

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067380.D
 Acq On : 23 Oct 2020 14:20
 Operator : VA/SY
 Sample : L4501-03
 Misc : 6.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-3

Quant Time: Oct 24 07:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	514660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	504717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256185	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	159660	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	
35) Dibromofluoromethane	7.92	113	164965	48.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.32%	
50) Toluene-d8	10.34	98	617117	49.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.64	95	223342	51.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.64%	

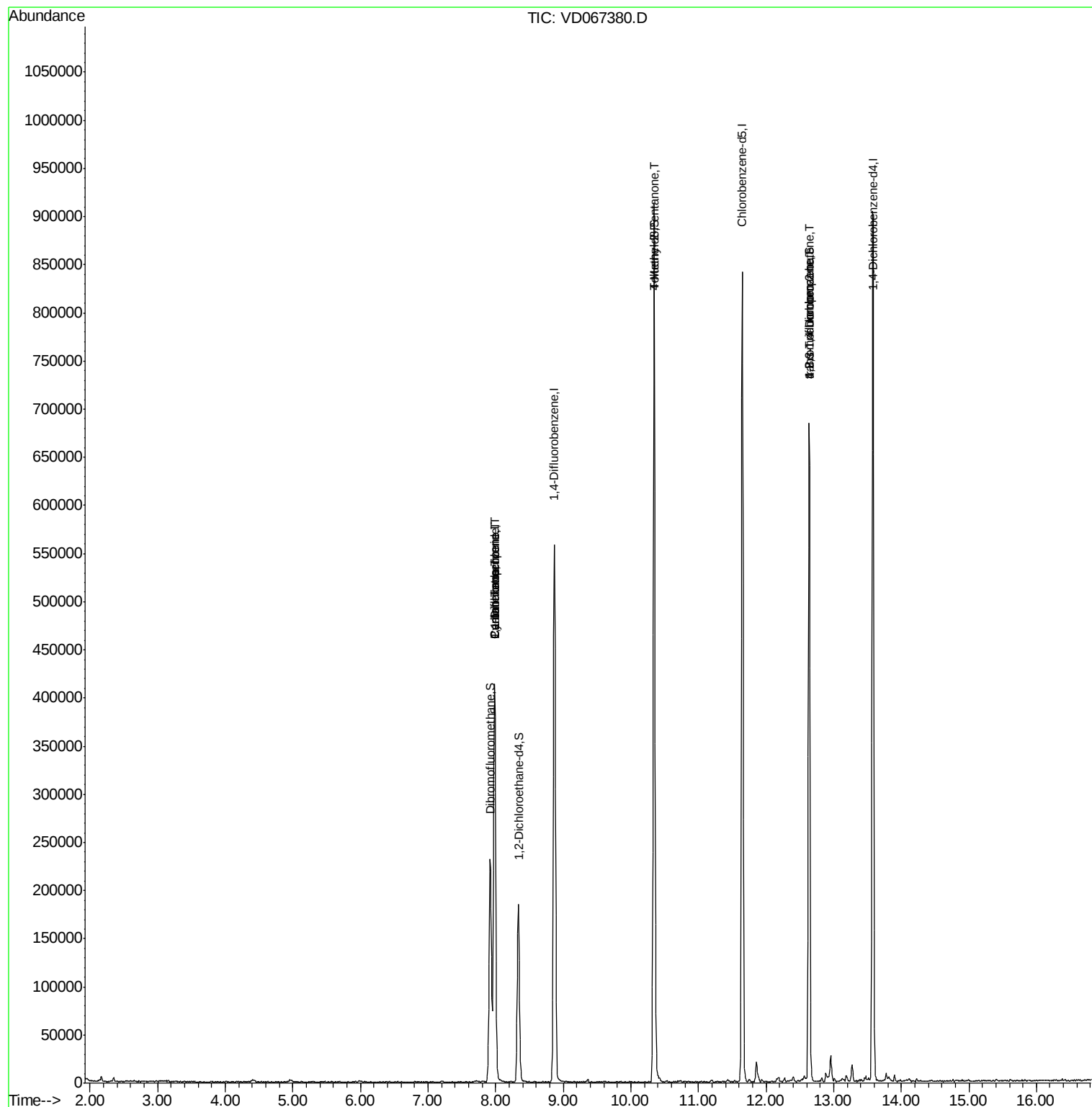
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	208	Below Cal	#	44
5) Bromomethane	2.76	94	55	Below Cal	#	3
11) Tert butyl alcohol	5.28	59	71	Below Cal	#	81
20) Methylene Chloride	4.96	84	1787	Below Cal	#	76
31) Cyclohexane	7.99	56	5916	1.599	ug/l #	43
36) 1,1-Dichloropropene	7.98	75	22846	5.237	ug/l #	51
38) Carbon Tetrachloride	7.99	117	33075	5.933	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2881	2.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	115390	64.986	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115390	147.370	ug/l #	10

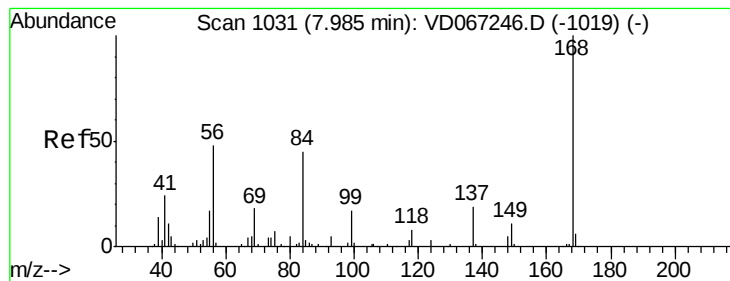
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
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Acq On : 23 Oct 2020 14:20
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Misc : 6.18G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Oct 24 07:20:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067380.D

