

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064575.D
 Acq On : 23 Dec 2019 18:26
 Operator : VA/SY
 Sample : K6417-01
 Misc : 5.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Dec 24 05:55:53 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	444809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	710711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	717076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	339081	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	196731	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	7.92	113	216294	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	10.34	98	866733	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.64	95	311656	57.49	ug/l	0.00
Spiked Amount			Recovery	=	114.98%	

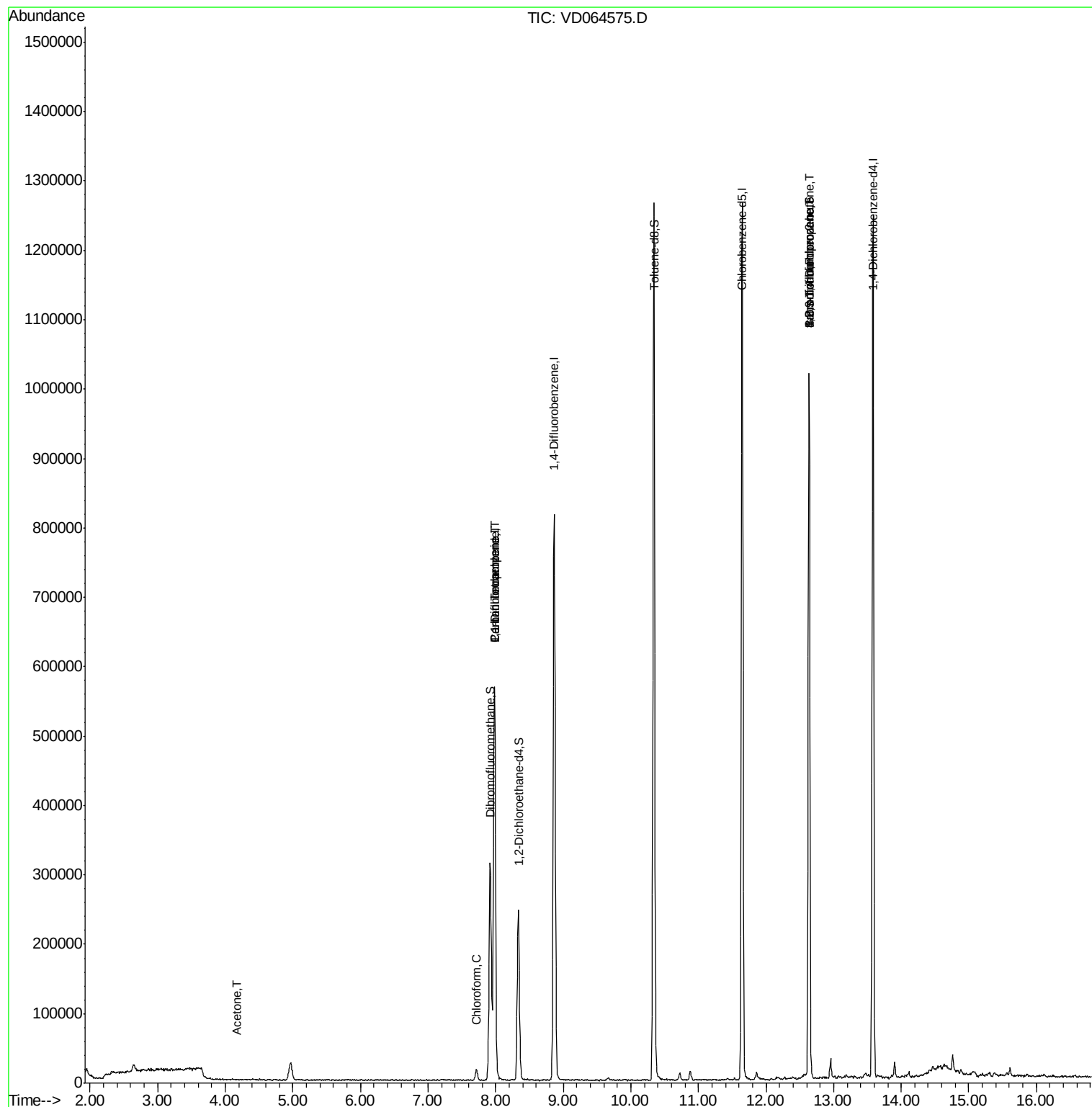
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.18	43	848	1.042	ug/l #	47
30) Chloroform	7.71	83	14187	1.844	ug/l	92
31) Cyclohexane	7.98	56	8883	Below Cal	#	6
36) 1,1-Dichloropropene	7.98	75	31003	4.612	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42386	5.974	ug/l #	14
71) Bromoform	12.63	173	3605	1.088	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	162510	58.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162510	127.078	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.53	75	64	Below Cal	#	1

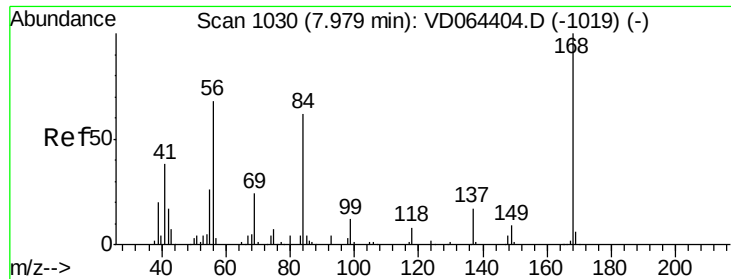
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064575.D

Acq: 23 Dec 2019 18:26

Instrument :

MSVOA_D

ClientSampleId :

