

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064459.D
 Acq On : 06 Dec 2019 15:27
 Operator : VA/SY
 Sample : K6187-04
 Misc : 5.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:37:14 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	613227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	906088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	840394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	414233	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	250473	45.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.26%	
35) Dibromofluoromethane	7.92	113	270955	47.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.92%	
50) Toluene-d8	10.34	98	1065880	49.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.64	95	361346	52.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.58%	

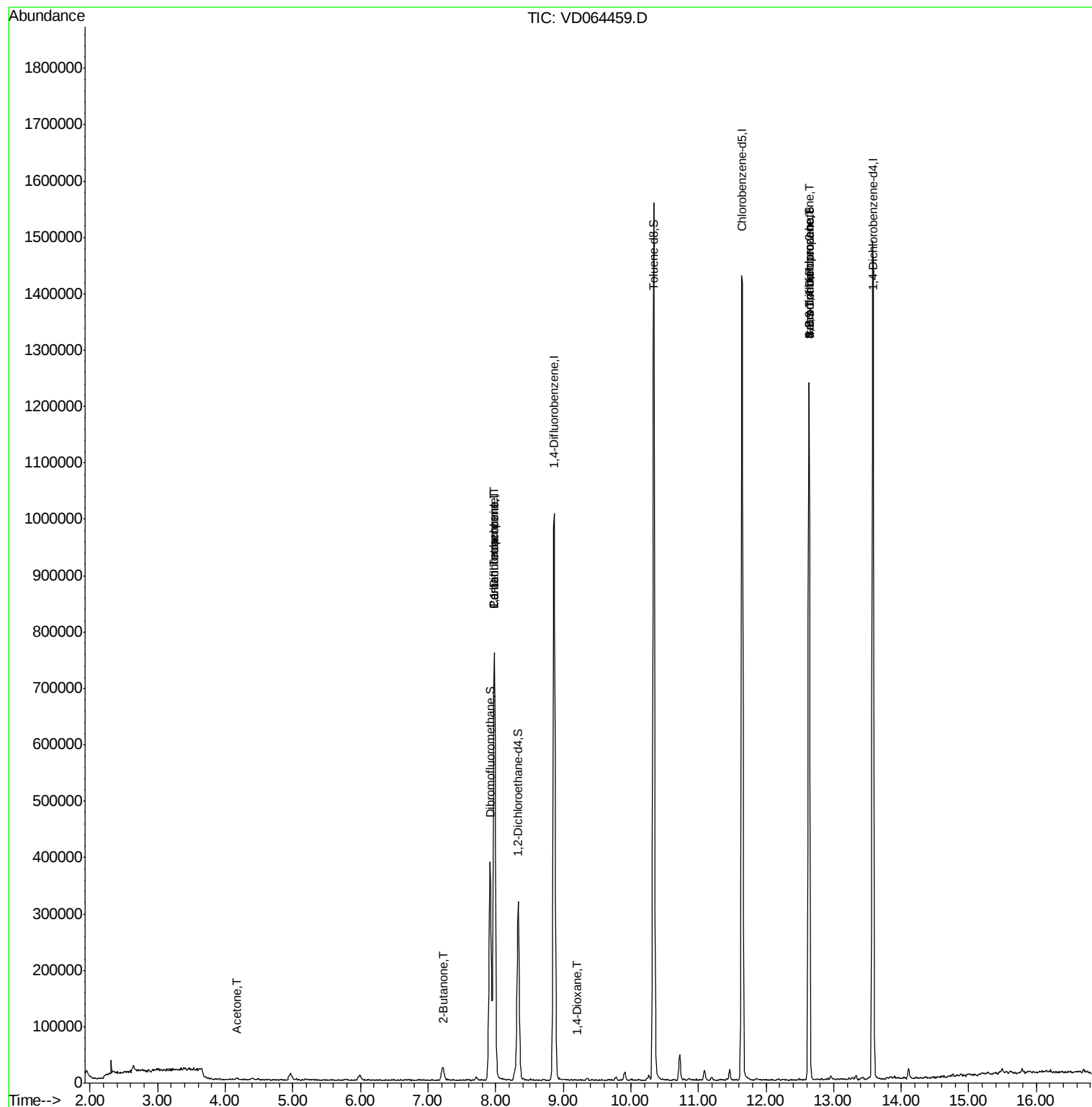
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.18	43	4873	4.344	ug/l #	82
20) Methylene Chloride	4.96	84	7926	Below Cal	#	90
25) 2-Butanone	7.23	43	1981	1.249	ug/l #	49
31) Cyclohexane	7.98	56	13477	Below Cal	#	43
36) 1,1-Dichloropropene	7.98	75	40890	4.771	ug/l #	50
38) Carbon Tetrachloride	7.99	117	53937	5.963	ug/l #	16
49) 1,4-Dioxane	9.21	88	54	1.361	ug/l #	1
71) Bromoform	12.63	173	4219	1.087	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	190798	56.010	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	190798	122.130	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.52	75	107	Below Cal	#	1

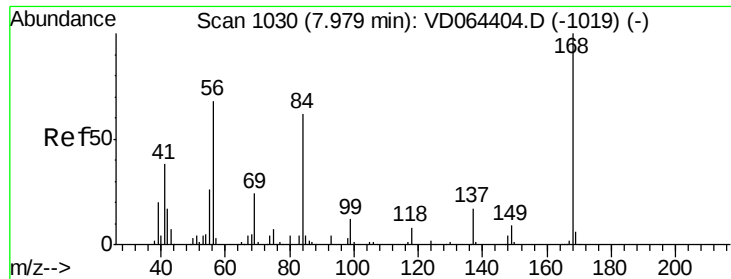
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120619\
Data File : VD064459.D
Acq On : 06 Dec 2019 15:27
Operator : VA/SY
Sample : K6187-04
Misc : 5.44G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 22:37:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Instrument :

MSVOA_D

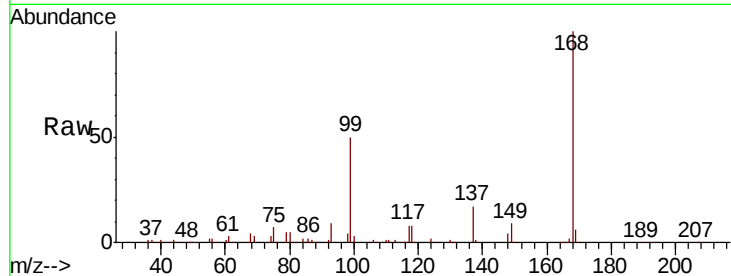
ClientSampleId :

