

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064968.D
 Acq On : 27 Jan 2020 17:22
 Operator : VA/SY
 Sample : L1242-12RE
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 22:31:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	371289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	604733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	582600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	262563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	203180	57.05	ug/l	0.00
Spiked Amount						
			Recovery	=	114.10%	
35) Dibromofluoromethane	7.92	113	93862	24.70	ug/l	0.00
Spiked Amount						
			Recovery	=	49.40%	
50) Toluene-d8	10.34	98	731319	49.86	ug/l	0.00
Spiked Amount						
			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.64	95	241060	53.71	ug/l	0.00
Spiked Amount						
			Recovery	=	107.42%	

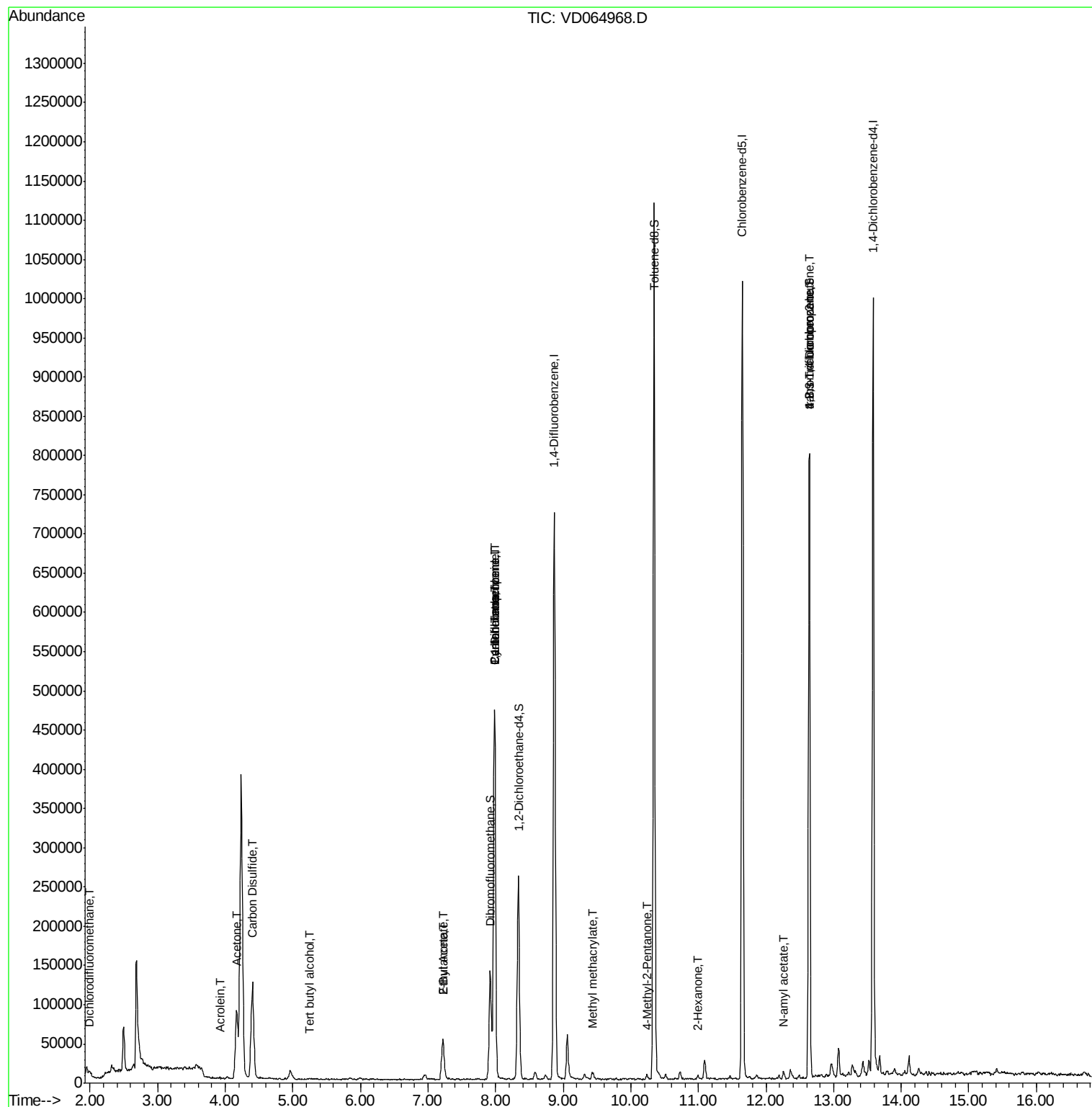
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	3699	1.322	ug/l	94
11) Tert butyl alcohol	5.25	59	423	2.149	ug/l #	74
13) Acrolein	3.92	56	509	2.063	ug/l #	59
16) Acetone	4.17	43	160811	185.553	ug/l	99
17) Carbon Disulfide	4.40	76	253288	23.812	ug/l	97
20) Methylene Chloride	4.96	84	7890	Below Cal	#	82
25) 2-Butanone	7.22	43	39859	41.426	ug/l	95
31) Cyclohexane	7.98	56	8759	1.412	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	28086	4.816	ug/l #	51
37) Ethyl Acetate	7.22	43	39859	16.548	ug/l #	75
38) Carbon Tetrachloride	7.98	117	37602	6.101	ug/l #	18
48) Methyl methacrylate	9.44	41	3235	1.536	ug/l #	44
51) 4-Methyl-2-Pentanone	10.24	43	3291	1.438	ug/l	97
59) 2-Hexanone	10.99	43	3715	2.353	ug/l	82
74) N-amyl acetate	12.26	43	5839	1.454	ug/l #	60
76) 1,2,3-Trichloropropane	12.64	75	129615	59.475	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129615	126.994	ug/l #	9

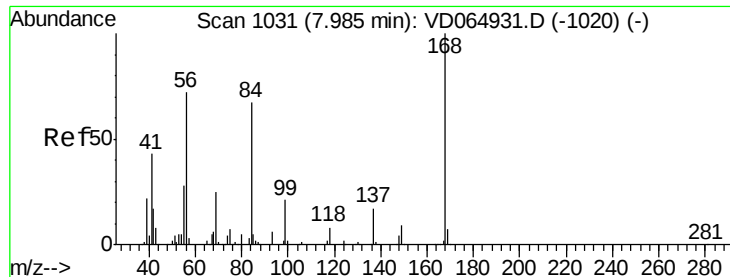
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

Instrument :

MSVOA_D

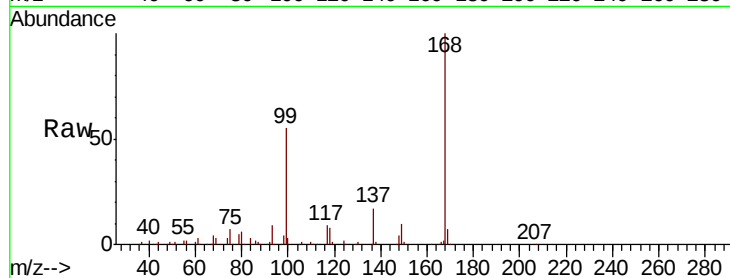
ClientSampleId :

Tot Ion:168 Resp: 371289

Ion Ratio Lower Upper

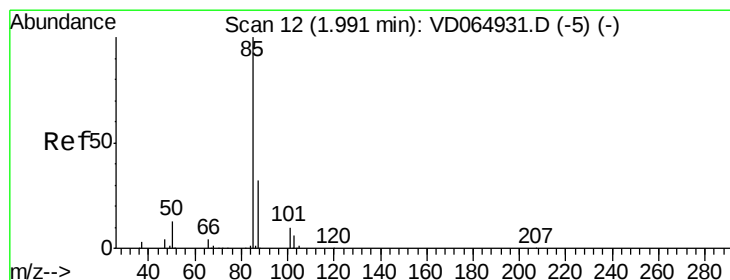
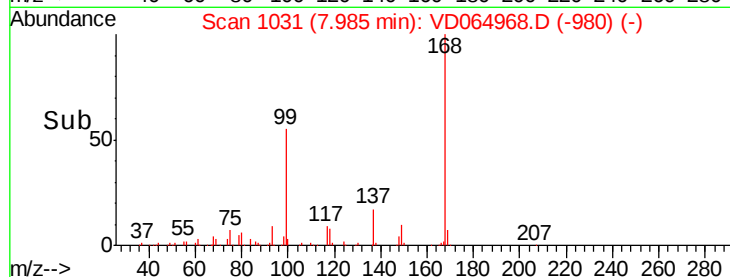
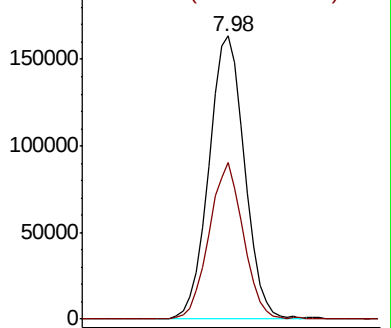
168 100

99 55.2 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.322 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064968.D

