

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067327.D
 Acq On : 20 Oct 2020 16:40
 Operator : VA/SY
 Sample : L4436-07
 Misc : 10.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 35B

Quant Time: Oct 21 01:51:06 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

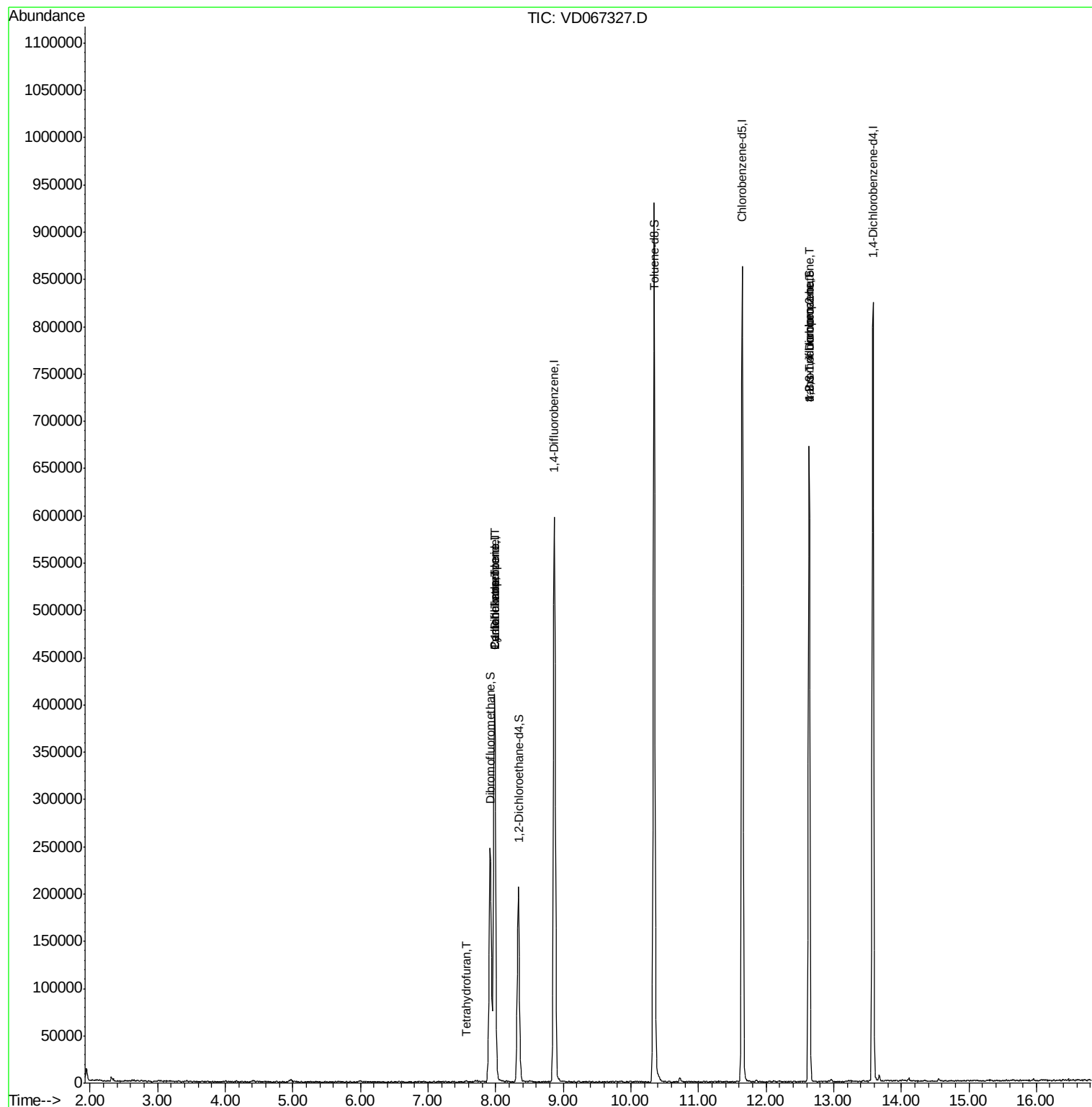
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	312911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	525889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234259	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	172731	55.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.20%	
35) Dibromofluoromethane	7.92	113	175882	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
50) Toluene-d8	10.34	98	638931	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.64	95	215554	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.97	85	68	Below Cal	#	44
5) Bromomethane	2.77	94	72	Below Cal	#	75
20) Methylene Chloride	4.96	84	1912	Below Cal		93
29) Tetrahydrofuran	7.56	42	488	1.754	ug/l #	37
31) Cyclohexane	7.98	56	6212	1.720	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	22757	4.975	ug/l #	51
38) Carbon Tetrachloride	7.98	117	32801	5.611	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	110488	68.050	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110488	154.317	ug/l #	10

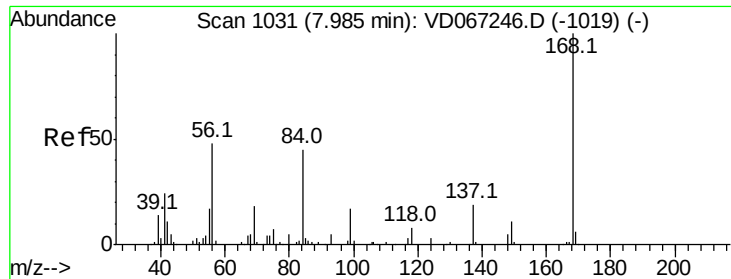
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067327.D

