

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064175.D
 Acq On : 11 Nov 2019 13:46
 Operator : VA/SY
 Sample : VD1111SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:47:02 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	672277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1087890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	1067930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	560470	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	322968	58.41	ug/l	0.00
Spiked Amount			Recovery	=	116.82%	
35) Dibromofluoromethane	7.92	113	336494	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
50) Toluene-d8	10.34	98	1306294	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
62) 4-Bromofluorobenzene	12.64	95	507869	62.25	ug/l	0.00
Spiked Amount			Recovery	=	124.50%	

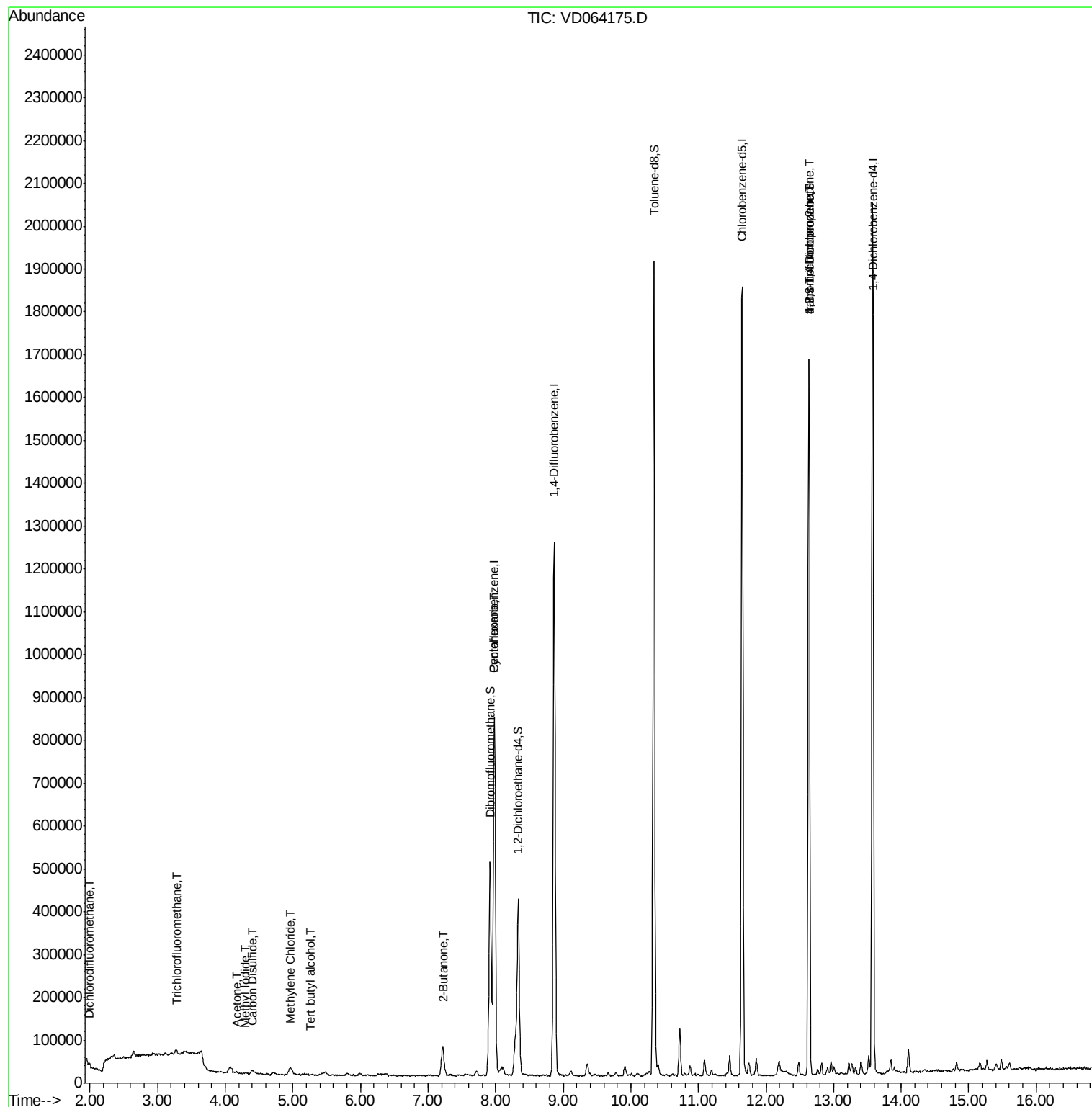
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	5900	1.058	ug/l	85
7) Trichlorofluoromethane	3.27	101	11588	1.118	ug/l	91
10) Methyl Iodide	4.30	142	2607	2.401	ug/l #	90
11) Tert butyl alcohol	5.26	59	543	1.406	ug/l #	69
16) Acetone	4.17	43	3146	2.402	ug/l #	75
17) Carbon Disulfide	4.40	76	17819	1.013	ug/l	99
20) Methylene Chloride	4.97	84	12345	1.866	ug/l	94
25) 2-Butanone	7.22	43	4673	2.761	ug/l #	86
31) Cyclohexane	7.98	56	24164	2.227	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	267755	59.311	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	267755	117.815	ug/l #	10

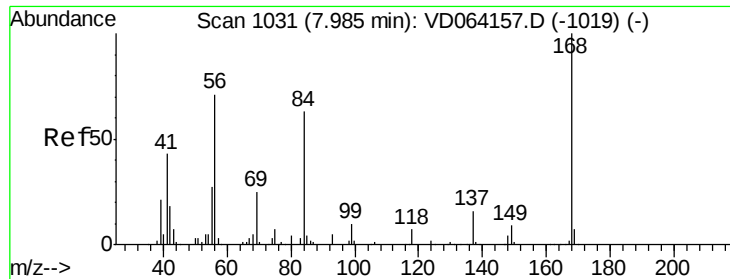
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111119\
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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: VD064175.D

Acq: 11 Nov 2019 13:46

Instrument :

MSVOA_D

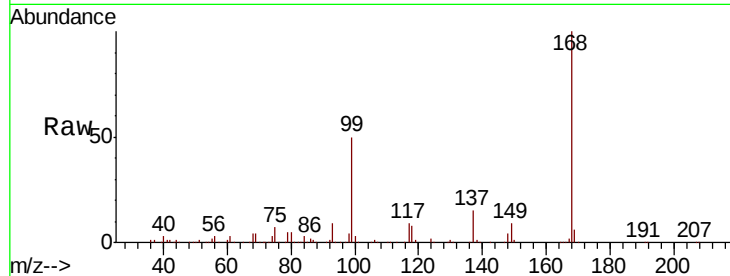
ClientSampleId :

