

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067462.D
 Acq On : 30 Oct 2020 10:17
 Operator : VA/SY
 Sample : VD1030SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBL01

Quant Time: Oct 30 12:08:05 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	337205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	540057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271406	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	168276	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	7.92	113	171199	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	10.34	98	640693	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.64	95	230092	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

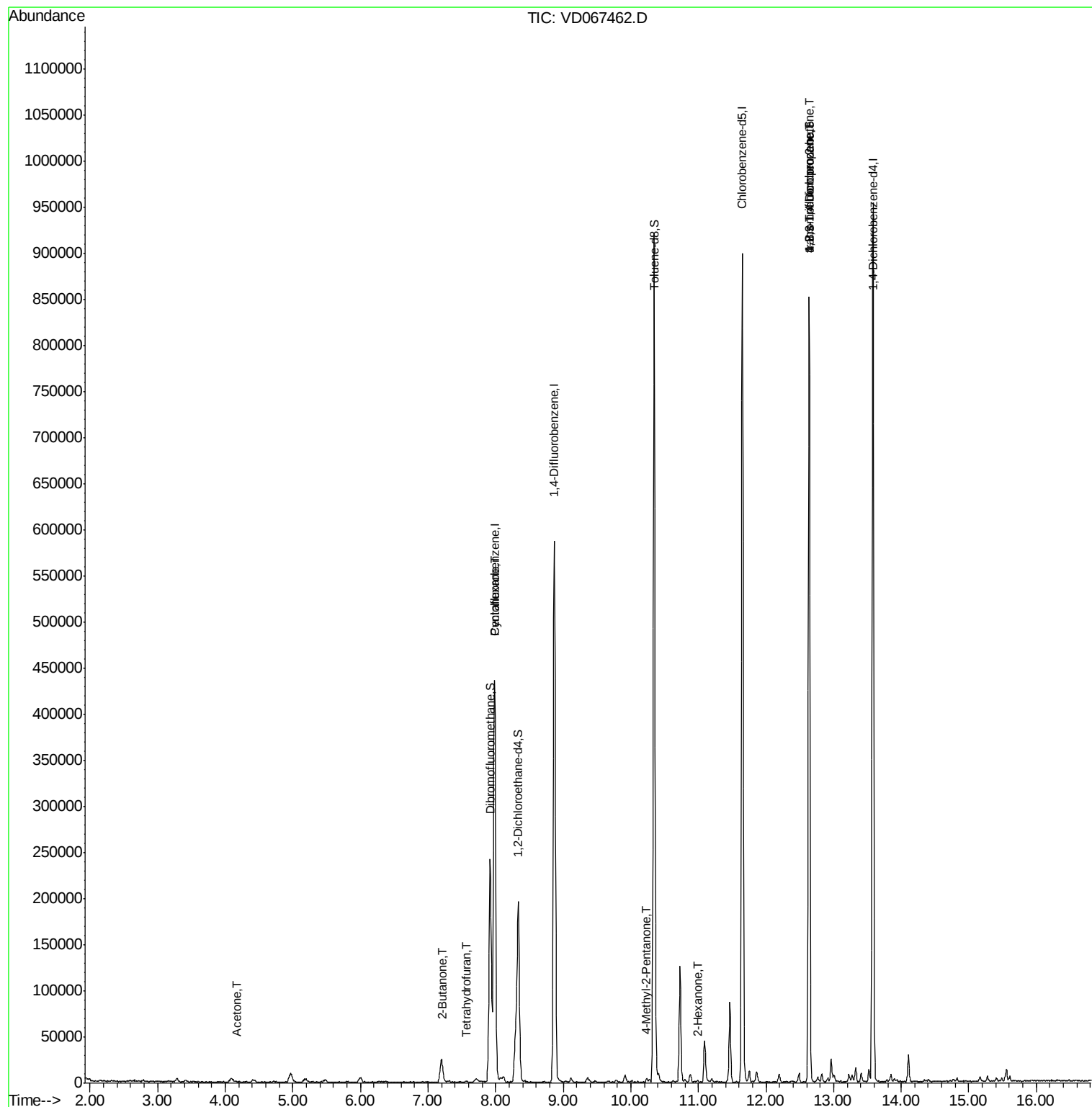
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1670	Below Cal		99
5) Bromomethane	2.79	94	1121	Below Cal	#	46
11) Tert butyl alcohol	5.25	59	177	Below Cal	#	81
16) Acetone	4.17	43	2130	4.502	ug/l #	84
20) Methylene Chloride	4.96	84	8557	Below Cal	#	90
25) 2-Butanone	7.21	43	1956	3.627	ug/l #	45
29) Tetrahydrofuran	7.57	42	606	2.021	ug/l #	37
31) Cyclohexane	7.98	56	8237	2.117	ug/l #	33
49) 1,4-Dioxane	9.47	88	181	Below Cal	#	27
51) 4-Methyl-2-Pentanone	10.23	43	2401	1.824	ug/l	92
59) 2-Hexanone	11.00	43	1373	1.527	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	122979	65.376	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	122979	148.254	ug/l #	10

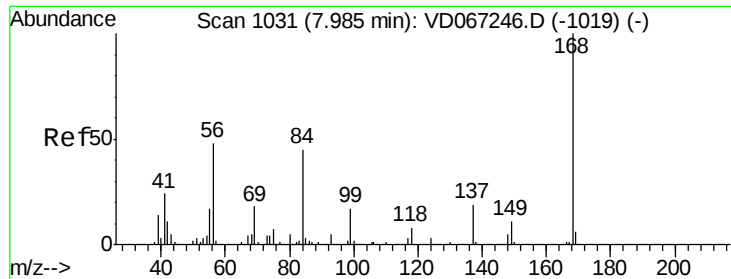
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103020\
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Quant Time: Oct 30 12:08:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
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: VD067462.D

Acq: 30 Oct 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

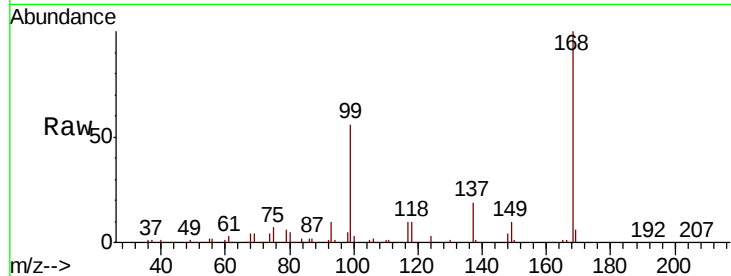
VD1030SBL01

Tot Ion:168 Resp: 337205

Ion Ratio Lower Upper

168 100

99 55.3 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

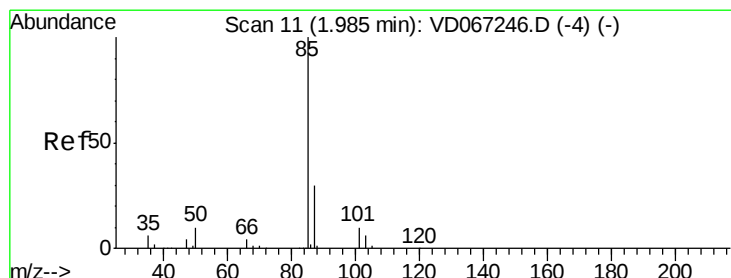
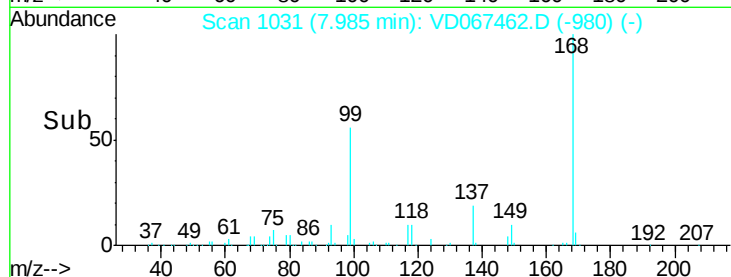
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067462.D

