

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064513.D
 Acq On : 13 Dec 2019 18:17
 Operator : VA/SY
 Sample : K6294-01
 Misc : 4.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

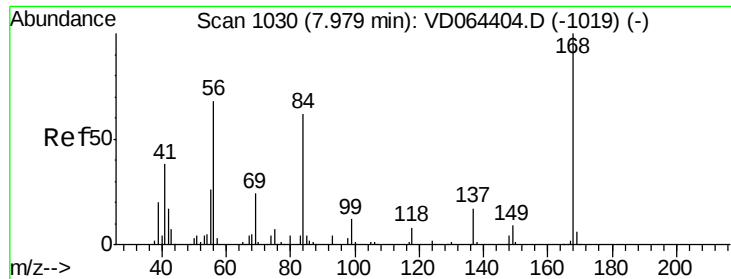
Quant Time: Dec 13 22:54:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	143512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	222409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	233718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120416	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	89930	69.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	138.46%	
35) Dibromofluoromethane	7.91	113	79519	56.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.50%	
50) Toluene-d8	10.34	98	270291	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.64	95	104430	61.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	30658	116.792	ug/l #	88
20) Methylene Chloride	4.96	84	4248	Below Cal		90
25) 2-Butanone	7.23	43	55494	149.487	ug/l	99
29) Tetrahydrofuran	7.57	42	15413	65.258	ug/l	93
30) Chloroform	7.71	83	4563	1.838	ug/l	93
31) Cyclohexane	7.98	56	3031	Below Cal	#	38
36) 1,1-Dichloropropene	7.97	75	10517	4.999	ug/l #	40
37) Ethyl Acetate	7.23	43	55494	62.169	ug/l #	69
38) Carbon Tetrachloride	7.98	117	13193	5.942	ug/l #	14
41) Methacrylonitrile	7.58	41	9645	18.841	ug/l #	52
71) Bromoform	12.64	173	1082	1.002	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	53336	53.861	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	53336	117.444	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.48	75	65	Below Cal	#	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064513.D

Acq: 13 Dec 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

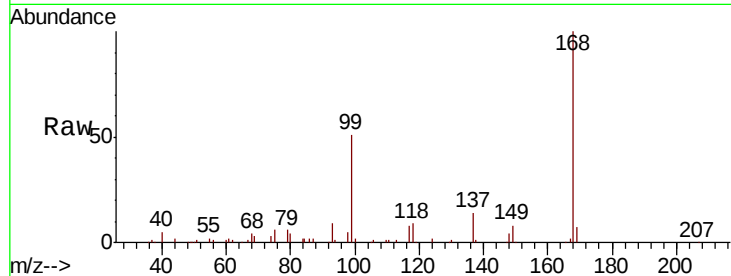
TP-1

Tgt Ion:168 Resp: 143512

Ion Ratio Lower Upper

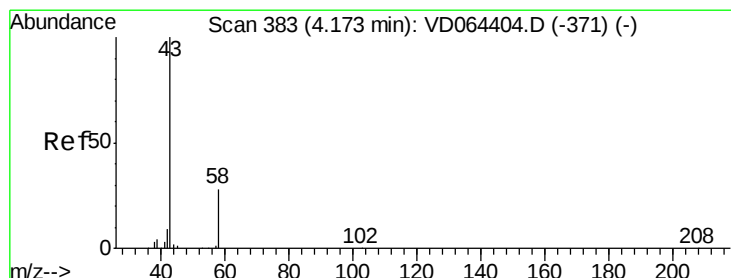
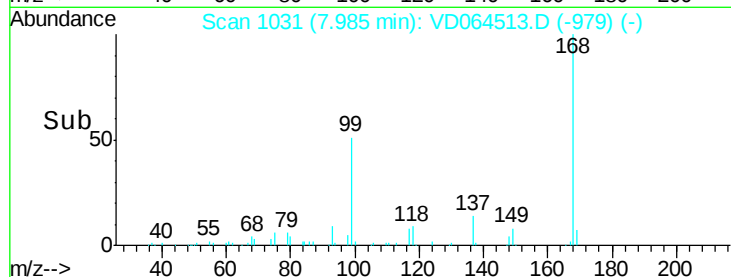
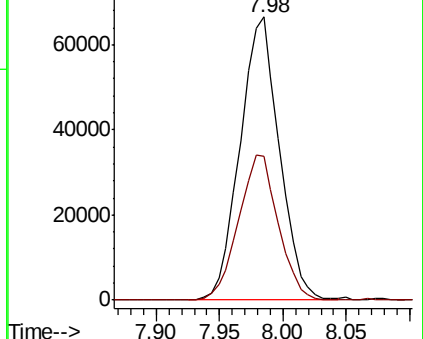
168 100

99 50.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 116.792 ug/l

RT: 4.17 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD064513.D

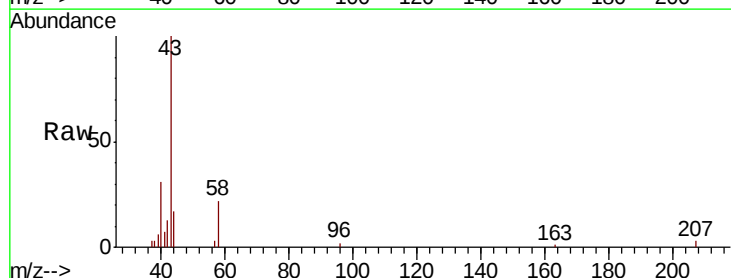
Acq: 13 Dec 2019 18:17

Tgt Ion: 43 Resp: 30658

Ion Ratio Lower Upper

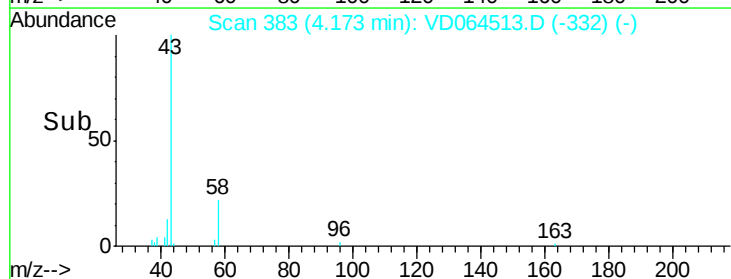
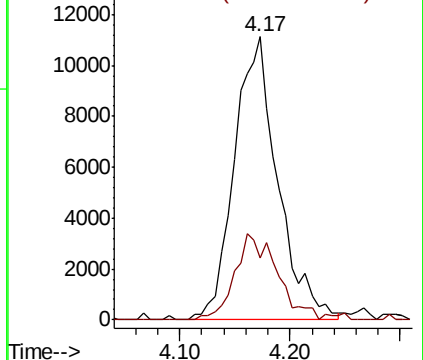
43 100

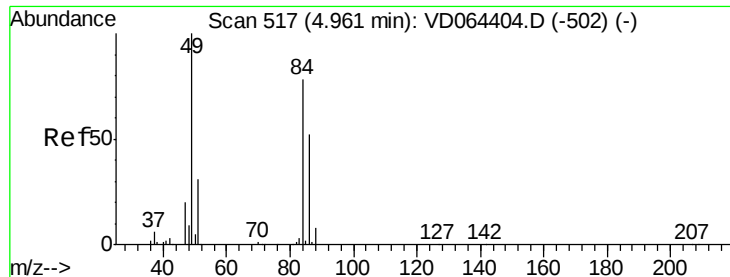
58 21.7 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