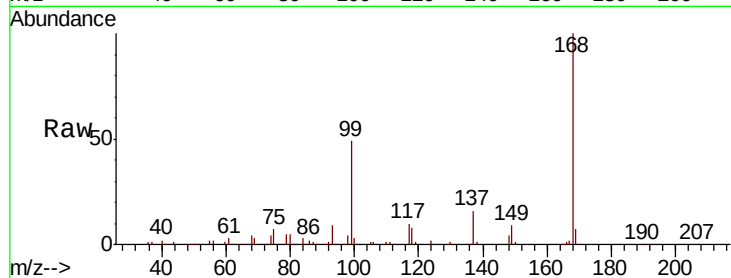
TP-1

Tot Ion:168 Resp: 444809

Ion Ratio Lower Upper

168 100

99 49.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

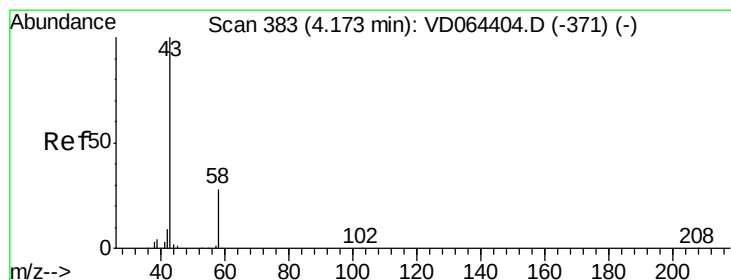
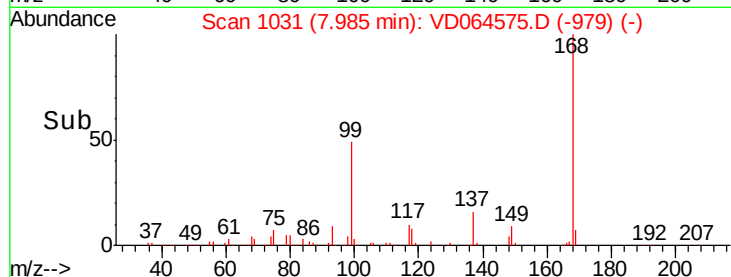
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 1.042 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064575.D

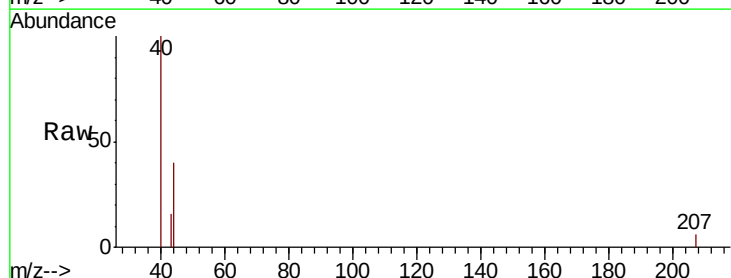
Acq: 23 Dec 2019 18:26

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.18

500

400

300

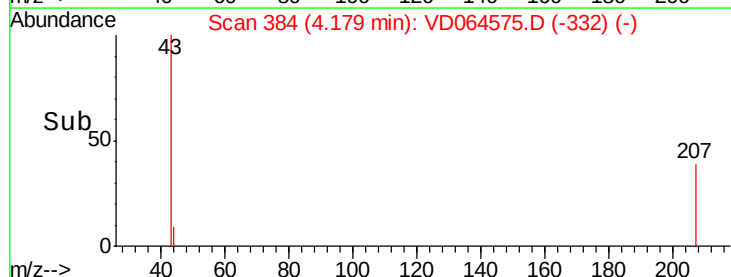
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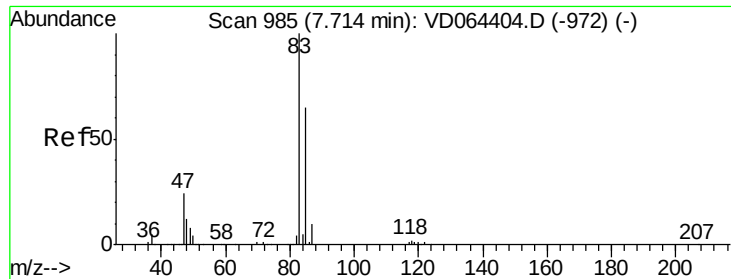
100

0

Time-->

4.14 4.16 4.18 4.20 4.22

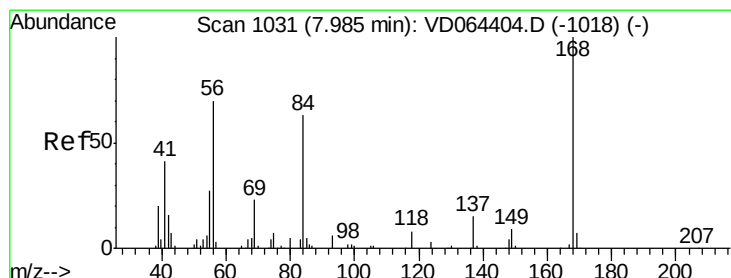
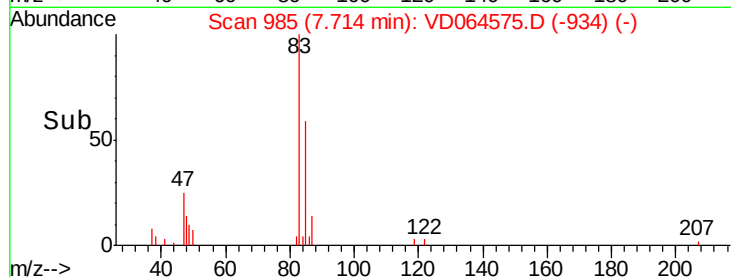
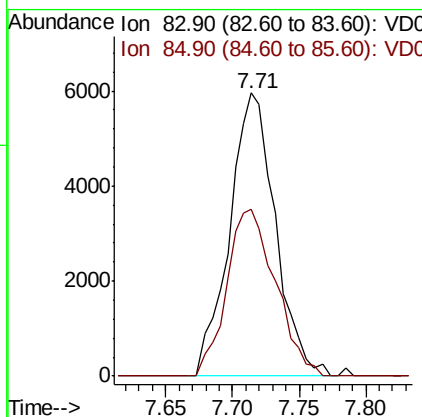
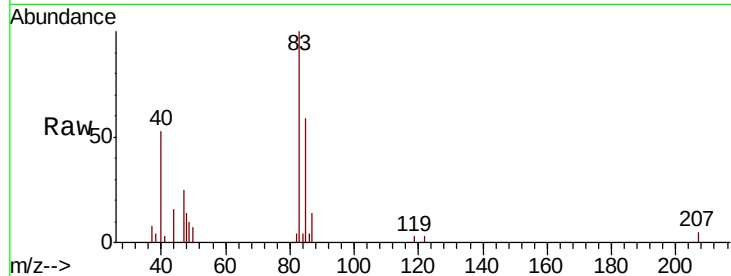