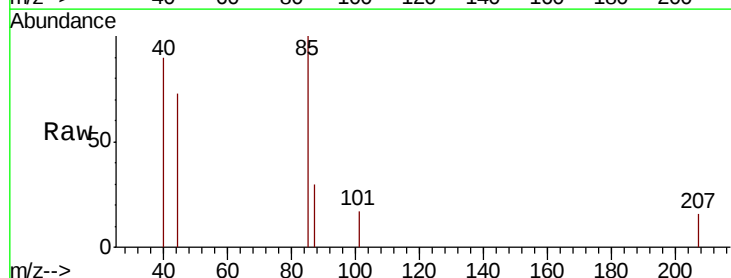
Acq: 30 Oct 2020 10:17

Tgt Ion: 85 Resp: 1670

Ion Ratio Lower Upper

85 100

87 29.6 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

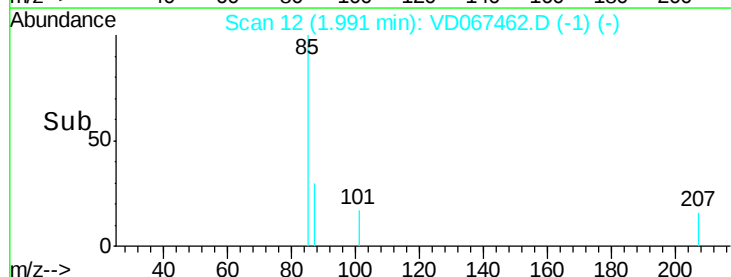
1500

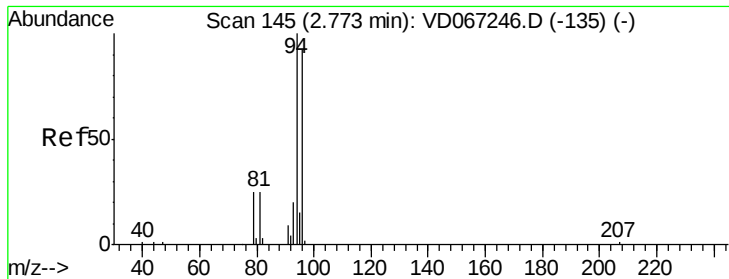
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067462.D

Acq: 30 Oct 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

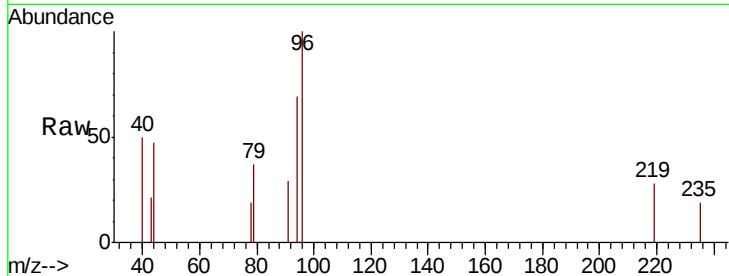
VD1030SBL01

Tot Ion: 94 Resp: 1121

Ion Ratio Lower Upper

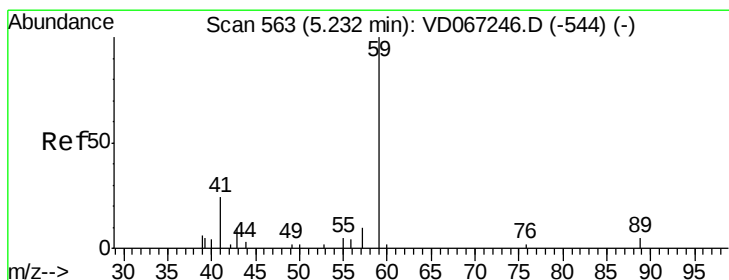
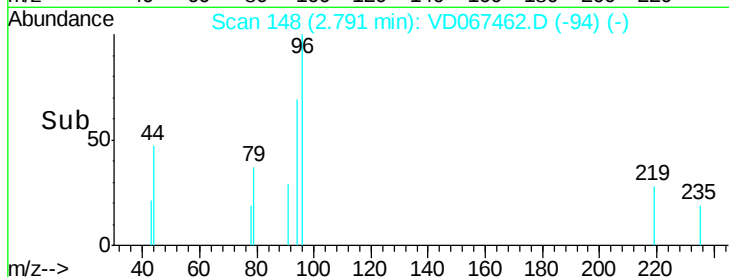
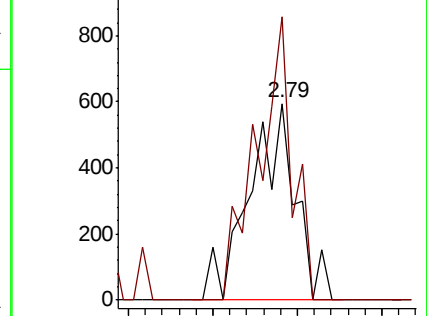
94 100

96 144.0 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: 5.25 min Scan# 566

Delta R.T. 0.02 min

Lab File: VD067462.D

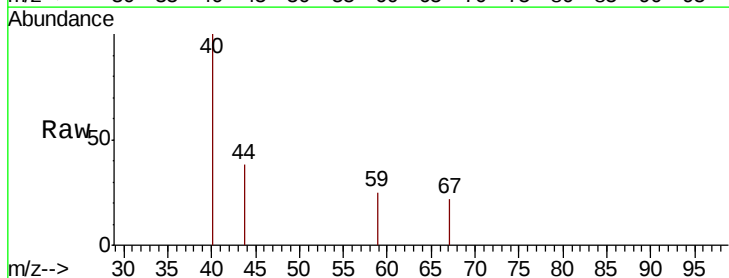
Acq: 30 Oct 2020 10:17

Tgt Ion: 59 Resp: 177

Ion Ratio Lower Upper

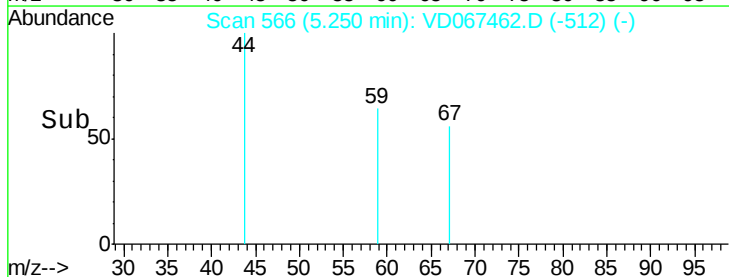
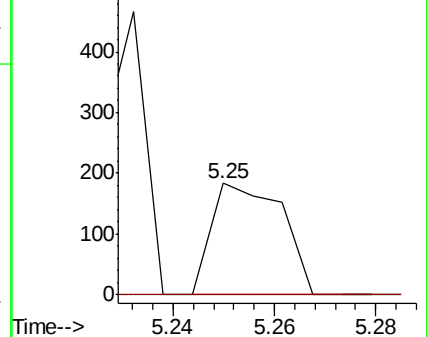
59 100

