

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067631.D
 Acq On : 16 Nov 2020 10:46
 Operator : VA/SY
 Sample : VD1116SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBL01

Quant Time: Nov 17 01:06:17 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	300859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	465388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	487488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	252296	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	141684	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
35) Dibromofluoromethane	7.92	113	143938	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
50) Toluene-d8	10.34	98	543846	55.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.64	95	219411	64.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	129.00%	

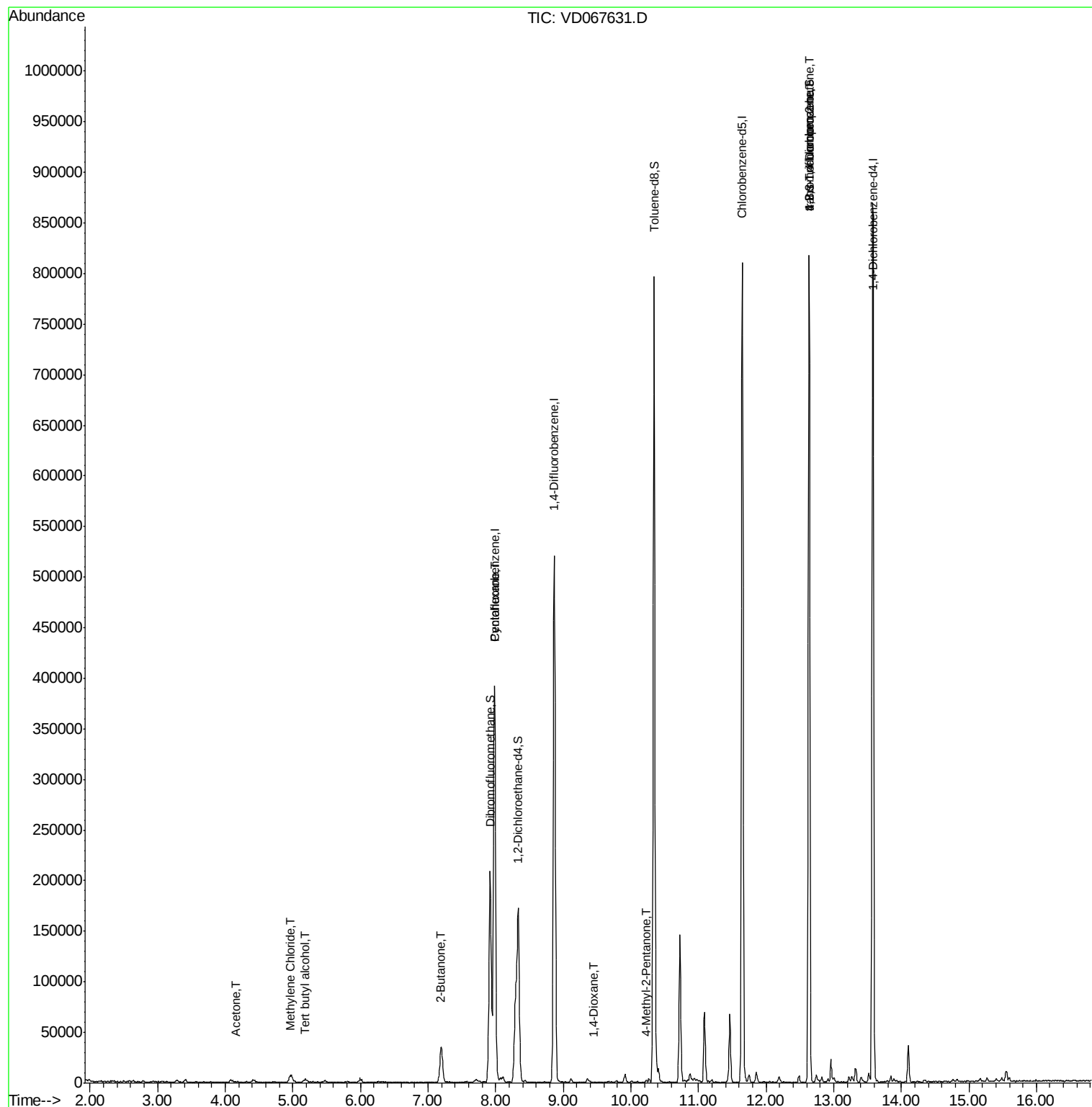
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1318	Below Cal	#	55
11) Tert butyl alcohol	5.18	59	3546	12.053	ug/l #	79
16) Acetone	4.16	43	1764	4.481	ug/l	96
20) Methylene Chloride	4.96	84	7170	2.578	ug/l #	76
25) 2-Butanone	7.20	43	1952	4.641	ug/l #	42
31) Cyclohexane	7.98	56	7380	1.934	ug/l #	29
49) 1,4-Dioxane	9.46	88	53	3.519	ug/l #	31
51) 4-Methyl-2-Pentanone	10.23	43	1598	1.634	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	115686	76.010	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115686	154.320	ug/l #	10

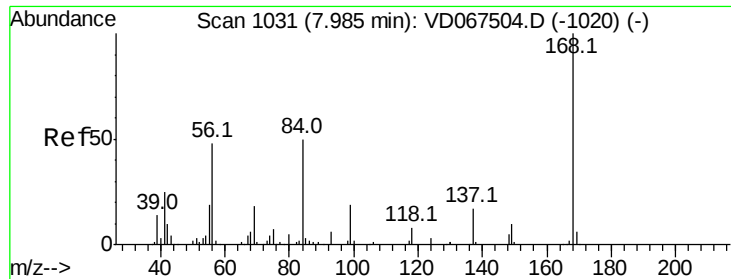
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
Data File : VD067631.D
Acq On : 16 Nov 2020 10:46
Operator : VA/SY
Sample : VD1116SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBL01

Quant Time: Nov 17 01:06:17 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# 1031

