

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067638.D
 Acq On : 16 Nov 2020 14:02
 Operator : VA/SY
 Sample : L4746-01
 Misc : 6.82G/5.01ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-111320

Quant Time: Nov 17 01:07:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	10775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	17697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	19480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	10921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	8206	87.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	174.20%	
35) Dibromofluoromethane	7.91	113	5756	53.98	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	107.96%	
50) Toluene-d8	10.34	98	20076	53.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.63	95	8258	63.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.68%	

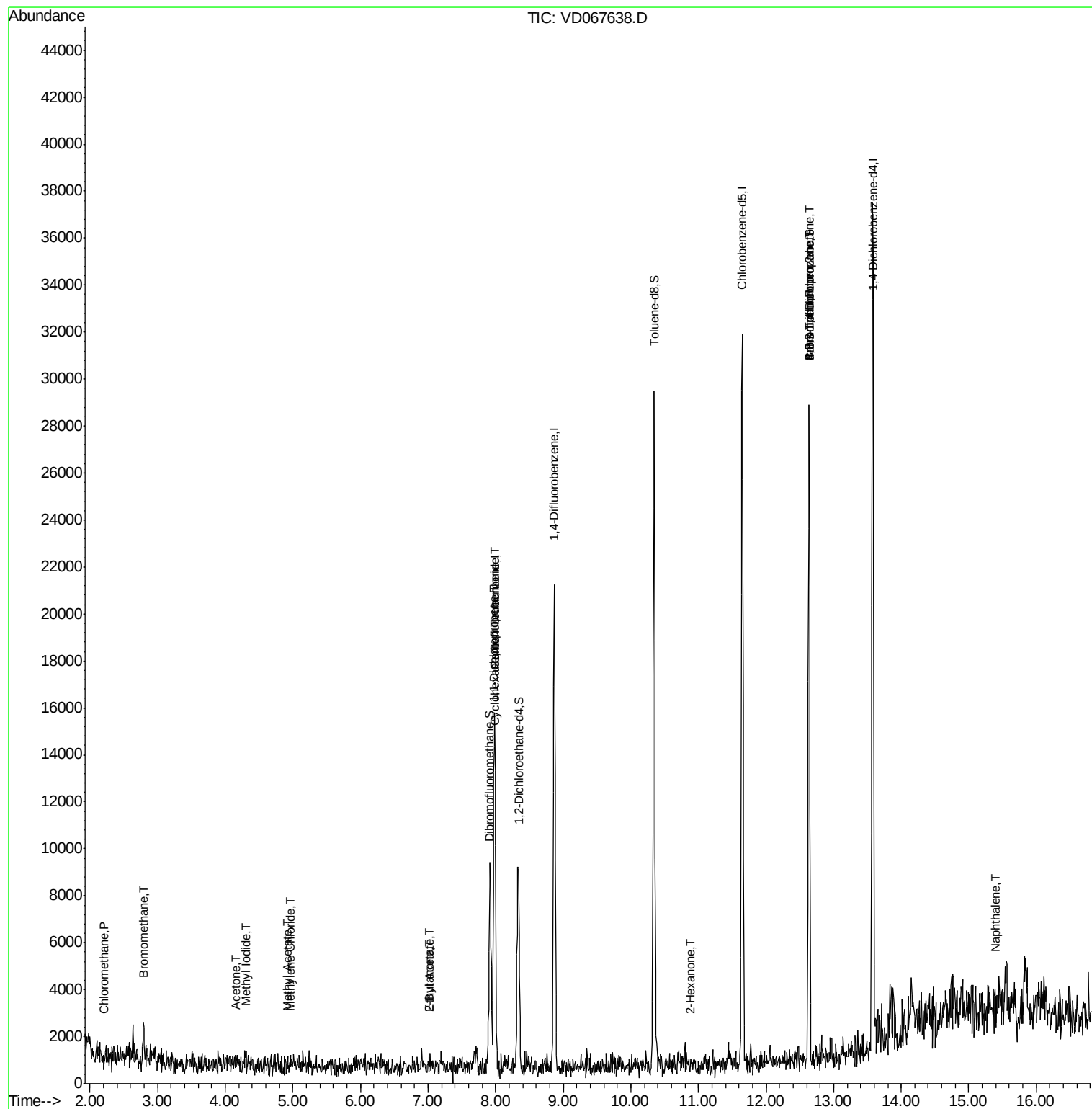
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	222	3.309	ug/l #	41
5) Bromomethane	2.80	94	714	11.776	ug/l	92
10) Methyl Iodide	4.31	142	326	3.111	ug/l #	61
16) Acetone	4.16	43	323	22.910	ug/l #	43
18) Methyl Acetate	4.92	43	75	2.574	ug/l #	41
20) Methylene Chloride	4.96	84	169	1.697	ug/l #	14
25) 2-Butanone	7.02	43	67	4.447	ug/l #	42
31) Cyclohexane	8.00	56	144	1.054	ug/l #	12
36) 1,1-Dichloropropene	7.97	75	917	6.053	ug/l #	39
37) Ethyl Acetate	7.02	43	67	1.704	ug/l #	63
38) Carbon Tetrachloride	7.99	117	1239	6.295	ug/l #	12
59) 2-Hexanone	10.88	43	63	2.422	ug/l #	20
71) Bromoform	12.63	173	76	1.008	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	3863	58.635	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	3863	119.045	ug/l #	10
95) Naphthalene	15.40	128	320	1.067	ug/l #	69

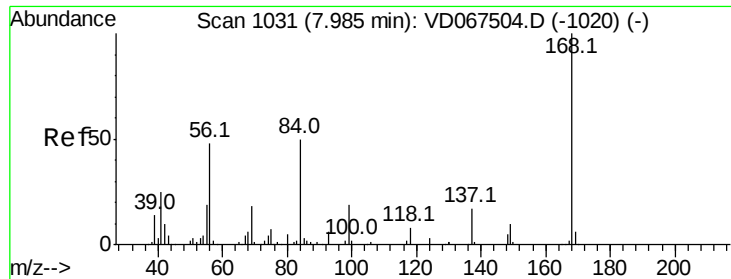
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
Data File : VD067638.D
Acq On : 16 Nov 2020 14:02
Operator : VA/SY
Sample : L4746-01
Misc : 6.82G/5.01ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OK-02-111320

Quant Time: Nov 17 01:07:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

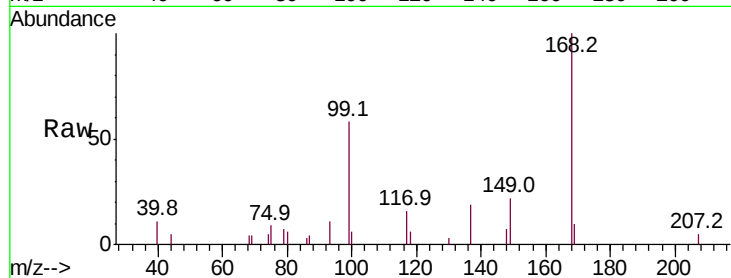
OK-02-111320

Tot Ion:168 Resp: 10775

Ion Ratio Lower Upper

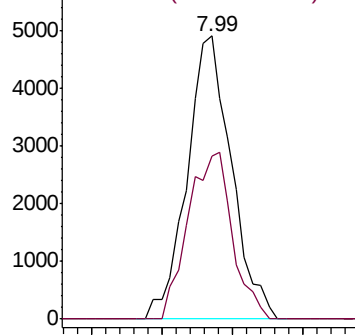
168 100

99 57.5 45.0 67.6

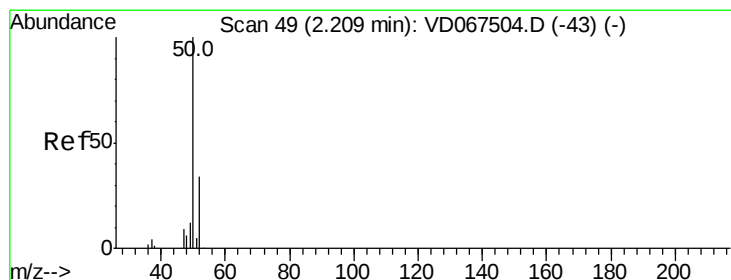
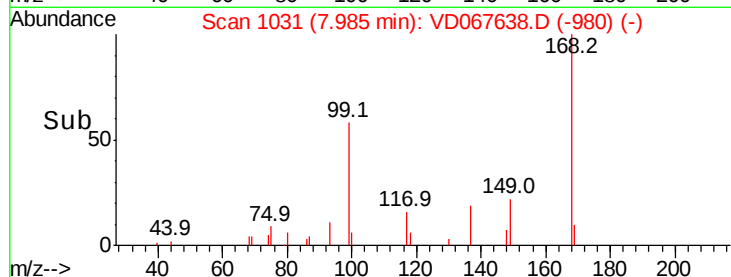


