

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067216.D
 Acq On : 09 Oct 2020 17:17
 Operator : VA/SY
 Sample : L4316-03
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26414

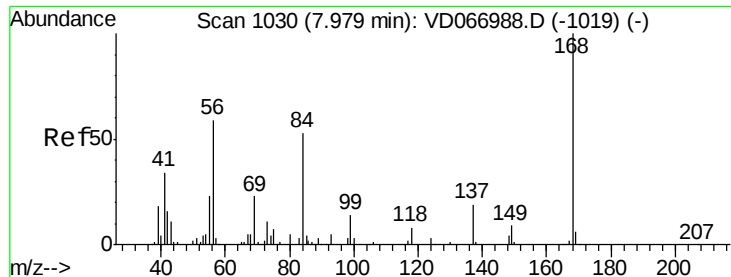
Quant Time: Oct 09 23:47:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	759936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	682905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271759	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	219406	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	7.92	113	242783	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.34	98	878322	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.64	95	284627	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	254	Below Cal	#	40
5) Bromomethane	2.77	94	272	Below Cal	#	70
11) Tert butyl alcohol	5.22	59	690	Below Cal	#	72
16) Acetone	4.16	43	1958	2.888	ug/l #	42
20) Methylene Chloride	4.97	84	11263	Below Cal	#	83
26) 2,2-Dichloropropane	7.20	77	900	Below Cal	#	53
31) Cyclohexane	7.98	56	8161	1.223	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33175	4.683	ug/l #	53
38) Carbon Tetrachloride	7.98	117	45687	5.961	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	136082	57.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	136082	143.326	ug/l #	12

(#) = 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. 0.00 min

Lab File: VD067216.D

Acq: 09 Oct 2020 17:17

Instrument :

MSVOA_D

ClientSampleId :

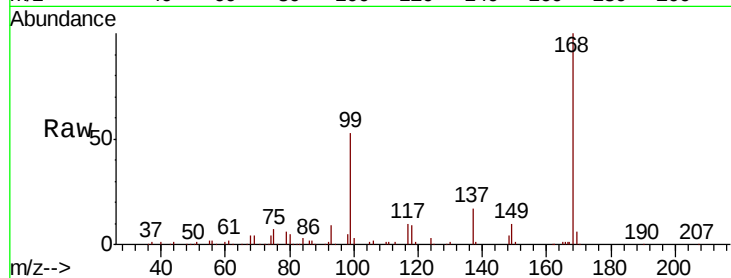
26414

Tot Ion:168 Resp: 461168

Ion Ratio Lower Upper

168 100

99 53.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

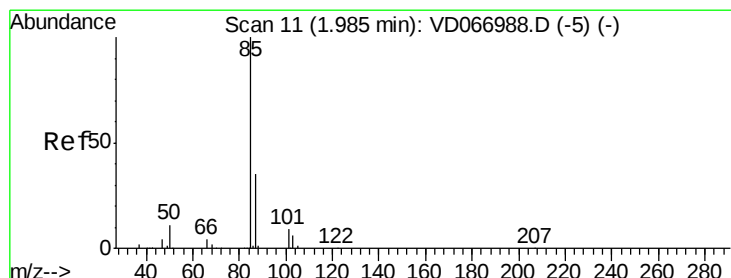
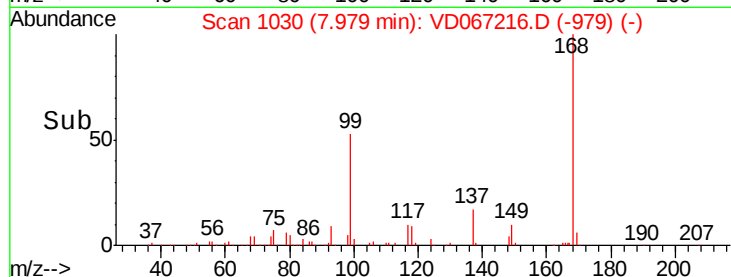
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067216.D

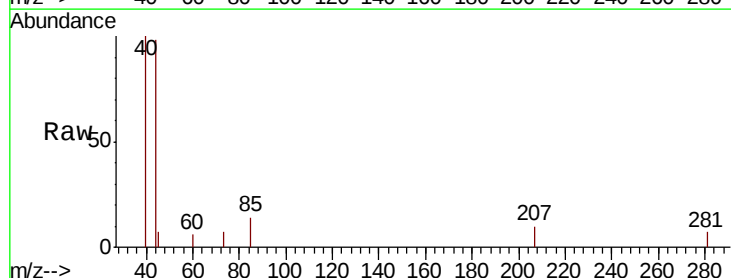
Acq: 09 Oct 2020 17:17

Tgt Ion: 85 Resp: 254

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

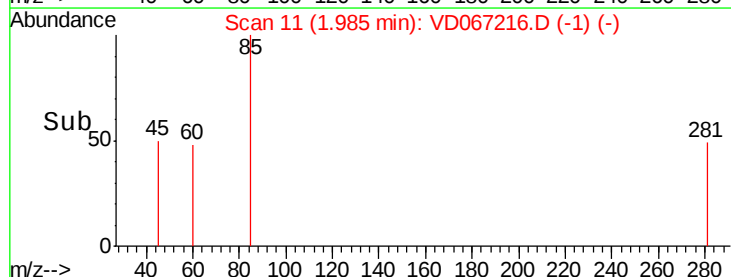
300

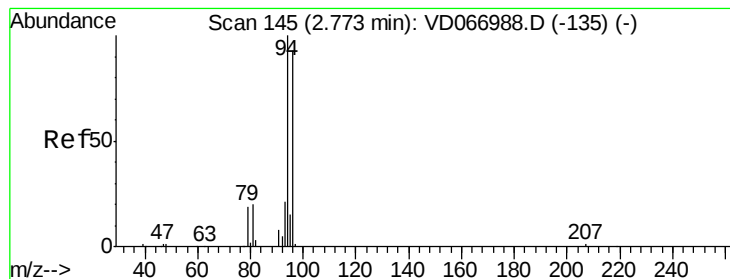
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067216.D

Acq: 09 Oct 2020 17:17

Instrument :

MSVOA_D

ClientSampleId :

