

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067219.D
 Acq On : 09 Oct 2020 18:40
 Operator : VA/SY
 Sample : L4319-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11995

Quant Time: Oct 09 23:48:28 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	7.99	168	479883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	787114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	737608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	356489	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	219507	47.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.98%	
35) Dibromofluoromethane	7.91	113	247480	48.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.06%	
50) Toluene-d8	10.34	98	914501	48.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.64	95	319582	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	

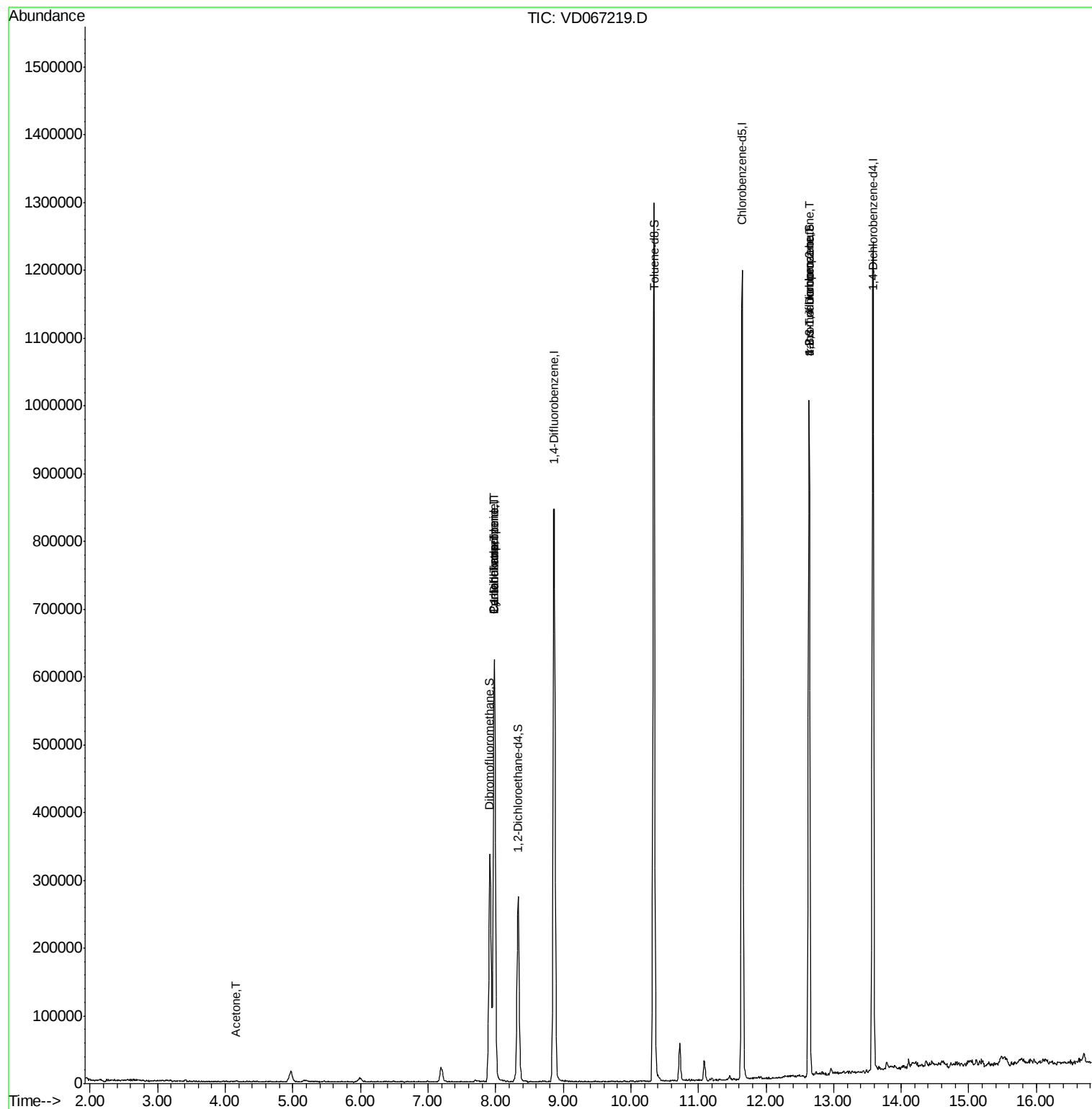
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	176	Below Cal	#	40
5) Bromomethane	2.79	94	122	Below Cal	#	3
11) Tert butyl alcohol	5.22	59	721	Below Cal	#	72
16) Acetone	4.16	43	1548	2.194	ug/l #	42
20) Methylene Chloride	4.97	84	14013	Below Cal		85
26) 2,2-Dichloropropane	7.20	77	958	Below Cal	#	53
31) Cyclohexane	7.97	56	8487	1.223	ug/l #	4
36) 1,1-Dichloropropene	7.99	75	34604	4.717	ug/l #	50
38) Carbon Tetrachloride	7.98	117	48000	6.047	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	157590	50.751	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	157590	126.530	ug/l #	12

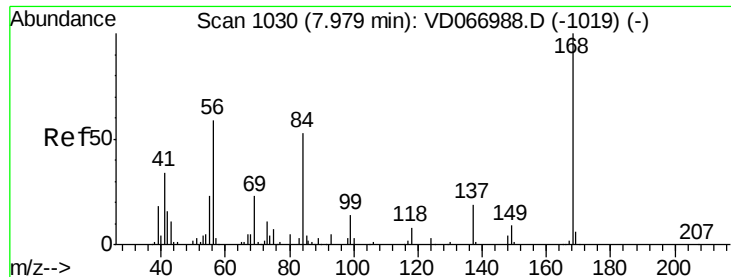
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067219.D

Acq: 09 Oct 2020 18:40

Instrument :

MSVOA_D

ClientSampleId :

