

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064345.D
 Acq On : 22 Nov 2019 14:07
 Operator : VA/SY
 Sample : K5977-08
 Misc : 5.45G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:46:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	853690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1235254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1087216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	513964	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	353204	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	7.92	113	369885	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	10.34	98	1445551	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.64	95	464876	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	

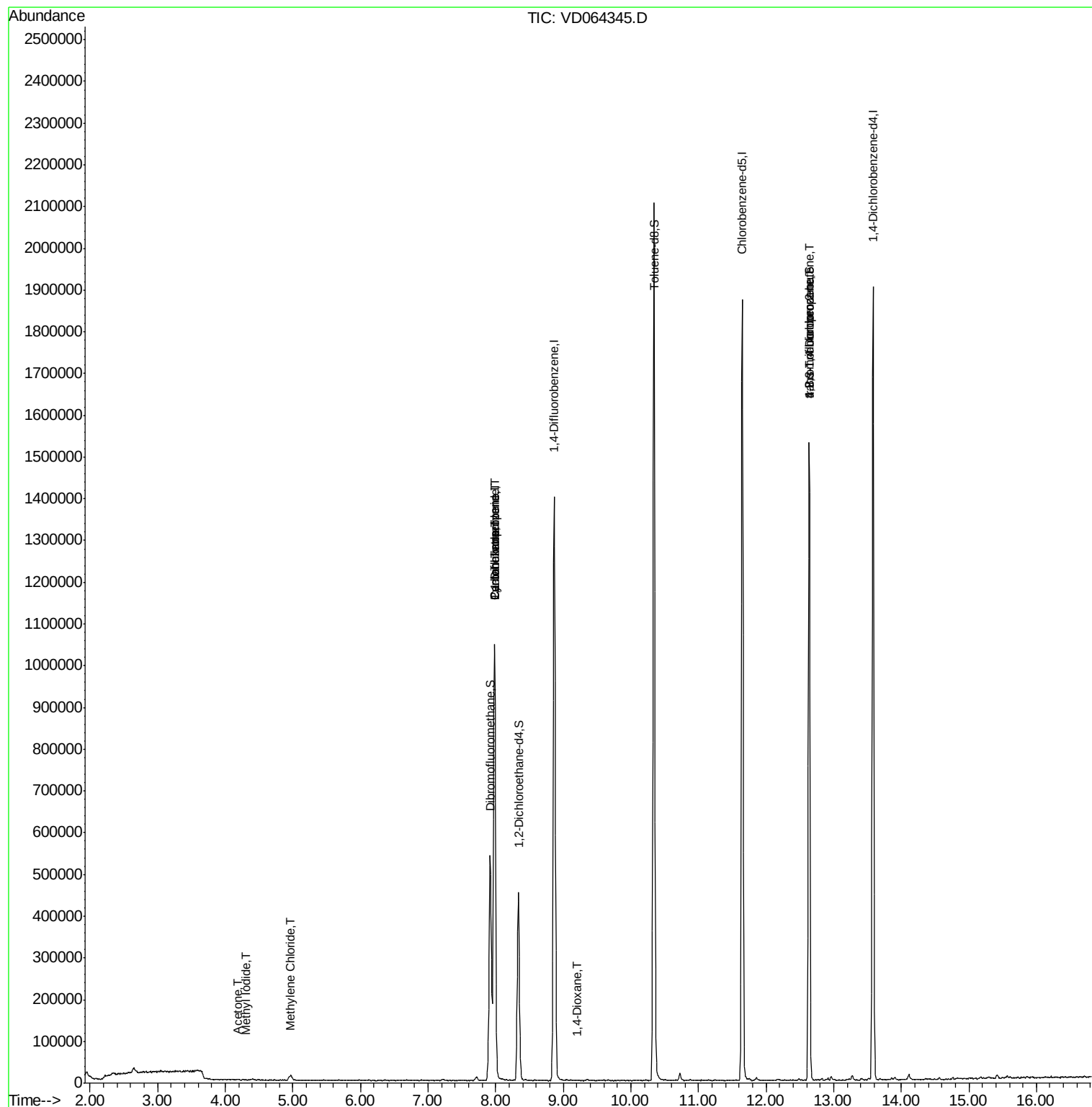
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	612	2.100	ug/l #	46
16) Acetone	4.17	43	2706	1.627	ug/l #	45
20) Methylene Chloride	4.96	84	9531	1.134	ug/l #	67
31) Cyclohexane	7.98	56	17406	1.263	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	56093	4.920	ug/l #	48
38) Carbon Tetrachloride	7.98	117	78196	6.410	ug/l #	16
49) 1,4-Dioxane	9.21	88	54	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	238490	57.609	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	238490	114.434	ug/l #	10

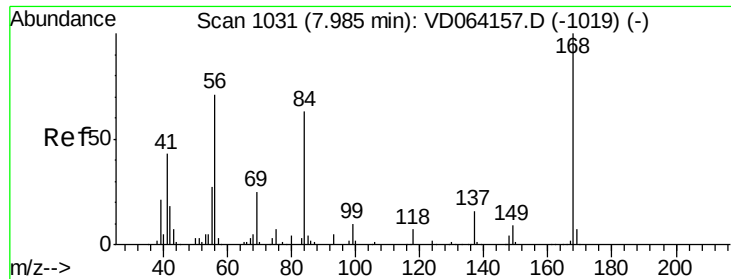
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 02:43:24 2019
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: VD064345.D

Acq: 22 Nov 2019 14:07

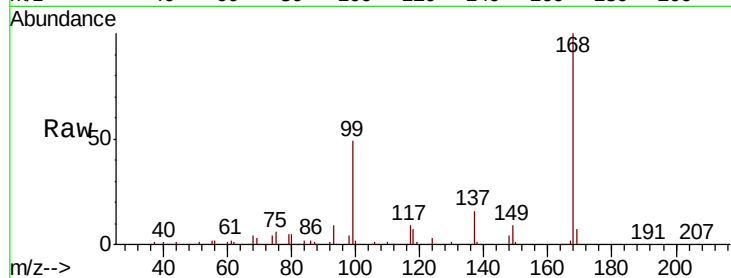
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 853690

