

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064209.D
 Acq On : 14 Nov 2019 12:03
 Operator : VA/SY
 Sample : VD1114SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 15 05:51:03 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	867484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1238674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	1314406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	715539	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	336668	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	7.91	113	364055	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	10.34	98	1499875	55.92	ug/l	0.00
Spiked Amount			Recovery	=	111.84%	
62) 4-Bromofluorobenzene	12.64	95	633916	68.24	ug/l	0.00
Spiked Amount			Recovery	=	136.48%	

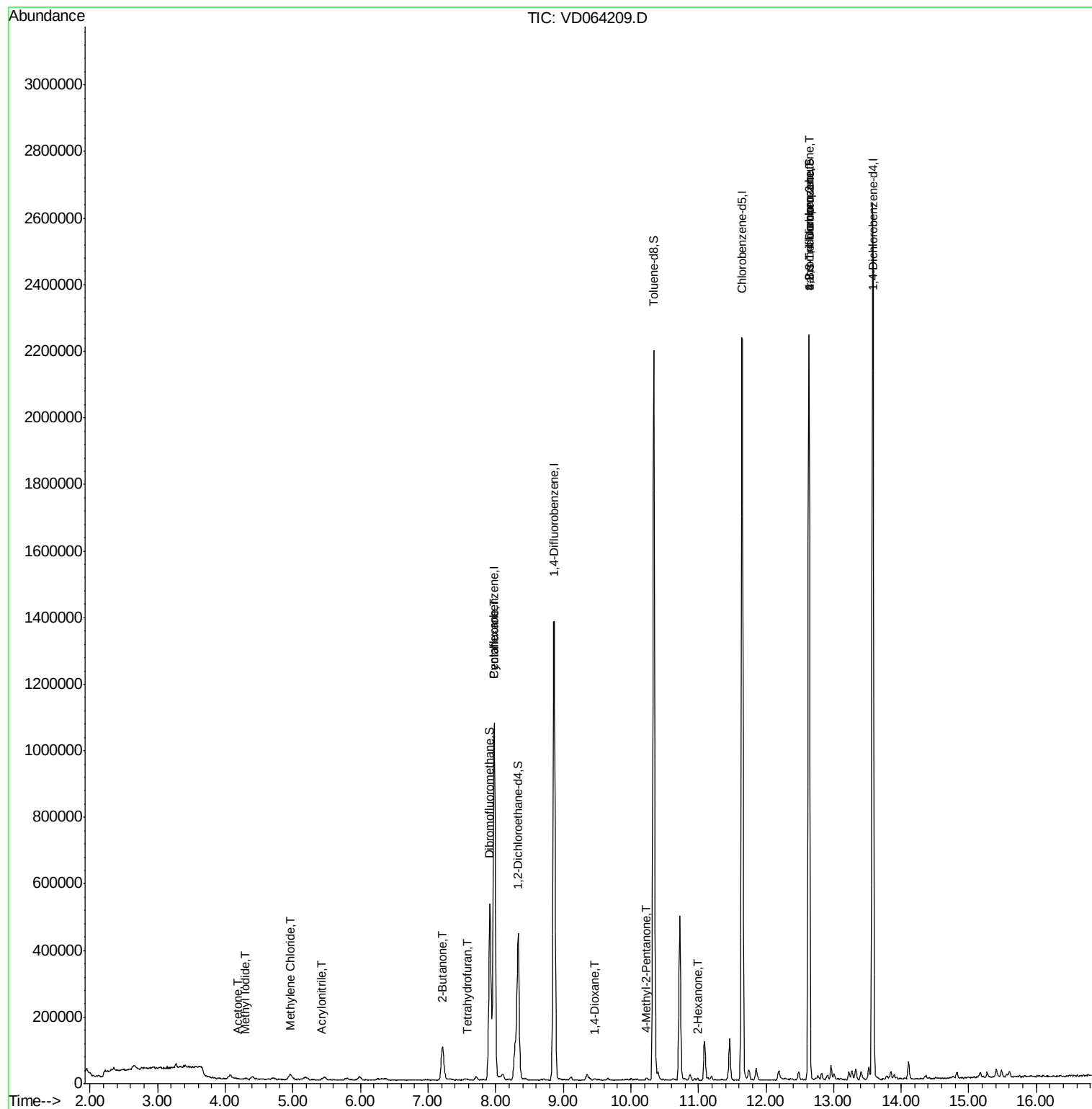
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	4020	2.473	ug/l #	68
15) Acrylonitrile	5.43	53	2326	1.483	ug/l #	85
16) Acetone	4.18	43	3489	2.064	ug/l #	72
20) Methylene Chloride	4.97	84	11731	1.374	ug/l	97
25) 2-Butanone	7.22	43	6605	3.025	ug/l #	80
29) Tetrahydrofuran	7.58	42	2531	1.929	ug/l #	51
31) Cyclohexane	7.98	56	21787	1.556	ug/l #	35
49) 1,4-Dioxane	9.46	88	55	1.125	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	5471	1.149	ug/l	91
59) 2-Hexanone	10.99	43	3817	1.127	ug/l	74
76) 1,2,3-Trichloropropane	12.64	75	329469	57.165	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	329469	113.553	ug/l #	10

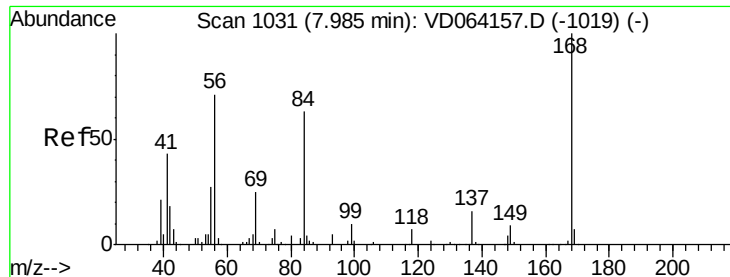
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111419\
Data File : VD064209.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
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# 1030

Delta R.T. -0.01 min

Lab File: VD064209.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_D

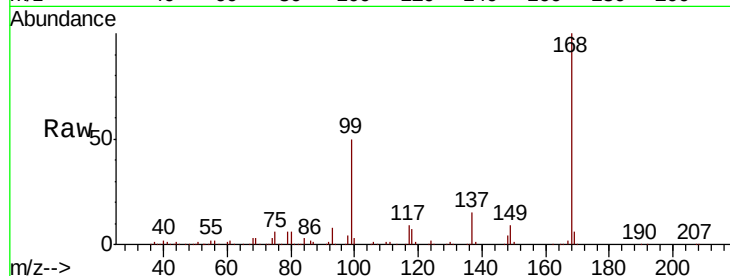
ClientSampled :

