

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067539.D
 Acq On : 05 Nov 2020 16:13
 Operator : VA/SY
 Sample : L4653-01
 Misc : 6.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-COMP

Quant Time: Nov 06 00:15:30 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	279425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	453899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235339	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	147186	60.24	ug/l	0.00
Spiked Amount			Recovery	=	120.48%	
35) Dibromofluoromethane	7.91	113	149571	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	
50) Toluene-d8	10.34	98	530486	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	
62) 4-Bromofluorobenzene	12.64	95	202169	60.93	ug/l	0.00
Spiked Amount			Recovery	=	121.86%	

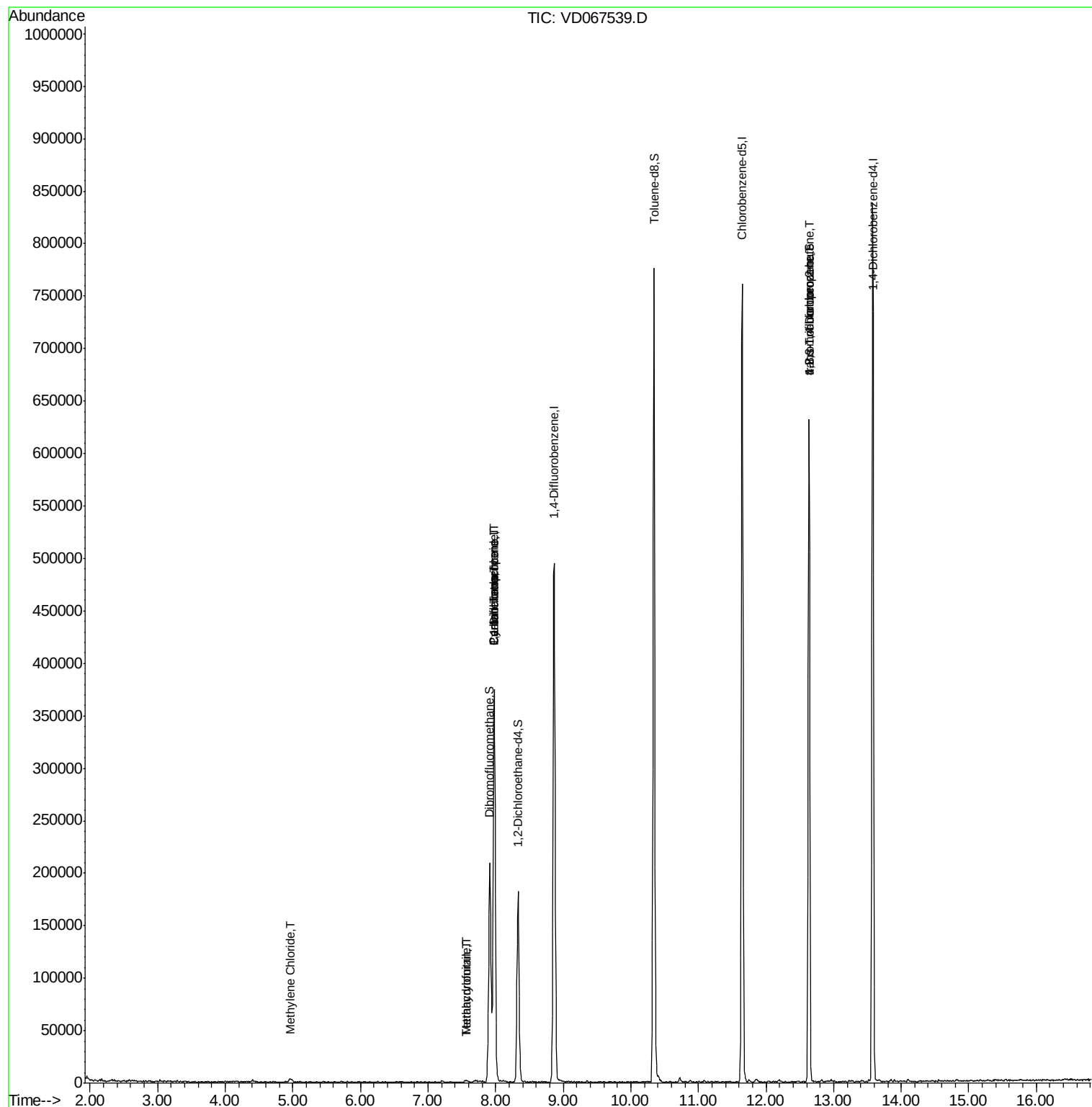
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	528	Below Cal	#	44
20) Methylene Chloride	4.97	84	2621	1.015	ug/l	90
29) Tetrahydrofuran	7.57	42	1216	5.196	ug/l #	59
31) Cyclohexane	7.98	56	5691	1.606	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	19904	5.123	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28271	5.600	ug/l #	17
41) Methacrylonitrile	7.56	41	641	1.063	ug/l #	30
76) 1,2,3-Trichloropropane	12.64	75	103427	72.851	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103427	147.908	ug/l #	10

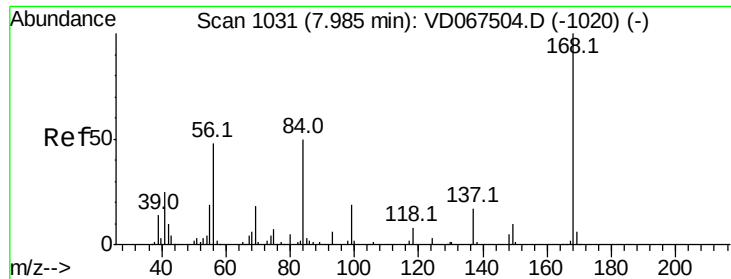
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067539.D