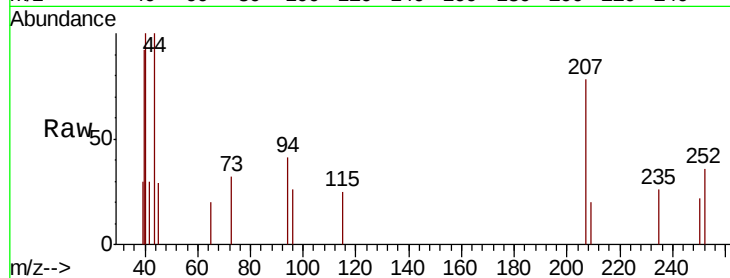
26414

Tot Ion: 94 Resp: 272

Ion Ratio Lower Upper

94 100

96 64.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

300

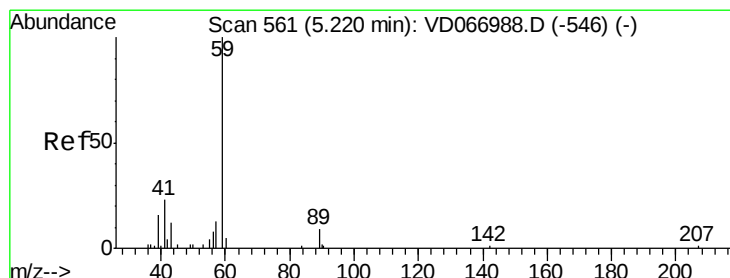
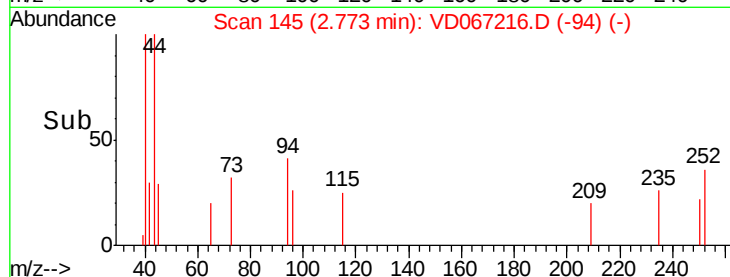
200

100

0

2.76 2.78 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD067216.D

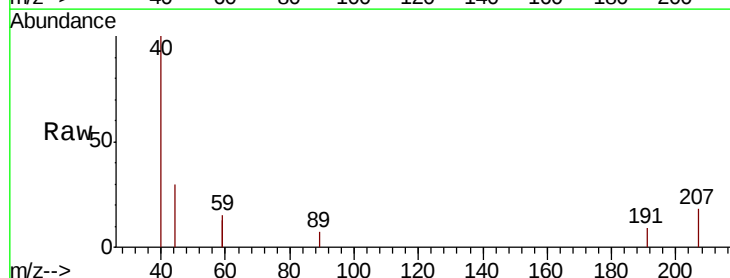
Acq: 09 Oct 2020 17:17

Tgt Ion: 59 Resp: 690

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

600

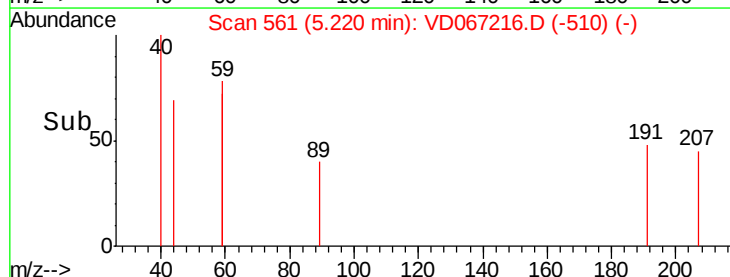
400

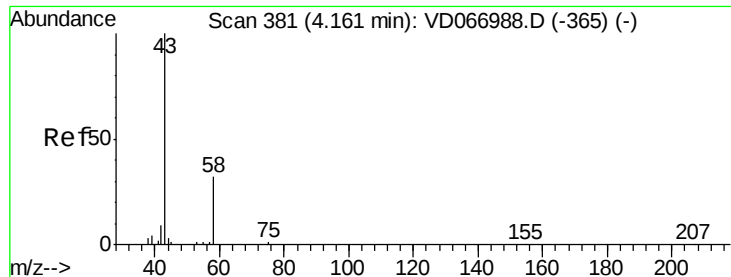
200

0

5.20 5.22 5.24

Time-->

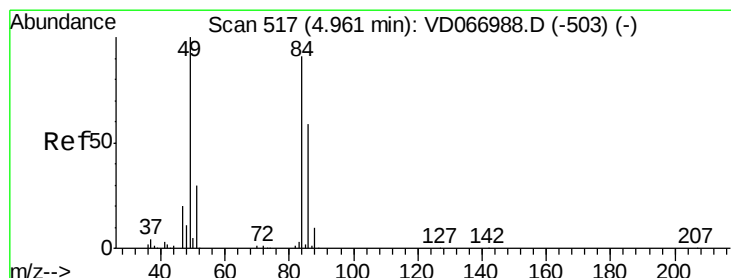
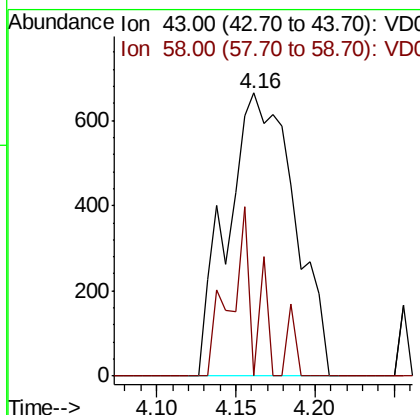
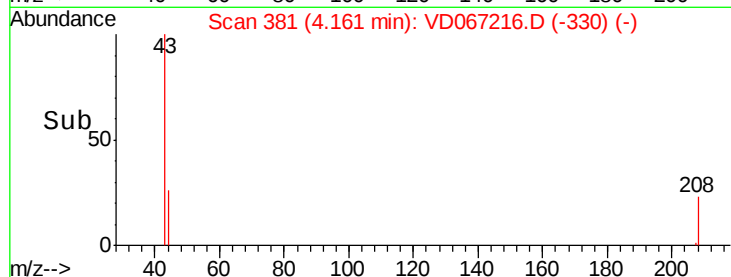
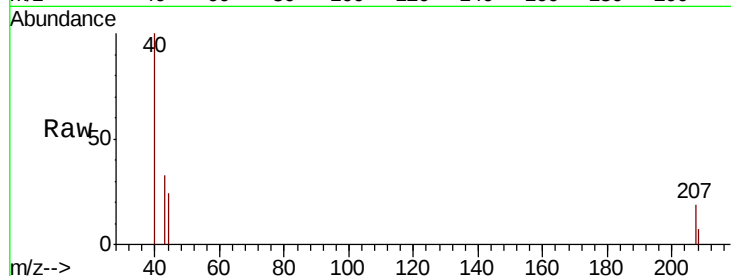




