

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064183.D
 Acq On : 11 Nov 2019 17:43
 Operator : VA/SY
 Sample : K5760-12
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:49:34 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	533859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	891199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	853300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	365554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	270001	61.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.98%	
35) Dibromofluoromethane	7.92	113	281883	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	10.34	98	1082708	56.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.20%	
62) 4-Bromofluorobenzene	12.64	95	375764	56.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.46%	

Target Compounds

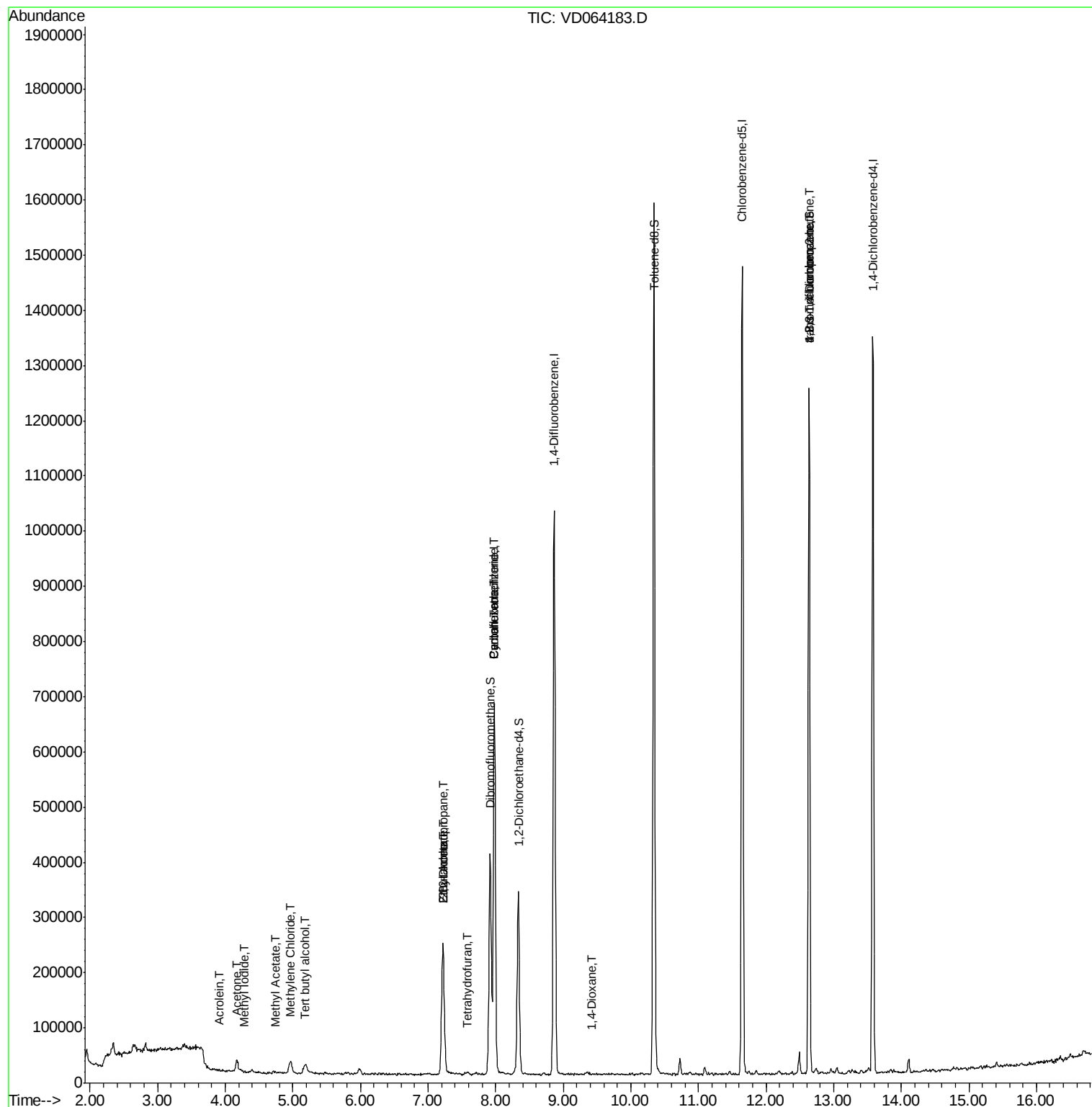
					Qvalue	
10) Methyl Iodide	4.29	142	858	2.185	ug/l	98
11) Tert butyl alcohol	5.18	59	17509	57.094	ug/l #	78
13) Acrolein	3.91	56	300	1.156	ug/l #	15
16) Acetone	4.17	43	41923	40.305	ug/l	92
18) Methyl Acetate	4.73	43	5653	1.946	ug/l #	86
20) Methylene Chloride	4.96	84	15830	3.013	ug/l	91
25) 2-Butanone	7.23	43	15770	11.735	ug/l #	72
26) 2,2-Dichloropropane	7.22	77	16896	2.016	ug/l #	60
29) Tetrahydrofuran	7.57	42	1889	2.340	ug/l #	54
31) Cyclohexane	7.98	56	11921	1.383	ug/l #	15
37) Ethyl Acetate	7.23	43	15780	4.551	ug/l #	19
38) Carbon Tetrachloride	7.98	117	49188	5.589	ug/l #	15
49) 1,4-Dioxane	9.43	88	80	2.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	194859	66.179	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	194859	131.457	ug/l #	10

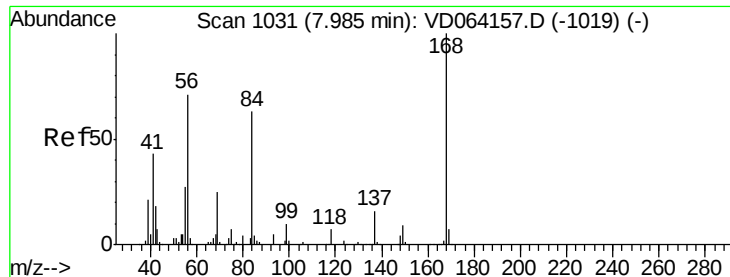
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111119\
Data File : VD064183.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
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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# 1030

Delta R.T. -0.01 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

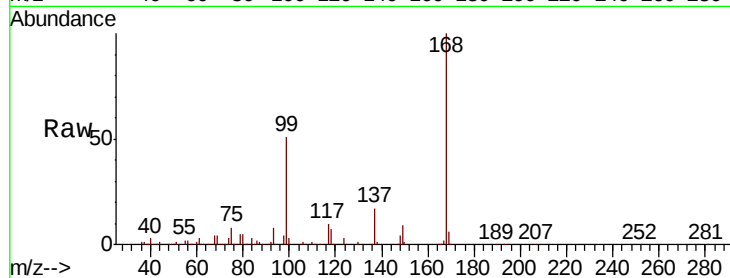
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 533859

Ion Ratio Lower Upper

168 100

99 50.6 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

250000

200000

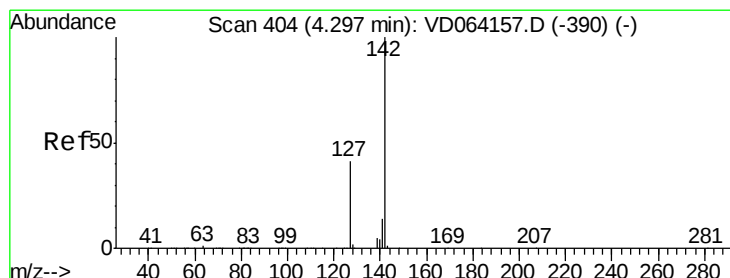
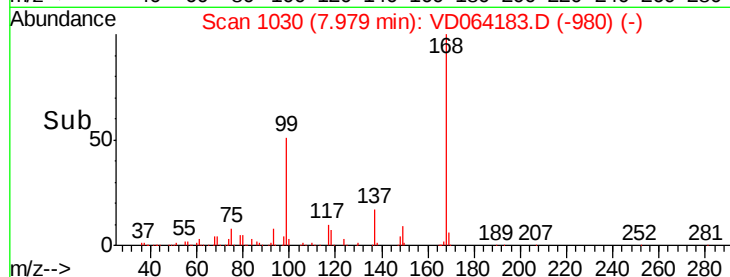
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.185 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