Ion Ratio Lower Upper

168 100

99 49.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

400000

300000

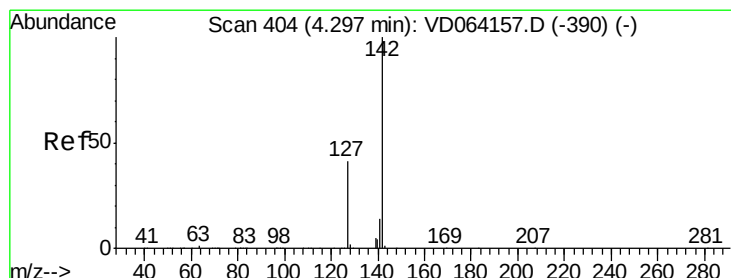
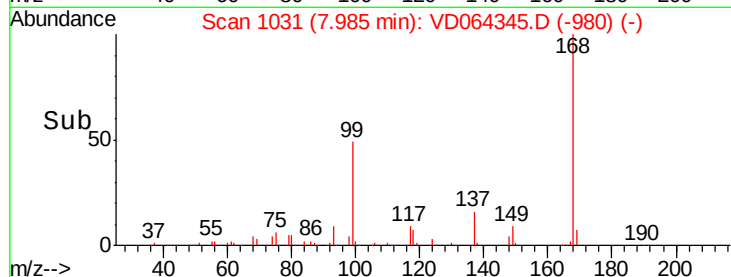
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.100 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD064345.D

Acq: 22 Nov 2019 14:07

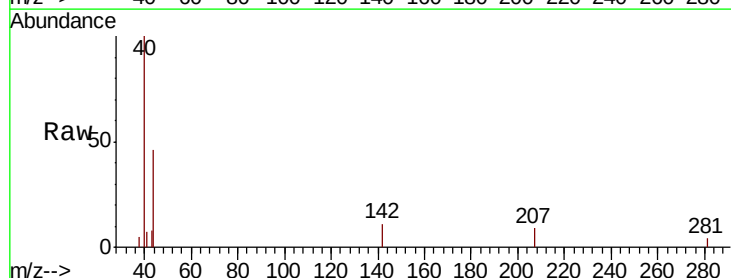
Tgt Ion:142 Resp: 612

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 9.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.31

600

500

400

300

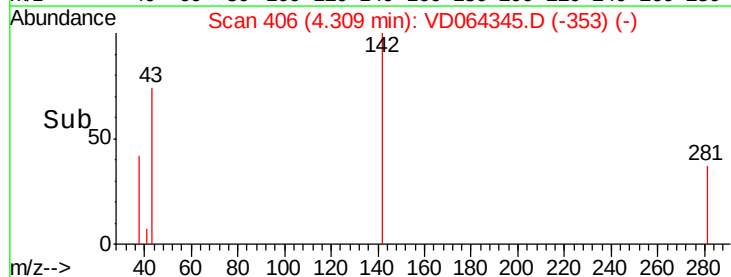
200

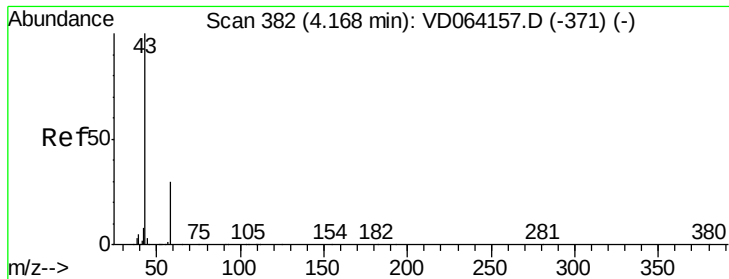
100

0

Time-->

4.26 4.28 4.30 4.32

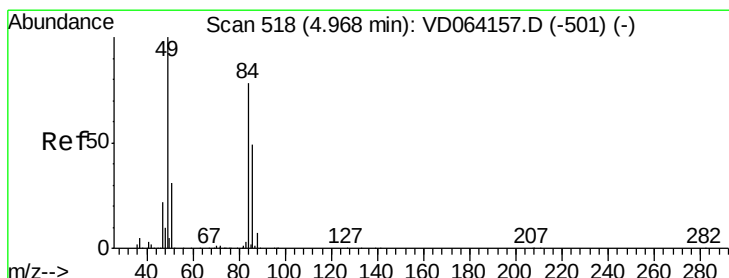
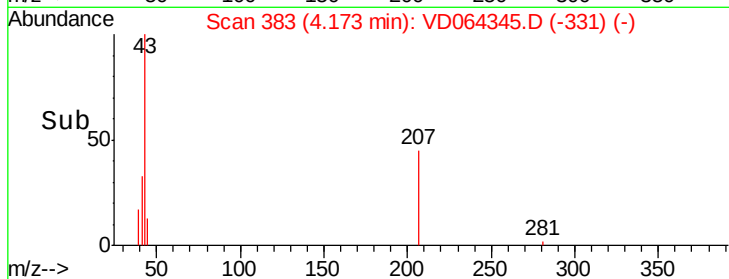
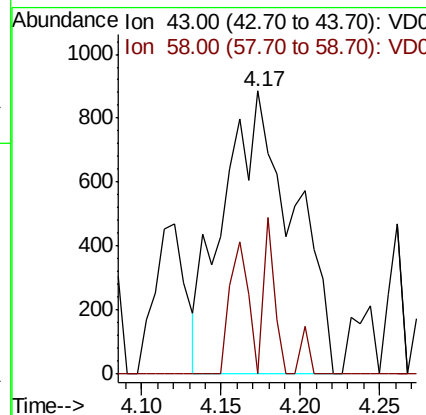
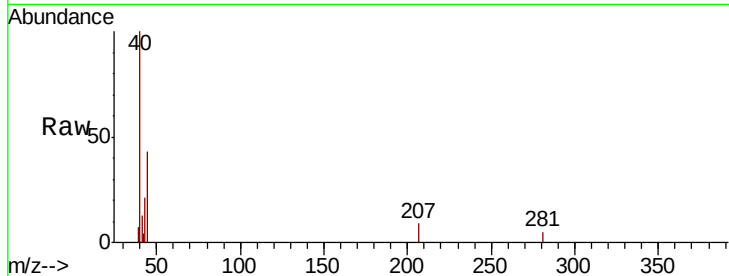




