

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100319\
 Data File : VD063881.D
 Acq On : 03 Oct 2019 17:48
 Operator : VA/SY
 Sample : MDL07
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

Quant Time: Oct 04 01:37:54 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	183095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	287556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	285699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	141163	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	83663	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.92	113	83289	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	10.34	98	352564	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.63	95	111965	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	3377	2.601 ug/l	93
3) Chloromethane	2.21	50	12547	Below Cal	88
4) Vinyl Chloride	2.34	62	10822	2.579 ug/l	95
5) Bromomethane	2.77	94	7768	2.879 ug/l	92
6) Chloroethane	2.93	64	7920	2.854 ug/l	99
7) Trichlorofluoromethane	3.27	101	15238	2.746 ug/l	92
8) Diethyl Ether	3.70	74	2714	3.047 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	1542	1.004 ug/l #	17
10) Methyl Iodide	4.29	142	5188	2.451 ug/l #	94
11) Tert butyl alcohol	5.24	59	265	Below Cal #	71
12) 1,1-Dichloroethene	4.07	96	4253	2.772 ug/l #	63
13) Acrolein	3.93	56	2241	14.076 ug/l	93
14) Allyl chloride	4.71	41	7125	2.793 ug/l #	84
15) Acrylonitrile	5.43	53	3613	9.202 ug/l #	64
16) Acetone	4.17	43	7913	17.050 ug/l #	67
17) Carbon Disulfide	4.40	76	13632	2.444 ug/l #	91
18) Methyl Acetate	4.74	43	2943	3.242 ug/l #	53
19) Methyl tert-butyl Ether	5.49	73	10819	2.723 ug/l	92
20) Methylene Chloride	4.96	84	13303	3.671 ug/l #	84
21) trans-1,2-Dichloroethene	5.46	96	5016	2.626 ug/l #	71
22) Diisopropyl ether	6.37	45	12880	2.472 ug/l #	85
23) Vinyl Acetate	6.31	43	34106	11.004 ug/l	98
24) 1,1-Dichloroethane	6.27	63	8487	2.644 ug/l	96
25) 2-Butanone	7.23	43	8372	15.222 ug/l #	82
26) 2,2-Dichloropropane	7.21	77	4878	1.680 ug/l #	75
27) cis-1,2-Dichloroethene	7.21	96	4832	2.235 ug/l	63
28) Bromochloromethane	7.56	49	3506	4.630 ug/l #	97
29) Tetrahydrofuran	7.57	42	4196	13.070 ug/l #	79
30) Chloroform	7.71	83	9604	2.755 ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	7096	2.373 ug/l	95
36) 1,1-Dichloropropene	8.11	75	7120	2.708 ug/l #	91
37) Ethyl Acetate	7.30	43	2877	Below Cal #	91
38) Carbon Tetrachloride	8.09	117	4044	1.522 ug/l #	92
39) Methylcyclohexane	9.36	83	8895	2.752 ug/l #	86

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Quant Time: Oct 04 01:37:54 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)
40) Benzene	8.36	78	19643	2.607	ug/l	96
41) Methacrylonitrile	7.52	41	2015	3.306	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	5675	2.604	ug/l	98
43) Isopropyl Acetate	8.47	43	6292	2.854	ug/l #	60
44) Trichloroethene	9.12	130	5559	2.559	ug/l	97
45) 1,2-Dichloropropane	9.39	63	5012	2.718	ug/l	99
46) Dibromomethane	9.48	93	2707	2.577	ug/l	88
47) Bromodichloromethane	9.67	83	6086	2.251	ug/l	93
48) Methyl methacrylate	9.47	41	3463	3.278	ug/l #	82
49) 1,4-Dioxane	9.46	88	474	33.063	ug/l #	59
51) 4-Methyl-2-Pentanone	10.23	43	15208	13.299	ug/l	94
52) Toluene	10.40	92	12881	2.490	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	6713	2.544	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	7930	2.611	ug/l #	91
55) 1,1,2-Trichloroethane	10.80	97	4792	3.231	ug/l #	87
56) Ethyl methacrylate	10.66	69	4684	2.494	ug/l #	76
57) 1,3-Dichloropropane	10.96	76	5946	2.343	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.94	63	9755	12.085	ug/l	99
59) 2-Hexanone	10.98	43	10631	12.852	ug/l	93
60) Dibromochloromethane	11.14	129	4944	2.561	ug/l	91
61) 1,2-Dibromoethane	11.25	107	3800	2.643	ug/l	92
64) Tetrachloroethene	10.87	164	4808	2.465	ug/l #	85
65) Chlorobenzene	11.67	112	14861	2.590	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.75	131	5185	2.452	ug/l	97
67) Ethyl Benzene	11.74	91	23711	2.292	ug/l	91
68) m/p-Xylenes	11.85	106	19170	4.800	ug/l	97
69) o-Xylene	12.18	106	8937	2.337	ug/l	99
70) Styrene	12.19	104	14854	2.295	ug/l	95
71) Bromoform	12.37	173	2232	1.967	ug/l #	68
73) Isopropylbenzene	12.48	105	22813	2.404	ug/l	92
74) N-amyl acetate	12.29	43	4763	2.331	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.73	83	3920	2.374	ug/l #	80
76) 1,2,3-Trichloropropane	12.78	75	2744	2.902	ug/l #	100
77) Bromobenzene	12.76	156	5719	2.419	ug/l	94
78) n-propylbenzene	12.82	91	27216	2.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	15467	2.518	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	19812	2.502	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.63	75	59693	111.725	ug/l #	12
82) 4-Chlorotoluene	13.00	91	17032	2.614	ug/l	95
83) tert-Butylbenzene	13.22	119	17162	2.436	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	18750	2.297	ug/l	95
85) sec-Butylbenzene	13.40	105	21450	2.254	ug/l	96
86) p-Isopropyltoluene	13.52	119	20902	2.321	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	11294	2.418	ug/l	91
88) 1,4-Dichlorobenzene	13.60	146	11337	2.460	ug/l	83
89) n-Butylbenzene	13.84	91	19241	2.296	ug/l	97
90) Hexachloroethane	14.11	117	3617	2.234	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	9907	2.461	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.51	75	954	1.326	ug/l	63
93) 1,2,4-Trichlorobenzene	15.16	180	7491	2.411	ug/l	99

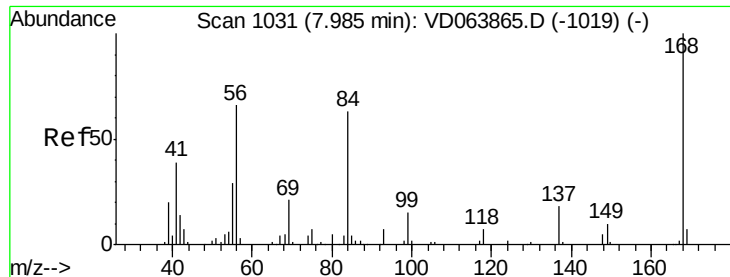
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100319\
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Quant Title : SW846 8260
QLast Update : Thu Oct 03 04:49:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.27	225	3593	2.096	ug/l	82
95) Naphthalene	15.40	128	12692	2.431	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	6571	2.452	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

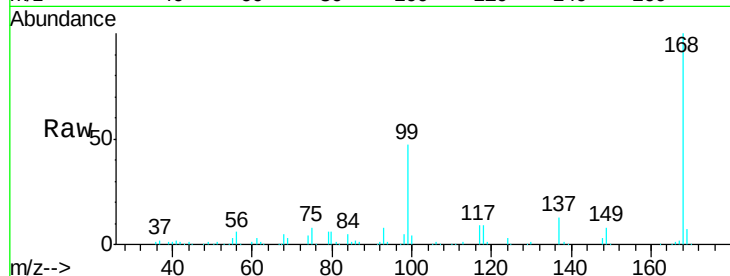
MDL07

Tgt Ion:168 Resp: 183095

Ion Ratio Lower Upper

168 100

99 47.0 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

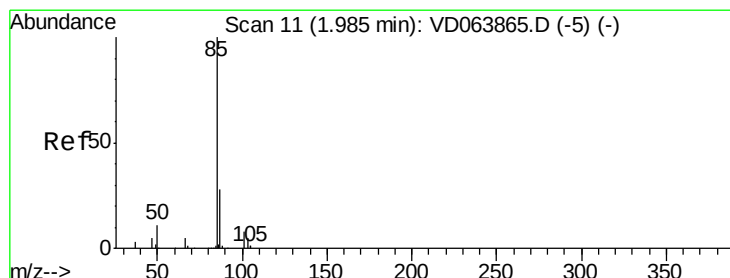
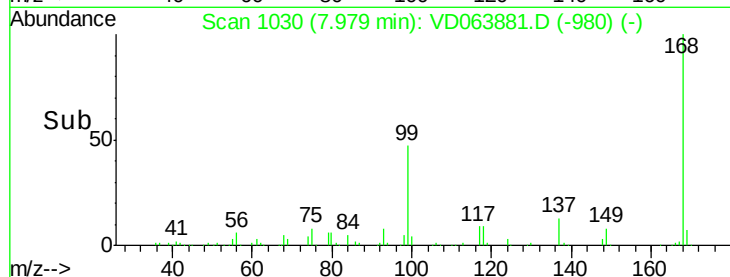
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 2.601 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063881.D

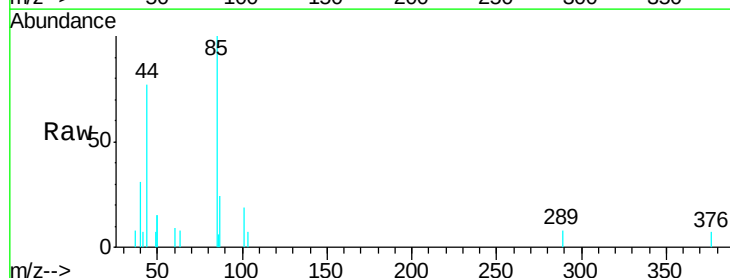
Acq: 03 Oct 2019 17:48

Tgt Ion: 85 Resp: 3377

Ion Ratio Lower Upper

85 100

87 24.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

3000

2500

2000

1500

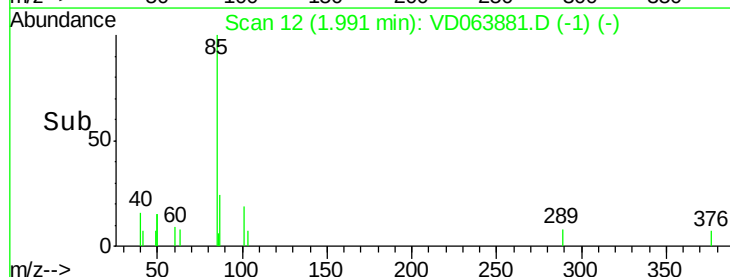
1000

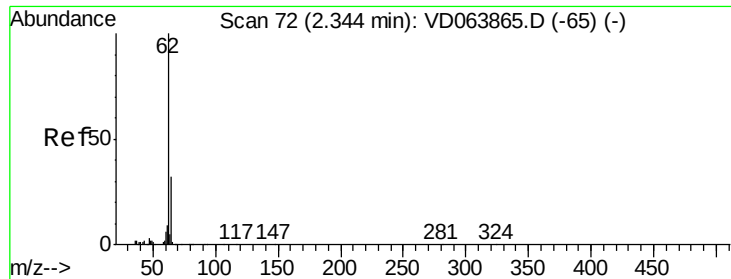
500

0

1.95 2.00 2.05

Time-->





#4

Vinyl Chloride

Concen: 2.579 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

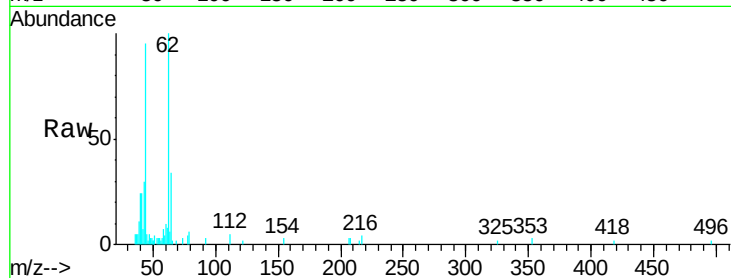
MDL07

Tgt Ion: 62 Resp: 10822

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

8000

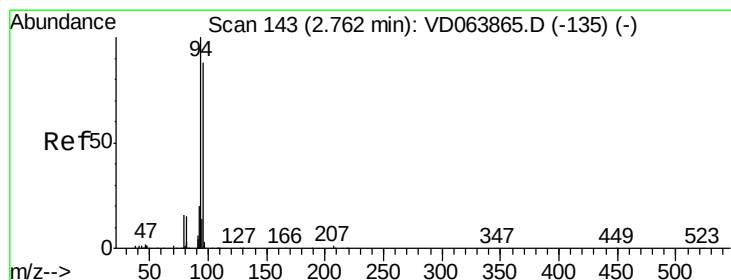
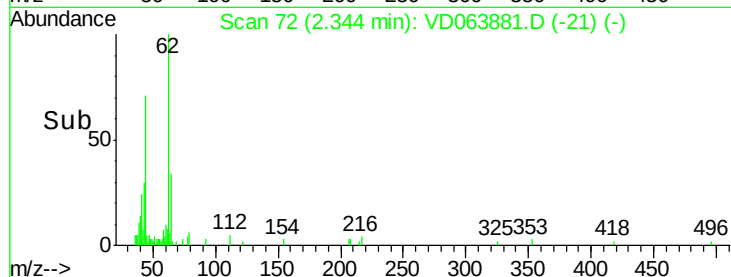
6000

4000

2000

0

Time-->



#5

Bromomethane

Concen: 2.879 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063881.D

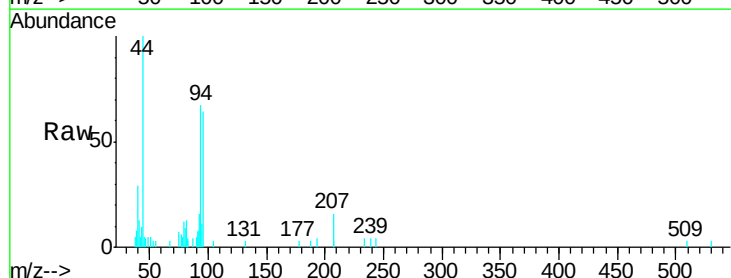
Acq: 03 Oct 2019 17:48

Tgt Ion: 94 Resp: 7768

Ion Ratio Lower Upper

94 100

96 96.0 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

4000

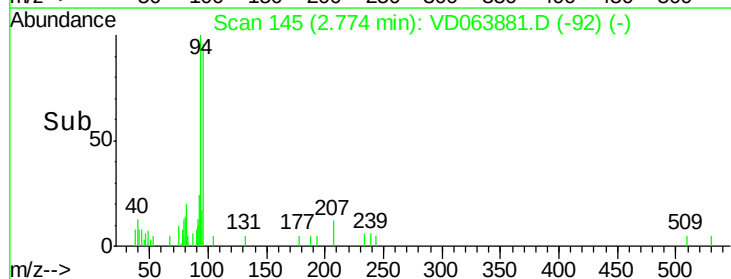
3000

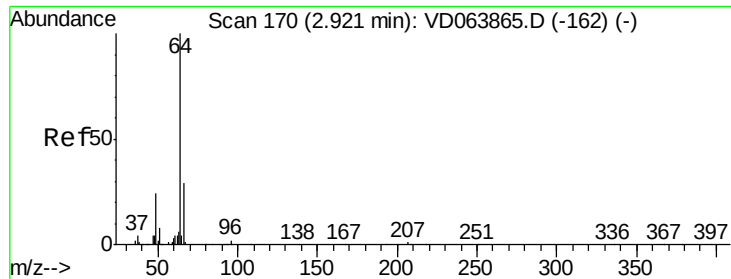
2000

1000

0

Time-->





#6

Chloroethane

Concen: 2.854 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

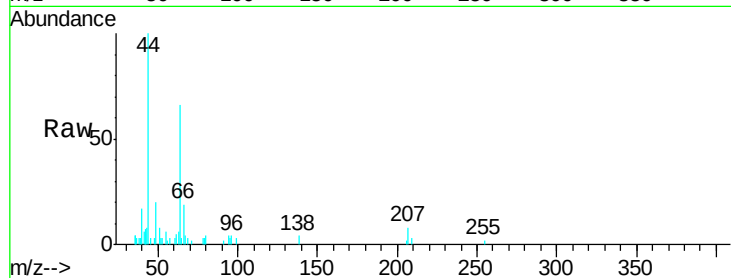
MDL07

Tgt Ion: 64 Resp: 7920

Ion Ratio Lower Upper

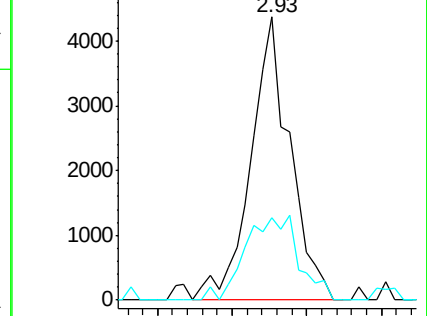
64 100

66 29.2 23.0 34.4

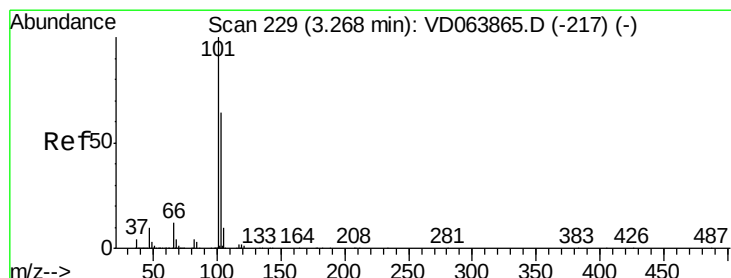
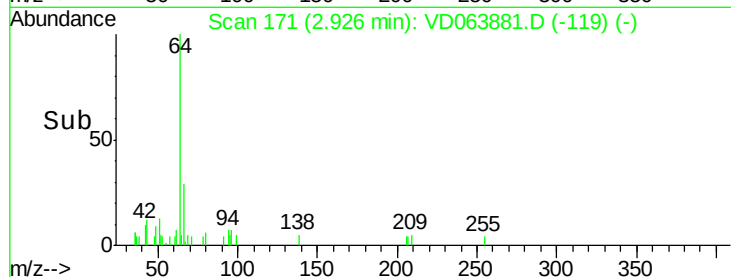


Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



#7

Trichlorofluoromethane

Concen: 2.746 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD063881.D

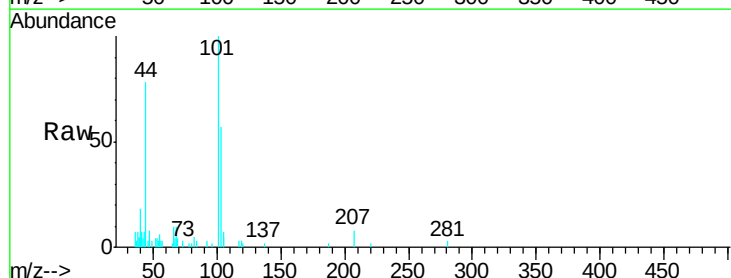
Acq: 03 Oct 2019 17:48

Tgt Ion: 101 Resp: 15238

Ion Ratio Lower Upper

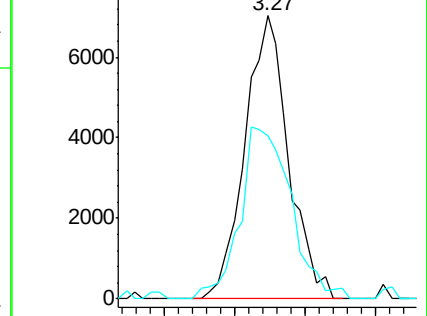
101 100

103 57.4 51.1 76.7

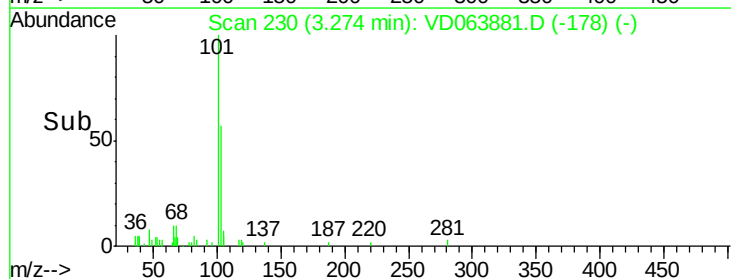


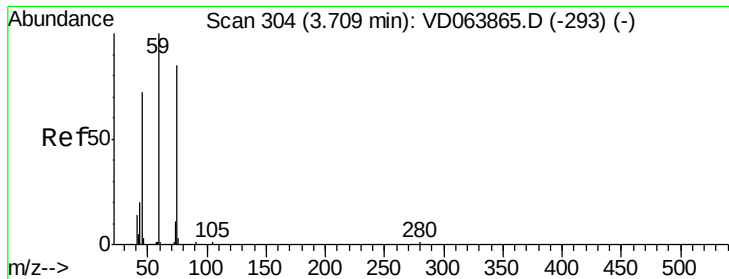
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->





#8

Diethyl Ether

Concen: 3.047 ug/l

RT: 3.70 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

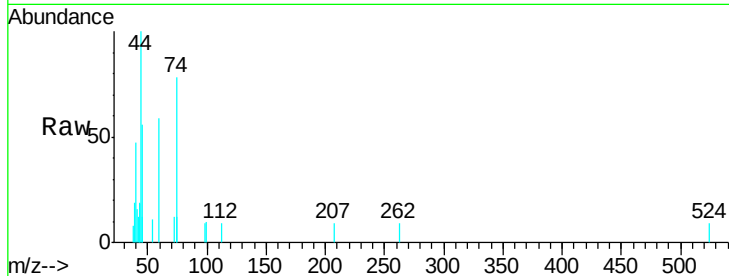
MDL07

Tgt Ion: 74 Resp: 2714

Ion Ratio Lower Upper

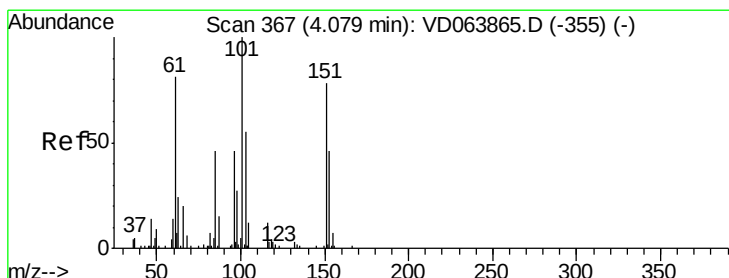
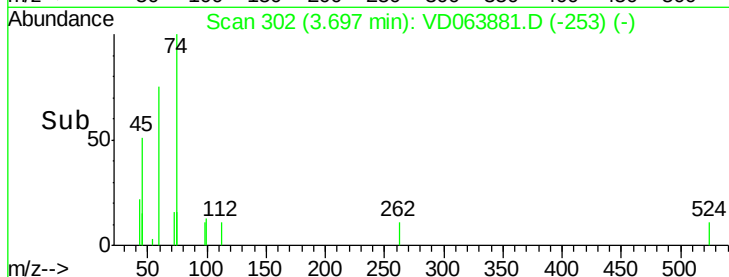
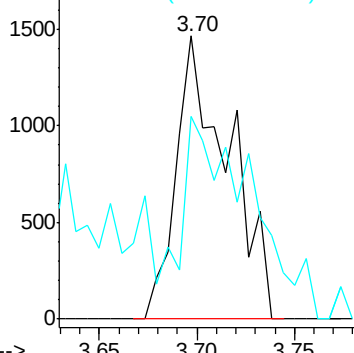
74 100

45 95.7 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VD063881.D (-253) (-)

Ion 45.00 (44.70 to 45.70): VD063881.D (-253) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.004 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

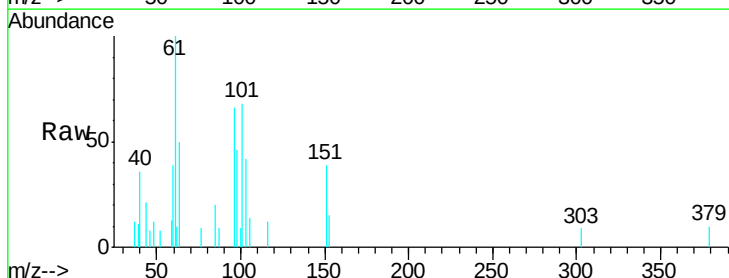
Tgt Ion: 101 Resp: 1542

Ion Ratio Lower Upper

101 100

85 92.3 37.5 56.3#

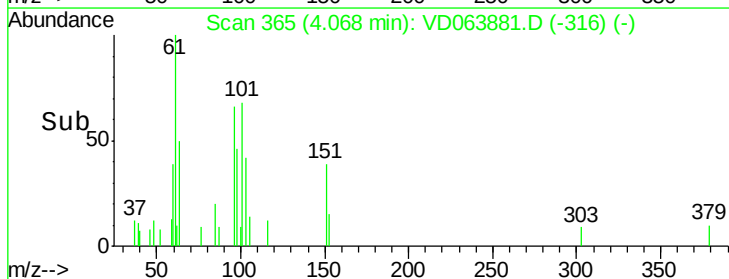
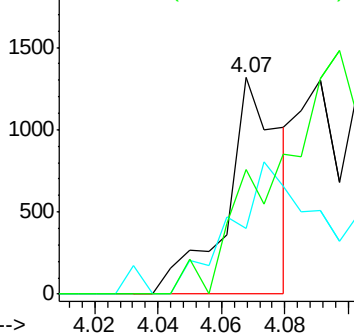
151 0.0 65.5 98.3#

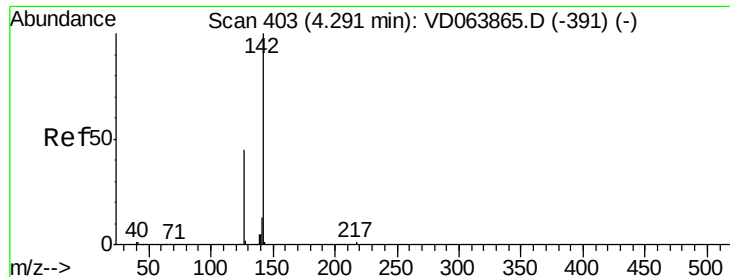


Abundance Ion 100.90 (100.60 to 101.60): VD063881.D (-316) (-)

Ion 84.90 (84.60 to 85.60): VD063881.D (-316) (-)

Ion 150.80 (150.50 to 151.50): VD063881.D (-316) (-)

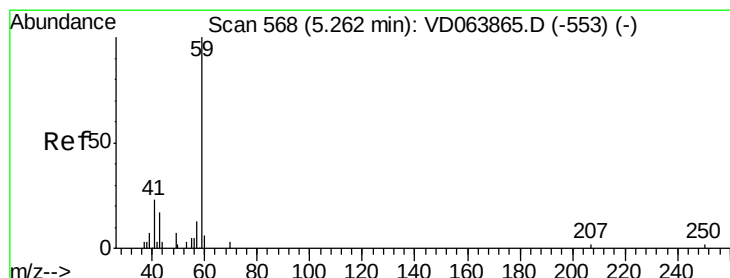
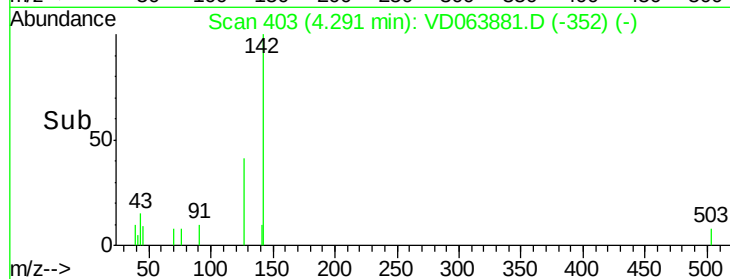
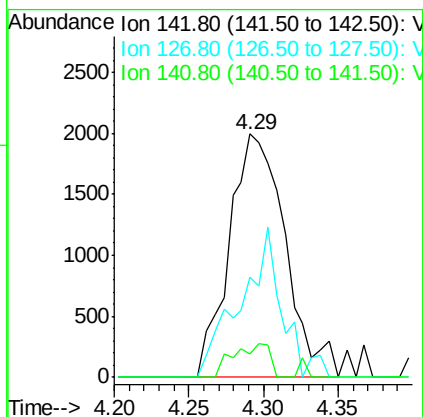
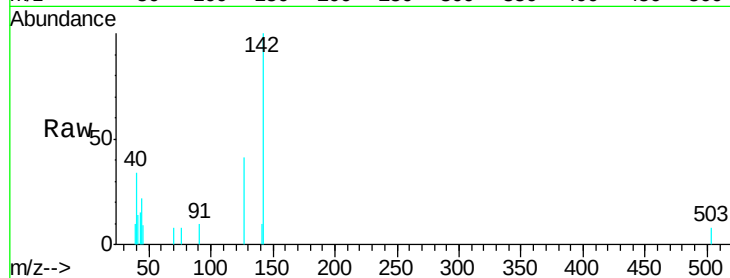




#10
Methyl Iodide
Concen: 2.451 ug/l
RT: 4.29 min Scan# 403
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

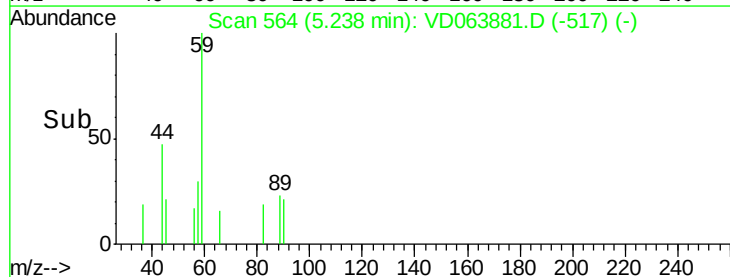
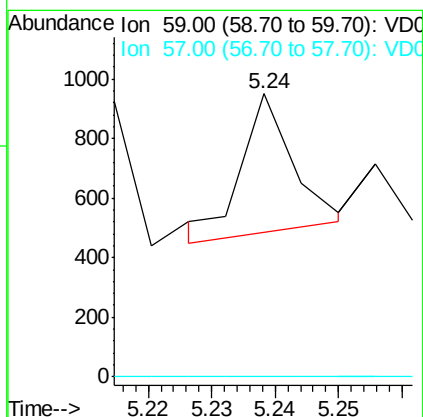
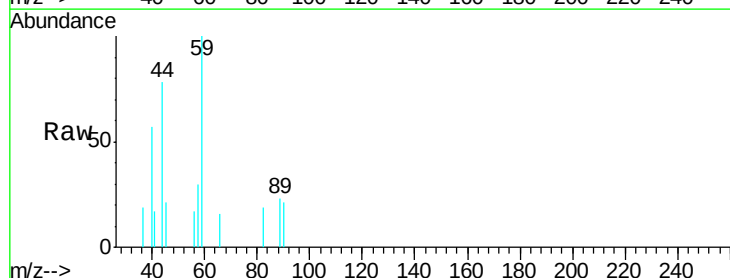
Instrument :
MSVOA_D
ClientSampleId :
MDL07

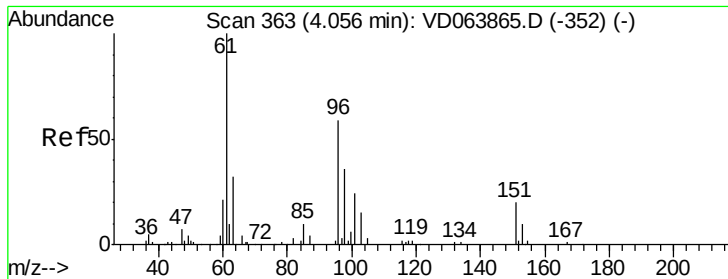
Tgt Ion:142 Resp: 5188
Ion Ratio Lower Upper
142 100
127 46.1 35.3 52.9
141 9.1 12.2 18.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 2.772 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.02 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