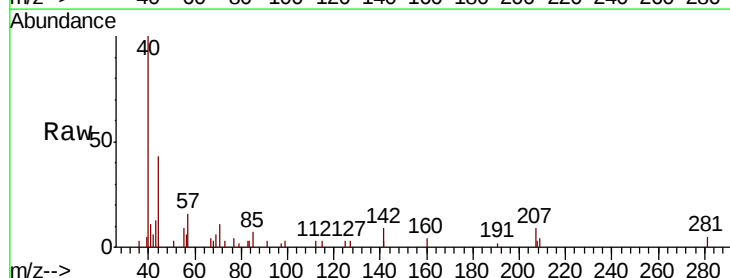
Tgt Ion:142 Resp: 858

Ion Ratio Lower Upper

142 100

127 44.3 34.4 51.6

141 14.7 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

800

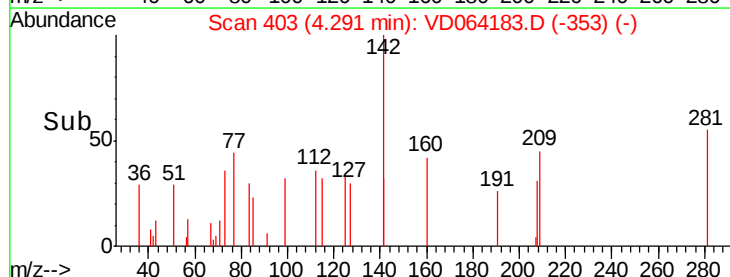
600

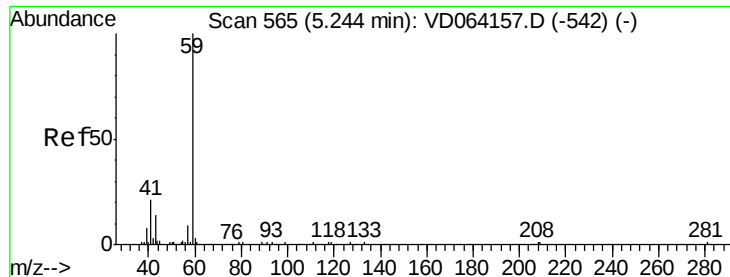
400

200

0

Time-->



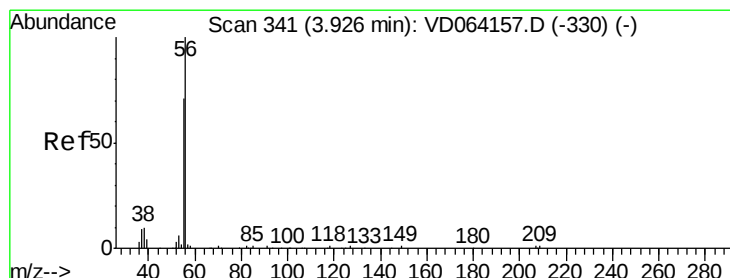
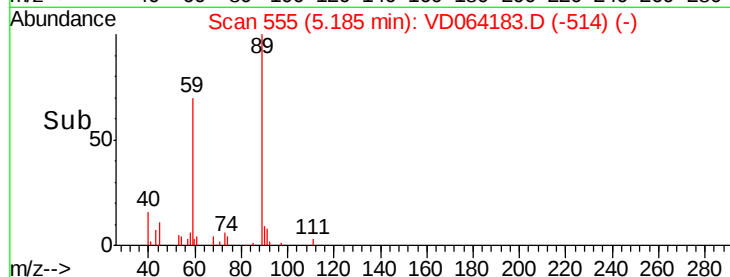
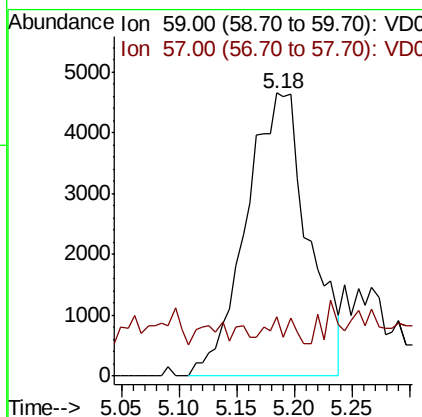
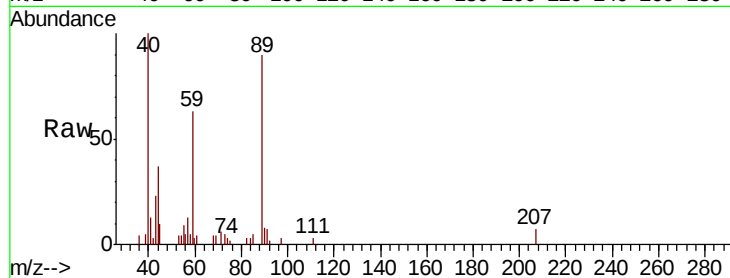


#11

Tert butyl alcohol
Concen: 57.094 ug/l
RT: 5.18 min Scan# 555
Delta R.T. -0.06 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Instrument :
MSVOA_D
ClientSampled :

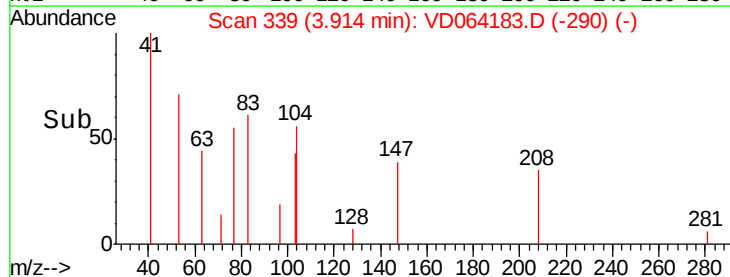
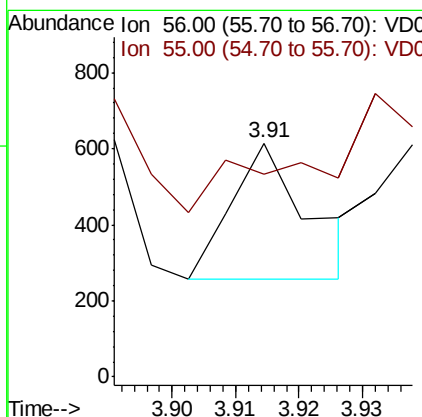
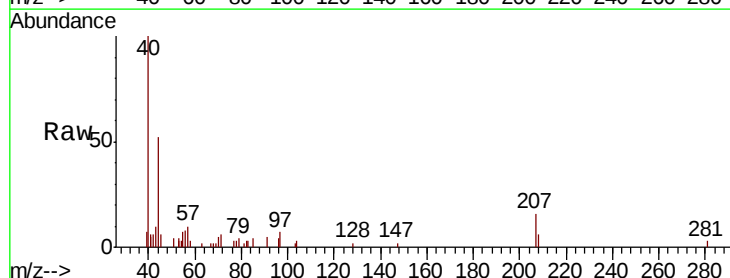
Tot Ion: 59 Resp: 17509
Ion Ratio Lower Upper
59 100
57 3.4 9.4 14.2#

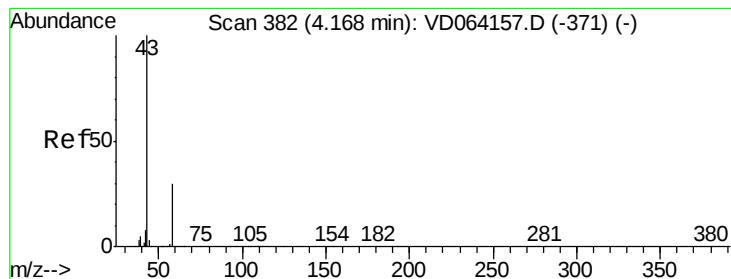


#13

Acrolein
Concen: 1.156 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Tgt Ion: 56 Resp: 300
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#





