

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067574.D
 Acq On : 10 Nov 2020 11:17
 Operator : VA/SY
 Sample : VD1110SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBL01

Quant Time: Nov 11 00:03:43 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	7.98	168	303440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	503741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	524136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265354	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	156193	58.87	ug/l	0.00
Spiked Amount			Recovery	=	117.74%	
35) Dibromofluoromethane	7.92	113	159642	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
50) Toluene-d8	10.34	98	598403	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	
62) 4-Bromofluorobenzene	12.64	95	230134	62.50	ug/l	0.00
Spiked Amount			Recovery	=	125.00%	

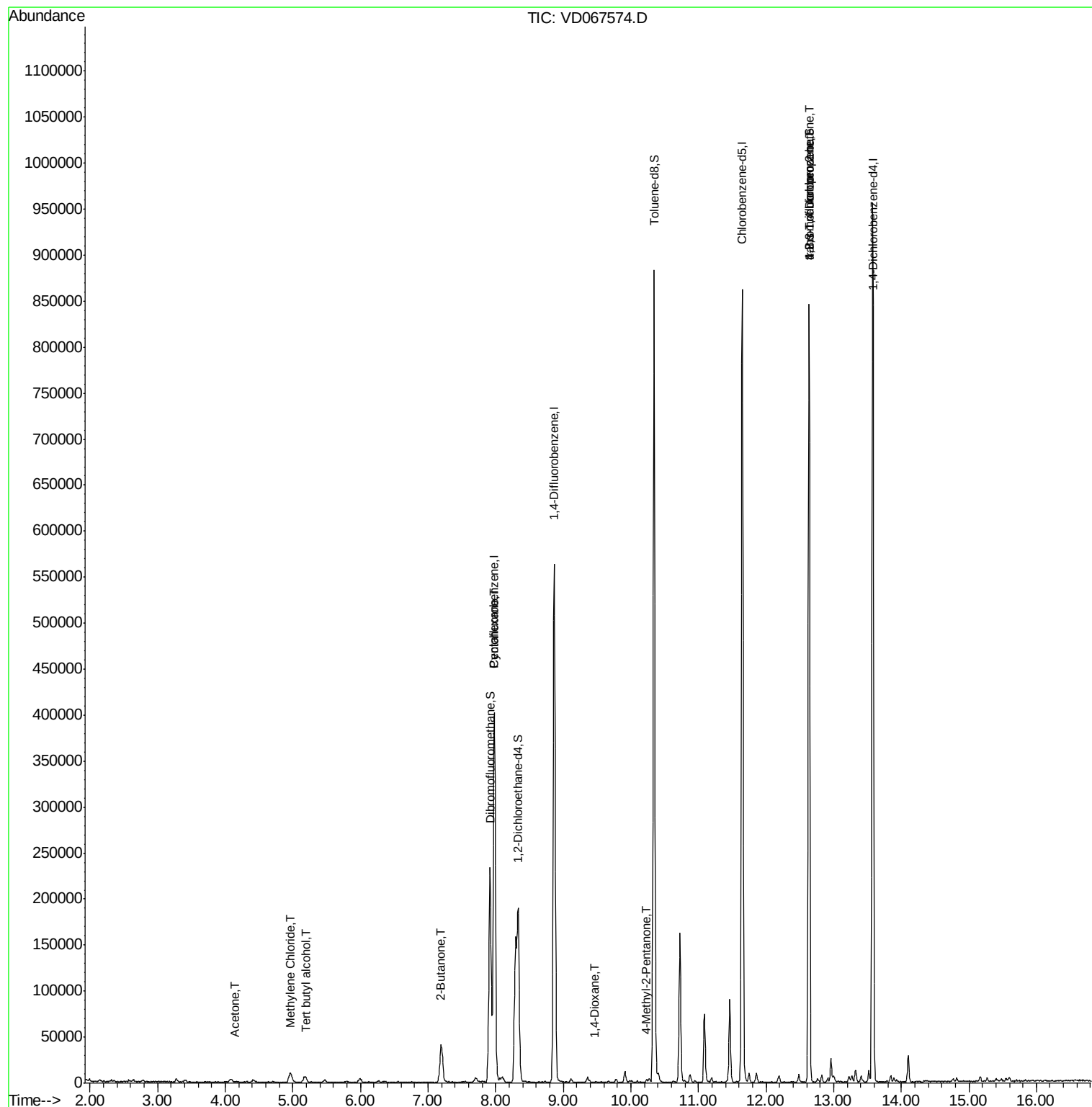
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1772	Below Cal		90
11) Tert butyl alcohol	5.19	59	5815	33.353	ug/l #	79
16) Acetone	4.14	43	430	1.083	ug/l #	43
20) Methylene Chloride	4.96	84	8881	3.167	ug/l	86
25) 2-Butanone	7.19	43	2042	4.813	ug/l #	74
31) Cyclohexane	7.98	56	7600	1.975	ug/l #	17
49) 1,4-Dioxane	9.46	88	74	4.540	ug/l #	31
51) 4-Methyl-2-Pentanone	10.23	43	1860	1.757	ug/l	88
76) 1,2,3-Trichloropropane	12.64	75	121421	75.852	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121421	153.999	ug/l #	10

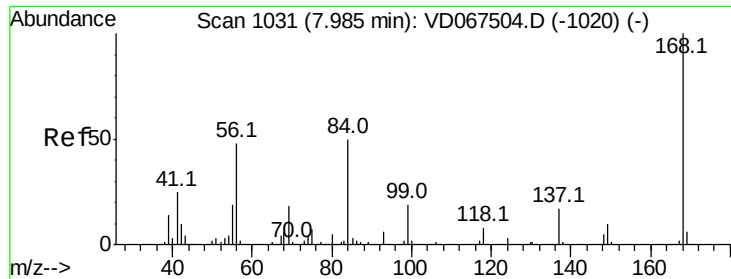
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111020\
Data File : VD067574.D
Acq On : 10 Nov 2020 11:17
Operator : VA/SY
Sample : VD1110SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1110SBL01

Quant Time: Nov 11 00:03:43 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: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067574.D

Acq: 10 Nov 2020 11:17

Instrument :

MSVOA_D

ClientSampleId :

