

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064356.D
 Acq On : 25 Nov 2019 13:08
 Operator : VA/SY
 Sample : K5672-01
 Misc : 7.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:35:18 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	852272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1244952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1052914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	461593	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	357825	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
35) Dibromofluoromethane	7.92	113	370525	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
50) Toluene-d8	10.34	98	1429854	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.64	95	435442	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

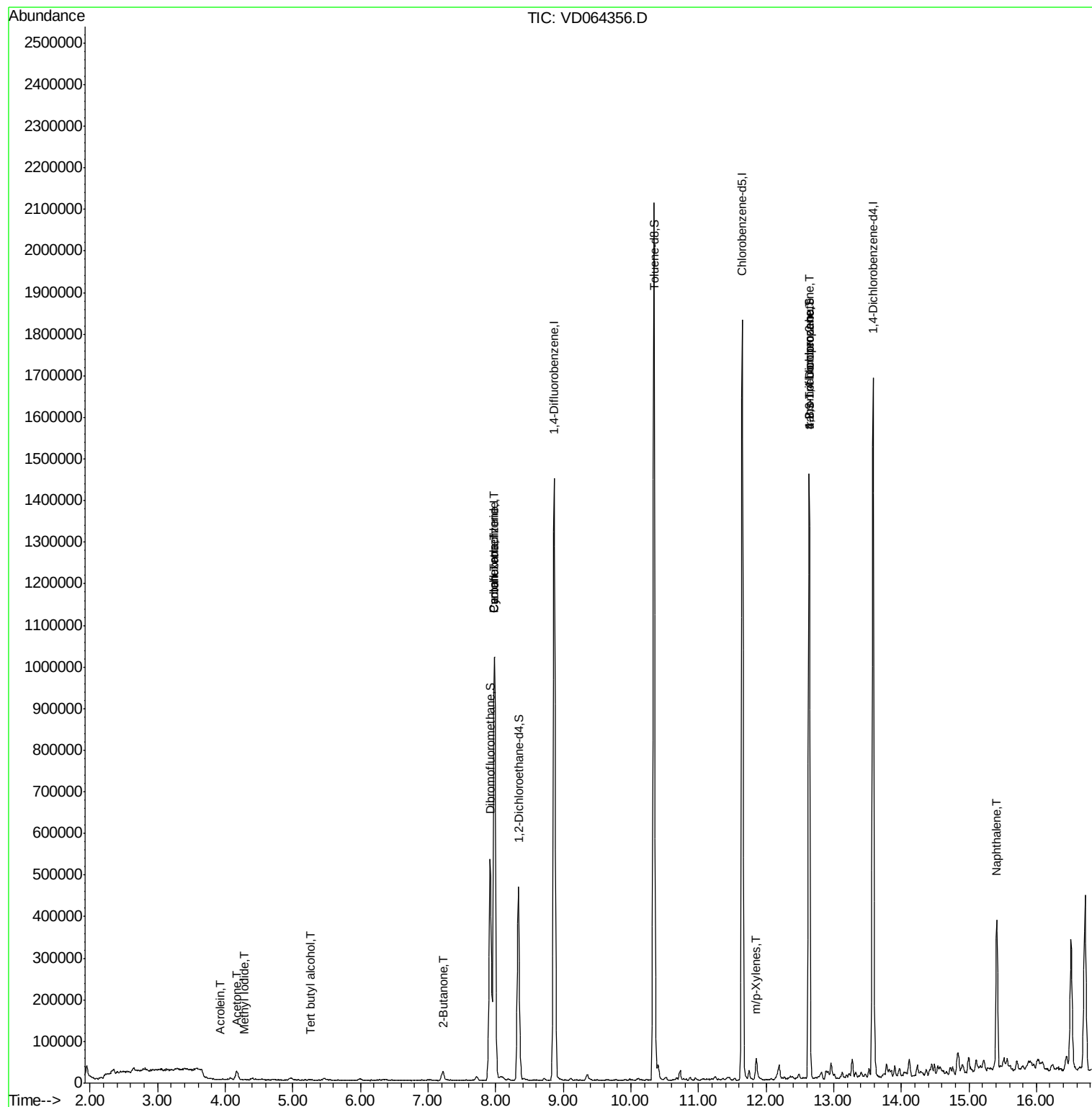
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	646	2.104	ug/l #	74
11) Tert butyl alcohol	5.26	59	3045	6.220	ug/l #	91
13) Acrolein	3.93	56	531	1.282	ug/l #	77
16) Acetone	4.16	43	38157	22.979	ug/l #	87
25) 2-Butanone	7.23	43	8202	3.823	ug/l	99
31) Cyclohexane	7.98	56	19991	1.453	ug/l #	31
38) Carbon Tetrachloride	7.98	117	75664	6.154	ug/l #	15
68) m/p-Xylenes	11.86	106	15611	1.052	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	227783	61.265	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	227783	121.696	ug/l #	10
95) Naphthalene	15.41	128	326681	19.976	ug/l	99

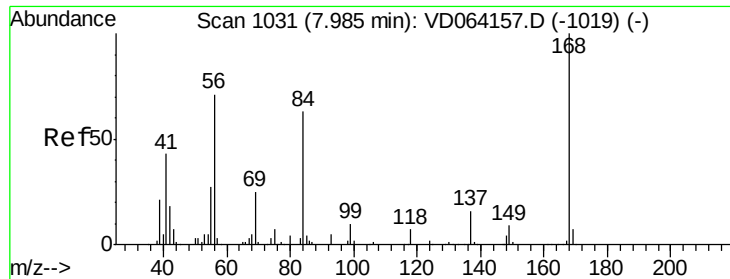
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112519\
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Quant Title : SW846 8260
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: VD064356.D

Acq: 25 Nov 2019 13:08

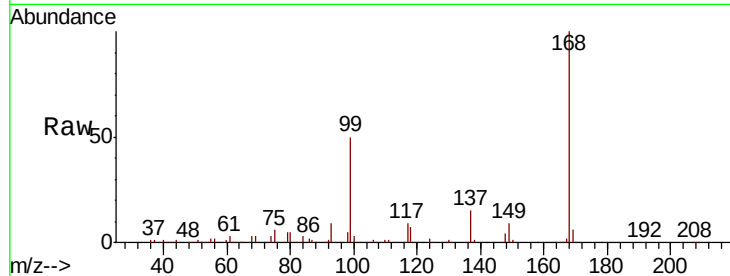
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 852272

