

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100319\
 Data File : VD063879.D
 Acq On : 03 Oct 2019 16:54
 Operator : VA/SY
 Sample : MDL05
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Quant Time: Oct 04 01:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	168987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	283333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	130143	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	97559	59.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.60%	
35) Dibromofluoromethane	7.92	113	93262	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
50) Toluene-d8	10.34	98	390154	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.63	95	117085	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	3291	2.746 ug/l	96
3) Chloromethane	2.21	50	11709	Below Cal #	83
4) Vinyl Chloride	2.35	62	11845	3.058 ug/l #	85
5) Bromomethane	2.78	94	7432	2.985 ug/l	87
6) Chloroethane	2.92	64	8318	3.247 ug/l	95
7) Trichlorofluoromethane	3.27	101	14505	2.832 ug/l	89
8) Diethyl Ether	3.71	74	2599	3.162 ug/l	74
9) 1,1,2-Trichlorotrifluoroet	4.08	101	2351	1.658 ug/l #	38
10) Methyl Iodide	4.29	142	4523	2.316 ug/l #	95
11) Tert butyl alcohol	5.25	59	3254	21.127 ug/l #	91
12) 1,1-Dichloroethene	4.07	96	3921	2.769 ug/l #	76
13) Acrolein	3.93	56	2748	18.701 ug/l #	60
14) Allyl chloride	4.73	41	6234	2.648 ug/l	88
15) Acrylonitrile	5.43	53	5393	14.882 ug/l #	82
16) Acetone	4.17	43	9125	21.303 ug/l #	86
17) Carbon Disulfide	4.40	76	14539	2.824 ug/l #	90
18) Methyl Acetate	4.74	43	2276	2.717 ug/l #	70
19) Methyl tert-butyl Ether	5.50	73	10499	2.863 ug/l	97
20) Methylene Chloride	4.97	84	12345	3.709 ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	4912	2.786 ug/l #	79
22) Diisopropyl ether	6.37	45	15015	3.122 ug/l #	79
23) Vinyl Acetate	6.32	43	34490	12.056 ug/l	98
24) 1,1-Dichloroethane	6.26	63	8870	2.995 ug/l #	90
25) 2-Butanone	7.23	43	8987	17.704 ug/l	91
26) 2,2-Dichloropropane	7.20	77	8976	3.350 ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	5927	2.970 ug/l	92
28) Bromochloromethane	7.56	49	3769	5.086 ug/l #	11
29) Tetrahydrofuran	7.57	42	1705	5.754 ug/l #	19
30) Chloroform	7.72	83	10107	3.142 ug/l #	75
32) 1,1,1-Trichloroethane	7.91	97	8303	3.009 ug/l	90
36) 1,1-Dichloropropene	8.11	75	7532	2.907 ug/l	98
38) Carbon Tetrachloride	8.09	117	6605	2.523 ug/l	84
39) Methylcyclohexane	9.36	83	8869	2.784 ug/l	87
40) Benzene	8.36	78	20706	2.789 ug/l	92

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 ClientSampleId :
 MDL05

Quant Time: Oct 04 01:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 04:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.53	41	1979	3.295	ug/l #	85
42) 1,2-Dichloroethane	8.44	62	6647	3.095	ug/l	99
43) Isopropyl Acetate	8.46	43	6322	2.910	ug/l #	93
44) Trichloroethene	9.11	130	6307	2.946	ug/l	93
45) 1,2-Dichloropropane	9.40	63	5018	2.762	ug/l #	65
46) Dibromomethane	9.48	93	2873	2.776	ug/l	89
47) Bromodichloromethane	9.66	83	7071	2.654	ug/l	97
48) Methyl methacrylate	9.46	41	2683	2.577	ug/l #	82
49) 1,4-Dioxane	9.47	88	722	51.112	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	15574	13.822	ug/l	93
52) Toluene	10.40	92	13937	2.735	ug/l	91
53) t-1,3-Dichloropropene	10.62	75	6246	2.402	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	8128	2.716	ug/l #	67
55) 1,1,2-Trichloroethane	10.81	97	4701	3.217	ug/l #	77
56) Ethyl methacrylate	10.66	69	4815	2.602	ug/l #	82
57) 1,3-Dichloropropane	10.95	76	6608	2.643	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.94	63	9965	12.529	ug/l	98
59) 2-Hexanone	10.98	43	9959	12.219	ug/l	98
60) Dibromochloromethane	11.14	129	4875	2.563	ug/l	95
61) 1,2-Dibromoethane	11.24	107	3907	2.758	ug/l	97
64) Tetrachloroethene	10.87	164	4919	2.701	ug/l #	76
65) Chlorobenzene	11.67	112	14413	2.691	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	4910	2.488	ug/l	98
67) Ethyl Benzene	11.74	91	24917	2.580	ug/l #	85
68) m/p-Xylenes	11.86	106	18249	4.895	ug/l	91
69) o-Xylene	12.18	106	9099	2.549	ug/l	94
70) Styrene	12.20	104	14760	2.442	ug/l	97
71) Bromoform	12.37	173	2835	2.676	ug/l #	84
73) Isopropylbenzene	12.48	105	22756	2.601	ug/l	99
74) N-amyl acetate	12.28	43	5542	2.942	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	4978	3.270	ug/l	84
76) 1,2,3-Trichloropropane	12.77	75	6087	6.983	ug/l #	100
77) Bromobenzene	12.76	156	5787	2.655	ug/l	81
78) n-propylbenzene	12.82	91	28415	2.767	ug/l	98
79) 2-Chlorotoluene	12.90	91	15540	2.744	ug/l	94
80) 1,3,5-Trimethylbenzene	12.96	105	17484	2.395	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.63	75	66301	134.601	ug/l #	12
82) 4-Chlorotoluene	13.00	91	16017	2.666	ug/l	99
83) tert-Butylbenzene	13.23	119	16516	2.543	ug/l	92
84) 1,2,4-Trimethylbenzene	13.27	105	20298	2.698	ug/l	96
85) sec-Butylbenzene	13.40	105	22844	2.604	ug/l	98
86) p-Isopropyltoluene	13.51	119	19945	2.403	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	12596	2.925	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	11710	2.756	ug/l	86
89) n-Butylbenzene	13.84	91	22031	2.851	ug/l	98
90) Hexachloroethane	14.11	117	3917	2.624	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	10092	2.719	ug/l	93
93) 1,2,4-Trichlorobenzene	15.16	180	7821	2.731	ug/l	95
94) Hexachlorobutadiene	15.27	225	3671	2.323	ug/l	68
95) Naphthalene	15.40	128	12331	2.562	ug/l #	93

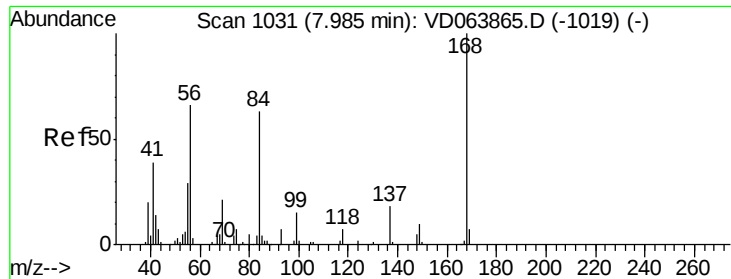
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Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:49:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.59	180	6832	2.765	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

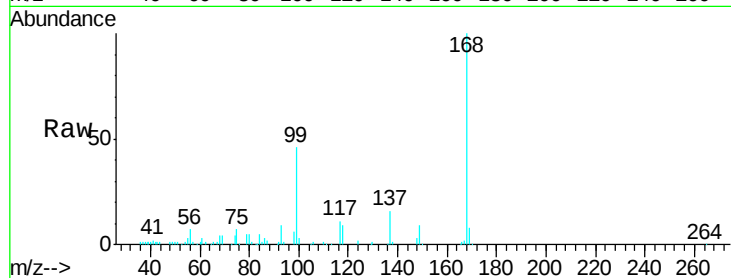
MDL05

Tgt Ion:168 Resp: 168987

Ion Ratio Lower Upper

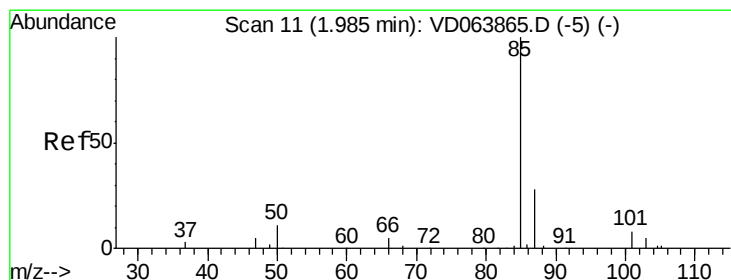
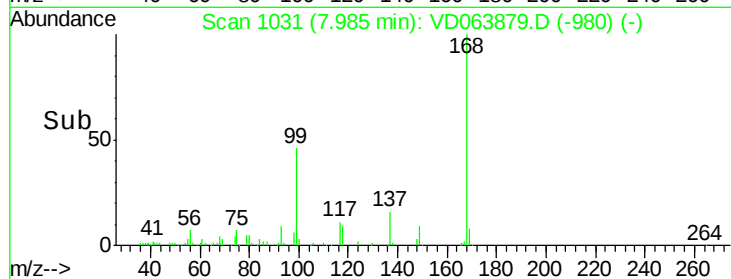
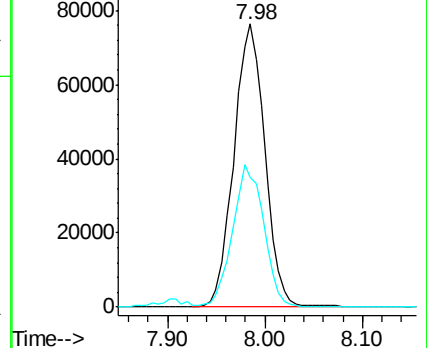
168 100

99 46.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 2.746 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063879.D

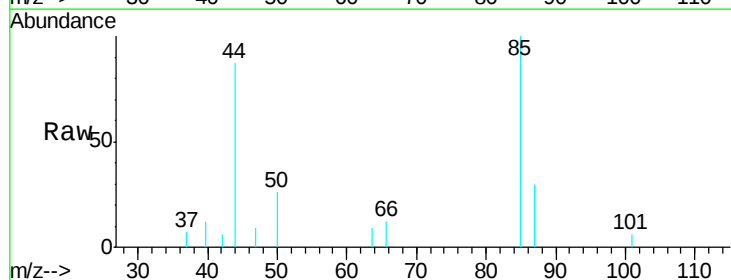
Acq: 03 Oct 2019 16:54

Tgt Ion: 85 Resp: 3291

Ion Ratio Lower Upper

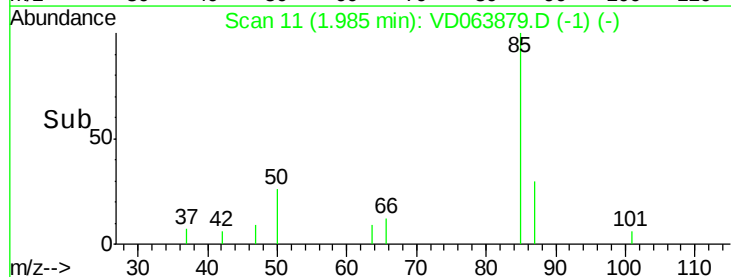
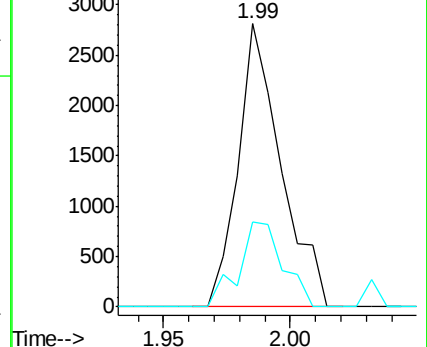
85 100

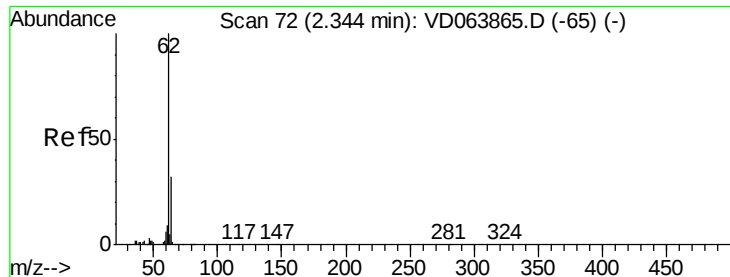
87 30.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#4

Vinyl Chloride

Concen: 3.058 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

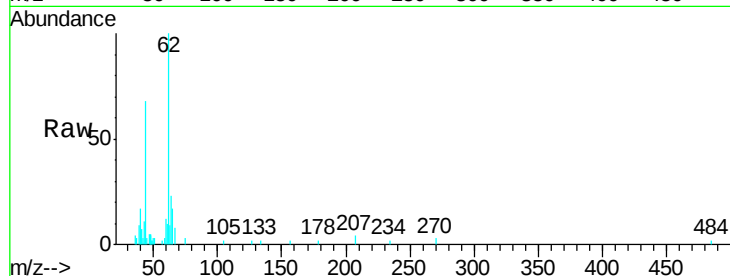
MDL05

Tgt Ion: 62 Resp: 11845

Ion Ratio Lower Upper

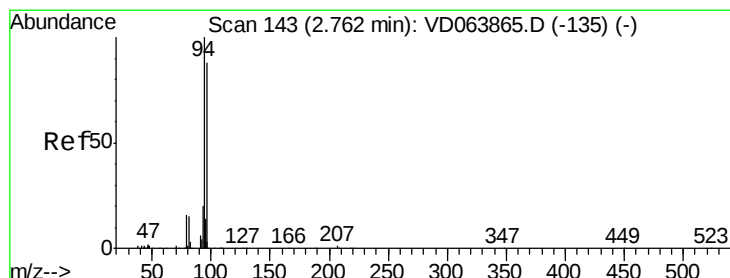
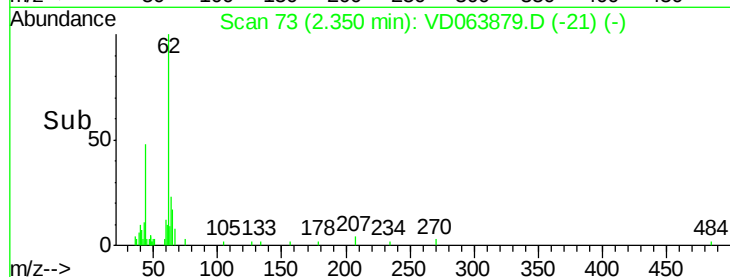
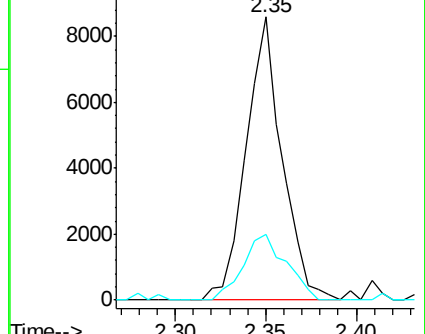
62 100

64 23.1 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



#5

Bromomethane

Concen: 2.985 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.02 min

Lab File: VD063879.D

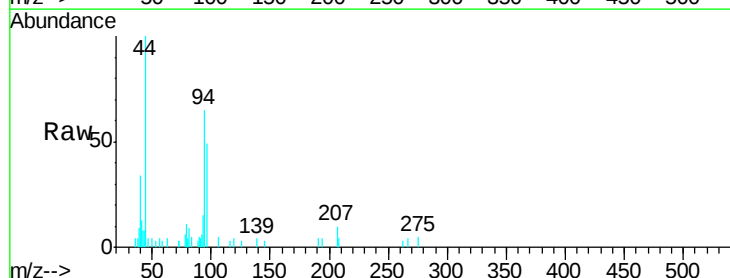
Acq: 03 Oct 2019 16:54

Tgt Ion: 94 Resp: 7432

Ion Ratio Lower Upper

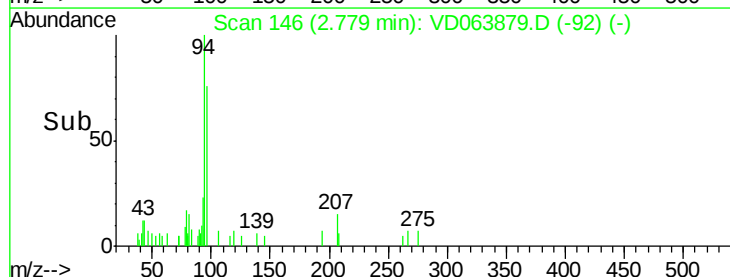
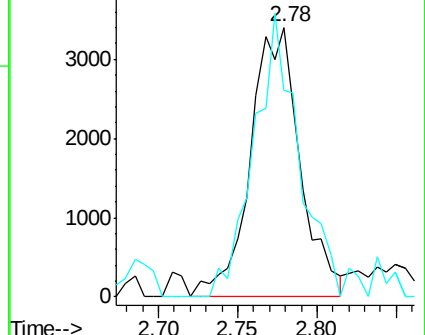
94 100

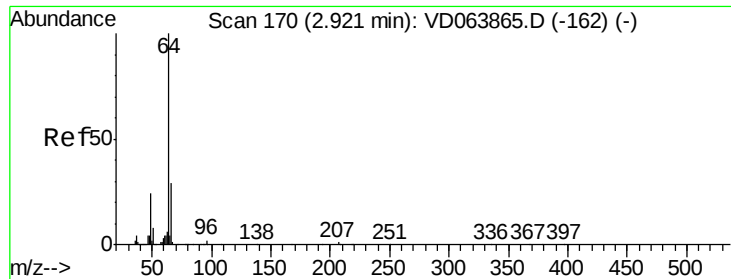
96 76.5 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 3.247 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

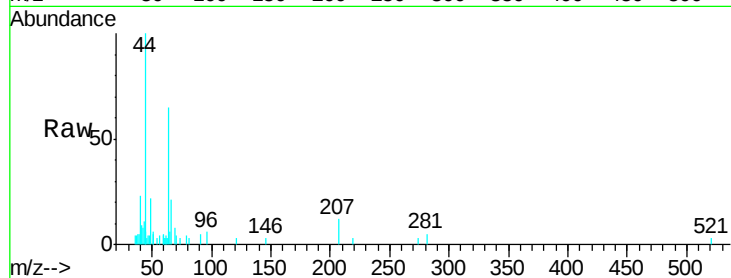
MDL05

Tgt Ion: 64 Resp: 8318

Ion Ratio Lower Upper

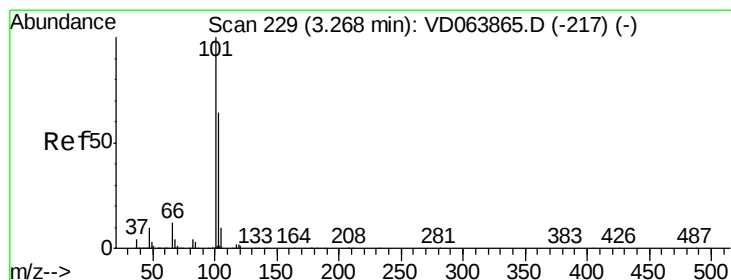
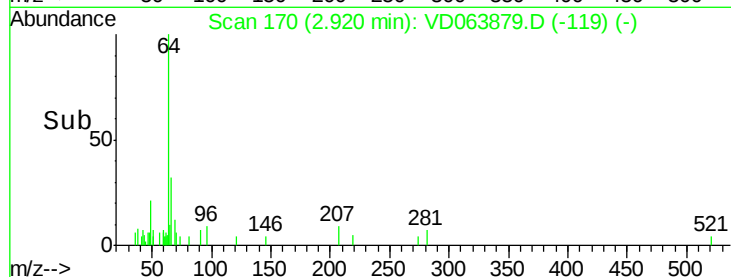
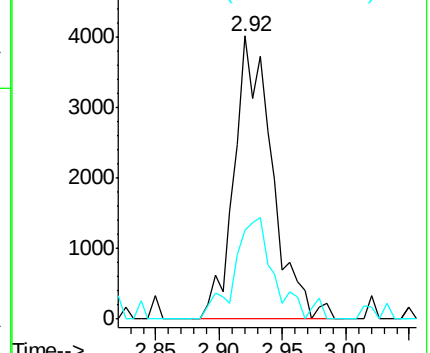
64 100

66 31.5 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 2.832 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD063879.D

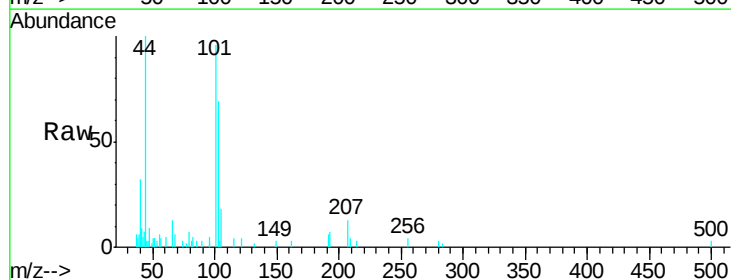
Acq: 03 Oct 2019 16:54

Tgt Ion: 101 Resp: 14505

Ion Ratio Lower Upper

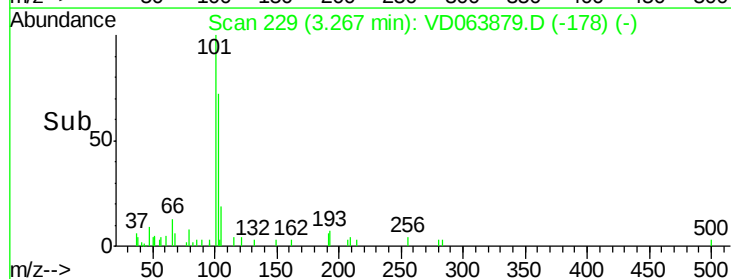
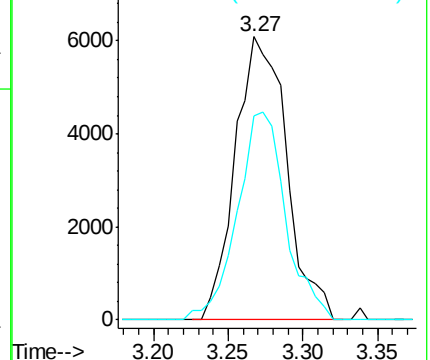
101 100

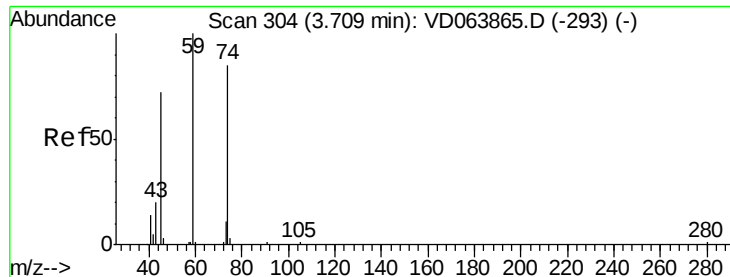
103 72.1 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 3.162 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

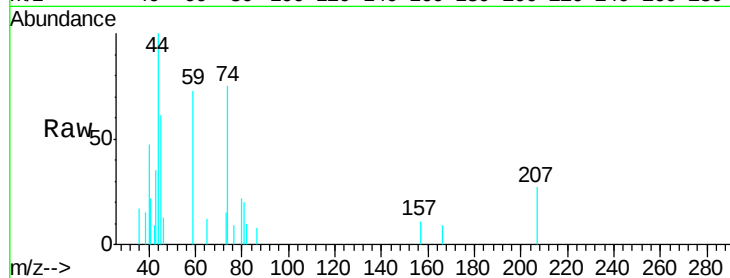
MDL05

Tgt Ion: 74 Resp: 2599

Ion Ratio Lower Upper

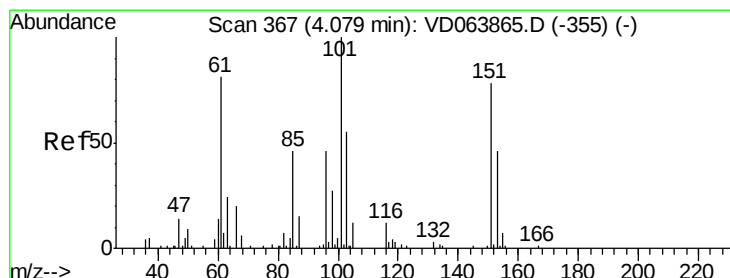
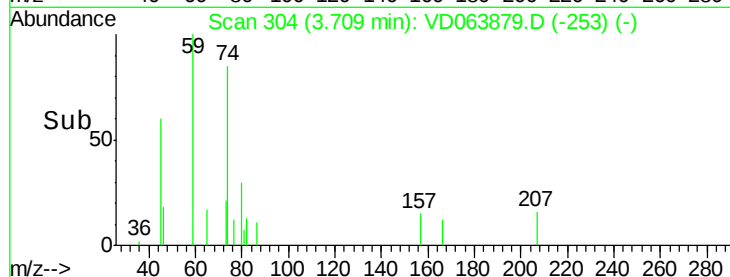
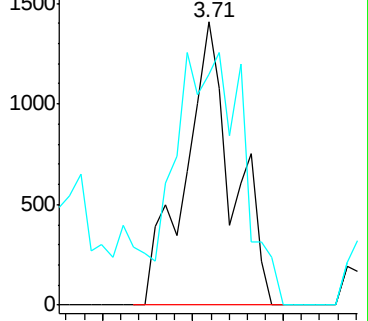
74 100

45 121.7 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.658 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

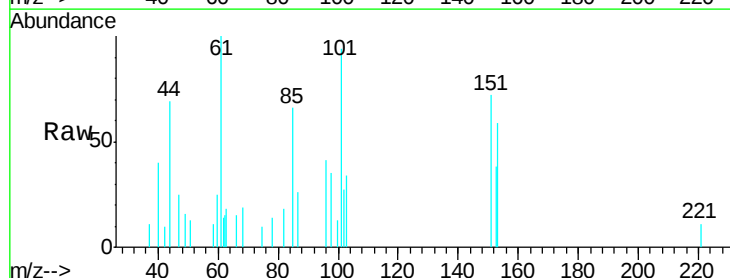
Tgt Ion: 101 Resp: 2351

Ion Ratio Lower Upper

101 100

85 73.9 37.5 56.3#

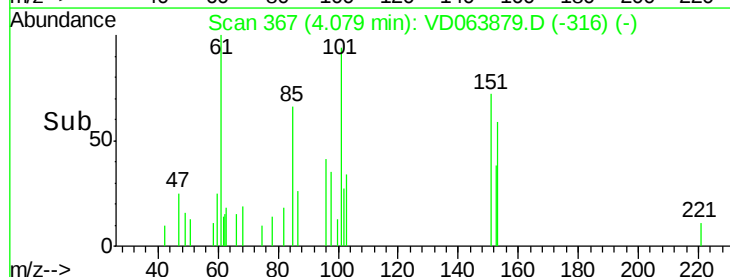
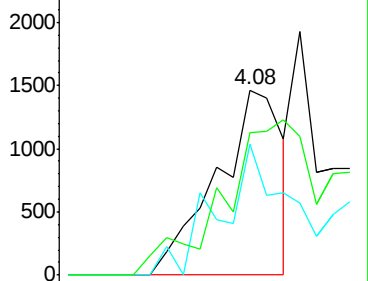
151 148.4 65.5 98.3#

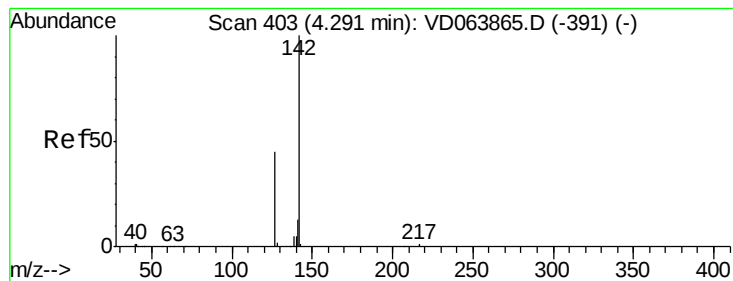


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V





#10

Methyl Iodide

Concen: 2.316 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampled :

MDL05

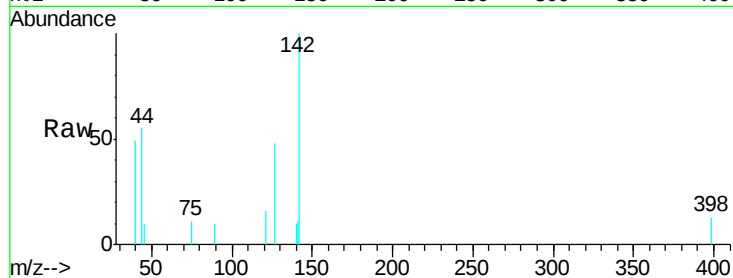
Tgt Ion:142 Resp: 4523

Ion Ratio Lower Upper

142 100

127 44.4 35.3 52.9

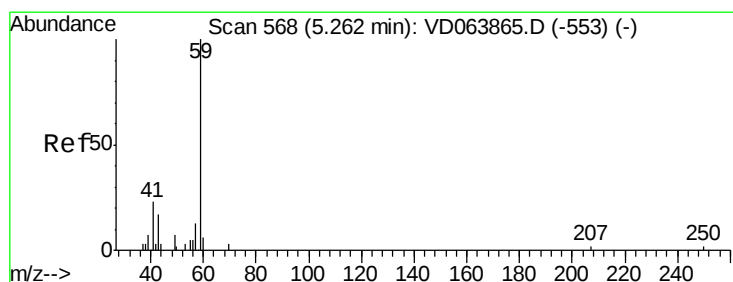
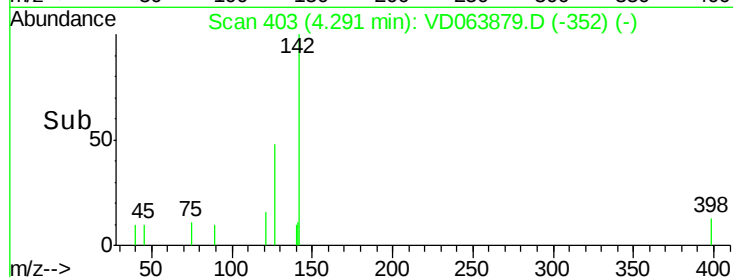
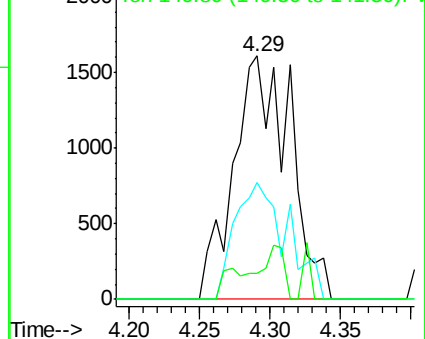
141 7.1 12.2 18.2#



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: 21.127 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD063879.D

