

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067496.D
 Acq On : 02 Nov 2020 17:20
 Operator : VA/SY
 Sample : L4531-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1916-GC-GRAB-A

Quant Time: Nov 03 00:30:16 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	286178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	475863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242451	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	146256	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.92	113	151776	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
50) Toluene-d8	10.34	98	567277	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.64	95	206106	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

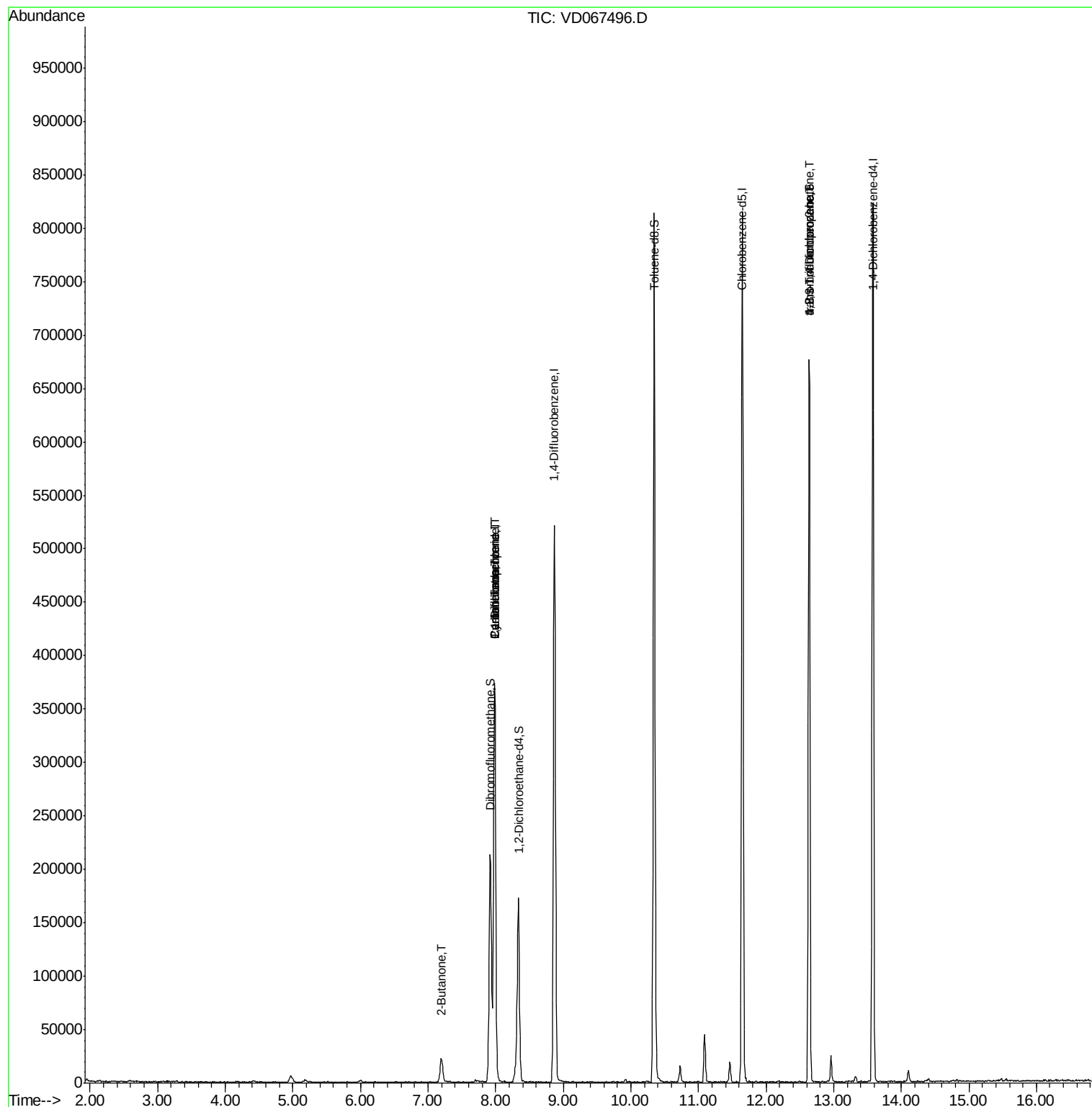
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	198	Below Cal	#	44
5) Bromomethane	2.79	94	137	Below Cal		81
11) Tert butyl alcohol	5.21	59	358	Below Cal	#	81
20) Methylene Chloride	4.96	84	4937	Below Cal	#	69
25) 2-Butanone	7.21	43	1126	2.460	ug/l #	45
31) Cyclohexane	7.98	56	5553	1.682	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	20266	5.025	ug/l #	42
38) Carbon Tetrachloride	7.99	117	28779	5.583	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	106808	63.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106808	144.136	ug/l #	10

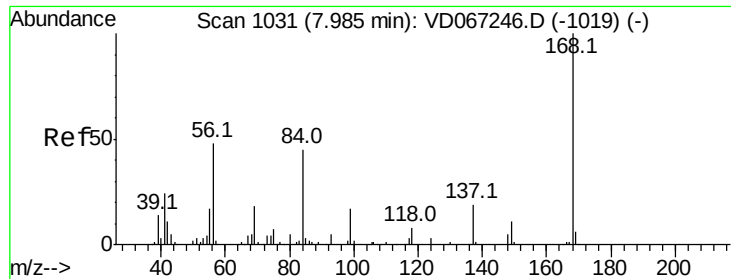
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067496.D