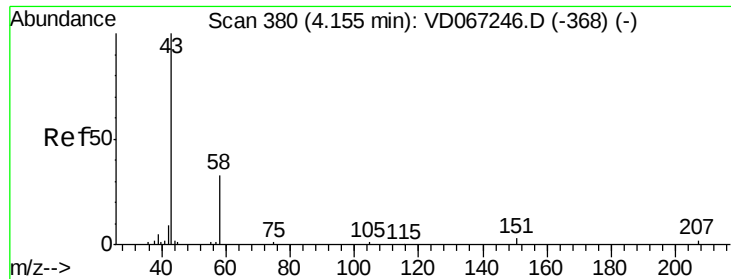
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

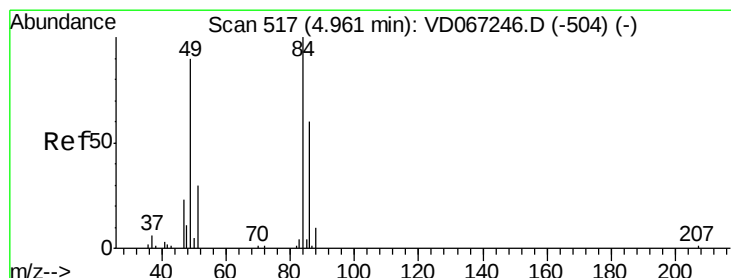
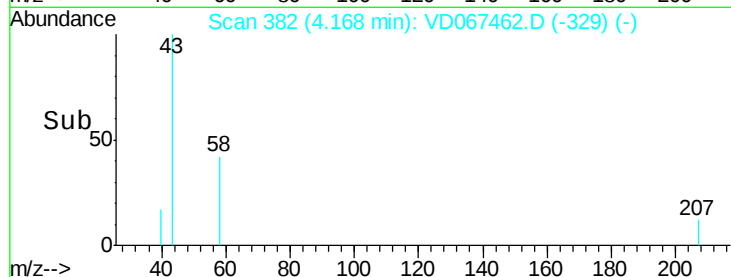
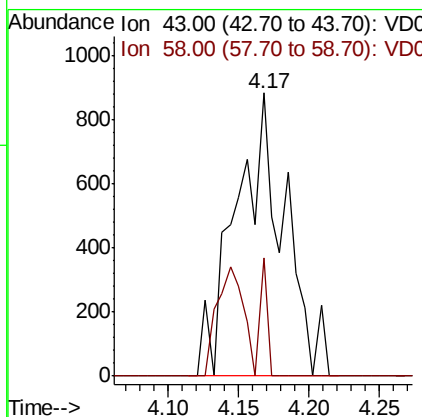
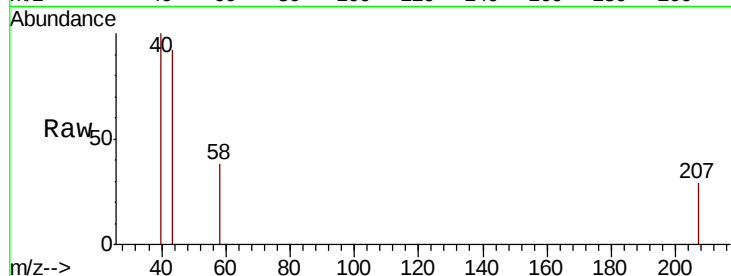




#16
Acetone
Concen: 4.502 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

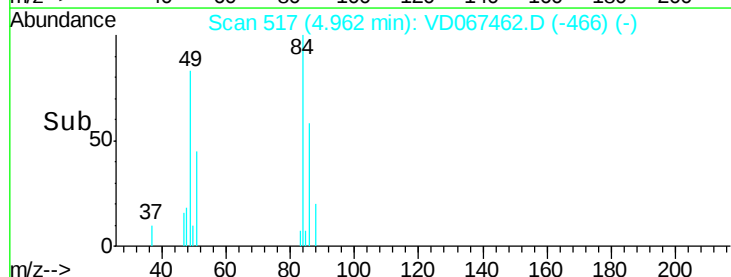
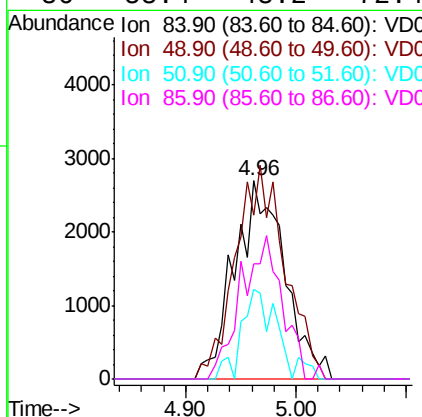
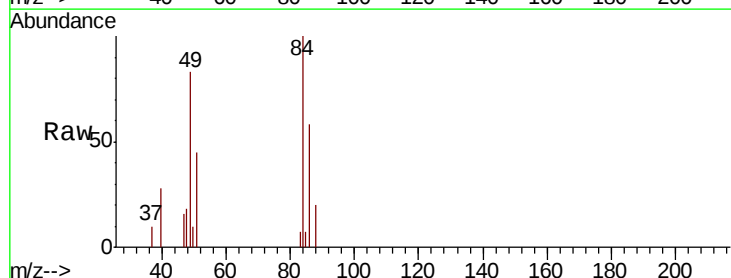
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBL01

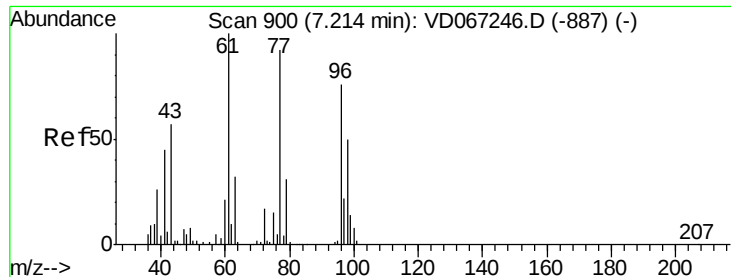
Tot Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
58 41.7 26.1 39.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

Tgt Ion: 84 Resp: 8557
Ion Ratio Lower Upper
84 100
49 82.5 72.2 108.2
51 45.0 23.8 35.8#
86 58.4 48.2 72.4