Acq: 20 Oct 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

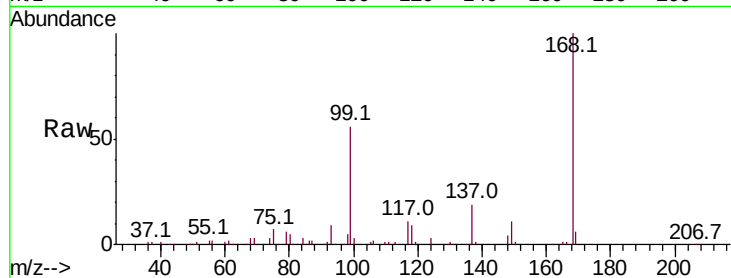
35B

Tot Ion:168 Resp: 312911

Ion Ratio Lower Upper

168 100

99 55.8 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

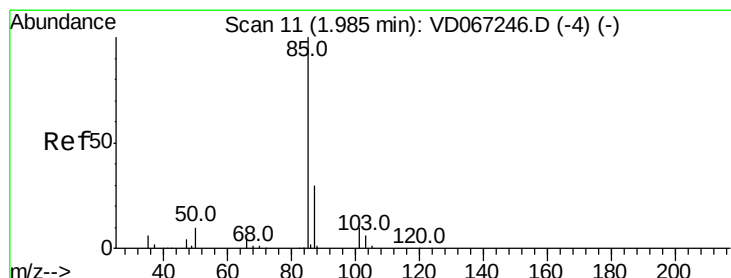
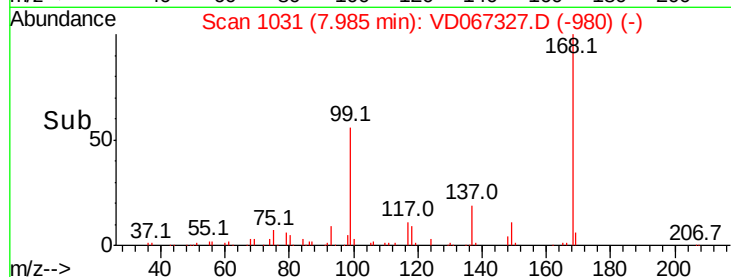
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.97 min Scan# 9

Delta R.T. -0.01 min

Lab File: VD067327.D

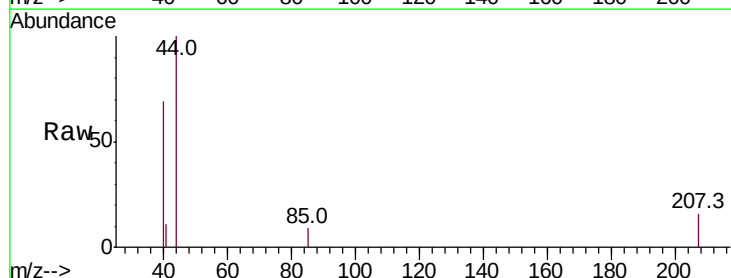
Acq: 20 Oct 2020 16:40

Tgt Ion: 85 Resp: 68

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

1.97

200

150

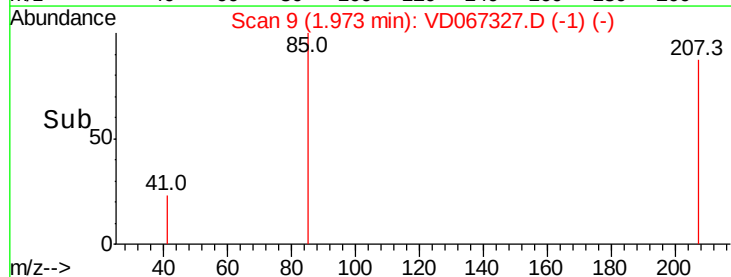
100

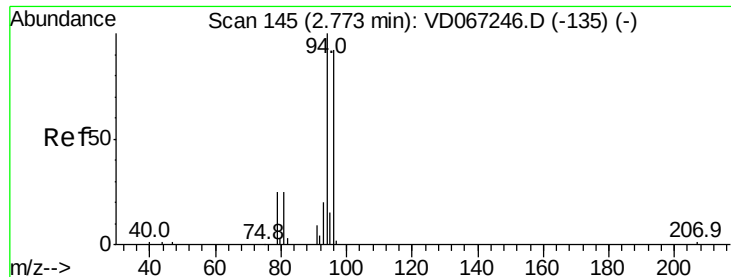
50

0

Time-->

1.95 1.96 1.97 1.98 1.99





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067327.D

Acq: 20 Oct 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

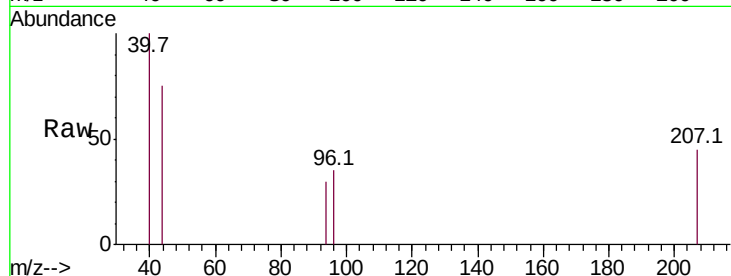
35B

Tot Ion: 94 Resp: 72

Ion Ratio Lower Upper

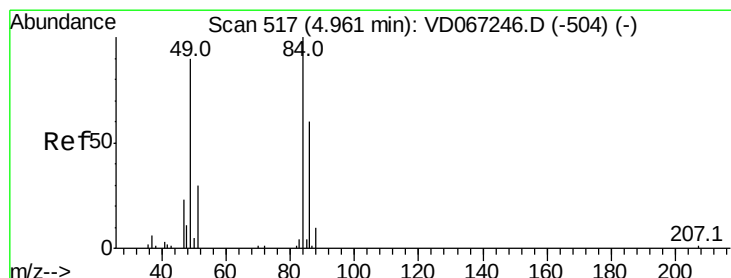
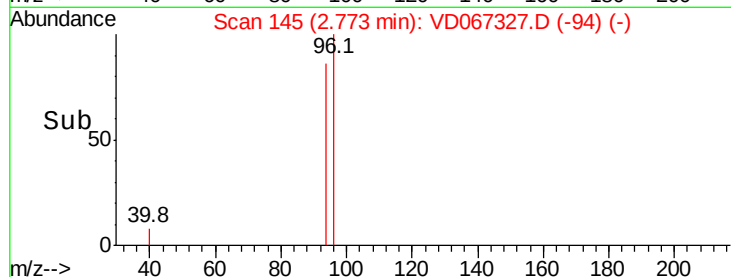
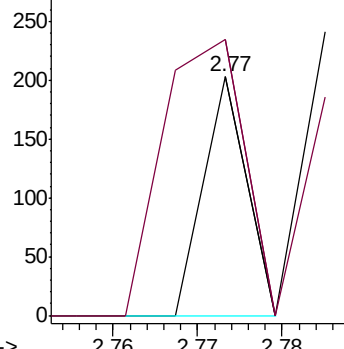
94 100