Tot Ion:168 Resp: 613227

Ion Ratio Lower Upper

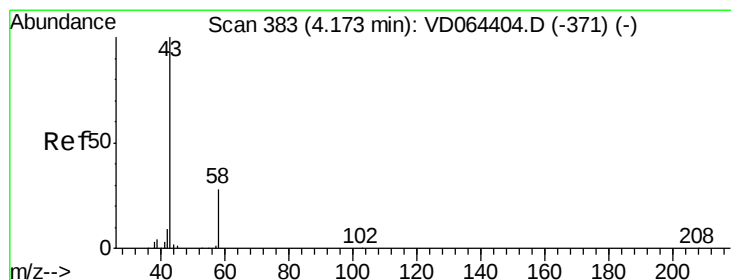
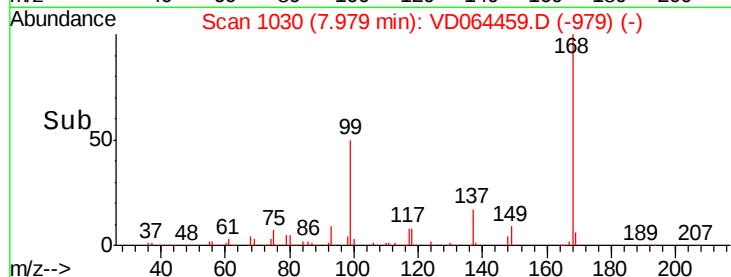
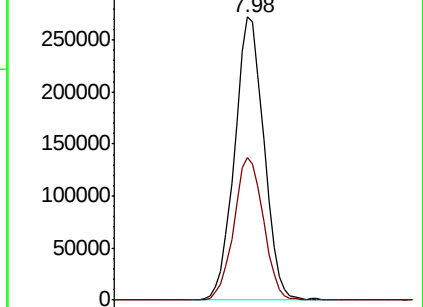
168 100

99 50.2 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: 4.344 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064459.D

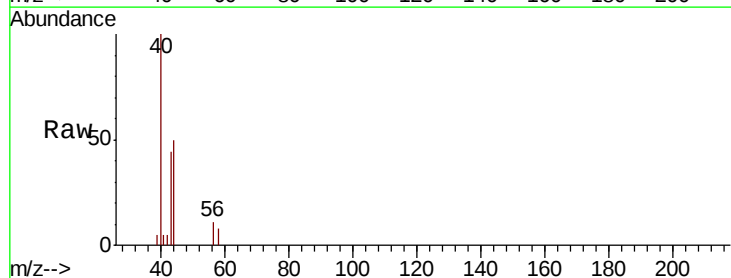
Acq: 06 Dec 2019 15:27

Tgt Ion: 43 Resp: 4873

Ion Ratio Lower Upper

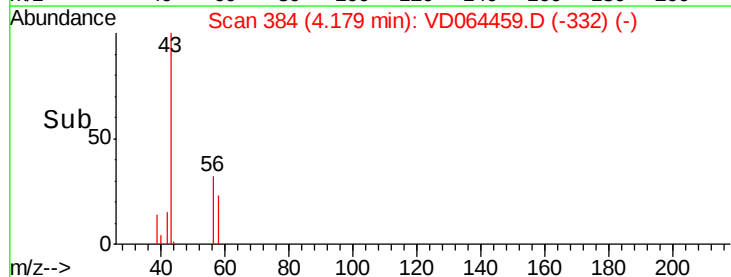
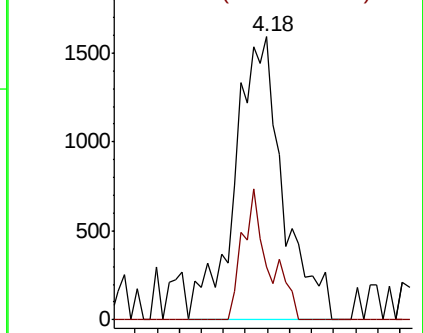
43 100

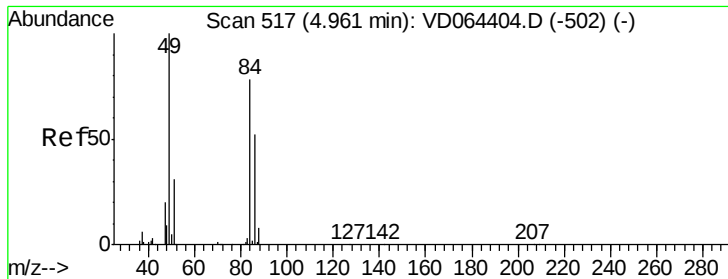
58 18.6 22.6 33.8#



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

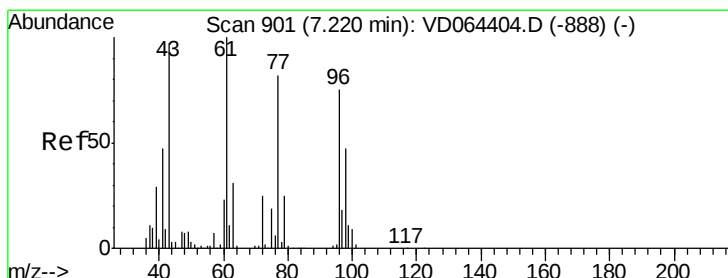
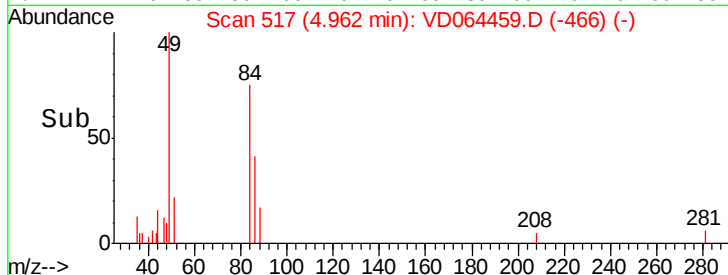
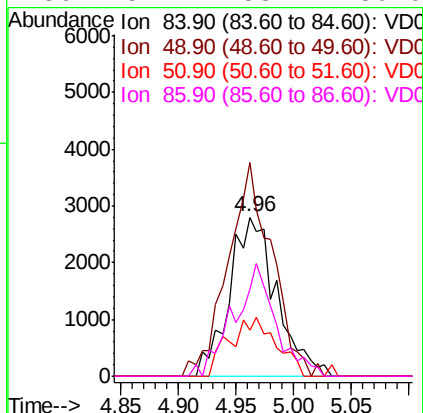
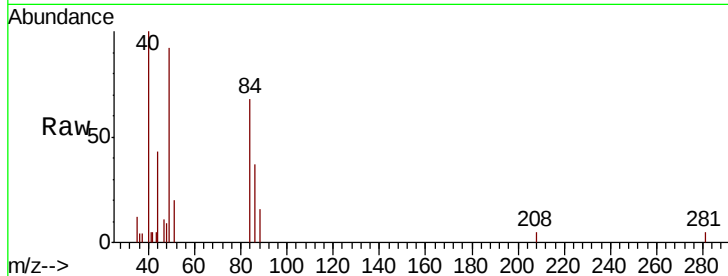
Delta R.T. 0.00 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:	84	Resp:	7926
Ion	Ratio	Lower	Upper
84	100		
49	134.2	102.6	153.8
51	29.2	32.0	48.0#
86	54.7	53.4	80.0