#16

Acetone

Concen: 40.305 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

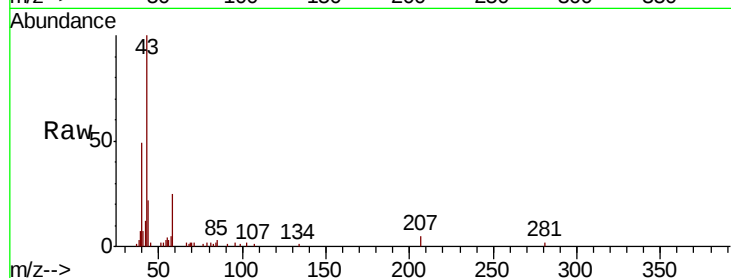
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 41923

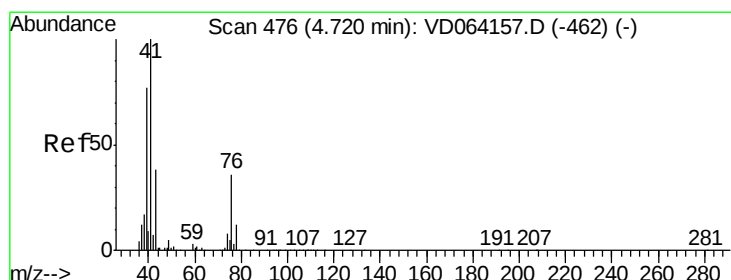
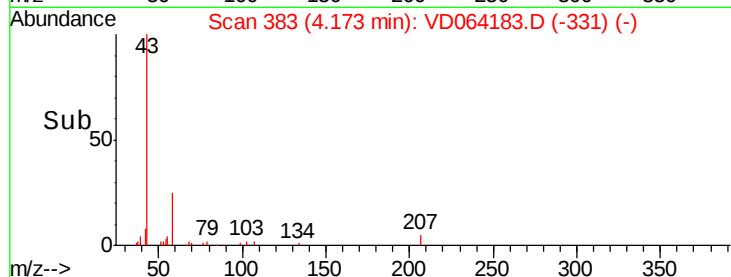
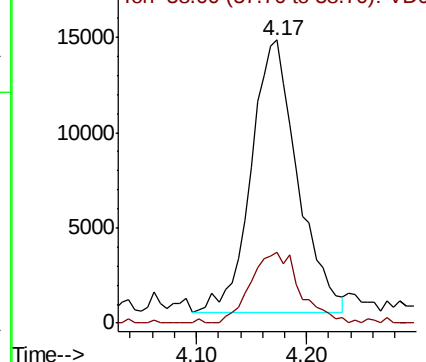
Ion Ratio Lower Upper

43 100

58 26.0 24.1 36.1



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



#18

Methyl Acetate

Concen: 1.946 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064183.D

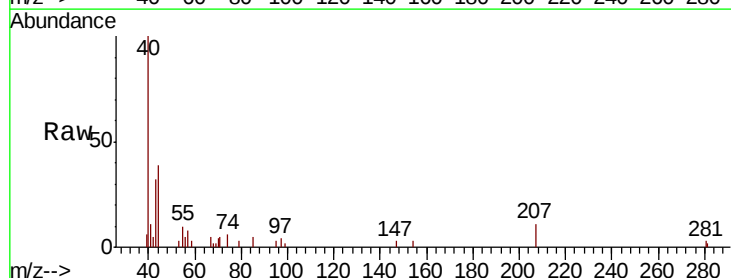
Acq: 11 Nov 2019 17:43

Tgt Ion: 43 Resp: 5653

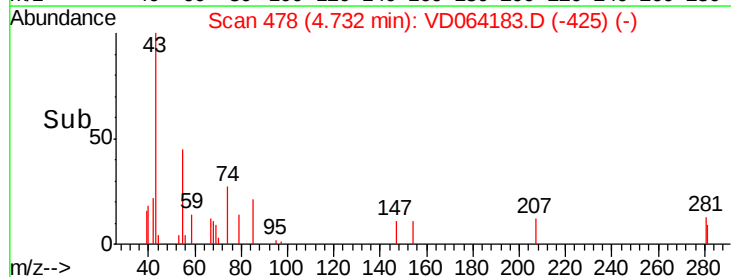
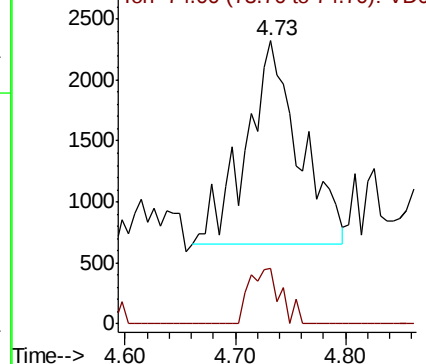
Ion Ratio Lower Upper

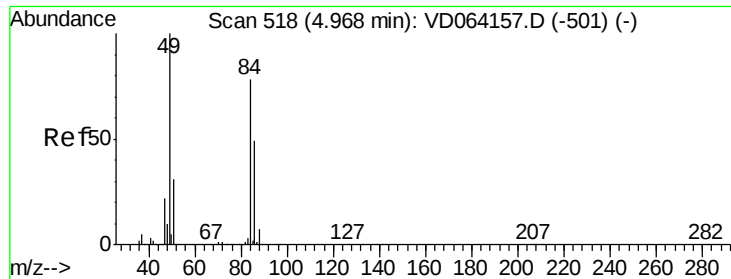
43 100

74 16.2 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

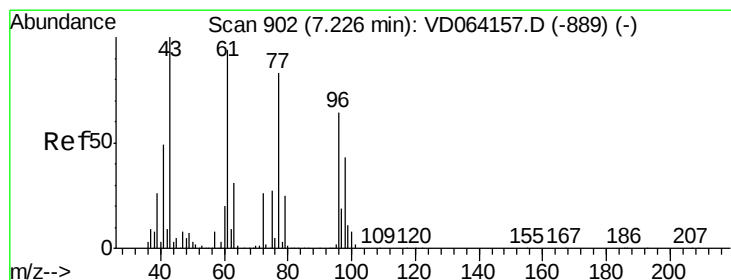
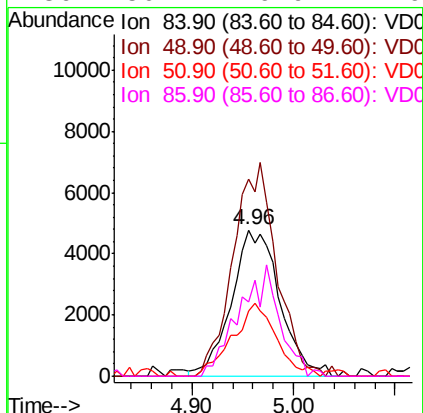
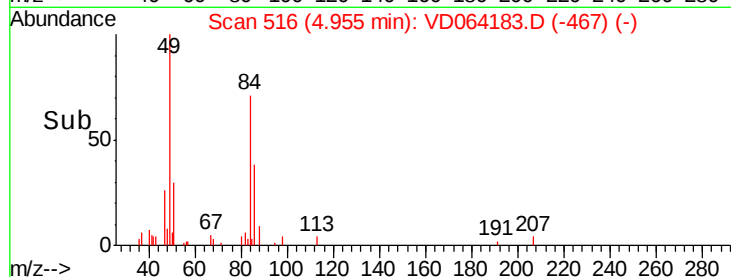
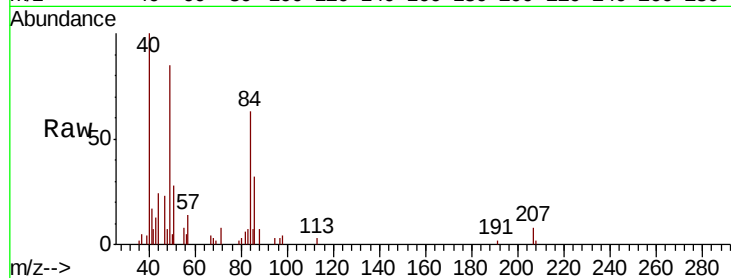




#20
Methvlene Chloride
Concen: 3.013 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