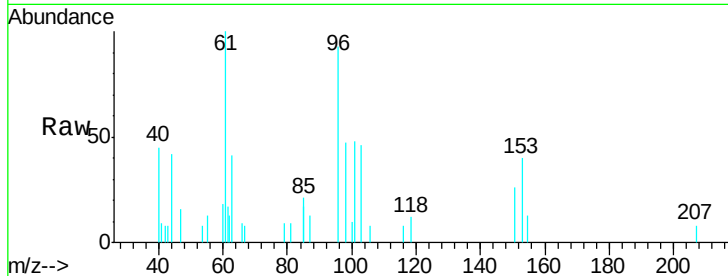
Tgt Ion: 96 Resp: 4253

Ion Ratio Lower Upper

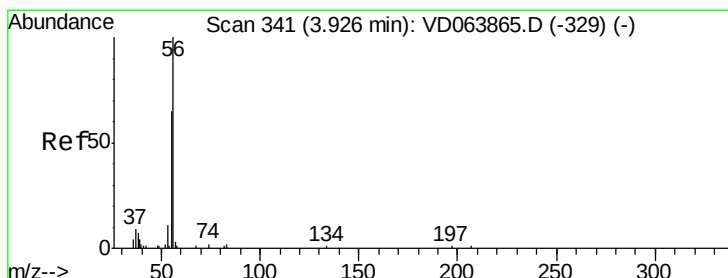
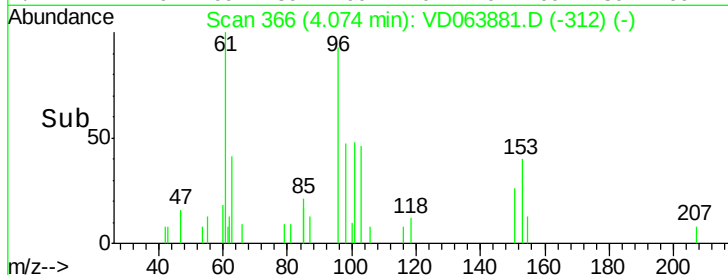
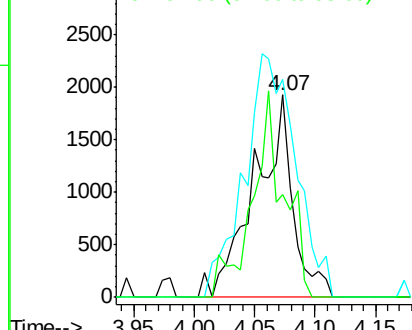
96 100

61 107.7 135.6 203.4#

98 50.8 49.2 73.8



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



#13

Acrolein

Concen: 14.076 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063881.D

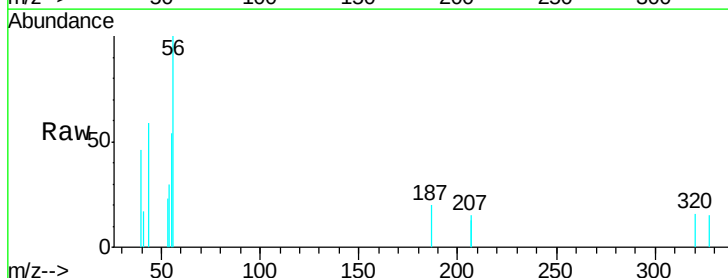
Acq: 03 Oct 2019 17:48

Tgt Ion: 56 Resp: 2241

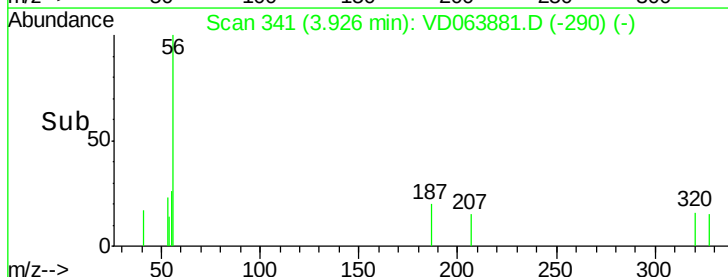
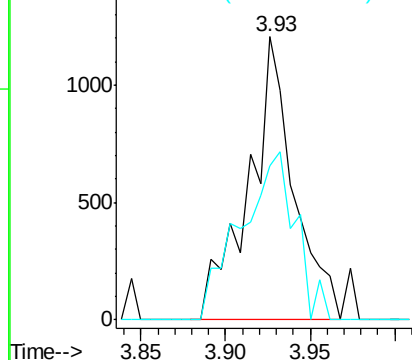
Ion Ratio Lower Upper

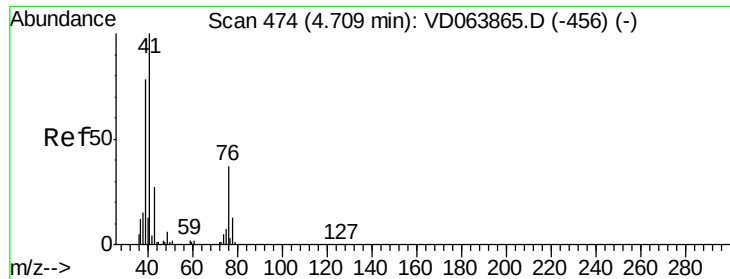
56 100

55 72.1 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC

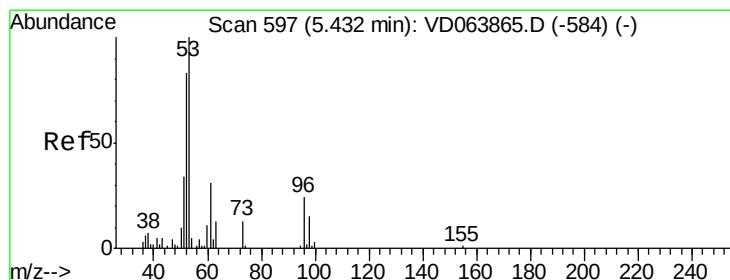
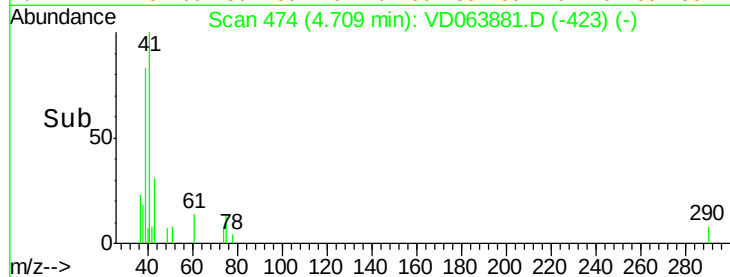
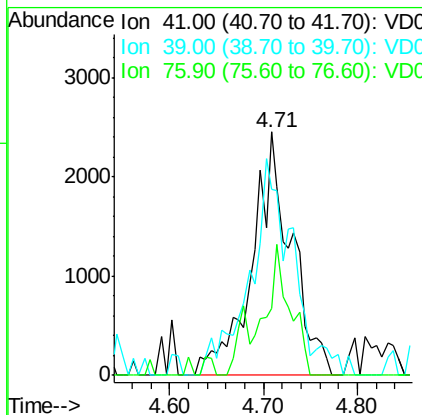
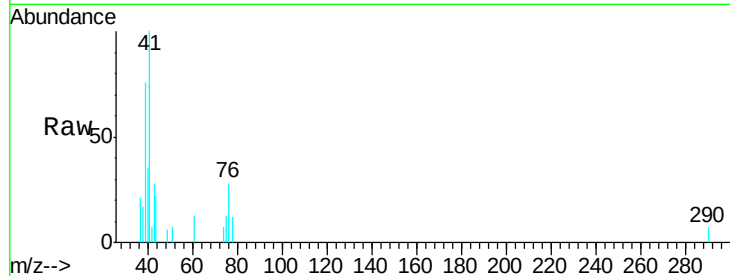




#14
 Allyl chloride
 Concen: 2.793 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

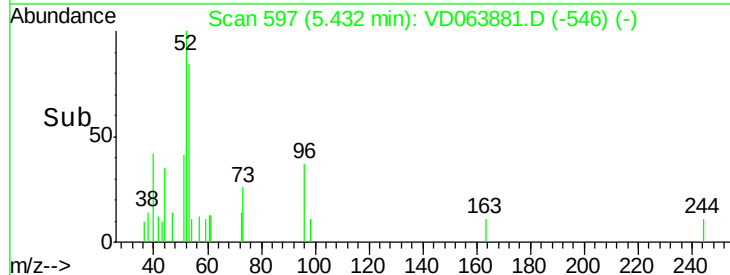
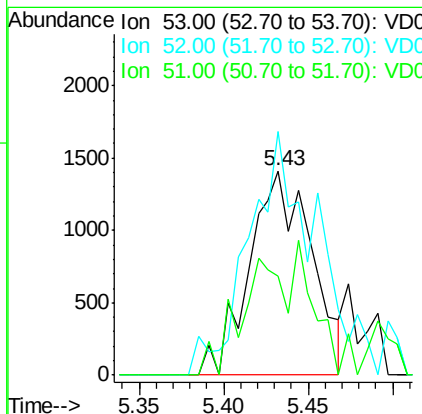
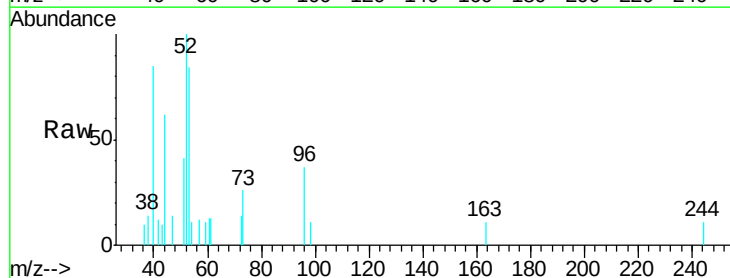
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

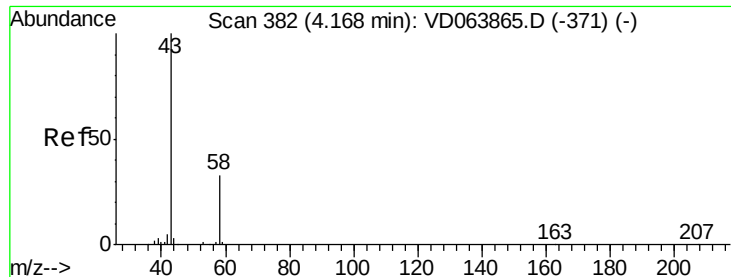
Tgt Ion: 41 Resp: 7125
 Ion Ratio Lower Upper
 41 100
 39 91.7 61.8 92.6
 76 30.2 31.3 46.9#



#15
 Acrylonitrile
 Concen: 9.202 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 53 Resp: 3613
 Ion Ratio Lower Upper
 53 100
 52 129.2 67.3 100.9#
 51 40.7 30.5 45.7





#16

Acetone

Concen: 17.050 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

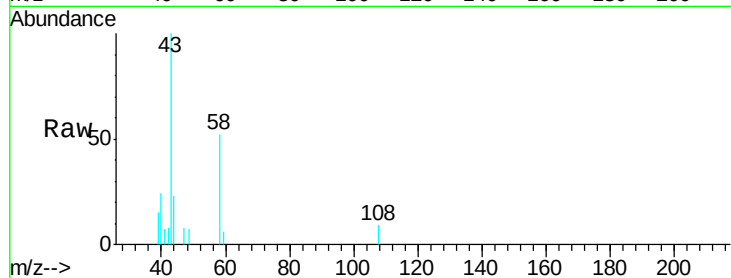
MDL07

Tgt Ion: 43 Resp: 7913

Ion Ratio Lower Upper

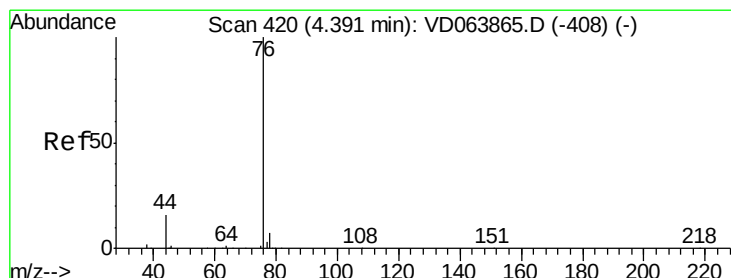
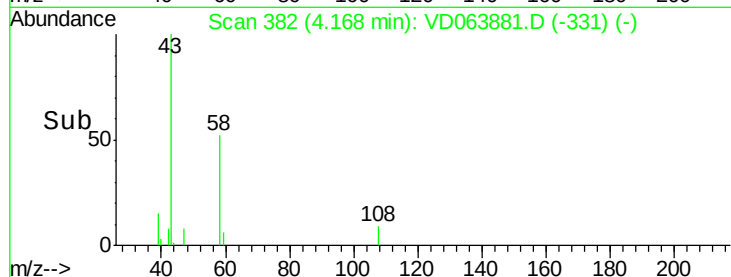
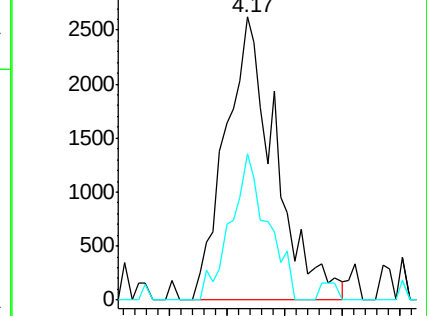
43 100

58 51.6 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: 2.444 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063881.D

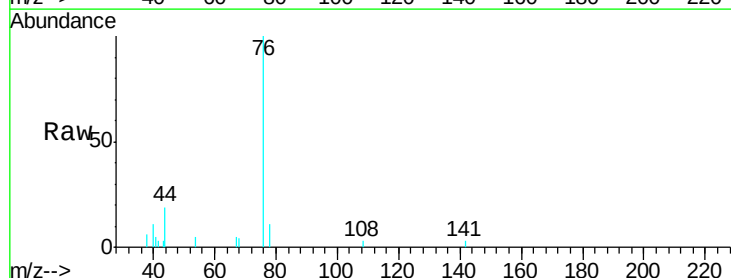
Acq: 03 Oct 2019 17:48

Tgt Ion: 76 Resp: 13632

Ion Ratio Lower Upper

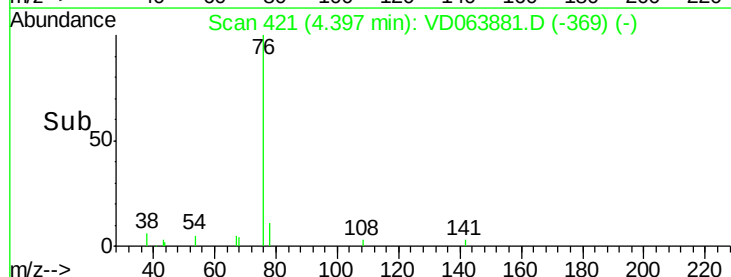
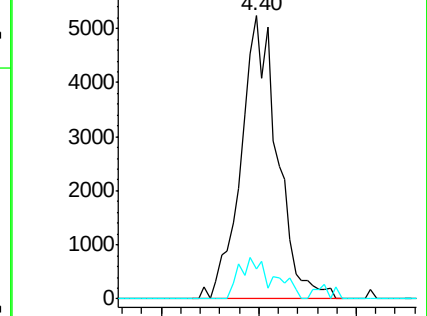
76 100

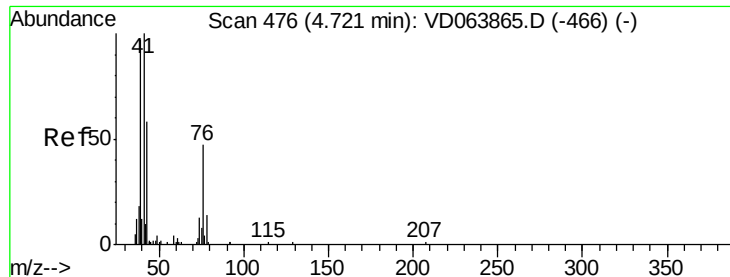
78 10.5 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

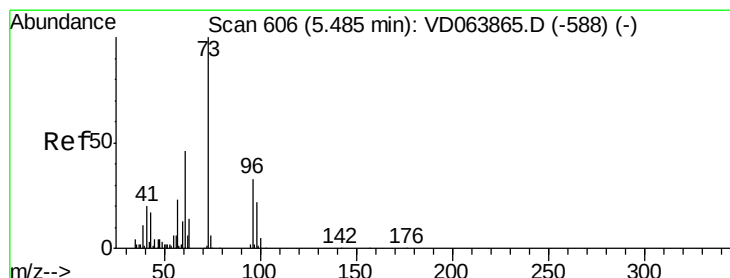
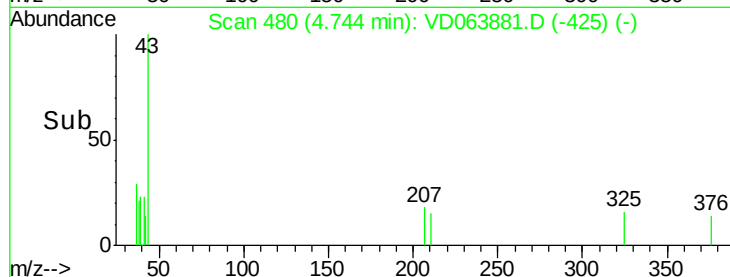
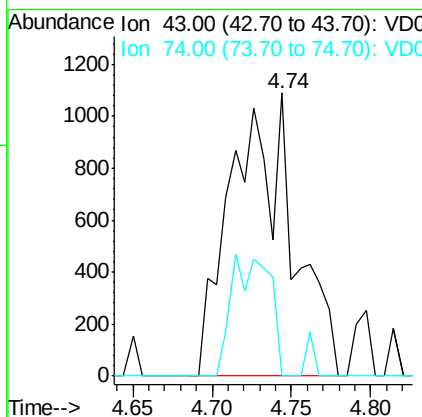
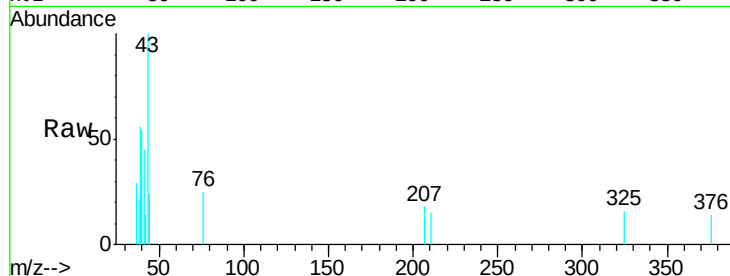




#18
Methyl Acetate
Concen: 3.242 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.02 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

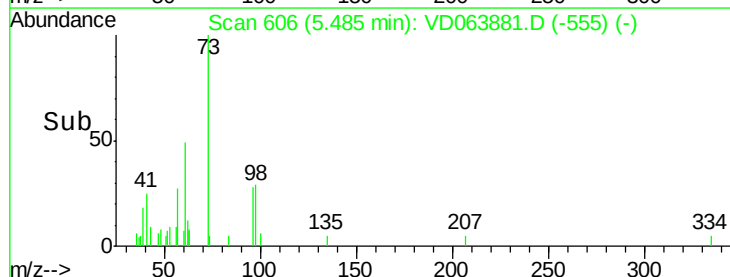
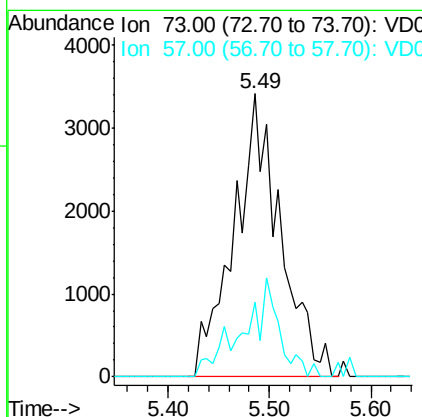
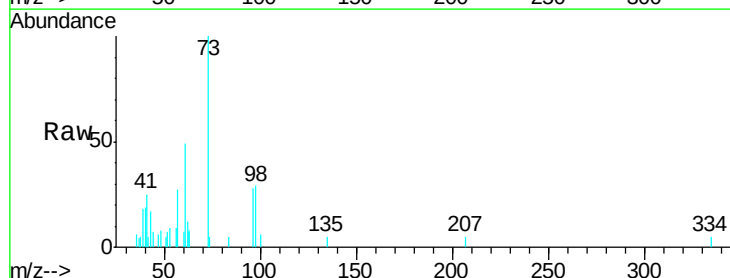
Instrument :
MSVOA_D
ClientSampled :
MDL07

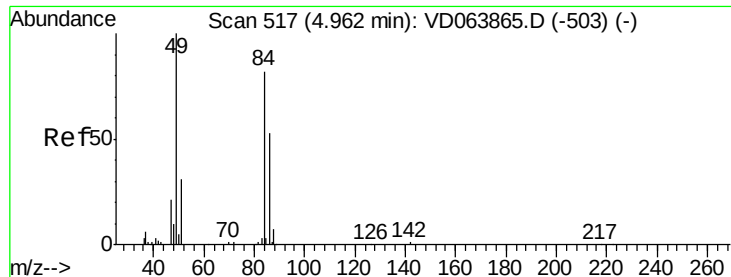
Tgt Ion: 43 Resp: 2943
Ion Ratio Lower Upper
43 100
74 2.0 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 2.723 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 73 Resp: 10819
Ion Ratio Lower Upper
73 100
57 26.6 18.1 27.1

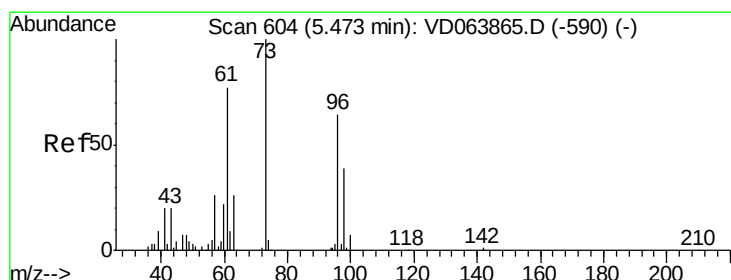
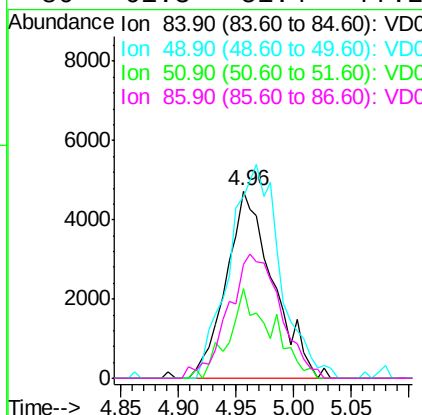
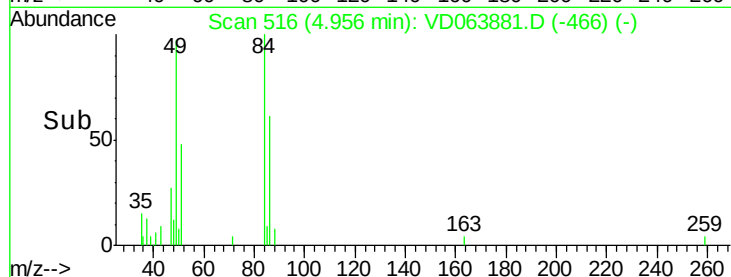
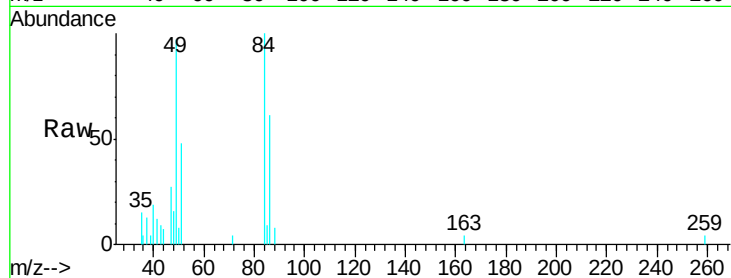




#20
Methylene Chloride
Concen: 3.671 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

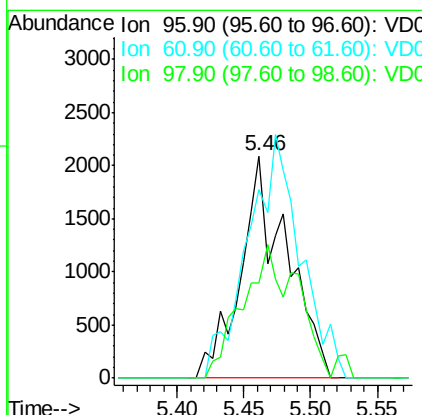
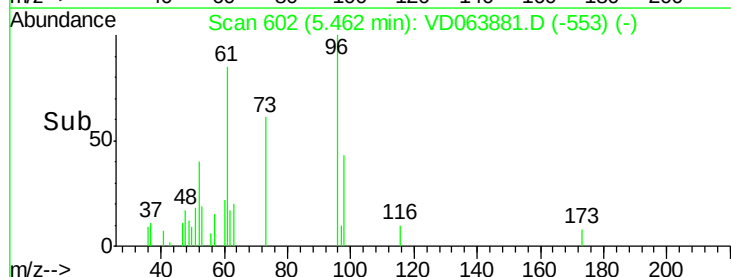
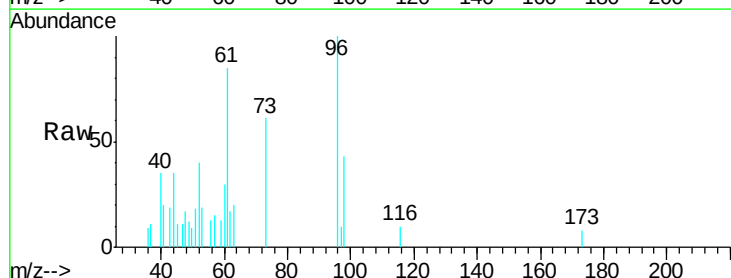
Instrument :
MSVOA_D
ClientSampled :
MDL07

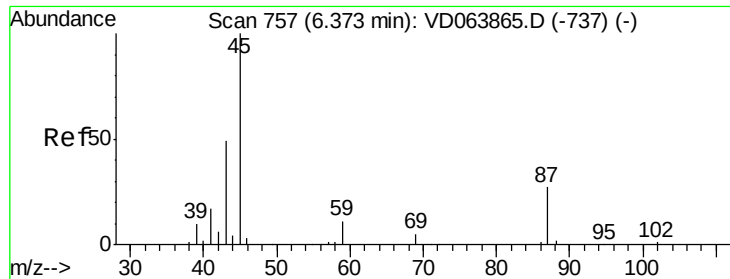
Tgt Ion:	84	Resp:	13303
Ion	Ratio	Lower	Upper
84	100		
49	97.4	97.3	145.9
51	47.8	30.1	45.1#
86	61.3	51.4	77.2



#21
trans-1,2-Dichloroethene
Concen: 2.626 ug/l
RT: 5.46 min Scan# 602
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion:	96	Resp:	5016
Ion	Ratio	Lower	Upper
96	100		
61	85.0	96.6	145.0#
98	42.9	48.7	73.1#

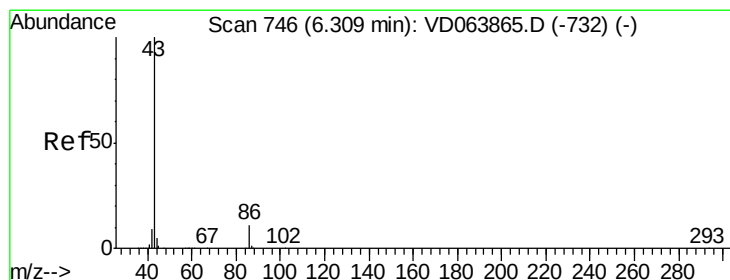
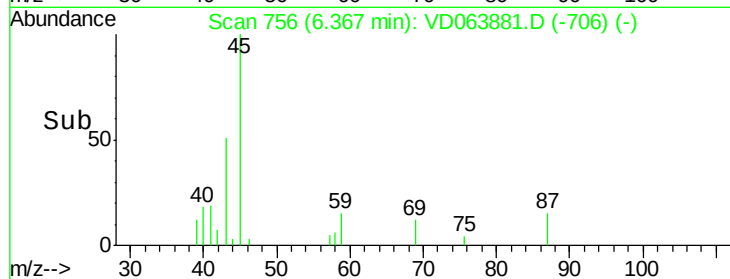
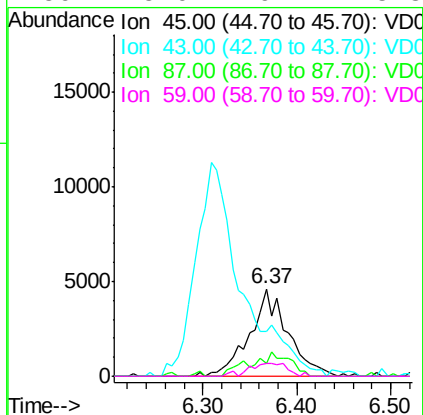
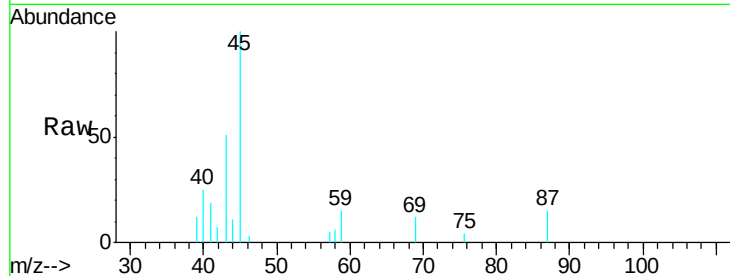




#22
Diisopropyl ether
Concen: 2.472 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

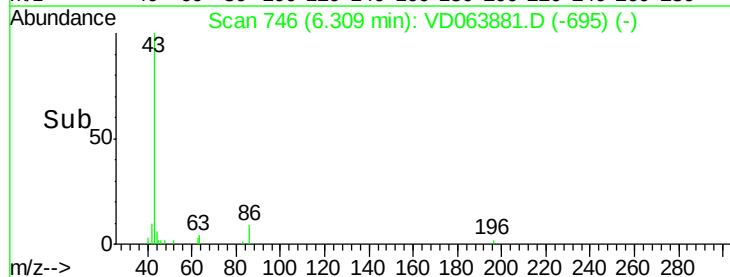
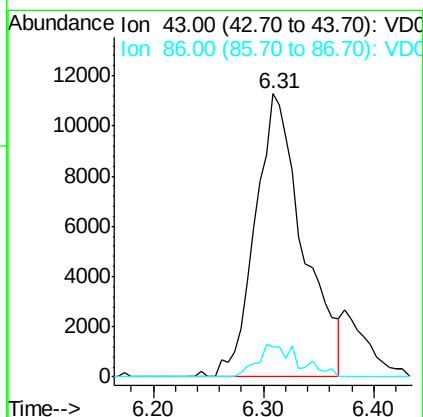
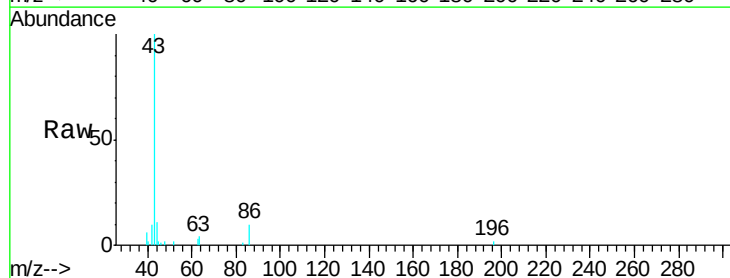
Instrument :
MSVOA_D
ClientSampleId :
MDL07

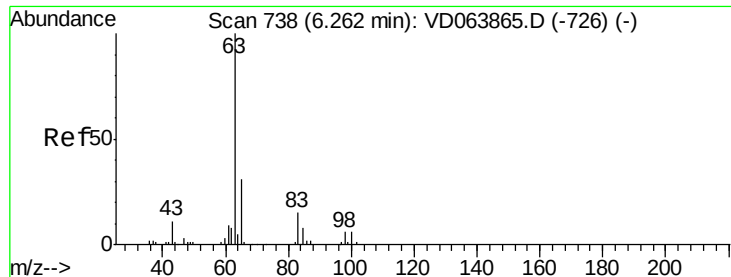
Tgt Ion:	45	Resp:	12880
Ion	Ratio	Lower	Upper
45	100		
43	44.1	41.2	61.8
87	14.6	22.2	33.4#
59	15.0	9.2	13.8#