Acq: 02 Nov 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

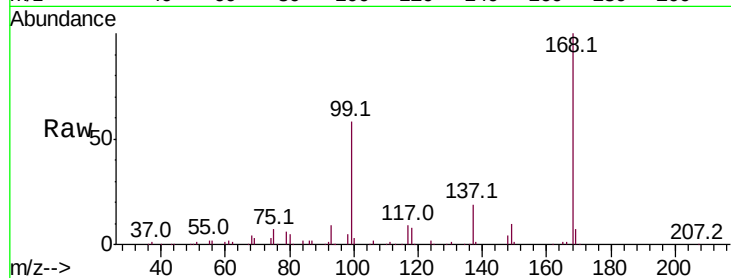
TP-1916-GC-GRAB-A

Tot Ion:168 Resp: 286178

Ion Ratio Lower Upper

168 100

99 57.8 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

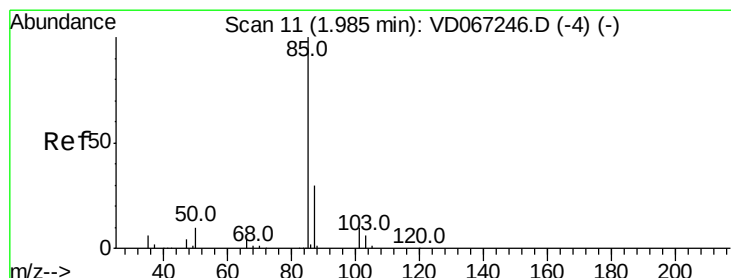
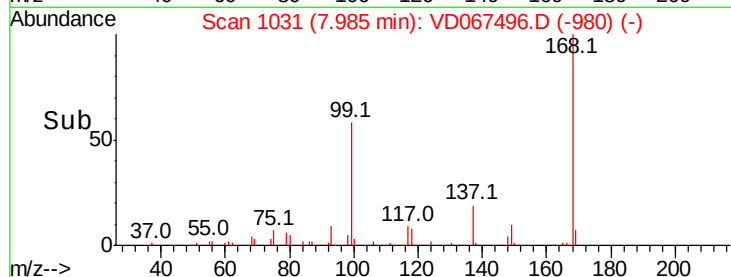
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067496.D

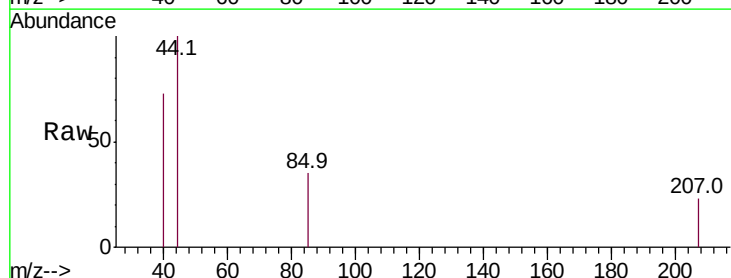
Acq: 02 Nov 2020 17:20

Tgt Ion: 85 Resp: 198

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

1.99

400

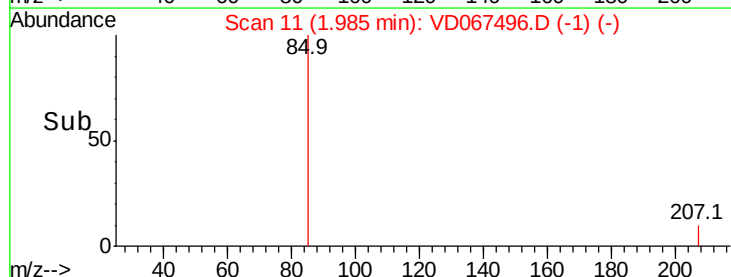
300

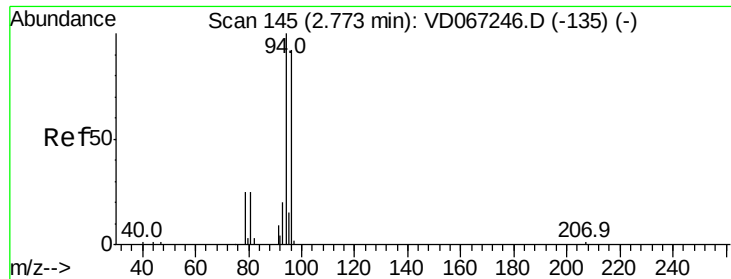
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067496.D

Acq: 02 Nov 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

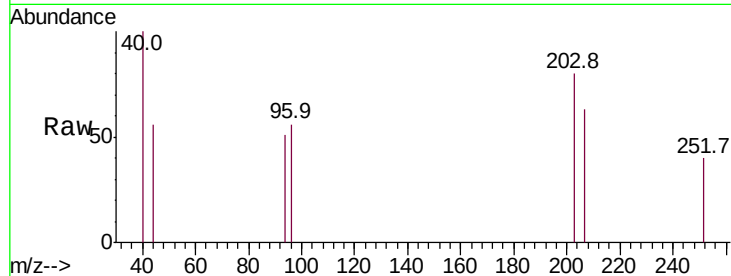
TP-1916-GC-GRAB-A

Tot Ion: 94 Resp: 137

Ion Ratio Lower Upper

94 100

96 110.2 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

250

200

150

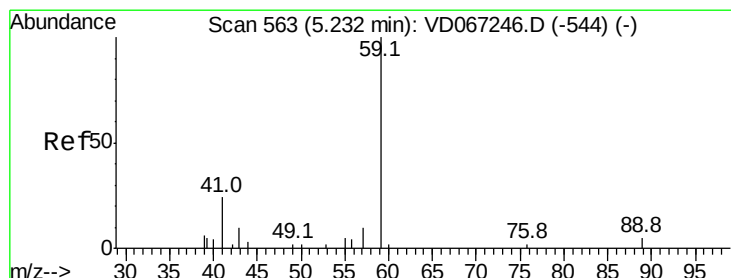
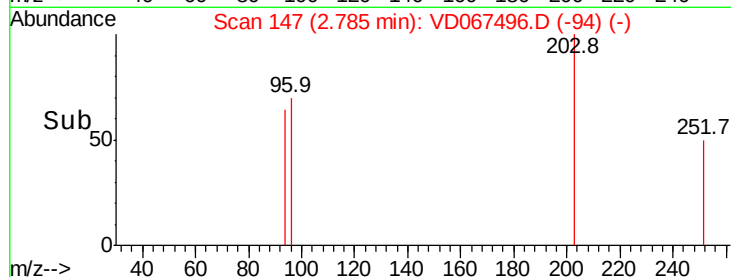
100