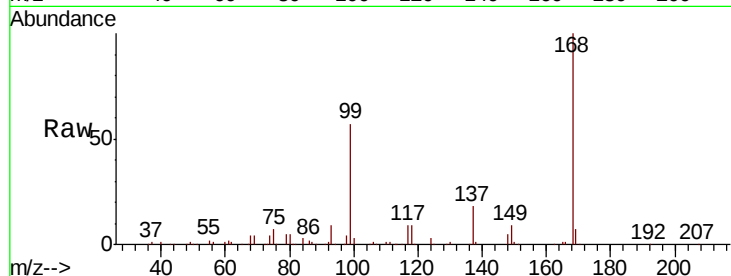
11995

Tot Ion:168 Resp: 479883

Ion Ratio Lower Upper

168 100

99 57.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

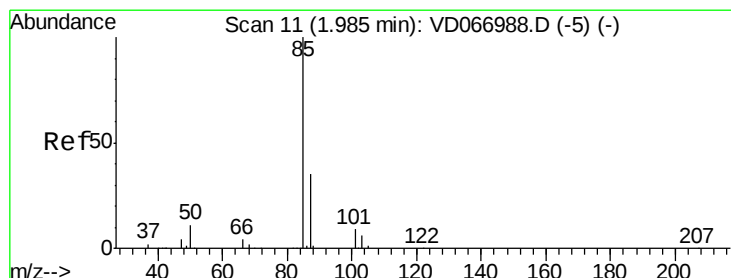
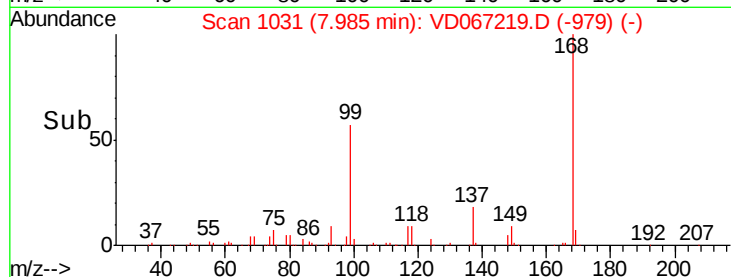
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067219.D

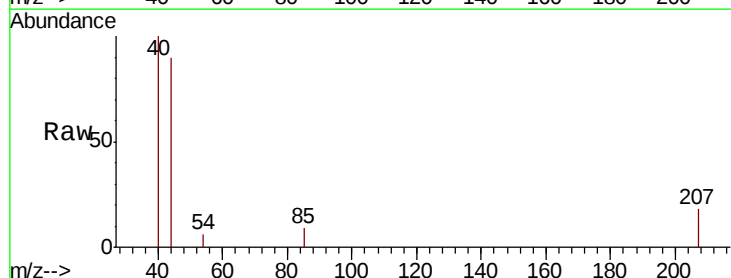
Acq: 09 Oct 2020 18:40

Tgt Ion: 85 Resp: 176

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

300

250

200

150

100

50

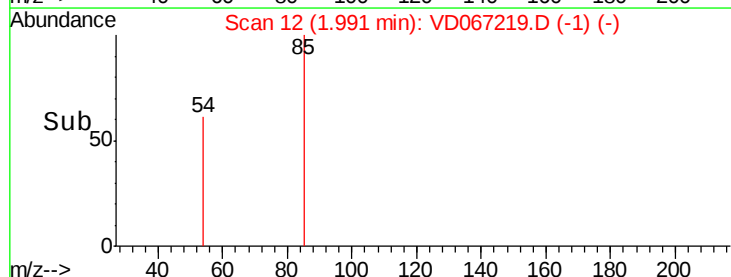
0

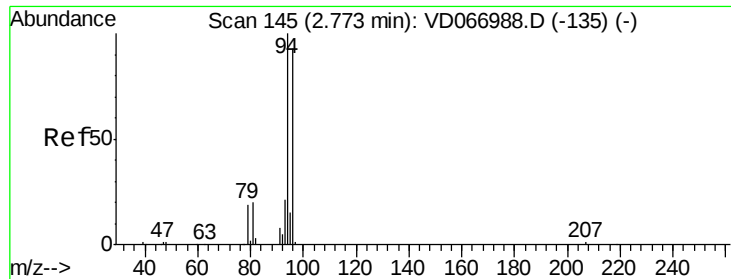
1.96

1.98

2.00

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067219.D

Acq: 09 Oct 2020 18:40

Instrument :

MSVOA_D

ClientSampleId :

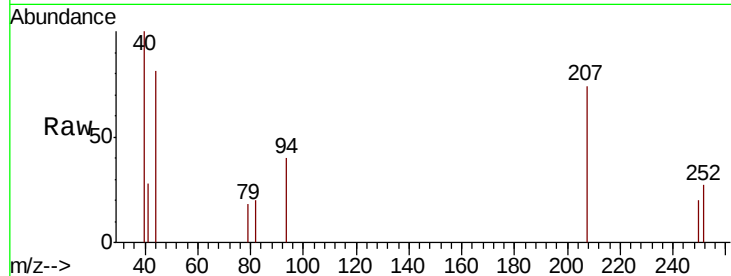
11995

Tot Ion: 94 Resp: 122

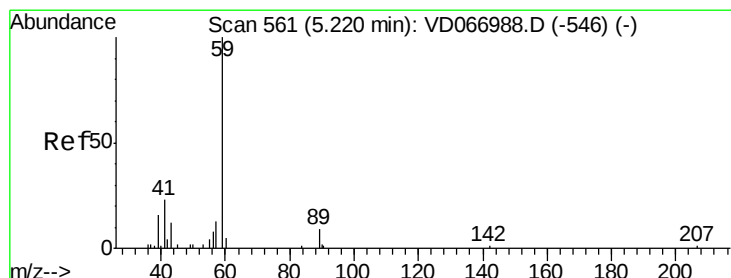
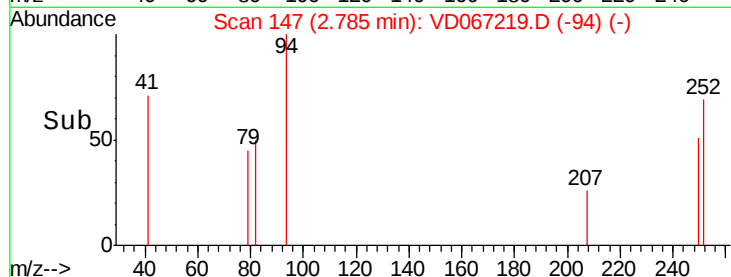
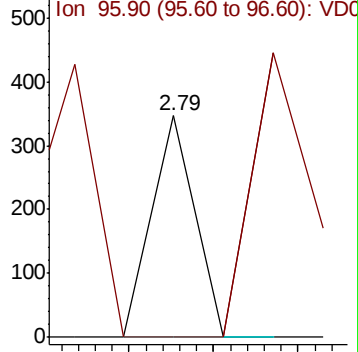
Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD067219.D