Delta R.T. -0.00 min

Lab File: VD067631.D

Acq: 16 Nov 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

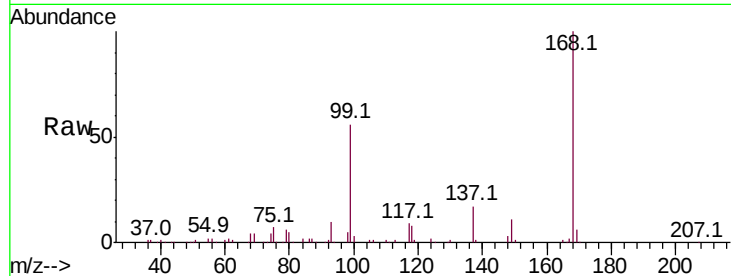
VD1116SBL01

Tot Ion:168 Resp: 300859

Ion Ratio Lower Upper

168 100

99 55.5 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

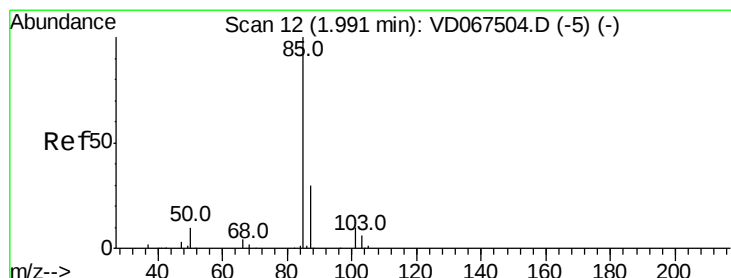
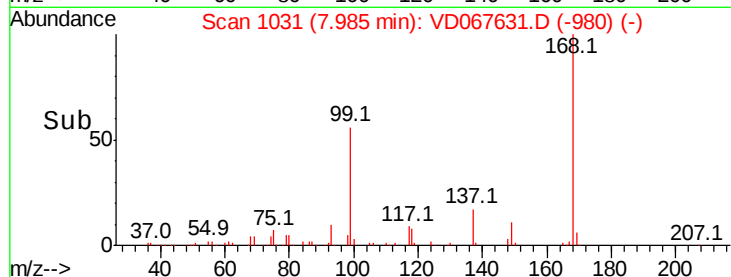
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067631.D

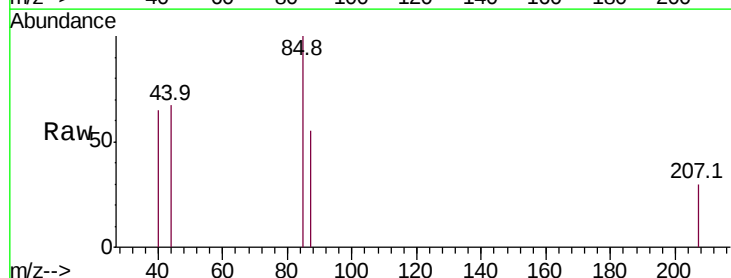
Acq: 16 Nov 2020 10:46

Tgt Ion: 85 Resp: 1318

Ion Ratio Lower Upper

85 100

87 55.2 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

1200

1000

800

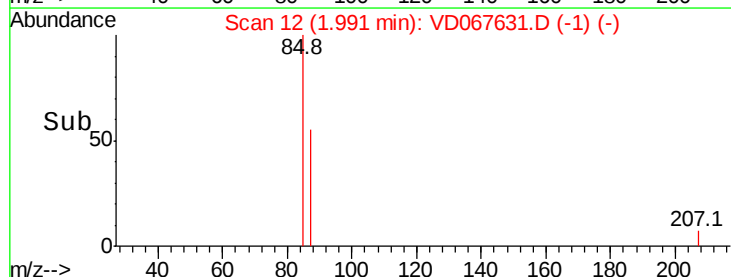
600

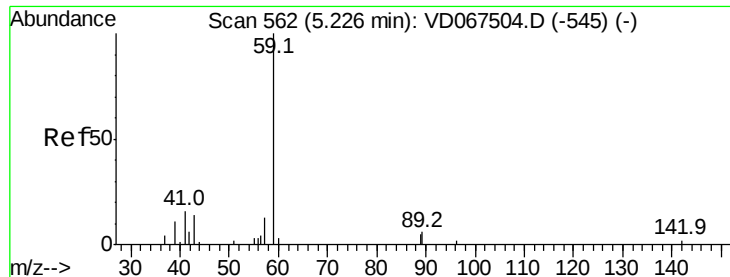
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200

0

Time-->



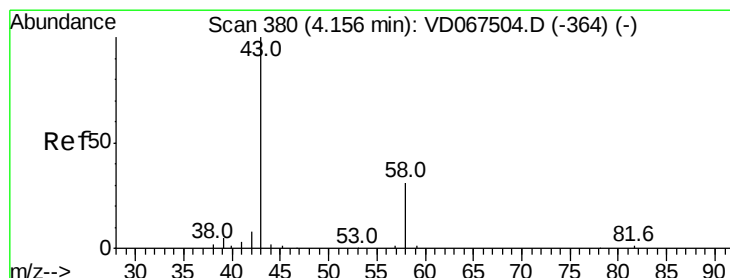
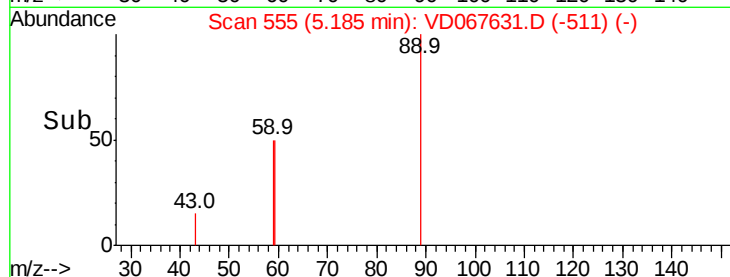
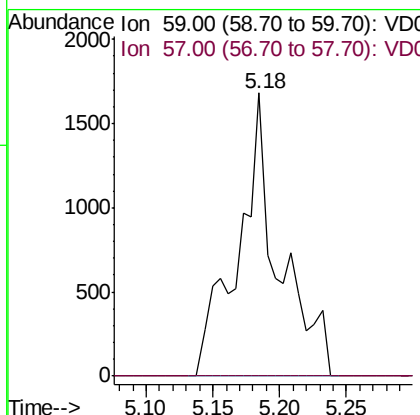
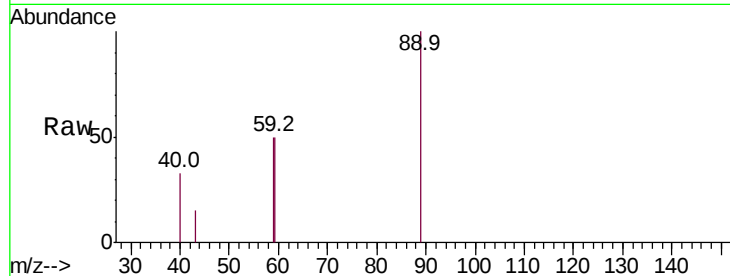


#11

Tert butyl alcohol
 Concen: 12.053 ug/l
 RT: 5.18 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD067631.D
 Acq: 16 Nov 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBL01