Acq: 05 Nov 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

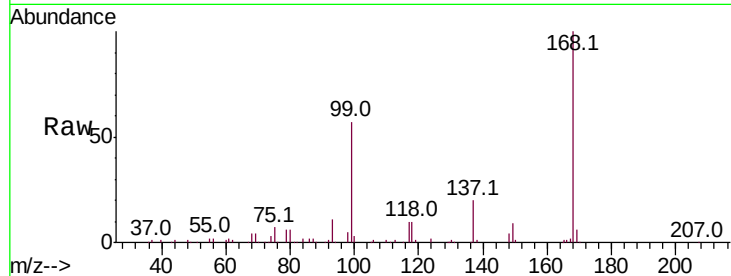
TP-7-COMP

Tot Ion:168 Resp: 279425

Ion Ratio Lower Upper

168 100

99 56.9 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

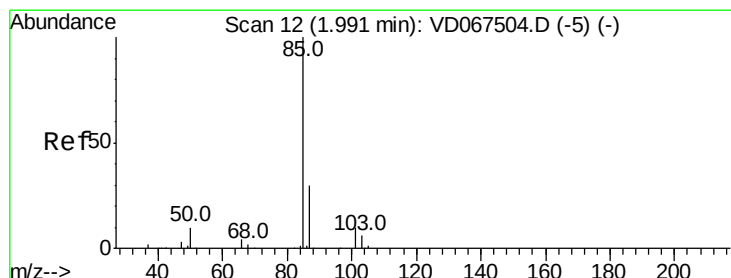
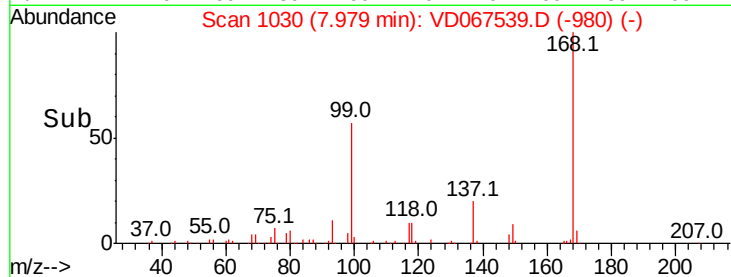
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067539.D

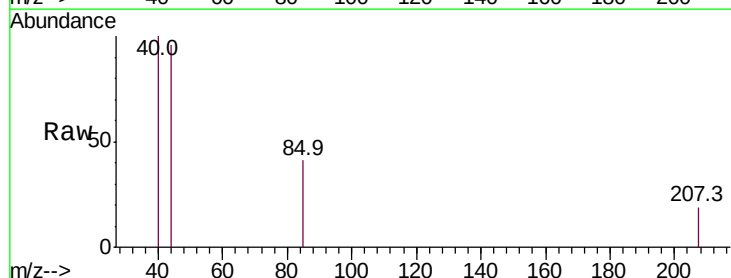
Acq: 05 Nov 2020 16:13

Tgt Ion: 85 Resp: 528

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

400

300

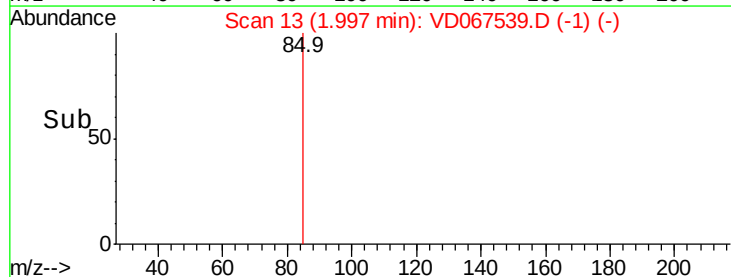
200

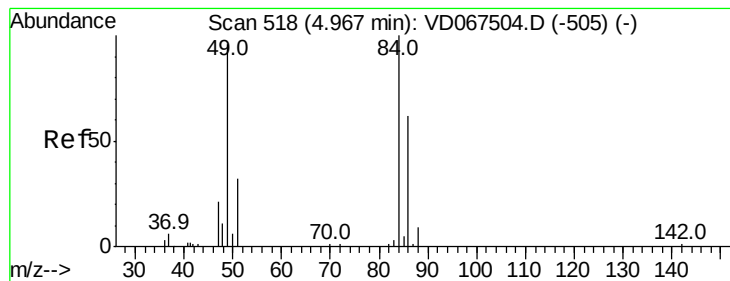
100

0

Time-->

1.96 1.98 2.00 2.02





#20

Methvlene Chloride

Concen: 1.015 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

Tot Ion: 84 Resp: 2621

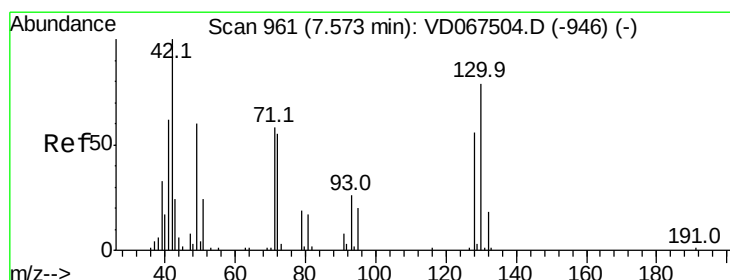
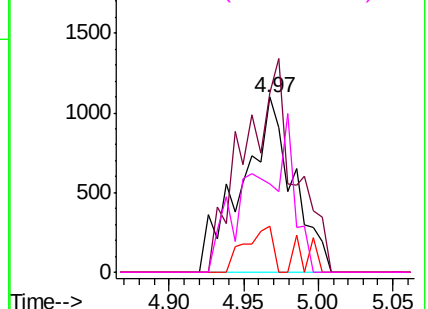
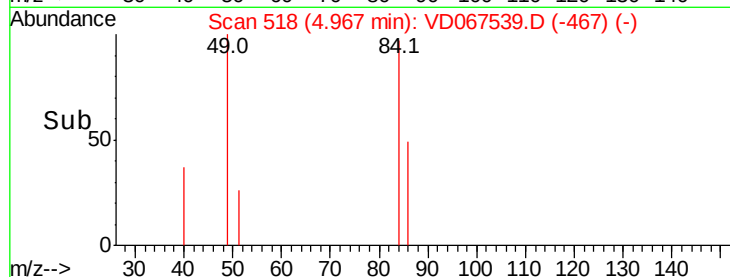
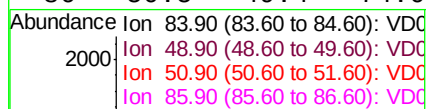
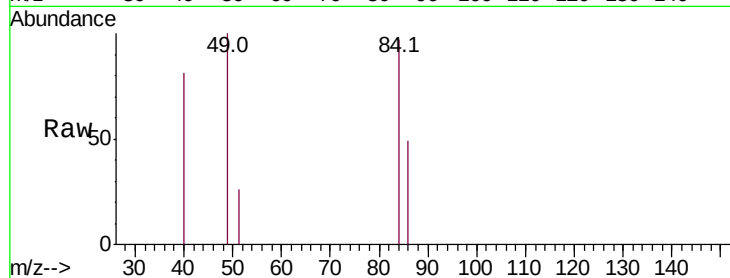
Ion Ratio Lower Upper