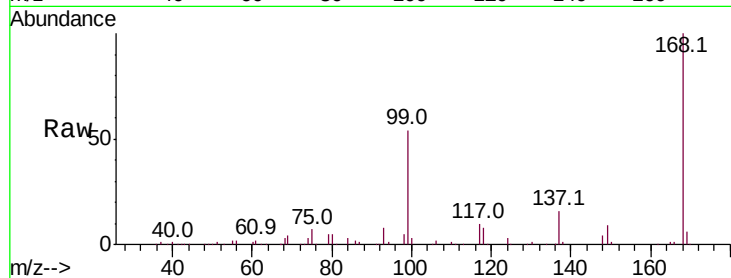
VD1110SBL01

Tot Ion:168 Resp: 303440

Ion Ratio Lower Upper

168 100

99 53.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

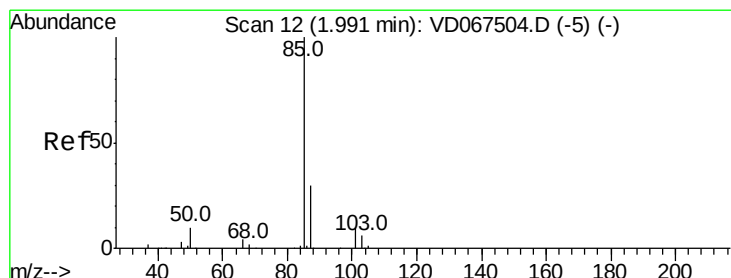
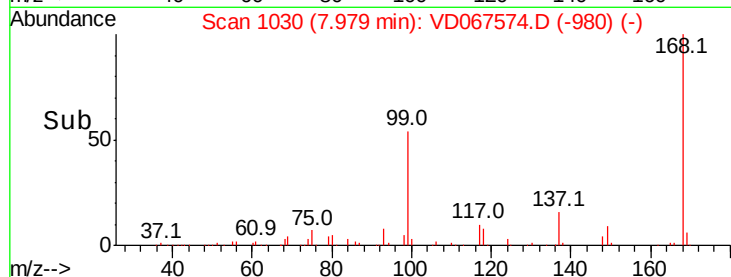
100000

50000

0

Time-->

7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067574.D

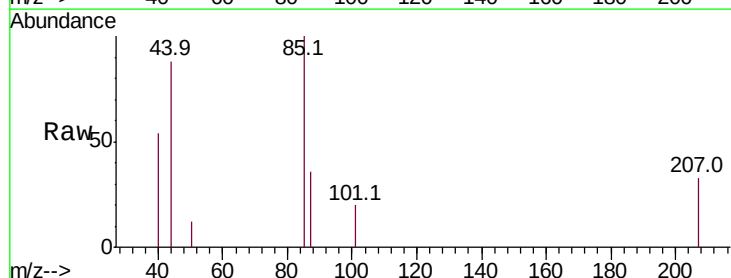
Acq: 10 Nov 2020 11:17

Tgt Ion: 85 Resp: 1772

Ion Ratio Lower Upper

85 100

87 35.9 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1500

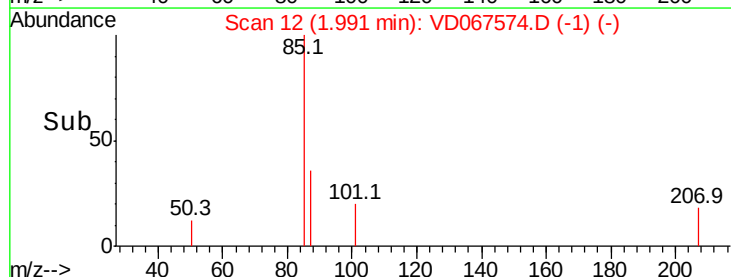
1000

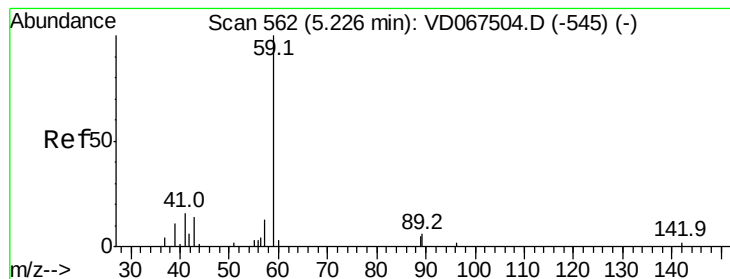
500

0

Time-->

1.94 1.96 1.98 2.00 2.02





#11

Tert butyl alcohol

Concen: 33.353 ug/l

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD067574.D

Acq: 10 Nov 2020 11:17

Instrument :

MSVOA_D

ClientSampleId :

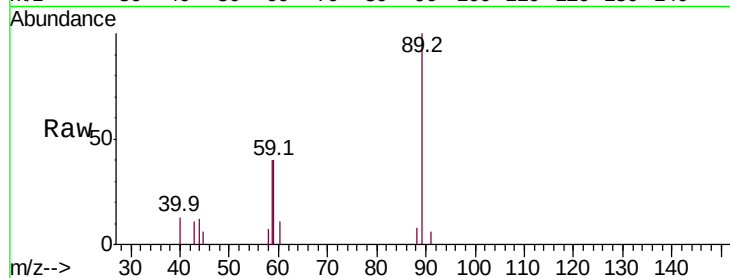
VD1110SBL01

Tot Ion: 59 Resp: 5815

Ion Ratio Lower Upper

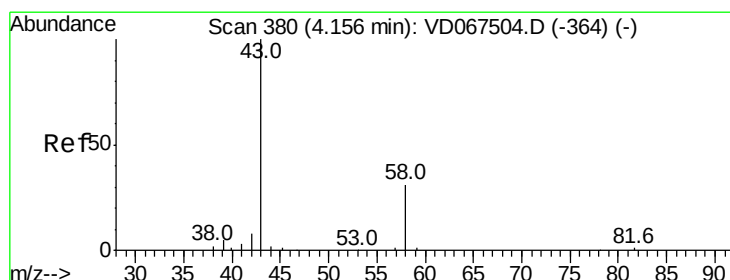
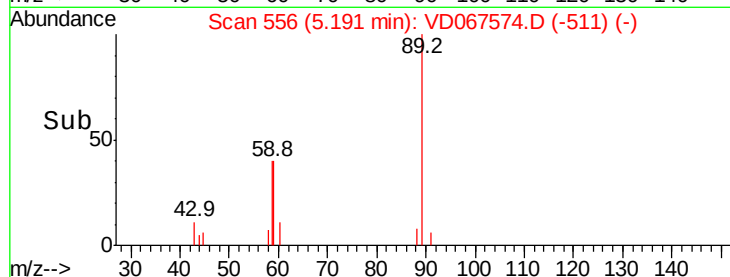
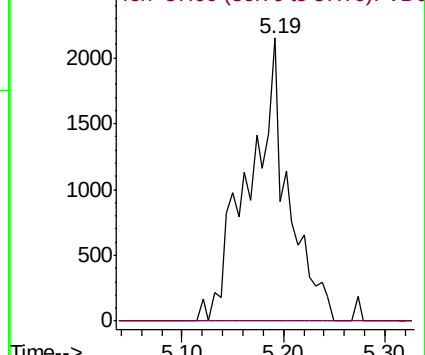
59 100