50

0

2.76 2.78 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067496.D

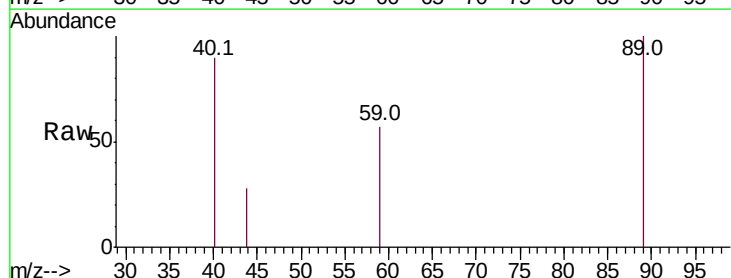
Acq: 02 Nov 2020 17:20

Tgt Ion: 59 Resp: 358

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

1000

800

600

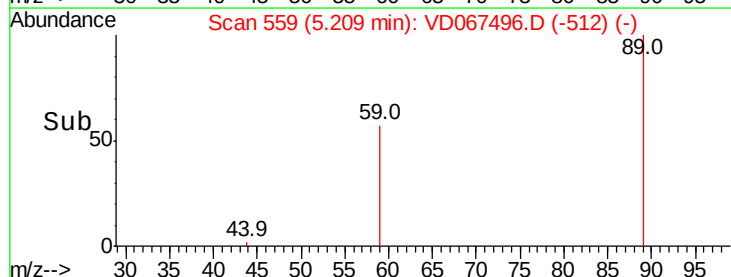
400

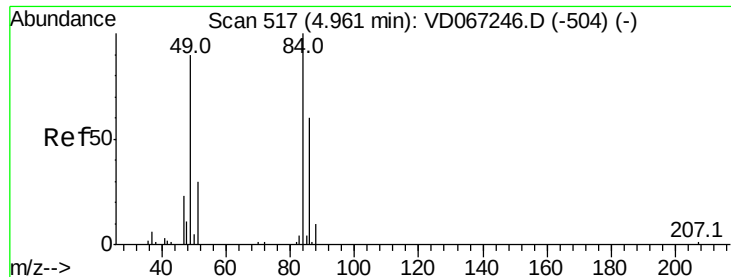
200

0

5.20 5.22 5.24

Time-->

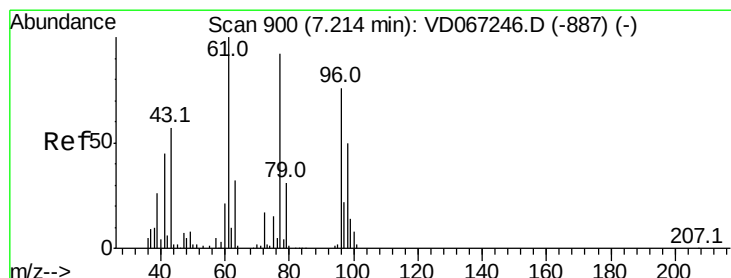
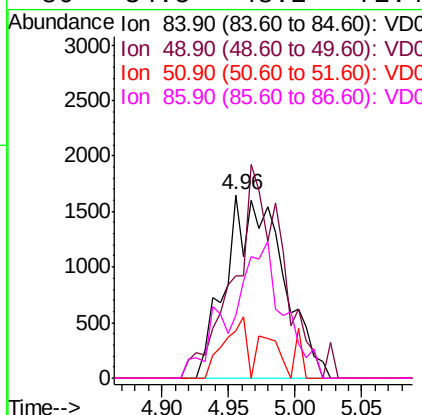
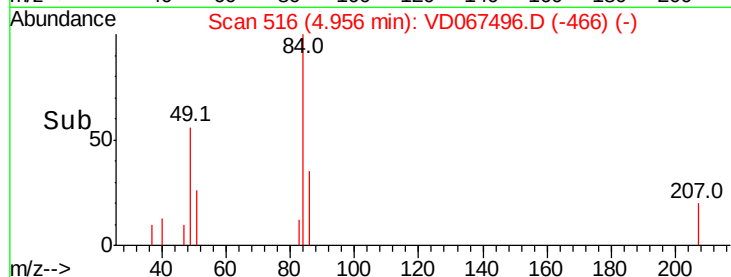
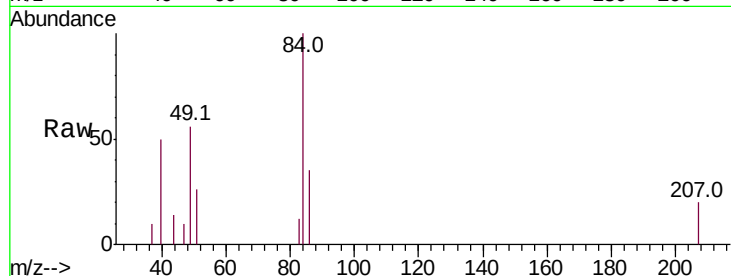




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

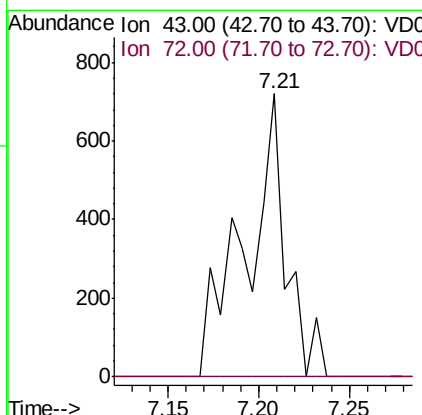
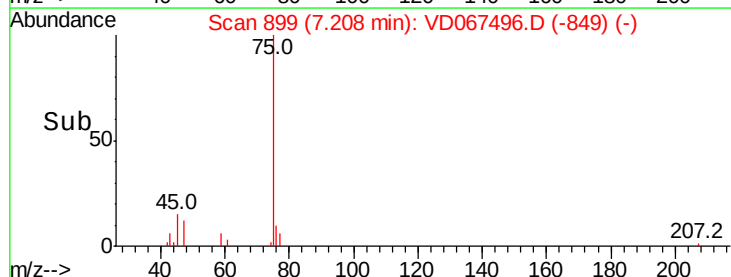
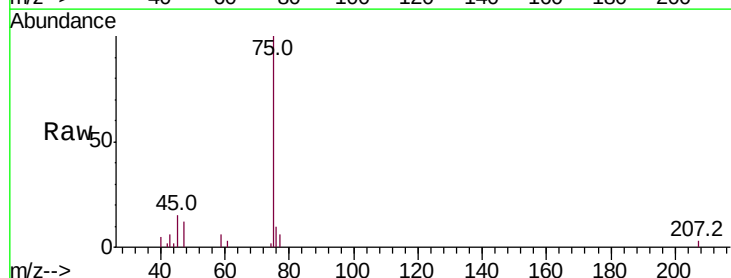
Instrument :
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TP-1916-GC-GRAB-A