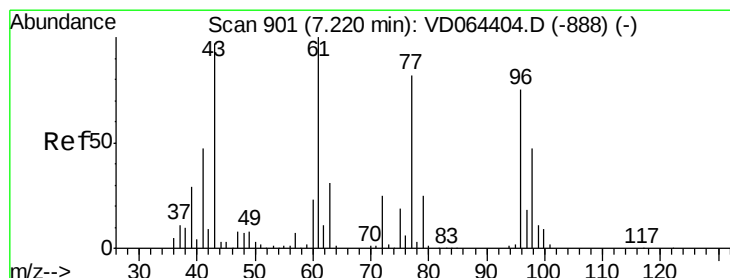
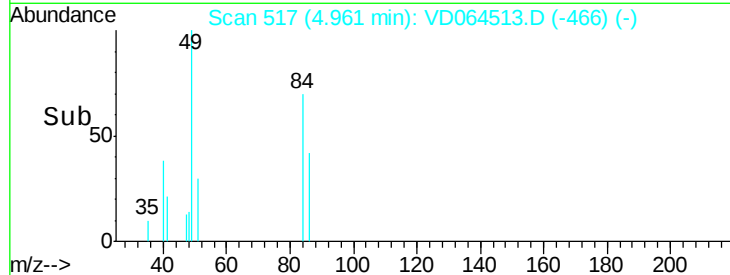
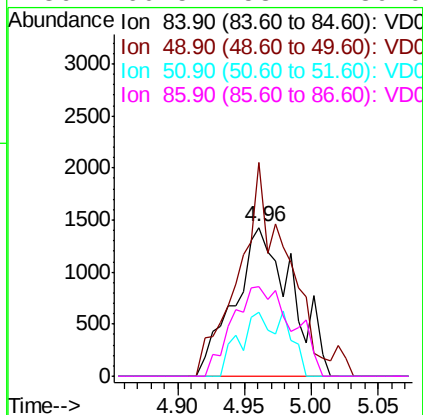
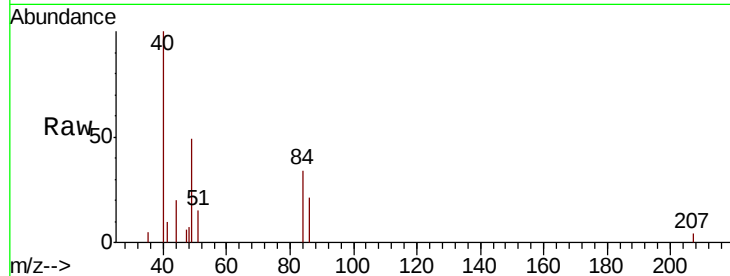




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

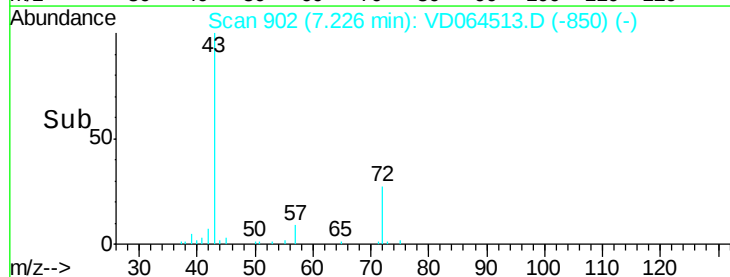
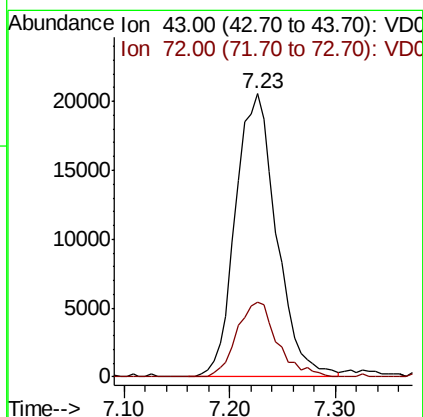
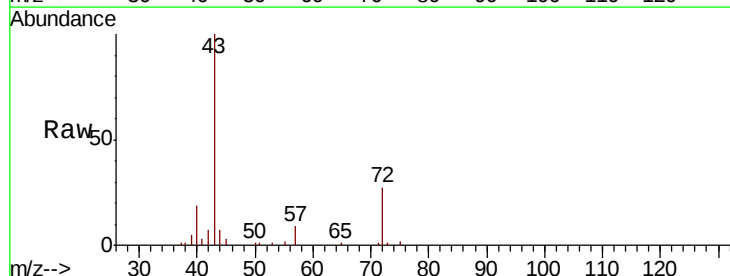
Instrument :
MSVOA_D
ClientSampleId :
TP-1

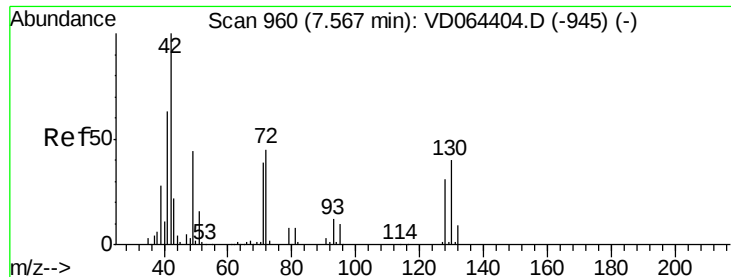
Tgt Ion: 84 Resp: 4248
Ion Ratio Lower Upper
84 100
49 143.8 102.6 153.8
51 43.0 32.0 48.0
86 60.5 53.4 80.0



#25
2-Butanone
Concen: 149.487 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Tgt Ion: 43 Resp: 55494
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.4

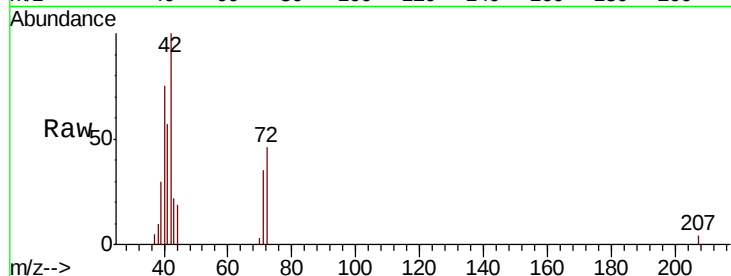




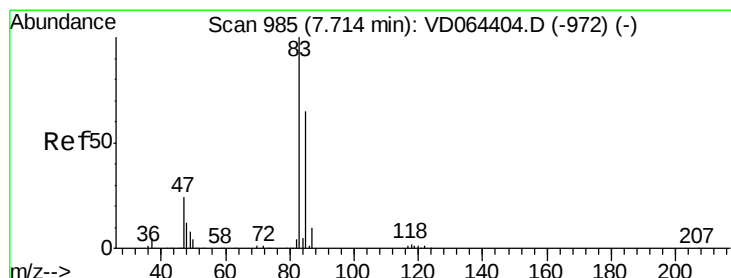
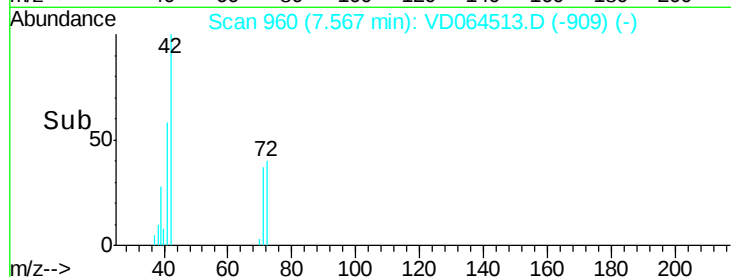
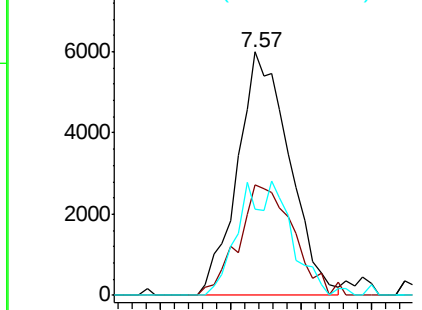
#29
Tetrahydrofuran
Concen: 65.258 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion: 42 Resp: 15413
Ion Ratio Lower Upper
42 100
72 48.0 35.8 53.8
71 46.4 32.7 49.1