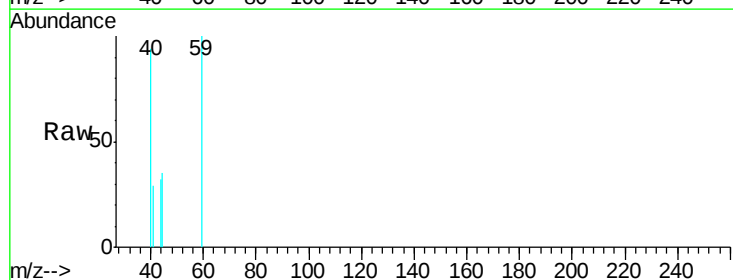
Acq: 03 Oct 2019 16:54

Tgt Ion: 59 Resp: 3254

Ion Ratio Lower Upper

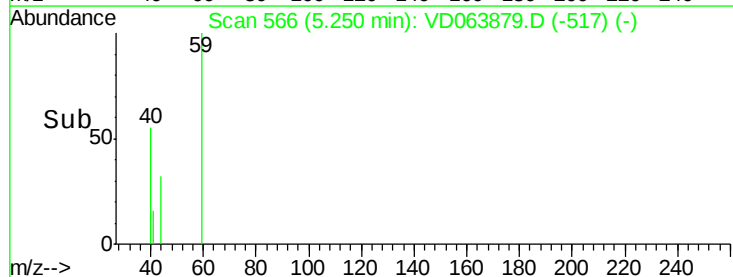
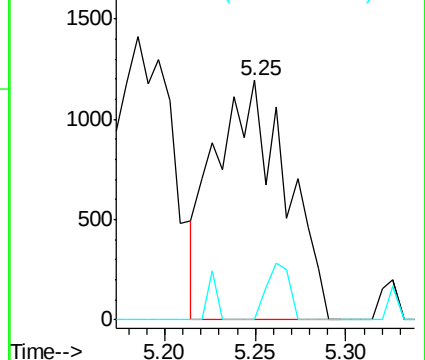
59 100

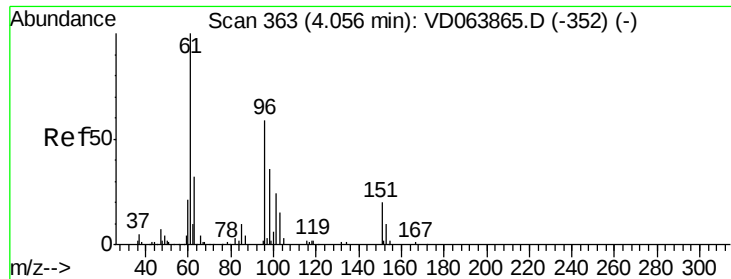
57 7.6 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#12

1,1-Dichloroethene

Concen: 2.769 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.02 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampled :

MDL05

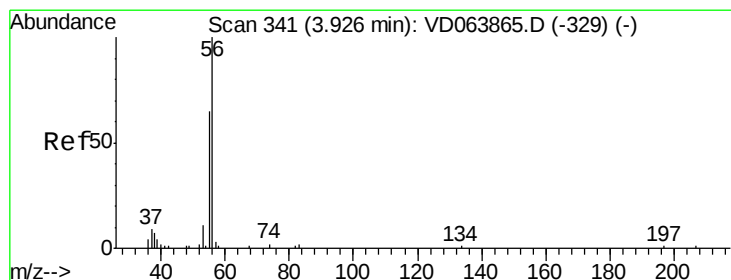
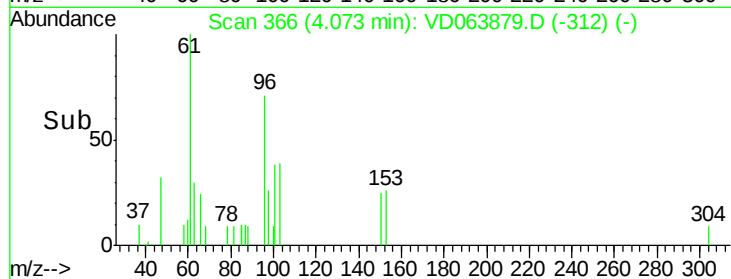
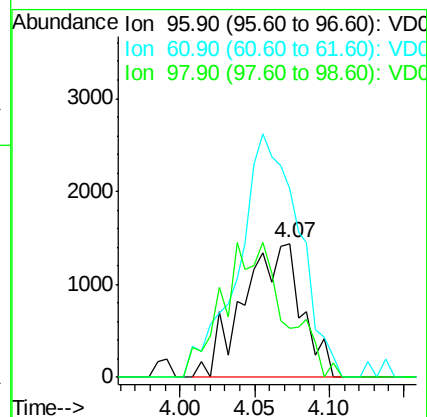
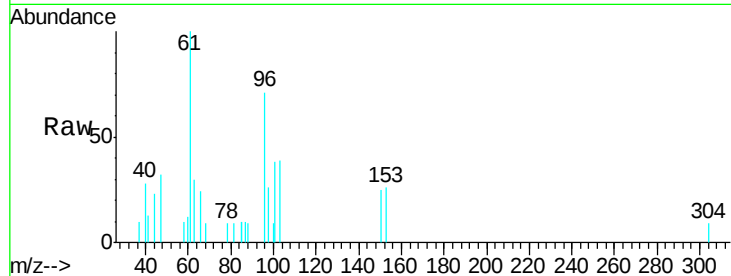
Tgt Ion: 96 Resp: 3921

Ion Ratio Lower Upper

96 100

61 141.2 135.6 203.4

98 36.3 49.2 73.8#



#13

Acrolein

Concen: 18.701 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063879.D

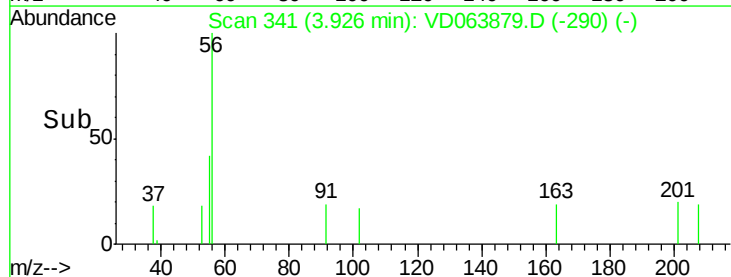
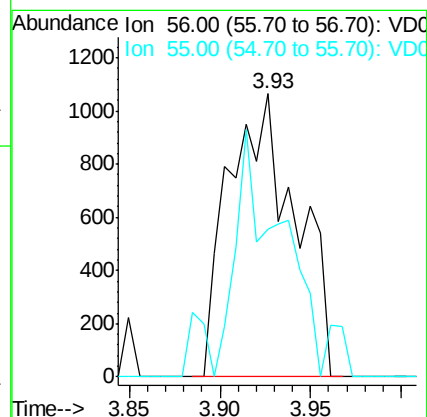
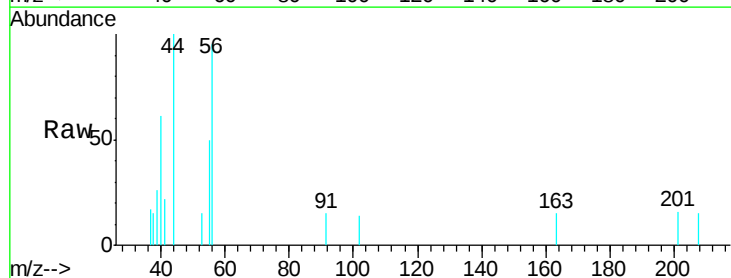
Acq: 03 Oct 2019 16:54

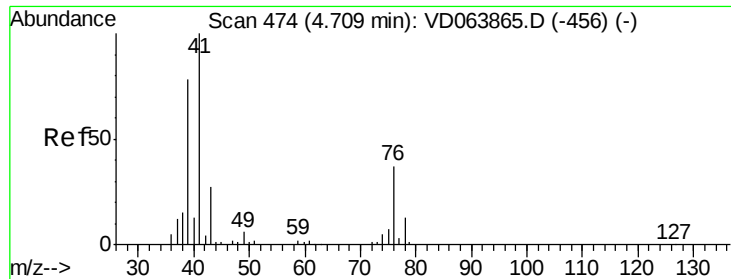
Tgt Ion: 56 Resp: 2748

Ion Ratio Lower Upper

56 100

55 34.3 53.0 79.6#





#14

Allyl chloride

Concen: 2.648 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.02 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

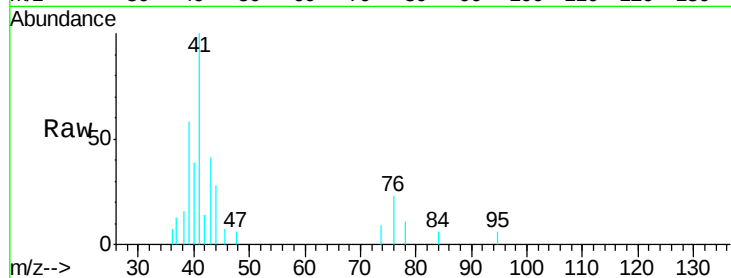
Tgt Ion: 41 Resp: 6234

Ion Ratio Lower Upper

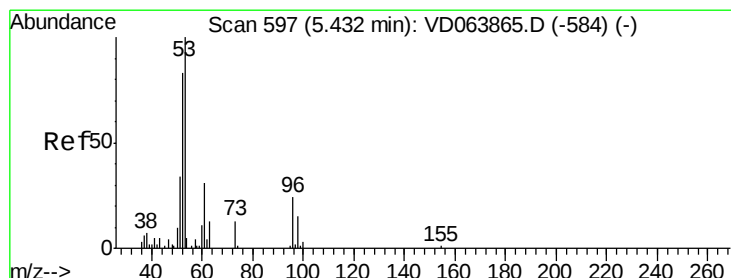
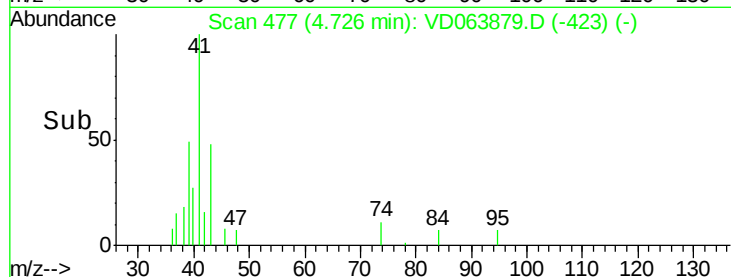
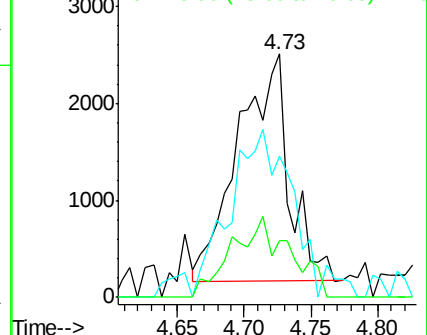
41 100

39 92.5 61.8 92.6

76 40.4 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC



#15

Acrylonitrile

Concen: 14.882 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

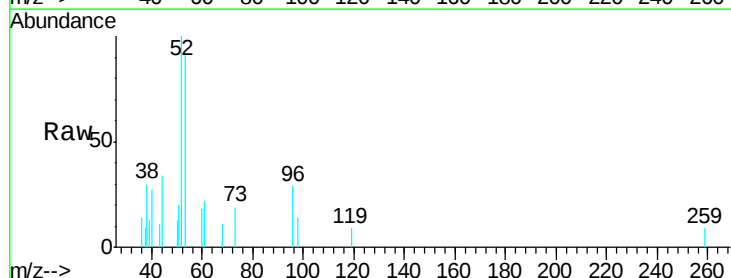
Tgt Ion: 53 Resp: 5393

Ion Ratio Lower Upper

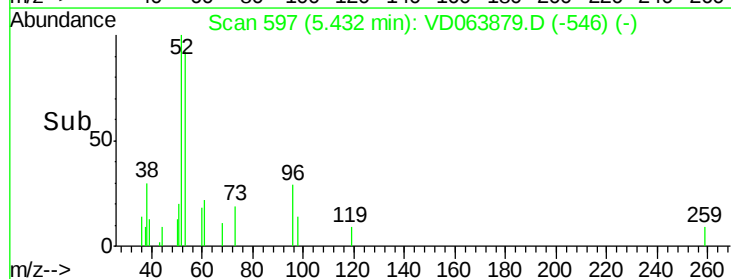
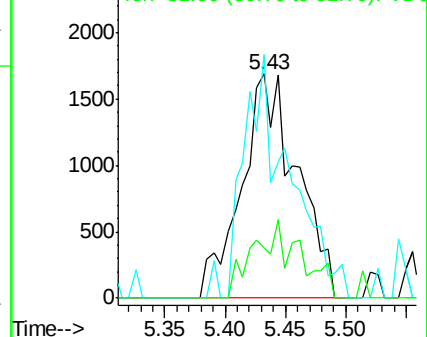
53 100

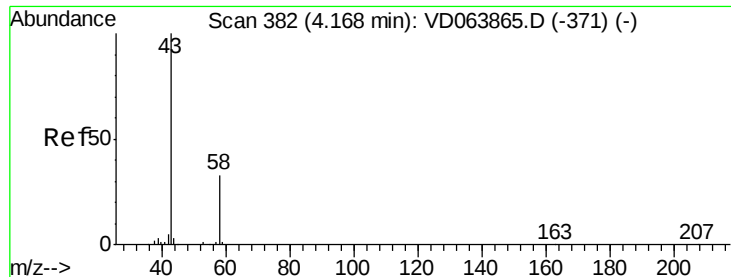
52 90.9 67.3 100.9

51 13.0 30.5 45.7#



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: 21.303 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

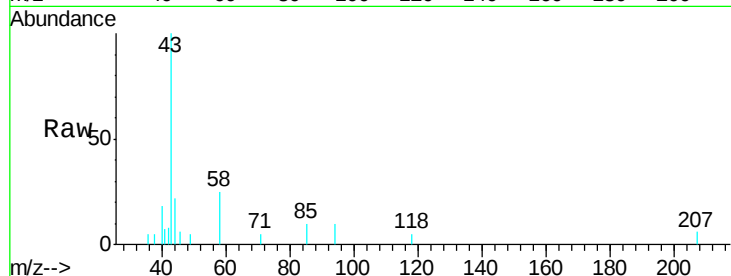
MDL05

Tgt Ion: 43 Resp: 9125

Ion Ratio Lower Upper

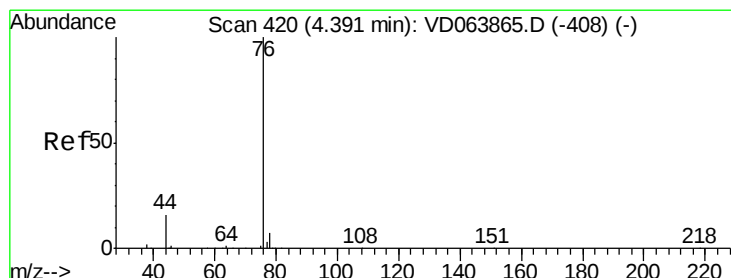
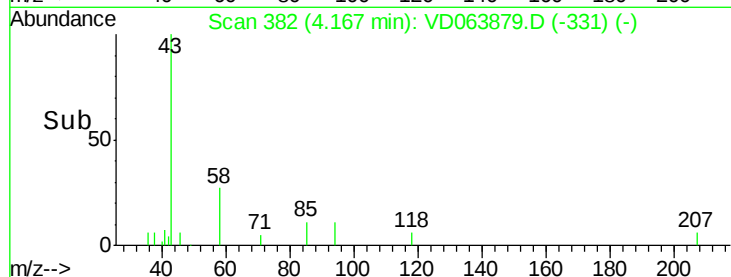
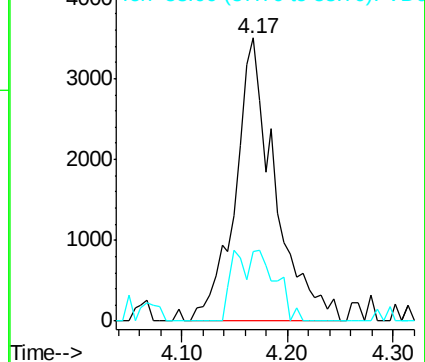
43 100

58 24.8 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 2.824 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063879.D

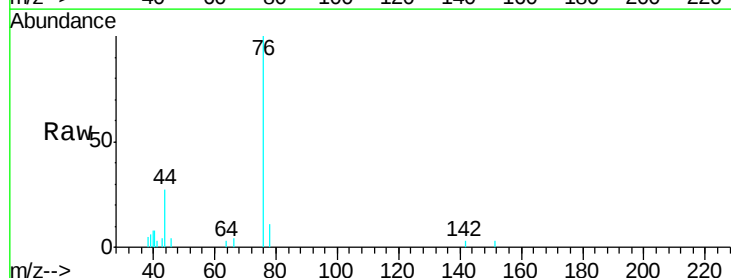
Acq: 03 Oct 2019 16:54

Tgt Ion: 76 Resp: 14539

Ion Ratio Lower Upper

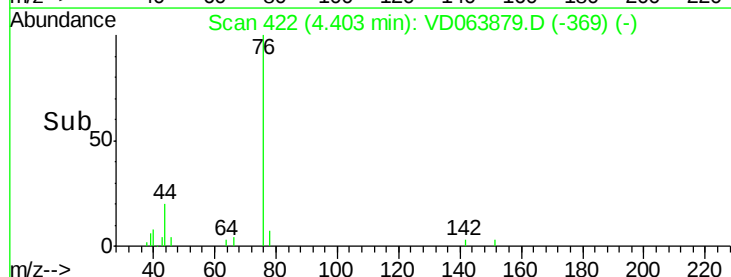
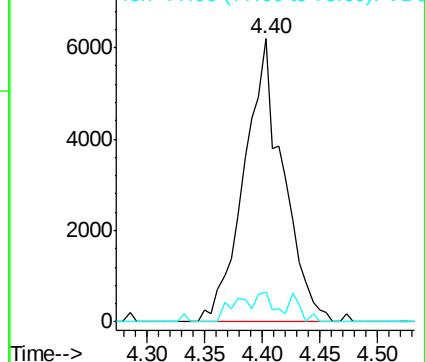
76 100

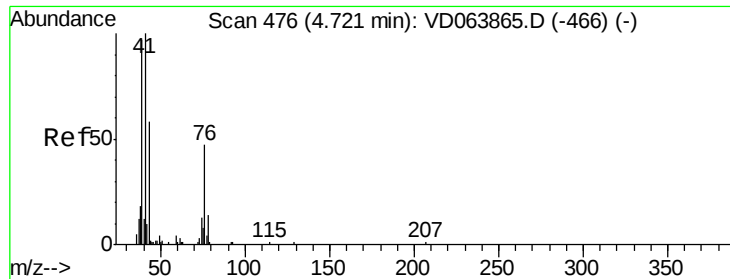
78 10.7 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

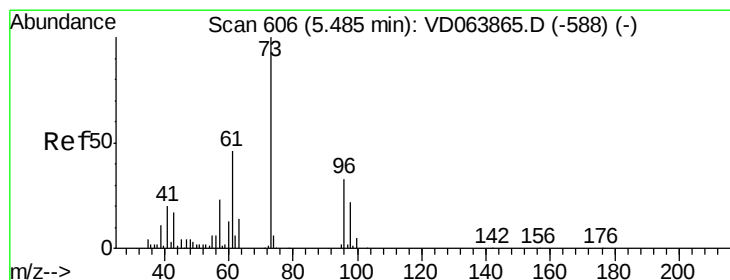
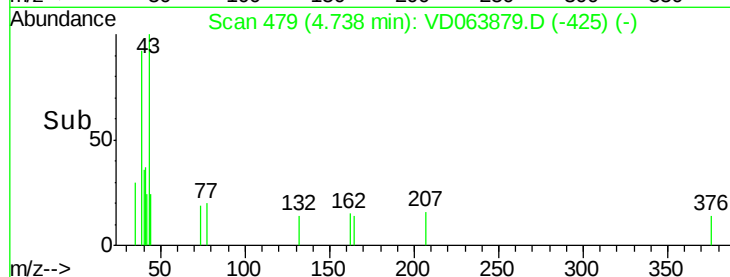
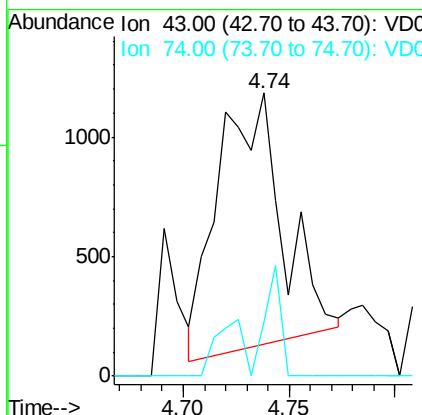
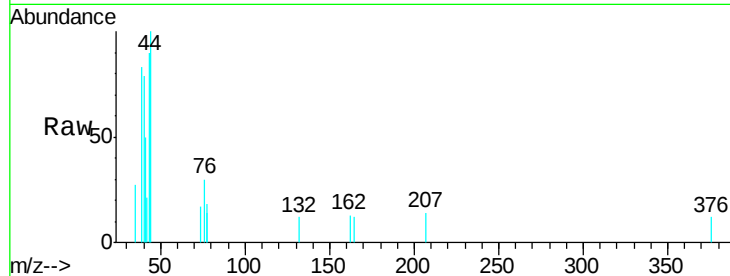




#18
Methyl Acetate
Concen: 2.717 ug/l
RT: 4.74 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

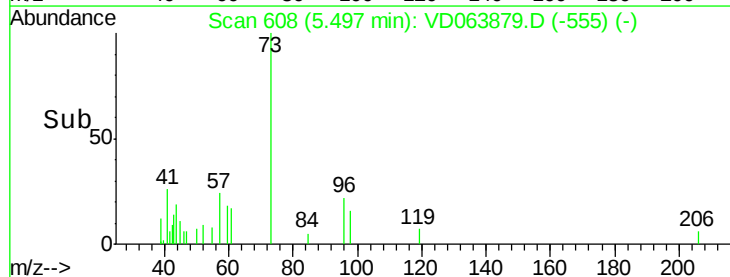
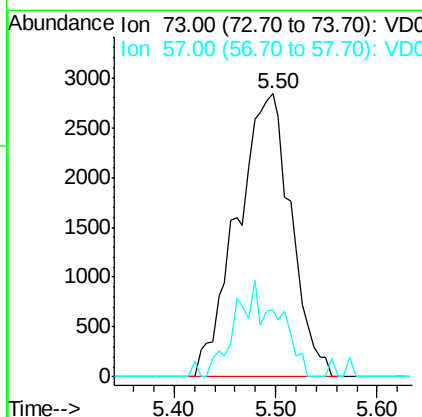
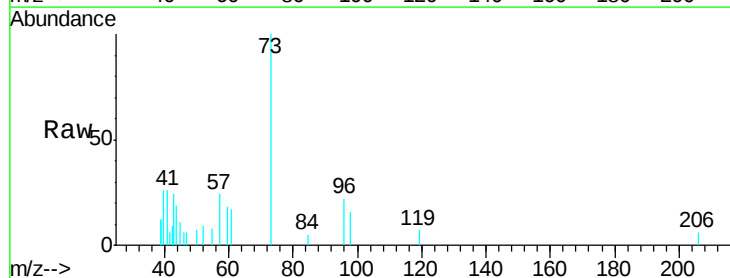
Instrument :
MSVOA_D
ClientSampleId :
MDL05

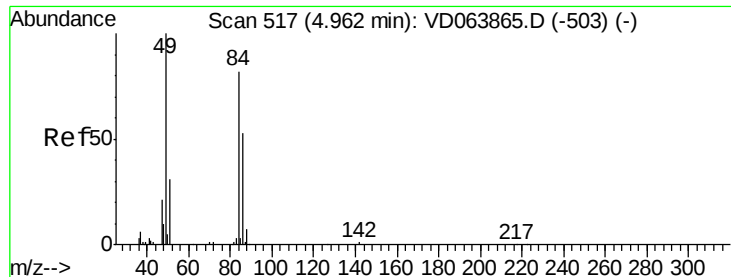
Tgt Ion: 43 Resp: 2276
Ion Ratio Lower Upper
43 100
74 10.7 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 2.863 ug/l
RT: 5.50 min Scan# 608
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 73 Resp: 10499
Ion Ratio Lower Upper
73 100
57 23.9 18.1 27.1





#20

Methylene Chloride

Concen: 3.709 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tgt Ion: 84 Resp: 12345

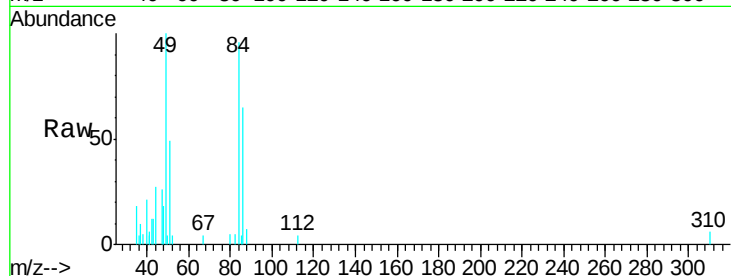
Ion Ratio Lower Upper

84 100

49 104.2 97.3 145.9

51 51.2 30.1 45.1#

86 68.2 51.4 77.2

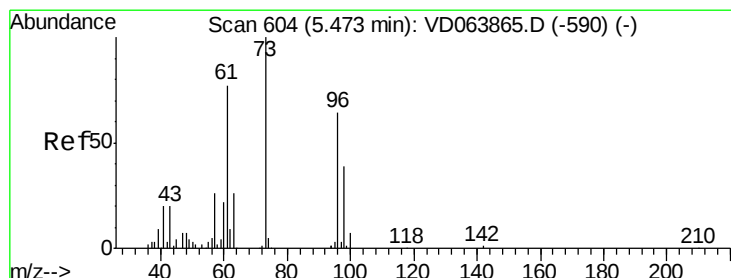
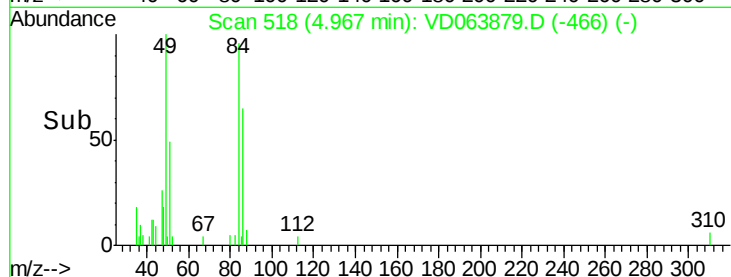
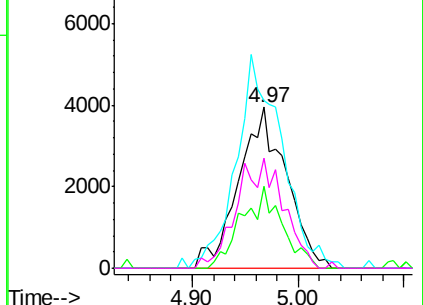


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#21

trans-1,2-Dichloroethene

Concen: 2.786 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

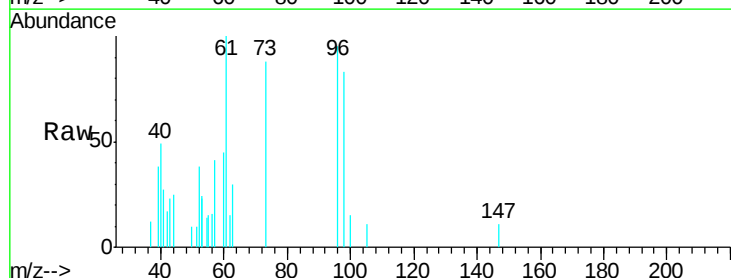
Tgt Ion: 96 Resp: 4912

Ion Ratio Lower Upper

96 100

61 105.1 96.6 145.0

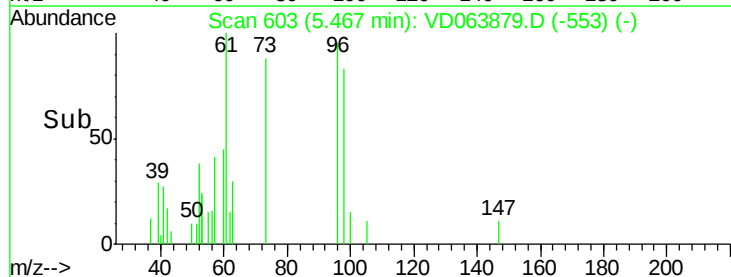
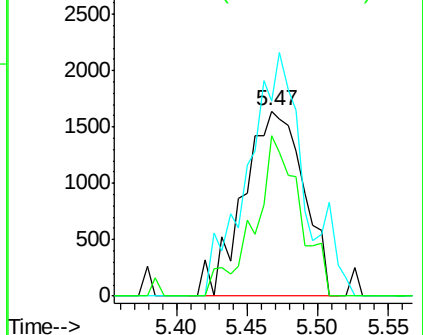
98 86.7 48.7 73.1#

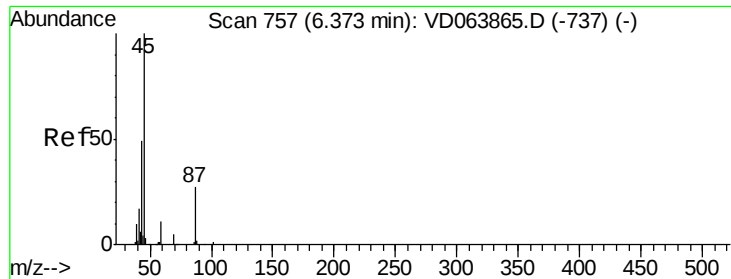


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#22

Diisopropyl ether

Concen: 3.122 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tgt Ion: 45 Resp: 15015

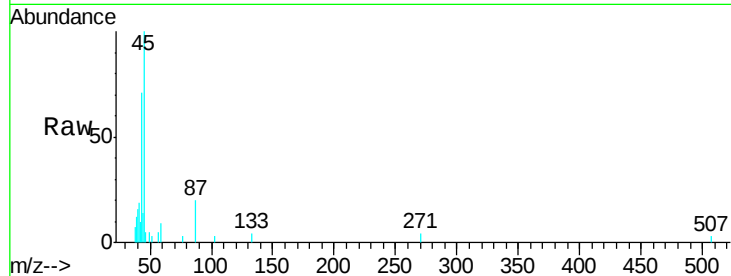
Ion Ratio Lower Upper

45 100

43 70.8 41.2 61.8#

87 19.6 22.2 33.4#

59 8.5 9.2 13.8#

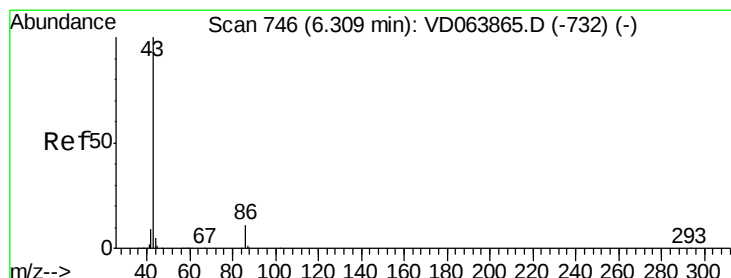
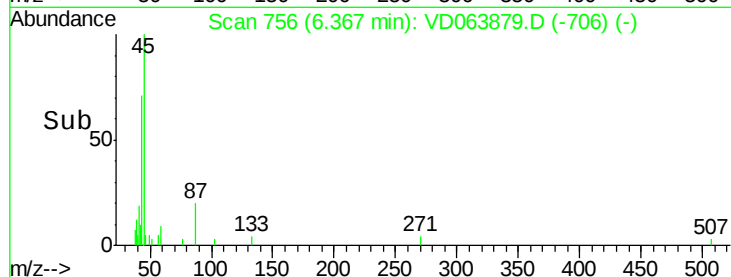
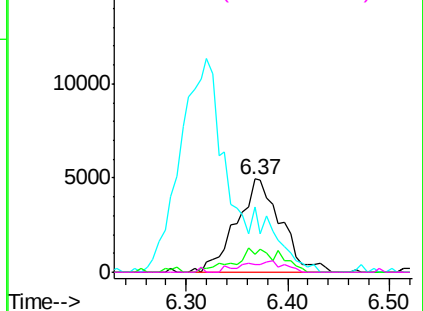


Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 12.056 ug/l

RT: 6.32 min Scan# 748

Delta R.T. 0.01 min

Lab File: VD063879.D

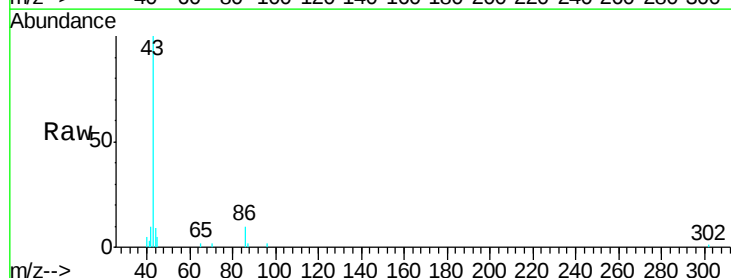
Acq: 03 Oct 2019 16:54

Tgt Ion: 43 Resp: 34490

Ion Ratio Lower Upper

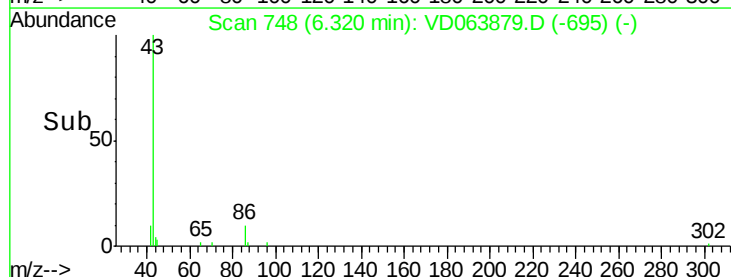
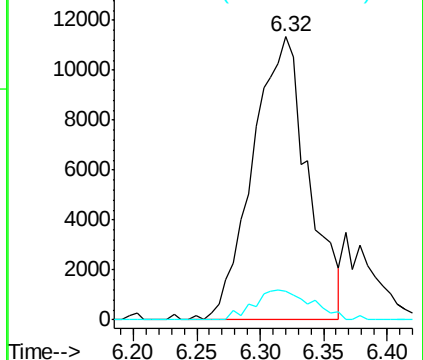
43 100

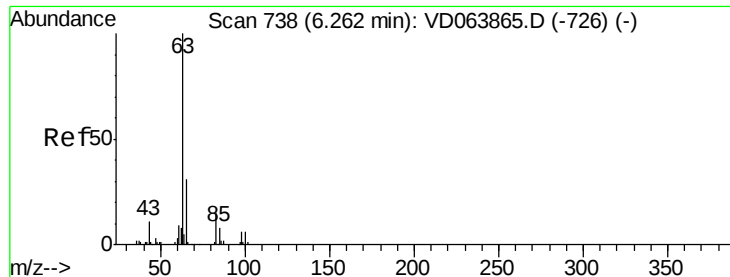
86 10.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 2.995 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

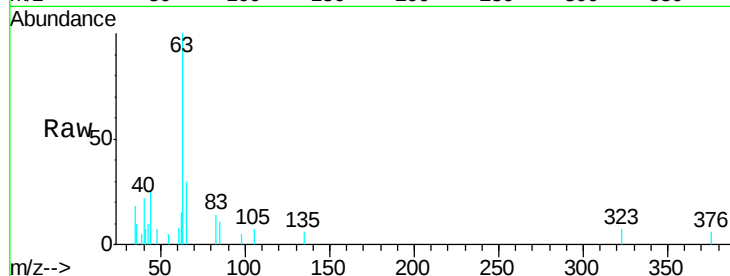
Instrument :

MSVOA_D

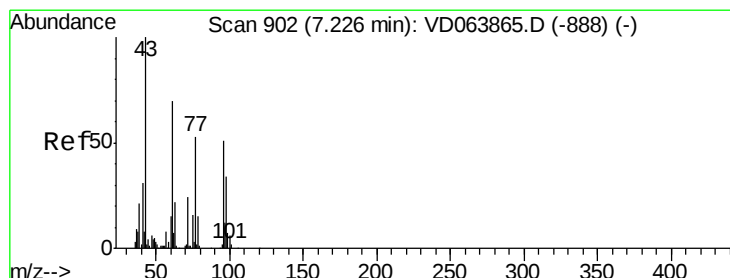
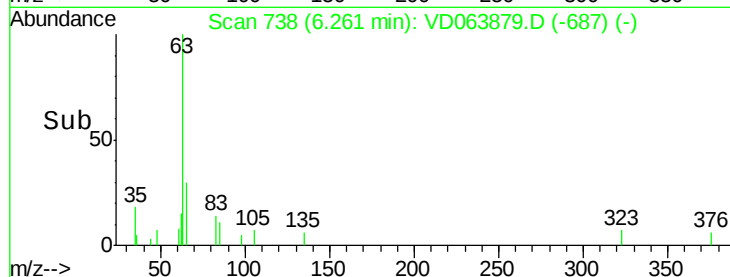
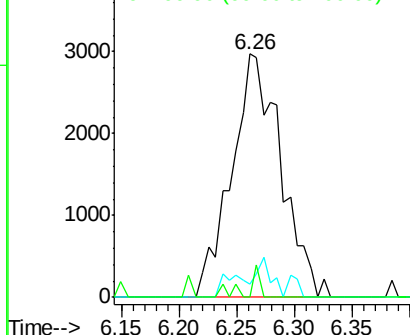
ClientSampleId :

MDL05

Tgt Ion:	63	Resp:	8870
Ion	Ratio	Lower	Upper
63	100		
98	5.4	3.1	9.4
100	0.0	3.0	9.2#



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: 17.704 ug/l

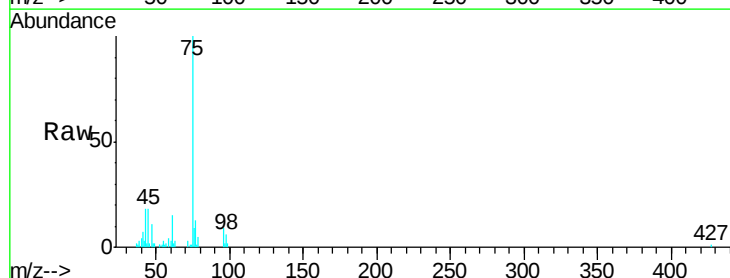
RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

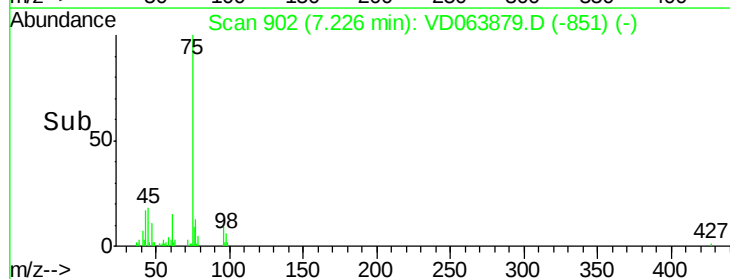
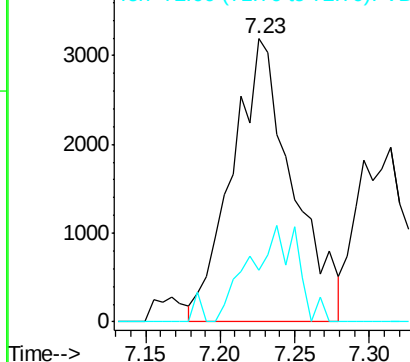
Lab File: VD063879.D

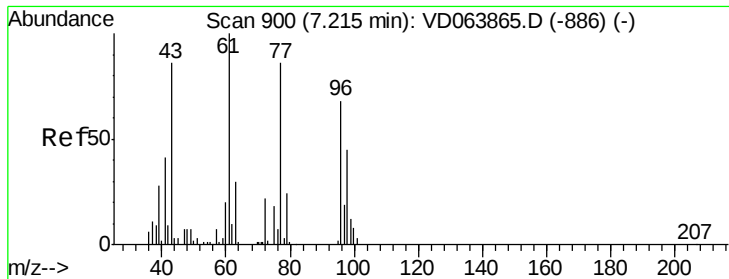
Acq: 03 Oct 2019 16:54

Tgt Ion:	43	Resp:	8987
Ion	Ratio	Lower	Upper
43	100		
72	19.6	19.2	28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 3.350 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

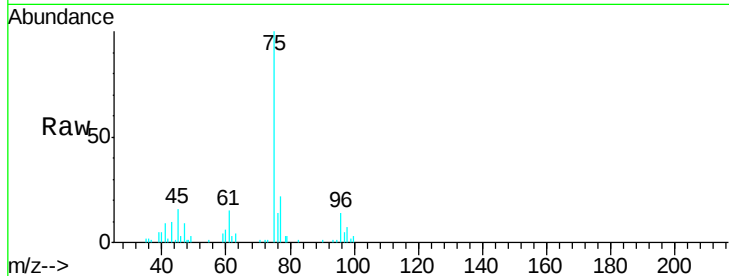
MDL05

Tgt Ion: 77 Resp: 8976

Ion Ratio Lower Upper

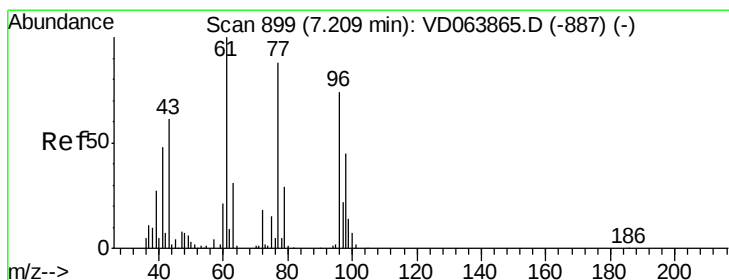
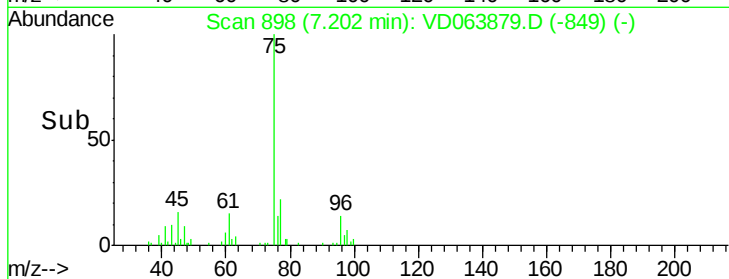
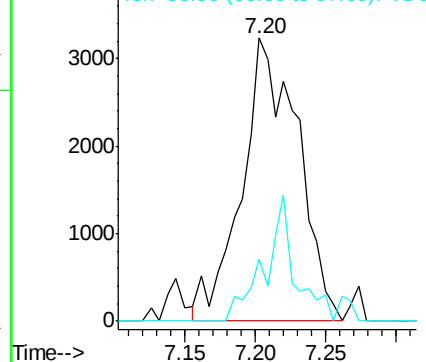
77 100

97 24.2 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#27

cis-1,2-Dichloroethene

Concen: 2.970 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

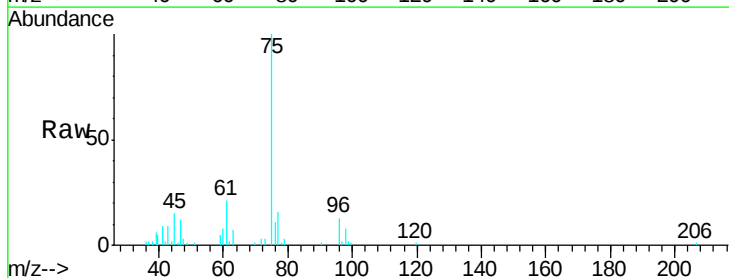
Tgt Ion: 96 Resp: 5927

Ion Ratio Lower Upper

96 100

61 153.8 0.0 280.0

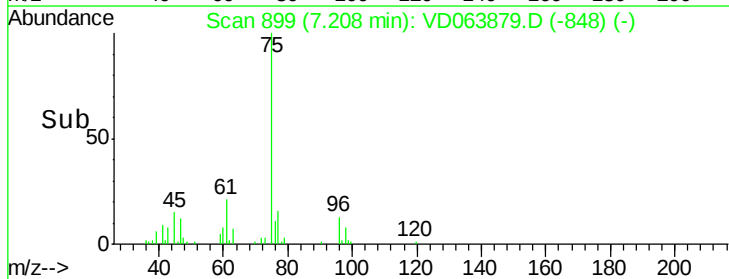
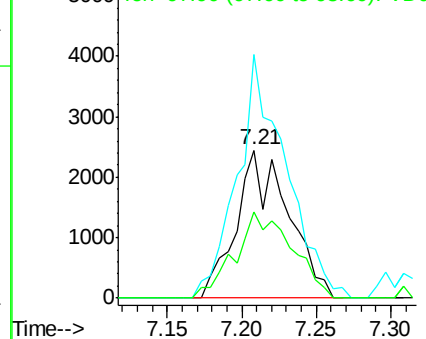
98 63.8 0.0 130.4

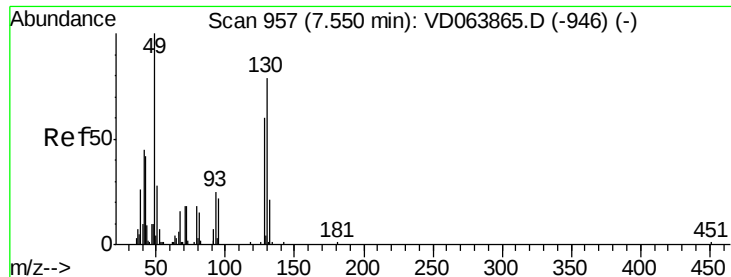


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#28

Bromochloromethane

Concen: 5.086 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

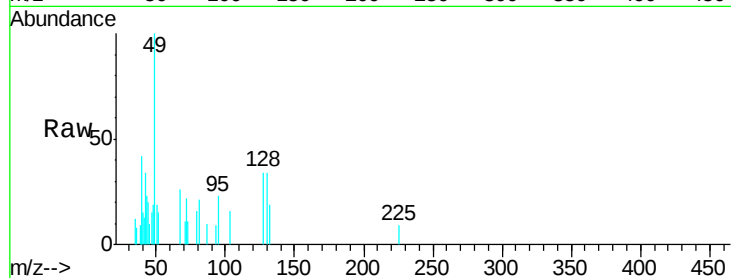
Tgt Ion: 49 Resp: 3769

Ion Ratio Lower Upper

49 100

129 2.1 0.0 5.6

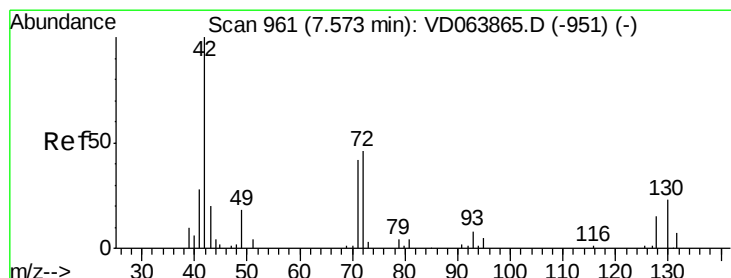
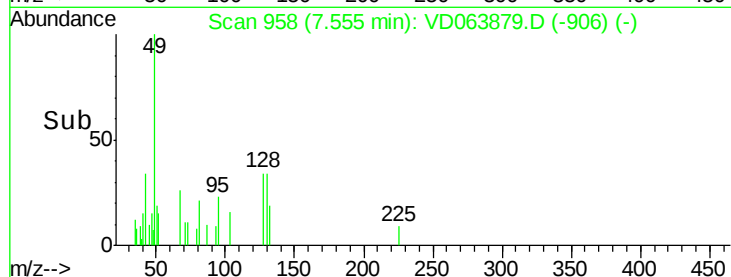
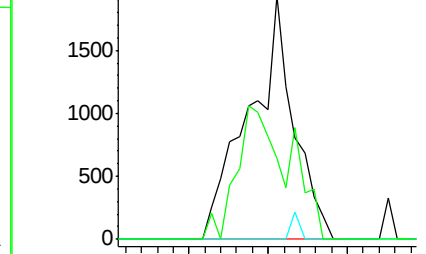
130 0.0 66.8 100.2#



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: 5.754 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

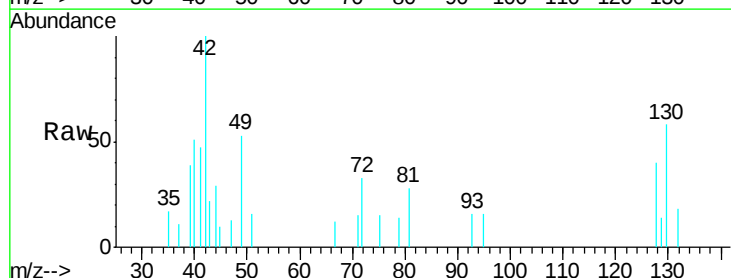
Tgt Ion: 42 Resp: 1705

Ion Ratio Lower Upper

42 100

72 111.0 37.6 56.4#

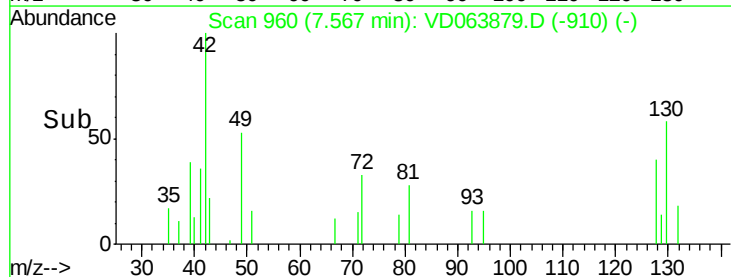
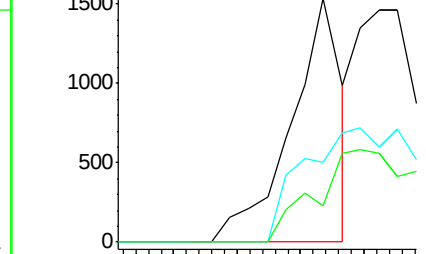
71 85.3 35.0 52.6#

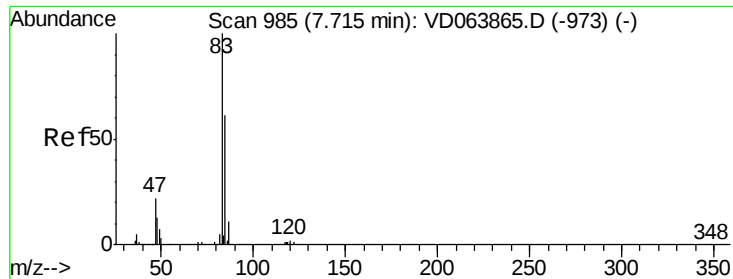


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

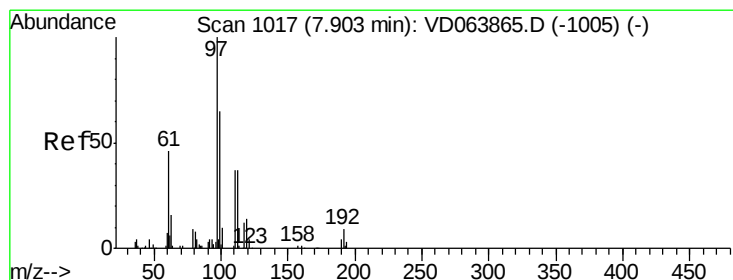
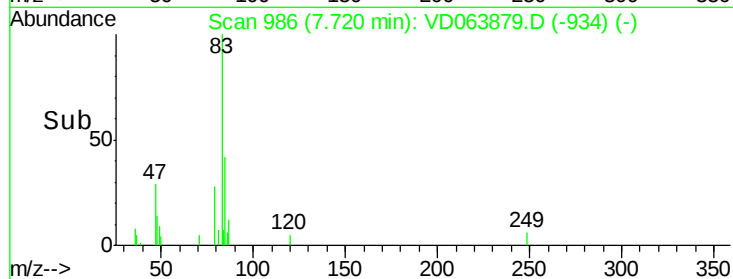
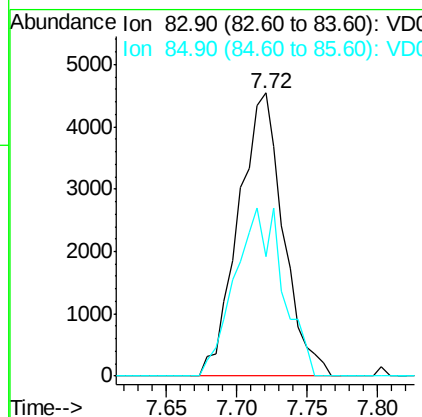
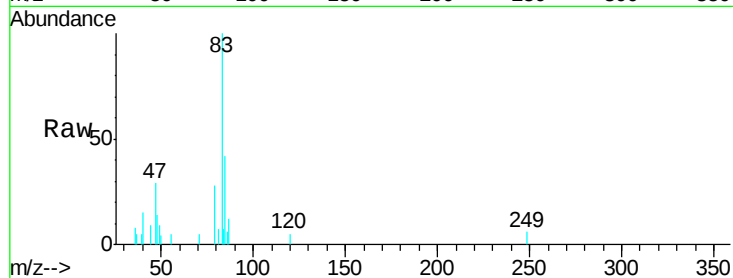




#30
Chloroform
Concen: 3.142 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

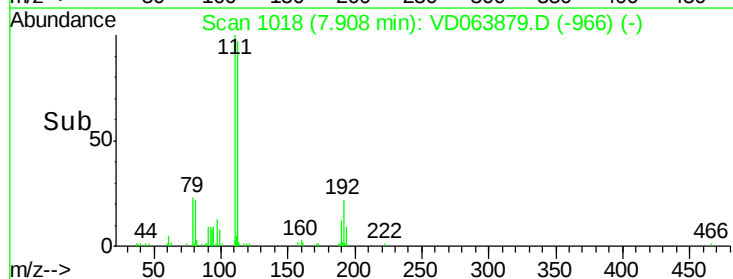
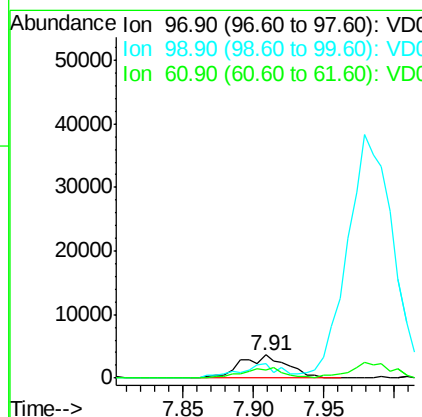
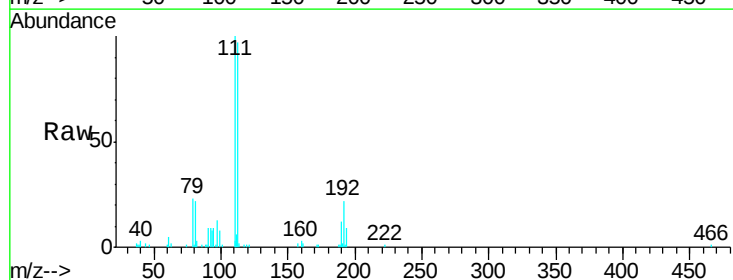
Instrument :
MSVOA_D
ClientSampled :
MDL05

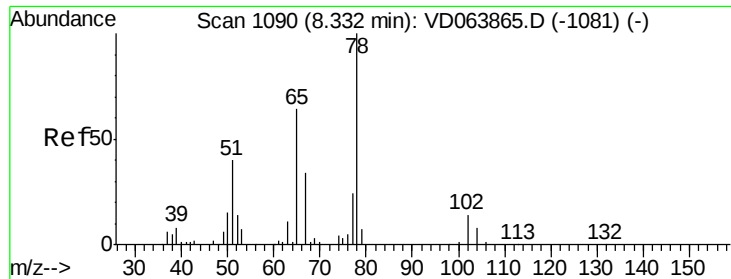
Tgt Ion: 83 Resp: 10107
Ion Ratio Lower Upper
83 100
85 42.2 48.9 73.3#



#32
1,1,1-Trichloroethane
Concen: 3.009 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 97 Resp: 8303
Ion Ratio Lower Upper
97 100
99 54.3 52.4 78.6
61 40.3 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 59.299 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

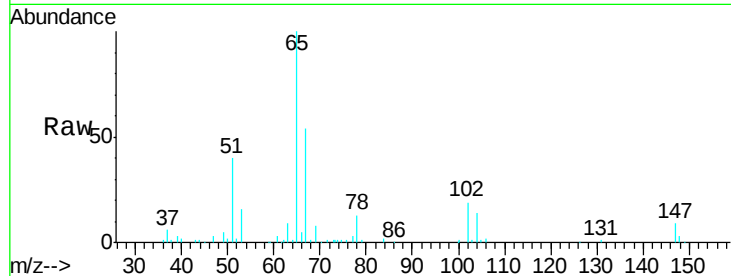
MDL05

Tgt Ion: 65 Resp: 97559

Ion Ratio Lower Upper

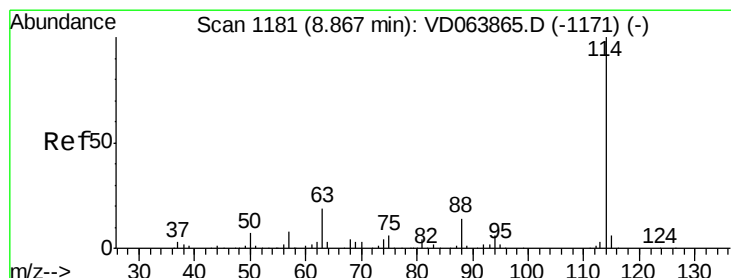
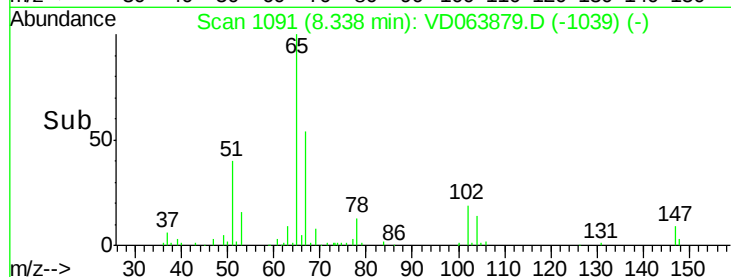
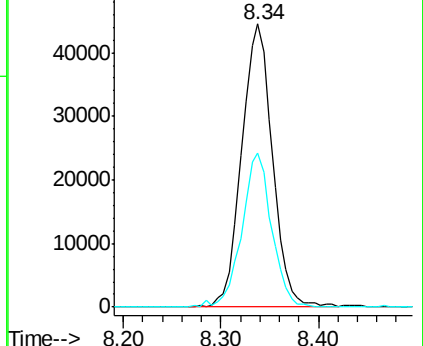
65 100

67 52.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

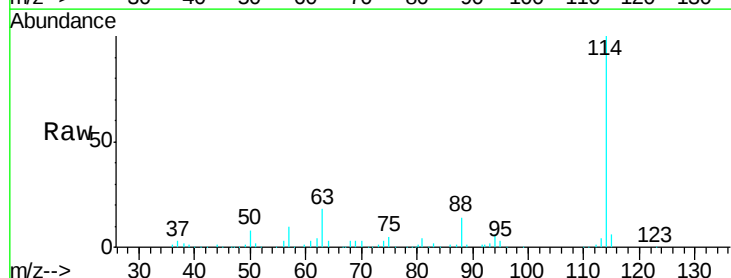
Tgt Ion: 114 Resp: 283333

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

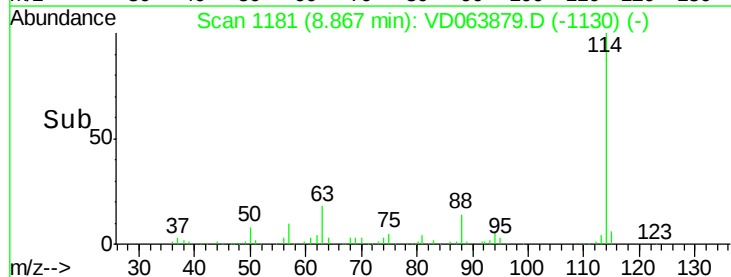
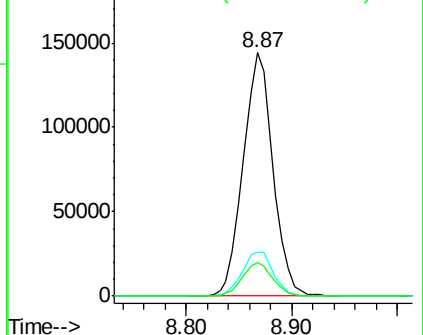
88 13.7 0.0 27.4

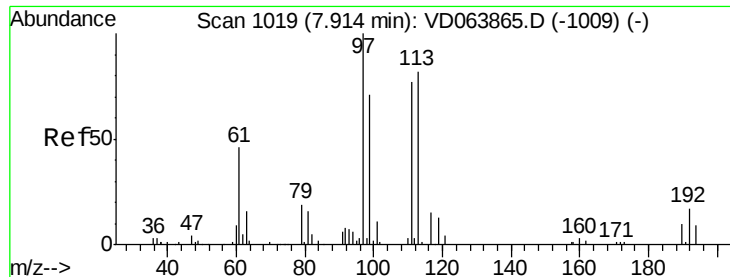


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

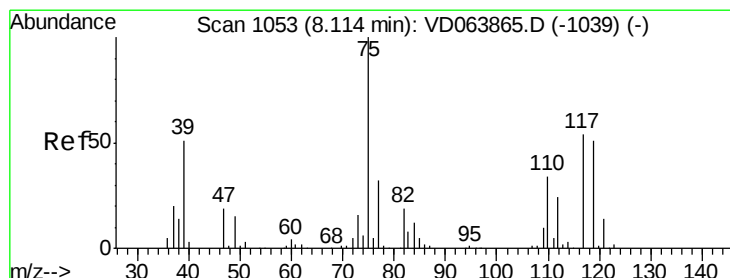
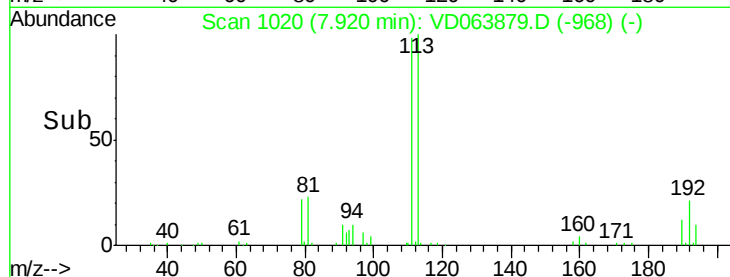
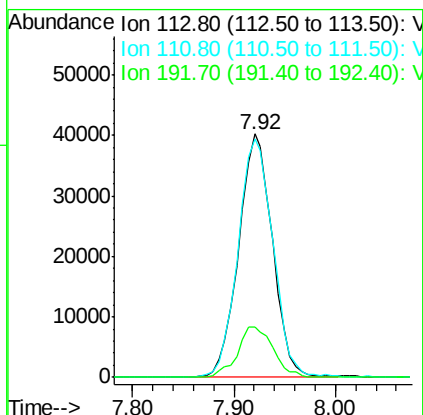
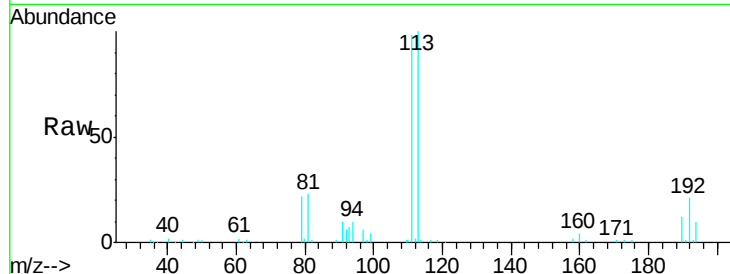




#35
 Dibromofluoromethane
 Concen: 53.861 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