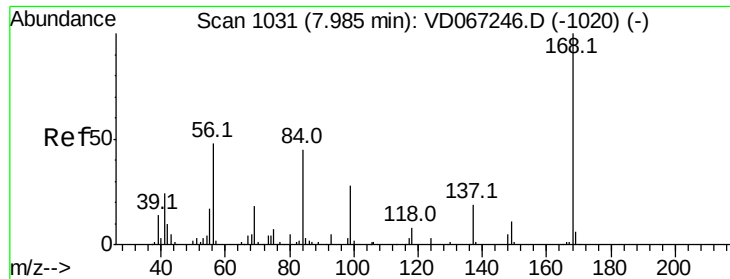
Tot Ion: 84 Resp: 4937
Ion Ratio Lower Upper
84 100
49 56.0 72.2 108.2#
51 25.8 23.8 35.8
86 34.5 48.2 72.4#



#25
2-Butanone
Concen: 2.460 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

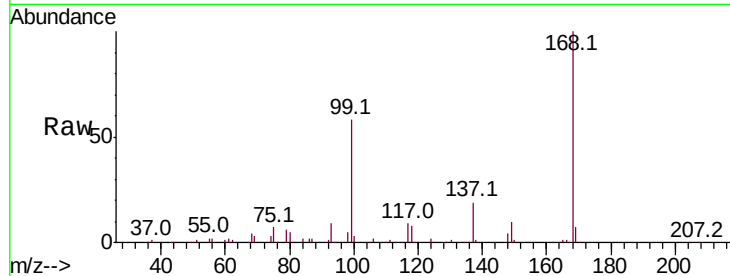




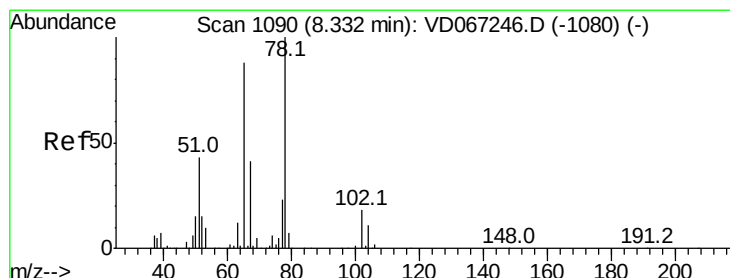
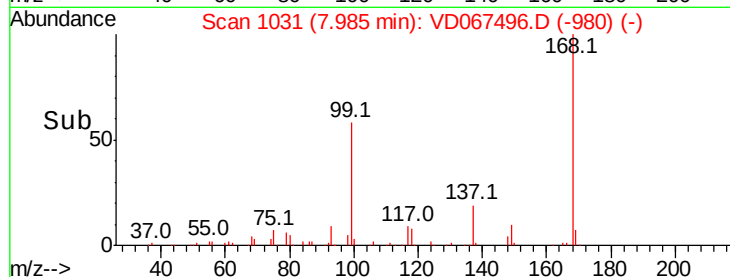
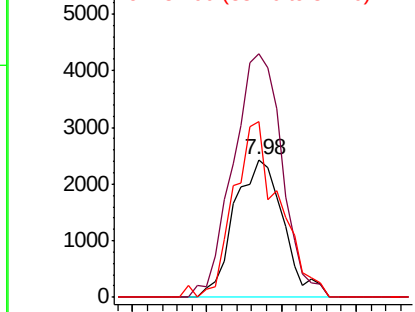
#31
Cyclohexane
Concen: 1.682 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
TP-1916-GC-GRAB-A

Tot Ion: 56 Resp: 5553
Ion Ratio Lower Upper
56 100
69 176.9 29.8 44.6#
84 128.0 76.6 114.8#

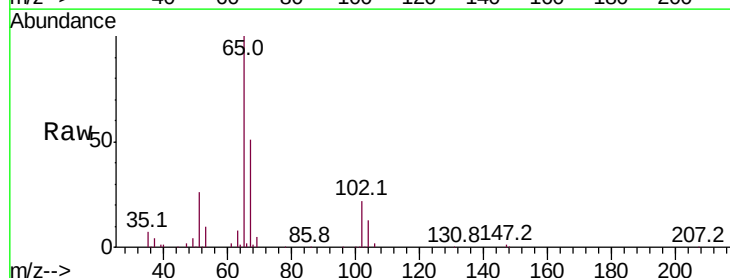


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

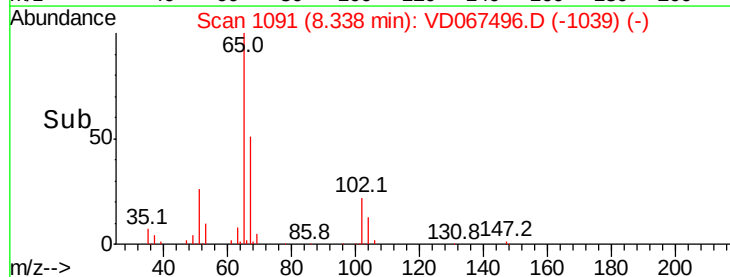
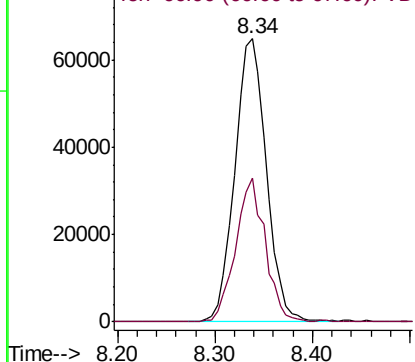


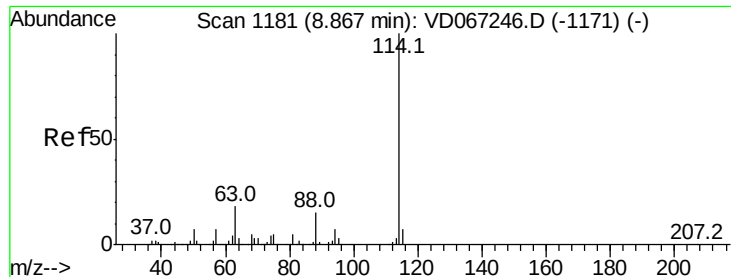
#33
1,2-Dichloroethane-d4
Concen: 51.012 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

Tgt Ion: 65 Resp: 146256
Ion Ratio Lower Upper
65 100
67 47.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067496.D