#25

2-Butanone

Concen: 1.249 ug/l

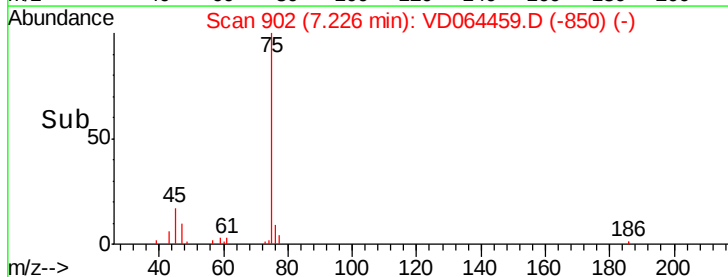
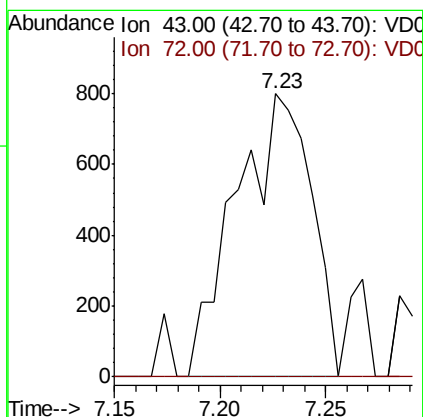
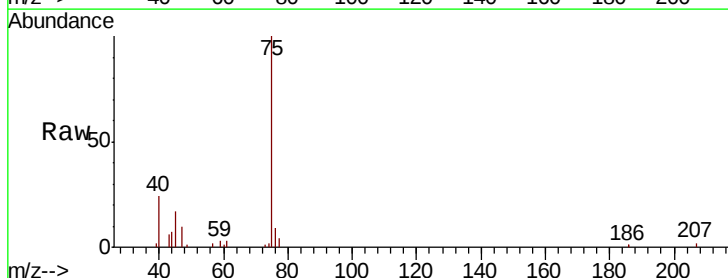
RT: 7.23 min Scan# 902

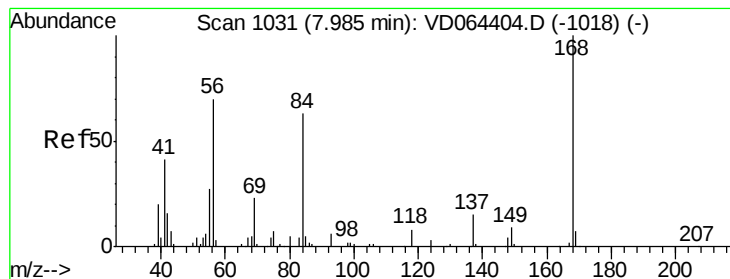
Delta R.T. 0.01 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Tgt Ion:	43	Resp:	1981
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Instrument :
MSVOA_D
ClientSampled :

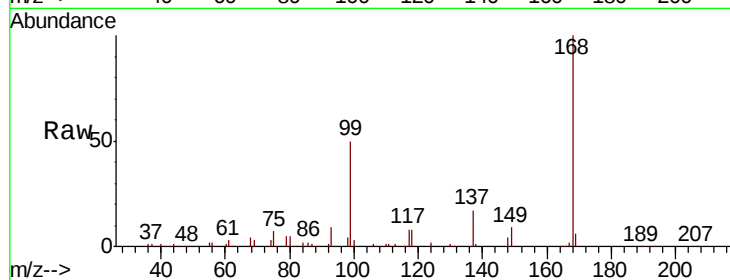
Tot Ion: 56 Resp: 13477

Ion Ratio Lower Upper

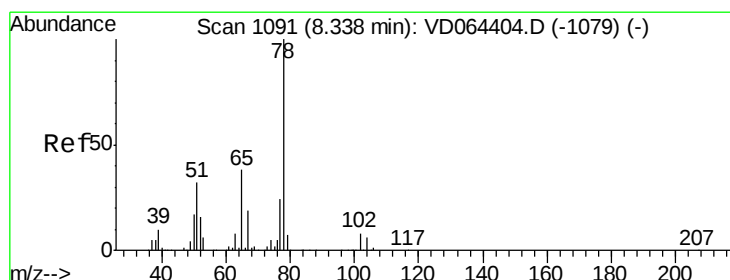
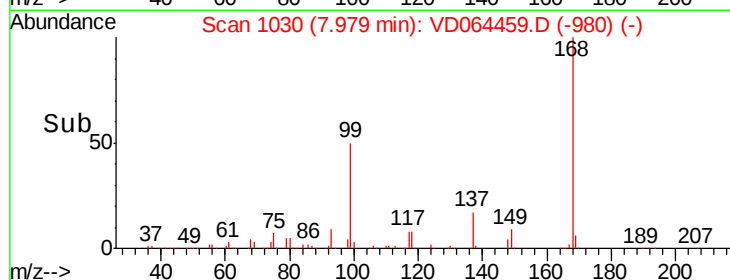
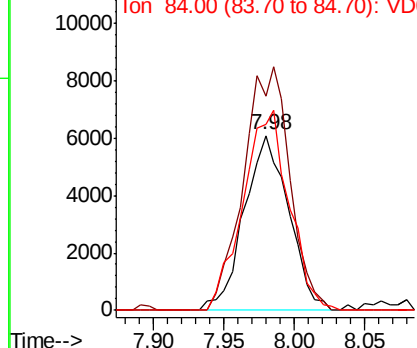
56 100

69 122.2 26.2 39.4#

84 106.1 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: 45.125 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064459.D

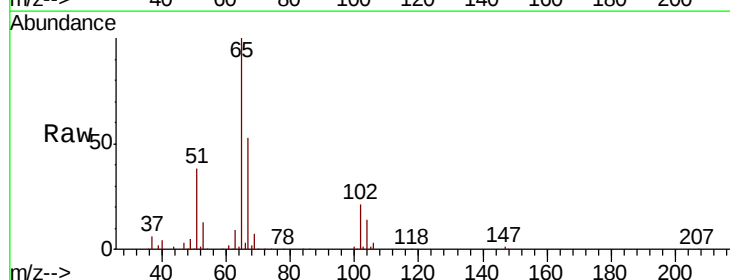
Acq: 06 Dec 2019 15:27

Tgt Ion: 65 Resp: 250473

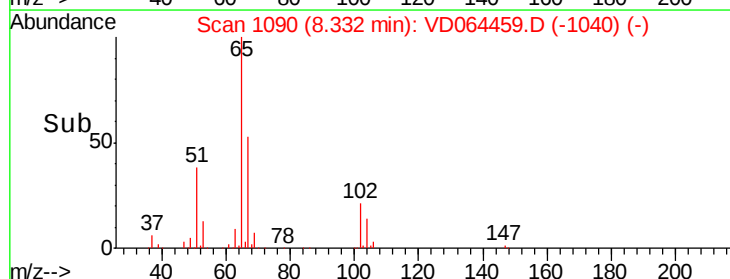
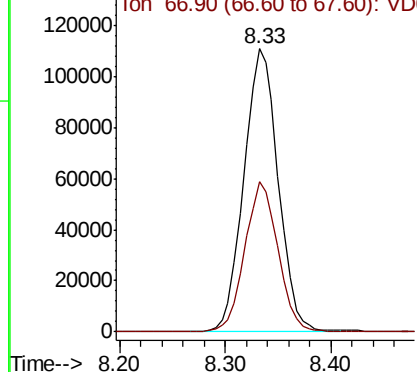
Ion Ratio Lower Upper