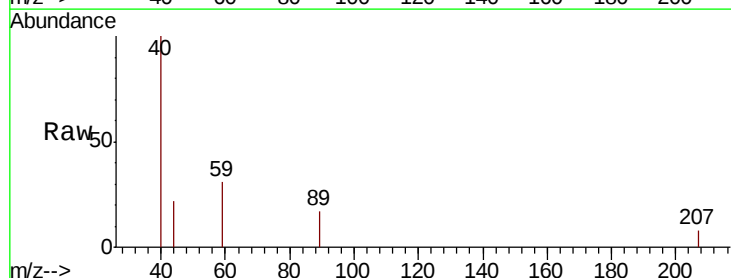
Acq: 09 Oct 2020 18:40

Tgt Ion: 59 Resp: 721

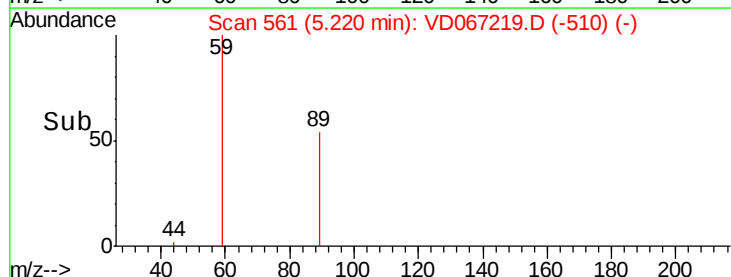
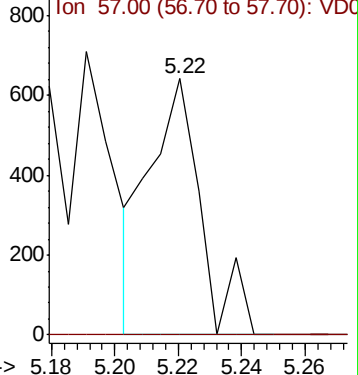
Ion Ratio Lower Upper

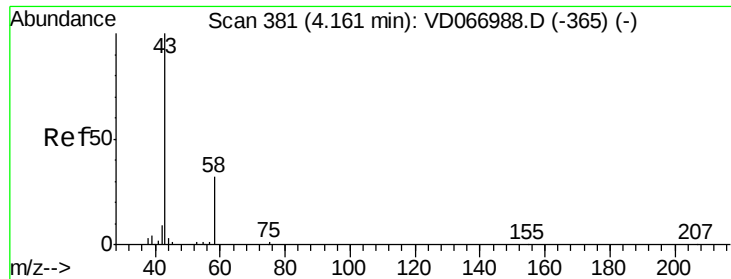
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 2.194 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067219.D

Acq: 09 Oct 2020 18:40

Instrument :

MSVOA_D

ClientSampleId :

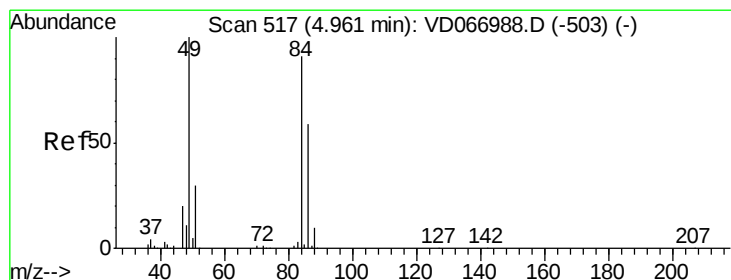
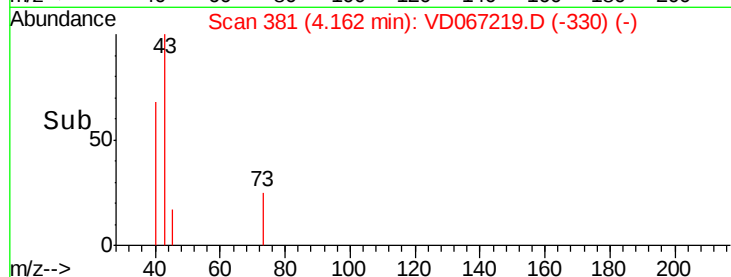
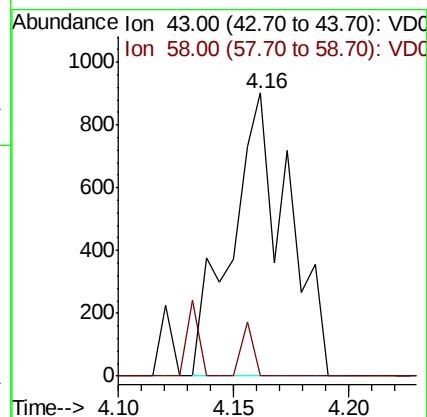
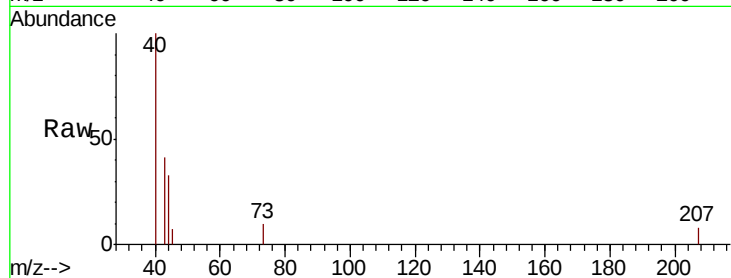
11995

Tot Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067219.D

Acq: 09 Oct 2020 18:40

Tgt Ion: 84 Resp: 14013

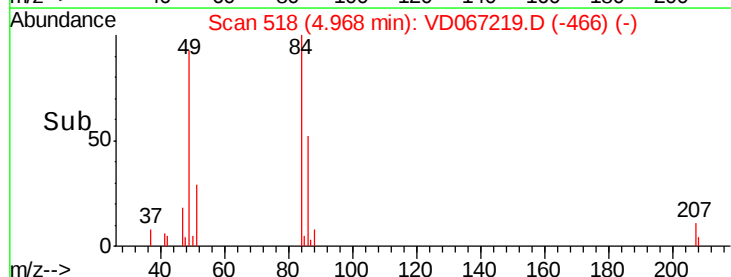
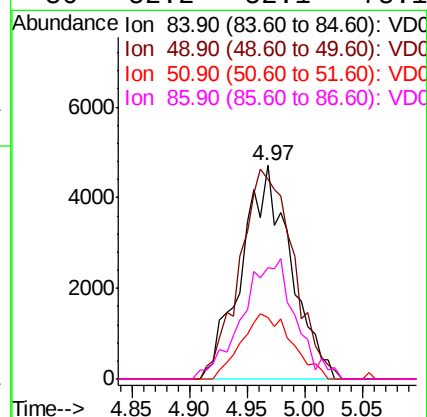
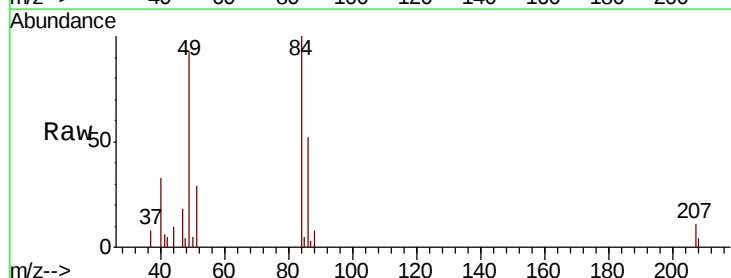
Ion Ratio Lower Upper