Tot Ion:168 Resp: 672277

Ion Ratio Lower Upper

168 100

99 49.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

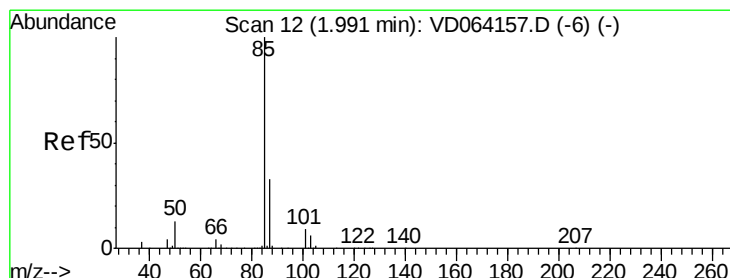
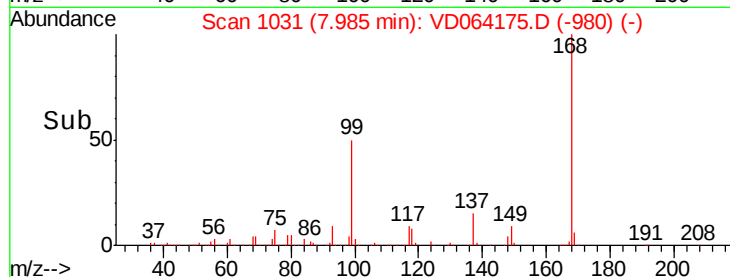
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.058 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064175.D

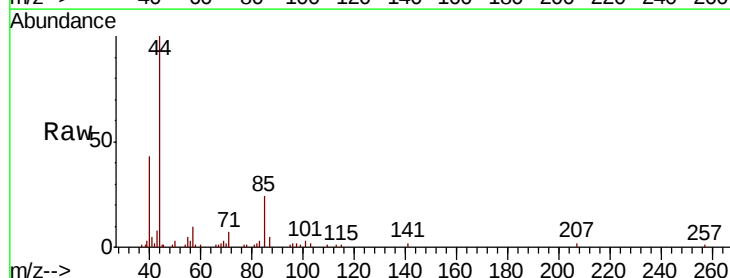
Acq: 11 Nov 2019 13:46

Tgt Ion: 85 Resp: 5900

Ion Ratio Lower Upper

85 100

87 24.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

5000

4000

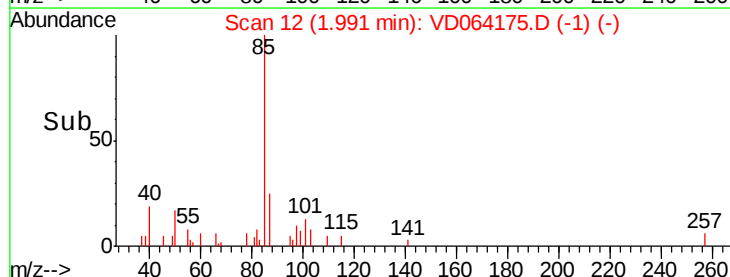
3000

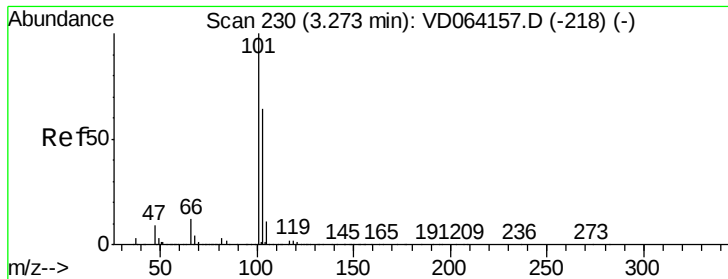
2000

1000

0

Time-->



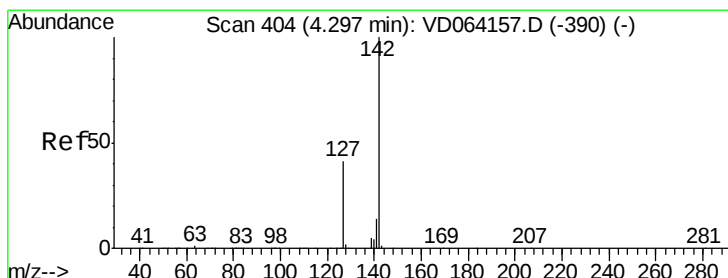
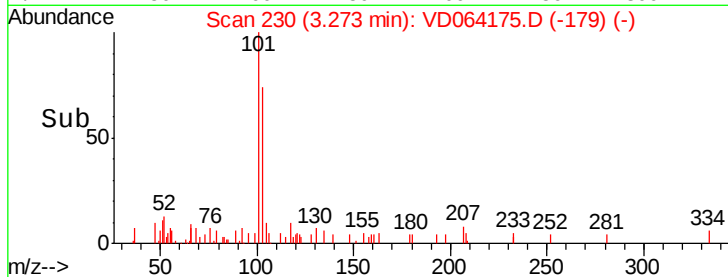
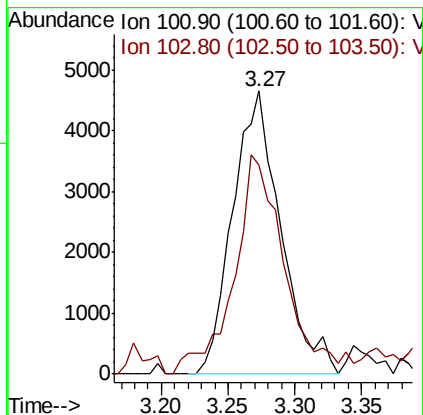
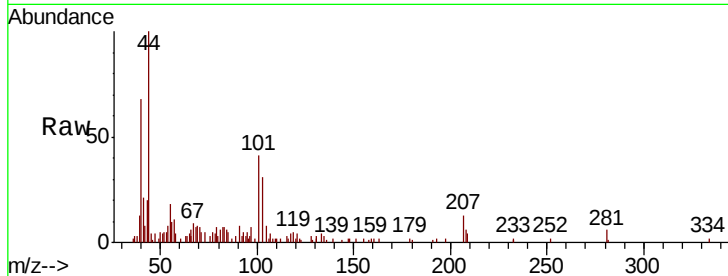


#7

Trichlorofluoromethane
 Concen: 1.118 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064175.D
 Acq: 11 Nov 2019 13:46

Instrument :
 MSVOA_D
 ClientSampled :

