

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067470.D
 Acq On : 30 Oct 2020 13:55
 Operator : VA/SY
 Sample : L4560-06
 Misc : 6.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 30 14:16:20 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	312846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	496923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	499758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	153131	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.92	113	160411	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.34	98	598803	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.64	95	207665	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

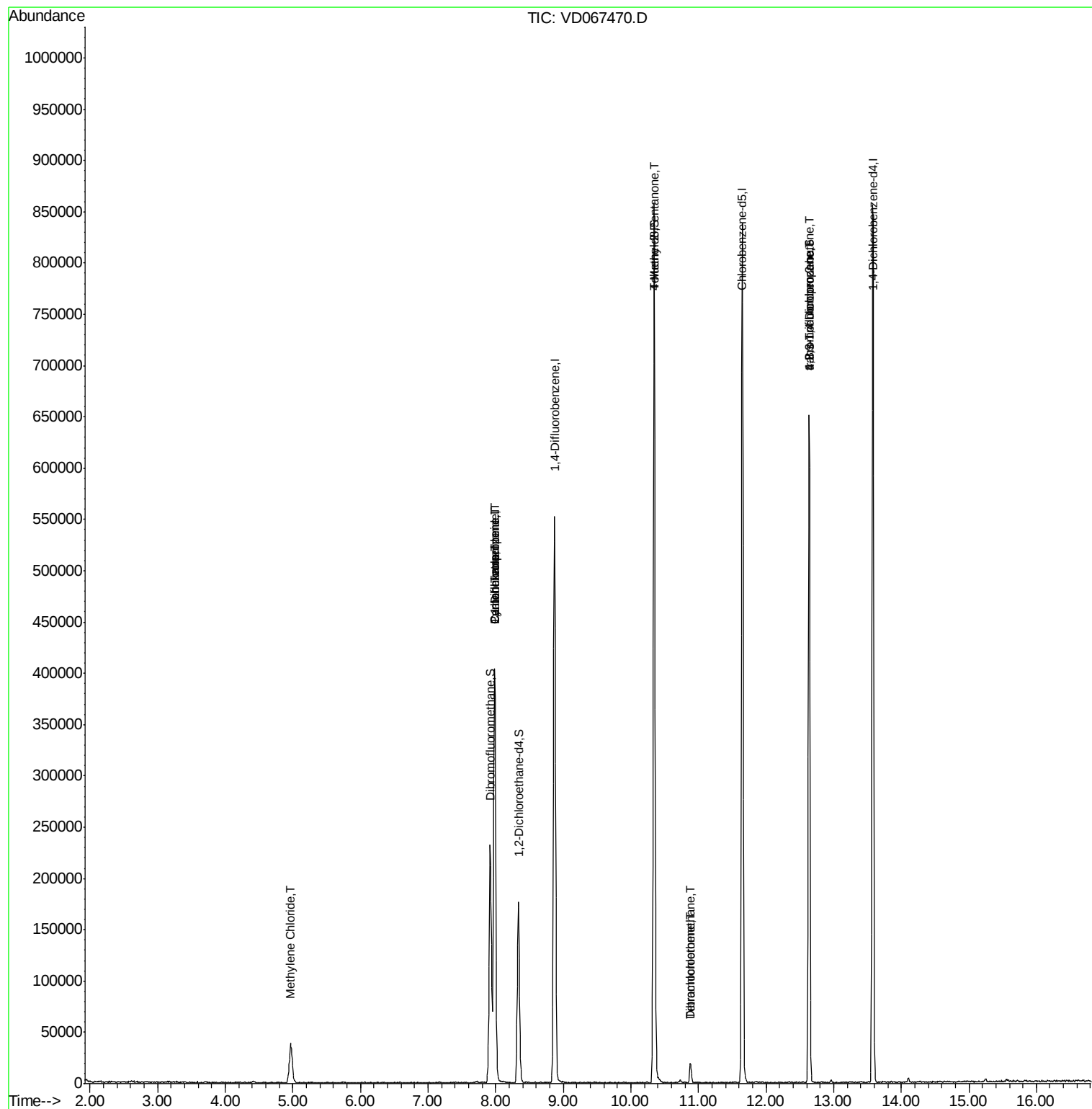
					Qvalue	
5) Bromomethane	2.77	94	242	Below Cal	#	64
20) Methylene Chloride	4.97	84	30939	7.158	ug/l #	87
31) Cyclohexane	7.98	56	6025	1.669	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	20445	4.854	ug/l #	46
38) Carbon Tetrachloride	7.99	117	31927	5.931	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1950	1.590	ug/l #	1
60) Dibromochloromethane	10.88	129	3984	1.201	ug/l #	11
64) Tetrachloroethene	10.88	164	4806	1.327	ug/l	87
76) 1,2,3-Trichloropropane	12.64	75	108345	64.137	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108345	145.443	ug/l #	10

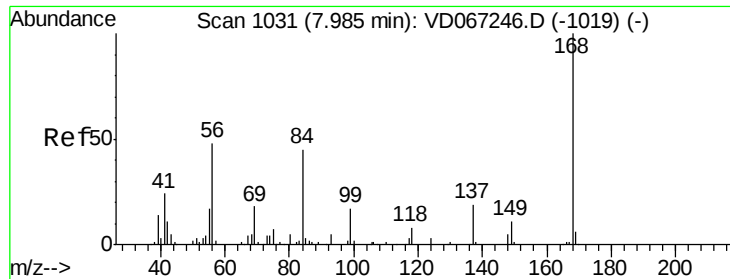
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103020\
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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: VD067470.D

