

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067457.D
 Acq On : 29 Oct 2020 17:35
 Operator : VA/SY
 Sample : L4560-06
 Misc : 7.75G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC3-SO-0004

Quant Time: Oct 30 02:29:43 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	309974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249008	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	156049	50.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.50%	
35) Dibromofluoromethane	7.92	113	167510	49.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.52%	
50) Toluene-d8	10.34	98	605906	49.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.64	95	215407	50.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.70%	

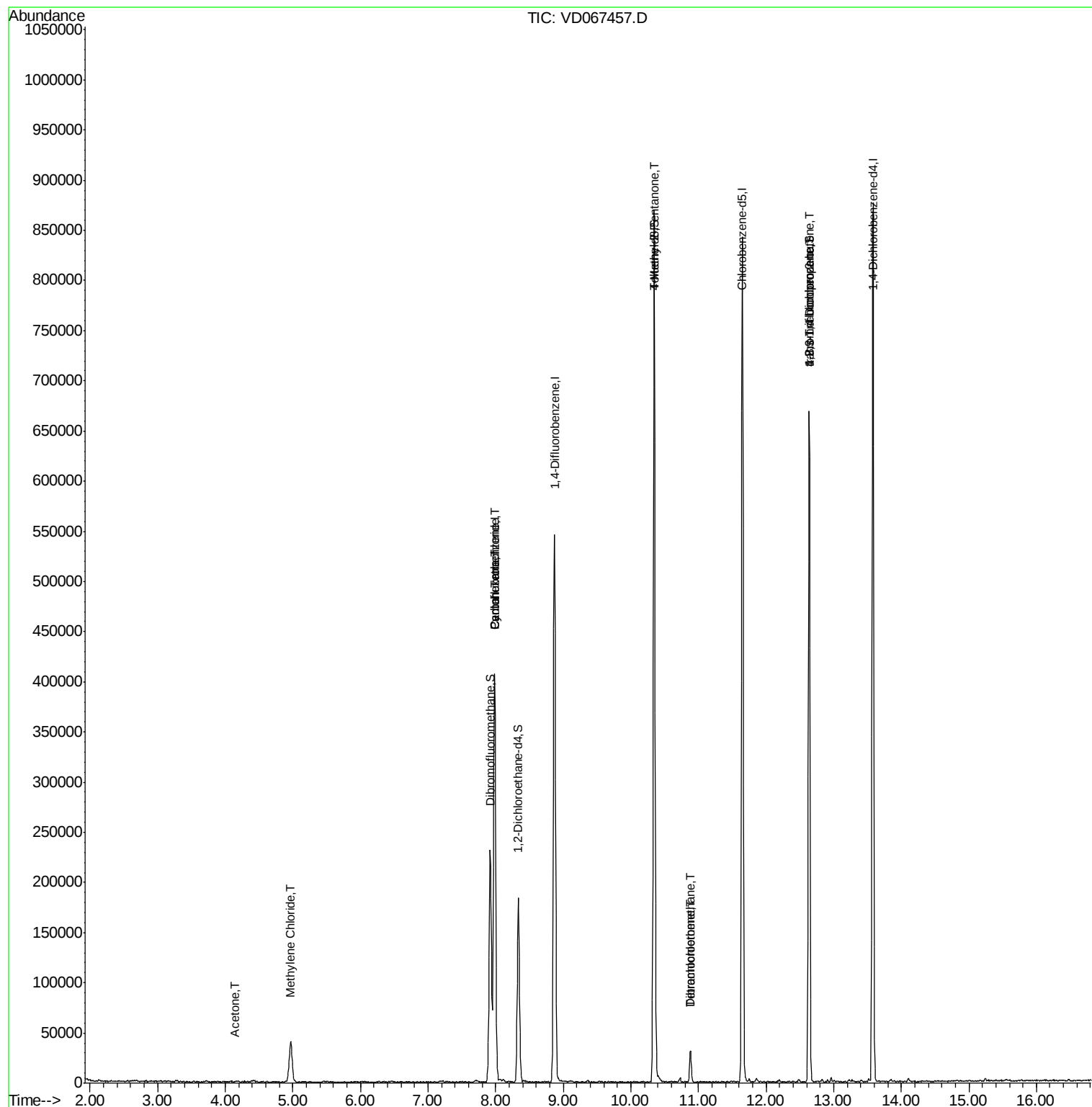
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	502	Below Cal	#	5
5) Bromomethane	2.77	94	127	Below Cal	#	30
16) Acetone	4.16	43	1484	3.412	ug/l #	42
20) Methylene Chloride	4.96	84	34070	8.504	ug/l	93
31) Cyclohexane	7.98	56	6400	1.789	ug/l #	36
38) Carbon Tetrachloride	7.98	117	32208	5.878	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	2283	1.829	ug/l #	1
60) Dibromochloromethane	10.88	129	7061	2.091	ug/l #	11
64) Tetrachloroethene	10.88	164	7219	1.998	ug/l #	85
76) 1,2,3-Trichloropropane	12.64	75	110840	64.223	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110840	145.639	ug/l #	10

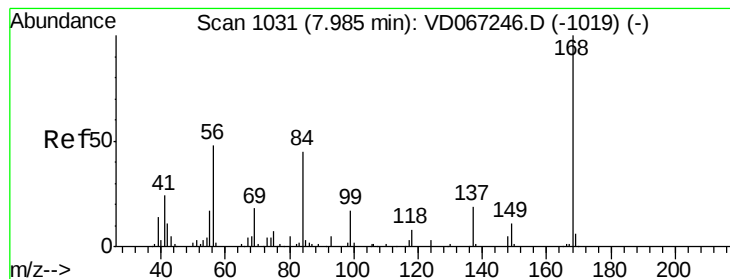
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
Data File : VD067457.D
Acq On : 29 Oct 2020 17:35
Operator : VA/SY
Sample : L4560-06
Misc : 7.75G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC3-SO-0004

Quant Time: Oct 30 02:29:43 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: VD067457.D