57 0.0 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#16

Acetone

Concen: 1.083 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD067574.D

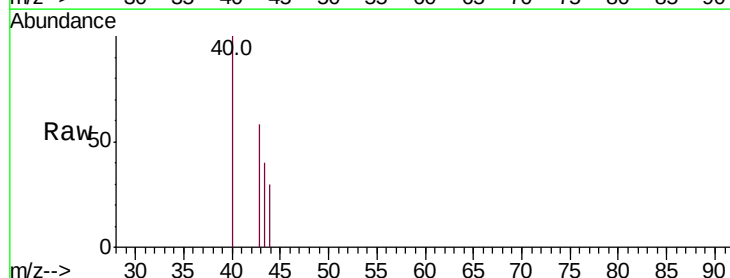
Acq: 10 Nov 2020 11:17

Tgt Ion: 43 Resp: 430

Ion Ratio Lower Upper

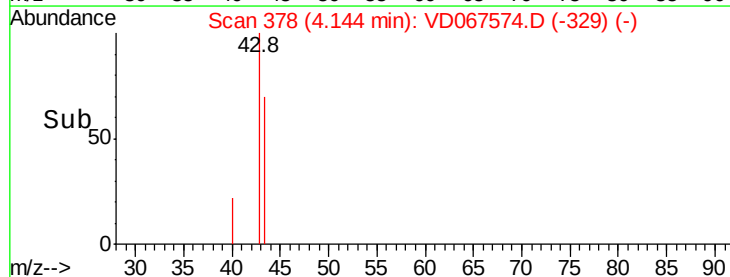
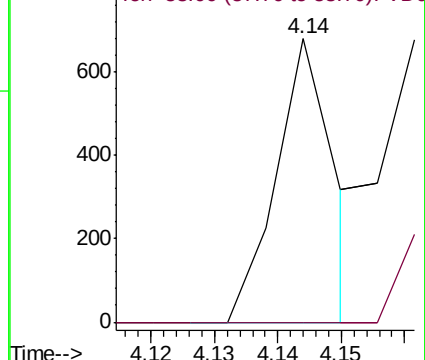
43 100

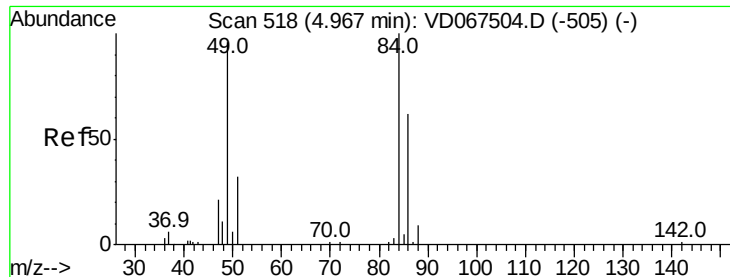
58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

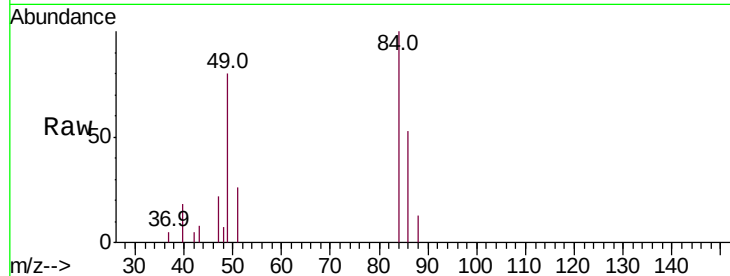




#20
Methylene Chloride
Concen: 3.167 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD1110SBL01

Tot Ion:	84	Resp:	8881
Ion	Ratio	Lower	Upper
84	100		
49	80.0	77.0	115.4
51	25.8	25.4	38.2
86	53.3	49.4	74.0



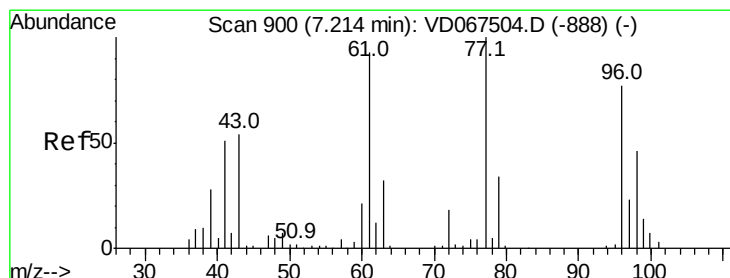
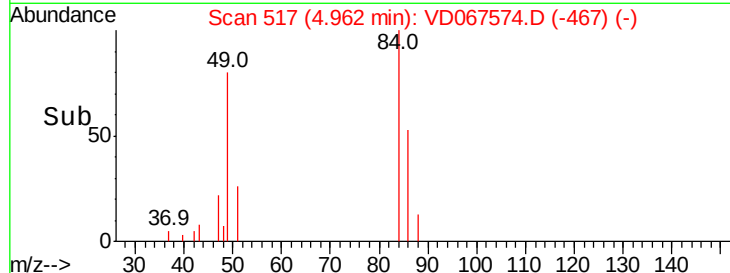
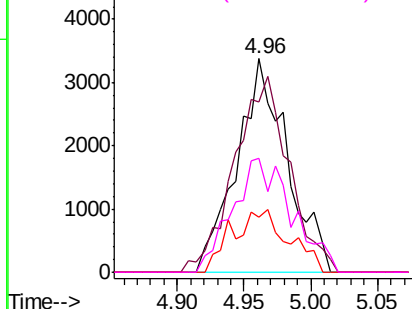
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

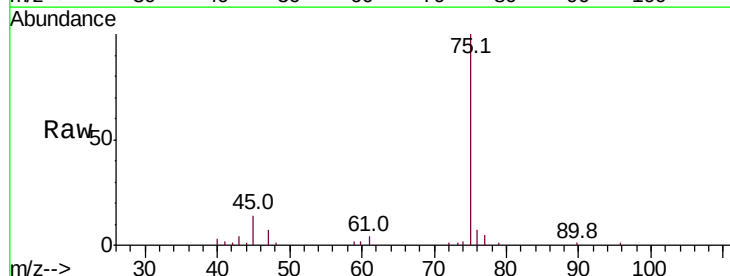
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 4.813 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