#23
Vinyl Acetate
Concen: 11.004 ug/l
RT: 6.31 min Scan# 746
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion:	43	Resp:	34106
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.8	13.2





#24

1,1-Dichloroethane

Concen: 2.644 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

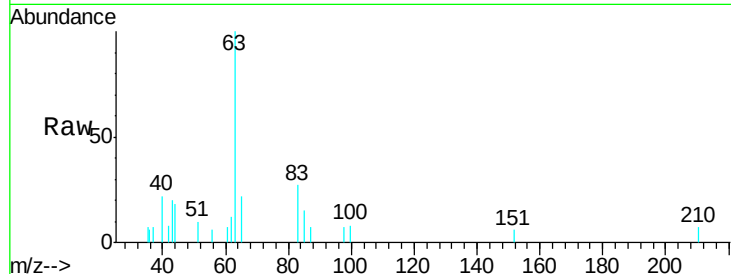
Instrument :

MSVOA_D

ClientSampleId :

MDL07

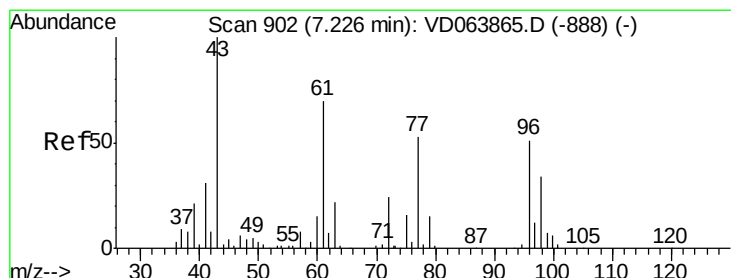
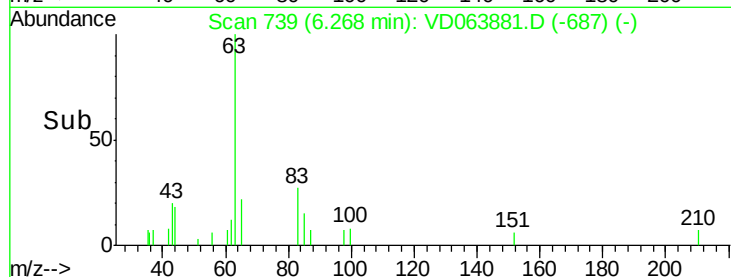
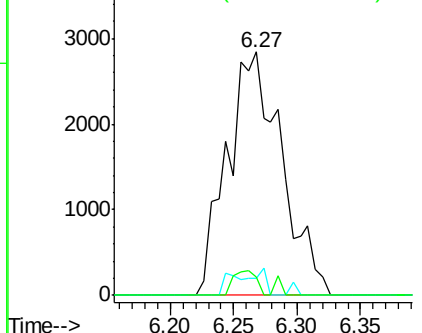
Tgt Ion:	63	Resp:	8487
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.1	9.4
100	7.6	3.0	9.2



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: 15.222 ug/l

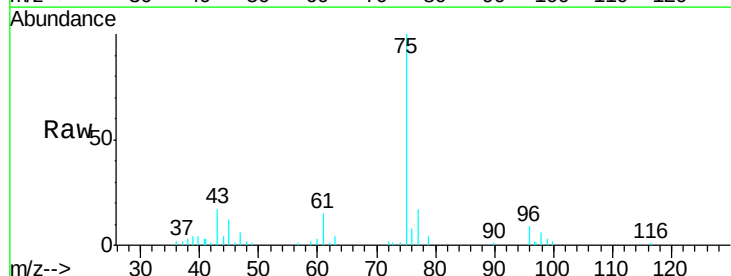
RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD063881.D

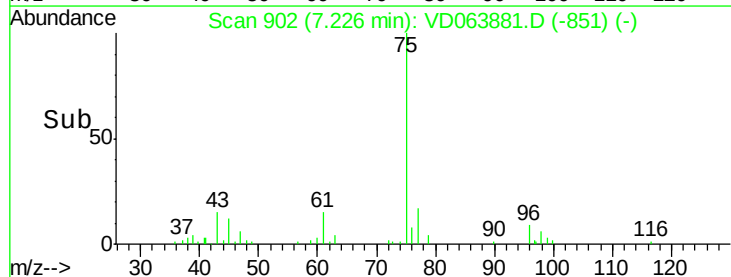
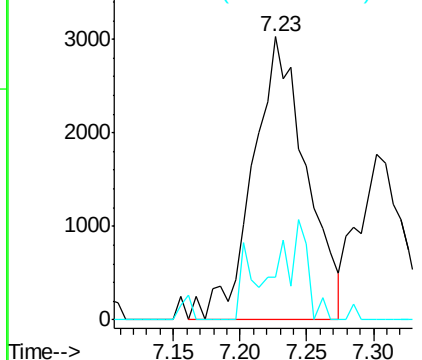
Acq: 03 Oct 2019 17:48

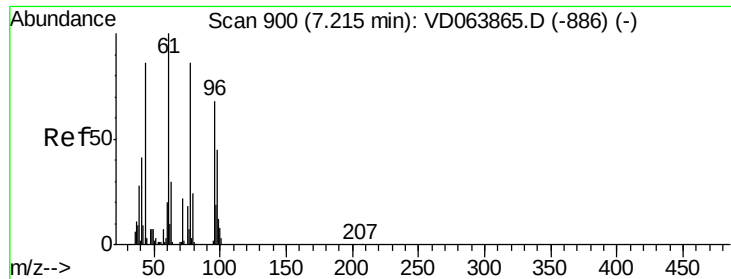
Tgt Ion:	43	Resp:	8372
Ion	Ratio	Lower	Upper
43	100		
72	14.9	19.2	28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

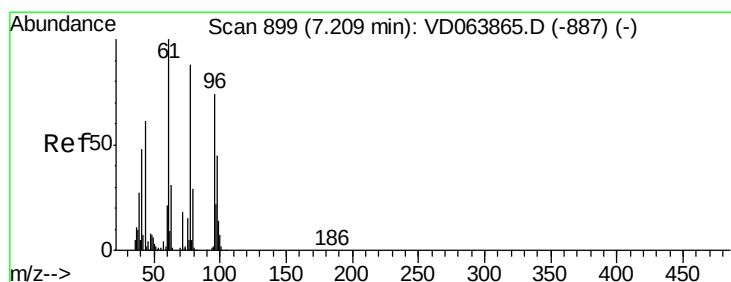
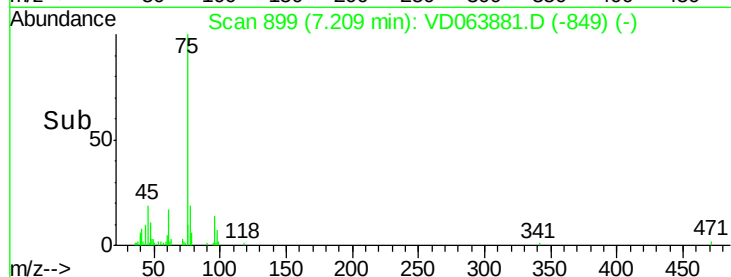
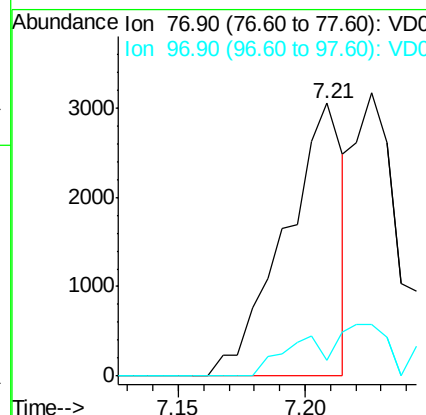
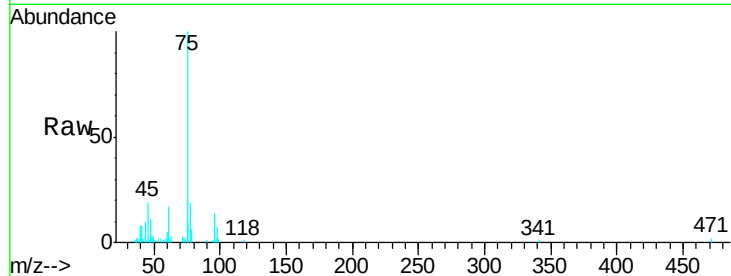




#26
 2,2-Dichloropropane
 Concen: 1.680 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

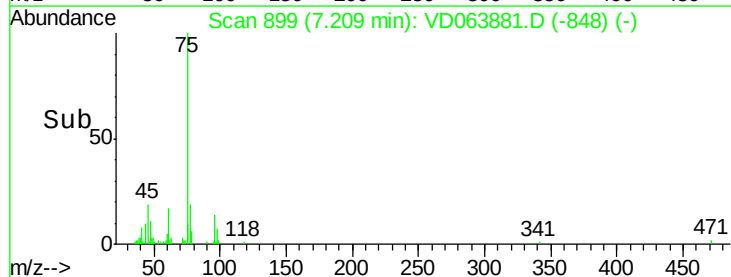
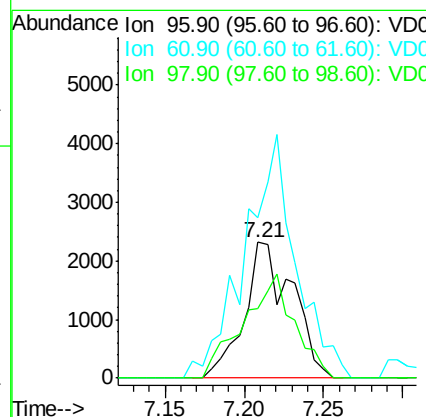
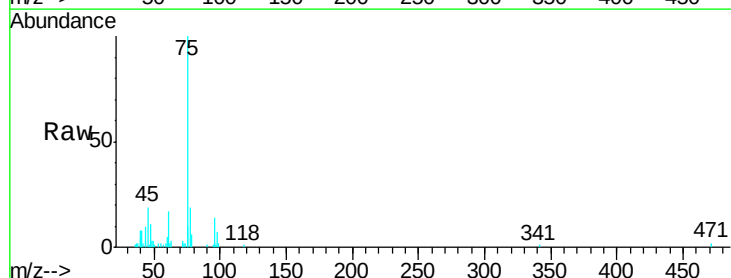
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

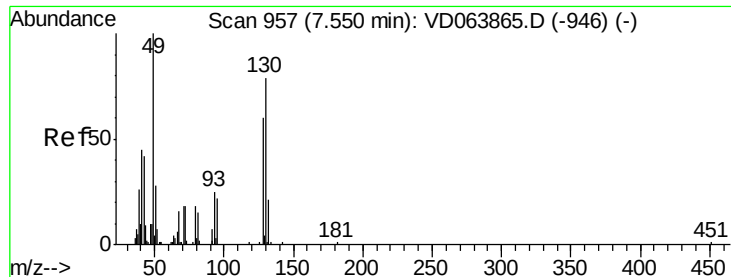
Tgt Ion: 77 Resp: 4878
 Ion Ratio Lower Upper
 77 100
 97 10.7 11.4 34.1#



#27
 cis-1,2-Dichloroethene
 Concen: 2.235 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 96 Resp: 4832
 Ion Ratio Lower Upper
 96 100
 61 193.2 0.0 280.0
 98 82.2 0.0 130.4

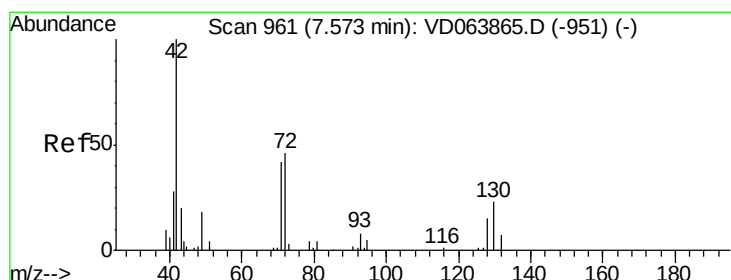
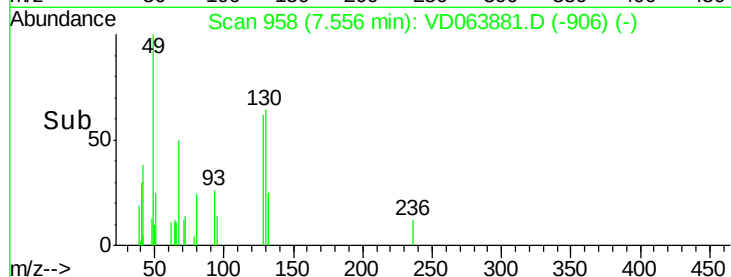
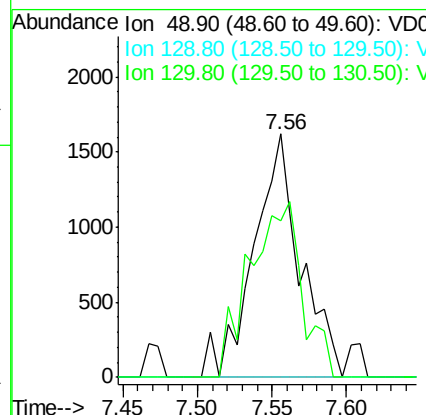
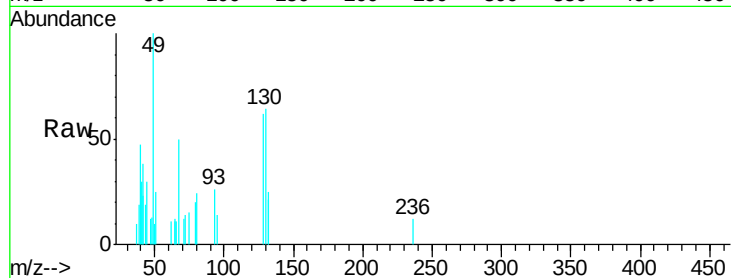




#28
Bromochloromethane
Concen: 4.630 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

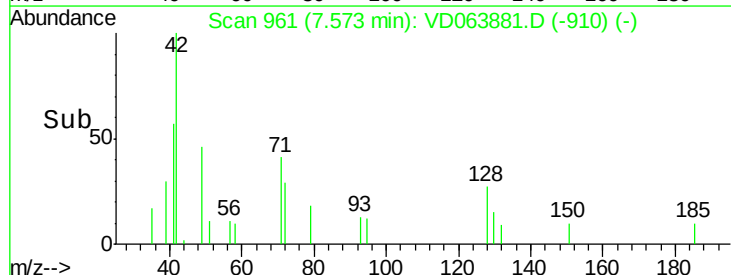
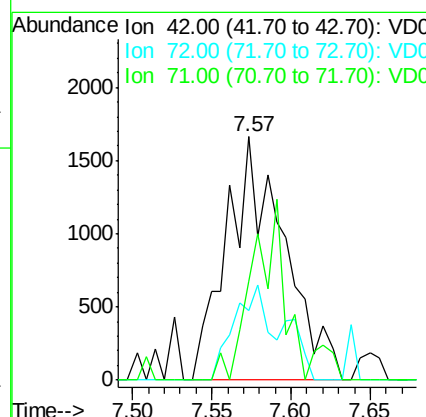
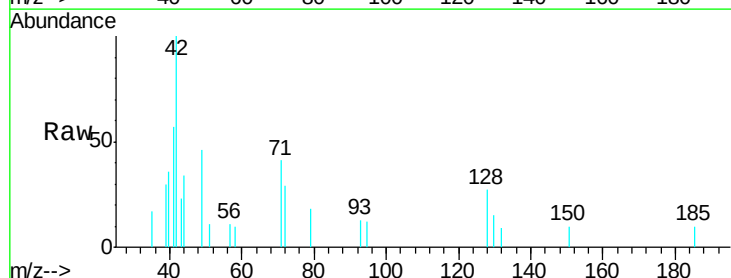
Instrument :
MSVOA_D
ClientSampleId :
MDL07

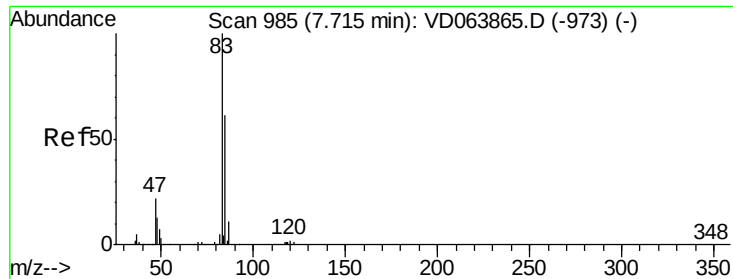
Tgt Ion: 49 Resp: 3506
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 81.2 66.8 100.2



#29
Tetrahydrofuran
Concen: 13.070 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 42 Resp: 4196
Ion Ratio Lower Upper
42 100
72 23.5 37.6 56.4#
71 40.7 35.0 52.6

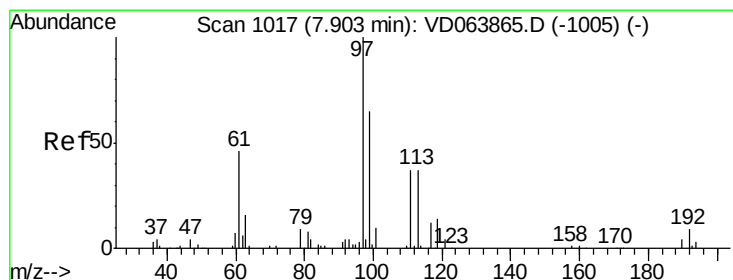
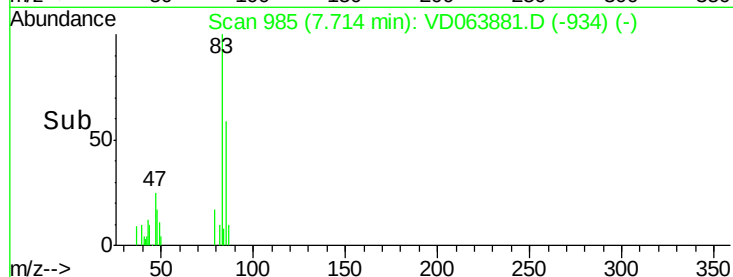
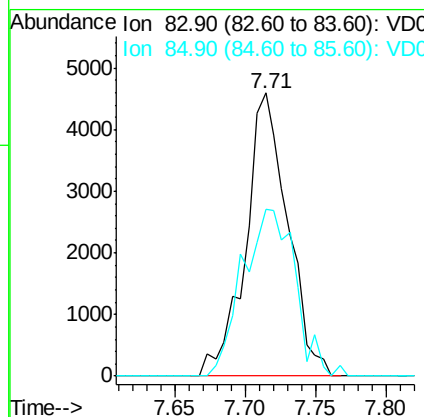
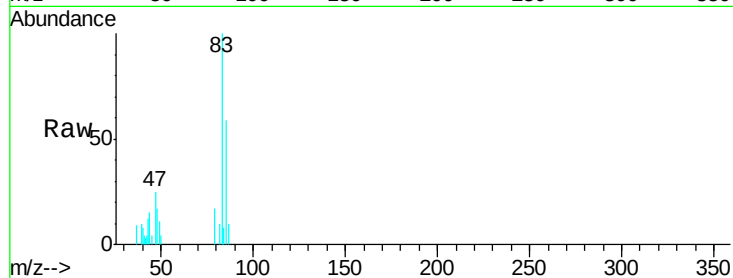




#30
Chloroform
Concen: 2.755 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

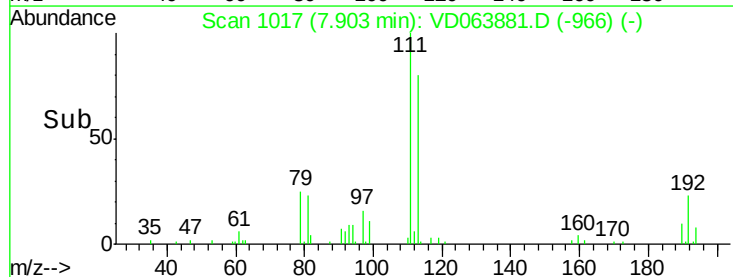
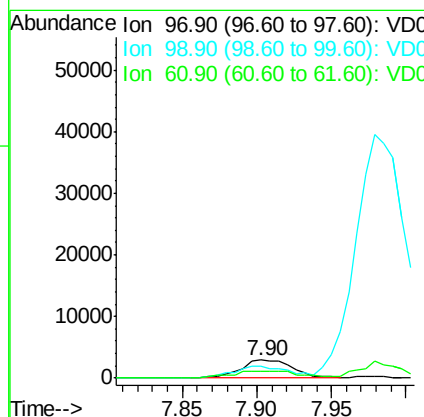
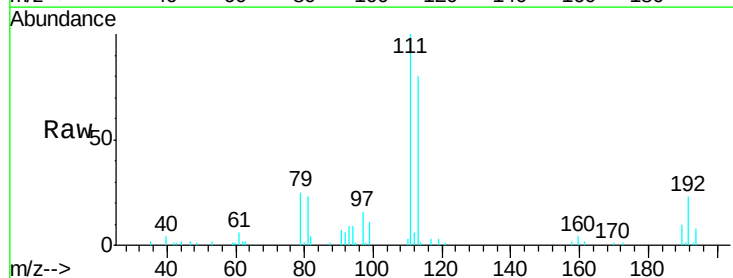
Instrument :
MSVOA_D
ClientSampleId :
MDL07

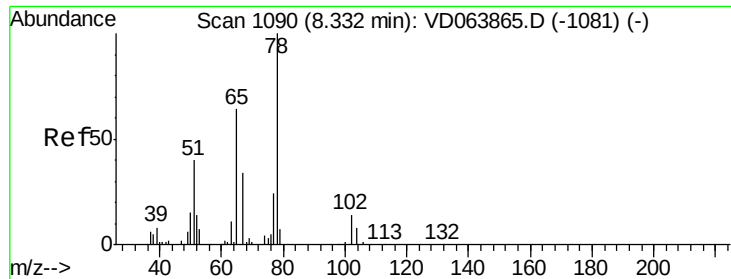
Tgt Ion: 83 Resp: 9604
Ion Ratio Lower Upper
83 100
85 59.0 48.9 73.3



#32
1,1,1-Trichloroethane
Concen: 2.373 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 97 Resp: 7096
Ion Ratio Lower Upper
97 100
99 64.7 52.4 78.6
61 49.9 33.8 50.8

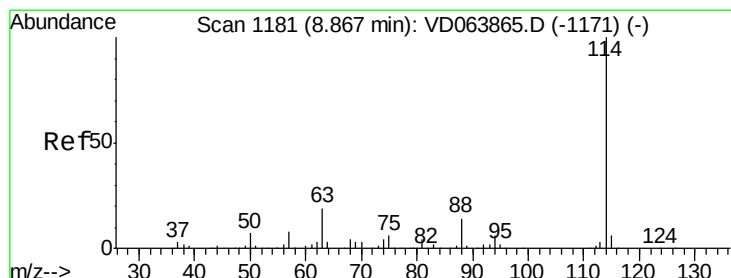
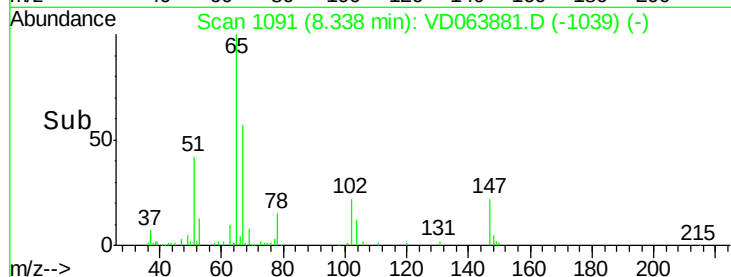
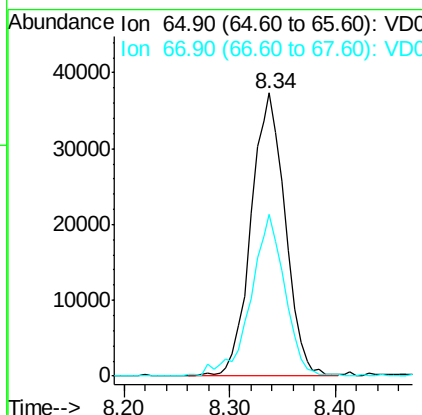
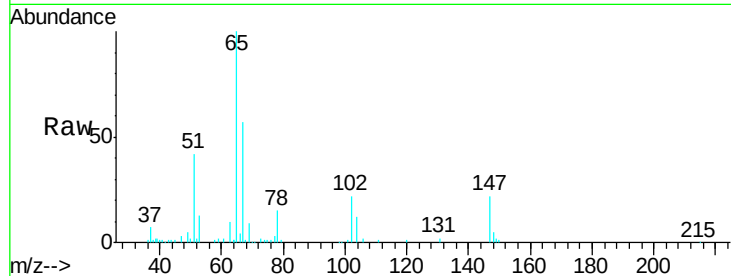




#33
 1,2-Dichloroethane-d4
 Concen: 46.934 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

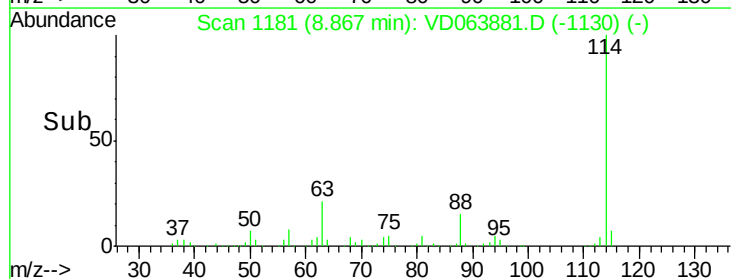
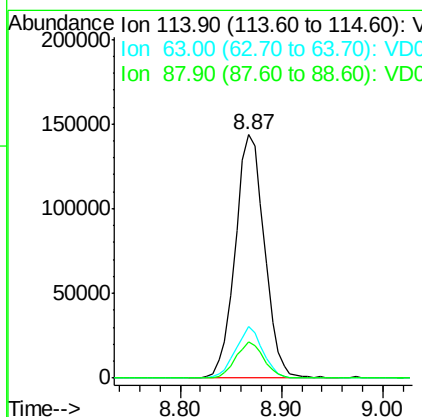
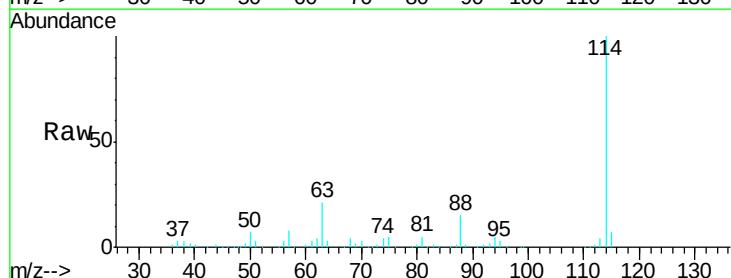
Instrument :
 MSVOA_D
 ClientSampled :
 MDL07

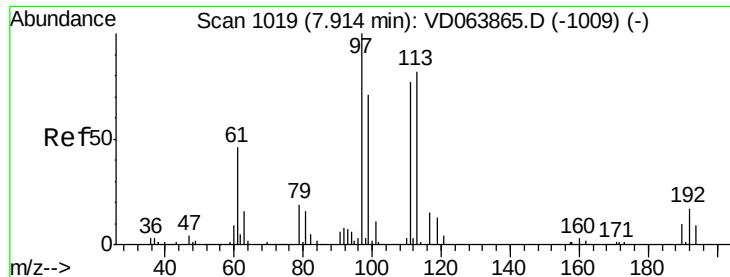
Tgt Ion: 65 Resp: 83663
 Ion Ratio Lower Upper
 65 100
 67 57.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 114 Resp: 287556
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 38.4
 88 15.1 0.0 27.4

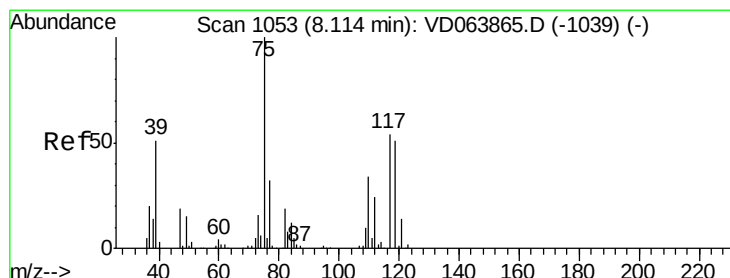
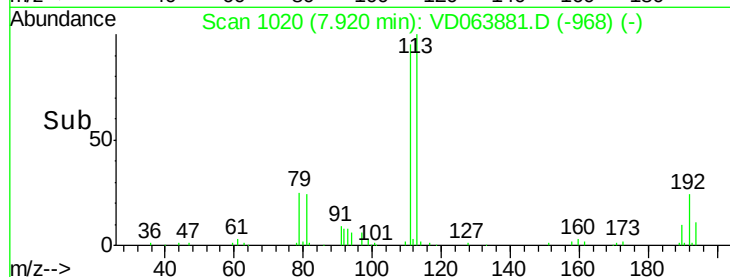
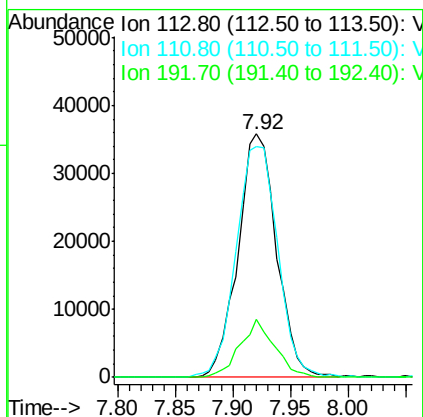
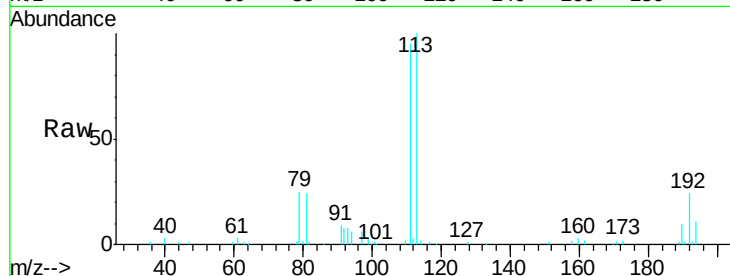




#35
 Dibromofluoromethane
 Concen: 47.395 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

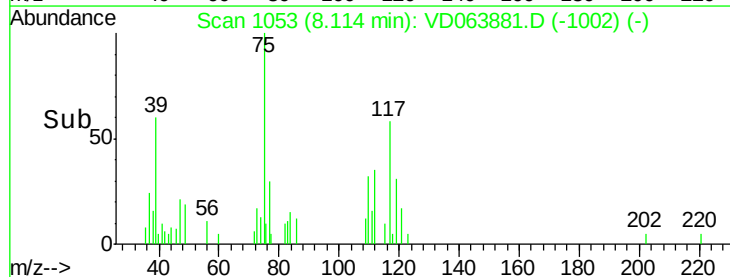
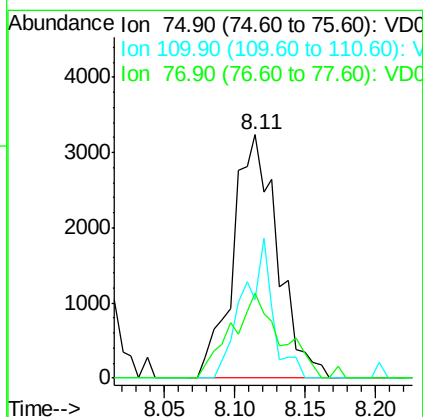
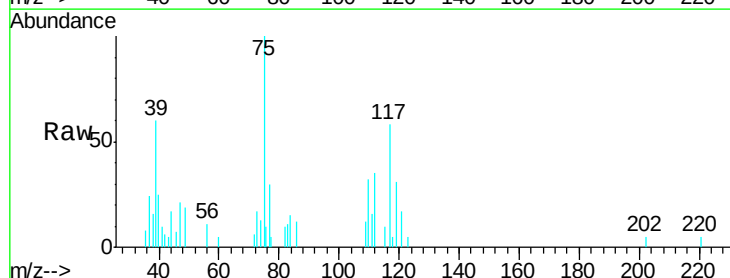
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