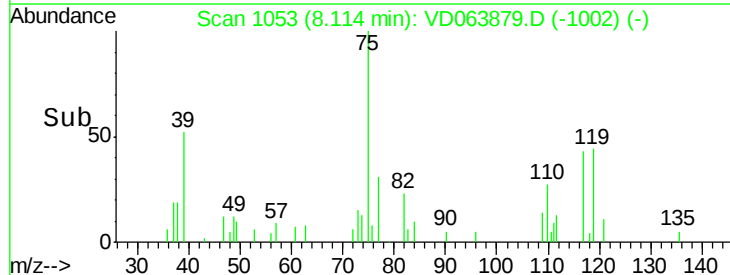
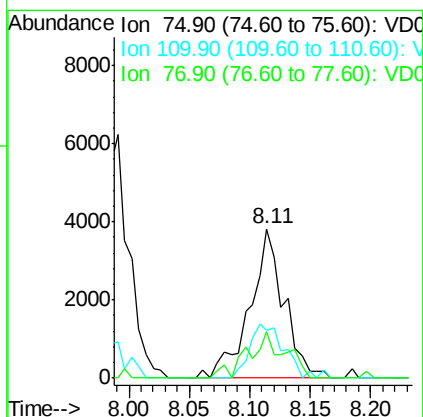
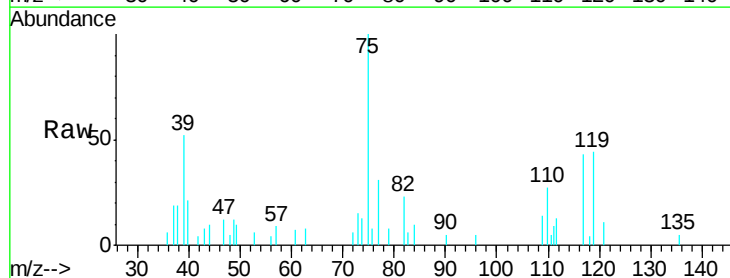
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

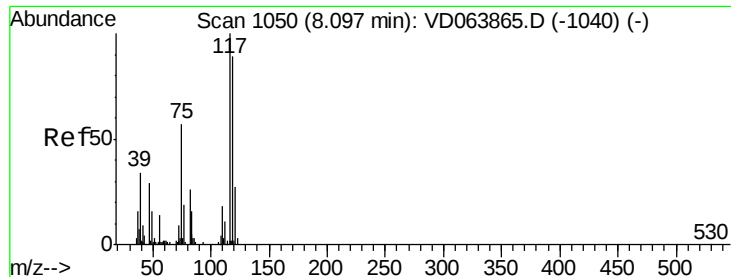
Tgt Ion:113 Resp: 93262
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 123.8
 192 21.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 2.907 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion: 75 Resp: 7532
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.4 52.3
 77 33.4 25.4 38.0





#38

Carbon Tetrachloride

Concen: 2.523 ug/l

RT: 8.09 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

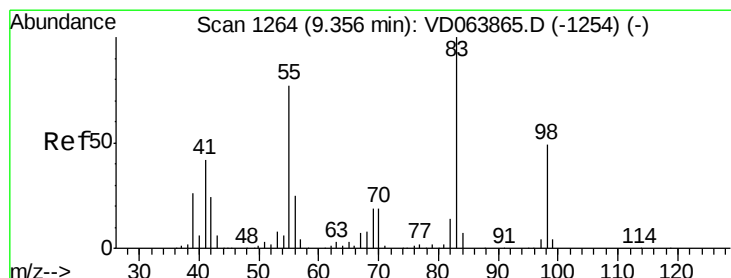
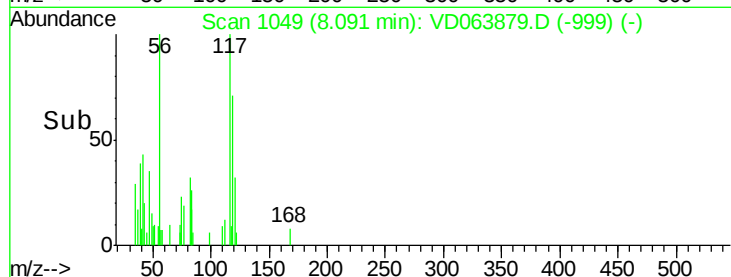
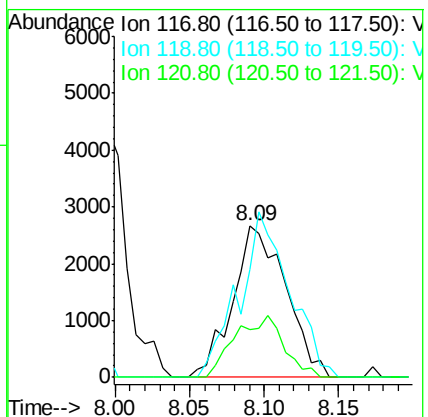
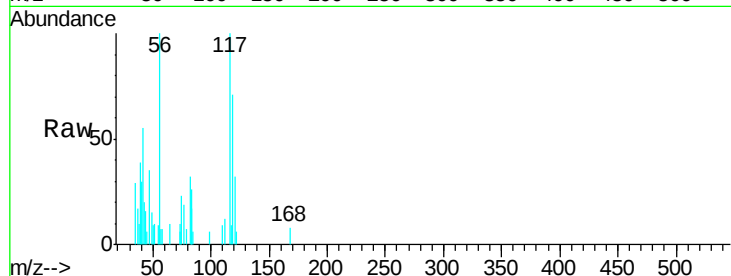
Tgt Ion: 117 Resp: 6605

Ion Ratio Lower Upper

117 100

119 71.3 70.8 106.2

121 31.8 21.4 32.0



#39

Methylcyclohexane

Concen: 2.784 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

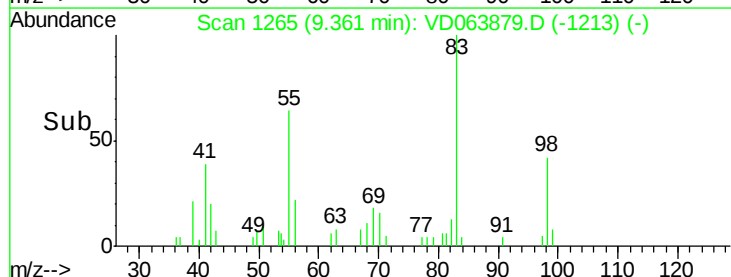
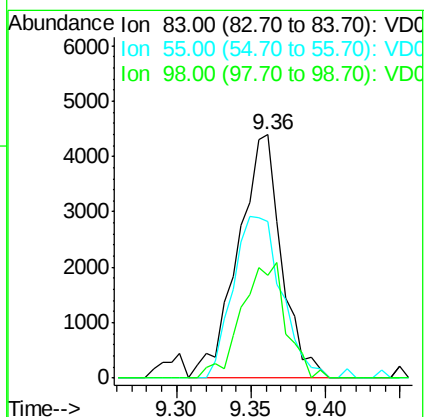
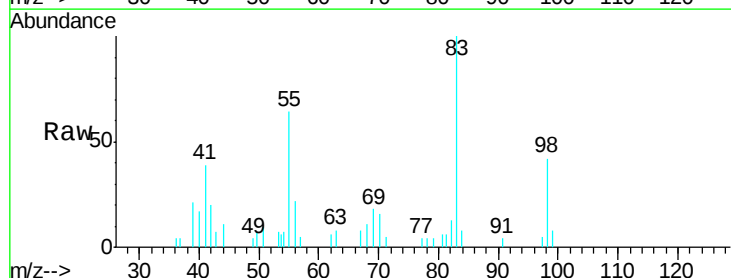
Tgt Ion: 83 Resp: 8869

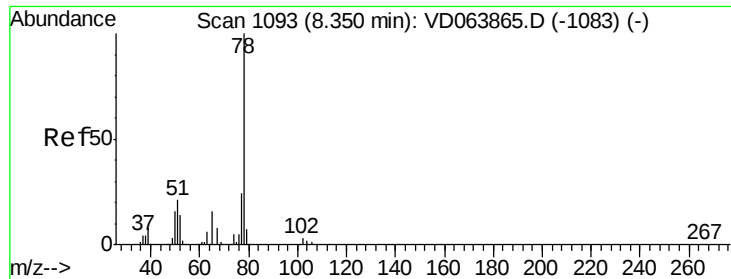
Ion Ratio Lower Upper

83 100

55 64.2 61.3 91.9

98 42.0 39.3 58.9





#40

Benzene

Concen: 2.789 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

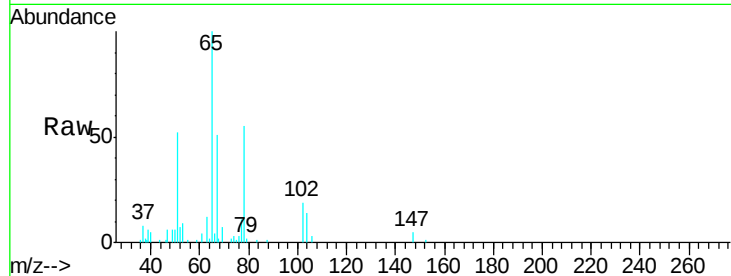
MDL05

Tgt Ion: 78 Resp: 20706

Ion Ratio Lower Upper

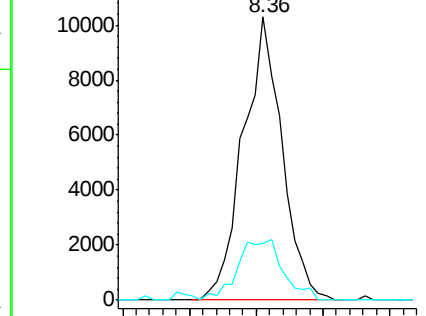
78 100

77 20.1 19.0 28.6

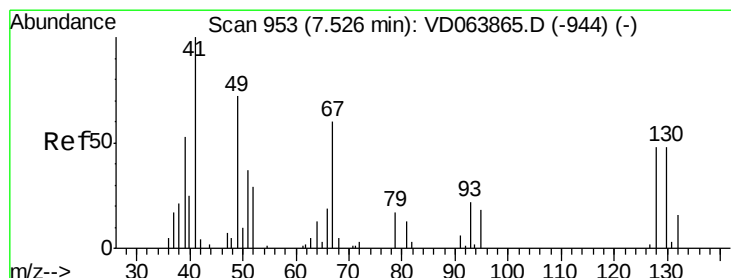
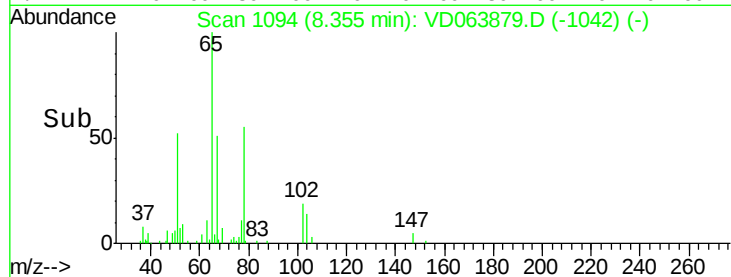


Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 8.25 8.30 8.35 8.40 8.45



#41

Methacrylonitrile

Concen: 3.295 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion: 41 Resp: 1979

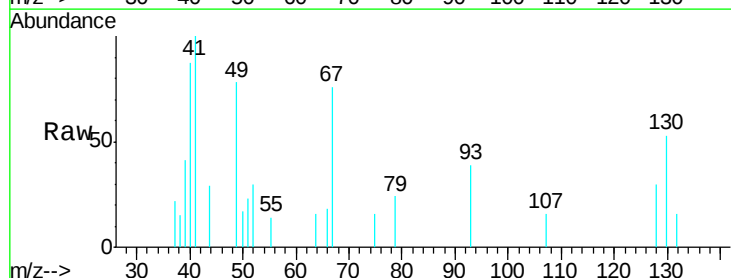
Ion Ratio Lower Upper

41 100

39 54.5 52.6 78.8

67 84.4 74.2 111.2

52 24.4 34.0 51.0#

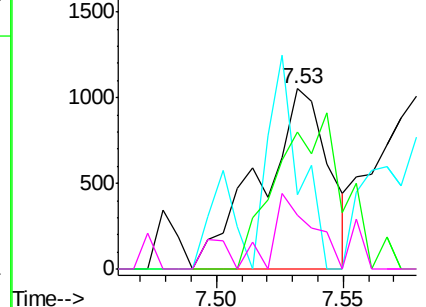


Abundance Ion 41.00 (40.70 to 41.70): VDC

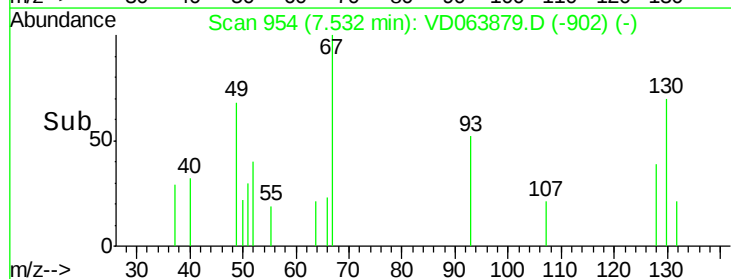
Ion 39.00 (38.70 to 39.70): VDC

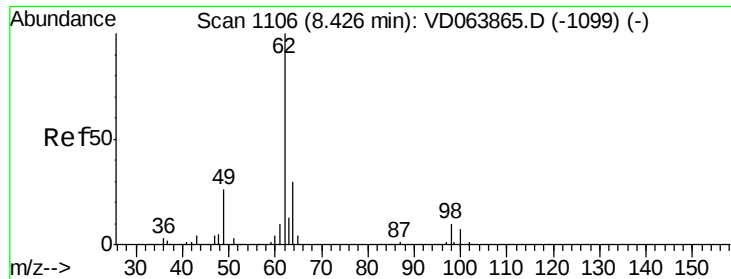
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



Time--> 7.50 7.55





#42

1,2-Dichloroethane

Concen: 3.095 ug/l

RT: 8.44 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

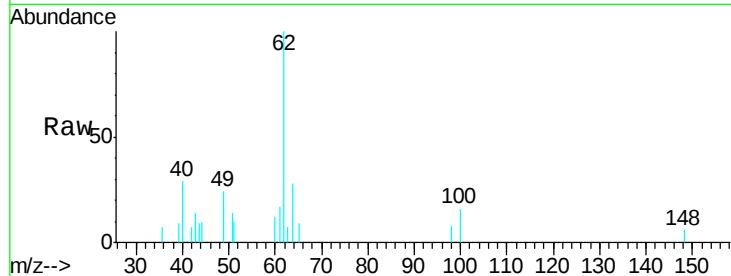
MDL05

Tgt Ion: 62 Resp: 6647

Ion Ratio Lower Upper

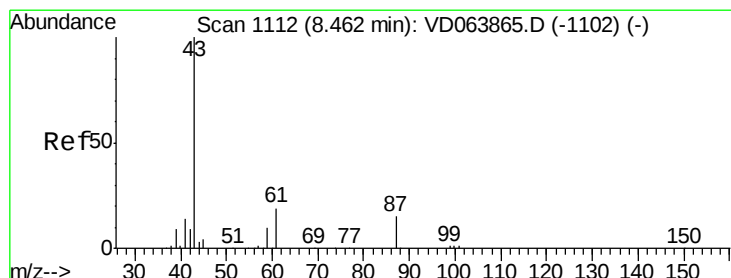
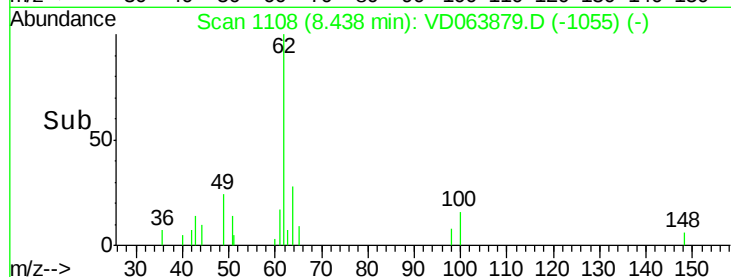
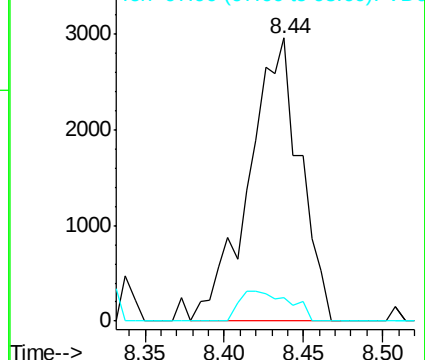
62 100

98 10.4 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#43

Isopropyl Acetate

Concen: 2.910 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

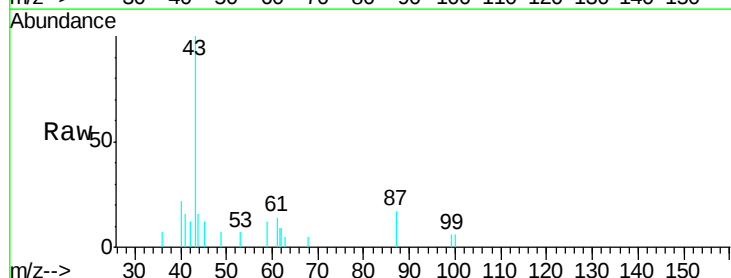
Tgt Ion: 43 Resp: 6322

Ion Ratio Lower Upper

43 100

61 28.2 25.7 38.5

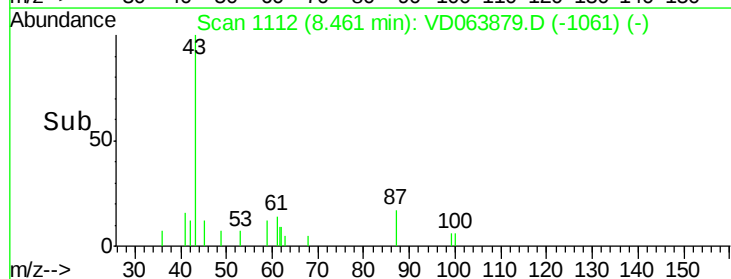
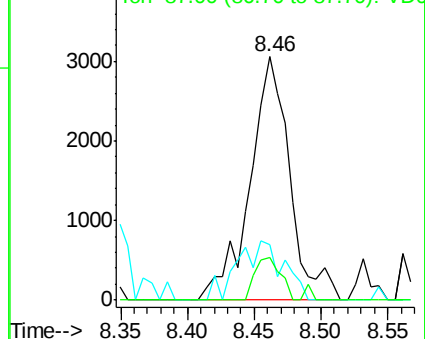
87 11.1 11.6 17.4#

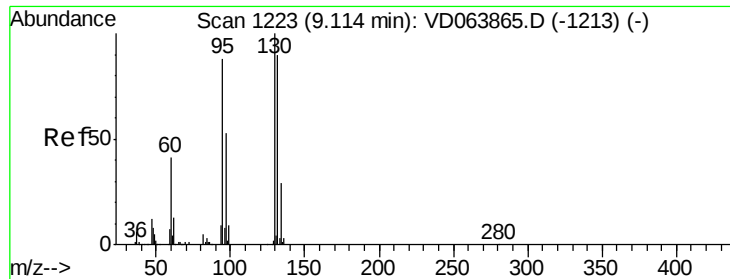


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC





#44

Trichloroethene

Concen: 2.946 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

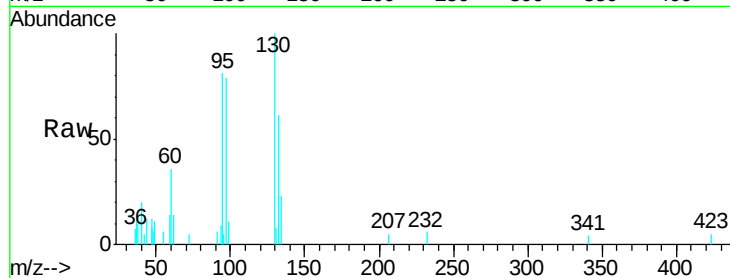
MDL05

Tgt Ion:130 Resp: 6307

Ion Ratio Lower Upper

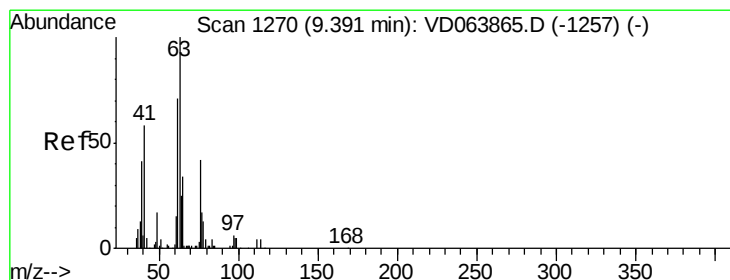
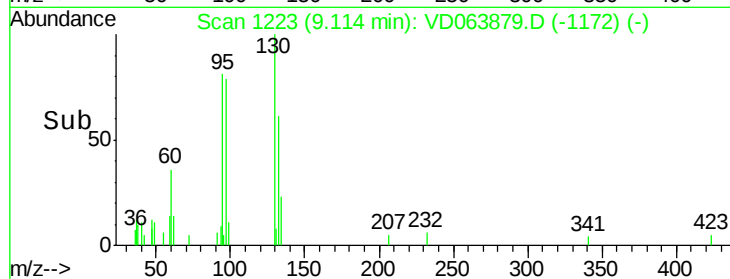
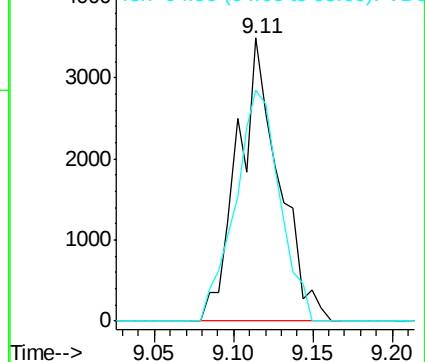
130 100

95 81.4 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 2.762 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063879.D

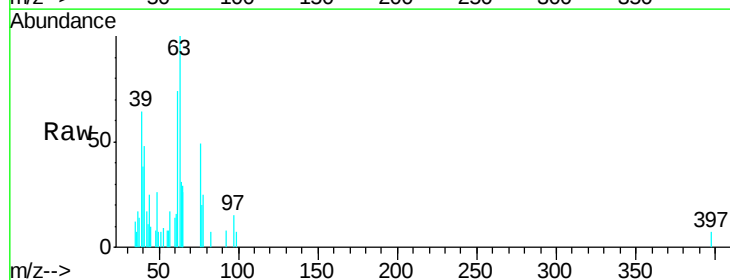
Acq: 03 Oct 2019 16:54

Tgt Ion: 63 Resp: 5018

Ion Ratio Lower Upper

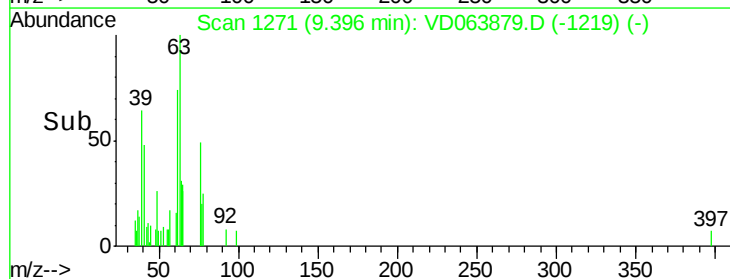
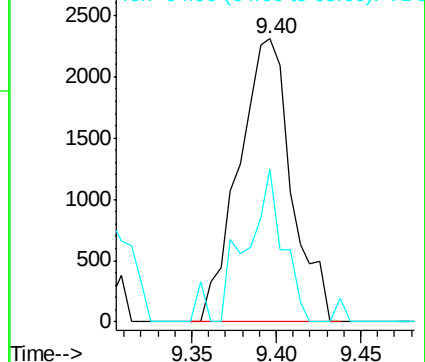
63 100

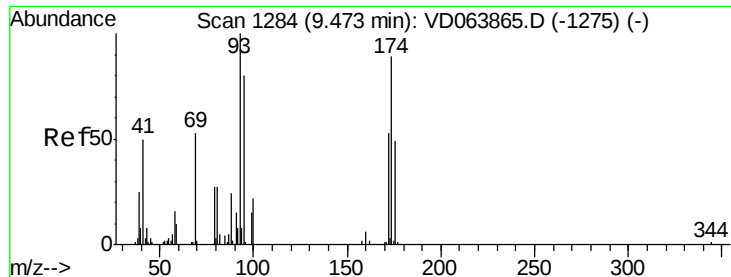
65 54.1 27.3 40.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

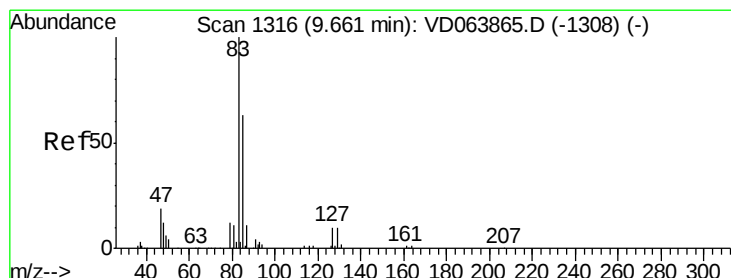
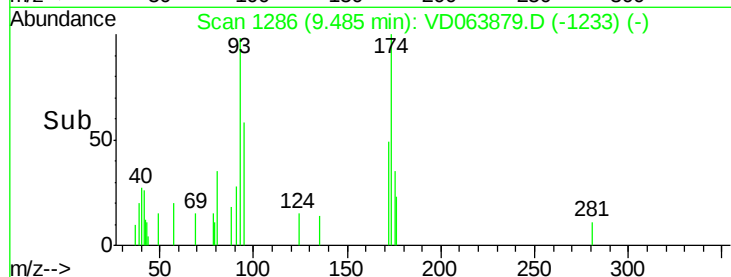
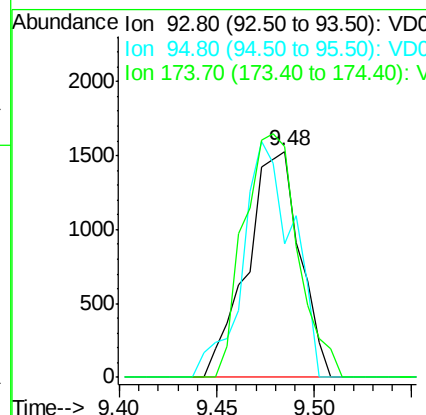
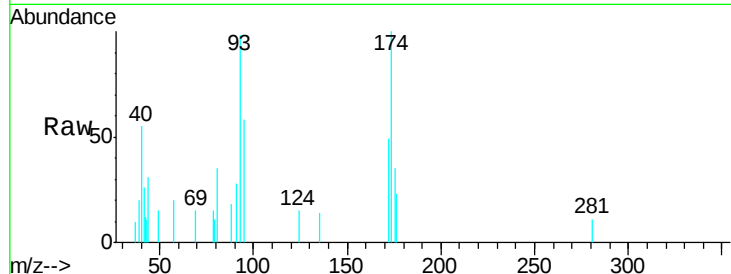




#46
Dibromomethane
Concen: 2.776 ug/l
RT: 9.48 min Scan# 1286
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

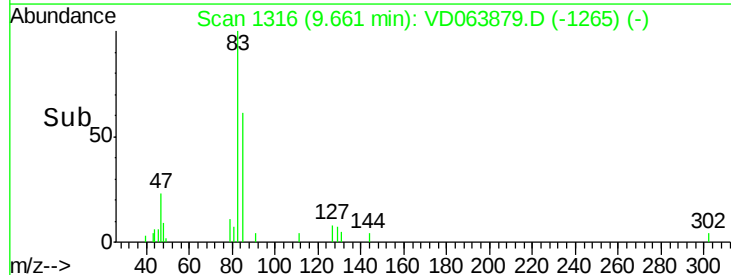
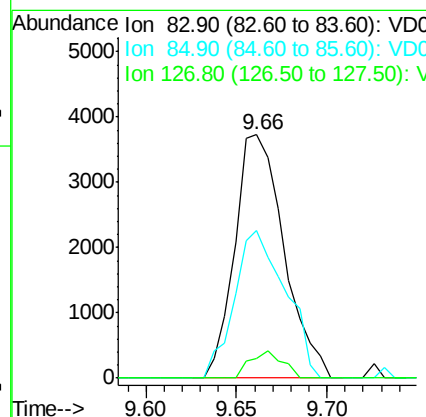
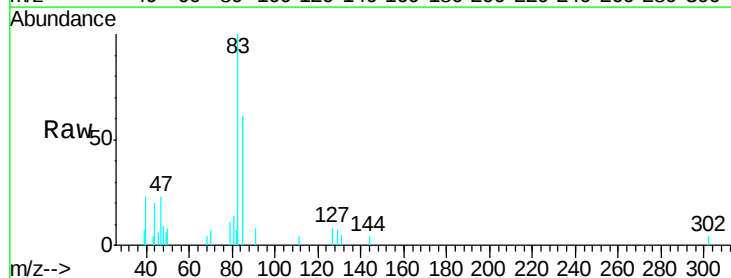
Instrument :
MSVOA_D
ClientSampleId :
MDL05

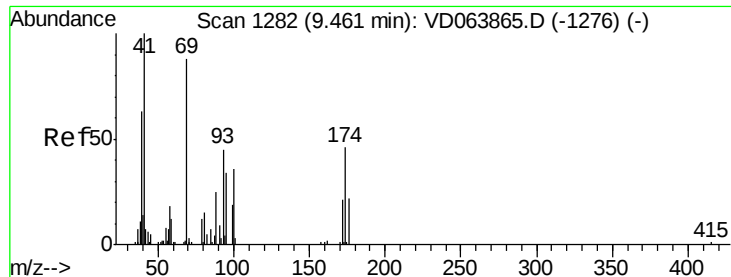
Tgt Ion: 93 Resp: 2873
Ion Ratio Lower Upper
93 100
95 98.8 66.0 99.0
174 110.2 83.4 125.0



#47
Bromodichloromethane
Concen: 2.654 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 83 Resp: 7071
Ion Ratio Lower Upper
83 100
85 60.5 50.2 75.2
127 7.8 7.6 11.4

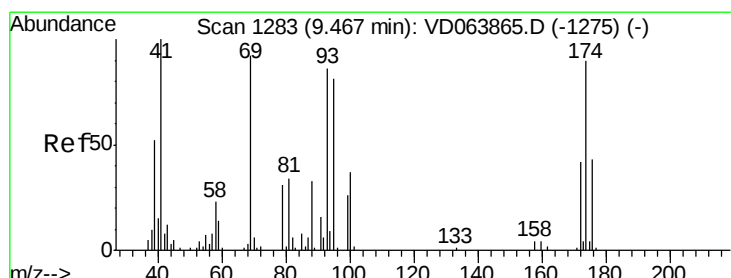
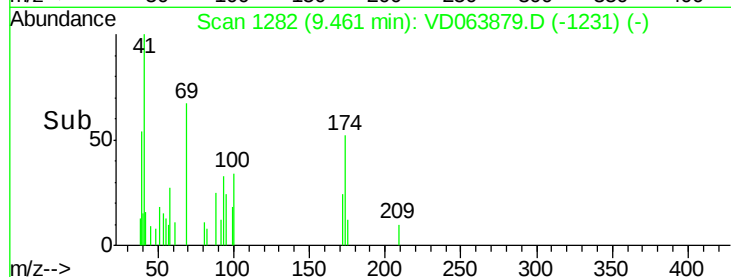
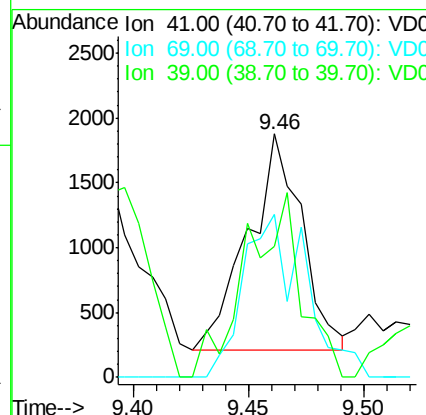
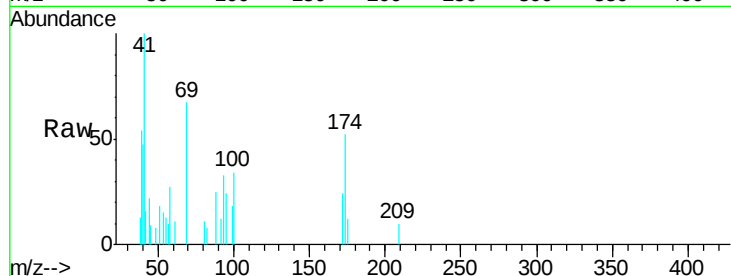