#30
Chloroform
Concen: 1.844 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064575.D
Acq: 23 Dec 2019 18:26

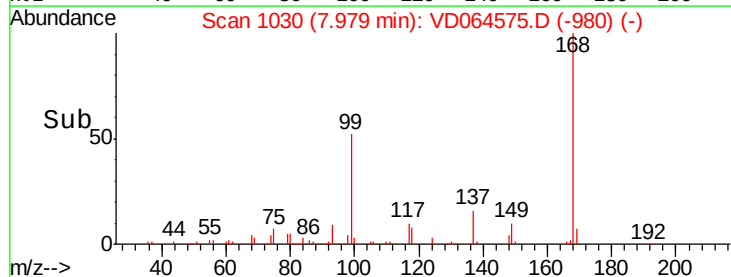
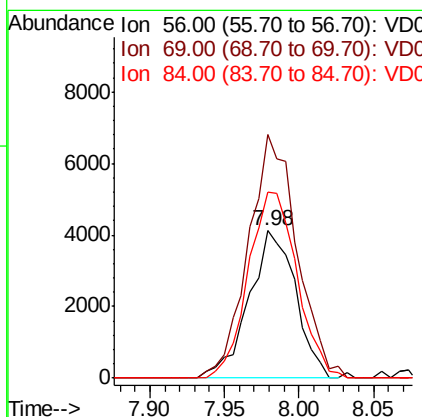
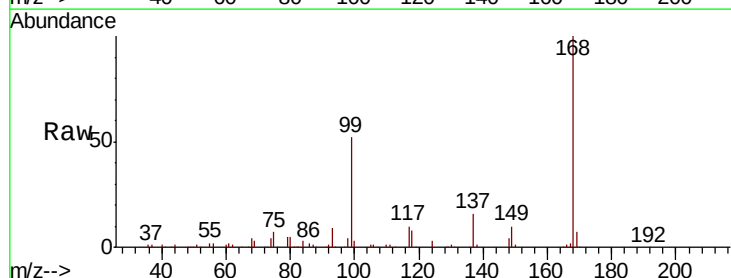
Instrument :
MSVOA_D
ClientSampleId :
TP-1

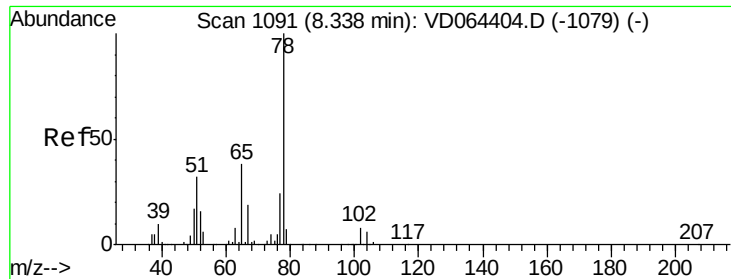
Tot Ion: 83 Resp: 14187
Ion Ratio Lower Upper
83 100
85 58.8 51.8 77.6



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064575.D
Acq: 23 Dec 2019 18:26

Tgt Ion: 56 Resp: 8883
Ion Ratio Lower Upper
56 100
69 165.6 26.2 39.4#
84 126.7 70.3 105.5#

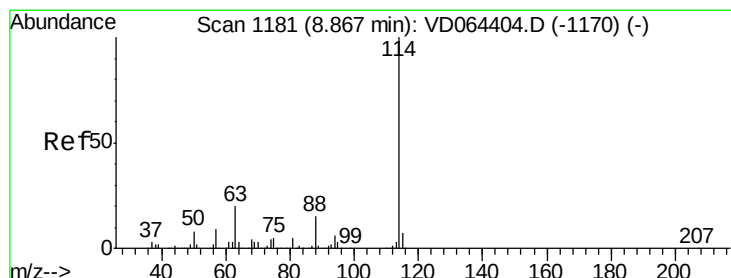
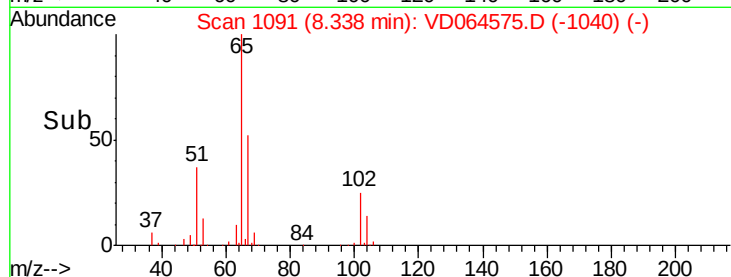
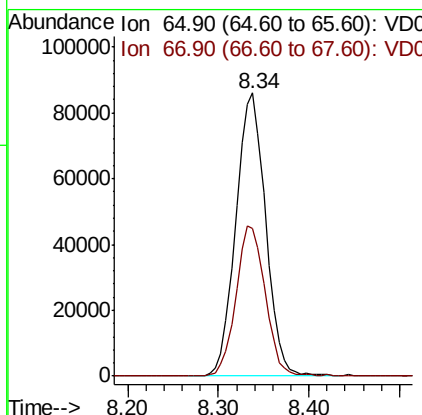
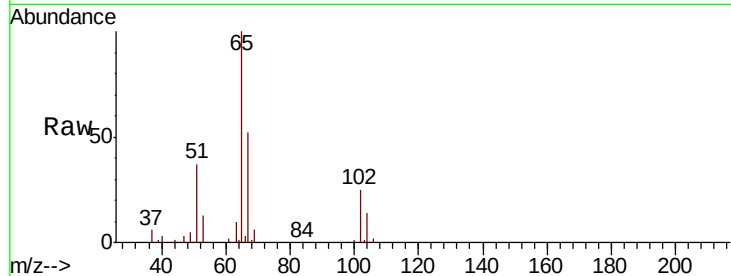




#33
 1,2-Dichloroethane-d4
 Concen: 48.863 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064575.D
 Acq: 23 Dec 2019 18:26

