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

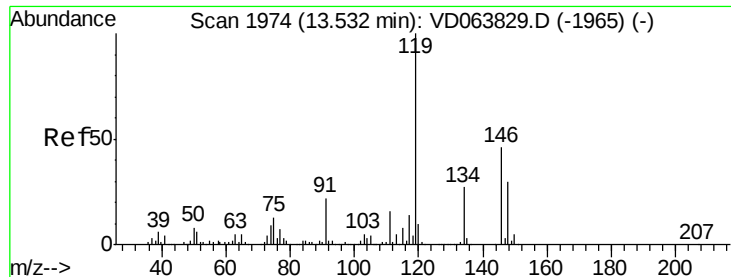
Tot Ion:105 Resp: 27901
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 2.506 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion:119 Resp: 25536
 Ion Ratio Lower Upper
 119 100
 134 29.0 13.2 39.6
 91 25.7 11.4 34.1

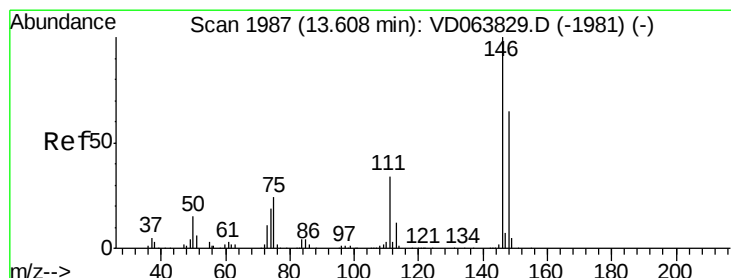
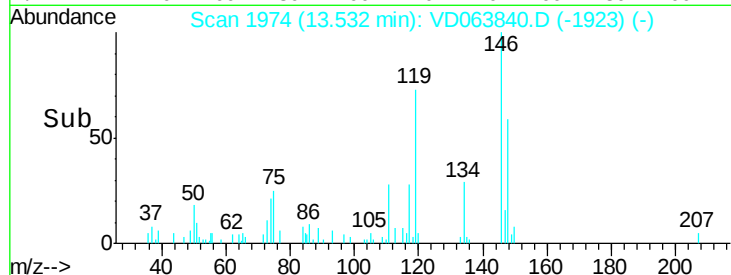
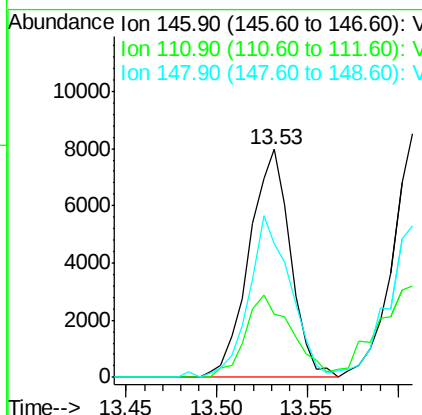
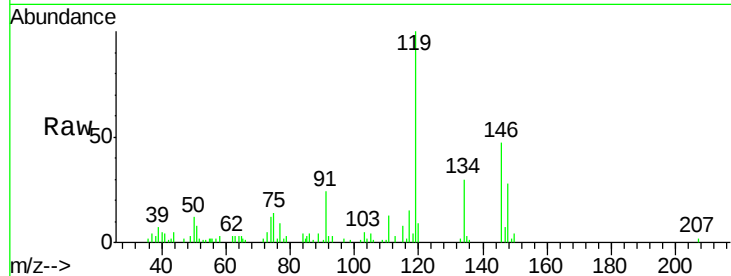




#87
 1,3-Dichlorobenzene
 Concen: 2.504 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