#48
Methyl methacrylate
Concen: 2.577 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

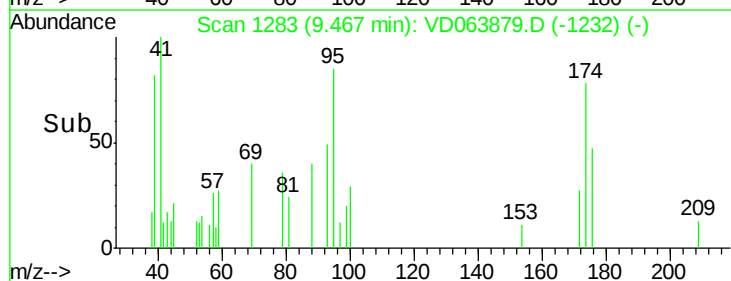
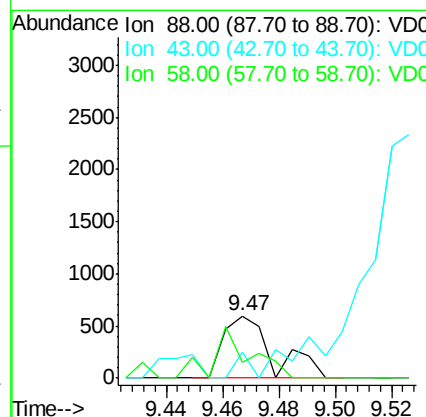
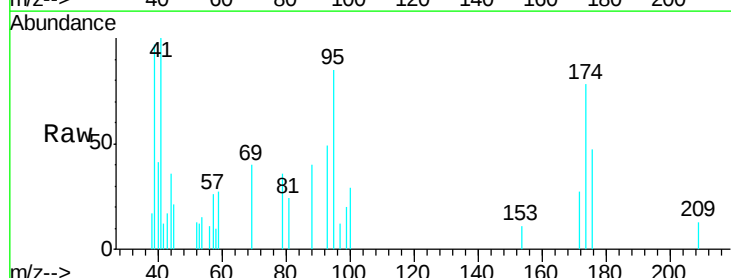
Instrument :
MSVOA_D
ClientSampleId :
MDL05

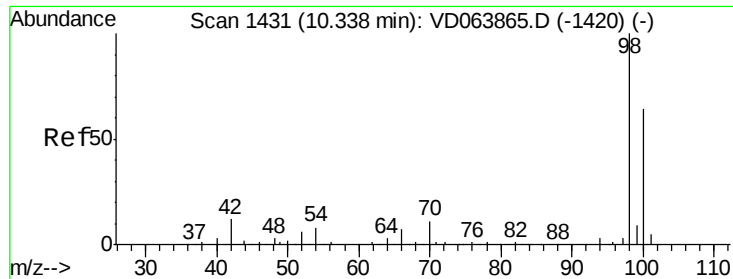
Tgt Ion: 41 Resp: 2683
Ion Ratio Lower Upper
41 100
69 87.9 75.1 112.7
39 89.4 50.2 75.2#



#49
1,4-Dioxane
Concen: 51.112 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 88 Resp: 722
Ion Ratio Lower Upper
88 100
43 28.9 27.6 41.4
58 61.1 54.1 81.1

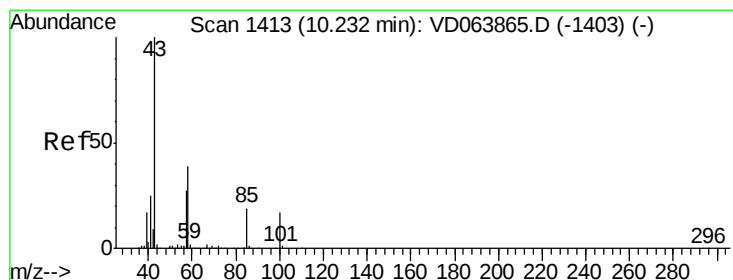
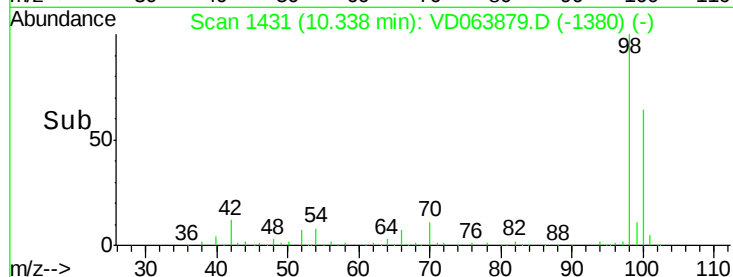
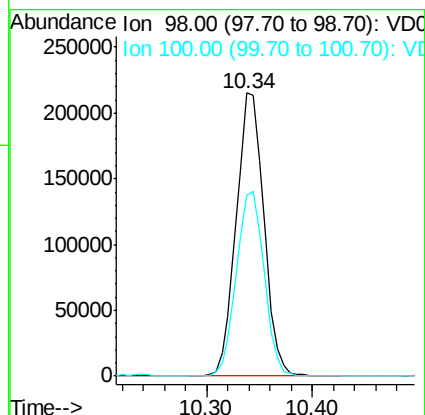
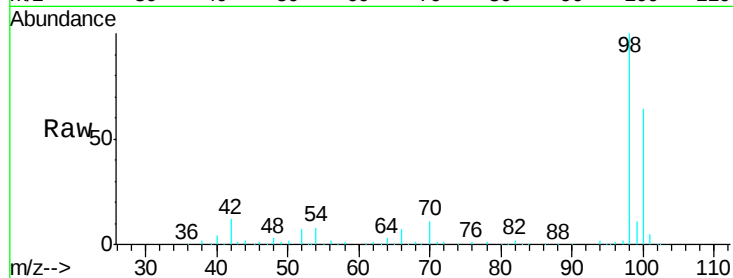




#50
Toluene-d8
Concen: 55.514 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

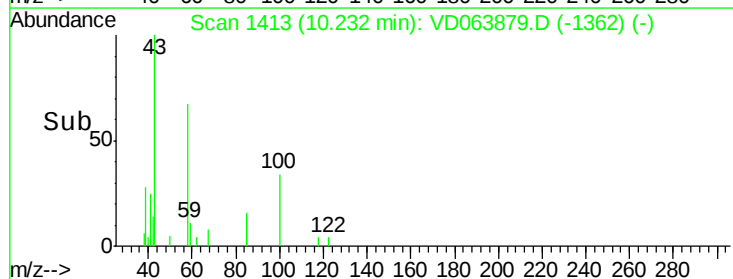
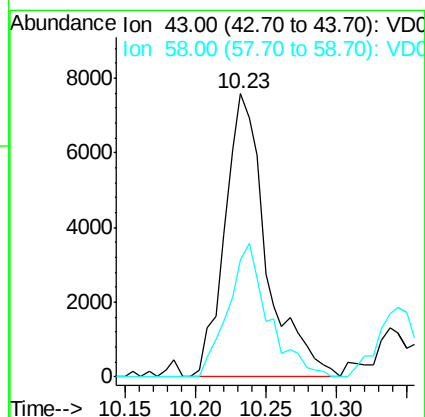
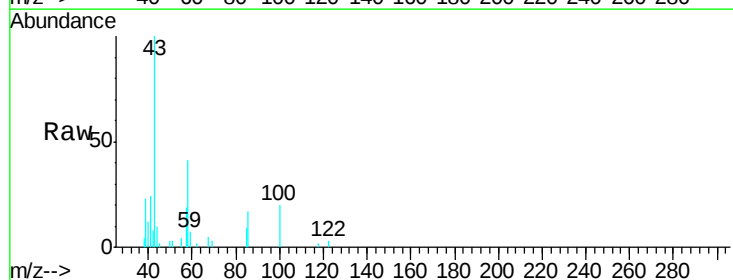
Instrument :
MSVOA_D
ClientSampleId :
MDL05

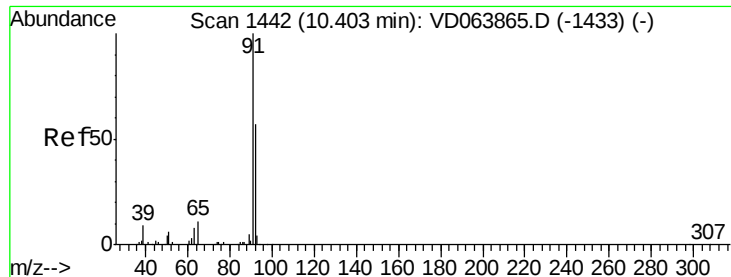
Tgt Ion: 98 Resp: 390154
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 13.822 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 43 Resp: 15574
Ion Ratio Lower Upper
43 100
58 45.7 33.0 49.4





#52

Toluene

Concen: 2.735 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

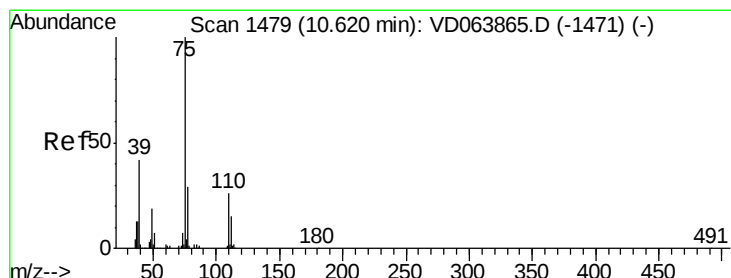
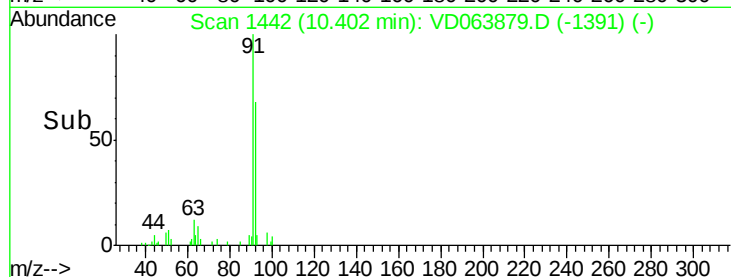
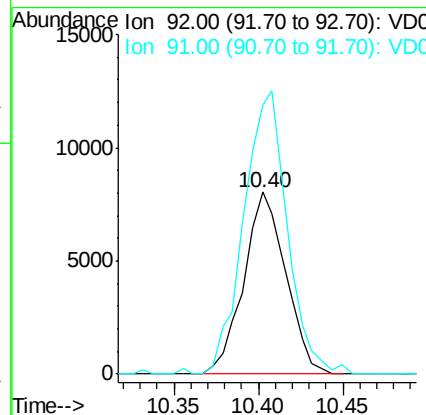
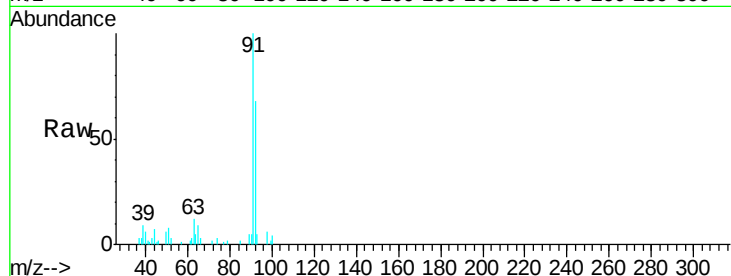
MDL05

Tgt Ion: 92 Resp: 13937

Ion Ratio Lower Upper

92 100

91 161.5 139.5 209.3



#53

t-1,3-Dichloropropene

Concen: 2.402 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063879.D

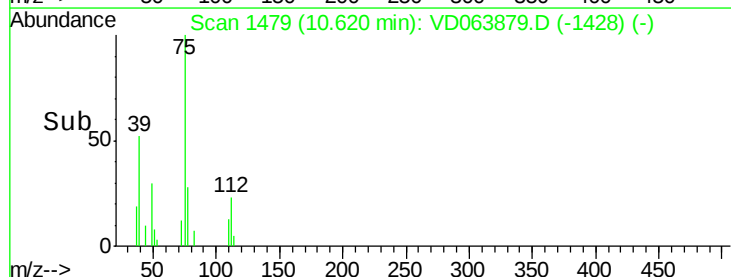
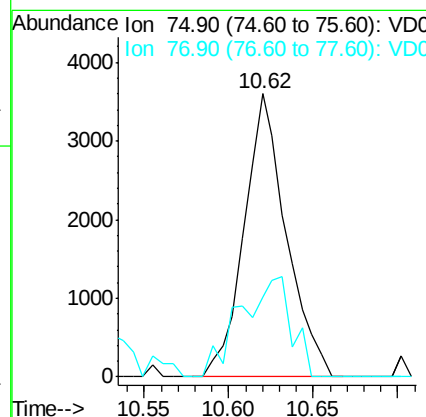
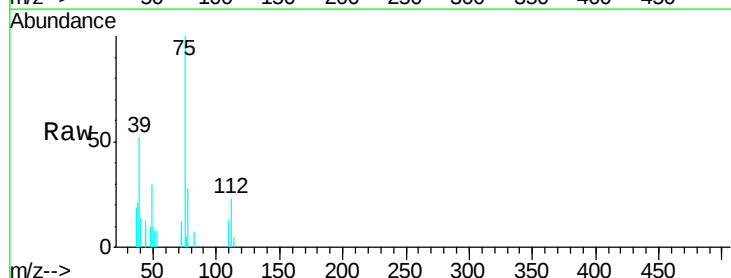
Acq: 03 Oct 2019 16:54

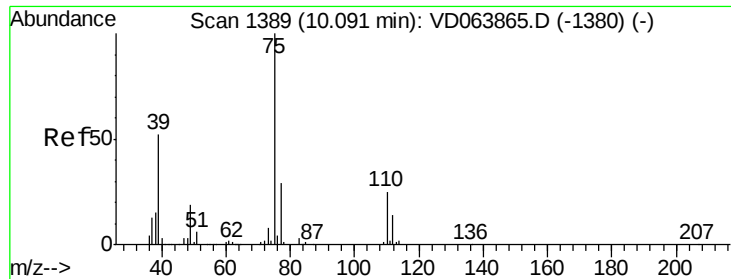
Tgt Ion: 75 Resp: 6246

Ion Ratio Lower Upper

75 100

77 28.3 22.8 34.2





#54

cis-1,3-Dichloropropene

Concen: 2.716 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

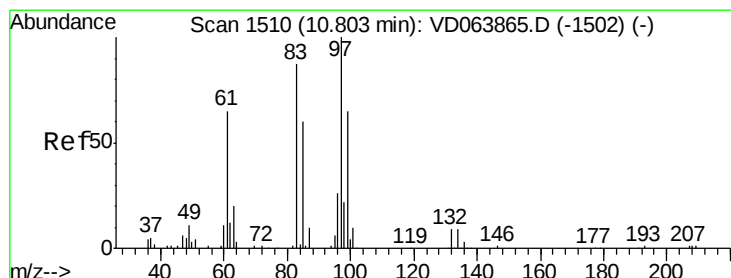
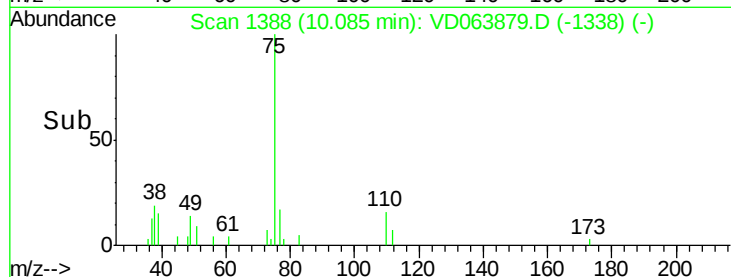
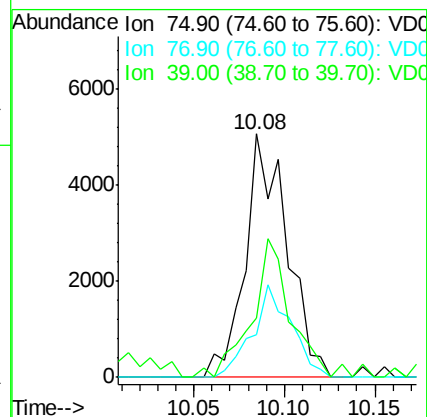
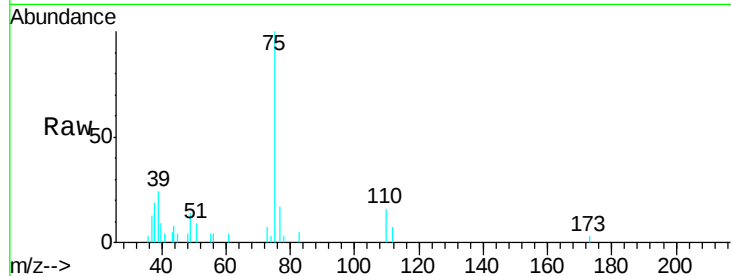
Tgt Ion: 75 Resp: 8128

Ion Ratio Lower Upper

75 100

77 17.5 23.2 34.8#

39 24.2 41.5 62.3#



#55

1,1,2-Trichloroethane

Concen: 3.217 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion: 97 Resp: 4701

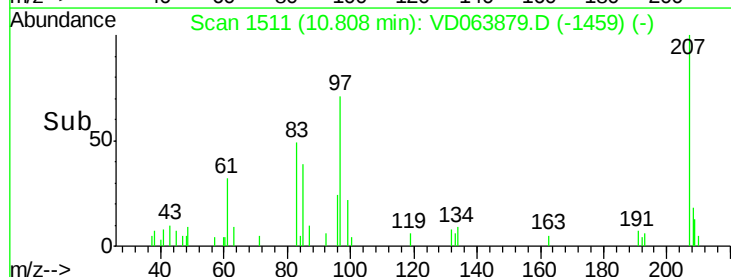
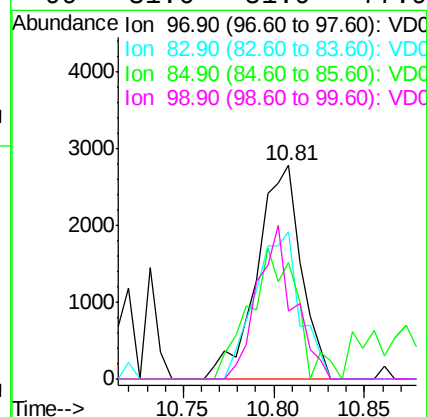
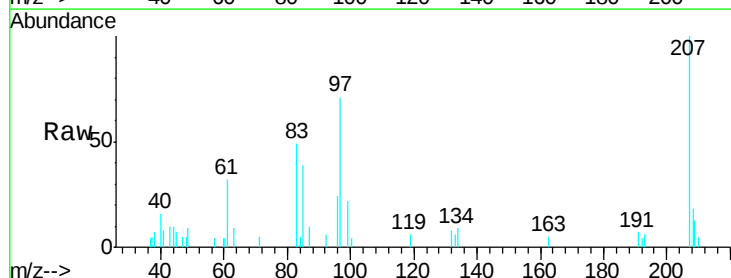
Ion Ratio Lower Upper

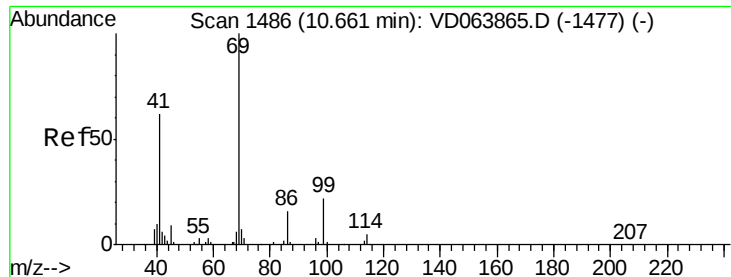
97 100

83 69.2 69.7 104.5#

85 54.8 48.1 72.1

99 31.6 51.9 77.9#





#56

Ethyl methacrylate

Concen: 2.602 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

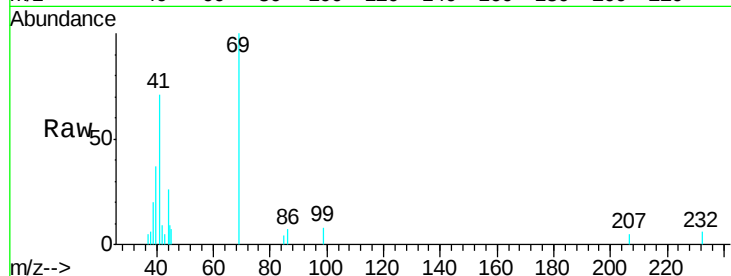
Tgt Ion: 69 Resp: 4815

Ion Ratio Lower Upper

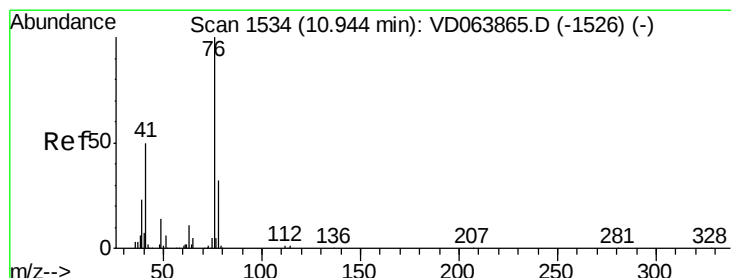
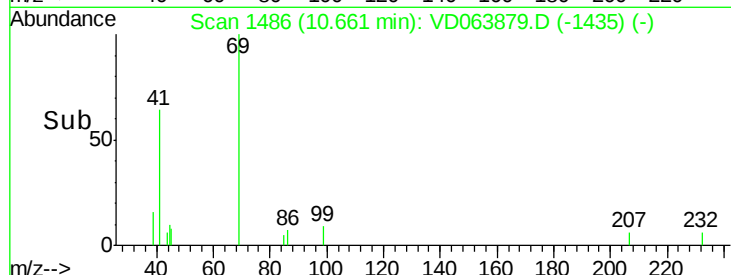
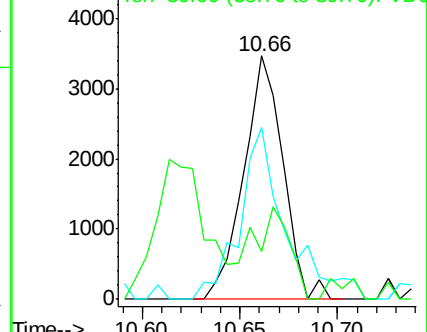
69 100

41 83.7 51.3 76.9#

39 37.7 28.0 42.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC



#57

1,3-Dichloropropane

Concen: 2.643 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063879.D

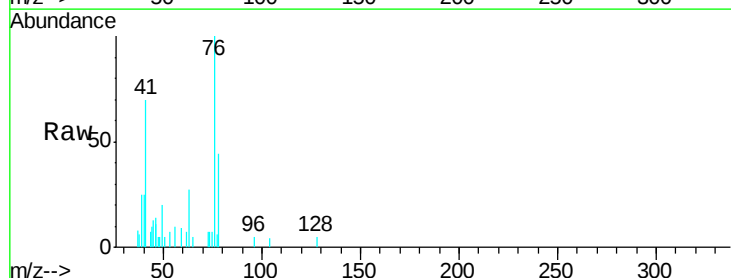
Acq: 03 Oct 2019 16:54

Tgt Ion: 76 Resp: 6608

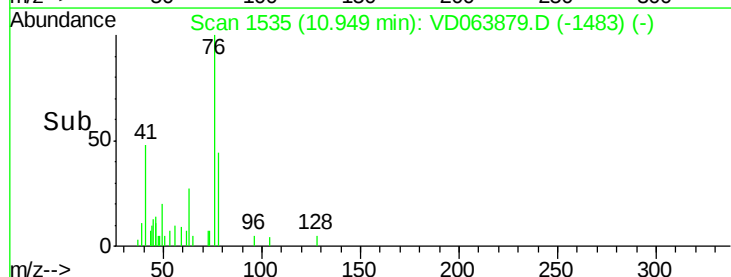
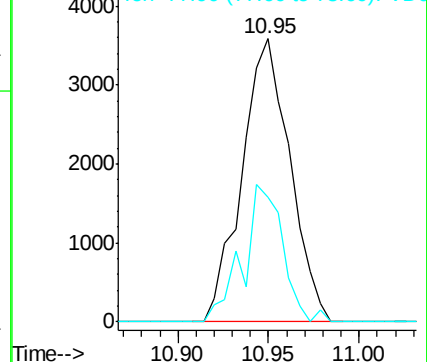
Ion Ratio Lower Upper

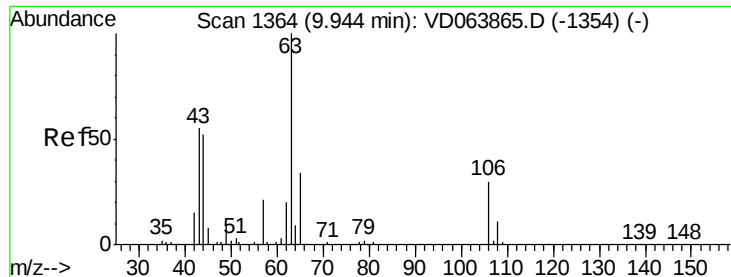
76 100

78 39.7 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

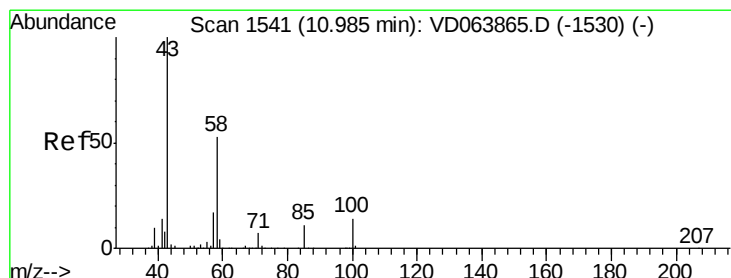
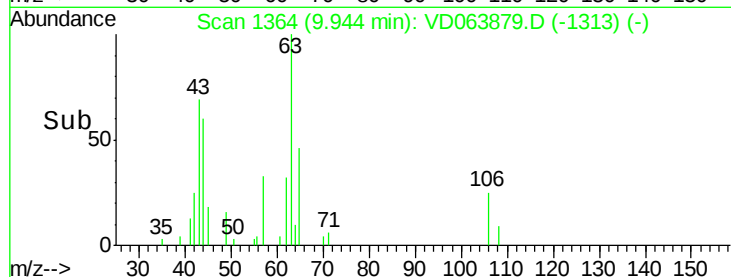
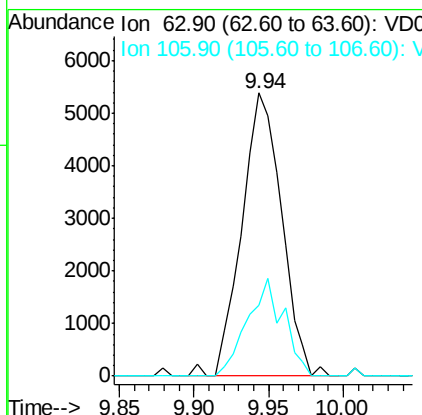
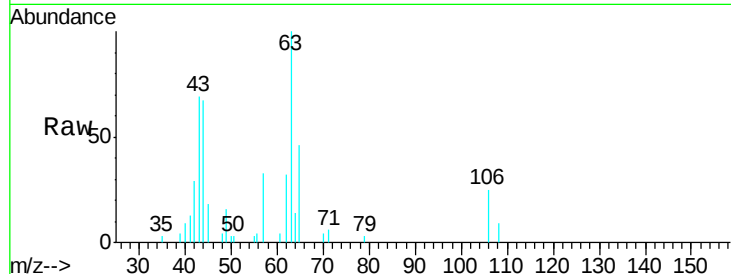




#58
2-Chloroethyl Vinyl ether
Concen: 12.529 ug/l
RT: 9.94 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

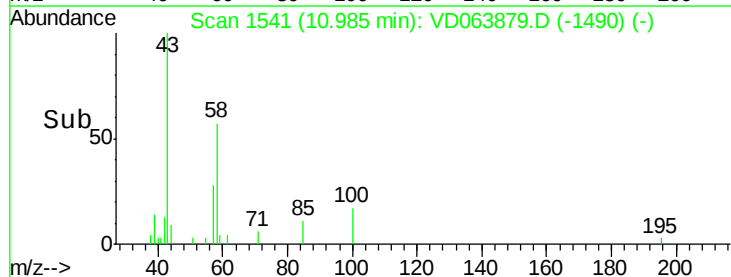
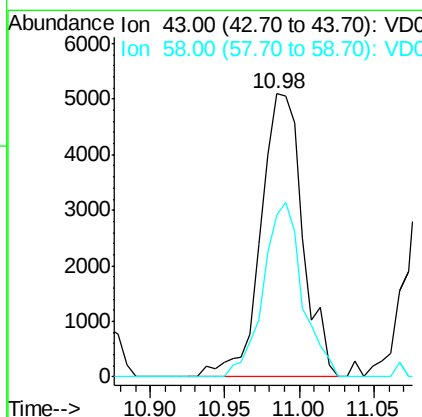
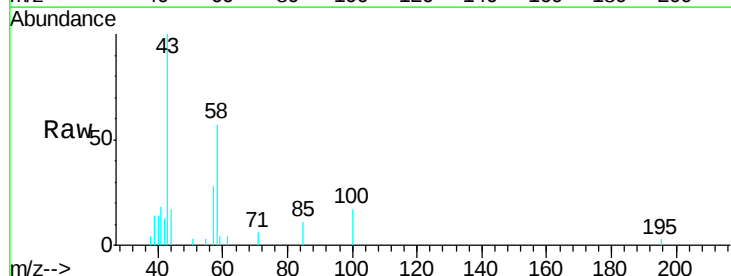
Instrument :
MSVOA_D
ClientSampleId :
MDL05

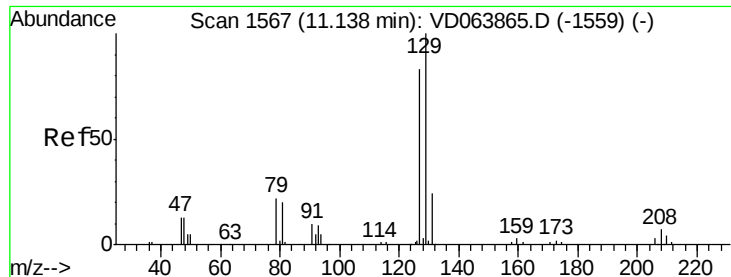
Tgt Ion: 63 Resp: 9965
Ion Ratio Lower Upper
63 100
106 31.5 24.3 36.5



#59
2-Hexanone
Concen: 12.219 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion: 43 Resp: 9959
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.0

