

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064465.D
 Acq On : 06 Dec 2019 18:20
 Operator : VA/SY
 Sample : K6187-07
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:38:14 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	263898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	402665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	397254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	198127	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	146409	61.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	122.58%	
35) Dibromofluoromethane	7.92	113	130050	51.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.52%	
50) Toluene-d8	10.34	98	473187	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.64	95	171282	55.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.54%	

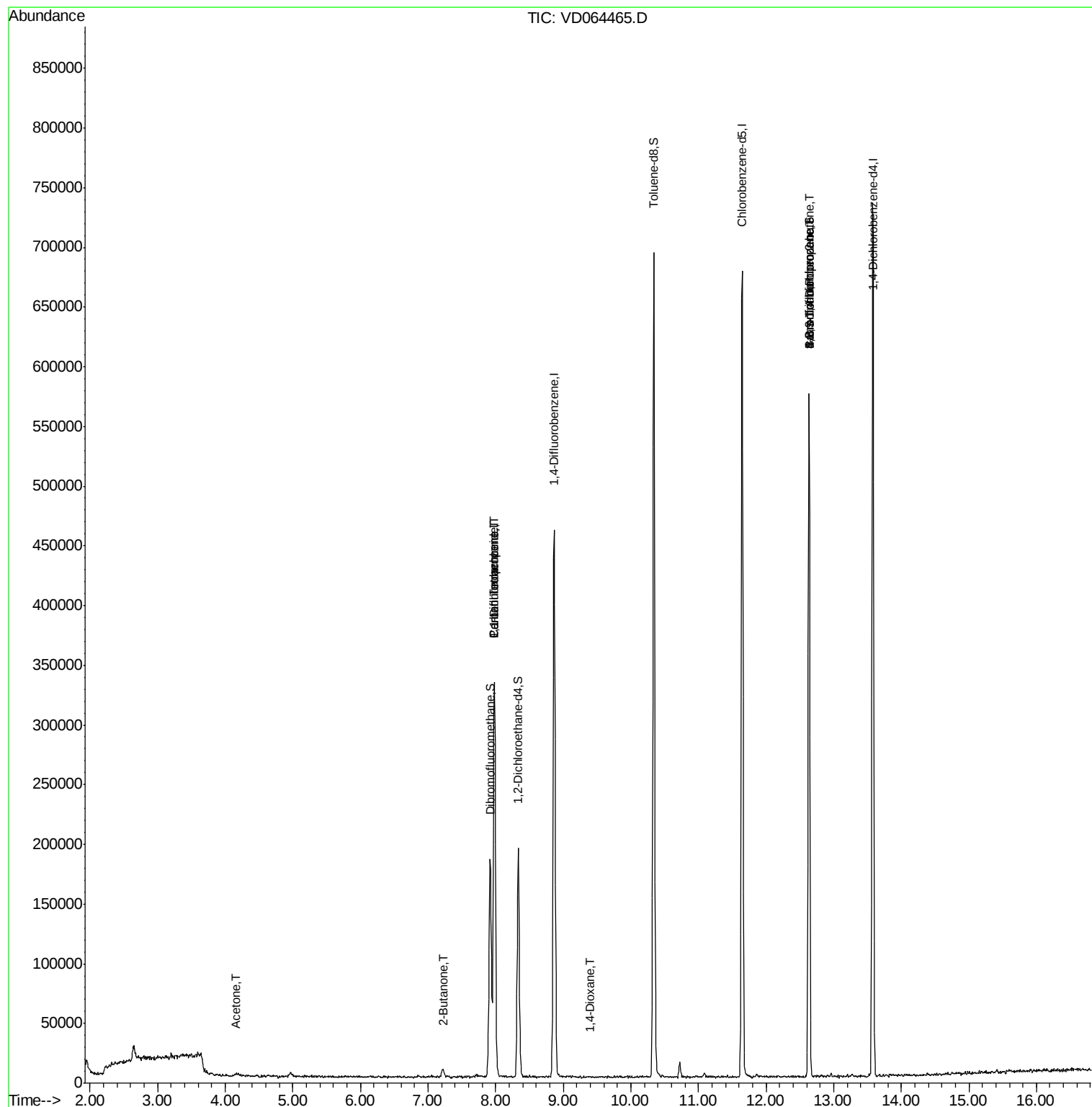
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	1902	3.940	ug/l #	84
20) Methylene Chloride	4.96	84	2597	Below Cal	#	86
25) 2-Butanone	7.23	43	1010	1.480	ug/l #	49
31) Cyclohexane	7.98	56	5235	Below Cal	#	1
36) 1,1-Dichloropropene	7.98	75	19021	4.994	ug/l #	48
38) Carbon Tetrachloride	7.98	117	24726	6.151	ug/l #	15
49) 1,4-Dioxane	9.40	88	59	3.346	ug/l #	25
71) Bromoform	12.64	173	2112	1.151	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	90362	55.460	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	90362	120.931	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	54	Below Cal	#	1