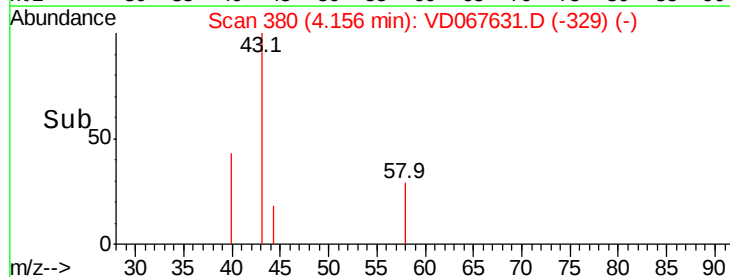
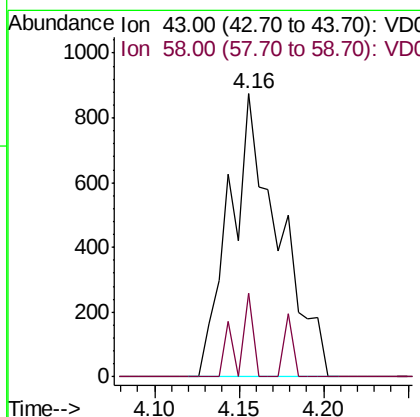
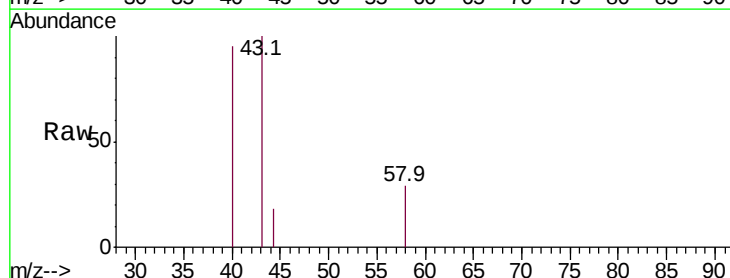
Tot Ion: 59 Resp: 3546
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

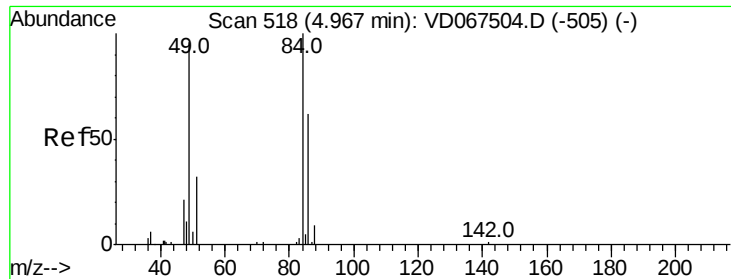


#16

Acetone
 Concen: 4.481 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD067631.D
 Acq: 16 Nov 2020 10:46

Tgt Ion: 43 Resp: 1764
 Ion Ratio Lower Upper
 43 100
 58 29.4 25.2 37.8

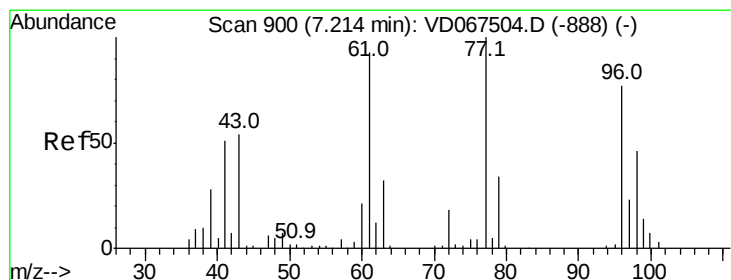
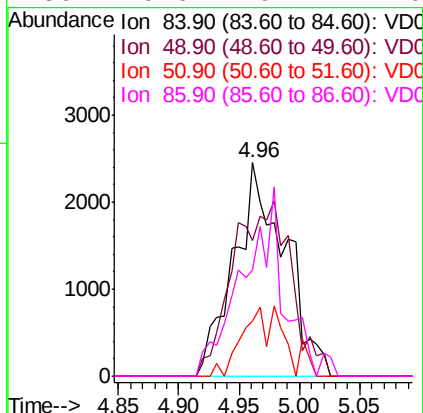
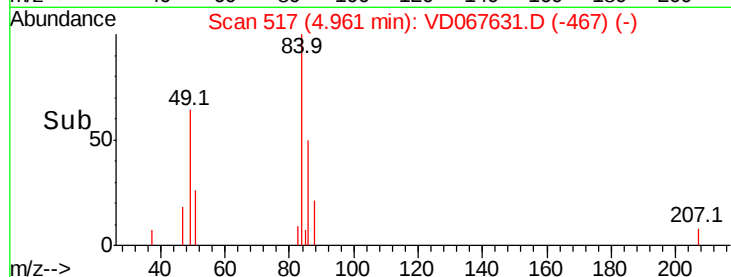
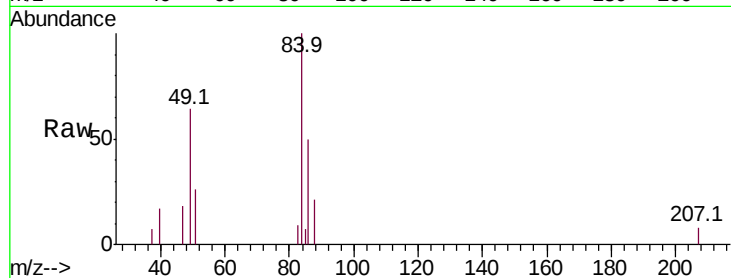




#20
Methvlene Chloride
Concen: 2.578 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

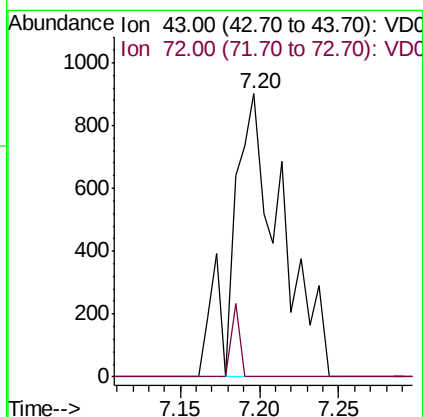
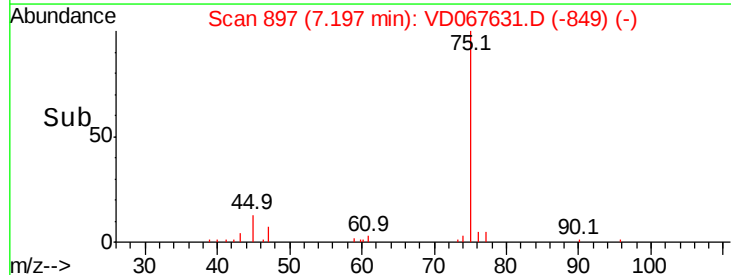
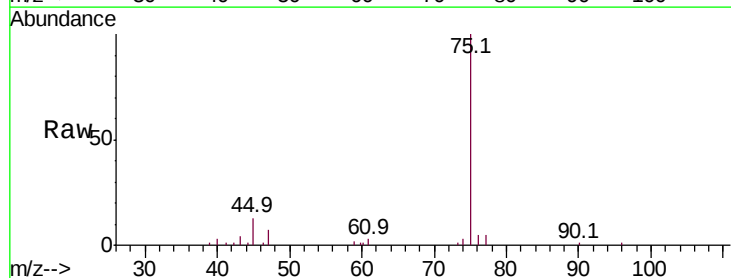
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBL01