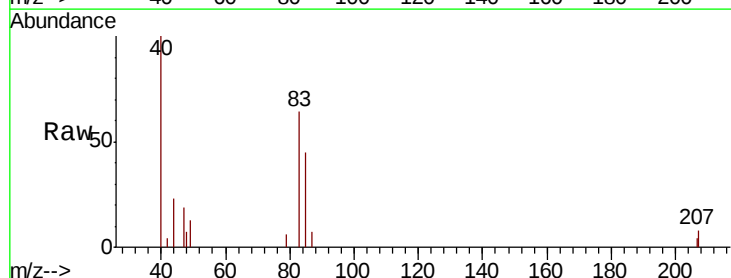


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

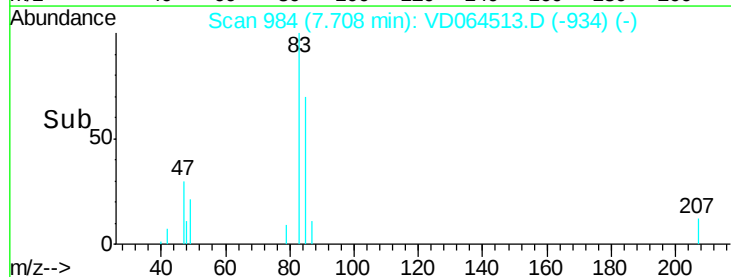
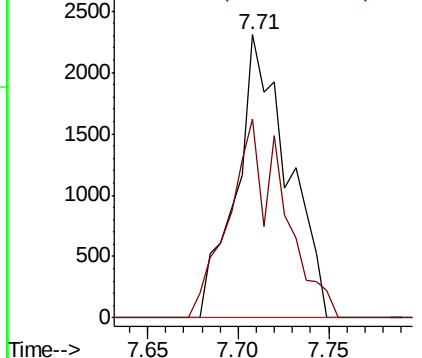


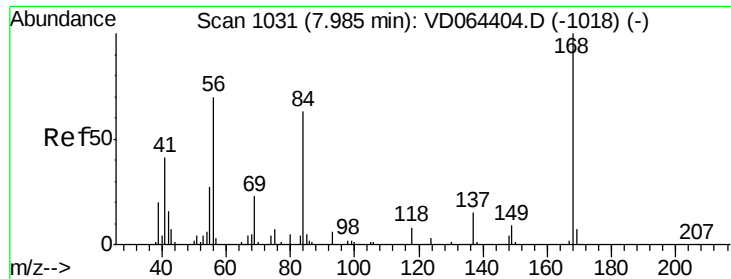
#30
Chloroform
Concen: 1.838 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Tgt Ion: 83 Resp: 4563
Ion Ratio Lower Upper
83 100
85 70.4 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

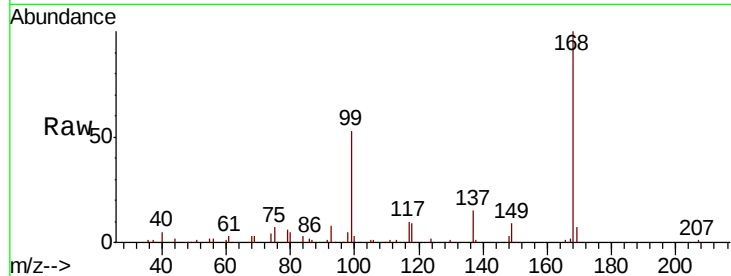




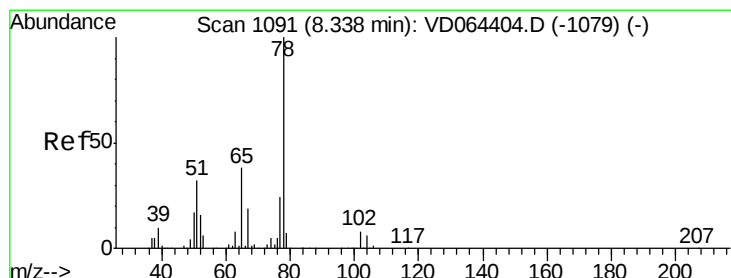
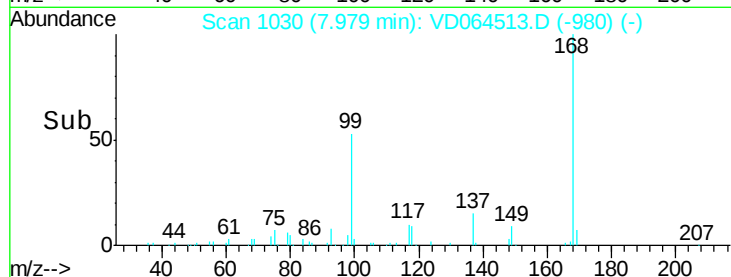
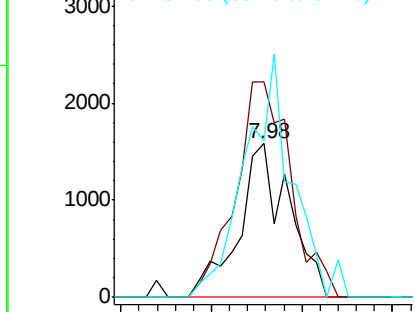
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion: 56 Resp: 3031
Ion Ratio Lower Upper
56 100
69 140.1 26.2 39.4#
84 101.5 70.3 105.5

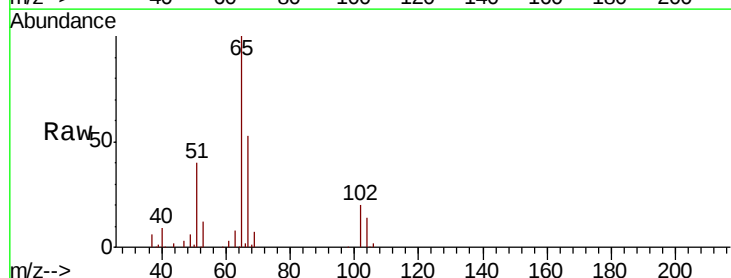


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

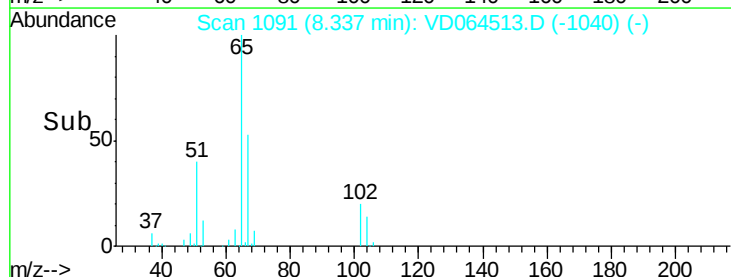
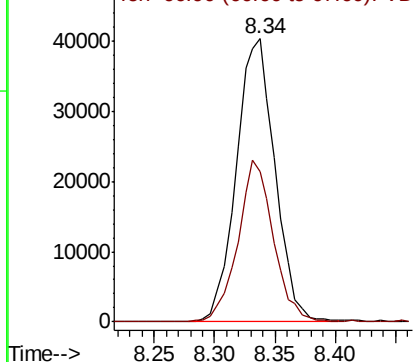