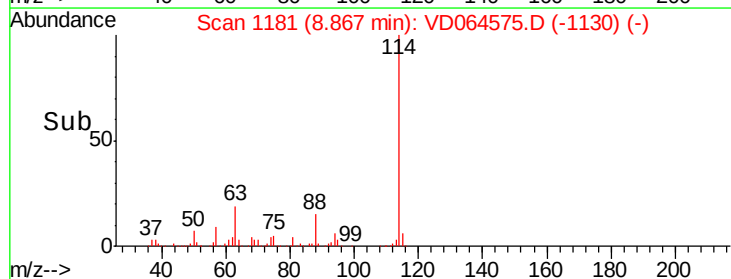
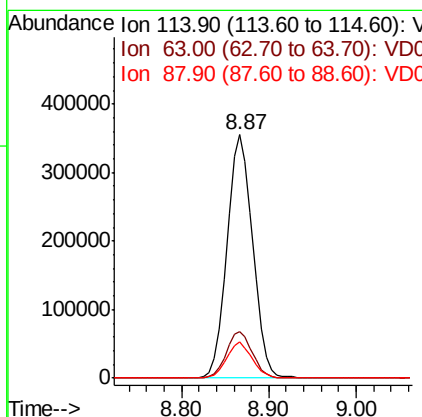
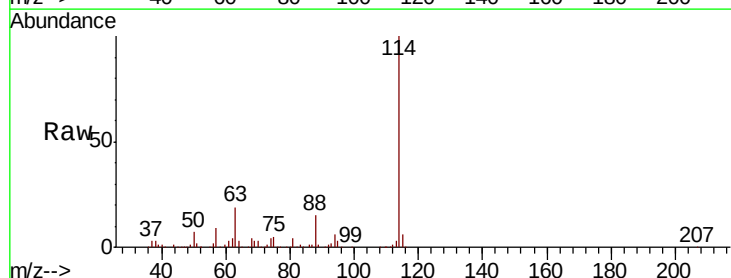
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

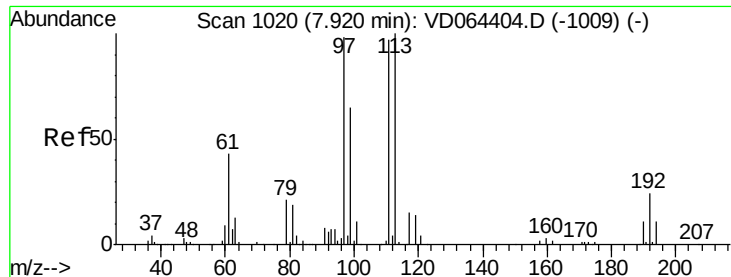
Tot Ion: 65 Resp: 196731
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064575.D
 Acq: 23 Dec 2019 18:26

Tgt Ion: 114 Resp: 710711
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 15.2 0.0 29.2

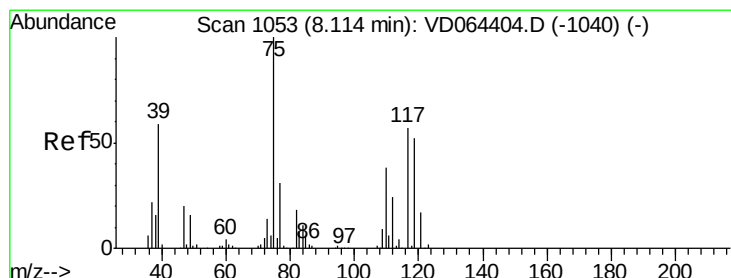
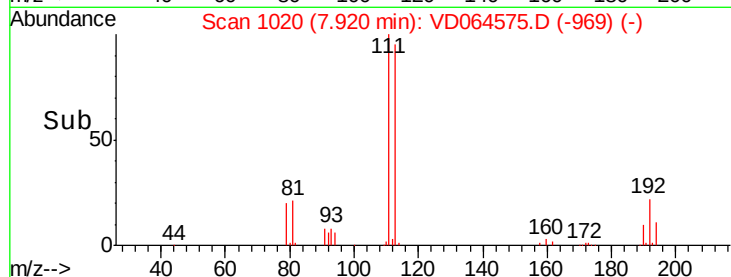
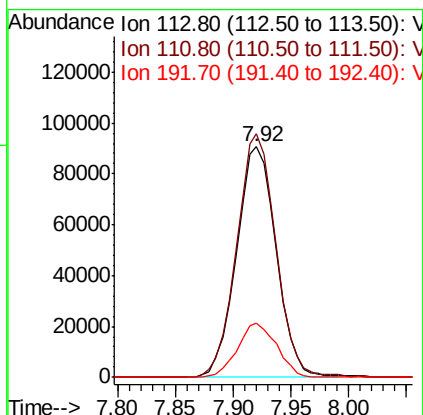
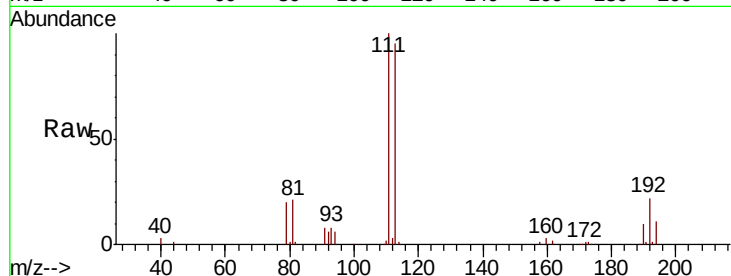




#35
 Dibromofluoromethane
 Concen: 48.303 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064575.D
 Acq: 23 Dec 2019 18:26