Acq: 30 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

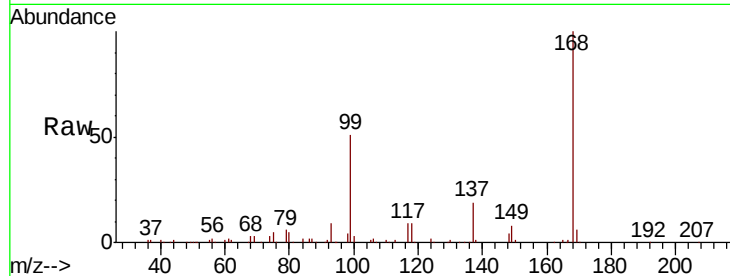
B308-B309-LOC3-SO-0004

Tot Ion:168 Resp: 312846

Ion Ratio Lower Upper

168 100

99 50.6 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

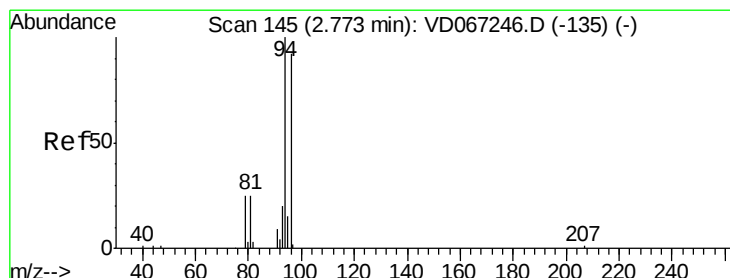
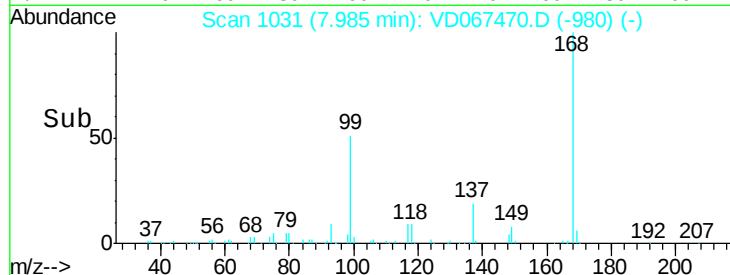
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067470.D

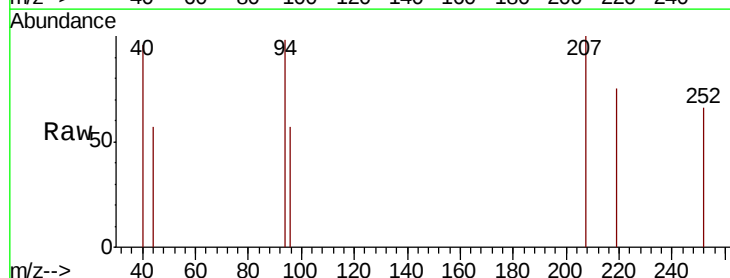
Acq: 30 Oct 2020 13:55

Tgt Ion: 94 Resp: 242

Ion Ratio Lower Upper

94 100

96 57.9 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

300

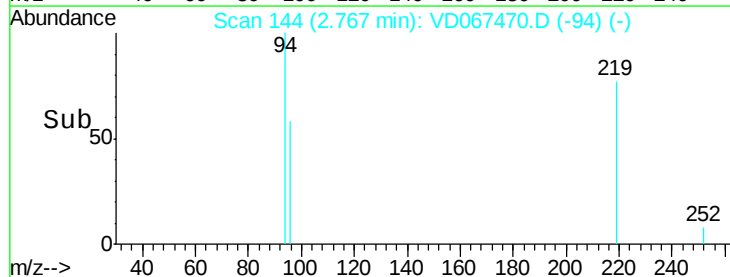
200

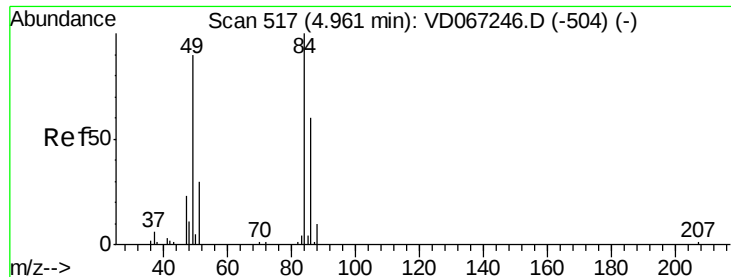
100

0

Time-->

2.74 2.76 2.78 2.80

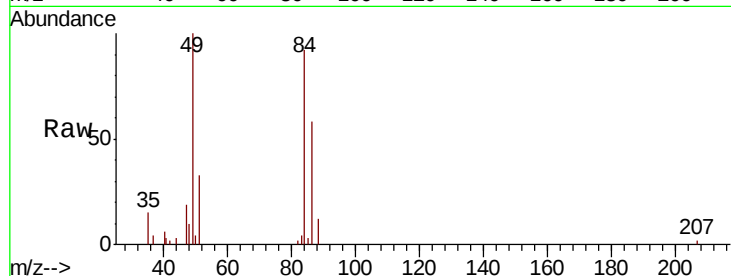




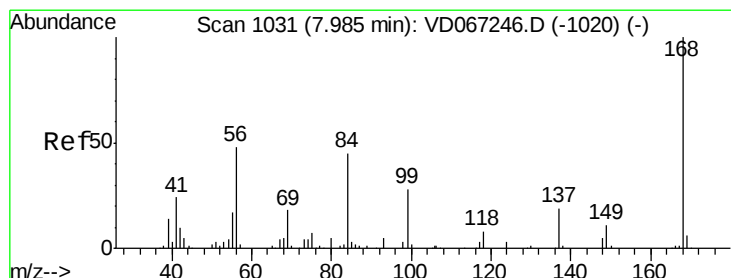
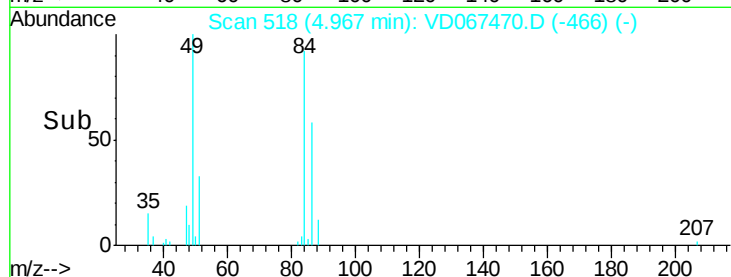
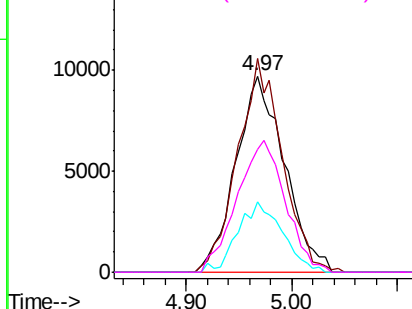
#20
Methvlene Chloride
Concen: 7.158 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

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

Tot Ion: 84 Resp: 30939
Ion Ratio Lower Upper
84 100
49 109.0 72.2 108.2#
51 36.0 23.8 35.8#
86 62.8 48.2 72.4