Tot Ion:168 Resp: 867484

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): V

7.98

400000

300000

200000

100000

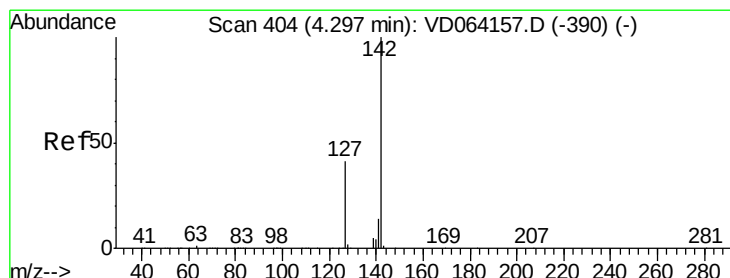
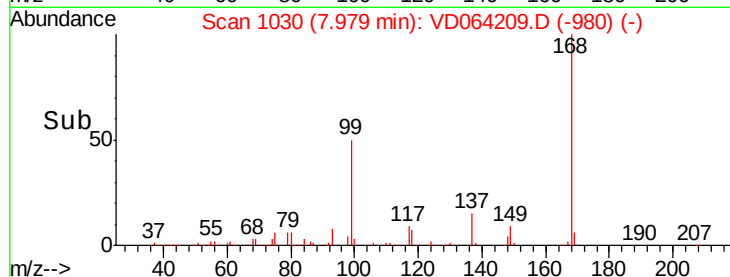
0

7.90

8.00

8.10

Time-->



#10

Methyl Iodide

Concen: 2.473 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064209.D

Acq: 14 Nov 2019 12:03

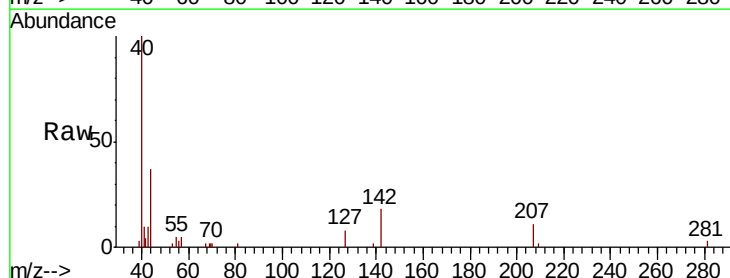
Tgt Ion:142 Resp: 4020

Ion Ratio Lower Upper

142 100

127 21.7 34.4 51.6#

141 2.0 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

4.29

1500

1000

500

0

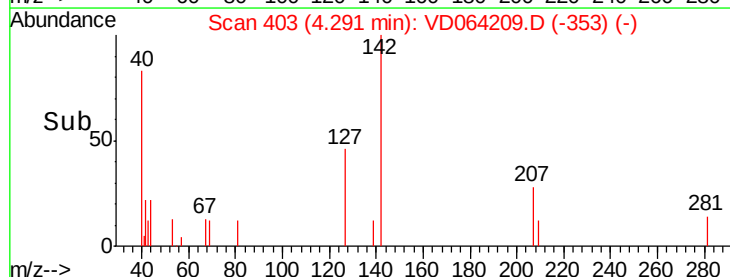
4.20

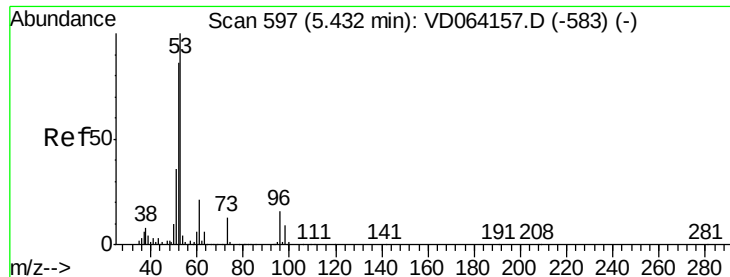
4.25

4.30

4.35

Time-->





#15

Acrylonitrile

Concen: 1.483 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064209.D

Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampled :

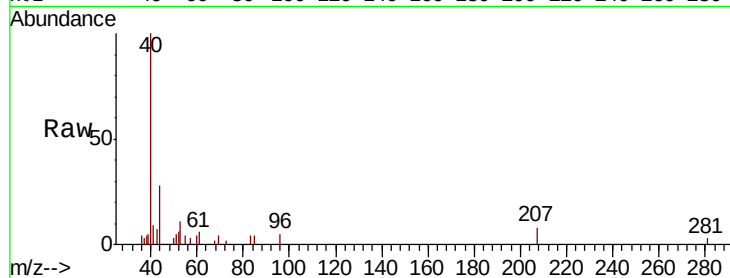
Tot Ion: 53 Resp: 2326

Ion Ratio Lower Upper

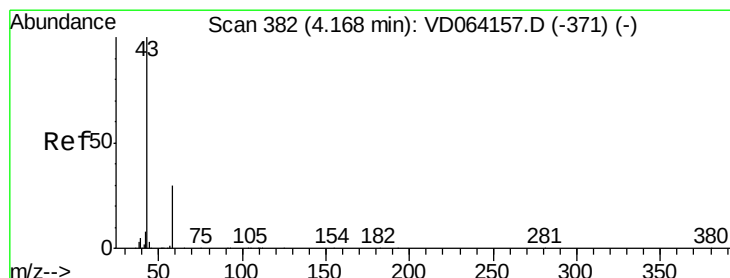
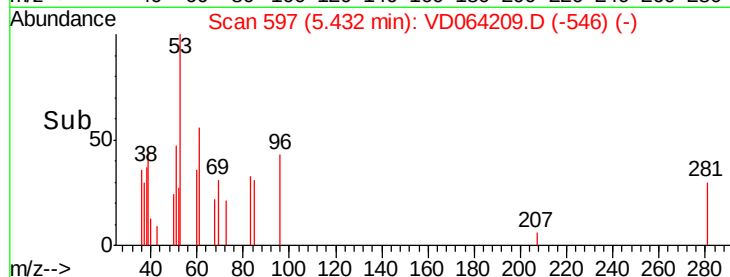
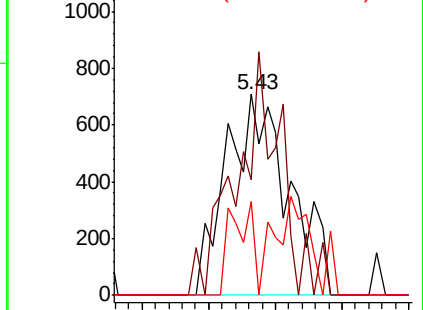
53 100

52 79.2 66.7 100.1

51 16.3 30.6 46.0#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 2.064 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064209.D

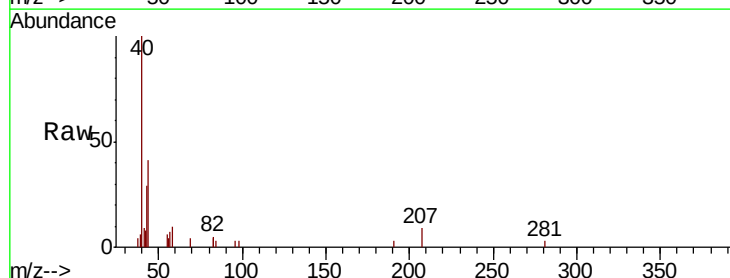
Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 3489