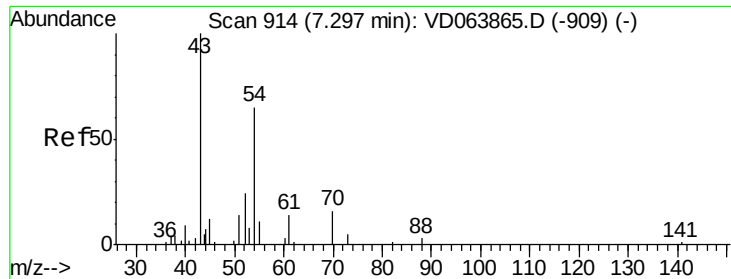
Tgt Ion: 113 Resp: 83289
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 2.708 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 75 Resp: 7120
 Ion Ratio Lower Upper
 75 100
 110 38.1 17.4 52.3
 77 38.9 25.4 38.0#

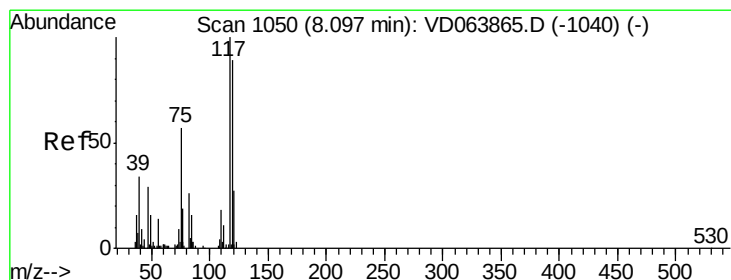
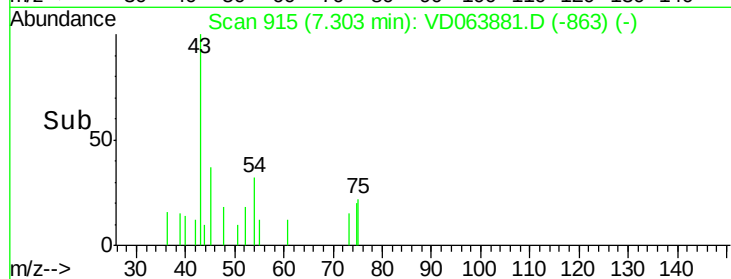
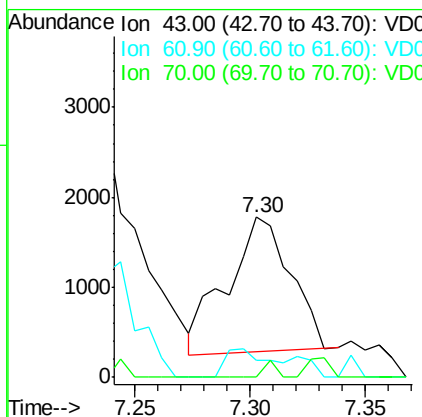
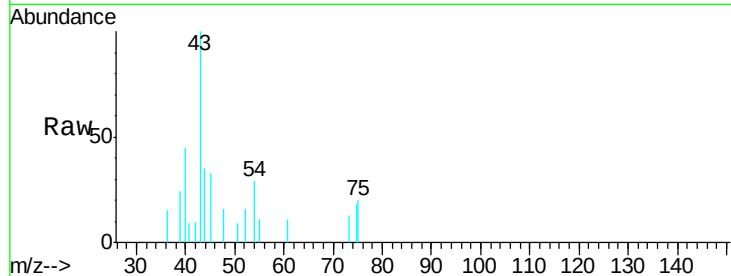




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

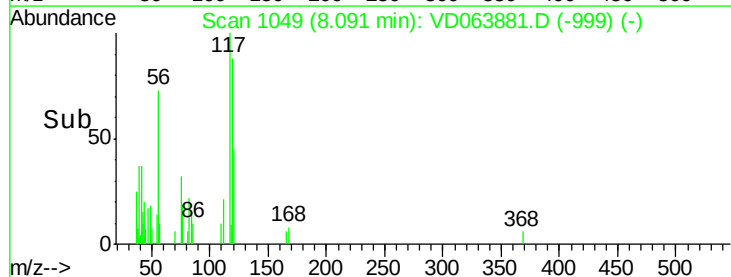
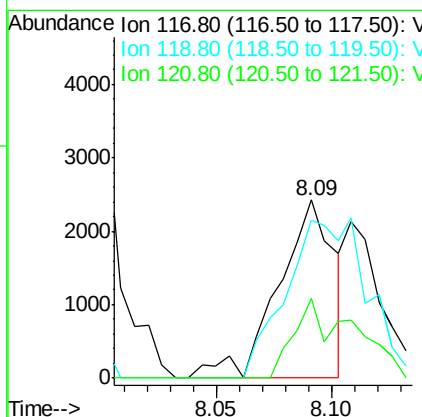
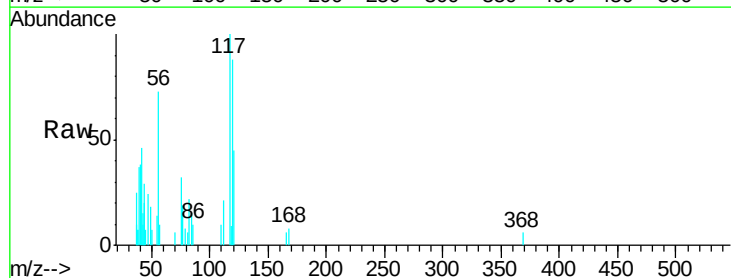
Instrument :
MSVOA_D
ClientSampleId :
MDL07

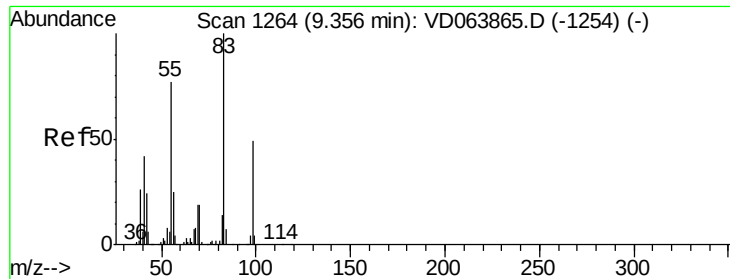
Tgt Ion: 43 Resp: 2877
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 2.4 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 1.522 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 117 Resp: 4044
Ion Ratio Lower Upper
117 100
119 88.3 70.8 106.2
121 44.8 21.4 32.0#

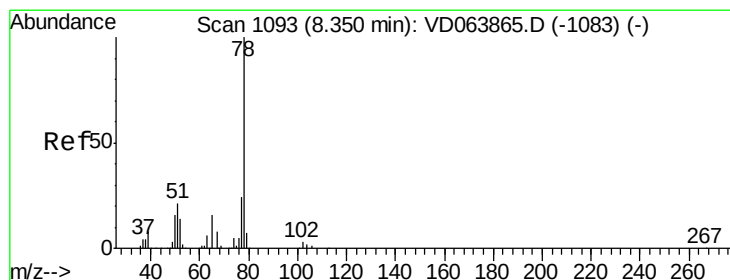
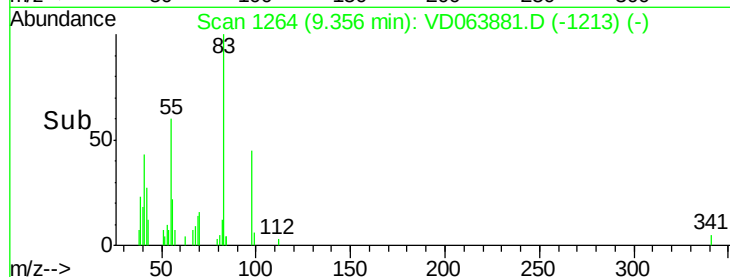
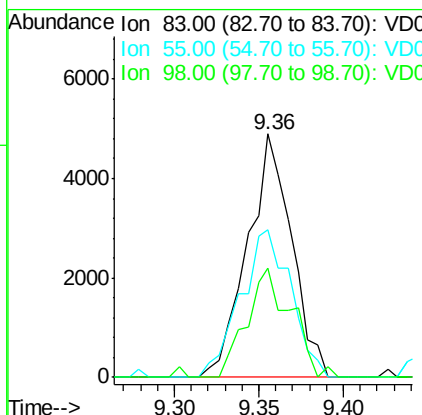
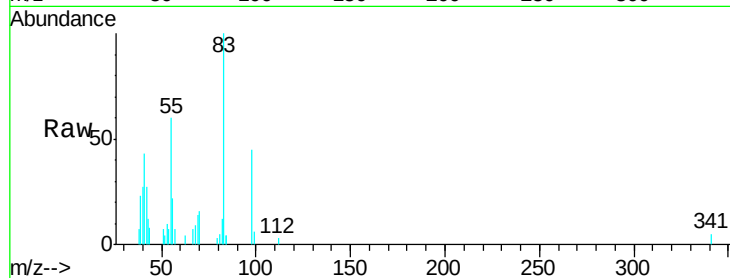




#39
Methylcyclohexane
Concen: 2.752 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

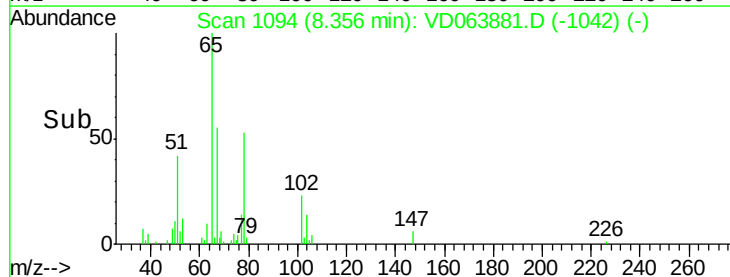
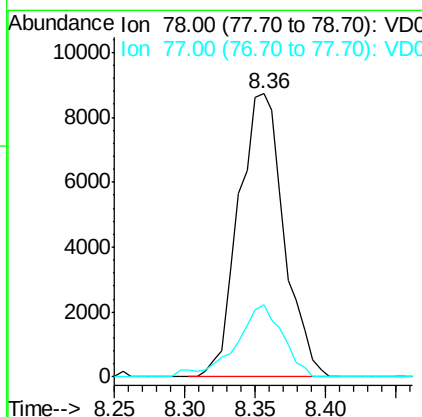
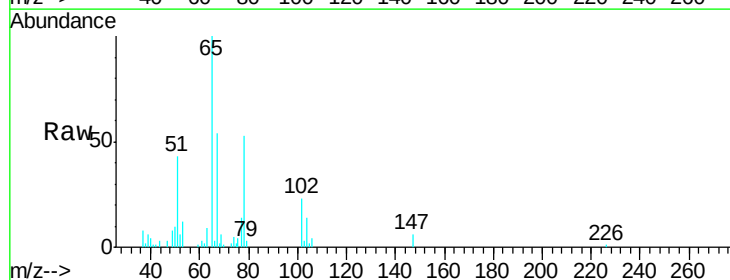
Instrument :
MSVOA_D
ClientSampleId :
MDL07

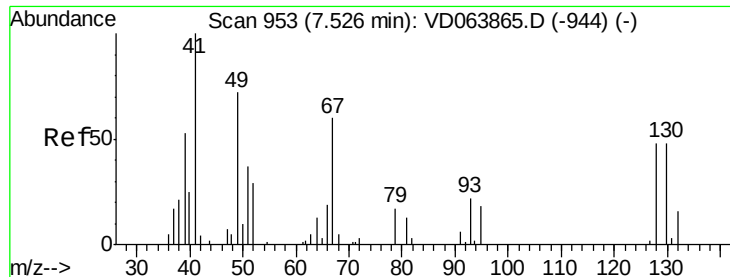
Tgt Ion: 83 Resp: 8895
Ion Ratio Lower Upper
83 100
55 60.4 61.3 91.9#
98 44.8 39.3 58.9



#40
Benzene
Concen: 2.607 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 78 Resp: 19643
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.6

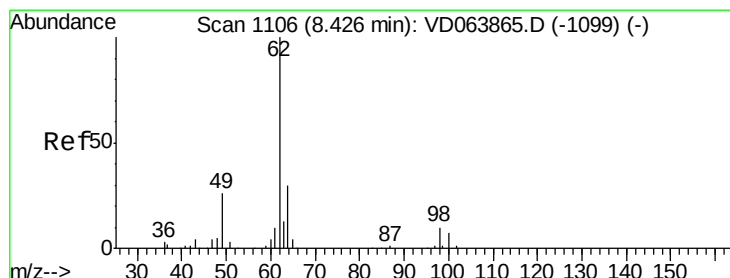
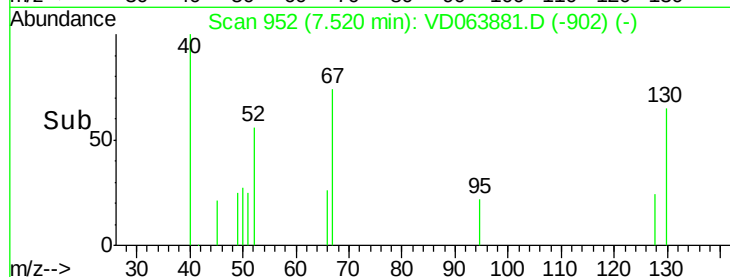
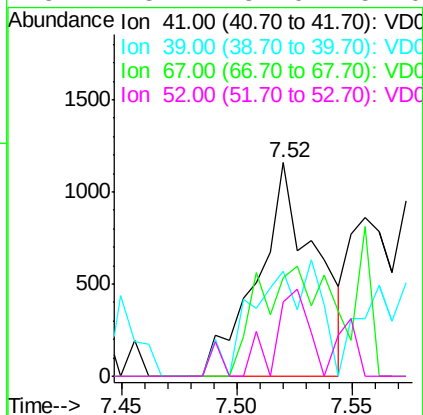
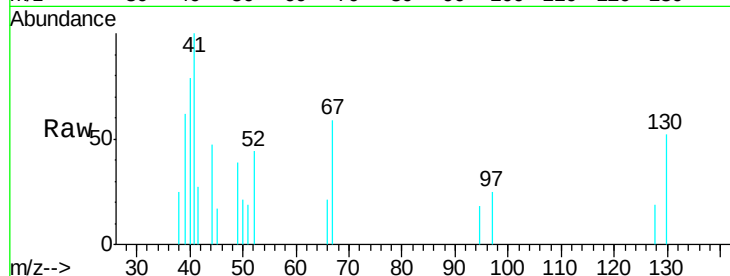




#41
Methacrylonitrile
Concen: 3.306 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

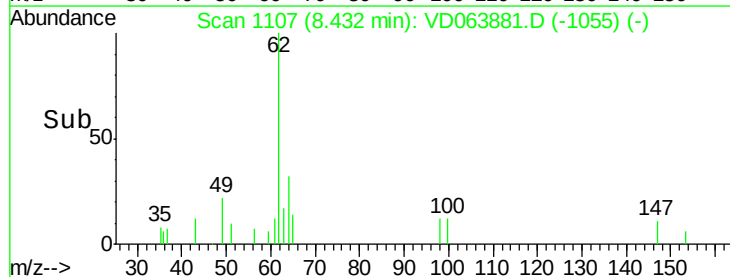
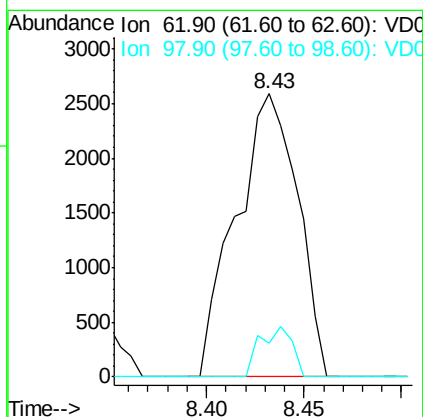
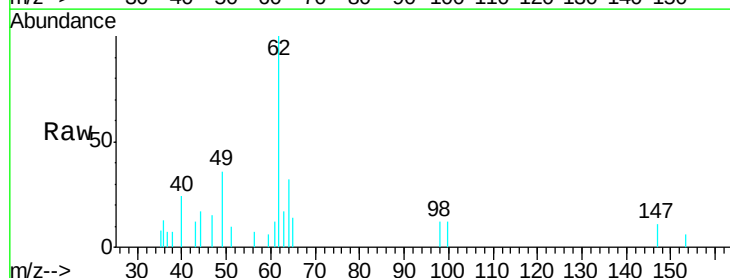
Instrument :
MSVOA_D
ClientSampleId :
MDL07

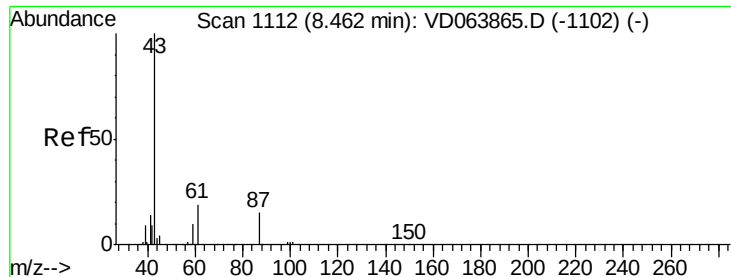
Tgt Ion: 41 Resp: 2015
Ion Ratio Lower Upper
41 100
39 59.8 52.6 78.8
67 65.3 74.2 111.2#
52 23.7 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 2.604 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 62 Resp: 5675
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 2.854 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

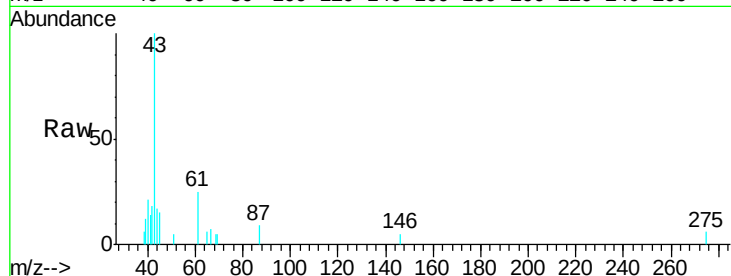
MSVOA_D

ClientSampleId :

MDL07

Tgt Ion: 43 Resp: 6292

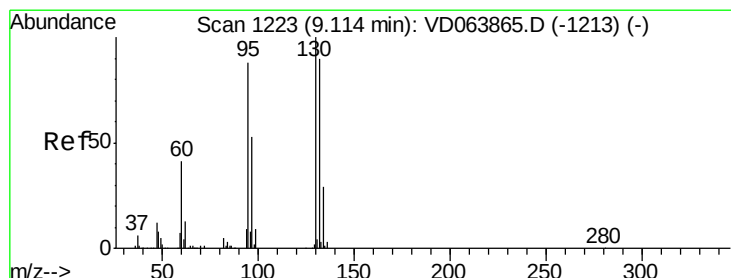
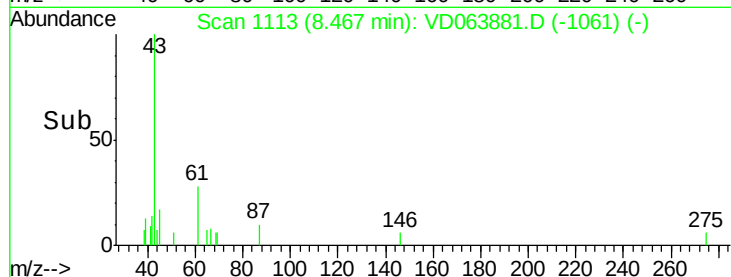
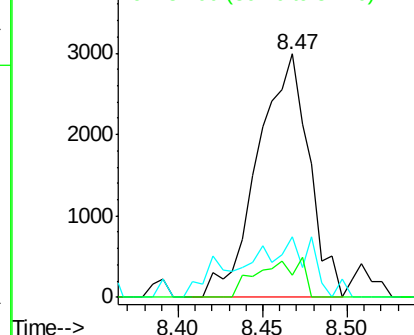
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.7	38.5#
87	13.6	11.6	17.4



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: 2.559 ug/l

RT: 9.12 min Scan# 1224

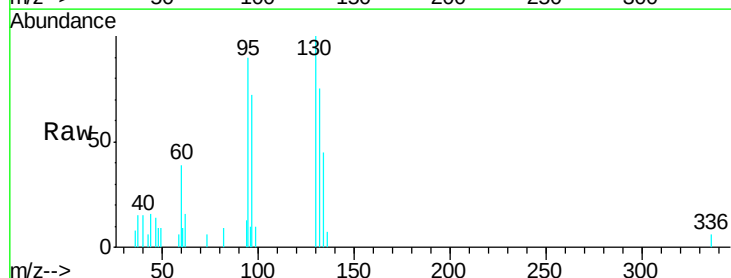
Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

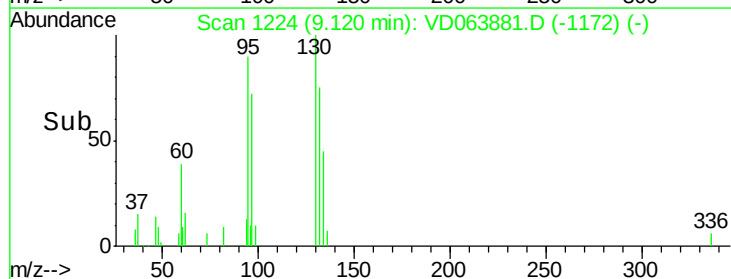
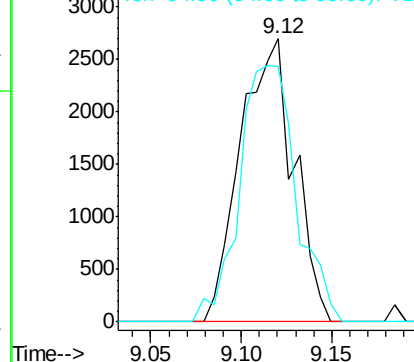
Tgt Ion: 130 Resp: 5559

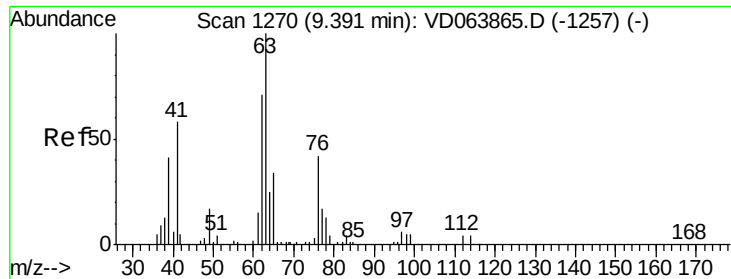
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

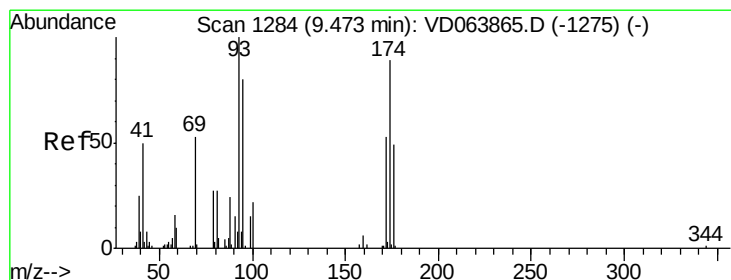
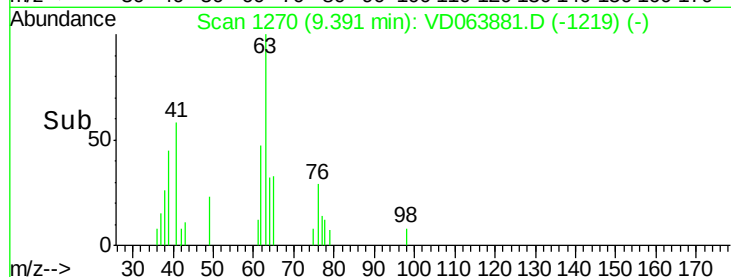
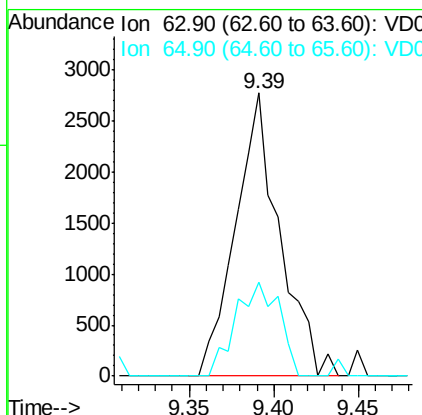
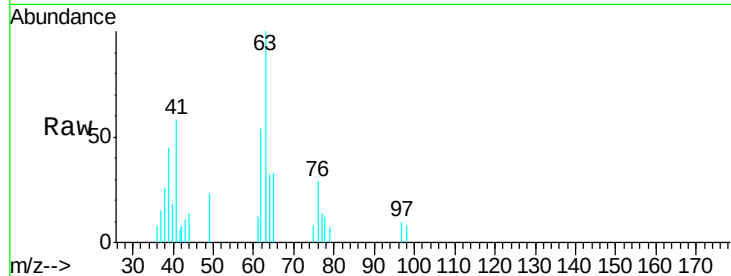




#45
 1,2-Dichloropropane
 Concen: 2.718 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

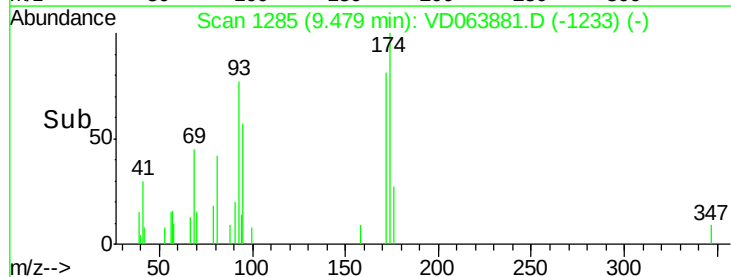
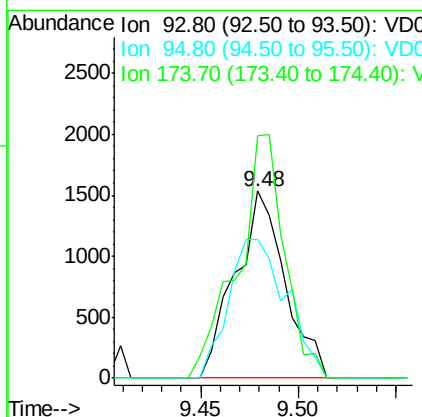
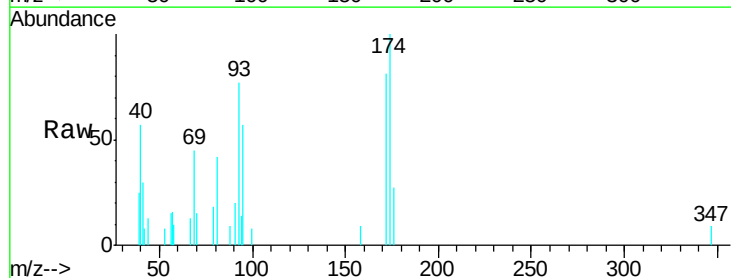
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

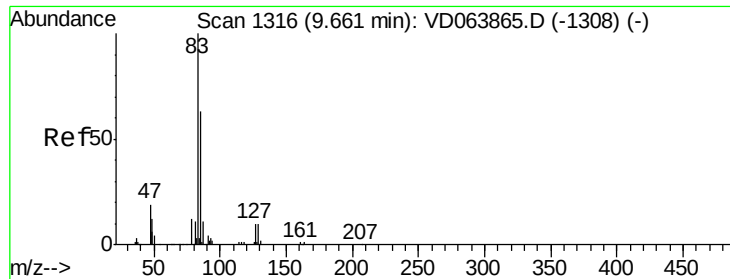
Tgt Ion: 63 Resp: 5012
 Ion Ratio Lower Upper
 63 100
 65 33.3 27.3 40.9



#46
 Dibromomethane
 Concen: 2.577 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 93 Resp: 2707
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.0 99.0
 174 122.6 83.4 125.0





#47

Bromodichloromethane

Concen: 2.251 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

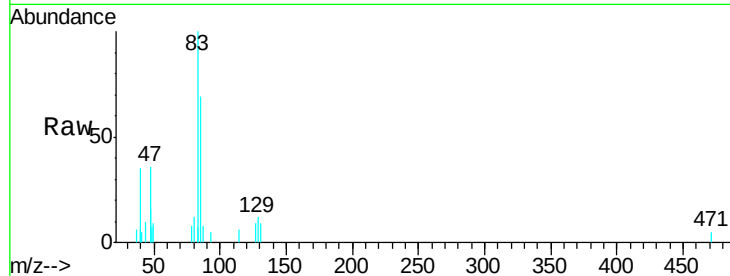
Tgt Ion: 83 Resp: 6086

Ion Ratio Lower Upper

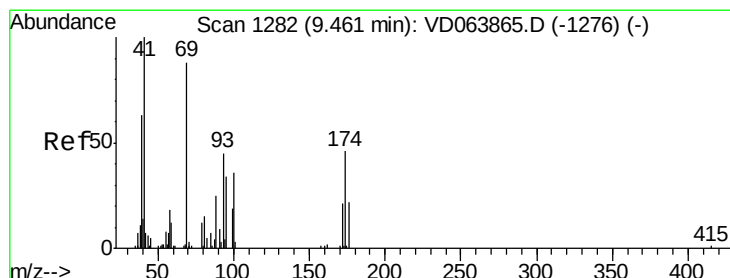
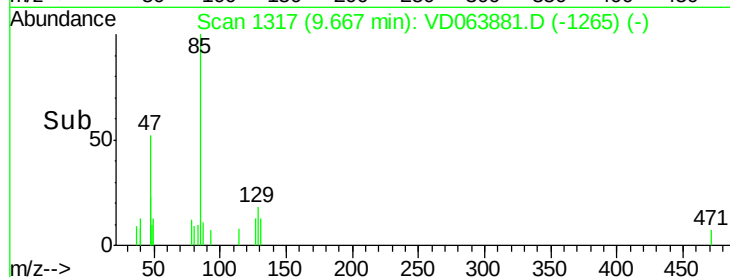
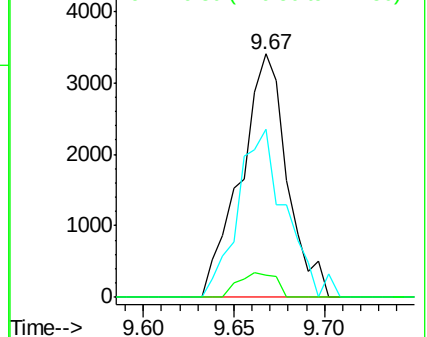
83 100

85 68.8 50.2 75.2

127 9.1 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 3.278 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

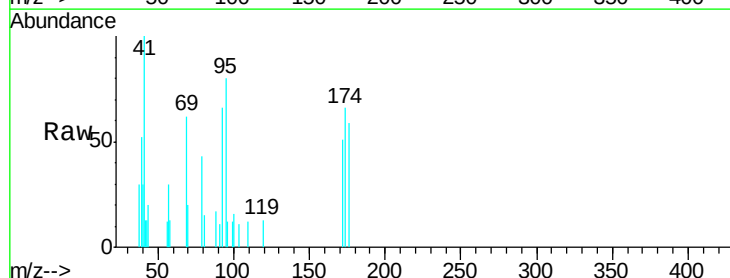
Tgt Ion: 41 Resp: 3463

Ion Ratio Lower Upper

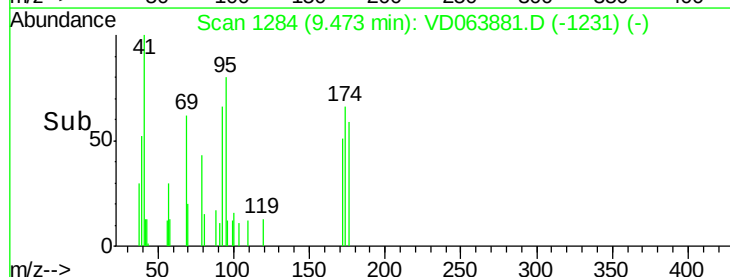
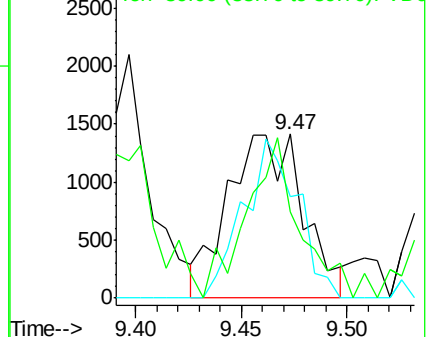
41 100