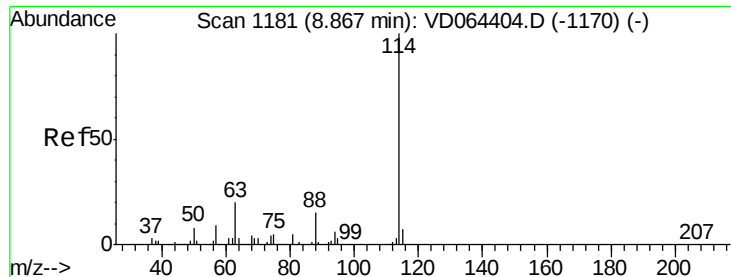
#33
1,2-Dichloroethane-d4
Concen: 69.231 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Tgt Ion: 65 Resp: 89930
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0



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

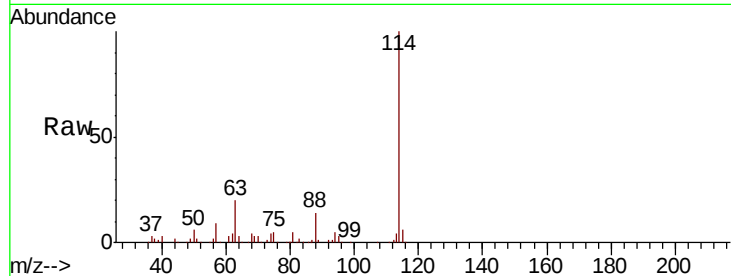




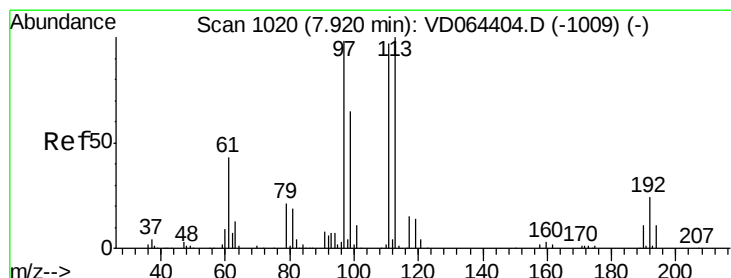
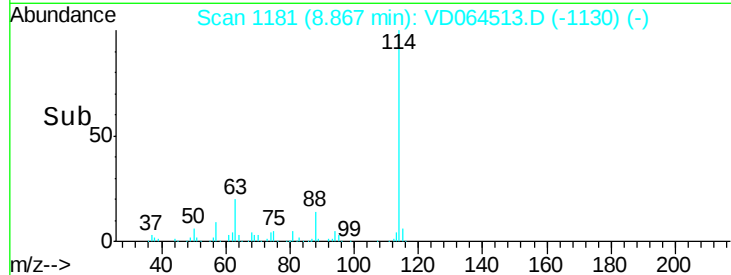
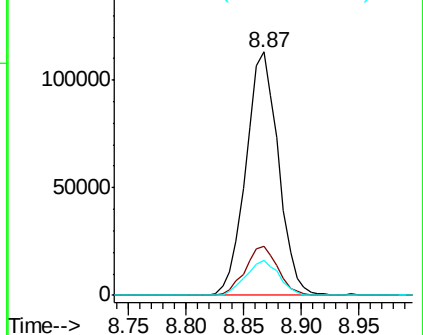
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064513.D
 Acq: 13 Dec 2019 18:17

Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	14.5	0.0	29.2

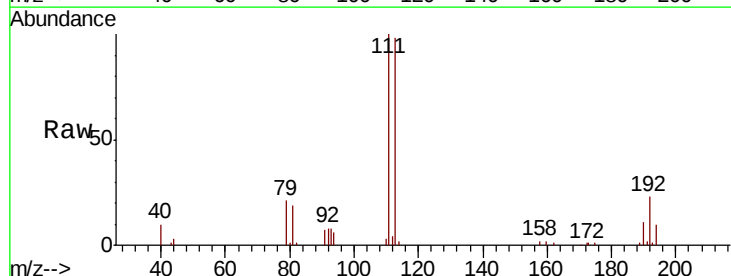


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

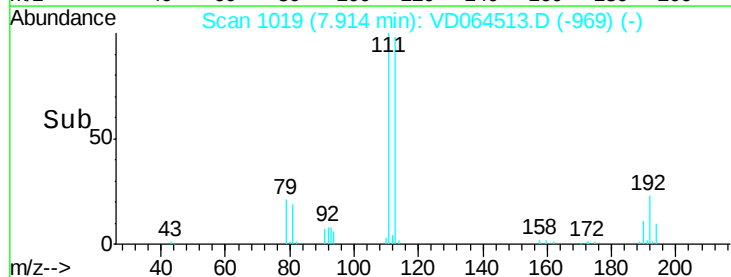
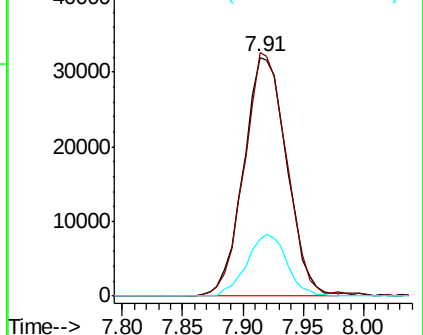


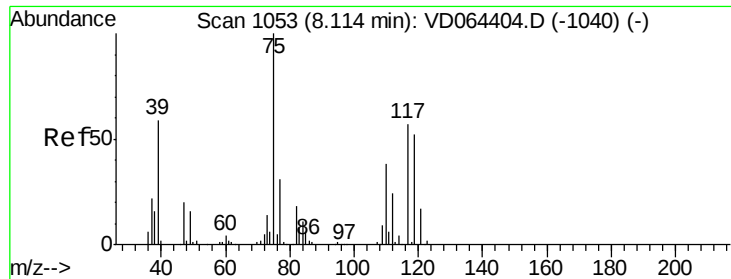
#35
 Dibromofluoromethane
 Concen: 56.747 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064513.D
 Acq: 13 Dec 2019 18:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.1	79.4	119.2
192	23.8	18.6	28.0



