

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067359.D
 Acq On : 22 Oct 2020 13:49
 Operator : VA/SY
 Sample : L4225-10
 Misc : 7.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-102120

Quant Time: Oct 22 14:52:53 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	284836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	460685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	444348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	202491	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	153440	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
35) Dibromofluoromethane	7.92	113	149886	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	10.34	98	539329	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.64	95	184491	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	

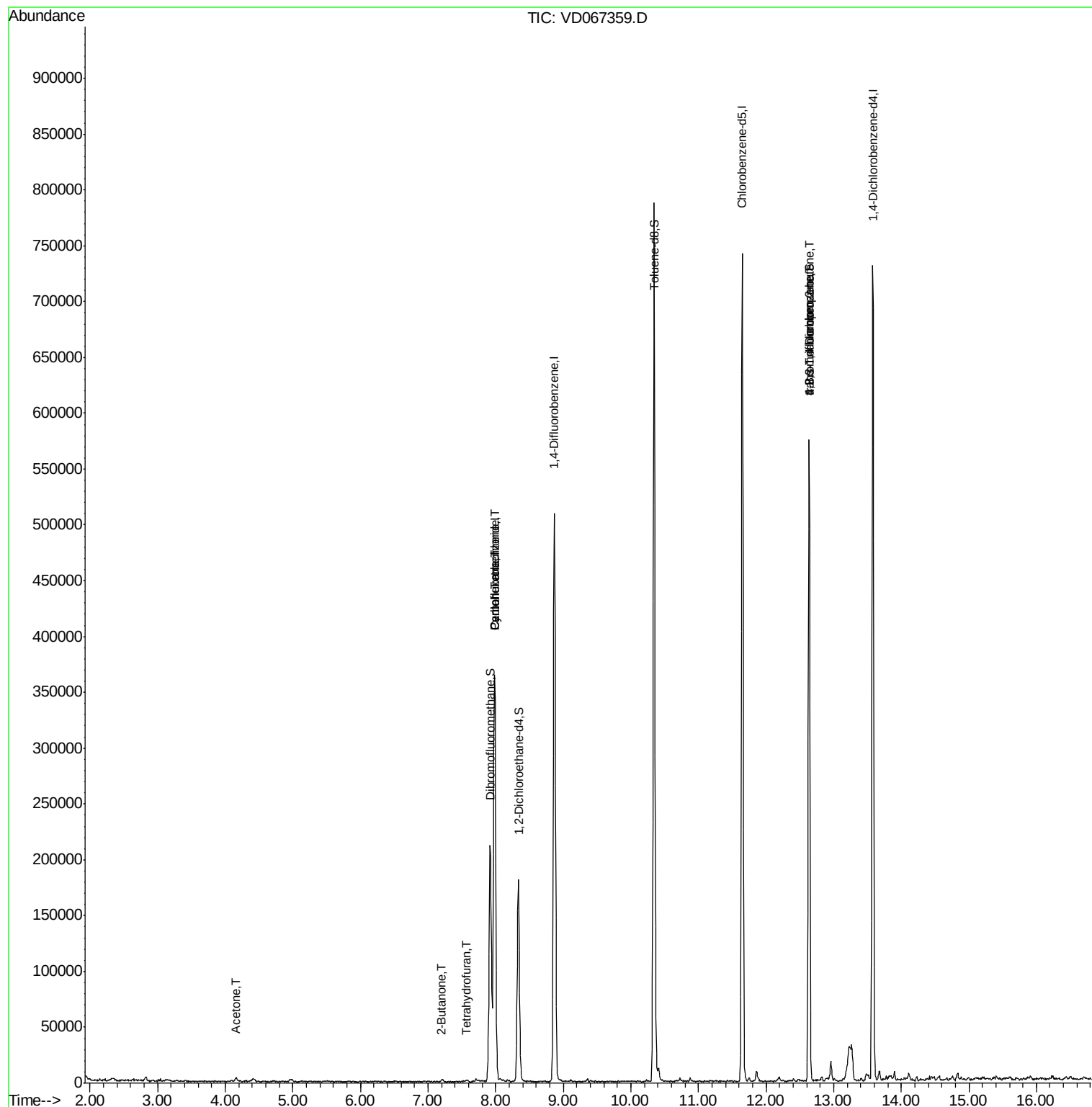
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	642	Below Cal	#	44
5) Bromomethane	2.78	94	387	Below Cal	#	62
11) Tert butyl alcohol	5.25	59	58	Below Cal	#	81
16) Acetone	4.17	43	5807	14.530	ug/l	89
20) Methylene Chloride	4.97	84	1291	Below Cal	#	81
25) 2-Butanone	7.21	43	536	1.177	ug/l	45
29) Tetrahydrofuran	7.58	42	786	3.104	ug/l	48
31) Cyclohexane	7.99	56	6217	1.892	ug/l	43
38) Carbon Tetrachloride	7.98	117	29961	6.004	ug/l	17
76) 1,2,3-Trichloropropane	12.64	75	94590	67.398	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.64	75	94590	152.839	ug/l	10

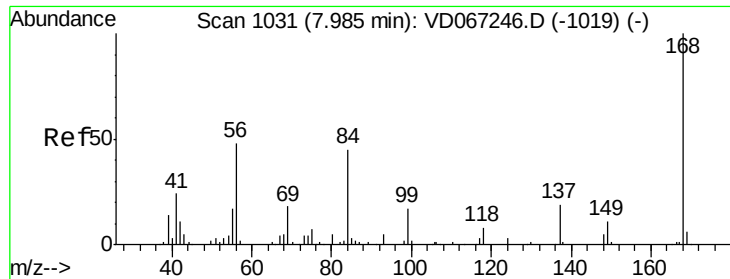
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102220\
Data File : VD067359.D
Acq On : 22 Oct 2020 13:49
Operator : VA/SY
Sample : L4225-10
Misc : 7.30G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-02-102120

Quant Time: Oct 22 14:52:53 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: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