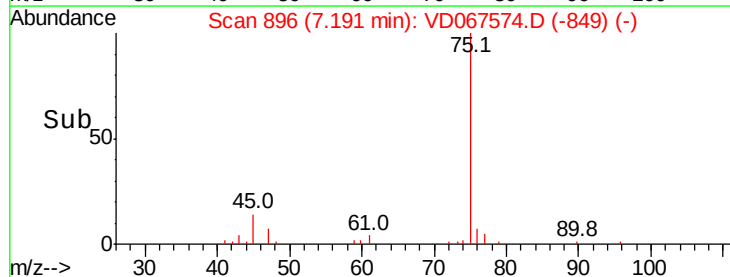
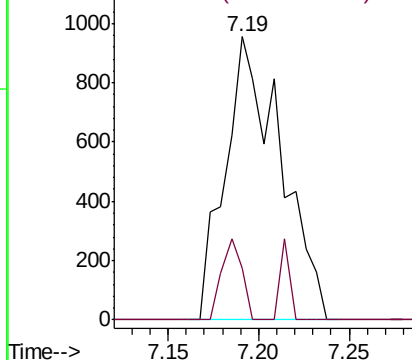
Tgt Ion:	43	Resp:	2042
Ion	Ratio	Lower	Upper
43	100		
72	18.3	26.4	39.6#

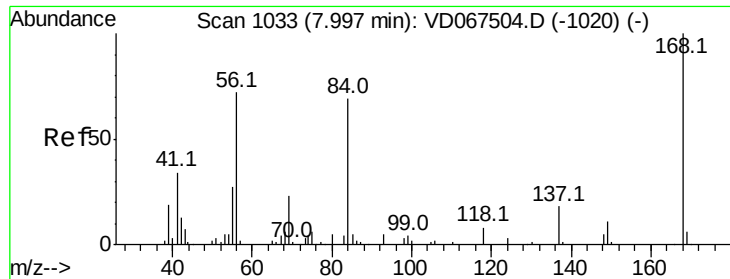


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

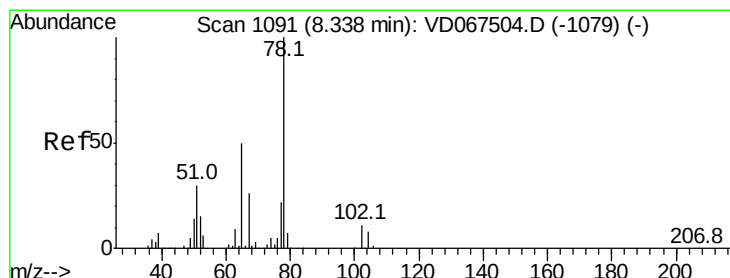
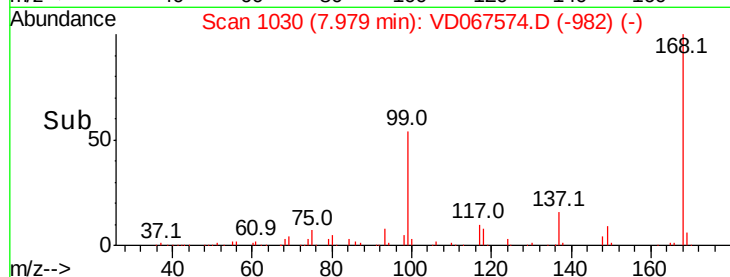
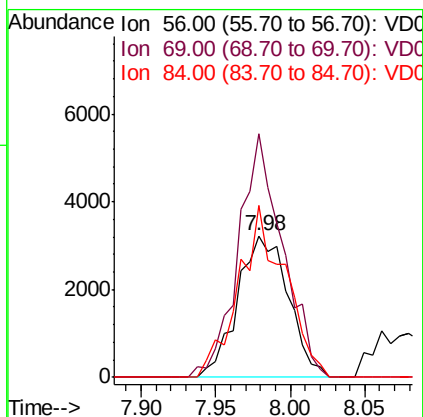
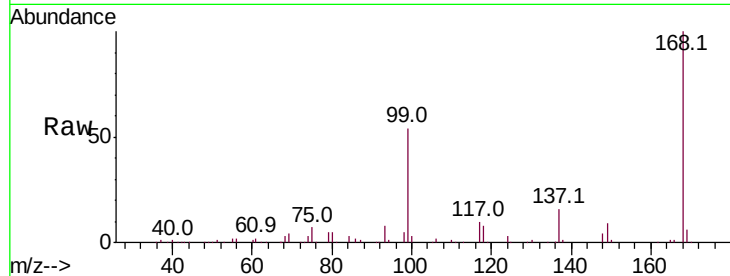




#31
Cyclohexane
Concen: 1.975 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

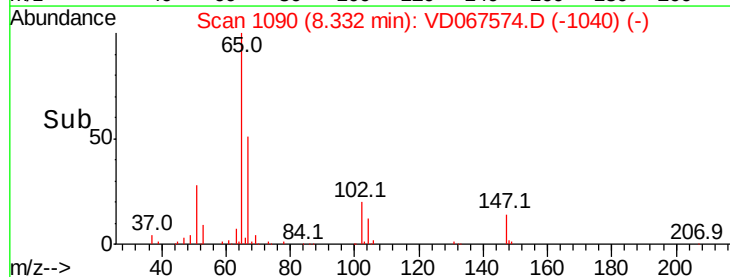
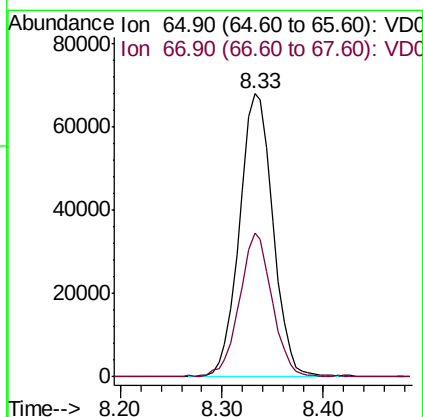
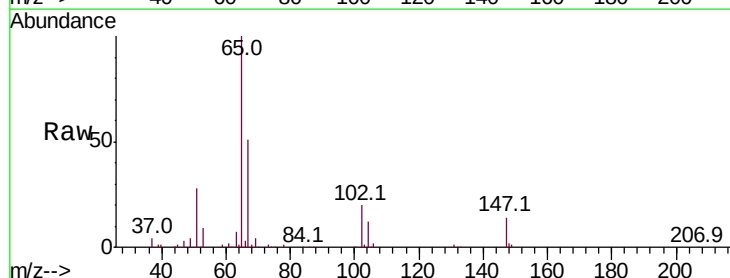
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBL01