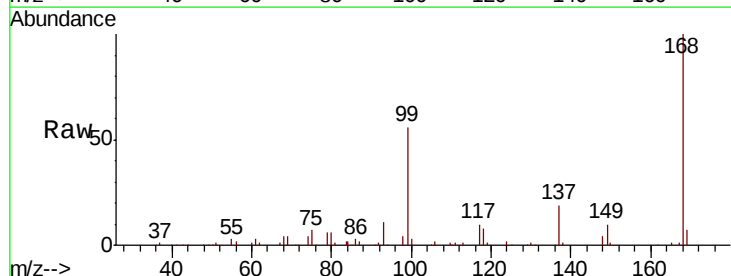


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

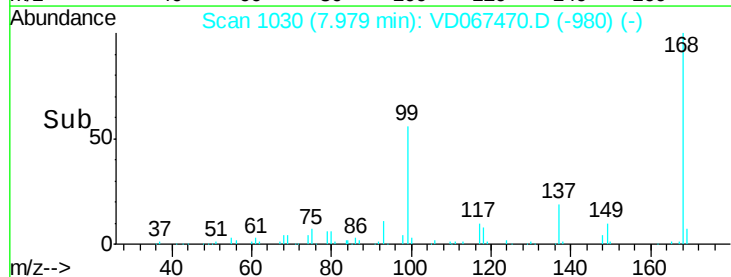
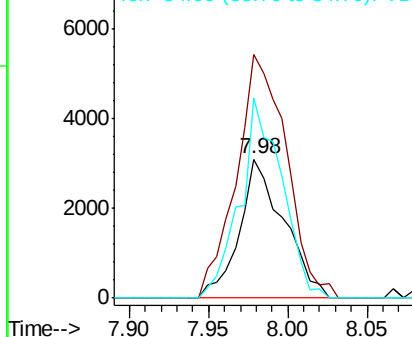


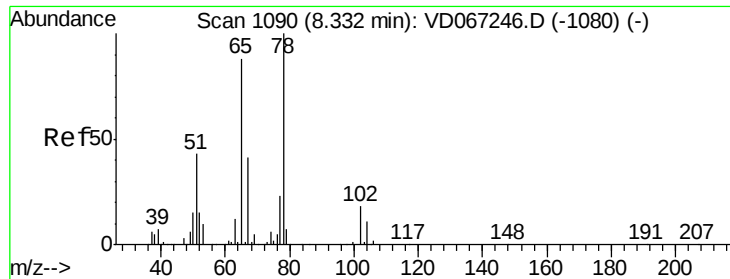
#31
Cyclohexane
Concen: 1.669 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

Tgt Ion: 56 Resp: 6025
Ion Ratio Lower Upper
56 100
69 175.0 29.8 44.6#
84 143.4 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

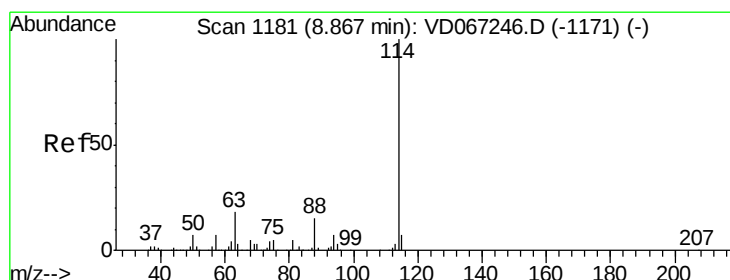
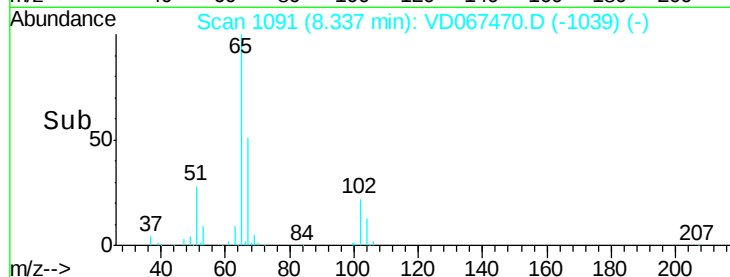
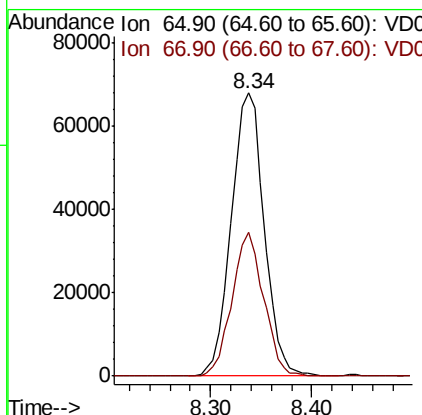
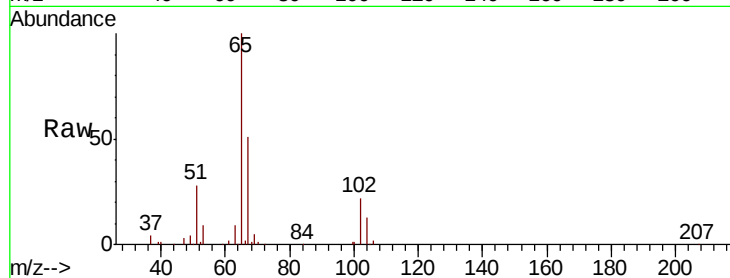




#33
 1,2-Dichloroethane-d4
 Concen: 48.857 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067470.D
 Acq: 30 Oct 2020 13:55

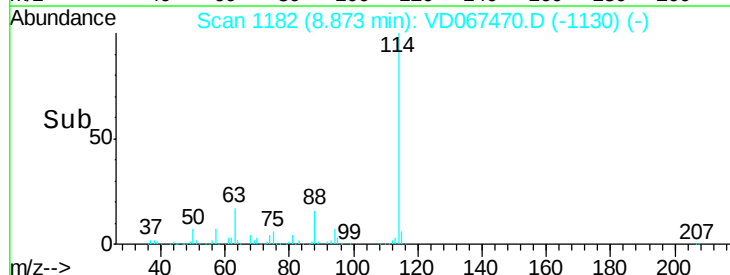
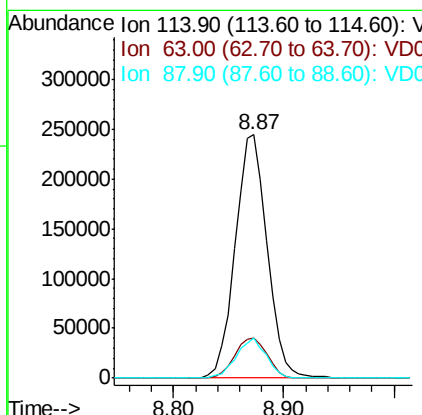
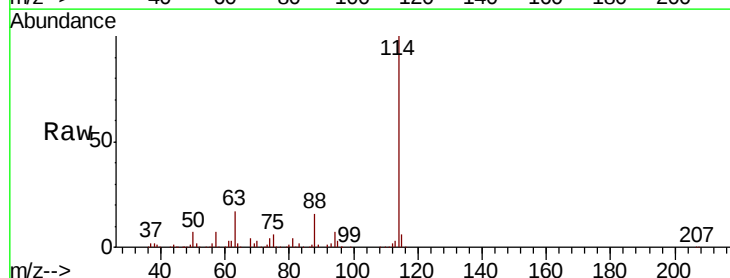
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC3-SO-0004