#25

2-Butanone

Concen: 3.627 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067462.D

Acq: 30 Oct 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

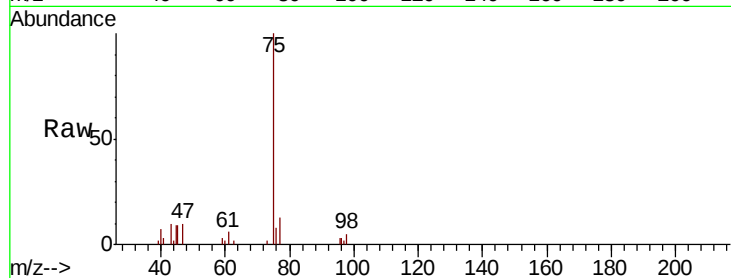
VD1030SBL01

Tot Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

800

600

400

200

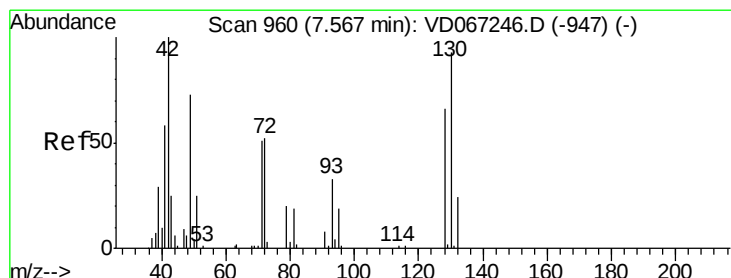
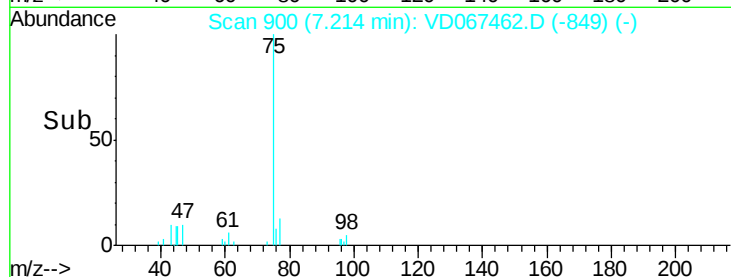
0

7.15

7.20

7.25

Time-->



#29

Tetrahydrofuran

Concen: 2.021 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067462.D

Acq: 30 Oct 2020 10:17

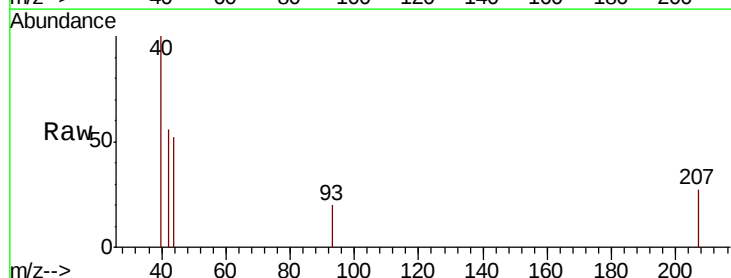
Tgt Ion: 42 Resp: 606

Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

71 15.2 39.4 59.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

600

500

400

300

200

100

0

7.52

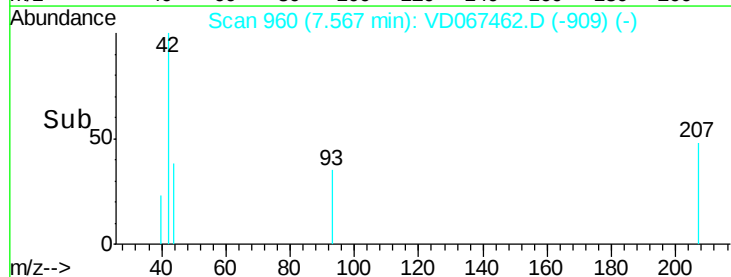
7.54

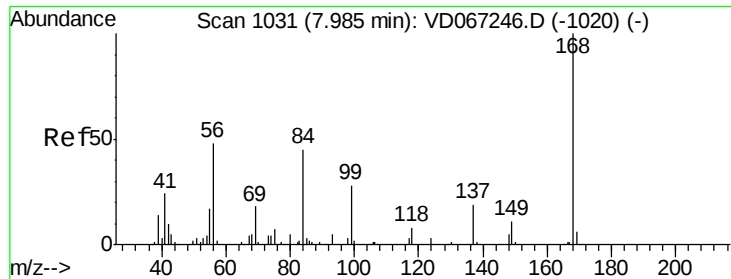
7.56

7.58

7.60

Time-->

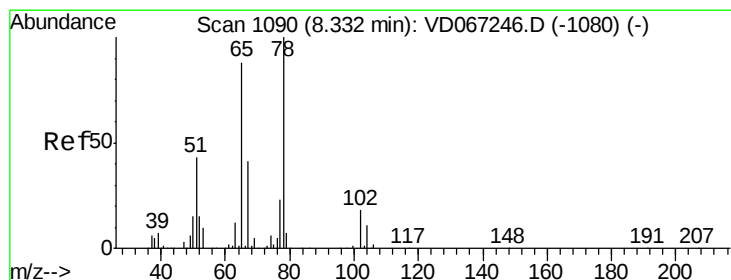
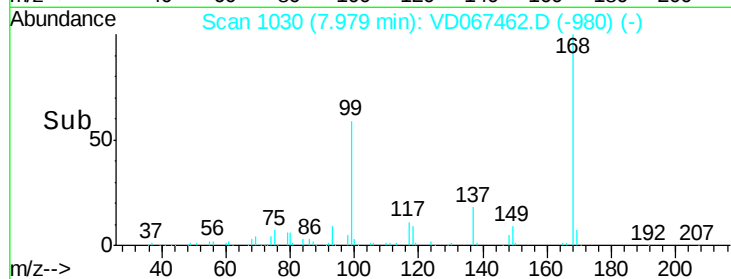
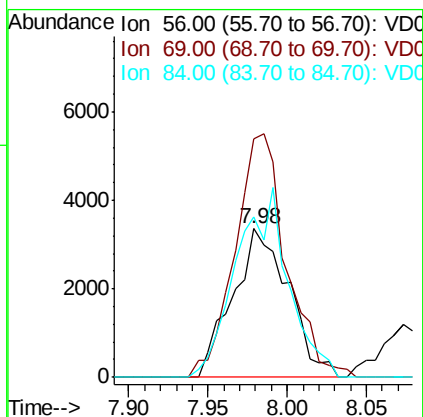
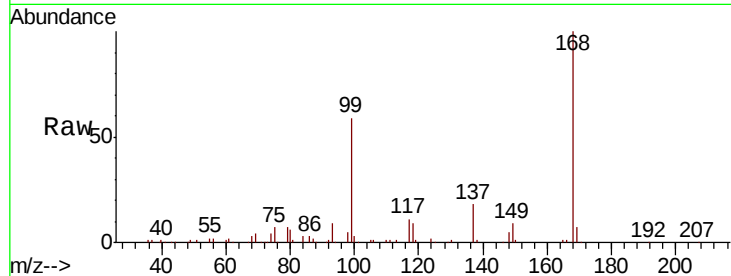




#31
Cyclohexane
Concen: 2.117 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

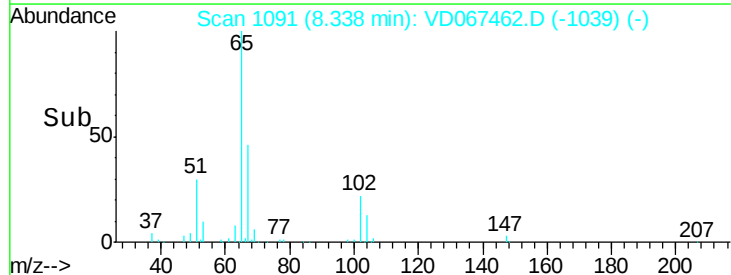
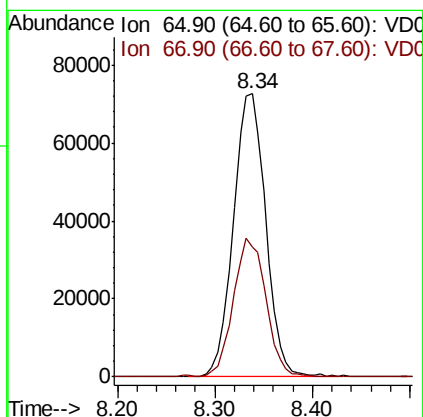
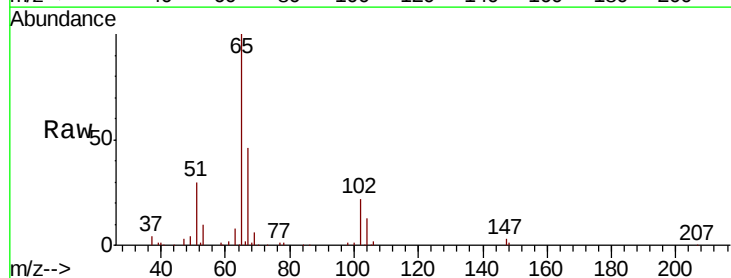
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBL01