Acq: 29 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

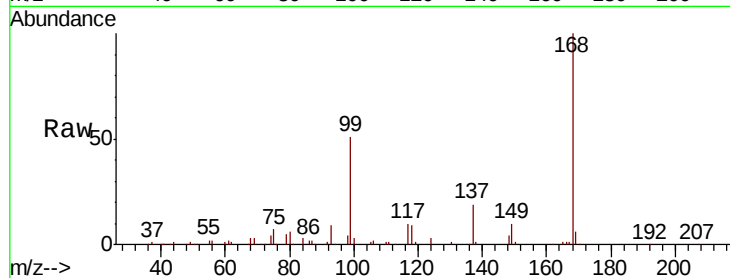
B308-B309-LOC3-SO-0004

Tot Ion:168 Resp: 309974

Ion Ratio Lower Upper

168 100

99 51.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

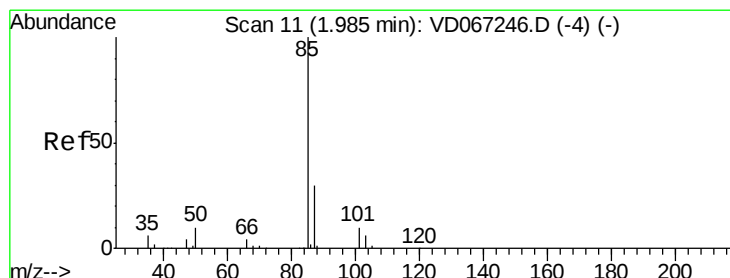
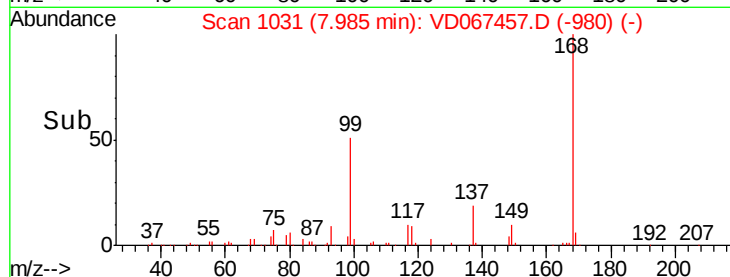
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067457.D

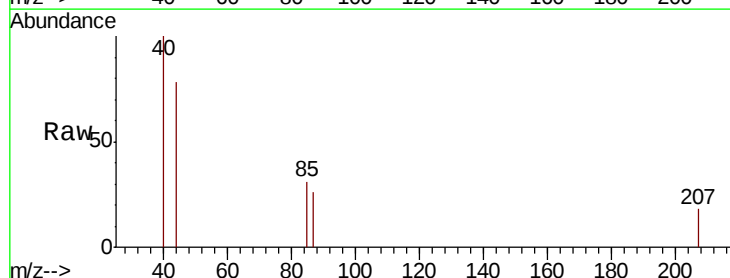
Acq: 29 Oct 2020 17:35

Tgt Ion: 85 Resp: 502

Ion Ratio Lower Upper

85 100

87 82.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

400

300

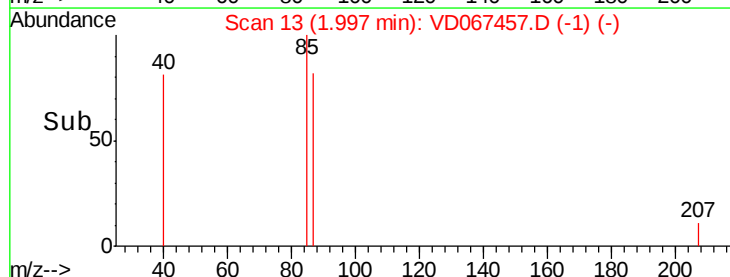
200

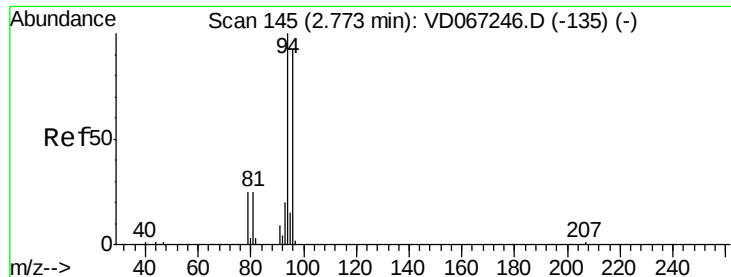
100

0

1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067457.D

Acq: 29 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

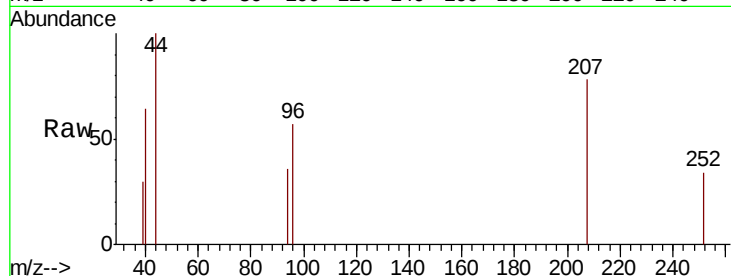
B308-B309-LOC3-SO-0004

Tot Ion: 94 Resp: 127

Ion Ratio Lower Upper

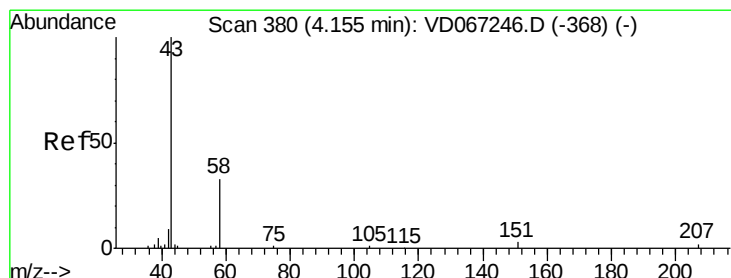
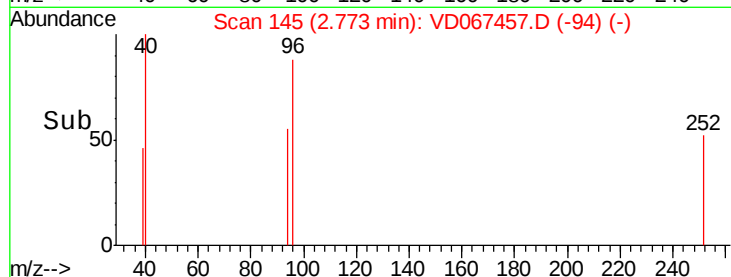
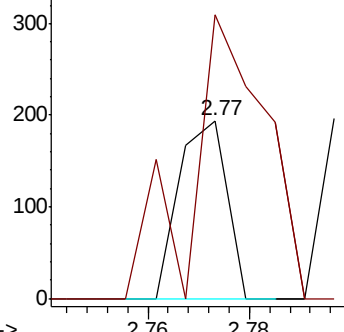
94 100

96 159.3 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 3.412 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067457.D