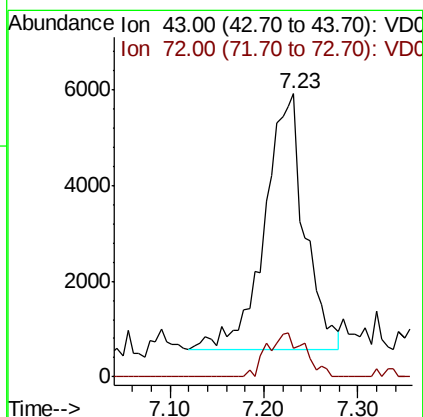
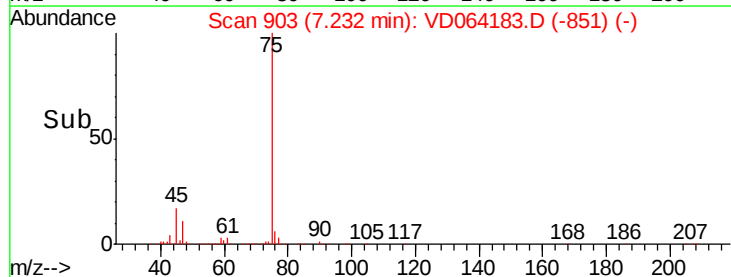
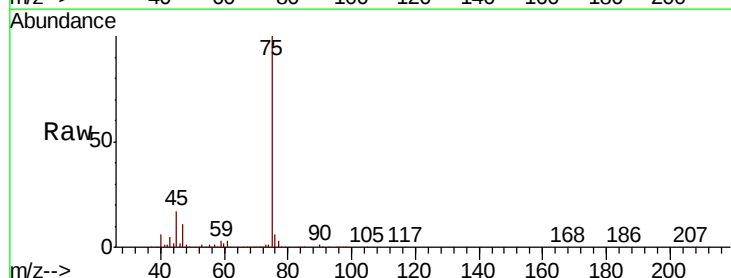
Instrument :
MSVOA_D
ClientSampleId :

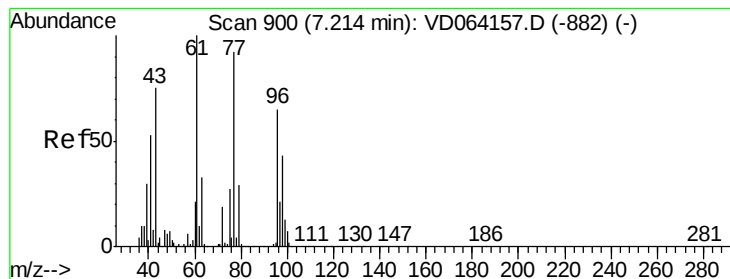
Tot Ion: 84 Resp: 15830
Ion Ratio Lower Upper
84 100
49 134.6 102.1 153.1
51 44.7 32.2 48.2
86 50.7 49.9 74.9



#25
2-Butanone
Concen: 11.735 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Tgt Ion: 43 Resp: 15770
Ion Ratio Lower Upper
43 100
72 11.4 20.6 30.8#





#26

2,2-Dichloropropane

Concen: 2.016 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

Instrument :

MSVOA_D

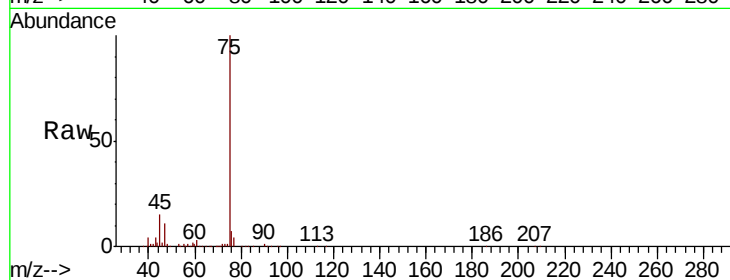
ClientSampleId :

Tot Ion: 77 Resp: 16896

Ion Ratio Lower Upper

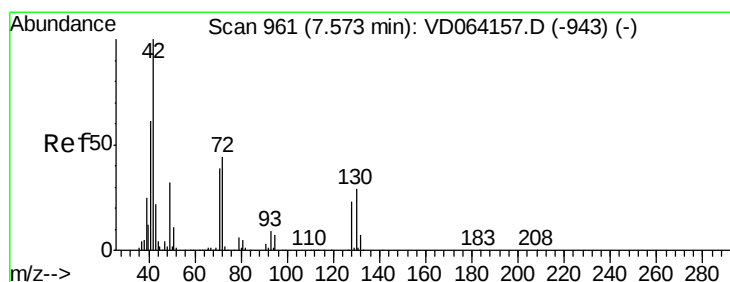
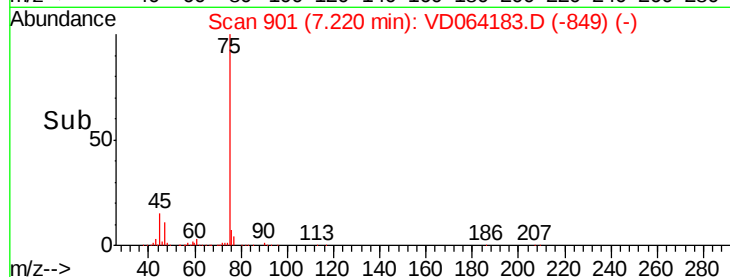
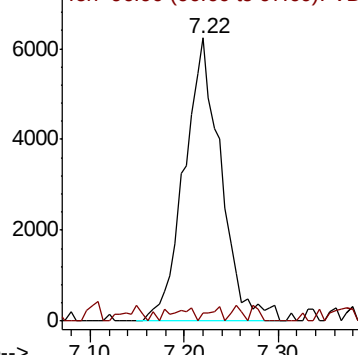
77 100

97 3.3 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#29

Tetrahydrofuran

Concen: 2.340 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

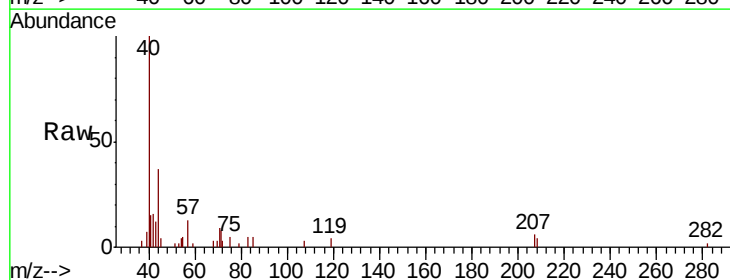
Tgt Ion: 42 Resp: 1889

Ion Ratio Lower Upper

42 100

72 21.8 33.4 50.2#

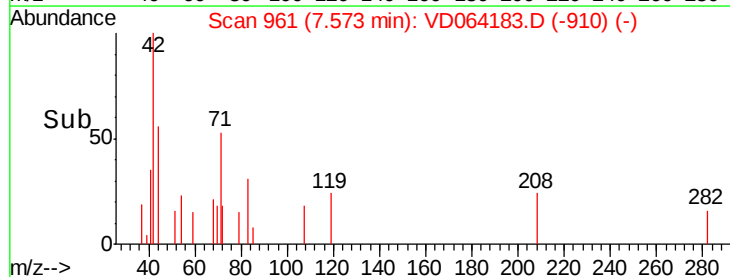
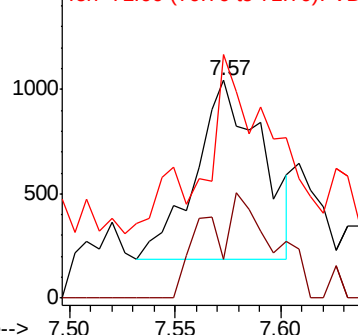
71 76.3 31.0 46.4#

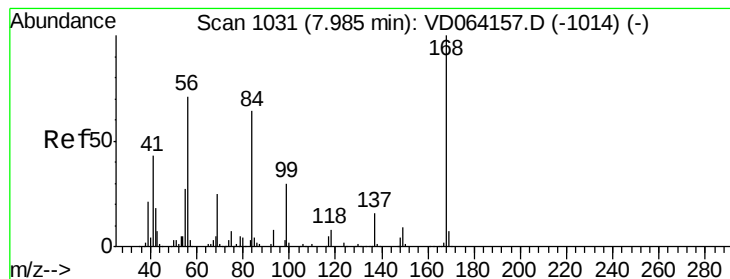


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cvclohexane

Concen: 1.383 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

Instrument :
MSVOA_D
ClientSampleId :