Acq: 23 Oct 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

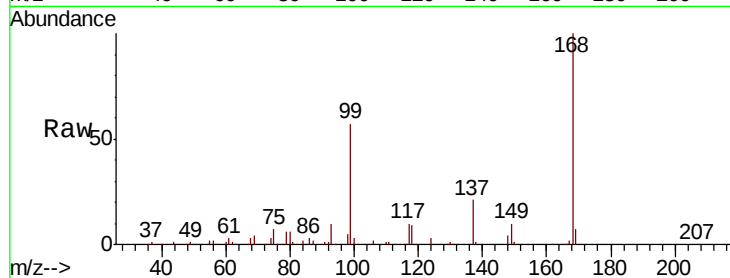
COMP-3

Tot Ion:168 Resp: 320567

Ion Ratio Lower Upper

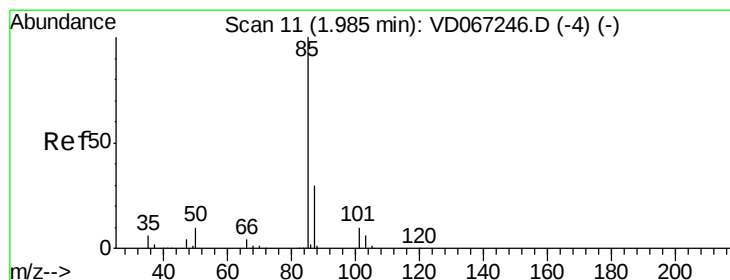
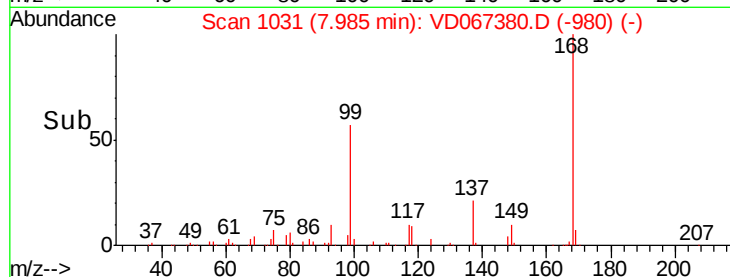
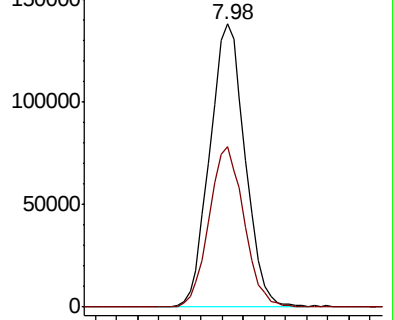
168 100

99 56.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067380.D

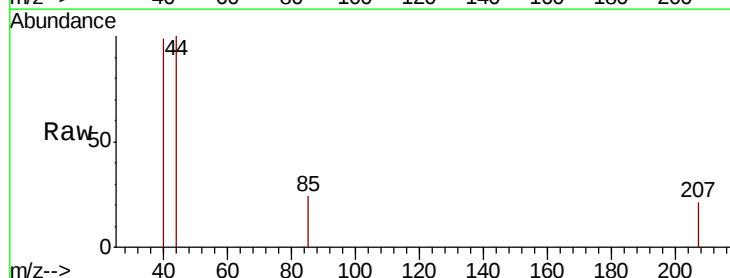
Acq: 23 Oct 2020 14:20

Tgt Ion: 85 Resp: 208

Ion Ratio Lower Upper

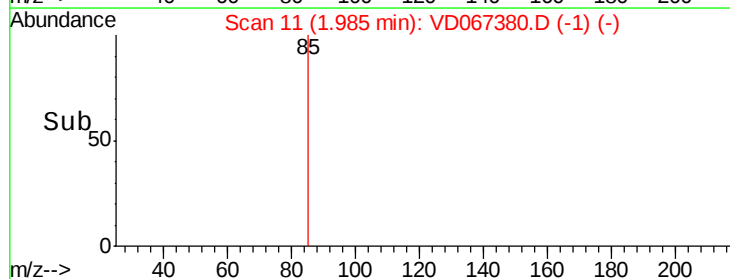
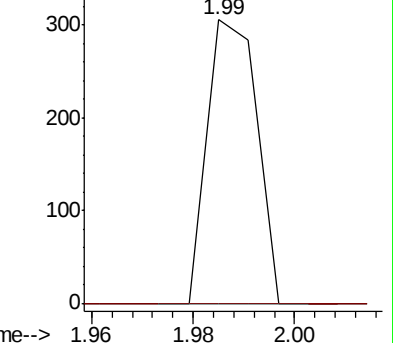
85 100

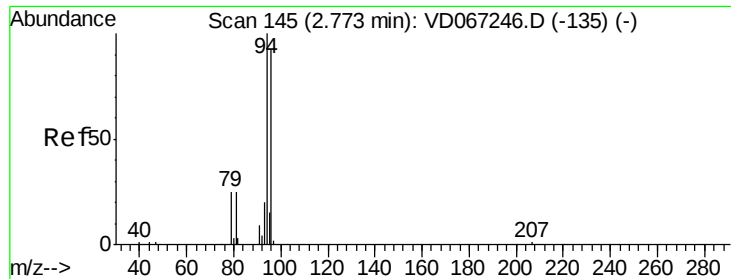
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067380.D

Acq: 23 Oct 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

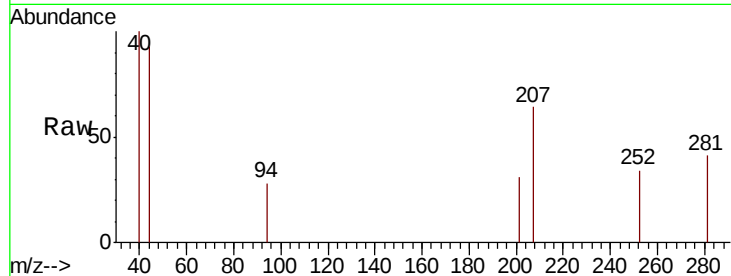
COMP-3

Tot Ion: 94 Resp: 55

Ion Ratio Lower Upper

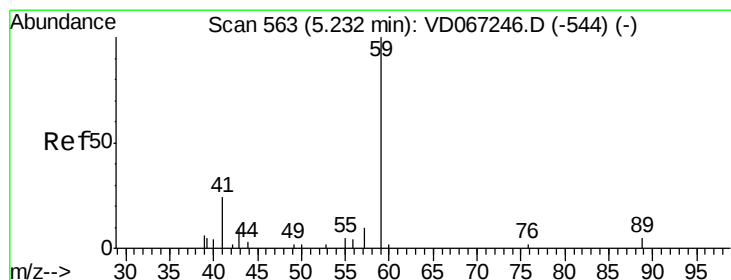
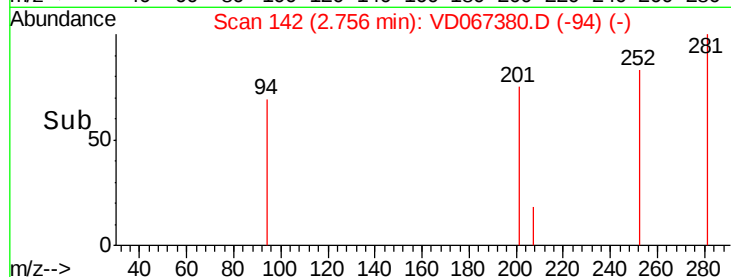
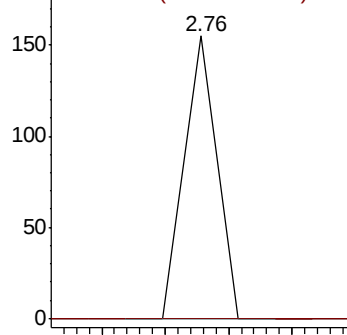
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.28 min Scan# 572