#16
Acetone
Concen: 2.888 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD067216.D
Acq: 09 Oct 2020 17:17

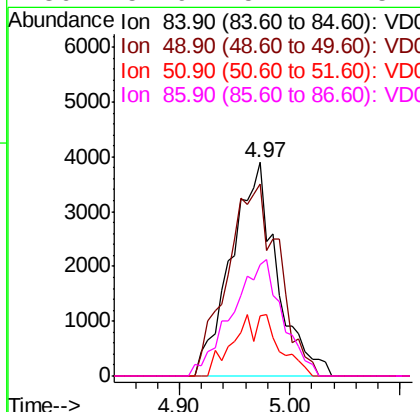
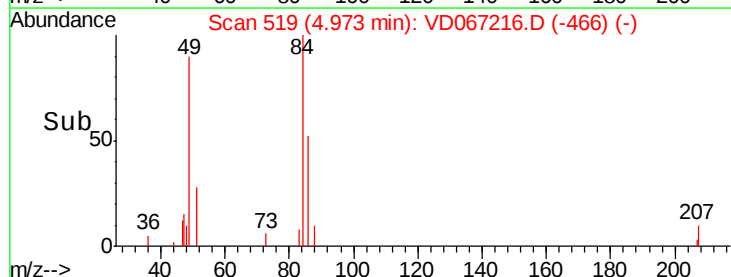
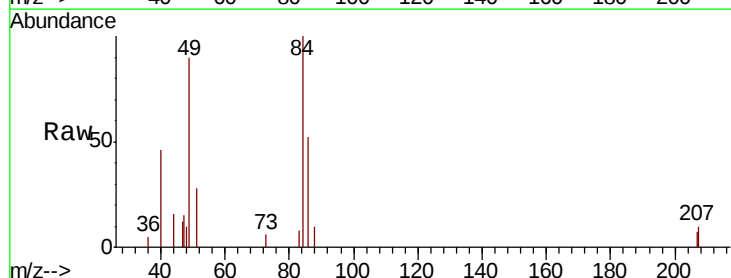
Instrument :
MSVOA_D
ClientSampleId :
26414

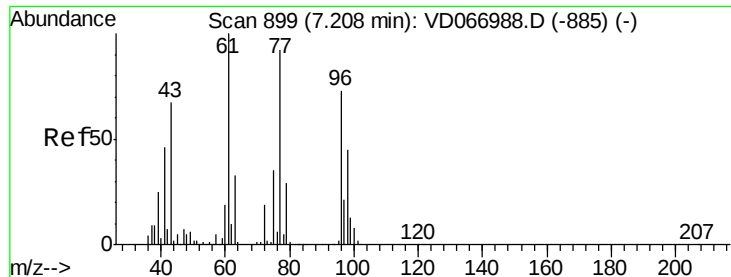
Tot Ion: 43 Resp: 1958
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067216.D
Acq: 09 Oct 2020 17:17

Tgt Ion: 84 Resp: 11263
Ion Ratio Lower Upper
84 100
49 90.1 88.2 132.2
51 28.0 26.6 39.8
86 51.9 52.1 78.1#

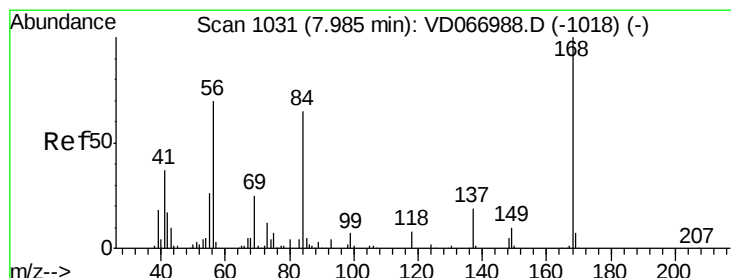
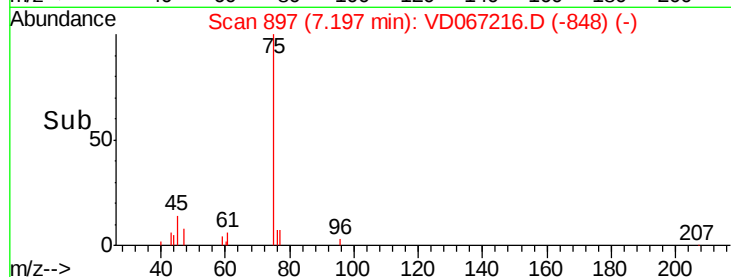
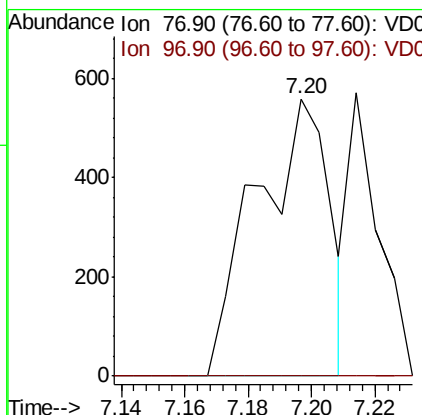
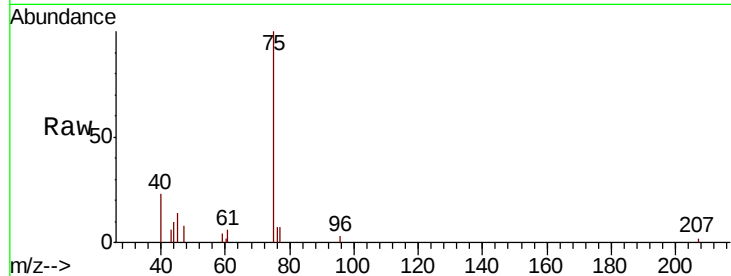