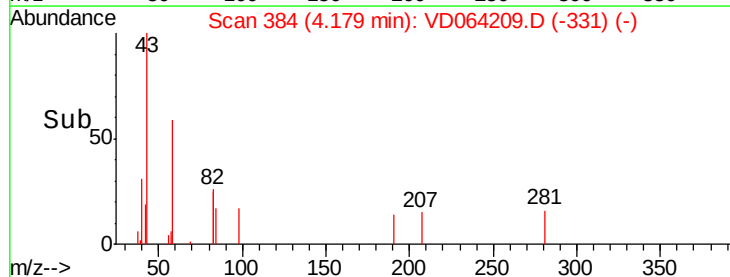
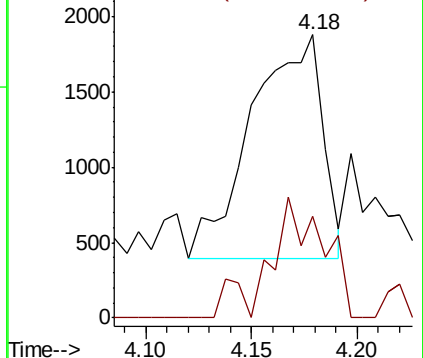
Ion Ratio Lower Upper

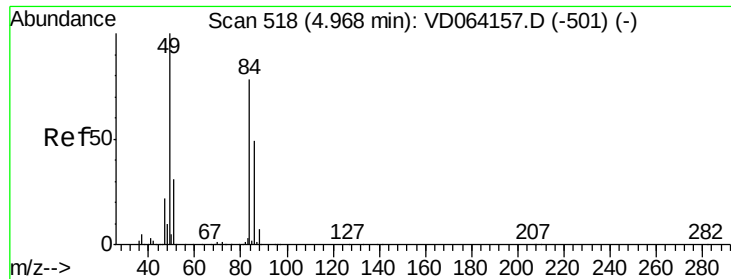
43 100

58 45.3 24.1 36.1#



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

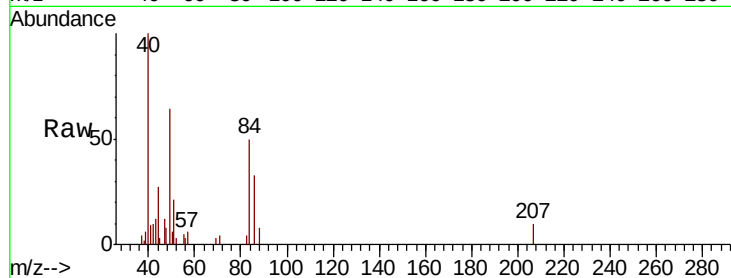




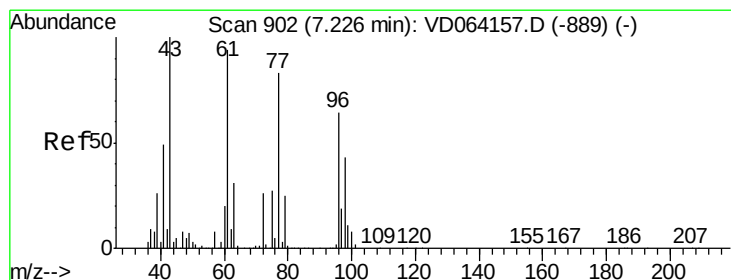
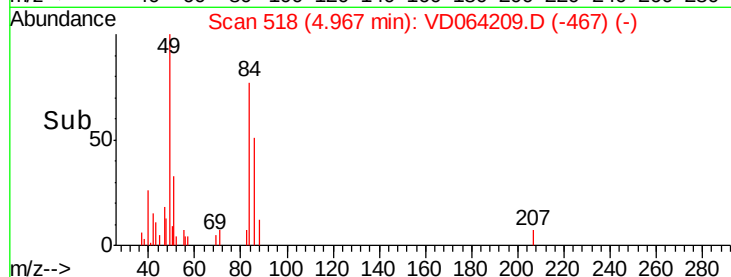
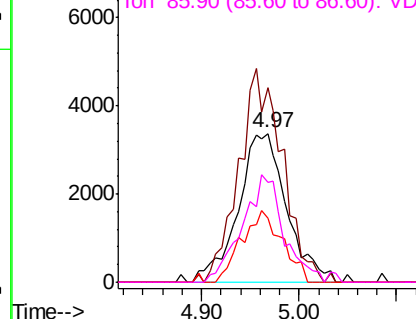
#20
Methvlene Chloride
Concen: 1.374 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 11731
Ion Ratio Lower Upper
84 100
49 130.2 102.1 153.1
51 42.7 32.2 48.2
86 66.6 49.9 74.9

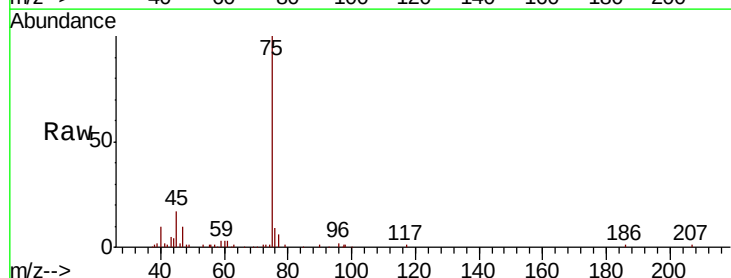


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

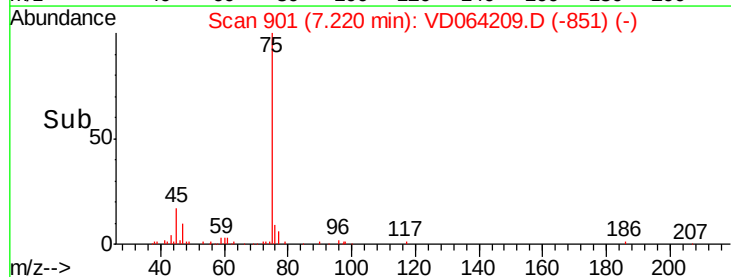
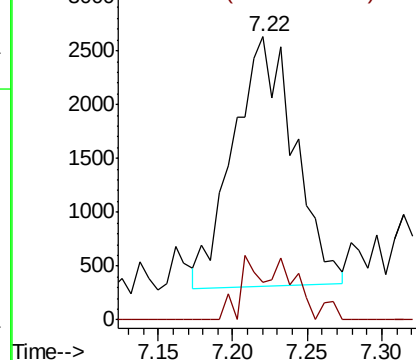


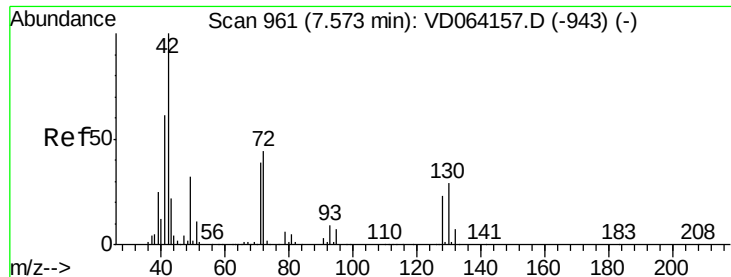
#25
2-Butanone
Concen: 3.025 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 6605
Ion Ratio Lower Upper
43 100
72 15.8 20.6 30.8#