Delta R.T. 0.05 min

Lab File: VD067380.D

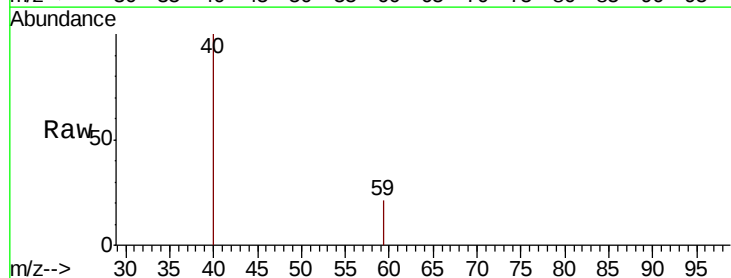
Acq: 23 Oct 2020 14:20

Tgt Ion: 59 Resp: 71

Ion Ratio Lower Upper

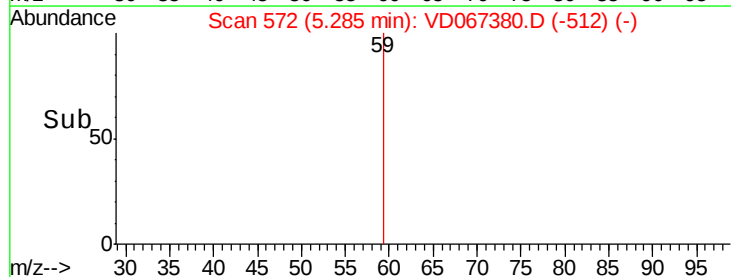
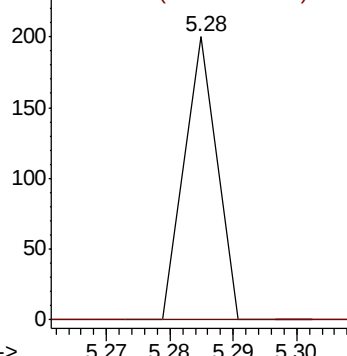
59 100

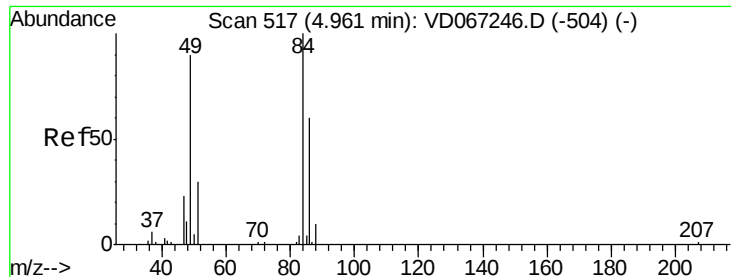
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

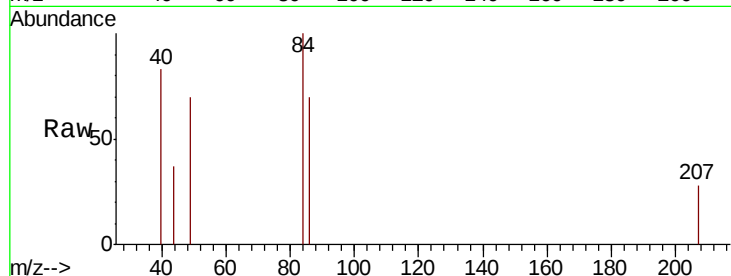




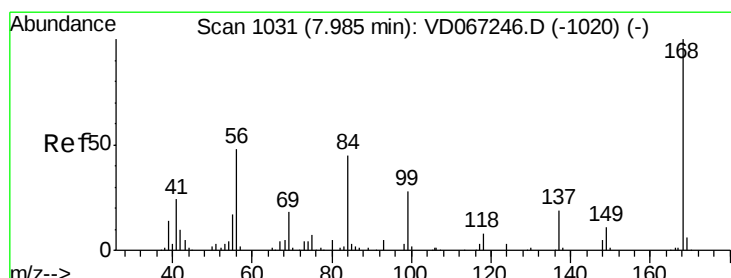
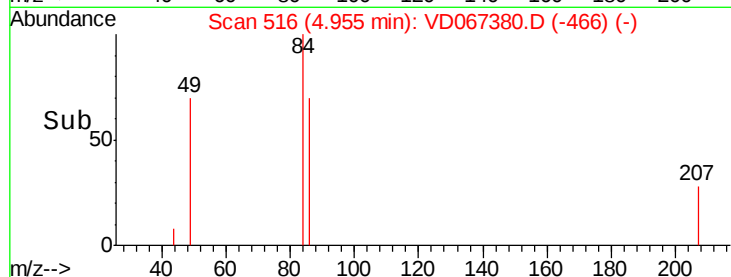
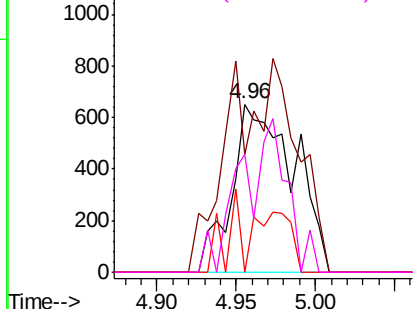
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067380.D
Acq: 23 Oct 2020 14:20

Instrument :
MSVOA_D
ClientSampled :
COMP-3

Tot Ion: 84 Resp: 1787
Ion Ratio Lower Upper
84 100
49 70.1 72.2 108.2#
51 0.0 23.8 35.8#
86 70.4 48.2 72.4