84 100

49 102.6 77.0 115.4

51 26.7 25.4 38.2

86 50.5 49.4 74.0



#29

Tetrahydrofuran

Concen: 5.196 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

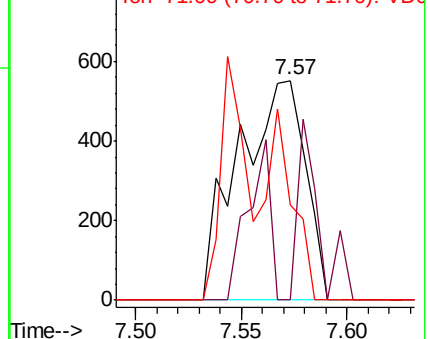
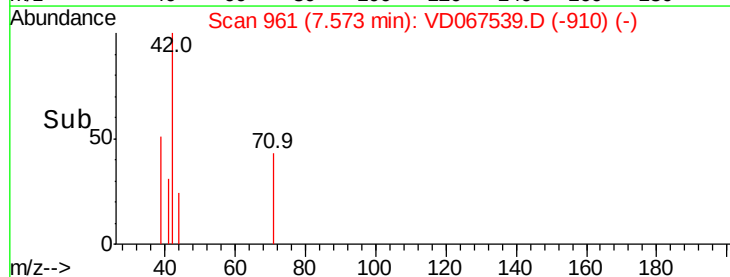
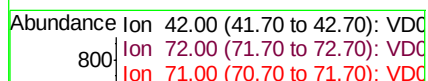
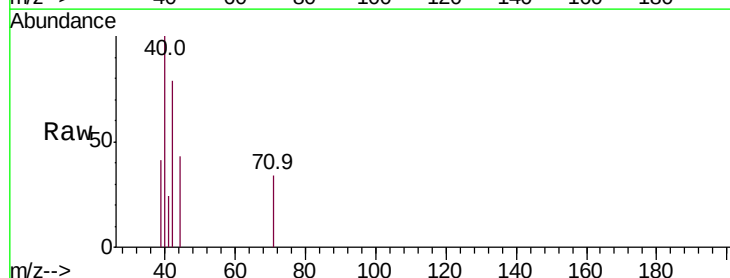
Tgt Ion: 42 Resp: 1216

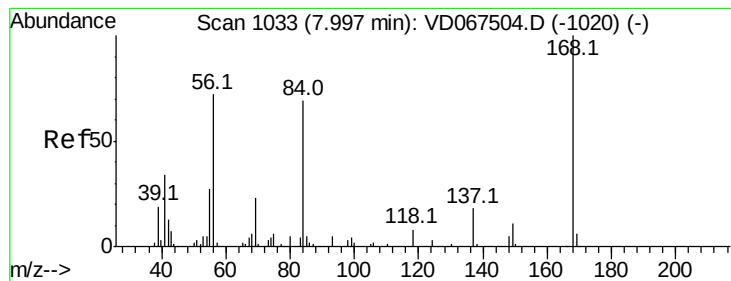
Ion Ratio Lower Upper

42 100

72 26.4 46.3 69.5#

71 26.7 44.0 66.0#





#31

Cyclohexane

Concen: 1.606 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

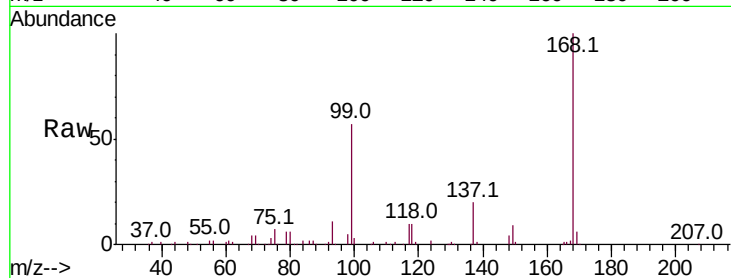
Tot Ion: 56 Resp: 5691

Ion Ratio Lower Upper

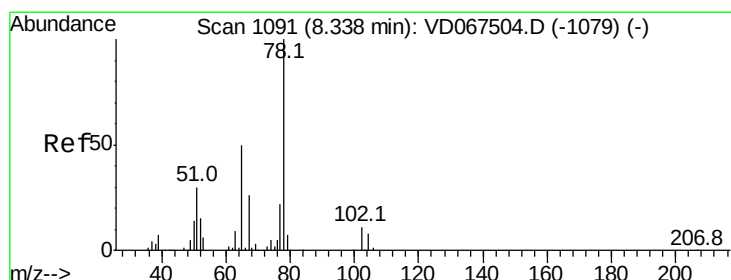
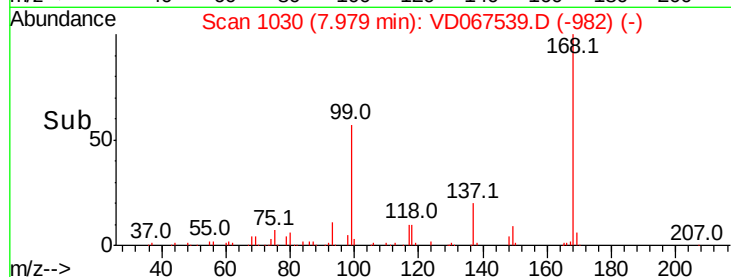
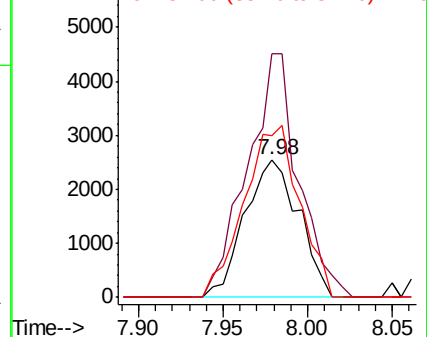
56 100