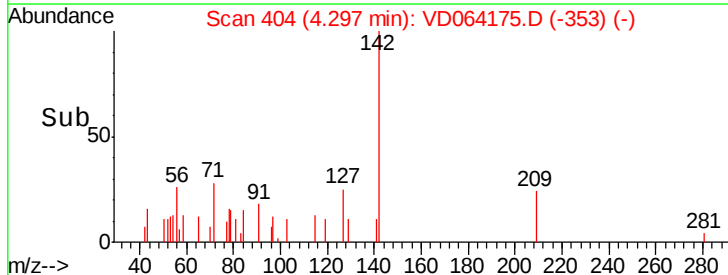
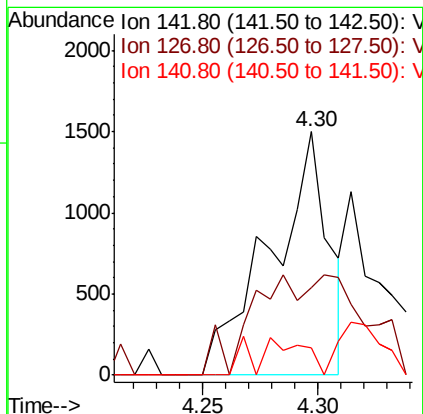
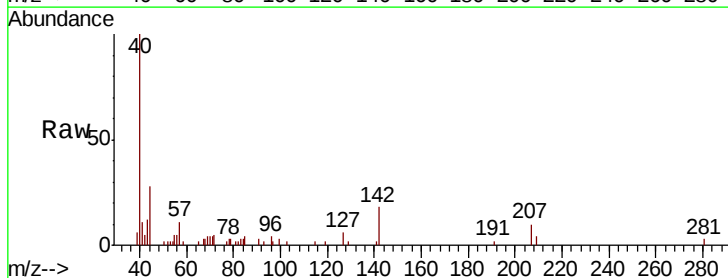
Tot Ion:101 Resp: 11588
 Ion Ratio Lower Upper
 101 100
 103 70.3 50.8 76.2

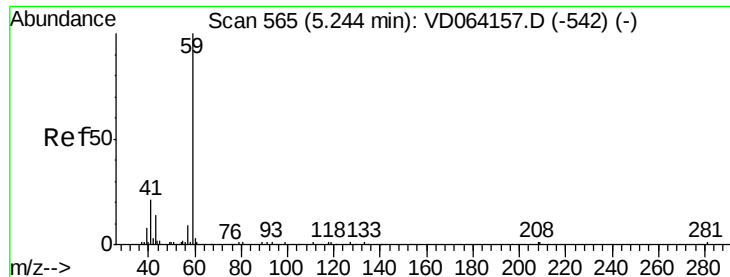


#10

Methyl Iodide
 Concen: 2.401 ug/l
 RT: 4.30 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VD064175.D
 Acq: 11 Nov 2019 13:46

Tgt Ion:142 Resp: 2607
 Ion Ratio Lower Upper
 142 100
 127 36.3 34.4 51.6
 141 10.0 11.2 16.8#



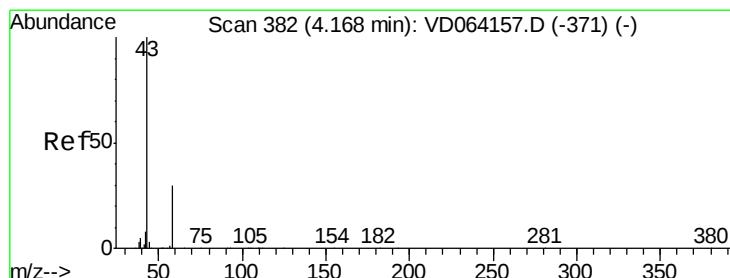
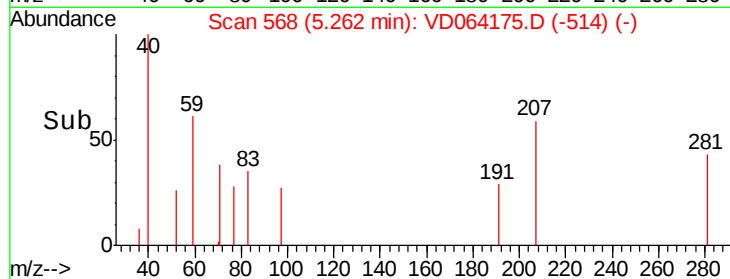
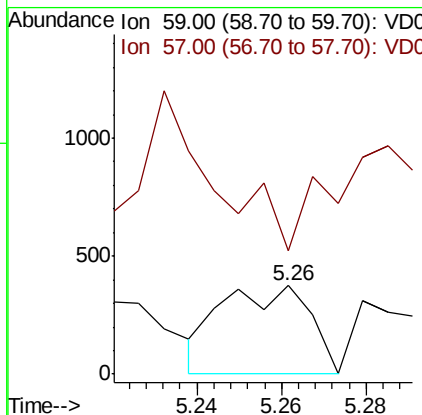
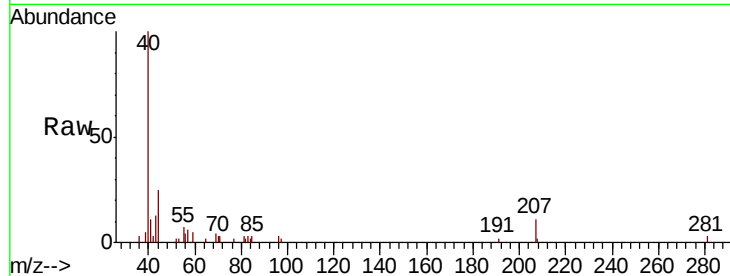


#11

Tert butyl alcohol
 Concen: 1.406 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: VD064175.D
 Acq: 11 Nov 2019 13:46

Instrument :
 MSVOA_D
 ClientSampleId :

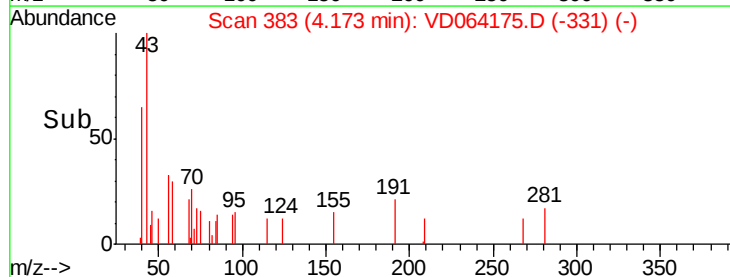
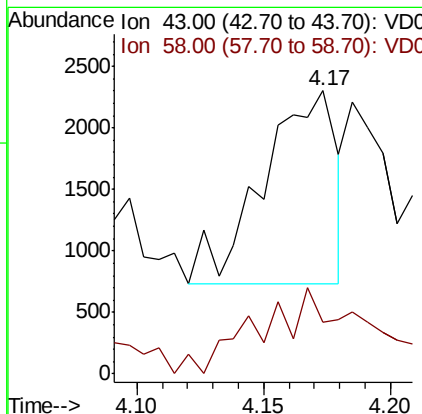
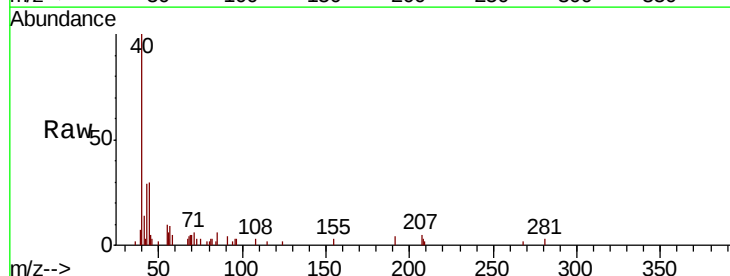
Tot Ion: 59 Resp: 543
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.2#