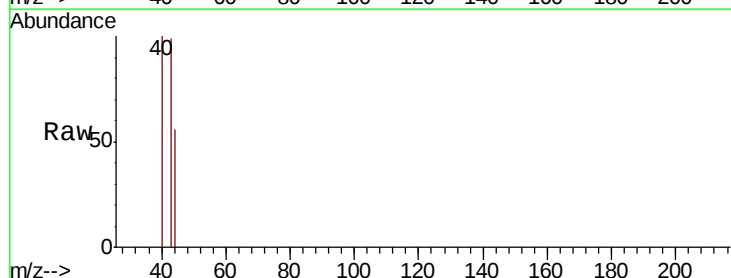
Acq: 29 Oct 2020 17:35

Tgt Ion: 43 Resp: 1484

Ion Ratio Lower Upper

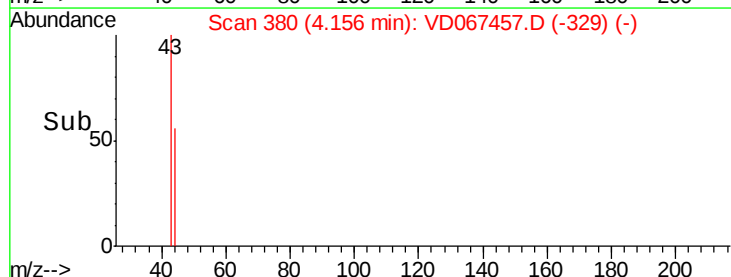
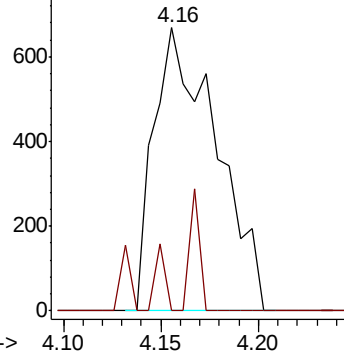
43 100

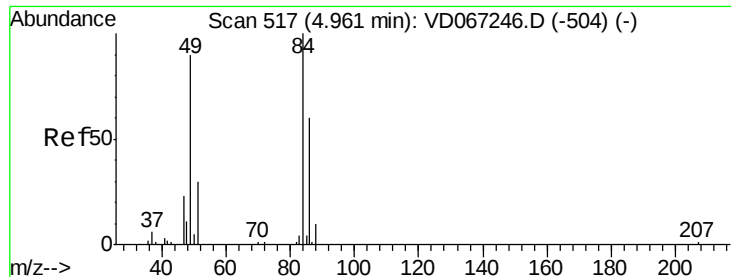
58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

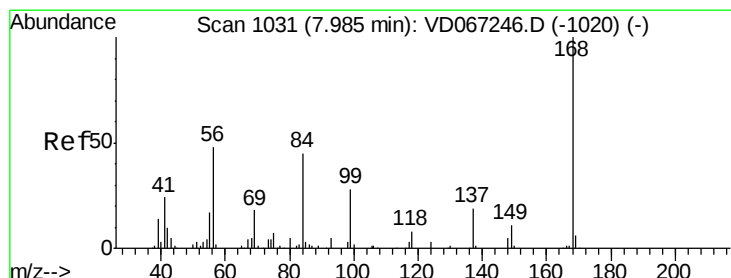
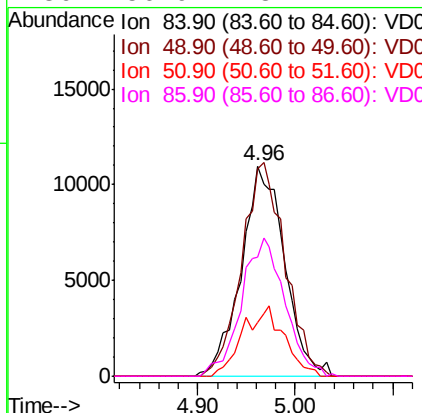
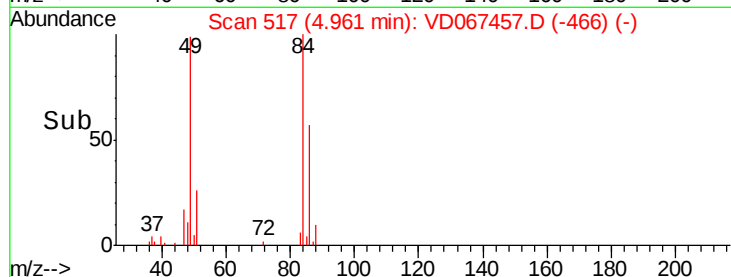
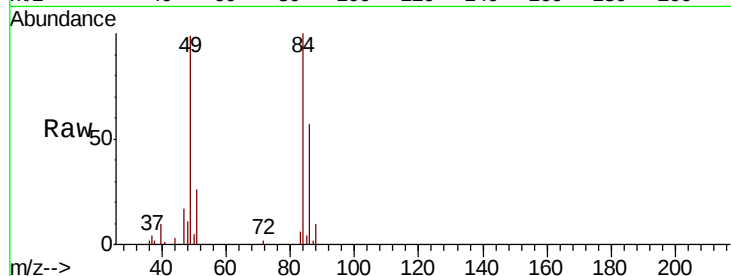




#20
Methvlene Chloride
Concen: 8.504 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

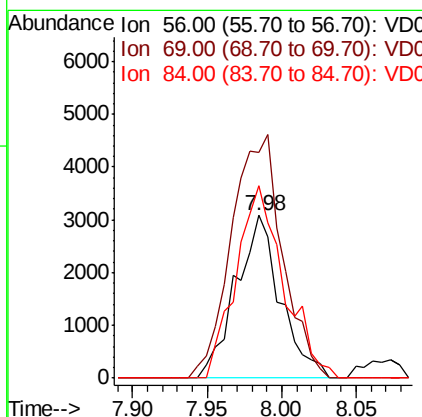
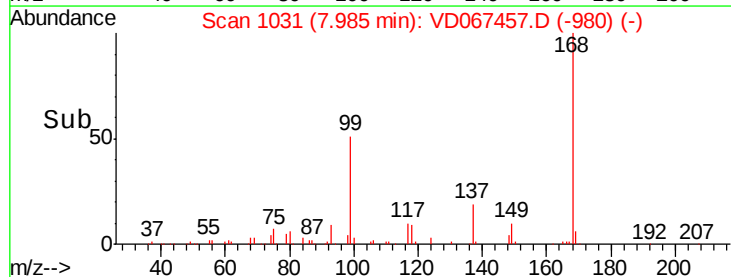
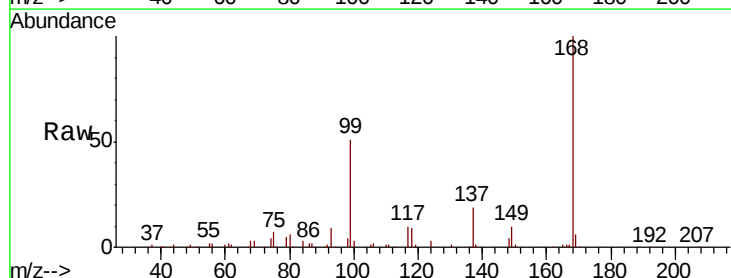
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC3-SO-0004