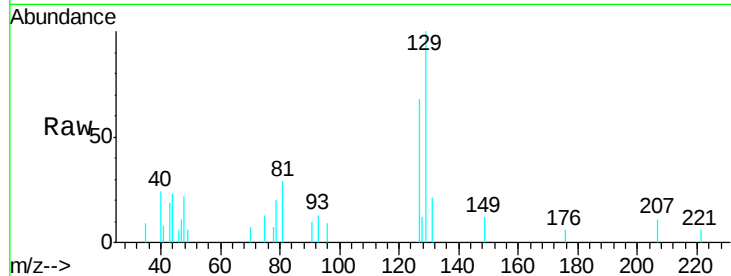




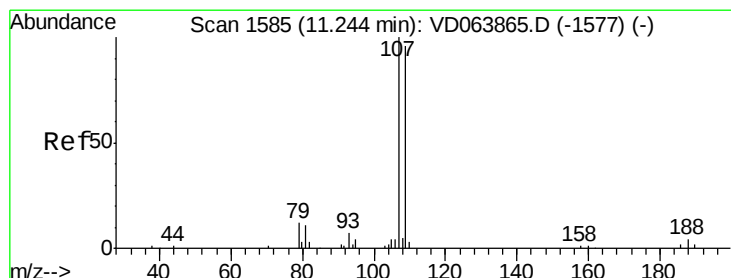
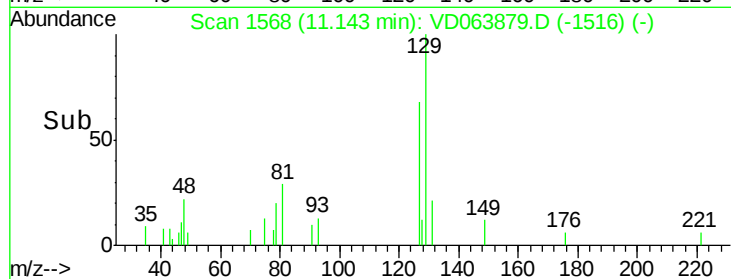
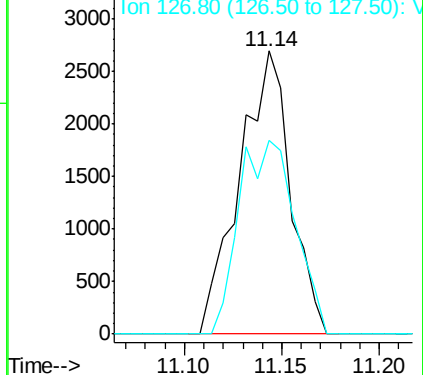
#60
 Dibromochloromethane
 Concen: 2.563 ug/l
 RT: 11.14 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

Tgt Ion:129 Resp: 4875
 Ion Ratio Lower Upper
 129 100
 127 75.3 39.9 119.6

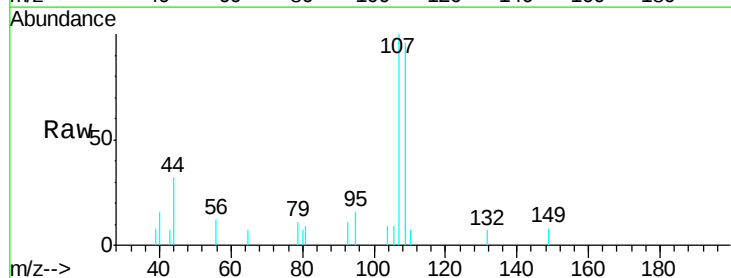


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

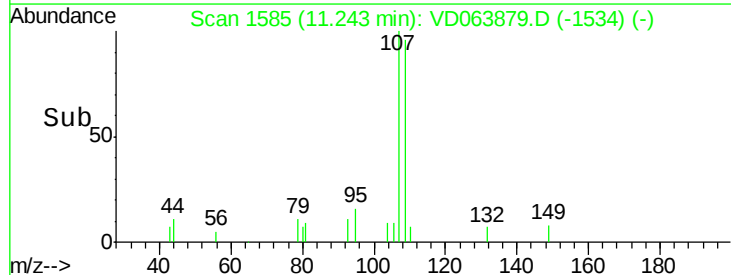
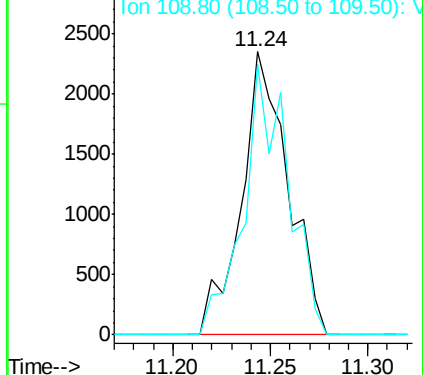


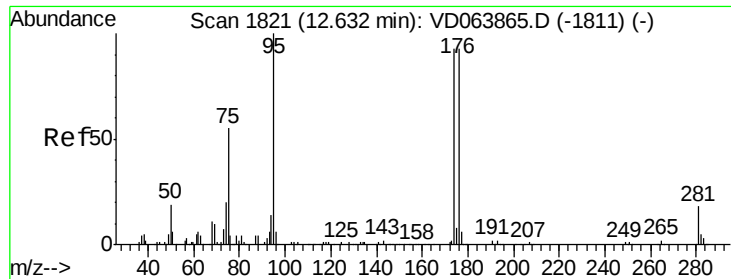
#61
 1,2-Dibromoethane
 Concen: 2.758 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion:107 Resp: 3907
 Ion Ratio Lower Upper
 107 100
 109 91.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 47.942 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

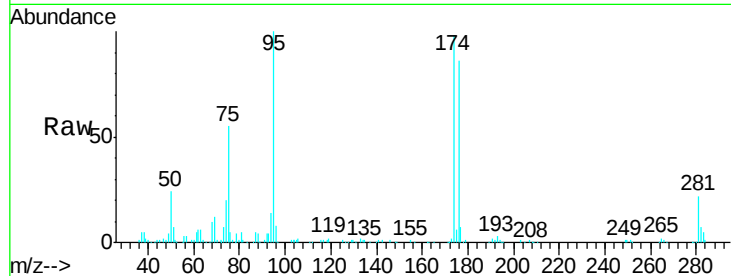
Tgt Ion: 95 Resp: 117085

Ion Ratio Lower Upper

95 100

174 98.2 0.0 186.4

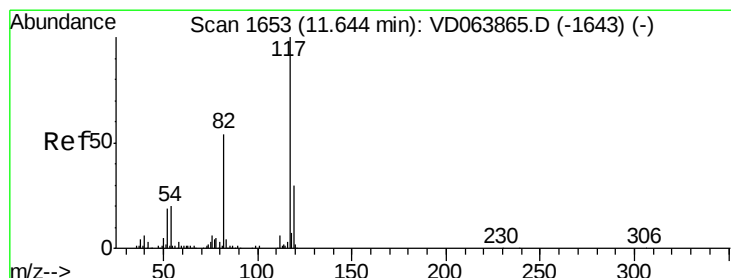
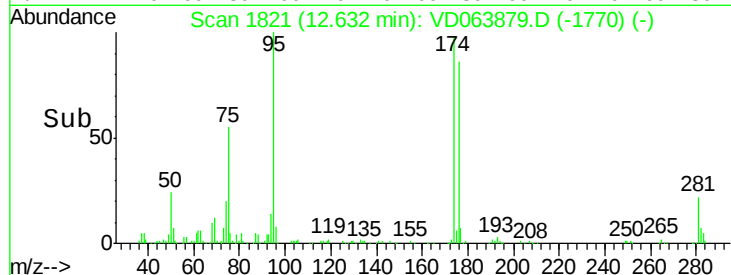
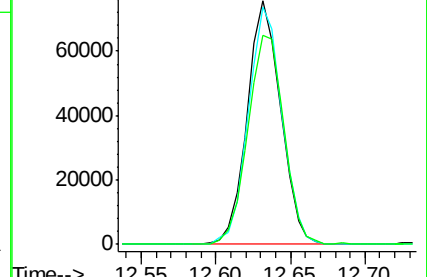
176 92.1 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

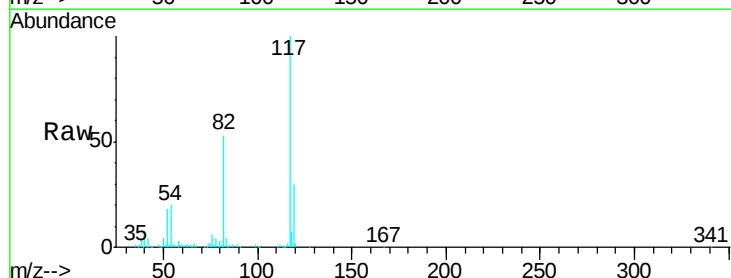
Tgt Ion: 117 Resp: 266722

Ion Ratio Lower Upper

117 100

82 52.9 42.8 64.2

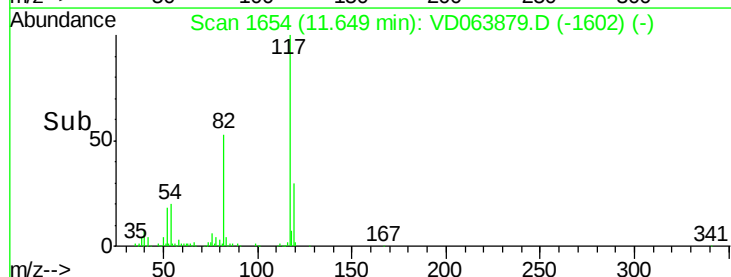
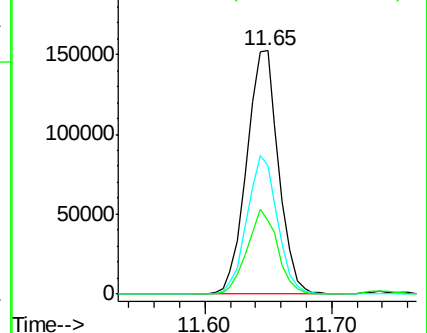
119 30.3 24.4 36.6

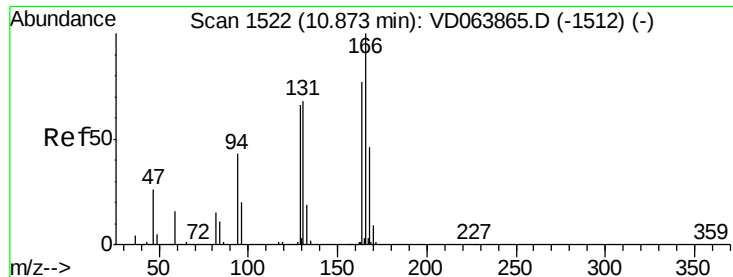


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 2.701 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

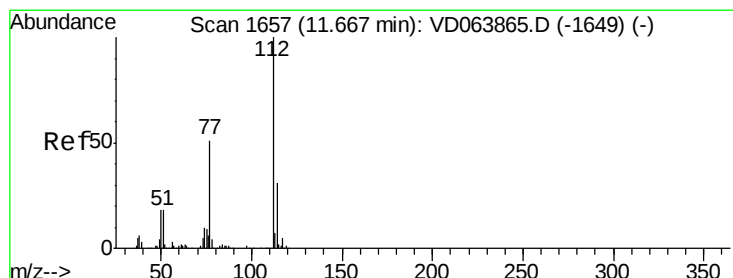
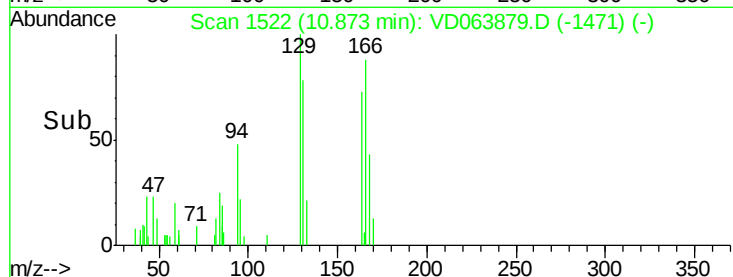
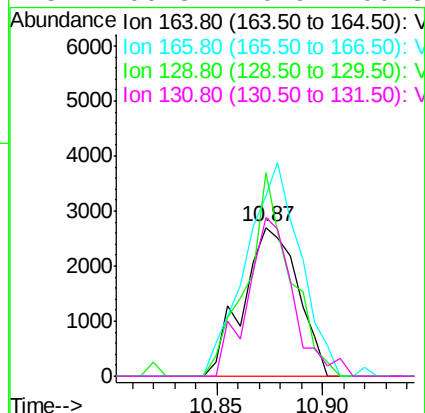
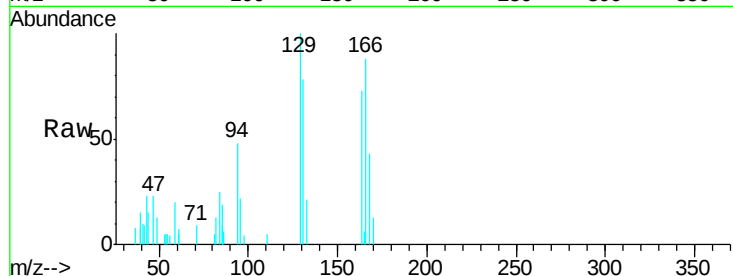
Instrument :

MSVOA_D

ClientSampleId :

MDL05

Tgt Ion:	164	Resp:	4919
Ion	Ratio	Lower	Upper
164	100		
166	120.9	103.8	155.6
129	136.7	68.9	103.3#
131	106.3	70.9	106.3



#65

Chlorobenzene

Concen: 2.691 ug/l

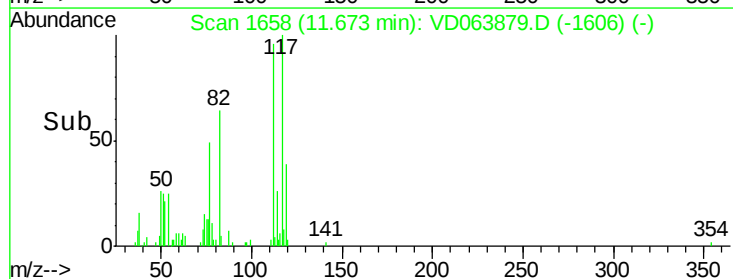
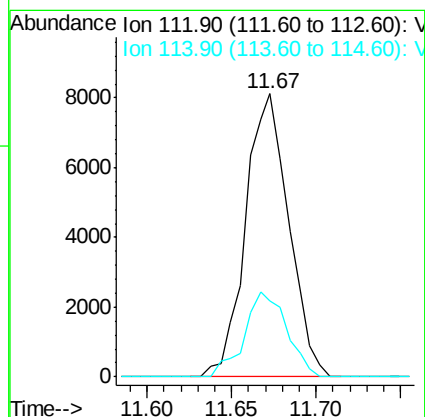
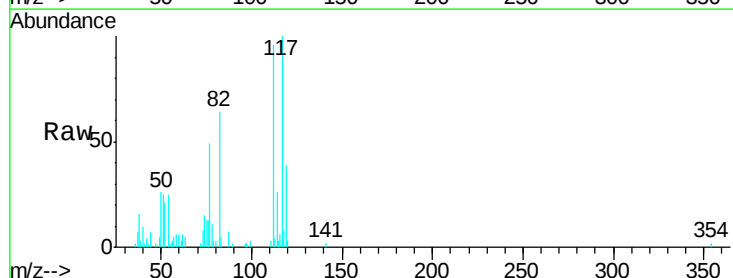
RT: 11.67 min Scan# 1658

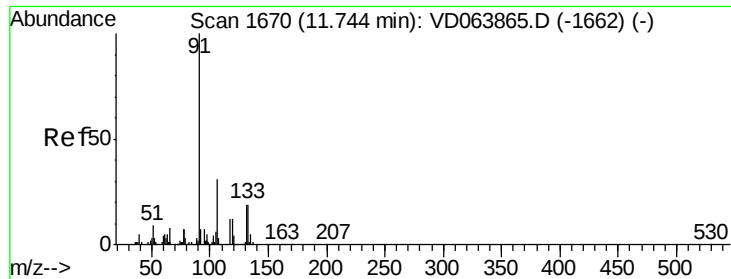
Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion:	112	Resp:	14413
Ion	Ratio	Lower	Upper
112	100		
114	26.9	25.1	37.7

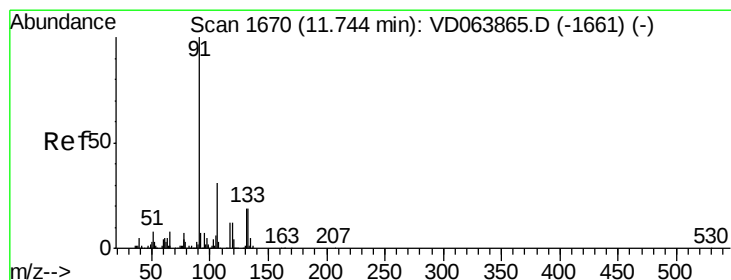
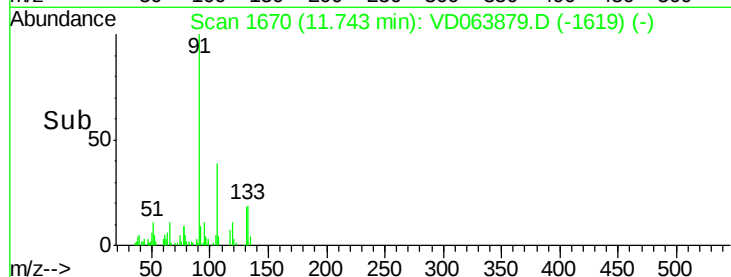
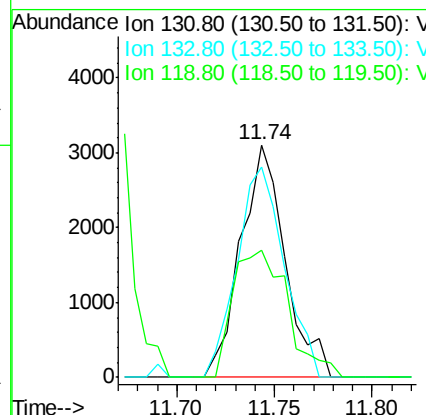
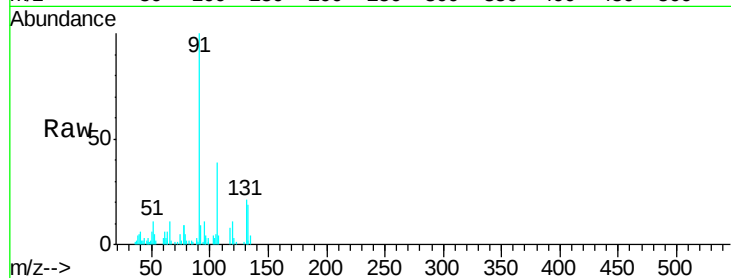




#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.488 ug/l
 RT: 11.74 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

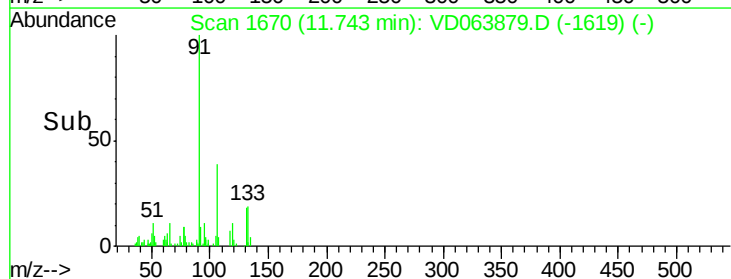
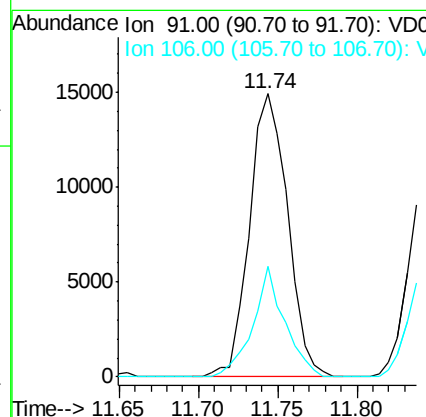
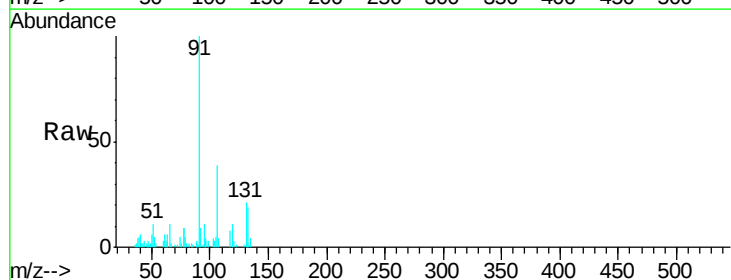
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

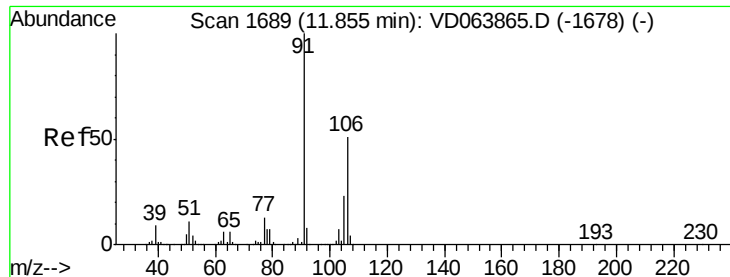
Tgt Ion:131 Resp: 4910
 Ion Ratio Lower Upper
 131 100
 133 96.2 48.9 146.7
 119 67.5 32.6 97.8



#67
 Ethyl Benzene
 Concen: 2.580 ug/l
 RT: 11.74 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion: 91 Resp: 24917
 Ion Ratio Lower Upper
 91 100
 106 38.9 24.6 37.0#

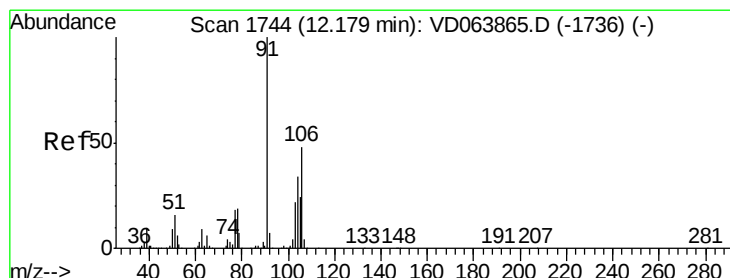
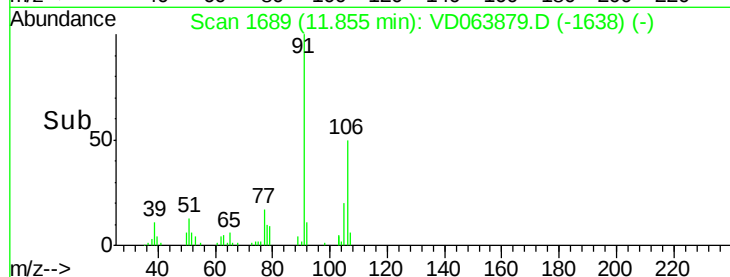
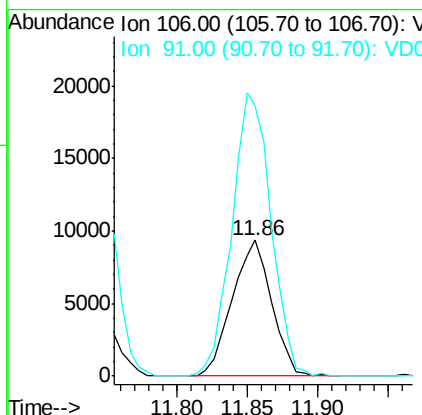
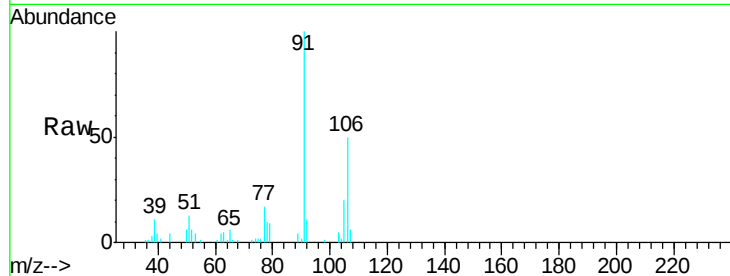




#68
m/p-Xylenes
Concen: 4.895 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

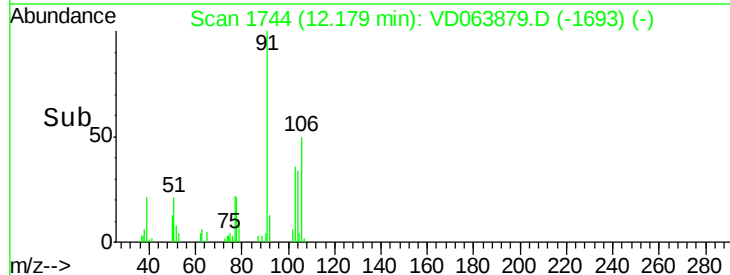
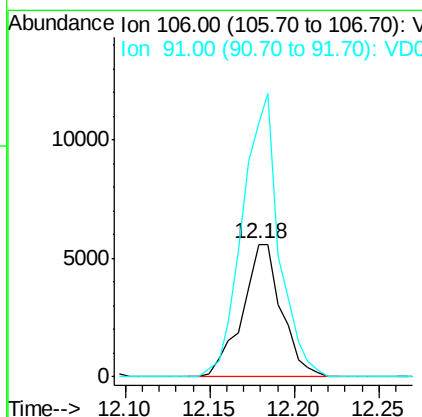
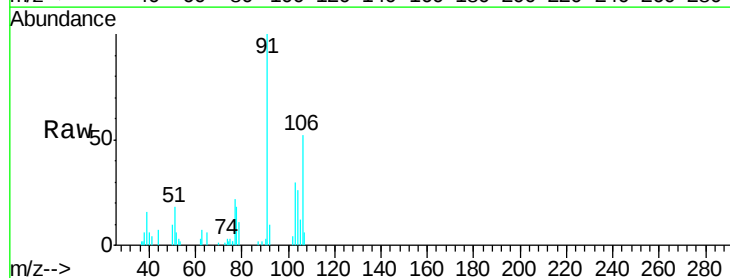
Instrument :
MSVOA_D
ClientSampleId :
MDL05

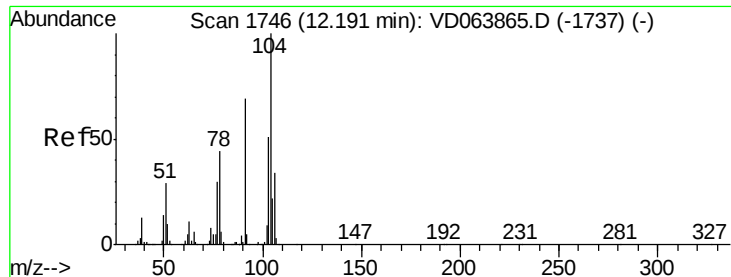
Tgt Ion:106 Resp: 18249
Ion Ratio Lower Upper
106 100
91 206.6 154.8 232.2



#69
o-Xylene
Concen: 2.549 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion:106 Resp: 9099
Ion Ratio Lower Upper
106 100
91 198.8 103.9 311.7

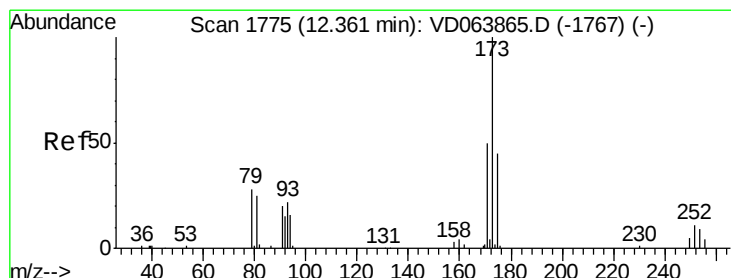
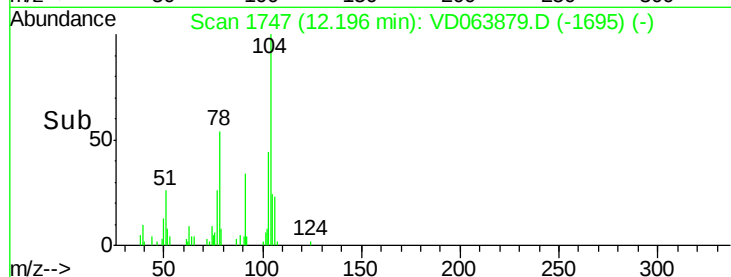
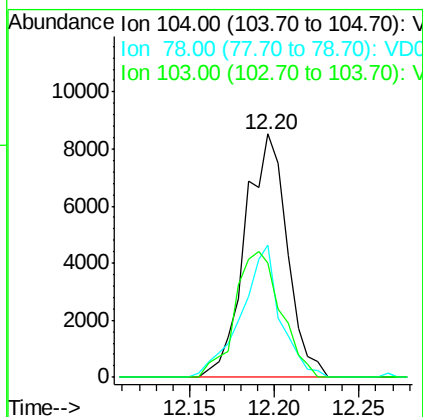
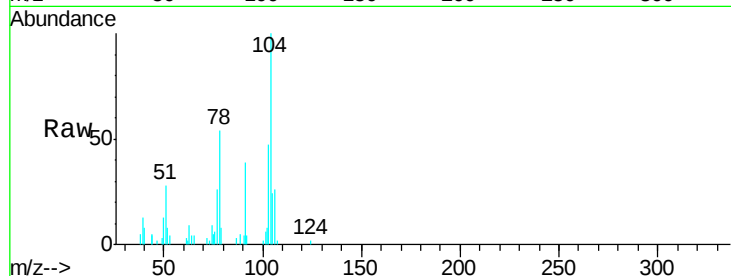




#70
Styrene
Concen: 2.442 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

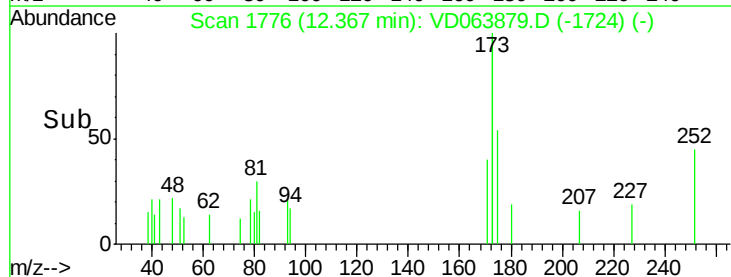
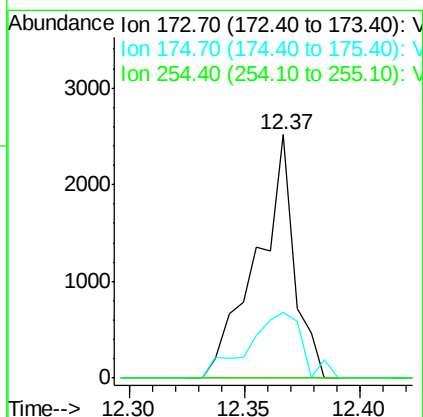
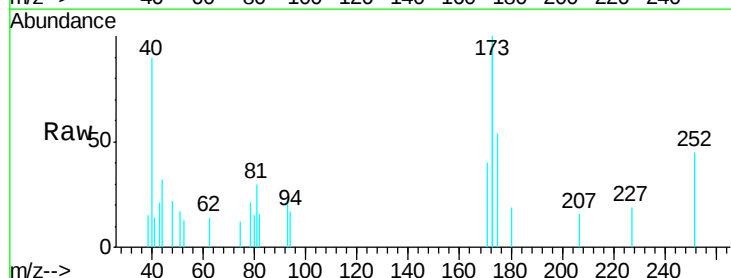
Instrument :
MSVOA_D
ClientSampleId :
MDL05

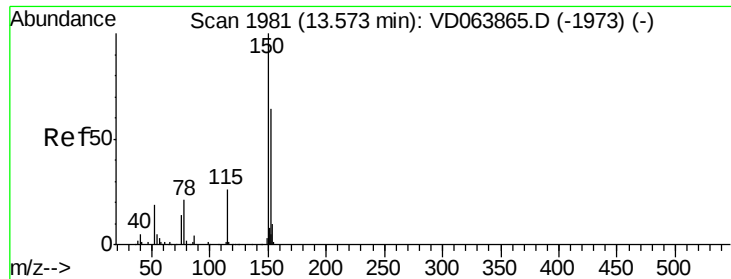
Tgt Ion:104 Resp: 14760
Ion Ratio Lower Upper
104 100
78 50.6 37.0 55.4
103 55.9 44.2 66.4