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067216.D
Acq: 09 Oct 2020 17:17

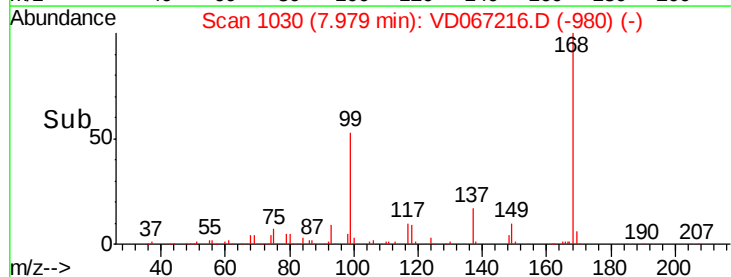
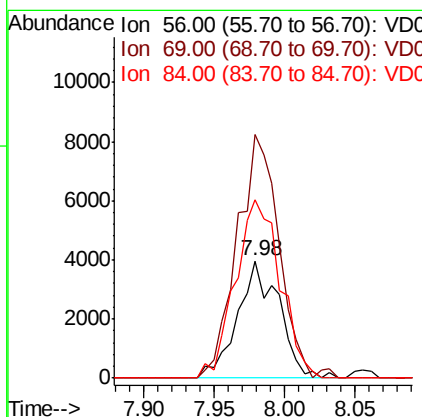
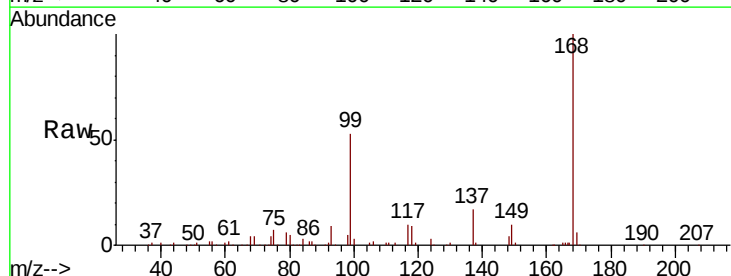
Instrument :
MSVOA_D
ClientSampleId :
26414

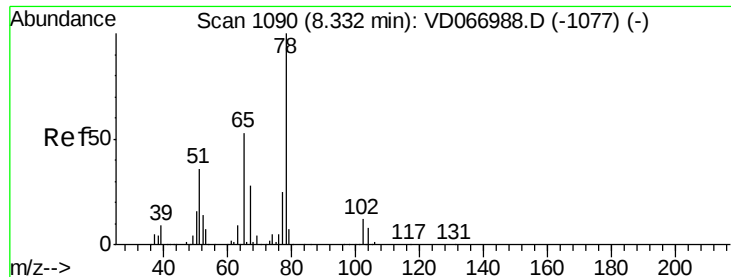
Tot Ion: 77 Resp: 900
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067216.D
Acq: 09 Oct 2020 17:17

Tgt Ion: 56 Resp: 8161
Ion Ratio Lower Upper
56 100
69 208.3 29.0 43.6#
84 153.1 74.2 111.2#

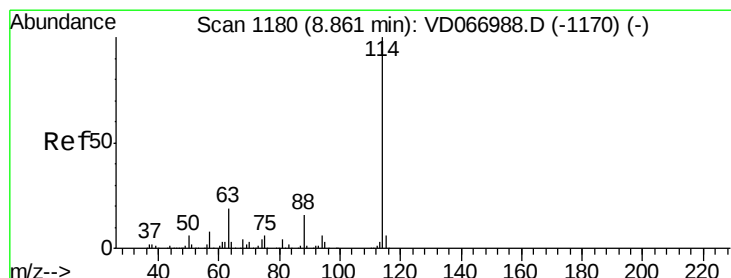
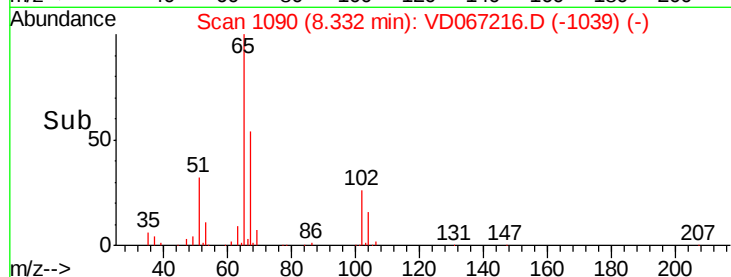
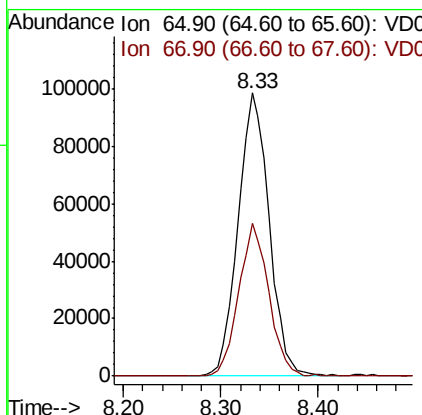
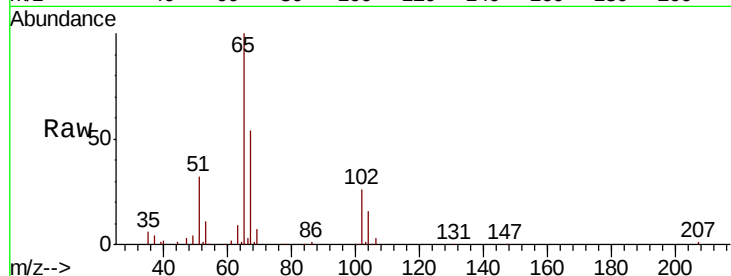




#33
 1,2-Dichloroethane-d4
 Concen: 49.394 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067216.D
 Acq: 09 Oct 2020 17:17