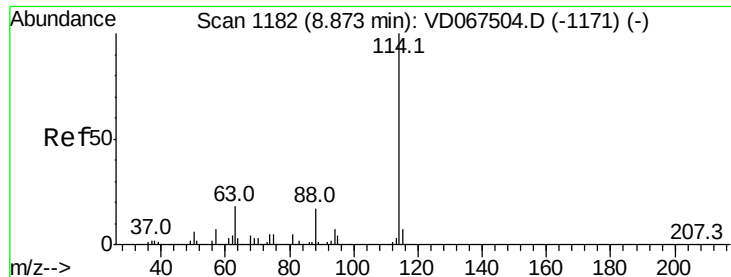
Tot Ion: 56 Resp: 7600
Ion Ratio Lower Upper
56 100
69 171.7 25.9 38.9#
84 120.9 76.2 114.4#



#33
1,2-Dichloroethane-d4
Concen: 58.869 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

Tgt Ion: 65 Resp: 156193
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.4

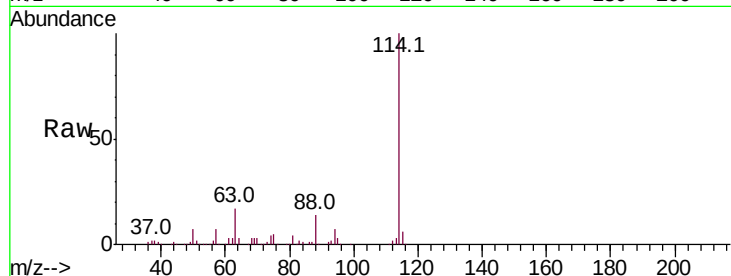




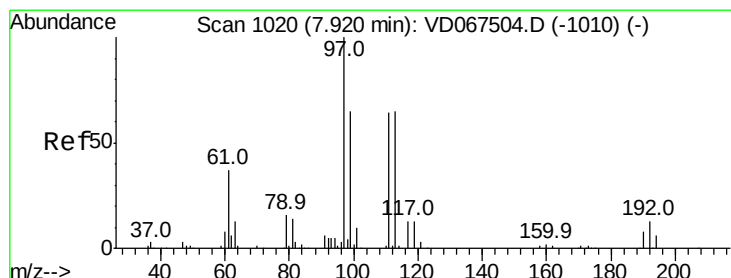
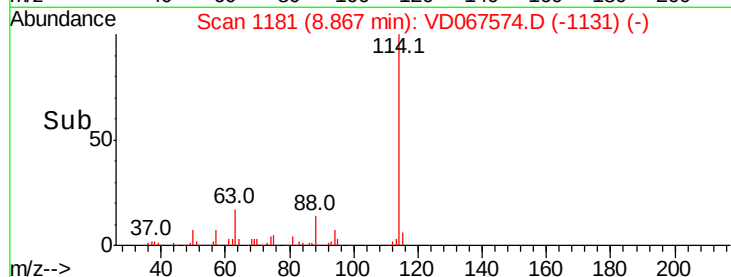
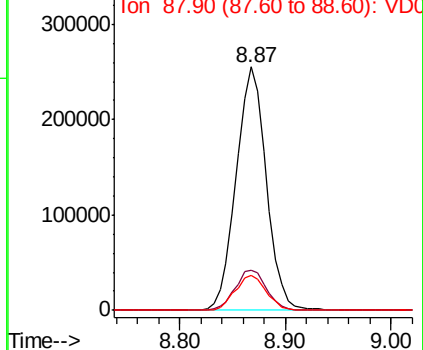
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

Instrument :
MSVOA_D
ClientSampleId :
VD1110SBL01

Tot Ion:114 Resp: 503741
Ion Ratio Lower Upper
114 100
63 16.7 0.0 35.0
88 14.2 0.0 33.0

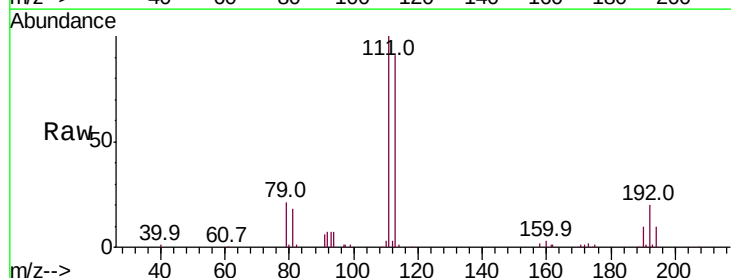


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

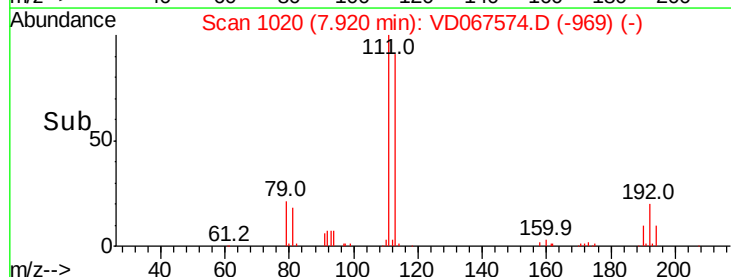
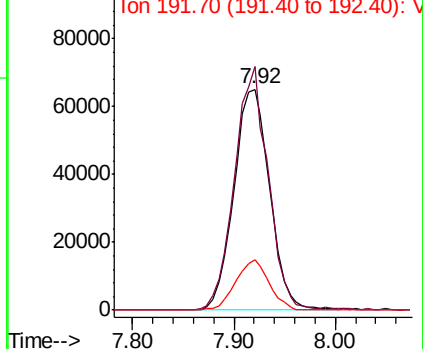


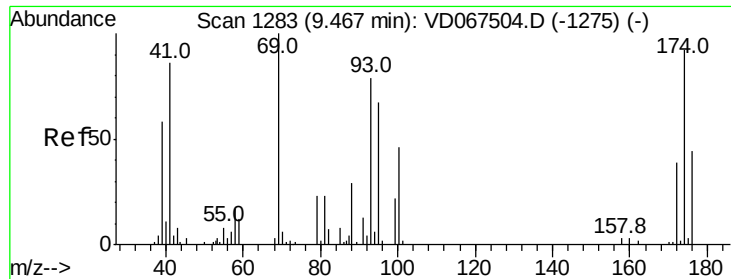
#35
Dibromofluoromethane
Concen: 52.600 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

Tgt Ion:113 Resp: 159642
Ion Ratio Lower Upper
113 100
111 104.0 80.0 120.0
192 21.2 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