#71
Bromoform
Concen: 2.676 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion:173 Resp: 2835
Ion Ratio Lower Upper
173 100
175 38.7 24.6 74.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

MDL05

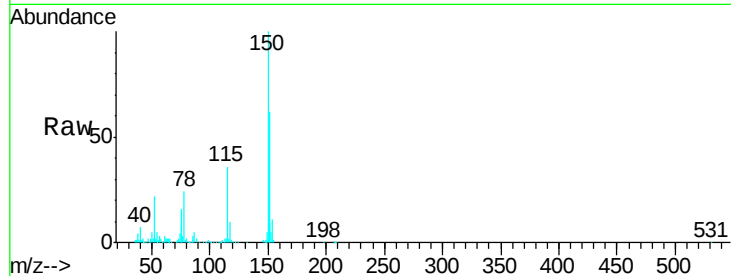
Tgt Ion:152 Resp: 130143

Ion Ratio Lower Upper

152 100

115 55.3 25.9 77.7

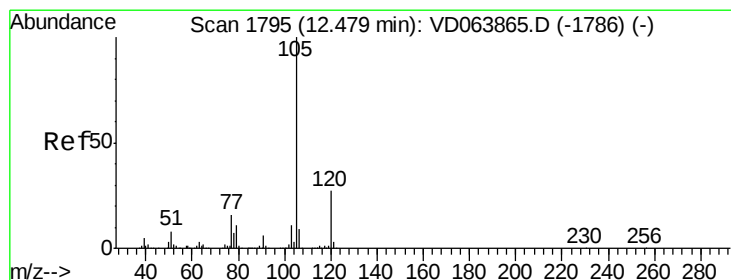
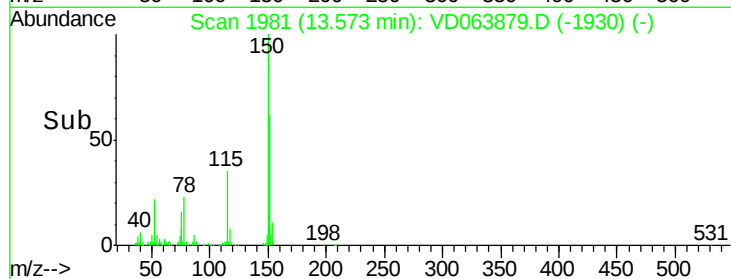
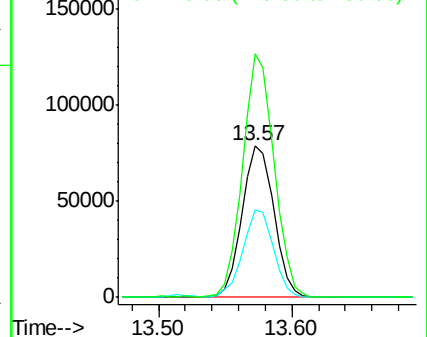
150 158.1 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.601 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063879.D

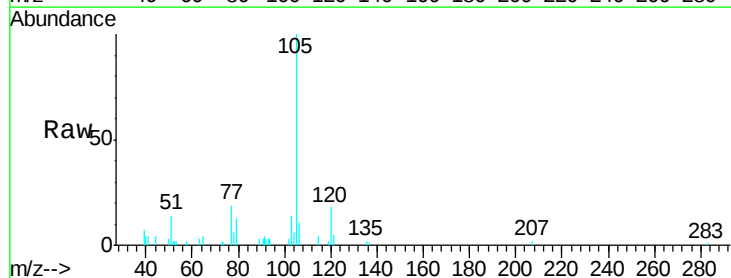
Acq: 03 Oct 2019 16:54

Tgt Ion:105 Resp: 22756

Ion Ratio Lower Upper

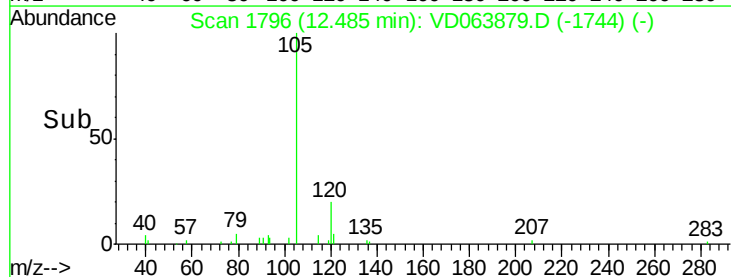
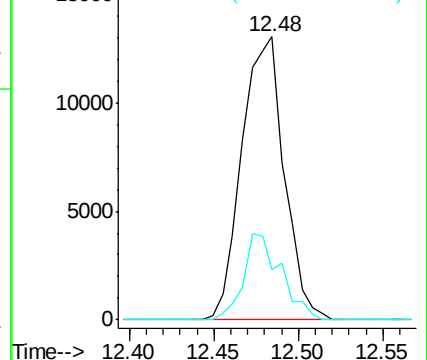
105 100

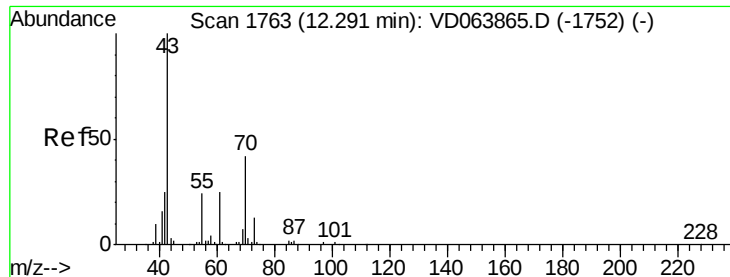
120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 2.942 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 5542

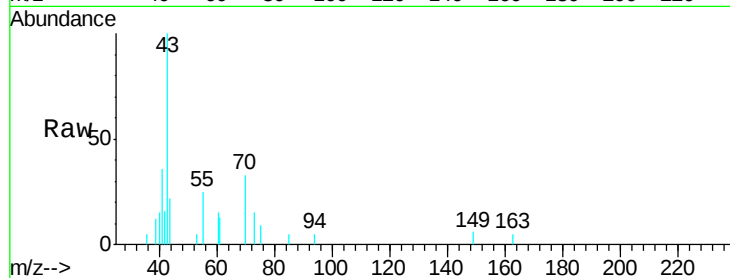
Ion Ratio Lower Upper

43 100

70 47.5 35.8 53.6

55 27.9 19.4 29.0

61 30.4 20.4 30.6

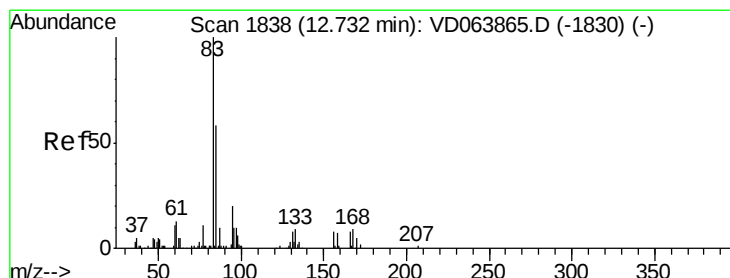
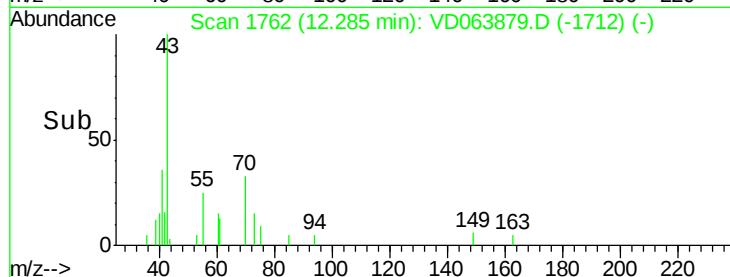
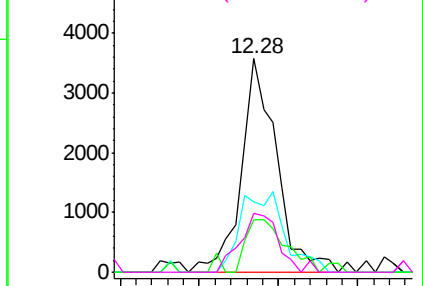


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 3.270 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

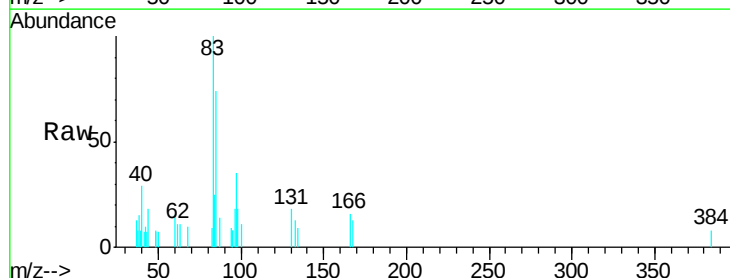
Tgt Ion: 83 Resp: 4978

Ion Ratio Lower Upper

83 100

131 9.7 5.6 16.8

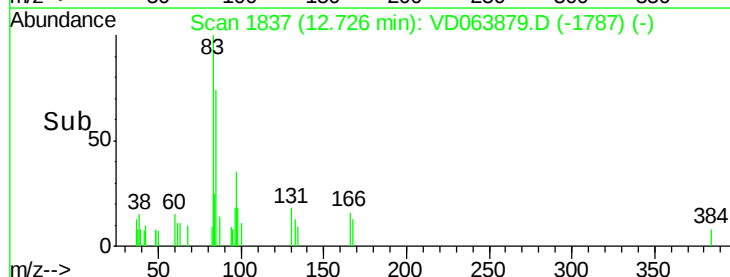
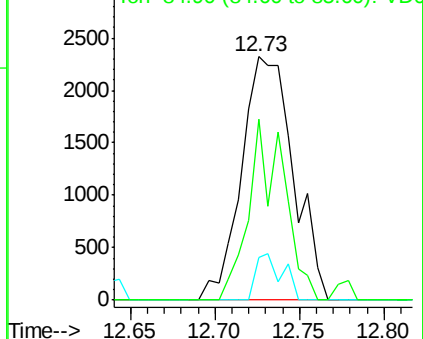
85 50.2 32.3 96.8

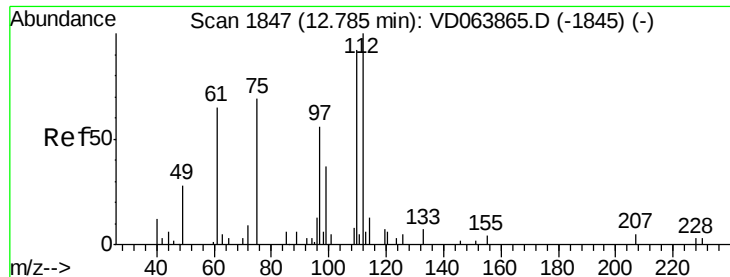


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC





#76

1,2,3-Trichloropropane

Concen: 6.983 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

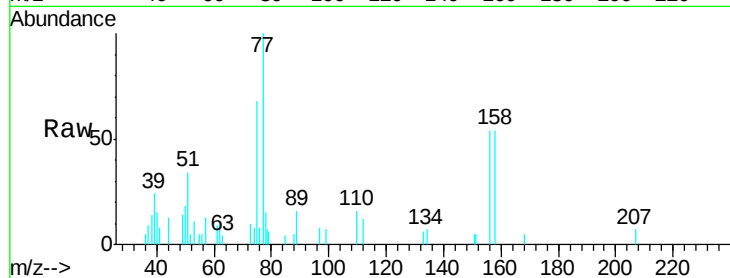
MDL05

Tgt Ion: 75 Resp: 6087

Ion Ratio Lower Upper

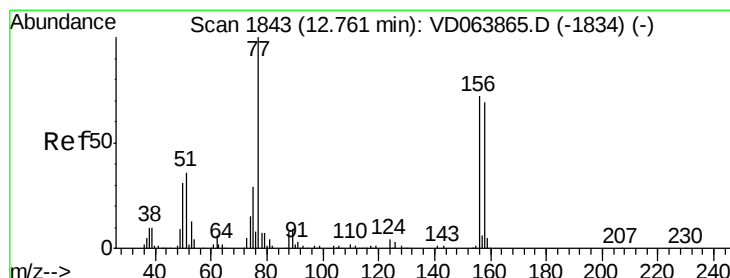
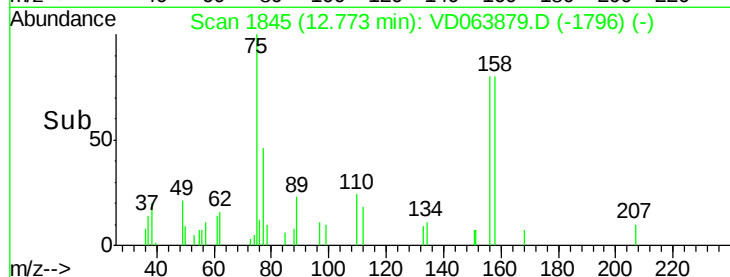
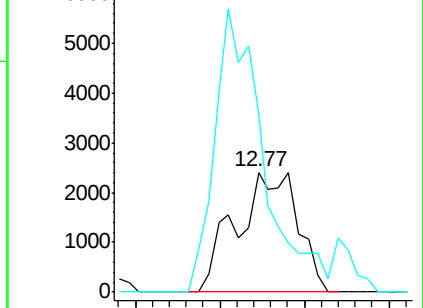
75 100

77 186.9 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: 2.655 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

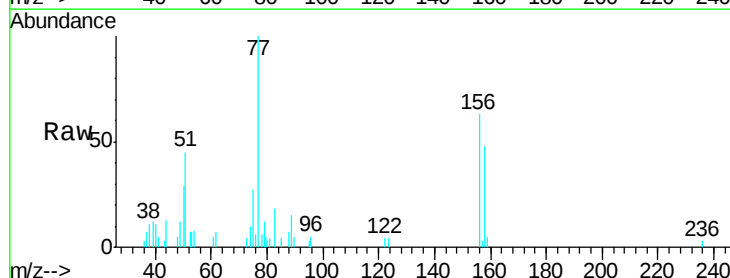
Tgt Ion: 156 Resp: 5787

Ion Ratio Lower Upper

156 100

77 196.6 80.3 241.0

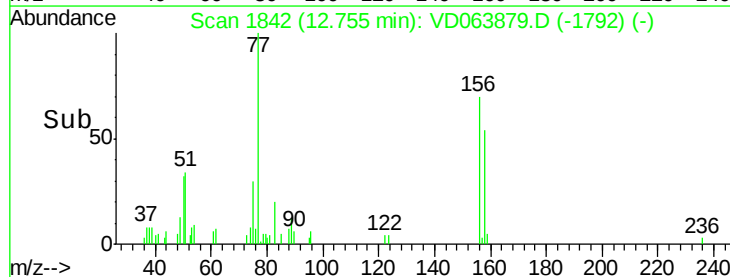
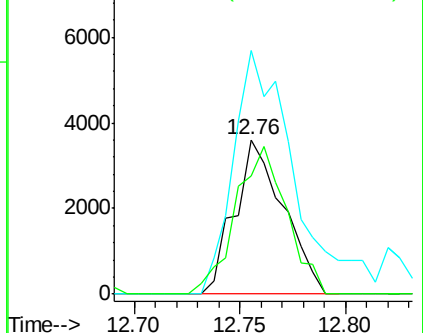
158 100.2 47.4 142.2

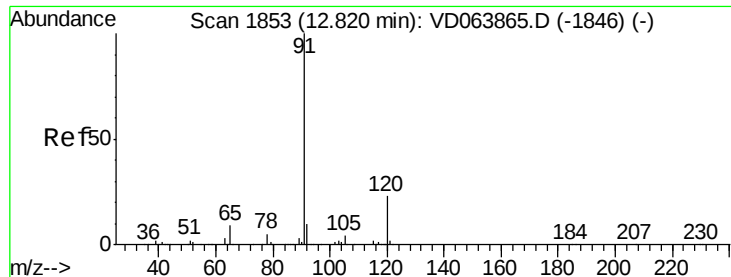


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 2.767 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

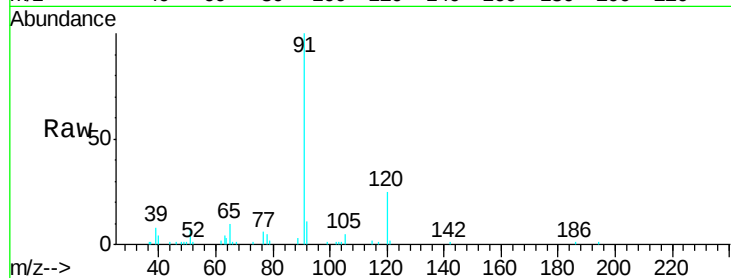
MDL05

Tgt Ion: 91 Resp: 28415

Ion Ratio Lower Upper

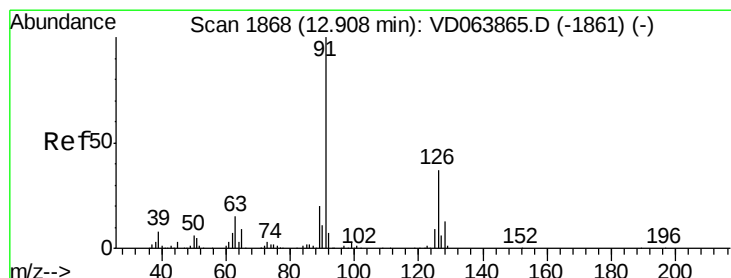
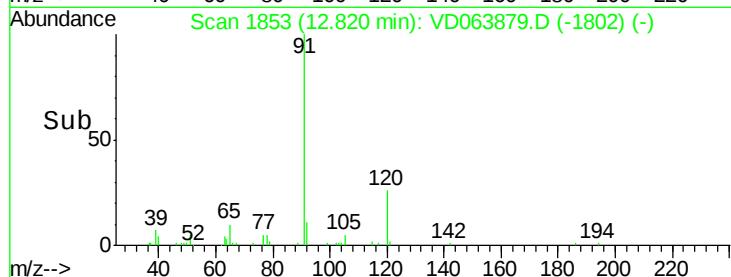
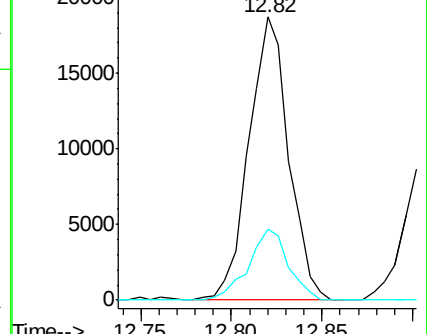
91 100

120 25.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 2.744 ug/l

RT: 12.90 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VD063879.D

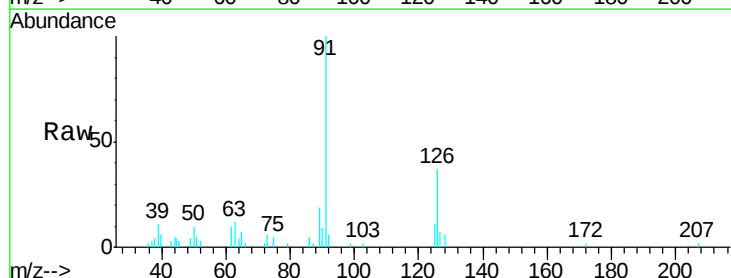
Acq: 03 Oct 2019 16:54

Tgt Ion: 91 Resp: 15540

Ion Ratio Lower Upper

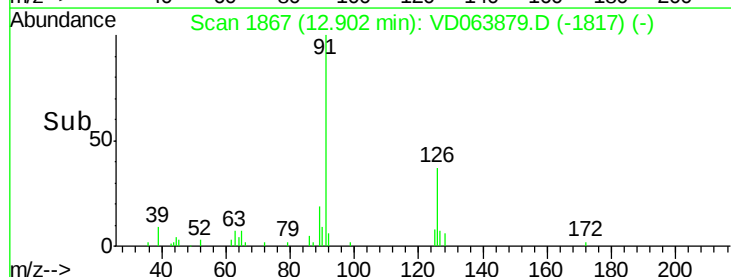
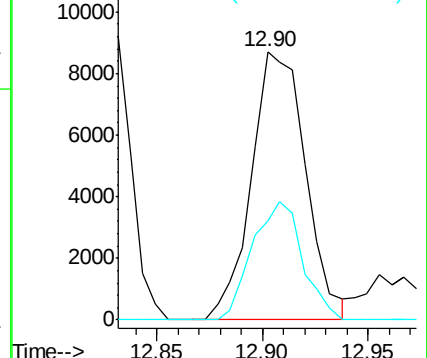
91 100

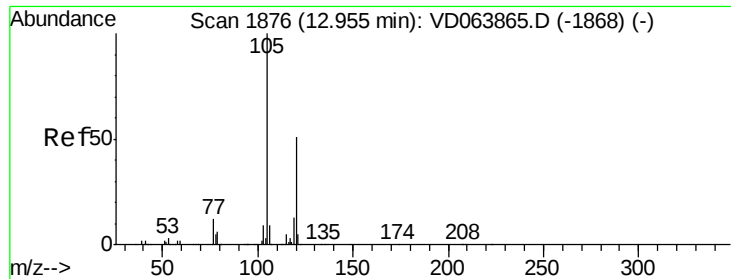
126 40.6 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

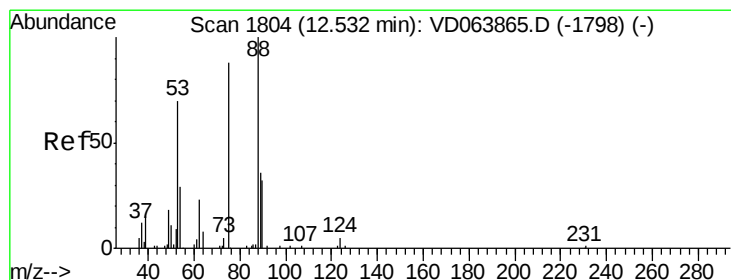
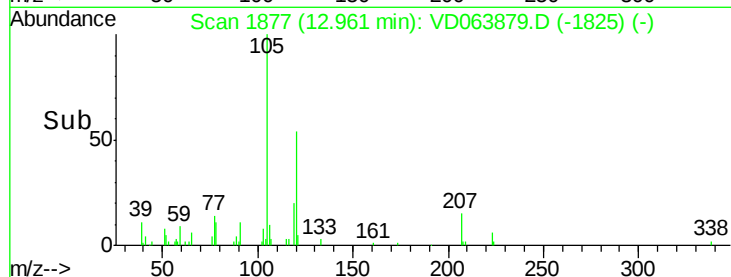
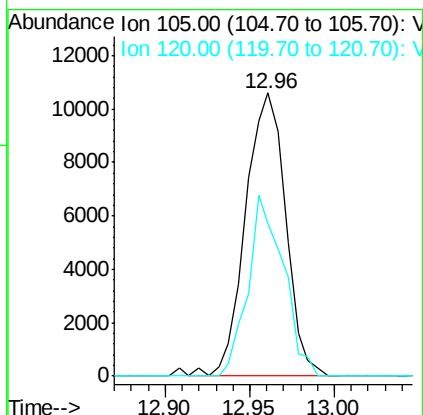
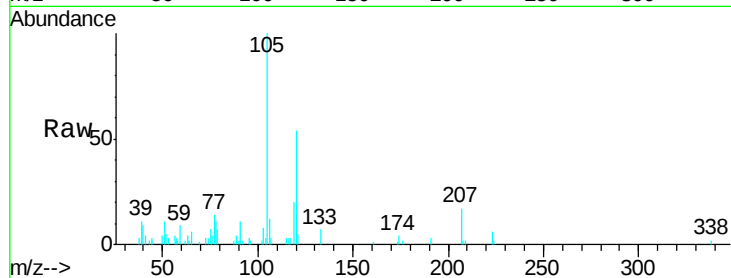




#80
 1,3,5-Trimethylbenzene
 Concen: 2.395 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

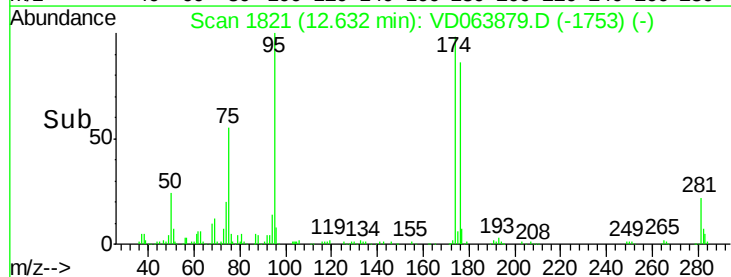
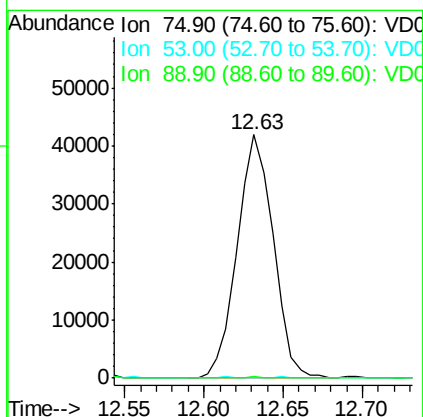
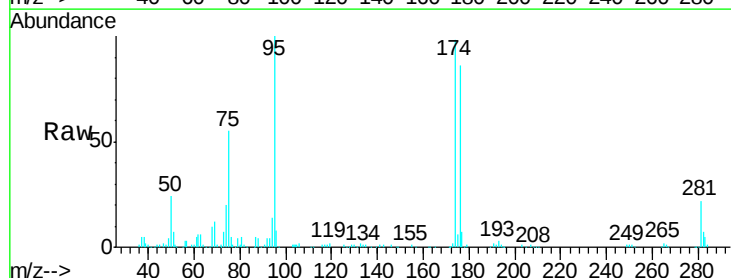
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

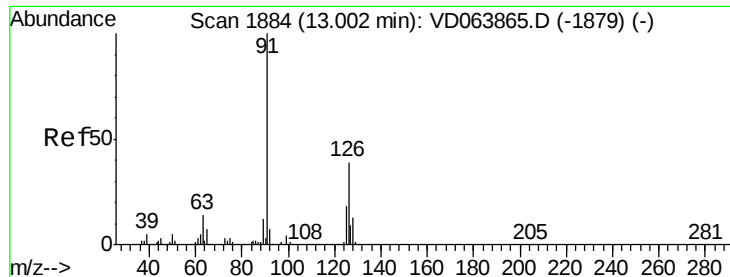
Tgt Ion: 105 Resp: 17484
 Ion Ratio Lower Upper
 105 100
 120 56.5 25.9 77.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.601 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion: 75 Resp: 66301
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.0 112.6#
 89 0.2 38.2 57.4#





#82

4-Chlorotoluene

Concen: 2.666 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

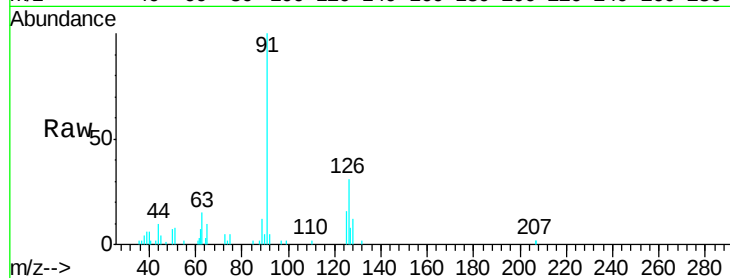
MDL05

Tgt Ion: 91 Resp: 16017

Ion Ratio Lower Upper

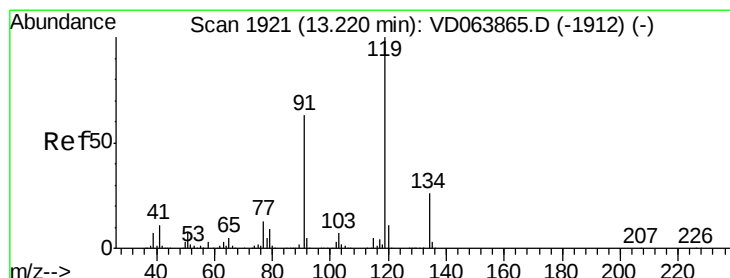
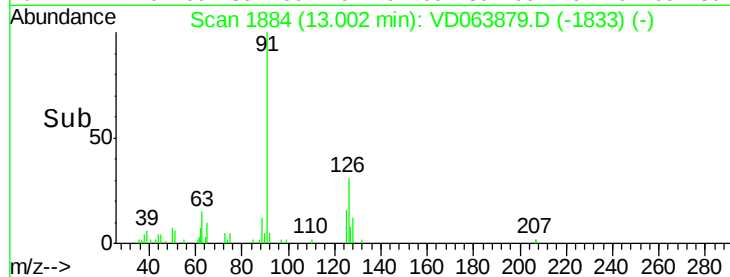
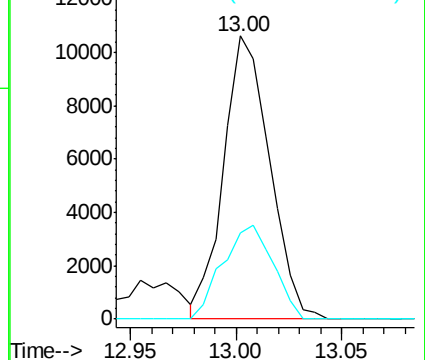
91 100

126 36.5 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1879) (-)

Ion 125.90 (125.60 to 126.60): VD063865.D (-1879) (-)



#83

tert-Butylbenzene

Concen: 2.543 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

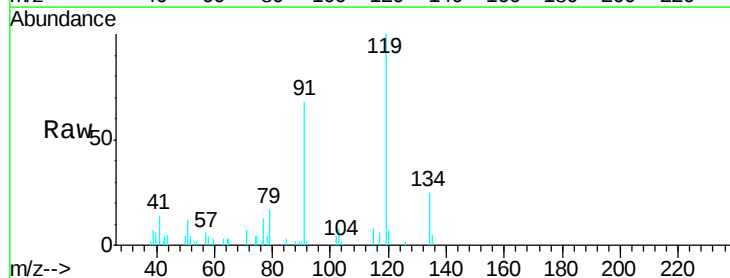
Tgt Ion: 119 Resp: 16516

Ion Ratio Lower Upper

119 100

91 65.3 30.0 90.0

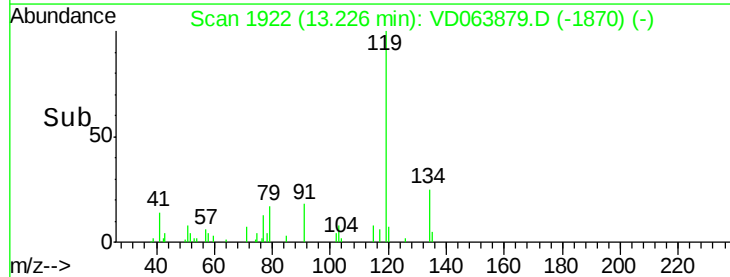
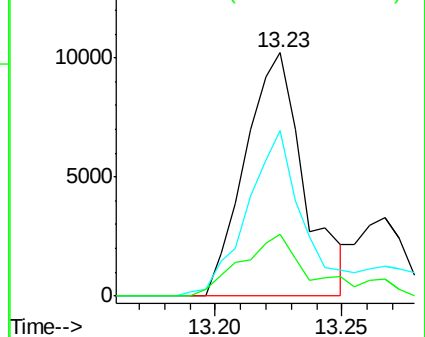
134 31.5 13.0 38.9