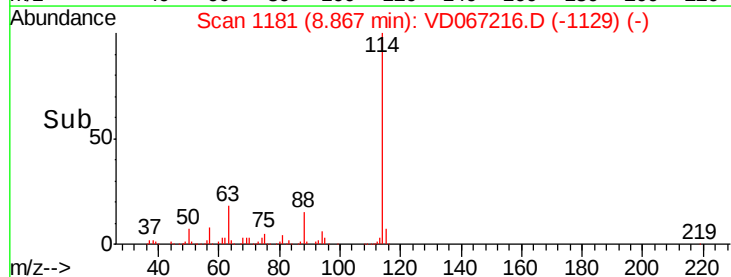
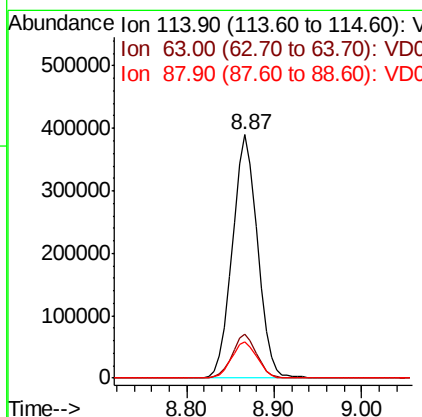
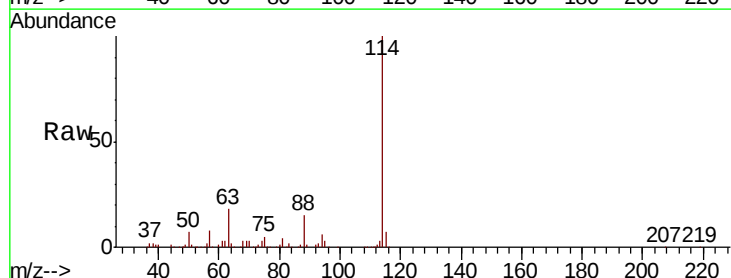
Instrument :
 MSVOA_D
 ClientSampleId :
 26414

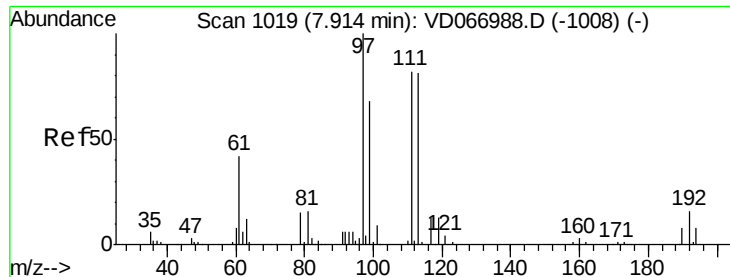
Tot Ion: 65 Resp: 219406
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067216.D
 Acq: 09 Oct 2020 17:17

Tgt Ion: 114 Resp: 759936
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.4
 88 14.7 0.0 31.2

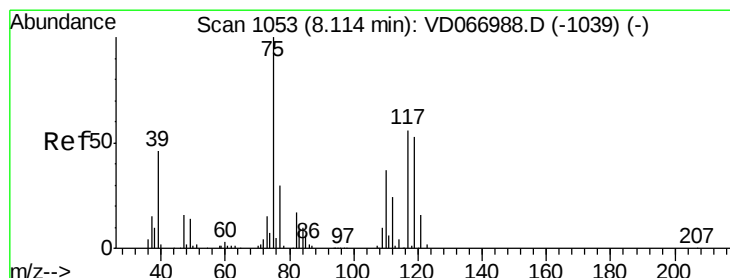
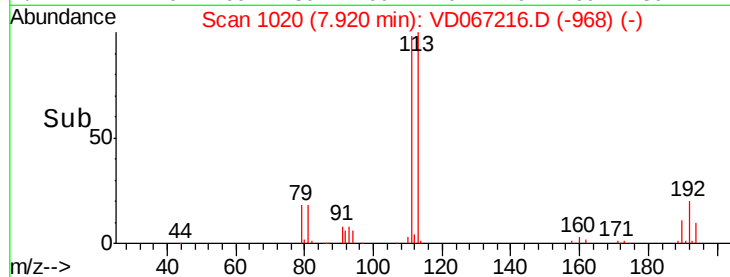
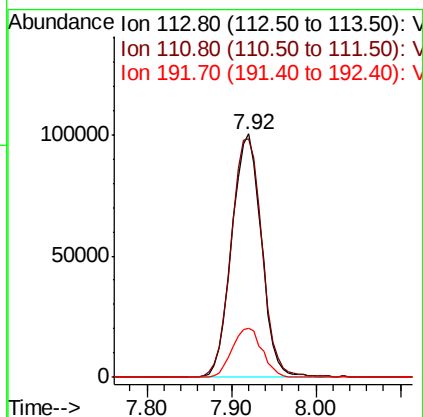
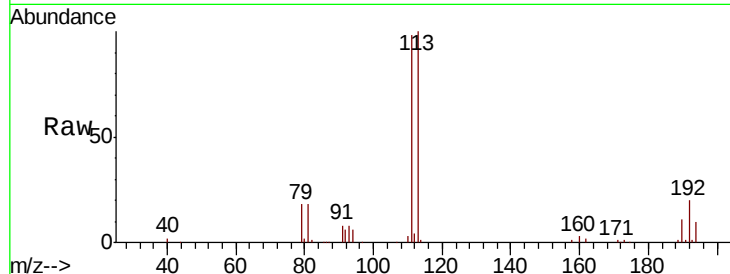




#35
 Dibromofluoromethane
 Concen: 48.799 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067216.D
 Acq: 09 Oct 2020 17:17

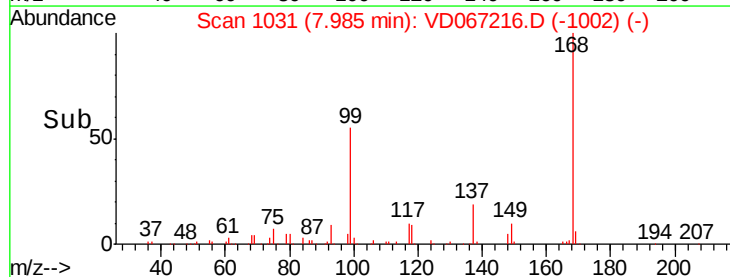
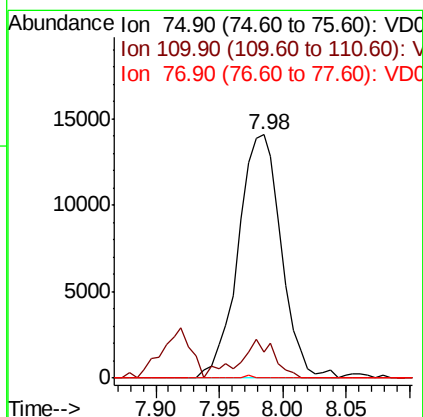
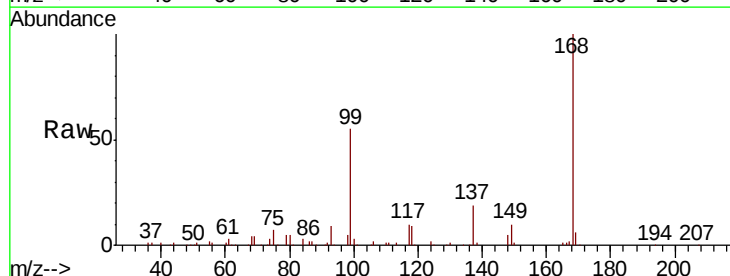
Instrument :
 MSVOA_D
 ClientSampled :
 26414

