

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067388.D
 Acq On : 26 Oct 2020 13:17
 Operator : VA/SY
 Sample : L4219-17
 Misc : 6.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-102320

Quant Time: Oct 27 00:51:51 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	236379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	380944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	383168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193510	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	142926	60.35	ug/l	0.00
Spiked Amount			Recovery	=	120.70%	
35) Dibromofluoromethane	7.92	113	130046	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	10.34	98	447035	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.64	95	162160	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	

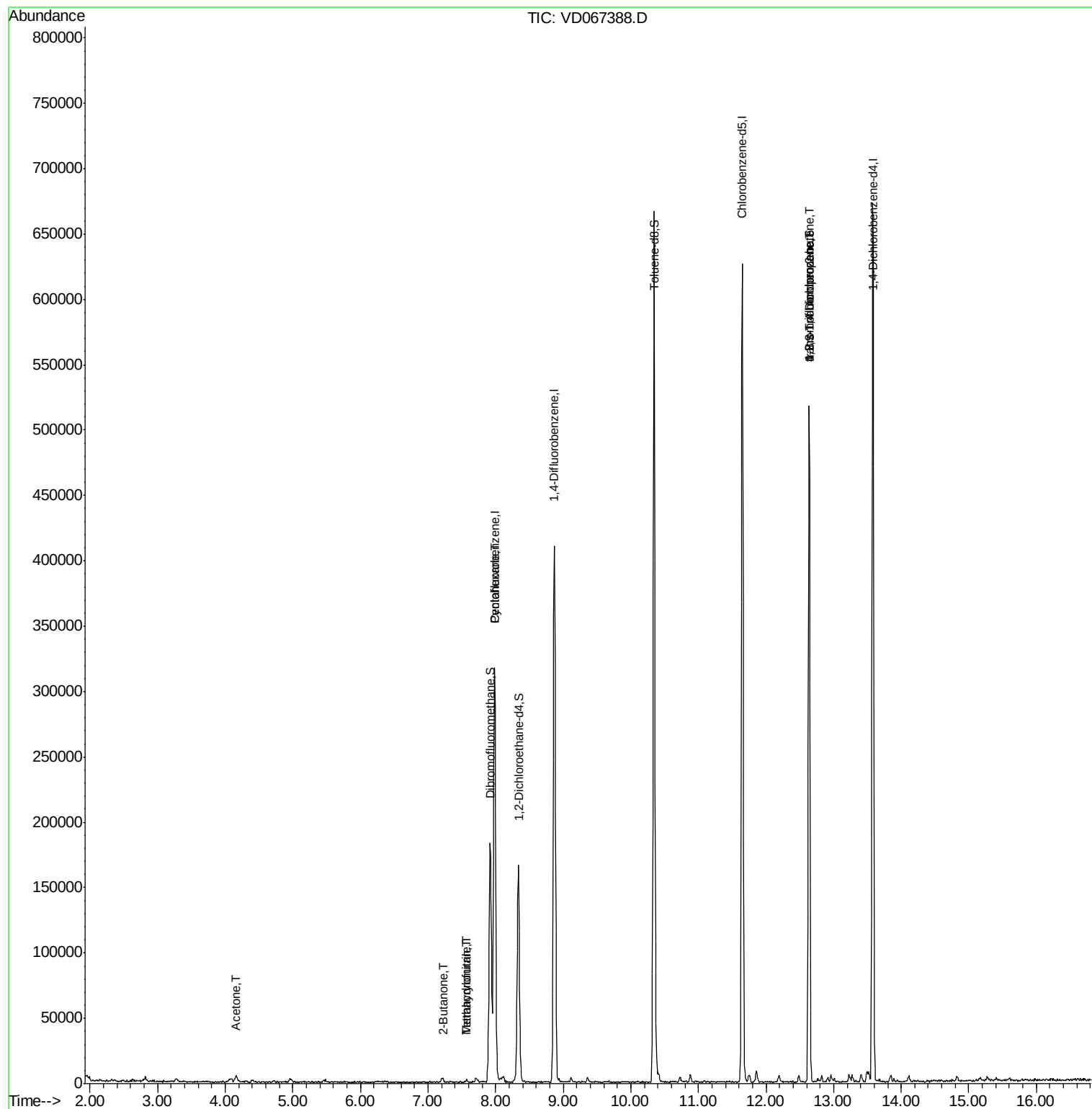
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1290	Below Cal	#	51
5) Bromomethane	2.76	94	645	Below Cal	#	3
11) Tert butyl alcohol	5.24	59	155	Below Cal	#	81
16) Acetone	4.16	43	8579	25.867	ug/l #	84
20) Methylene Chloride	4.97	84	2147	Below Cal	#	75
25) 2-Butanone	7.23	43	891	2.357	ug/l #	45
29) Tetrahydrofuran	7.57	42	1091	5.191	ug/l	94
31) Cyclohexane	7.98	56	5388	1.975	ug/l #	44
41) Methacrylonitrile	7.57	41	833	1.623	ug/l #	11
76) 1,2,3-Trichloropropane	12.64	75	83371	62.161	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	83371	140.963	ug/l #	10

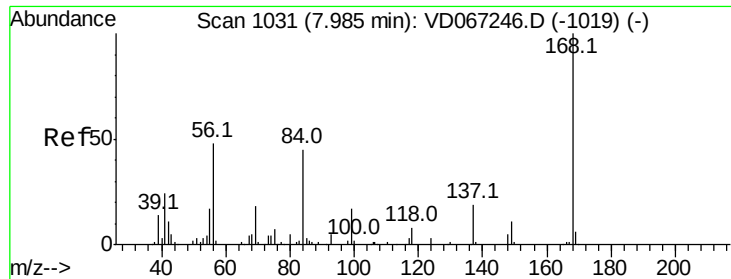
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 27 00:51:51 2020
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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: VD067388.D