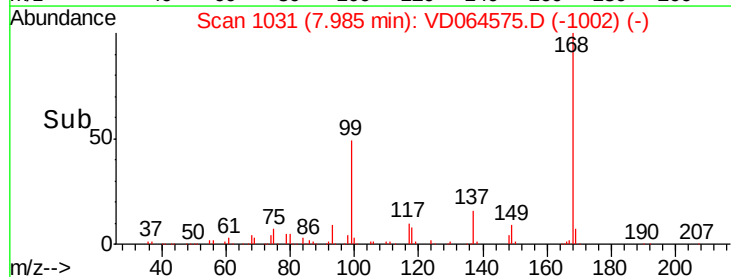
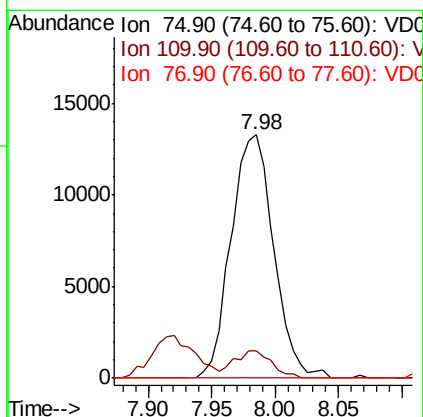
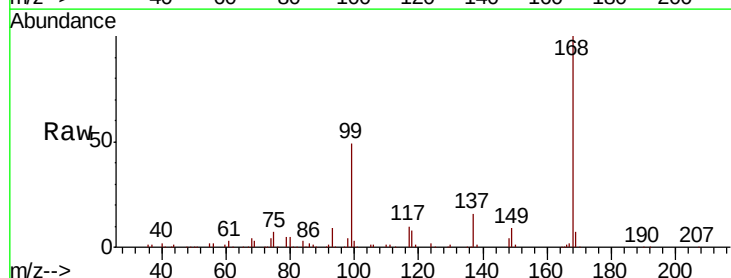
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

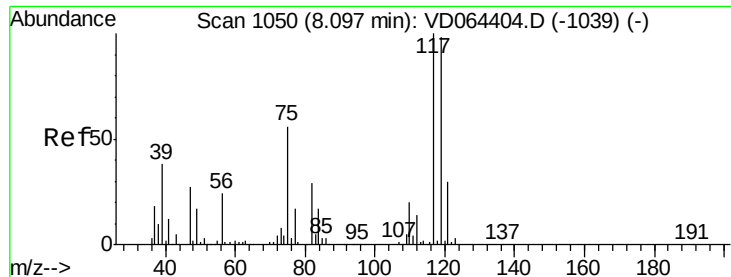
Tot Ion:113 Resp: 216294
 Ion Ratio Lower Upper
 113 100
 111 104.8 79.4 119.2
 192 23.5 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 4.612 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064575.D
 Acq: 23 Dec 2019 18:26

Tgt Ion: 75 Resp: 31003
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.6 55.8#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.974 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064575.D

Acq: 23 Dec 2019 18:26

Instrument :

MSVOA_D

ClientSampleId :

TP-1

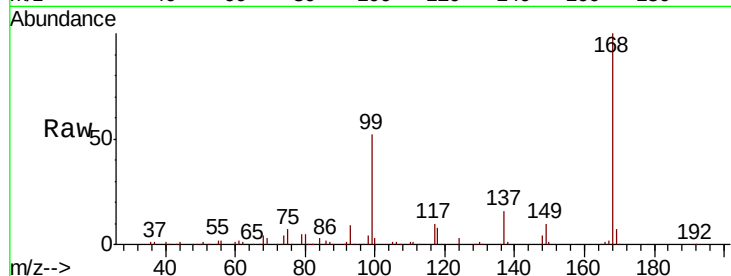
Tot Ion:117 Resp: 42386

Ion Ratio Lower Upper

117 100

119 3.6 78.8 118.2#

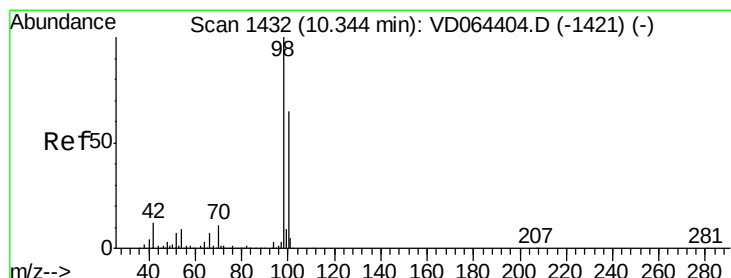
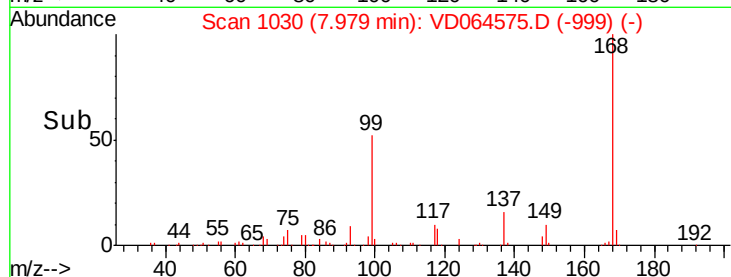
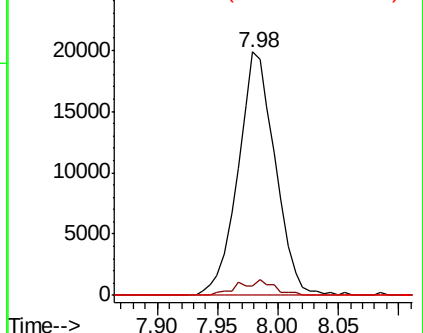
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 51.385 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064575.D

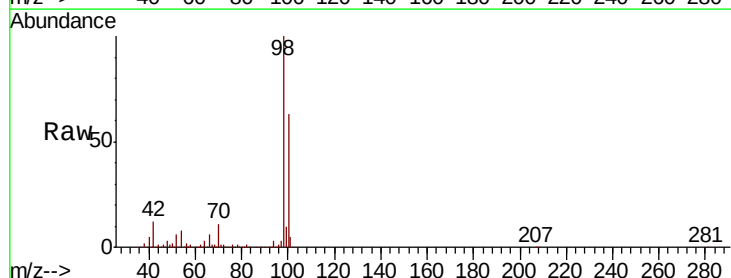
Acq: 23 Dec 2019 18:26

Tgt Ion: 98 Resp: 866733

Ion Ratio Lower Upper

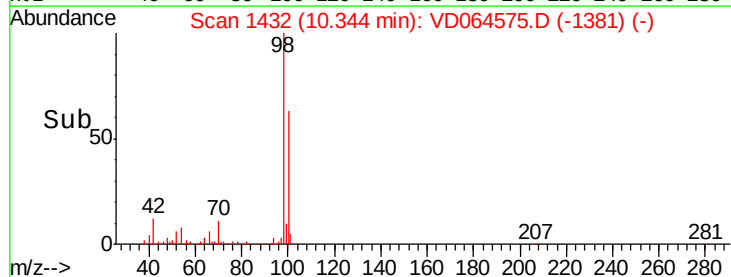
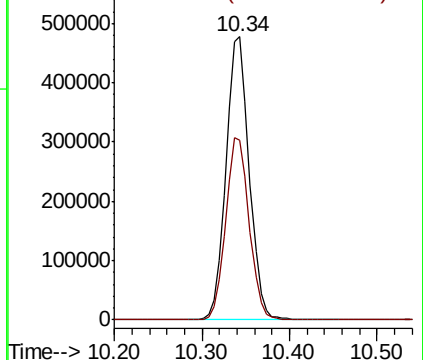
98 100