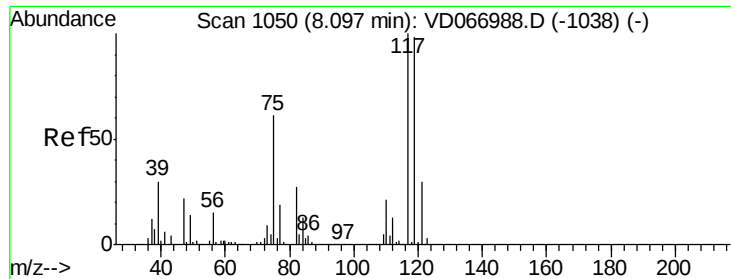
Tot Ion:113 Resp: 242783
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.0 124.4
 192 20.5 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067216.D
 Acq: 09 Oct 2020 17:17

Tgt Ion: 75 Resp: 33175
 Ion Ratio Lower Upper
 75 100
 110 13.1 18.4 55.0#
 77 0.2 24.8 37.2#

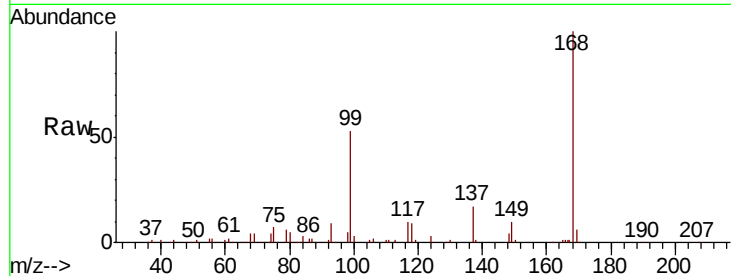




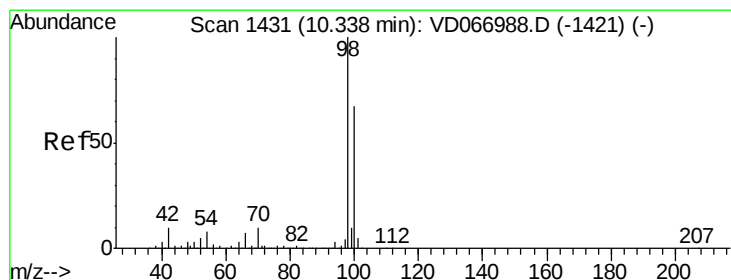
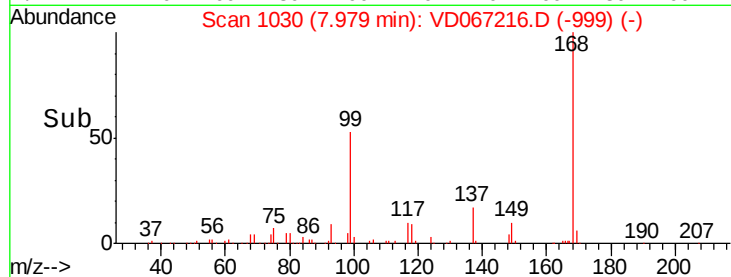
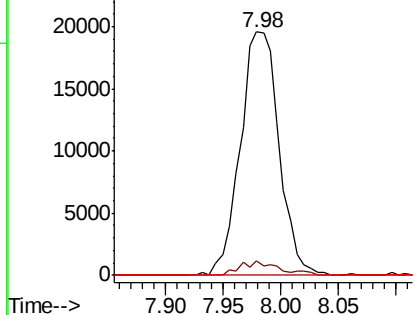
#38
Carbon Tetrachloride
Concen: 5.961 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067216.D
Acq: 09 Oct 2020 17:17

Instrument :
MSVOA_D
ClientSampleId :
26414

Tot Ion:117 Resp: 45687
Ion Ratio Lower Upper
117 100
119 6.1 78.7 118.1#
121 0.0 24.2 36.2#

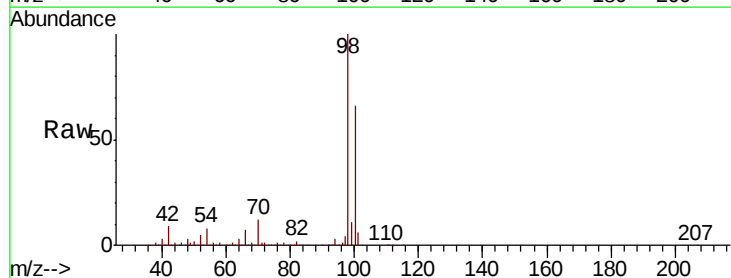


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

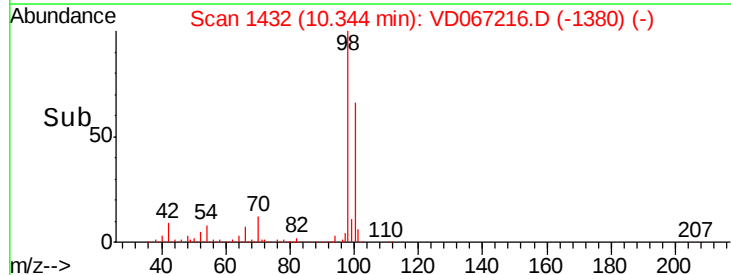
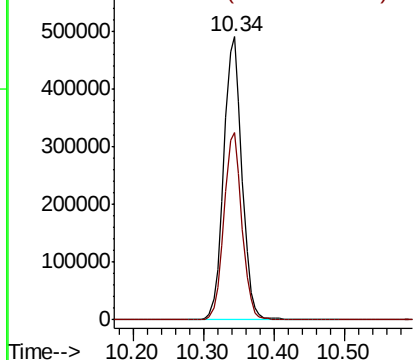