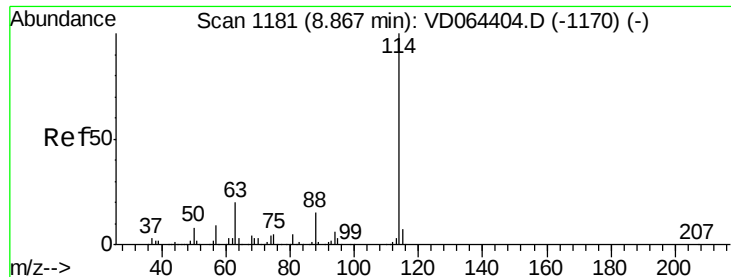
65 100

67 51.3 0.0 102.0



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

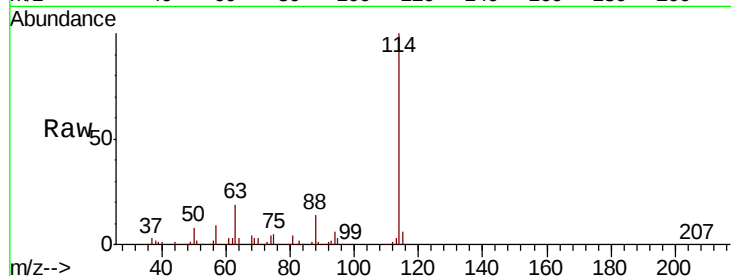




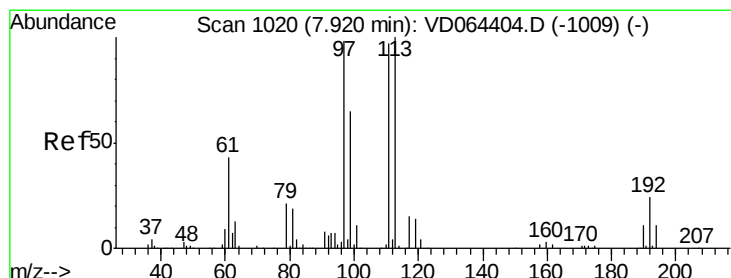
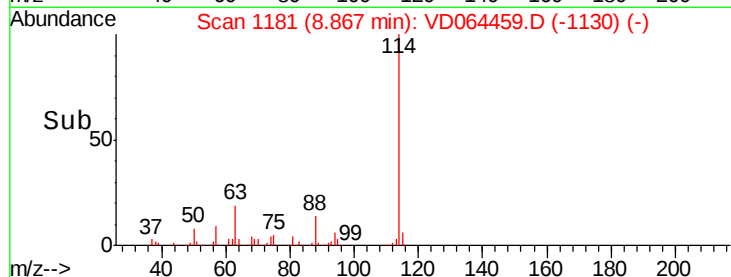
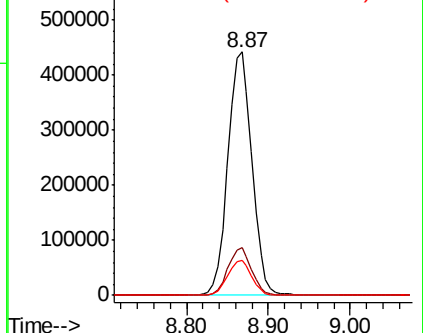
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064459.D
 Acq: 06 Dec 2019 15:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	14.5	0.0	29.2

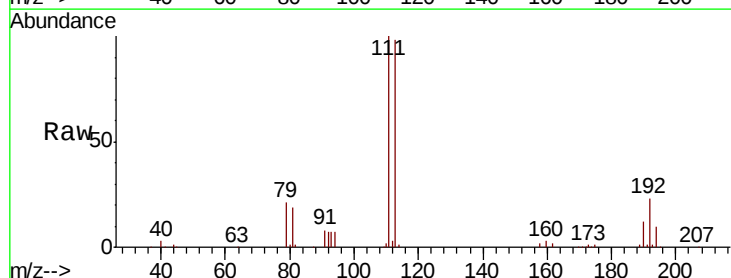


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

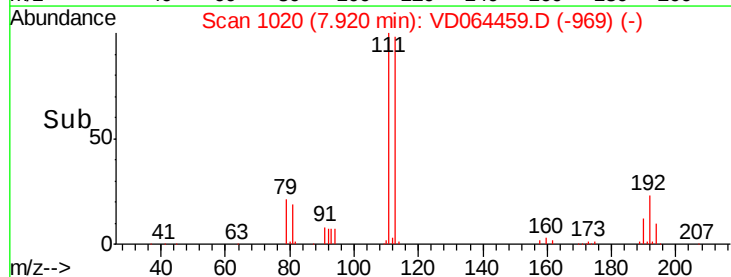
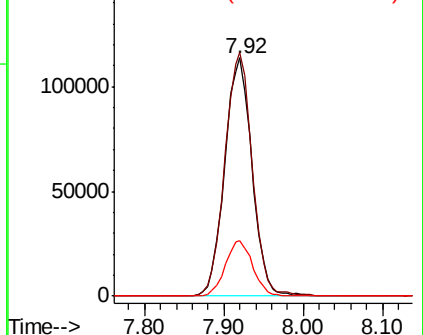


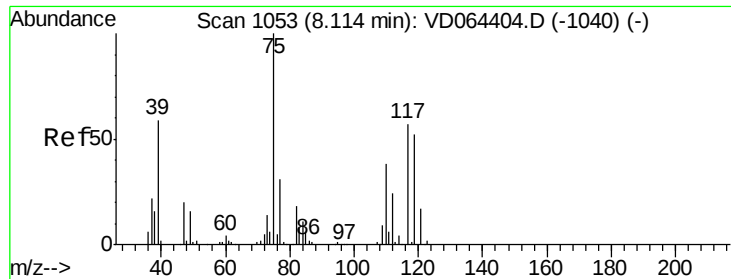
#35
 Dibromofluoromethane
 Concen: 47.463 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064459.D
 Acq: 06 Dec 2019 15:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.4	119.2
192	23.2	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