Ion Ratio Lower Upper

168 100

99 50.1 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

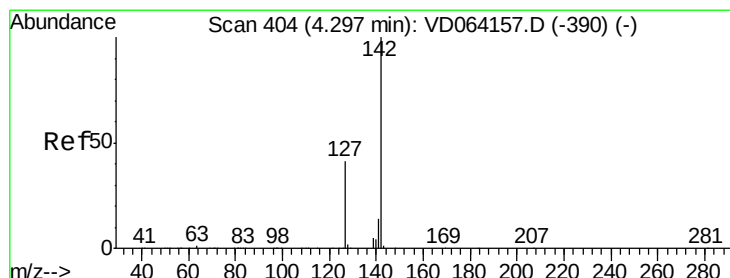
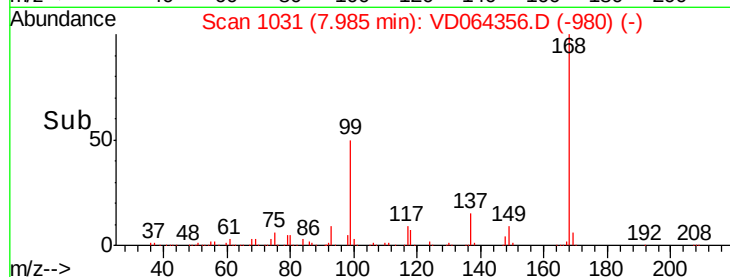
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.104 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.02 min

Lab File: VD064356.D

Acq: 25 Nov 2019 13:08

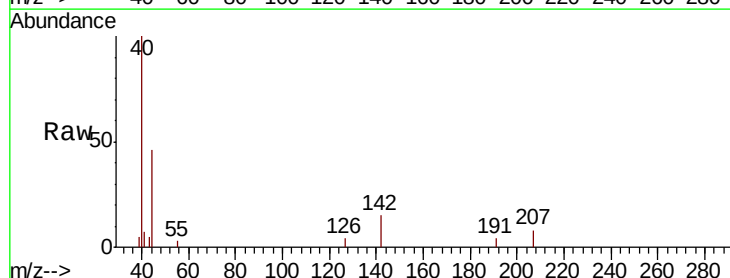
Tgt Ion:142 Resp: 646

Ion Ratio Lower Upper

142 100

127 25.4 34.4 51.6#

141 23.4 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

1000

800

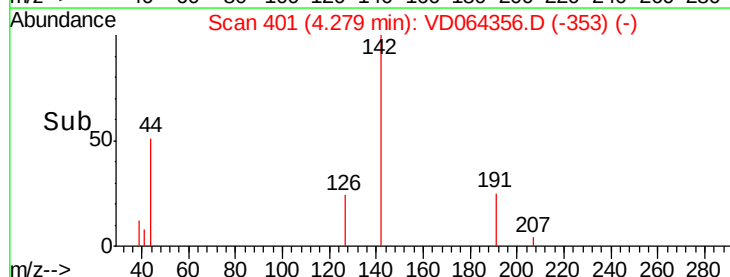
600

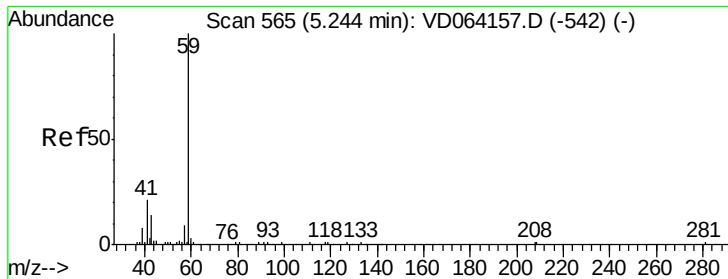
400

200

0

Time-->

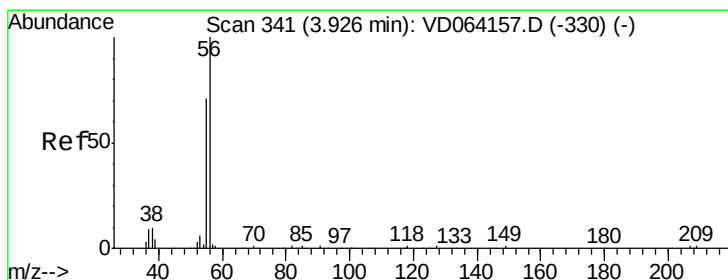
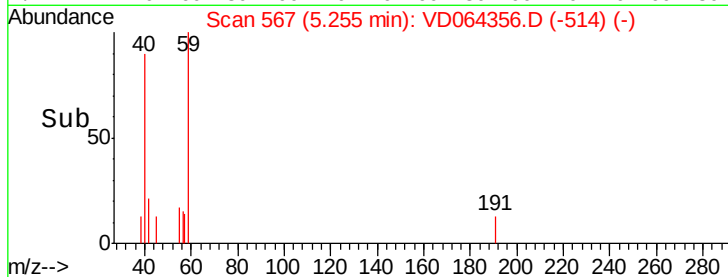
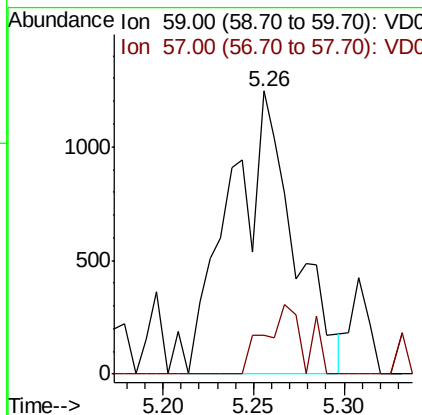
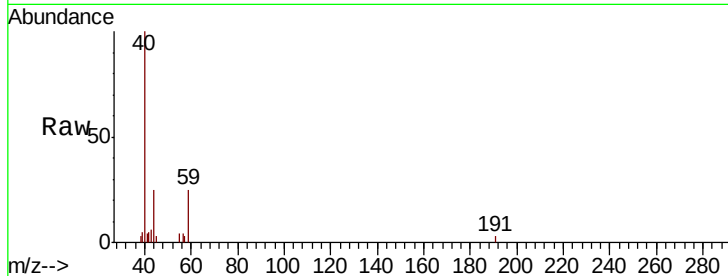




#11
Tert butyl alcohol
Concen: 6.220 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