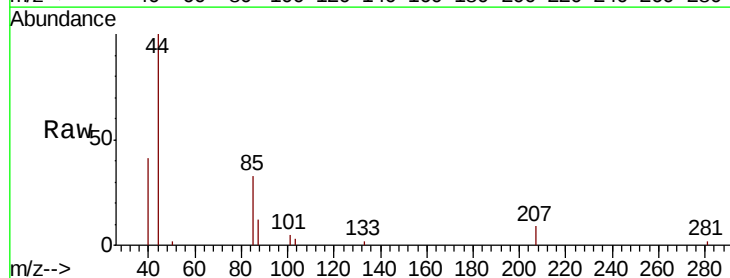
Acq: 27 Jan 2020 17:22

Tgt Ion: 85 Resp: 3699

Ion Ratio Lower Upper

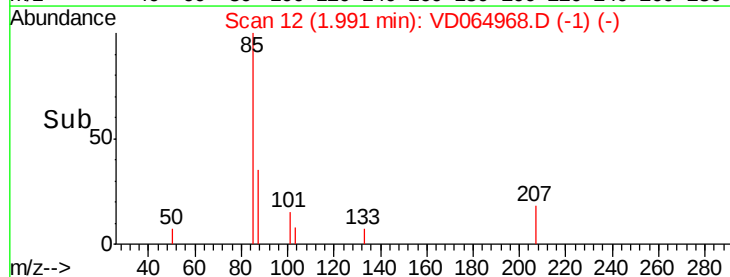
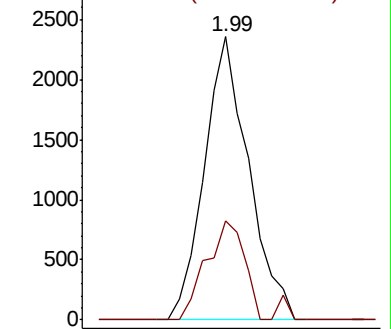
85 100

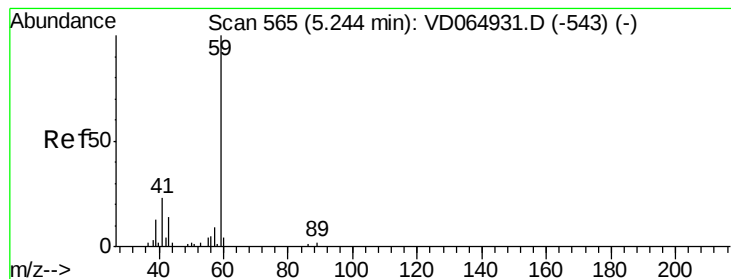
87 34.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



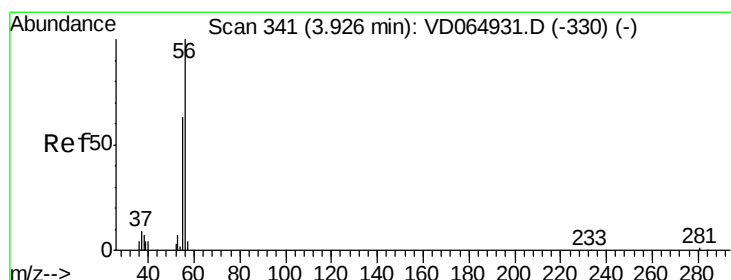
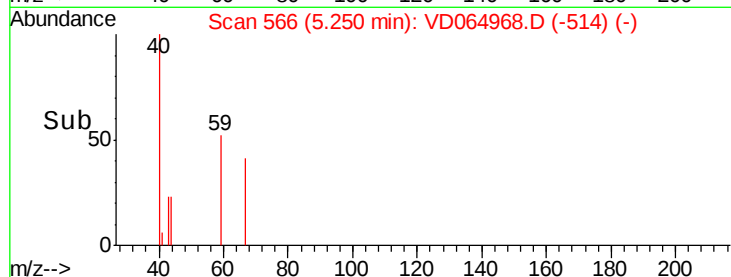
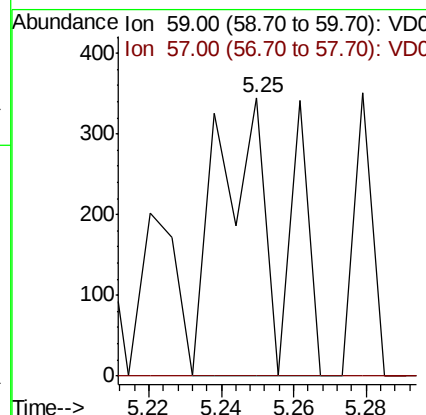
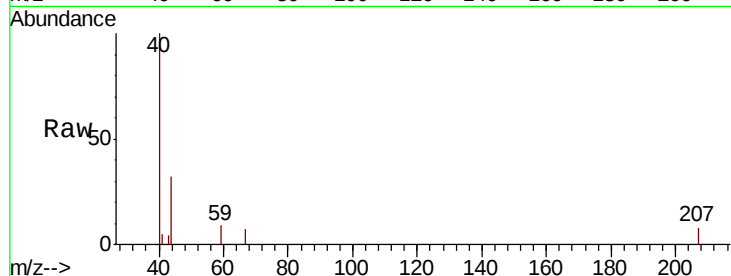


#11

Tert butyl alcohol
 Concen: 2.149 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064968.D
 Acq: 27 Jan 2020 17:22

Instrument :
 MSVOA_D
 ClientSampled :

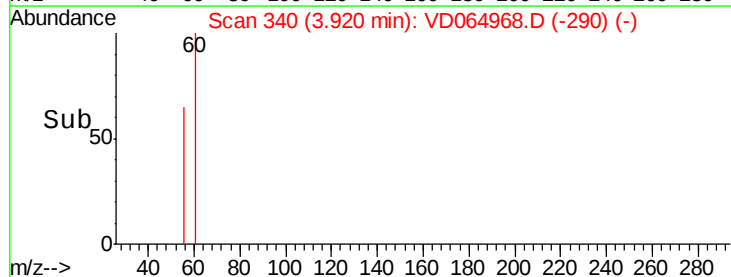
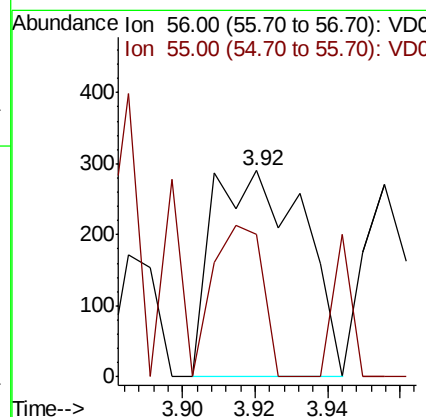
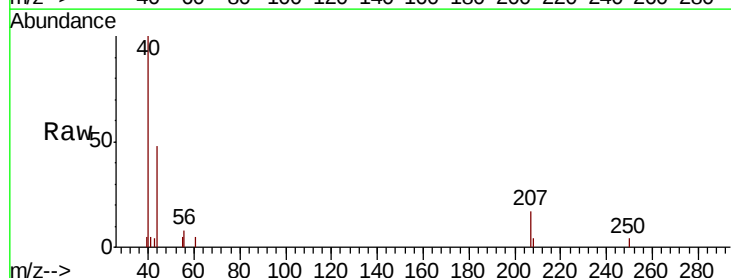
Tot Ion: 59 Resp: 423
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

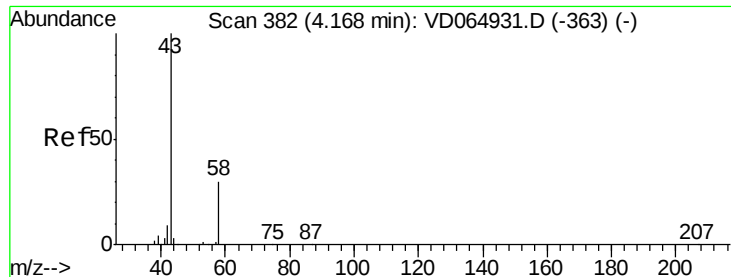


#13

Acrolein
 Concen: 2.063 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064968.D
 Acq: 27 Jan 2020 17:22