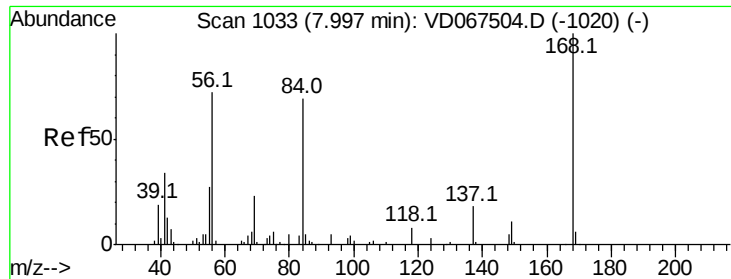
Tot Ion: 84 Resp: 7170
Ion Ratio Lower Upper
84 100
49 63.7 77.0 115.4#
51 25.8 25.4 38.2
86 49.6 49.4 74.0



#25
2-Butanone
Concen: 4.641 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.02 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

Tgt Ion: 43 Resp: 1952
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#

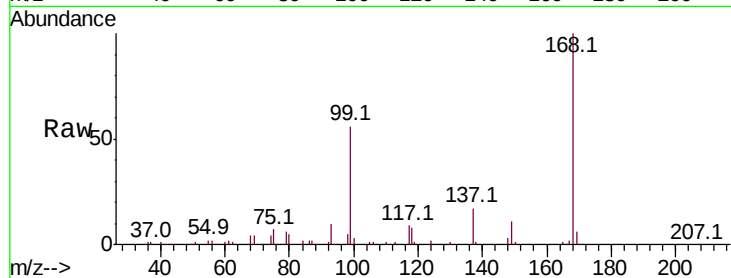




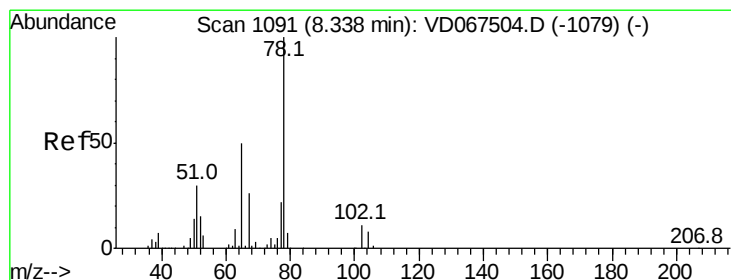
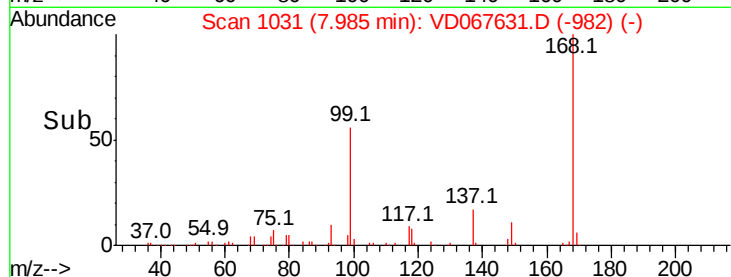
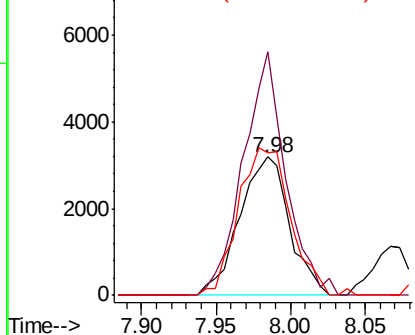
#31
Cyclohexane
Concen: 1.934 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBL01

Tot Ion: 56 Resp: 7380
Ion Ratio Lower Upper
56 100
69 175.7 25.9 38.9#
84 103.2 76.2 114.4

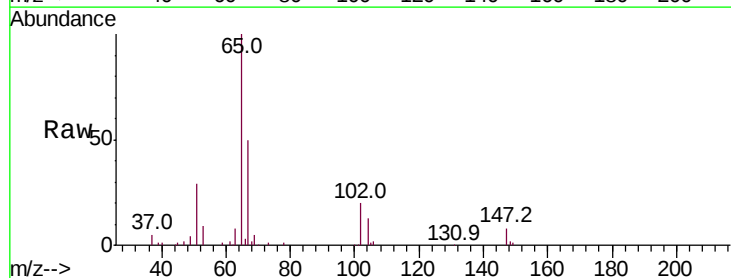


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

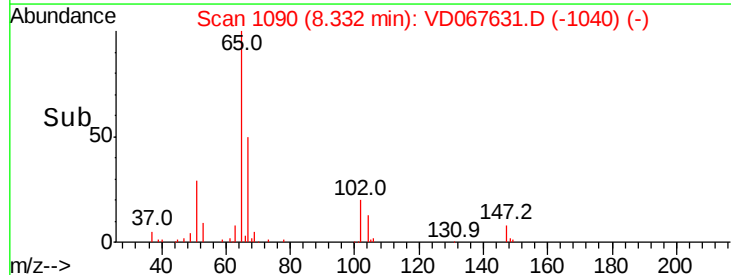
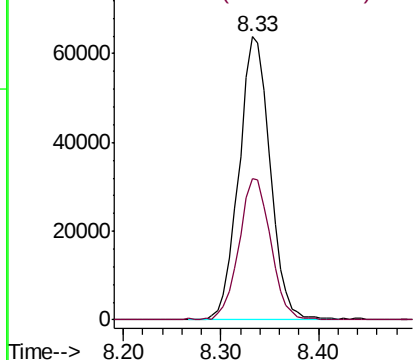