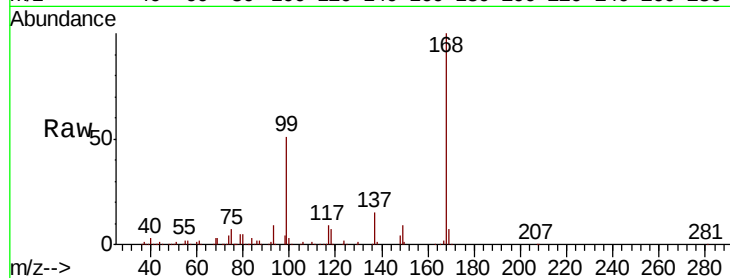
Tot Ion: 56 Resp: 11921

Ion Ratio Lower Upper

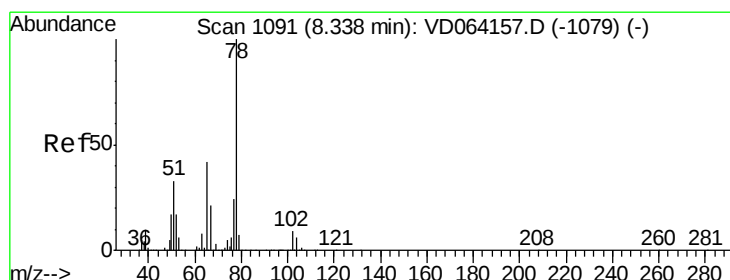
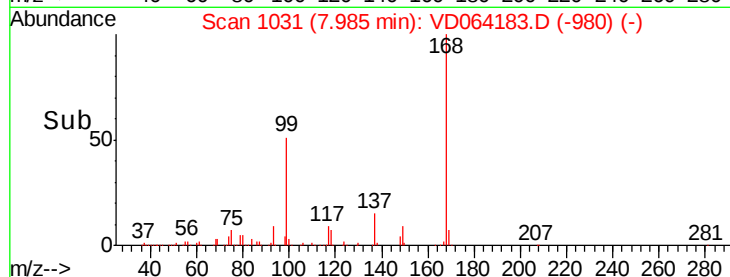
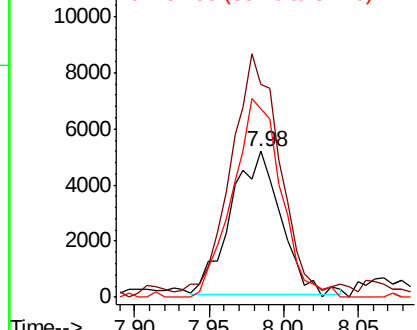
56 100

69 141.5 28.2 42.4#

84 133.7 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: 61.494 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064183.D

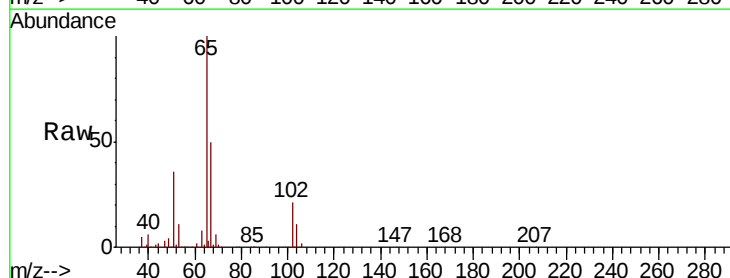
Acq: 11 Nov 2019 17:43

Tgt Ion: 65 Resp: 270001

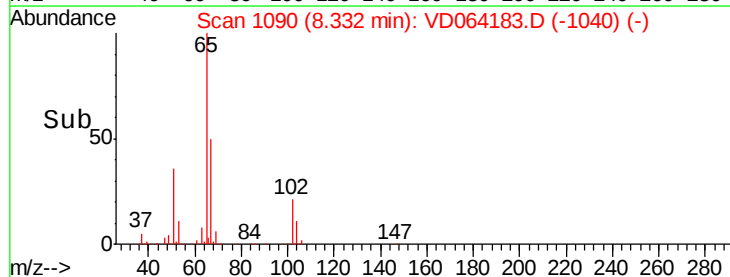
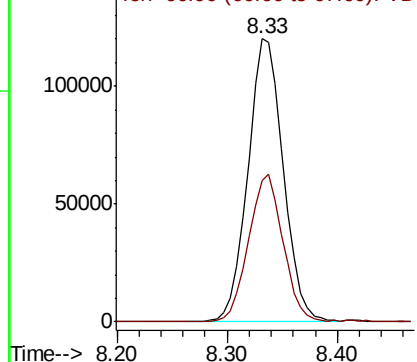
Ion Ratio Lower Upper

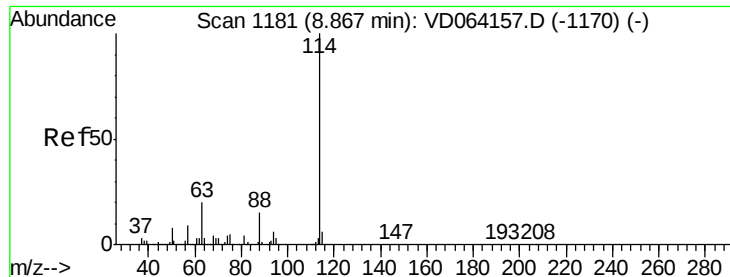
65 100

67 51.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

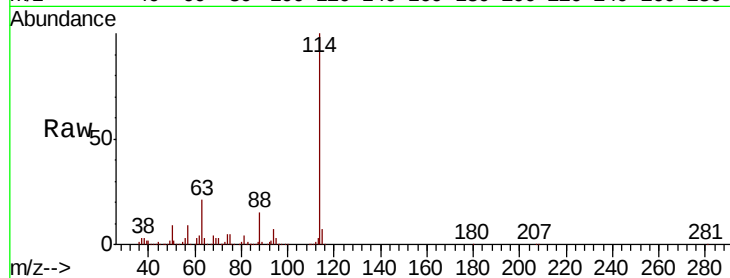




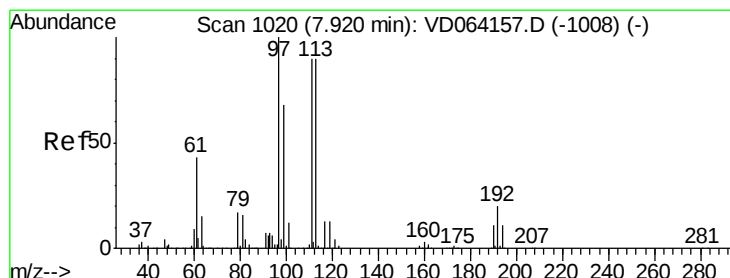
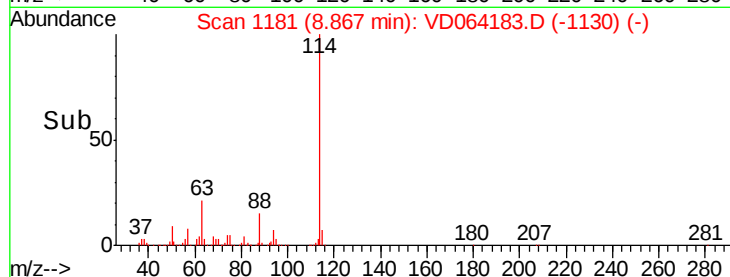
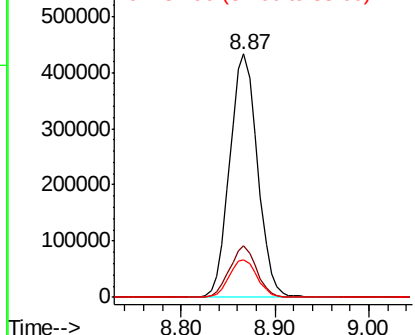
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.0
88	15.4	0.0	30.2