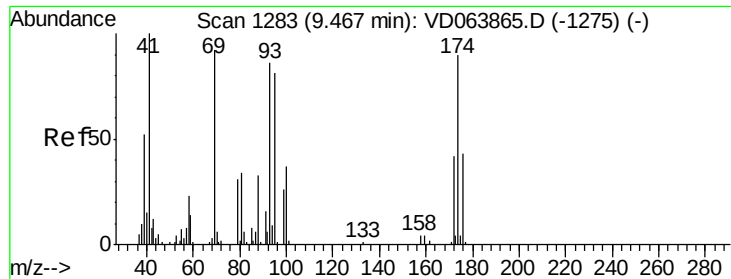
69 70.4 75.1 112.7#

39 68.9 50.2 75.2



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





#49

1,4-Dioxane

Concen: 33.063 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleID :

MDL07

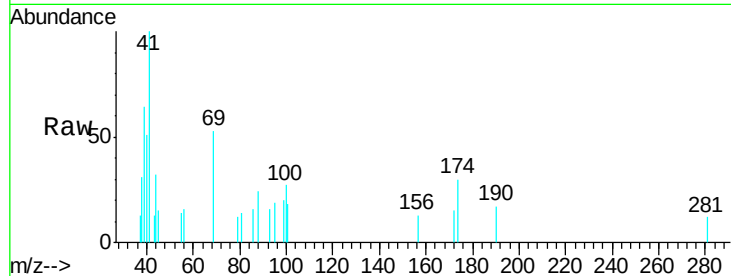
Tgt Ion: 88 Resp: 474

Ion Ratio Lower Upper

88 100

43 85.7 27.6 41.4#

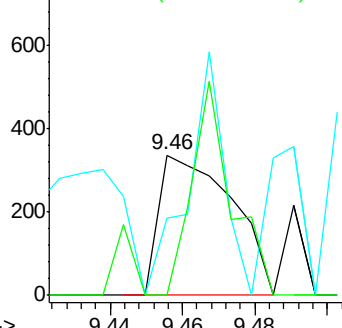
58 81.4 54.1 81.1#



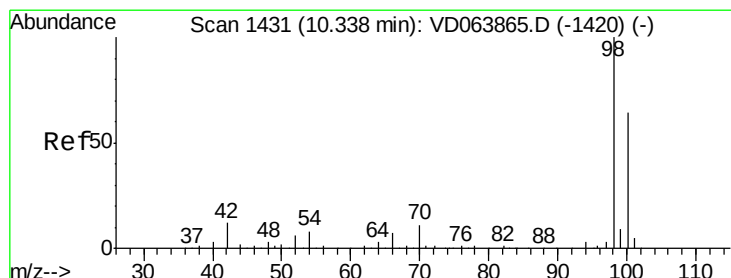
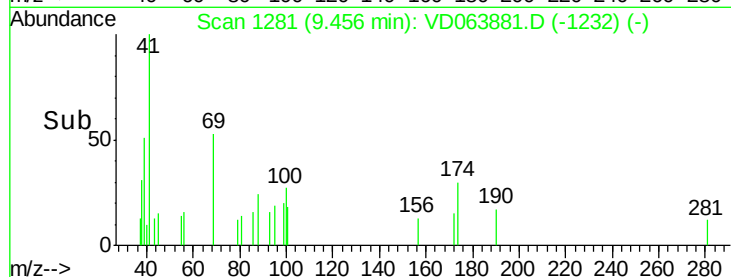
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#50

Toluene-d8

Concen: 49.429 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063881.D

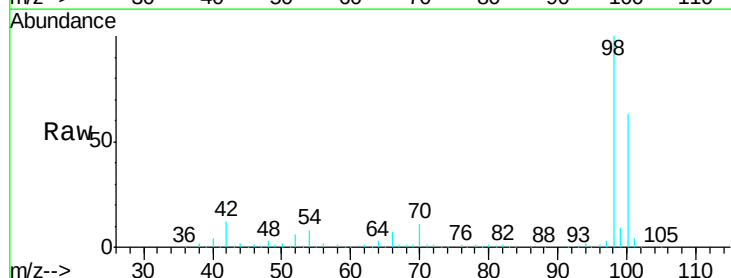
Acq: 03 Oct 2019 17:48

Tgt Ion: 98 Resp: 352564

Ion Ratio Lower Upper

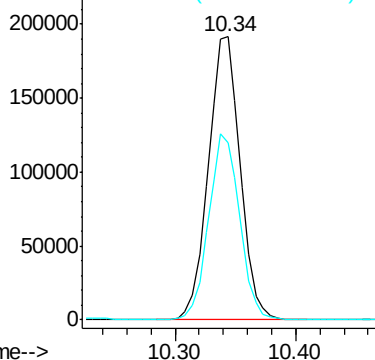
98 100

100 63.9 52.1 78.1

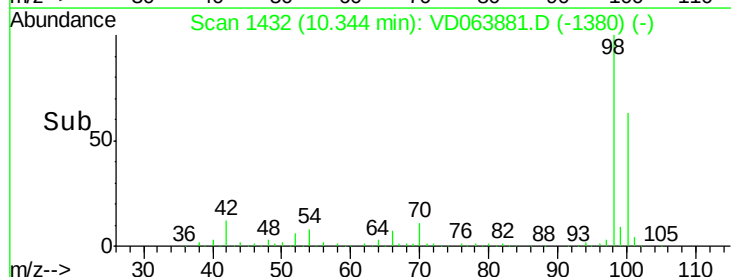


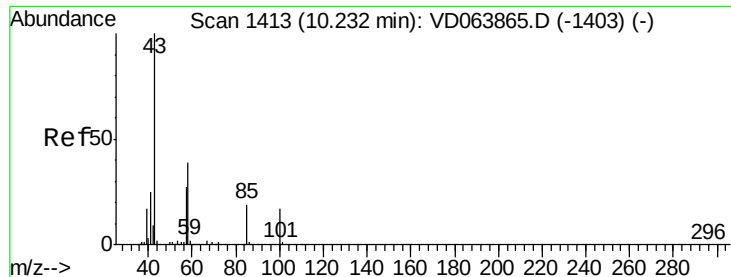
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->

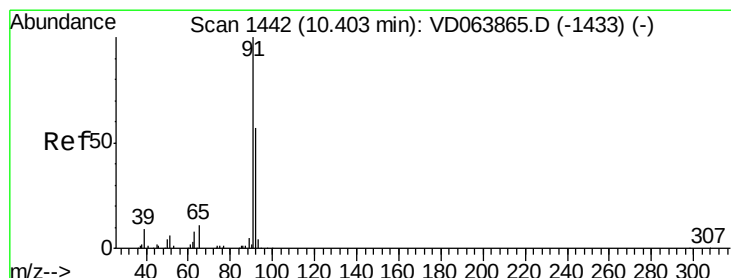
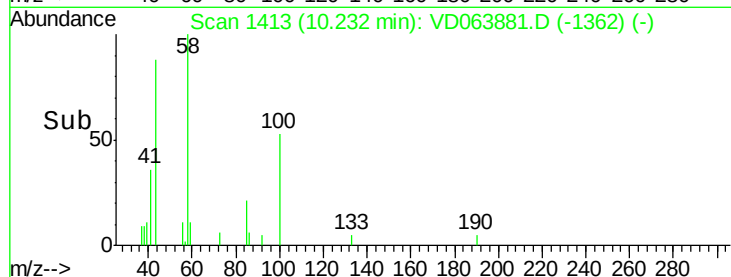
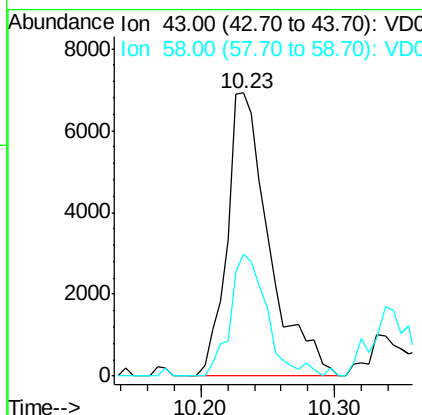
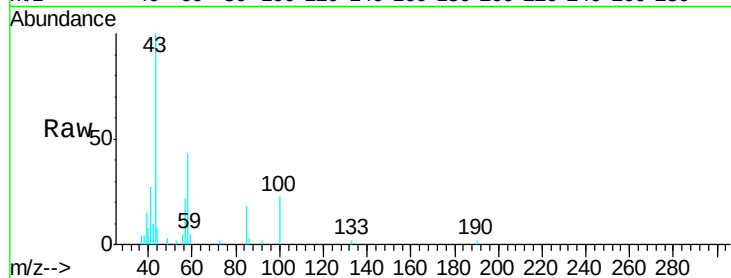




#51
 4-Methyl-2-Pentanone
 Concen: 13.299 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

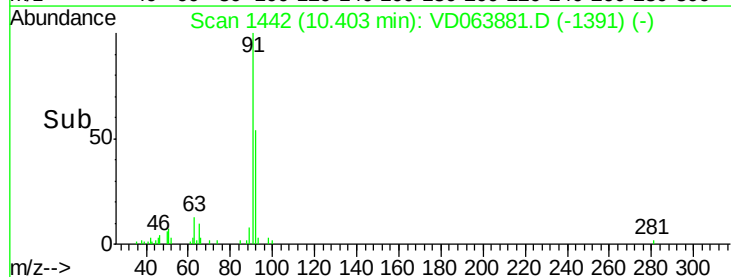
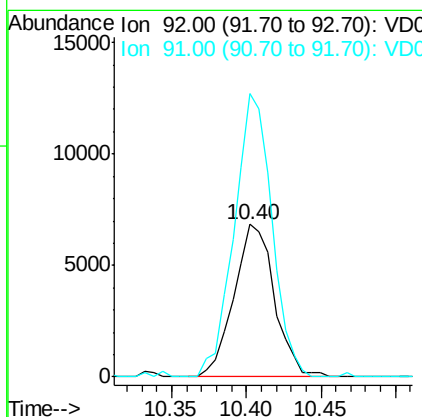
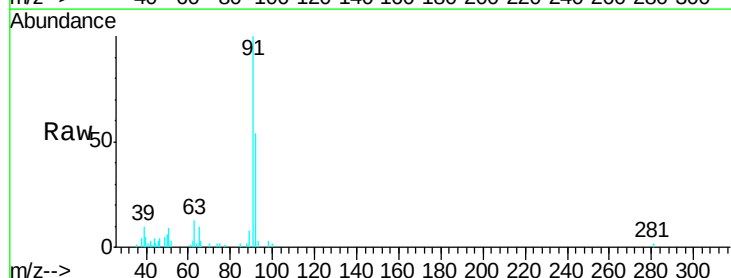
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

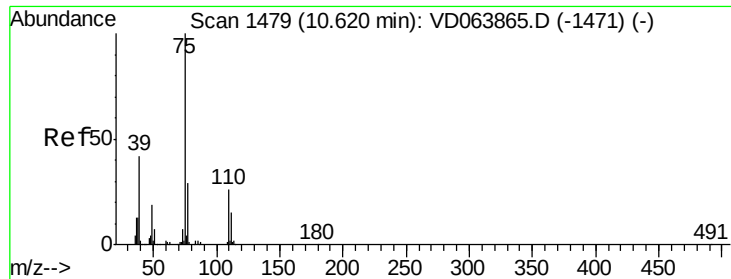
Tgt Ion: 43 Resp: 15208
 Ion Ratio Lower Upper
 43 100
 58 37.3 33.0 49.4



#52
 Toluene
 Concen: 2.490 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 92 Resp: 12881
 Ion Ratio Lower Upper
 92 100
 91 173.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 2.544 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

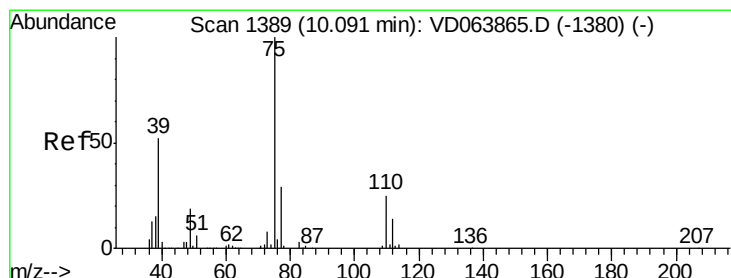
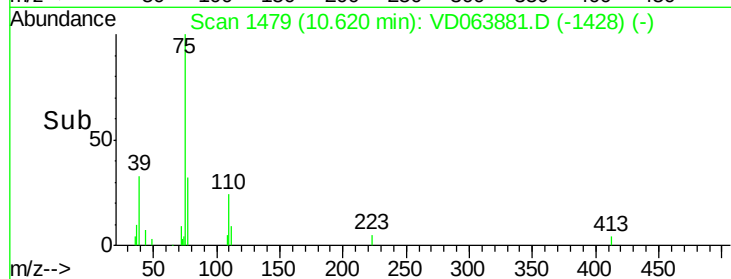
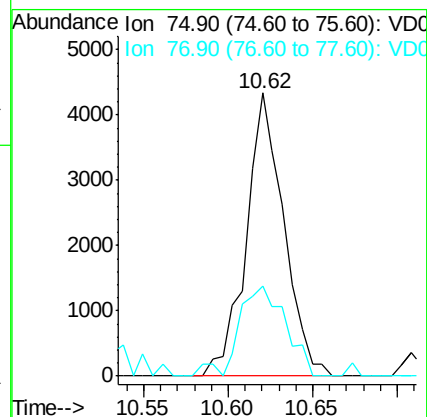
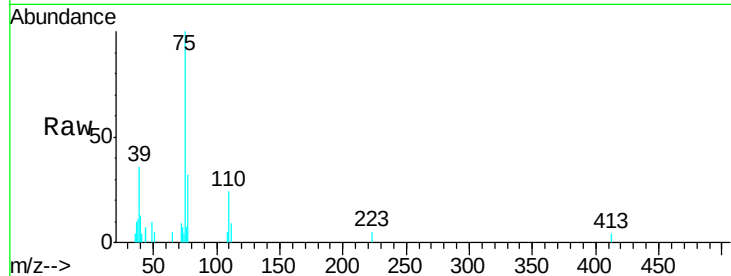
MDL07

Tgt Ion: 75 Resp: 6713

Ion Ratio Lower Upper

75 100

77 31.7 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 2.611 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

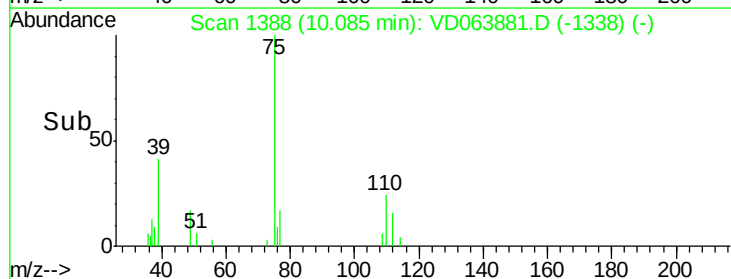
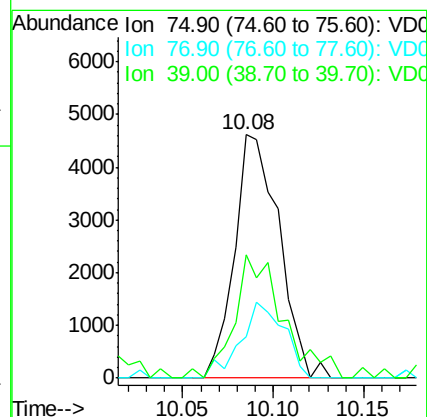
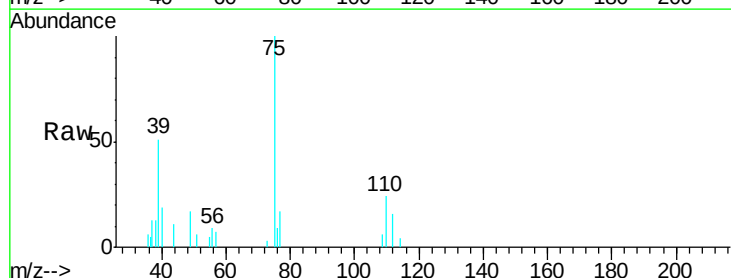
Tgt Ion: 75 Resp: 7930

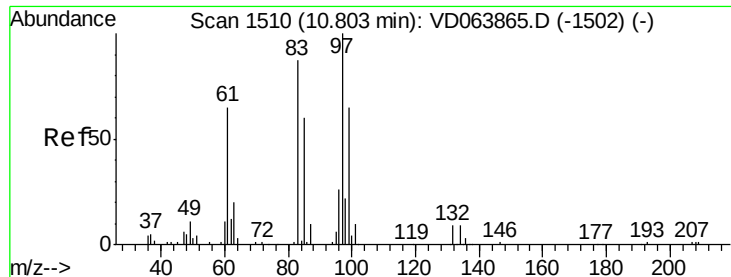
Ion Ratio Lower Upper

75 100

77 17.1 23.2 34.8#

39 50.7 41.5 62.3

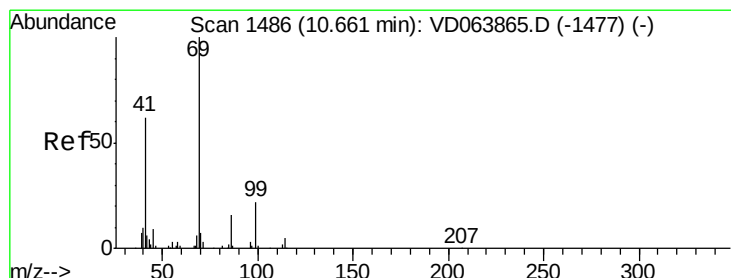
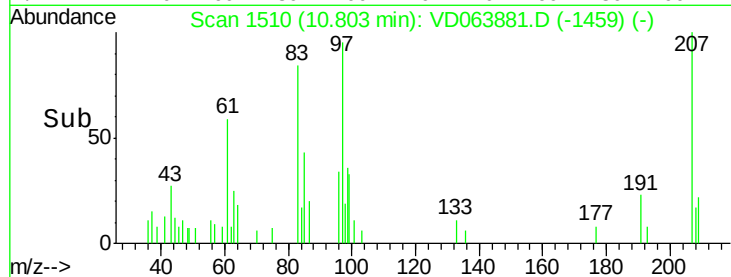
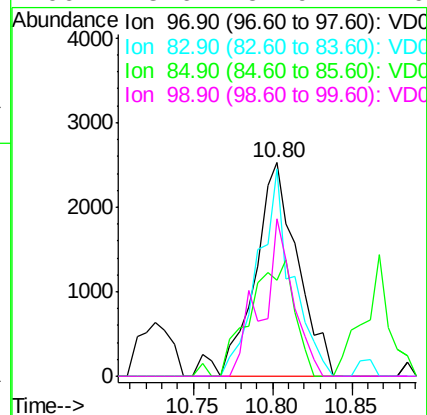
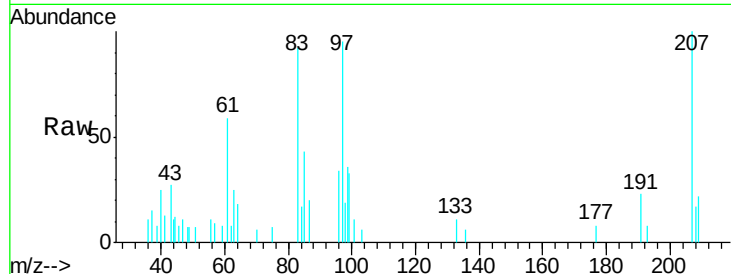




#55
 1,1,2-Trichloroethane
 Concen: 3.231 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

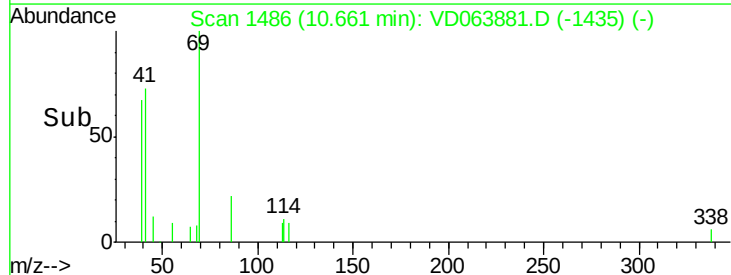
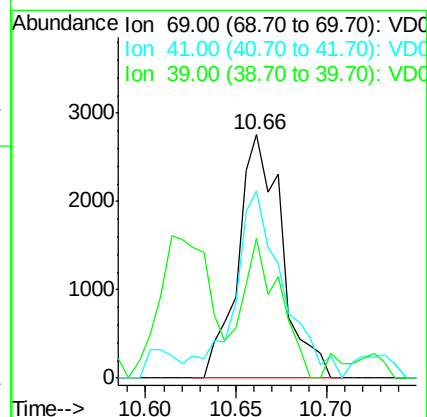
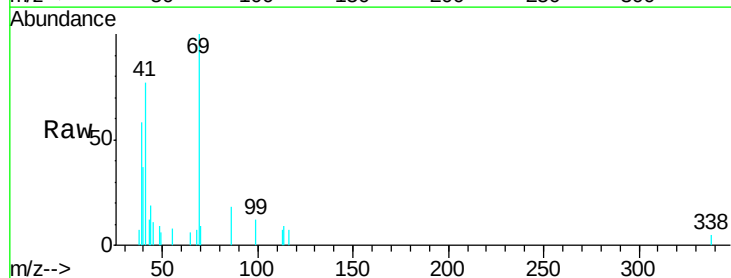
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

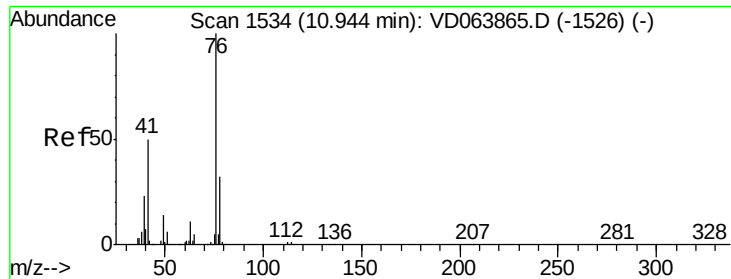
Tgt Ion: 97 Resp: 4792
 Ion Ratio Lower Upper
 97 100
 83 96.9 69.7 104.5
 85 45.2 48.1 72.1#
 99 73.6 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 2.494 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 69 Resp: 4684
 Ion Ratio Lower Upper
 69 100
 41 84.1 51.3 76.9#
 39 47.6 28.0 42.0#

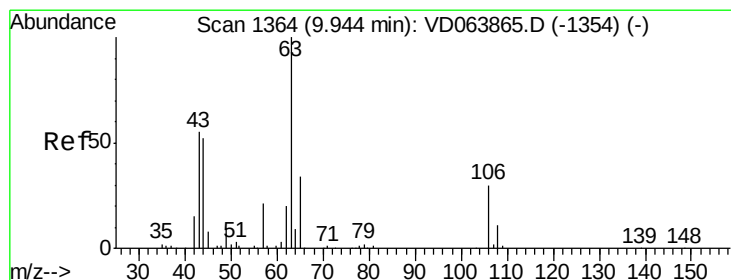
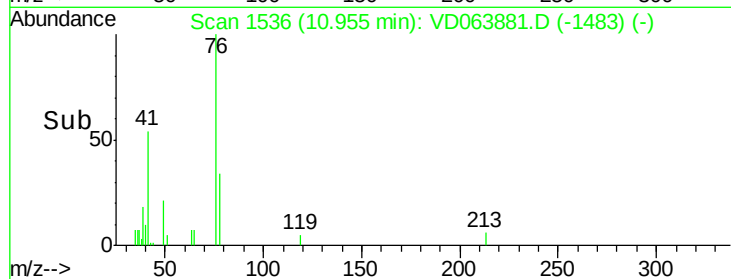
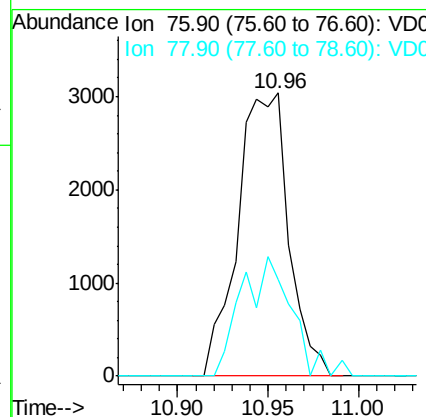
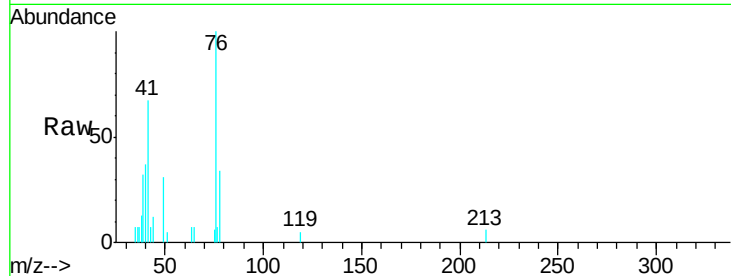




#57
 1,3-Dichloropropane
 Concen: 2.343 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

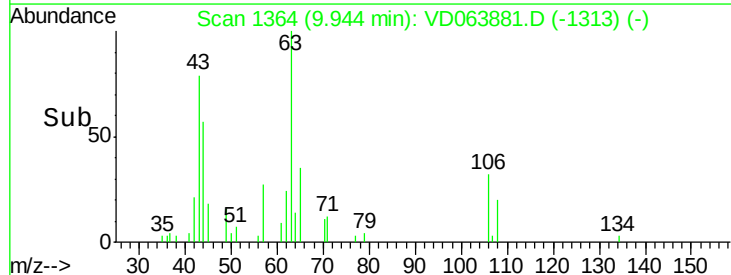
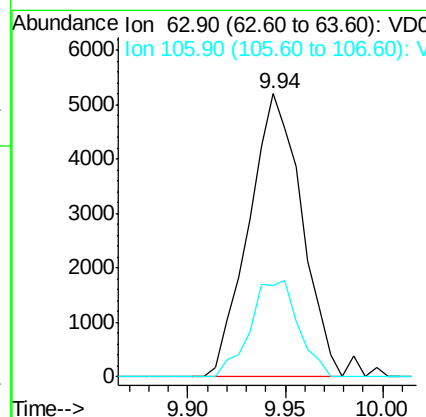
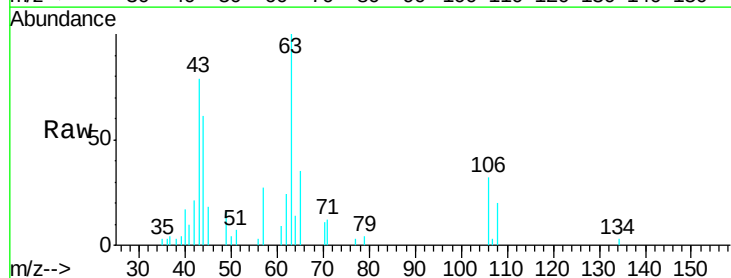
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

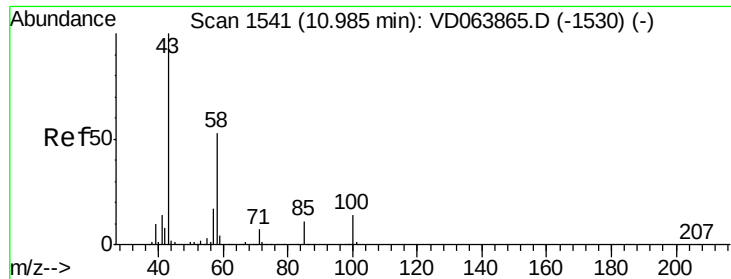
Tgt Ion: 76 Resp: 5946
 Ion Ratio Lower Upper
 76 100
 78 41.9 26.6 40.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.085 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 63 Resp: 9755
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.3 36.5

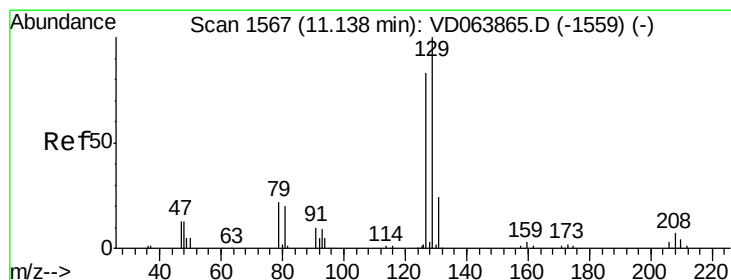
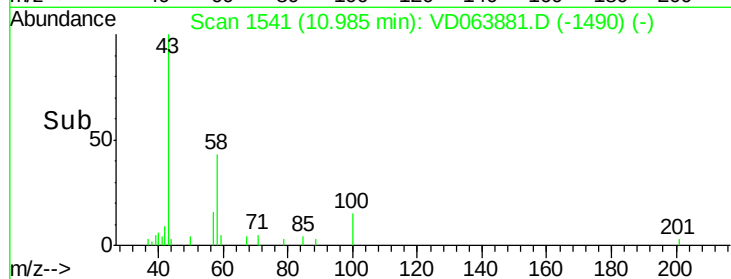
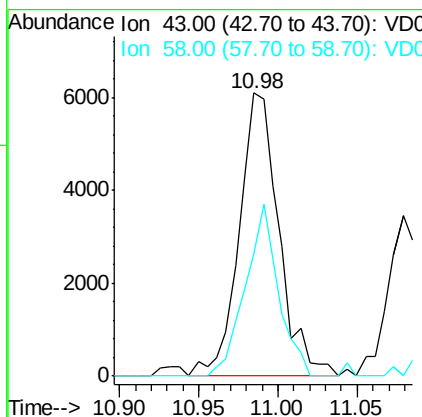
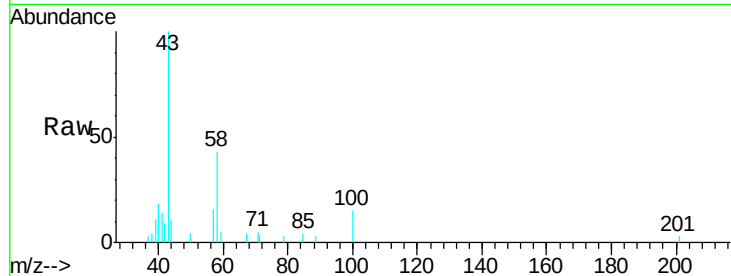




#59
2-Hexanone
Concen: 12.852 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

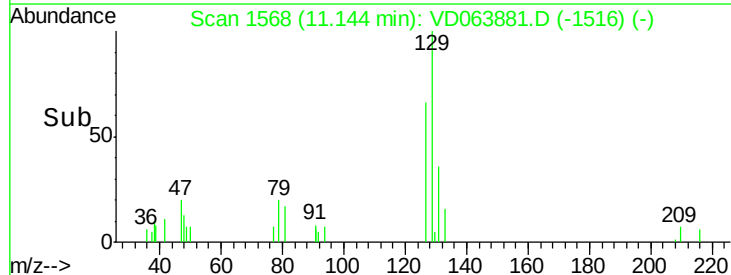
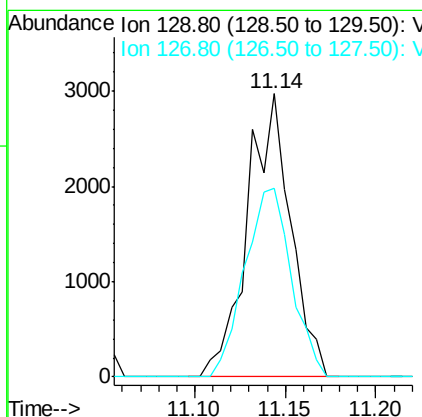
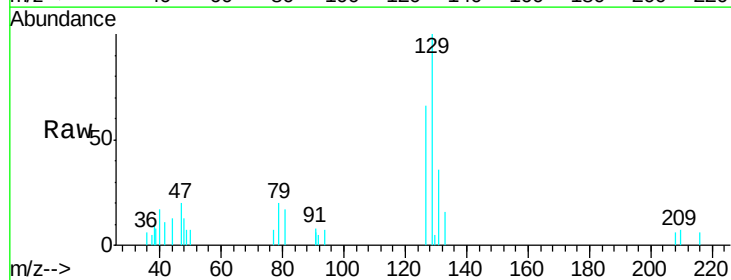
Instrument :
MSVOA_D
ClientSampleId :
MDL07