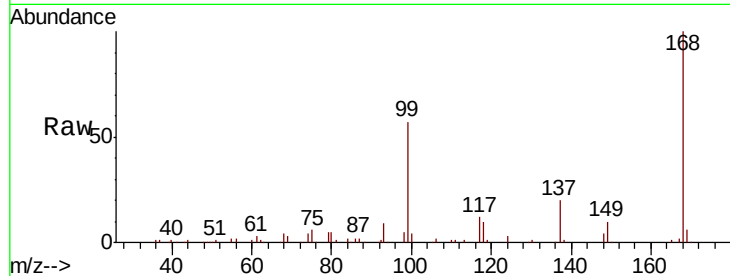
SU-02-102120

Tot Ion:168 Resp: 284836

Ion Ratio Lower Upper

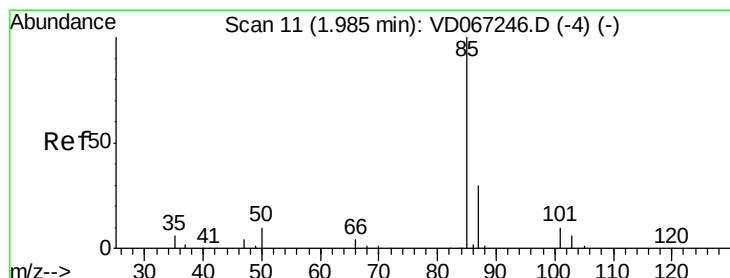
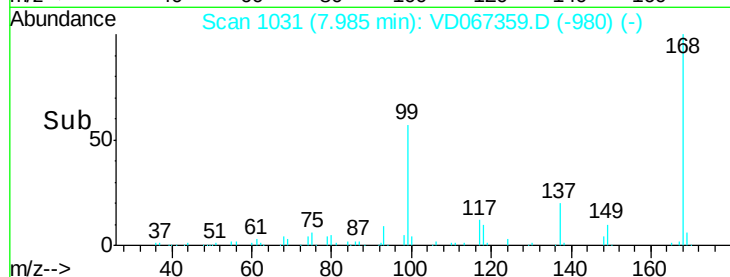
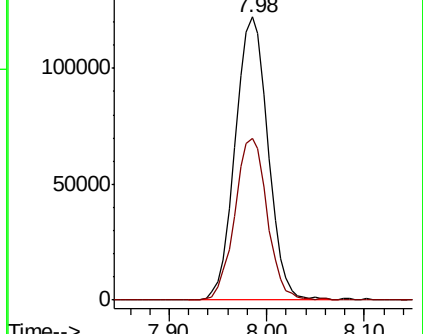
168 100

99 57.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067359.D

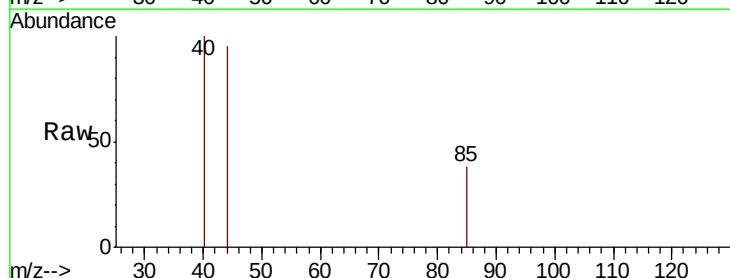
Acq: 22 Oct 2020 13:49

Tgt Ion: 85 Resp: 642

Ion Ratio Lower Upper

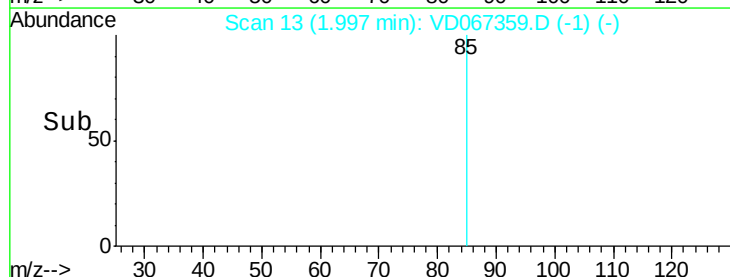
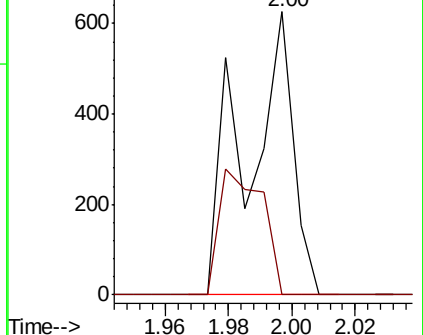
85 100

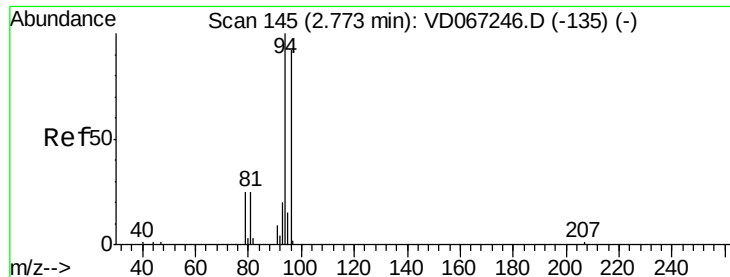
87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

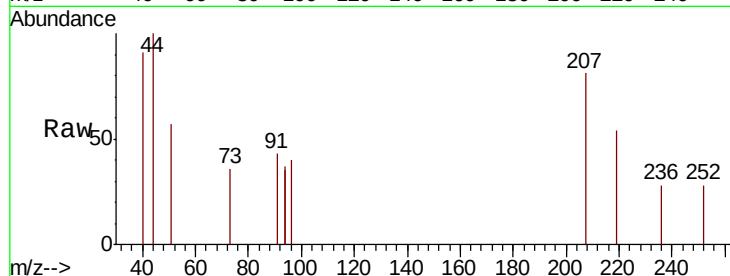
SU-02-102120

Tot Ion: 94 Resp: 387

Ion Ratio Lower Upper

94 100

96 56.2 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

400

300

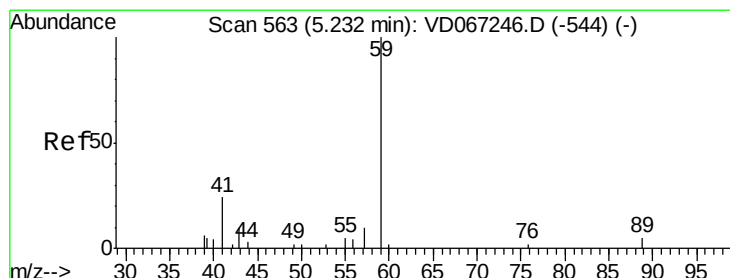
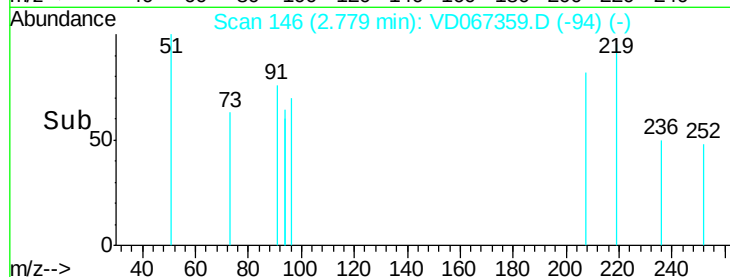
200