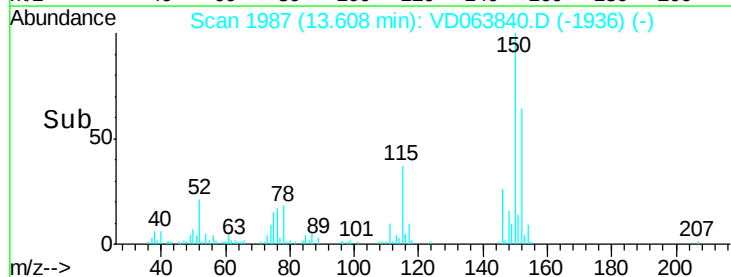
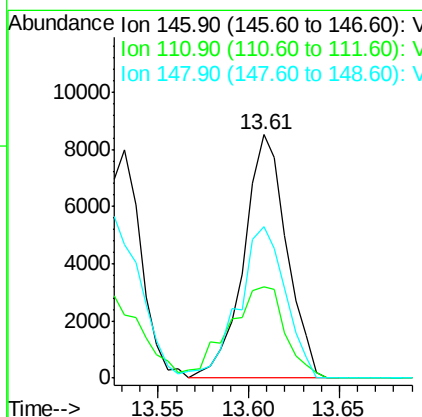
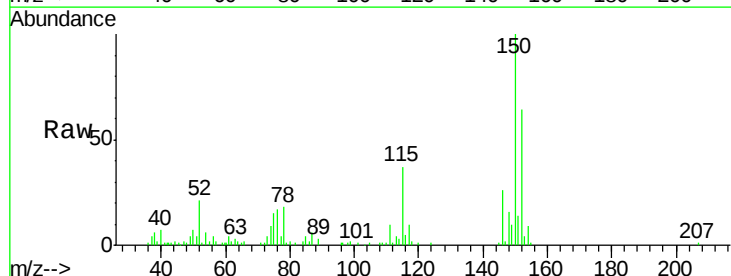
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

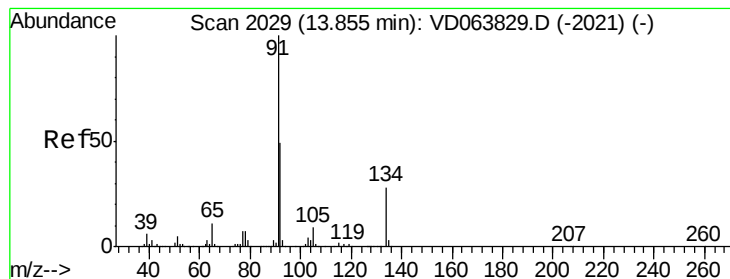
Tot Ion:146 Resp: 12645
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.3 54.8
 148 71.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 2.791 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion:146 Resp: 14018
 Ion Ratio Lower Upper
 146 100
 111 49.5 18.5 55.5
 148 67.2 33.0 99.0





#89

n-Butylbenzene

Concen: 2.769 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD063840.D

Acq: 26 Sep 2019 16:25

Instrument :

MSVOA_D

ClientSampleId :

MDL02

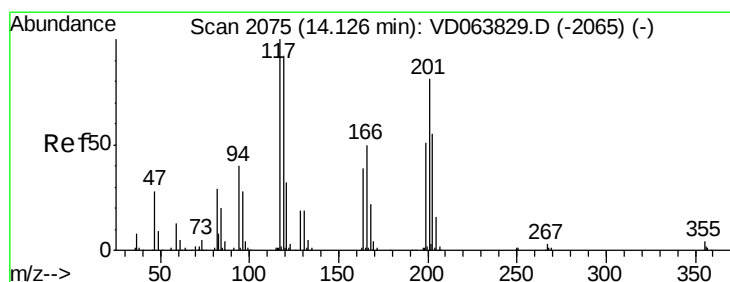
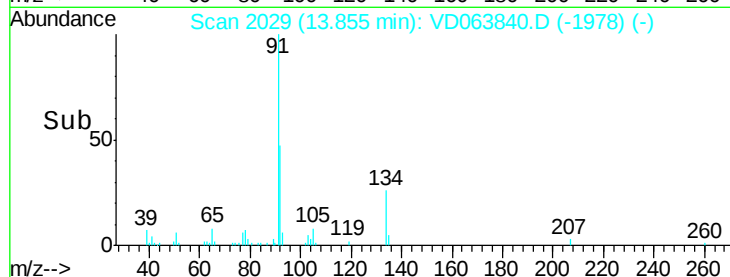
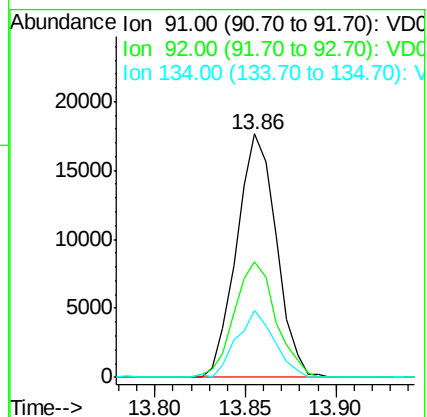
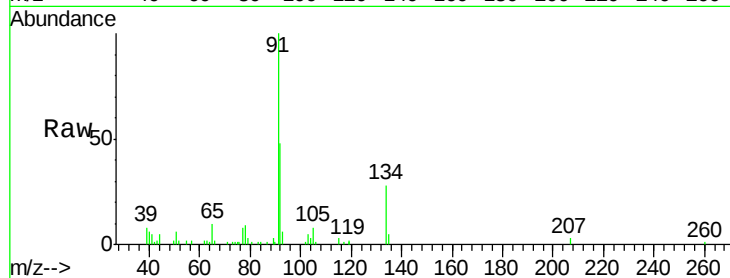
Tot Ion: 91 Resp: 26855