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#3

Chloromethane

Concen: 3.309 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067638.D

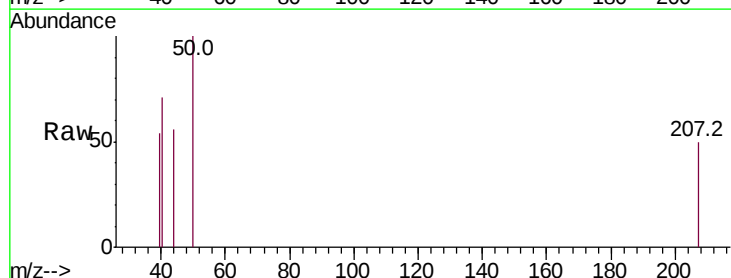
Acq: 16 Nov 2020 14:02

Tgt Ion: 50 Resp: 222

Ion Ratio Lower Upper

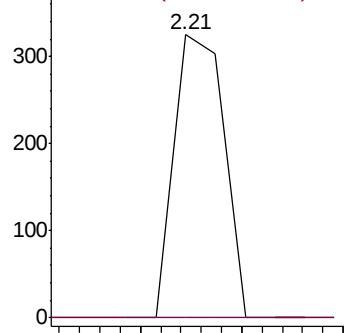
50 100

52 0.0 27.3 40.9#

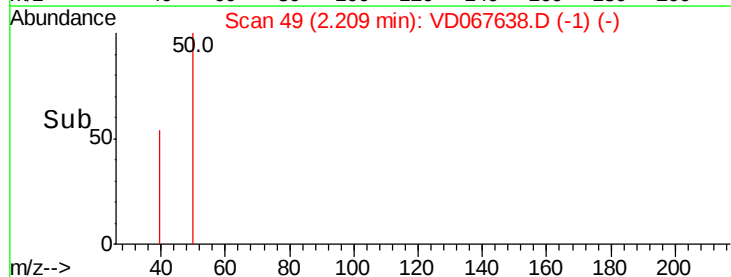


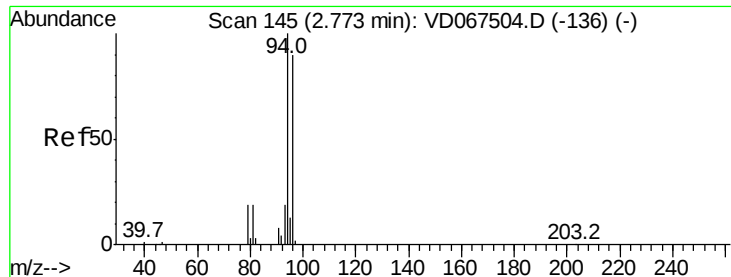
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->





#5

Bromomethane

Concen: 11.776 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

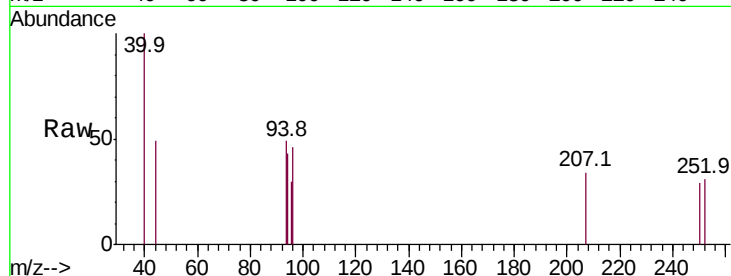
OK-02-111320

Tot Ion: 94 Resp: 714

Ion Ratio Lower Upper

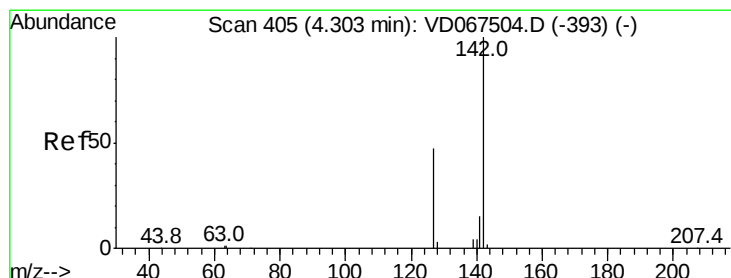
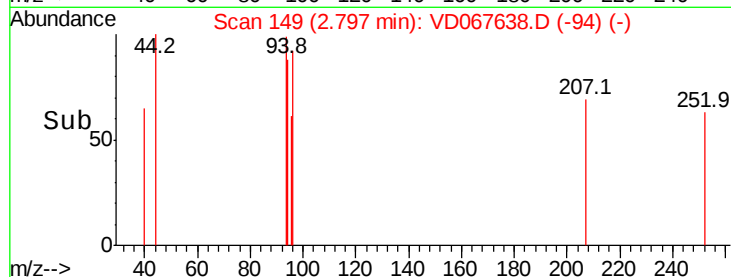
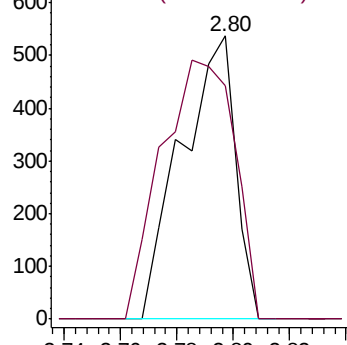
94 100

96 82.3 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 3.111 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

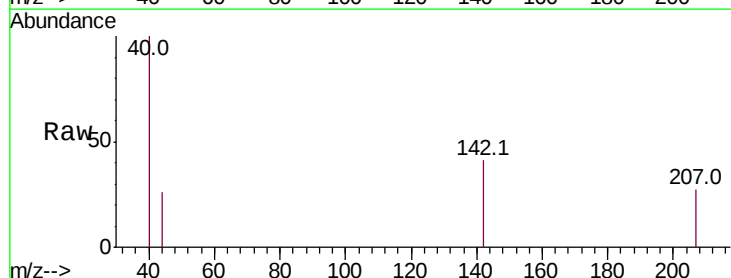
Tgt Ion: 142 Resp: 326

Ion Ratio Lower Upper

142 100

127 22.1 40.0 60.0#

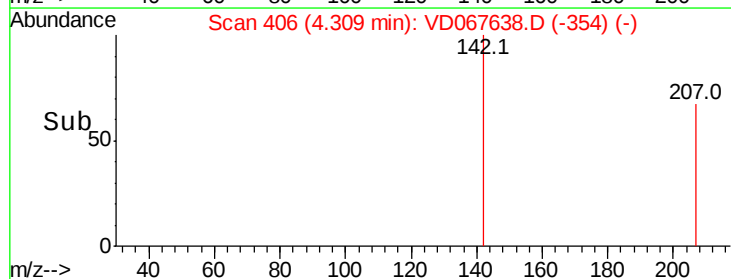
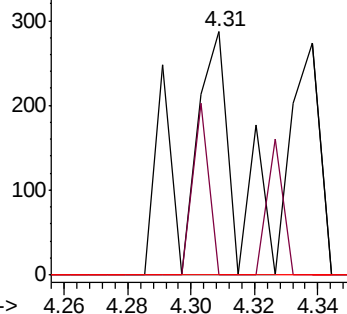
141 0.0 11.7 17.5#

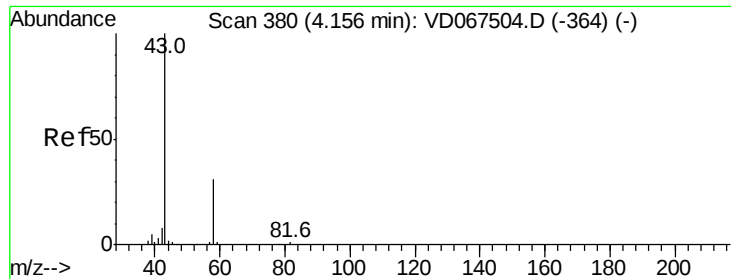


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 22.910 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