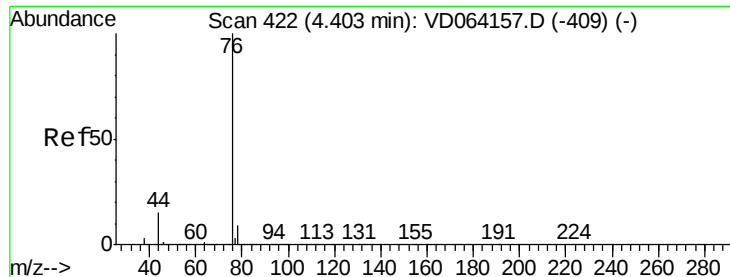


#16

Acetone
 Concen: 2.402 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD064175.D
 Acq: 11 Nov 2019 13:46

Tgt Ion: 43 Resp: 3146
 Ion Ratio Lower Upper
 43 100
 58 16.3 24.1 36.1#





#17

Carbon Disulfide

Concen: 1.013 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064175.D

Acq: 11 Nov 2019 13:46

Instrument :

MSVOA_D

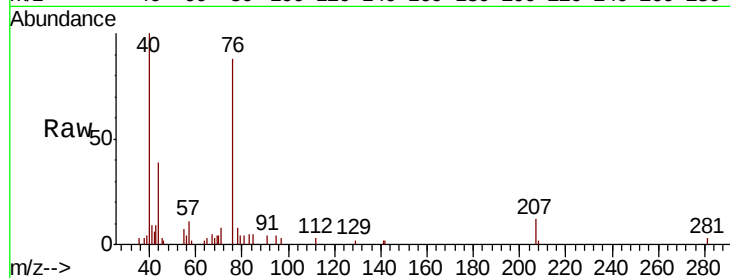
ClientSampleId :

Tot Ion: 76 Resp: 17819

Ion Ratio Lower Upper

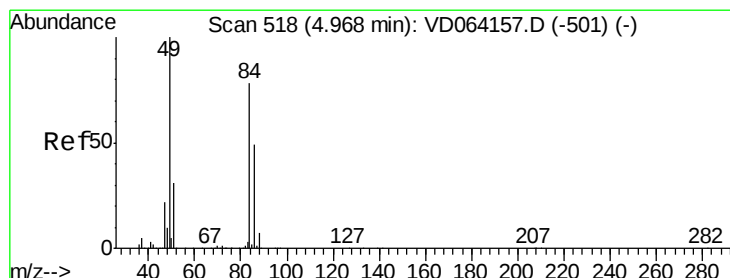
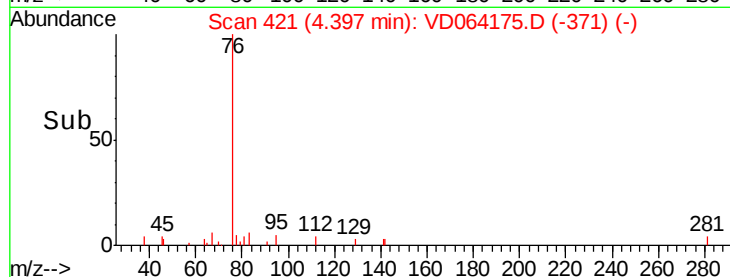
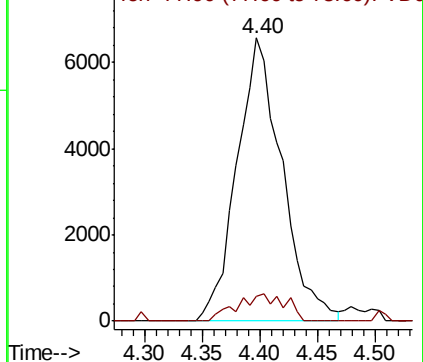
76 100

78 8.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: 1.866 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064175.D

Acq: 11 Nov 2019 13:46

Tgt Ion: 84 Resp: 12345

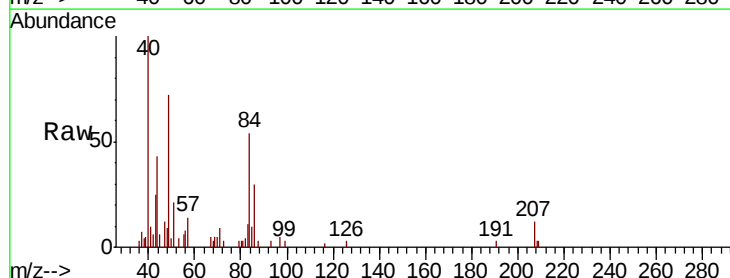
Ion Ratio Lower Upper

84 100

49 134.1 102.1 153.1

51 38.7 32.2 48.2

86 55.9 49.9 74.9

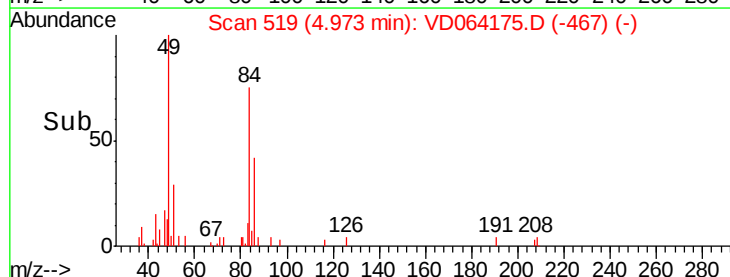
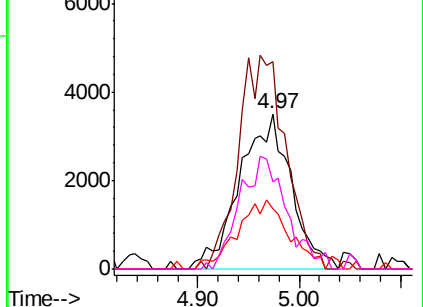


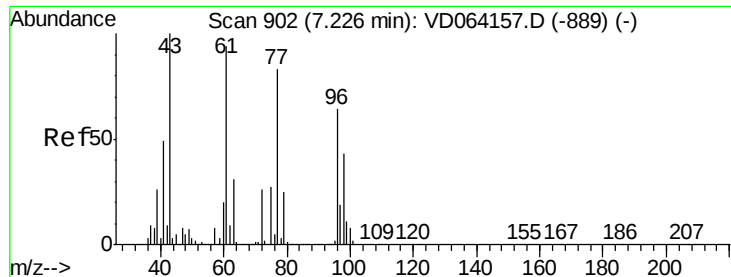
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.761 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064175.D