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

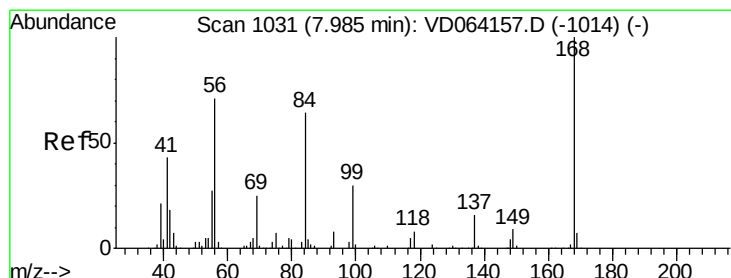
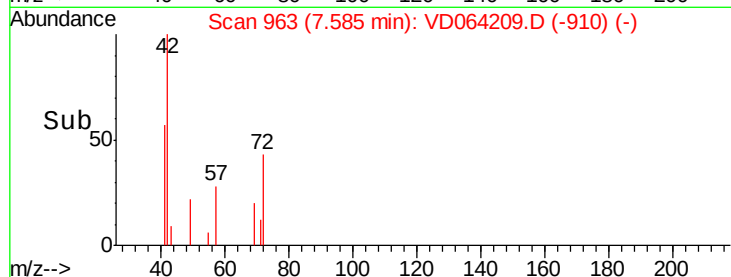
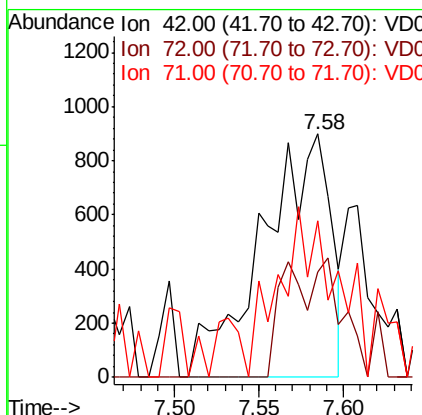
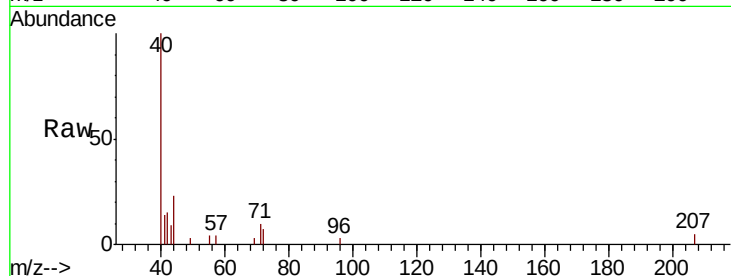




#29
Tetrahydrofuran
Concen: 1.929 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

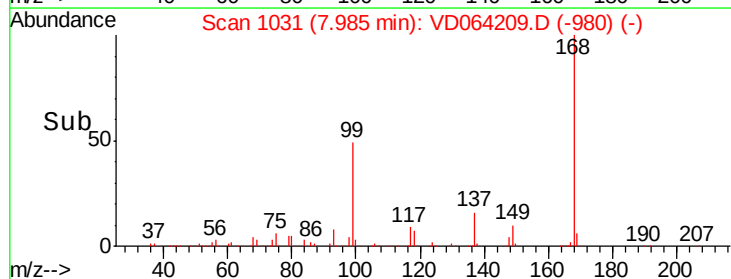
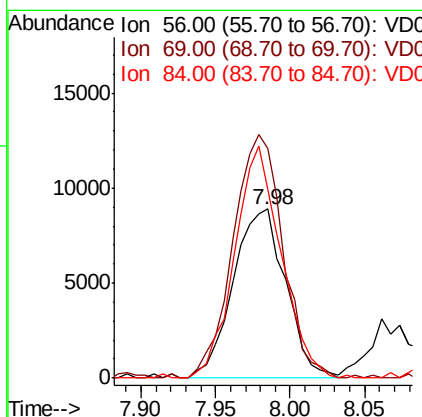
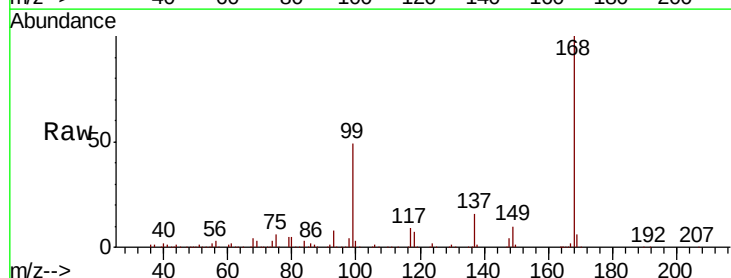
Instrument :
MSVOA_D
ClientSampleId :

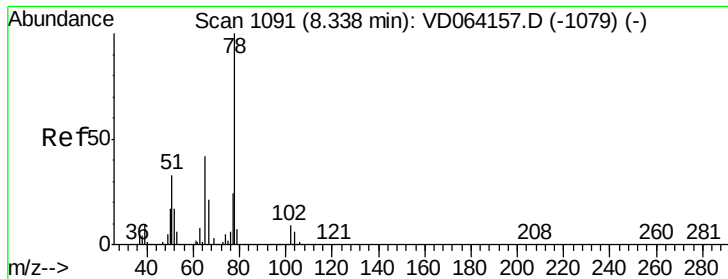
Tot Ion: 42 Resp: 2531
Ion Ratio Lower Upper
42 100
72 19.9 33.4 50.2#
71 0.0 31.0 46.4#



#31
Cyclohexane
Concen: 1.556 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 56 Resp: 21787
Ion Ratio Lower Upper
56 100
69 135.5 28.2 42.4#
84 111.3 71.8 107.6#

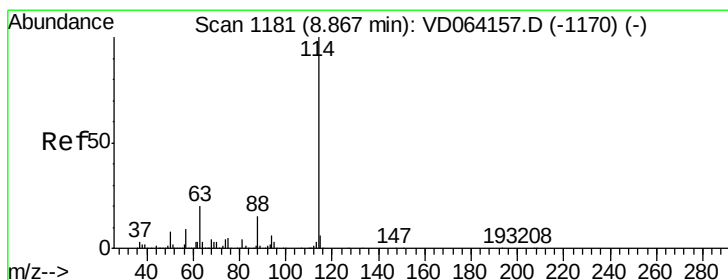
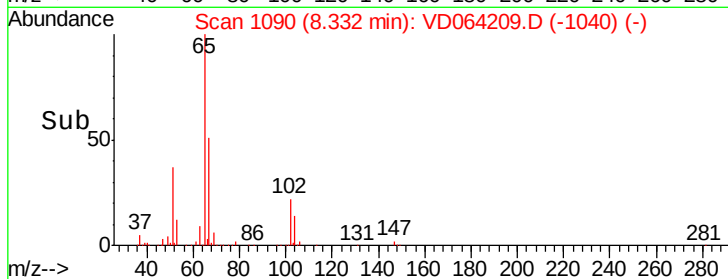
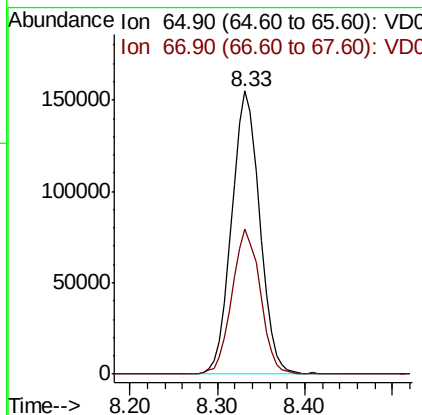
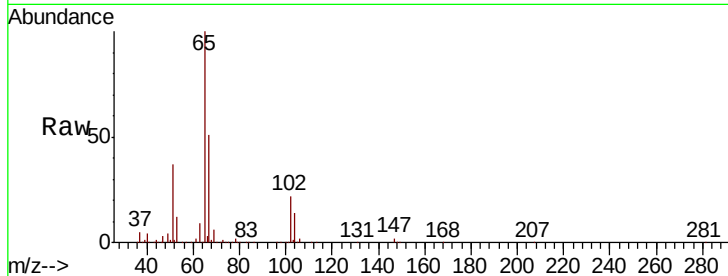