#16
Acetone
Concen: 1.627 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD064345.D
Acq: 22 Nov 2019 14:07

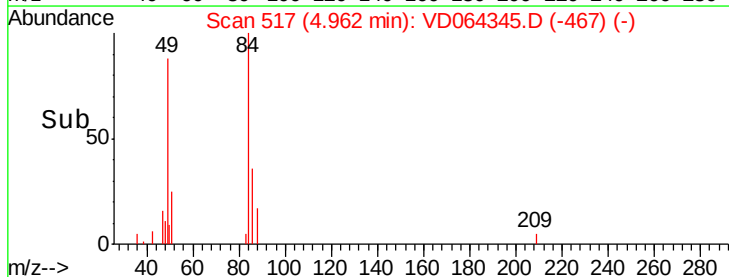
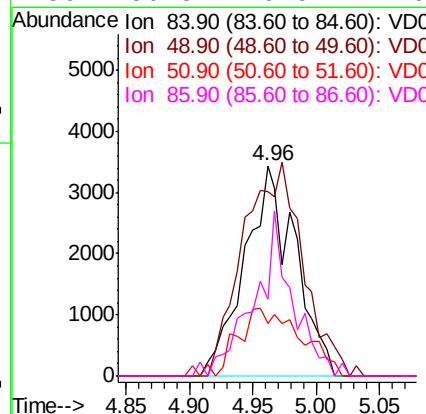
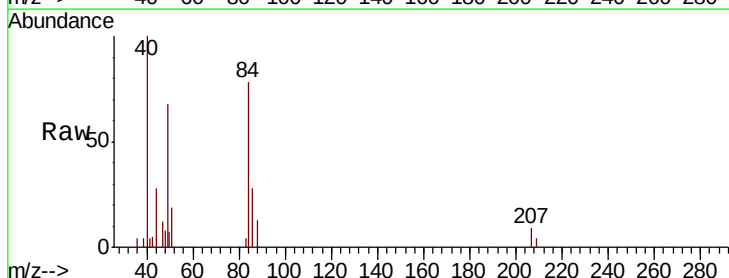
Instrument :
MSVOA_D
ClientSampled :

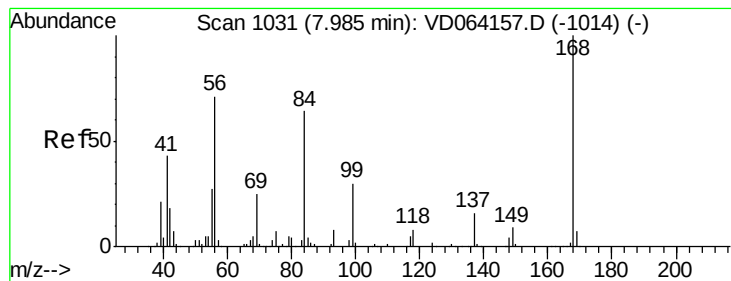
Tot Ion: 43 Resp: 2706
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#



#20
Methylene Chloride
Concen: 1.134 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064345.D
Acq: 22 Nov 2019 14:07

Tgt Ion: 84 Resp: 9531
Ion Ratio Lower Upper
84 100
49 87.8 102.1 153.1#
51 24.8 32.2 48.2#
86 36.3 49.9 74.9#





#31

Cyclohexane

Concen: 1.263 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064345.D

Acq: 22 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

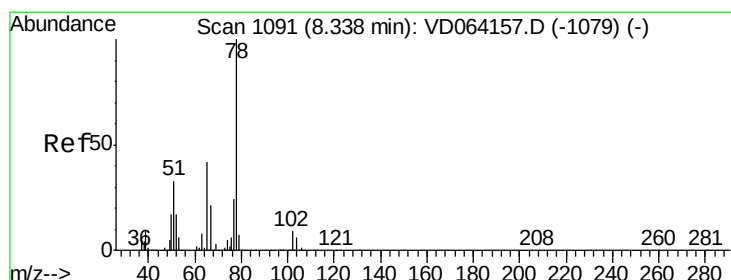
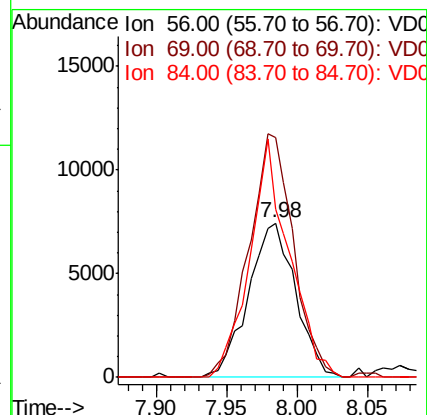
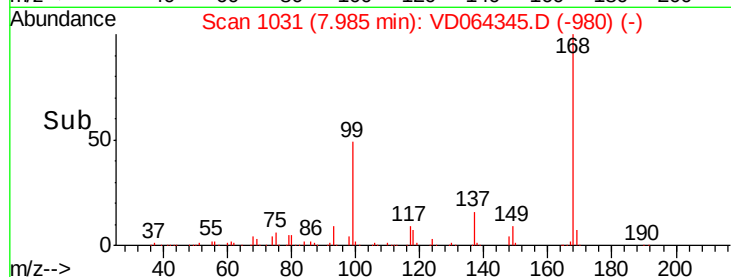
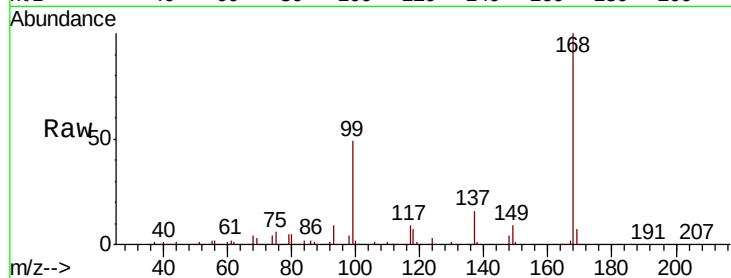
Tot Ion: 56 Resp: 17406