Ion Ratio Lower Upper

91 100

92 49.9 26.1 78.2

134 26.3 14.0 41.9



#90

Hexachloroethane

Concen: 2.430 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VD063840.D

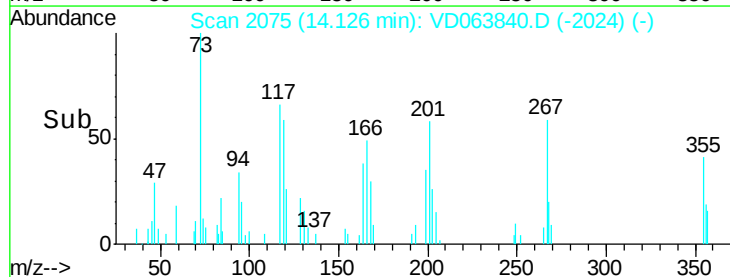
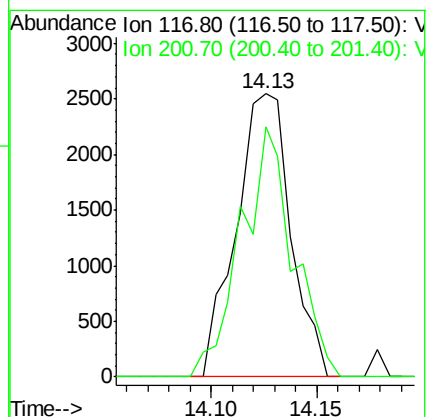
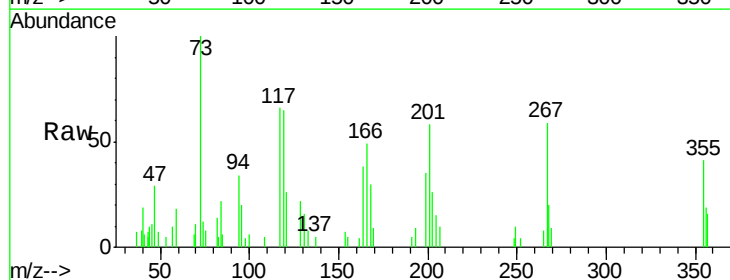
Acq: 26 Sep 2019 16:25