69 176.9 25.9 38.9#

84 117.1 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: 60.242 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067539.D

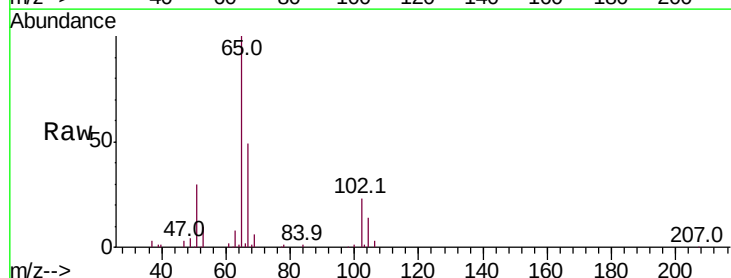
Acq: 05 Nov 2020 16:13

Tgt Ion: 65 Resp: 147186

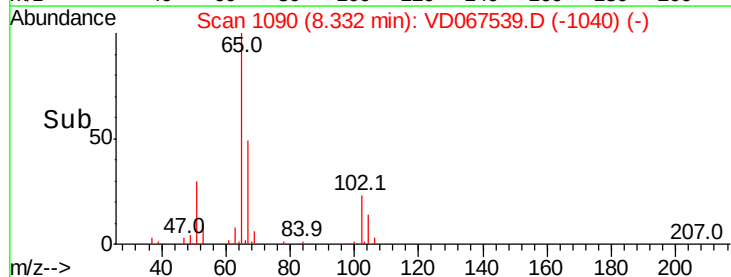
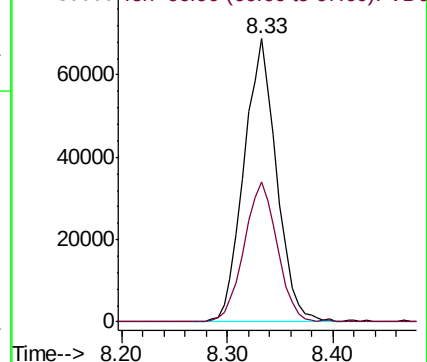
Ion Ratio Lower Upper

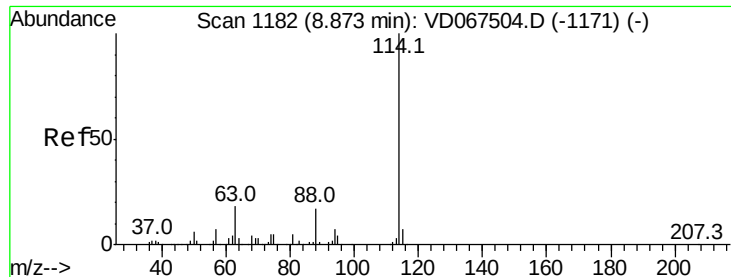
65 100

67 50.3 0.0 99.4



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

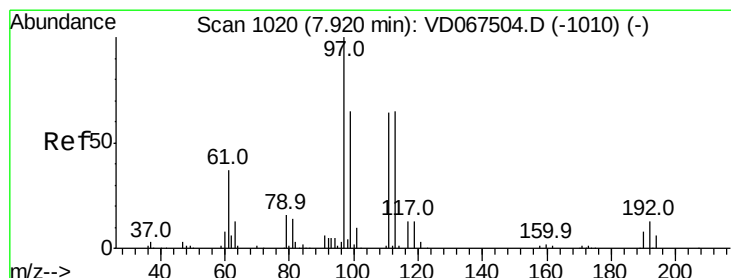
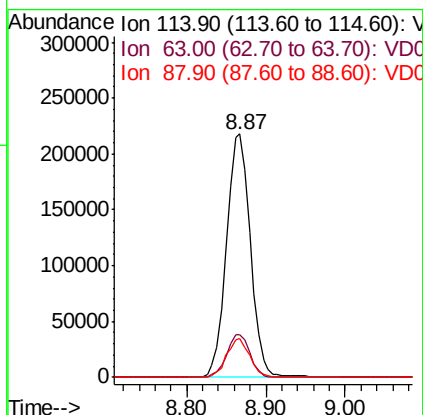
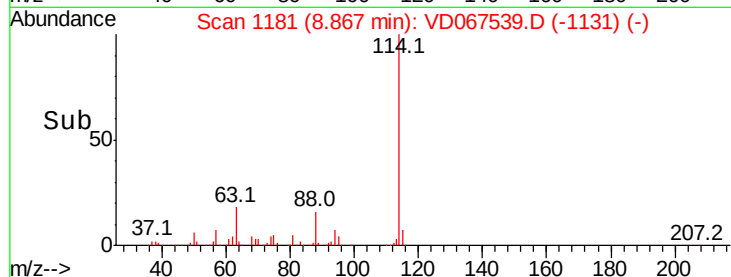
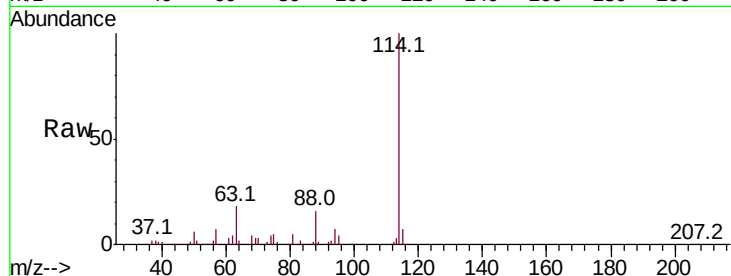




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD067539.D
Acq: 05 Nov 2020 16:13