Acq: 26 Oct 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

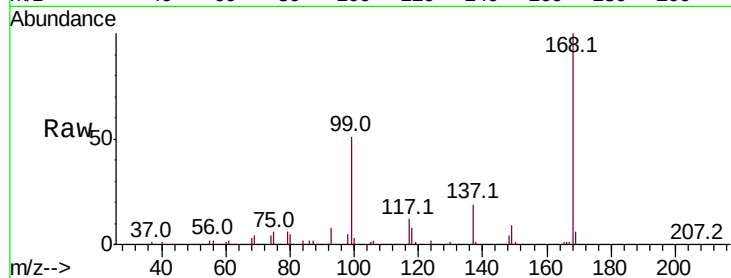
CL-01-102320

Tot Ion:168 Resp: 236379

Ion Ratio Lower Upper

168 100

99 51.2 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

120000

100000

80000

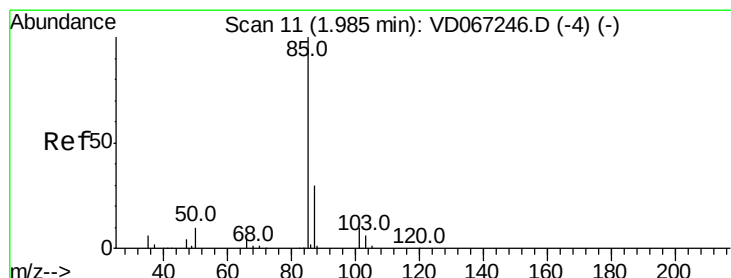
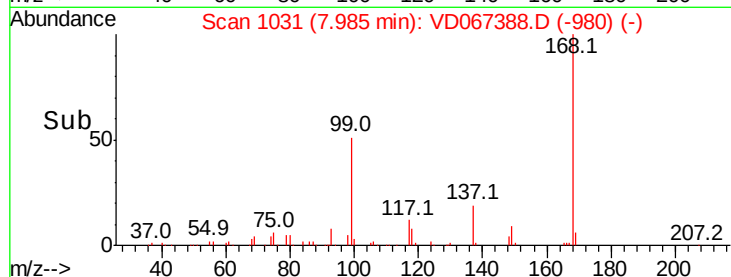
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067388.D

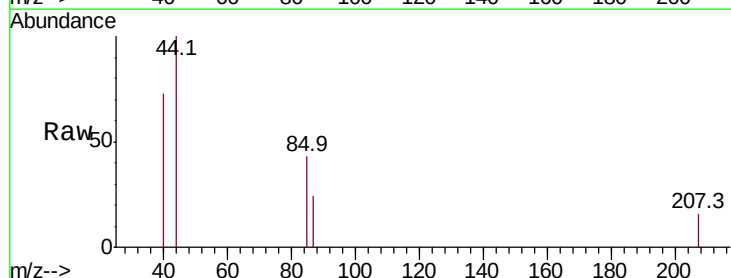
Acq: 26 Oct 2020 13:17

Tgt Ion: 85 Resp: 1290

Ion Ratio Lower Upper

85 100

87 56.8 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

1000

800

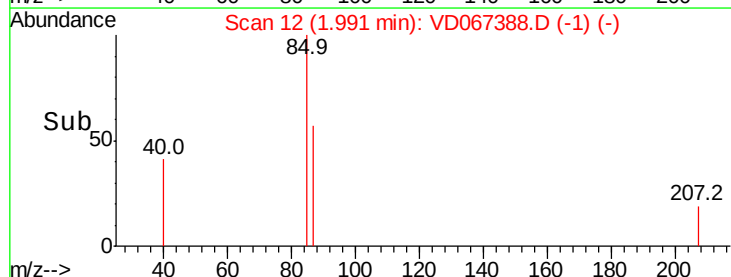
600

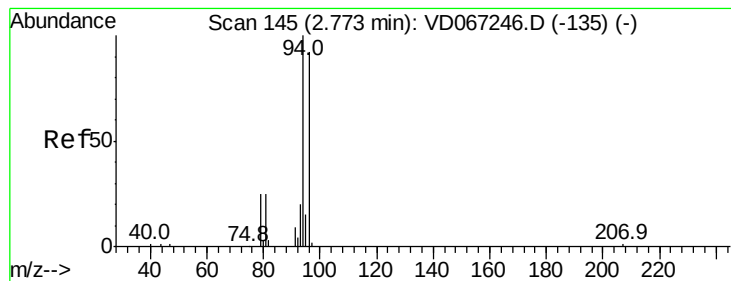
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067388.D

Acq: 26 Oct 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

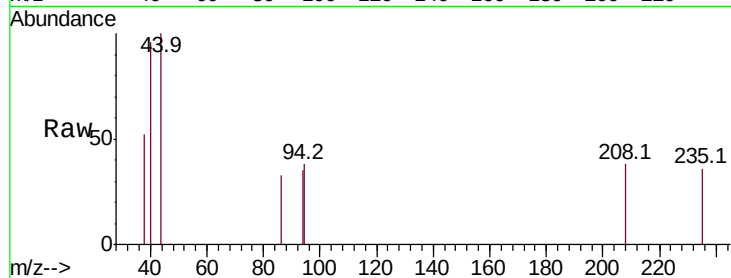
CL-01-102320

Tot Ion: 94 Resp: 645

Ion Ratio Lower Upper

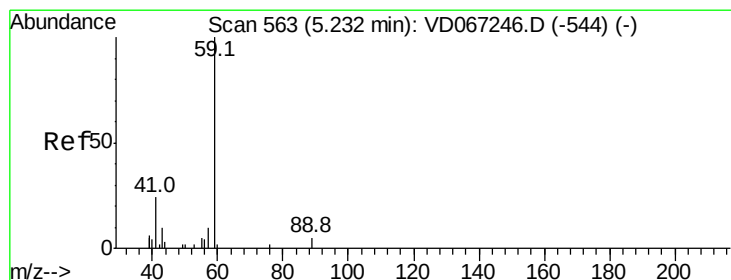
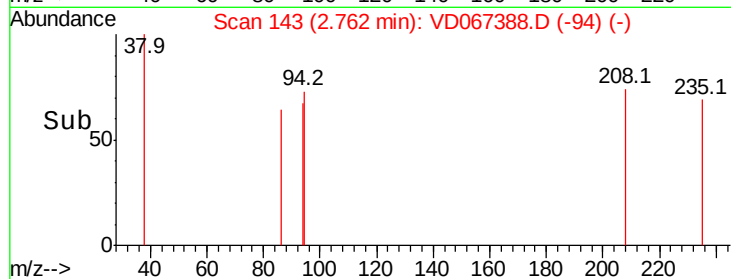
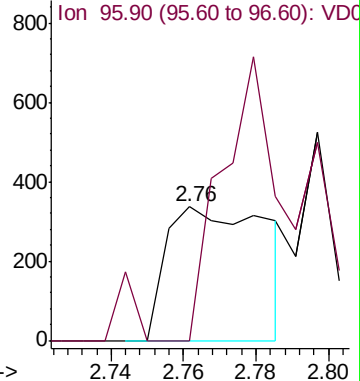
94 100

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: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD067388.D