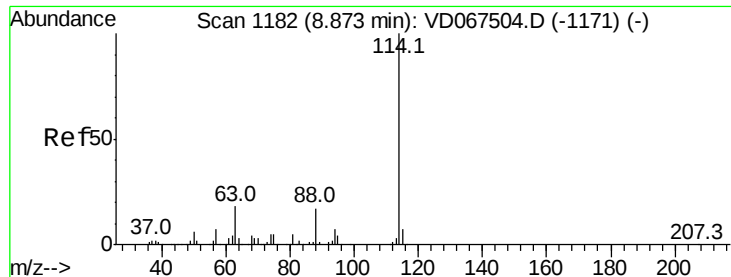
#33
1,2-Dichloroethane-d4
Concen: 53.858 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

Tgt Ion: 65 Resp: 141684
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.4



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

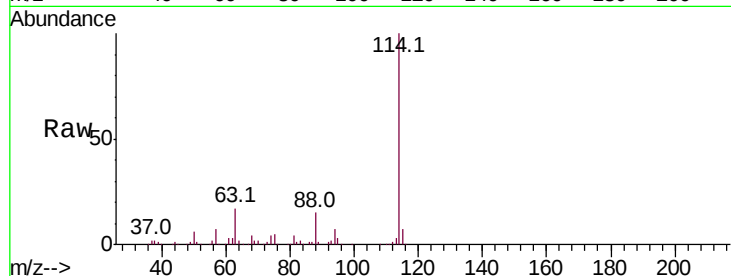




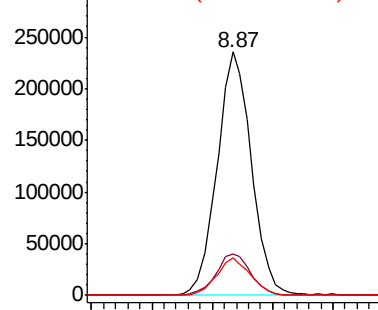
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067631.D
 Acq: 16 Nov 2020 10:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBL01

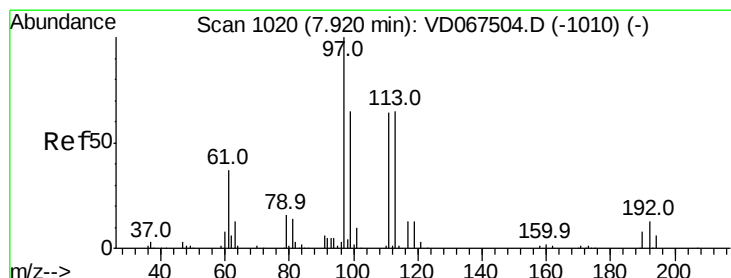
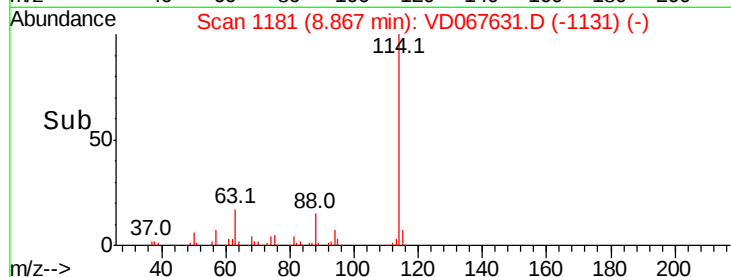
Tot Ion:114 Resp: 465388
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.0
 88 15.2 0.0 33.0



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

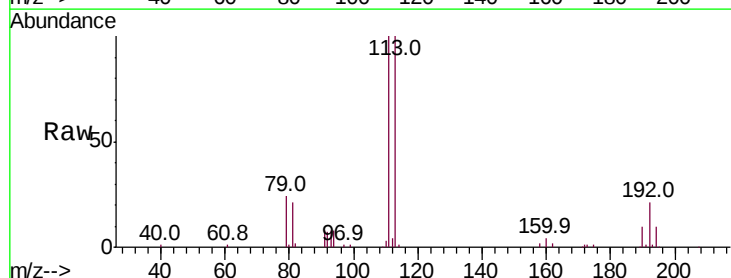


Time--> 8.75 8.80 8.85 8.90 8.95

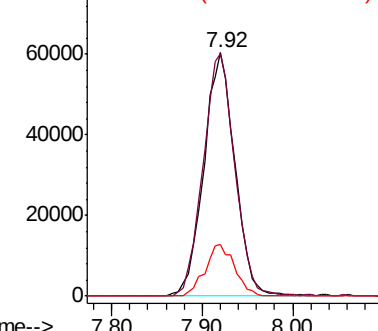


#35
 Dibromofluoromethane
 Concen: 51.334 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067631.D
 Acq: 16 Nov 2020 10:46

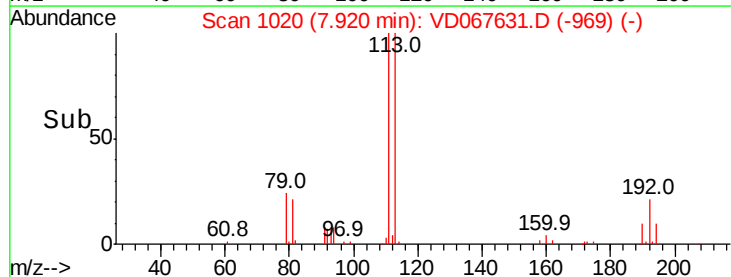
Tgt Ion:113 Resp: 143938
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.0 120.0
 192 20.4 16.3 24.5