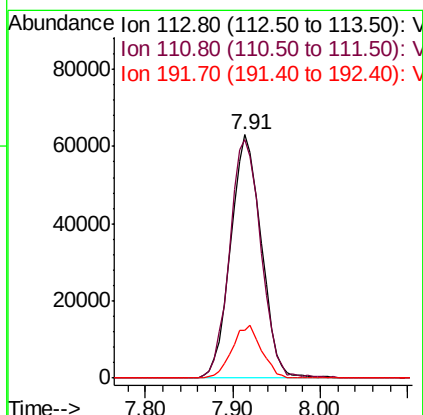
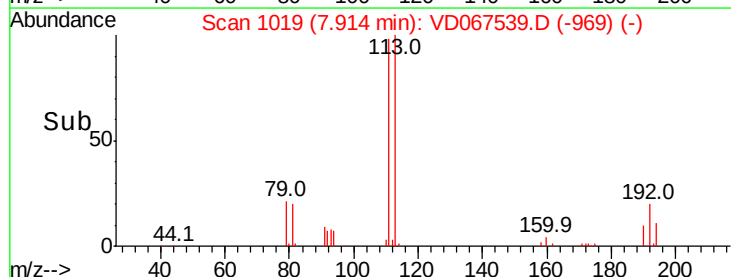
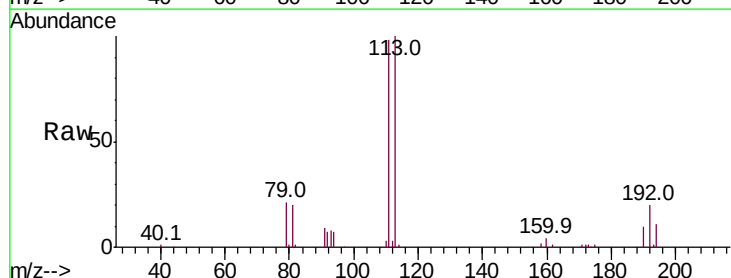
Instrument :
MSVOA_D
ClientSampleId :
TP-7-COMP

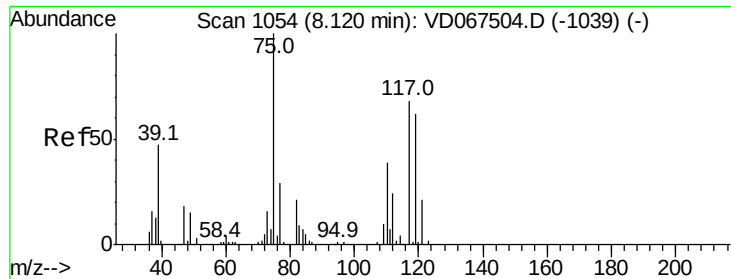
Tot Ion:114 Resp: 453899
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.0
88 15.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 54.693 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067539.D
Acq: 05 Nov 2020 16:13

Tgt Ion:113 Resp: 149571
Ion Ratio Lower Upper
113 100
111 100.6 80.0 120.0
192 20.8 16.3 24.5





#36

1,1-Dichloropropene

Concen: 5.123 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

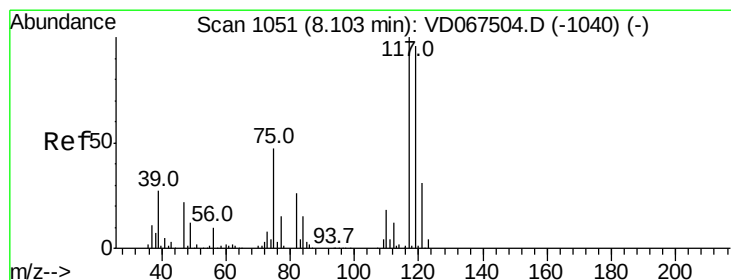
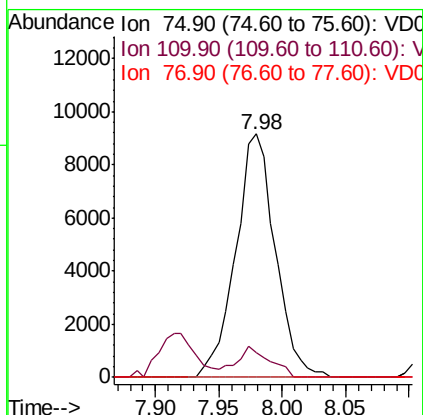
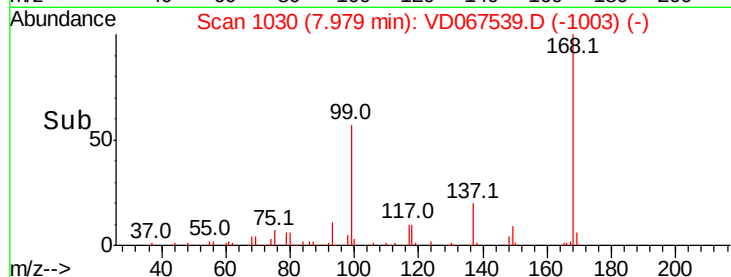
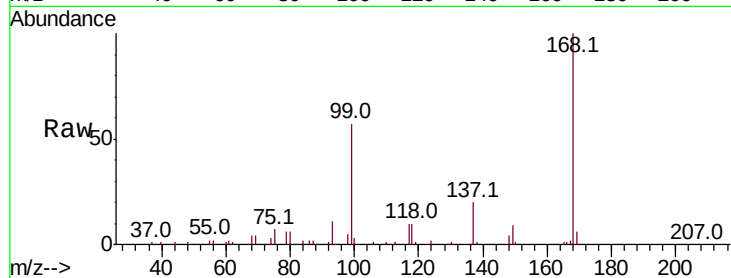
Tot Ion: 75 Resp: 19904

Ion Ratio Lower Upper

75 100

110 10.5 19.9 59.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.600 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