Tgt Ion: 56 Resp: 509
 Ion Ratio Lower Upper
 56 100
 55 39.9 59.7 89.5#

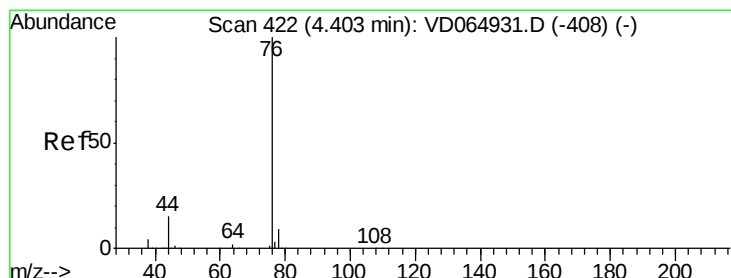
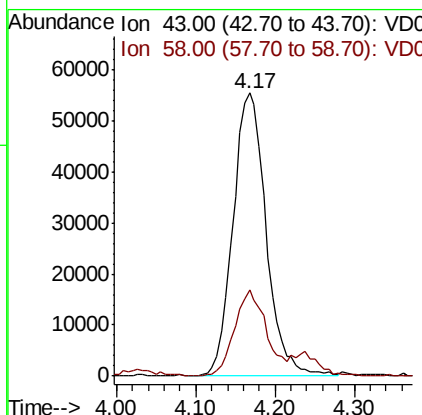
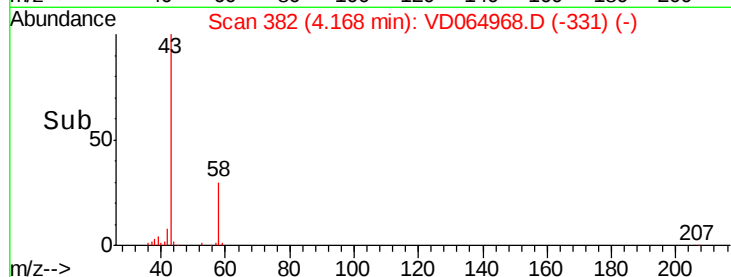
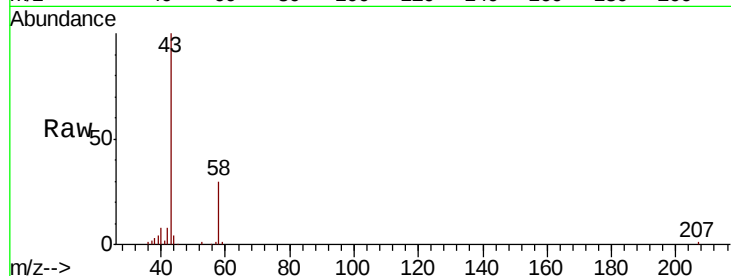




#16
Acetone
Concen: 185.553 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

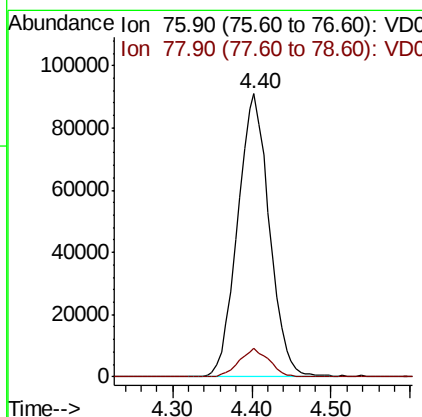
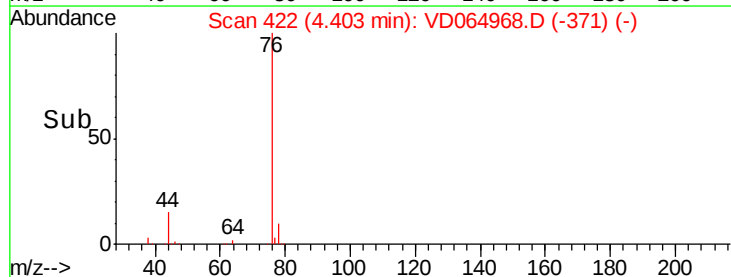
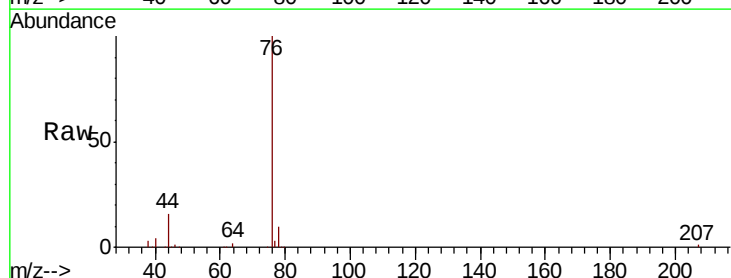
Instrument :
MSVOA_D
ClientSampleId :

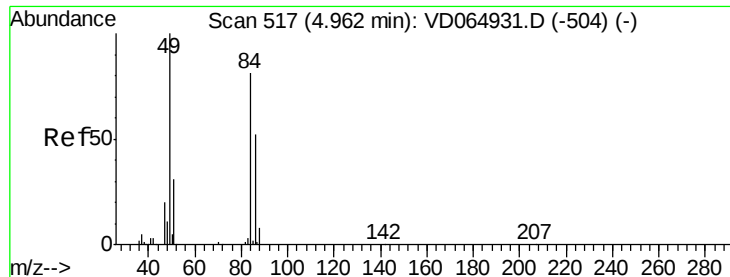
Tot Ion: 43 Resp: 160811
Ion Ratio Lower Upper
43 100
58 30.3 23.8 35.8



#17
Carbon Disulfide
Concen: 23.812 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

Tgt Ion: 76 Resp: 253288
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7

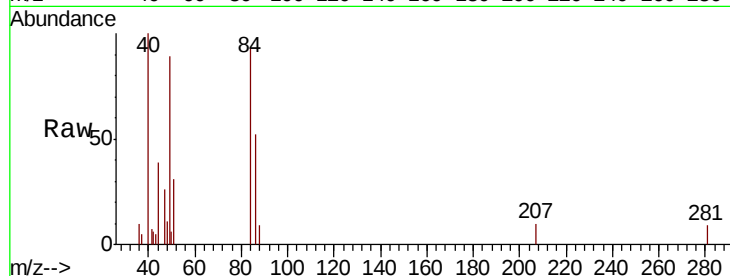




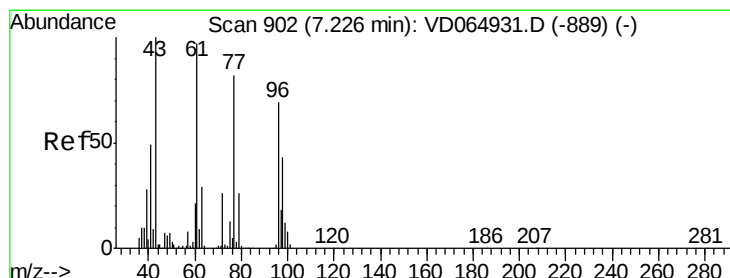
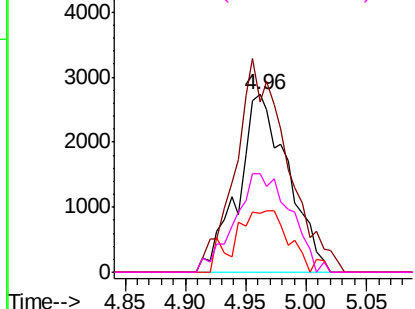
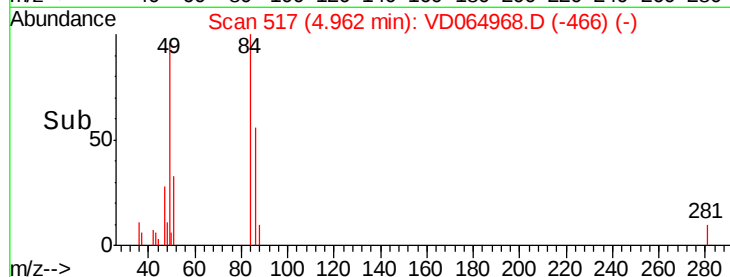
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 7890
Ion Ratio Lower Upper
84 100
49 95.9 98.4 147.6#
51 33.3 30.8 46.2
86 55.7 51.0 76.6

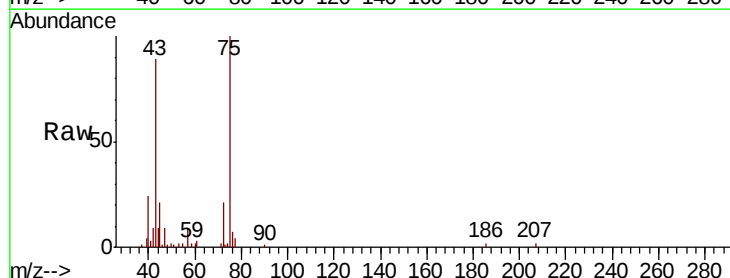


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

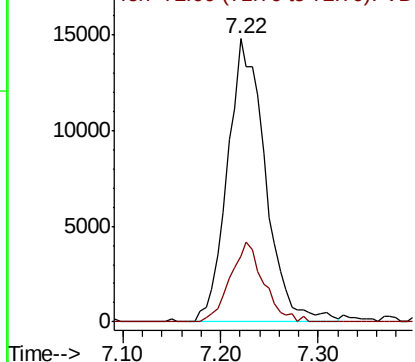
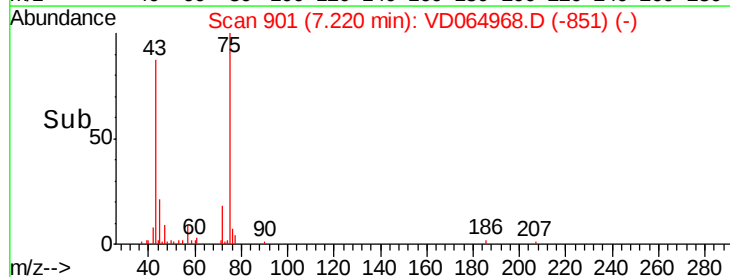