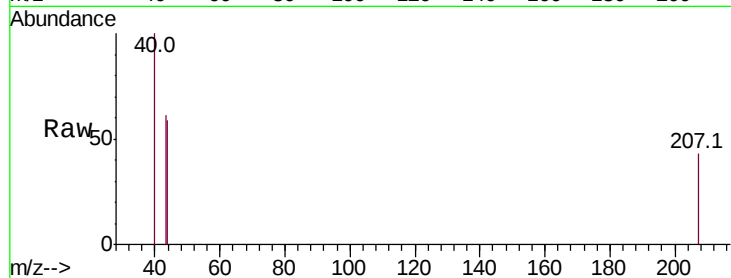
OK-02-111320

Tot Ion: 43 Resp: 323

Ion Ratio Lower Upper

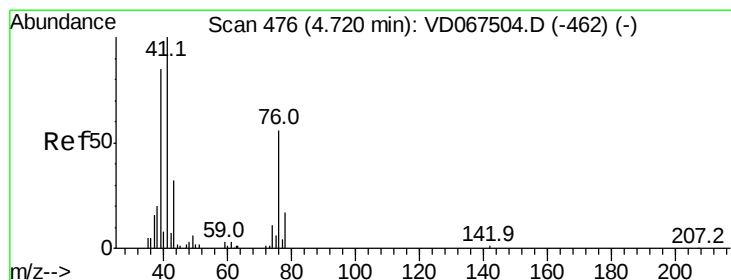
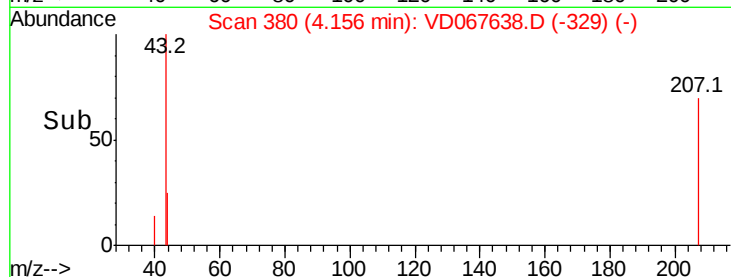
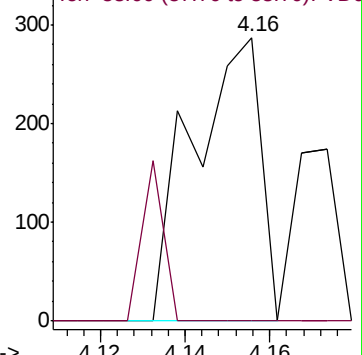
43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 2.574 ug/l

RT: 4.92 min Scan# 510

Delta R.T. 0.20 min

Lab File: VD067638.D

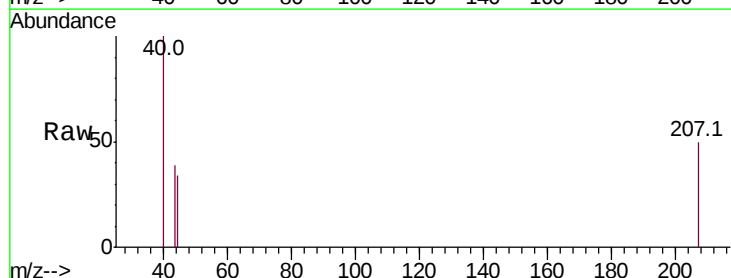
Acq: 16 Nov 2020 14:02

Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

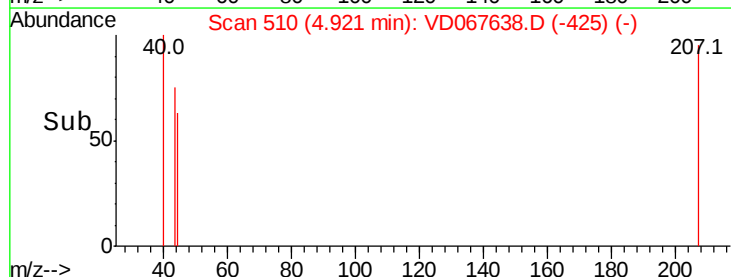
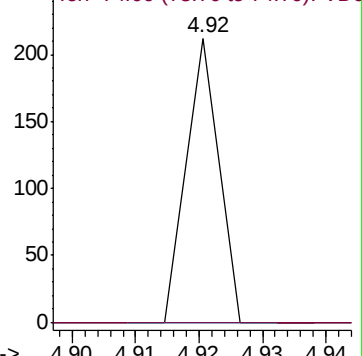
43 100

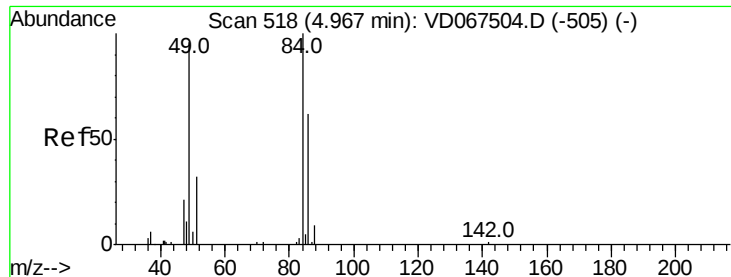
74 0.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

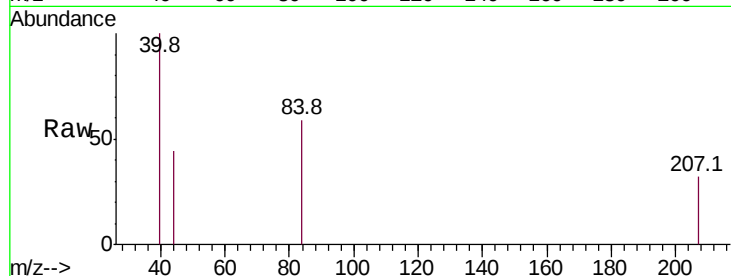




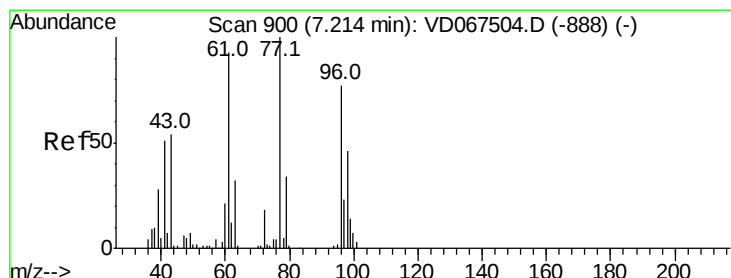
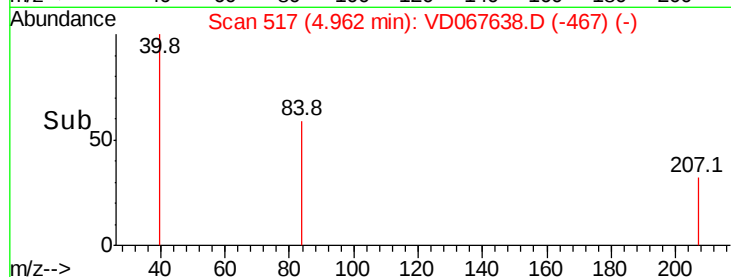
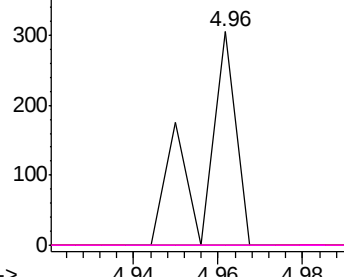
#20
Methvlene Chloride
Concen: 1.697 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Instrument :
MSVOA_D
ClientSampleId :
OK-02-111320

Tot Ion: 84 Resp: 169
Ion Ratio Lower Upper
84 100
49 0.0 77.0 115.4#
51 0.0 25.4 38.2#
86 0.0 49.4 74.0#

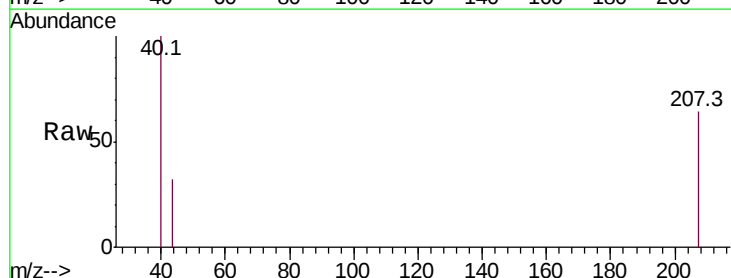


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

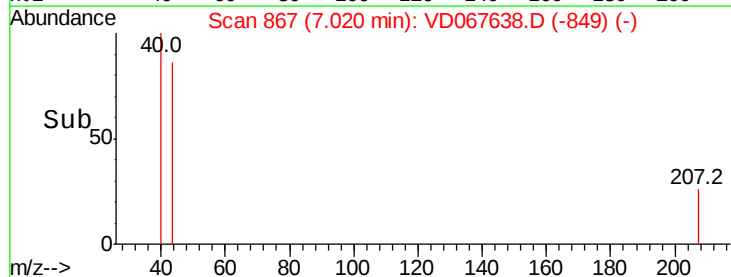
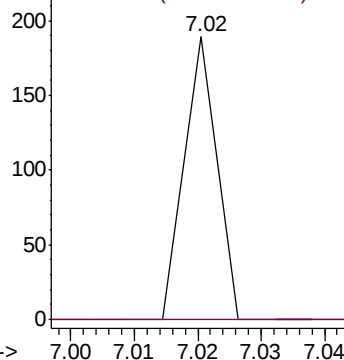