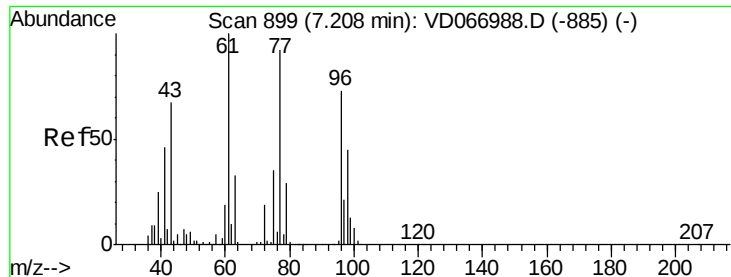
84 100

49 93.3 88.2 132.2

51 28.9 26.6 39.8

86 52.2 52.1 78.1

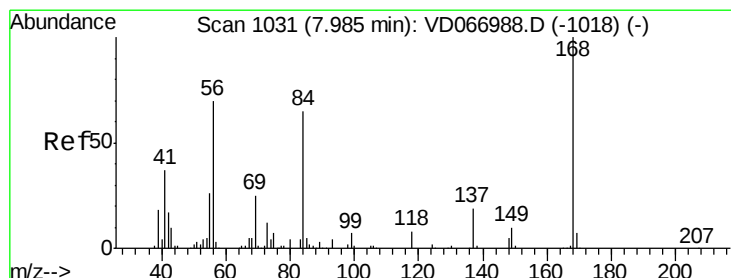
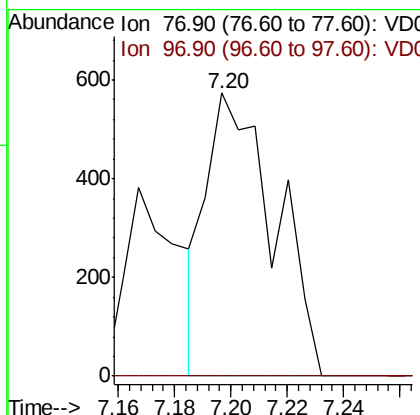
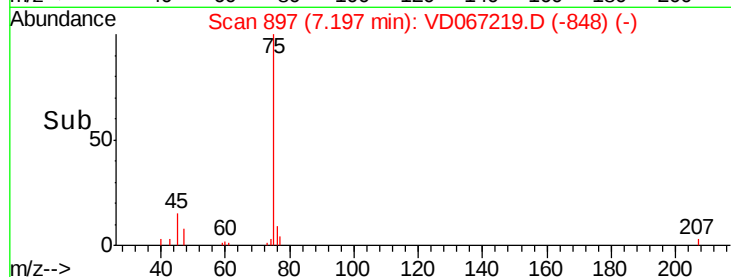
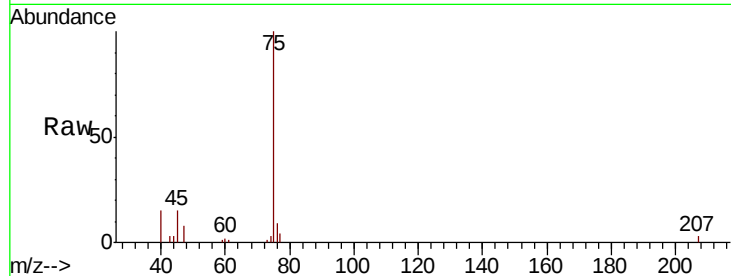




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067219.D
Acq: 09 Oct 2020 18:40

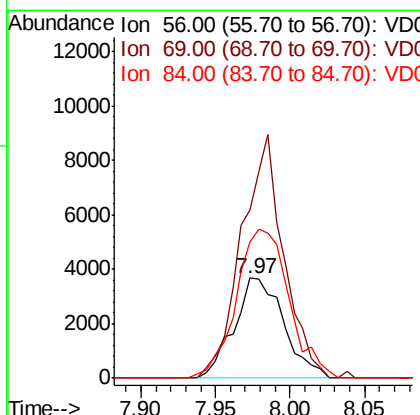
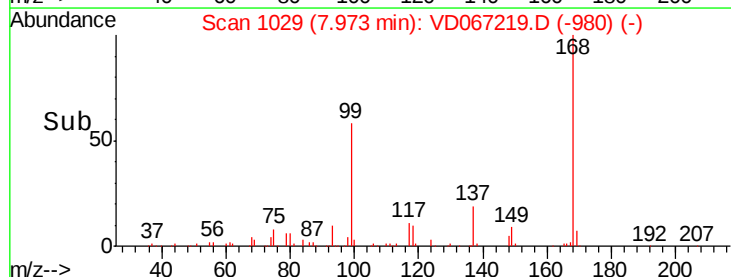
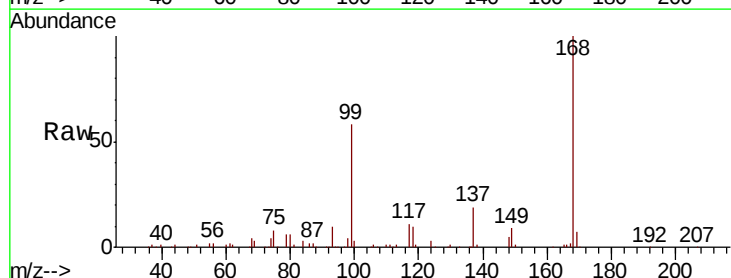
Instrument :
MSVOA_D
ClientSampleId :
11995

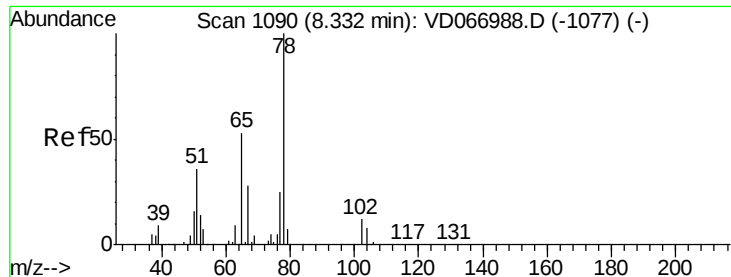
Tot Ion: 77 Resp: 958
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067219.D
Acq: 09 Oct 2020 18:40

Tgt Ion: 56 Resp: 8487
Ion Ratio Lower Upper
56 100
69 168.3 29.0 43.6#
84 136.4 74.2 111.2#