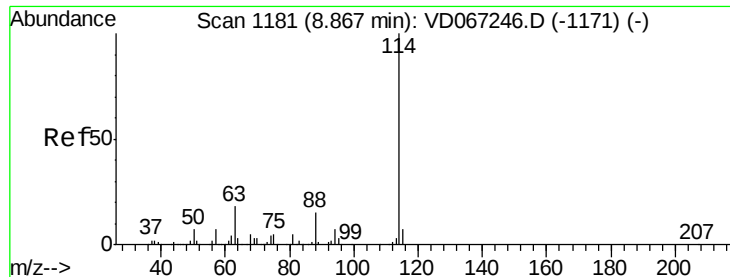
Tot Ion: 56 Resp: 8237
Ion Ratio Lower Upper
56 100
69 160.9 29.8 44.6#
84 108.5 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 49.811 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

Tgt Ion: 65 Resp: 168276
Ion Ratio Lower Upper
65 100
67 49.3 0.0 103.8

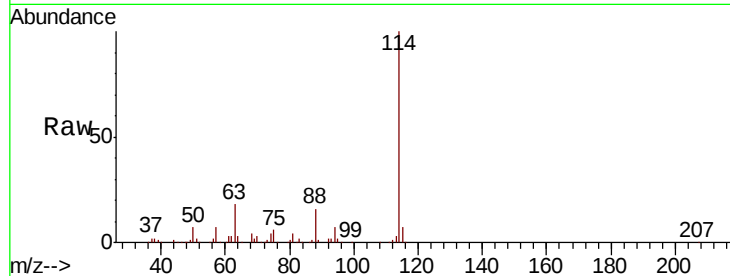




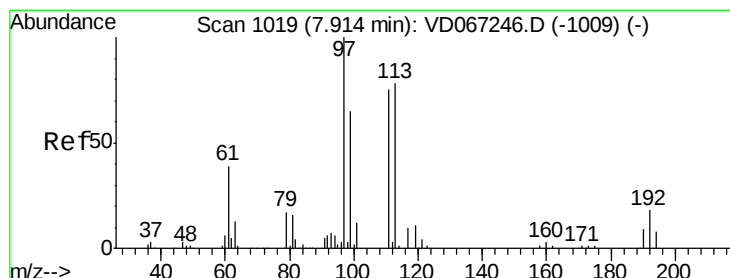
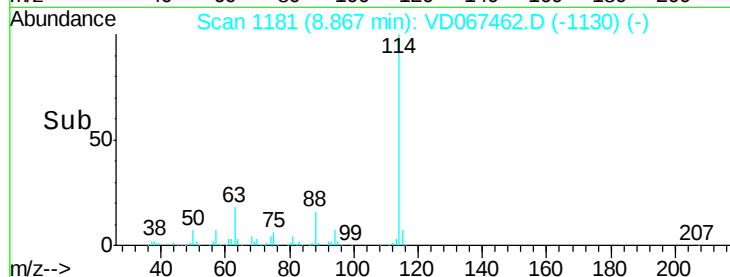
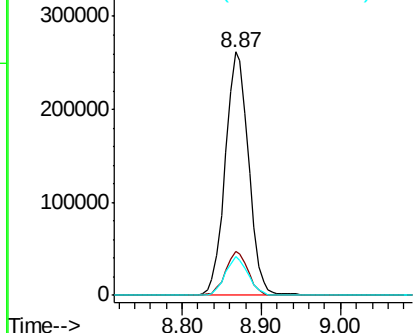
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067462.D
 Acq: 30 Oct 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.0
88	16.0	0.0	30.6

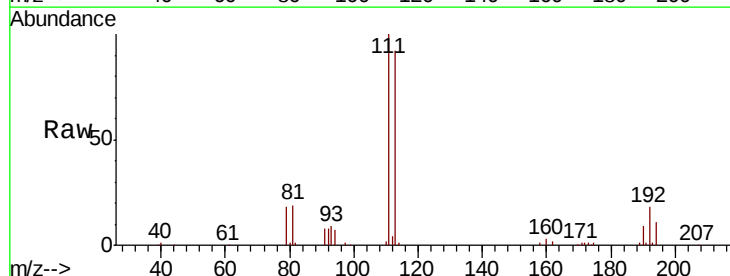


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

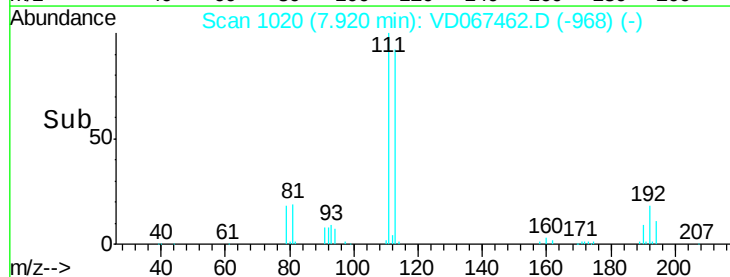
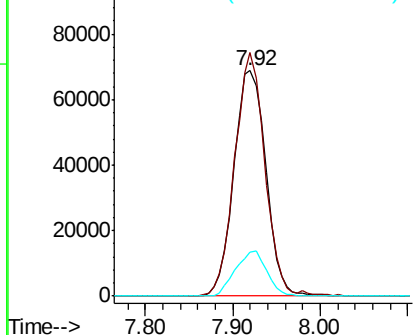


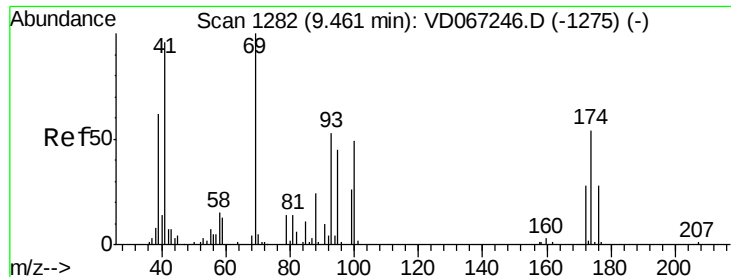
#35
 Dibromofluoromethane
 Concen: 48.244 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067462.D
 Acq: 30 Oct 2020 10:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.6	122.4
192	19.7	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