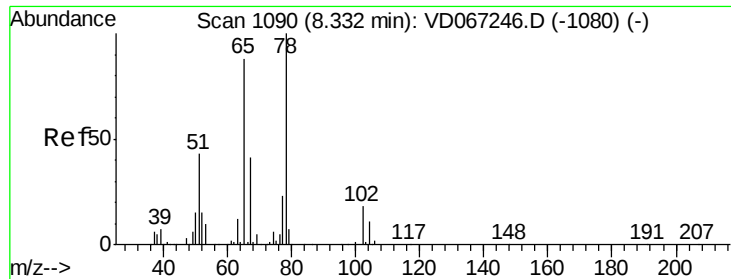
Tot Ion: 84 Resp: 34070
Ion Ratio Lower Upper
84 100
49 98.6 72.2 108.2
51 25.8 23.8 35.8
86 56.9 48.2 72.4



#31
Cyclohexane
Concen: 1.789 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

Tgt Ion: 56 Resp: 6400
Ion Ratio Lower Upper
56 100
69 138.5 29.8 44.6#
84 118.2 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 50.250 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067457.D

Acq: 29 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

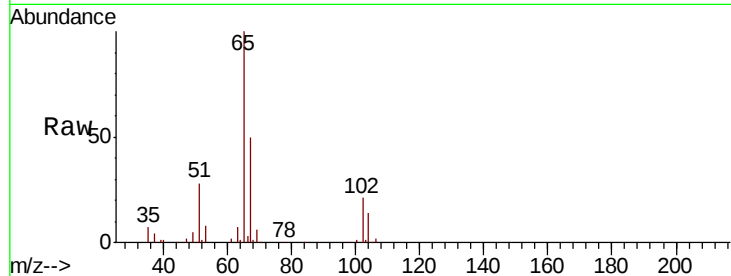
B308-B309-LOC3-SO-0004

Tot Ion: 65 Resp: 156049

Ion Ratio Lower Upper

65 100

67 50.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

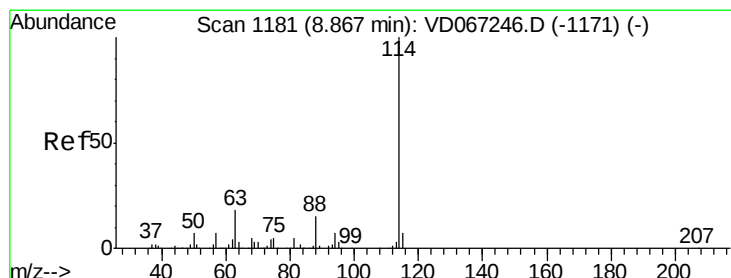
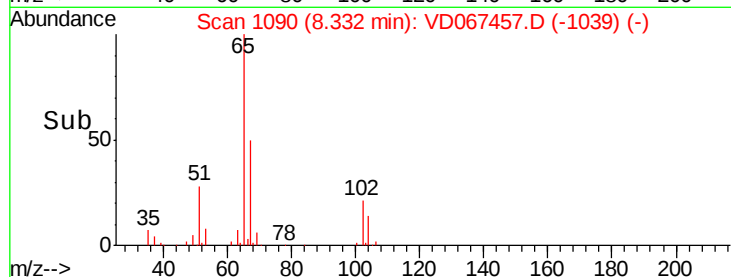
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067457.D

Acq: 29 Oct 2020 17:35

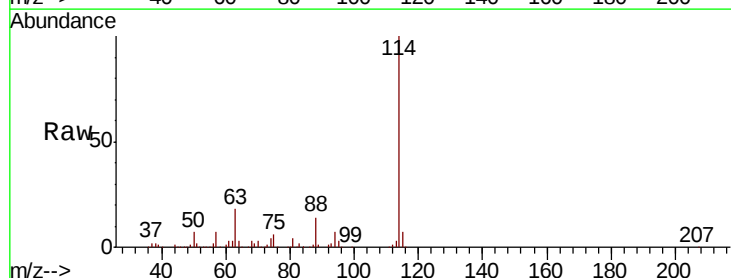
Tgt Ion: 114 Resp: 505838

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 14.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

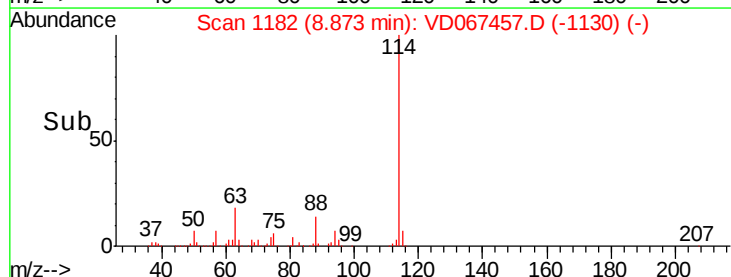
300000

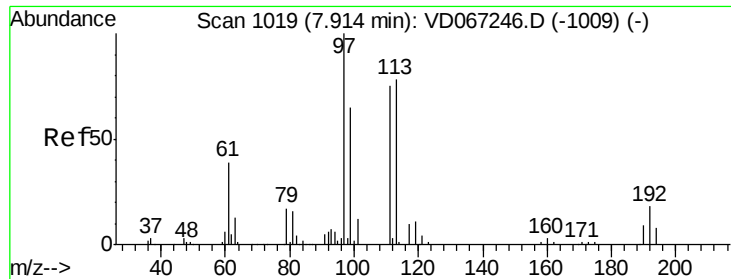
200000

100000

0

Time--> 8.80 8.90 9.00

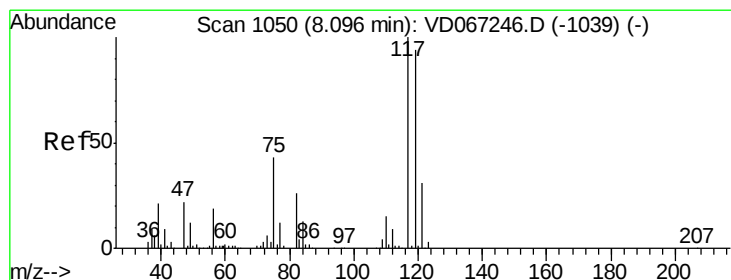
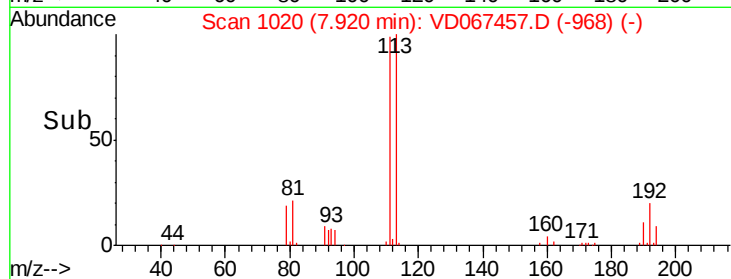
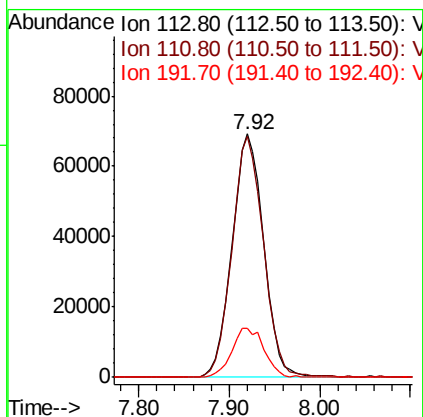
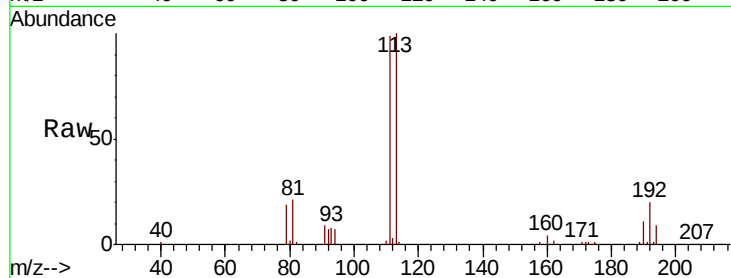