Acq: 02 Nov 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

TP-1916-GC-GRAB-A

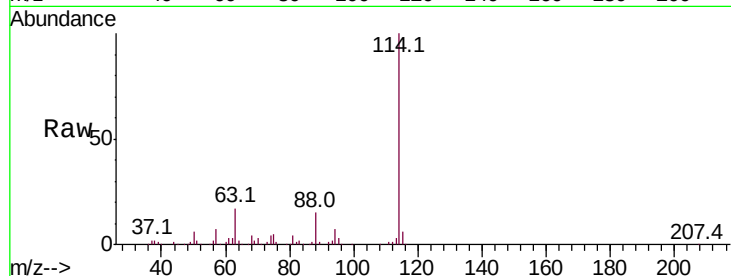
Tot Ion:114 Resp: 475863

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

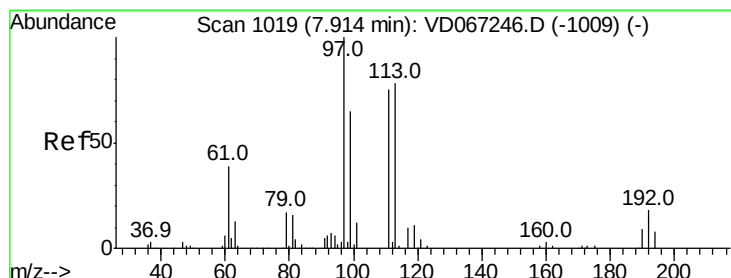
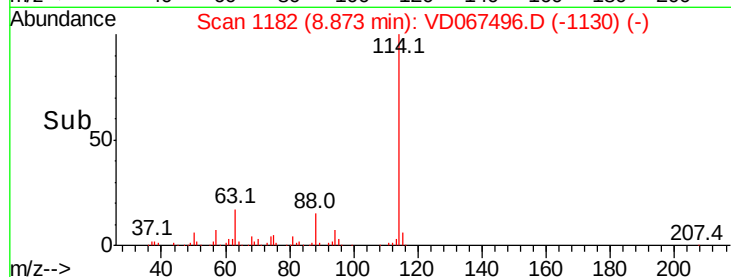
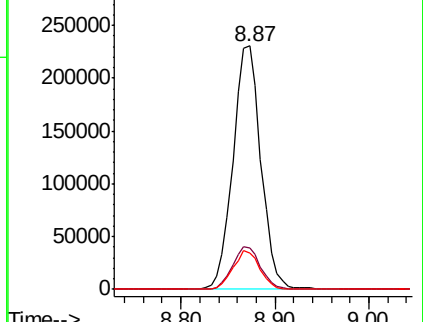
88 14.9 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 47.926 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067496.D

Acq: 02 Nov 2020 17:20

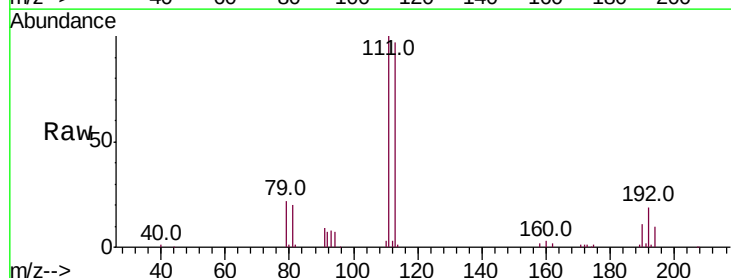
Tgt Ion:113 Resp: 151776

Ion Ratio Lower Upper

113 100

111 103.5 81.6 122.4

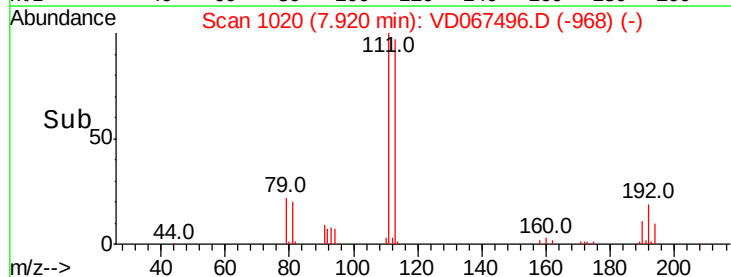
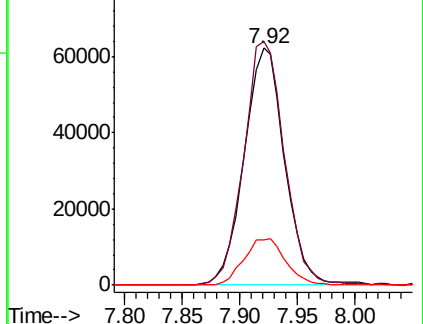
192 20.2 17.0 25.4