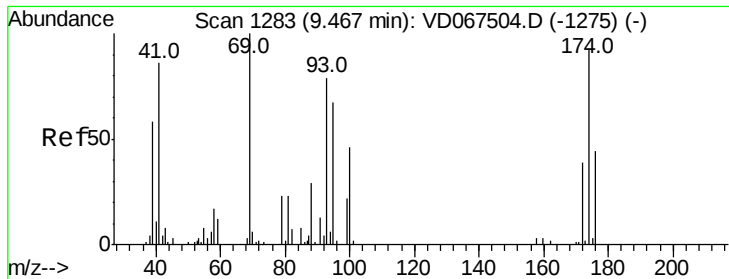


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time--> 7.80 7.90 8.00

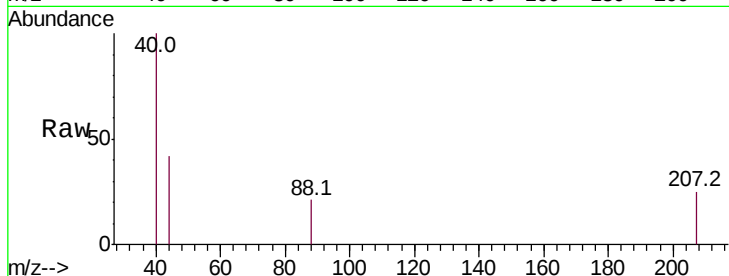




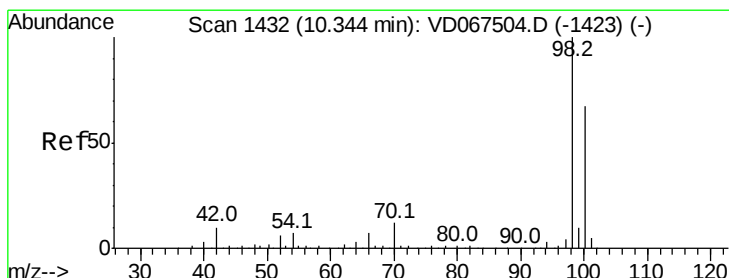
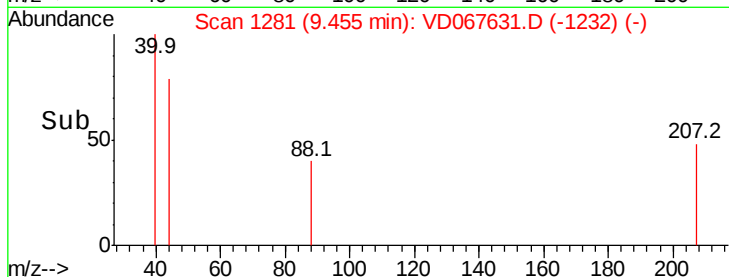
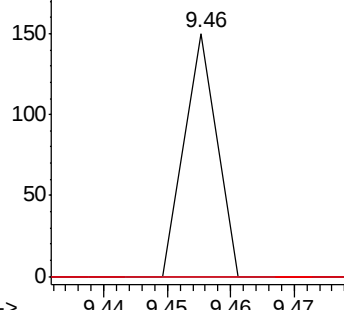
#49
1,4-Dioxane
Concen: 3.519 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBL01

Tot Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 23.6 35.4#
58 0.0 44.7 67.1#

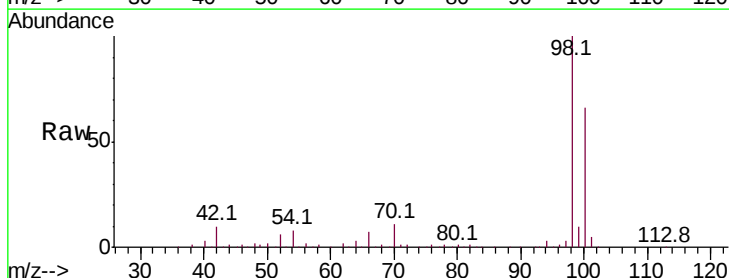


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

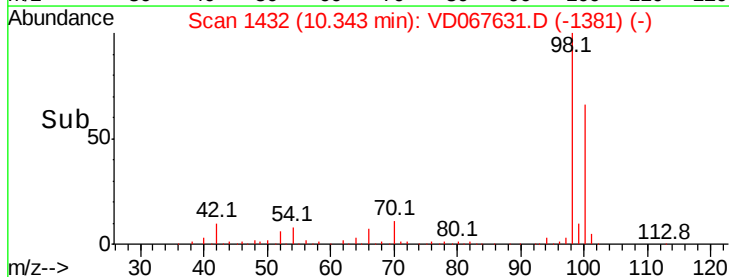
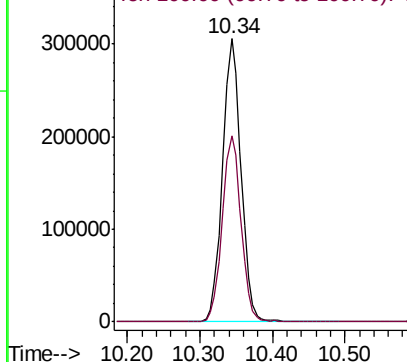


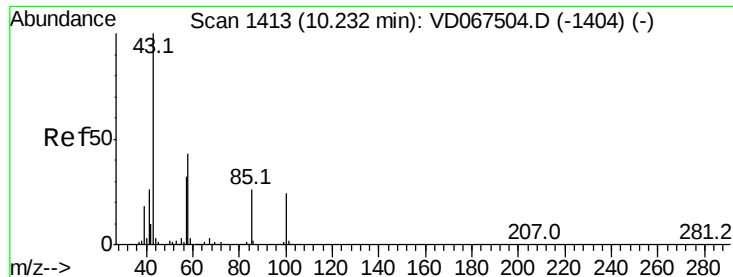
#50
Toluene-d8
Concen: 55.192 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

Tgt Ion: 98 Resp: 543846
Ion Ratio Lower Upper
98 100
100 66.6 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: 1.634 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD067631.D

Acq: 16 Nov 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

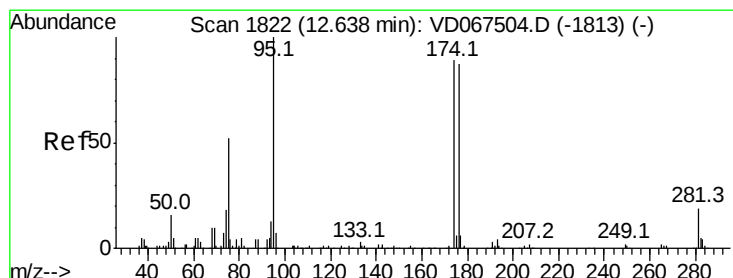
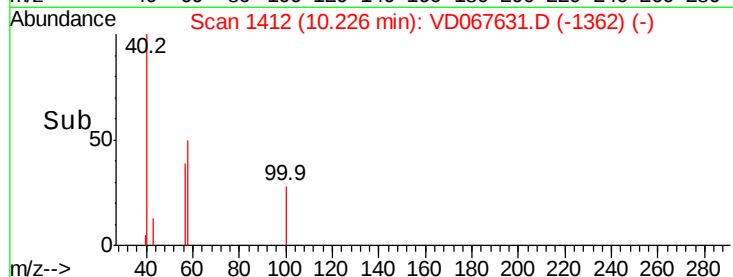
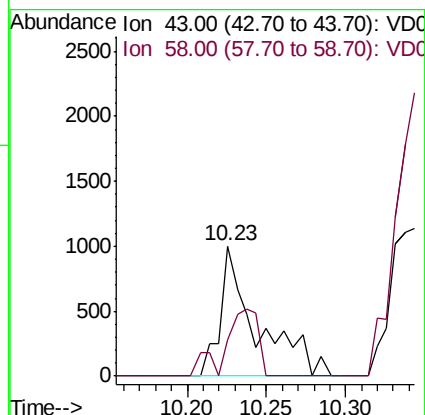
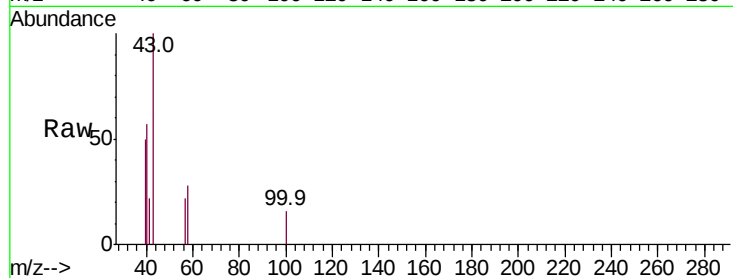
VD1116SBL01