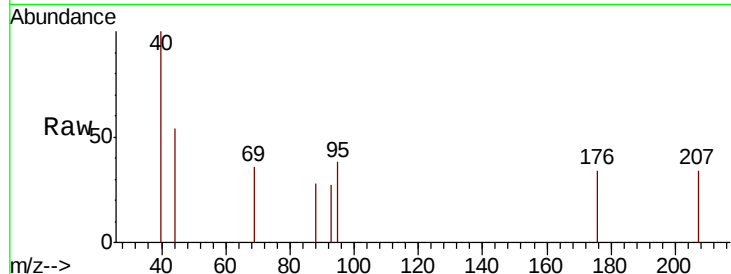




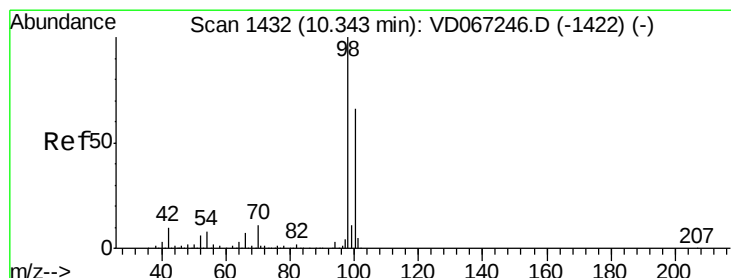
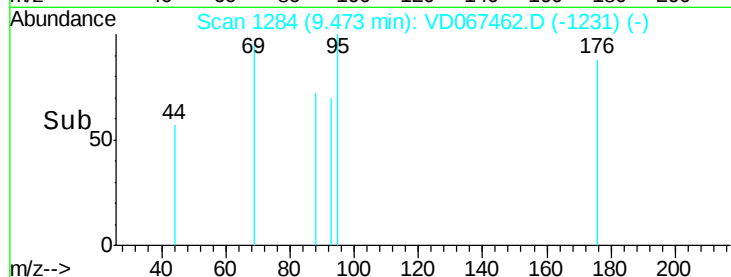
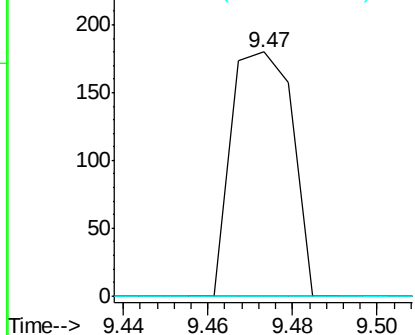
#49
1,4-Dioxane
Concen: Below Cal
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBL01

Tot Ion: 88 Resp: 181
Ion Ratio Lower Upper
88 100
43 0.0 23.9 35.9#
58 0.0 51.0 76.6#

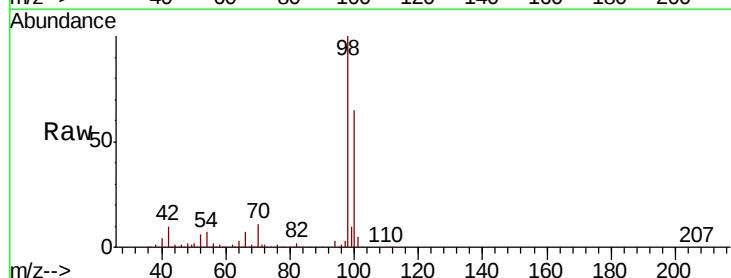


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

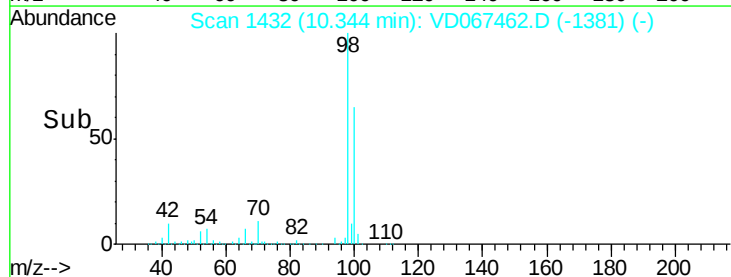
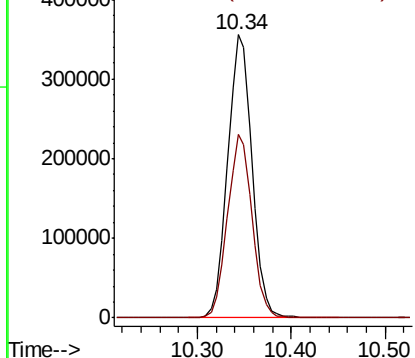


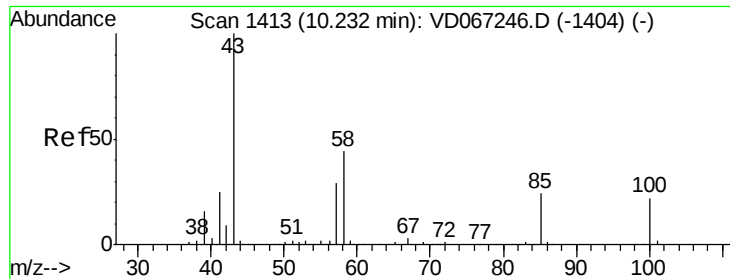
#50
Toluene-d8
Concen: 49.890 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

Tgt Ion: 98 Resp: 640693
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



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: 1.824 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067462.D

Acq: 30 Oct 2020 10:17

Instrument :

MSVOA_D

ClientSampleID :

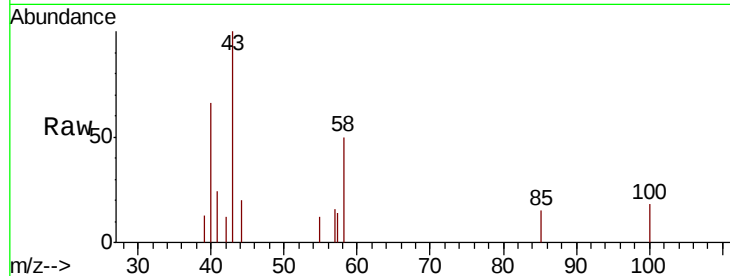
VD1030SBL01

Tot Ion: 43 Resp: 2401

Ion Ratio Lower Upper

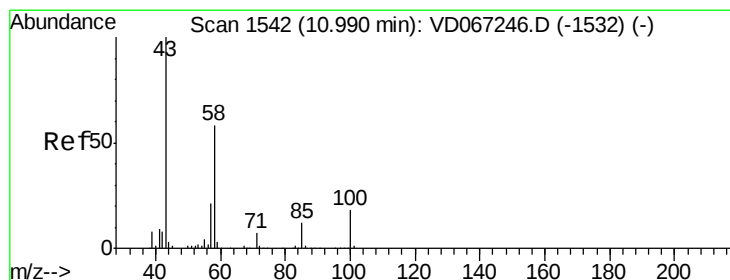
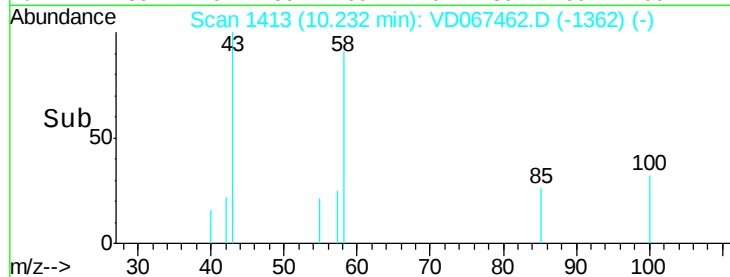
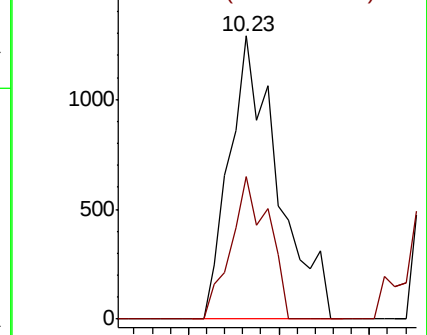
43 100