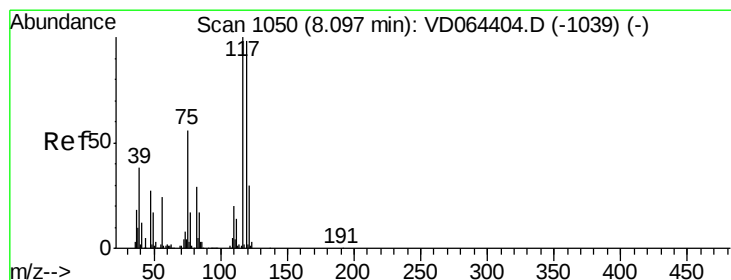
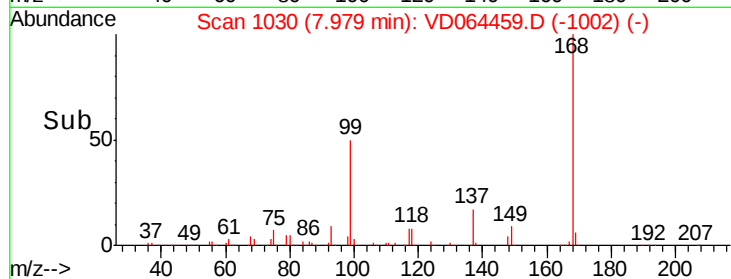
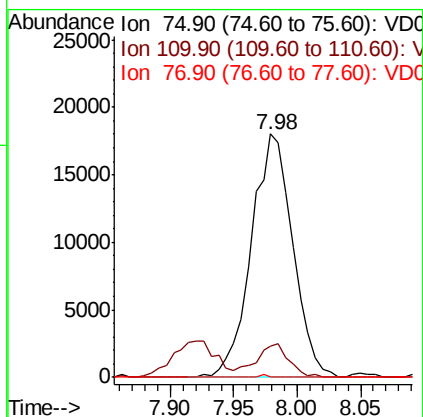
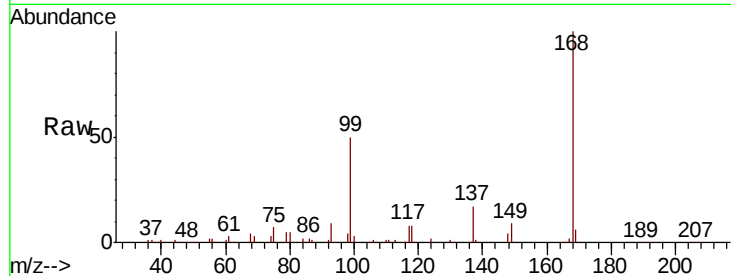




#36
 1,1-Dichloropropene
 Concen: 4.771 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064459.D
 Acq: 06 Dec 2019 15:27

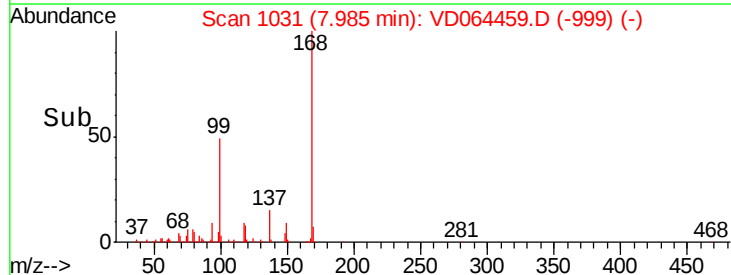
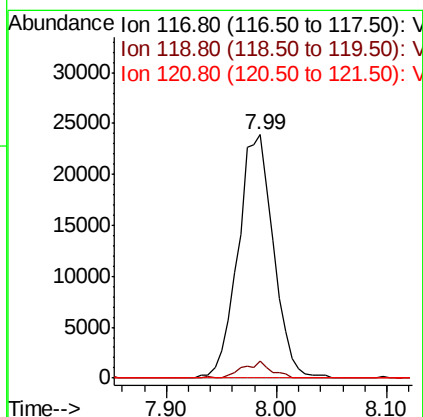
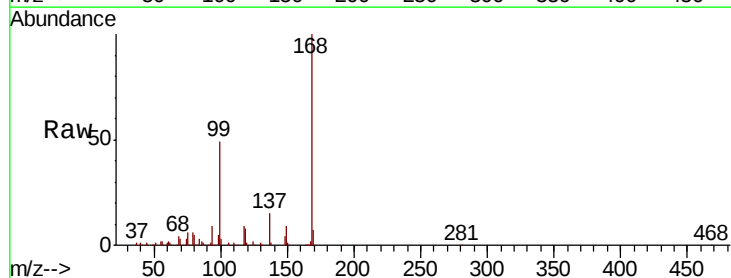
Instrument :
 MSVOA_D
 ClientSampled :

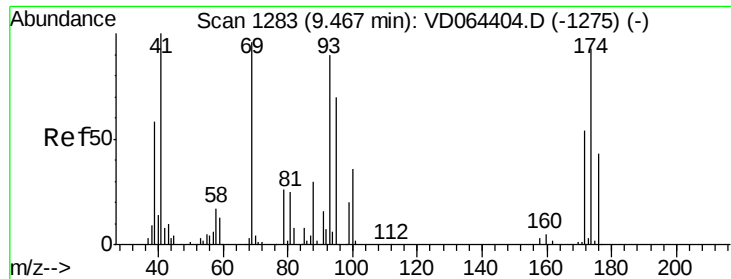
Tot Ion: 75 Resp: 40890
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.6 55.8#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.963 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064459.D
 Acq: 06 Dec 2019 15:27

Tgt Ion: 117 Resp: 53937
 Ion Ratio Lower Upper
 117 100
 119 6.8 78.8 118.2#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 1.361 ug/l

RT: 9.21 min Scan# 1239

Delta R.T. -0.26 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

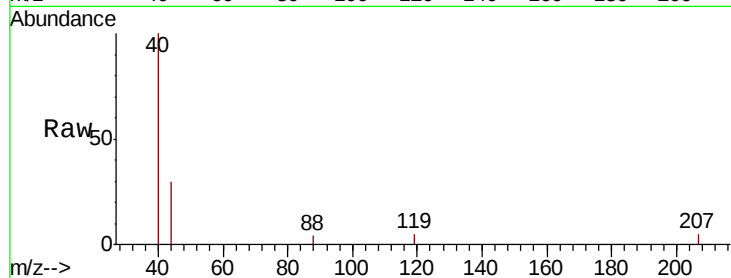
Tot Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 253.7 26.7 40.1#