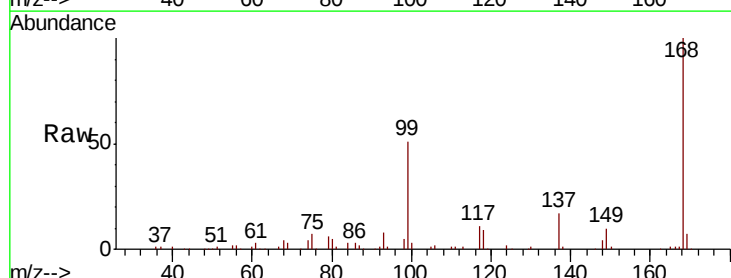


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

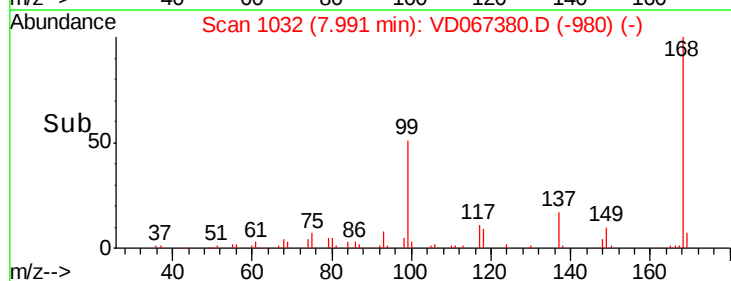
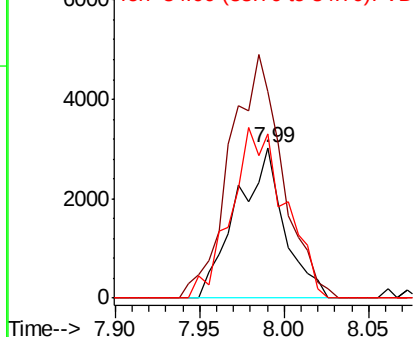


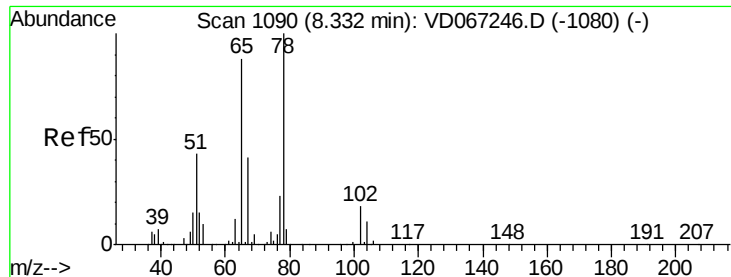
#31
Cyclohexane
Concen: 1.599 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067380.D
Acq: 23 Oct 2020 14:20

Tgt Ion: 56 Resp: 5916
Ion Ratio Lower Upper
56 100
69 137.2 29.8 44.6#
84 109.3 76.6 114.8



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

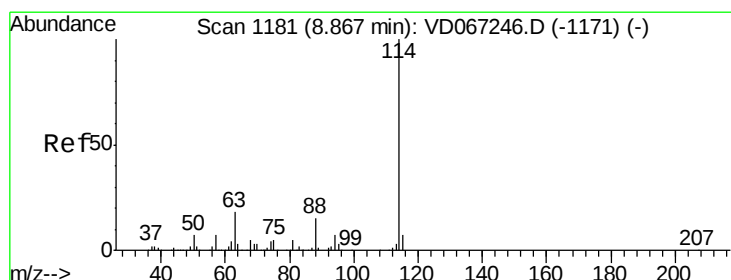
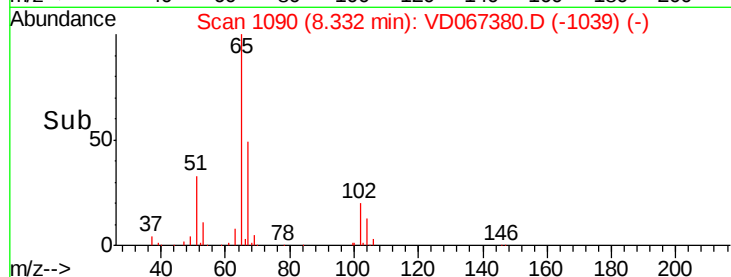
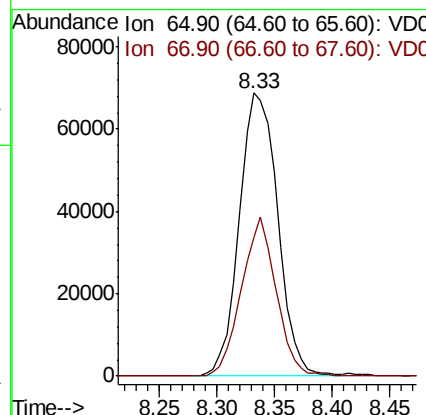
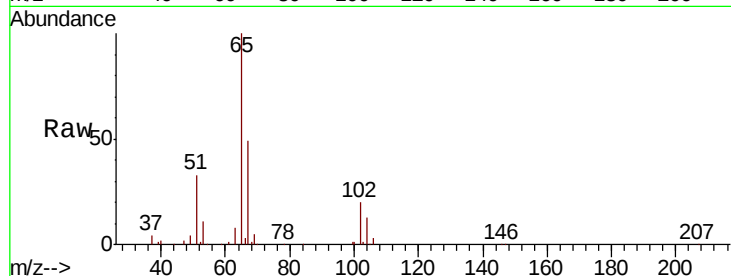




#33
 1,2-Dichloroethane-d4
 Concen: 49.714 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067380.D
 Acq: 23 Oct 2020 14:20

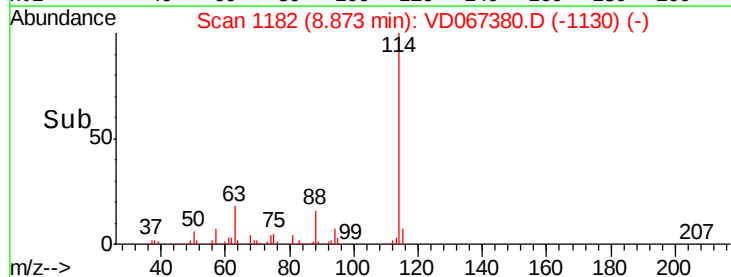
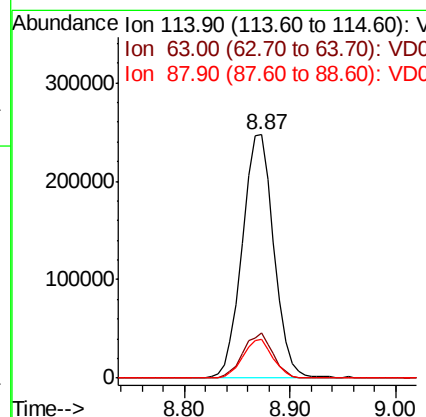
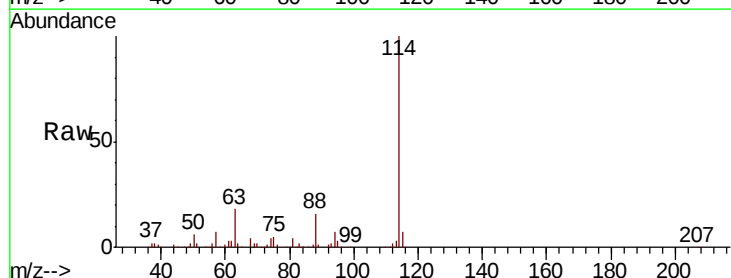
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-3