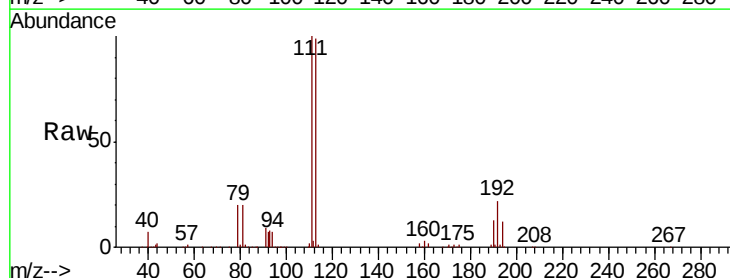


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

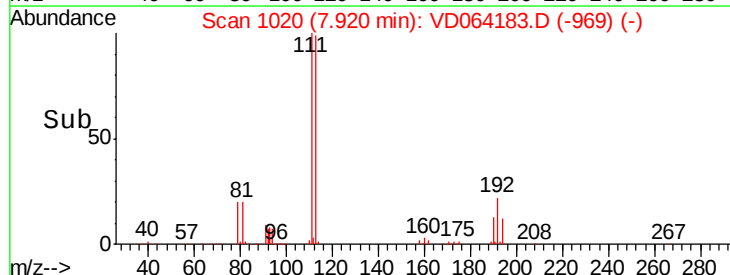
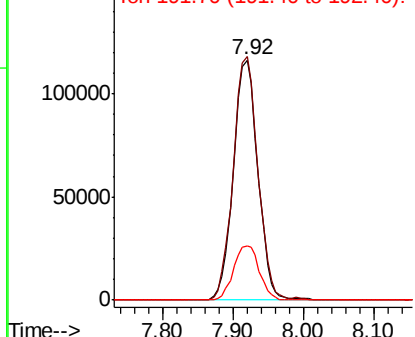


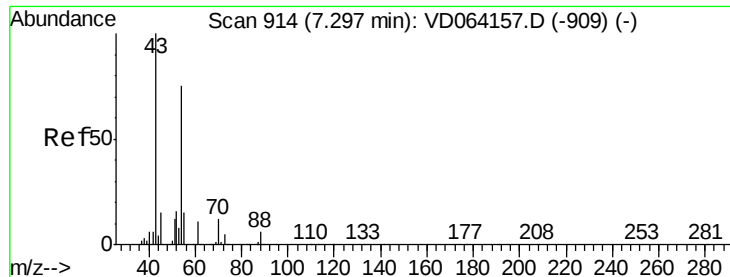
#35
Dibromofluoromethane
Concen: 55.102 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.5	122.3
192	23.6	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

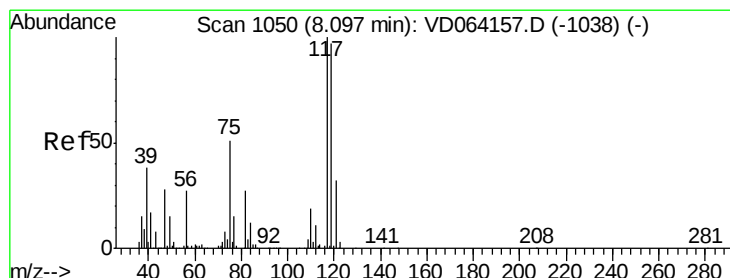
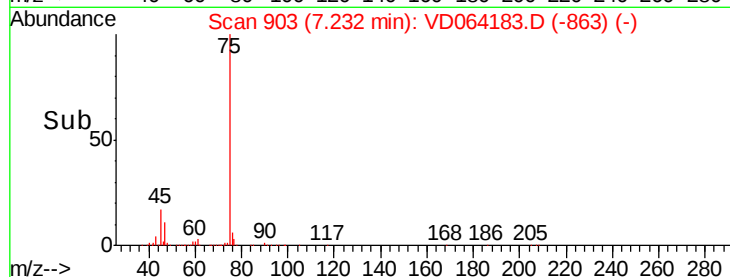
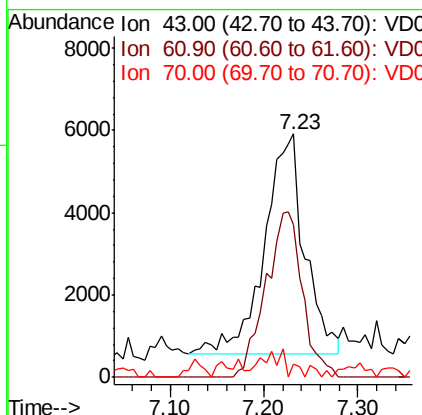
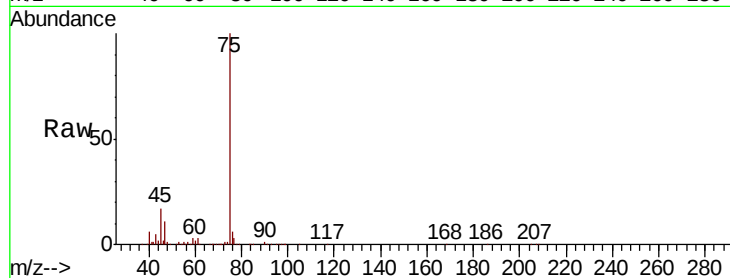




#37
Ethyl Acetate
Concen: 4.551 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.06 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

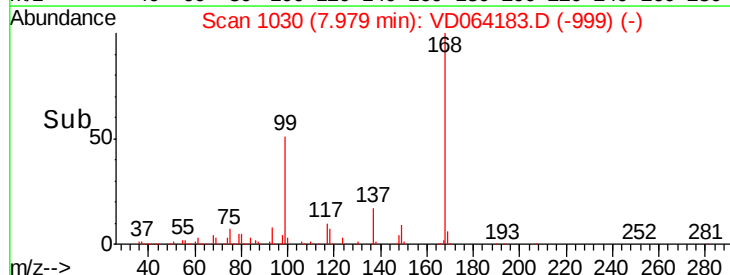
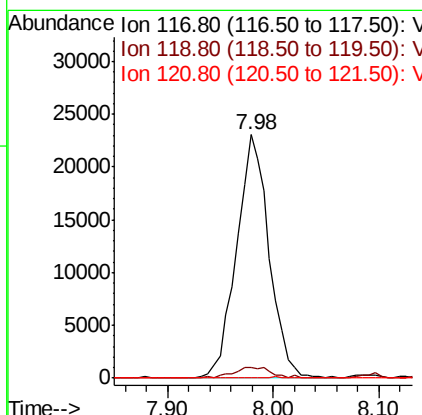
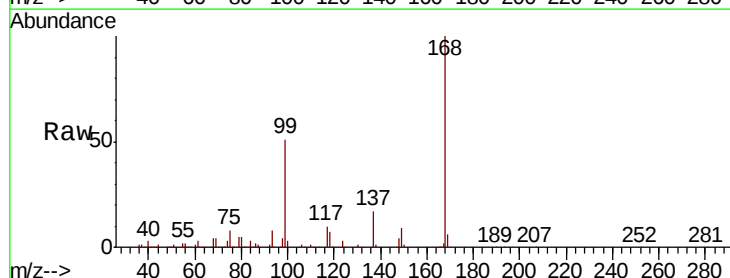
Instrument :
MSVOA_D
ClientSampleId :

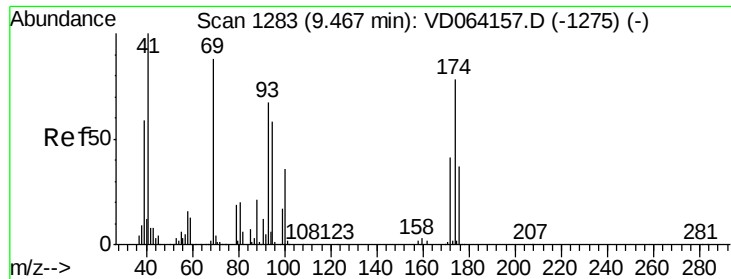
Tot Ion: 43 Resp: 15780
Ion Ratio Lower Upper
43 100
61 68.3 10.2 15.2#
70 7.4 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Tgt Ion: 117 Resp: 49188
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 25.5 38.3#