100

0

2.76 2.78 2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 566

Delta R.T. 0.02 min

Lab File: VD067359.D

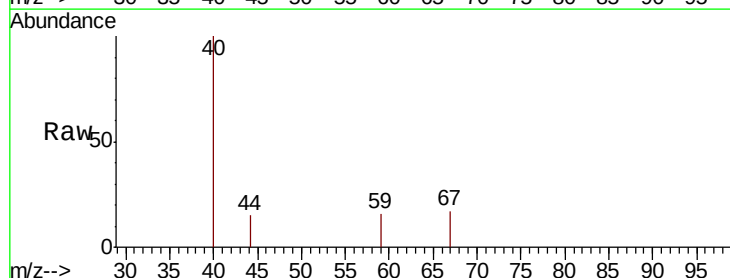
Acq: 22 Oct 2020 13:49

Tgt Ion: 59 Resp: 58

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

5.25

150

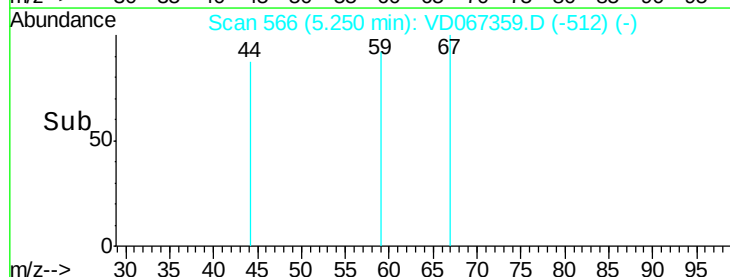
100

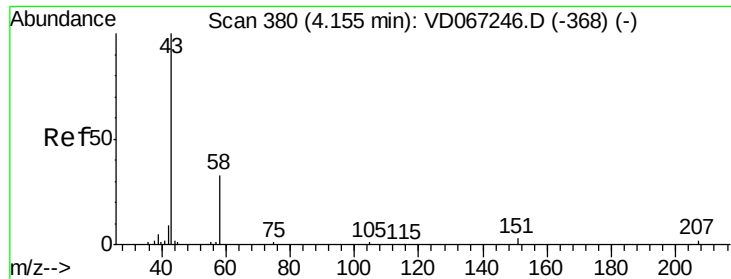
50

0

5.23 5.24 5.25 5.26

Time-->





#16

Acetone

Concen: 14.530 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

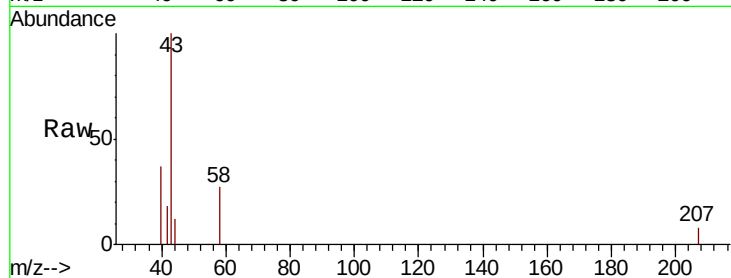
SU-02-102120

Tot Ion: 43 Resp: 5807

Ion Ratio Lower Upper

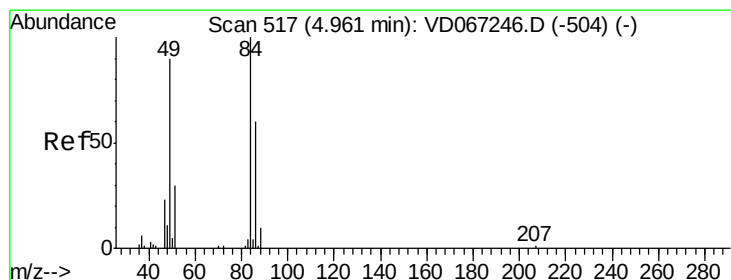
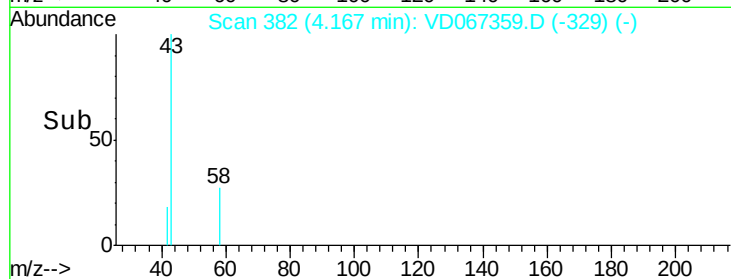
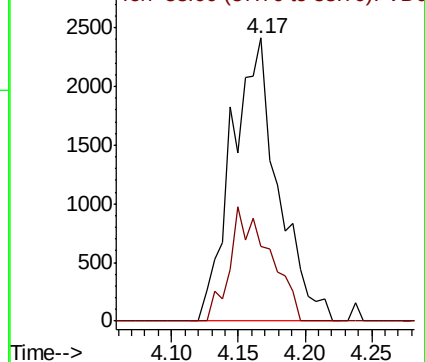
43 100

58 26.6 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Tgt Ion: 84 Resp: 1291

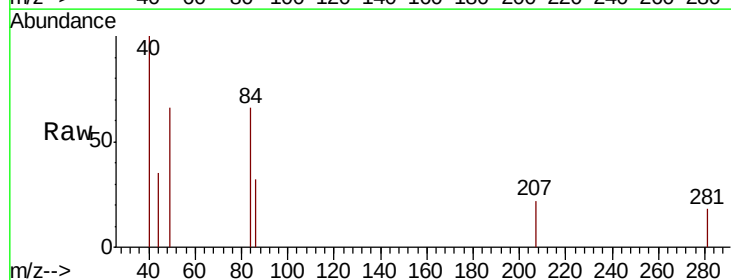
Ion Ratio Lower Upper

84 100

49 99.1 72.2 108.2

51 0.0 23.8 35.8#

86 47.6 48.2 72.4#

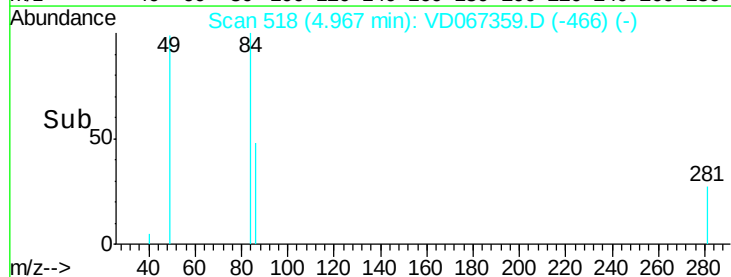
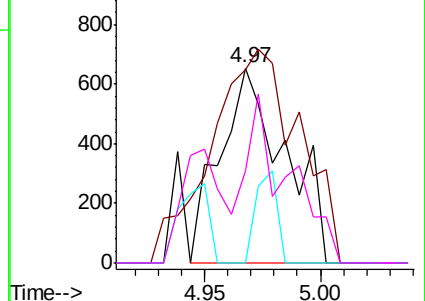