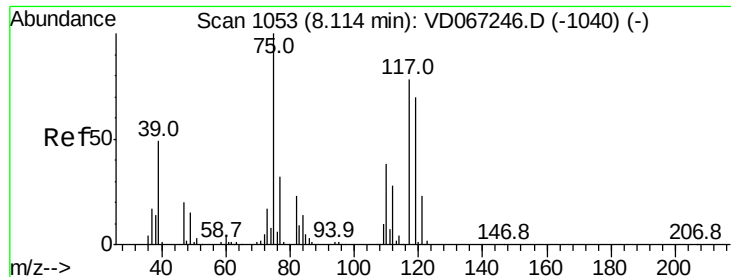


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

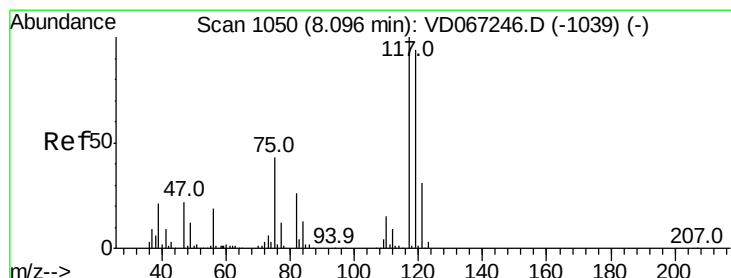
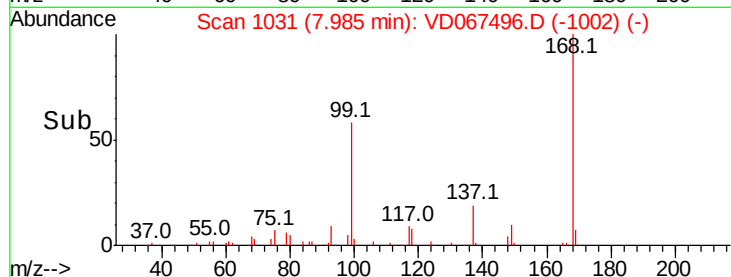
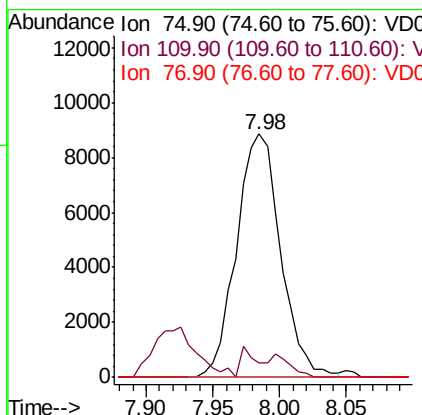
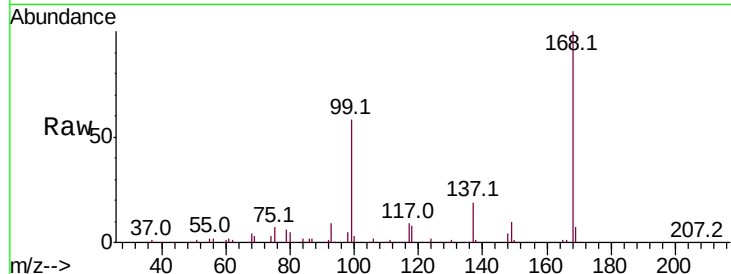




#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067496.D
 Acq: 02 Nov 2020 17:20

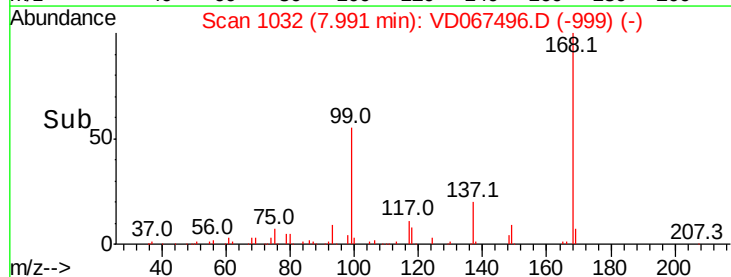
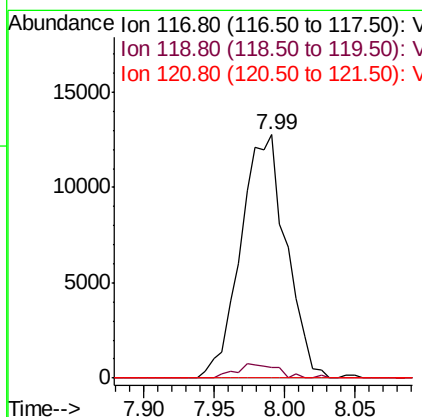
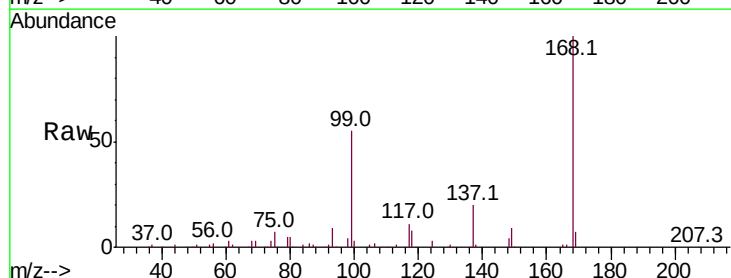
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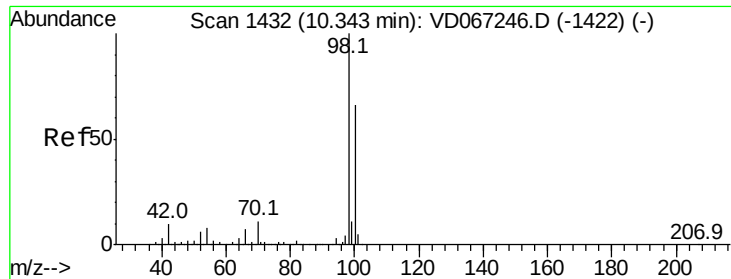
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.0	19.6	58.7#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.583 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD067496.D
 Acq: 02 Nov 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.0	112.4#
121	0.0	24.9	37.3#

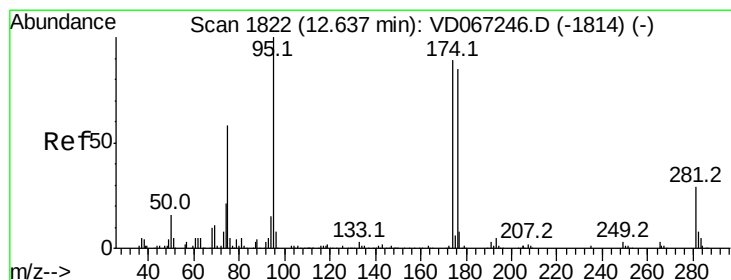
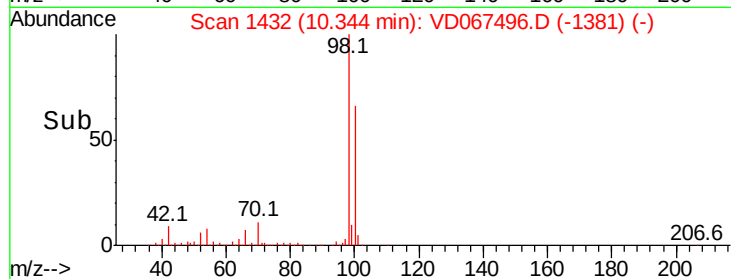
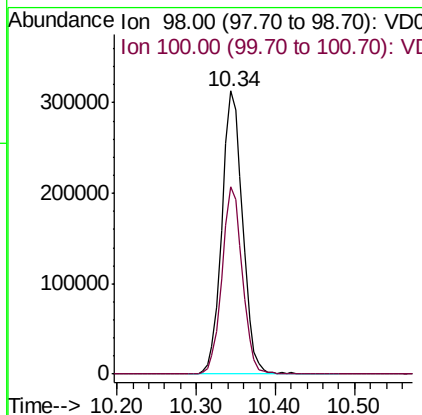
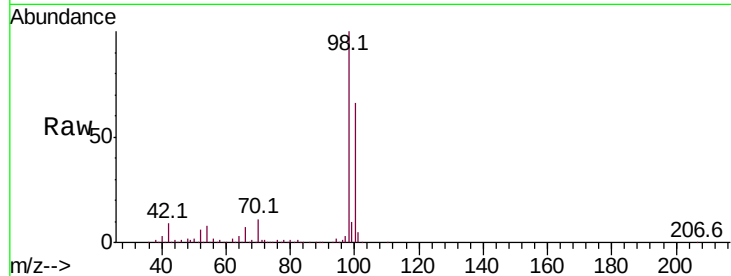