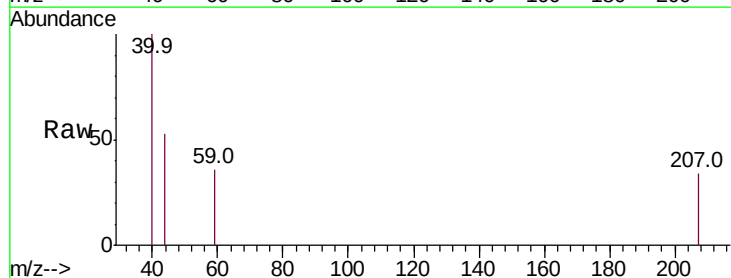
Acq: 26 Oct 2020 13:17

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

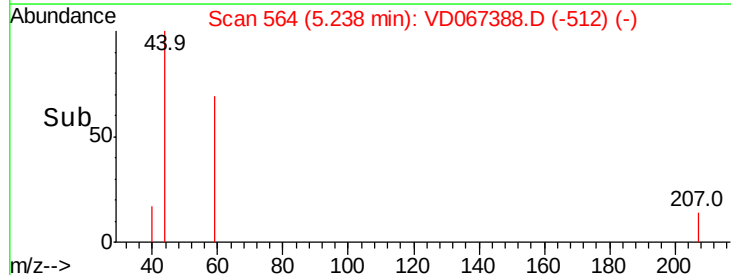
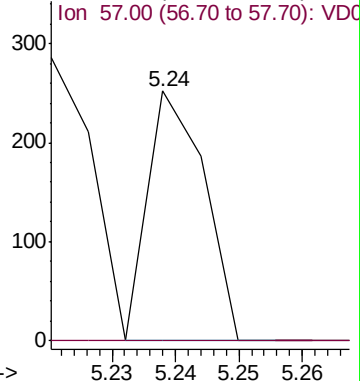
59 100

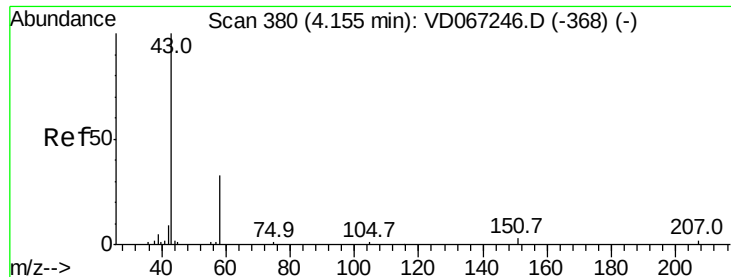
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 25.867 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067388.D

Acq: 26 Oct 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

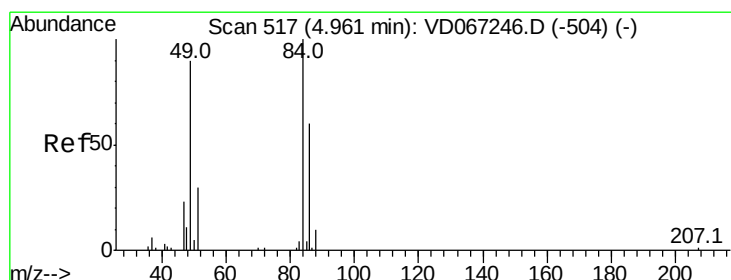
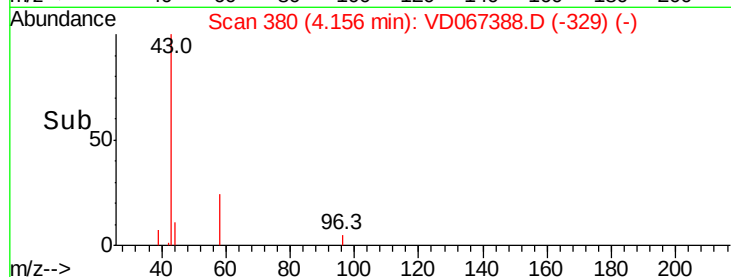
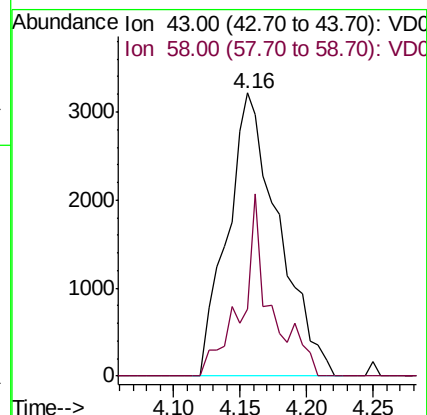
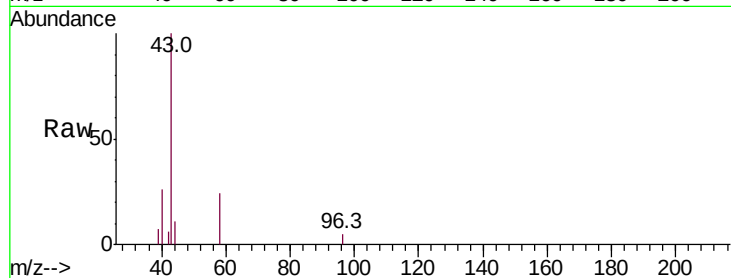
CL-01-102320

Tot Ion: 43 Resp: 8579

Ion Ratio Lower Upper

43 100

58 23.8 26.1 39.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067388.D

Acq: 26 Oct 2020 13:17

Tgt Ion: 84 Resp: 2147

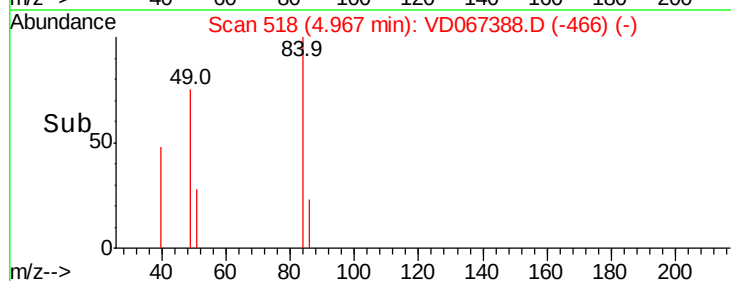
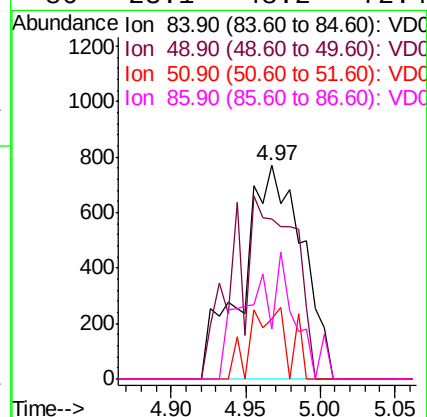
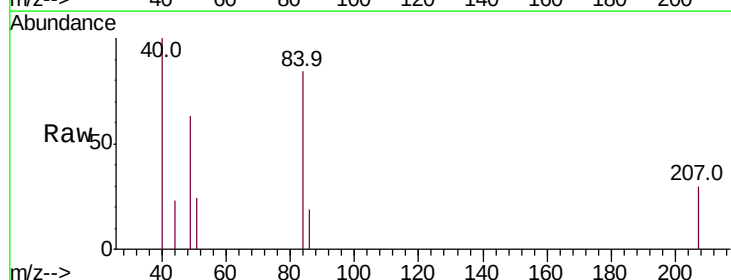
Ion Ratio Lower Upper