58 0.0 52.3 78.5#



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

300

250

200

150

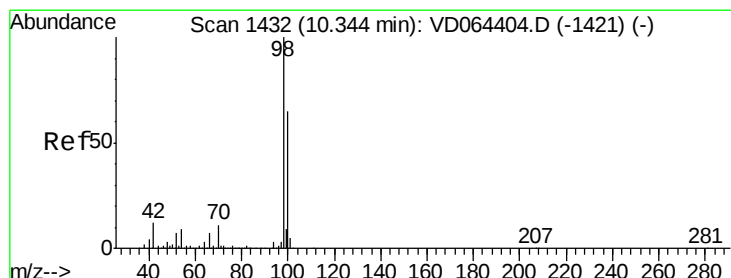
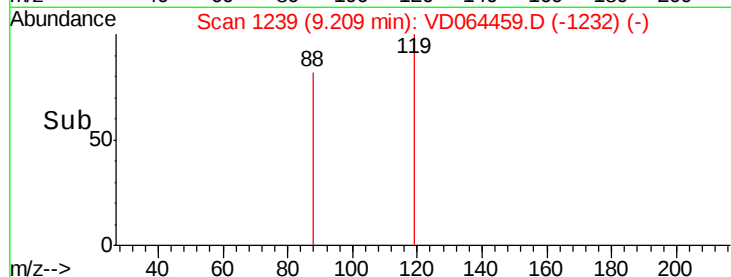
100

50

0

9.19 9.20 9.21 9.22

Time-->



#50

Toluene-d8

Concen: 49.566 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064459.D

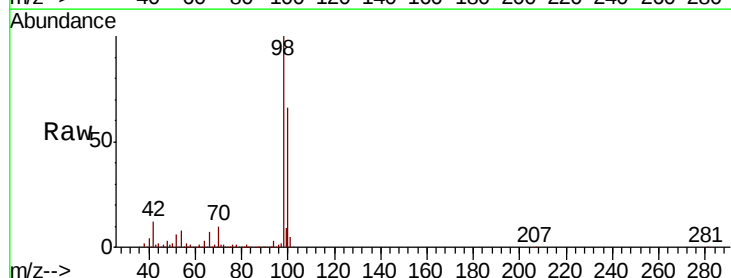
Acq: 06 Dec 2019 15:27

Tgt Ion: 98 Resp: 1065880

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

600000

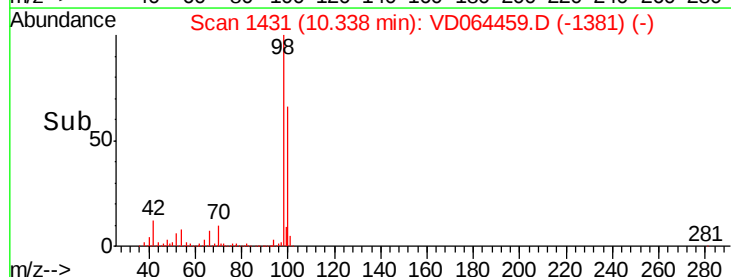
400000

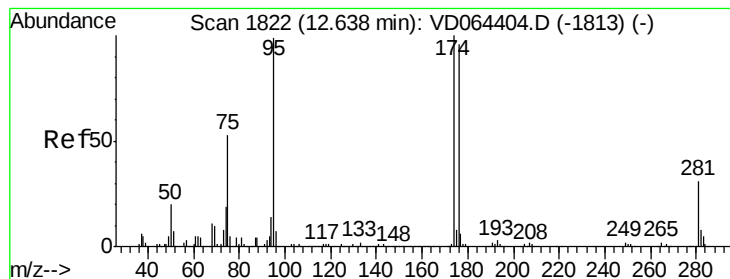
200000

0

10.20 10.30 10.40 10.50

Time-->





#62

4-Bromofluorobenzene

Concen: 52.286 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

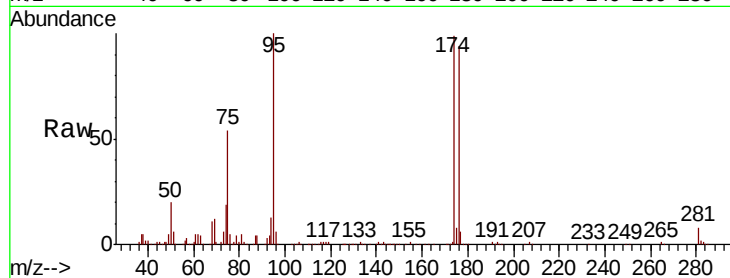
Tot Ion: 95 Resp: 361346

Ion Ratio Lower Upper

95 100

174 97.7 0.0 197.2

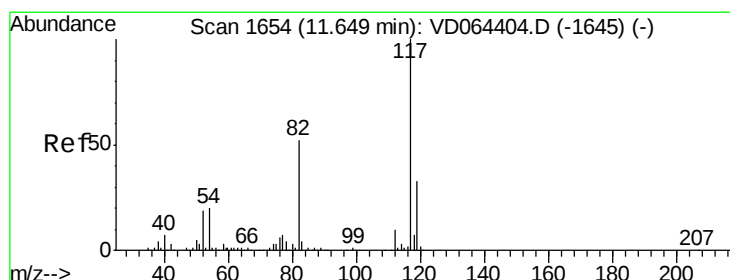
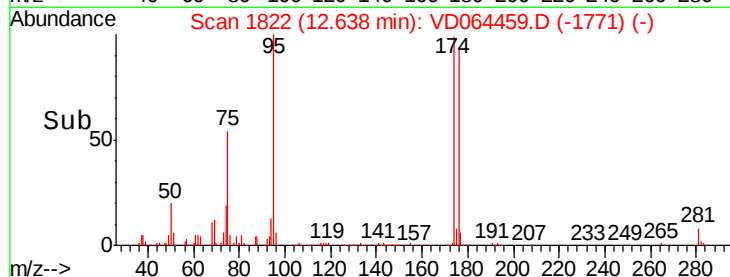
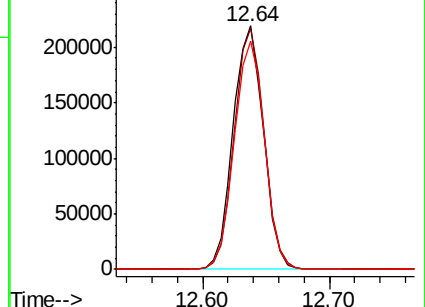
176 93.8 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