#33
 1,2-Dichloroethane-d4
 Concen: 47.188 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064209.D
 Acq: 14 Nov 2019 12:03

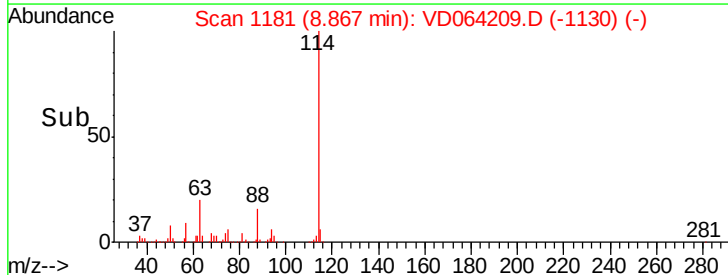
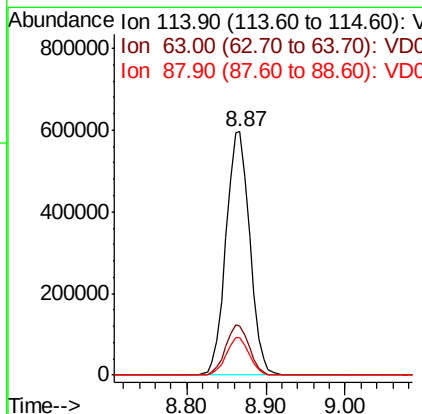
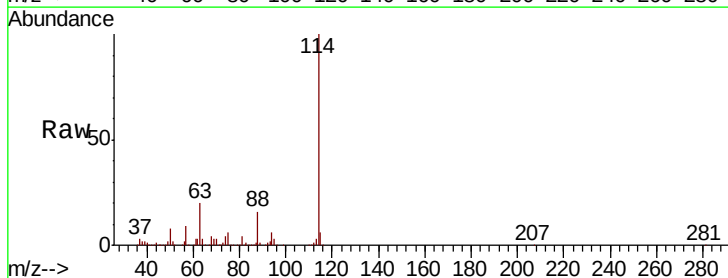
Instrument :
 MSVOA_D
 ClientSampleId :

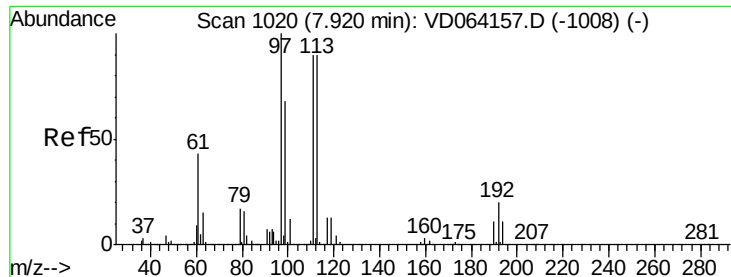
Tot Ion: 65 Resp: 336668
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064209.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 114 Resp: 1238674
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.5 0.0 30.2

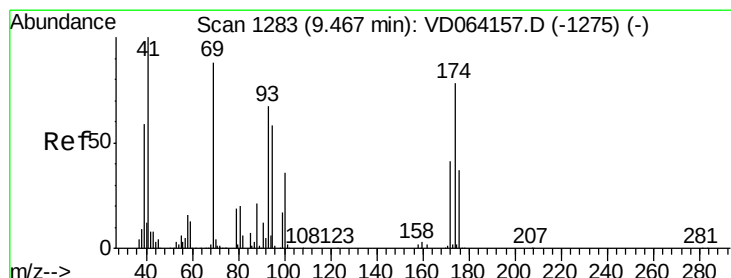
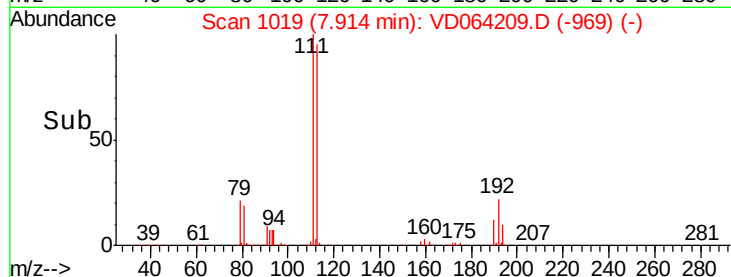
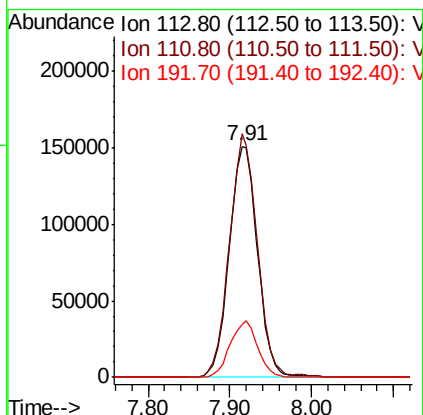
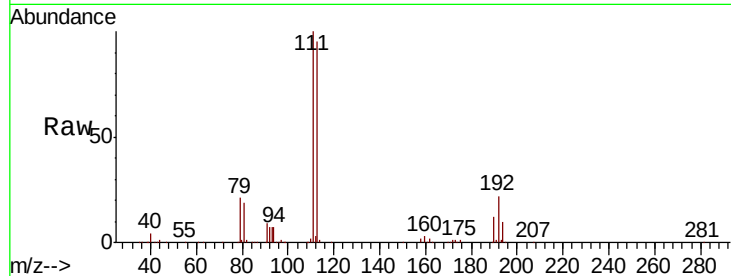




#35
 Dibromofluoromethane
 Concen: 51.202 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064209.D
 Acq: 14 Nov 2019 12:03