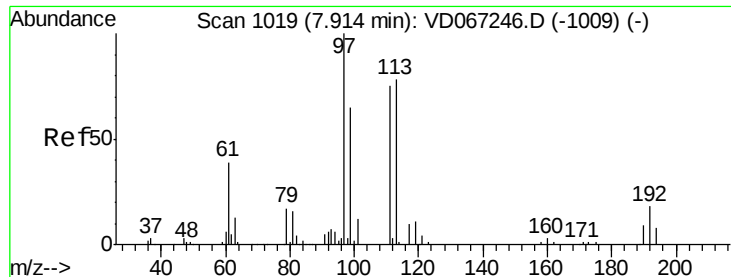
Tot Ion: 65 Resp: 153131
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067470.D
 Acq: 30 Oct 2020 13:55

Tgt Ion: 114 Resp: 496923
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 35.0
 88 16.3 0.0 30.6

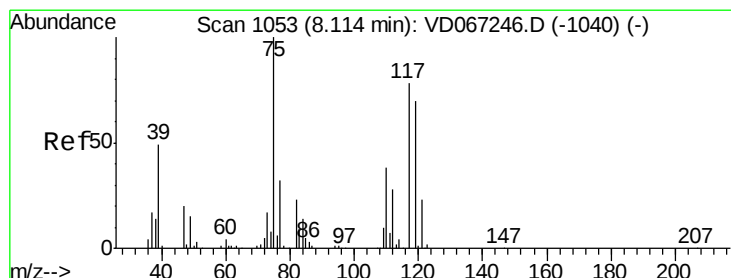
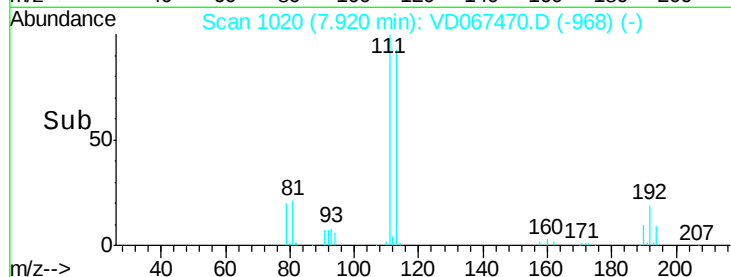
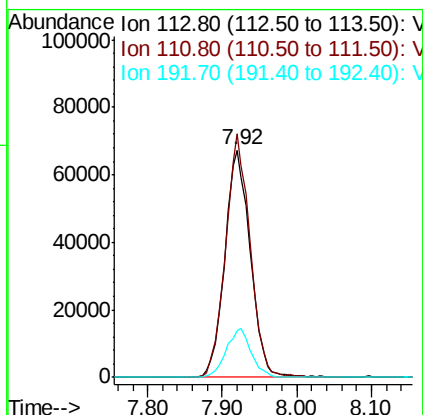
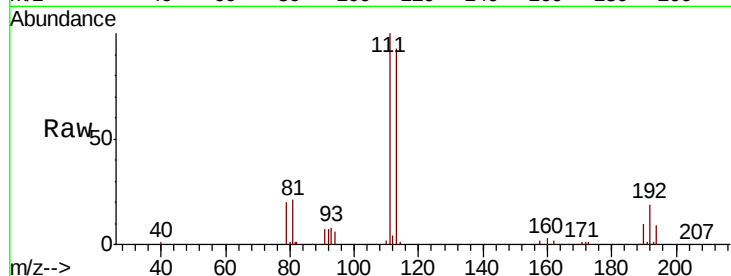




#35
Dibromofluoromethane
Concen: 48.506 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

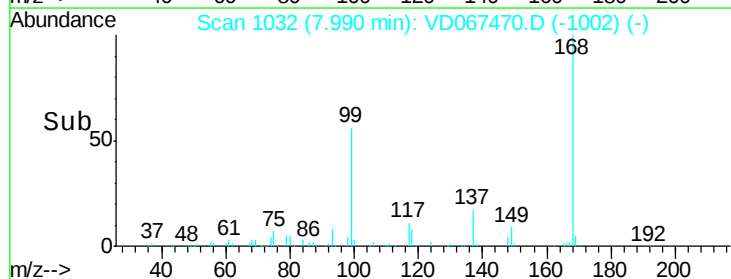
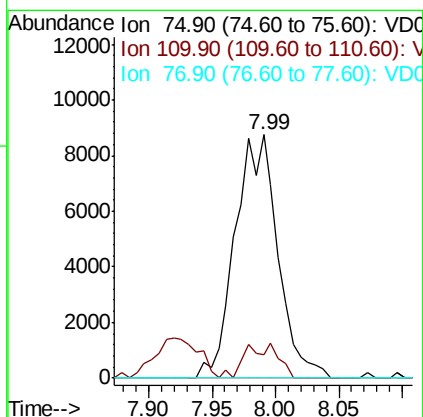
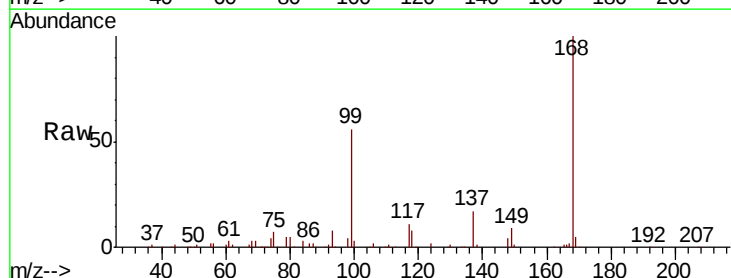
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC3-SO-0004