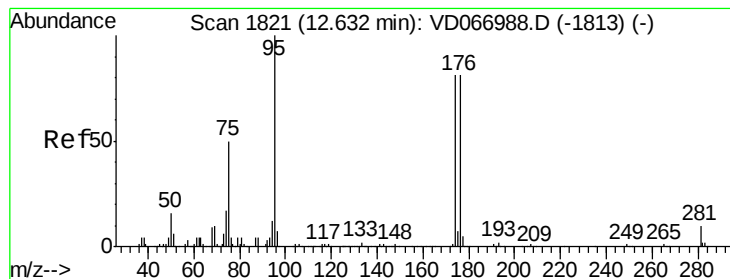
#50
Toluene-d8
Concen: 48.449 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067216.D
Acq: 09 Oct 2020 17:17

Tgt Ion: 98 Resp: 878322
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



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





#62

4-Bromofluorobenzene

Concen: 46.248 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067216.D

Acq: 09 Oct 2020 17:17

Instrument :

MSVOA_D

ClientSampleId :

26414

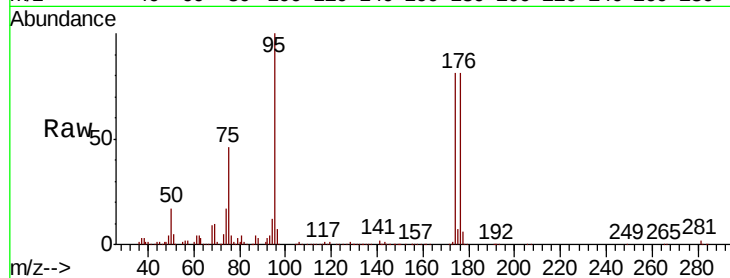
Tot Ion: 95 Resp: 284627

Ion Ratio Lower Upper

95 100

174 84.6 0.0 167.6

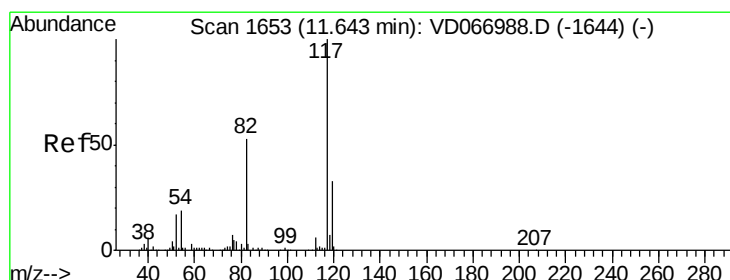
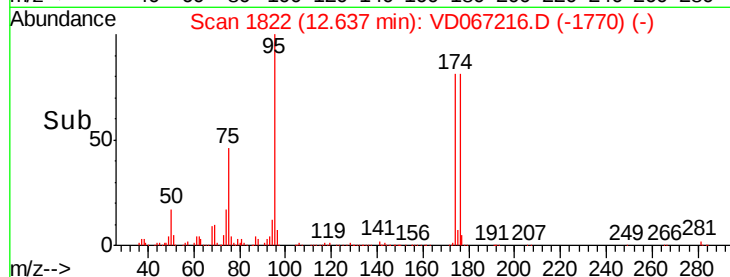
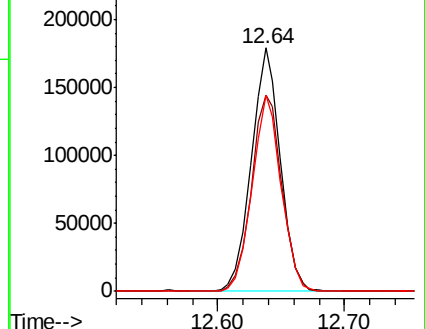
176 80.8 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD067216.D

Acq: 09 Oct 2020 17:17

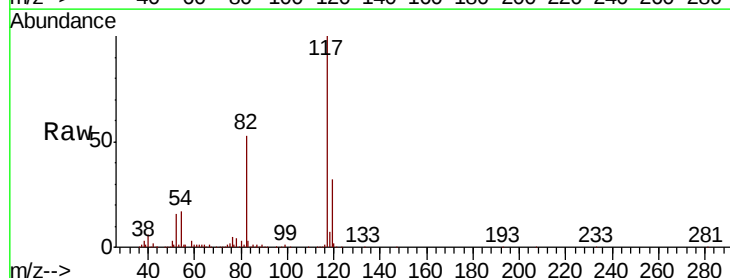
Tgt Ion: 117 Resp: 682905

Ion Ratio Lower Upper

117 100

82 52.5 42.6 63.8

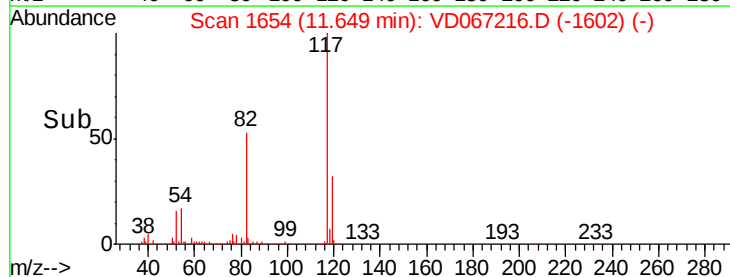
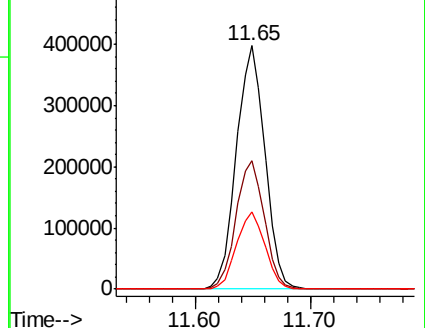
119 31.9 26.3 39.5