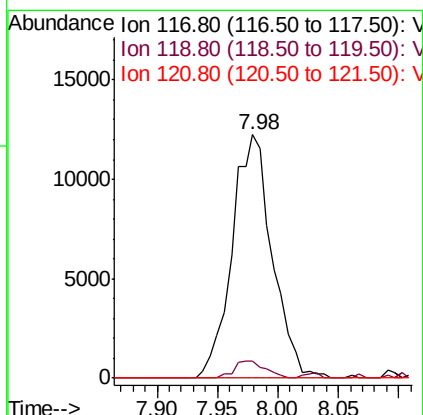
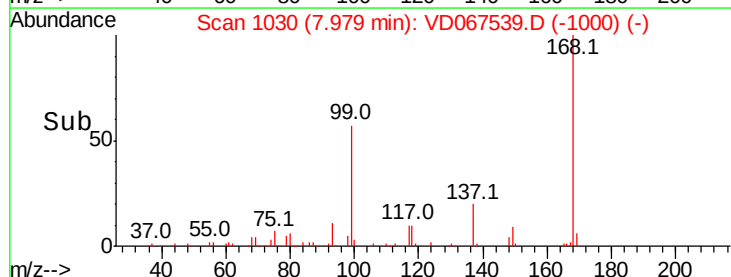
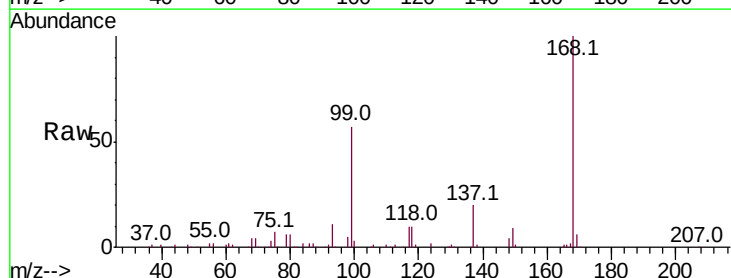
Tgt Ion: 117 Resp: 28271

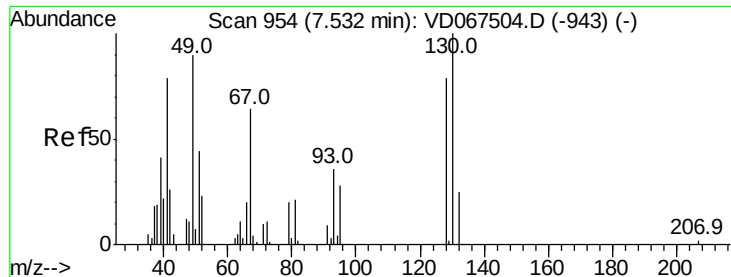
Ion Ratio Lower Upper

117 100

119 6.9 76.9 115.3#

121 0.0 24.5 36.7#





#41

Methacrylonitrile

Concen: 1.063 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

Tot Ion: 41 Resp: 641

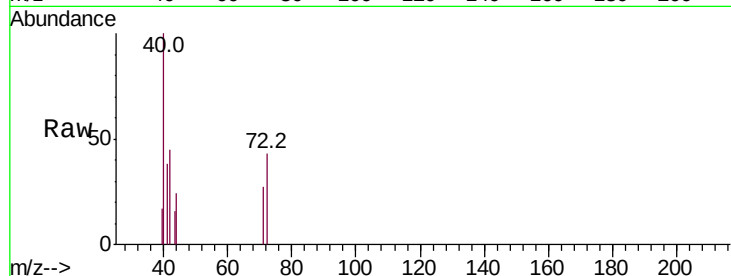
Ion Ratio Lower Upper

41 100

39 42.4 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

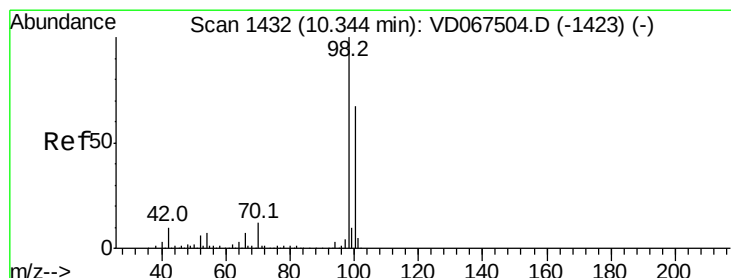
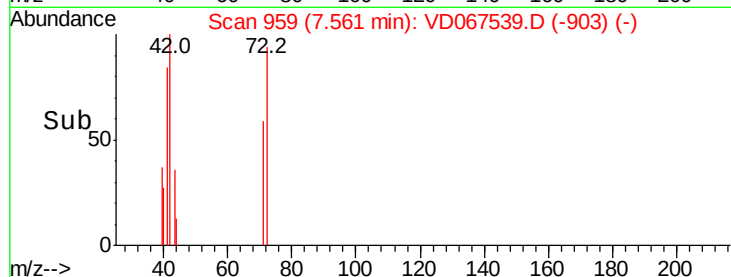
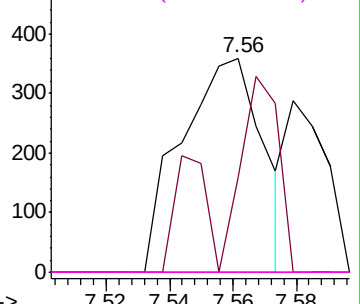


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 55.199 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067539.D

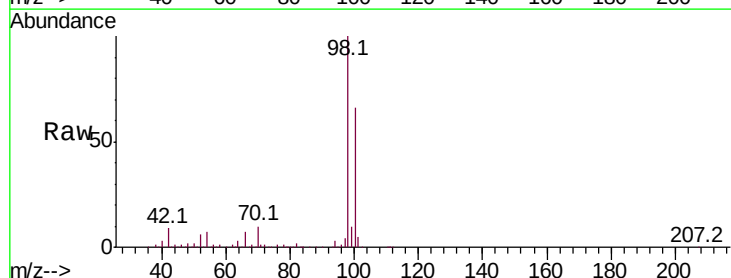
Acq: 05 Nov 2020 16:13

Tgt Ion: 98 Resp: 530486

Ion Ratio Lower Upper

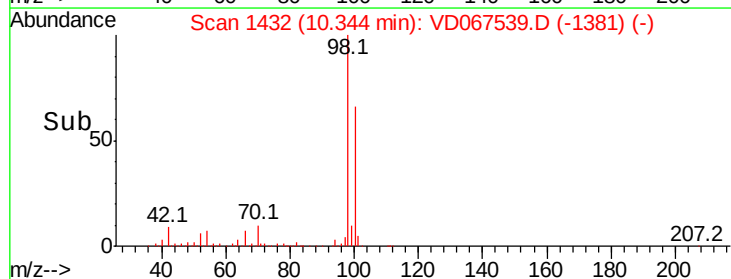
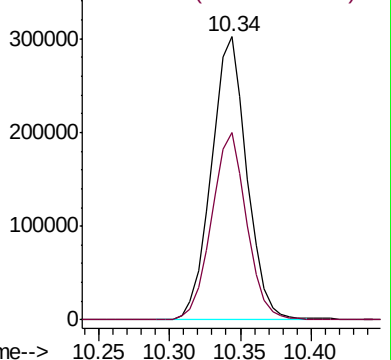
98 100