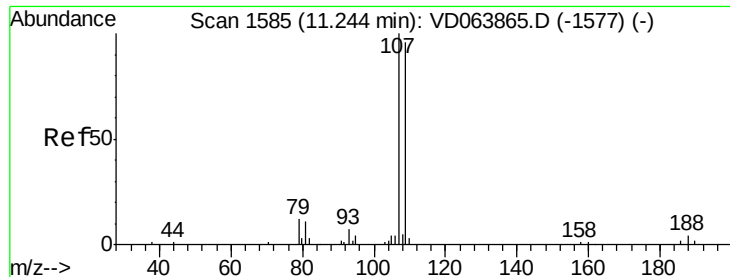
Tgt Ion: 43 Resp: 10631
Ion Ratio Lower Upper
43 100
58 50.3 27.7 83.0



#60
Dibromochloromethane
Concen: 2.561 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 129 Resp: 4944
Ion Ratio Lower Upper
129 100
127 71.6 39.9 119.6

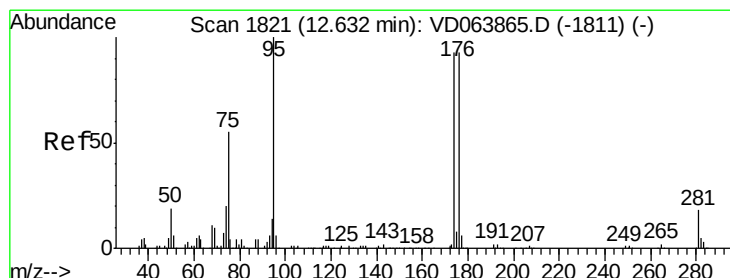
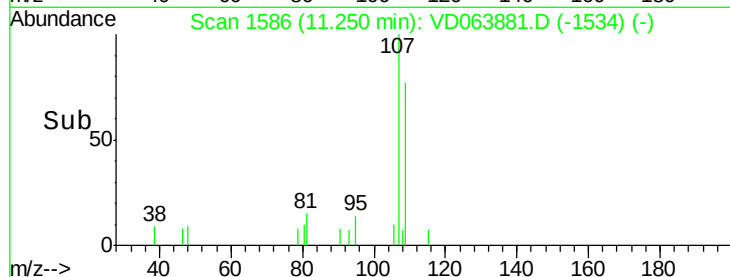
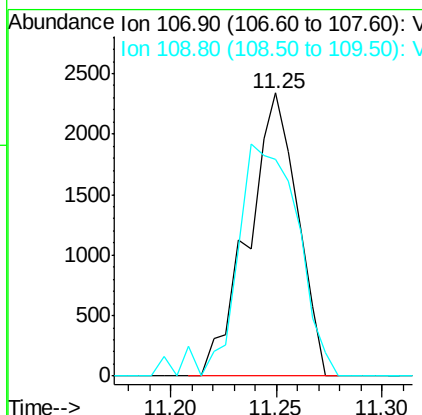
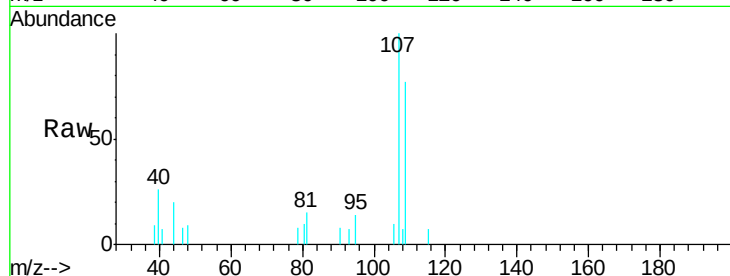




#61
 1,2-Dibromoethane
 Concen: 2.643 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

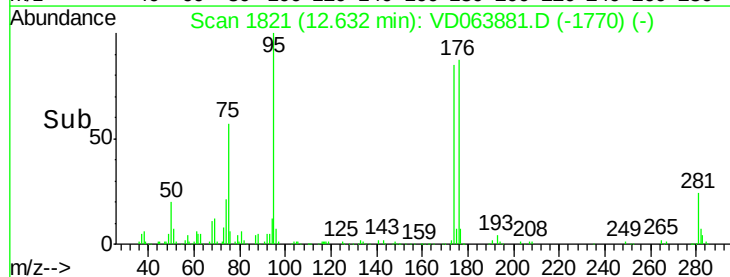
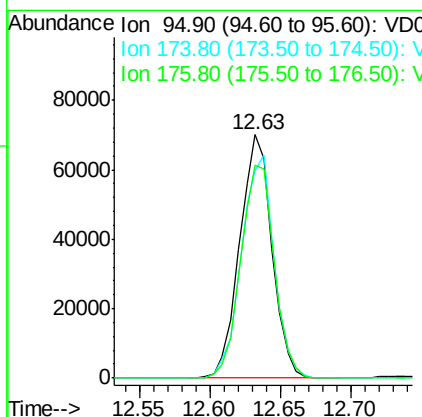
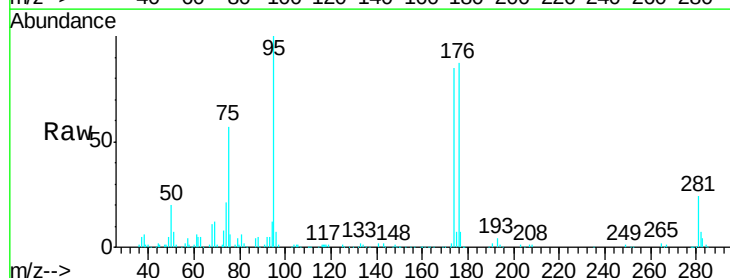
Instrument :
 MSVOA_D
 ClientSampled :
 MDL07

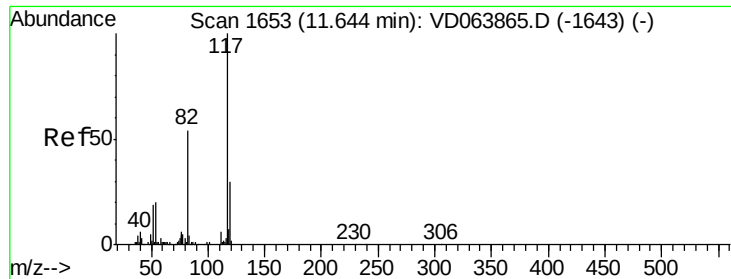
Tgt Ion: 107 Resp: 3800
 Ion Ratio Lower Upper
 107 100
 109 101.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 45.172 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion: 95 Resp: 111965
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 186.4
 176 91.0 0.0 184.2

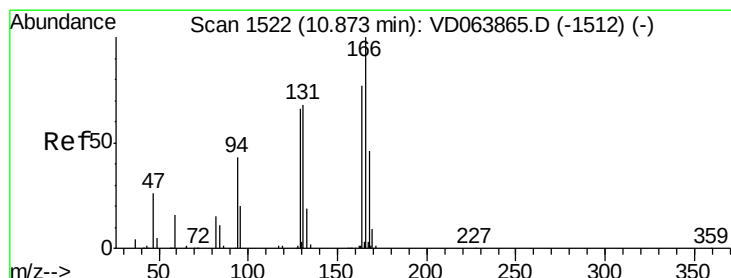
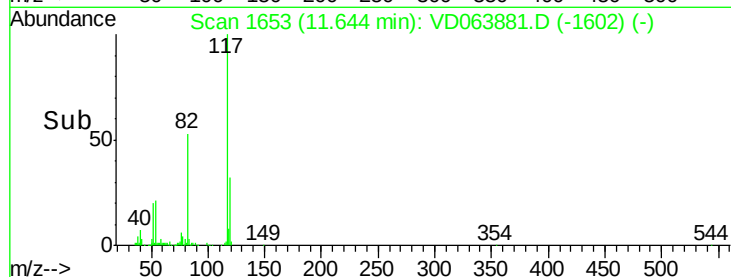
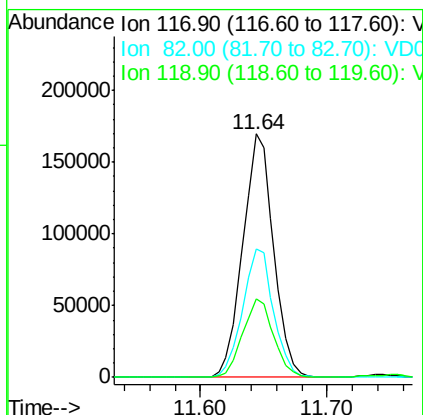
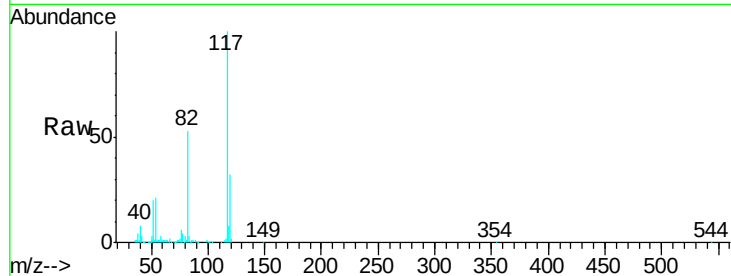




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

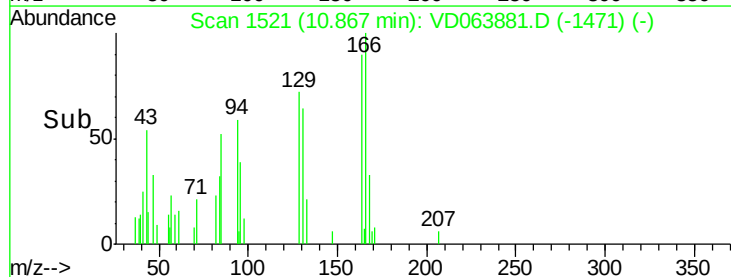
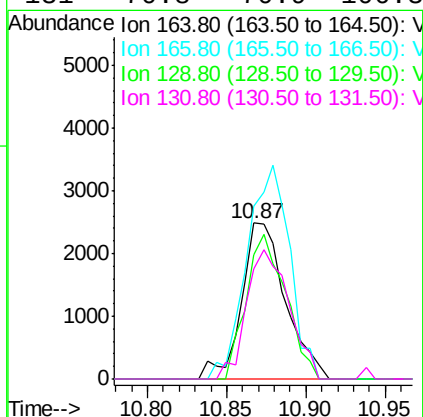
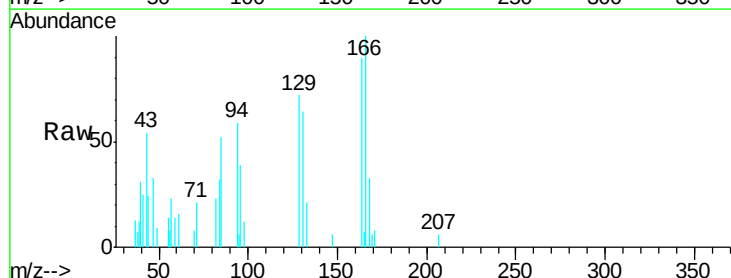
Instrument :
MSVOA_D
ClientSampleId :
MDL07

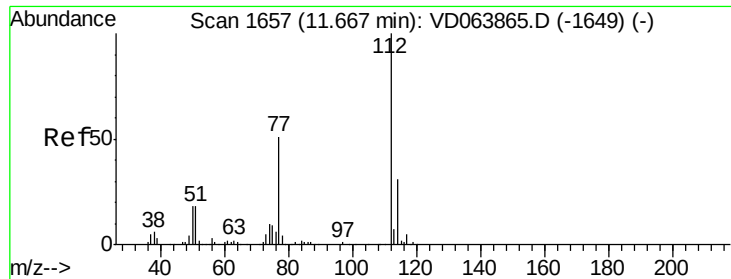
Tgt Ion:117 Resp: 285699
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 32.4 24.4 36.6



#64
Tetrachloroethene
Concen: 2.465 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion:164 Resp: 4808
Ion Ratio Lower Upper
164 100
166 110.8 103.8 155.6
129 79.5 68.9 103.3
131 70.8 70.9 106.3#

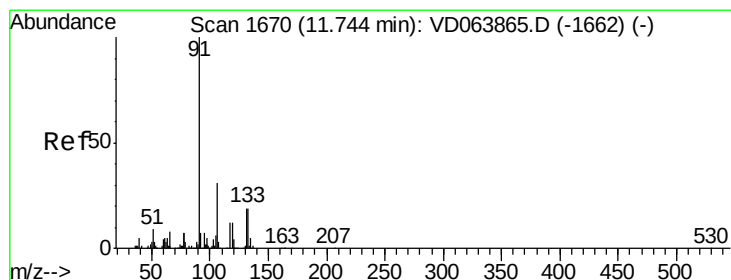
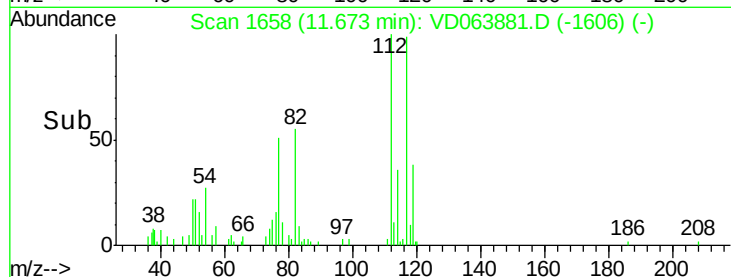
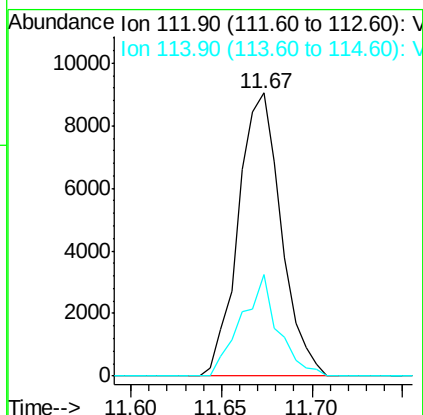
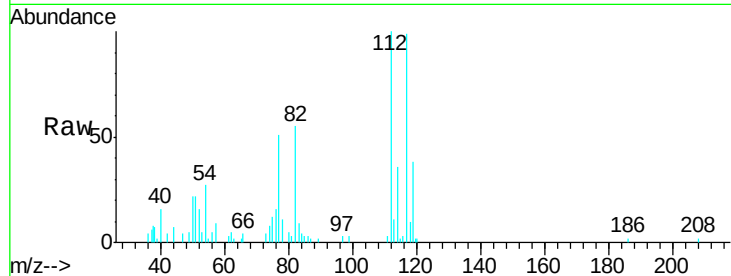




#65
Chlorobenzene
Concen: 2.590 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

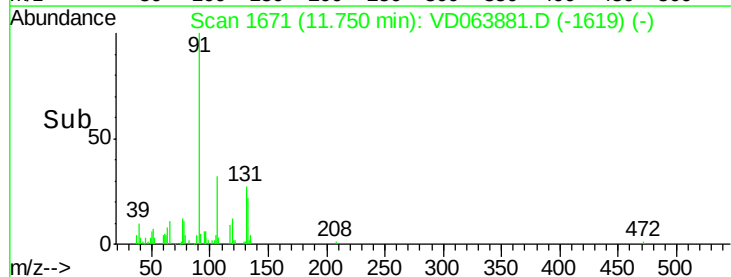
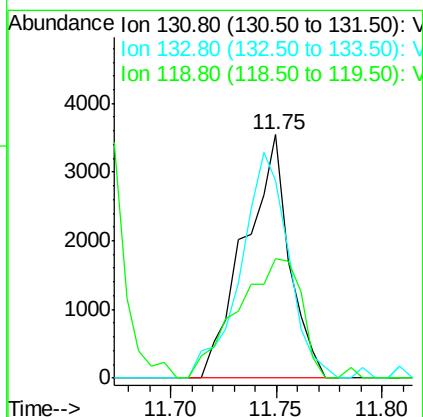
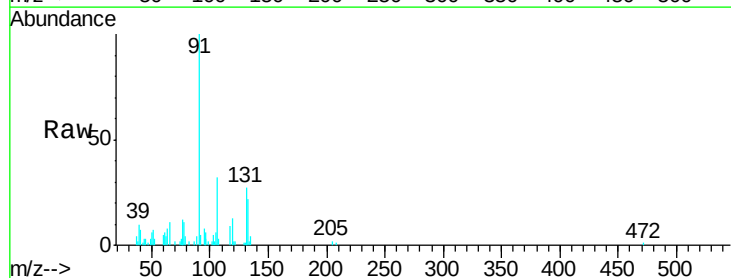
Instrument :
MSVOA_D
ClientSampled :
MDL07

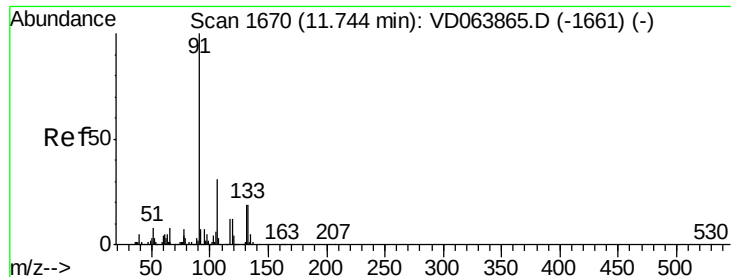
Tgt Ion:112 Resp: 14861
Ion Ratio Lower Upper
112 100
114 36.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 2.452 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion:131 Resp: 5185
Ion Ratio Lower Upper
131 100
133 99.4 48.9 146.7
119 70.2 32.6 97.8





#67

Ethyl Benzene

Concen: 2.292 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

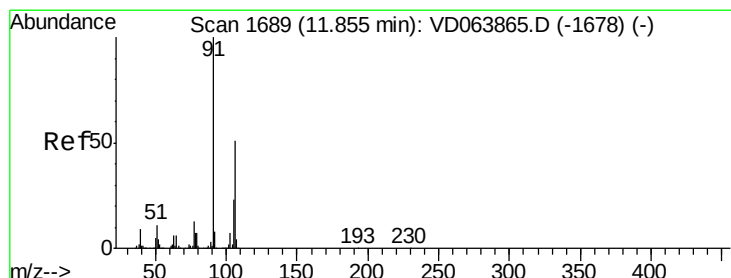
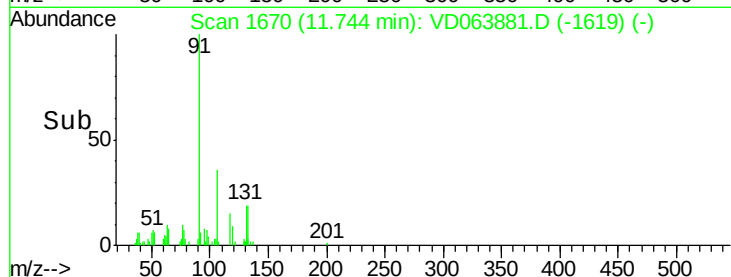
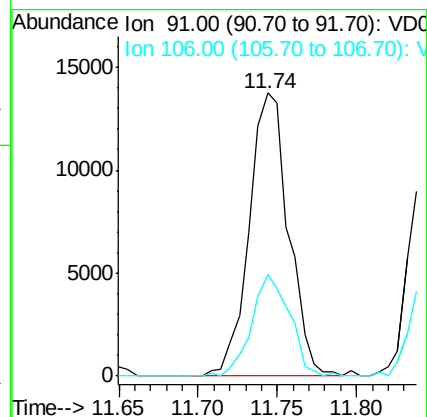
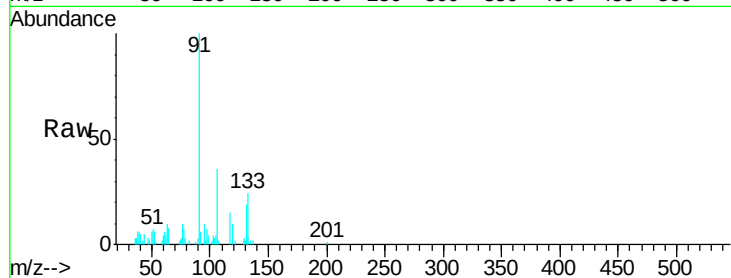
MDL07

Tgt Ion: 91 Resp: 23711

Ion Ratio Lower Upper

91 100

106 35.9 24.6 37.0



#68

m/p-Xylenes

Concen: 4.800 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063881.D

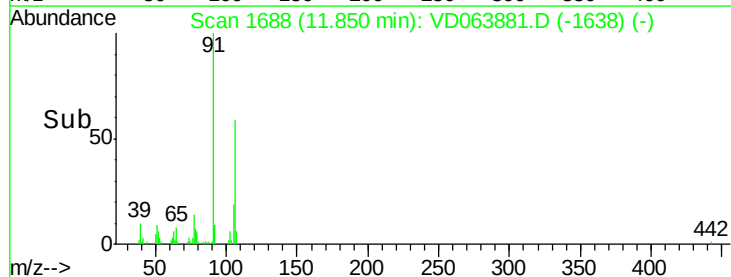
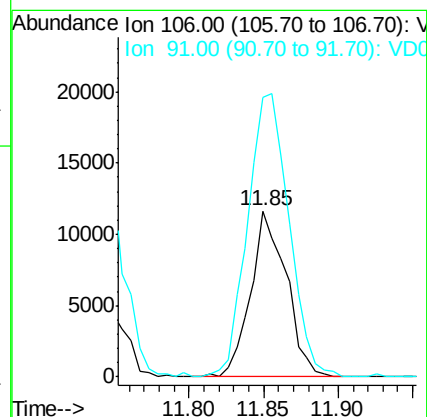
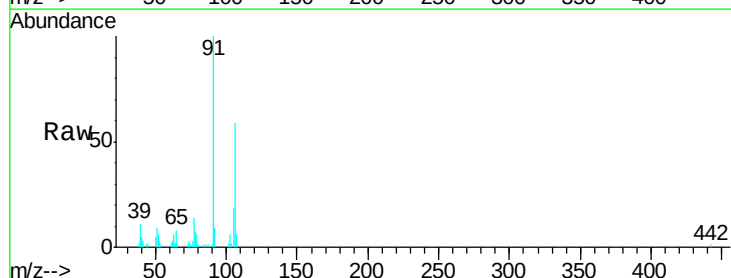
Acq: 03 Oct 2019 17:48

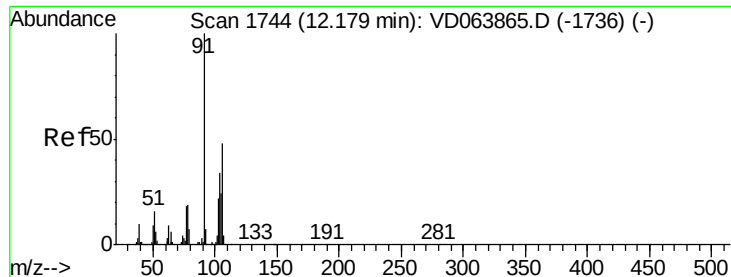
Tgt Ion: 106 Resp: 19170

Ion Ratio Lower Upper

106 100

91 198.3 154.8 232.2

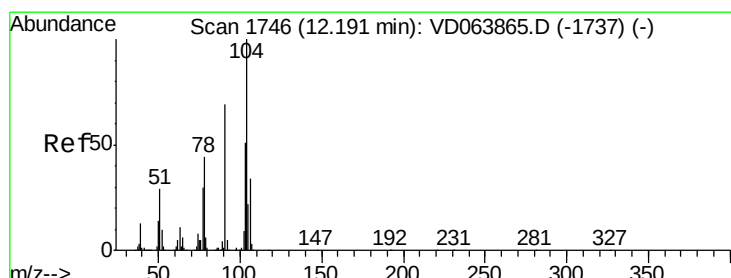
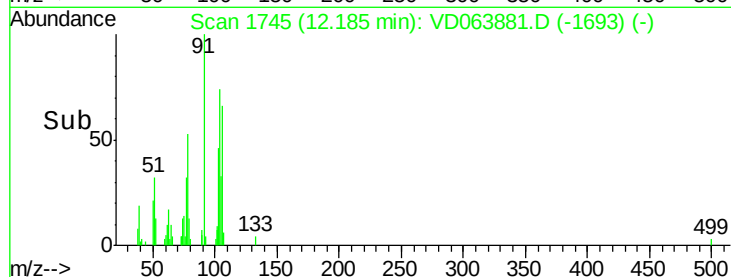
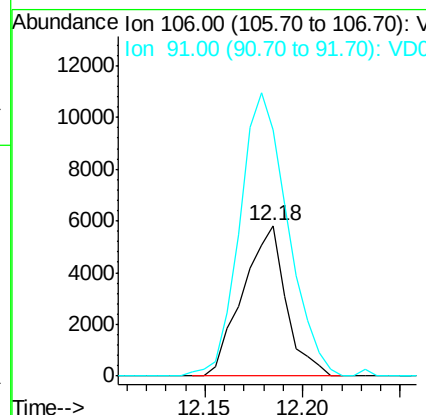
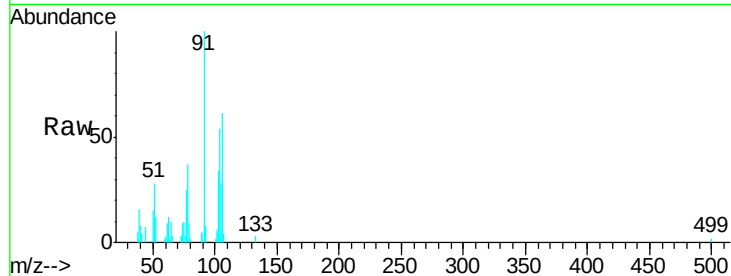




#69
o-Xylene
Concen: 2.337 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

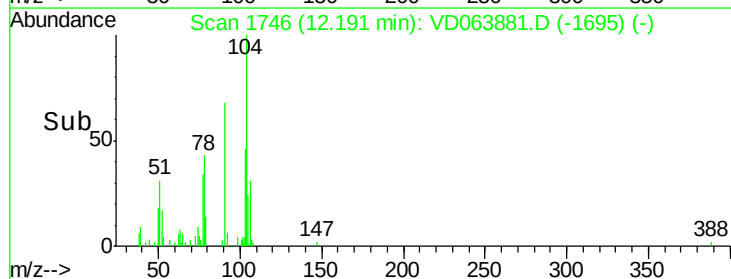
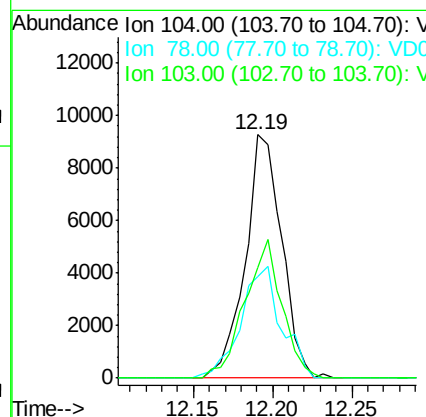
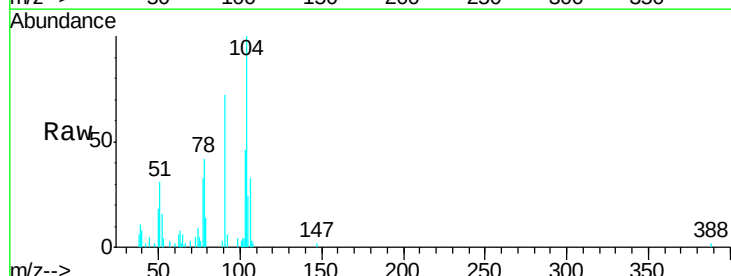
Instrument :
MSVOA_D
ClientSampleId :
MDL07

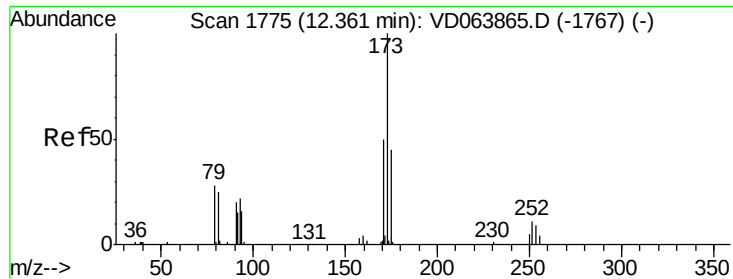
Tgt Ion:106 Resp: 8937
Ion Ratio Lower Upper
106 100
91 208.8 103.9 311.7



#70
Styrene
Concen: 2.295 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion:104 Resp: 14854
Ion Ratio Lower Upper
104 100
78 51.2 37.0 55.4
103 57.7 44.2 66.4





#71

Bromoform

Concen: 1.967 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

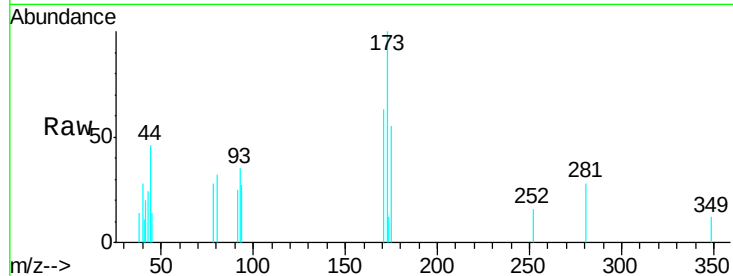
Tgt Ion:173 Resp: 2232

Ion Ratio Lower Upper

173 100

175 71.0 24.6 74.0

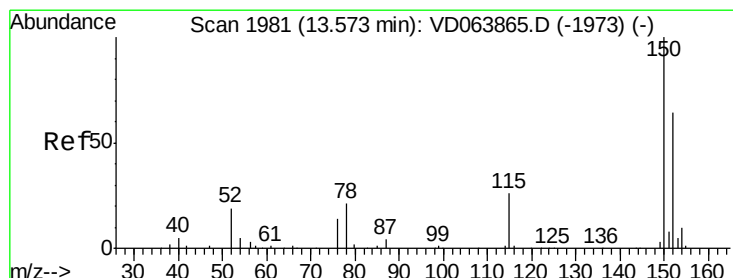
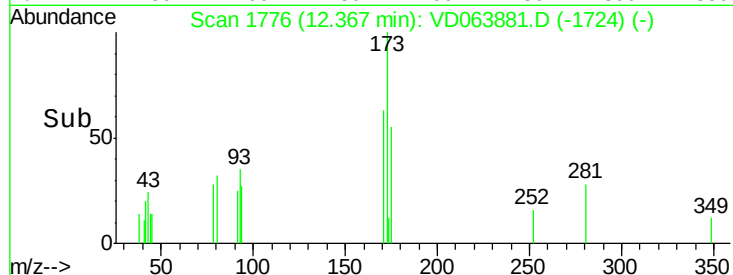
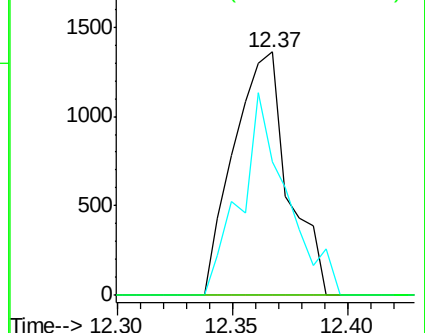
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