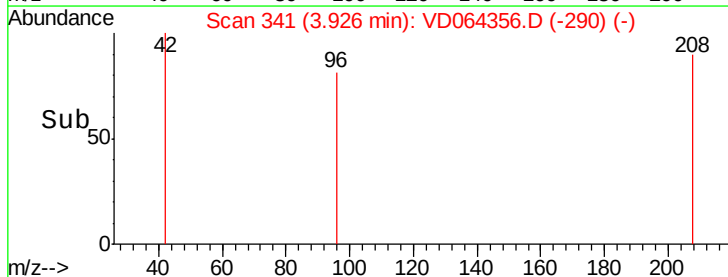
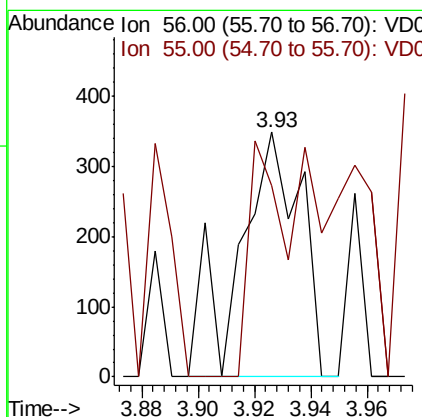
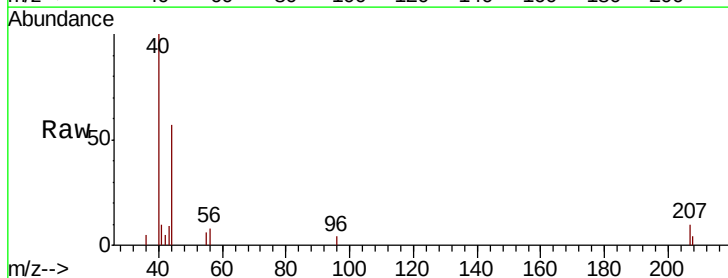
Instrument :
MSVOA_D
ClientSampled :

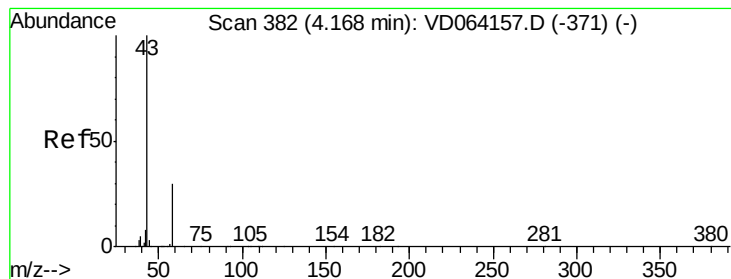
Tot Ion: 59 Resp: 3045
Ion Ratio Lower Upper
59 100
57 15.4 9.4 14.2#



#13
Acrolein
Concen: 1.282 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

Tgt Ion: 56 Resp: 531
Ion Ratio Lower Upper
56 100
55 51.6 56.1 84.1#





#16

Acetone

Concen: 22.979 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064356.D

Acq: 25 Nov 2019 13:08

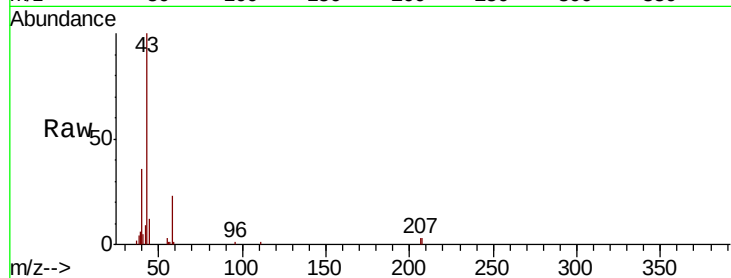
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 38157

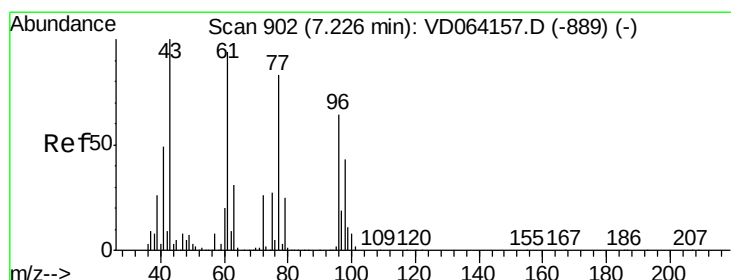
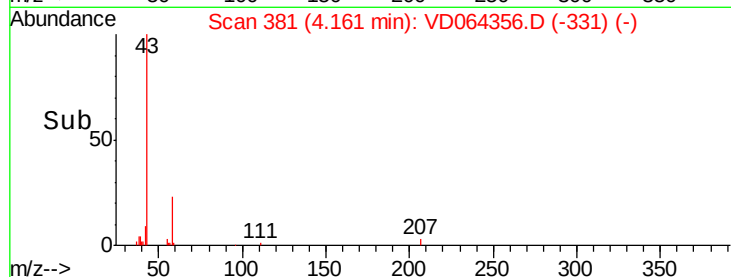
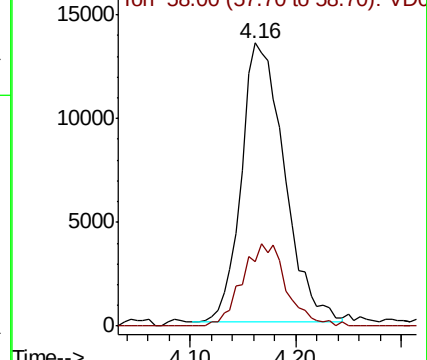
Ion Ratio Lower Upper

43 100

58 23.1 24.1 36.1#



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



#25

2-Butanone

Concen: 3.823 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064356.D

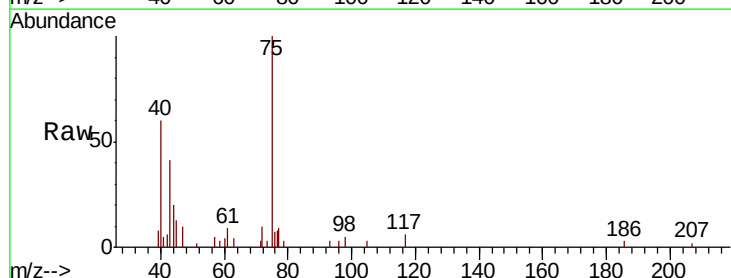
Acq: 25 Nov 2019 13:08

Tgt Ion: 43 Resp: 8202

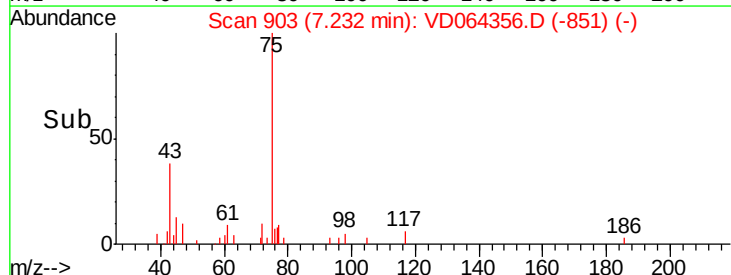
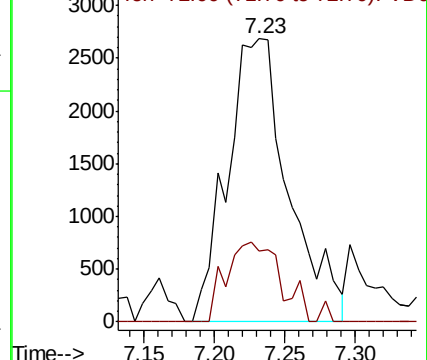
Ion Ratio Lower Upper