Tot Ion: 43 Resp: 1598

Ion Ratio Lower Upper

43 100

58 47.0 35.6 53.4



#62

4-Bromofluorobenzene

Concen: 64.495 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067631.D

Acq: 16 Nov 2020 10:46

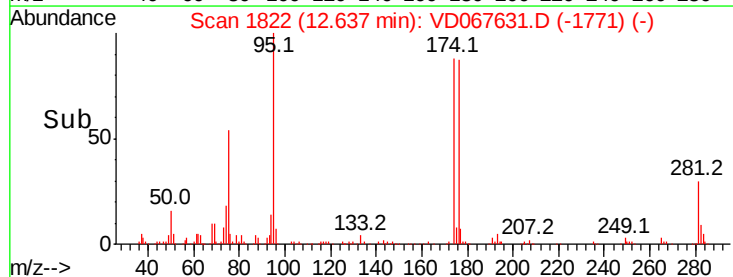
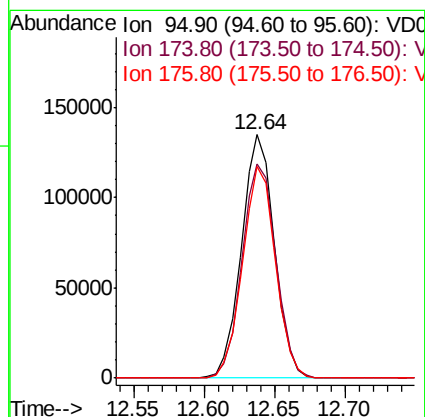
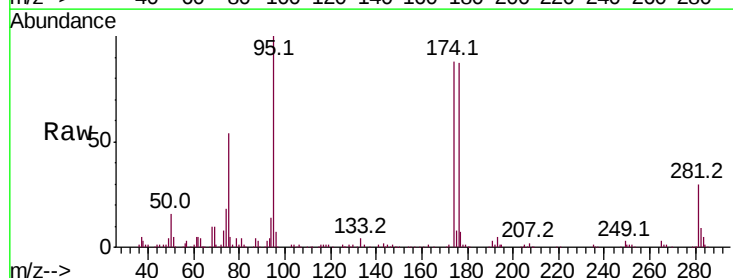
Tgt Ion: 95 Resp: 219411

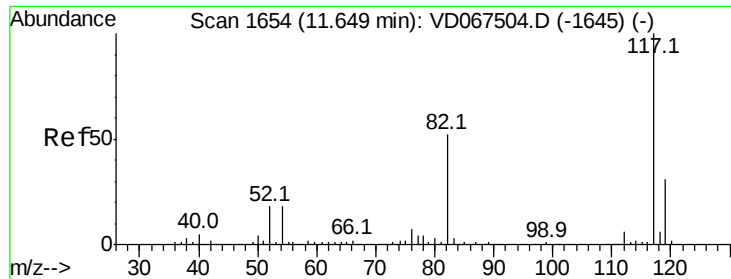
Ion Ratio Lower Upper

95 100

174 91.1 0.0 177.8

176 87.2 0.0 172.0

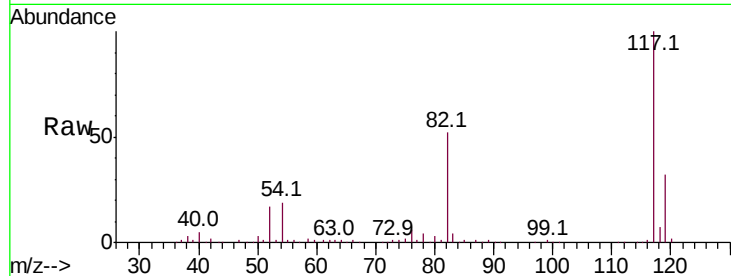




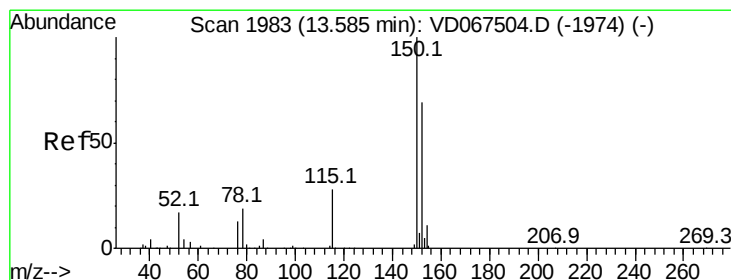
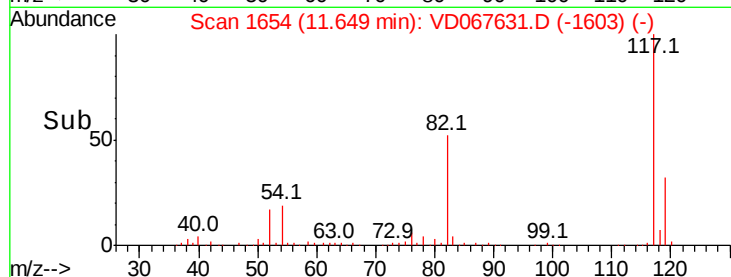
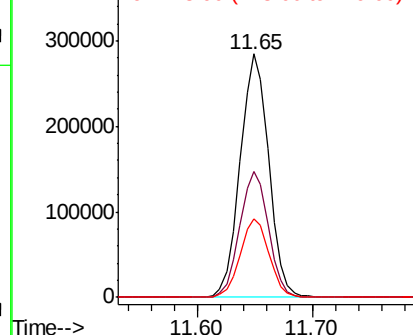
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBL01