96 115.8 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067327.D

Acq: 20 Oct 2020 16:40

Tgt Ion: 84 Resp: 1912

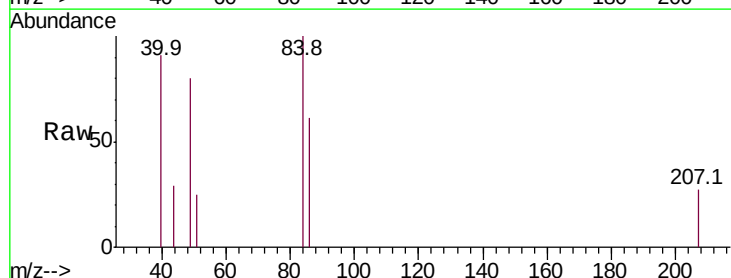
Ion Ratio Lower Upper

84 100

49 80.1 72.2 108.2

51 24.6 23.8 35.8

86 61.0 48.2 72.4

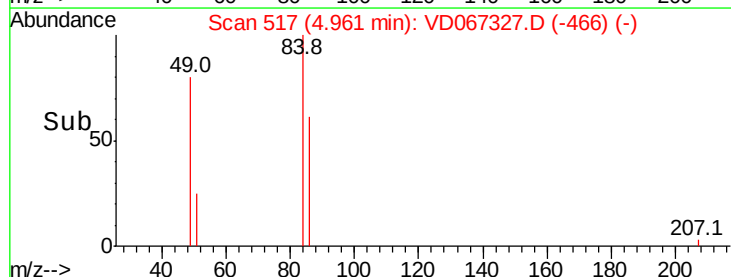
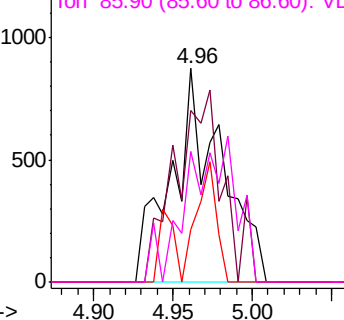


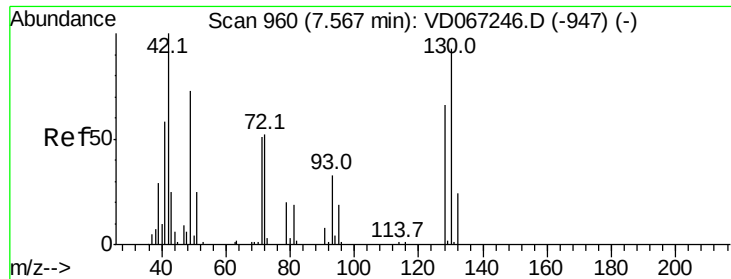
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

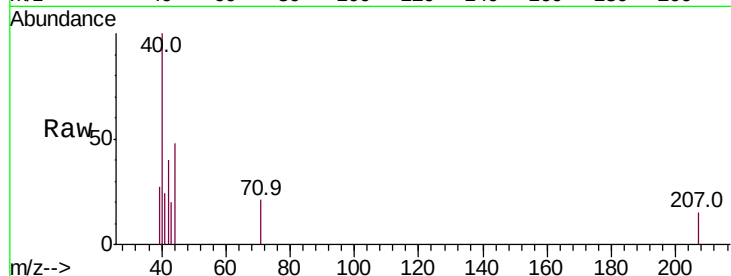




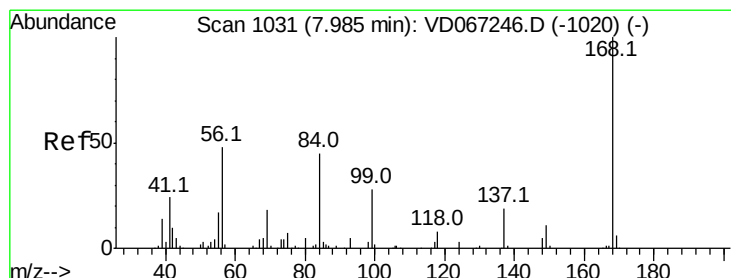
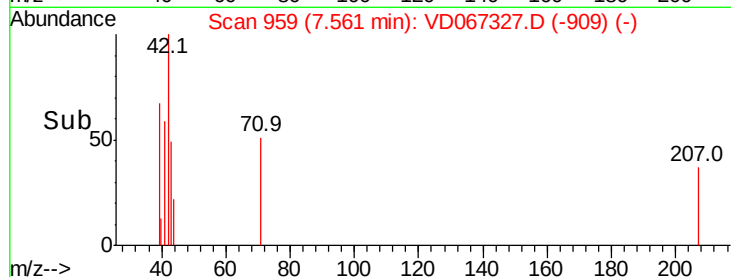
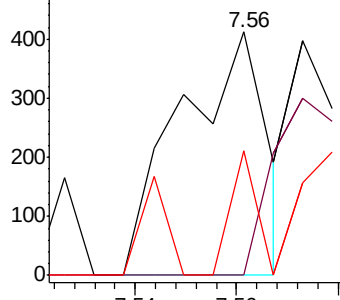
#29
Tetrahydrofuran
Concen: 1.754 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067327.D
Acq: 20 Oct 2020 16:40

Instrument :
MSVOA_D
ClientSampleId :
35B

Tot Ion: 42 Resp: 488
Ion Ratio Lower Upper
42 100
72 0.0 43.2 64.8#
71 15.2 39.4 59.0#