Ion Ratio Lower Upper

56 100

69 155.2 28.2 42.4#

84 108.6 71.8 107.6#



#33

1,2-Dichloroethane-d4

Concen: 50.306 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064345.D

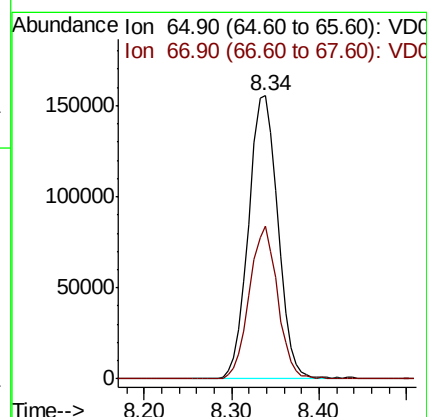
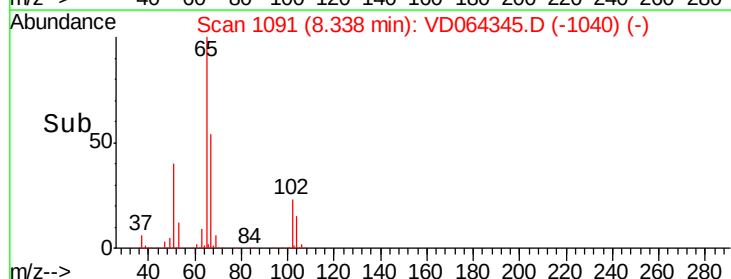
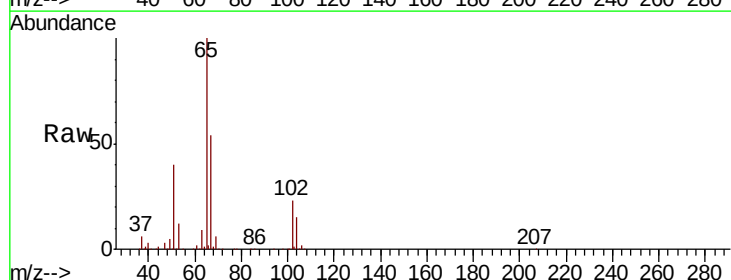
Acq: 22 Nov 2019 14:07

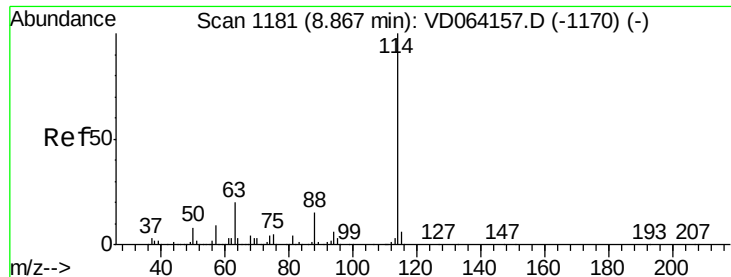
Tgt Ion: 65 Resp: 353204

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.4

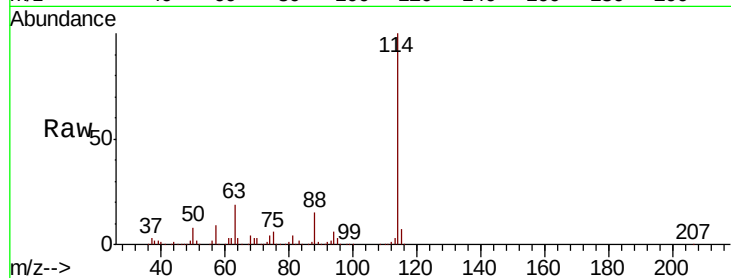




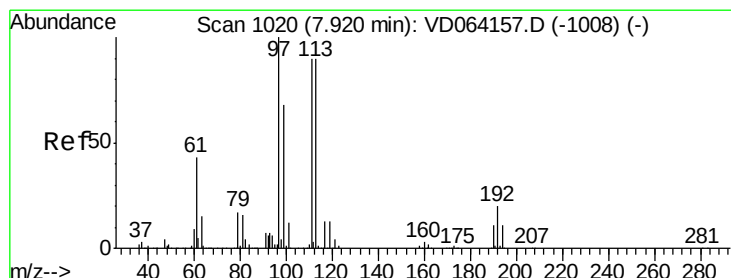
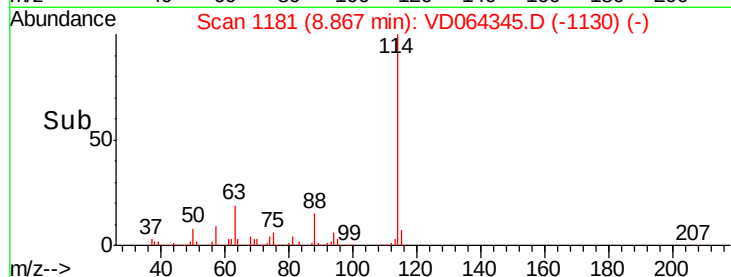
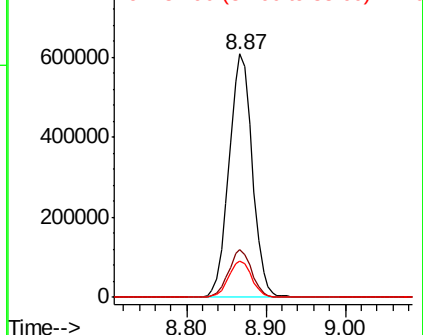
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064345.D
Acq: 22 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 1235254
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.0
88 15.0 0.0 30.2