Tot Ion:117 Resp: 487488
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 32.1 25.1 37.7

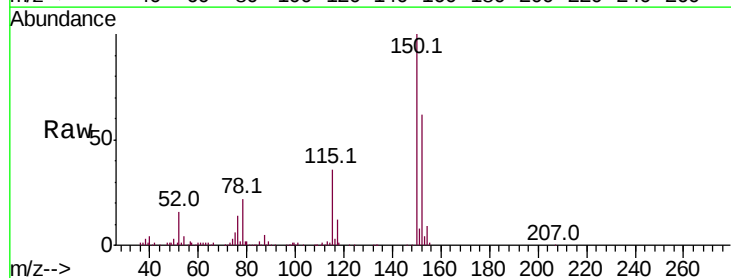


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

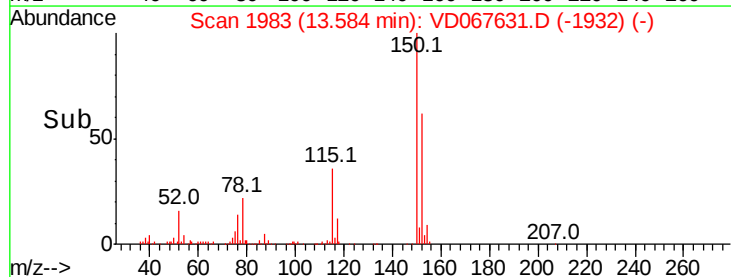
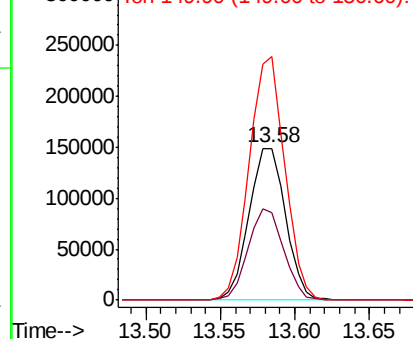


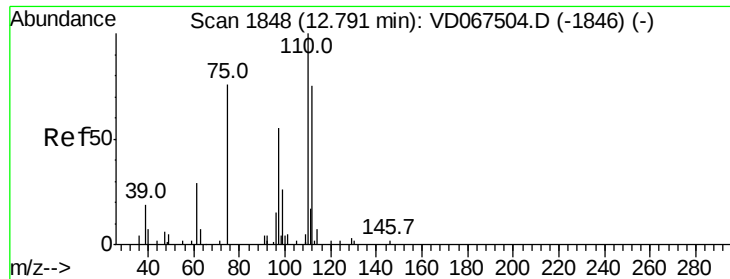
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067631.D
Acq: 16 Nov 2020 10:46

Tgt Ion:152 Resp: 252296
Ion Ratio Lower Upper
152 100
115 58.4 29.3 88.0
150 155.9 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: 76.010 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067631.D

Acq: 16 Nov 2020 10:46

Instrument :

MSVOA_D

ClientSampleId :

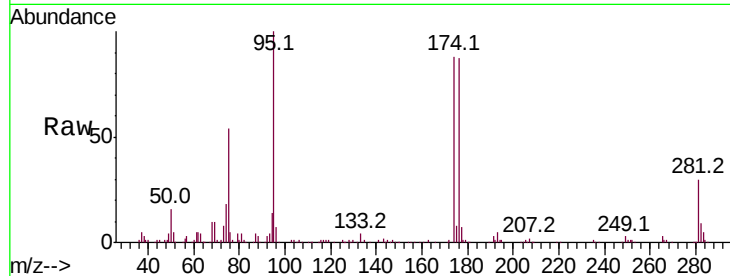
VD1116SBL01

Tot Ion: 75 Resp: 115686

Ion Ratio Lower Upper

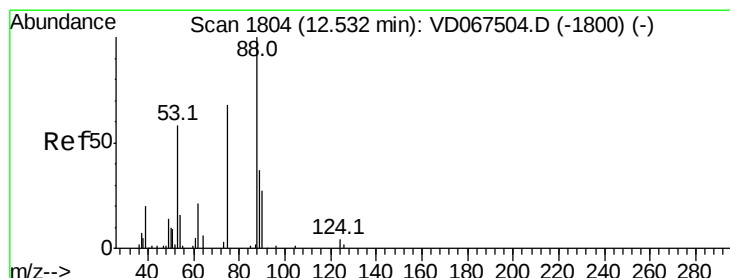
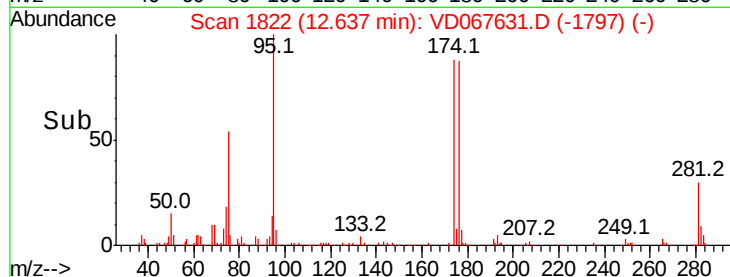
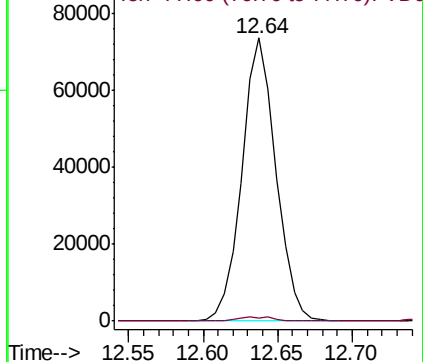
75 100

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: 154.320 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067631.D

Acq: 16 Nov 2020 10:46

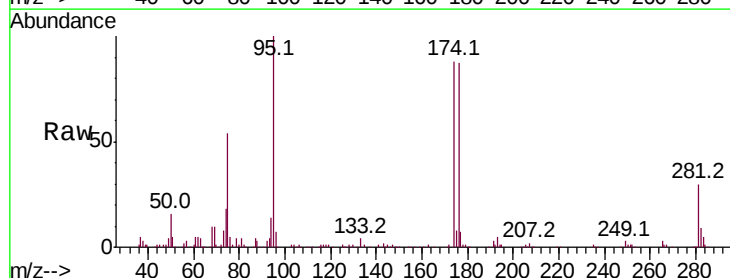
Tgt Ion: 75 Resp: 115686

Ion Ratio Lower Upper

75 100

53 0.0 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