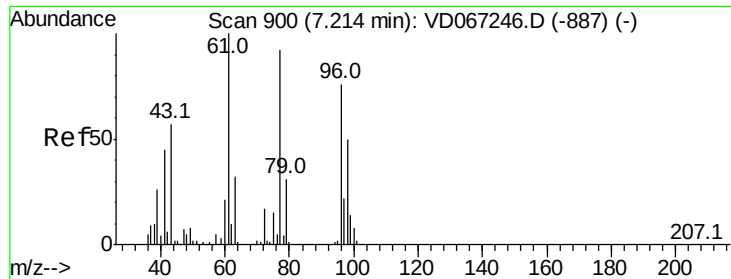
84 100

49 75.1 72.2 108.2

51 28.1 23.8 35.8

86 23.1 48.2 72.4#

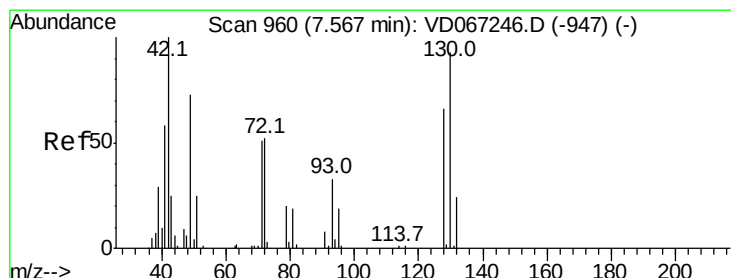
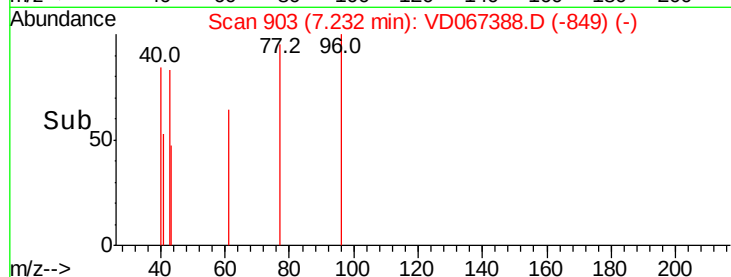
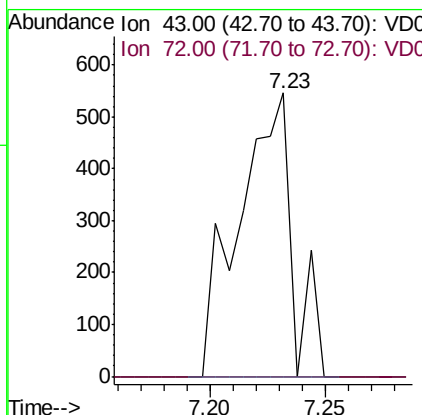
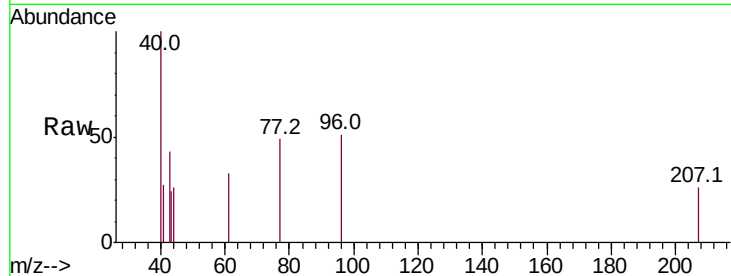




#25
2-Butanone
Concen: 2.357 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.02 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

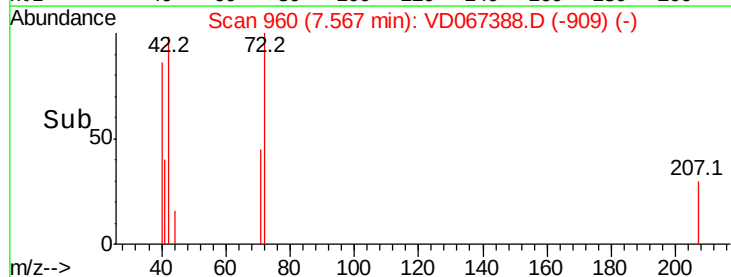
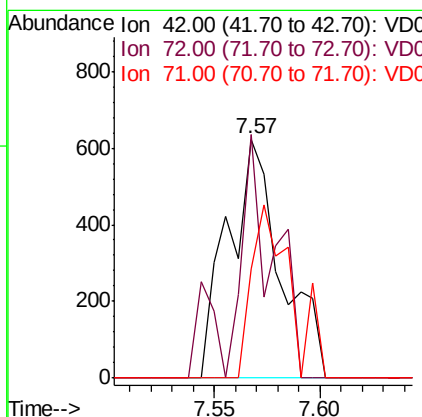
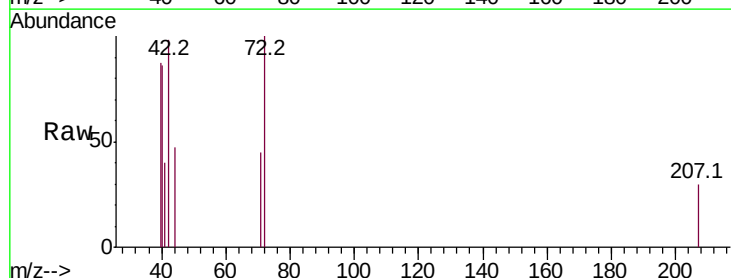
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102320

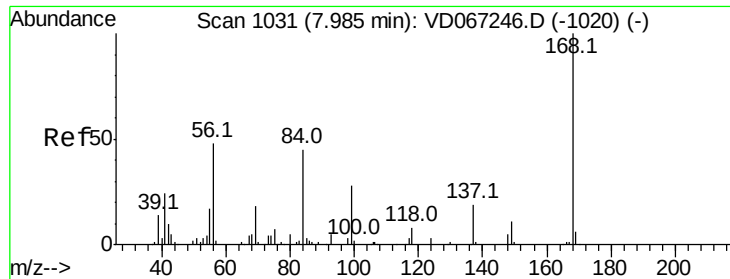
Tot Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 5.191 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