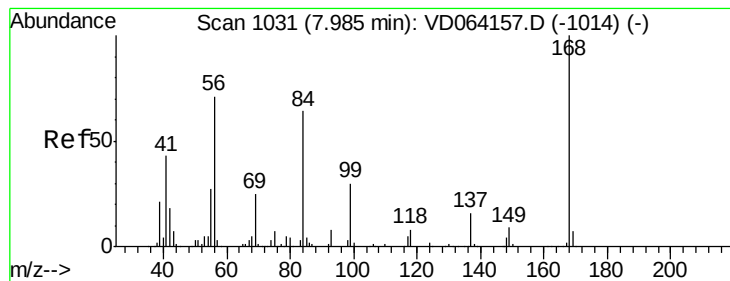
43 100

72 25.0 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.453 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064356.D

Acq: 25 Nov 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

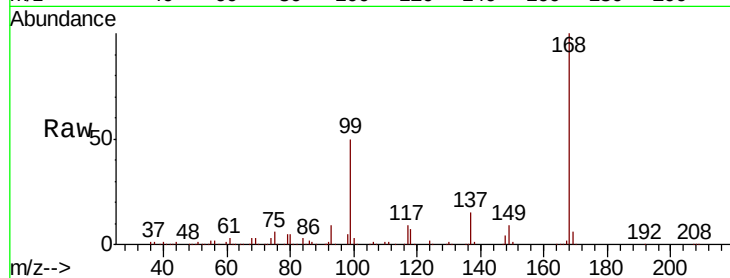
Tot Ion: 56 Resp: 19991

Ion Ratio Lower Upper

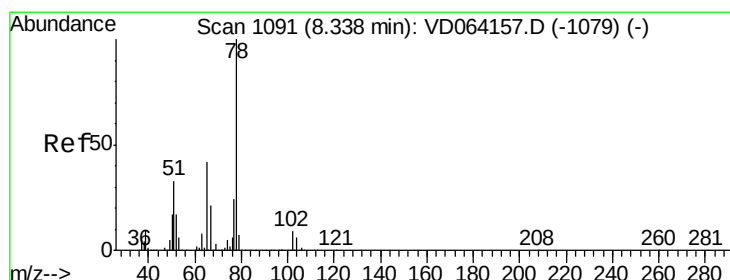
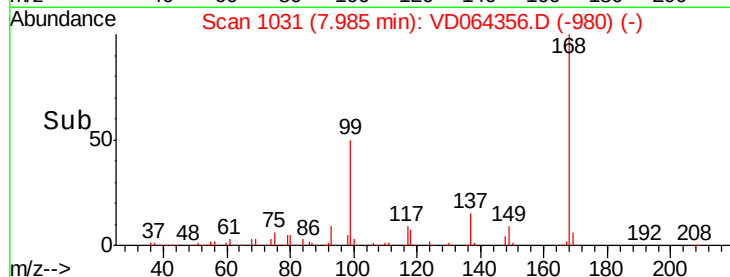
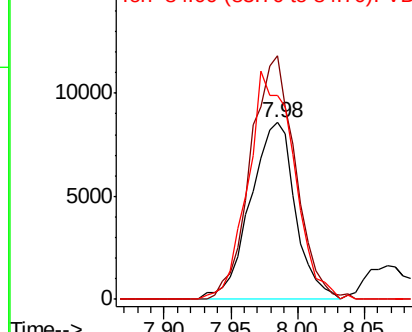
56 100

69 137.7 28.2 42.4#

84 115.0 71.8 107.6#



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: 51.049 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064356.D

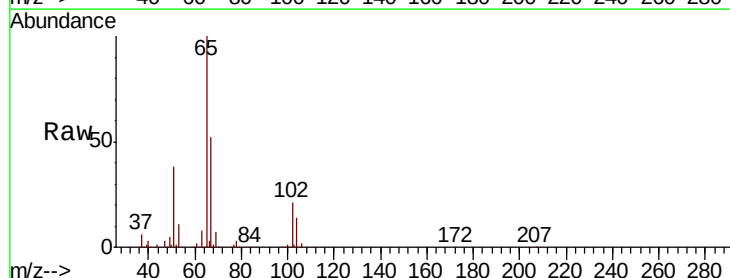
Acq: 25 Nov 2019 13:08

Tgt Ion: 65 Resp: 357825

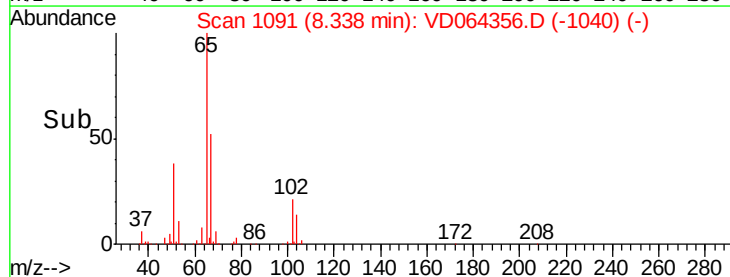
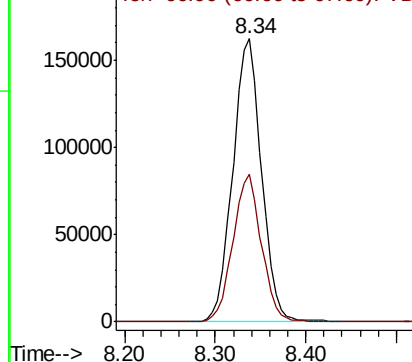
Ion Ratio Lower Upper