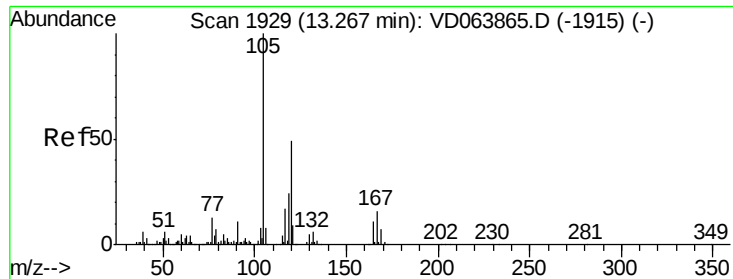


Abundance Ion 119.00 (118.70 to 119.70): VD063865.D (-1912) (-)

Ion 91.00 (90.70 to 91.70): VD063865.D (-1912) (-)

Ion 134.00 (133.70 to 134.70): VD063865.D (-1912) (-)

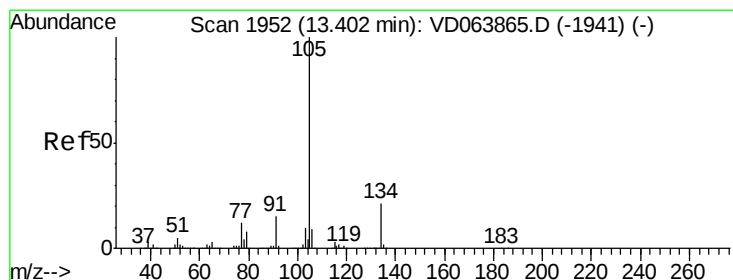
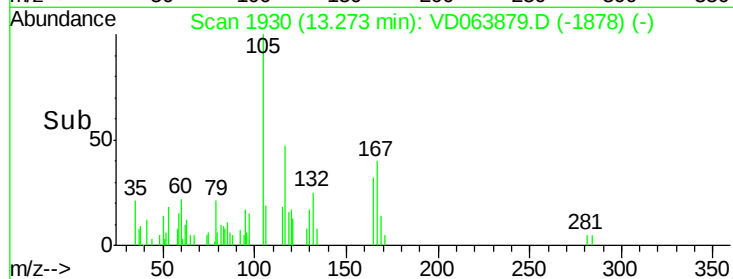
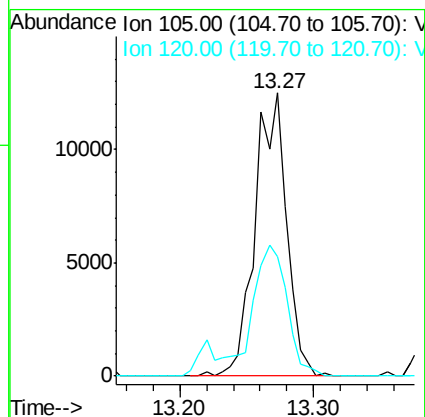
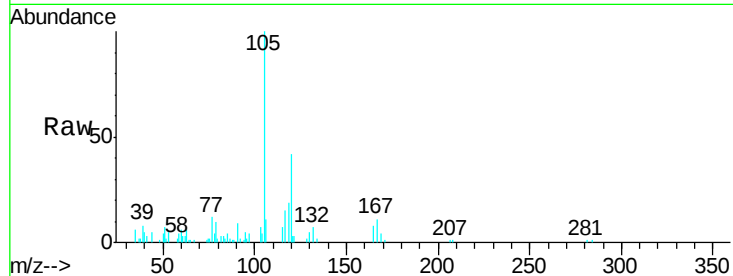




#84
 1,2,4-Trimethylbenzene
 Concen: 2.698 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

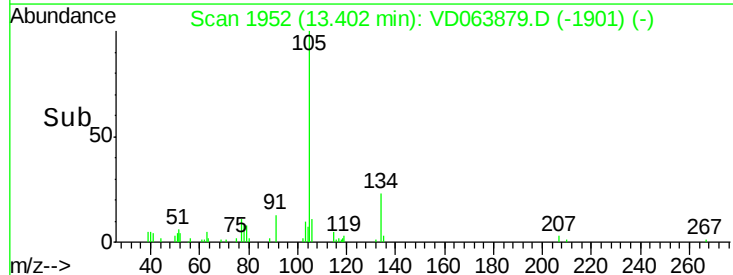
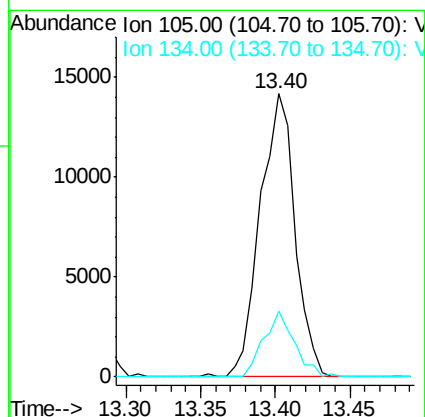
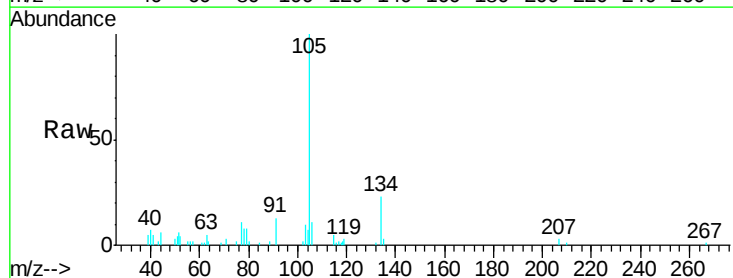
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

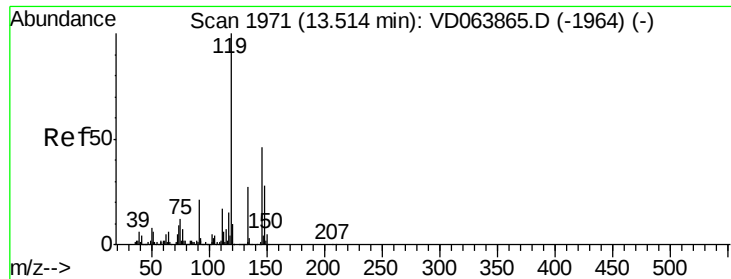
Tgt Ion:105 Resp: 20298
 Ion Ratio Lower Upper
 105 100
 120 50.6 23.8 71.5



#85
 sec-Butylbenzene
 Concen: 2.604 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion:105 Resp: 22844
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.6 31.8

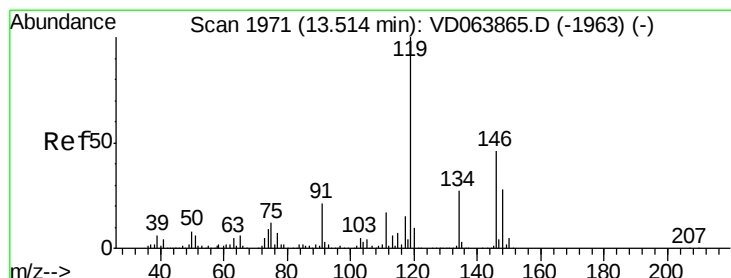
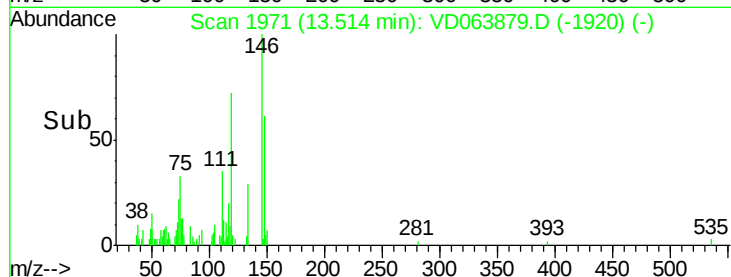
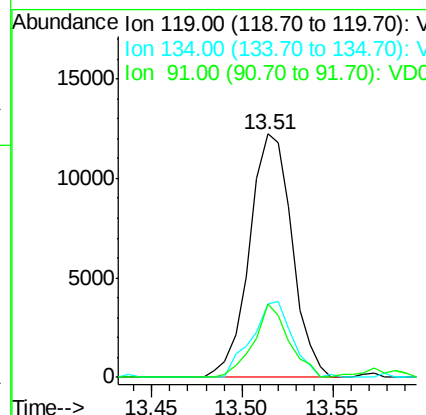
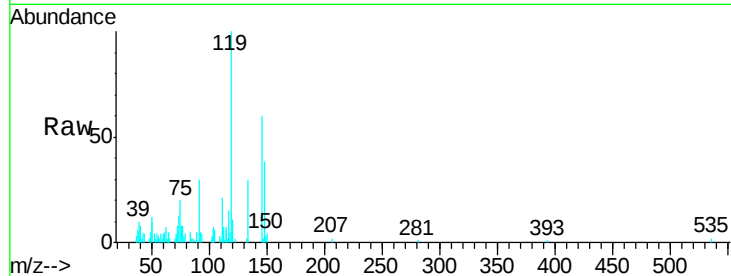




#86
p-Isopropyltoluene
Concen: 2.403 ug/l
RT: 13.51 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

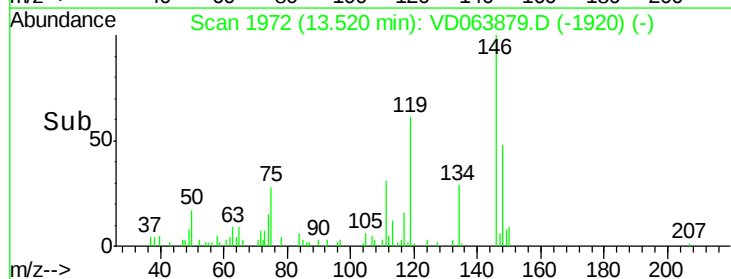
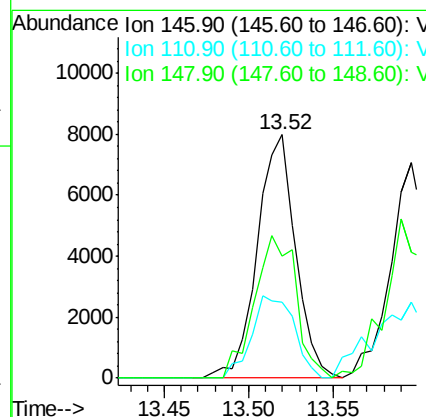
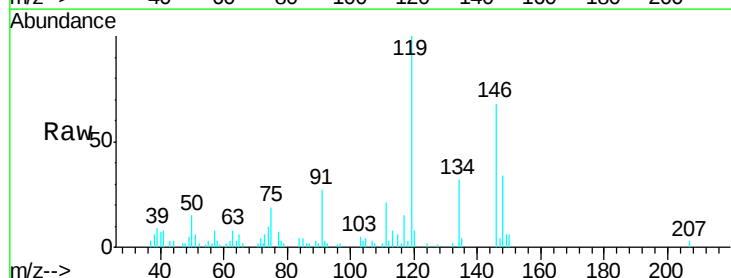
Instrument :
MSVOA_D
ClientSampleId :
MDL05

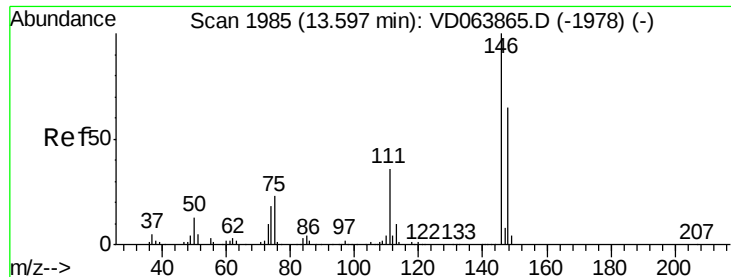
Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.8	13.9	41.6
91	25.0	11.2	33.5



#87
1,3-Dichlorobenzene
Concen: 2.925 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.01 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.9
148	63.4	31.8	95.4

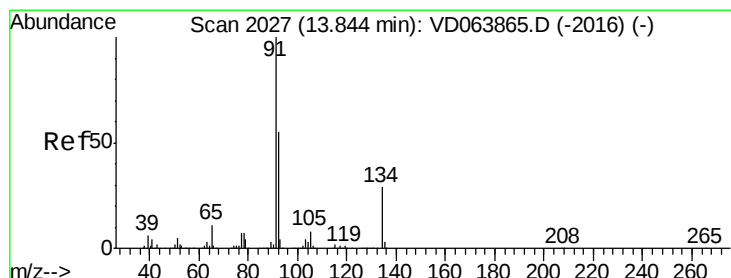
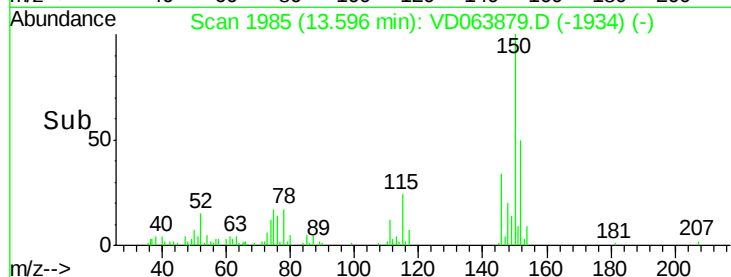
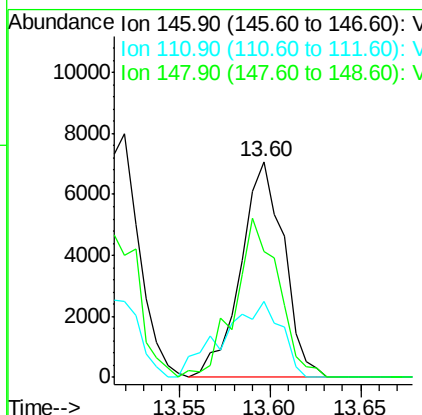
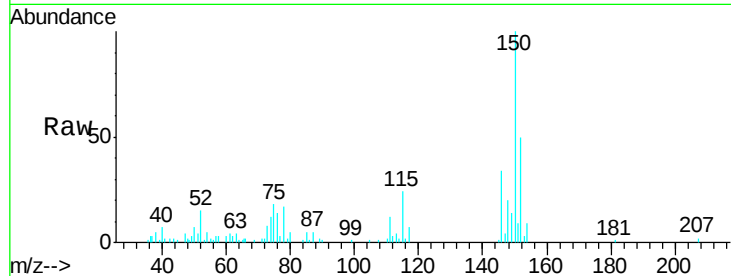




#88
 1,4-Dichlorobenzene
 Concen: 2.756 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

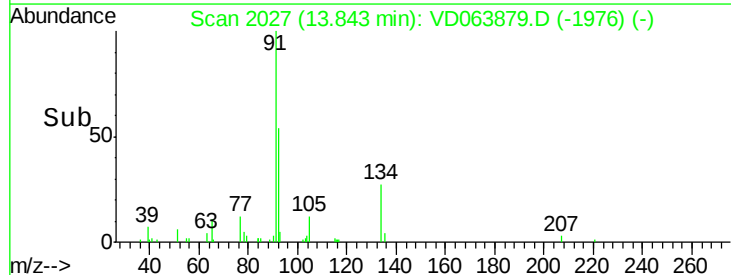
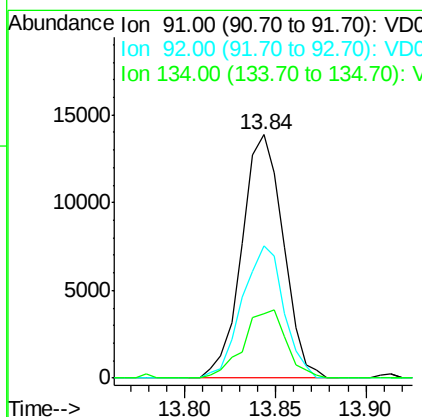
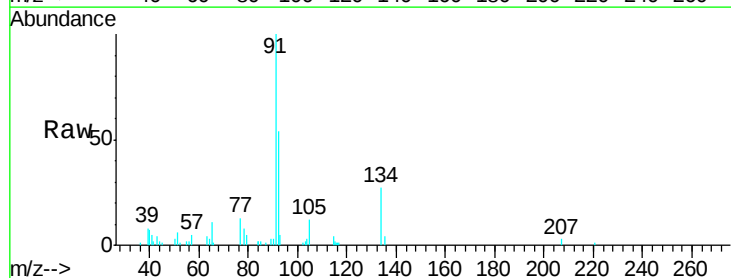
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

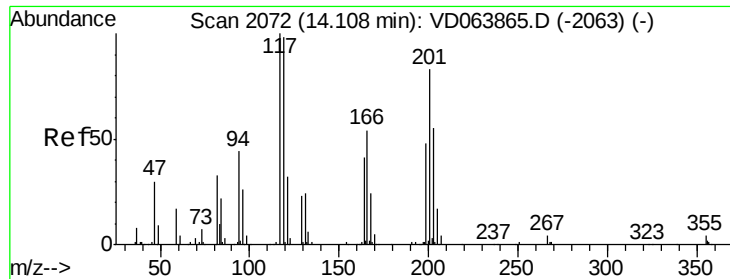
Tgt Ion:146 Resp: 11710
 Ion Ratio Lower Upper
 146 100
 111 47.8 18.6 56.0
 148 74.5 32.6 98.0



#89
 n-Butylbenzene
 Concen: 2.851 ug/l
 RT: 13.84 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion: 91 Resp: 22031
 Ion Ratio Lower Upper
 91 100
 92 54.9 26.8 80.3
 134 29.1 14.4 43.0

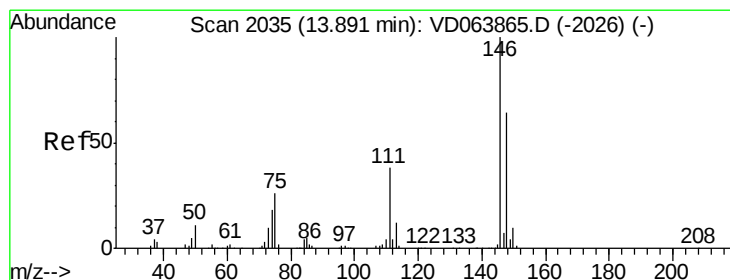
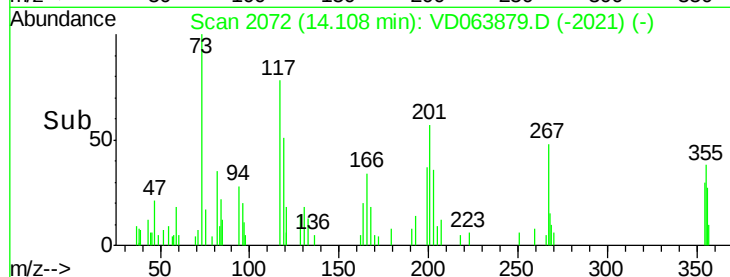
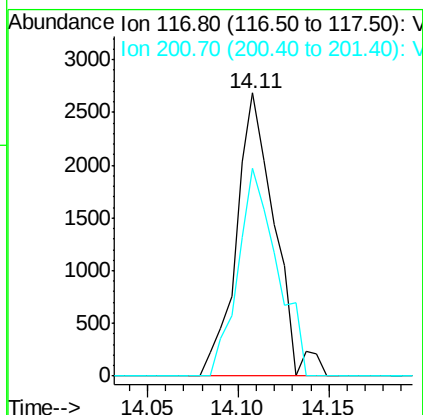
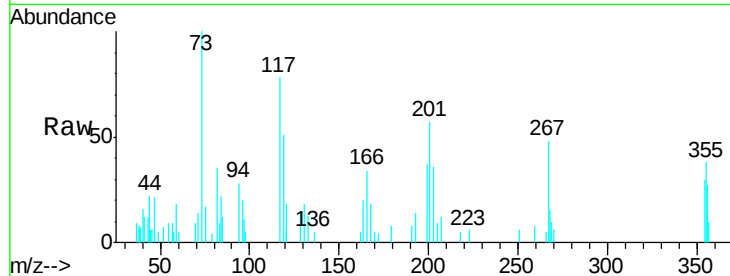




#90
Hexachloroethane
Concen: 2.624 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

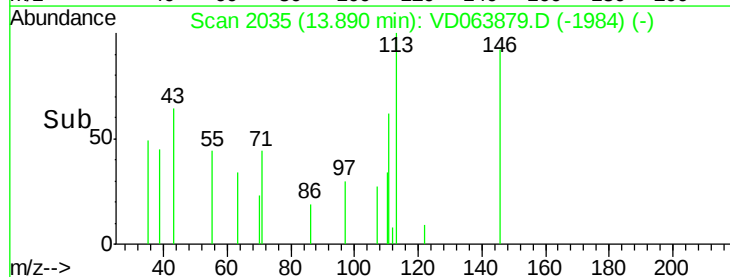
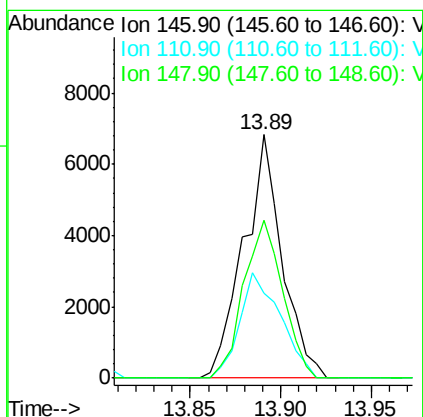
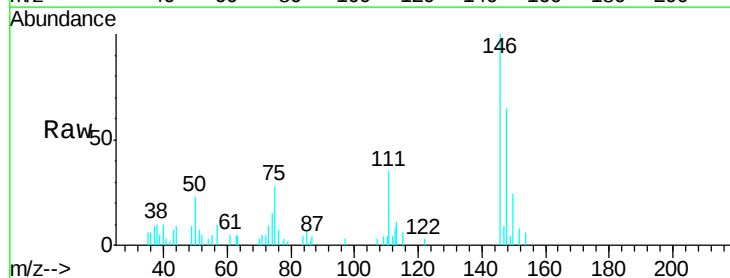
Instrument :
MSVOA_D
ClientSampleId :
MDL05

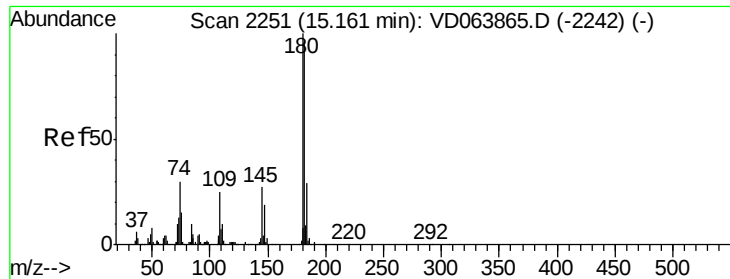
Tgt Ion:117 Resp: 3917
Ion Ratio Lower Upper
117 100
201 75.3 40.6 121.7



#91
1,2-Dichlorobenzene
Concen: 2.719 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VD063879.D
Acq: 03 Oct 2019 16:54

Tgt Ion:146 Resp: 10092
Ion Ratio Lower Upper
146 100
111 45.7 18.6 55.6
148 65.6 31.6 95.0

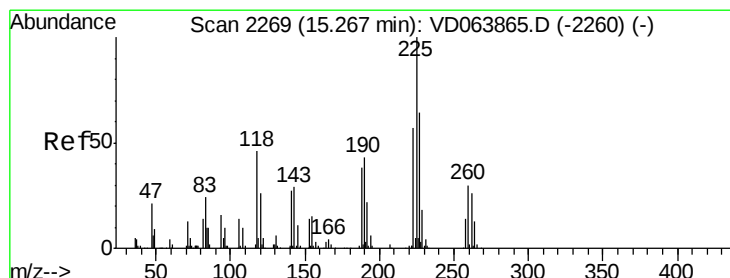
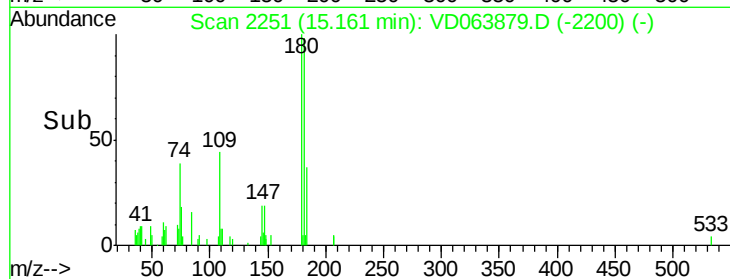
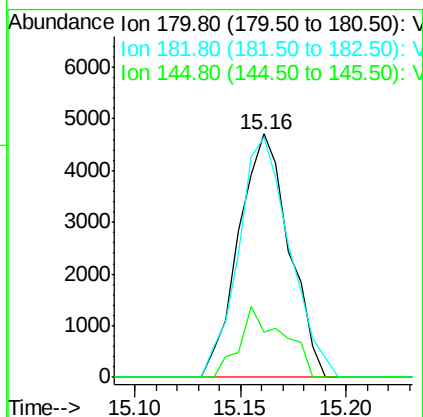
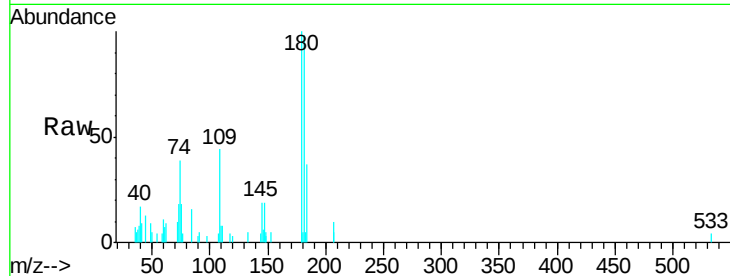




#93
 1,2,4-Trichlorobenzene
 Concen: 2.731 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

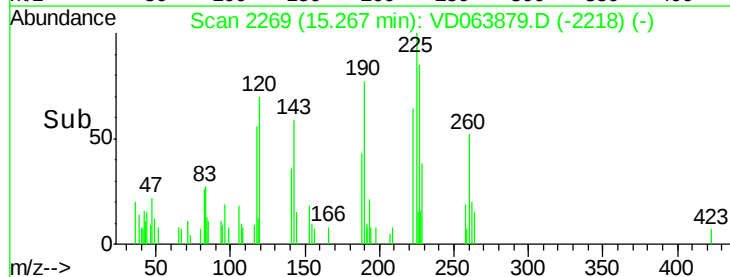
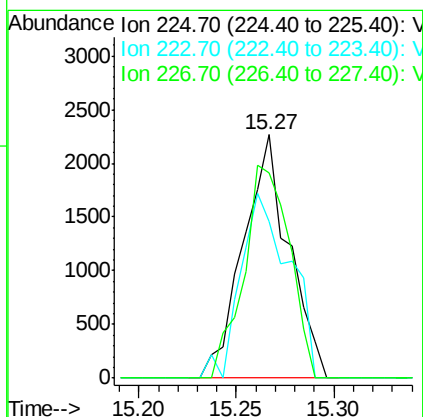
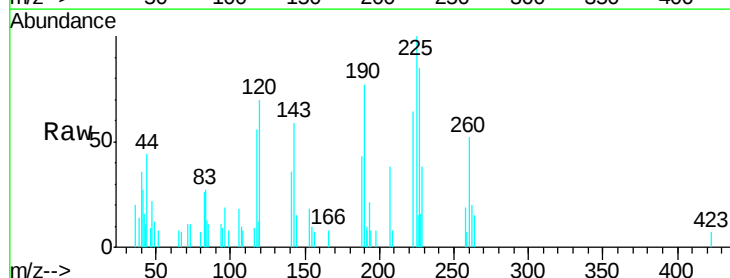
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05

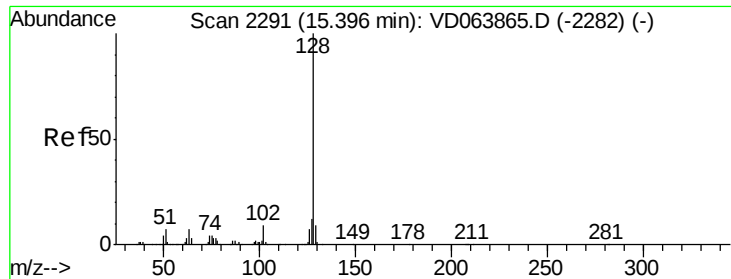
Tgt Ion:180 Resp: 7821
 Ion Ratio Lower Upper
 180 100
 182 100.1 47.4 142.3
 145 24.7 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 2.323 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063879.D
 Acq: 03 Oct 2019 16:54

Tgt Ion:225 Resp: 3671
 Ion Ratio Lower Upper
 225 100
 223 81.1 29.5 88.6
 227 87.8 30.8 92.4





#95

Naphthalene

Concen: 2.562 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

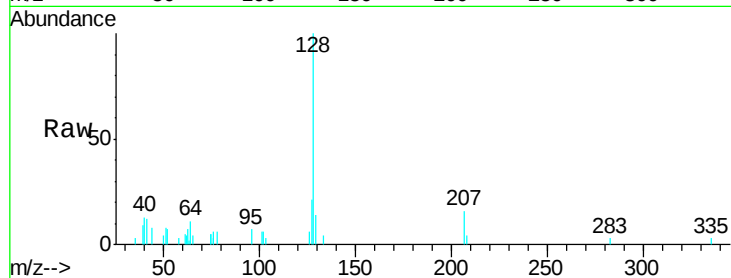
Instrument :

MSVOA_D

ClientSampleId :

MDL05

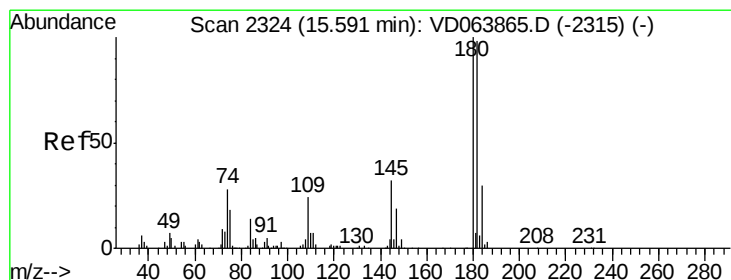
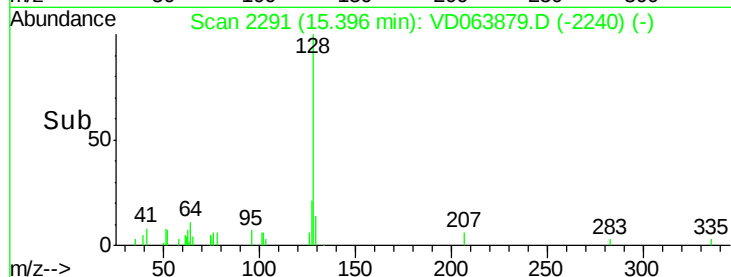
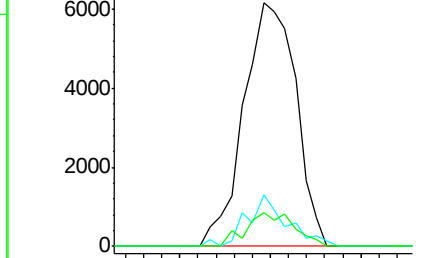
Tgt Ion:	128	Resp:	12331
Ion	Ratio	Lower	Upper
128	100		
127	16.4	10.6	16.0#
129	12.7	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.765 ug/l

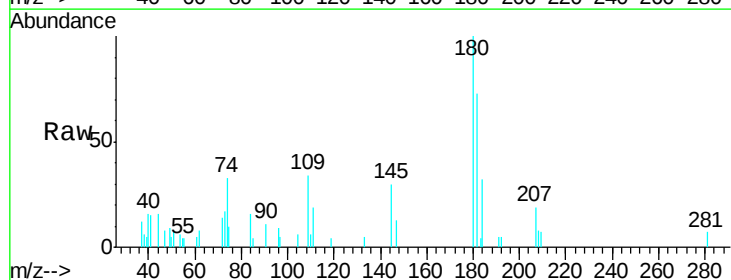
RT: 15.59 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VD063879.D

Acq: 03 Oct 2019 16:54

Tgt Ion:	180	Resp:	6832
Ion	Ratio	Lower	Upper
180	100		
182	84.2	47.0	141.0
145	30.7	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