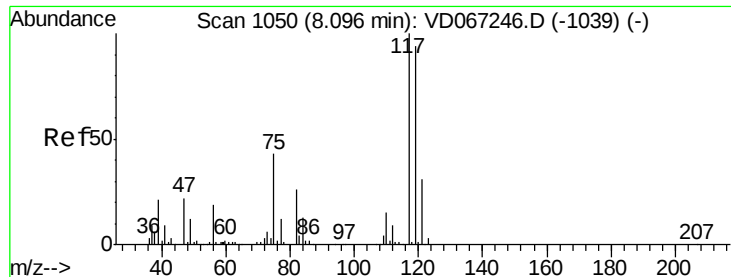
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	20.6	17.0	25.4



#36
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.12 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	19.6	58.7#
77	0.0	24.6	37.0#

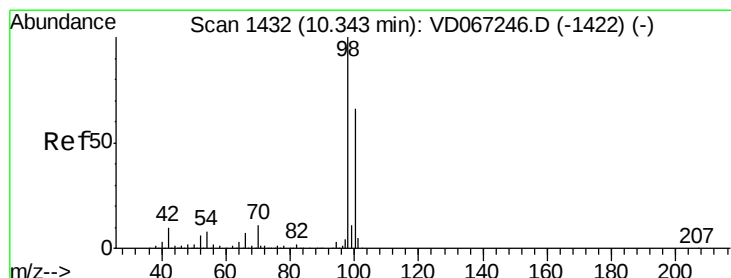
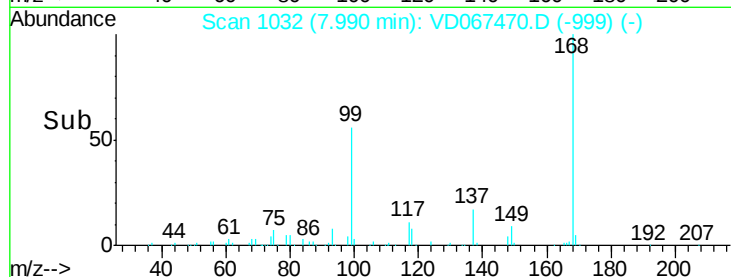
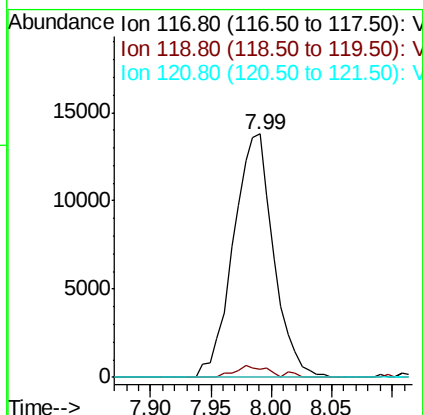
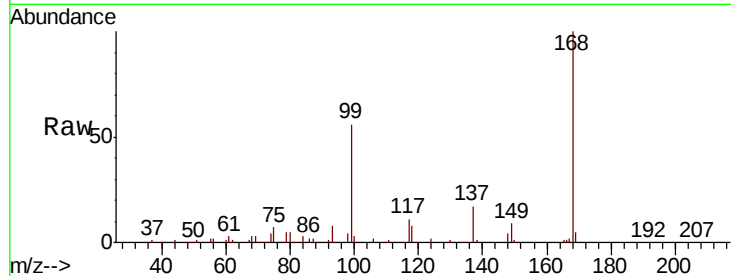




#38
Carbon Tetrachloride
Concen: 5.931 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

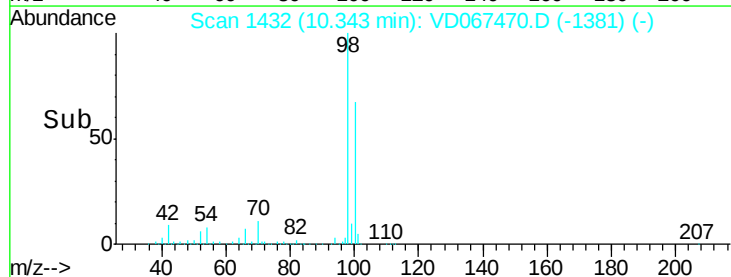
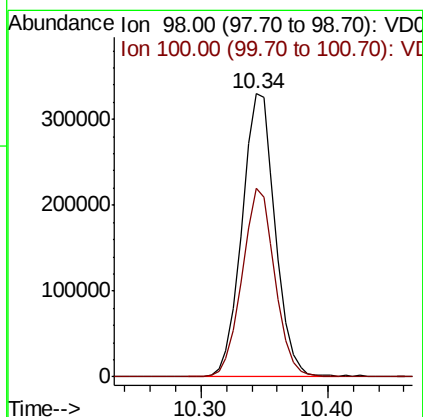
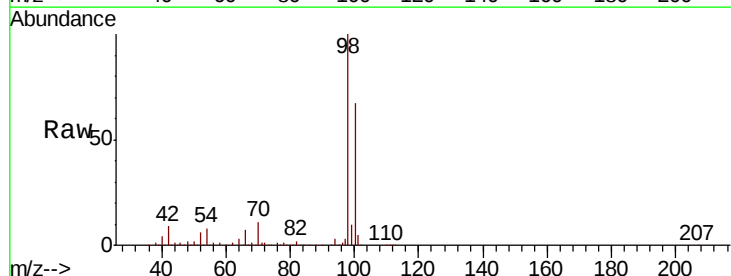
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC3-SO-0004

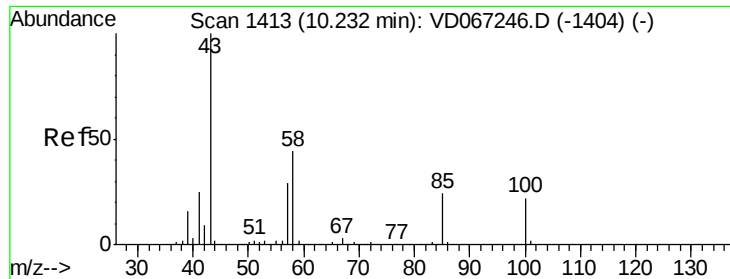
Tot Ion:117 Resp: 31927
Ion Ratio Lower Upper
117 100
119 3.6 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.034 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

Tgt Ion: 98 Resp: 598803
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.590 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067470.D