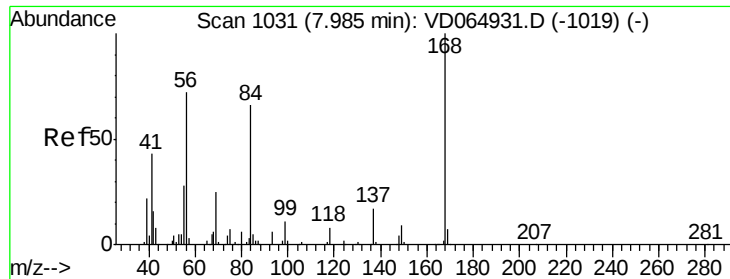
#25
2-Butanone
Concen: 41.426 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

Tgt Ion: 43 Resp: 39859
Ion Ratio Lower Upper
43 100
72 23.3 20.6 31.0



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

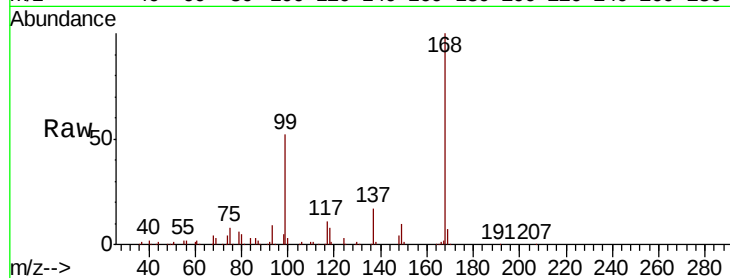




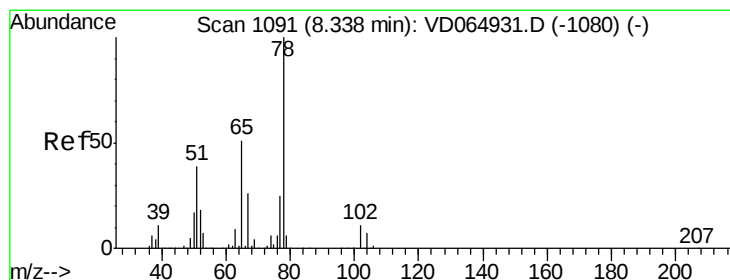
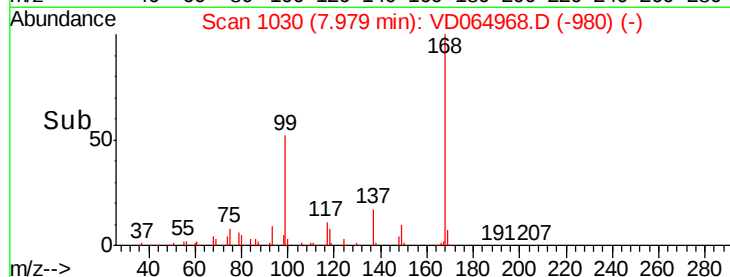
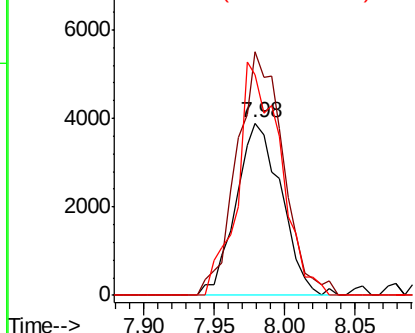
#31
Cyclohexane
Concen: 1.412 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 8759
Ion Ratio Lower Upper
56 100
69 141.2 27.9 41.9#
84 128.0 72.8 109.2#

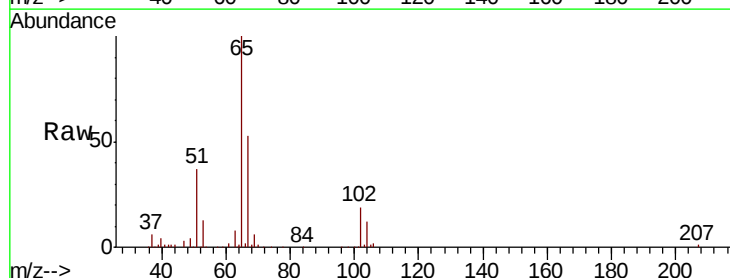


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

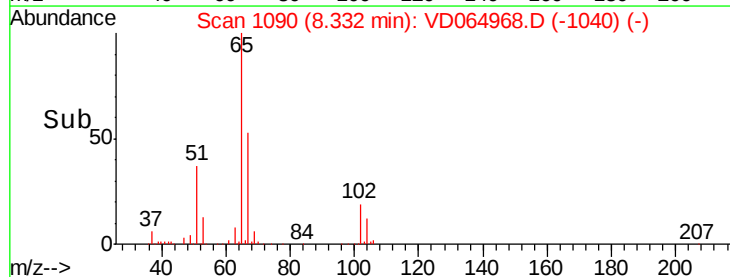
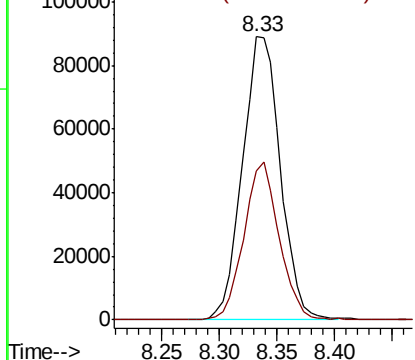


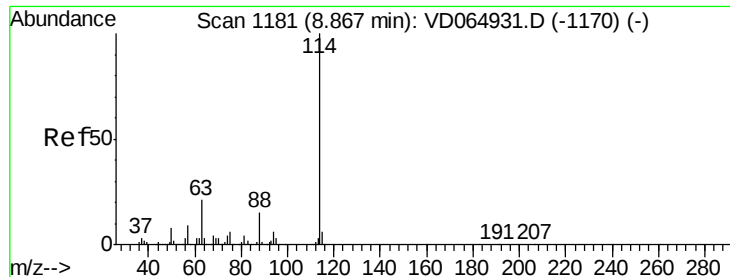
#33
1,2-Dichloroethane-d4
Concen: 57.050 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

Tgt Ion: 65 Resp: 203180
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

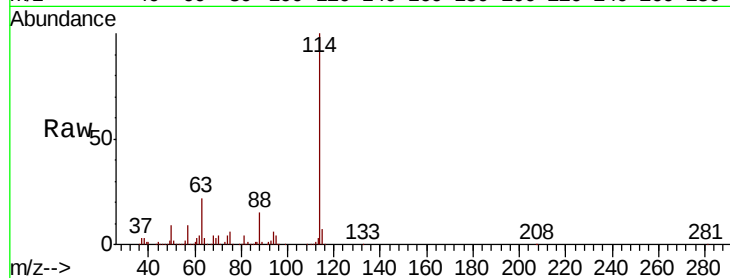
Tot Ion:114 Resp: 604733

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.0

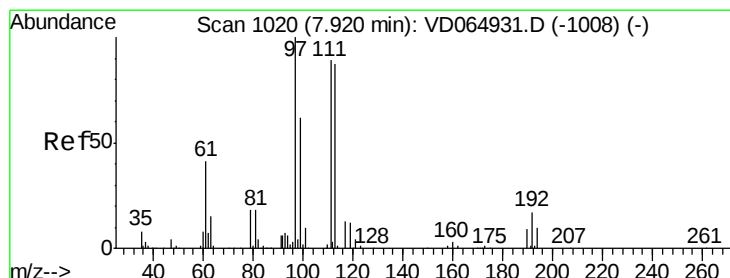
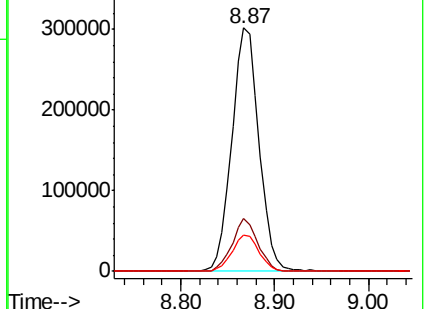
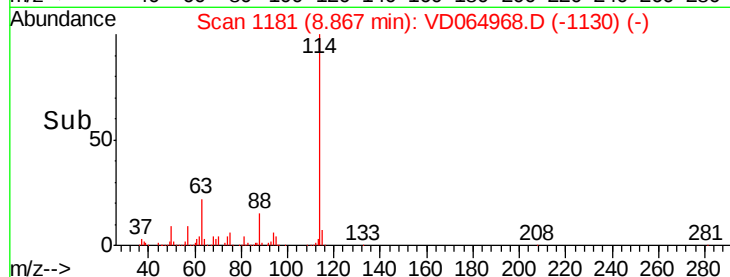
88 15.1 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 24.699 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