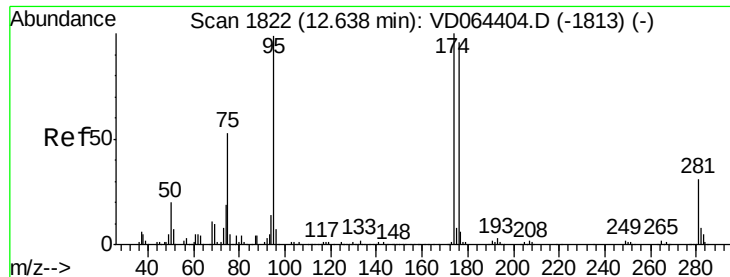
100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

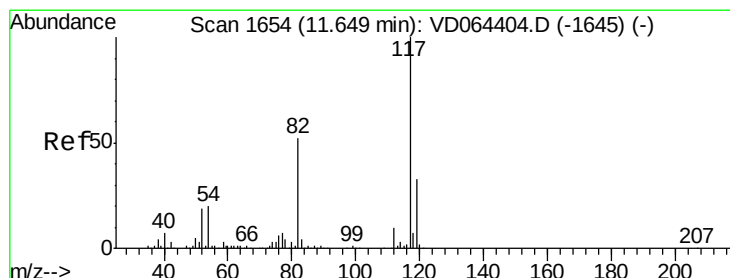
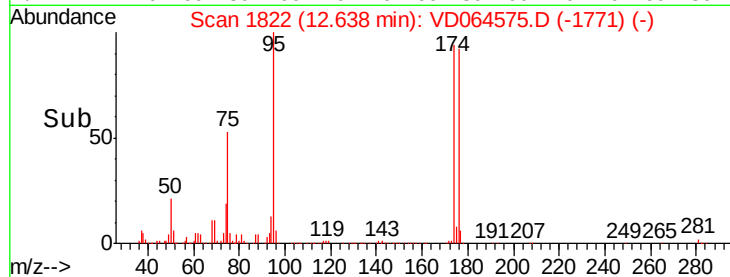
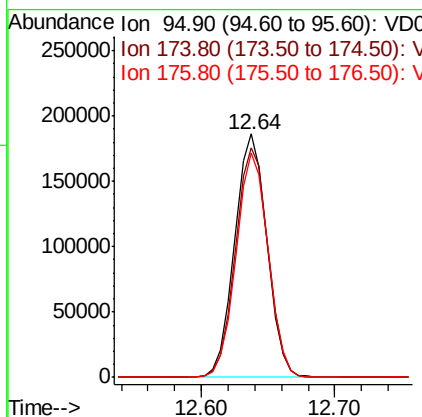
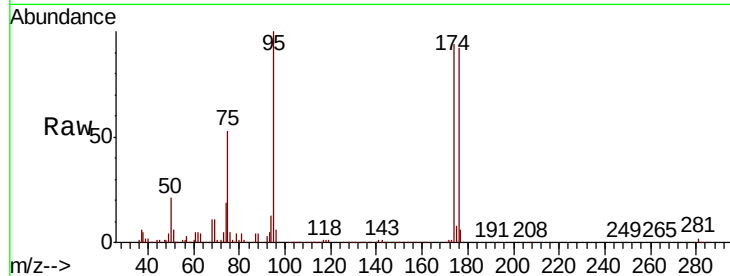




#62
4-Bromofluorobenzene
Concen: 57.493 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064575.D
Acq: 23 Dec 2019 18:26

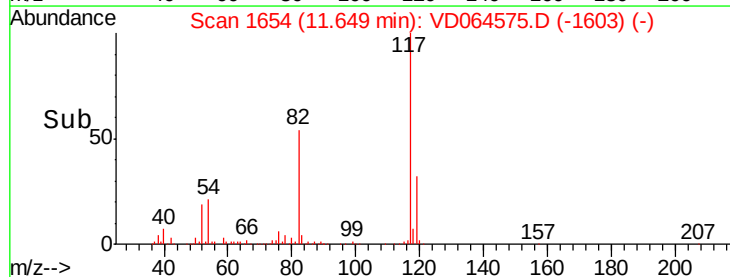
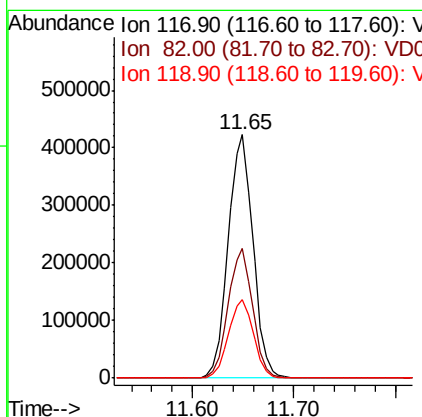
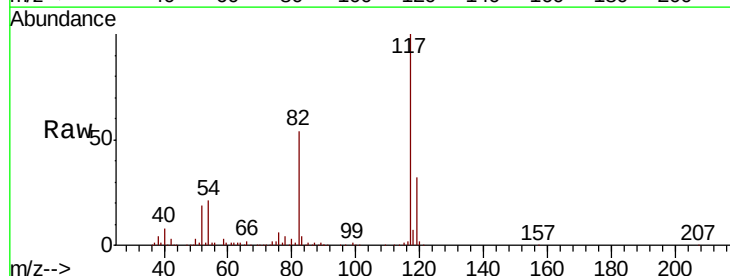
Instrument :
MSVOA_D
ClientSampleId :
TP-1