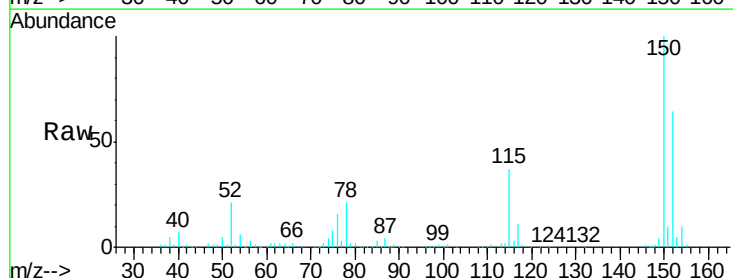
Tgt Ion:152 Resp: 141163

Ion Ratio Lower Upper

152 100

115 55.3 25.9 77.7

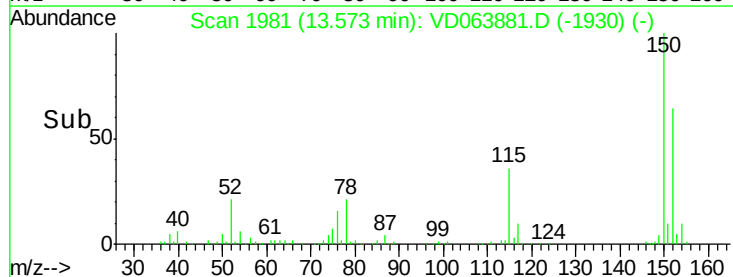
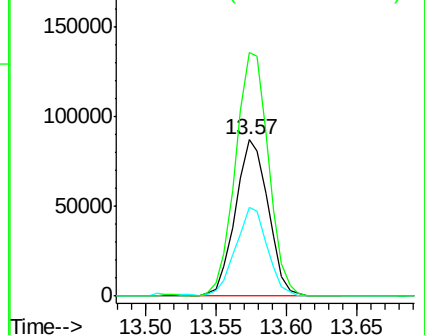
150 157.6 0.0 344.2

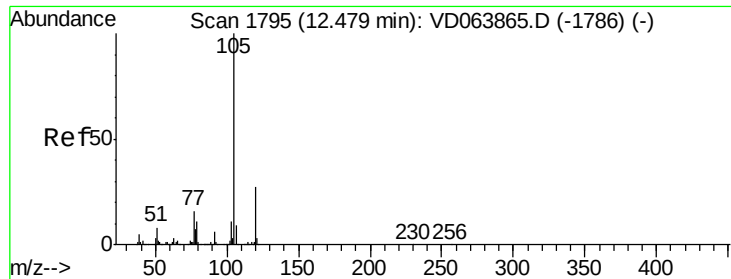


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.404 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

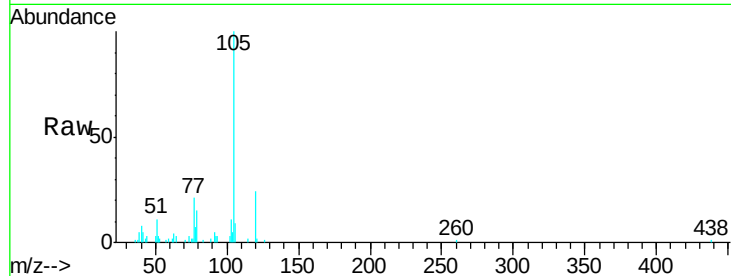
MDL07

Tgt Ion: 105 Resp: 22813

Ion Ratio Lower Upper

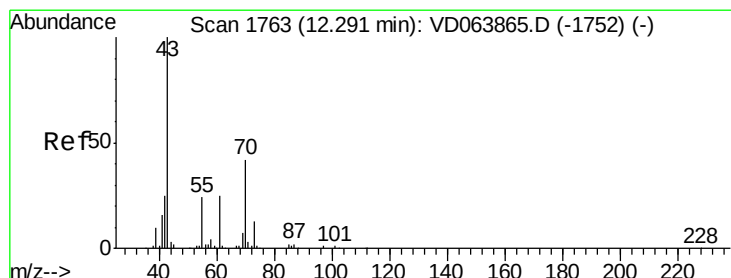
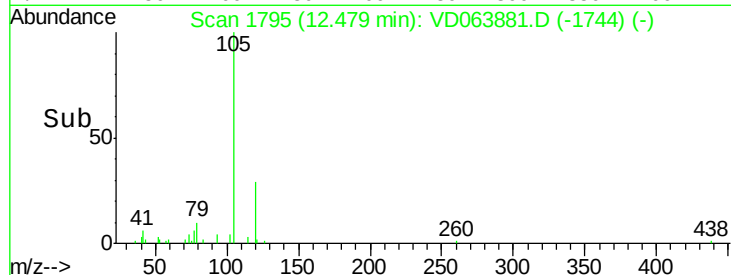
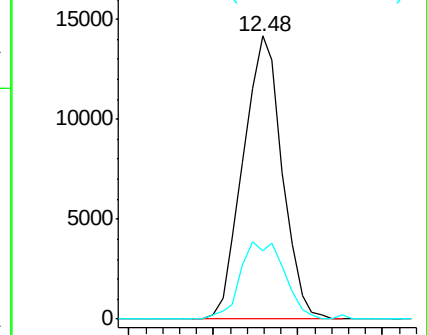
105 100

120 30.8 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: 2.331 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Tgt Ion: 43 Resp: 4763

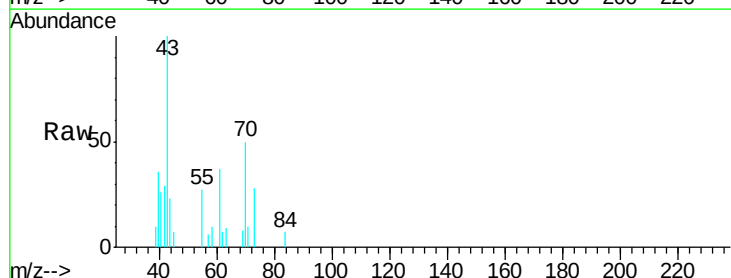
Ion Ratio Lower Upper

43 100

70 56.3 35.8 53.6#

55 30.5 19.4 29.0#

61 27.0 20.4 30.6

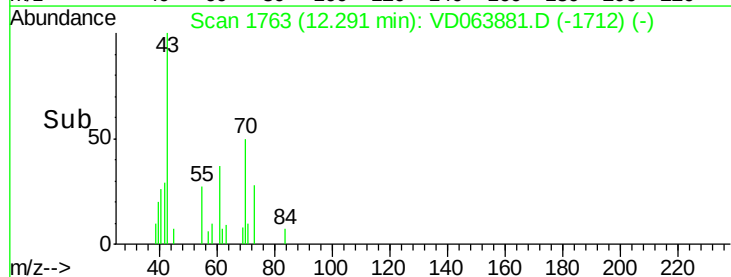
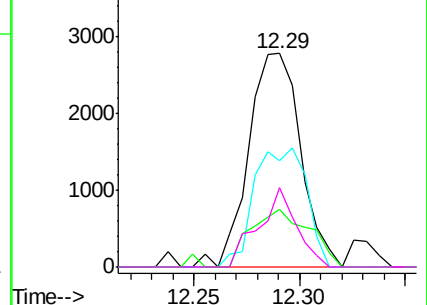


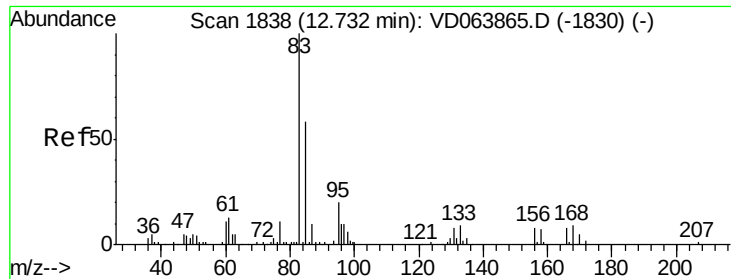
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 2.374 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

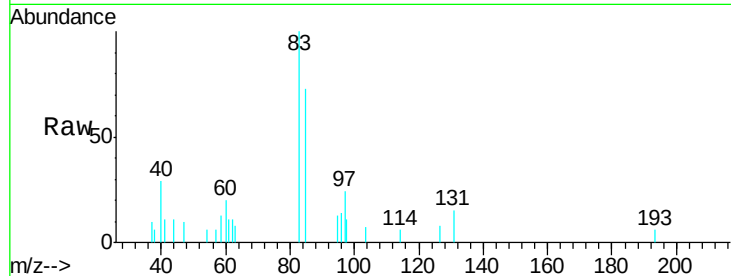
Tgt Ion: 83 Resp: 3920

Ion Ratio Lower Upper

83 100

131 18.0 5.6 16.8#

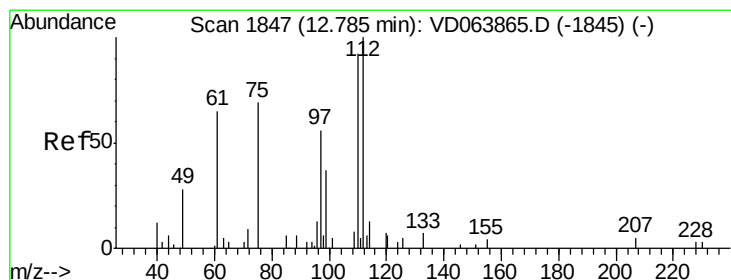
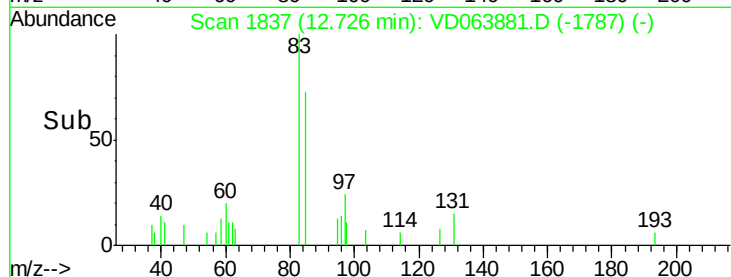
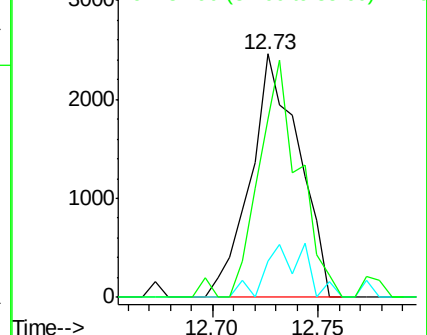
85 80.4 32.3 96.8



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: 2.902 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063881.D

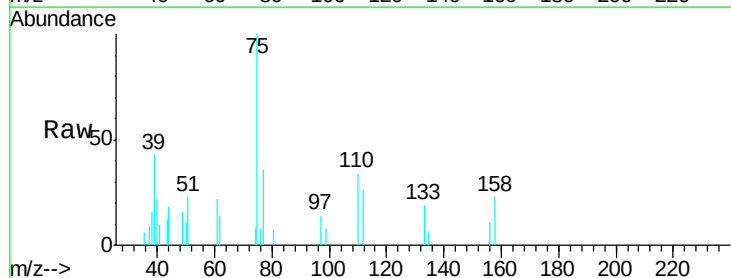
Acq: 03 Oct 2019 17:48

Tgt Ion: 75 Resp: 2744

Ion Ratio Lower Upper

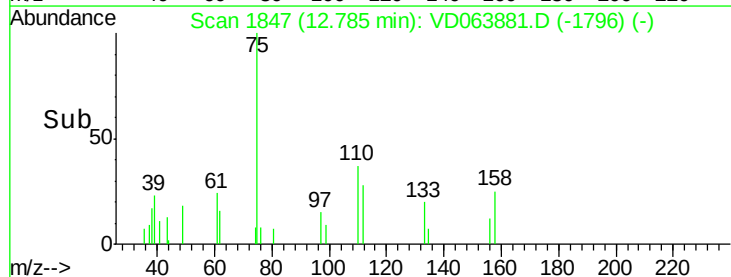
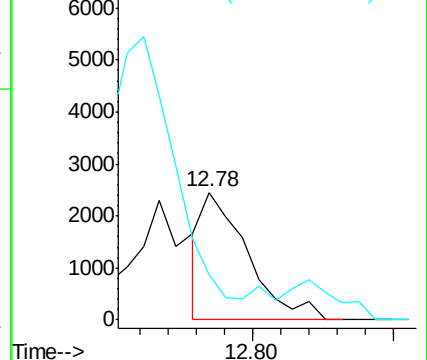
75 100

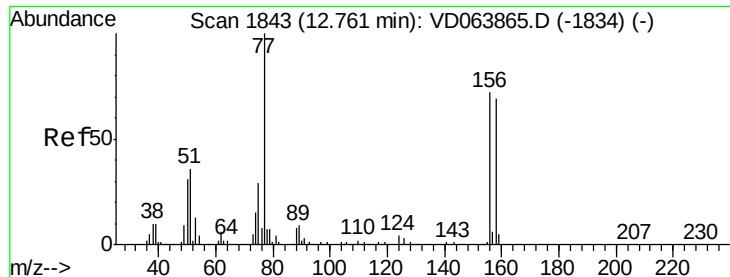
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 2.419 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

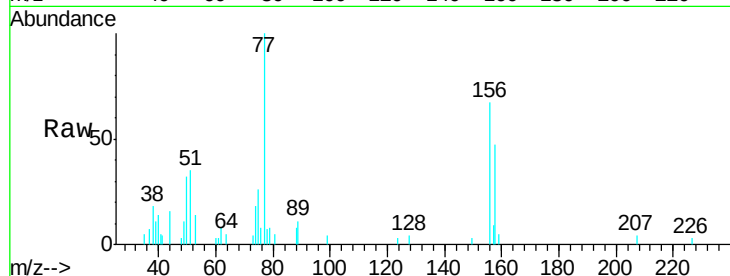
Tgt Ion: 156 Resp: 5719

Ion Ratio Lower Upper

156 100

77 172.9 80.3 241.0

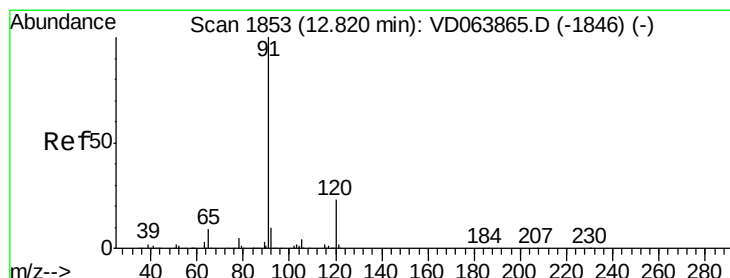
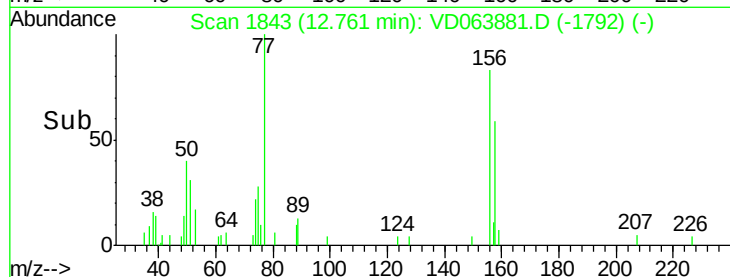
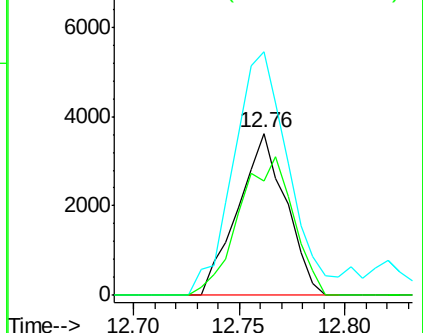
158 96.3 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.443 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD063881.D

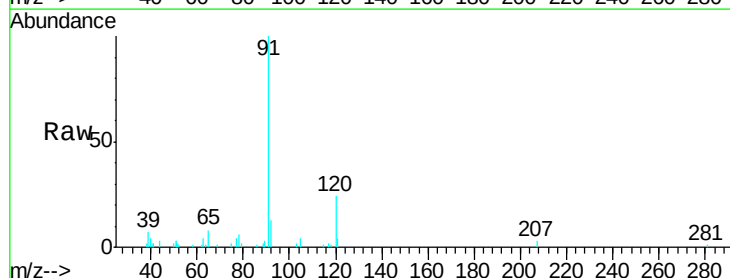
Acq: 03 Oct 2019 17:48

Tgt Ion: 91 Resp: 27216

Ion Ratio Lower Upper

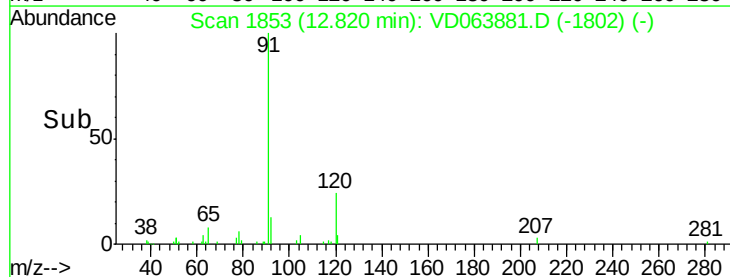
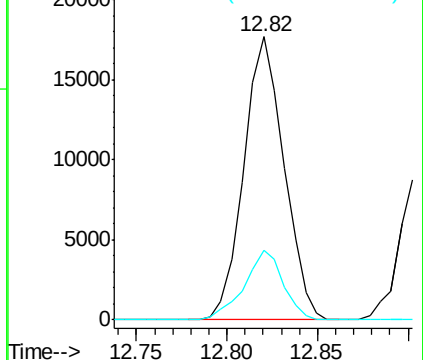
91 100

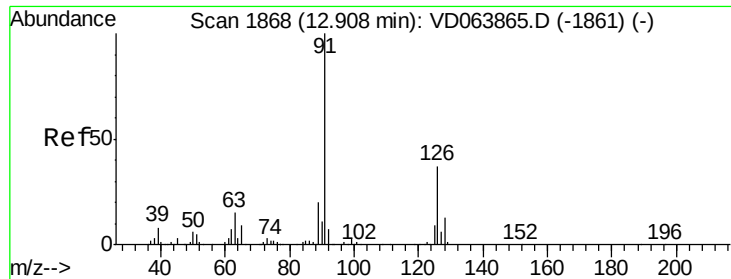
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.518 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

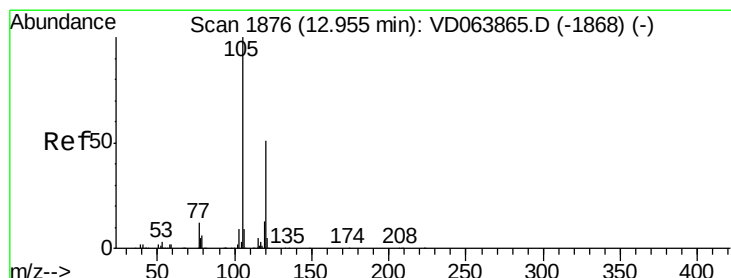
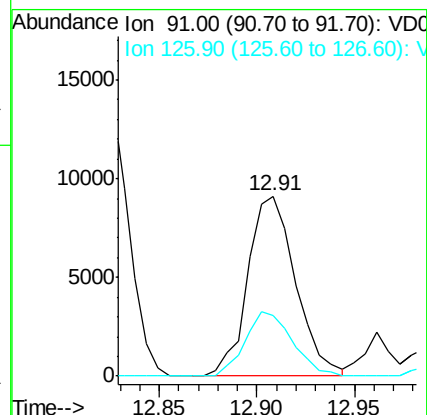
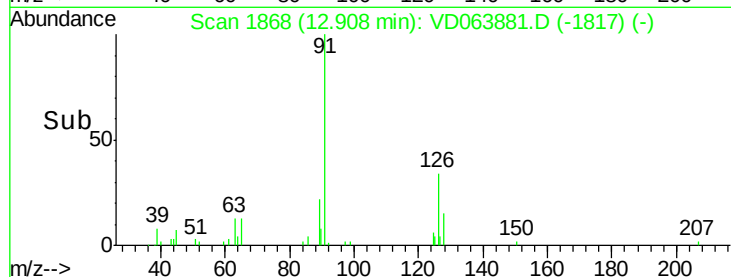
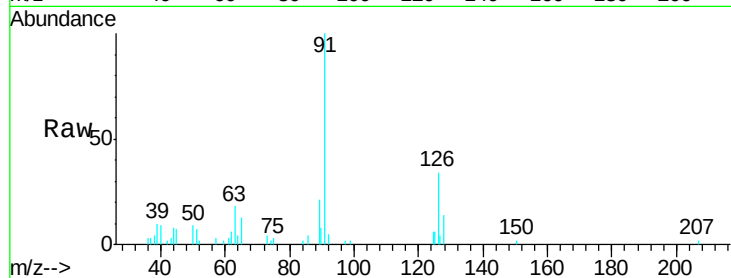
MDL07

Tgt Ion: 91 Resp: 15467

Ion Ratio Lower Upper

91 100

126 35.5 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 2.502 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VD063881.D

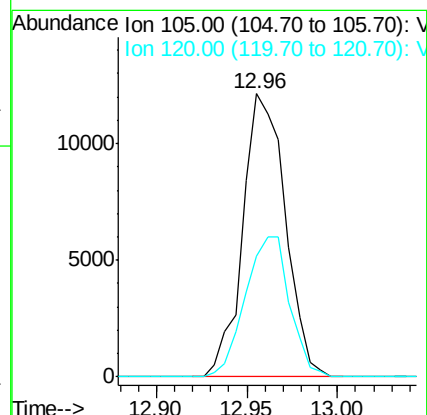
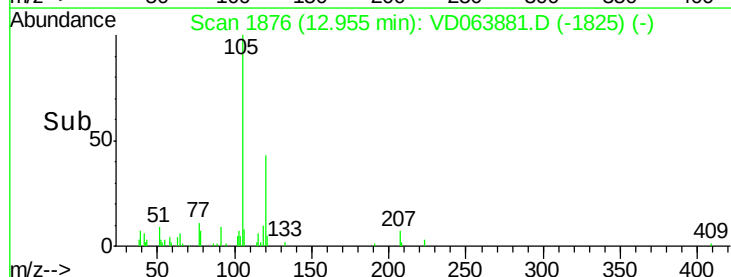
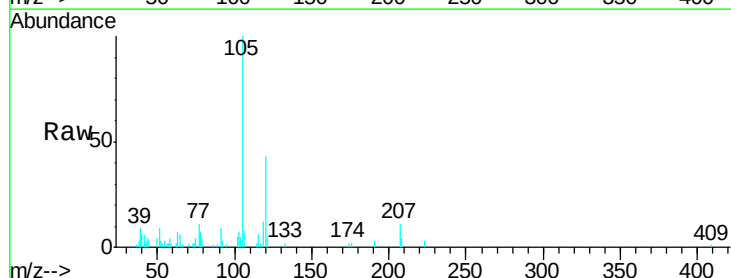
Acq: 03 Oct 2019 17:48

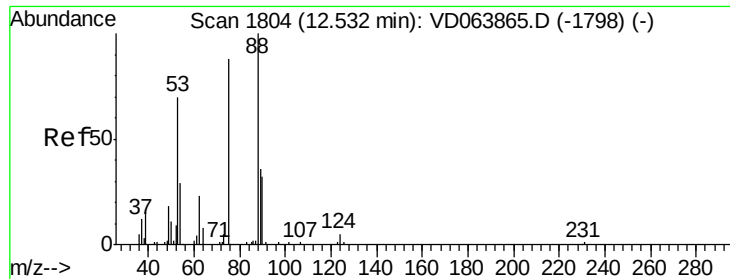
Tgt Ion: 105 Resp: 19812

Ion Ratio Lower Upper

105 100

120 51.7 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 111.725 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

MDL07

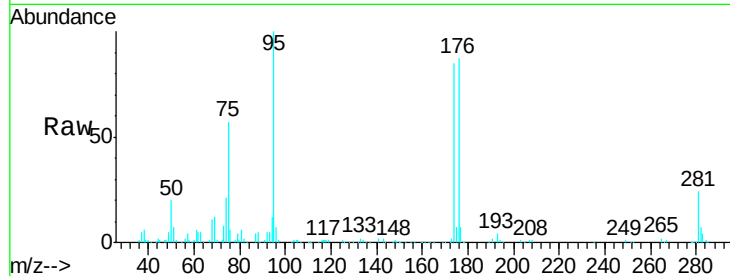
Tgt Ion: 75 Resp: 59693

Ion Ratio Lower Upper

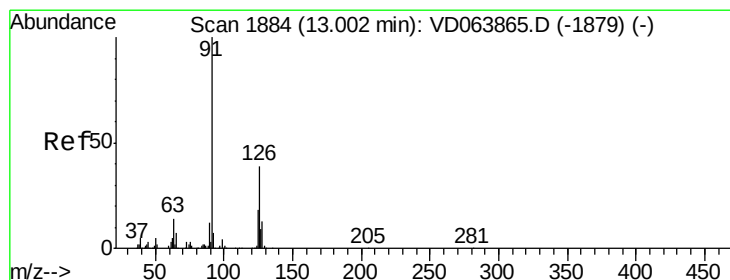
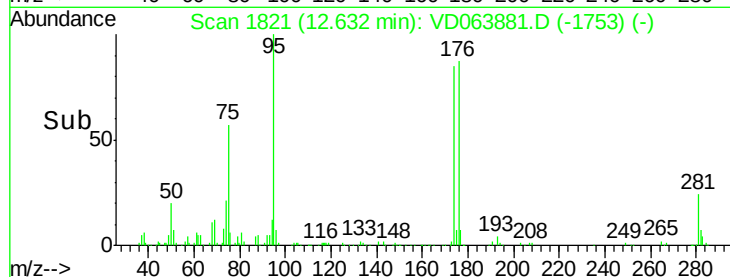
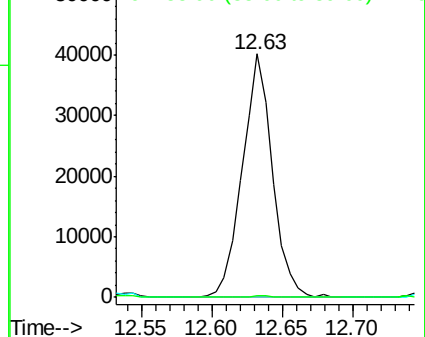
75 100

53 0.0 75.0 112.6#

89 0.4 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 2.614 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VD063881.D

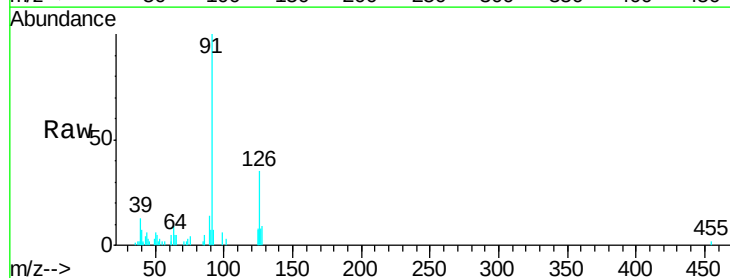
Acq: 03 Oct 2019 17:48

Tgt Ion: 91 Resp: 17032

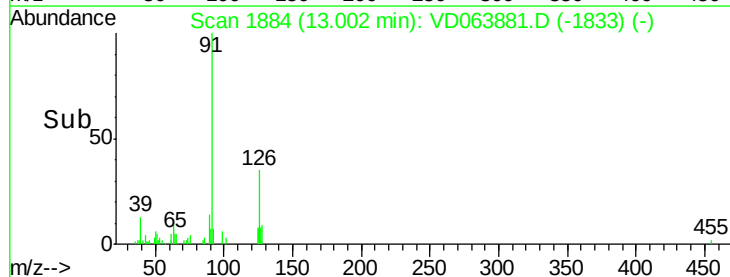
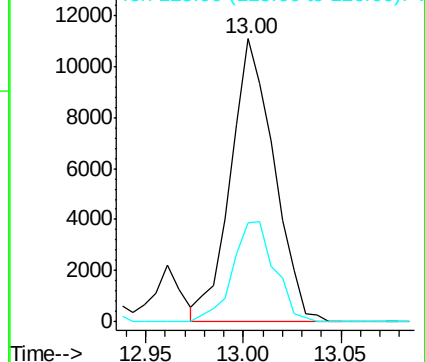
Ion Ratio Lower Upper

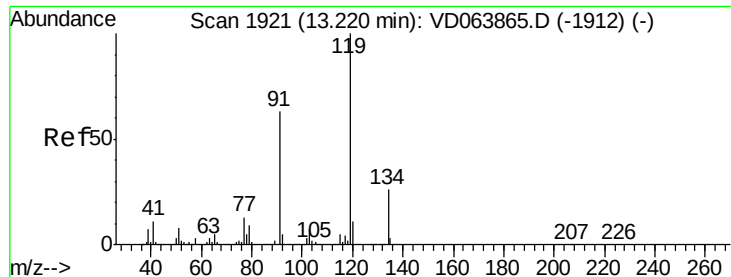
91 100

126 34.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

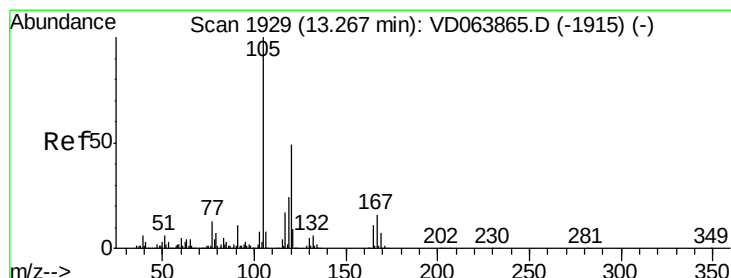
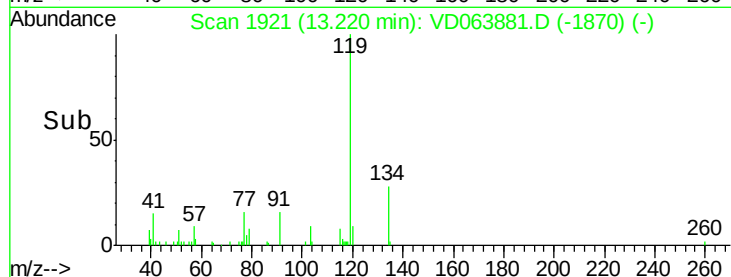
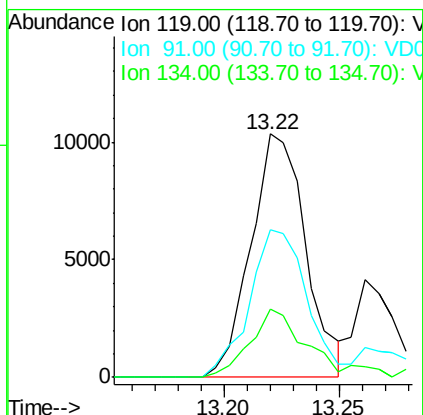
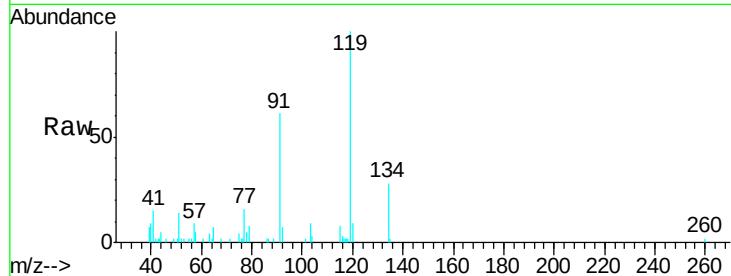




#83
 tert-Butylbenzene
 Concen: 2.436 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

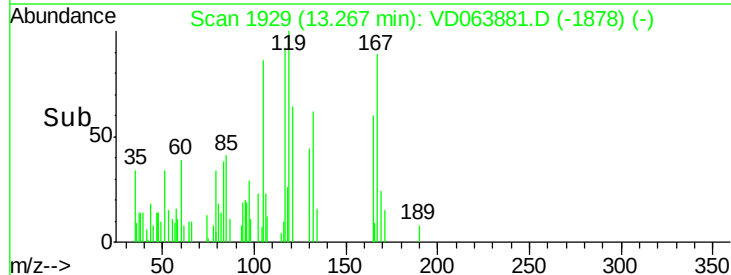
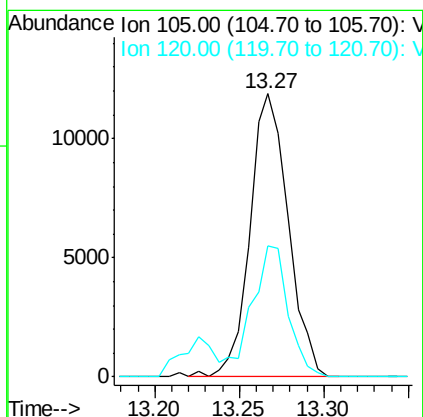
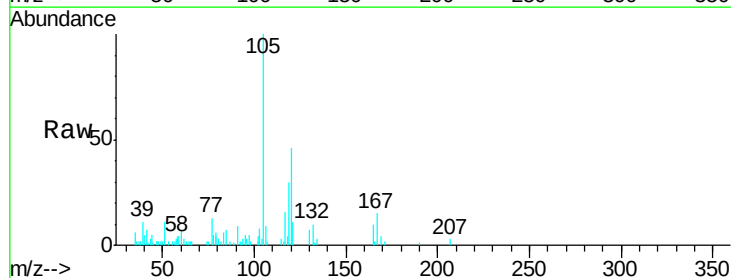
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