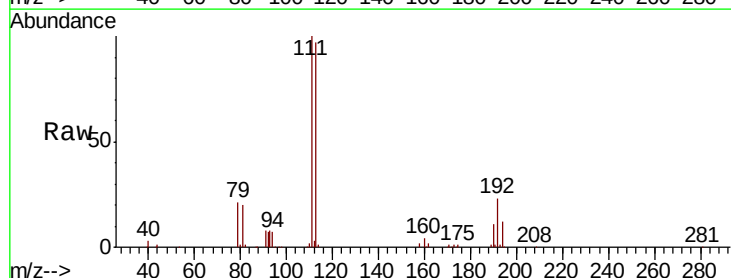


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

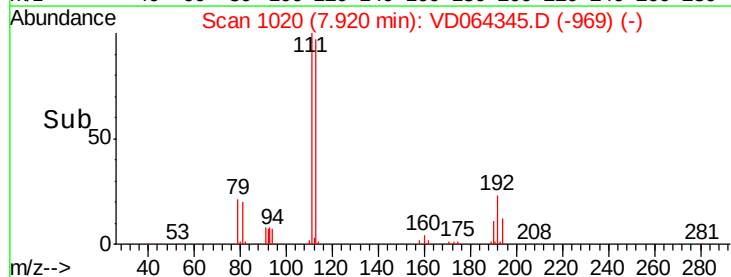
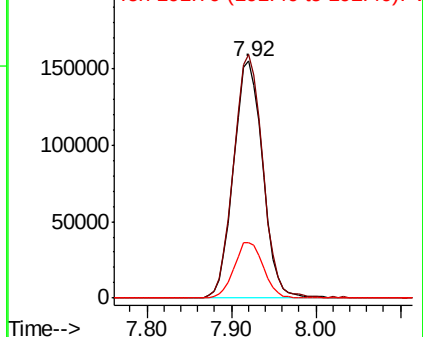


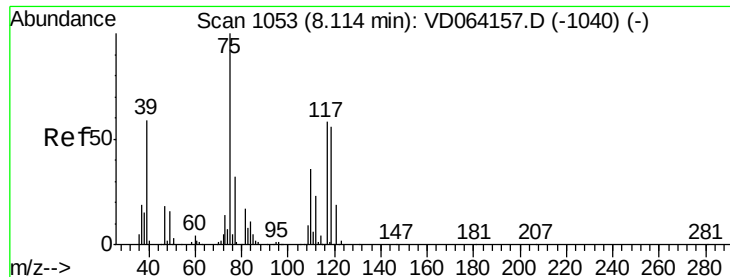
#35
Dibromofluoromethane
Concen: 52.166 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064345.D
Acq: 22 Nov 2019 14:07

Tgt Ion:113 Resp: 369885
Ion Ratio Lower Upper
113 100
111 102.5 81.5 122.3
192 23.7 18.8 28.2



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

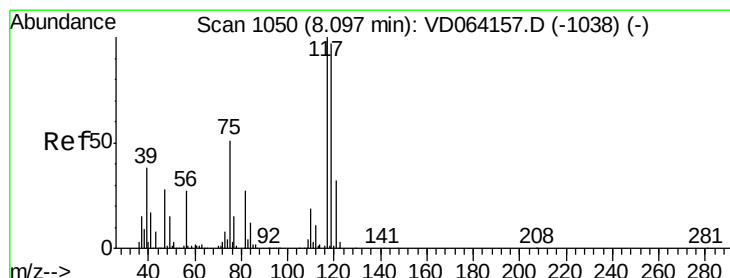
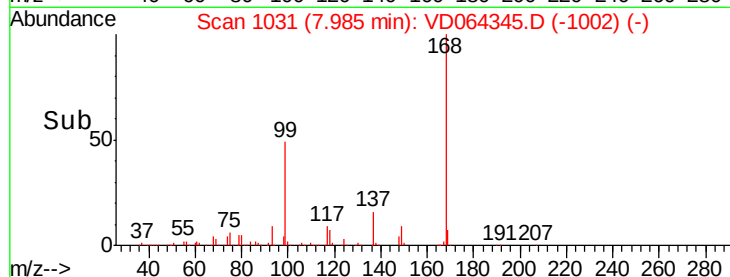
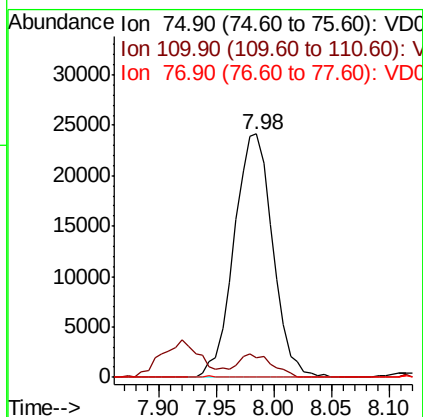
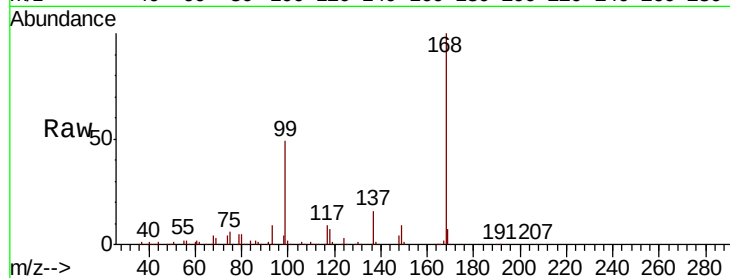




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064345.D
 Acq: 22 Nov 2019 14:07

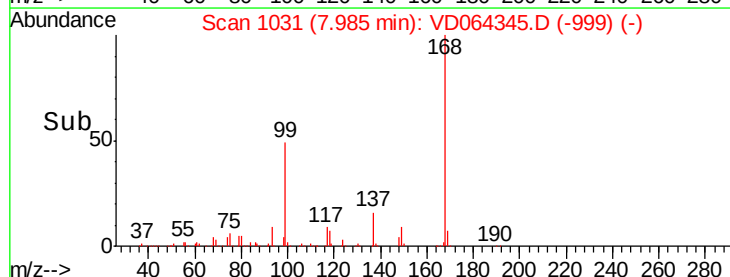
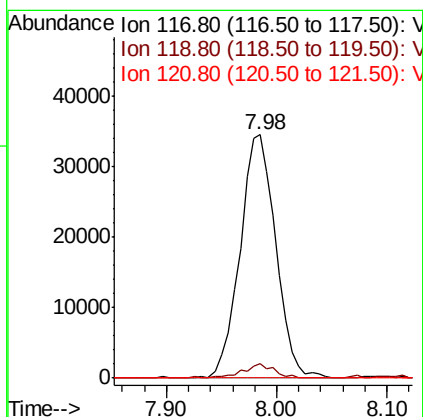
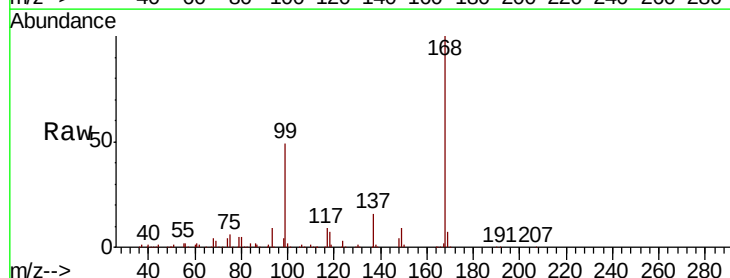
Instrument :
 MSVOA_D
 ClientSampleId :