Acq: 11 Nov 2019 13:46

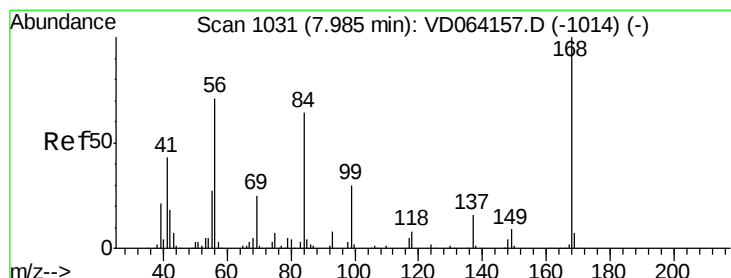
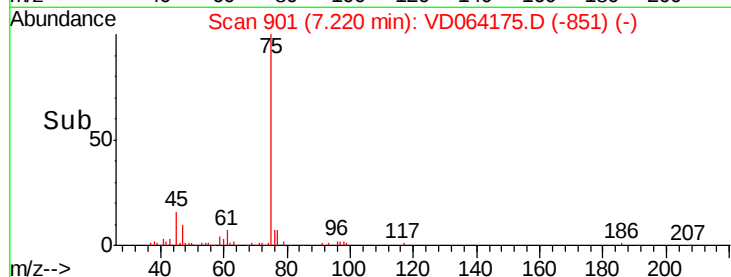
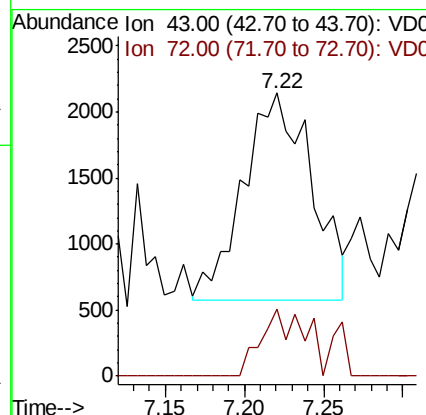
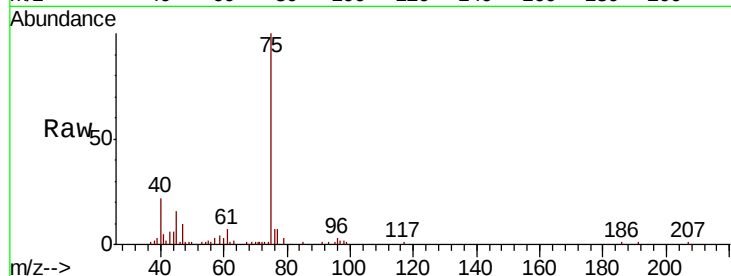
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 4673

Ion Ratio Lower Upper

43 100

72 32.8 20.6 30.8#



#31

Cyclohexane

Concen: 2.227 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064175.D

Acq: 11 Nov 2019 13:46

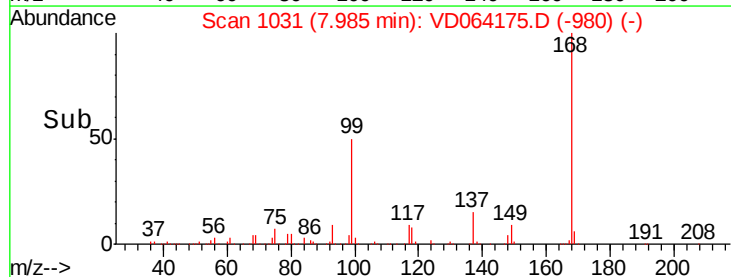
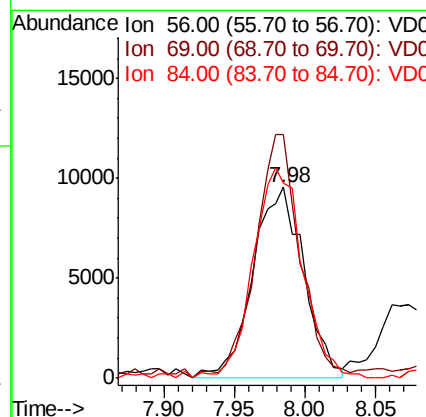
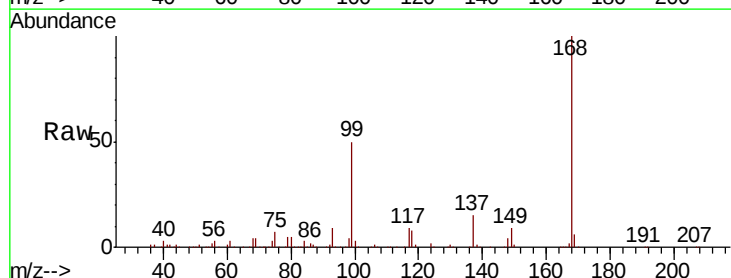
Tgt Ion: 56 Resp: 24164

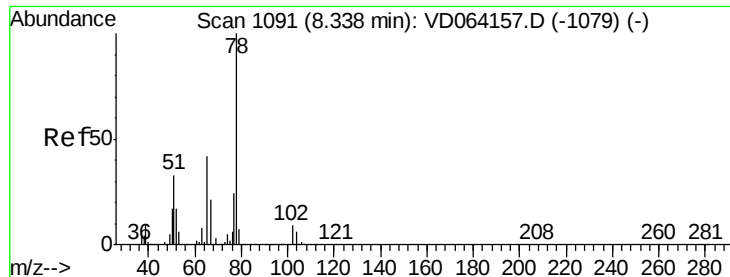
Ion Ratio Lower Upper

56 100

69 127.5 28.2 42.4#

84 102.3 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 58.413 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064175.D

Acq: 11 Nov 2019 13:46

Instrument :

MSVOA_D

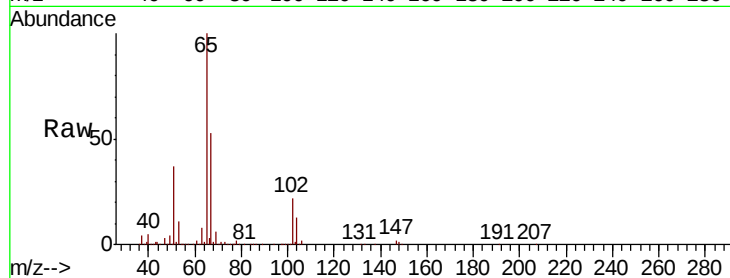
ClientSampleId :

Tot Ion: 65 Resp: 322968

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

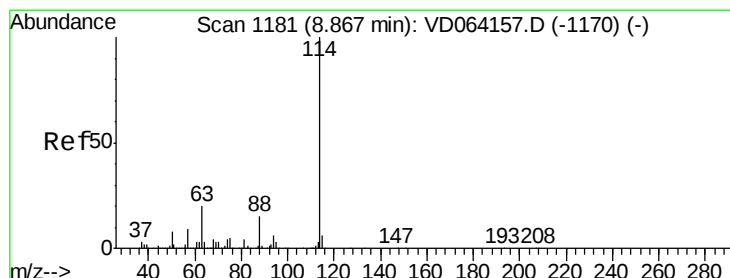
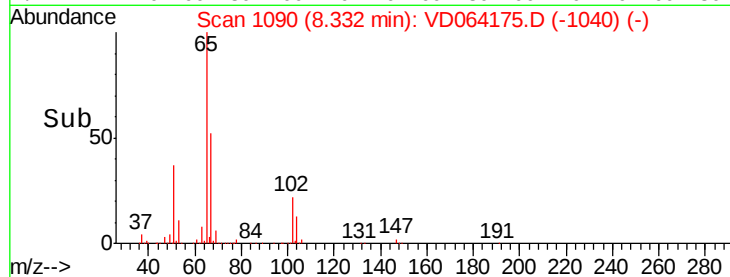
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064175.D