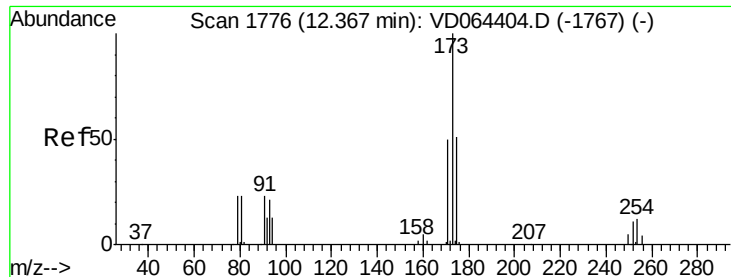
Tot Ion: 95 Resp: 311656
Ion Ratio Lower Upper
95 100
174 95.2 0.0 197.2
176 91.7 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064575.D
Acq: 23 Dec 2019 18:26

Tgt Ion: 117 Resp: 717076
Ion Ratio Lower Upper
117 100
82 53.5 41.4 62.2
119 32.0 26.2 39.2





#71

Bromoform

Concen: 1.088 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.26 min

Lab File: VD064575.D

Acq: 23 Dec 2019 18:26

Instrument :

MSVOA_D

ClientSampleId :

TP-1

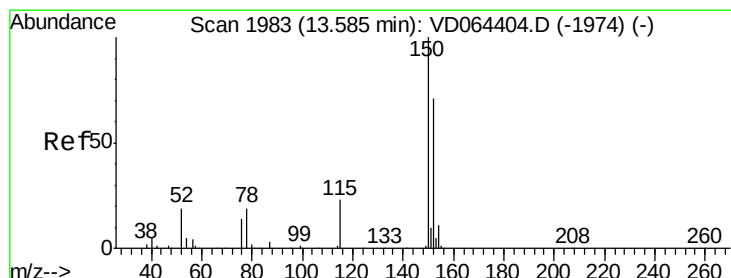
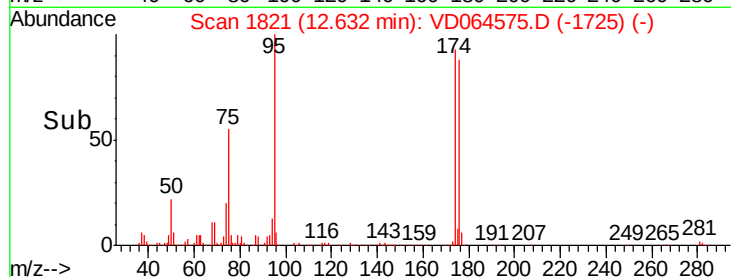
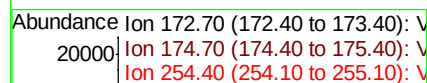
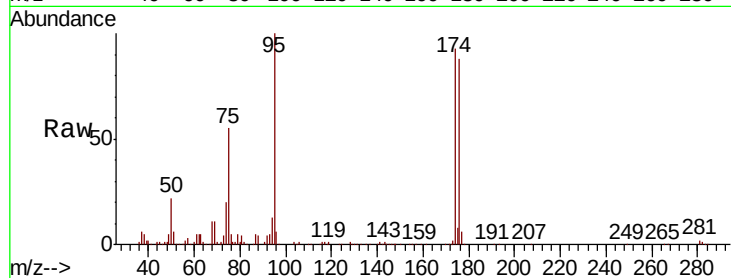
Tot Ion:173 Resp: 3605

Ion Ratio Lower Upper

173 100

175 545.3 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: VD064575.D

Acq: 23 Dec 2019 18:26

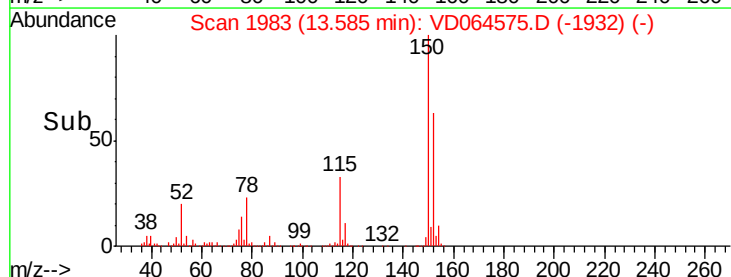
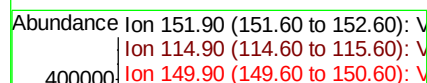
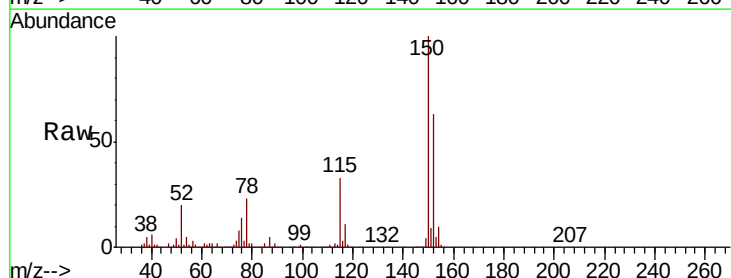
Tgt Ion:152 Resp: 339081

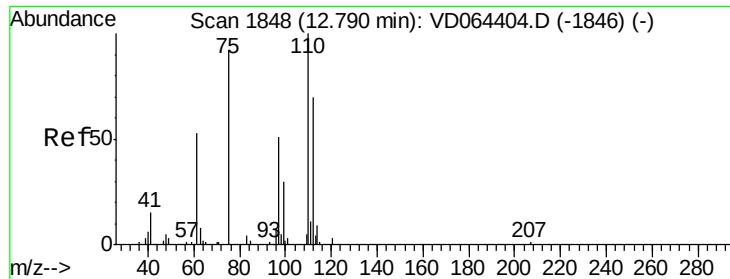
Ion Ratio Lower Upper

152 100

115 54.4 26.7 80.1

150 154.8 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 58.279 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064575.D

Acq: 23 Dec 2019 18:26

Instrument :

MSVOA_D

ClientSampled :