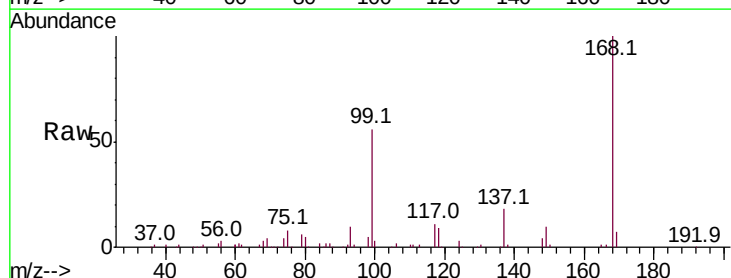


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

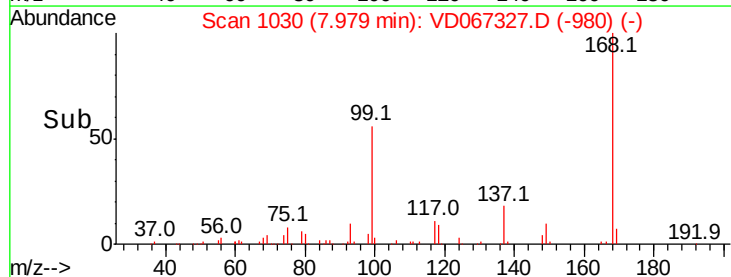
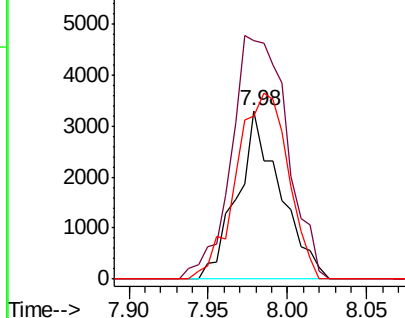


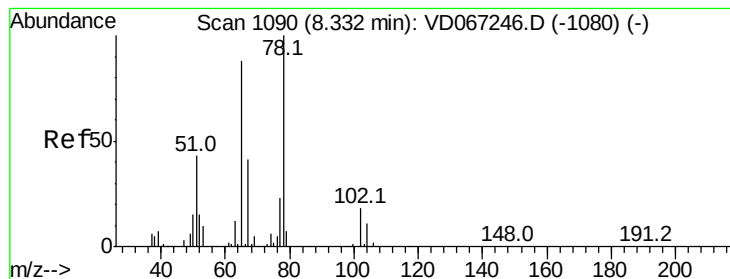
#31
Cyclohexane
Concen: 1.720 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067327.D
Acq: 20 Oct 2020 16:40

Tgt Ion: 56 Resp: 6212
Ion Ratio Lower Upper
56 100
69 141.7 29.8 44.6#
84 97.1 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

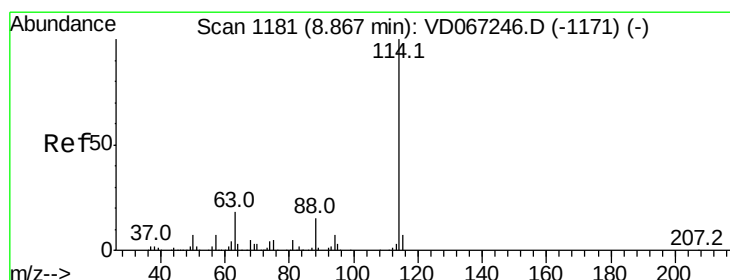
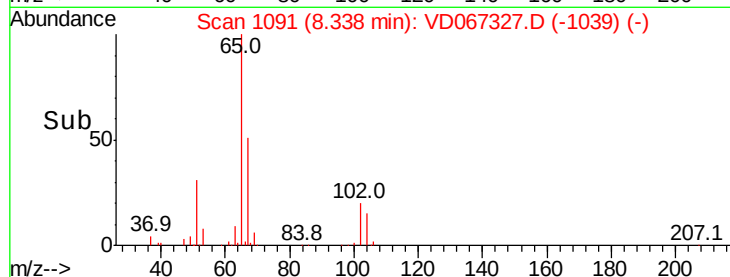
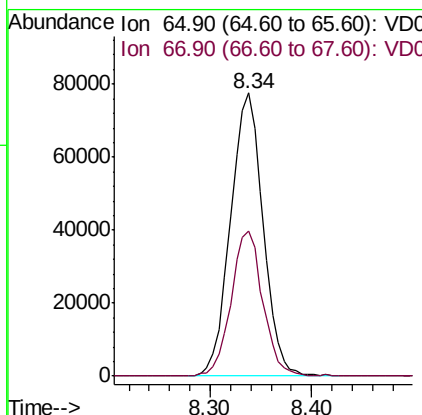
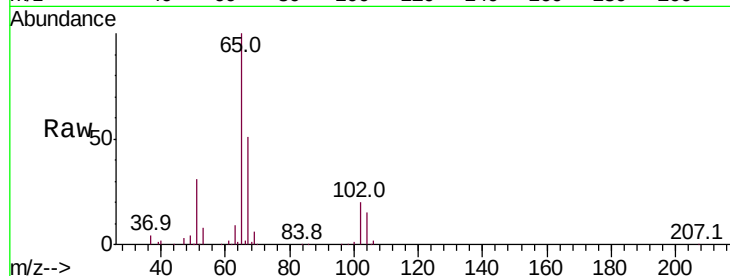




#33
 1,2-Dichloroethane-d4
 Concen: 55.099 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067327.D
 Acq: 20 Oct 2020 16:40