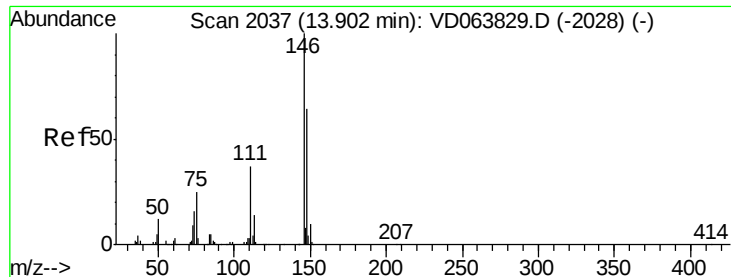
Tgt Ion: 117 Resp: 4587

Ion Ratio Lower Upper

117 100

201 83.9 39.3 117.8

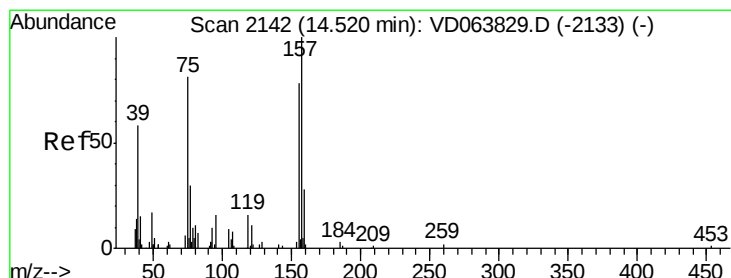
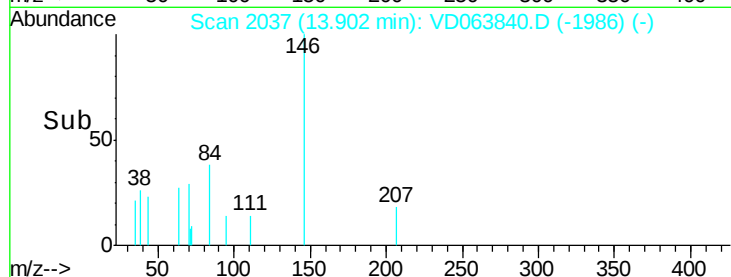
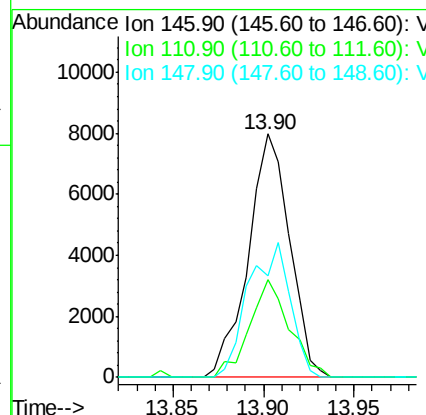
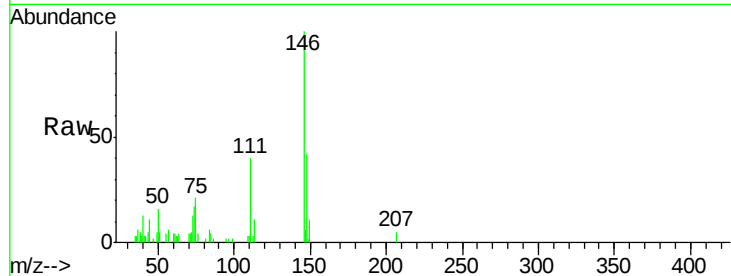




#91
 1,2-Dichlorobenzene
 Concen: 2.924 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

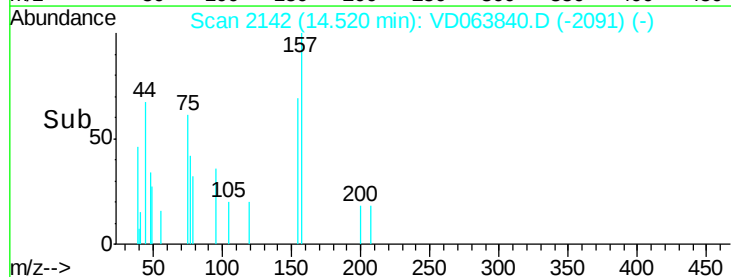
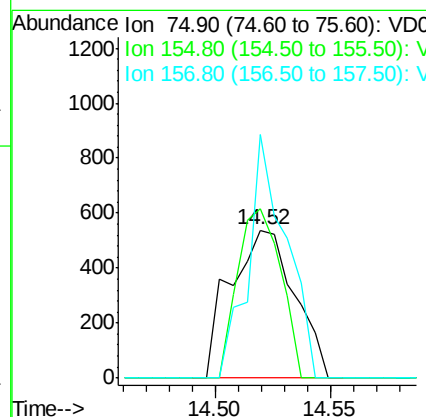
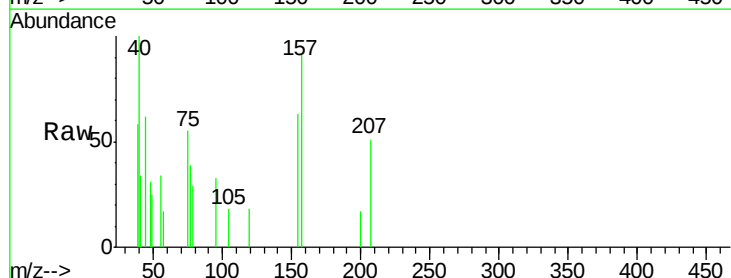
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

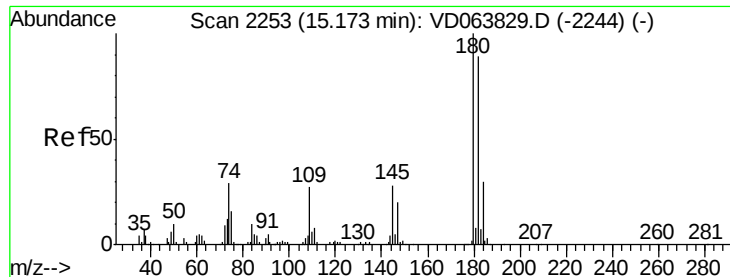
Tot Ion:146 Resp: 12670
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.9 56.7
 148 55.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.461 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion: 75 Resp: 1042
 Ion Ratio Lower Upper
 75 100
 155 77.3 48.0 144.0
 157 96.9 63.2 189.8