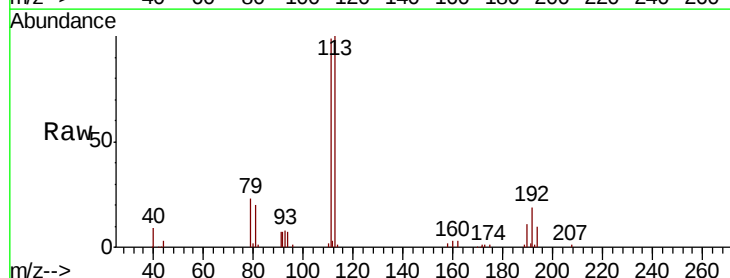
Tgt Ion:113 Resp: 93862

Ion Ratio Lower Upper

113 100

111 101.5 82.4 123.6

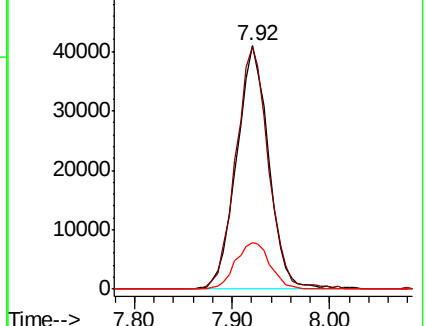
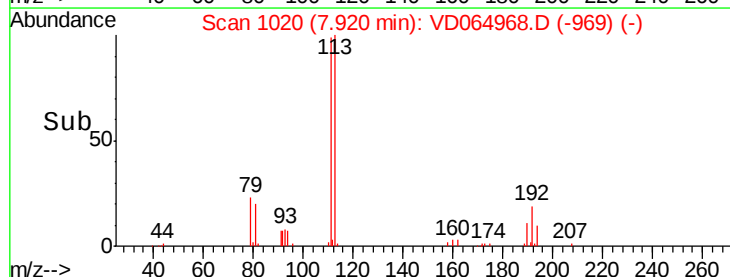
192 20.7 16.9 25.3

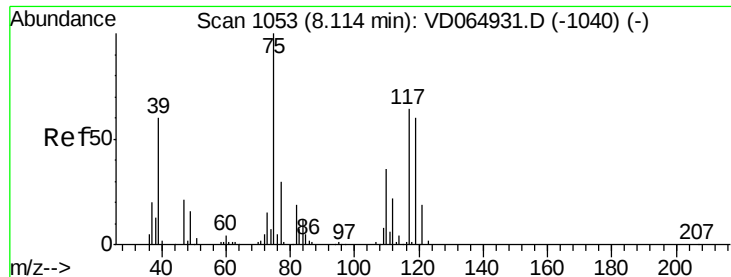


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

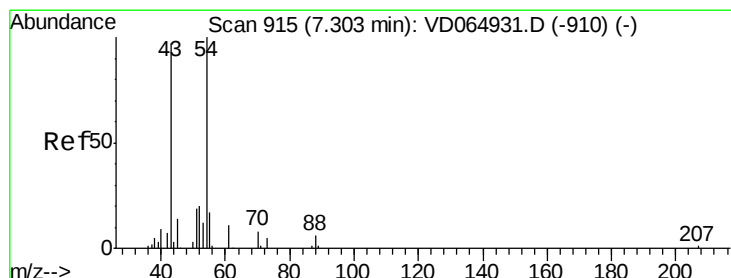
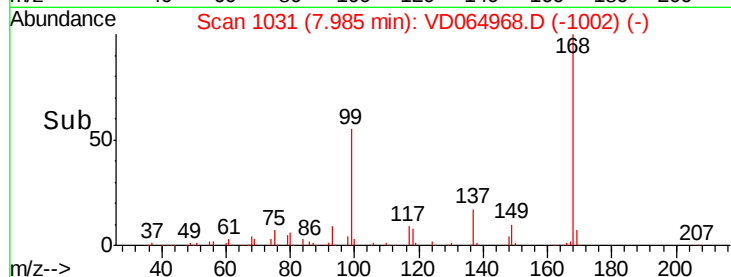
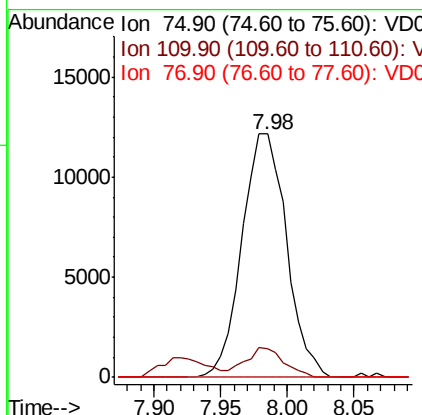
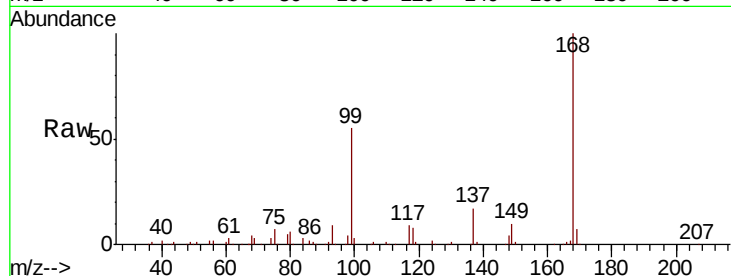




#36
 1,1-Dichloropropene
 Concen: 4.816 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064968.D
 Acq: 27 Jan 2020 17:22

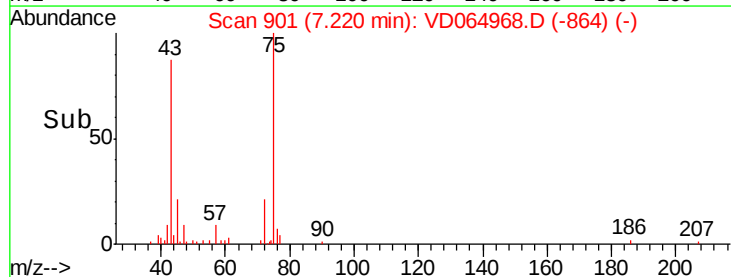
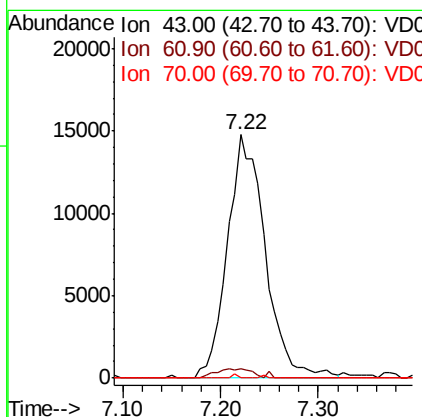
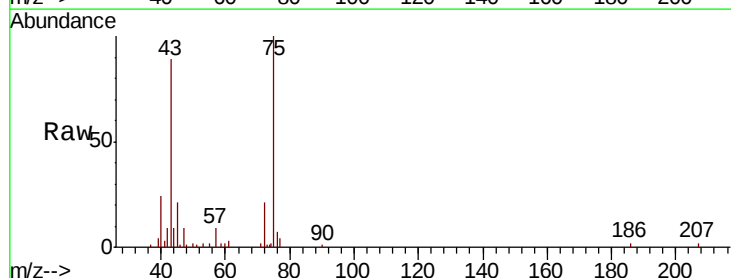
Instrument :
 MSVOA_D
 ClientSampleId :

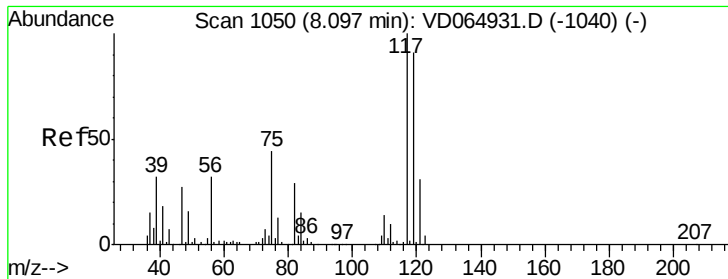
Tot Ion: 75 Resp: 28086
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.3 52.0#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 16.548 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD064968.D
 Acq: 27 Jan 2020 17:22

Tgt Ion: 43 Resp: 39859
 Ion Ratio Lower Upper
 43 100
 61 3.6 11.0 16.4#
 70 0.2 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 6.101 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

Instrument :

MSVOA_D

ClientSampled :

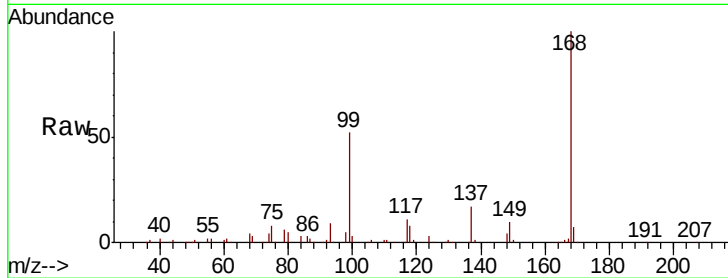
Tot Ion:117 Resp: 37602

Ion Ratio Lower Upper

117 100

119 5.1 73.2 109.8#

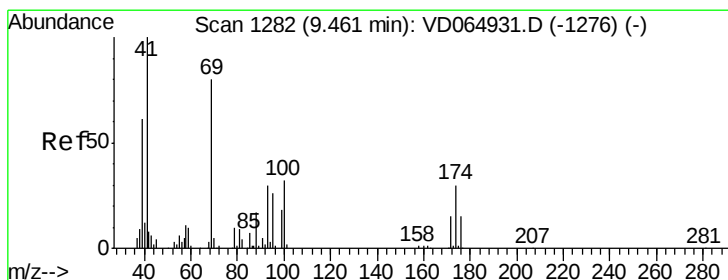
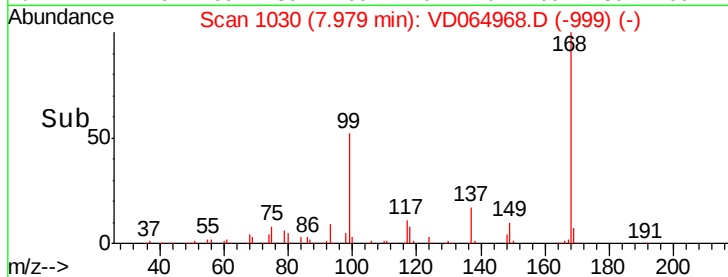
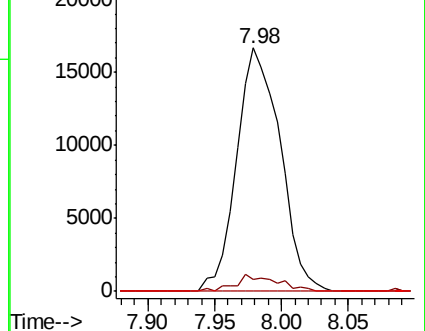
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#48