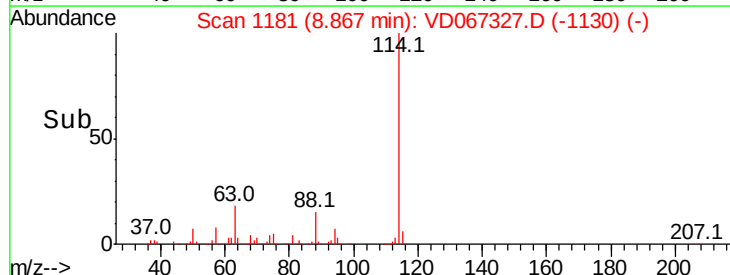
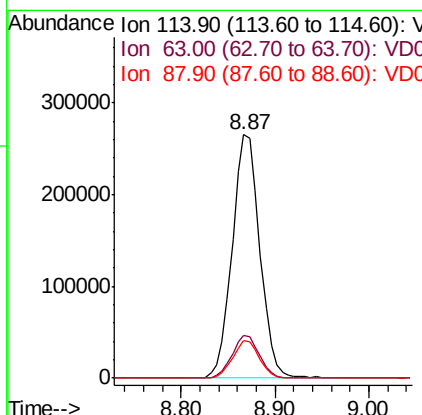
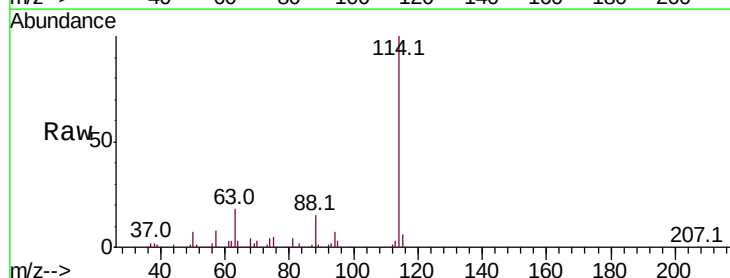
Instrument :
 MSVOA_D
 ClientSampleId :
 35B

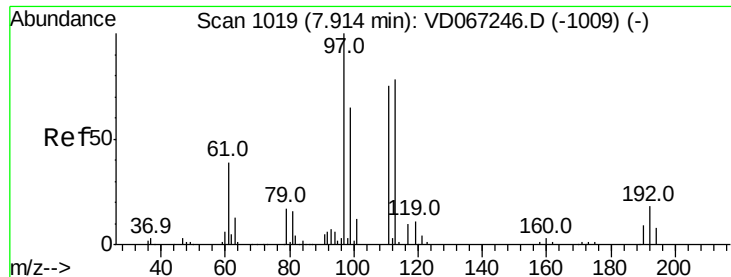
Tot Ion: 65 Resp: 172731
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067327.D
 Acq: 20 Oct 2020 16:40

Tgt Ion: 114 Resp: 539695
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.0
 88 15.5 0.0 30.6

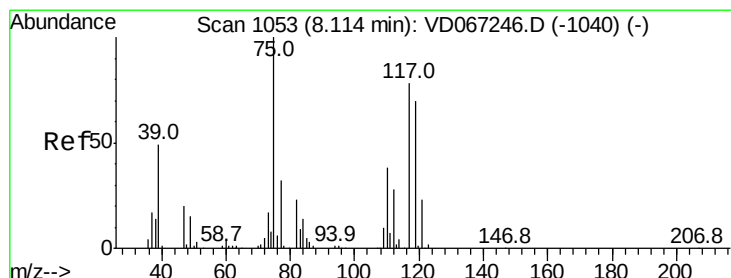
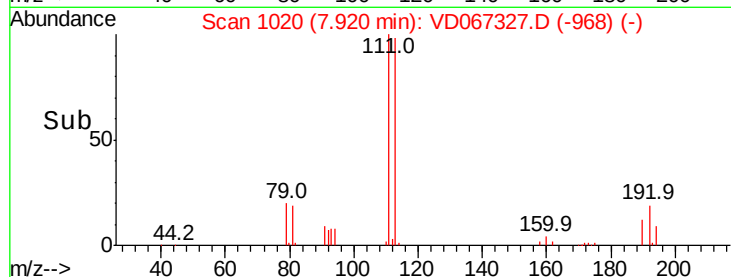
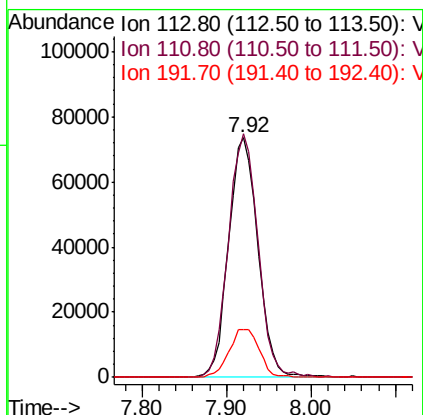
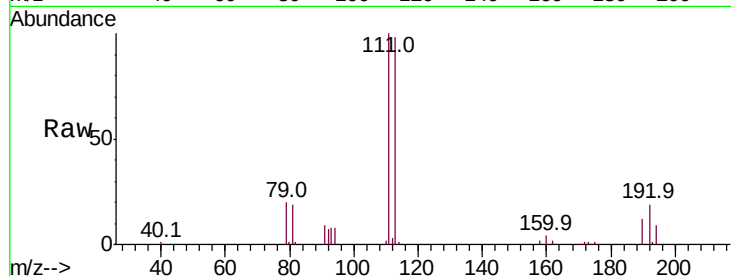




#35
 Dibromofluoromethane
 Concen: 48.969 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067327.D
 Acq: 20 Oct 2020 16:40

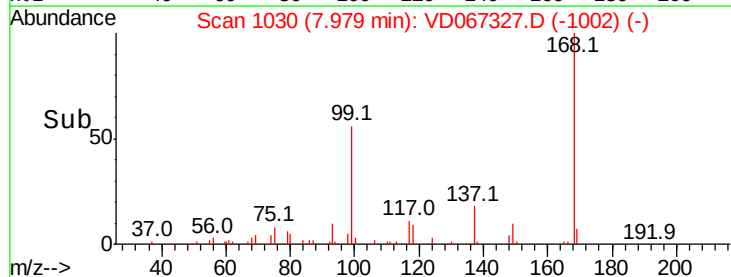
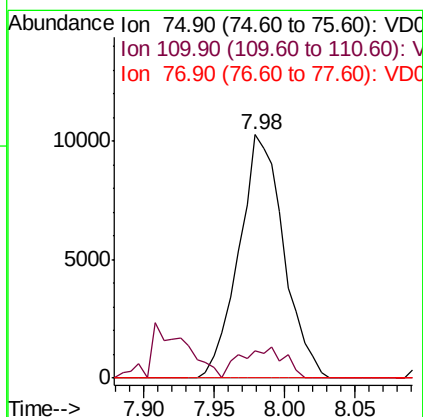
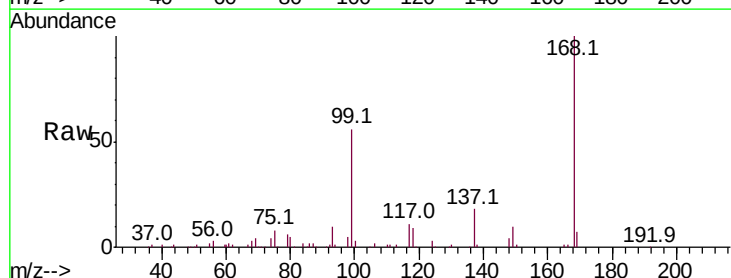
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 ClientSampleId :
 35B