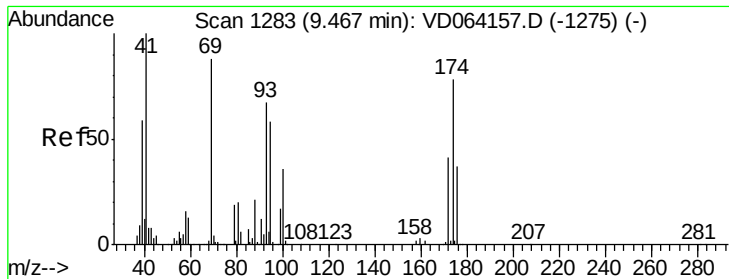
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.410 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064345.D
 Acq: 22 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	77.2	115.8#
121	0.0	25.5	38.3#

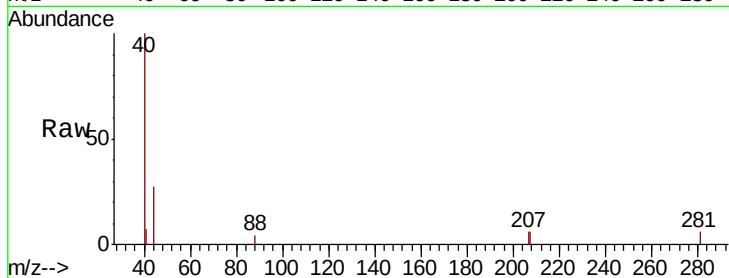




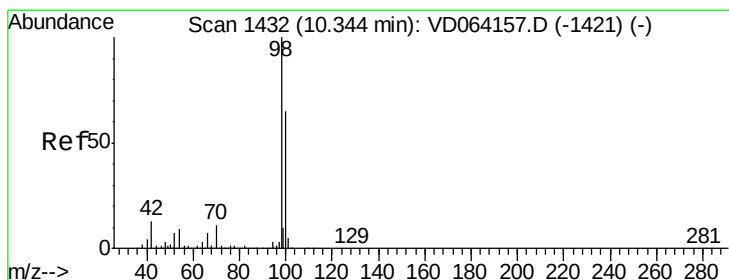
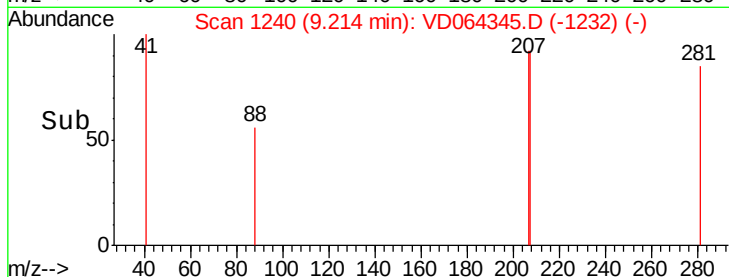
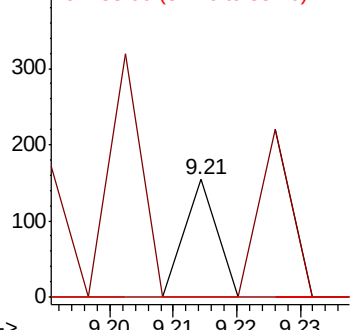
#49
1,4-Dioxane
Concen: 1.107 ug/l
RT: 9.21 min Scan# 1240
Delta R.T. -0.25 min
Lab File: VD064345.D
Acq: 22 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 144.4 29.8 44.8#
58 0.0 58.1 87.1#

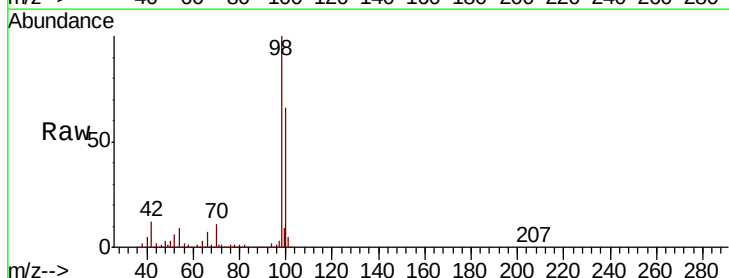


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

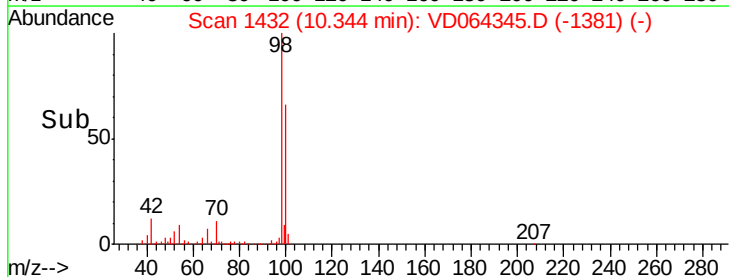
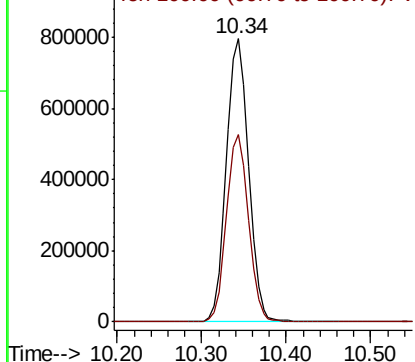


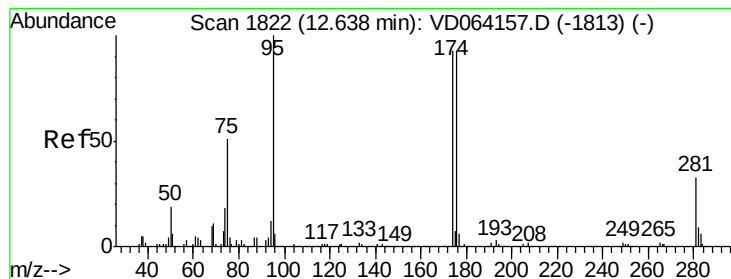
#50
Toluene-d8
Concen: 54.042 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064345.D
Acq: 22 Nov 2019 14:07