Tgt Ion: 42 Resp: 1091
Ion Ratio Lower Upper
42 100
72 58.1 43.2 64.8
71 53.3 39.4 59.0

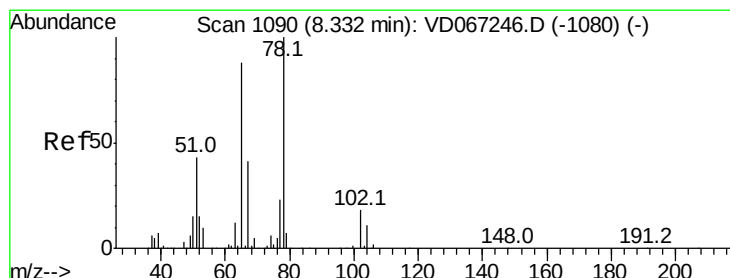
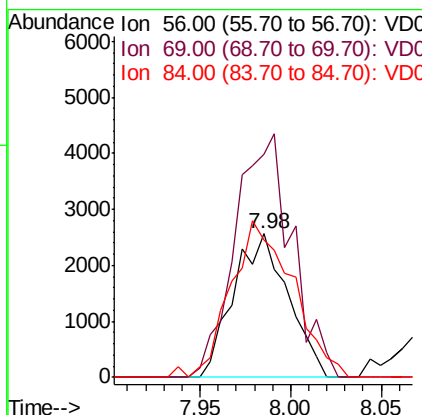
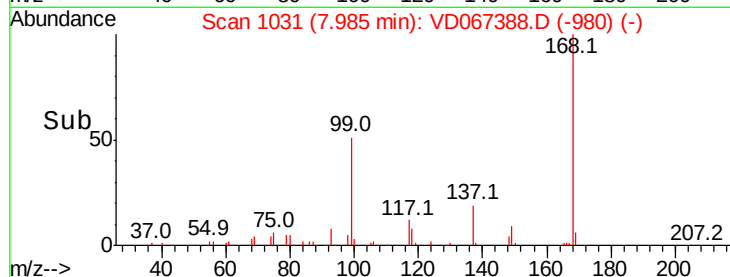
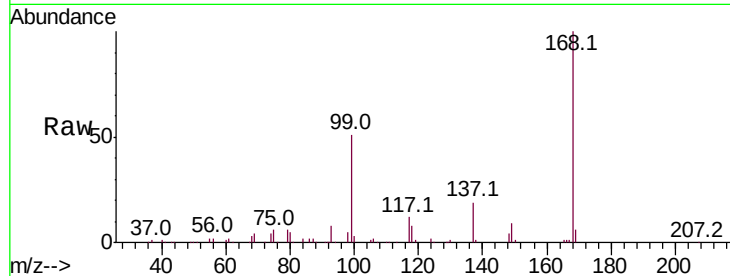




#31
Cyclohexane
Concen: 1.975 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

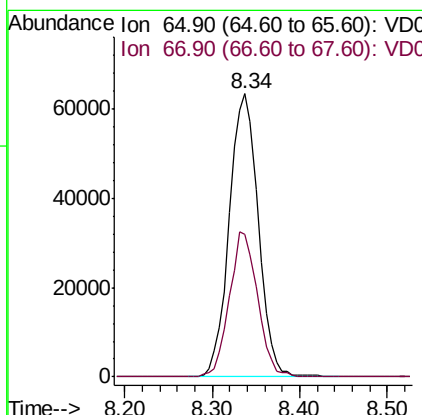
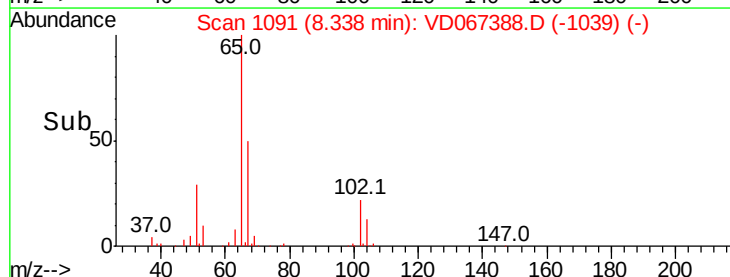
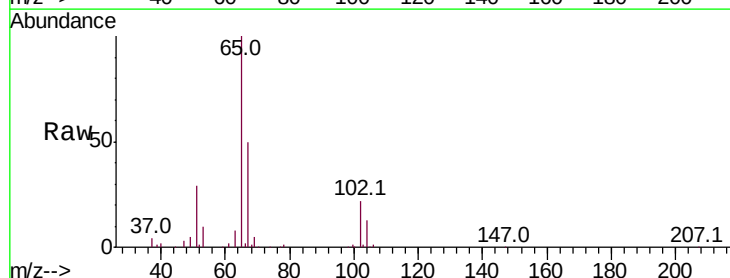
Instrument :
MSVOA_D
ClientSampleId :
CL-01-102320

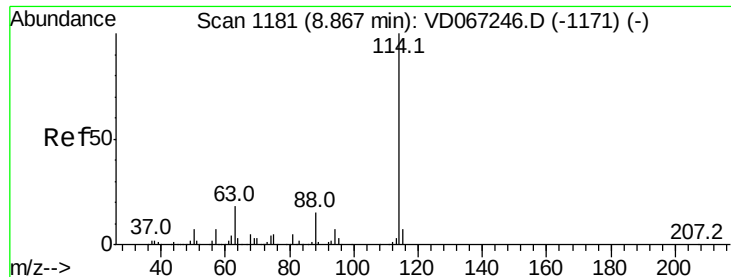
Tot Ion: 56 Resp: 5388
Ion Ratio Lower Upper
56 100
69 155.1 29.8 44.6#
84 95.3 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 60.353 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

Tgt Ion: 65 Resp: 142926
Ion Ratio Lower Upper
65 100
67 49.6 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: VD067388.D

Acq: 26 Oct 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102320

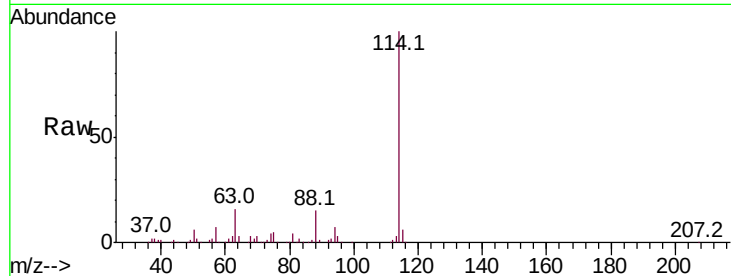
Tot Ion:114 Resp: 380944

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 14.6 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