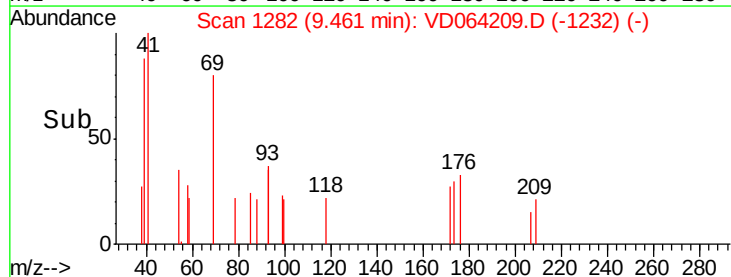
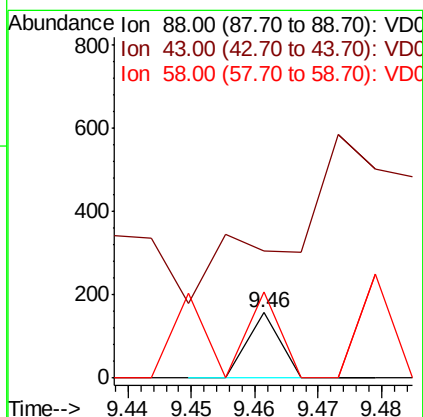
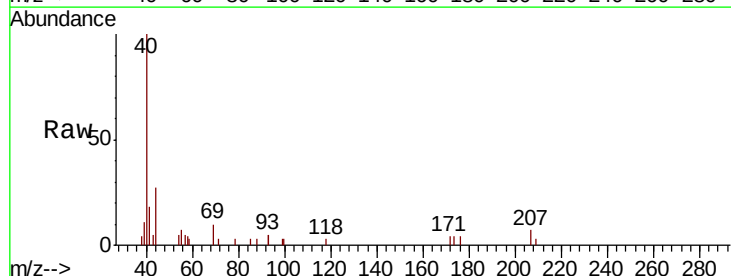
Instrument :
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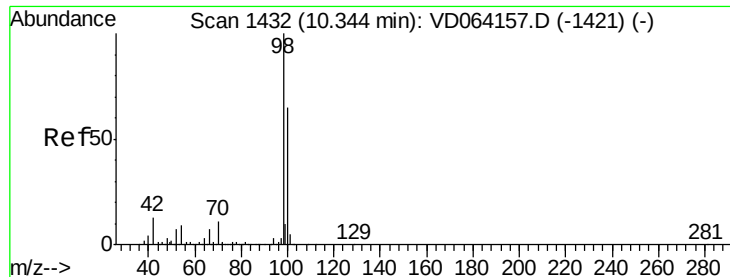
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	23.9	18.8	28.2



#49
 1,4-Dioxane
 Concen: 1.125 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD064209.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.8	44.8#
58	261.8	58.1	87.1#

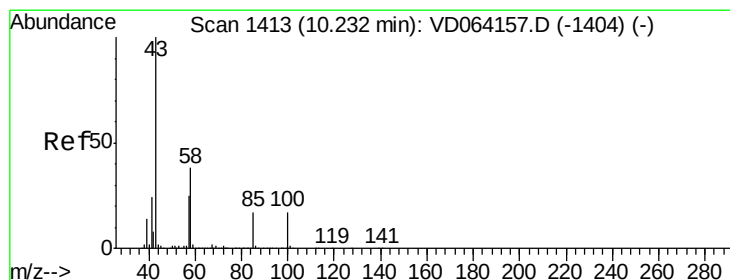
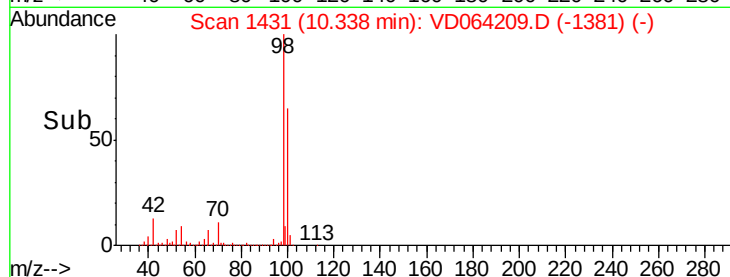
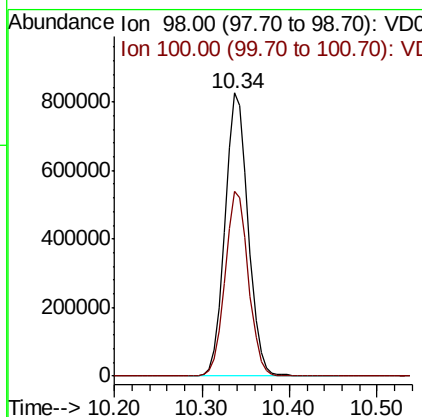
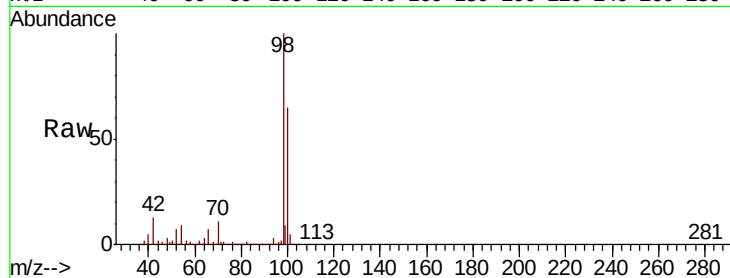




#50
Toluene-d8
Concen: 55.918 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

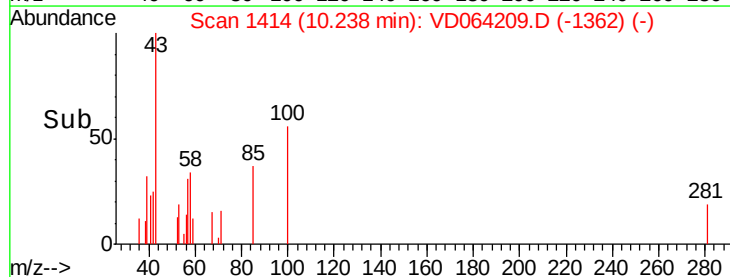
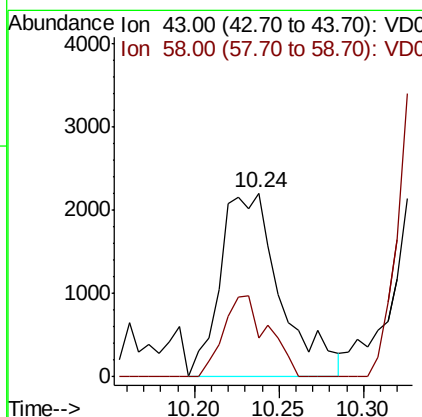
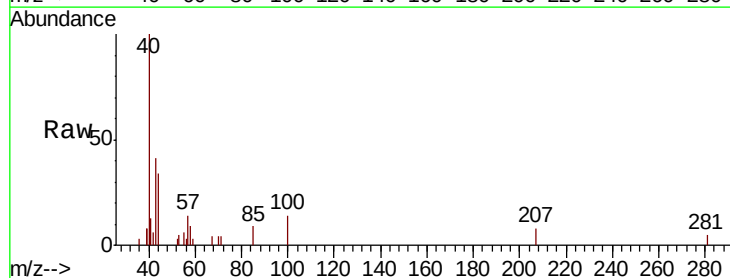
Instrument :
MSVOA_D
ClientSampled :

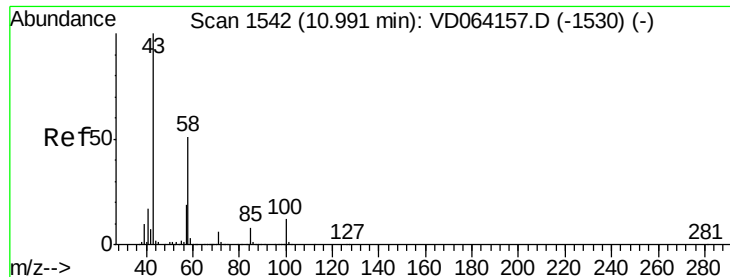
Tot Ion: 98 Resp: 1499875
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.149 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 5471
Ion Ratio Lower Upper
43 100
58 32.5 30.2 45.4