58 39.2 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#59

2-Hexanone

Concen: 1.527 ug/l

RT: 11.00 min Scan# 1543

Delta R.T. 0.01 min

Lab File: VD067462.D

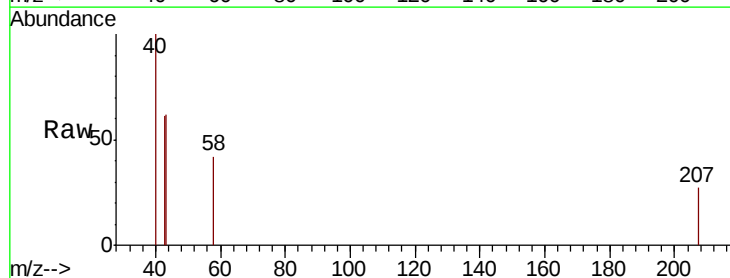
Acq: 30 Oct 2020 10:17

Tgt Ion: 43 Resp: 1373

Ion Ratio Lower Upper

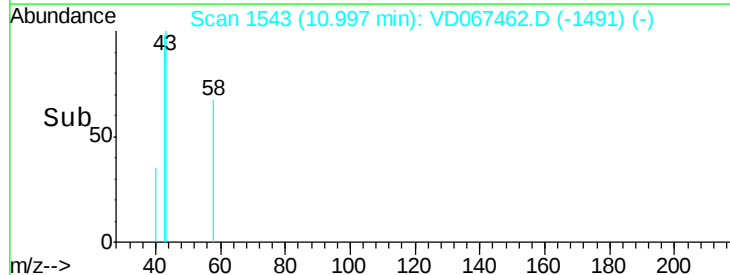
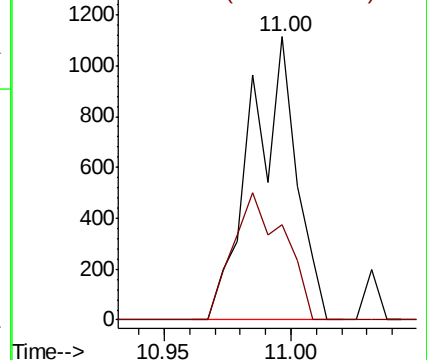
43 100

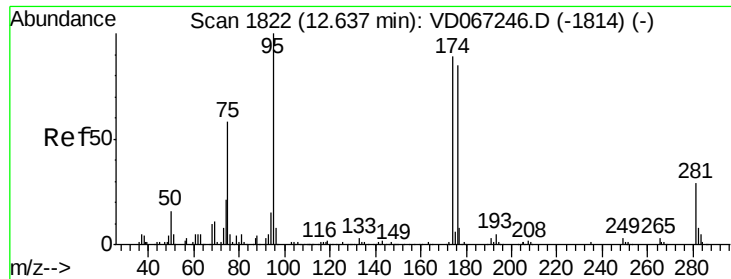
58 50.8 29.3 87.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

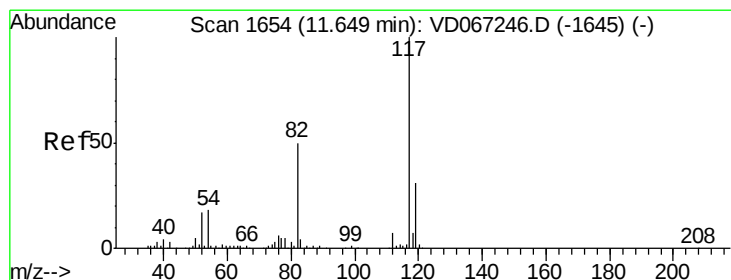
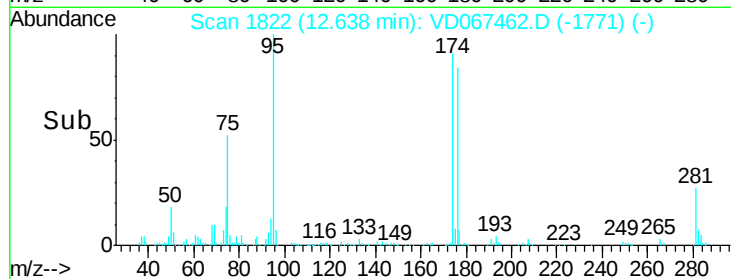
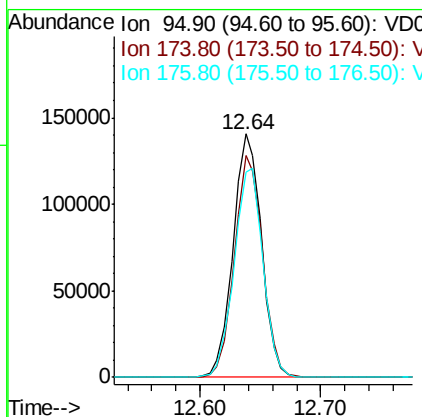
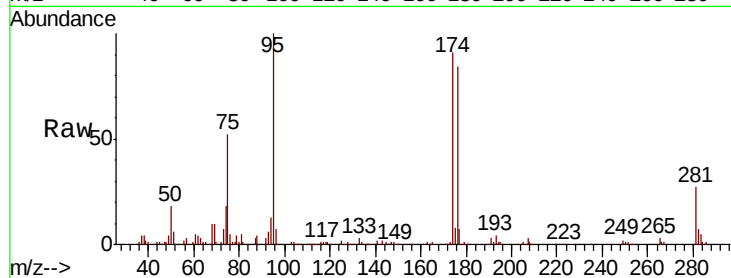




#62
4-Bromofluorobenzene
Concen: 51.527 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

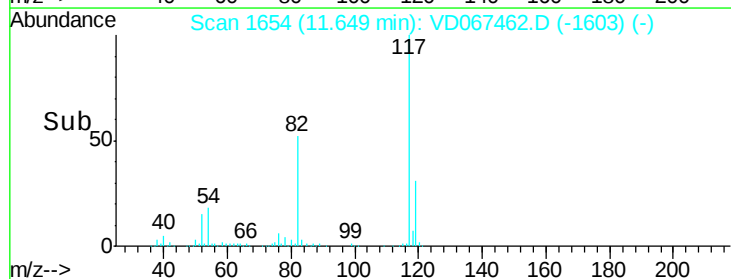
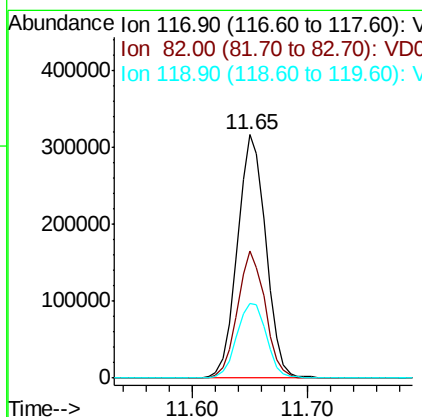
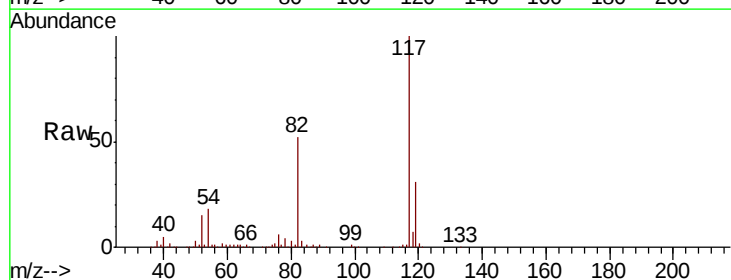
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBL01