#35
 Dibromofluoromethane
 Concen: 49.760 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067457.D
 Acq: 29 Oct 2020 17:35

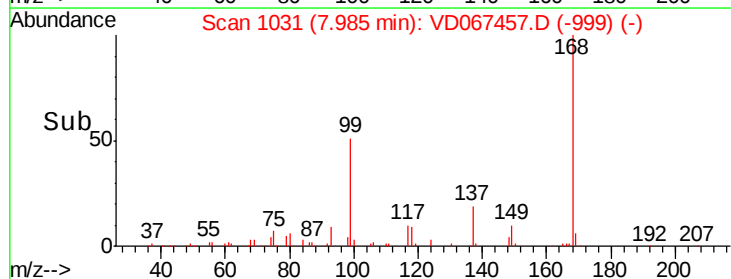
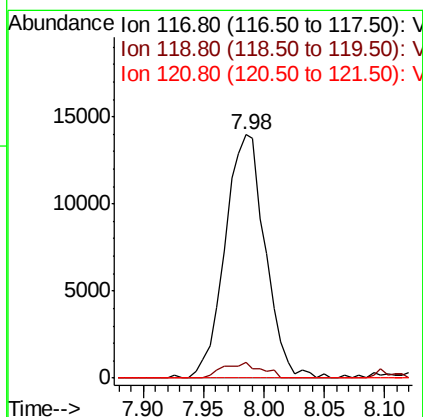
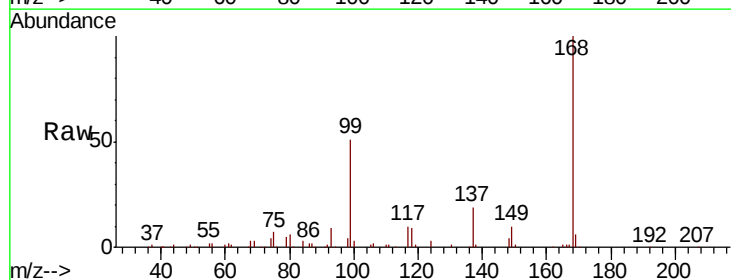
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC3-SO-0004

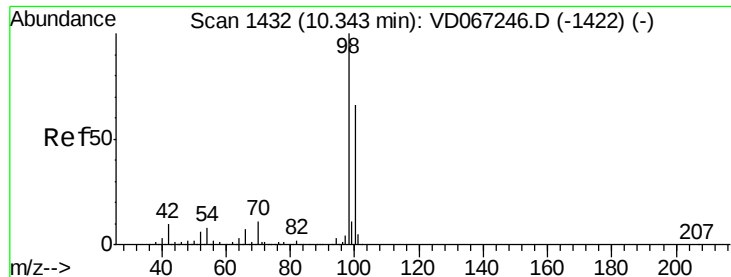
Tot Ion:113 Resp: 167510
 Ion Ratio Lower Upper
 113 100
 111 98.5 81.6 122.4
 192 20.7 17.0 25.4



#38
 Carbon Tetrachloride
 Concen: 5.878 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067457.D
 Acq: 29 Oct 2020 17:35

Tgt Ion:117 Resp: 32208
 Ion Ratio Lower Upper
 117 100
 119 6.3 75.0 112.4#
 121 0.0 24.9 37.3#

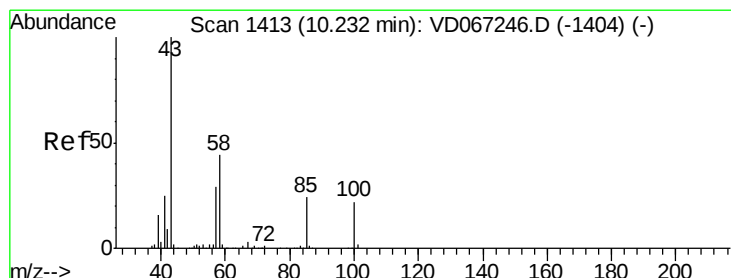
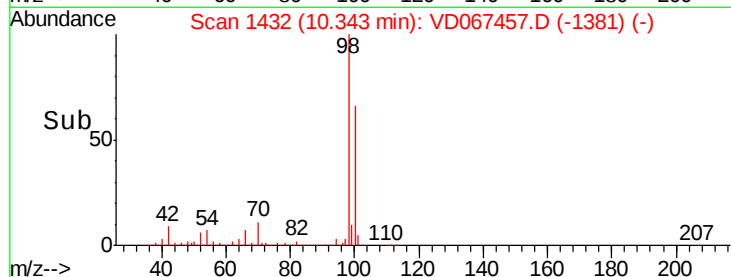
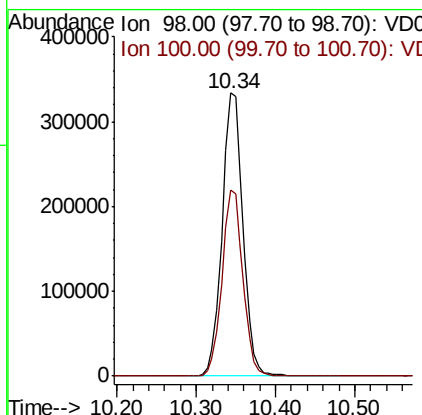
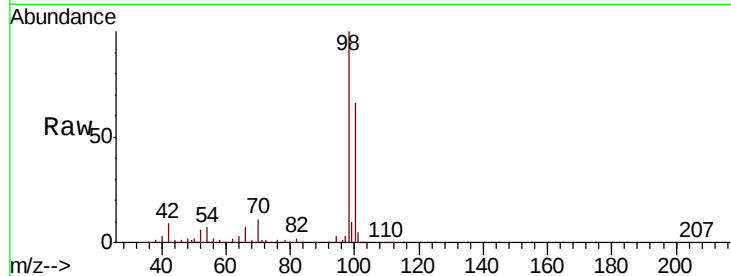