250000

200000

150000

100000

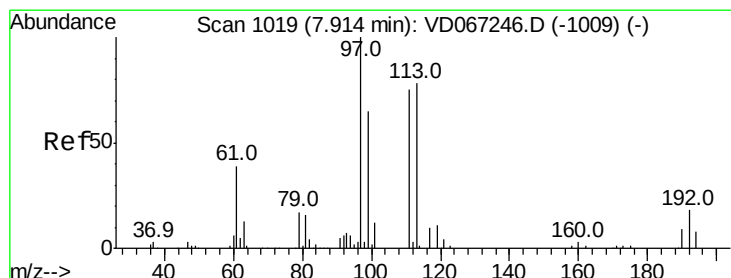
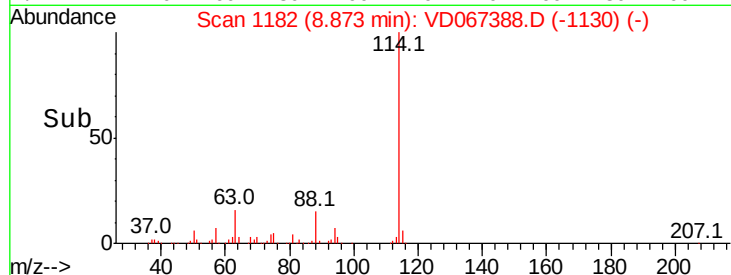
50000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 51.296 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067388.D

Acq: 26 Oct 2020 13:17

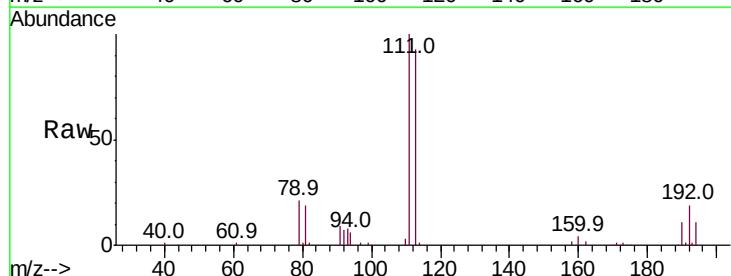
Tgt Ion:113 Resp: 130046

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

192 22.0 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

60000

40000

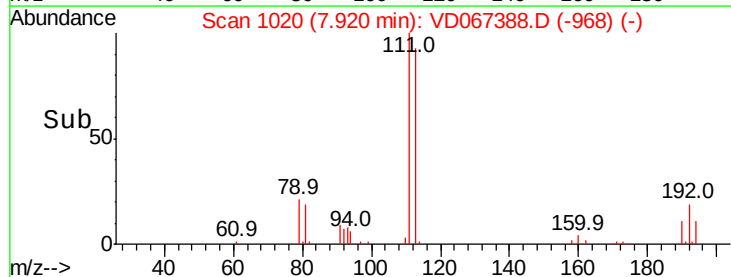
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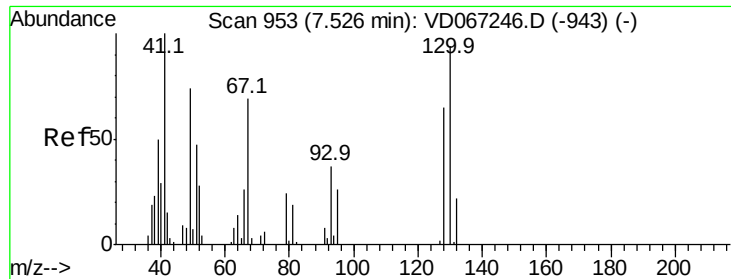
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7.92

7.80 7.90 8.00

Time-->

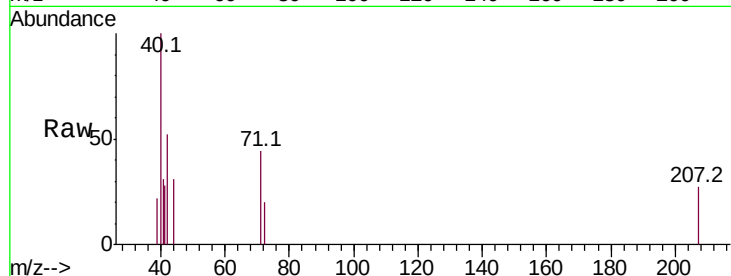




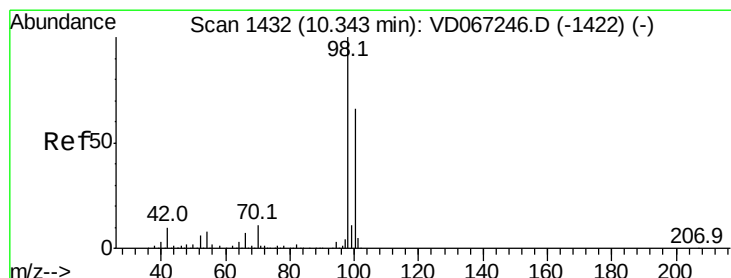
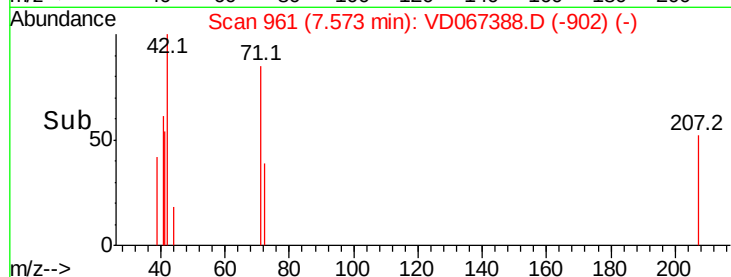
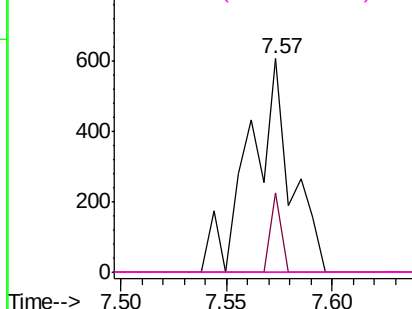
#41
Methacrylonitrile
Concen: 1.623 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.05 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
CL-01-102320

Tot Ion: 41 Resp: 833
Ion Ratio Lower Upper
41 100
39 9.5 60.0 90.0#
67 0.0 88.9 133.3#
52 0.0 36.9 55.3#