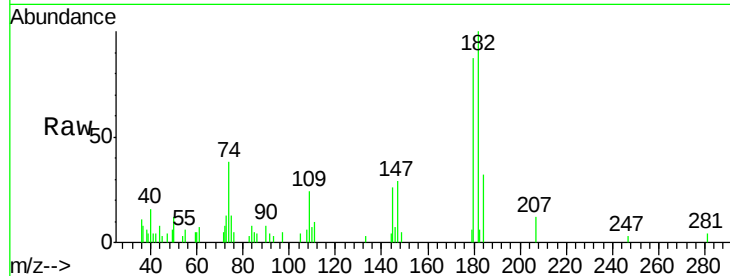




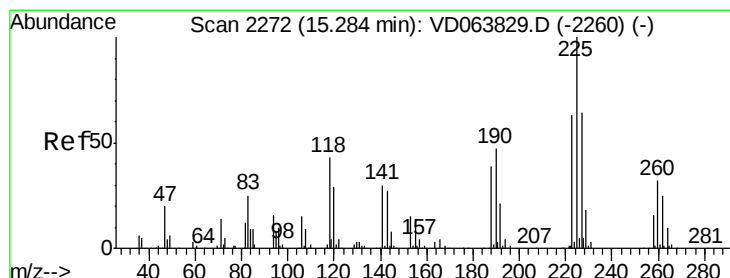
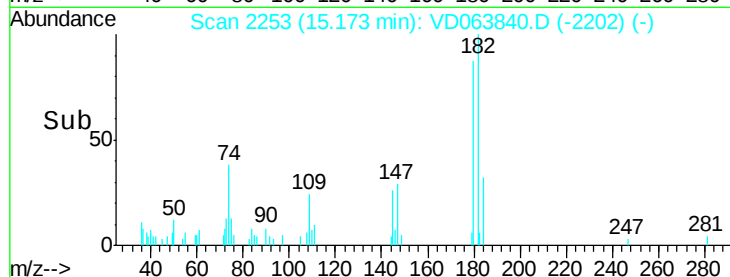
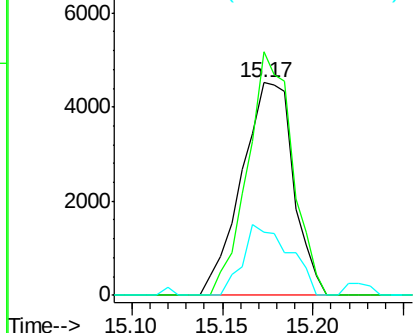
#93
 1,2,4-Trichlorobenzene
 Concen: 2.736 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Tot Ion:180 Resp: 9003
 Ion Ratio Lower Upper
 180 100
 182 98.3 46.5 139.5
 145 29.7 14.4 43.4

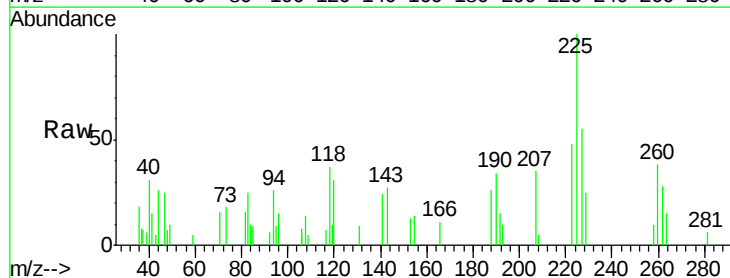


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

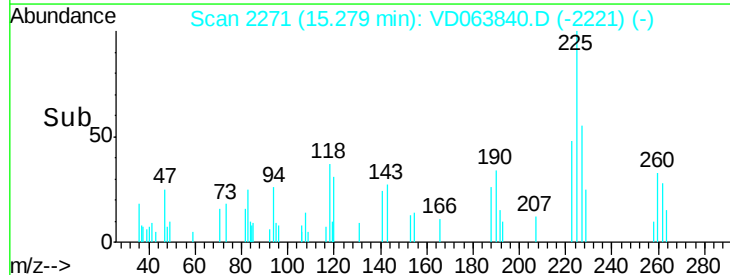
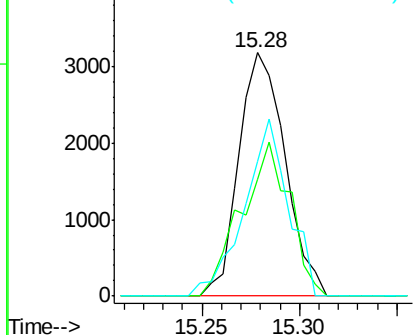