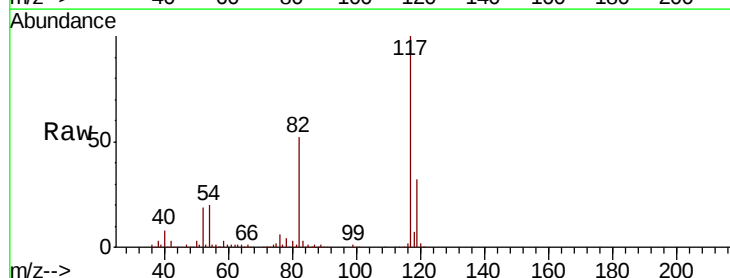
Tgt Ion: 117 Resp: 840394

Ion Ratio Lower Upper

117 100

82 51.7 41.4 62.2

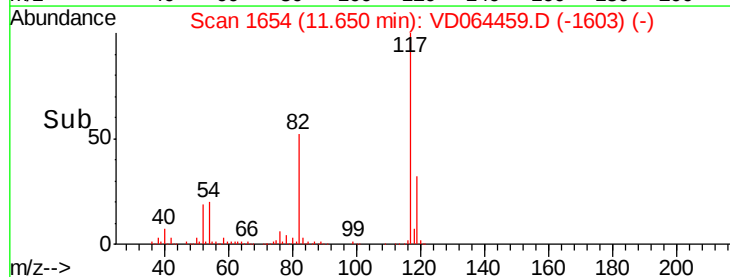
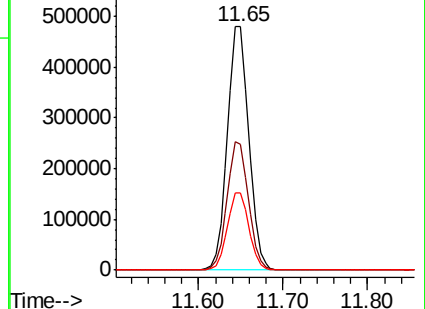
119 31.7 26.2 39.2

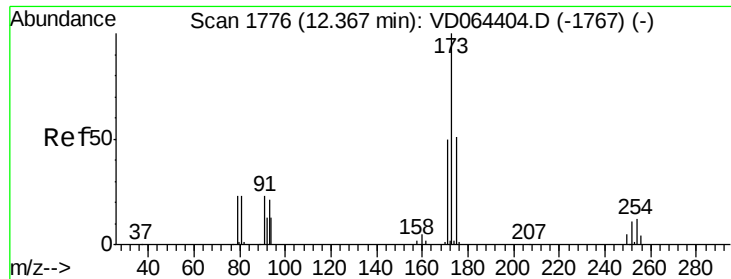


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

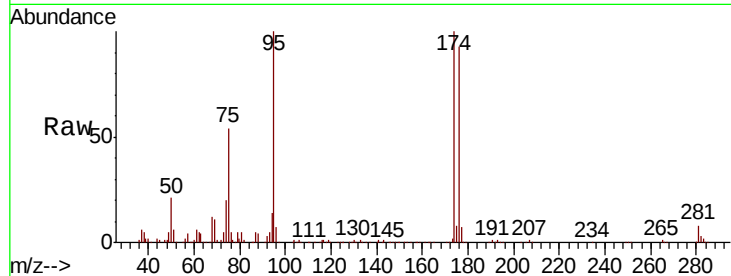




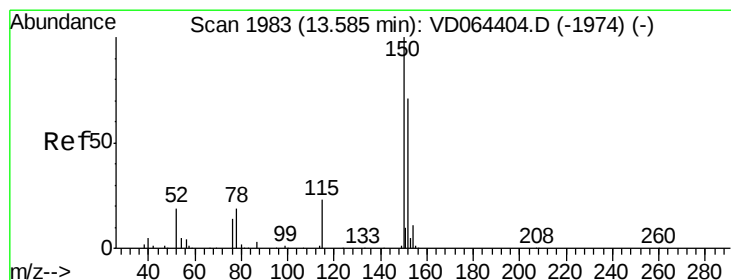
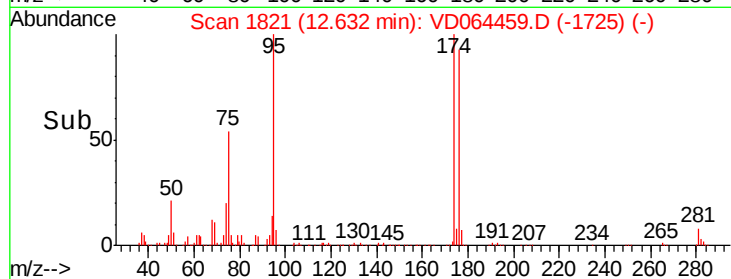
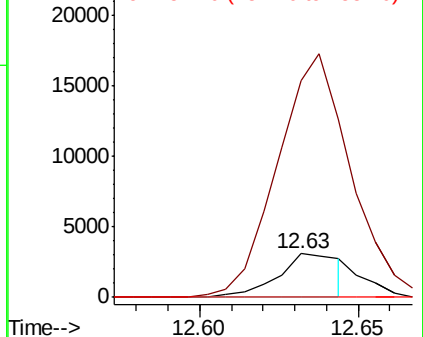
#71
Bromoform
Concen: 1.087 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD064459.D
Acq: 06 Dec 2019 15:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 4219
Ion Ratio Lower Upper
173 100
175 541.7 25.3 75.8#
254 0.0 0.0 0.0

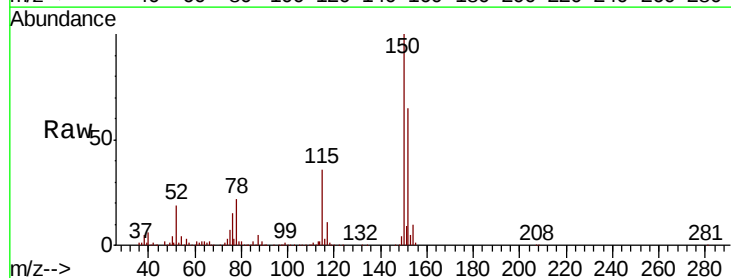


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

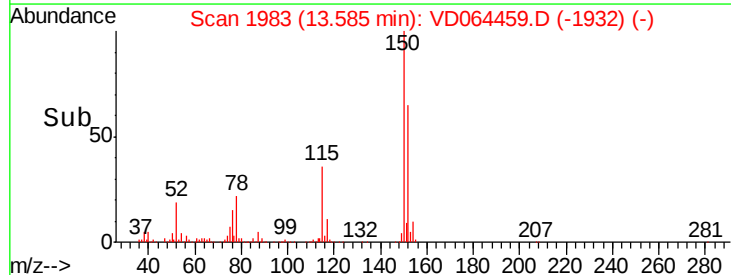
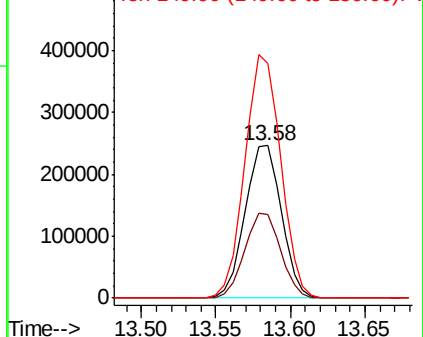