#49

1,4-Dioxane

Concen: 4.540 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067574.D

Acq: 10 Nov 2020 11:17

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBL01

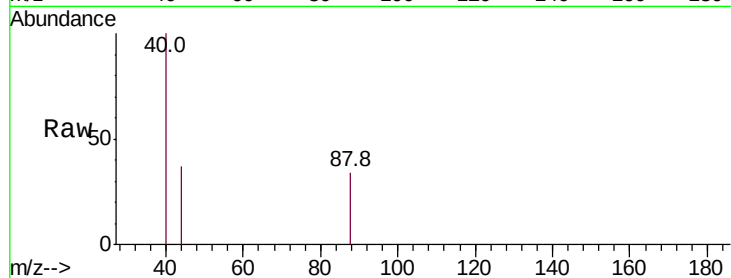
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

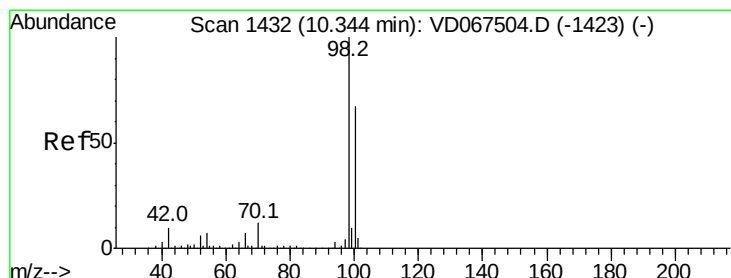
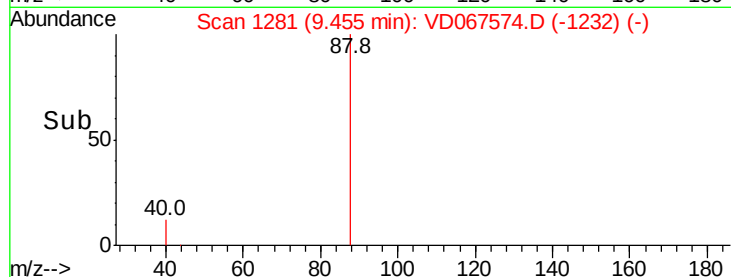
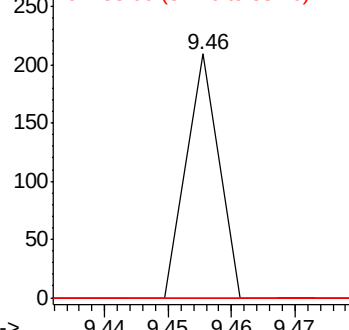
58 0.0 44.7 67.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 56.105 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067574.D

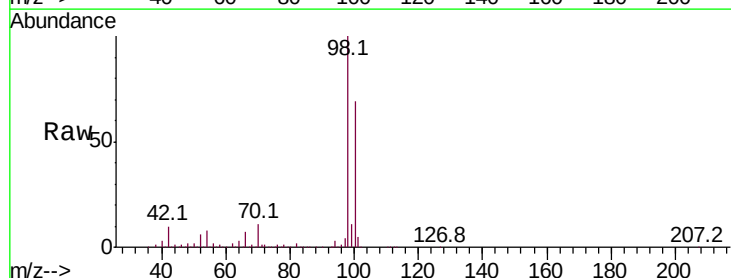
Acq: 10 Nov 2020 11:17

Tgt Ion: 98 Resp: 598403

Ion Ratio Lower Upper

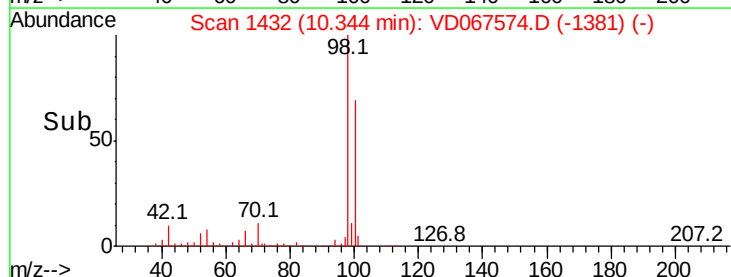
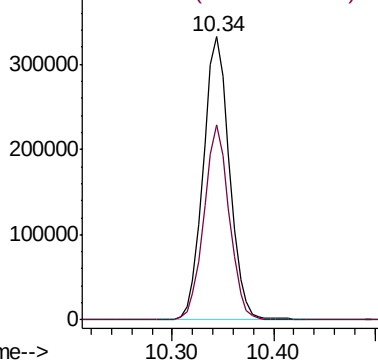
98 100

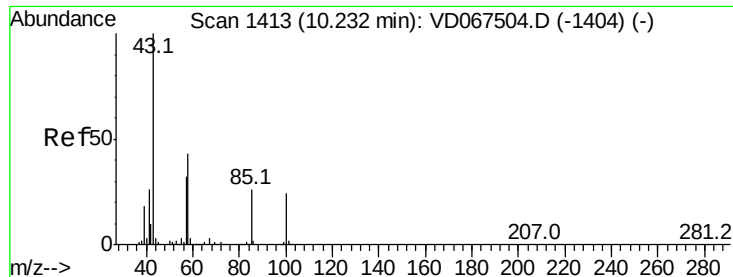
100 66.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.757 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067574.D

Acq: 10 Nov 2020 11:17

Instrument :

MSVOA_D

ClientSampleId :