Acq: 30 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

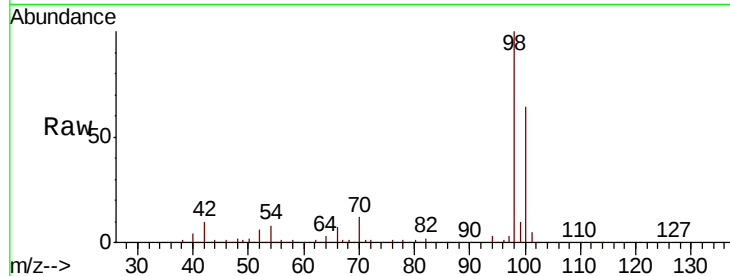
B308-B309-LOC3-SO-0004

Tot Ion: 43 Resp: 1950

Ion Ratio Lower Upper

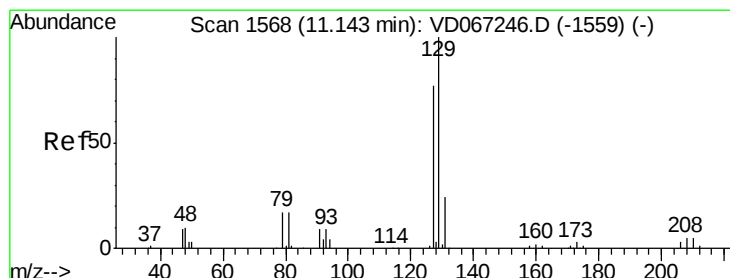
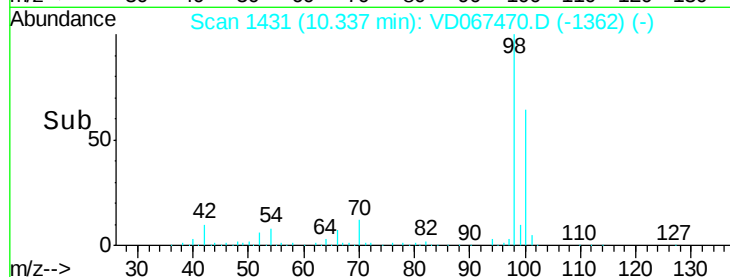
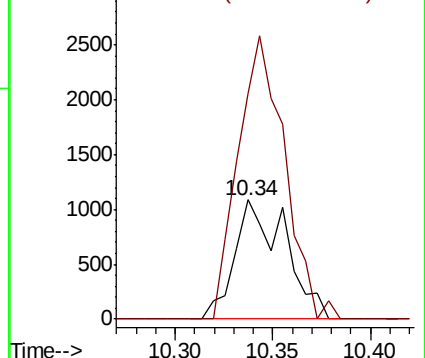
43 100

58 218.4 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 1.201 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.26 min

Lab File: VD067470.D

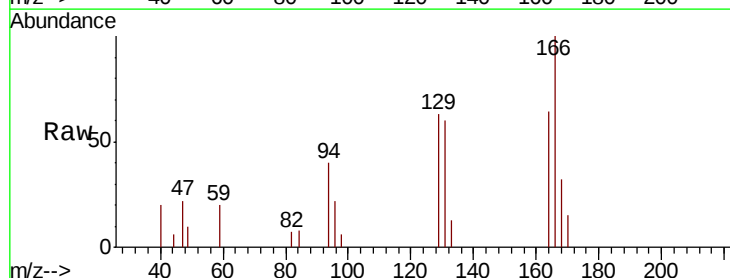
Acq: 30 Oct 2020 13:55

Tgt Ion: 129 Resp: 3984

Ion Ratio Lower Upper

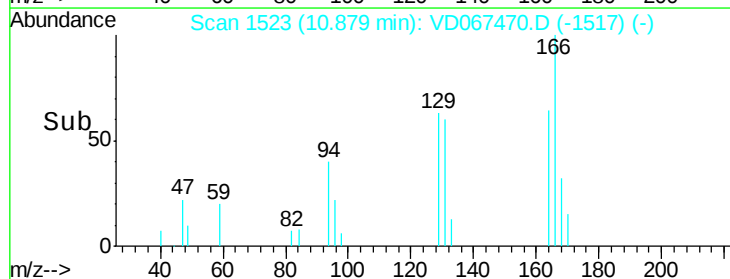
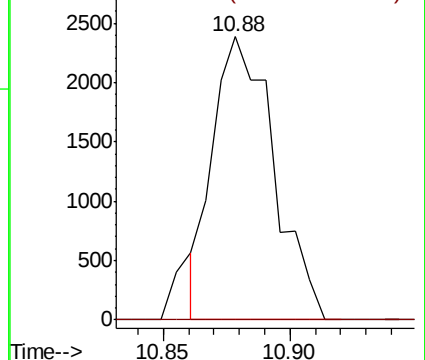
129 100

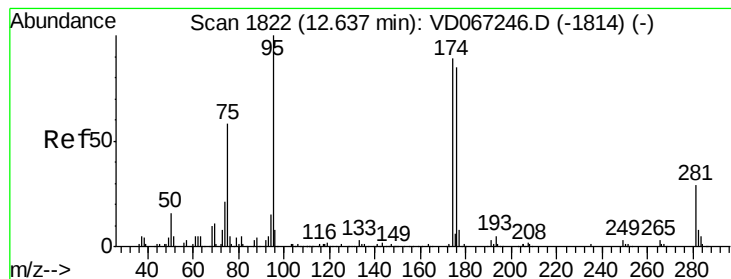
127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 49.902 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067470.D

Acq: 30 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC3-SO-0004

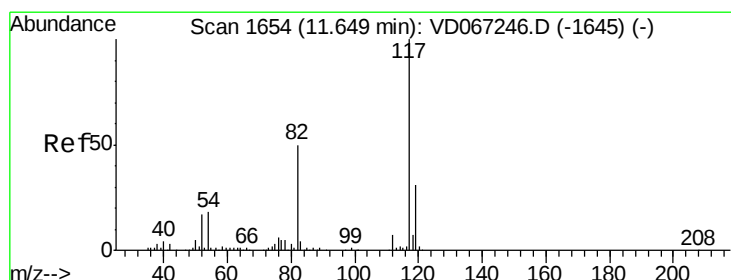
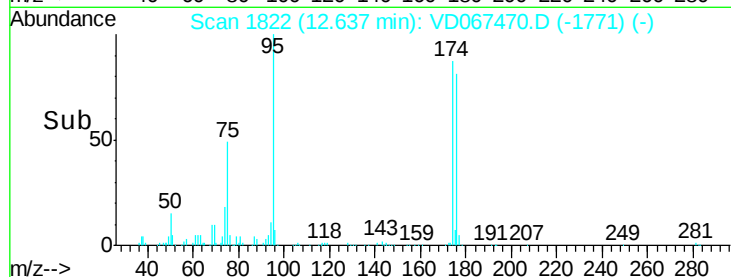
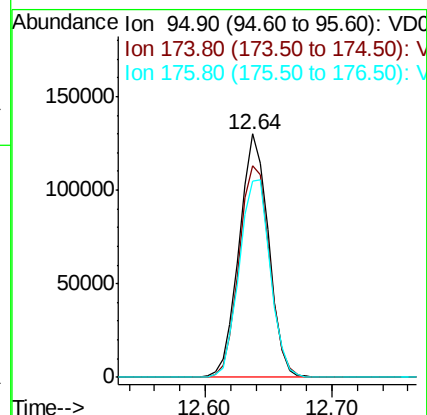
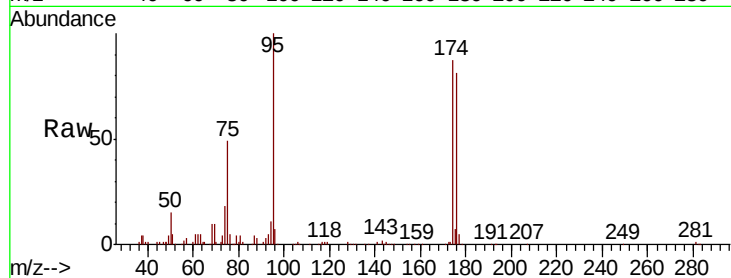
Tot Ion: 95 Resp: 207665