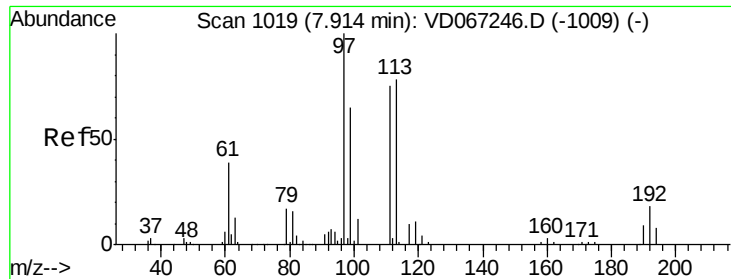
Tot Ion: 65 Resp: 159660
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067380.D
 Acq: 23 Oct 2020 14:20

Tgt Ion: 114 Resp: 514660
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.0
 88 16.0 0.0 30.6

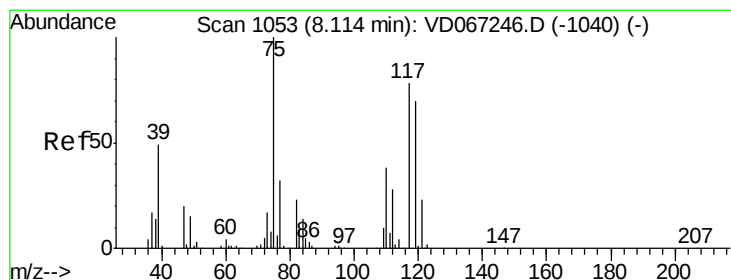
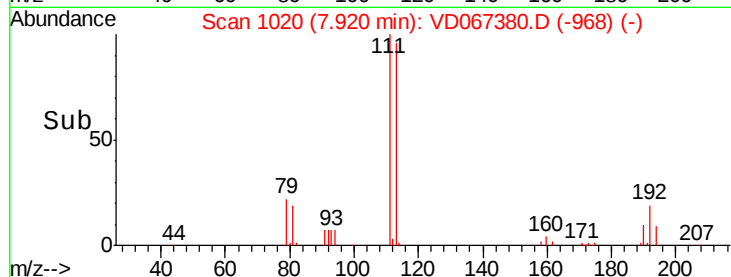
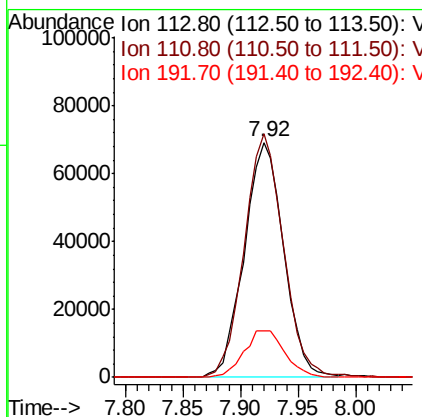
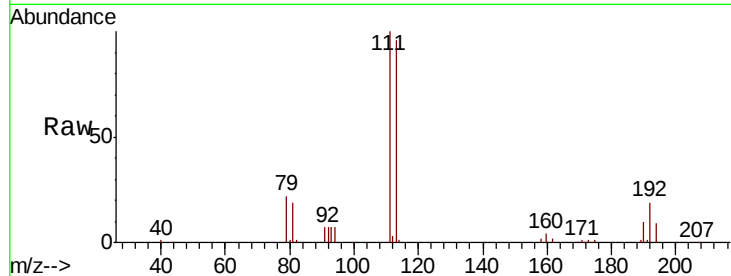




#35
 Dibromofluoromethane
 Concen: 48.164 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067380.D
 Acq: 23 Oct 2020 14:20

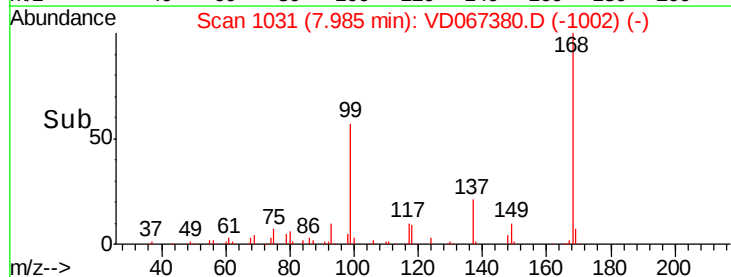
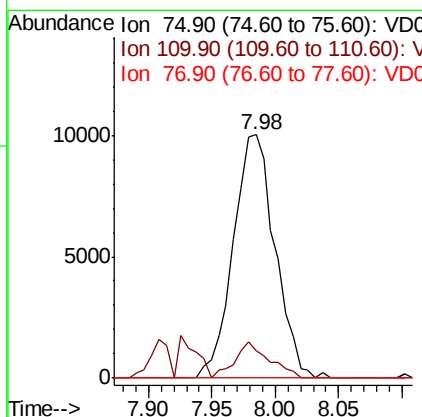
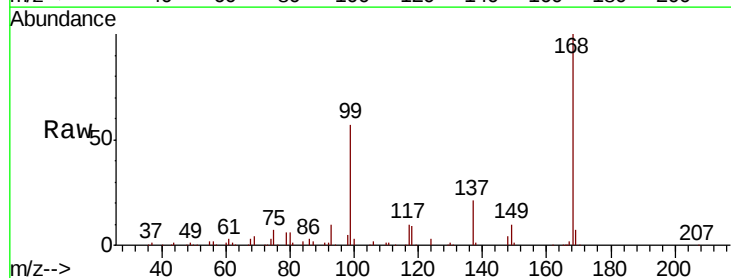
Instrument :
 MSVOA_D
 ClientSampleID :
 COMP-3

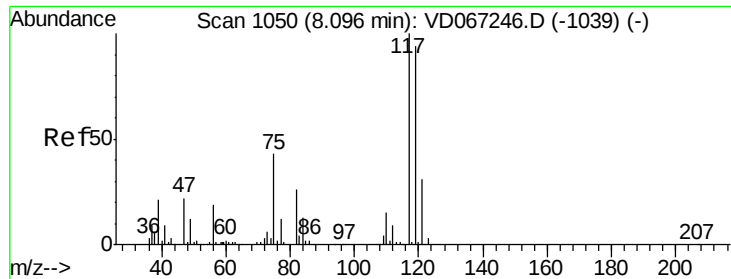
Tot Ion:113 Resp: 164965
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.6 122.4
 192 20.6 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.237 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067380.D
 Acq: 23 Oct 2020 14:20