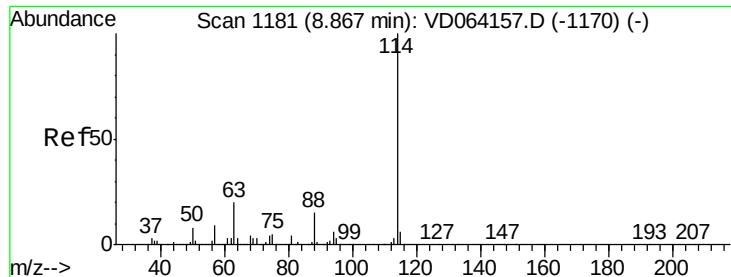
65 100

67 51.6 0.0 104.4



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. -0.00 min

Lab File: VD064356.D

Acq: 25 Nov 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

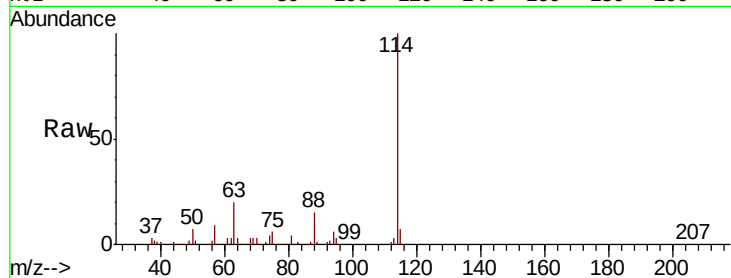
Tot Ion:114 Resp: 1244952

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.2 0.0 30.2



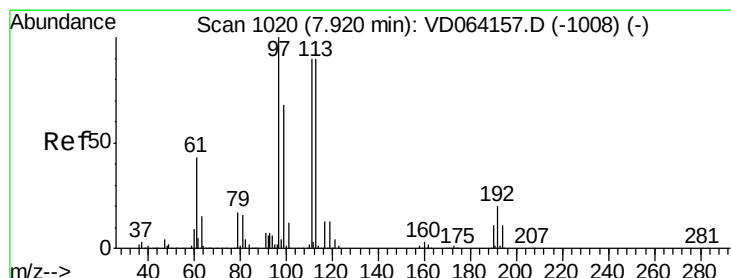
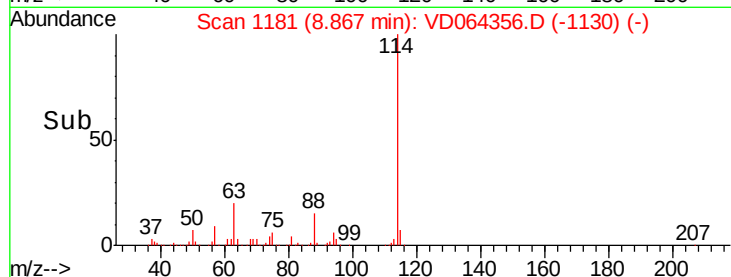
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87

Time-->



#35

Dibromofluoromethane

Concen: 51.849 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064356.D

Acq: 25 Nov 2019 13:08

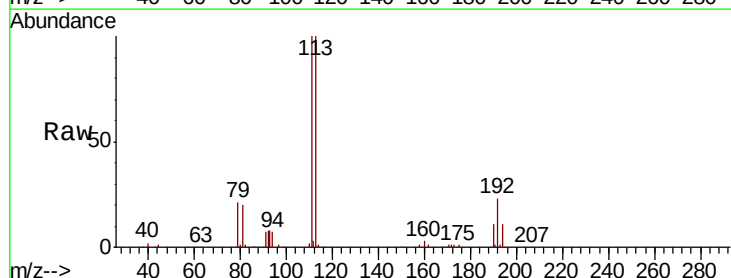
Tgt Ion:113 Resp: 370525

Ion Ratio Lower Upper

113 100

111 102.8 81.5 122.3

192 23.7 18.8 28.2



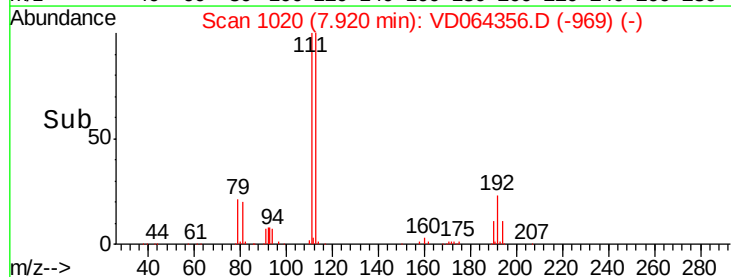
Abundance Ion 112.80 (112.50 to 113.50): V

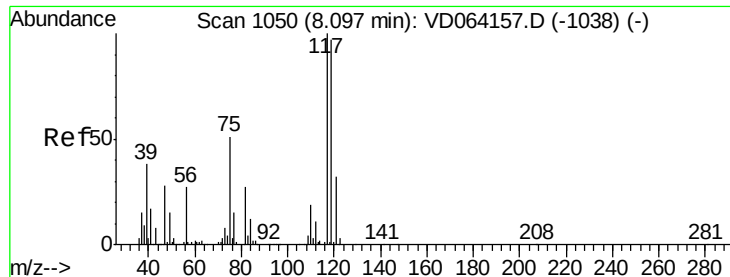
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.92