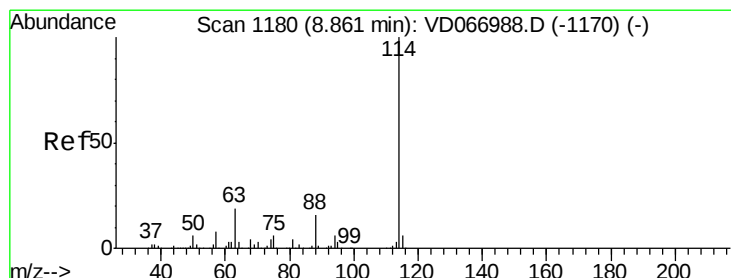
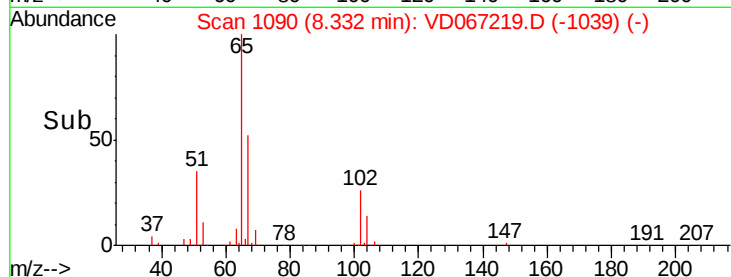
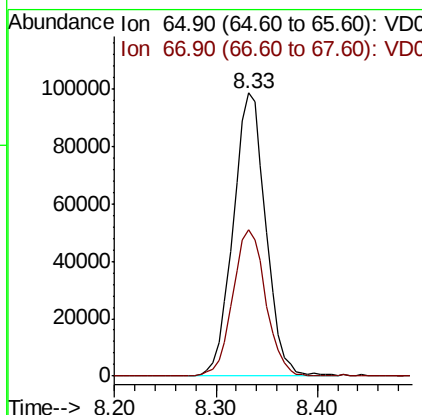
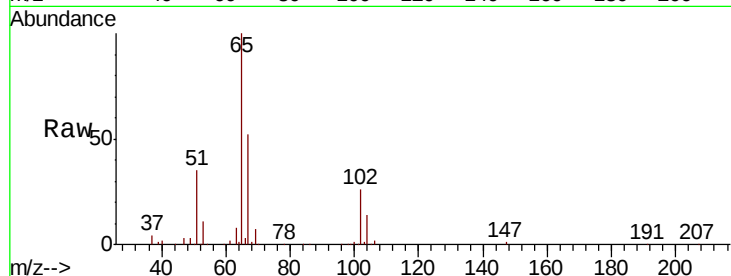




#33
 1,2-Dichloroethane-d4
 Concen: 47.490 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067219.D
 Acq: 09 Oct 2020 18:40

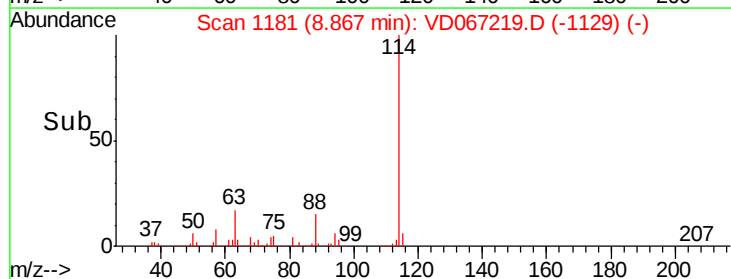
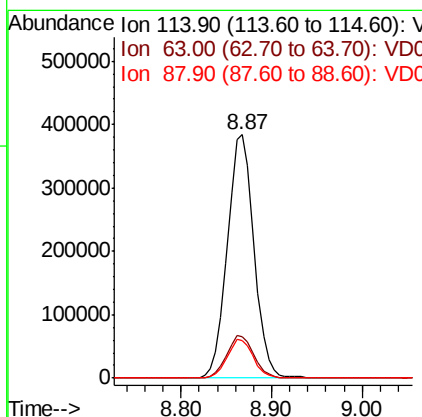
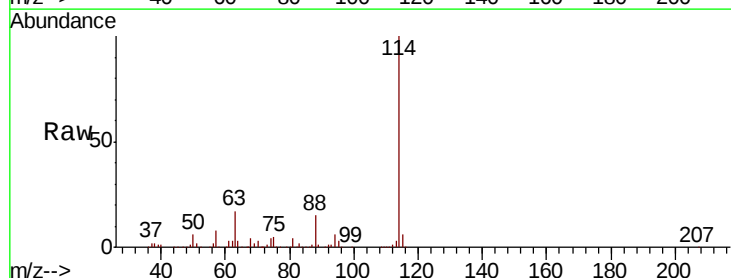
Instrument :
 MSVOA_D
 ClientSampleId :
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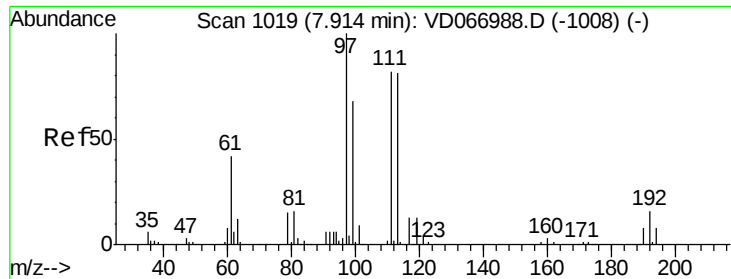
Tot Ion: 65 Resp: 219507
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067219.D
 Acq: 09 Oct 2020 18:40

Tgt Ion: 114 Resp: 787114
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 38.4
 88 15.3 0.0 31.2

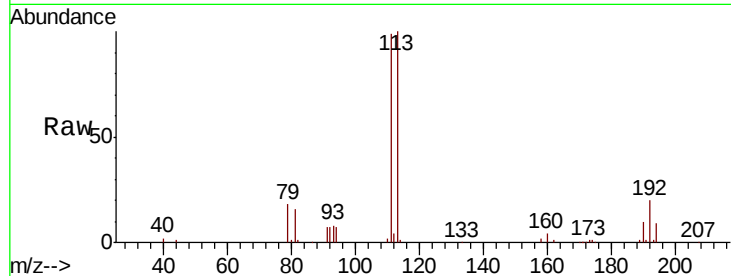




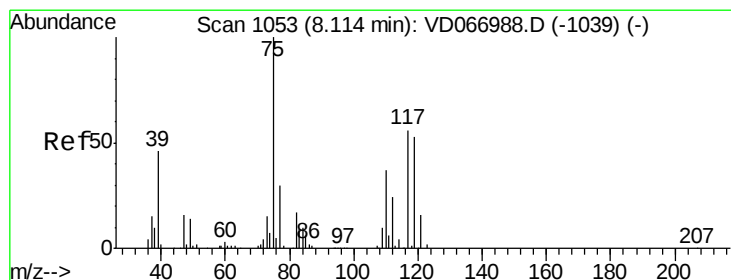
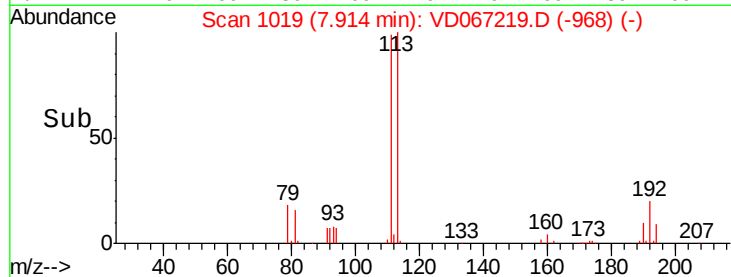
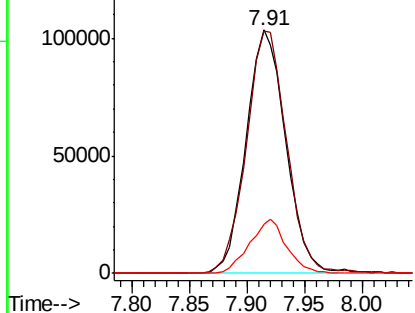
#35
 Dibromofluoromethane
 Concen: 48.026 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067219.D
 Acq: 09 Oct 2020 18:40