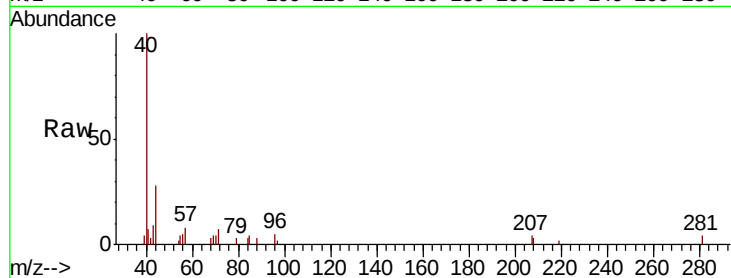




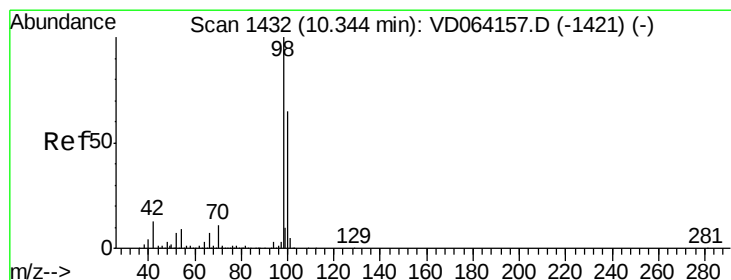
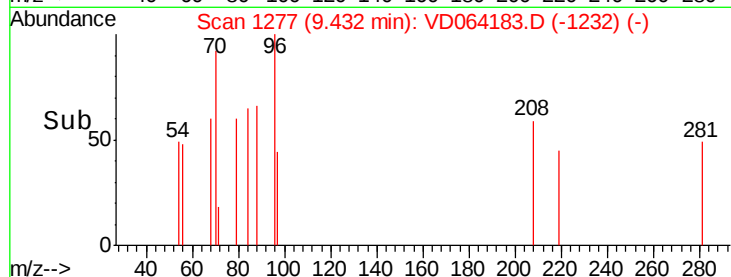
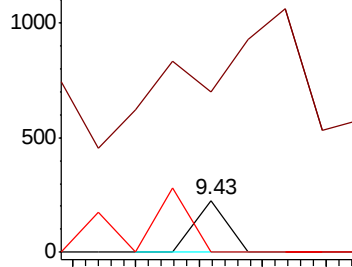
#49
1,4-Dioxane
Concen: 2.274 ug/l
RT: 9.43 min Scan# 1277
Delta R.T. -0.04 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 918.8 29.8 44.8#
58 200.0 58.1 87.1#

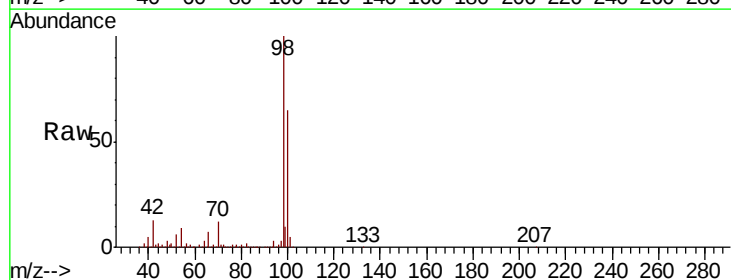


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

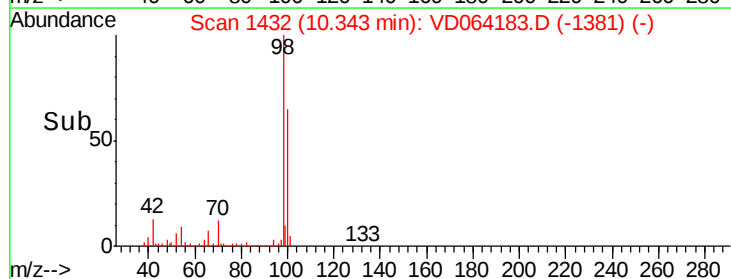
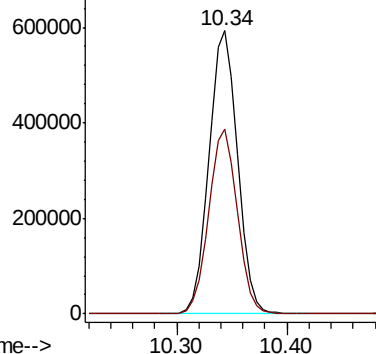


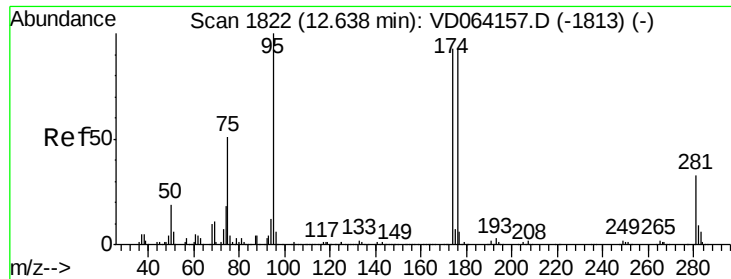
#50
Toluene-d8
Concen: 56.104 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Tgt Ion: 98 Resp: 1082708
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



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

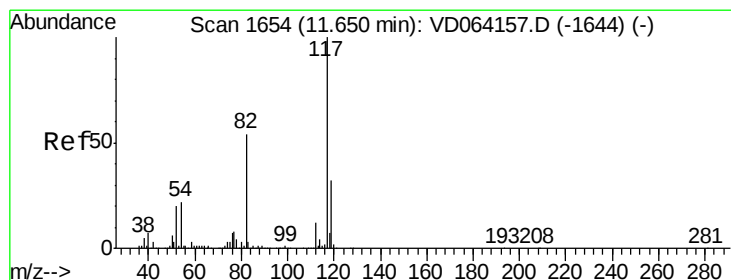
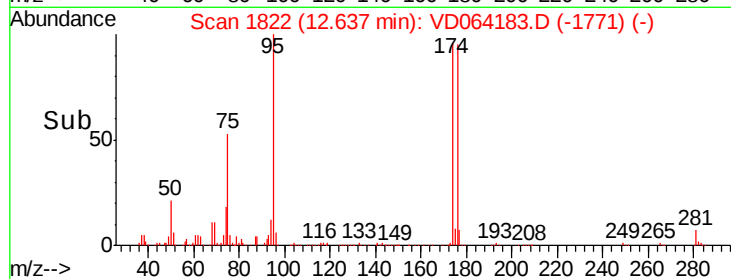
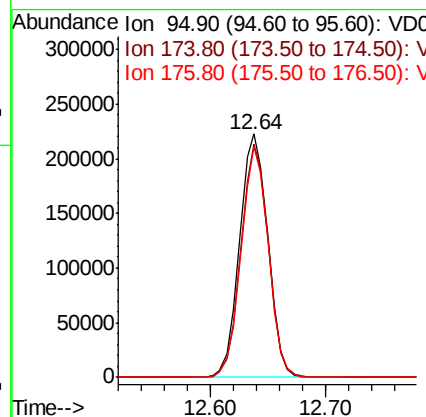
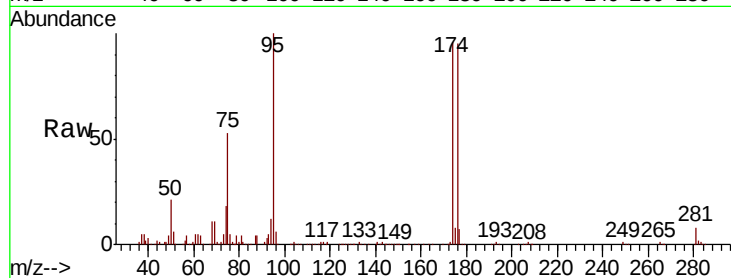




#62
4-Bromofluorobenzene
Concen: 56.226 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