Time-->

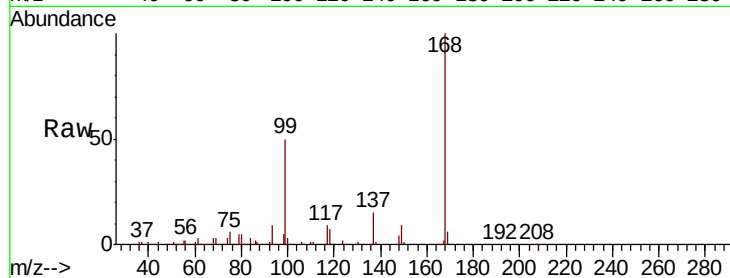




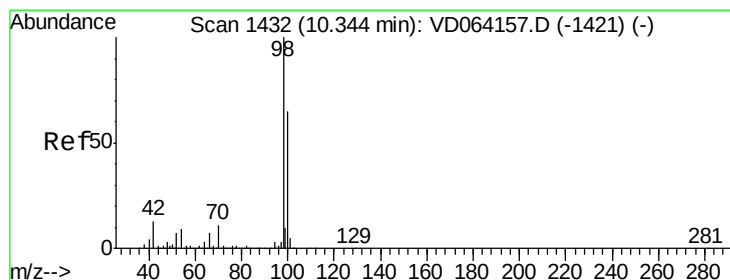
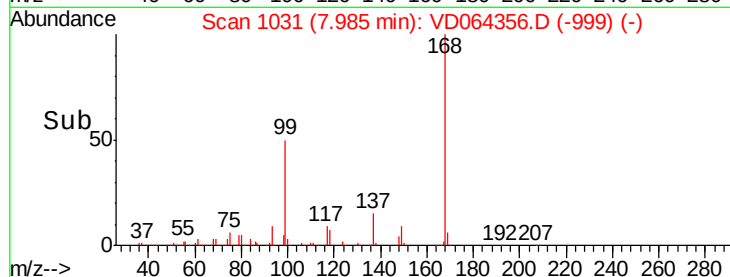
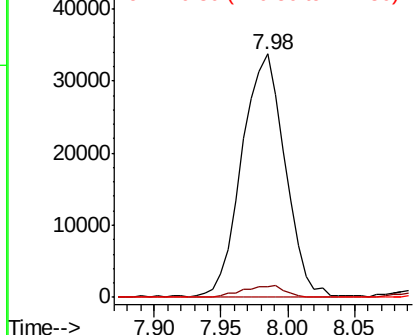
#38
Carbon Tetrachloride
Concen: 6.154 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 75664
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 25.5 38.3#

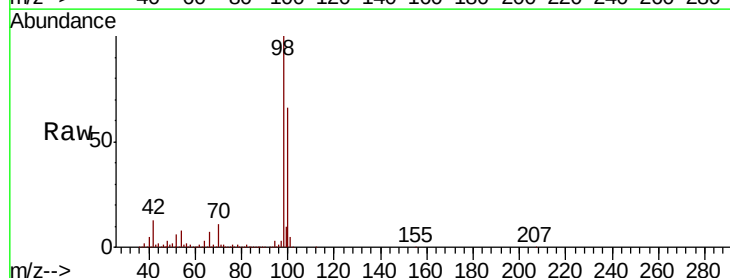


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

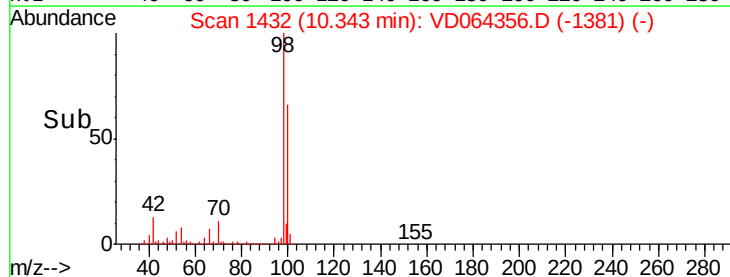
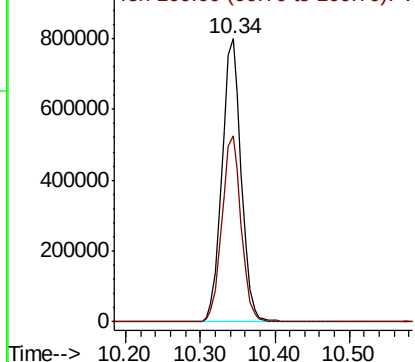


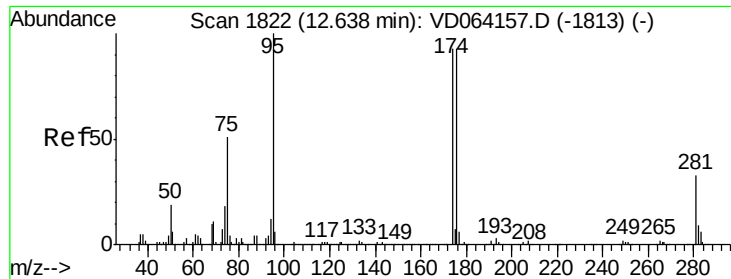
#50
Toluene-d8
Concen: 53.039 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

Tgt Ion: 98 Resp: 1429854
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



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

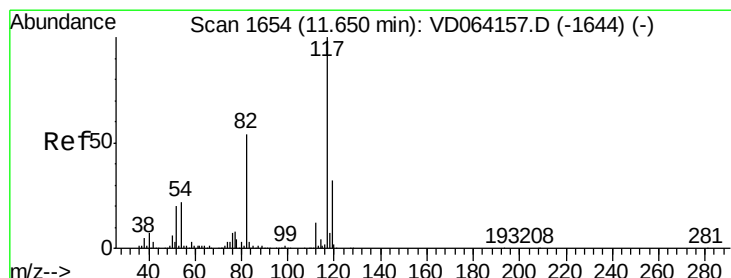
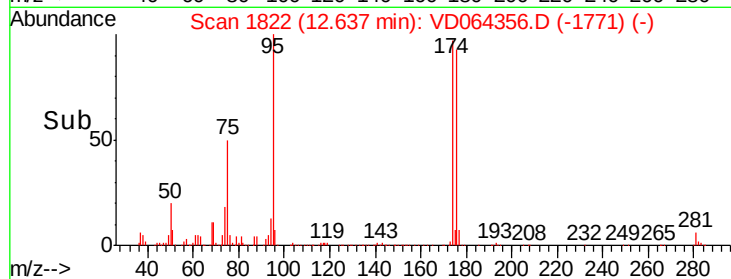
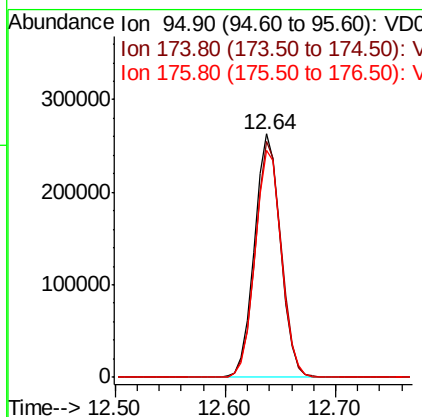
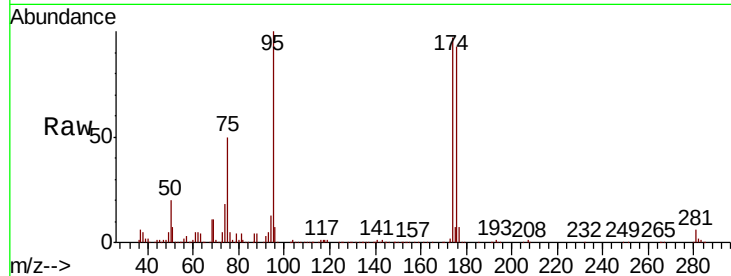




#62
4-Bromofluorobenzene
Concen: 46.641 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