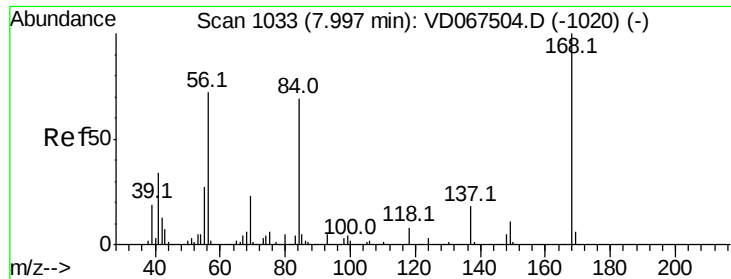
#25
2-Butanone
Concen: 4.447 ug/l
RT: 7.02 min Scan# 867
Delta R.T. -0.19 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

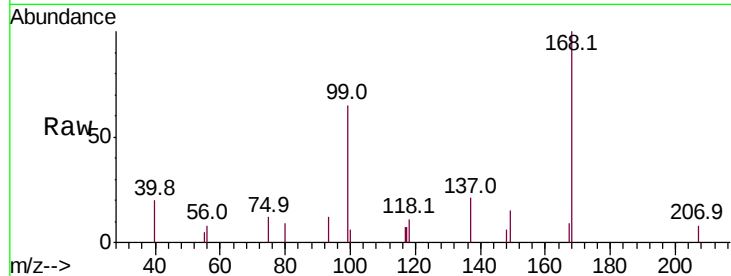




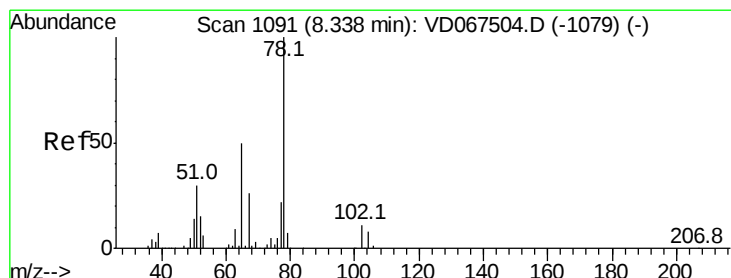
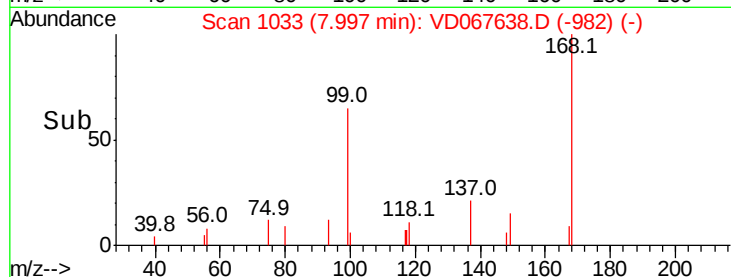
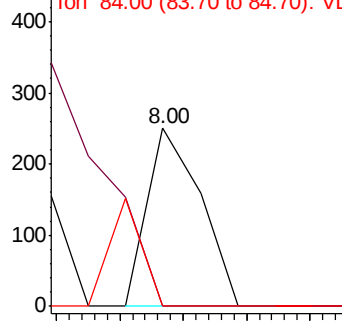
#31
Cyclohexane
Concen: 1.054 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Instrument :
MSVOA_D
ClientSampleId :
OK-02-111320

Tot Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
69 0.0 25.9 38.9#
84 0.0 76.2 114.4#

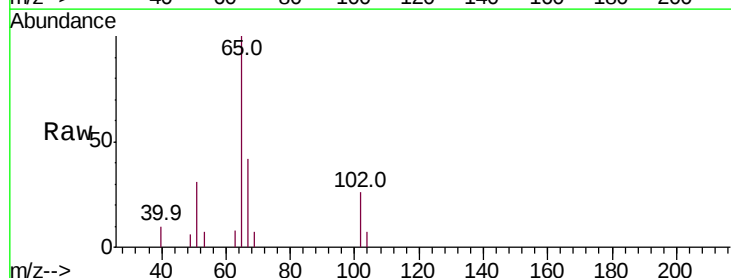


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

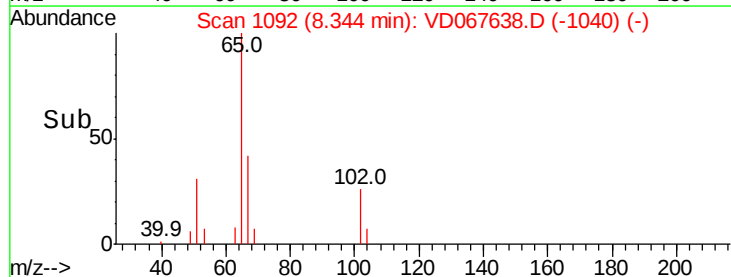
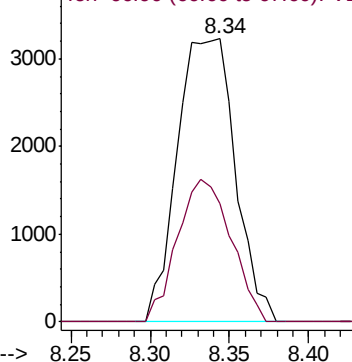


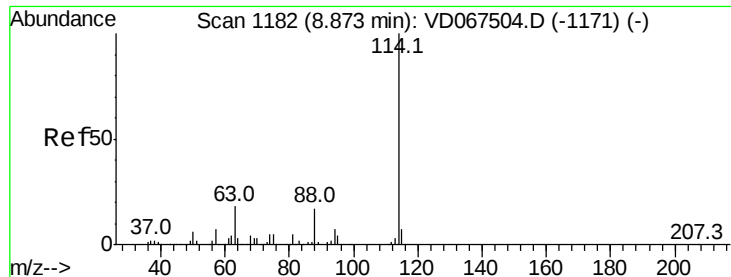
#33
1,2-Dichloroethane-d4
Concen: 87.098 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Tgt Ion: 65 Resp: 8206
Ion Ratio Lower Upper
65 100
67 46.6 0.0 99.4



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# 1181

Delta R.T. -0.01 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

OK-02-111320

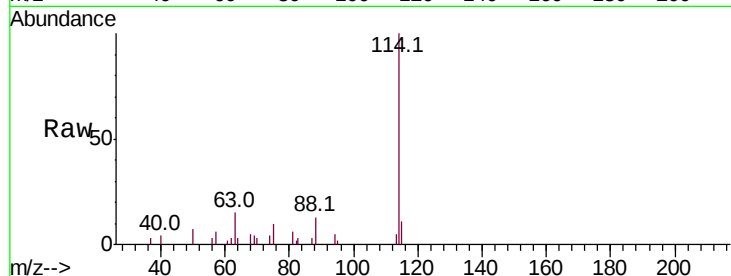
Tot Ion:114 Resp: 17697

Ion Ratio Lower Upper

114 100

63 14.9 0.0 35.0

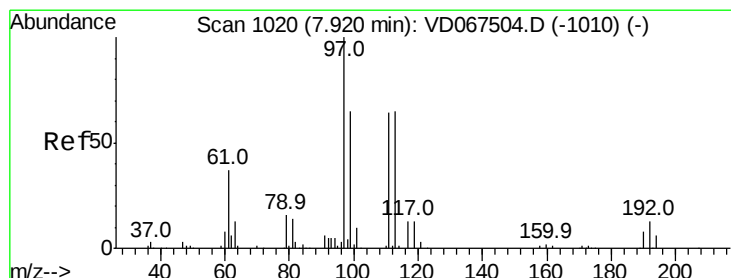
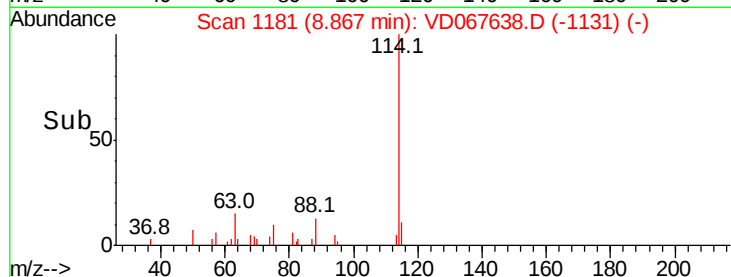
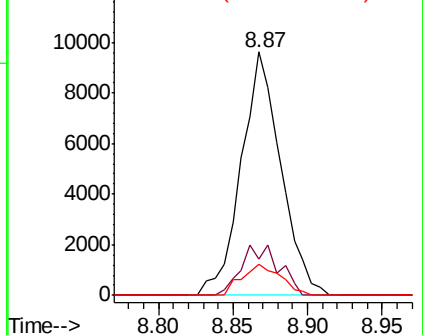
88 12.8 0.0 33.0