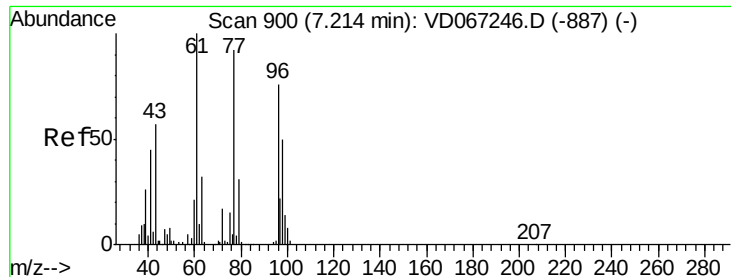
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.177 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

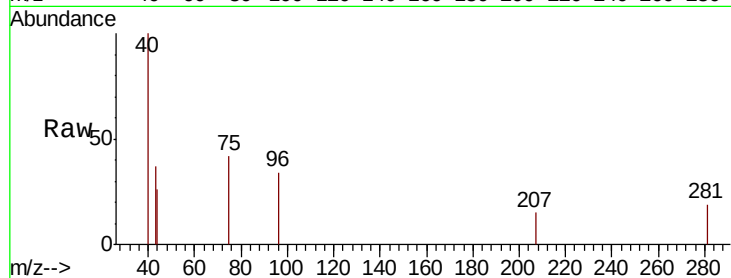
SU-02-102120

Tot Ion: 43 Resp: 536

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

500

400

300

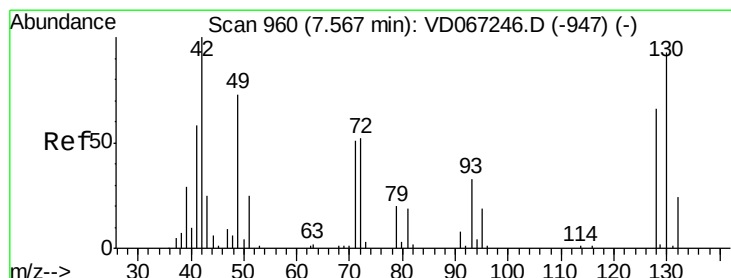
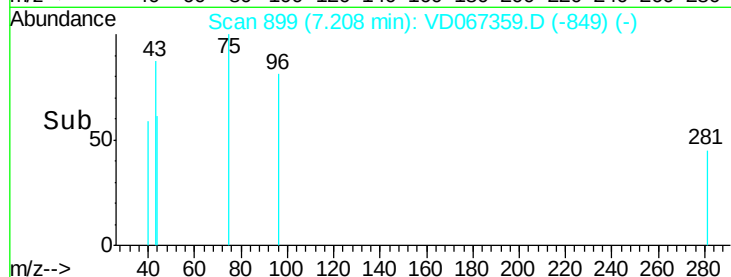
200