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

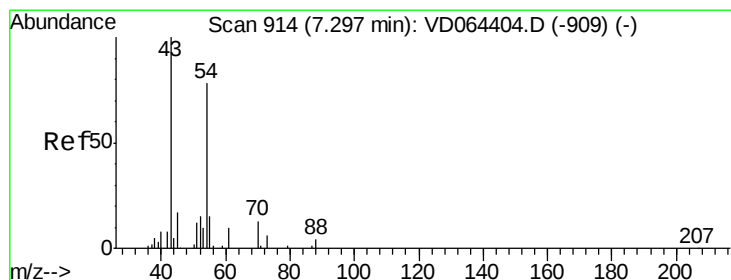
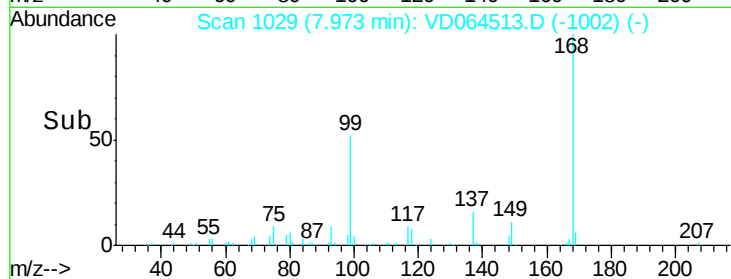
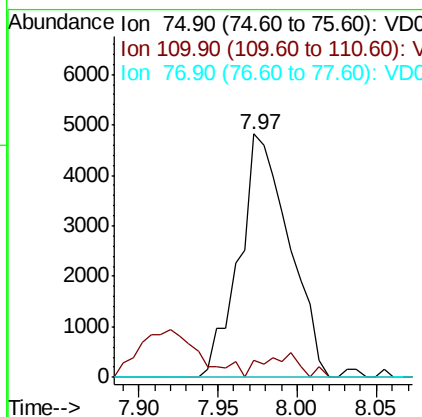
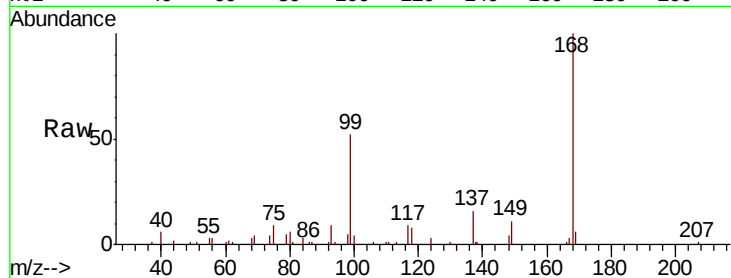




#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD064513.D
 Acq: 13 Dec 2019 18:17

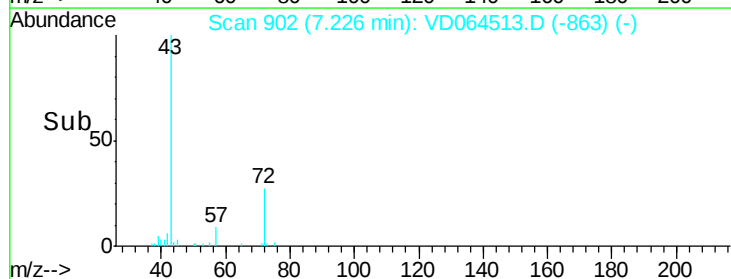
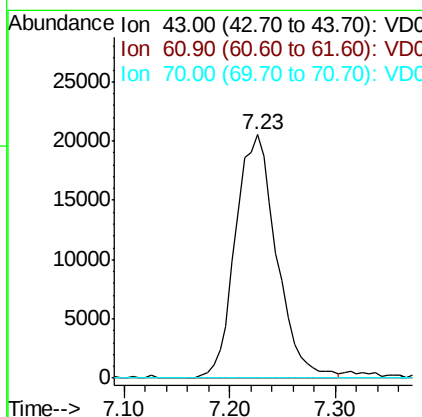
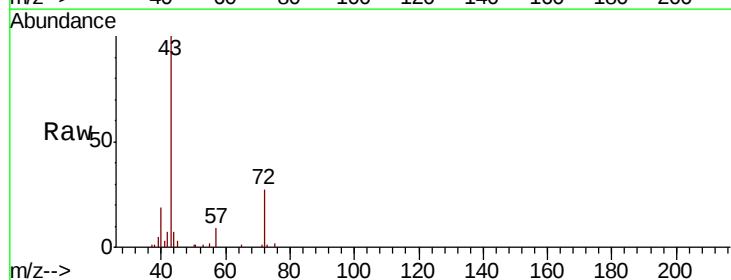
Instrument :
 MSVOA_D
 ClientSampleID :
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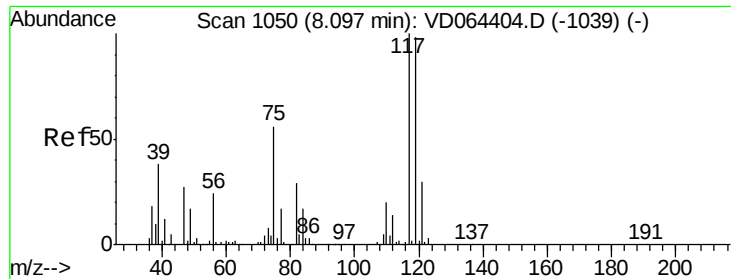
Tgt Ion: 75 Resp: 10517
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.6 55.8#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 62.169 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.07 min
 Lab File: VD064513.D
 Acq: 13 Dec 2019 18:17

Tgt Ion: 43 Resp: 55494
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.942 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064513.D

Acq: 13 Dec 2019 18:17

Instrument :

MSVOA_D

ClientSampled :

TP-1

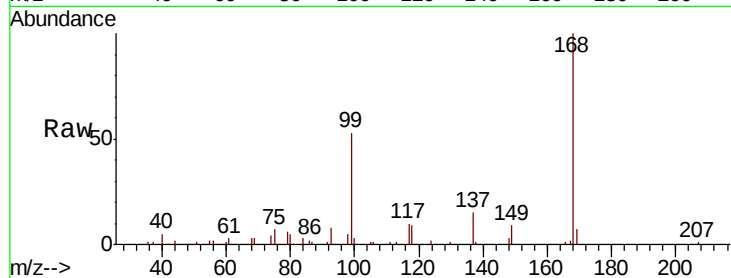
Tgt Ion:117 Resp: 13193

Ion Ratio Lower Upper

117 100

119 3.5 78.8 118.2#

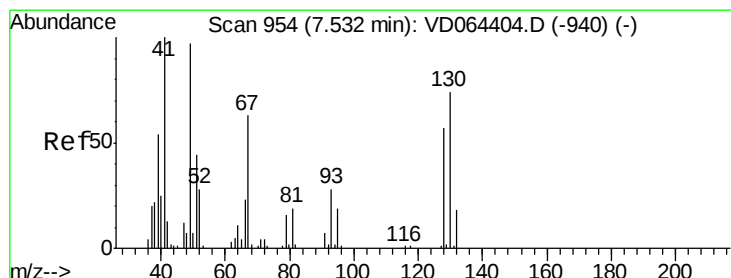
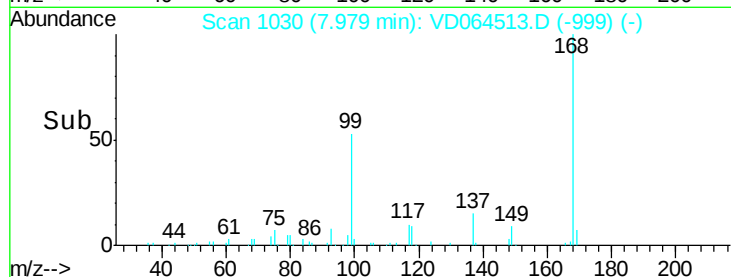
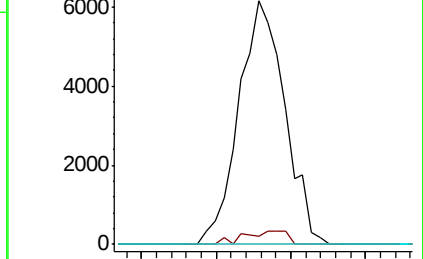
121 0.0 24.2 36.2#