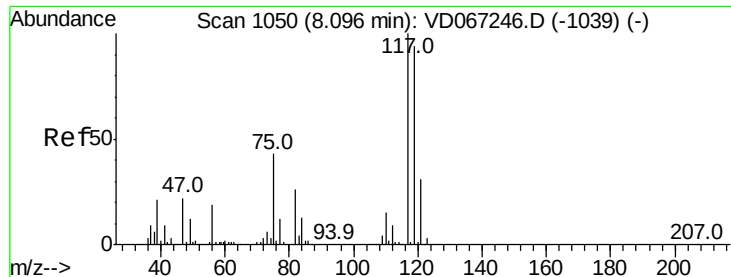
Tot Ion:113 Resp: 175882
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.6 122.4
 192 20.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067327.D
 Acq: 20 Oct 2020 16:40

Tgt Ion: 75 Resp: 22757
 Ion Ratio Lower Upper
 75 100
 110 12.6 19.6 58.7#
 77 0.0 24.6 37.0#

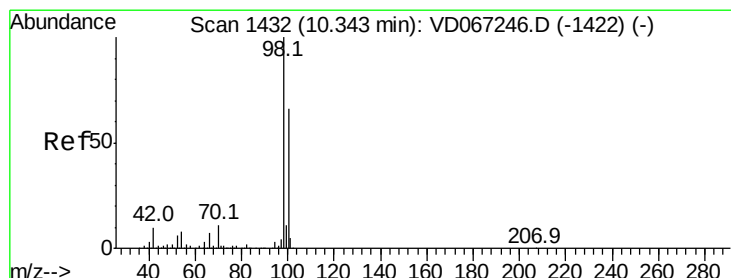
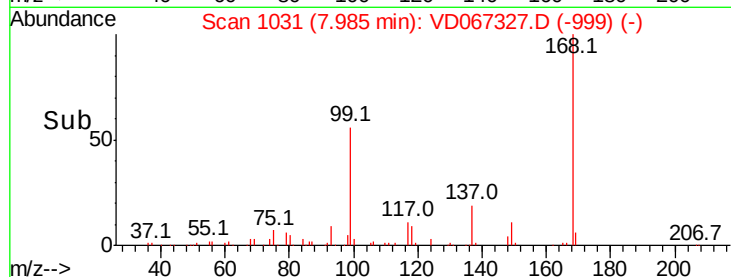
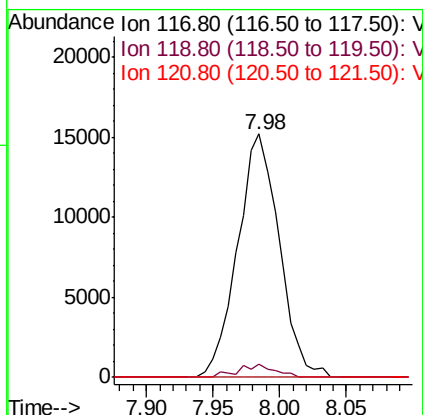
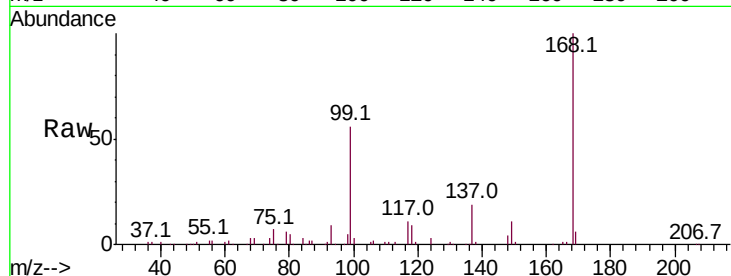




#38
Carbon Tetrachloride
Concen: 5.611 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067327.D
Acq: 20 Oct 2020 16:40

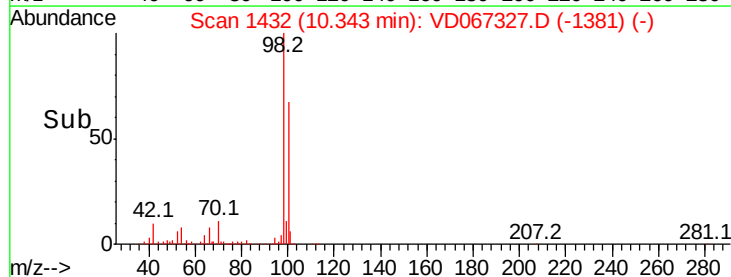
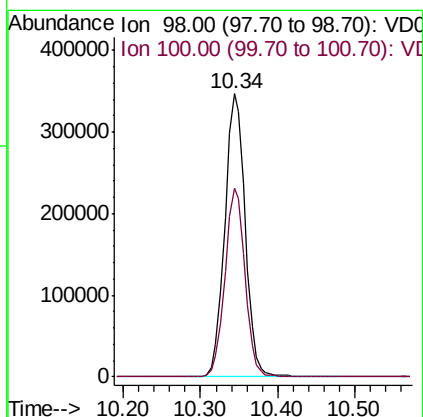
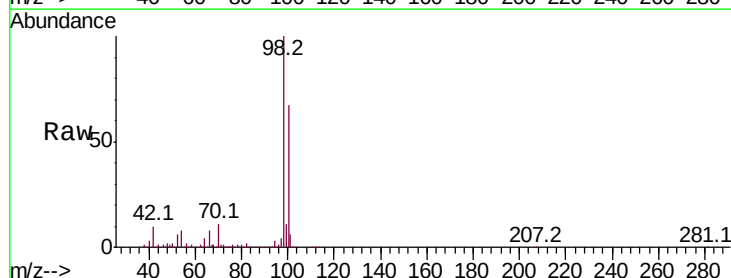
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MSVOA_D
ClientSampled :
35B