Tgt Ion: 75 Resp: 22846
 Ion Ratio Lower Upper
 75 100
 110 12.3 19.6 58.7#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.933 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067380.D

Acq: 23 Oct 2020 14:20

Instrument :

MSVOA_D

ClientSampleID :

COMP-3

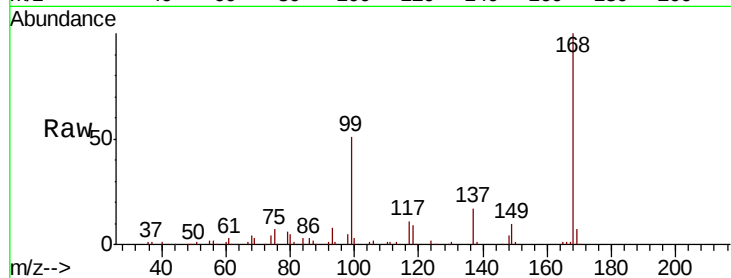
Tot Ion:117 Resp: 33075

Ion Ratio Lower Upper

117 100

119 3.3 75.0 112.4#

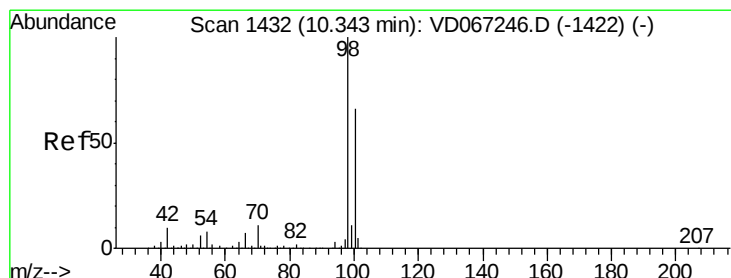
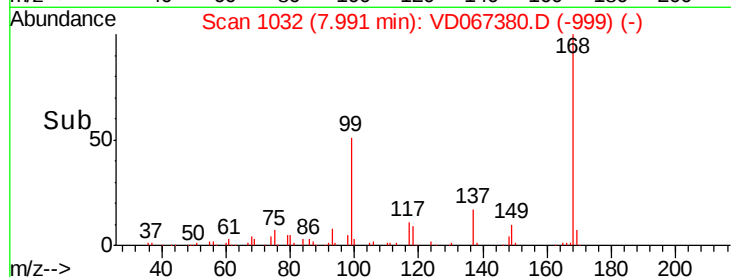
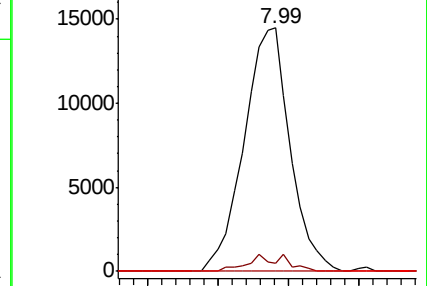
121 0.0 24.9 37.3#



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: 49.787 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067380.D

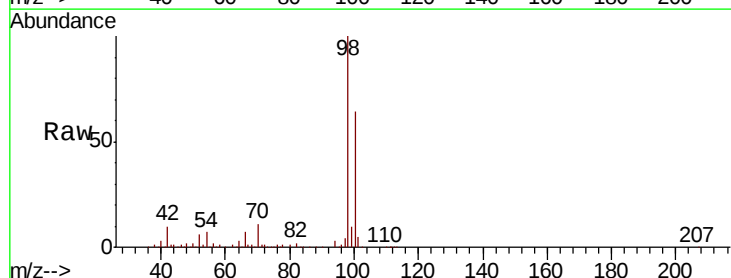
Acq: 23 Oct 2020 14:20

Tgt Ion: 98 Resp: 617117

Ion Ratio Lower Upper

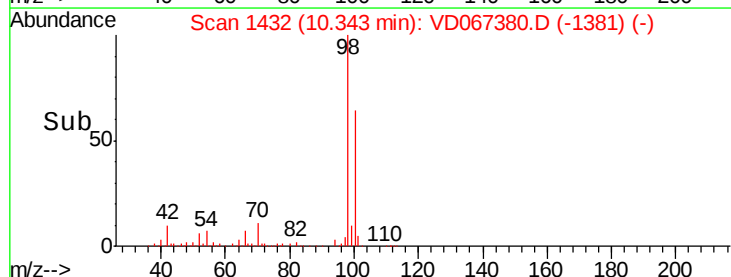
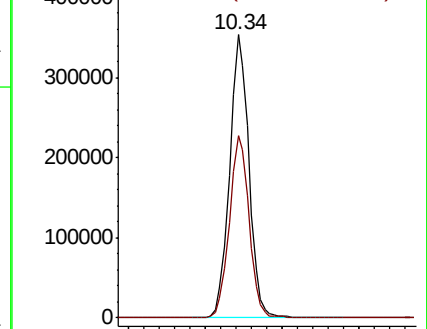
98 100

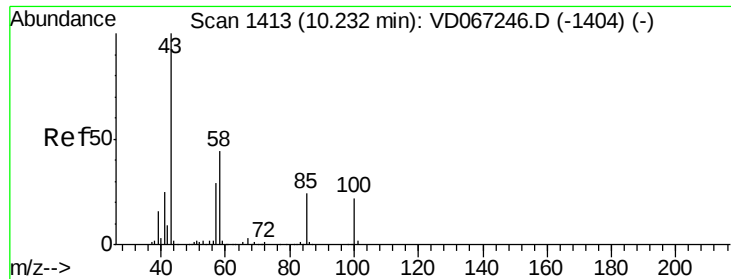
100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