100

0

7.18 7.20 7.22 7.24

Time-->



#29

Tetrahydrofuran

Concen: 3.104 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

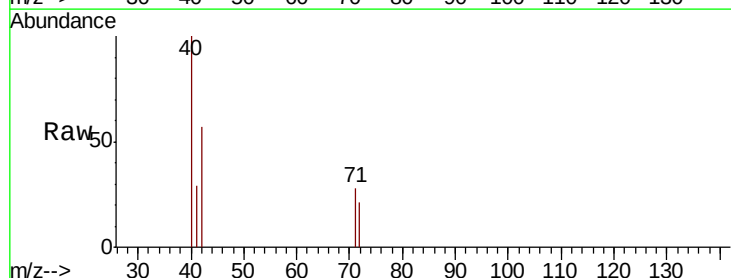
Tgt Ion: 42 Resp: 786

Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

71 30.7 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

800

600

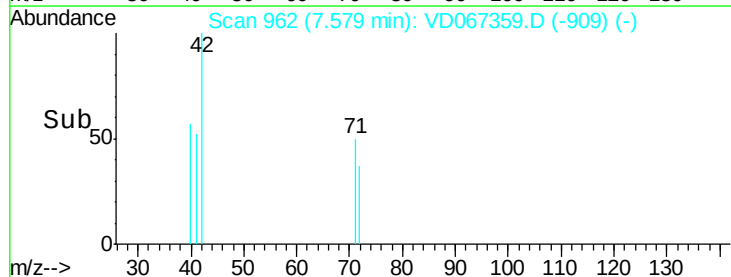
400

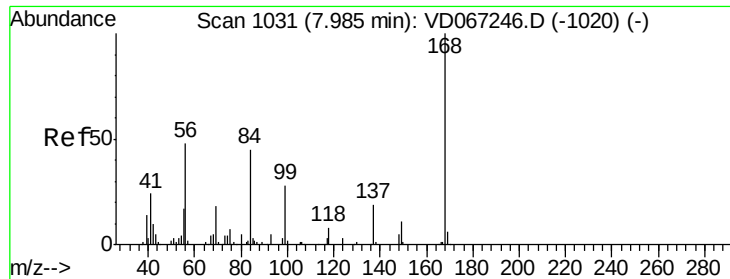
200

0

7.54 7.56 7.58 7.60

Time-->

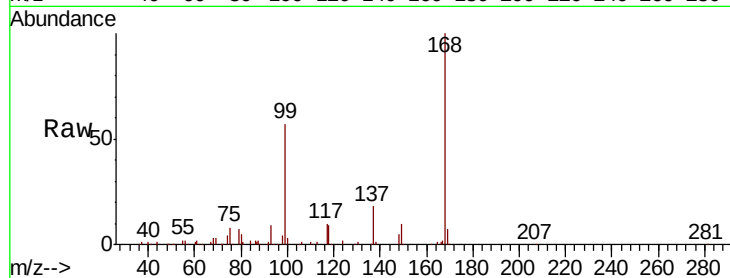




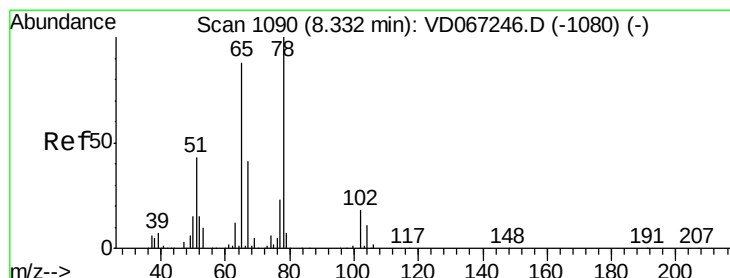
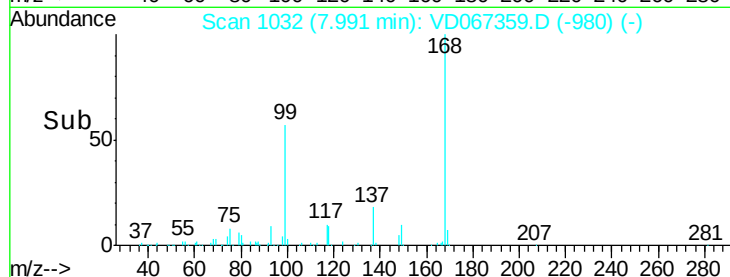
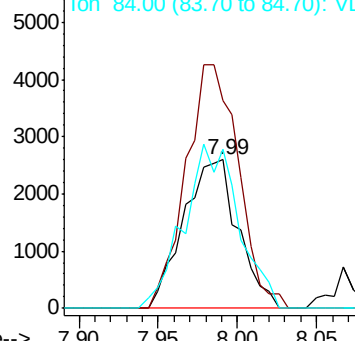
#31
Cyclohexane
Concen: 1.892 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067359.D
Acq: 22 Oct 2020 13:49

Instrument :
MSVOA_D
ClientSampleId :
SU-02-102120

Tot Ion: 56 Resp: 6217
Ion Ratio Lower Upper
56 100
69 140.4 29.8 44.6#
84 107.3 76.6 114.8

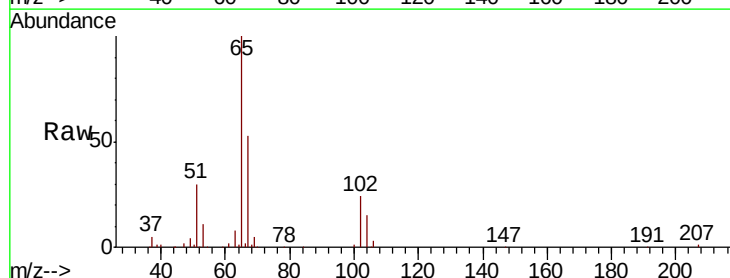


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

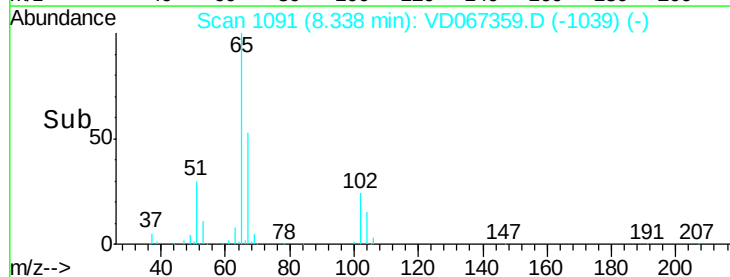
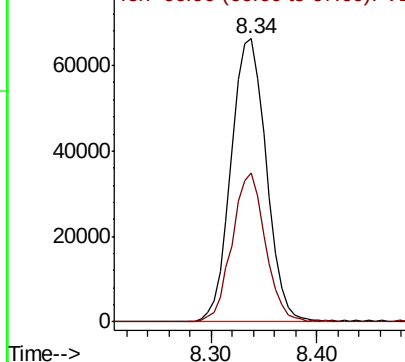


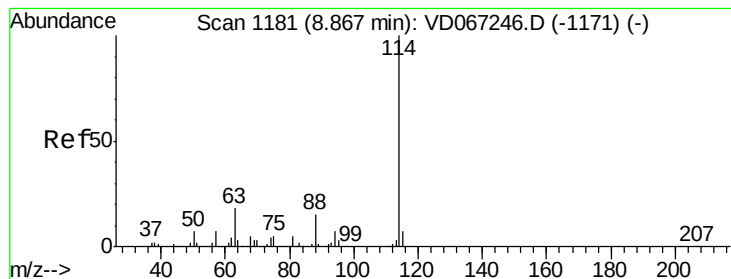
#33
1,2-Dichloroethane-d4
Concen: 53.770 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067359.D
Acq: 22 Oct 2020 13:49

Tgt Ion: 65 Resp: 153440
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.8



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. 0.00 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

SU-02-102120

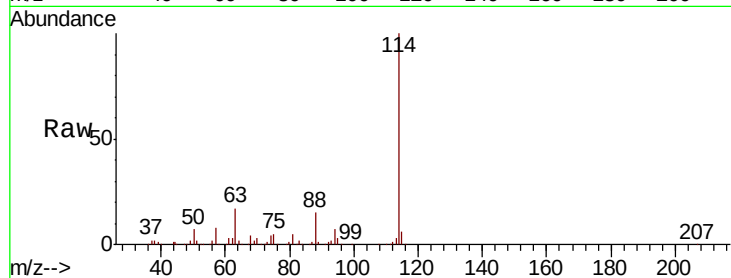
Tot Ion:114 Resp: 460685

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

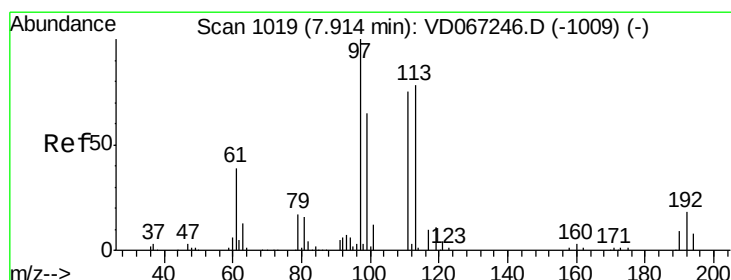
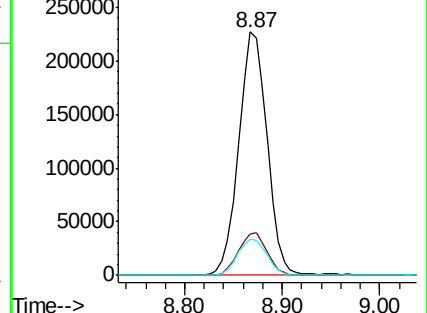
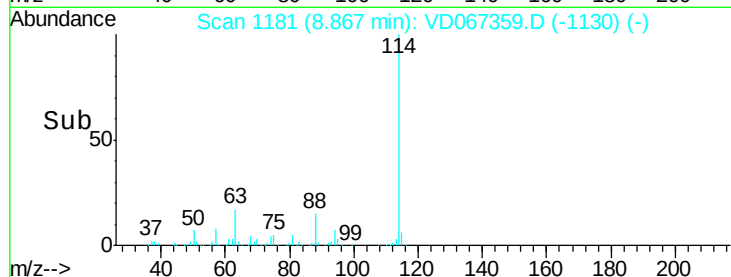
88 14.9 0.0 30.6