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



#41

Methacrylonitrile

Concen: 18.841 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.05 min

Lab File: VD064513.D

Acq: 13 Dec 2019 18:17

Tgt Ion: 41 Resp: 9645

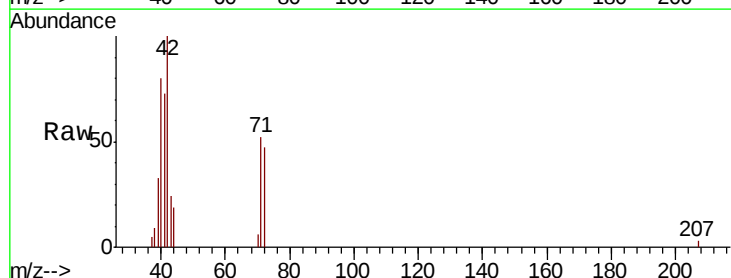
Ion Ratio Lower Upper

41 100

39 50.0 44.6 67.0

67 0.0 50.9 76.3#

52 0.0 22.5 33.7#

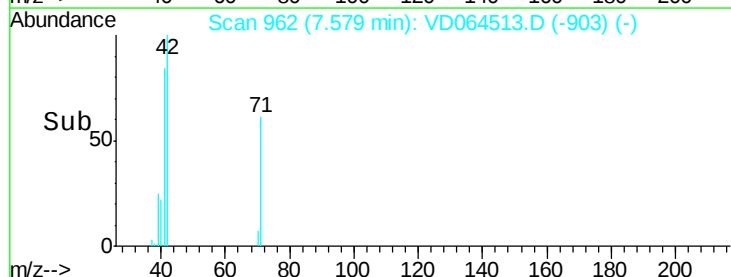
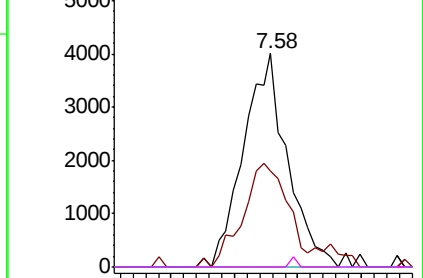


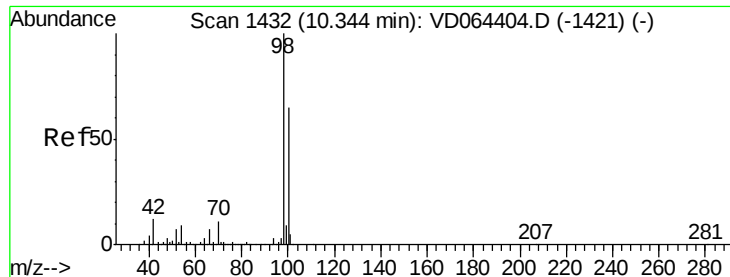
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 51.206 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064513.D

Acq: 13 Dec 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

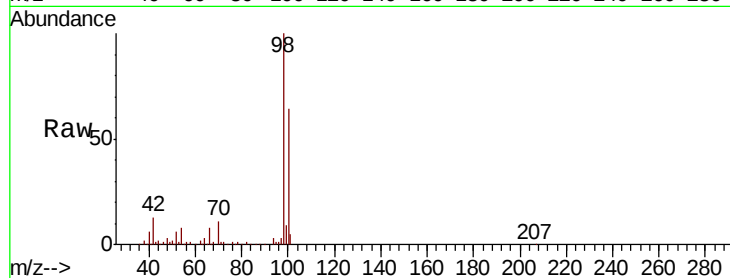
TP-1

Tgt Ion: 98 Resp: 270291

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VD064404.D (-1421) (-)

Ion 100.00 (99.70 to 100.70): VD064404.D (-1421) (-)

10.34

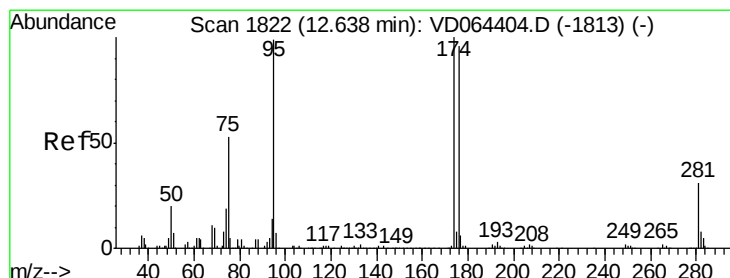
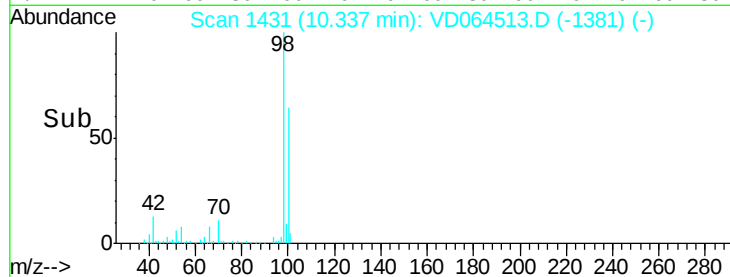
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 61.561 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064513.D

Acq: 13 Dec 2019 18:17

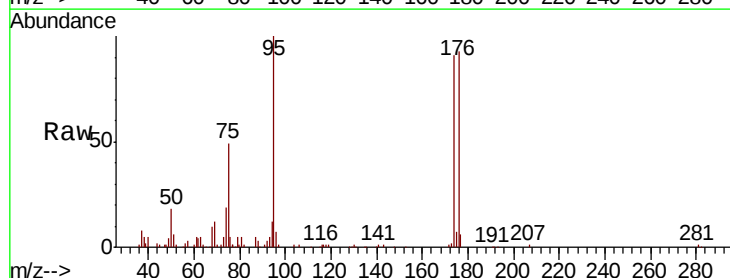
Tgt Ion: 95 Resp: 104430

Ion Ratio Lower Upper

95 100

174 95.4 0.0 197.2

176 92.9 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VD064404.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD064404.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD064404.D (-1813) (-)