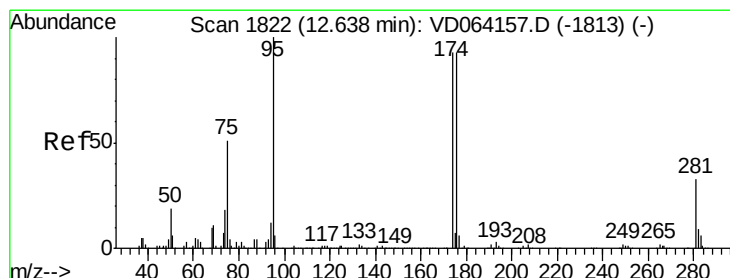
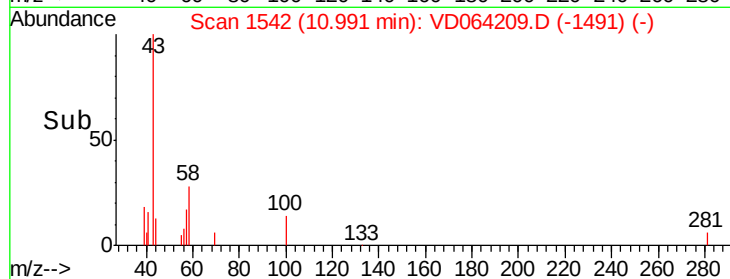
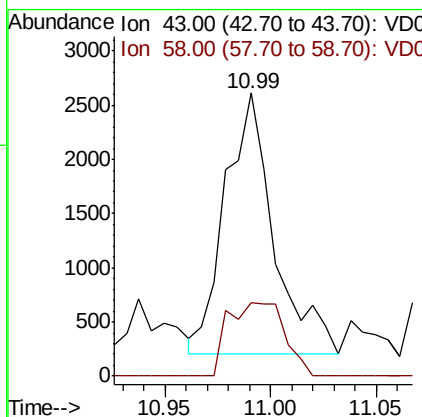
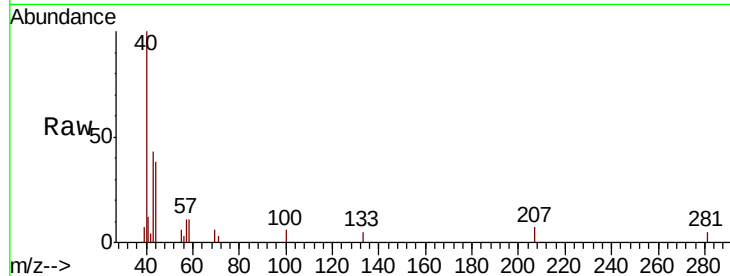




#59
2-Hexanone
Concen: 1.127 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

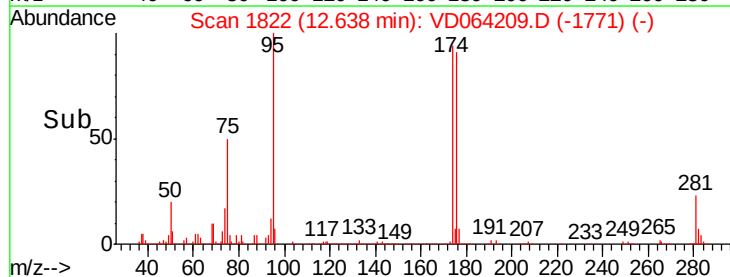
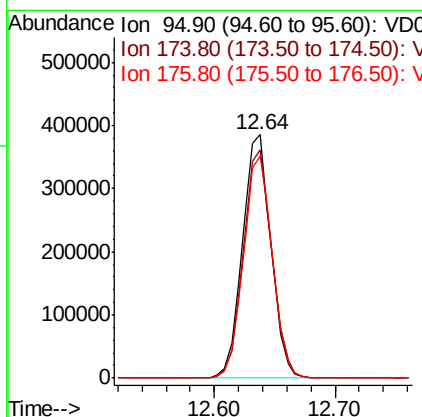
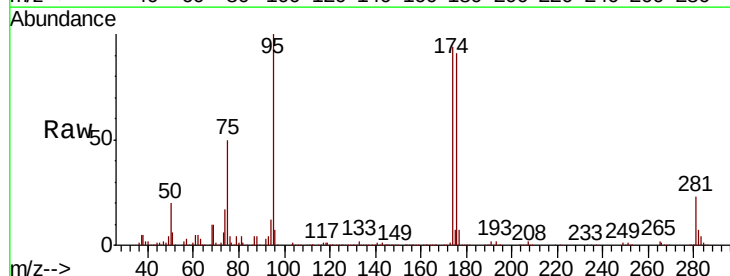
Instrument :
MSVOA_D
ClientSampled :

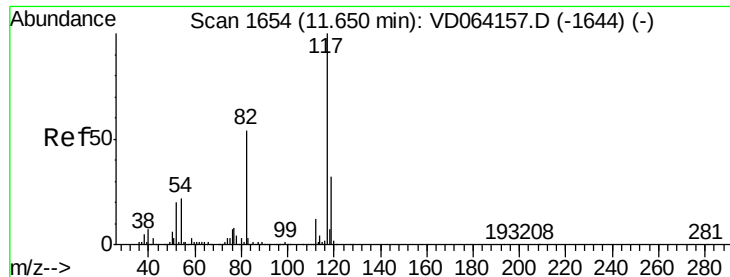
Tot Ion: 43 Resp: 3817
Ion Ratio Lower Upper
43 100
58 33.2 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 68.245 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 95 Resp: 633916
Ion Ratio Lower Upper
95 100
174 94.4 0.0 183.6
176 92.4 0.0 180.2

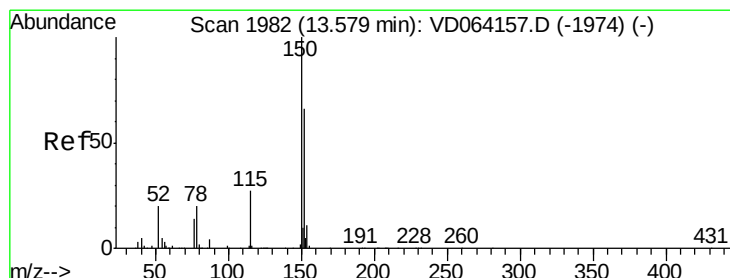
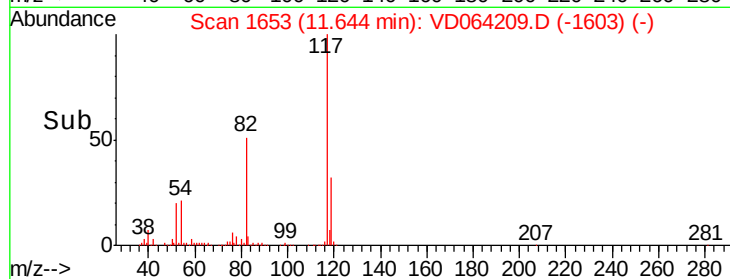
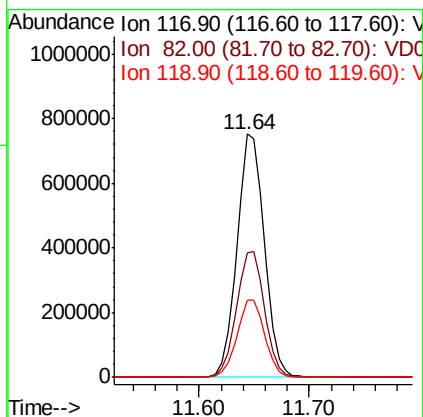
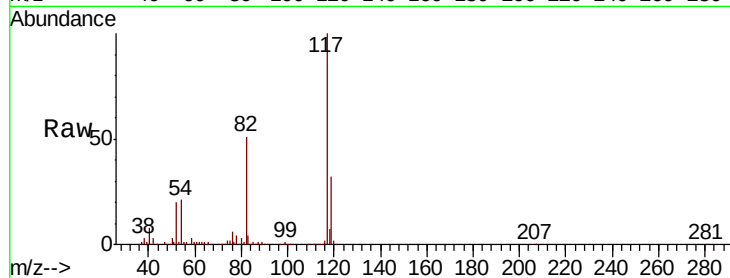