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: 53.984 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

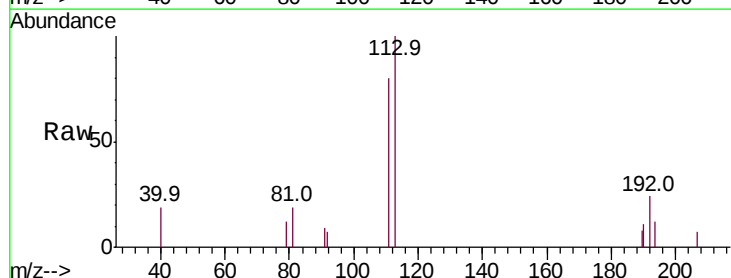
Tgt Ion:113 Resp: 5756

Ion Ratio Lower Upper

113 100

111 101.7 80.0 120.0

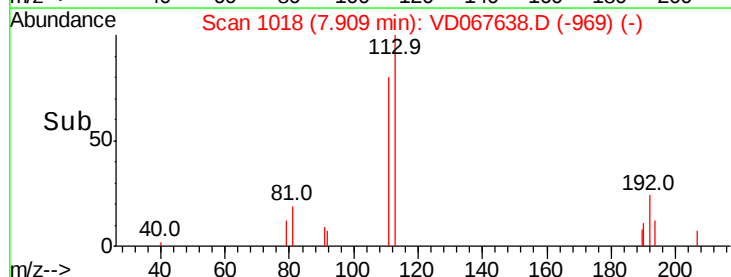
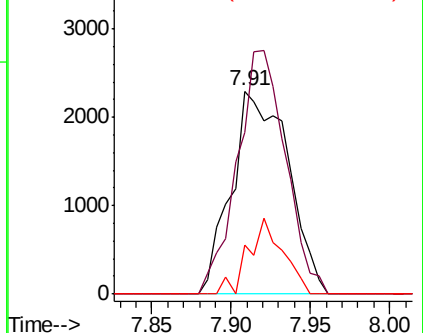
192 22.5 16.3 24.5

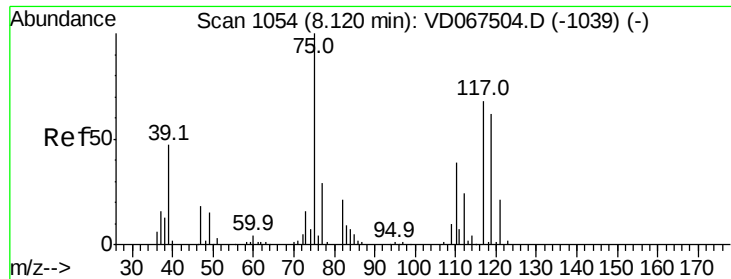


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

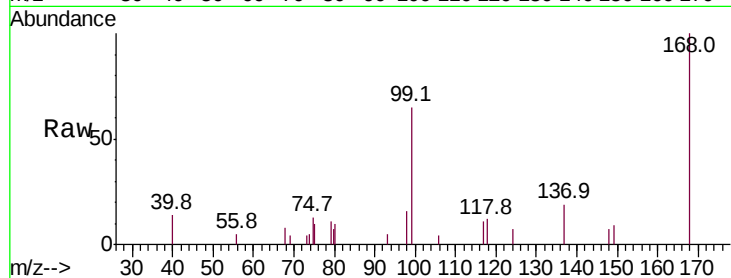




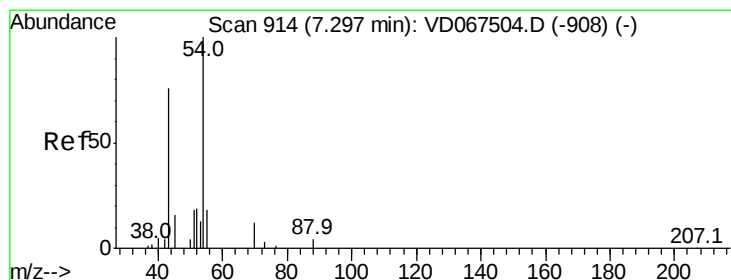
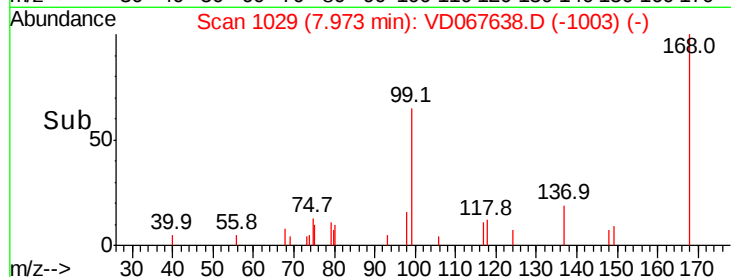
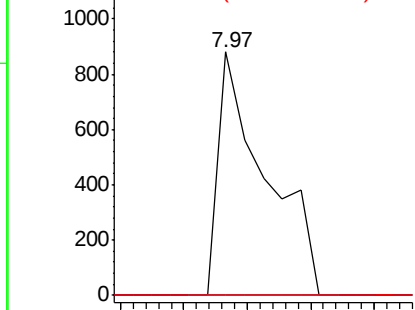
#36
 1,1-Dichloropropene
 Concen: 6.053 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.15 min
 Lab File: VD067638.D
 Acq: 16 Nov 2020 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-111320

Tot Ion: 75 Resp: 917
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.9 59.7#
 77 0.0 24.8 37.2#

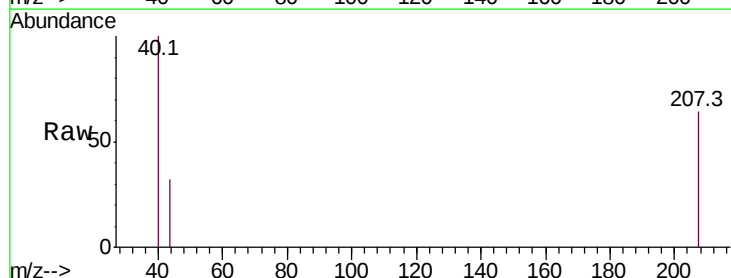


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

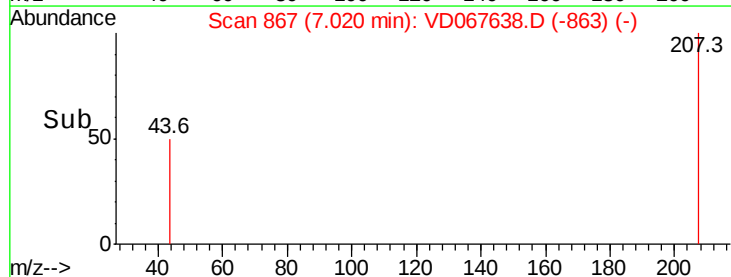
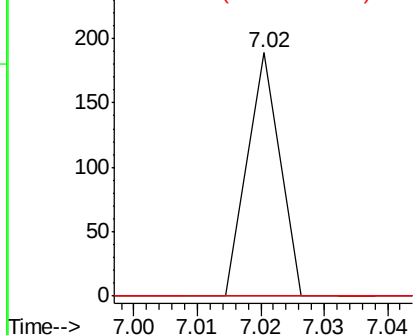


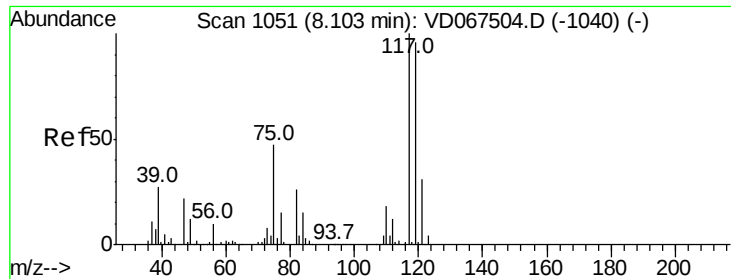
#37
 Ethyl Acetate
 Concen: 1.704 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.28 min
 Lab File: VD067638.D
 Acq: 16 Nov 2020 14:02

Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.8 19.2#
 70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 70.00 (69.70 to 70.70): VDC

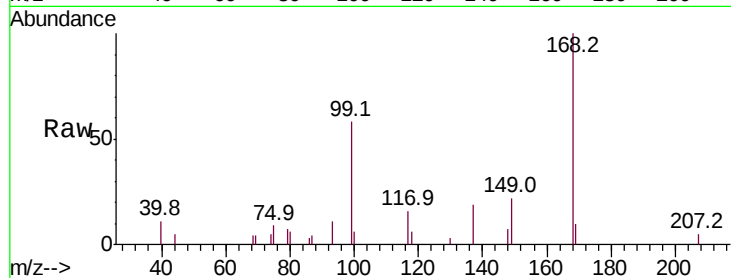




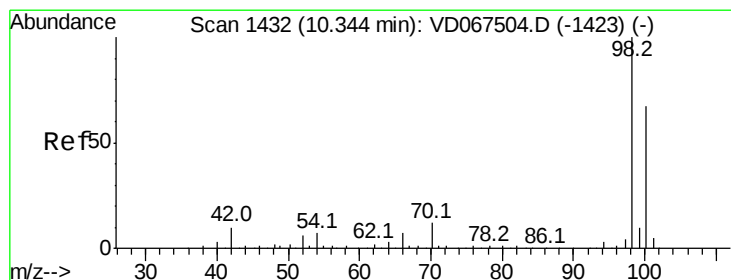
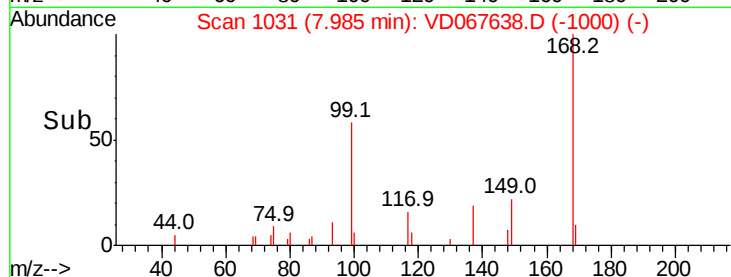
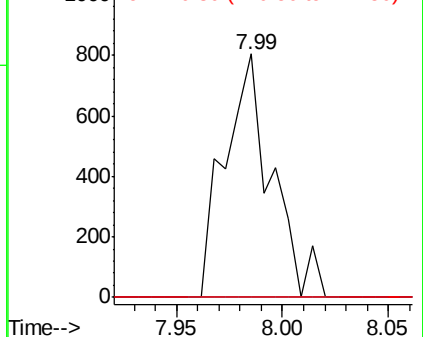
#38
Carbon Tetrachloride
Concen: 6.295 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Instrument :
MSVOA_D
ClientSampleId :
OK-02-111320

Tot Ion:117 Resp: 1239
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
121 0.0 24.5 36.7#

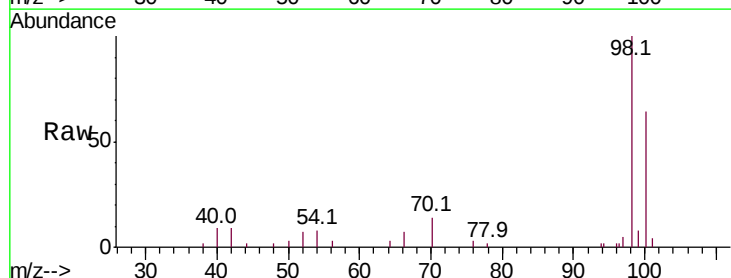


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

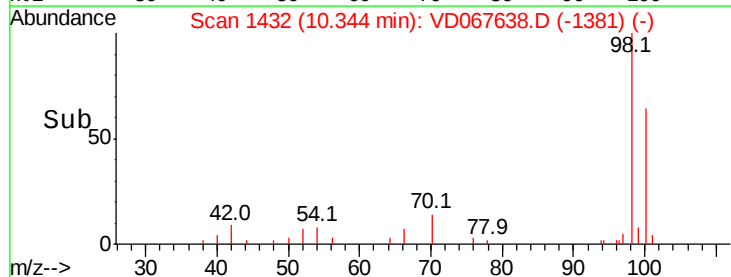
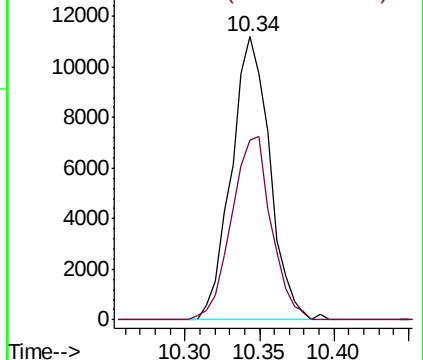


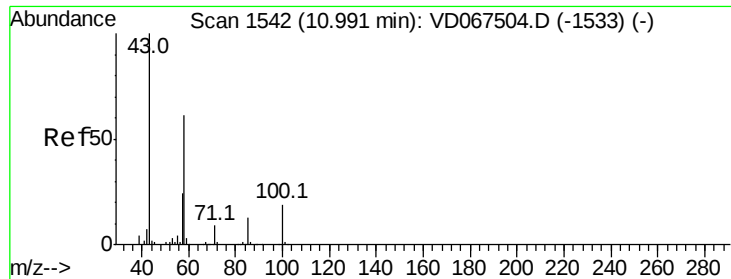
#50
Toluene-d8
Concen: 53.579 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Tgt Ion: 98 Resp: 20076
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

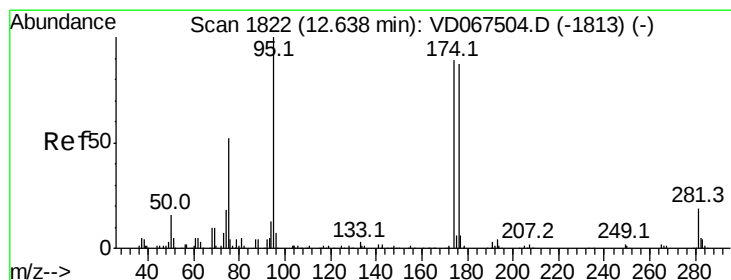
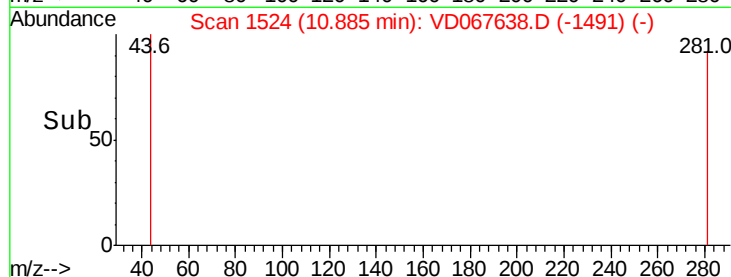
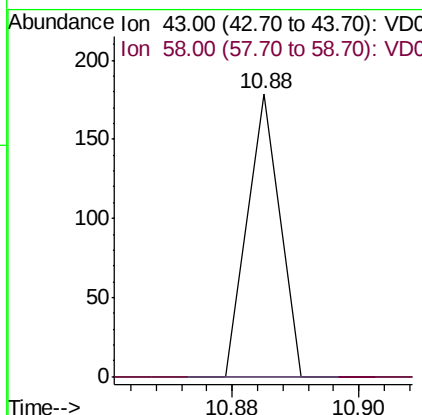
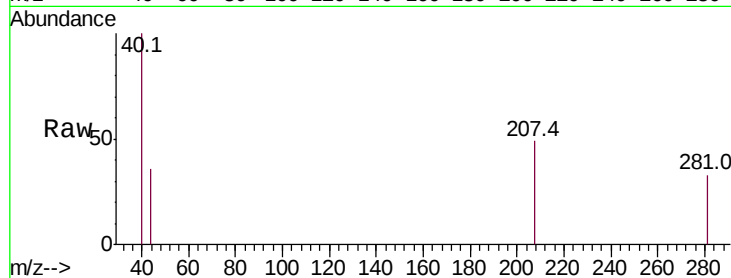




#59
2-Hexanone
Concen: 2.422 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. -0.11 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