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



#35

Dibromofluoromethane

Concen: 48.889 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

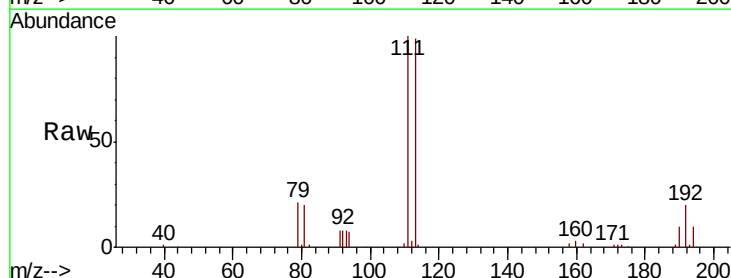
Tgt Ion:113 Resp: 149886

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

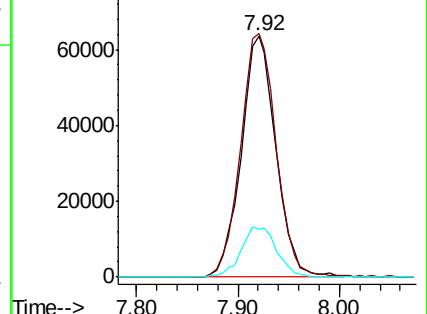
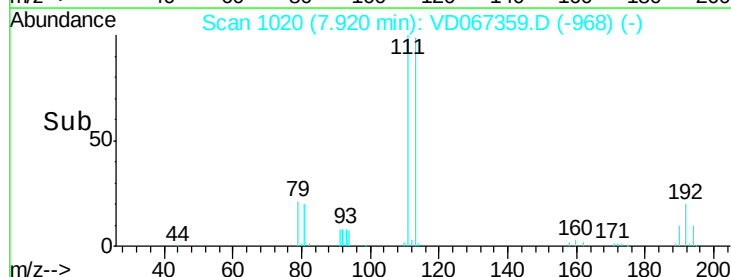
192 21.6 17.0 25.4

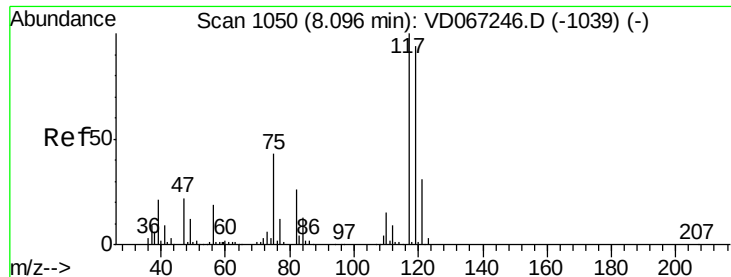


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

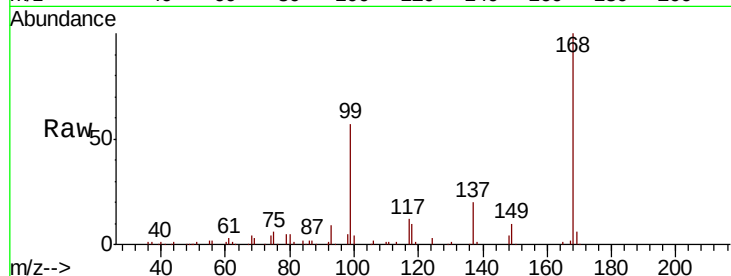




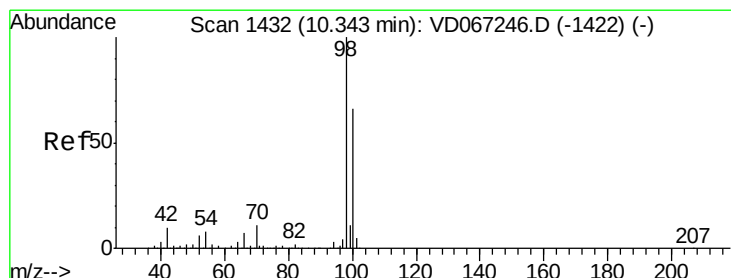
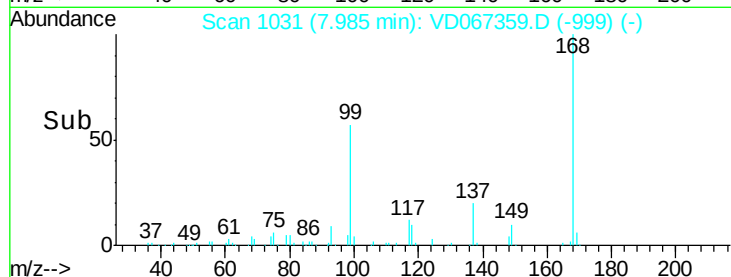
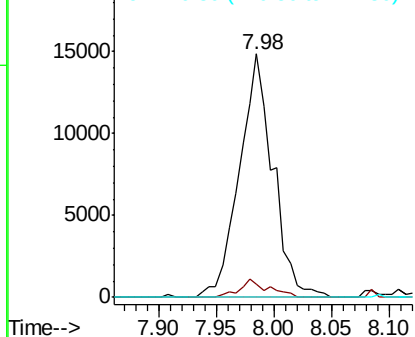
#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067359.D
Acq: 22 Oct 2020 13:49

Instrument :
MSVOA_D
ClientSampleId :
SU-02-102120

Tot Ion:117 Resp: 29961
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.4#
121 0.0 24.9 37.3#

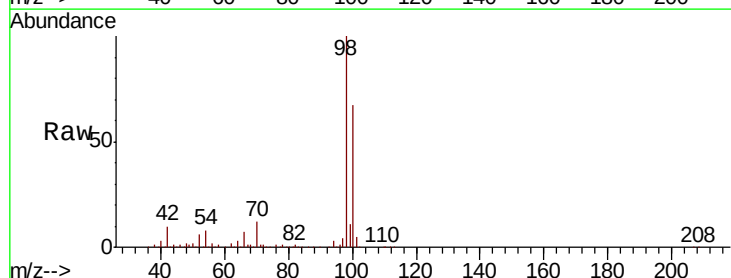


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

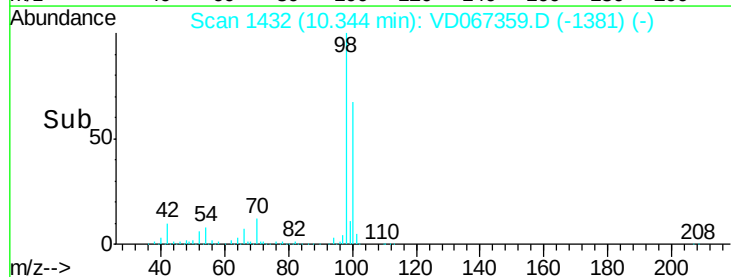
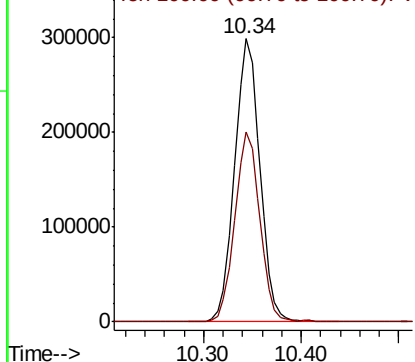