Tgt Ion: 98 Resp: 1445551
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



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





#62

4-Bromofluorobenzene

Concen: 50.185 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064345.D

Acq: 22 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

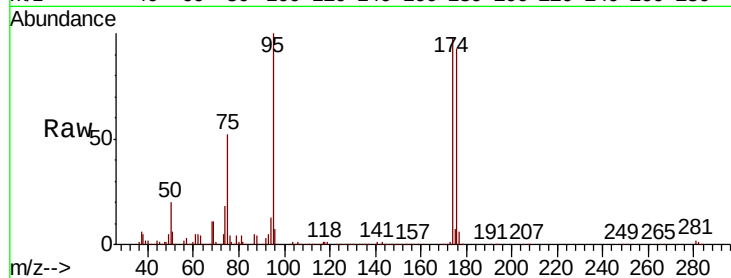
Tot Ion: 95 Resp: 464876

Ion Ratio Lower Upper

95 100

174 96.0 0.0 183.6

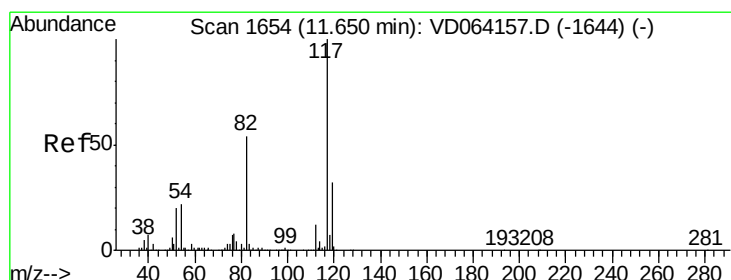
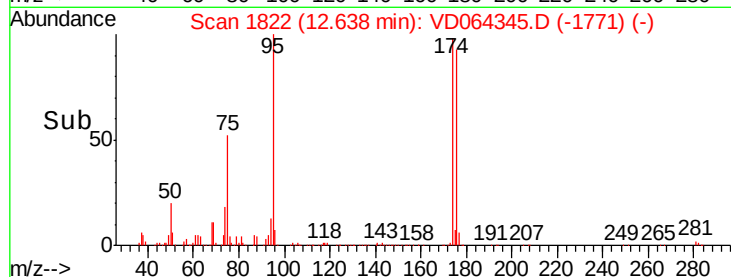
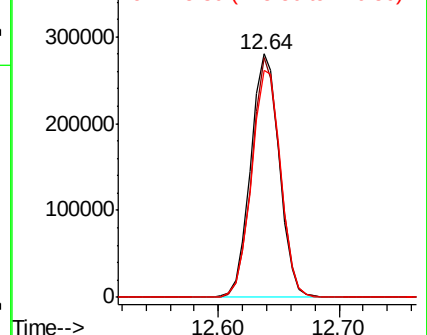
176 94.5 0.0 180.2



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: VD064345.D

Acq: 22 Nov 2019 14:07

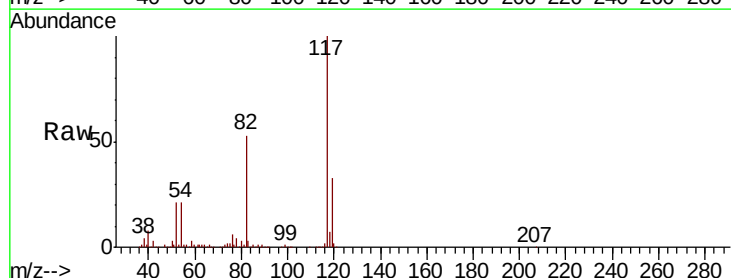
Tgt Ion: 117 Resp: 1087216

Ion Ratio Lower Upper

117 100

82 53.0 42.8 64.2

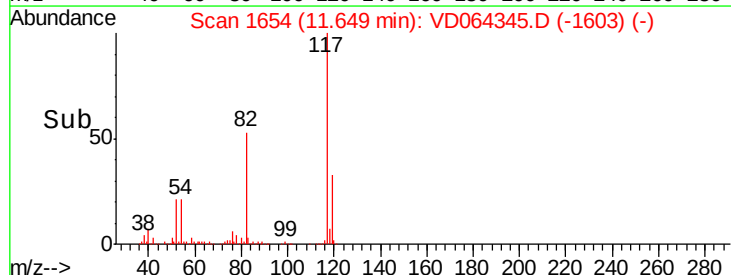
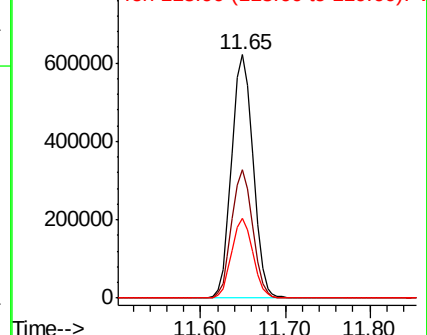
119 32.7 25.6 38.4