Acq: 11 Nov 2019 13:46

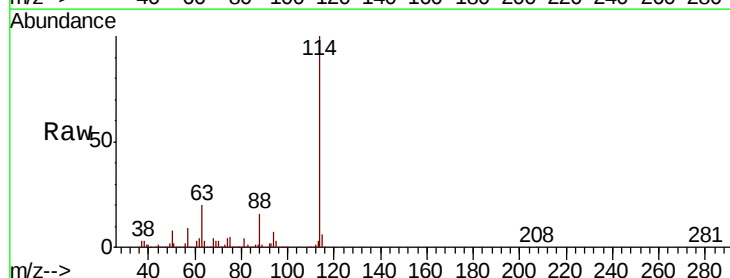
Tgt Ion: 114 Resp: 1087890

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 16.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

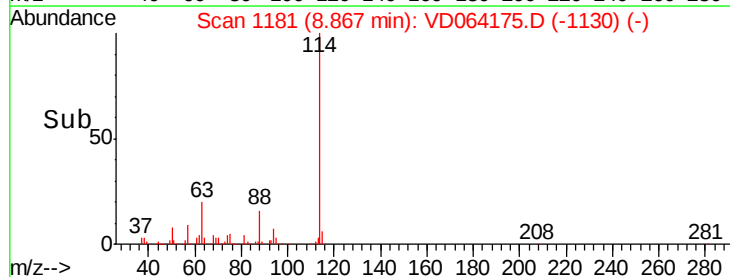
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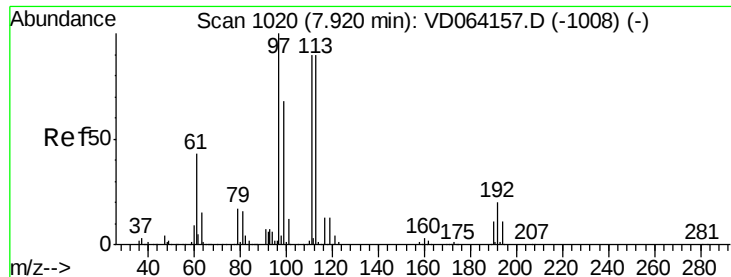
400000

200000

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Time-->

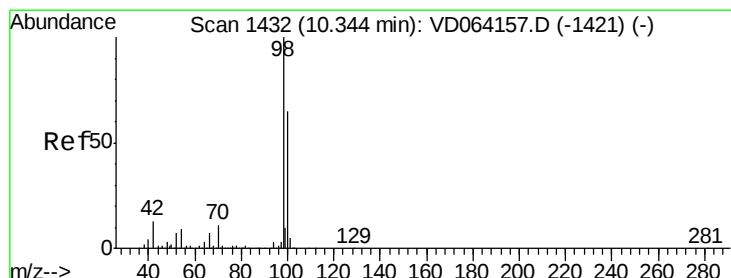
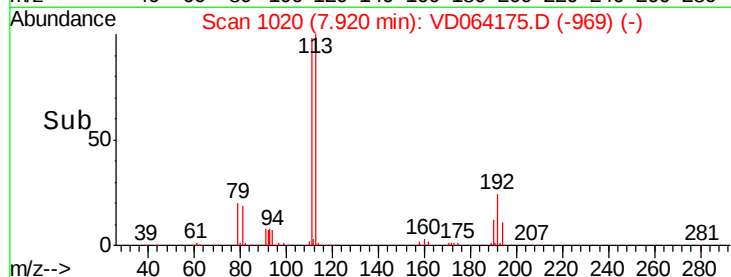
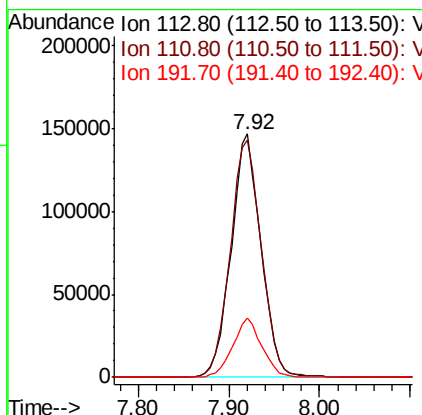
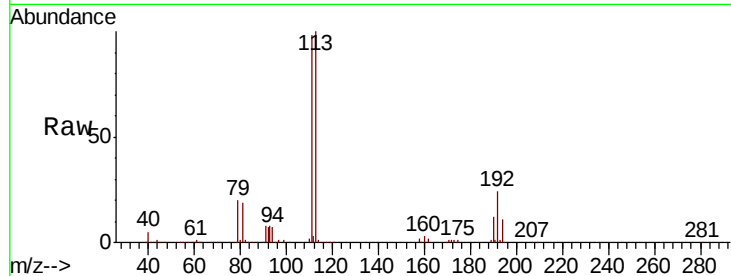




#35
 Dibromofluoromethane
 Concen: 53.885 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064175.D
 Acq: 11 Nov 2019 13:46

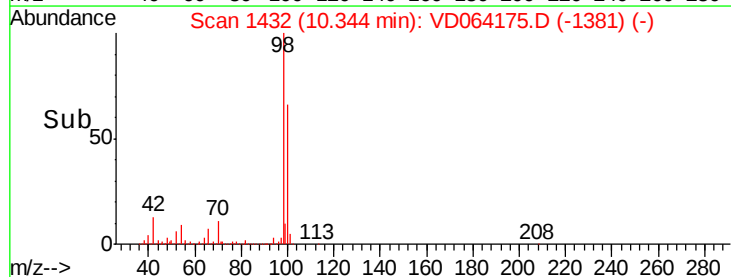
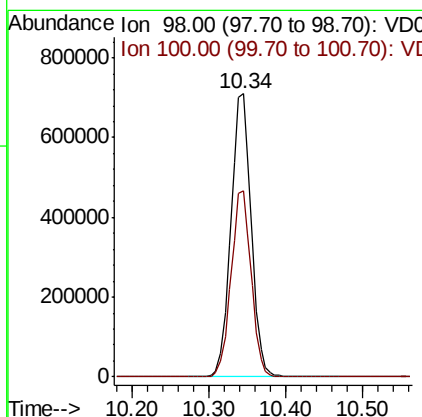
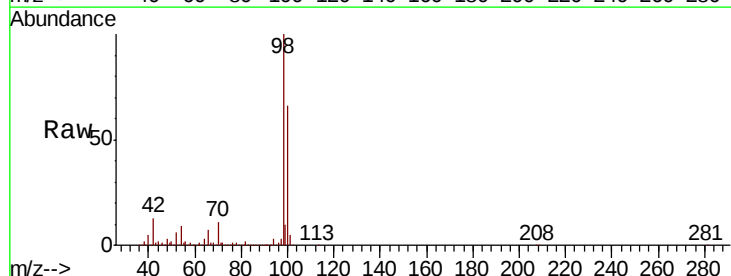
Instrument :
 MSVOA_D
 ClientSampleId :