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

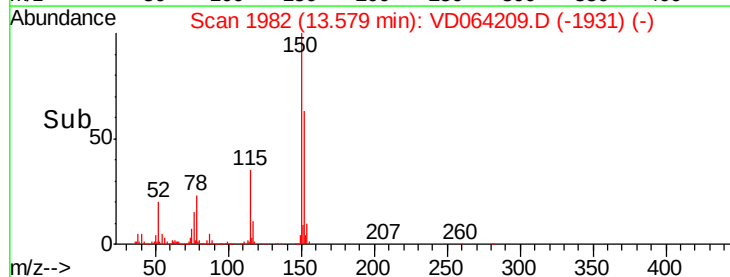
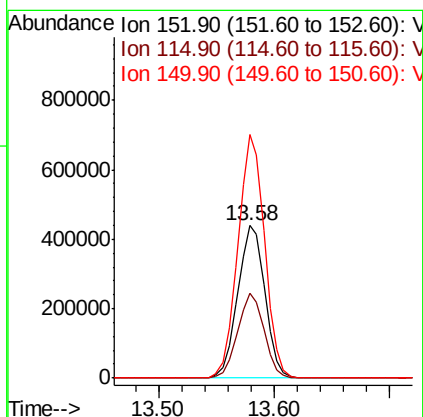
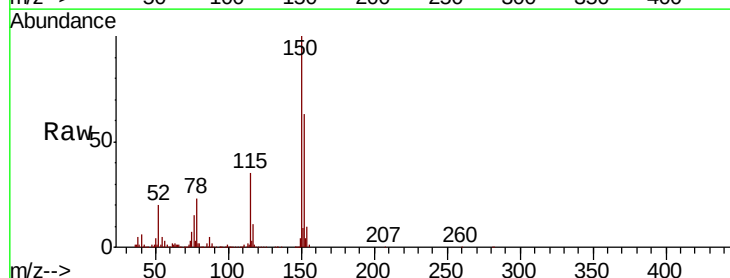
Instrument :
MSVOA_D
ClientSampled :

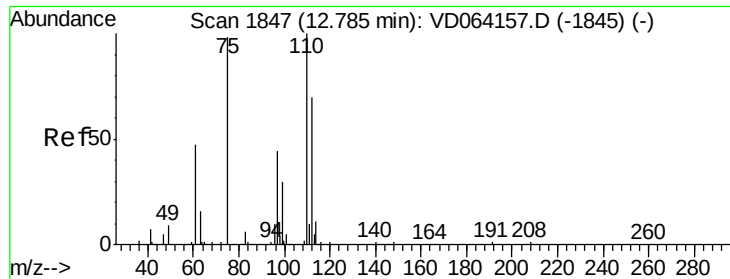
Tot Ion:117 Resp: 1314406
Ion Ratio Lower Upper
117 100
82 51.1 42.8 64.2
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064209.D
Acq: 14 Nov 2019 12:03

Tgt Ion:152 Resp: 715539
Ion Ratio Lower Upper
152 100
115 54.0 27.4 82.2
150 156.4 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 57.165 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064209.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_D

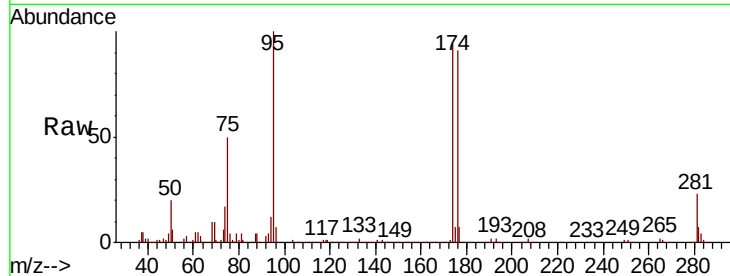
ClientSampleId :

Tot Ion: 75 Resp: 329469

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

200000

150000

100000

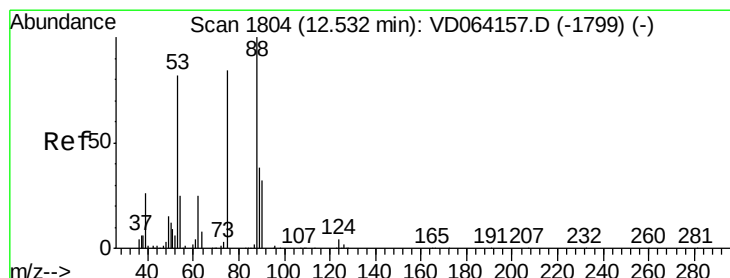
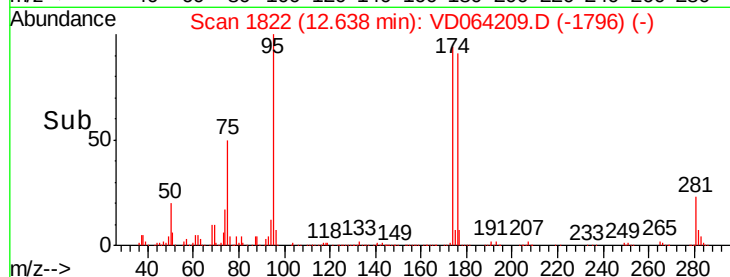
50000

0

12.64

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 113.553 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064209.D

Acq: 14 Nov 2019 12:03

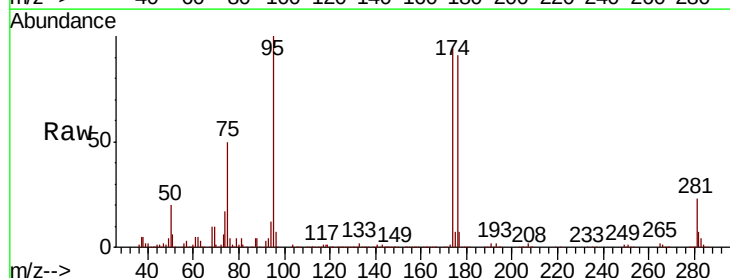
Tgt Ion: 75 Resp: 329469

Ion Ratio Lower Upper

75 100

53 0.0 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

250000

200000

150000

100000

50000

0

12.64

12.60 12.70

Time-->