12.64

80000

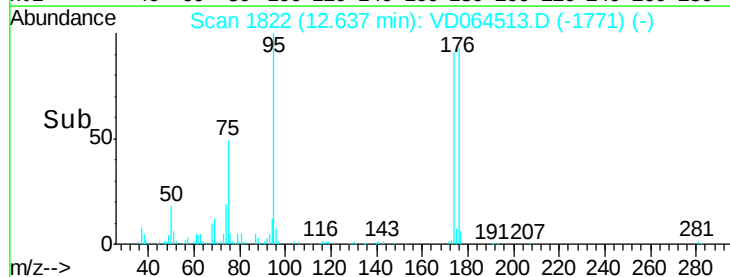
60000

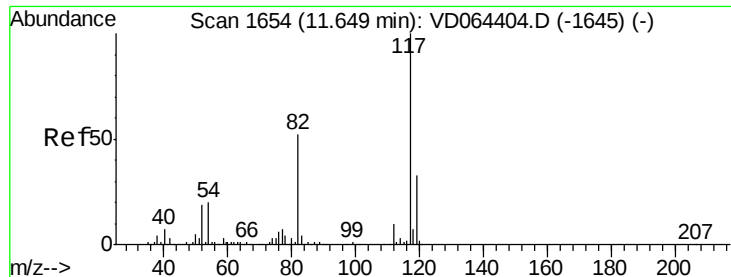
40000

20000

0

Time-->

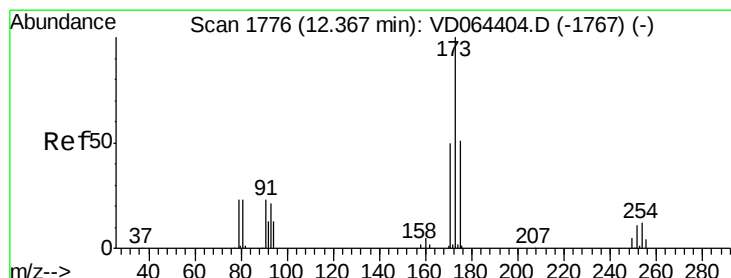
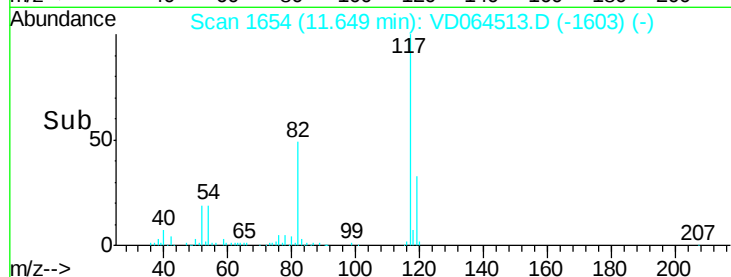
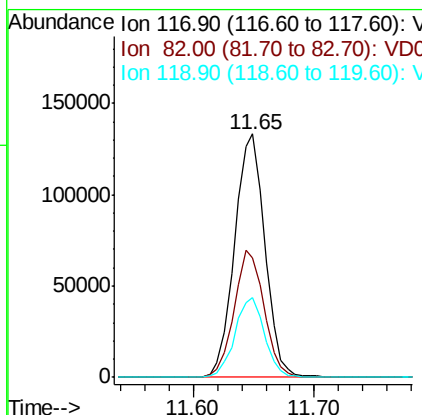
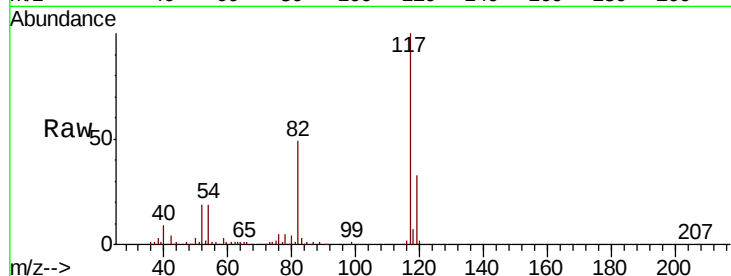




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

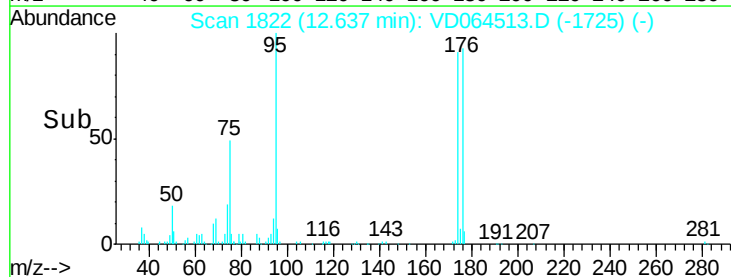
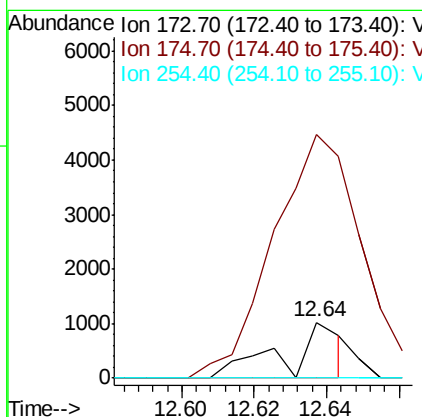
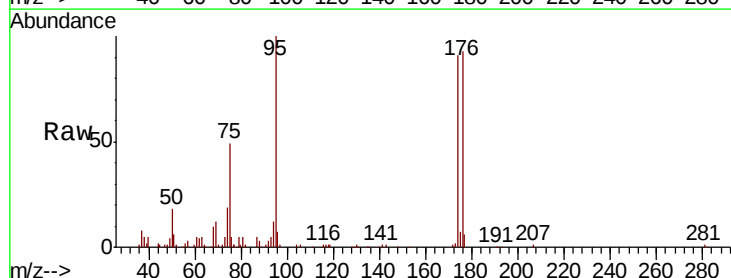
Instrument :
MSVOA_D
ClientSampleId :
TP-1

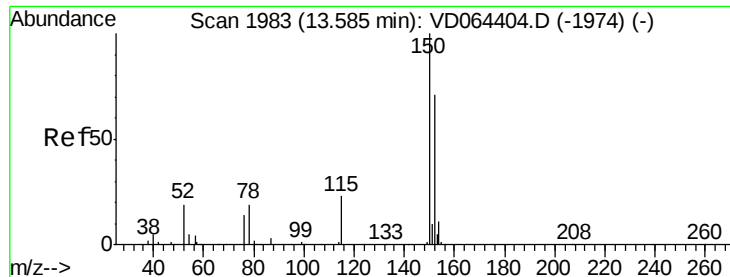
Tgt Ion:117 Resp: 233718
Ion Ratio Lower Upper
117 100
82 49.2 41.4 62.2
119 32.8 26.2 39.2



#71
Bromoform
Concen: 1.002 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Tgt Ion:173 Resp: 1082
Ion Ratio Lower Upper
173 100
175 548.7 25.3 75.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064513.D