Instrument :
 MSVOA_D
 ClientSampled :
 11995

Tot Ion:113 Resp: 247480
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.0 124.4
 192 20.6 15.5 23.3

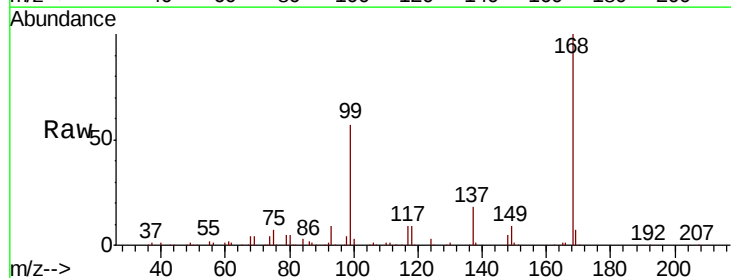


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

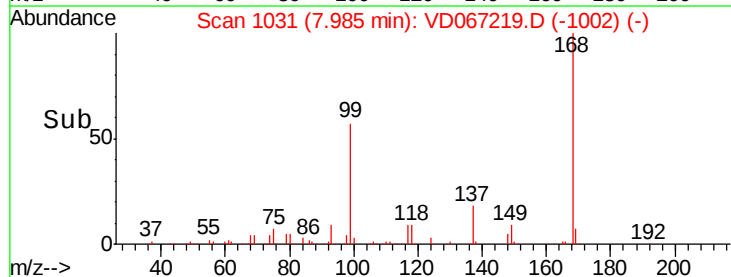
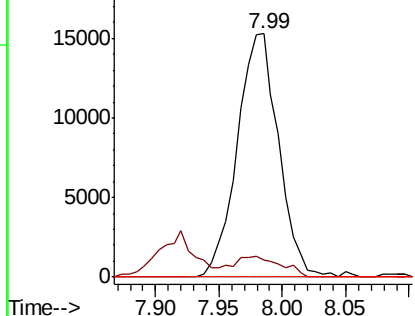


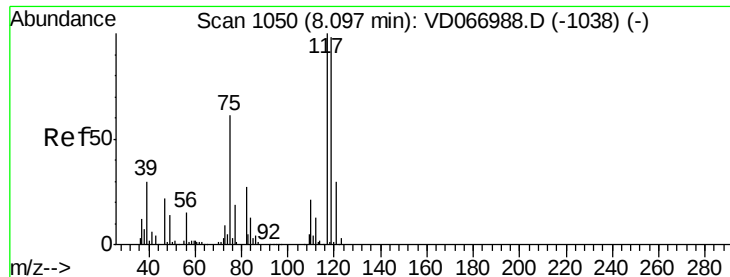
#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067219.D
 Acq: 09 Oct 2020 18:40

Tgt Ion: 75 Resp: 34604
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.4 55.0#
 77 0.0 24.8 37.2#



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





#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067219.D

Acq: 09 Oct 2020 18:40

Instrument :

MSVOA_D

ClientSampleId :

11995

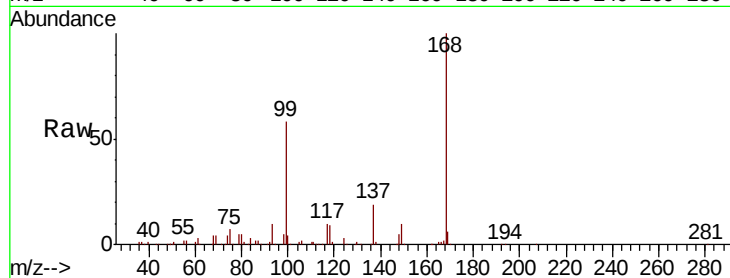
Tot Ion:117 Resp: 48000

Ion Ratio Lower Upper

117 100

119 5.9 78.7 118.1#

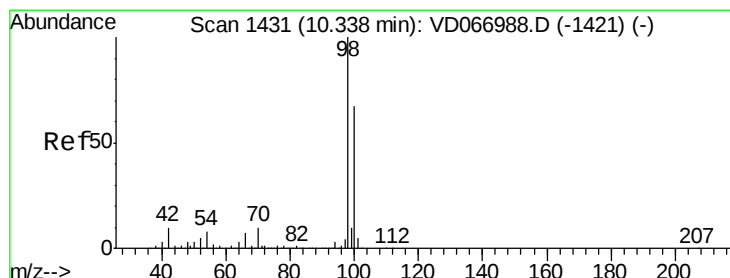
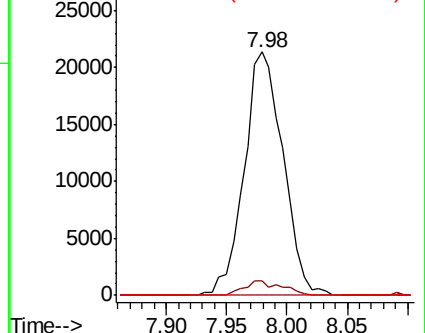
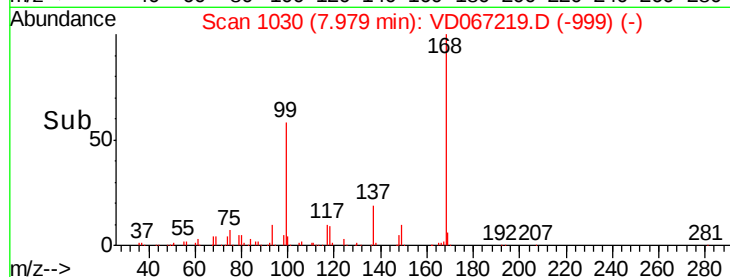
121 0.0 24.2 36.2#



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: 48.703 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067219.D