Methyl methacrylate

Concen: 1.536 ug/l

RT: 9.44 min Scan# 1279

Delta R.T. -0.02 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

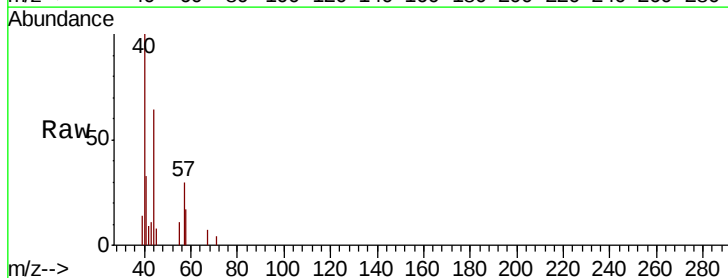
Tgt Ion: 41 Resp: 3235

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

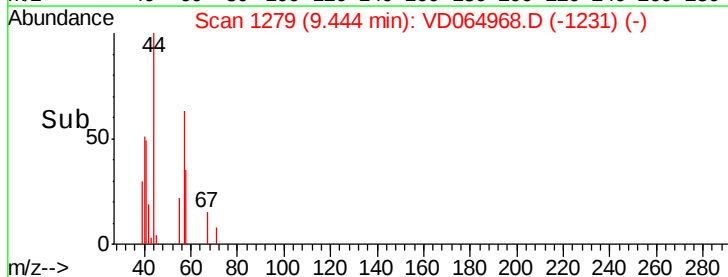
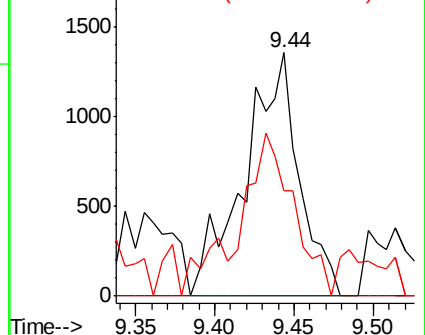
39 67.8 49.4 74.0

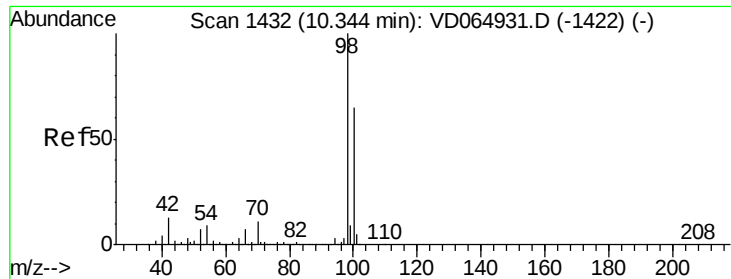


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#50

Toluene-d8

Concen: 49.860 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

Instrument :

MSVOA_D

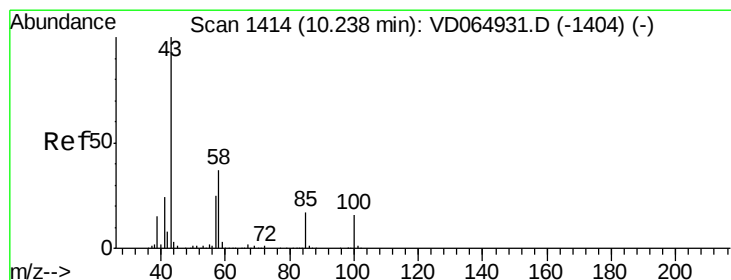
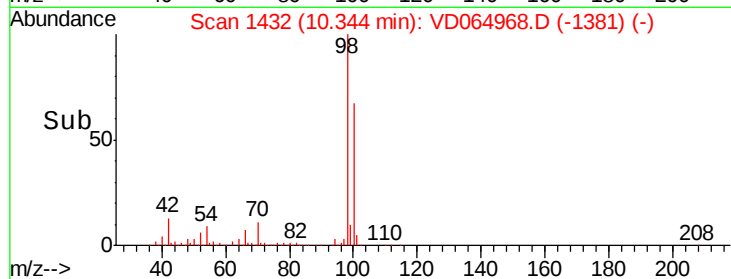
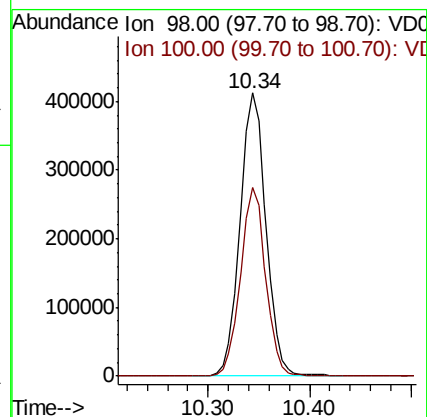
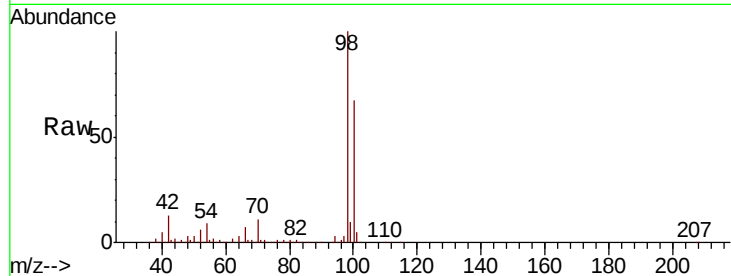
ClientSampleId :

Tot Ion: 98 Resp: 731319

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.438 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD064968.D

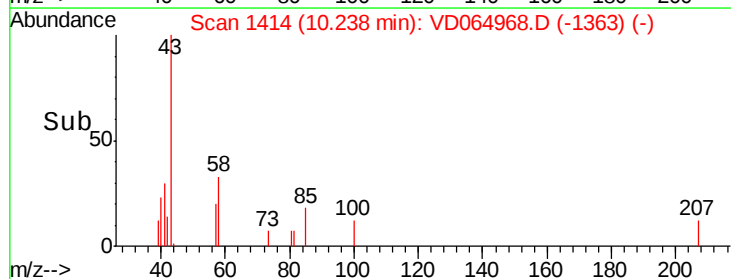
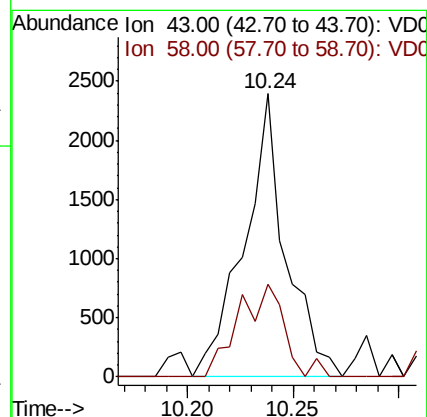
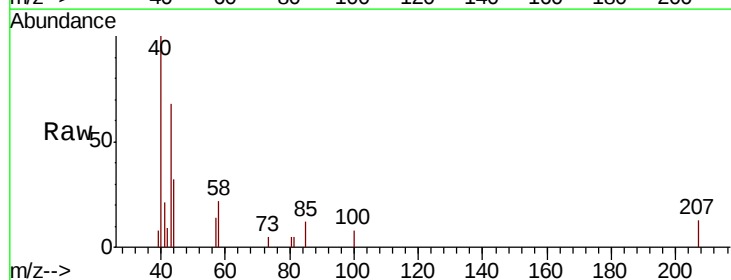
Acq: 27 Jan 2020 17:22