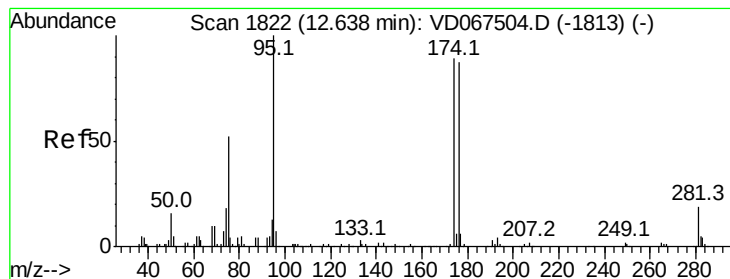
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 60.931 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

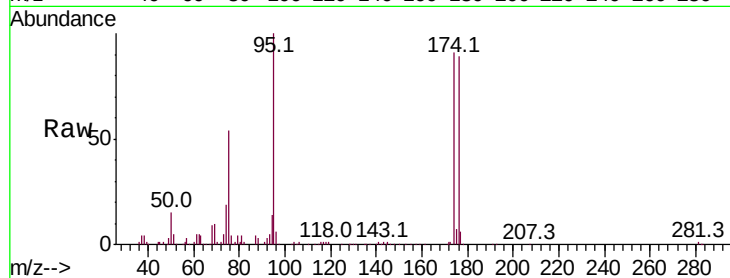
Tot Ion: 95 Resp: 202169

Ion Ratio Lower Upper

95 100

174 88.9 0.0 177.8

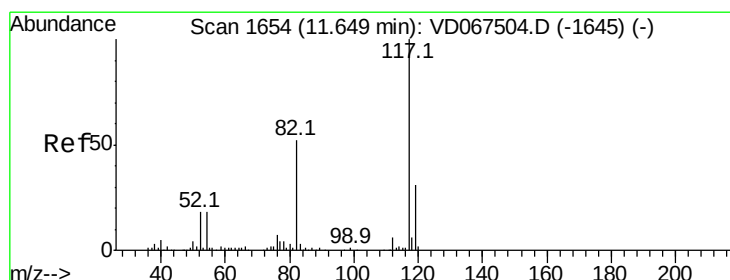
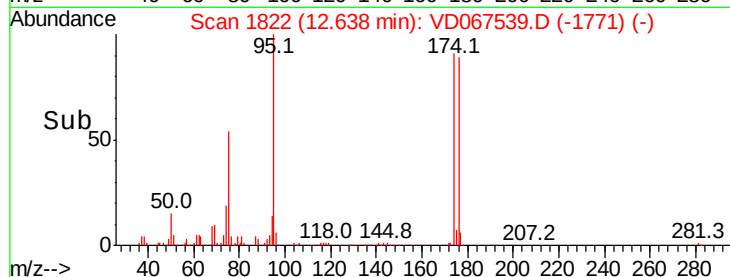
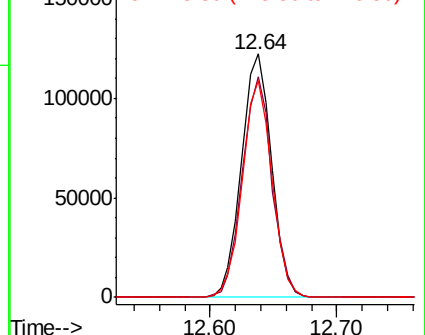
176 86.9 0.0 172.0



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: VD067539.D

Acq: 05 Nov 2020 16:13

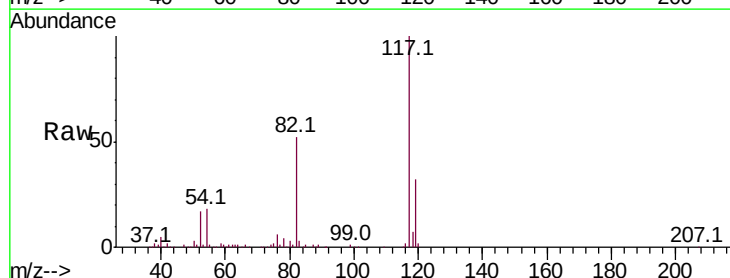
Tgt Ion: 117 Resp: 459094

Ion Ratio Lower Upper

117 100

82 52.2 41.6 62.4

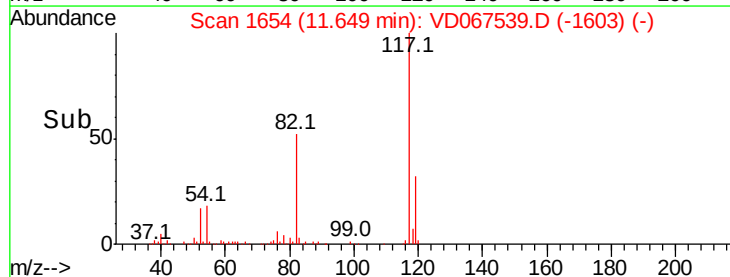
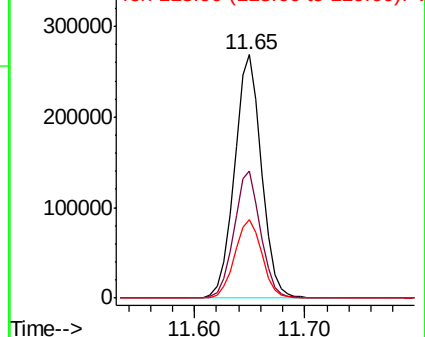
119 32.5 25.1 37.7