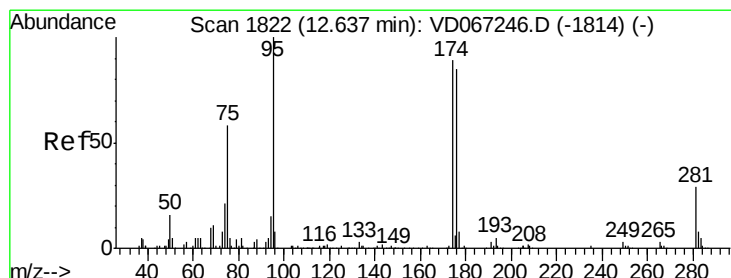
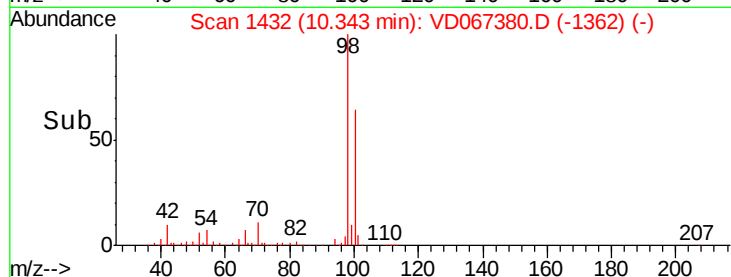
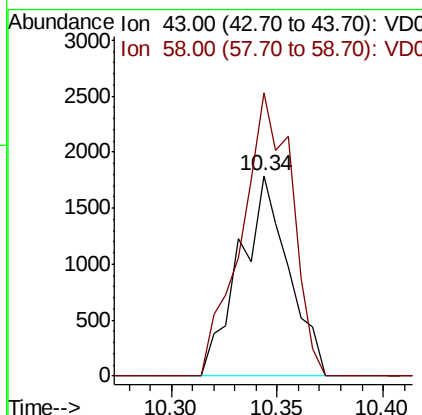
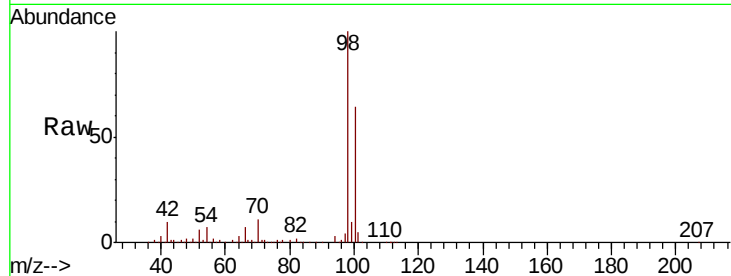




#51
4-Methyl-2-Pentanone
Concen: 2.268 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067380.D
Acq: 23 Oct 2020 14:20

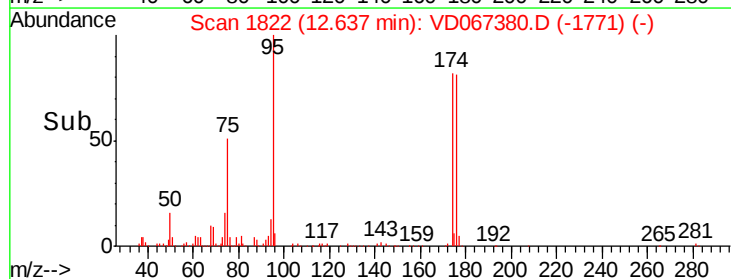
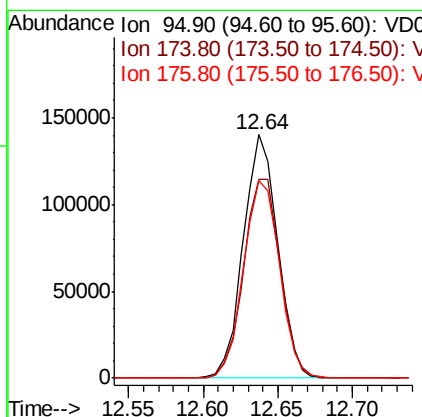
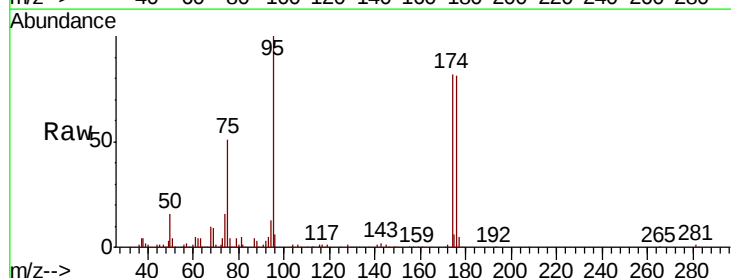
Instrument :
MSVOA_D
ClientSampleId :
COMP-3

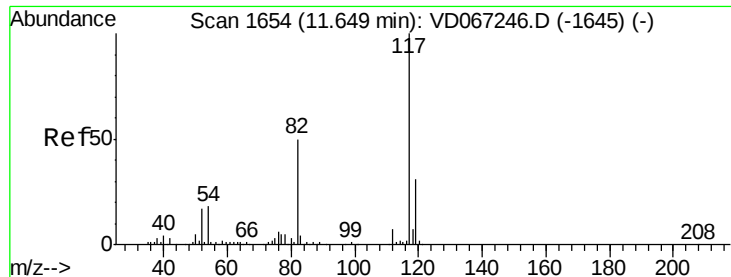
Tot Ion: 43 Resp: 2881
Ion Ratio Lower Upper
43 100
58 145.6 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 51.819 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067380.D
Acq: 23 Oct 2020 14:20

Tgt Ion: 95 Resp: 223342
Ion Ratio Lower Upper
95 100
174 87.3 0.0 175.2
176 85.0 0.0 168.6

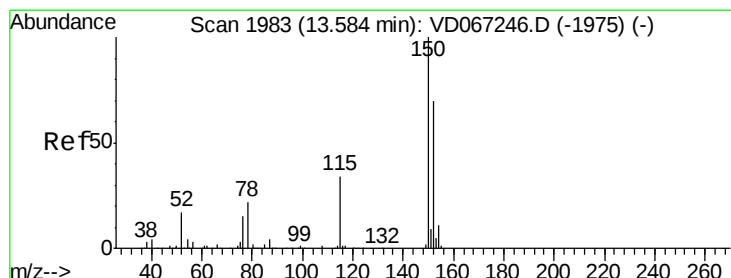
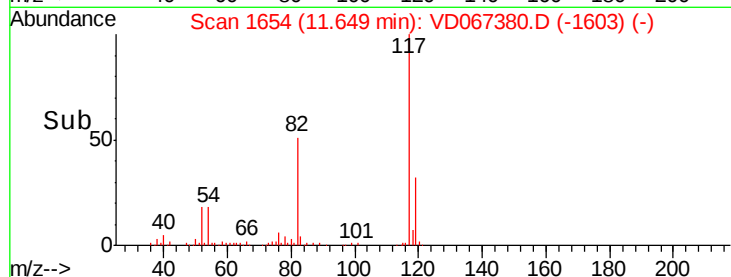
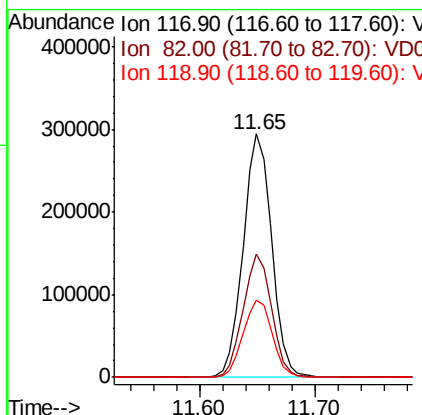
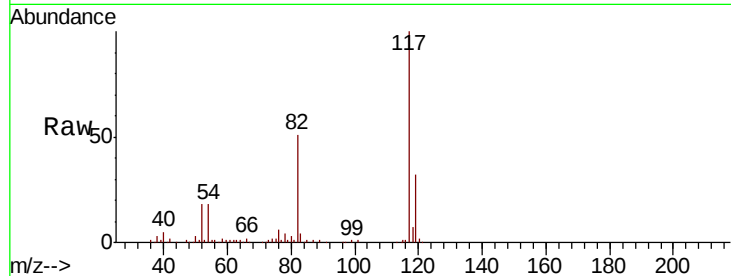