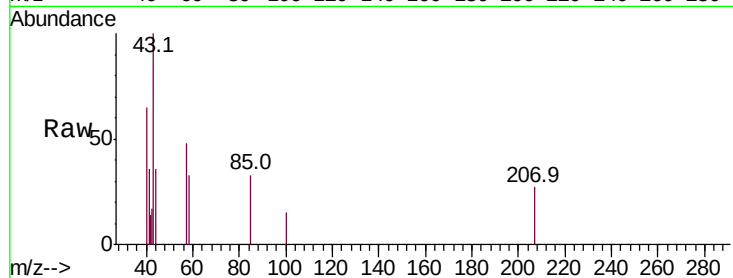
VD1110SBL01

Tot Ion: 43 Resp: 1860

Ion Ratio Lower Upper

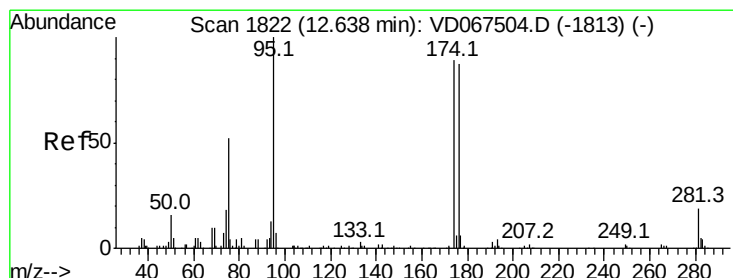
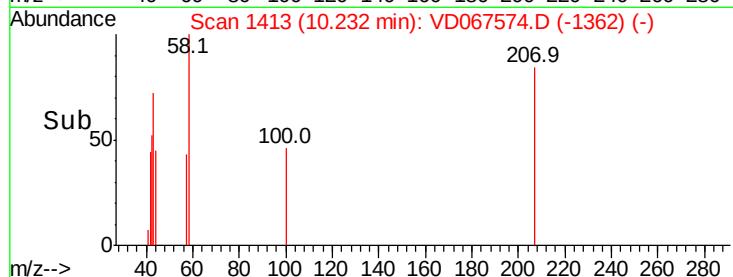
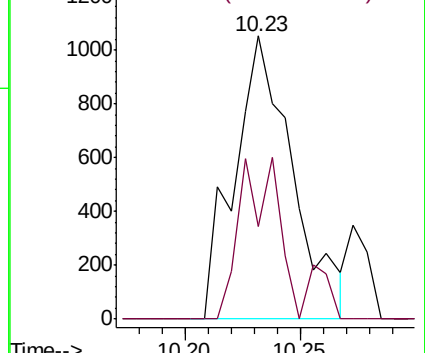
43 100

58 37.0 35.6 53.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 62.497 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067574.D

Acq: 10 Nov 2020 11:17

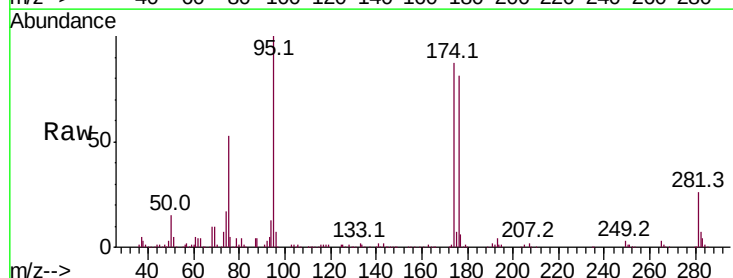
Tgt Ion: 95 Resp: 230134

Ion Ratio Lower Upper

95 100

174 89.3 0.0 177.8

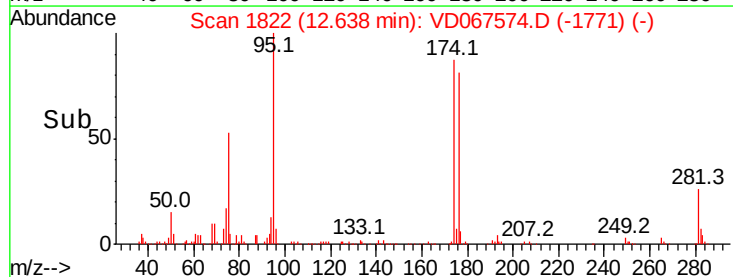
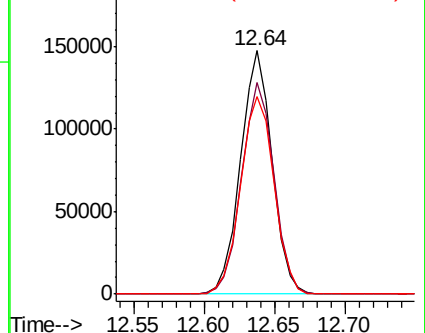
176 86.2 0.0 172.0

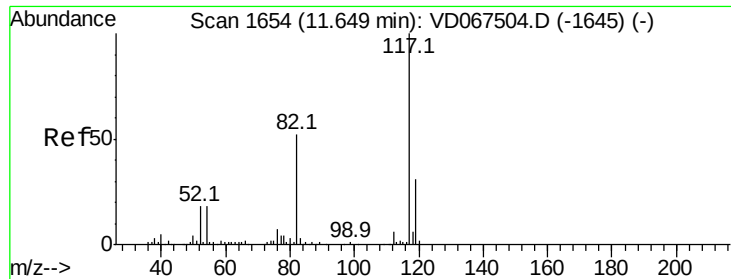


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

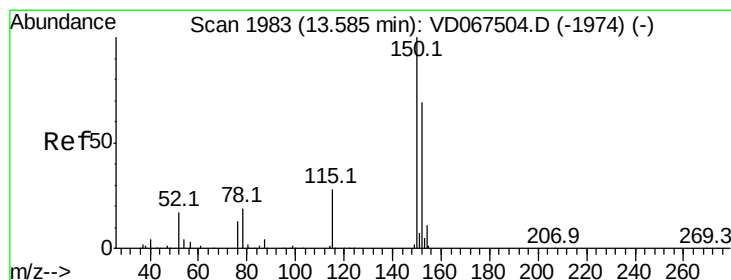
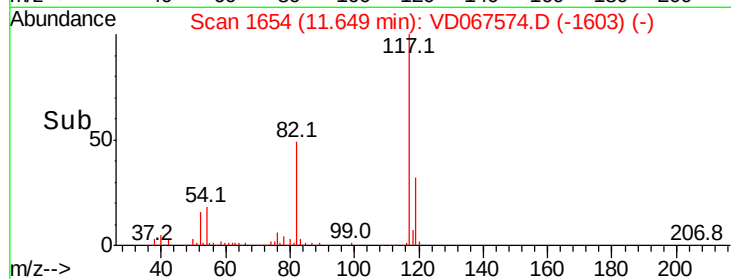
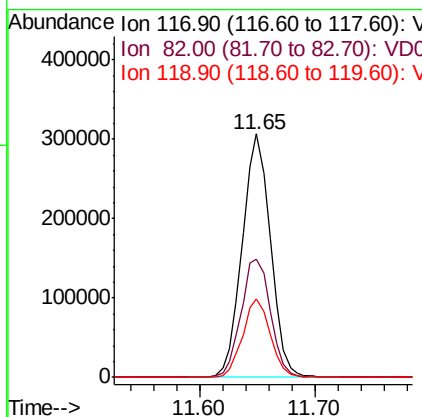
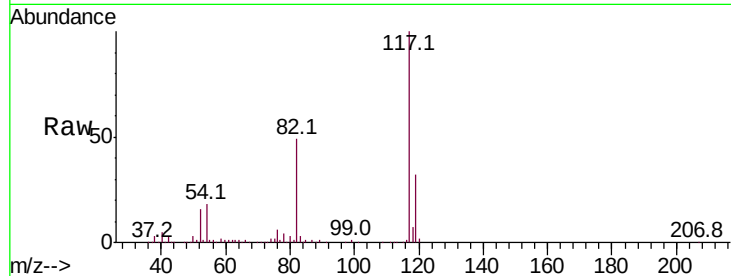