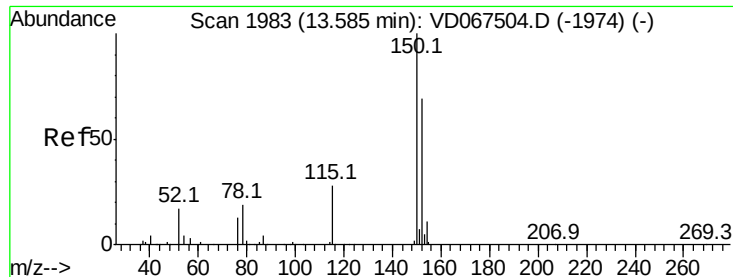


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



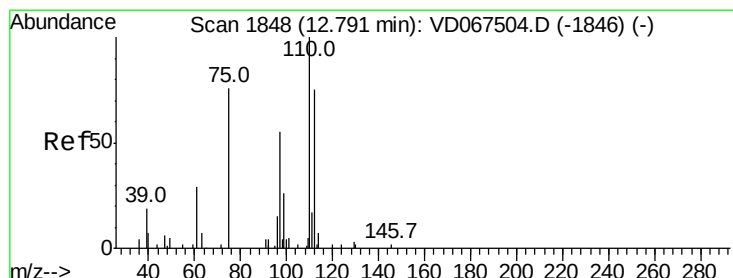
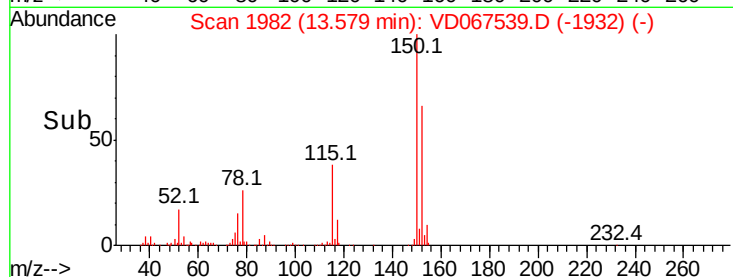
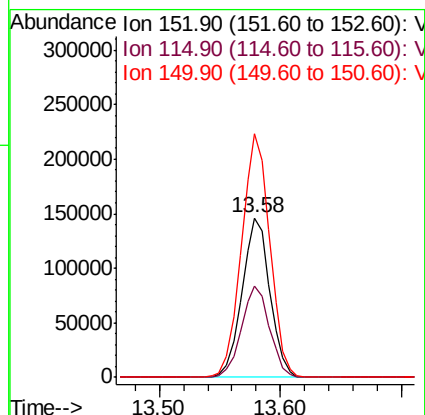
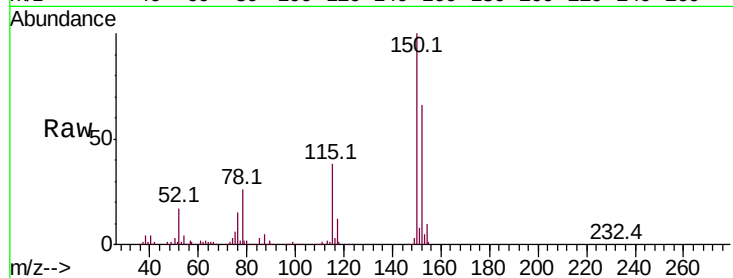


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067539.D
Acq: 05 Nov 2020 16:13

Instrument :
MSVOA_D
ClientSampleId :
TP-7-COMP

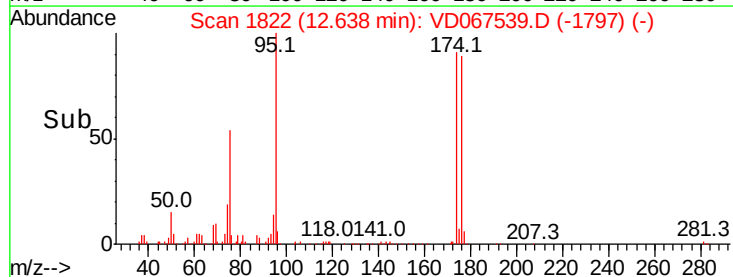
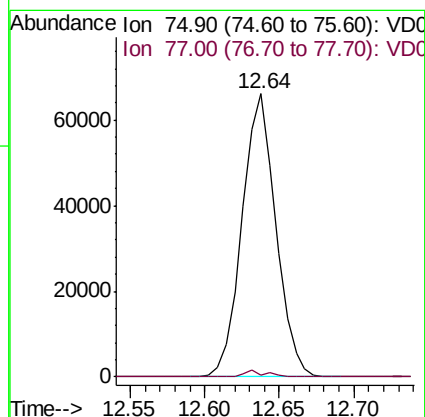
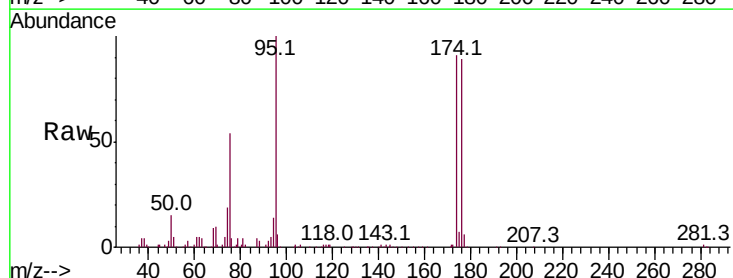
Tot Ion:152 Resp: 235339
Ion Ratio Lower Upper
152 100
115 57.8 29.3 88.0
150 154.8 0.0 338.2

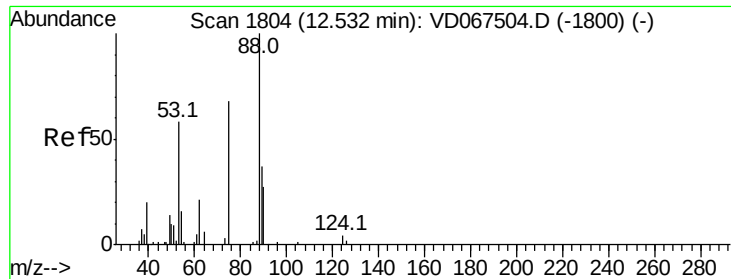


#76

1,2,3-Trichloropropane
Concen: 72.851 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067539.D
Acq: 05 Nov 2020 16:13

Tgt Ion: 75 Resp: 103427
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 147.908 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067539.D

Acq: 05 Nov 2020 16:13

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

Tot Ion: 75 Resp: 103427

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#