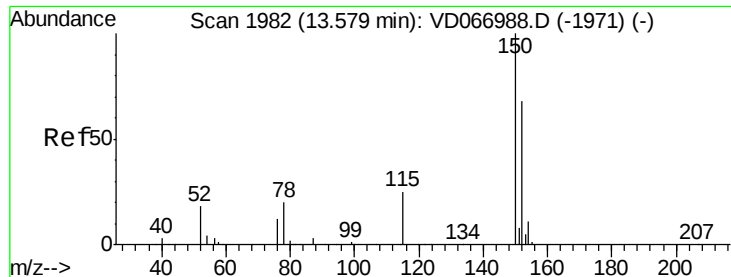


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067216.D

Acq: 09 Oct 2020 17:17

Instrument :

MSVOA_D

ClientSampleId :

26414

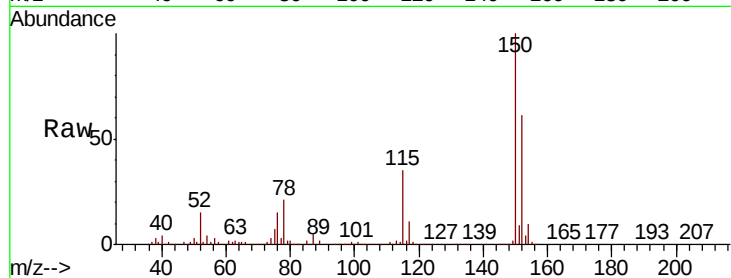
Tot Ion:152 Resp: 271759

Ion Ratio Lower Upper

152 100

115 59.5 29.6 88.8

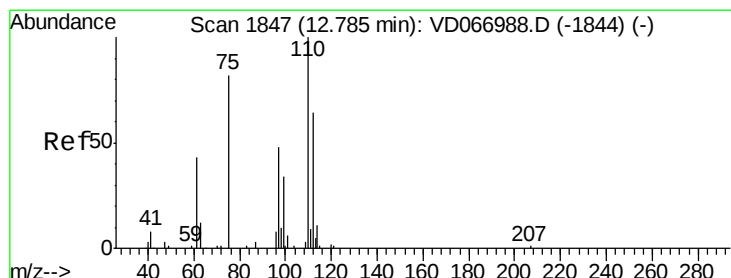
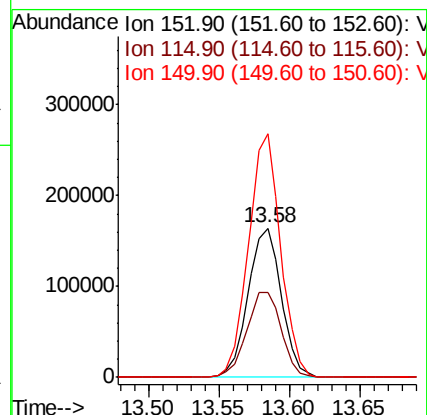
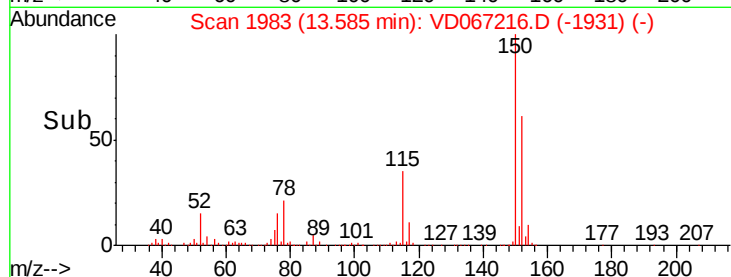
150 157.3 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 57.489 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067216.D

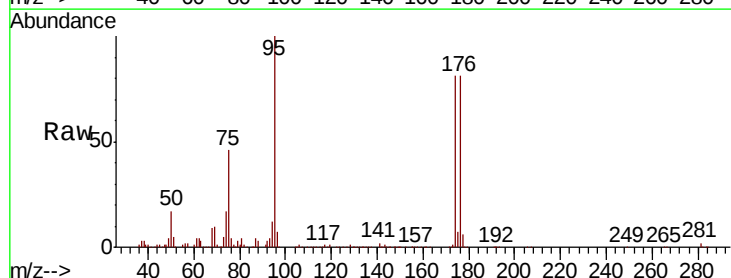
Acq: 09 Oct 2020 17:17

Tgt Ion: 75 Resp: 136082

Ion Ratio Lower Upper

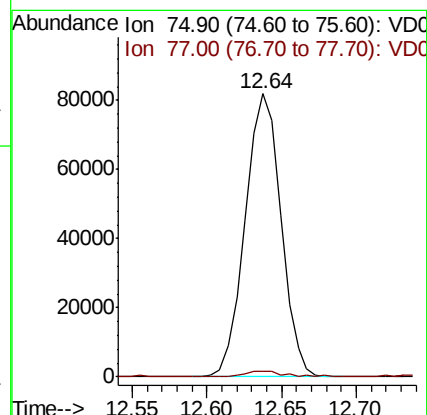
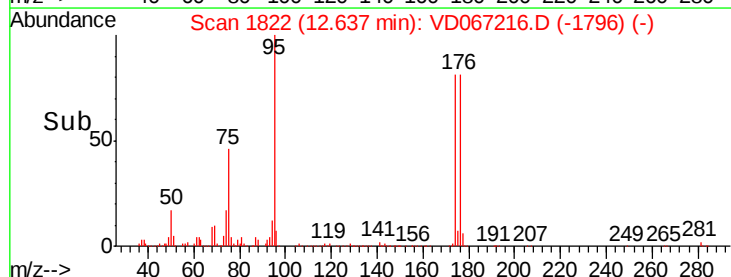
75 100

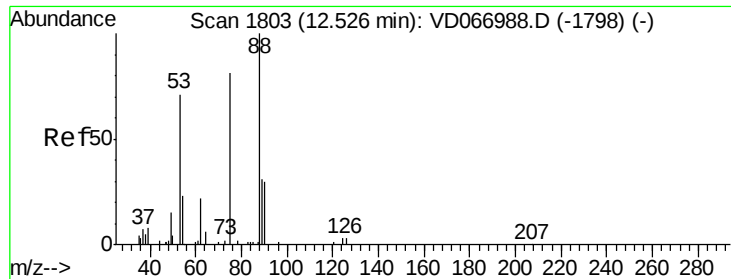
77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 143.326 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067216.D

Acq: 09 Oct 2020 17:17

Instrument :

MSVOA_D

ClientSampleId :

26414

Tot Ion: 75 Resp: 136082

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.1 38.9 58.3#