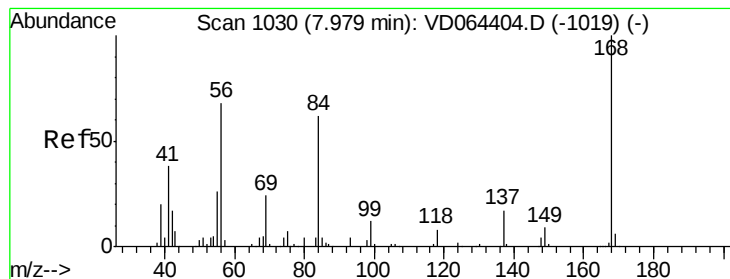
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120619\
Data File : VD064465.D
Acq On : 06 Dec 2019 18:20
Operator : VA/SY
Sample : K6187-07
Misc : 5.10G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 22:38:14 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: VD064465.D

Acq: 06 Dec 2019 18:20

Instrument :

MSVOA_D

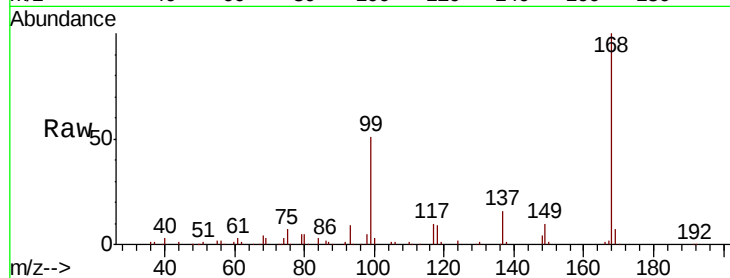
ClientSampleId :

Tot Ion:168 Resp: 263898

Ion Ratio Lower Upper

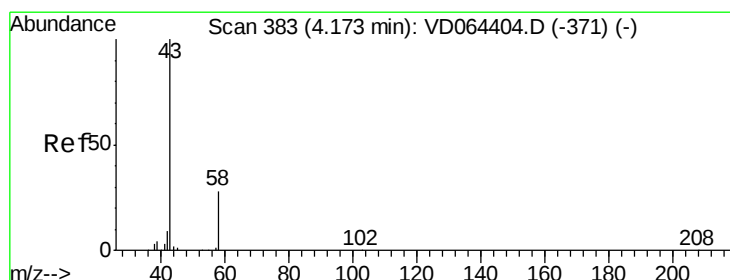
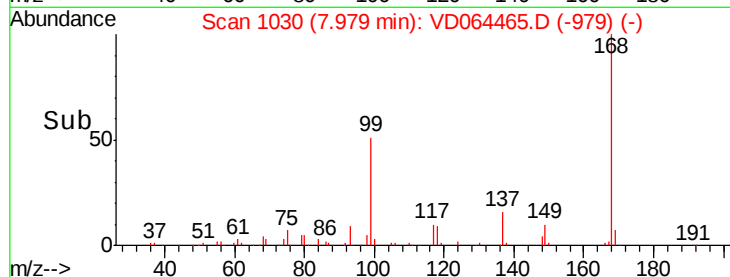
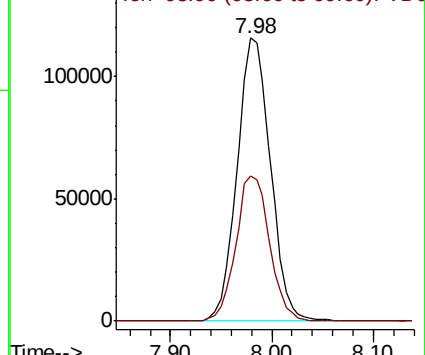
168 100

99 51.2 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: 3.940 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064465.D