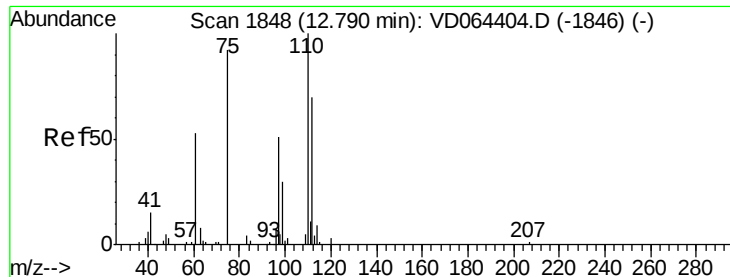
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064459.D
Acq: 06 Dec 2019 15:27

Tgt Ion:152 Resp: 414233
Ion Ratio Lower Upper
152 100
115 55.1 26.7 80.1
150 157.8 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: 56.010 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Instrument :

MSVOA_D

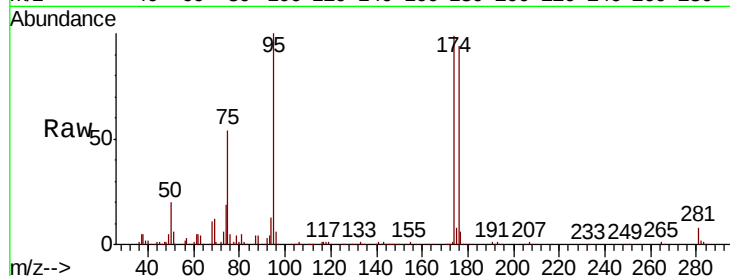
ClientSampled :

Tot Ion: 75 Resp: 190798

Ion Ratio Lower Upper

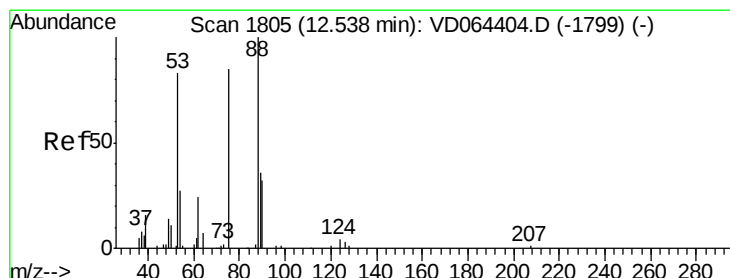
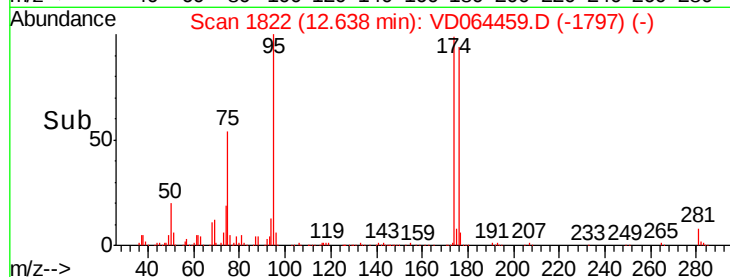
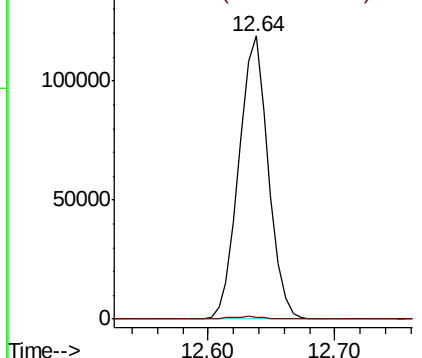
75 100

77 1.1 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: 122.130 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

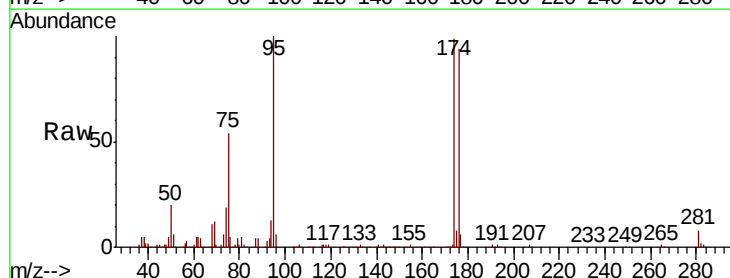
Tgt Ion: 75 Resp: 190798

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

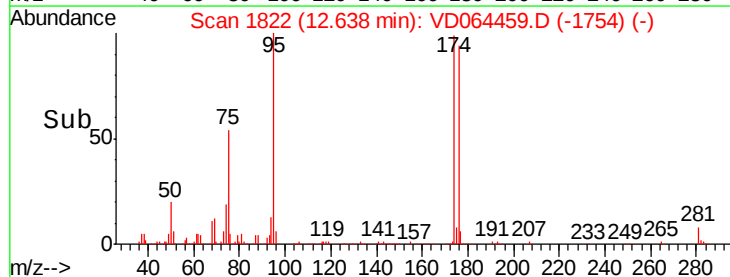
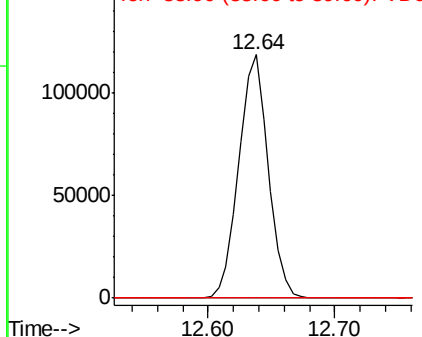
89 0.0 38.5 57.7#

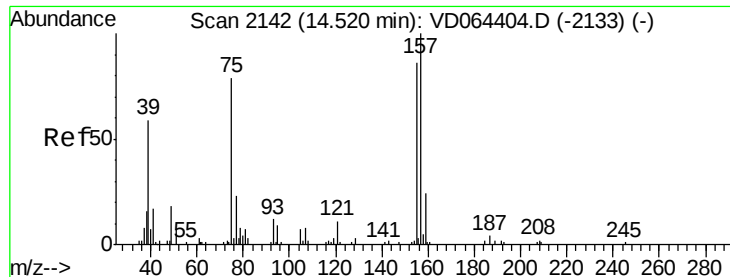


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064459.D

Acq: 06 Dec 2019 15:27

Instrument :

MSVOA_D

ClientSampleId :

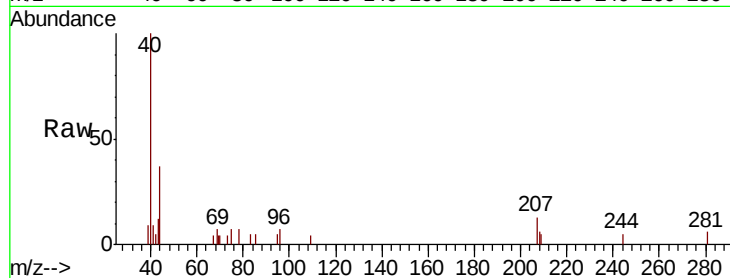
Tot Ion: 75 Resp: 107

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