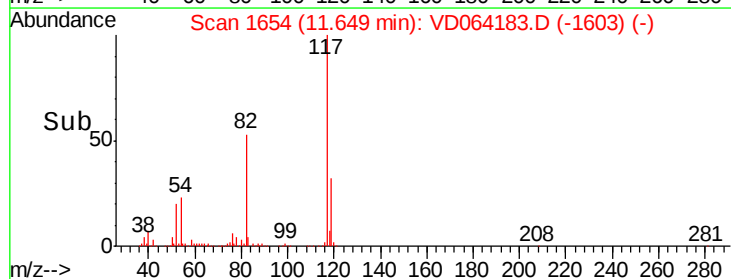
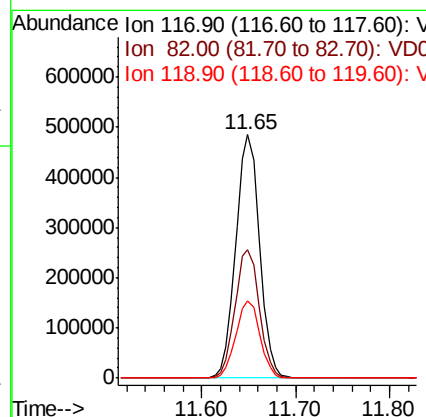
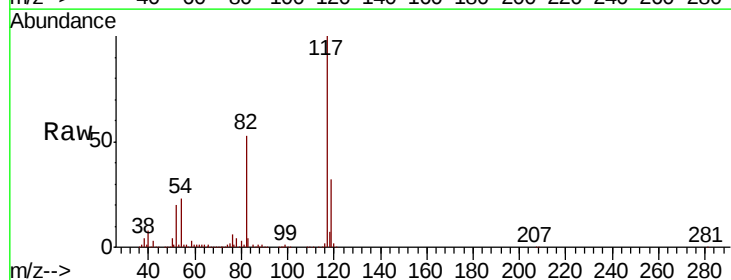
Instrument :
MSVOA_D
ClientSampleId :

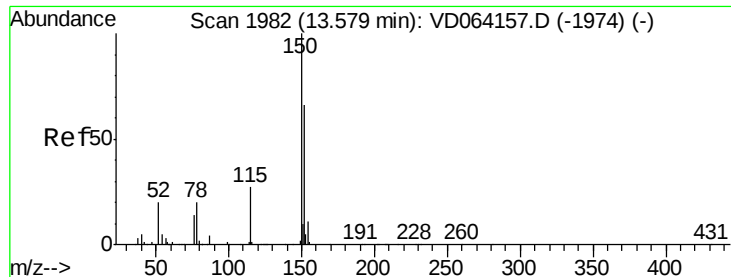
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	183.6
176	91.3	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064183.D
Acq: 11 Nov 2019 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.8	64.2
119	31.8	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: VD064183.D

Acq: 11 Nov 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

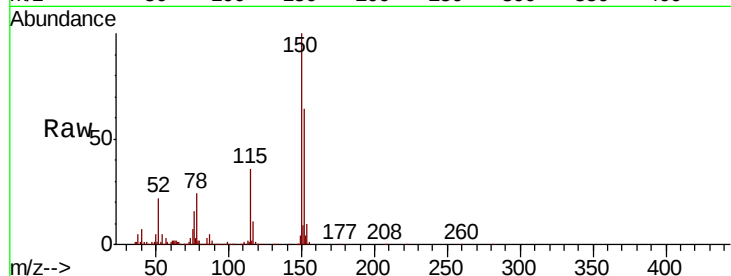
Tot Ion:152 Resp: 365554

Ion Ratio Lower Upper

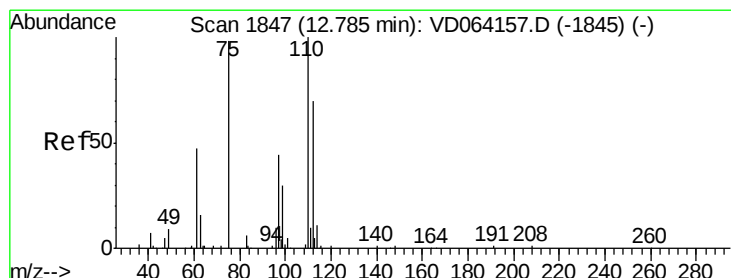
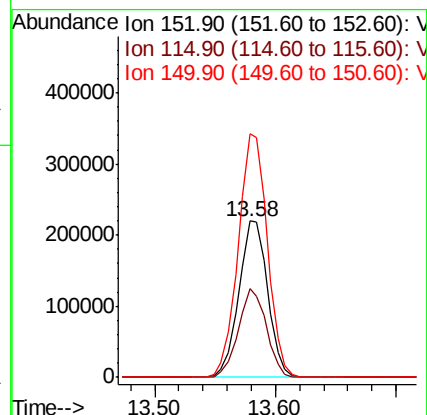
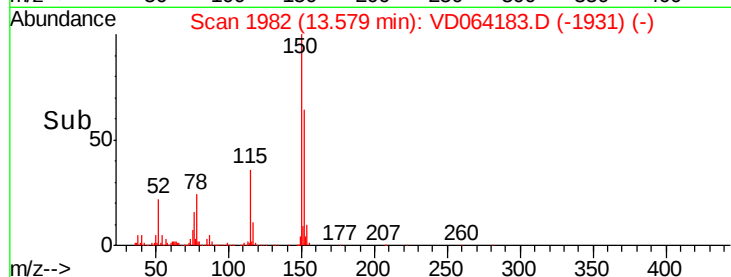
152 100

115 55.3 27.4 82.2

150 157.5 0.0 351.6



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: 66.179 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064183.D

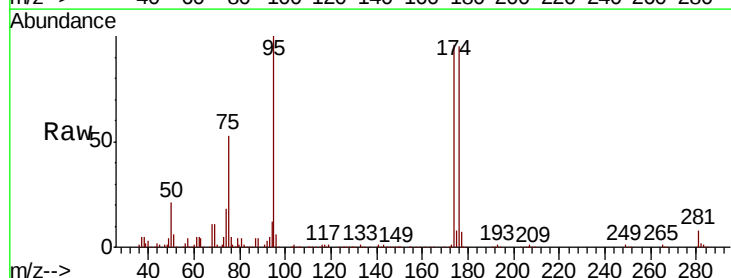
Acq: 11 Nov 2019 17:43

Tgt Ion: 75 Resp: 194859

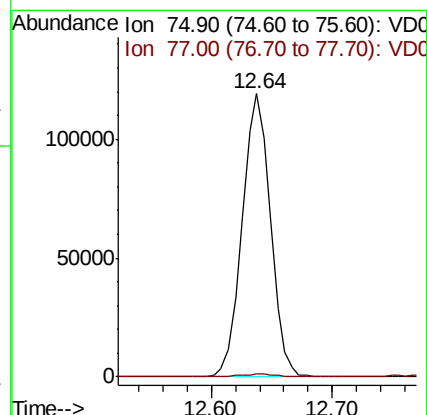
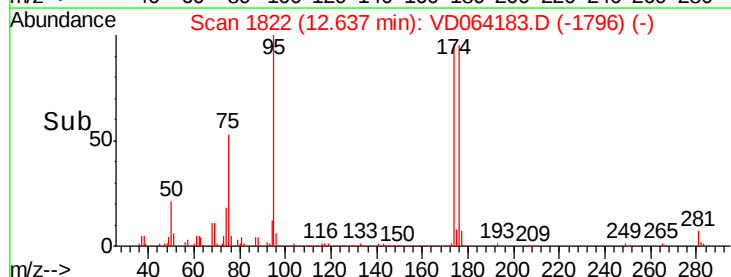
Ion Ratio Lower Upper

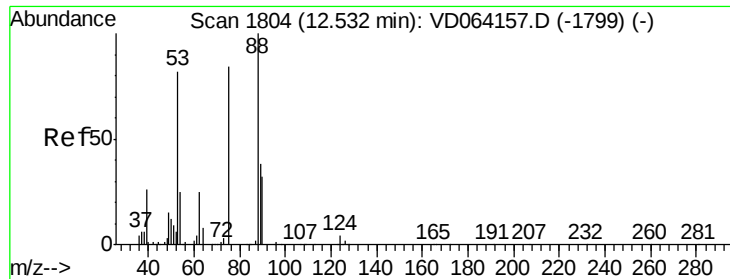
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 131.457 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064183.D

Acq: 11 Nov 2019 17:43

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 194859

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.1 36.6 55.0#