Ion Ratio Lower Upper

95 100

174 90.7 0.0 175.2

176 85.8 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: VD067470.D

Acq: 30 Oct 2020 13:55

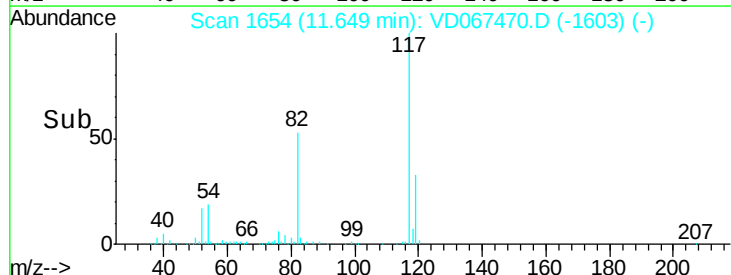
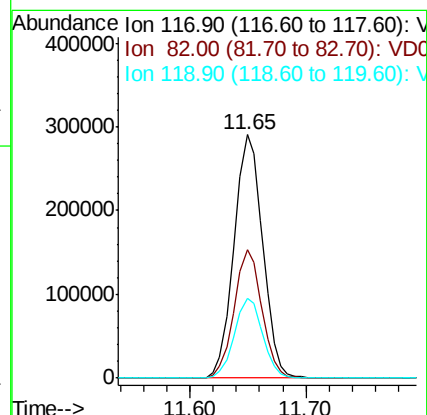
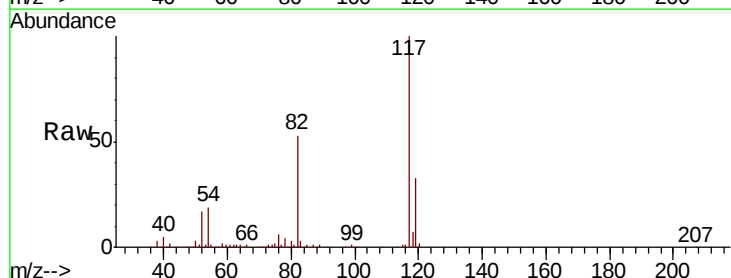
Tgt Ion: 117 Resp: 499758

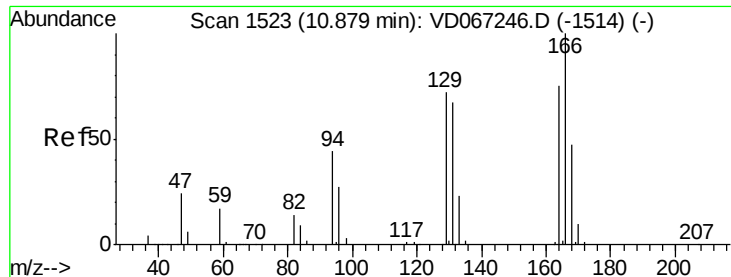
Ion Ratio Lower Upper

117 100

82 52.7 39.9 59.9

119 32.5 24.9 37.3

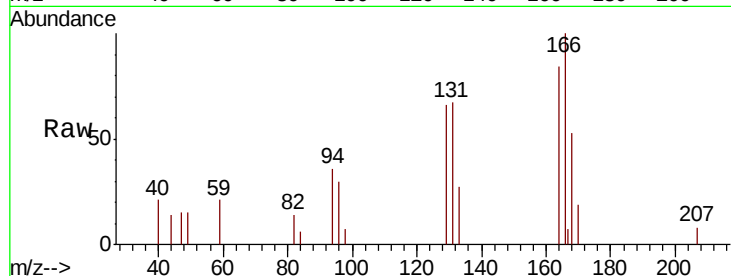




#64
Tetrachloroethene
Concen: 1.327 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	119.4	107.3	160.9
129	78.5	77.3	115.9
131	80.6	71.4	107.2



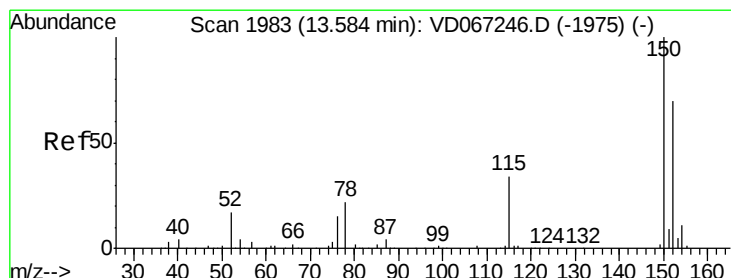
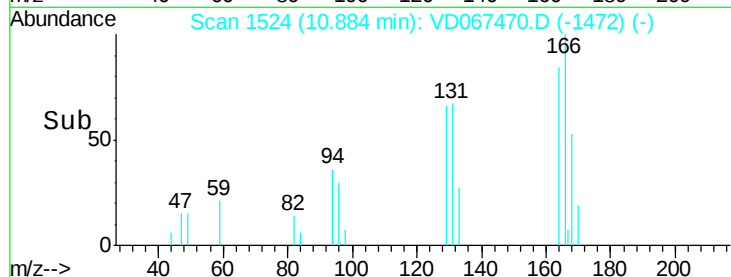
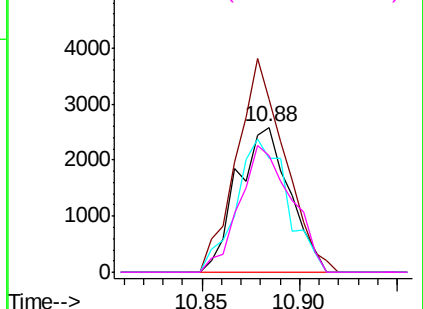
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