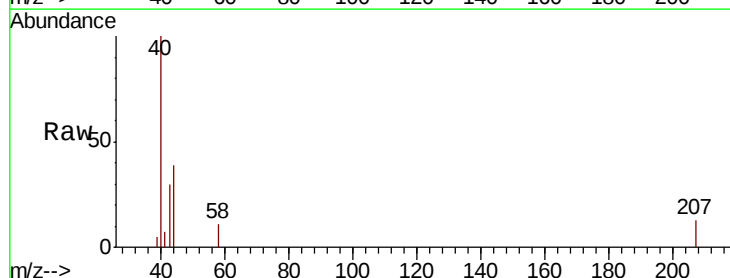
Acq: 06 Dec 2019 18:20

Tgt Ion: 43 Resp: 1902

Ion Ratio Lower Upper

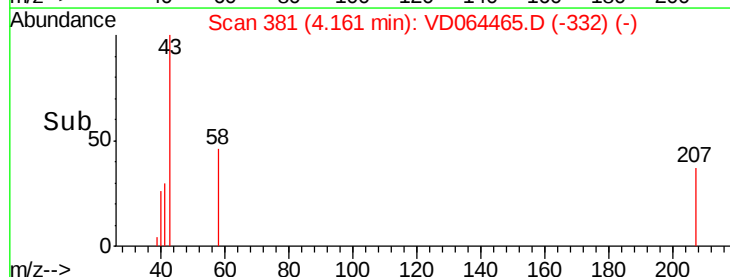
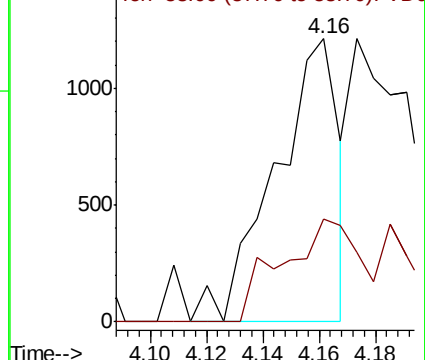
43 100

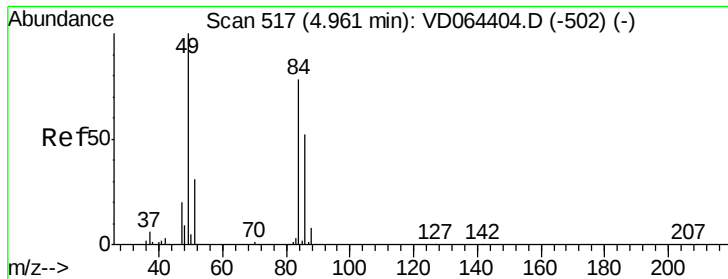
58 36.6 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

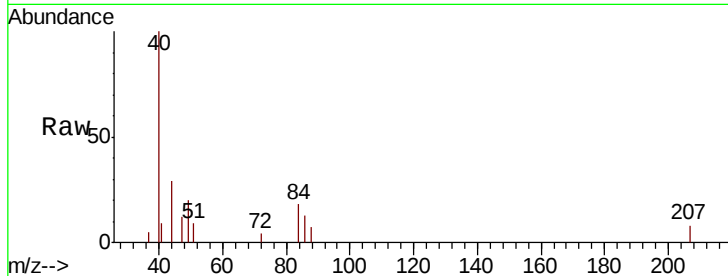




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	84	Resp	2597
Ion	Ratio	Lower	Upper
84	100		
49	109.8	102.6	153.8
51	50.9	32.0	48.0#
86	71.9	53.4	80.0



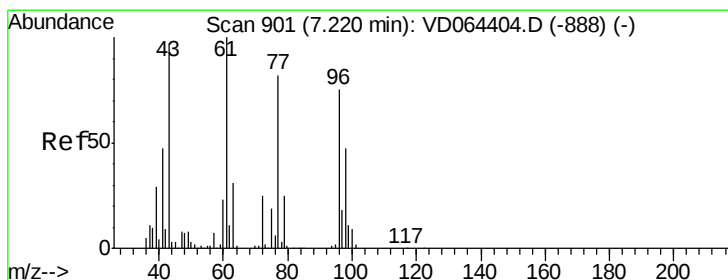
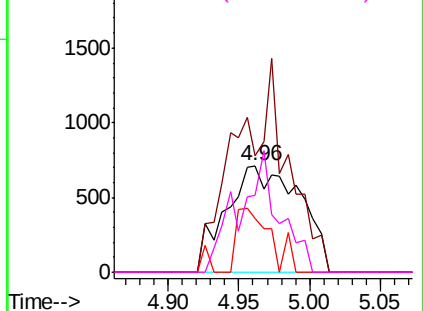
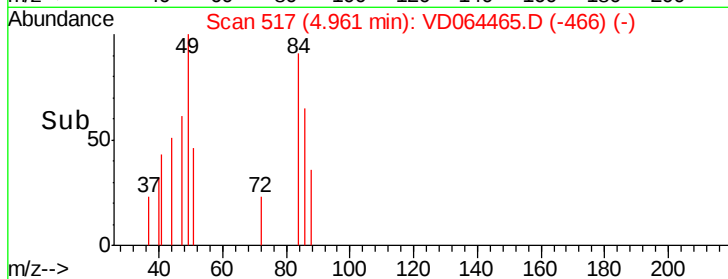
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