#50
Toluene-d8
Concen: 49.736 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

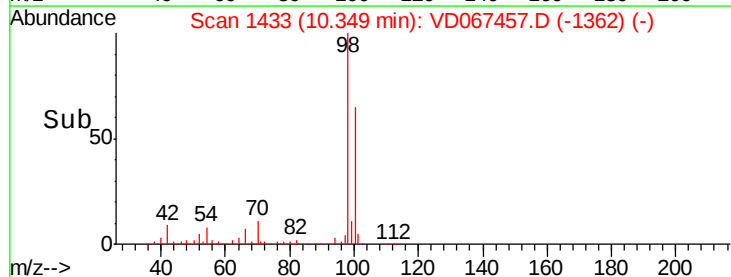
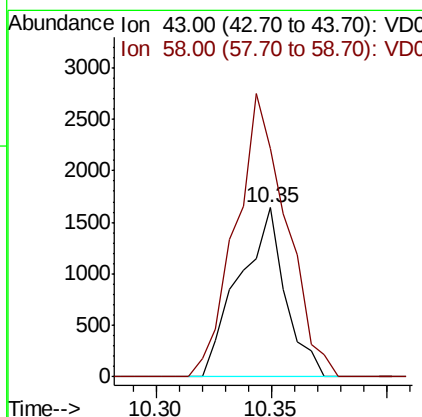
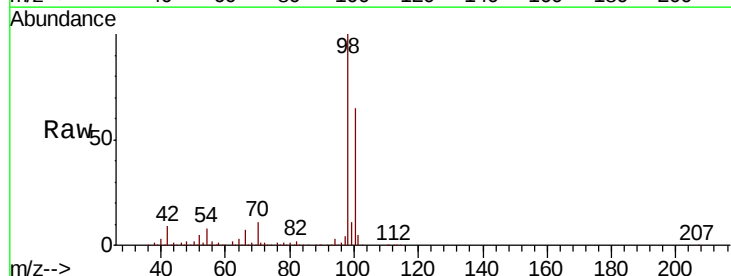
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC3-SO-0004

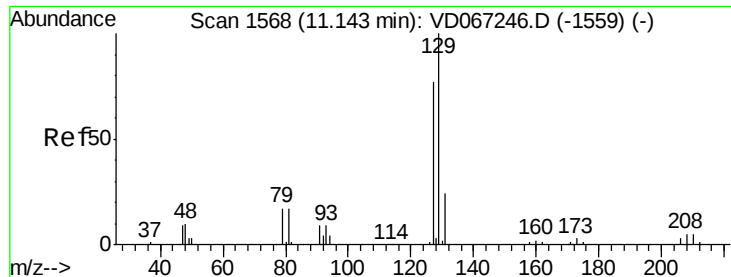
Tot Ion: 98 Resp: 605906
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.829 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
58 184.0 35.7 53.5#

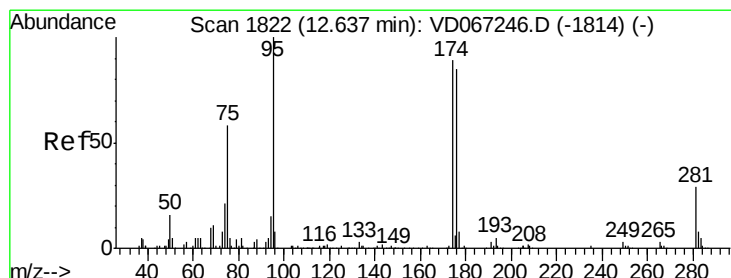
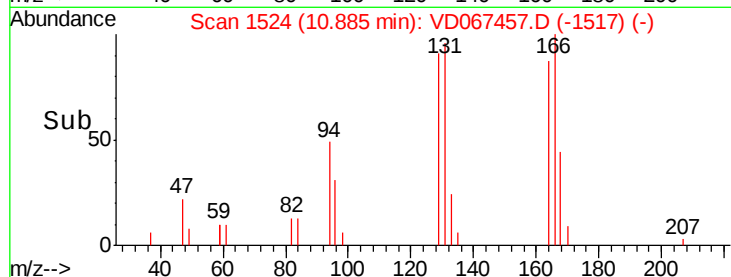
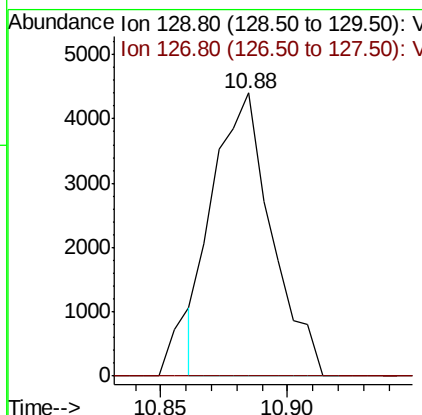
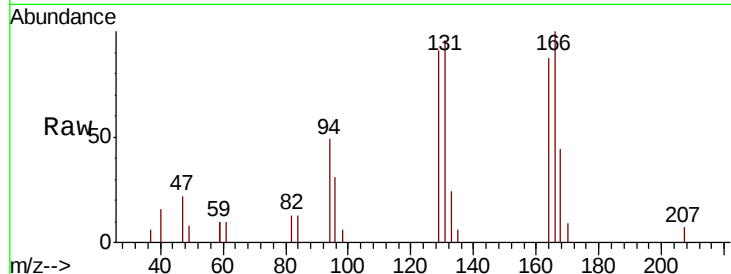




#60
Dibromochloromethane
Concen: 2.091 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. -0.26 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

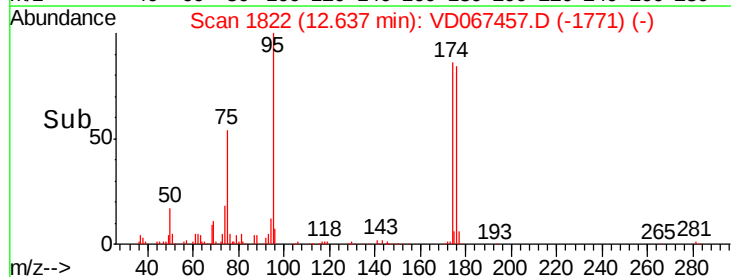
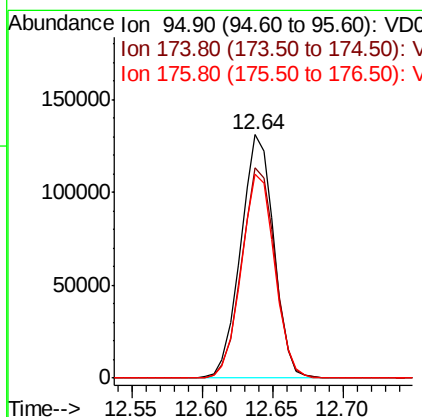
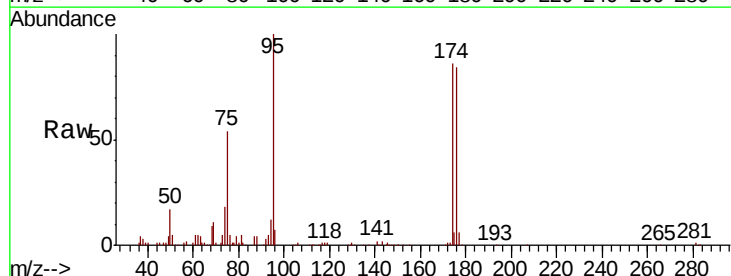
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC3-SO-0004