Acq: 13 Dec 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

TP-1

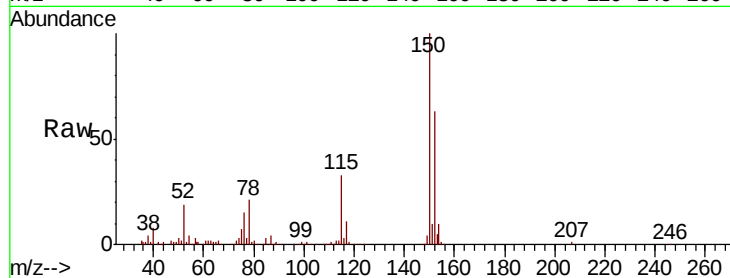
Tgt Ion:152 Resp: 120416

Ion Ratio Lower Upper

152 100

115 53.7 26.7 80.1

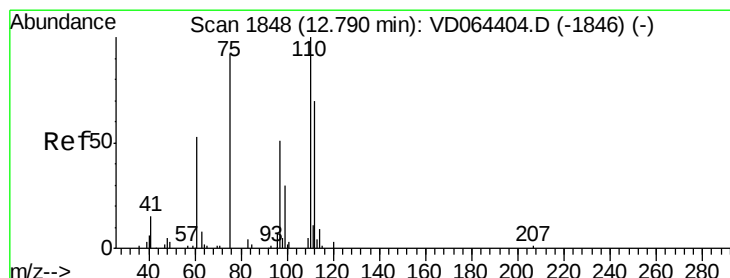
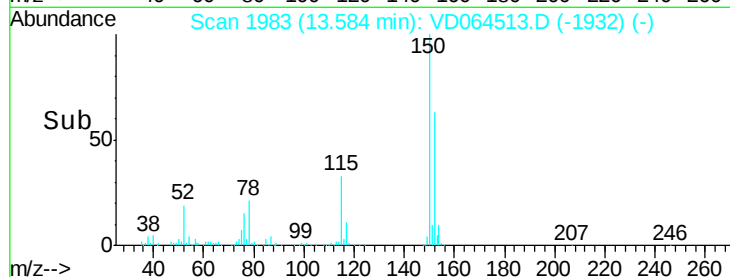
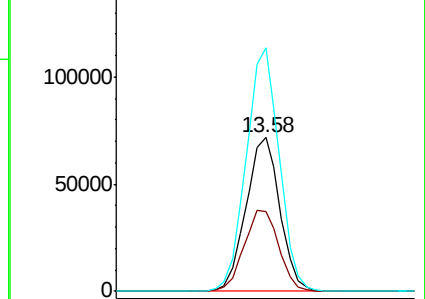
150 154.3 0.0 347.2



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: 53.861 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064513.D

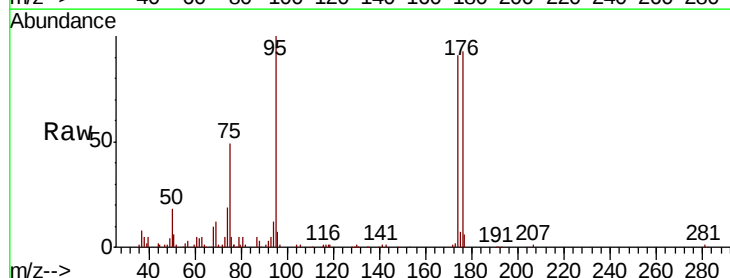
Acq: 13 Dec 2019 18:17

Tgt Ion: 75 Resp: 53336

Ion Ratio Lower Upper

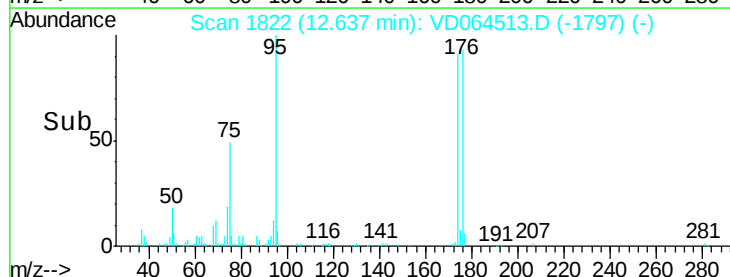
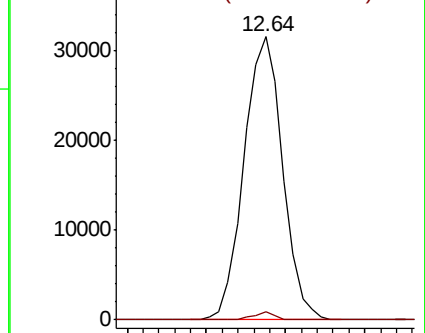
75 100

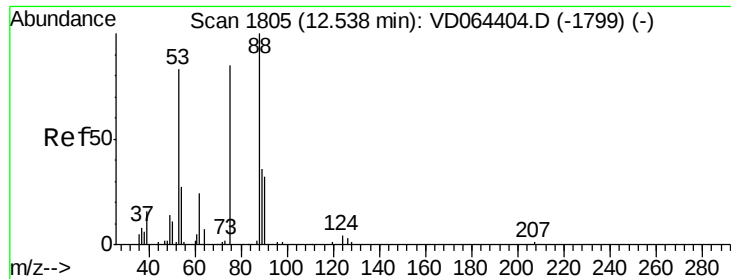
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

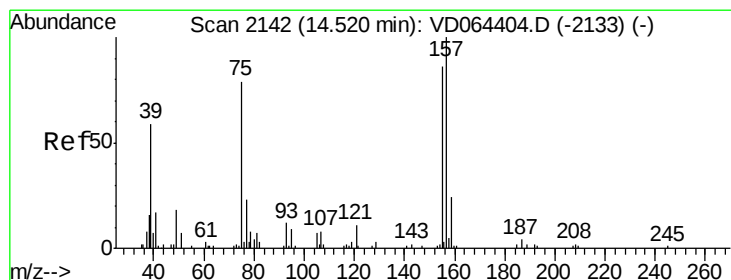
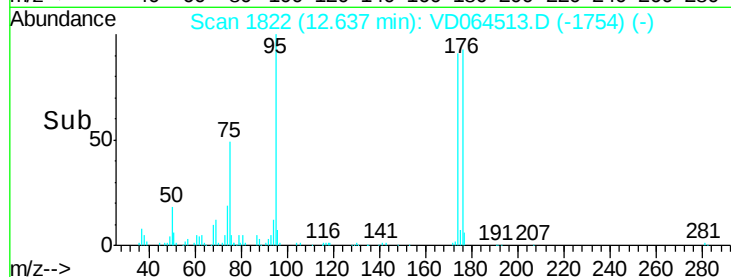
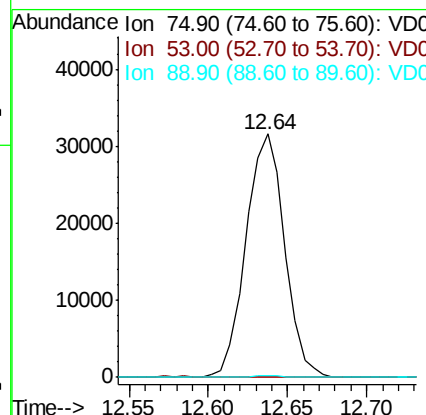
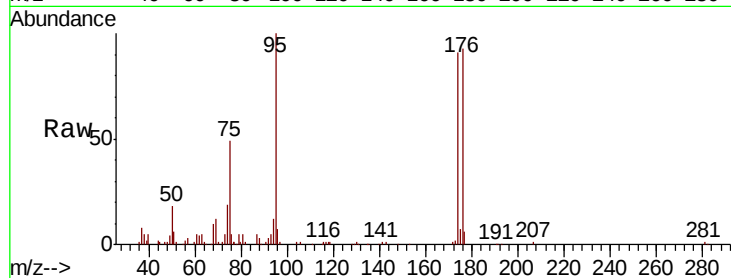




#81
trans-1,4-Dichloro-2-butene
Concen: 117.444 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion: 75 Resp: 53336
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.4 38.5 57.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.48 min Scan# 2136
Delta R.T. -0.03 min
Lab File: VD064513.D
Acq: 13 Dec 2019 18:17

Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 51.9 155.7#
157 0.0 63.2 189.8#