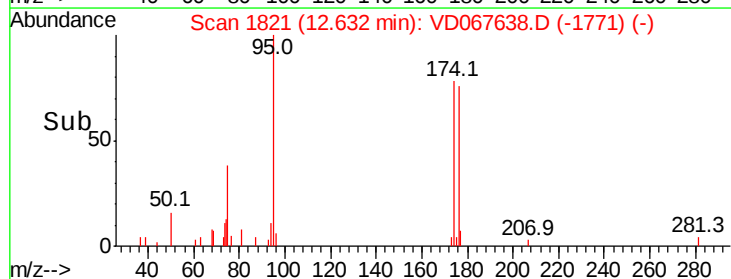
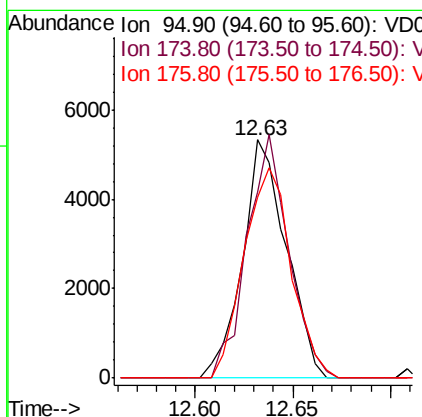
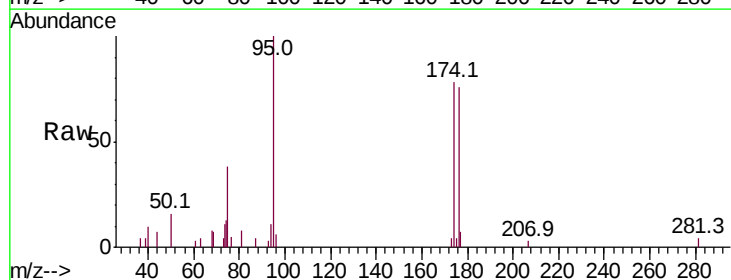
Instrument :
MSVOA_D
ClientSampleId :
OK-02-111320

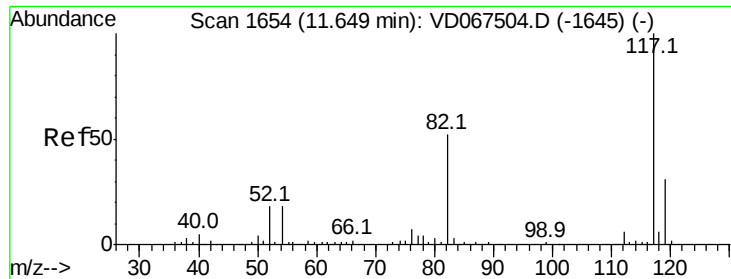
Tot Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 30.3 90.9#



#62
4-Bromofluorobenzene
Concen: 63.835 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Tgt Ion: 95 Resp: 8258
Ion Ratio Lower Upper
95 100
174 97.7 0.0 177.8
176 95.3 0.0 172.0

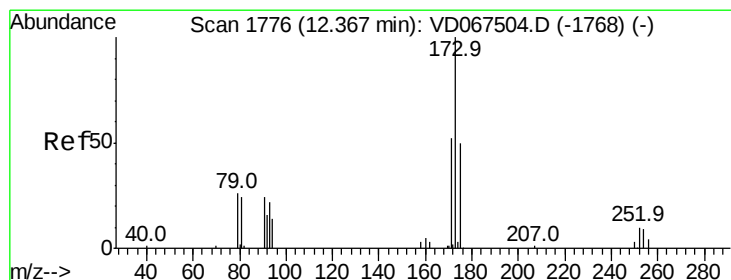
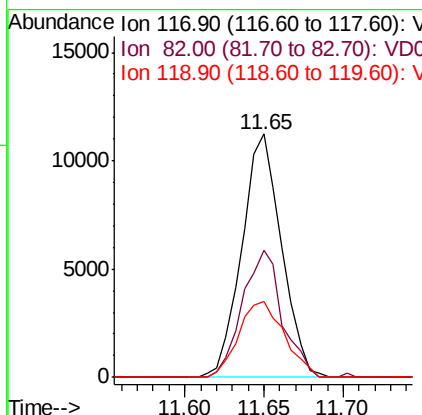
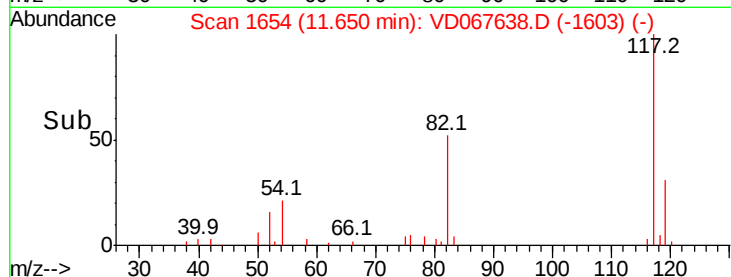
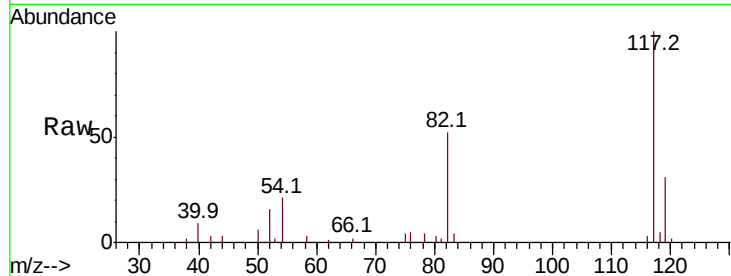




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

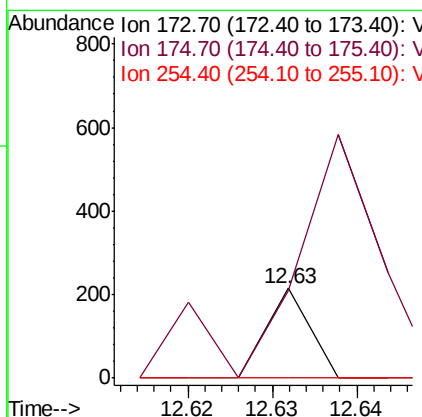
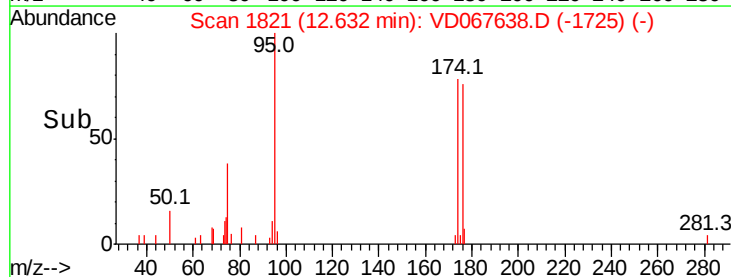
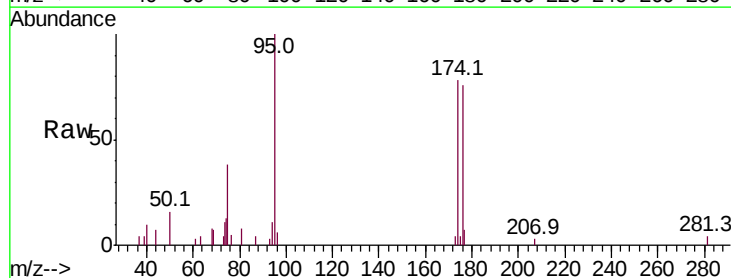
Instrument :
MSVOA_D
ClientSampleId :
OK-02-111320

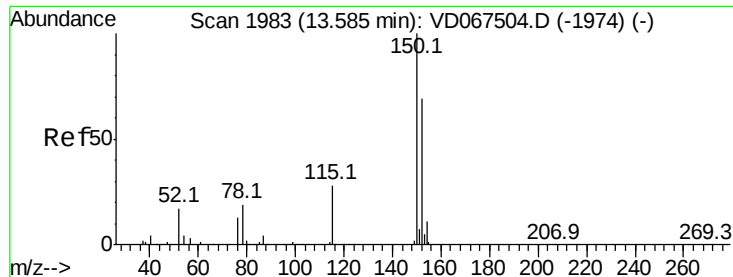
Tot Ion:117 Resp: 19480
Ion Ratio Lower Upper
117 100
82 52.3 41.6 62.4
119 31.4 25.1 37.7



#71
Bromoform
Concen: 1.008 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD067638.D
Acq: 16 Nov 2020 14:02

Tgt Ion:173 Resp: 76
Ion Ratio Lower Upper
173 100
175 569.7 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