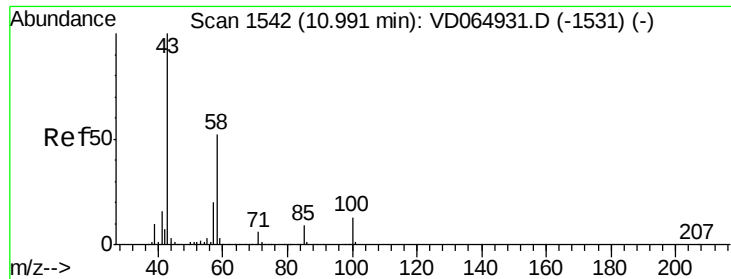
Tgt Ion: 43 Resp: 3291

Ion Ratio Lower Upper

43 100

58 36.3 30.4 45.6

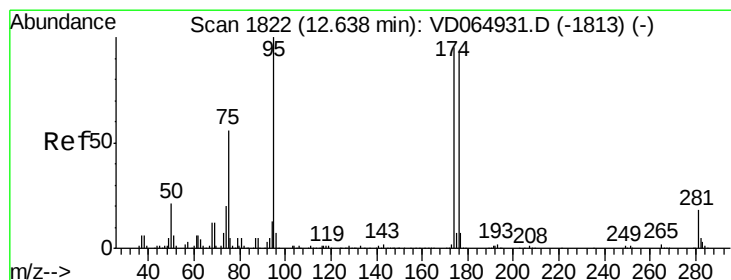
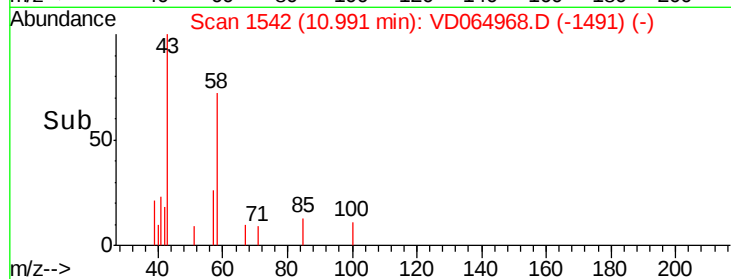
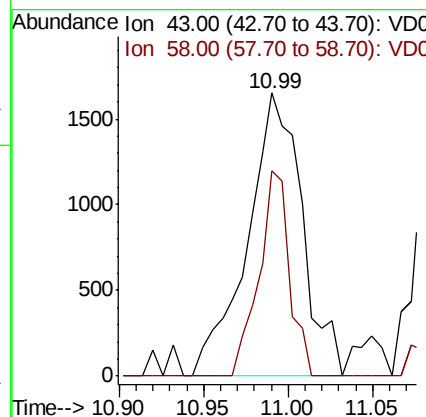
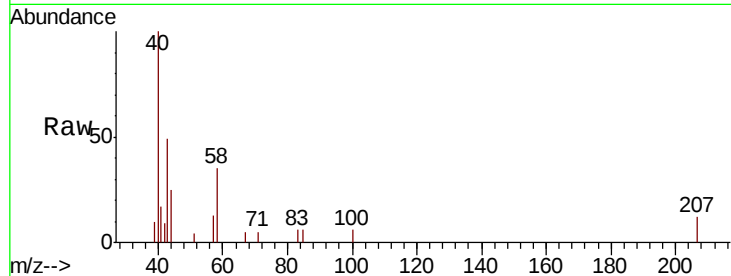




#59
2-Hexanone
Concen: 2.353 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

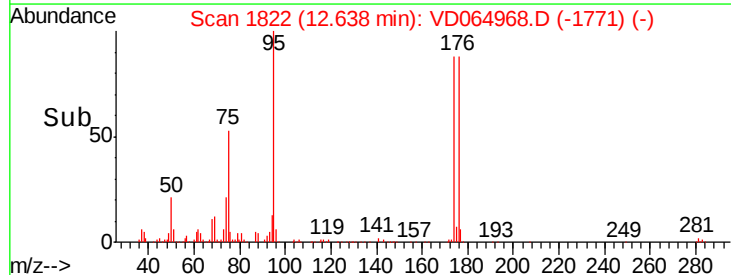
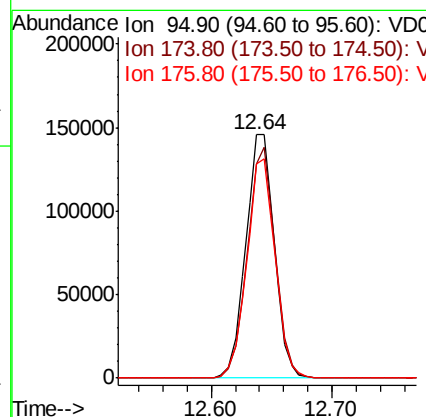
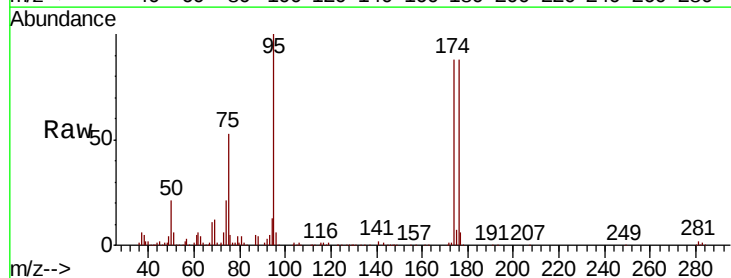
Instrument :
MSVOA_D
ClientSampleId :

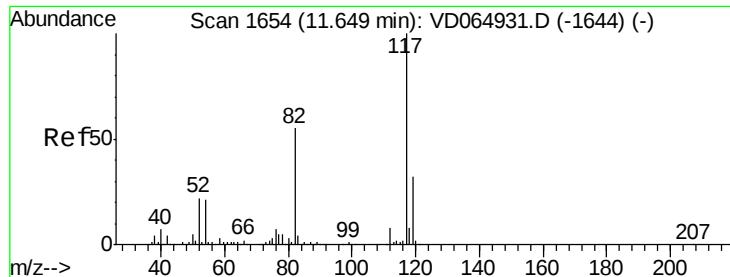
Tot Ion: 43 Resp: 3715
Ion Ratio Lower Upper
43 100
58 40.5 26.5 79.4



#62
4-Bromofluorobenzene
Concen: 53.706 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

Tgt Ion: 95 Resp: 241060
Ion Ratio Lower Upper
95 100
174 92.2 0.0 186.8
176 89.1 0.0 183.4

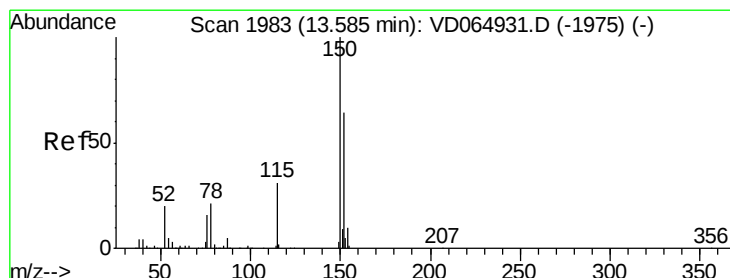
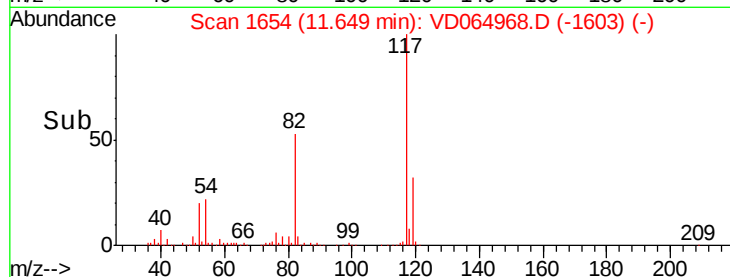
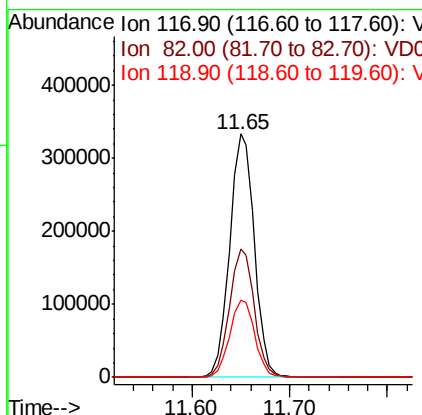
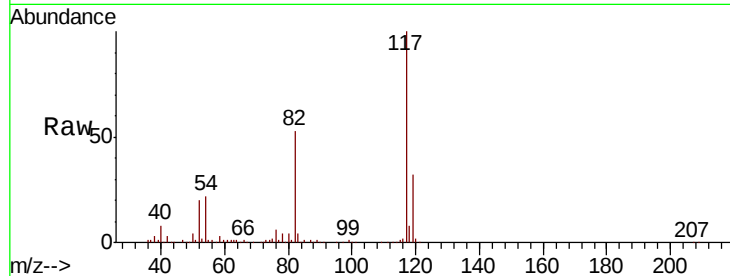