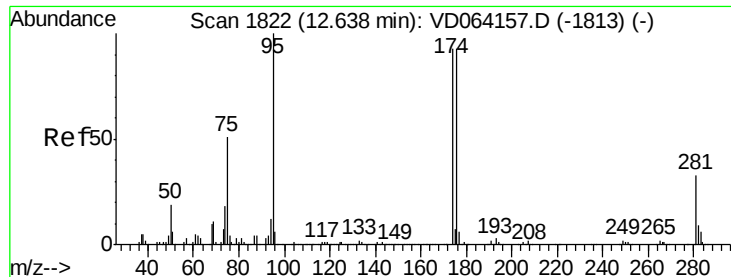
Tot Ion:113 Resp: 336494
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.5 122.3
 192 23.8 18.8 28.2



#50
 Toluene-d8
 Concen: 55.451 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064175.D
 Acq: 11 Nov 2019 13:46

Tgt Ion: 98 Resp: 1306294
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.6 78.8

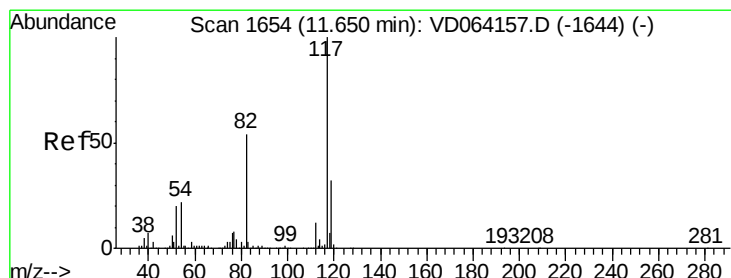
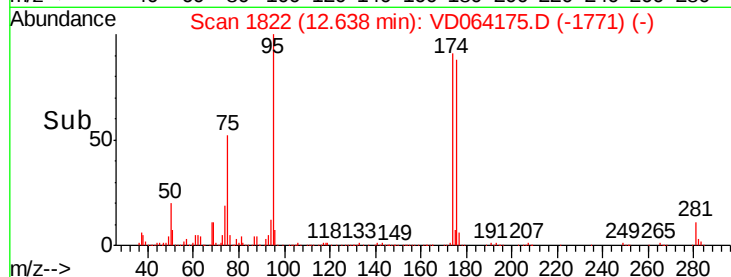
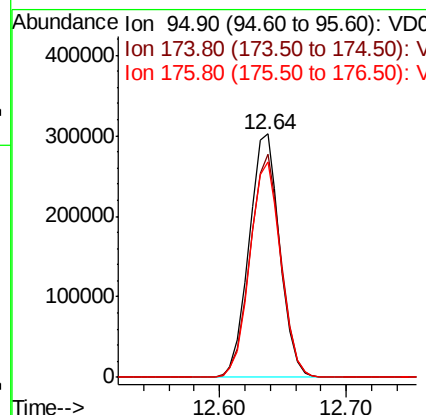
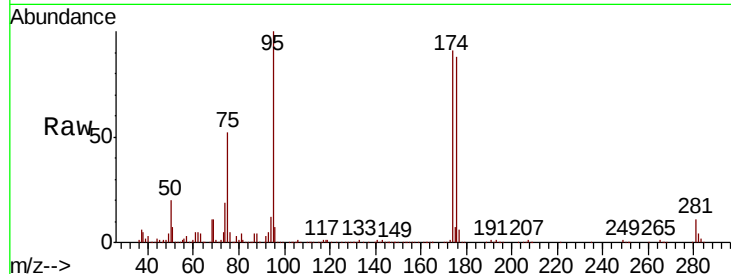




#62
4-Bromofluorobenzene
Concen: 62.253 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064175.D
Acq: 11 Nov 2019 13:46

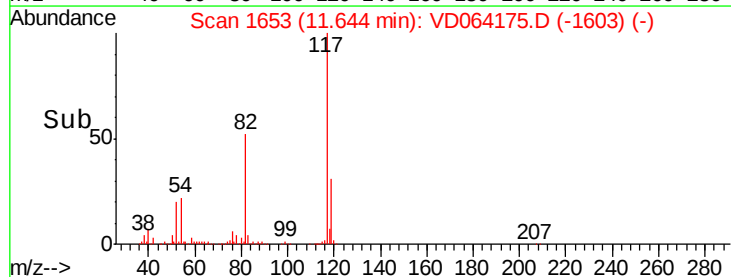
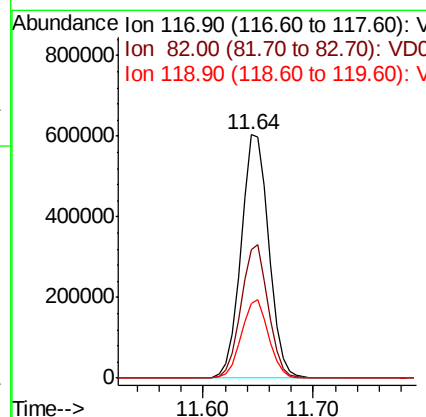
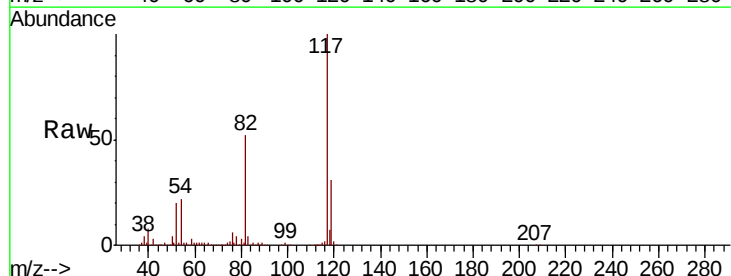
Instrument :
MSVOA_D
ClientSampleId :

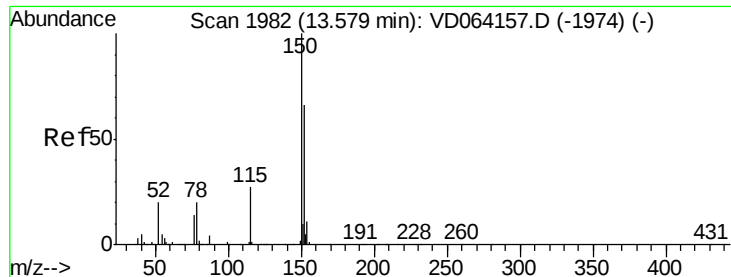
Tot Ion: 95 Resp: 507869
Ion Ratio Lower Upper
95 100
174 91.6 0.0 183.6
176 89.1 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064175.D
Acq: 11 Nov 2019 13:46

Tgt Ion: 117 Resp: 1067930
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 30.8 25.6 38.4