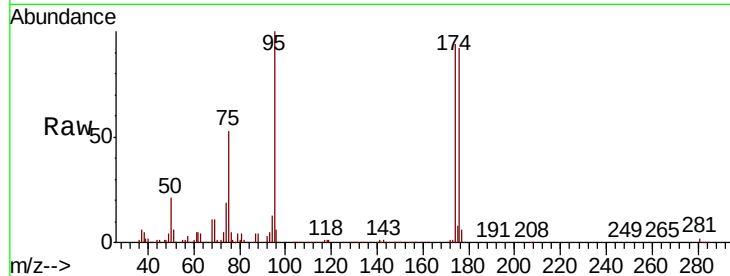
TP-1

Tot Ion: 75 Resp: 162510

Ion Ratio Lower Upper

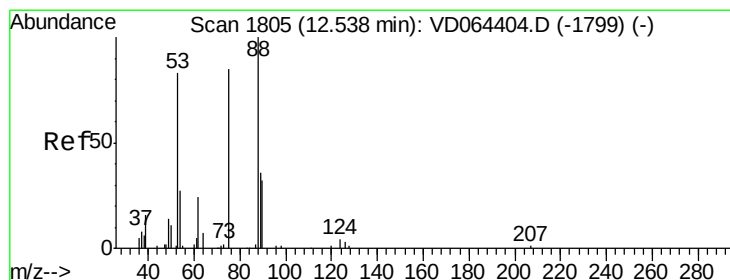
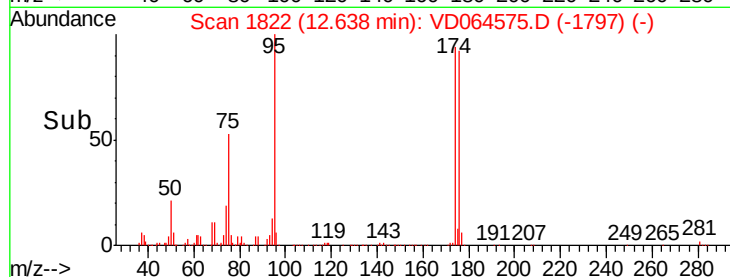
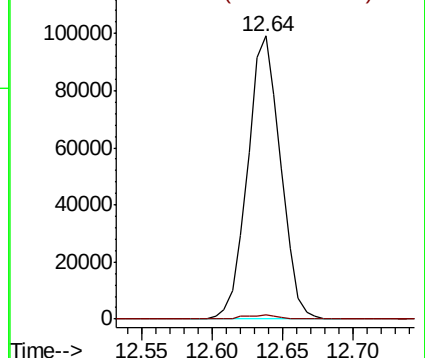
75 100

77 1.7 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: 127.078 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064575.D

Acq: 23 Dec 2019 18:26

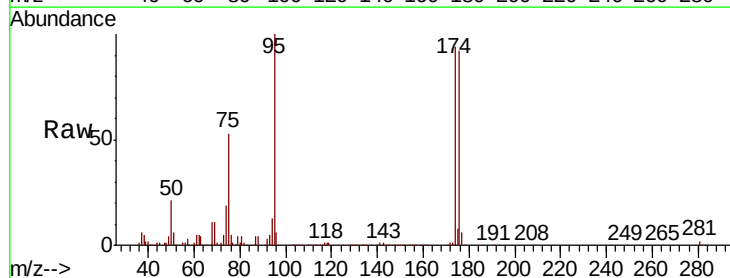
Tgt Ion: 75 Resp: 162510

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

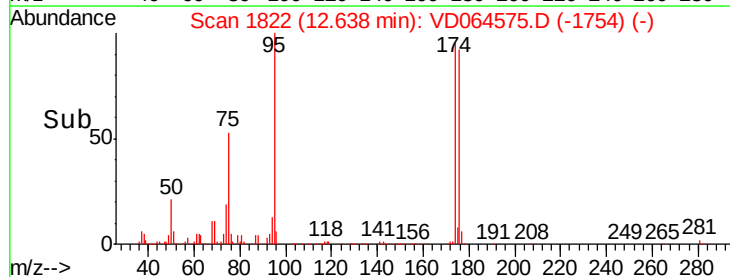
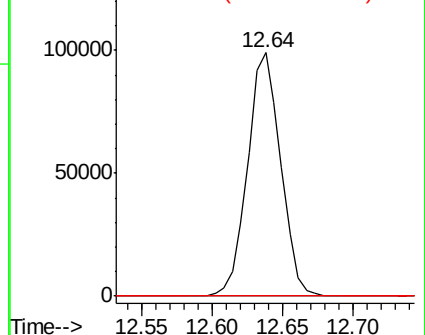
89 0.1 38.5 57.7#

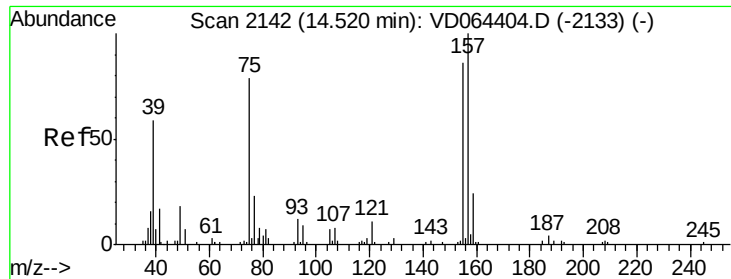


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 2144

Delta R.T. 0.01 min

Lab File: VD064575.D

Acq: 23 Dec 2019 18:26

Instrument :

MSVOA_D

ClientSampleId :

TP-1

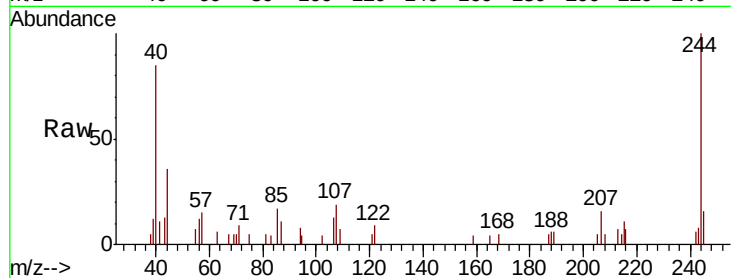
Tot Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