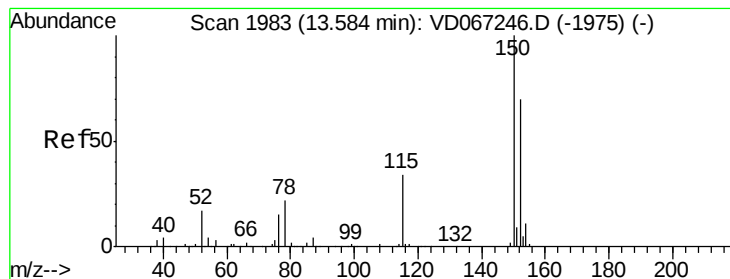
Tot Ion: 95 Resp: 230092
Ion Ratio Lower Upper
95 100
174 90.3 0.0 175.2
176 87.4 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067462.D
Acq: 30 Oct 2020 10:17

Tgt Ion: 117 Resp: 540057
Ion Ratio Lower Upper
117 100
82 52.3 39.9 59.9
119 30.8 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: VD067462.D

Acq: 30 Oct 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBL01

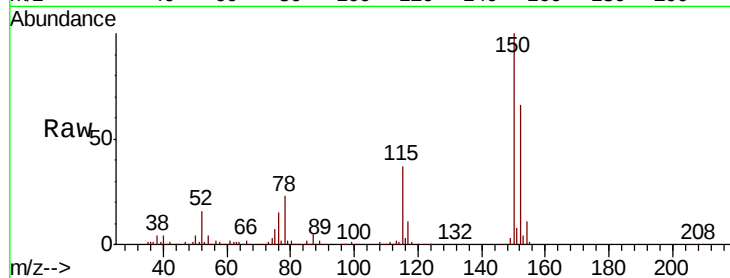
Tot Ion:152 Resp: 271406

Ion Ratio Lower Upper

152 100

115 56.7 29.3 87.9

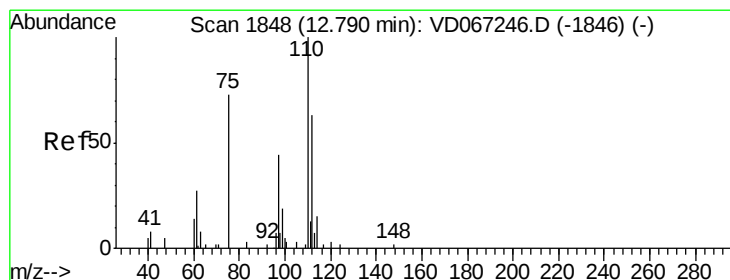
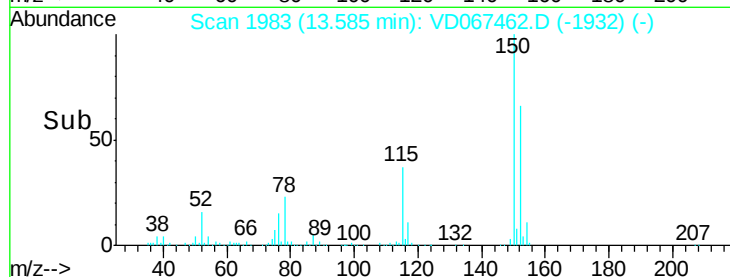
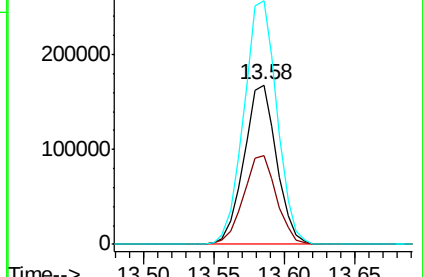
150 155.8 0.0 339.0



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: 65.376 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067462.D

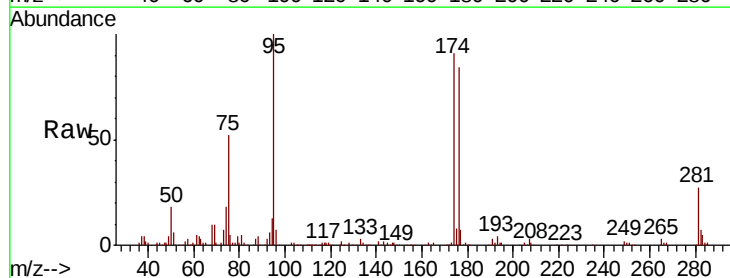
Acq: 30 Oct 2020 10:17

Tgt Ion: 75 Resp: 122979

Ion Ratio Lower Upper

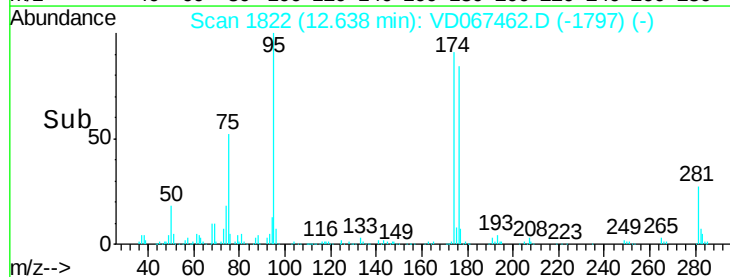
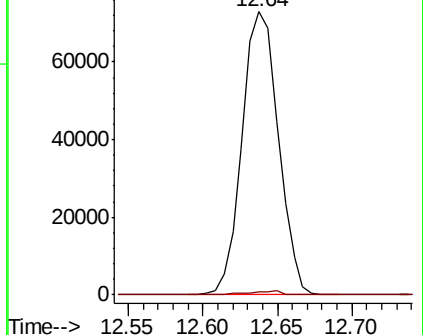
75 100

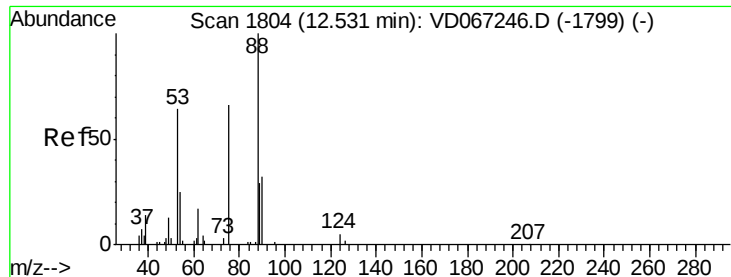
77 1.2 0.0 0.0#



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: 148.254 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067462.D

Acq: 30 Oct 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBL01

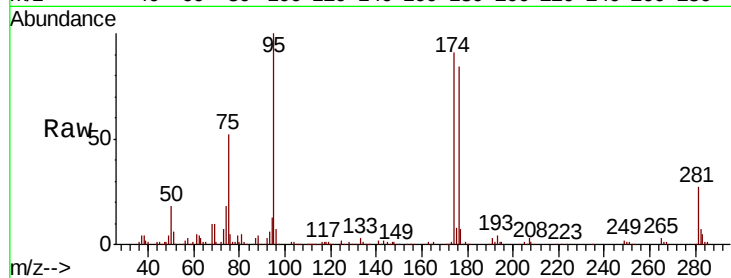
Tot Ion: 75 Resp: 122979

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.6 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