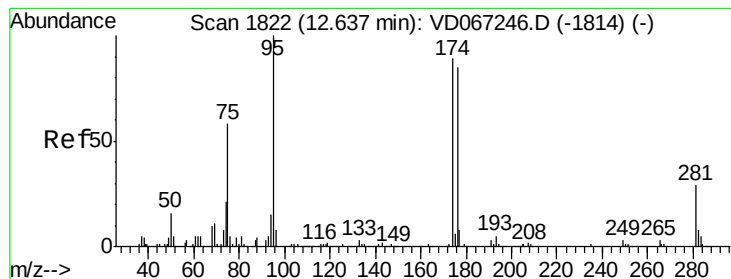
#50
Toluene-d8
Concen: 48.610 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067359.D
Acq: 22 Oct 2020 13:49

Tgt Ion: 98 Resp: 539329
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



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





#62

4-Bromofluorobenzene

Concen: 47.820 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

SU-02-102120

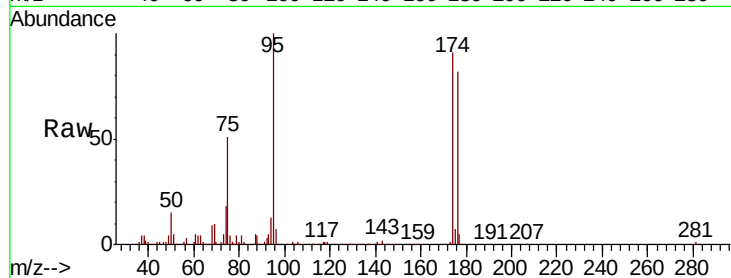
Tot Ion: 95 Resp: 184491

Ion Ratio Lower Upper

95 100

174 89.4 0.0 175.2

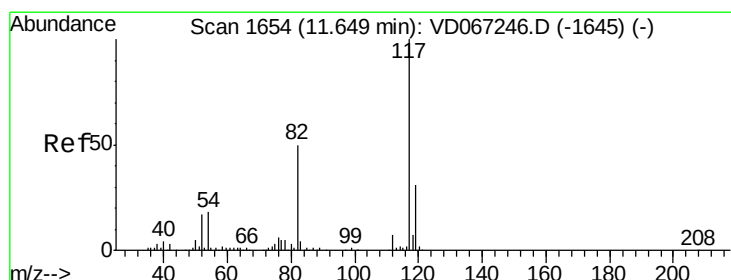
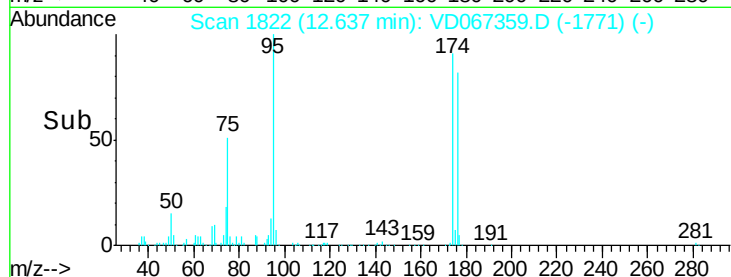
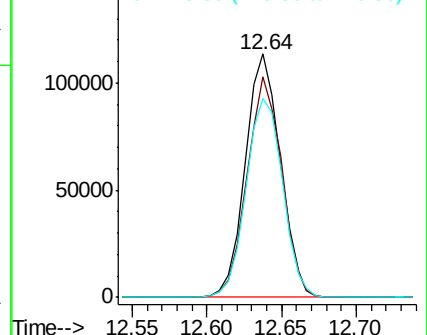
176 84.9 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD067359.D

Acq: 22 Oct 2020 13:49

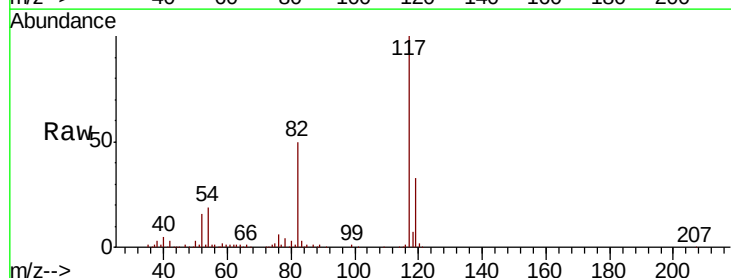
Tgt Ion: 117 Resp: 444348

Ion Ratio Lower Upper

117 100

82 50.4 39.9 59.9

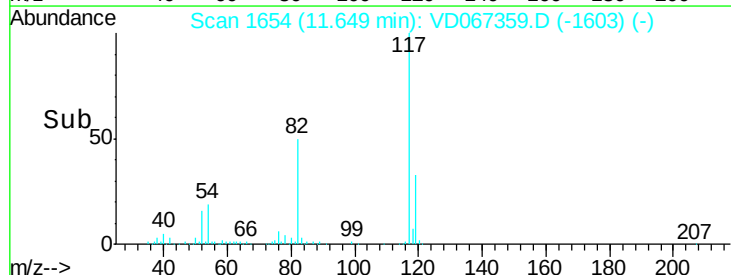
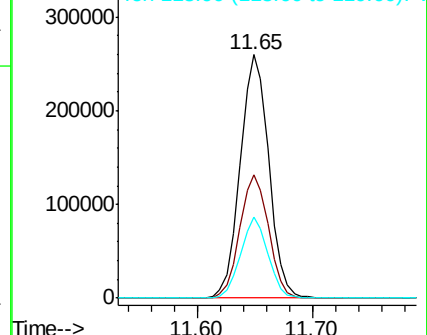
119 33.3 24.9 37.3

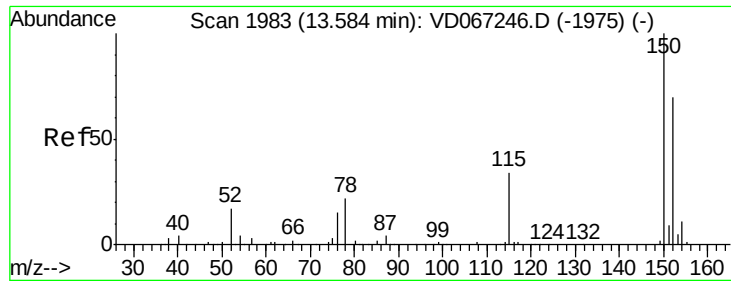


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. -0.01 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