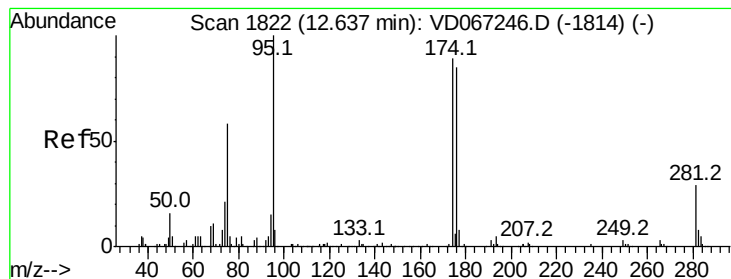
Tot Ion:117 Resp: 32801
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 49.156 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067327.D
Acq: 20 Oct 2020 16:40

Tgt Ion: 98 Resp: 638931
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 47.692 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067327.D

Acq: 20 Oct 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

35B

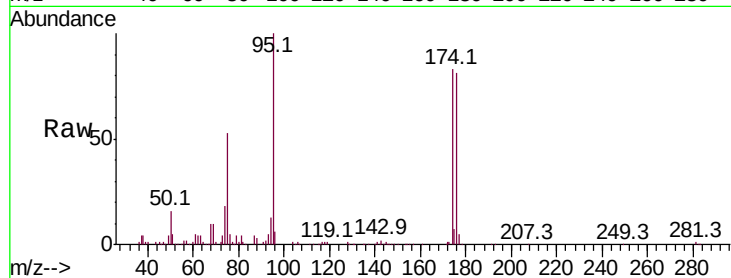
Tot Ion: 95 Resp: 215554

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.2

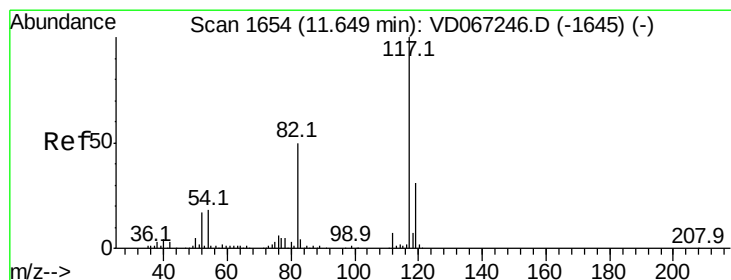
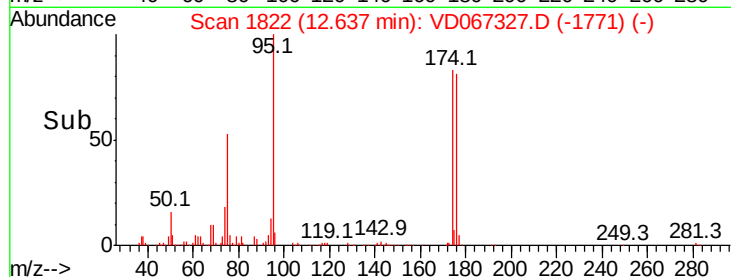
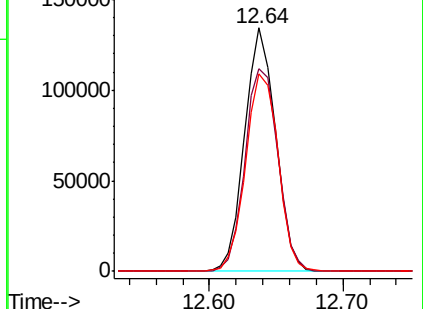
176 85.0 0.0 168.6



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: VD067327.D

Acq: 20 Oct 2020 16:40

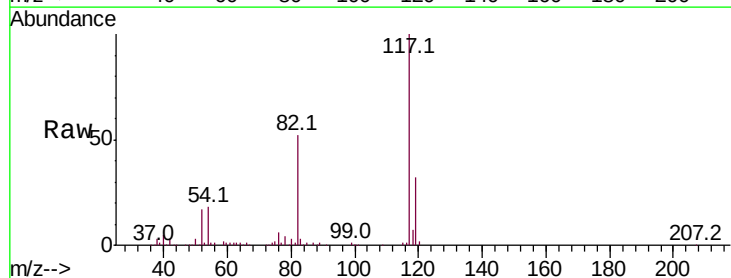
Tgt Ion: 117 Resp: 525889

Ion Ratio Lower Upper

117 100

82 51.8 39.9 59.9

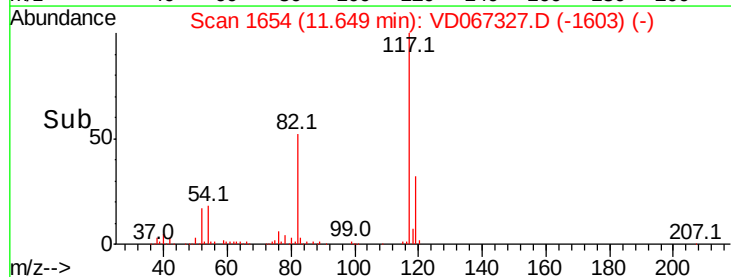
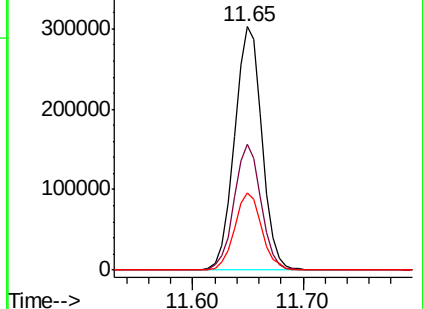
119 31.8 24.9 37.3