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067380.D
Acq: 23 Oct 2020 14:20

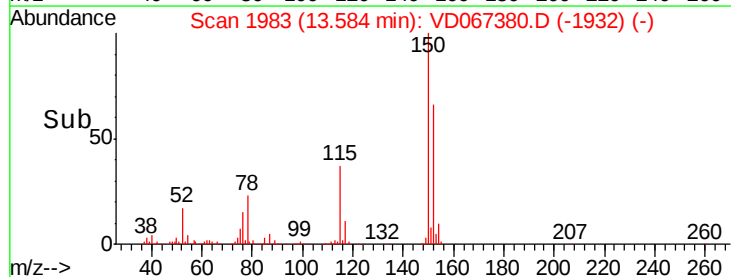
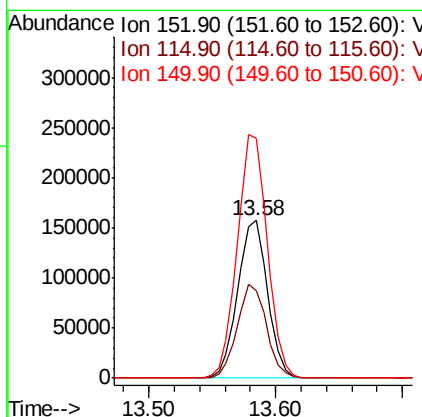
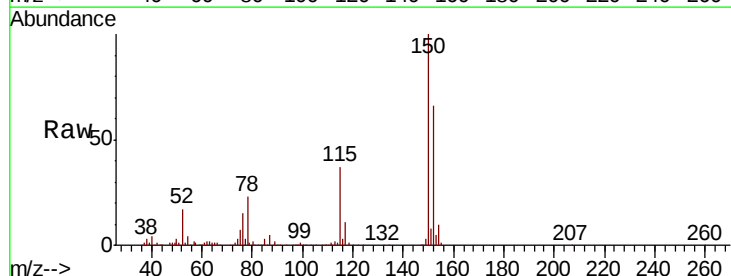
Instrument :
MSVOA_D
ClientSampleId :
COMP-3

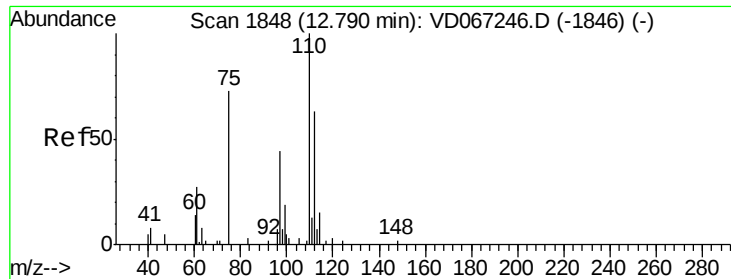
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	39.9	59.9
119	31.5	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067380.D
Acq: 23 Oct 2020 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.3	87.9
150	155.7	0.0	339.0

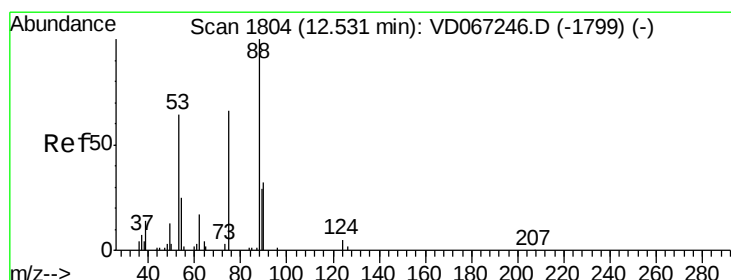
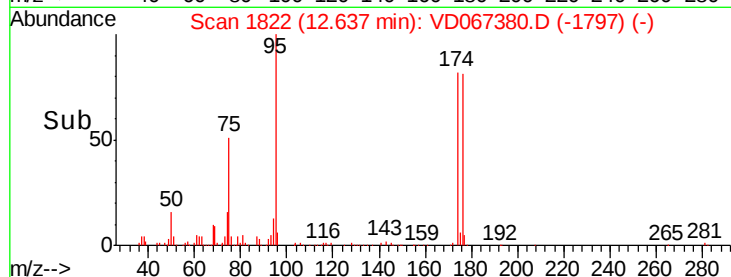
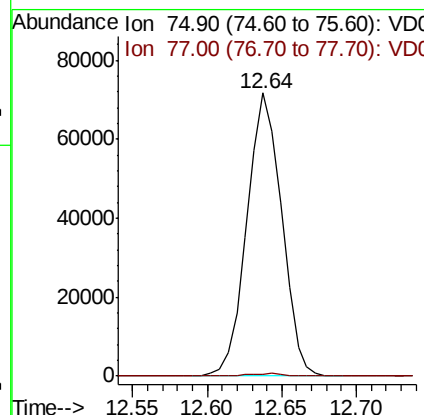
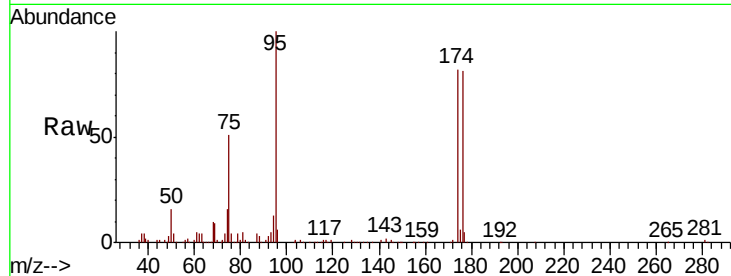




#76
 1,2,3-Trichloropropane
 Concen: 64.986 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067380.D
 Acq: 23 Oct 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-3

Tot Ion: 75 Resp: 115390
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.370 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067380.D
 Acq: 23 Oct 2020 14:20

Tgt Ion: 75 Resp: 115390
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.1 39.9 59.9#