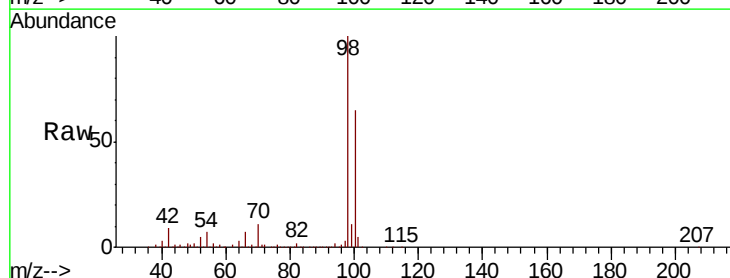
Acq: 09 Oct 2020 18:40

Tgt Ion: 98 Resp: 914501

Ion Ratio Lower Upper

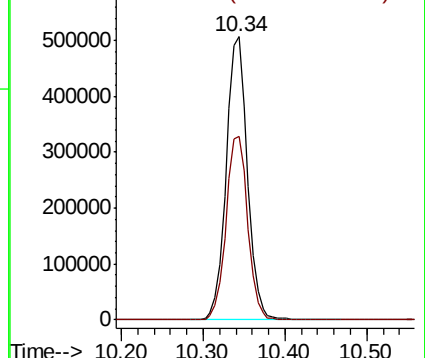
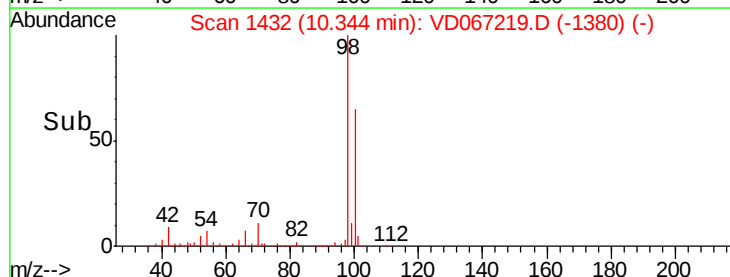
98 100

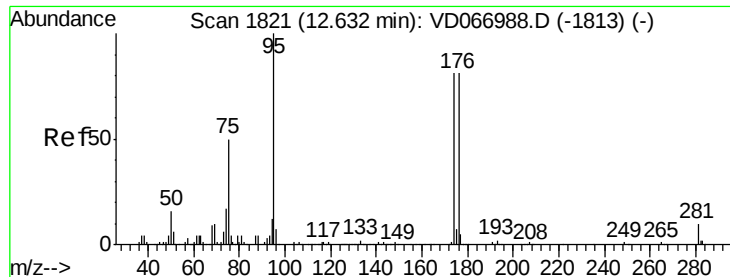
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

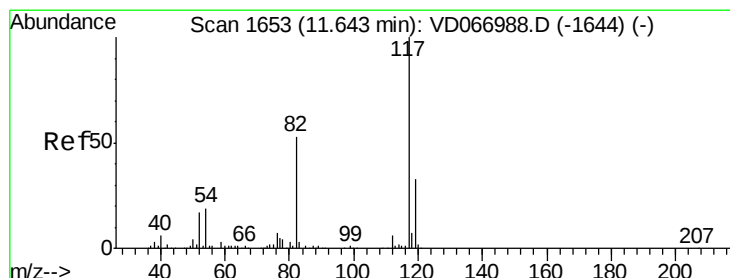
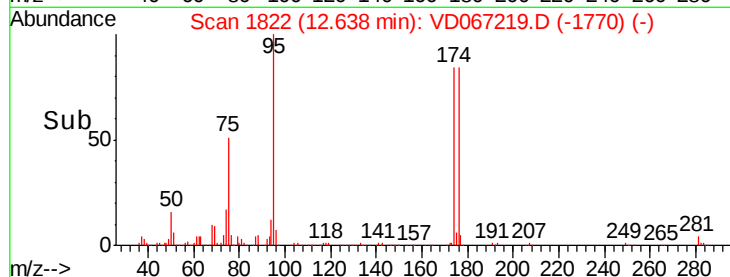
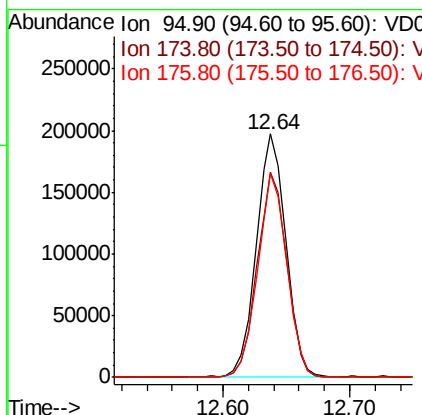
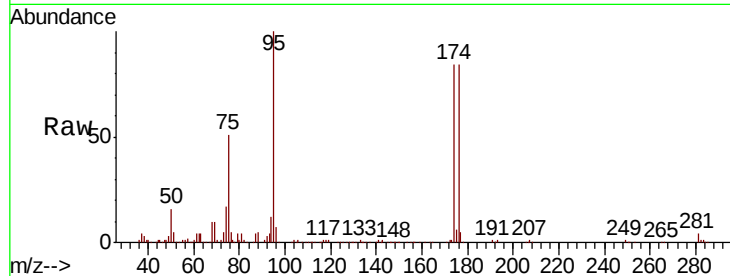




#62
4-Bromofluorobenzene
Concen: 50.135 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067219.D
Acq: 09 Oct 2020 18:40

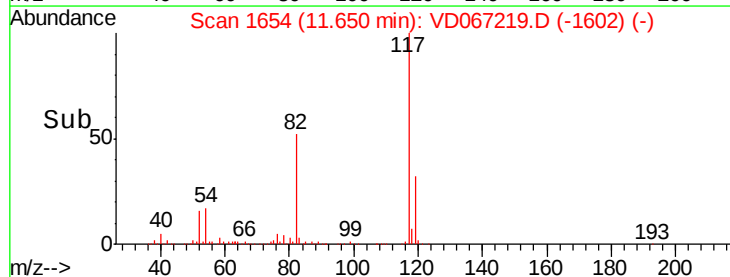
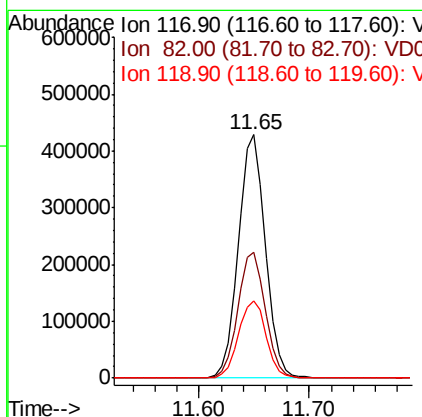
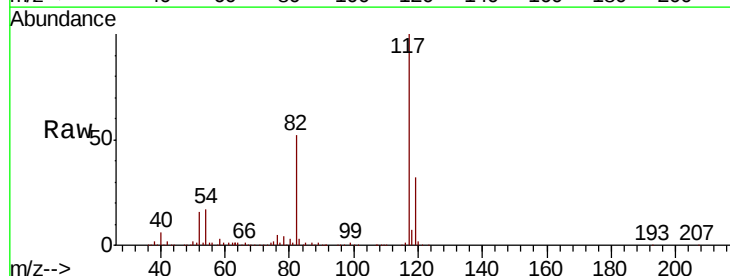
Instrument :
MSVOA_D
ClientSampleId :
11995