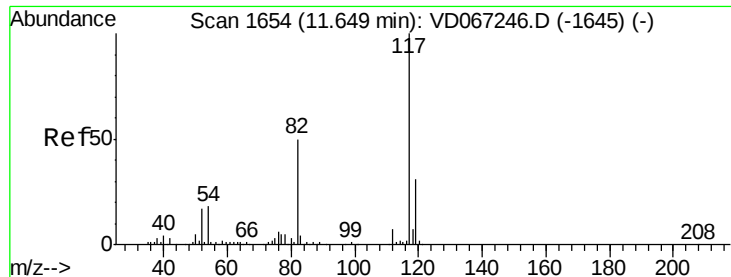
Tot Ion:129 Resp: 7061
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#



#62
4-Bromofluorobenzene
Concen: 50.850 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

Tgt Ion: 95 Resp: 215407
Ion Ratio Lower Upper
95 100
174 87.3 0.0 175.2
176 84.3 0.0 168.6

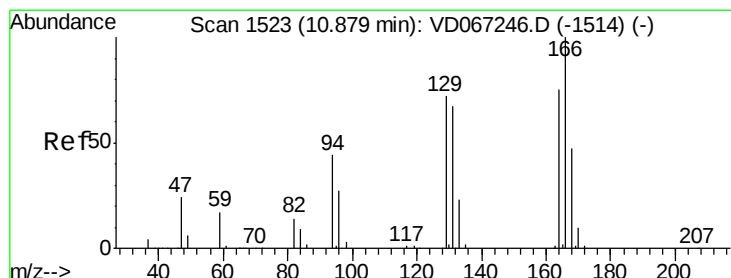
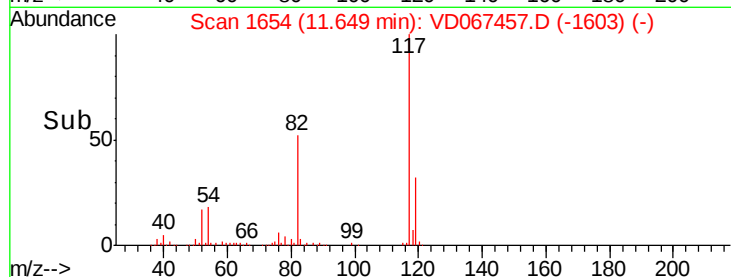
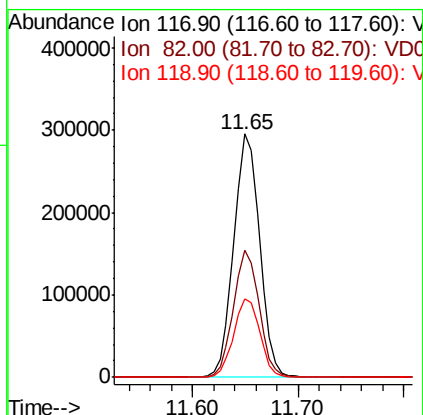
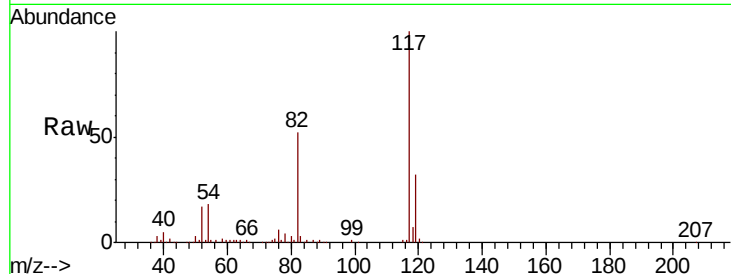




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

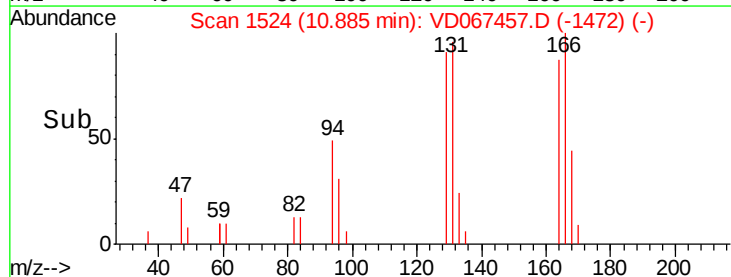
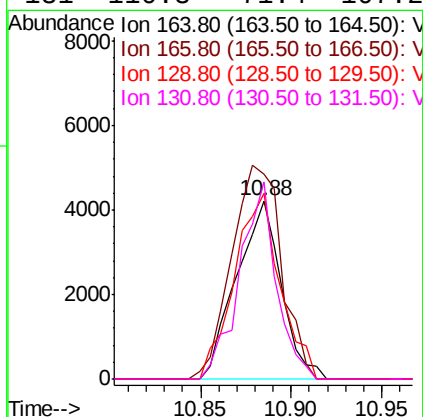
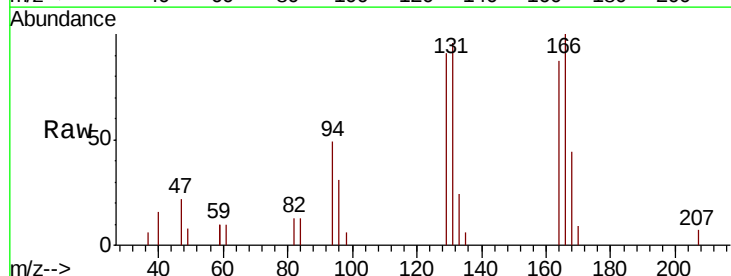
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC3-SO-0004

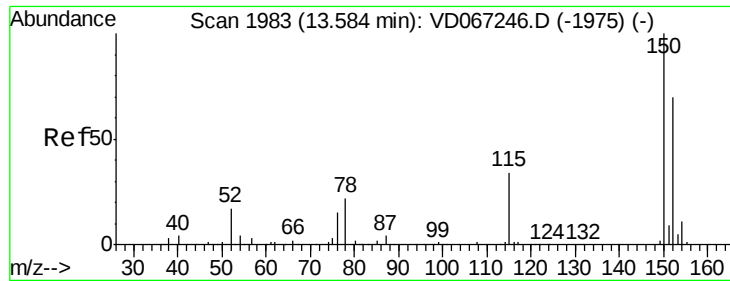
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	39.9	59.9
119	32.4	24.9	37.3