#50
Toluene-d8
Concen: 49.498 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

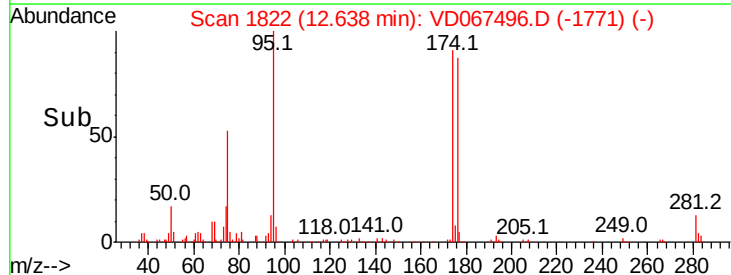
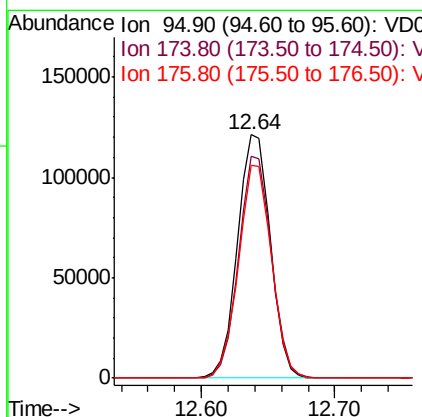
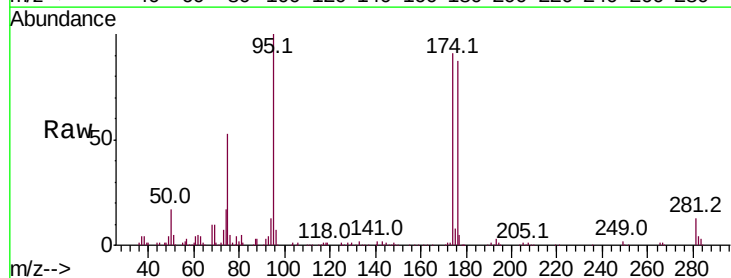
Instrument :
MSVOA_D
ClientSampleId :
TP-1916-GC-GRAB-A

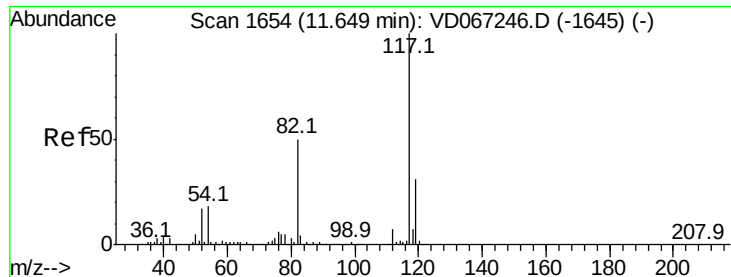
Tot Ion: 98 Resp: 567277
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 51.719 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

Tgt Ion: 95 Resp: 206106
Ion Ratio Lower Upper
95 100
174 90.8 0.0 175.2
176 87.7 0.0 168.6

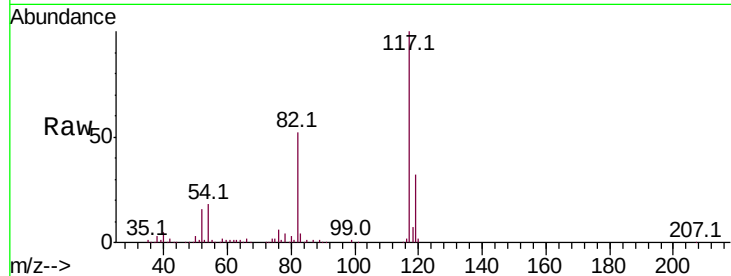




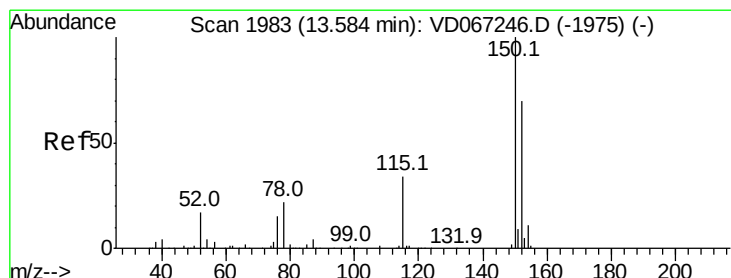
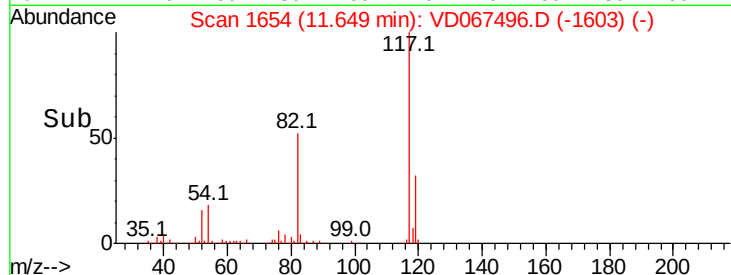
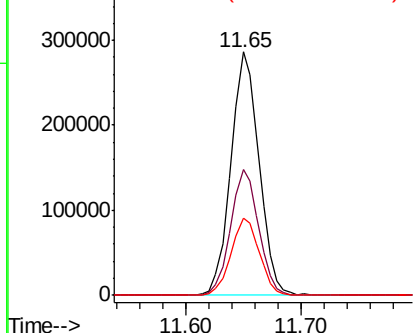
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
TP-1916-GC-GRAB-A