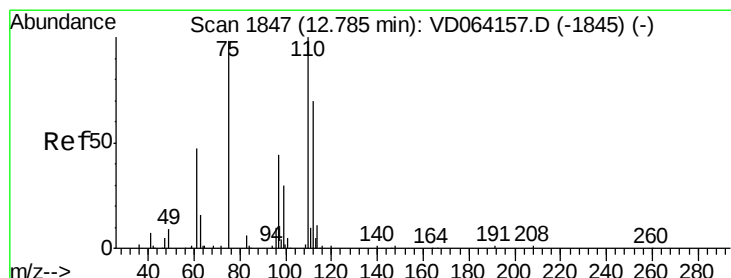
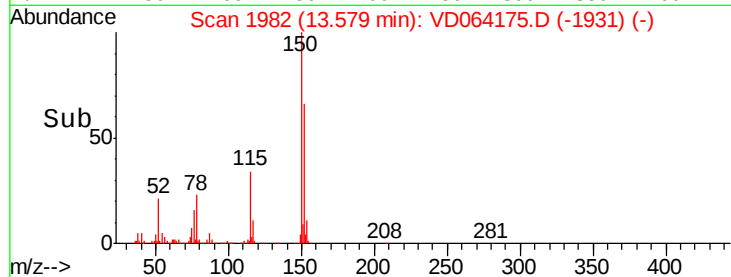
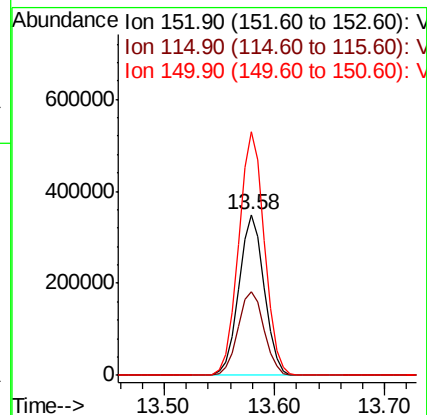
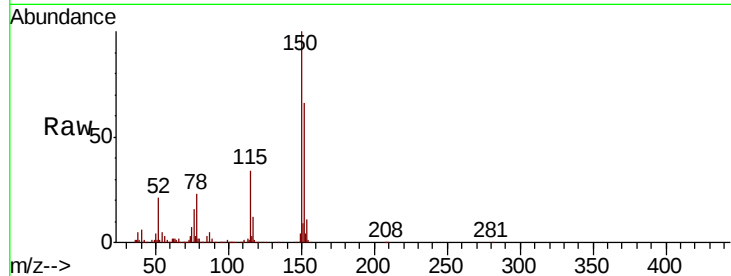


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064175.D
Acq: 11 Nov 2019 13:46

Instrument :
MSVOA_D
ClientSampleId :

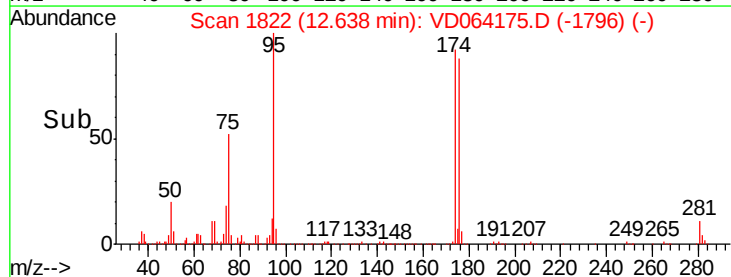
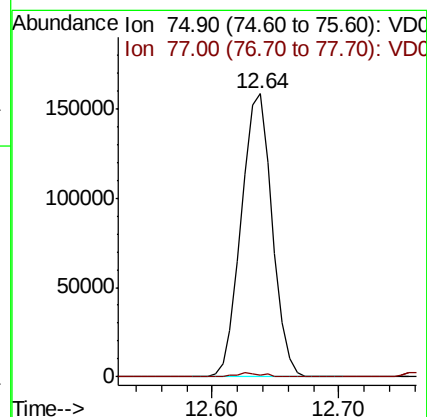
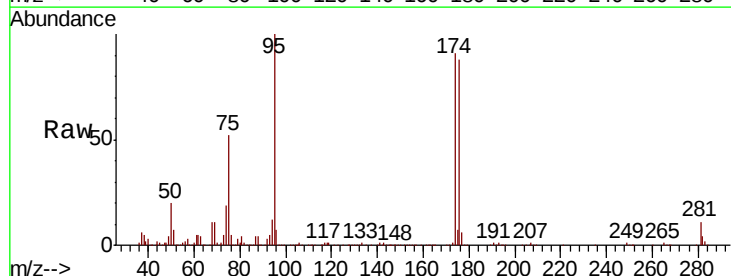
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.4	82.2
150	153.8	0.0	351.6

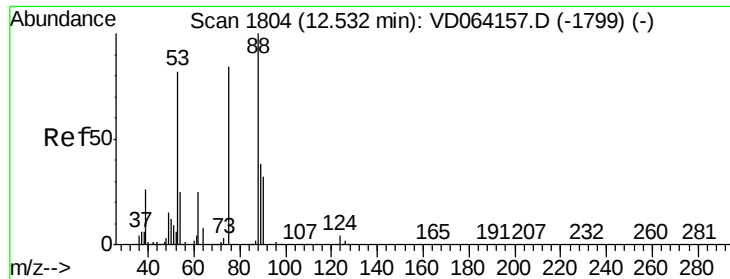


#76

1,2,3-Trichloropropane
Concen: 59.311 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064175.D
Acq: 11 Nov 2019 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 117.815 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064175.D

Acq: 11 Nov 2019 13:46

Instrument :

MSVOA_D

ClientSampleId :

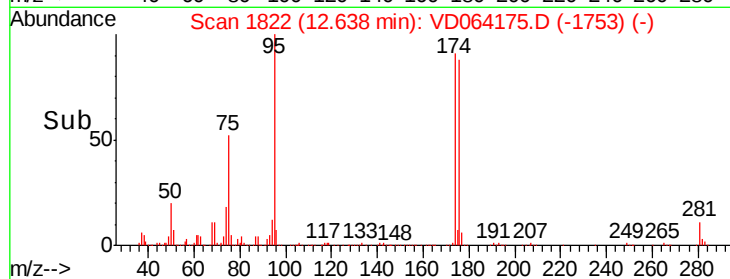
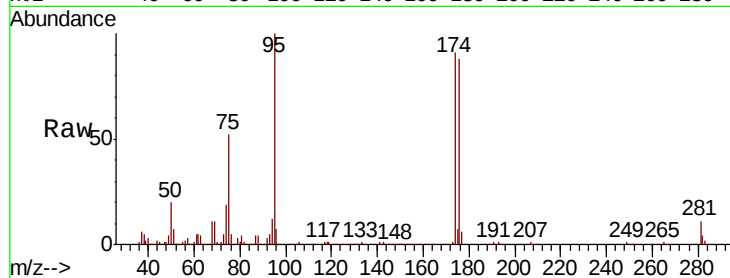
Tot Ion: 75 Resp: 267755

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

89 0.1 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