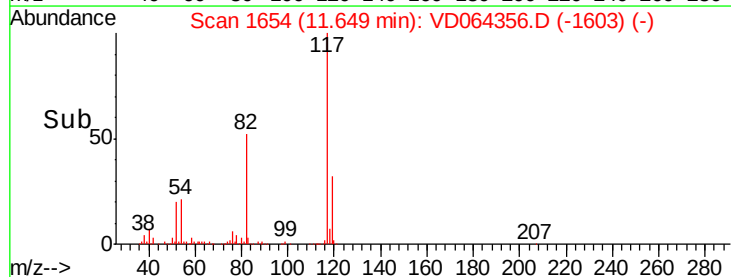
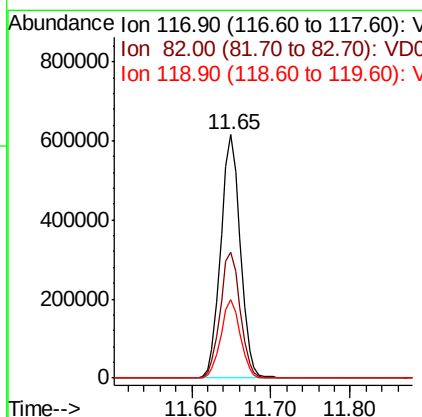
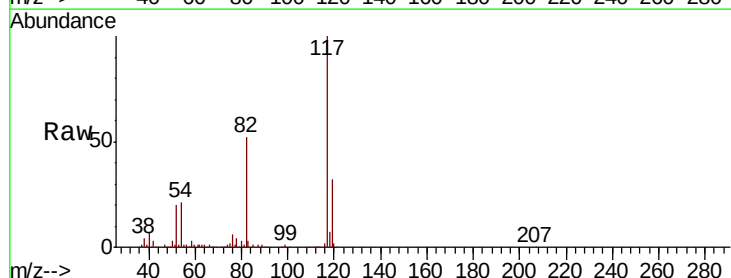
Instrument :
MSVOA_D
ClientSampleId :

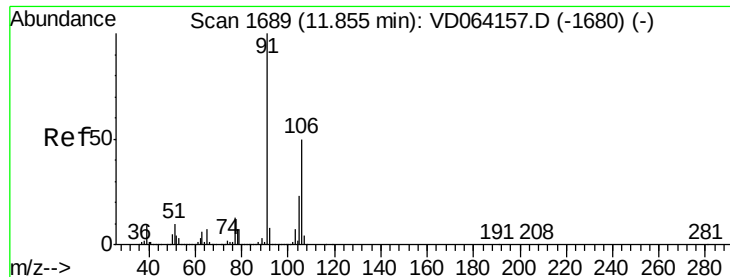
Tot Ion: 95 Resp: 435442
Ion Ratio Lower Upper
95 100
174 96.5 0.0 183.6
176 94.2 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

Tgt Ion: 117 Resp: 1052914
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 32.3 25.6 38.4

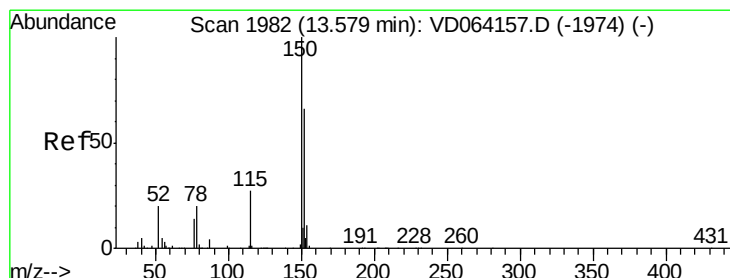
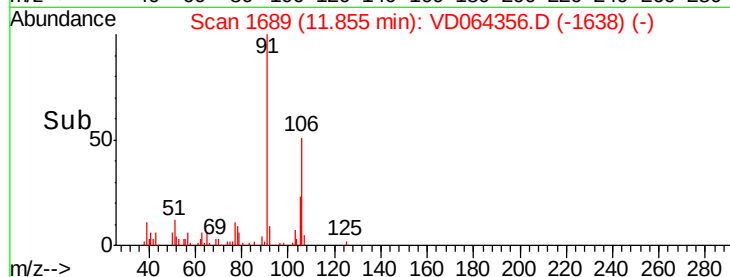
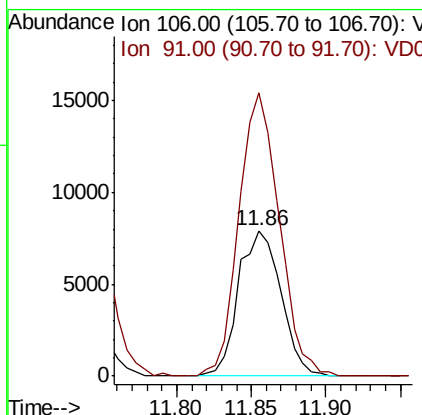
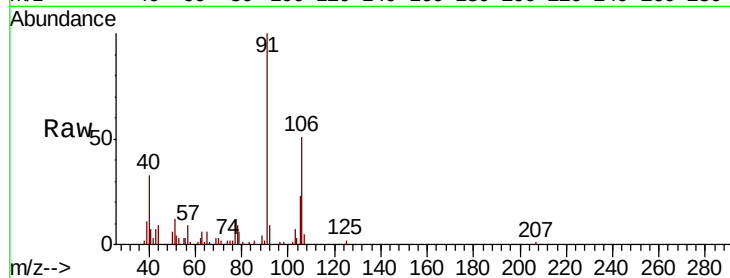




#68
m/p-Xvlenes
Concen: 1.052 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

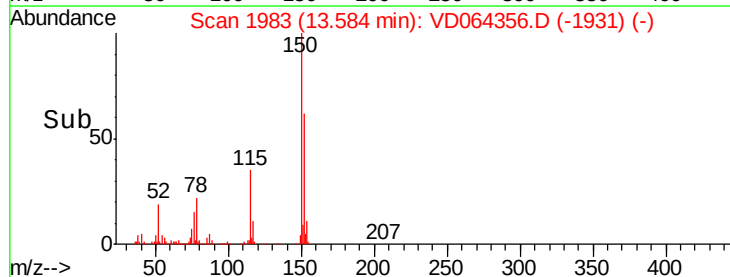
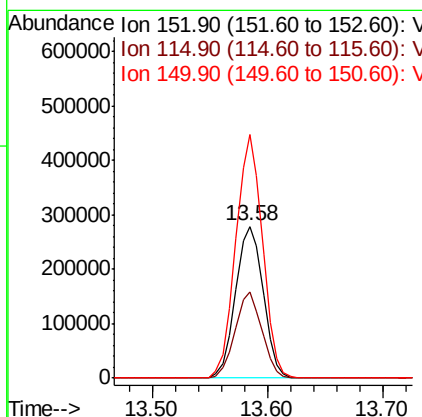
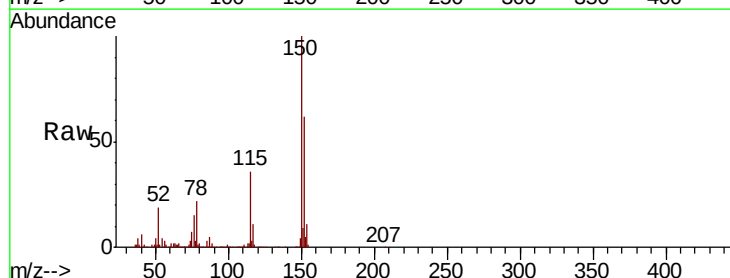
Instrument :
MSVOA_D
ClientSampled :