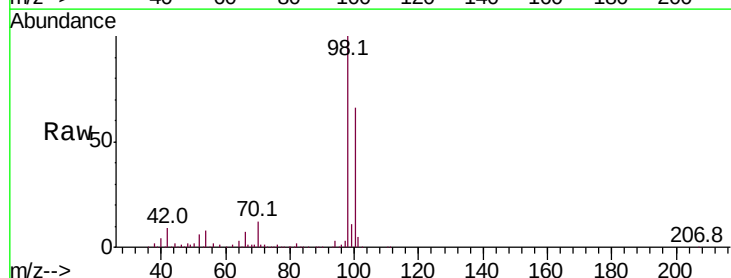


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

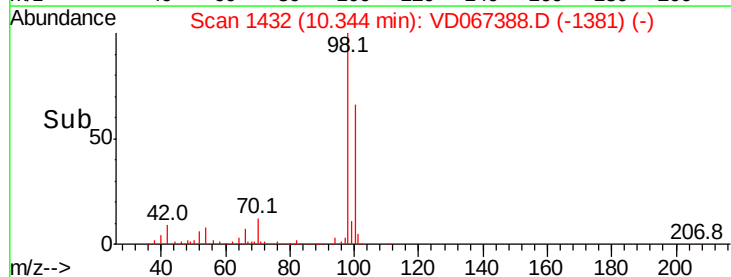
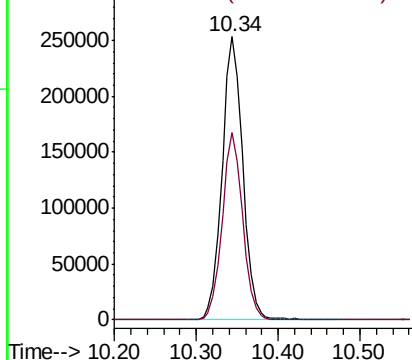


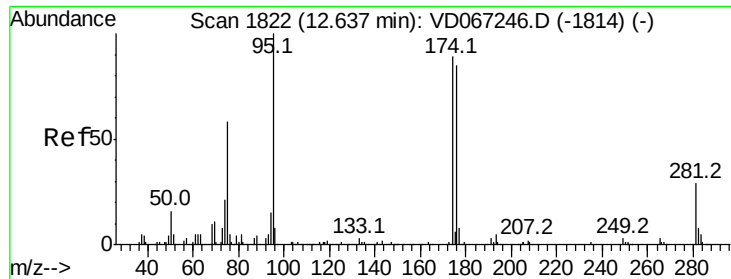
#50
Toluene-d8
Concen: 48.725 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

Tgt Ion: 98 Resp: 447035
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



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

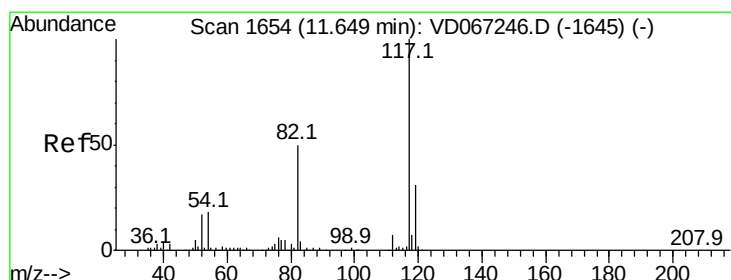
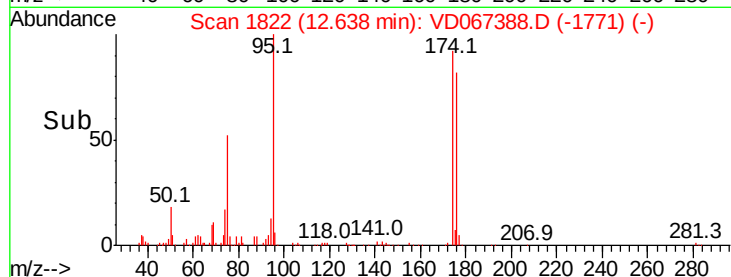
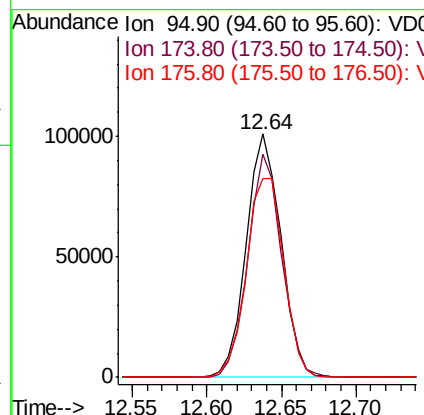
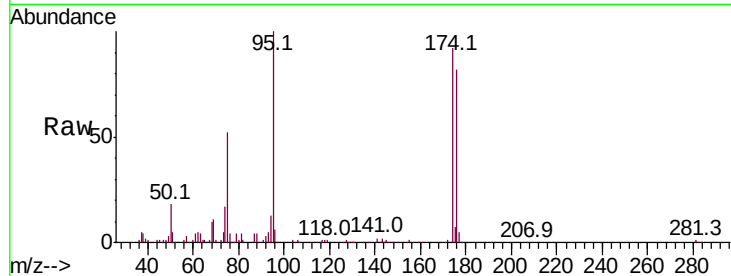




#62
4-Bromofluorobenzene
Concen: 50.830 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

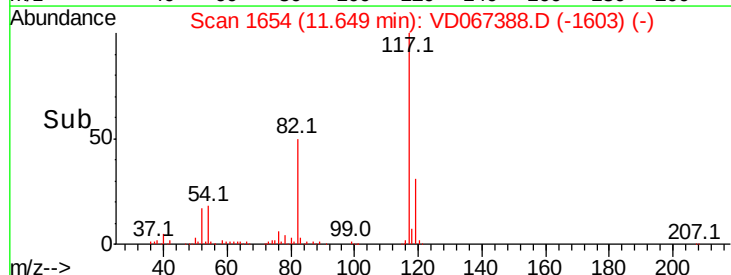
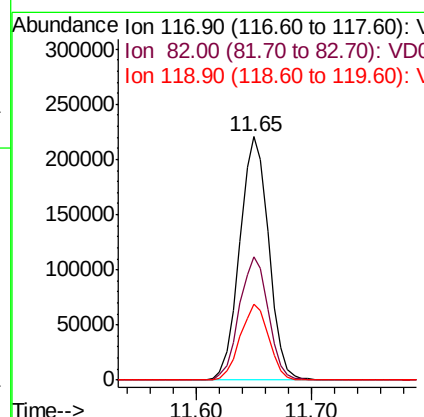
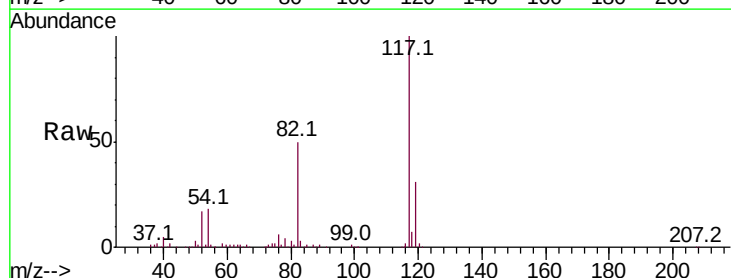
Instrument :
MSVOA_D
ClientSampled :
CL-01-102320