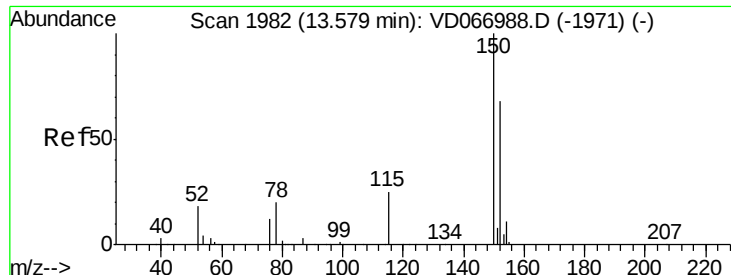
Tot Ion: 95 Resp: 319582
Ion Ratio Lower Upper
95 100
174 84.7 0.0 167.6
176 83.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067219.D
Acq: 09 Oct 2020 18:40

Tgt Ion: 117 Resp: 737608
Ion Ratio Lower Upper
117 100
82 51.8 42.6 63.8
119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067219.D

Acq: 09 Oct 2020 18:40

Instrument :

MSVOA_D

ClientSampleId :

11995

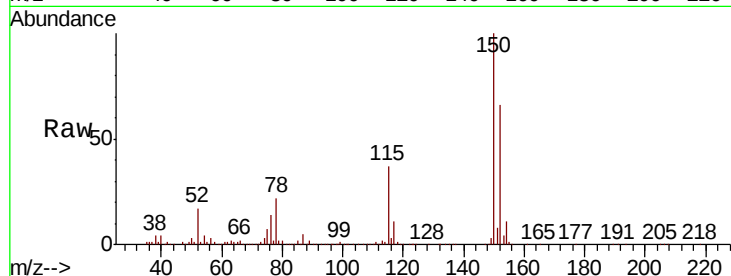
Tot Ion:152 Resp: 356489

Ion Ratio Lower Upper

152 100

115 58.4 29.6 88.8

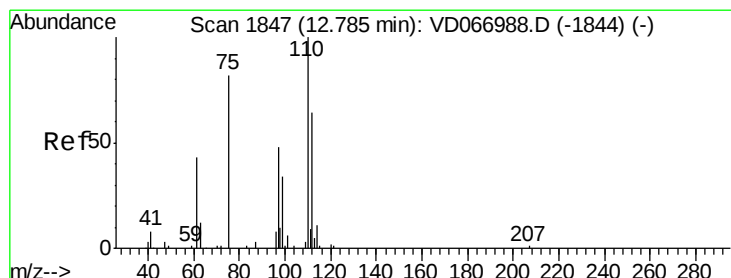
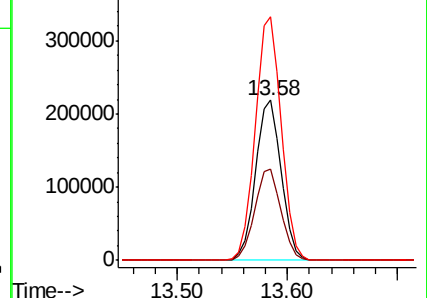
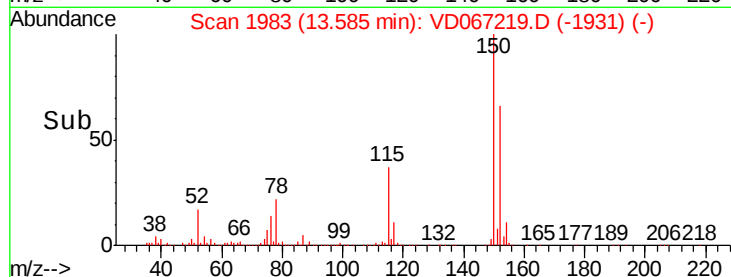
150 154.2 0.0 344.8



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: 50.751 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067219.D

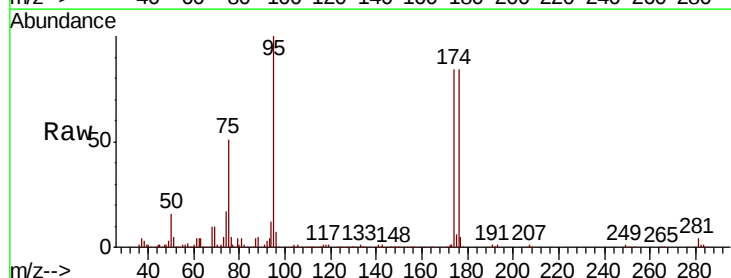
Acq: 09 Oct 2020 18:40

Tgt Ion: 75 Resp: 157590

Ion Ratio Lower Upper

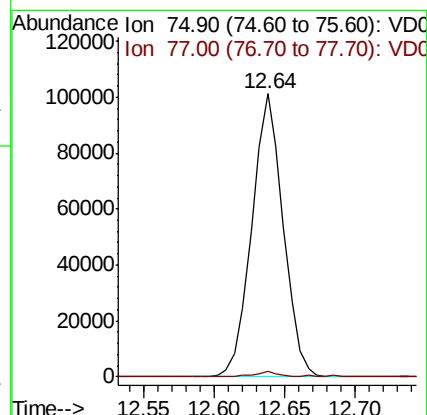
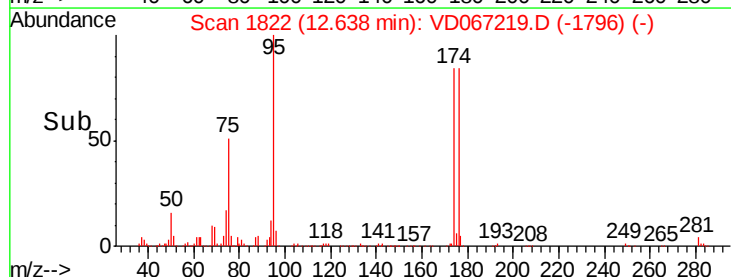
75 100

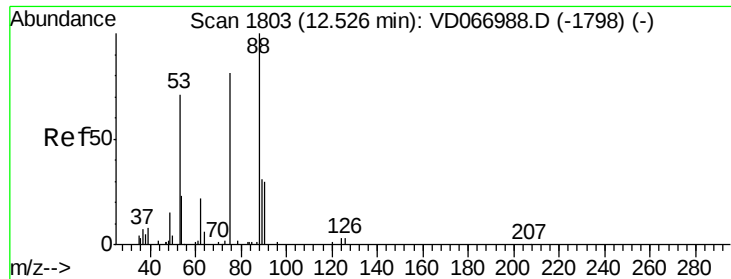
77 1.8 0.0 0.0#



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: 126.530 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067219.D

Acq: 09 Oct 2020 18:40

Instrument :

MSVOA_D

ClientSampleId :

11995

Tot Ion: 75 Resp: 157590

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.0 38.9 58.3#