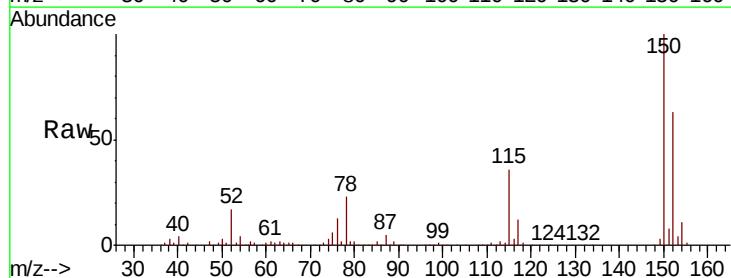
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067470.D
Acq: 30 Oct 2020 13:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	87.9
150	157.9	0.0	339.0

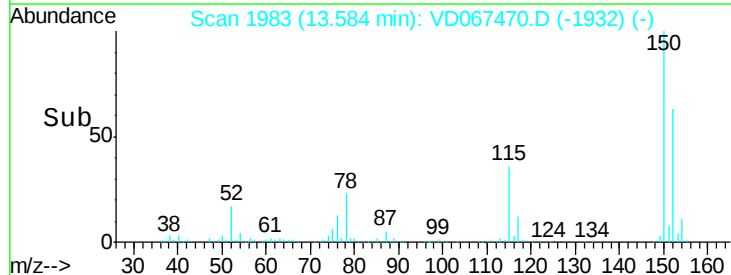
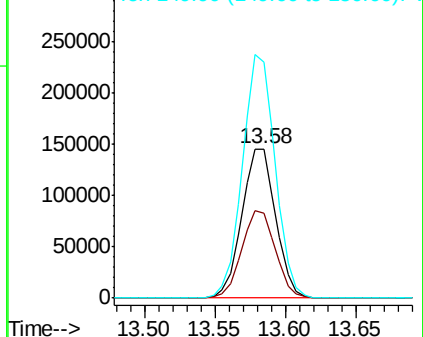


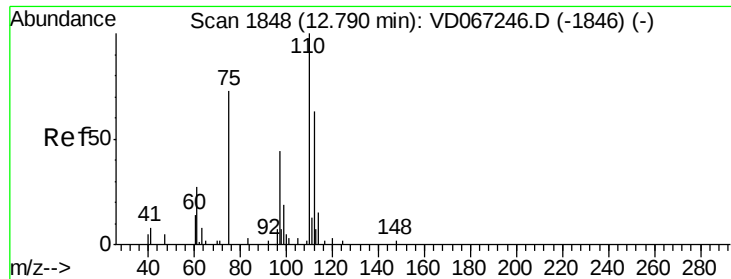
Abundance

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: 64.137 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067470.D

Acq: 30 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

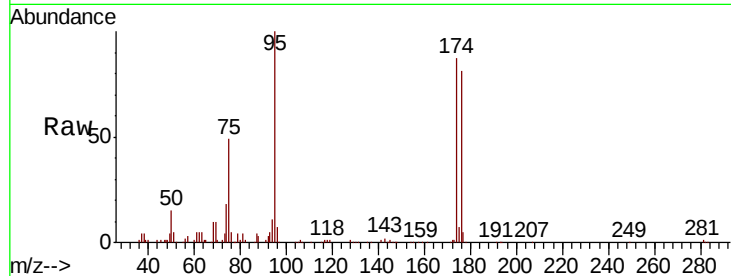
B308-B309-LOC3-SO-0004

Tot Ion: 75 Resp: 108345

Ion Ratio Lower Upper

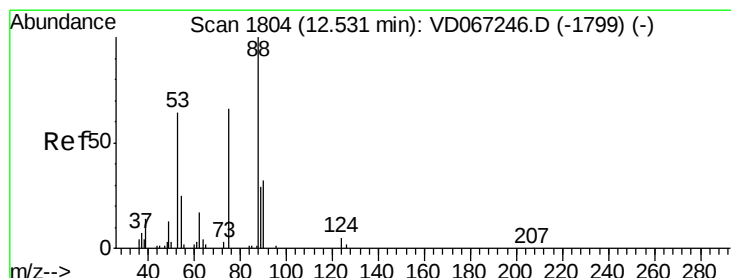
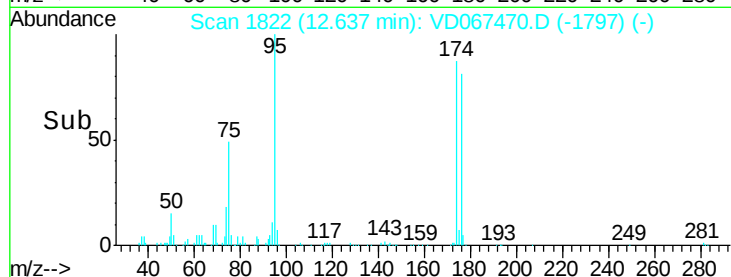
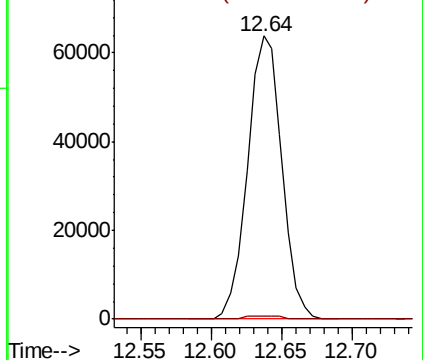
75 100

77 1.1 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: 145.443 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067470.D

Acq: 30 Oct 2020 13:55

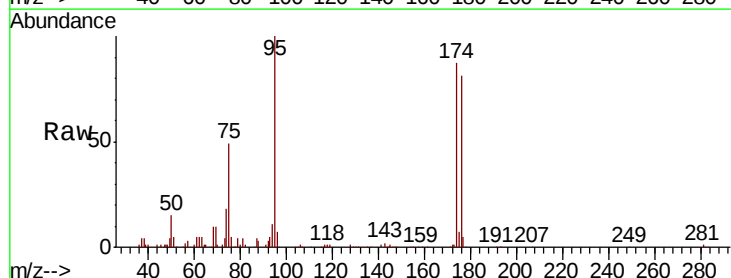
Tgt Ion: 75 Resp: 108345

Ion Ratio Lower Upper

75 100

53 0.0 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