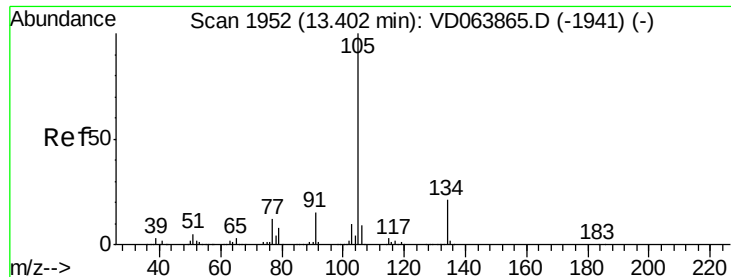
Tgt Ion:119 Resp: 17162
 Ion Ratio Lower Upper
 119 100
 91 62.4 30.0 90.0
 134 29.9 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 2.297 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion:105 Resp: 18750
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.8 71.5





#85

sec-Butylbenzene

Concen: 2.254 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

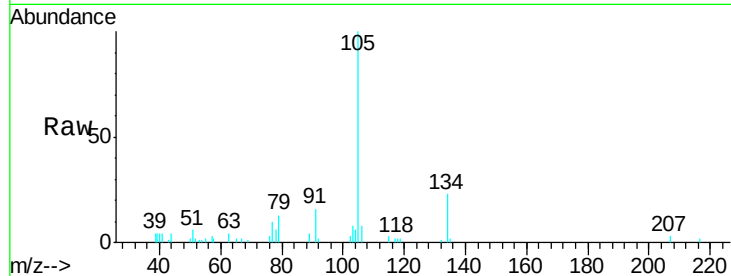
MDL07

Tgt Ion:105 Resp: 21450

Ion Ratio Lower Upper

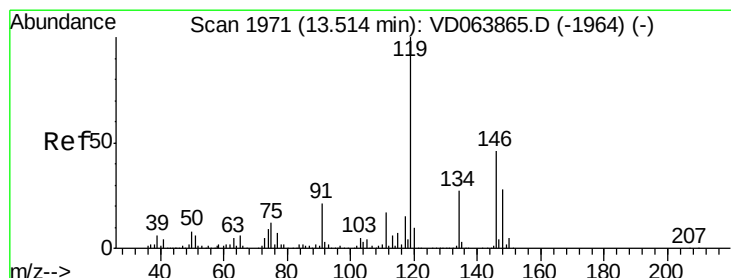
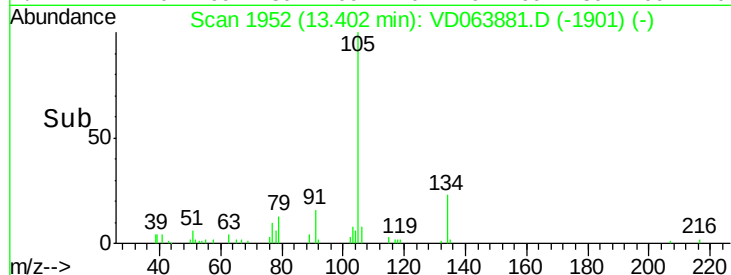
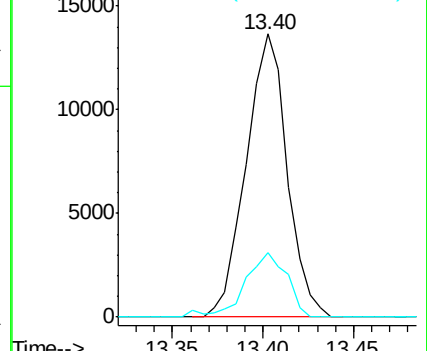
105 100

134 23.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.321 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

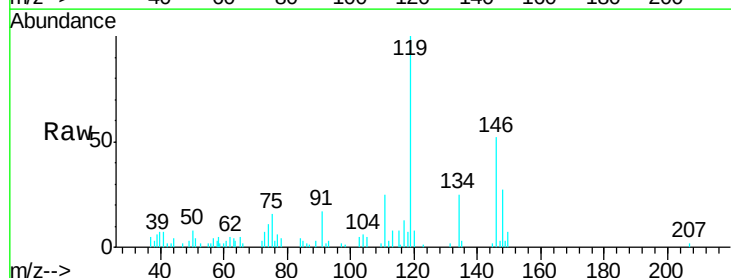
Tgt Ion:119 Resp: 20902

Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.6

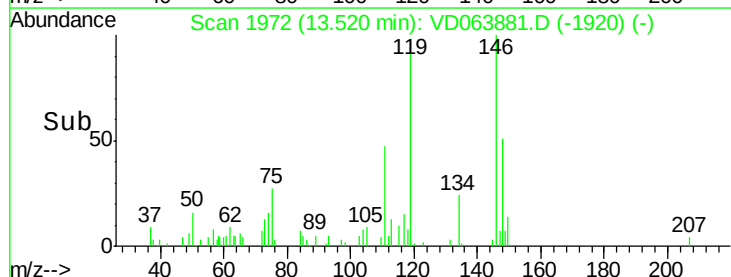
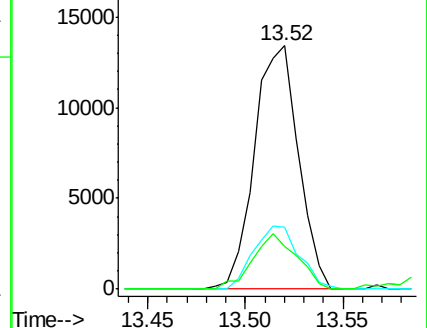
91 22.8 11.2 33.5

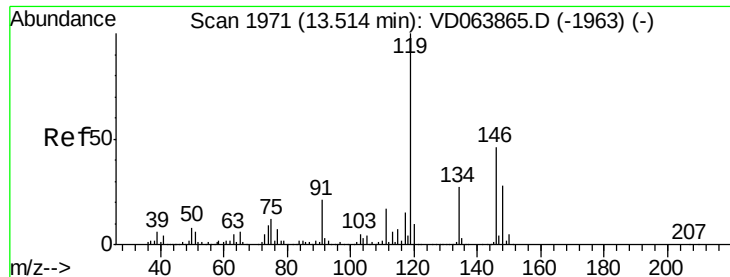


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

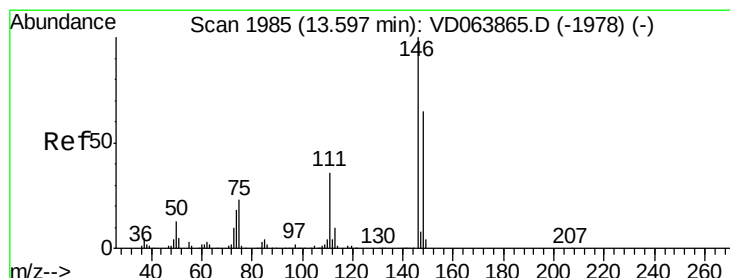
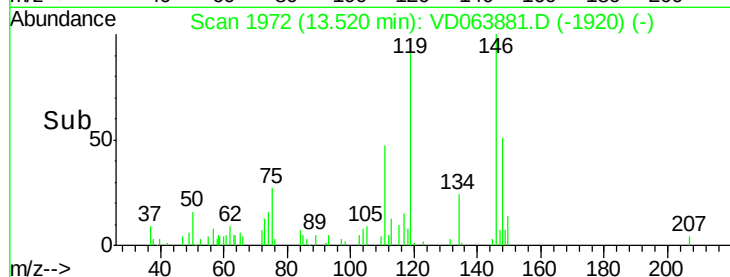
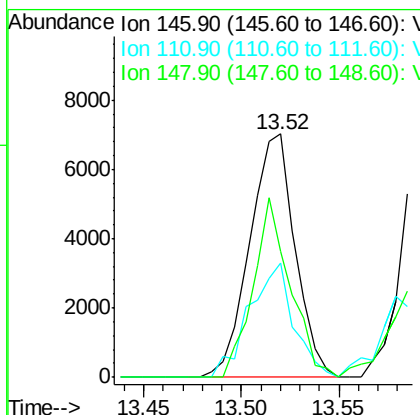
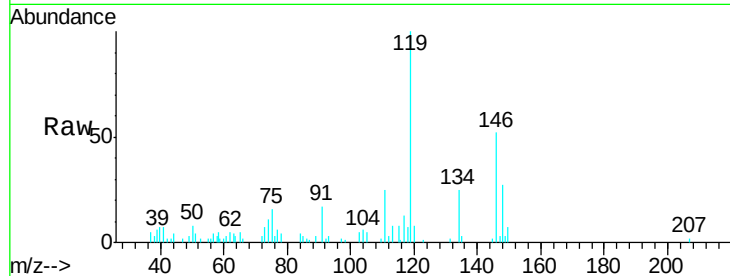




#87
 1,3-Dichlorobenzene
 Concen: 2.418 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

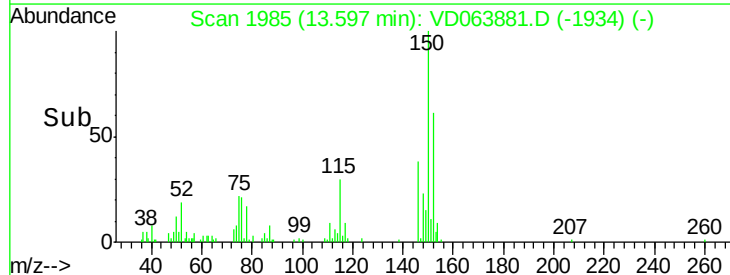
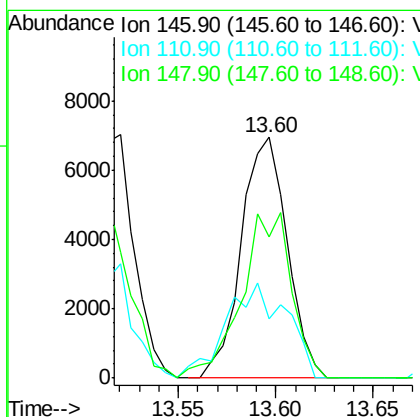
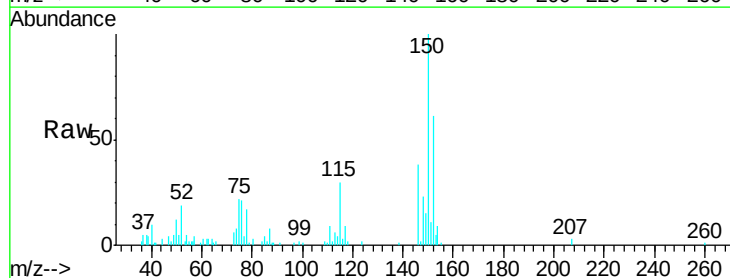
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

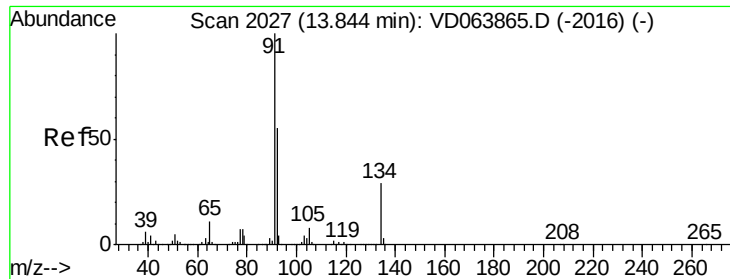
Tgt Ion:146 Resp: 11294
 Ion Ratio Lower Upper
 146 100
 111 45.8 18.3 54.9
 148 60.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 2.460 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion:146 Resp: 11337
 Ion Ratio Lower Upper
 146 100
 111 51.7 18.6 56.0
 148 75.0 32.6 98.0

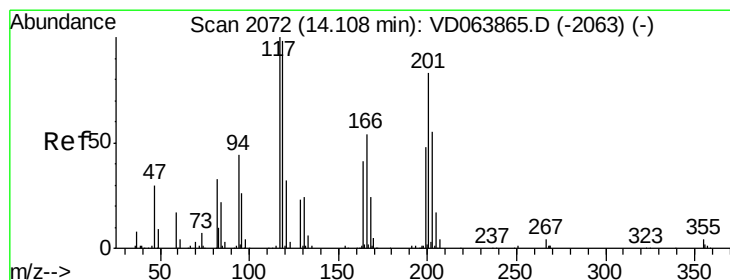
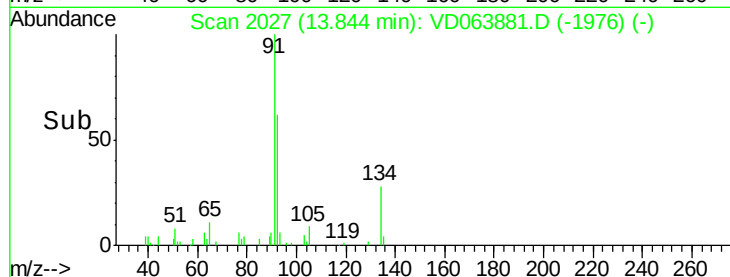
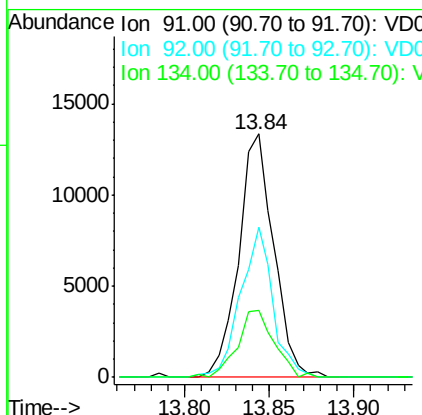
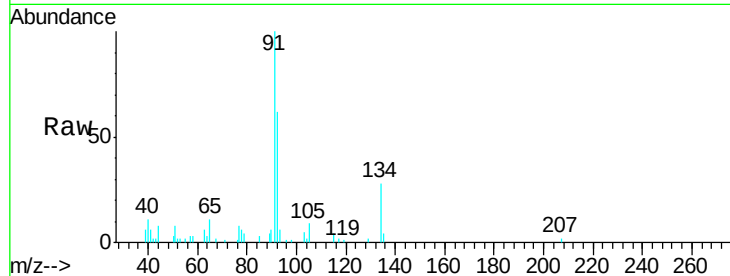




#89
n-Butylbenzene
Concen: 2.296 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

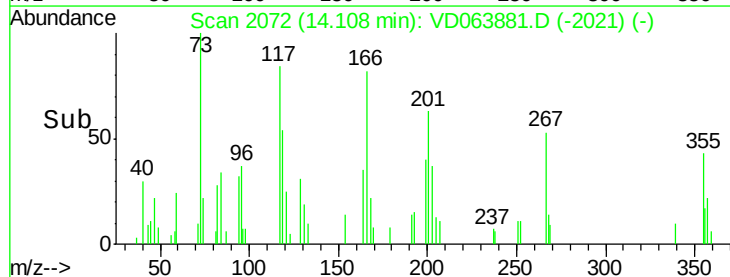
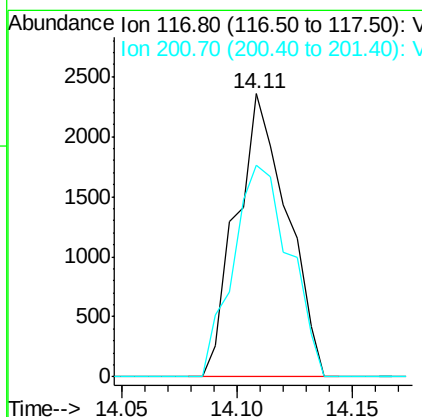
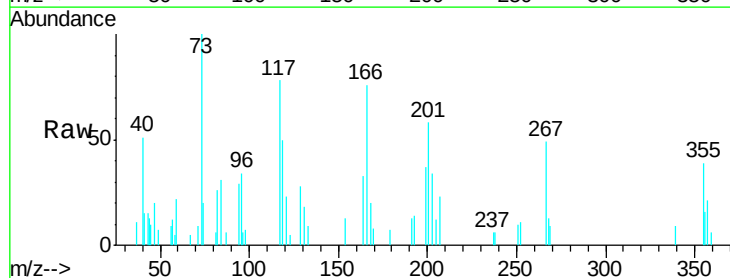
Instrument :
MSVOA_D
ClientSampleId :
MDL07

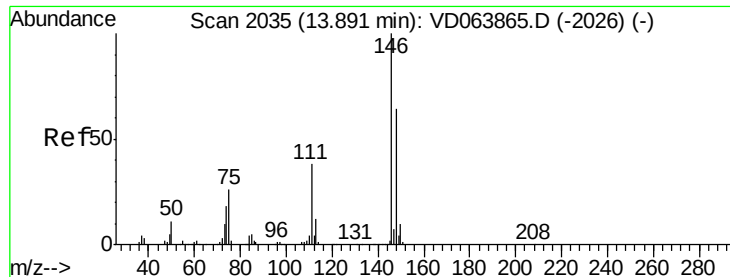
Tgt Ion: 91 Resp: 19241
Ion Ratio Lower Upper
91 100
92 57.0 26.8 80.3
134 29.0 14.4 43.0



#90
Hexachloroethane
Concen: 2.234 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion: 117 Resp: 3617
Ion Ratio Lower Upper
117 100
201 83.1 40.6 121.7





#91

1,2-Dichlorobenzene

Concen: 2.461 ug/l

RT: 13.88 min Scan# 2034

Delta R.T. -0.01 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

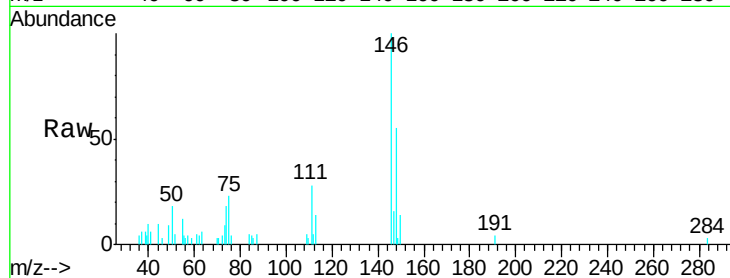
Instrument :

MSVOA_D

ClientSampled :

MDL07

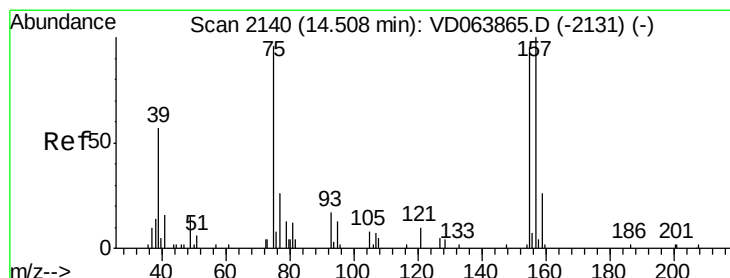
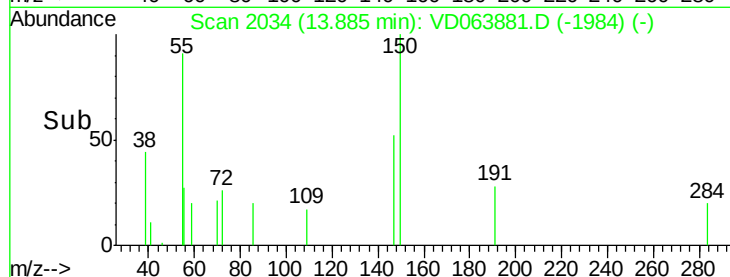
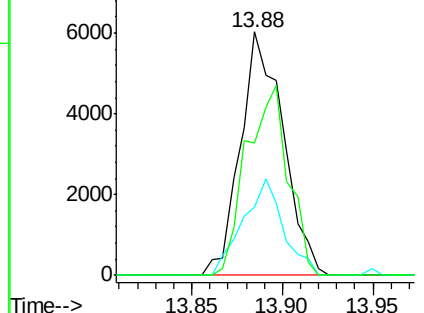
Tgt Ion:	146	Resp:	9907
Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.6
148	76.5	31.6	95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.326 ug/l

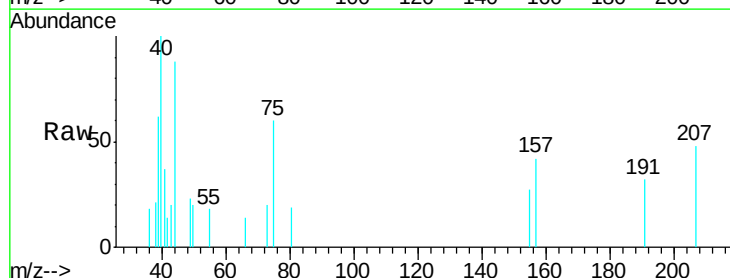
RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063881.D

Acq: 03 Oct 2019 17:48

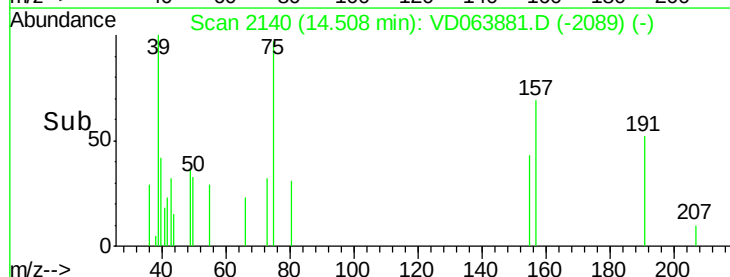
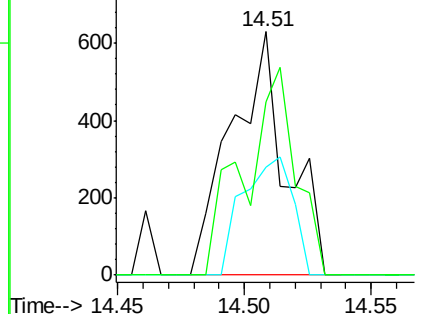
Tgt Ion:	75	Resp:	954
Ion	Ratio	Lower	Upper
75	100		
155	44.2	43.9	131.6
157	80.4	56.0	167.9

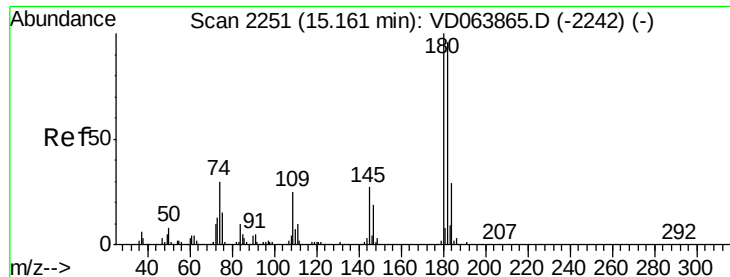


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

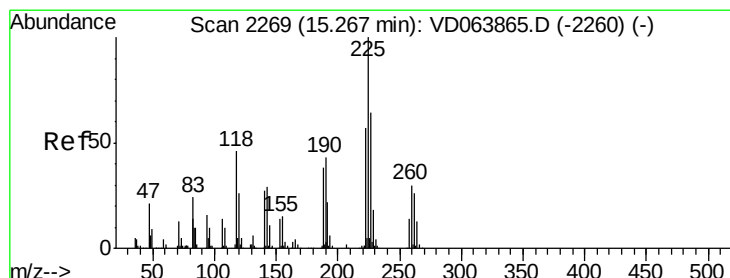
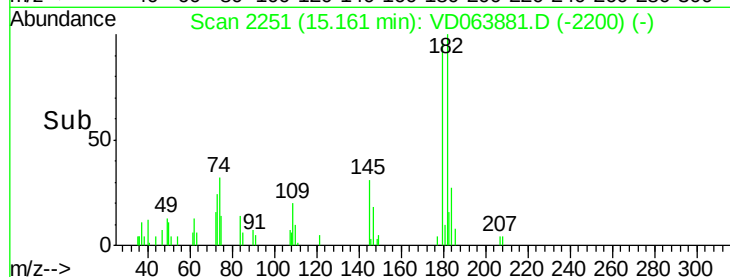
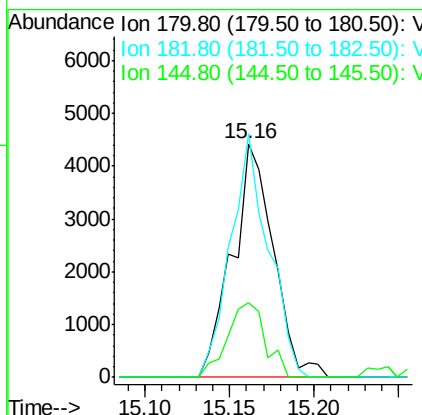
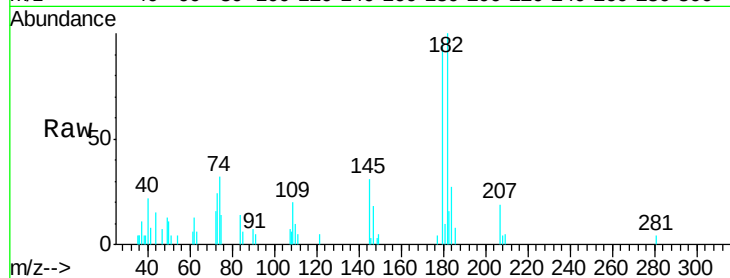




#93
 1,2,4-Trichlorobenzene
 Concen: 2.411 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

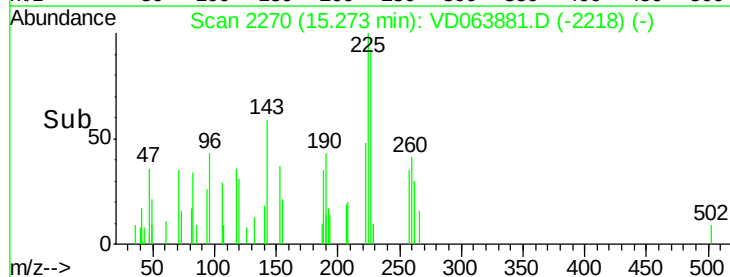
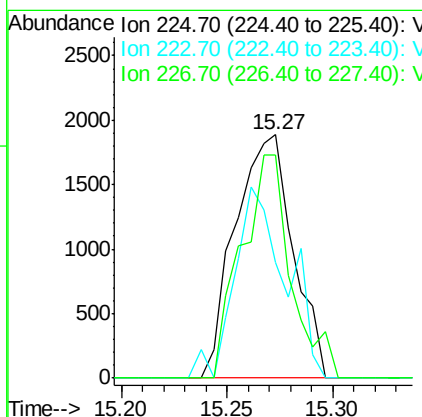
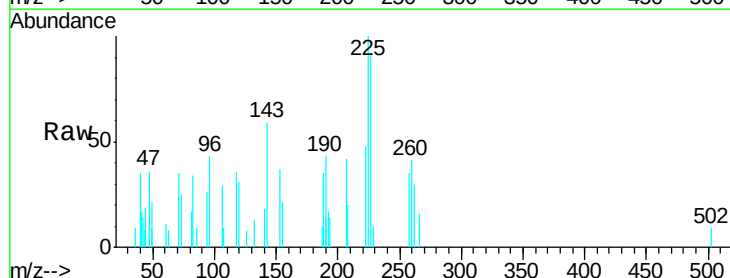
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL07

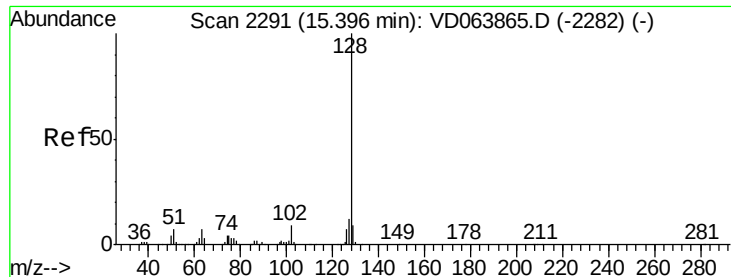
Tgt Ion:180 Resp: 7491
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.4 142.3
 145 29.4 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 2.096 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063881.D
 Acq: 03 Oct 2019 17:48

Tgt Ion:225 Resp: 3593
 Ion Ratio Lower Upper
 225 100
 223 69.9 29.5 88.6
 227 78.8 30.8 92.4

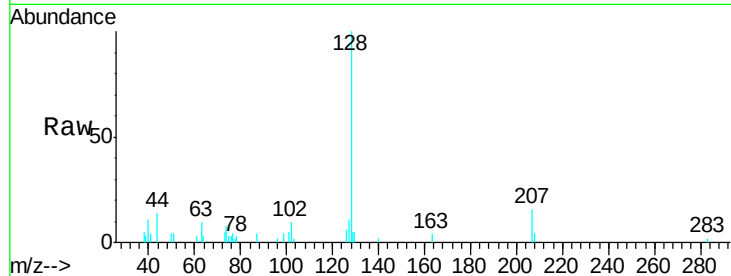




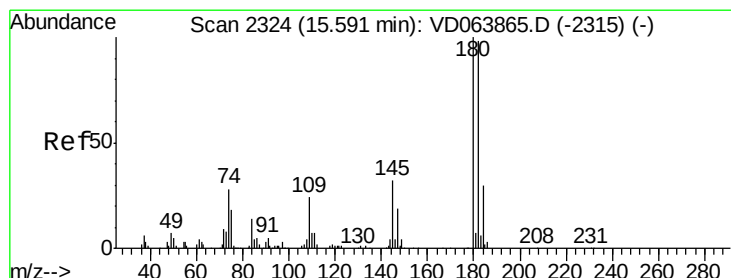
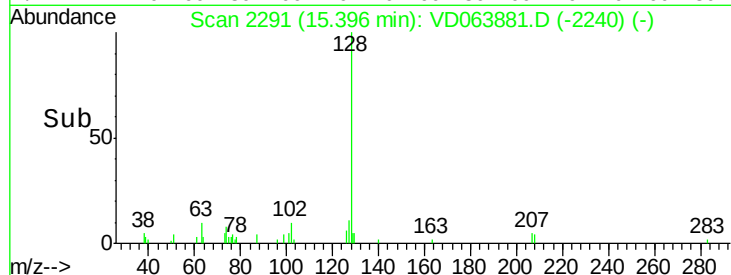
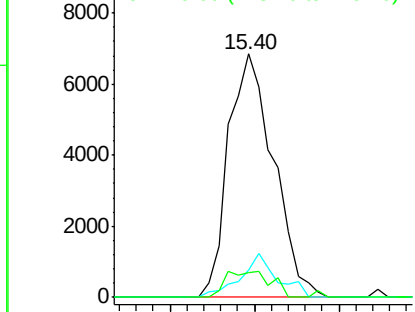
#95
Naphthalene
Concen: 2.431 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Instrument :
MSVOA_D
ClientSampleId :
MDL07

Tgt Ion:128 Resp: 12692
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 10.6 8.6 13.0

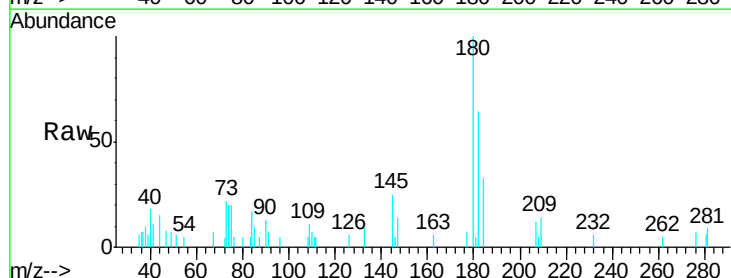


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 2.452 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063881.D
Acq: 03 Oct 2019 17:48

Tgt Ion:180 Resp: 6571
Ion Ratio Lower Upper
180 100
182 91.1 47.0 141.0
145 31.4 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