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

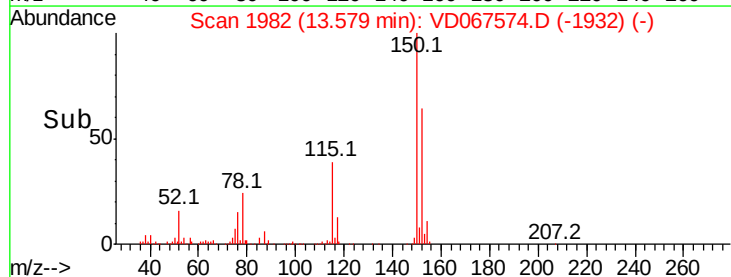
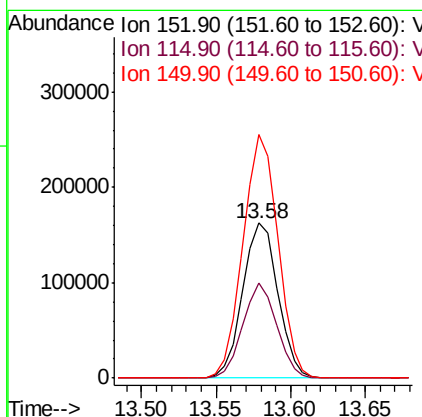
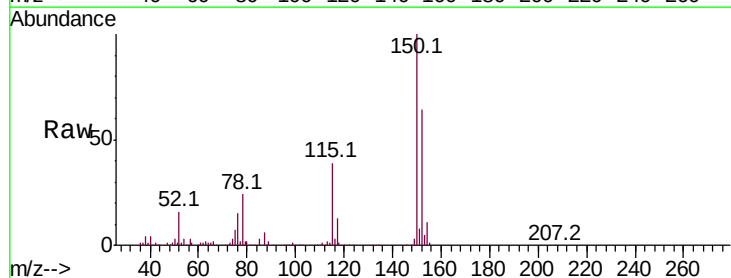
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBL01

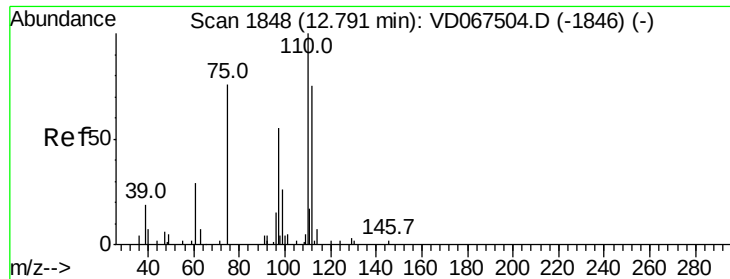
Tot Ion:117 Resp: 524136
Ion Ratio Lower Upper
117 100
82 48.8 41.6 62.4
119 32.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067574.D
Acq: 10 Nov 2020 11:17

Tgt Ion:152 Resp: 265354
Ion Ratio Lower Upper
152 100
115 59.2 29.3 88.0
150 156.5 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 75.852 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067574.D

Acq: 10 Nov 2020 11:17

Instrument :

MSVOA_D

ClientSampleId :

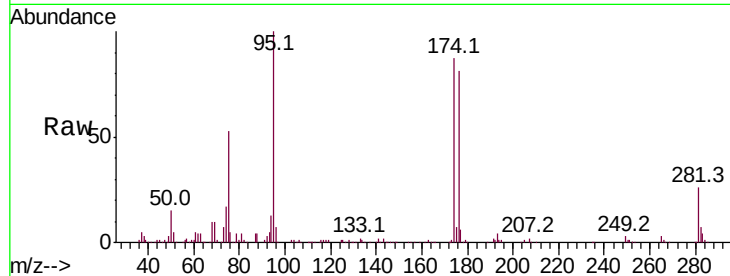
VD1110SBL01

Tot Ion: 75 Resp: 121421

Ion Ratio Lower Upper

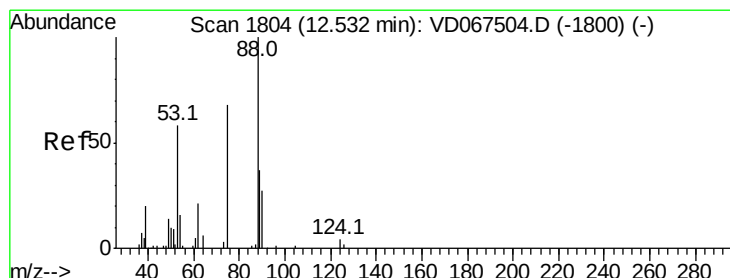
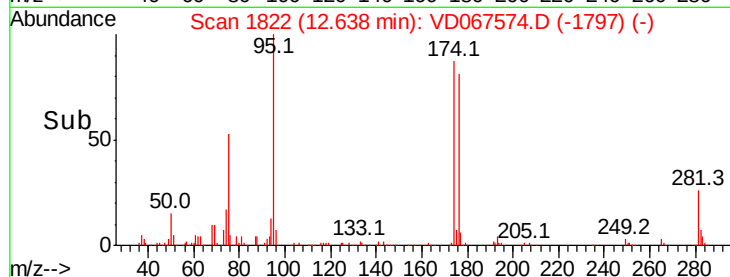
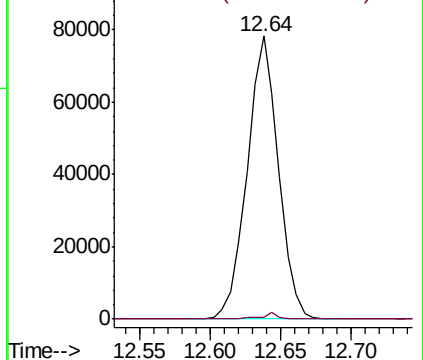
75 100

77 1.3 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: 153.999 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067574.D

Acq: 10 Nov 2020 11:17

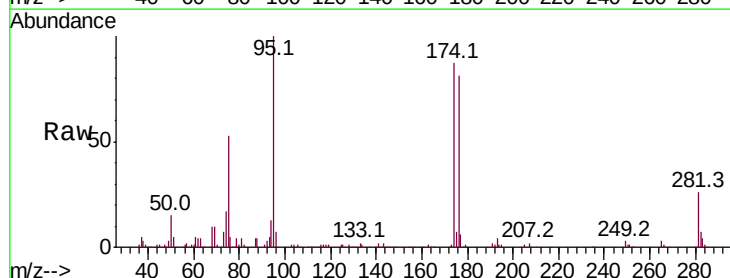
Tgt Ion: 75 Resp: 121421

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.3 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