OK-02-111320

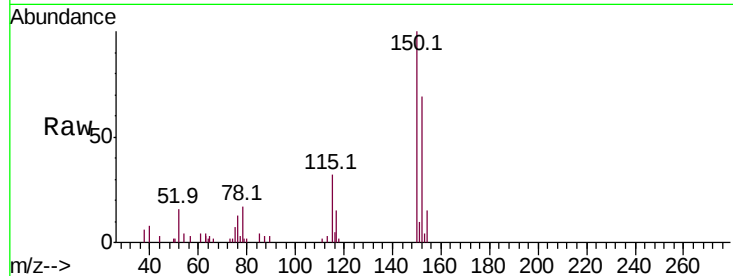
Tot Ion:152 Resp: 10921

Ion Ratio Lower Upper

152 100

115 54.3 29.3 88.0

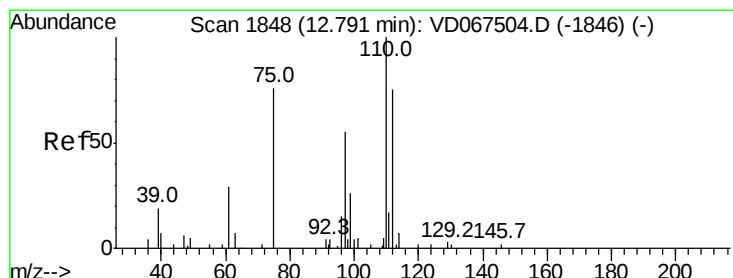
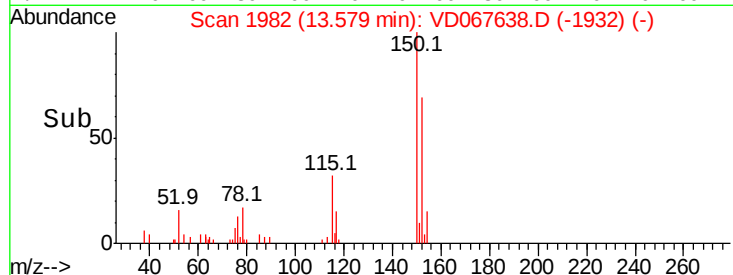
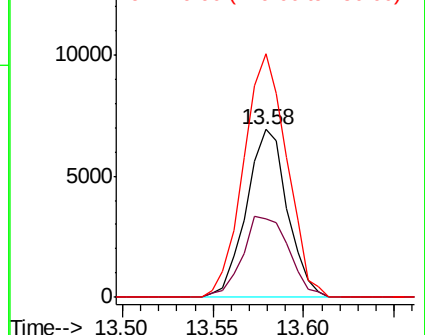
150 152.6 0.0 338.2



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: 58.635 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067638.D

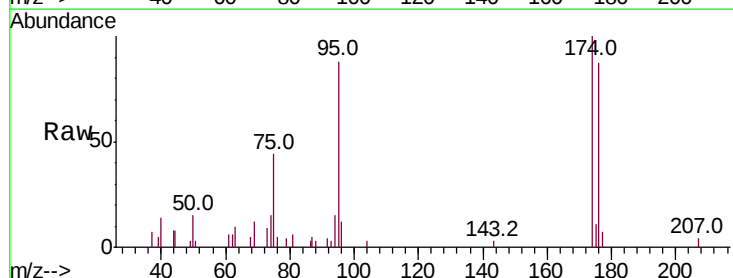
Acq: 16 Nov 2020 14:02

Tgt Ion: 75 Resp: 3863

Ion Ratio Lower Upper

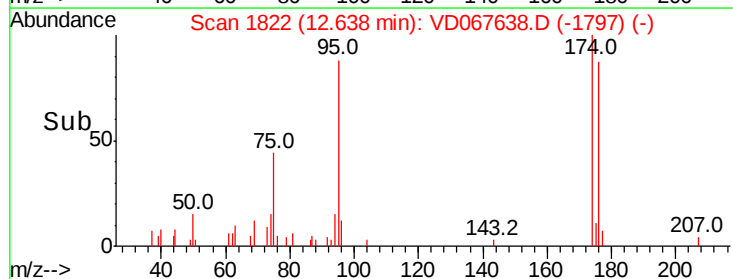
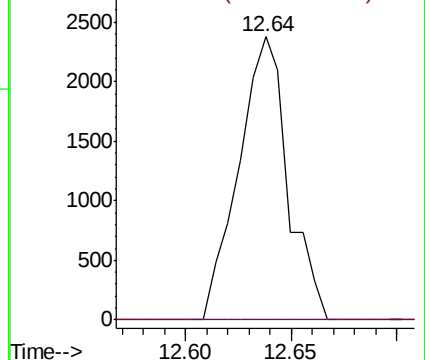
75 100

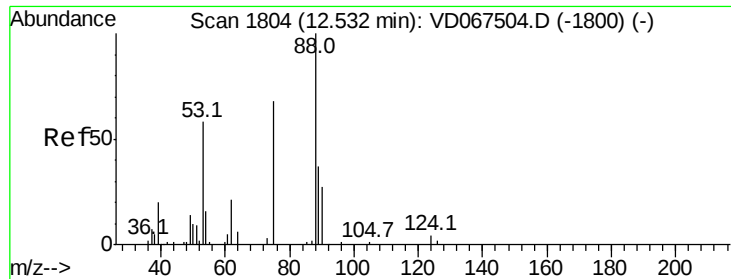
77 0.0 0.0 0.0



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: 119.045 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

OK-02-111320

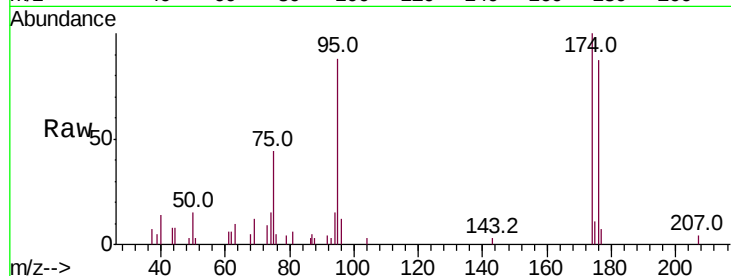
Tot Ion: 75 Resp: 3863

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

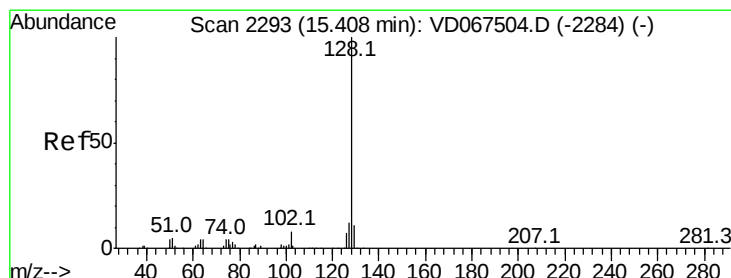
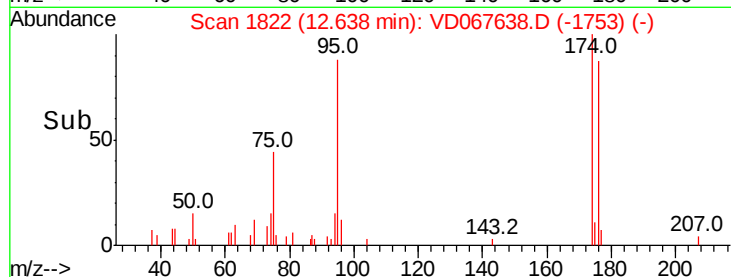
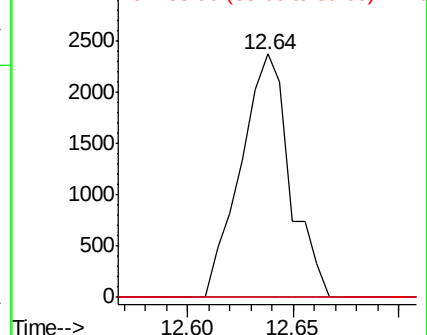
89 0.0 44.6 67.0#



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



#95

Naphthalene

Concen: 1.067 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067638.D

Acq: 16 Nov 2020 14:02

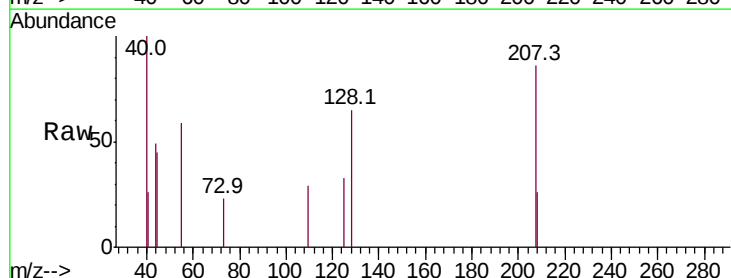
Tgt Ion: 128 Resp: 320

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