Tot Ion:117 Resp: 483912
Ion Ratio Lower Upper
117 100
82 52.0 39.9 59.9
119 31.8 24.9 37.3

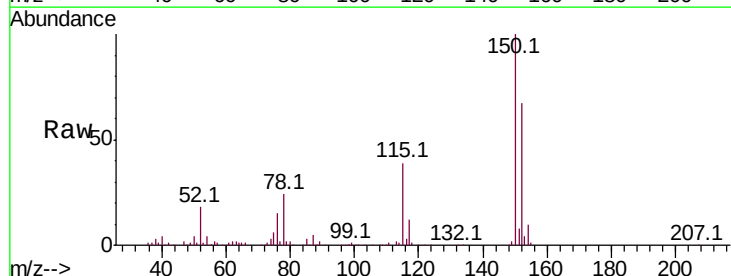


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

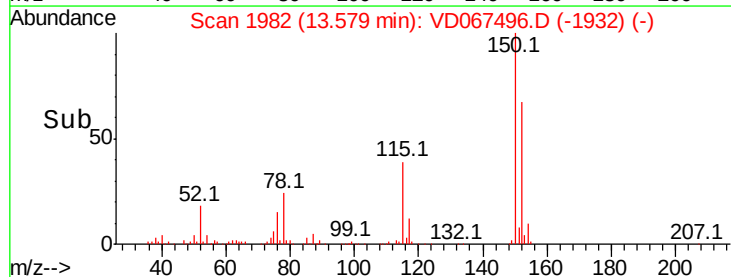
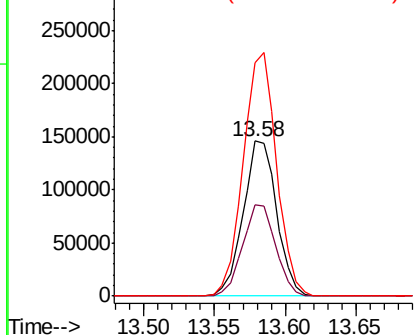


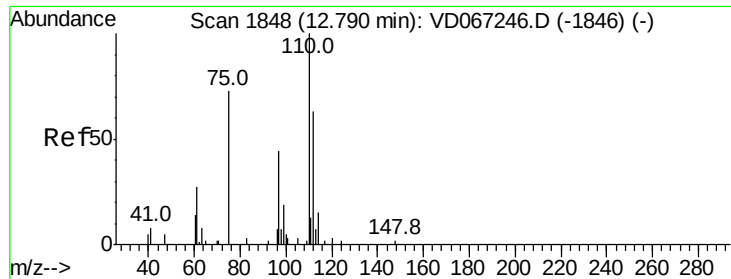
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067496.D
Acq: 02 Nov 2020 17:20

Tgt Ion:152 Resp: 242451
Ion Ratio Lower Upper
152 100
115 58.3 29.3 87.9
150 156.3 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: 63.560 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067496.D

Acq: 02 Nov 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

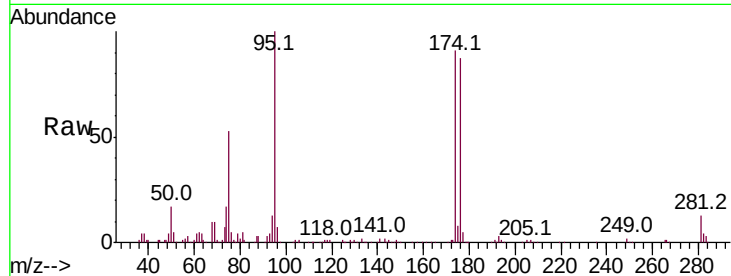
TP-1916-GC-GRAB-A

Tot Ion: 75 Resp: 106808

Ion Ratio Lower Upper

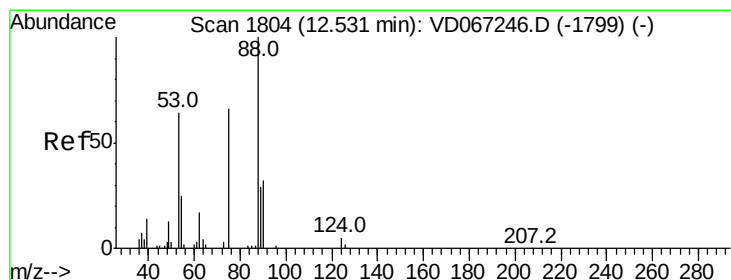
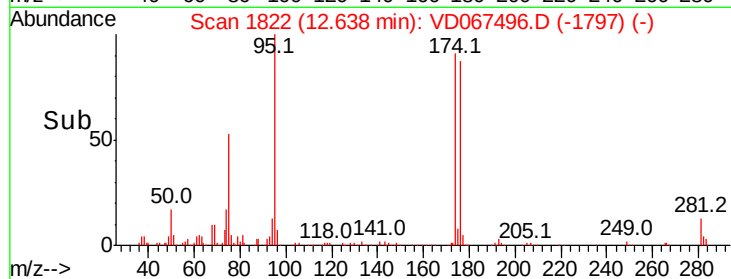
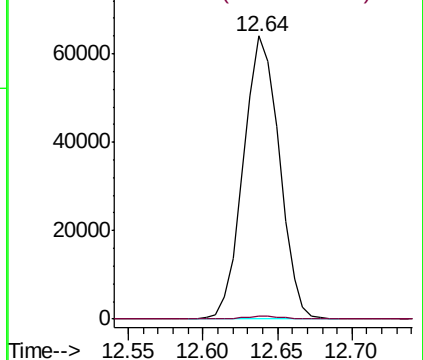
75 100

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: 144.136 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067496.D

Acq: 02 Nov 2020 17:20

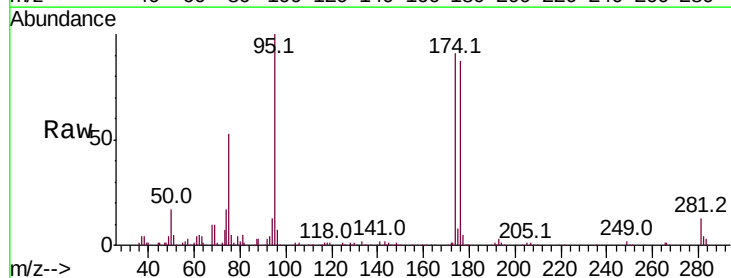
Tgt Ion: 75 Resp: 106808

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 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