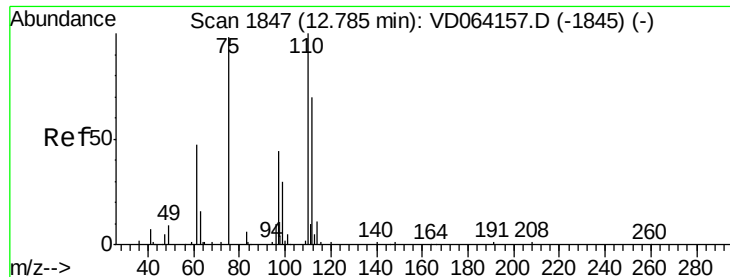
Tot Ion:106 Resp: 15611
Ion Ratio Lower Upper
106 100
91 185.3 160.3 240.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064356.D
Acq: 25 Nov 2019 13:08

Tgt Ion:152 Resp: 461593
Ion Ratio Lower Upper
152 100
115 55.5 27.4 82.2
150 155.0 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 61.265 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064356.D

Acq: 25 Nov 2019 13:08

Instrument :

MSVOA_D

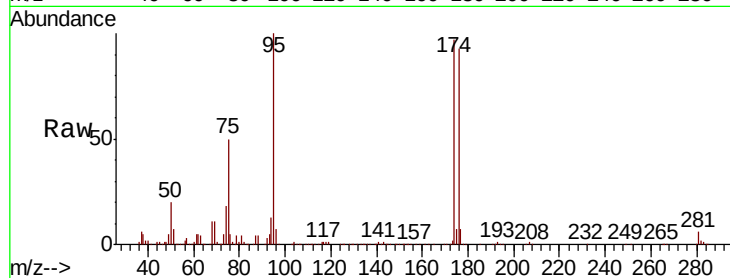
ClientSampled :

Tot Ion: 75 Resp: 227783

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

12.64

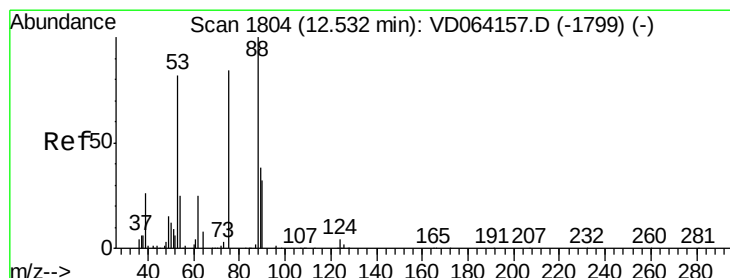
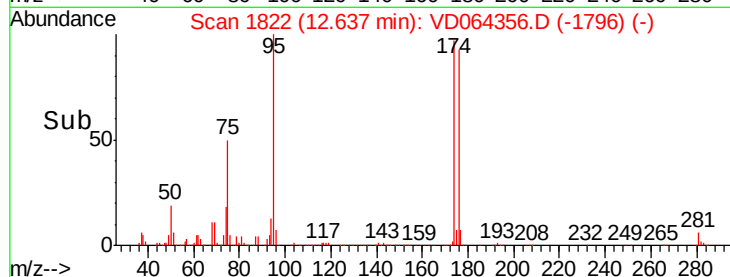
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.696 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064356.D

Acq: 25 Nov 2019 13:08

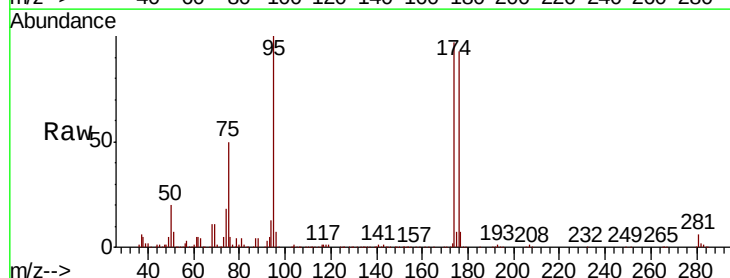
Tgt Ion: 75 Resp: 227783

Ion Ratio Lower Upper

75 100

53 0.1 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

12.64

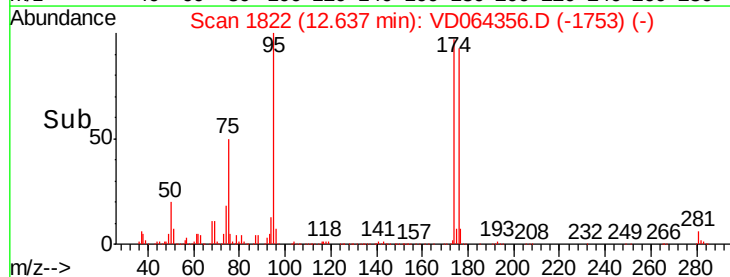
150000

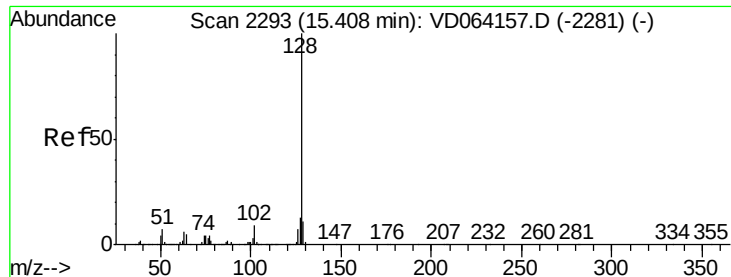
100000

50000

0

Time-->





#95
 Naphthalene
 Concen: 19.976 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VD064356.D
 Acq: 25 Nov 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	11.1	8.6	13.0