#64
Tetrachloroethene
Concen: 1.998 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067457.D
Acq: 29 Oct 2020 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	115.3	107.3	160.9
129	104.4	77.3	115.9
131	110.3	71.4	107.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067457.D

Acq: 29 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC3-SO-0004

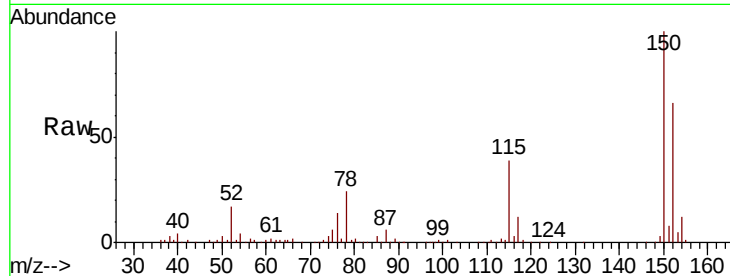
Tot Ion:152 Resp: 249008

Ion Ratio Lower Upper

152 100

115 58.3 29.3 87.9

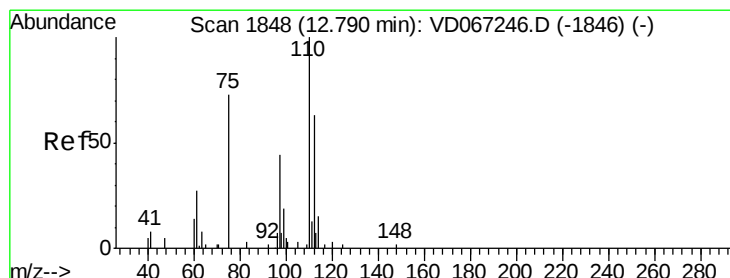
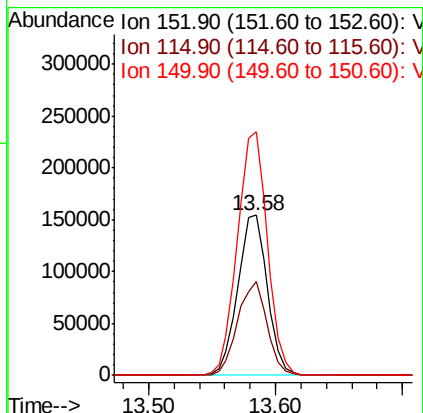
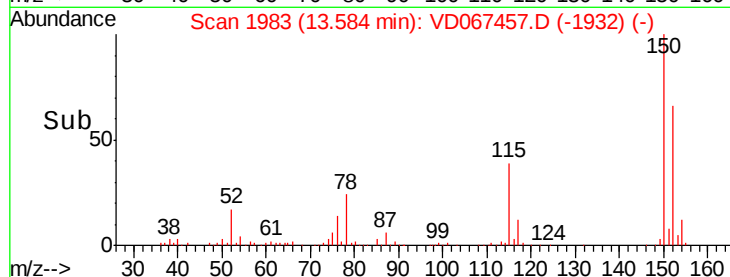
150 154.5 0.0 339.0



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: 64.223 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067457.D

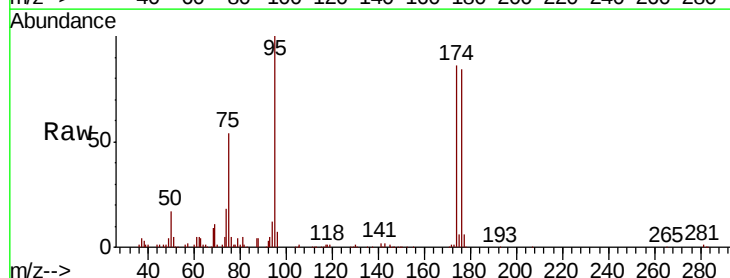
Acq: 29 Oct 2020 17:35

Tgt Ion: 75 Resp: 110840

Ion Ratio Lower Upper

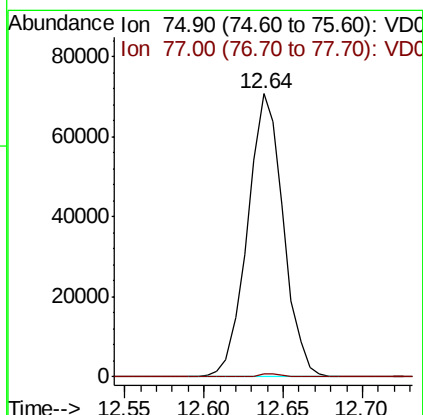
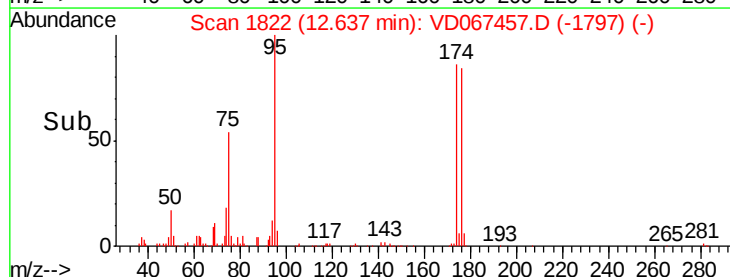
75 100

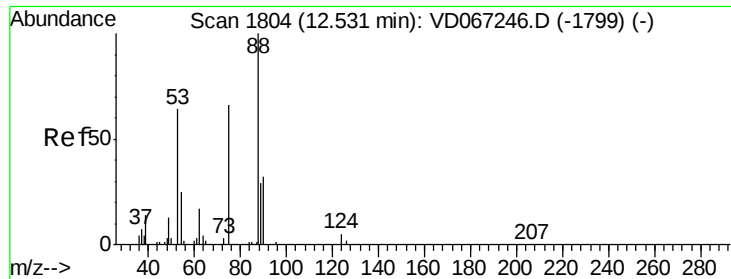
77 0.7 0.0 0.0#



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: 145.639 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067457.D

Acq: 29 Oct 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC3-SO-0004

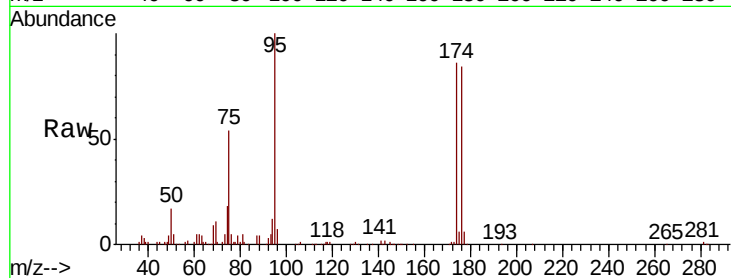
Tot Ion: 75 Resp: 110840

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 39.9 59.9#



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