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

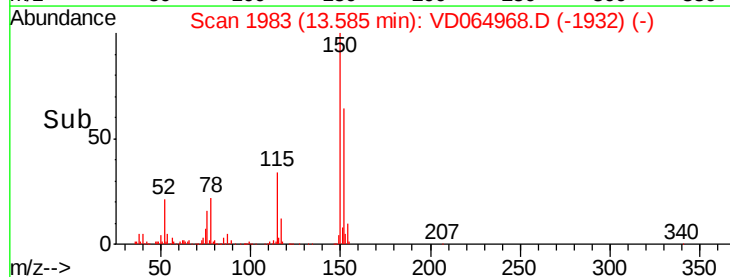
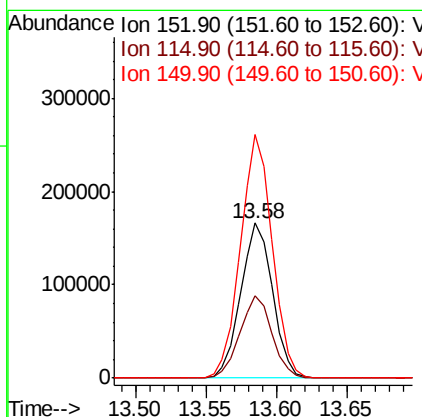
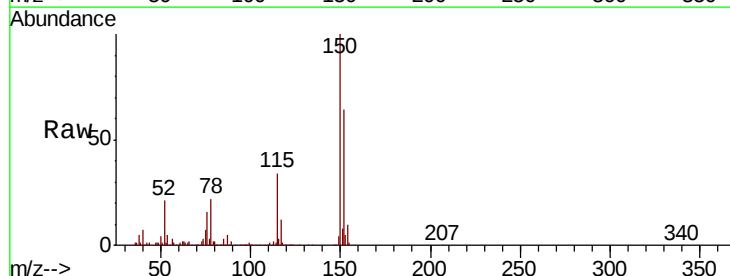
Instrument :
MSVOA_D
ClientSampleId :

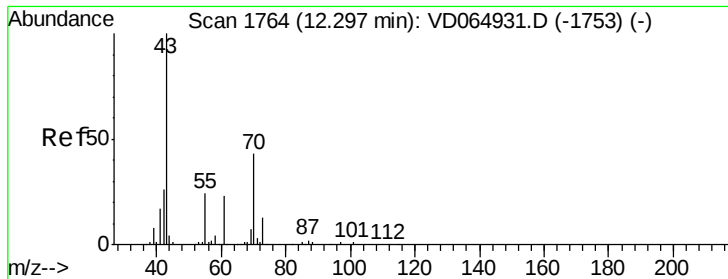
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.6	65.4
119	31.8	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064968.D
Acq: 27 Jan 2020 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	28.1	84.4
150	156.5	0.0	350.4





#74

N-amvl acetate

Concen: 1.454 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.04 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 5839

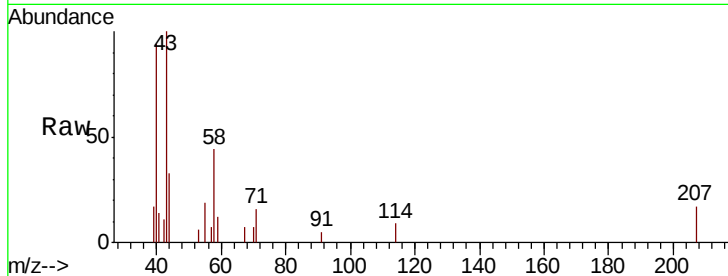
Ion Ratio Lower Upper

43 100

70 6.7 32.6 49.0#

55 20.5 19.9 29.9

61 0.0 18.3 27.5#

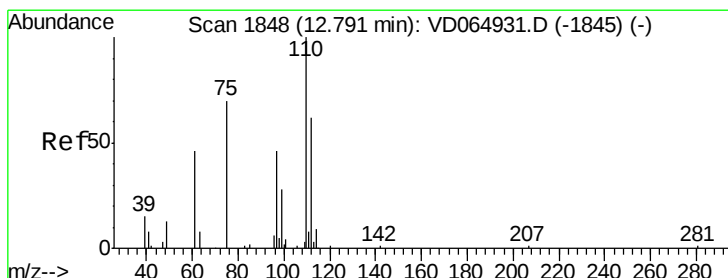
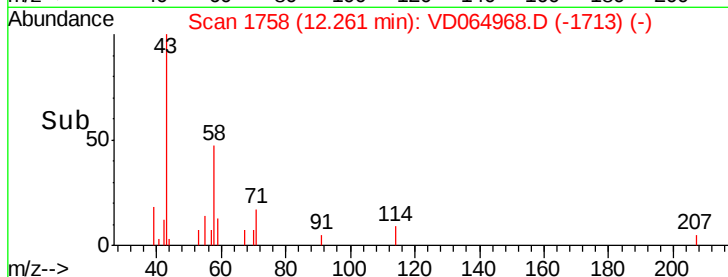
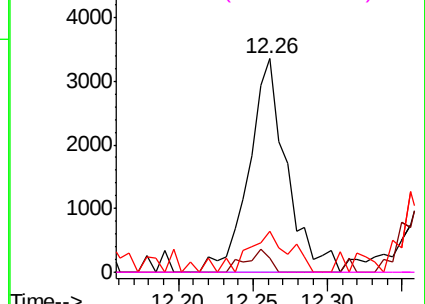


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 59.475 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064968.D

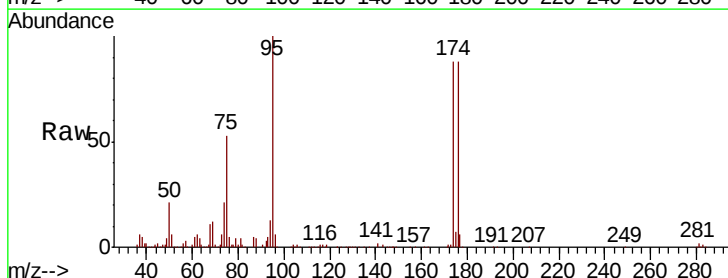
Acq: 27 Jan 2020 17:22

Tgt Ion: 75 Resp: 129615

Ion Ratio Lower Upper

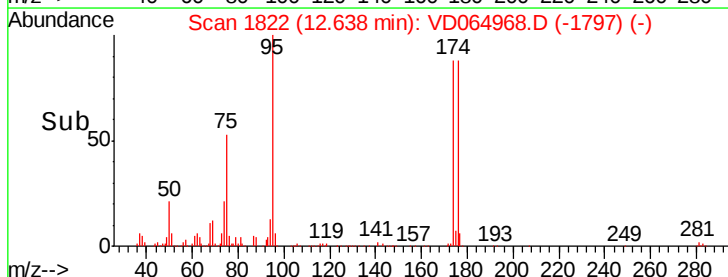
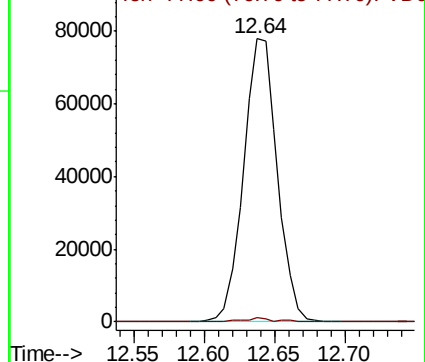
75 100

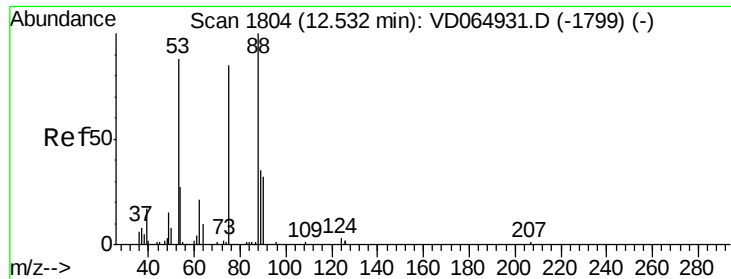
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 126.994 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064968.D

Acq: 27 Jan 2020 17:22

Instrument :

MSVOA_D

ClientSampleId :

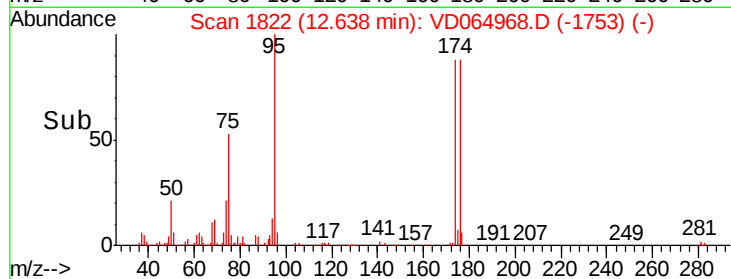
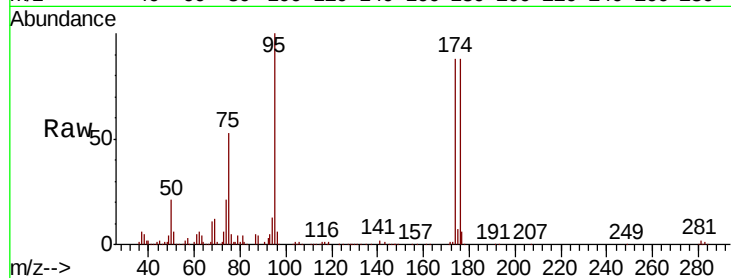
Tot Ion: 75 Resp: 129615

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.4#

89 0.0 36.2 54.4#



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