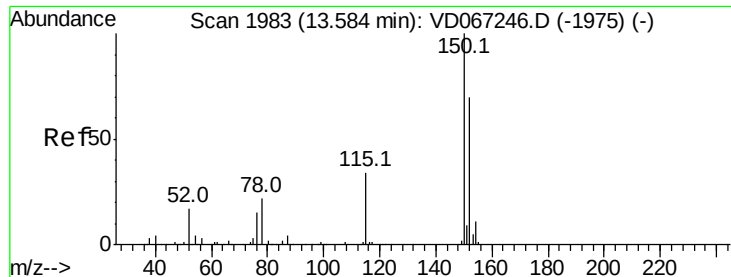
Tot Ion: 95 Resp: 162160
Ion Ratio Lower Upper
95 100
174 89.5 0.0 175.2
176 88.0 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067388.D
Acq: 26 Oct 2020 13:17

Tgt Ion: 117 Resp: 383168
Ion Ratio Lower Upper
117 100
82 50.4 39.9 59.9
119 31.3 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: VD067388.D

Acq: 26 Oct 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102320

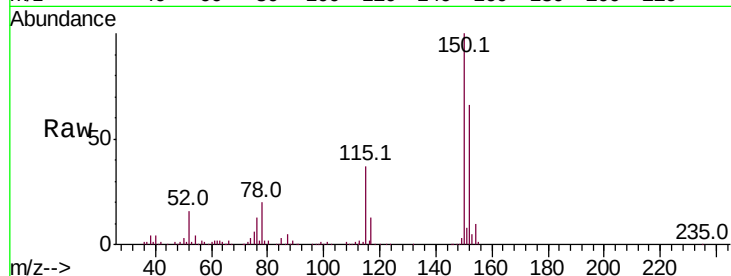
Tot Ion:152 Resp: 193510

Ion Ratio Lower Upper

152 100

115 58.9 29.3 87.9

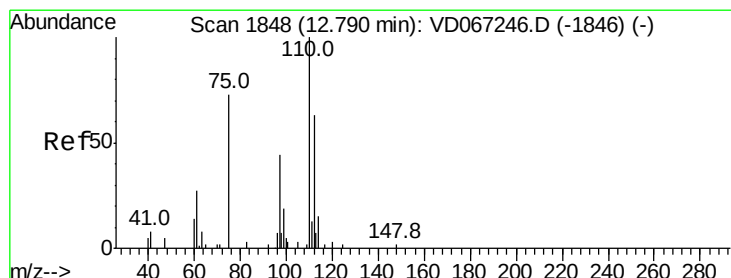
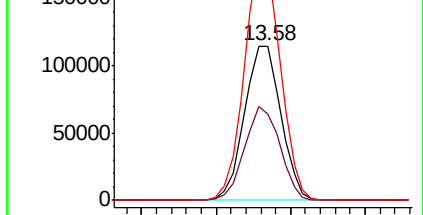
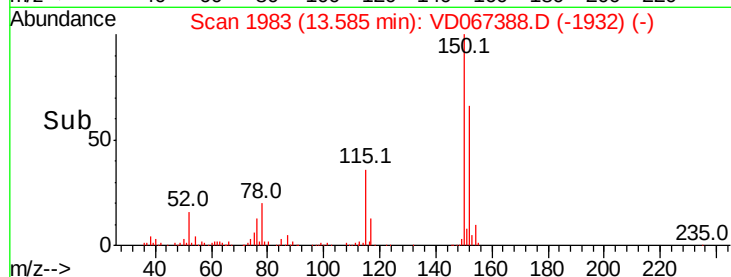
150 153.8 0.0 339.0



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: 62.161 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067388.D

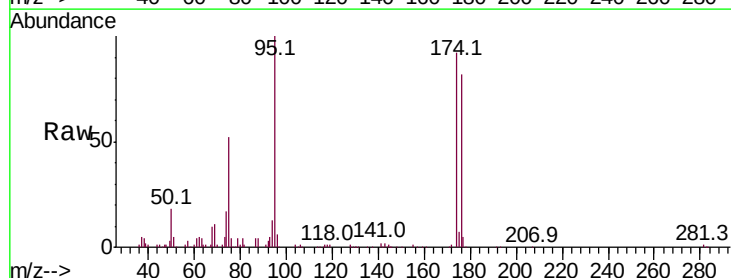
Acq: 26 Oct 2020 13:17

Tgt Ion: 75 Resp: 83371

Ion Ratio Lower Upper

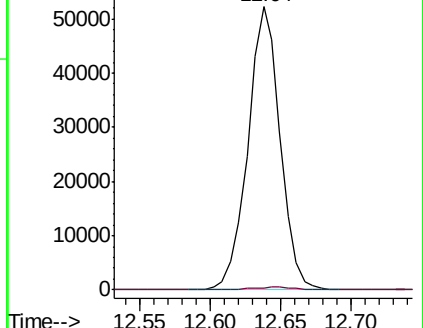
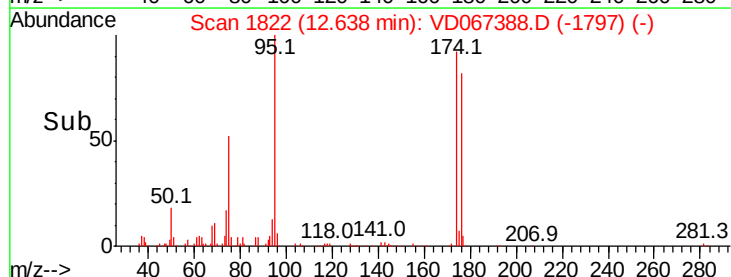
75 100

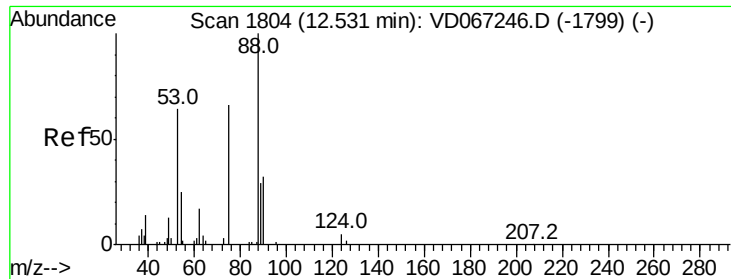
77 1.3 0.0 0.0#



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: 140.963 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067388.D

Acq: 26 Oct 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

CL-01-102320

Tot Ion: 75 Resp: 83371

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