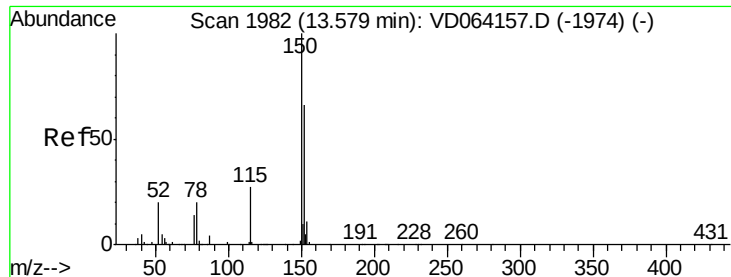


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

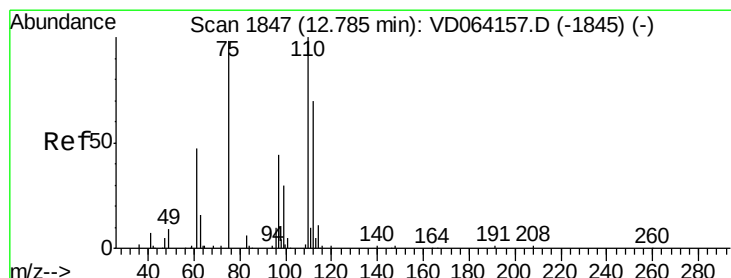
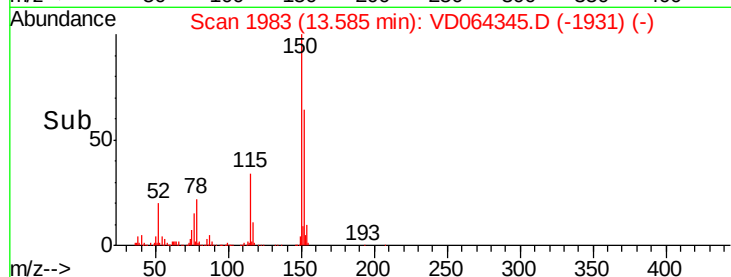
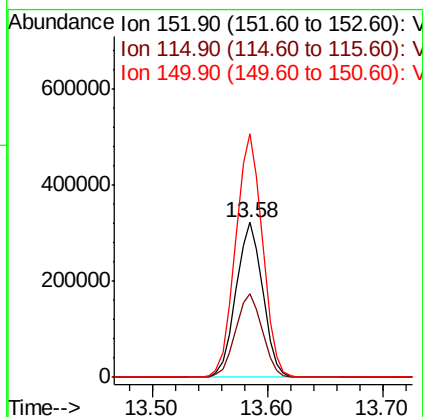
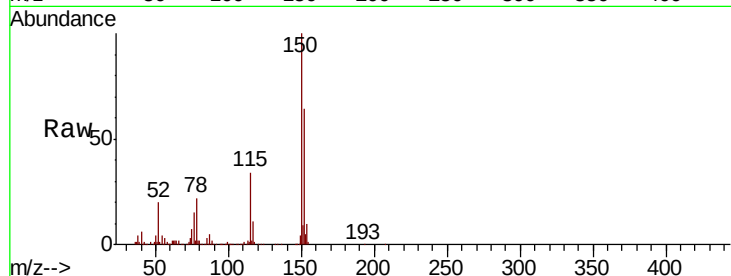




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VD064345.D
 Acq: 22 Nov 2019 14:07

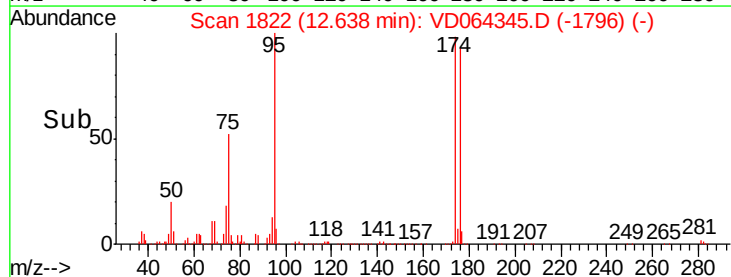
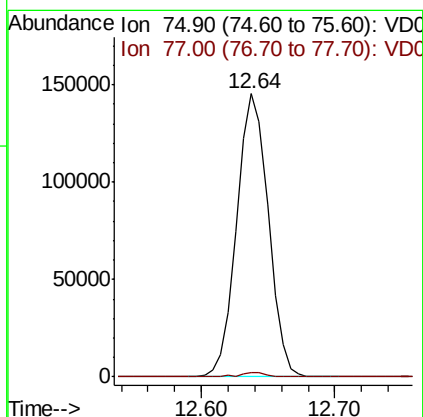
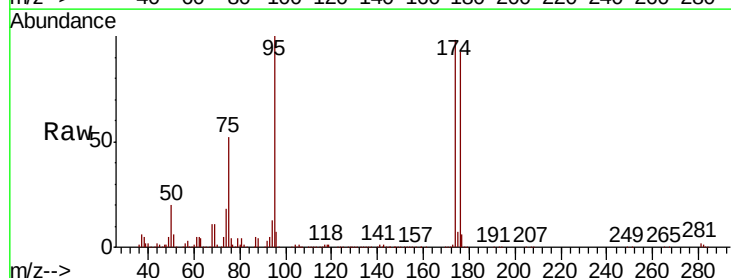
Instrument :
 MSVOA_D
 ClientSampleId :

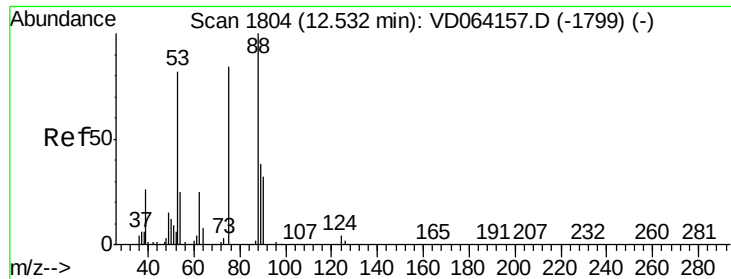
Tot Ion:152 Resp: 513964
 Ion Ratio Lower Upper
 152 100
 115 54.2 27.4 82.2
 150 158.1 0.0 351.6



#76
 1,2,3-Trichloropropane
 Concen: 57.609 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064345.D
 Acq: 22 Nov 2019 14:07

Tgt Ion: 75 Resp: 238490
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 114.434 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064345.D

Acq: 22 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

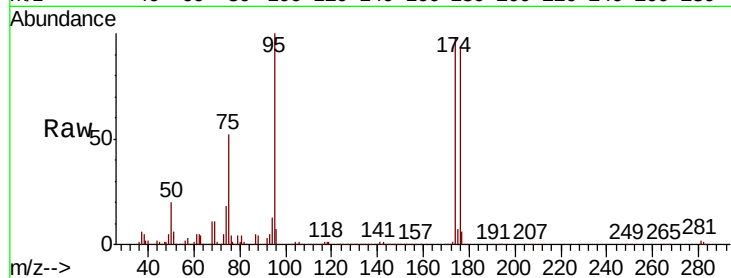
Tot Ion: 75 Resp: 238490

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



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