SU-02-102120

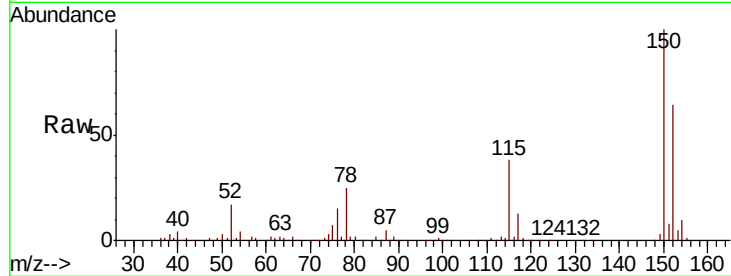
Tot Ion:152 Resp: 202491

Ion Ratio Lower Upper

152 100

115 59.6 29.3 87.9

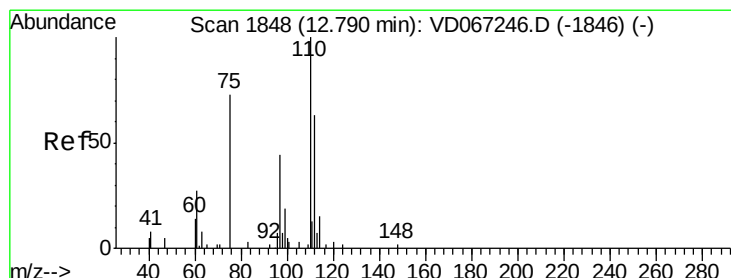
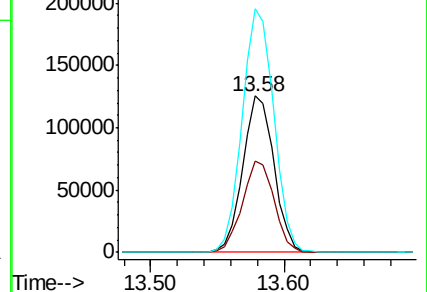
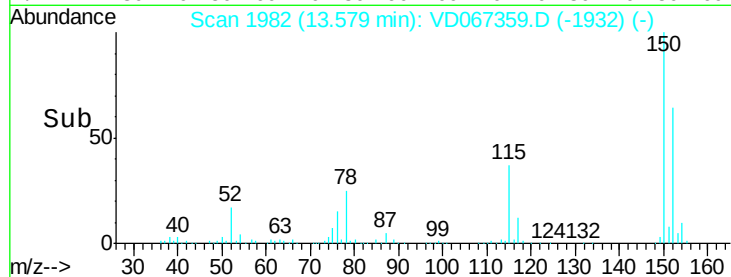
150 157.9 0.0 339.0



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: 67.398 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067359.D

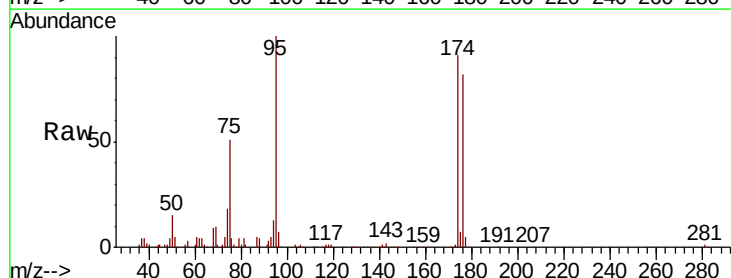
Acq: 22 Oct 2020 13:49

Tgt Ion: 75 Resp: 94590

Ion Ratio Lower Upper

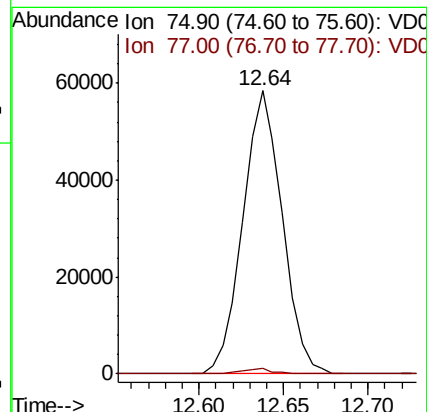
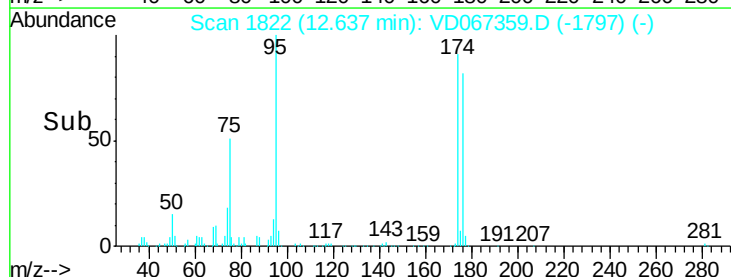
75 100

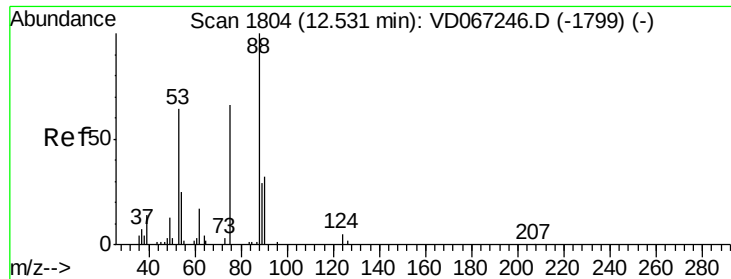
77 1.4 0.0 0.0#



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: 152.839 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067359.D

Acq: 22 Oct 2020 13:49

Instrument :

MSVOA_D

ClientSampleId :

SU-02-102120

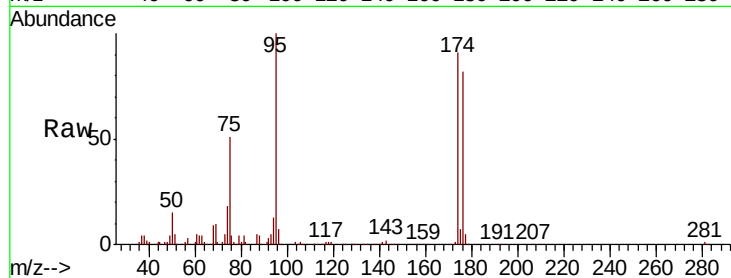
Tot Ion: 75 Resp: 94590

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 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