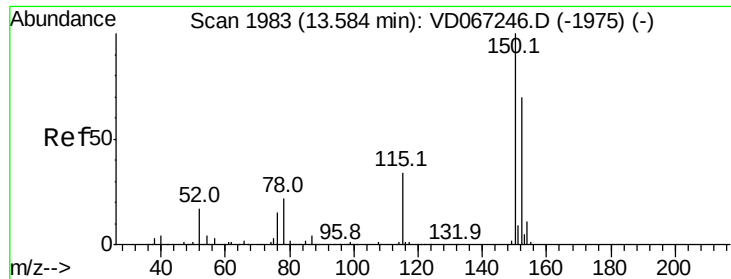


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



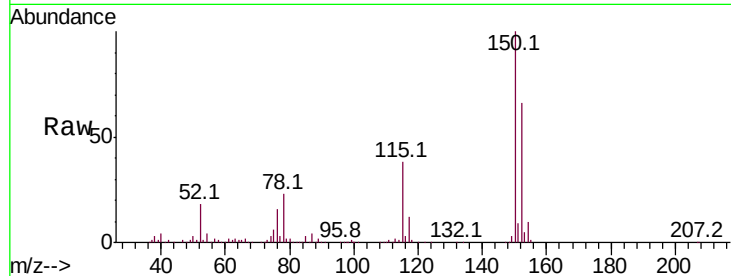


#72

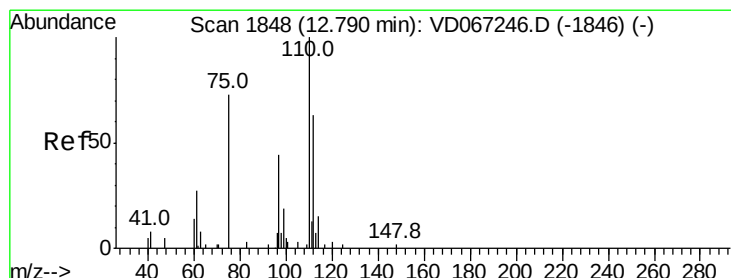
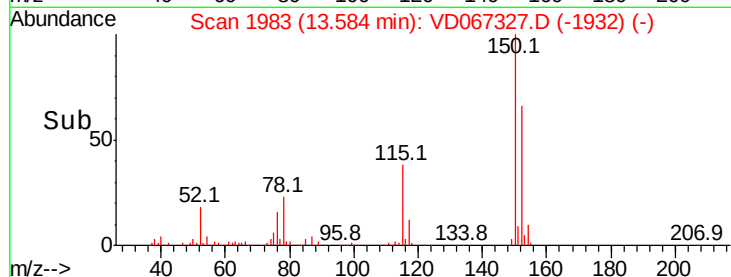
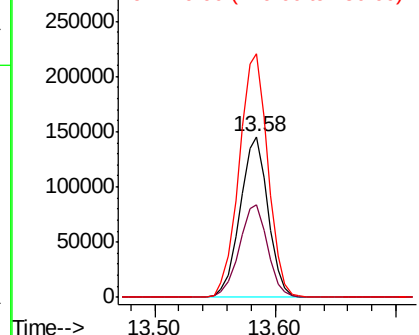
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067327.D
Acq: 20 Oct 2020 16:40

Instrument :
MSVOA_D
ClientSampled :
35B

Tot Ion:152 Resp: 234259
Ion Ratio Lower Upper
152 100
115 58.7 29.3 87.9
150 155.7 0.0 339.0



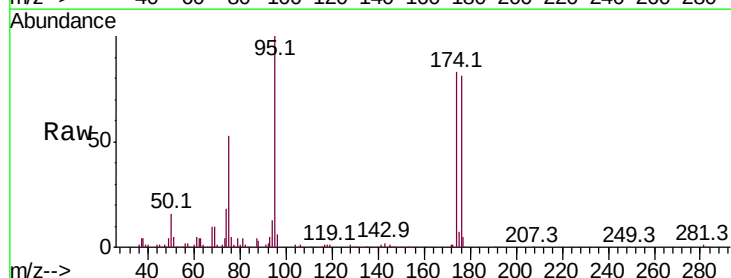
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



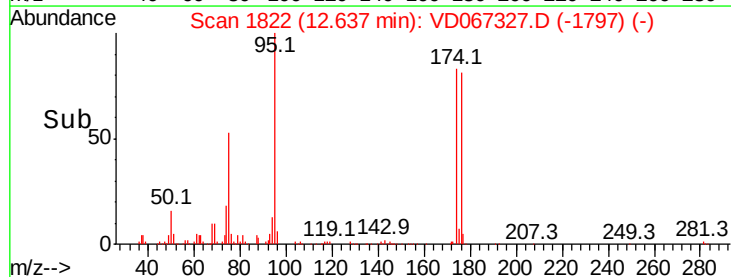
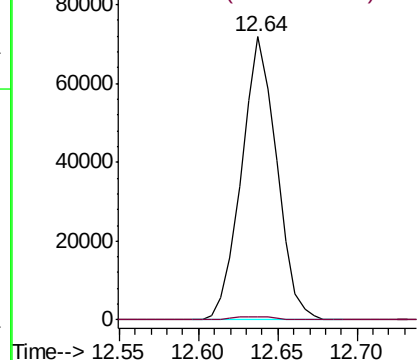
#76

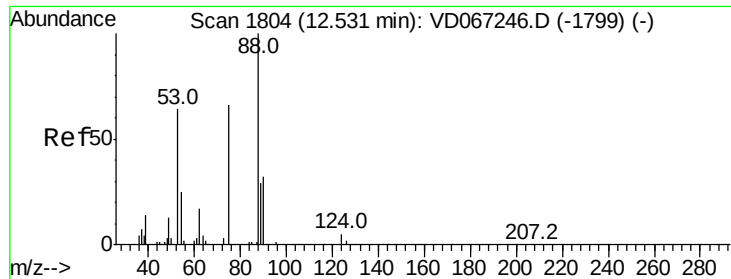
1,2,3-Trichloropropane
Concen: 68.050 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067327.D
Acq: 20 Oct 2020 16:40

Tgt Ion: 75 Resp: 110488
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: 154.317 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067327.D

Acq: 20 Oct 2020 16:40

Instrument :

MSVOA_D

ClientSampleId :

35B

Tot Ion: 75 Resp: 110488

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