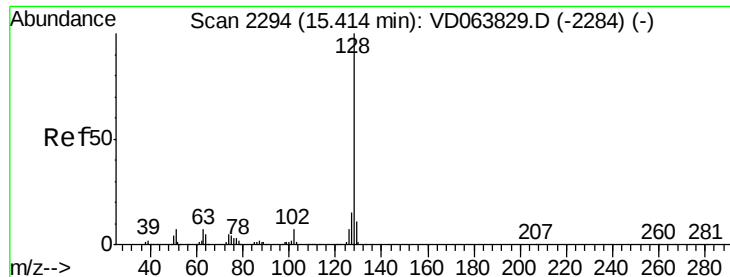
#94
 Hexachlorobutadiene
 Concen: 2.809 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063840.D
 Acq: 26 Sep 2019 16:25

Tgt Ion:225 Resp: 5236
 Ion Ratio Lower Upper
 225 100
 223 66.1 32.8 98.3
 227 68.5 32.8 98.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

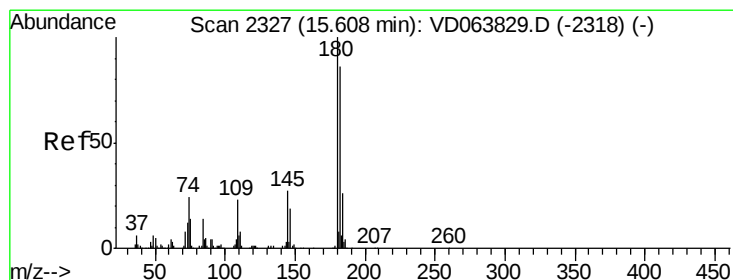
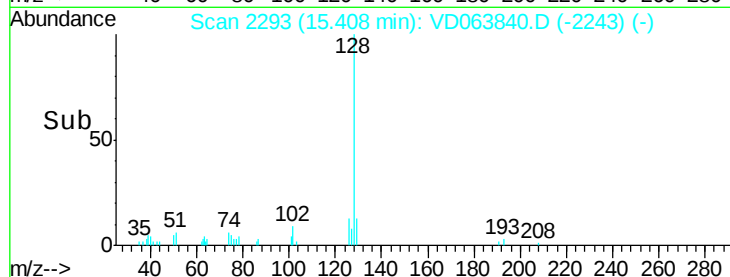
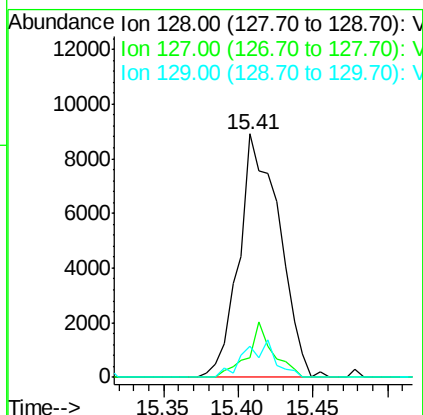
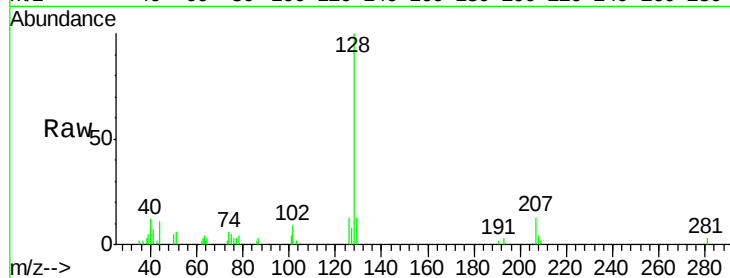




#95
Naphthalene
Concen: 2.820 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Instrument :
MSVOA_D
ClientSampleId :
MDL02

Tot Ion:128 Resp: 16664
Ion Ratio Lower Upper
128 100
127 14.1 10.8 16.2
129 11.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 2.880 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD063840.D
Acq: 26 Sep 2019 16:25

Tgt Ion:180 Resp: 8401
Ion Ratio Lower Upper
180 100
182 90.9 46.6 139.7
145 37.5 14.5 43.5