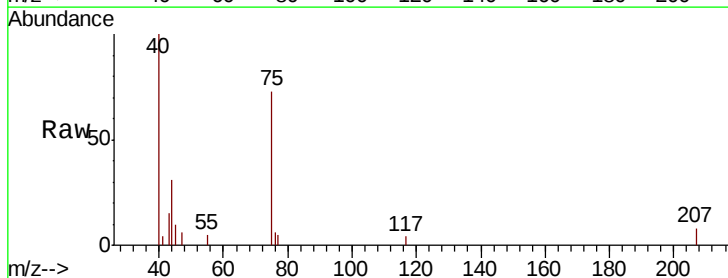
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 1.480 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

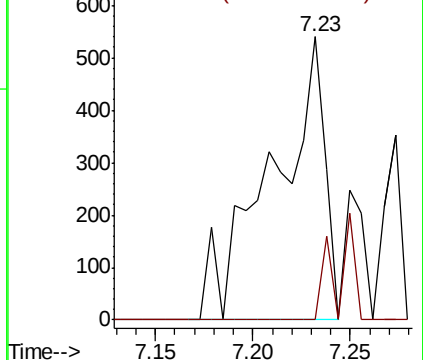
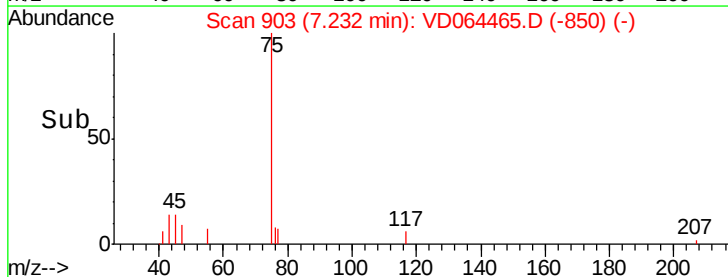
Tgt Ion	43	Resp	1010
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#

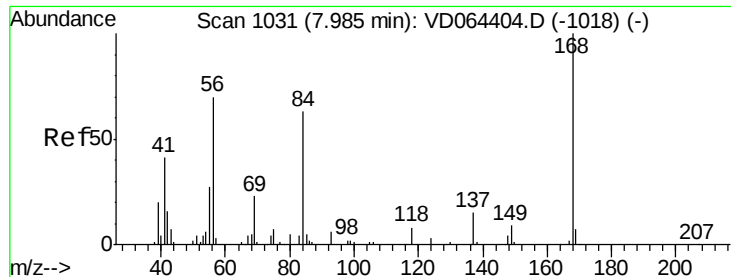


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064465.D

Acq: 06 Dec 2019 18:20

Instrument :

MSVOA_D

ClientSampled :

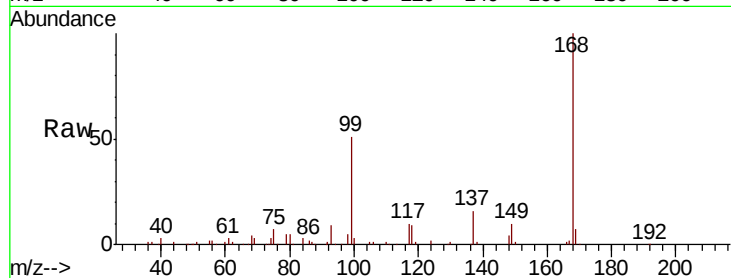
Tot Ion: 56 Resp: 5235

Ion Ratio Lower Upper

56 100

69 152.8 26.2 39.4#

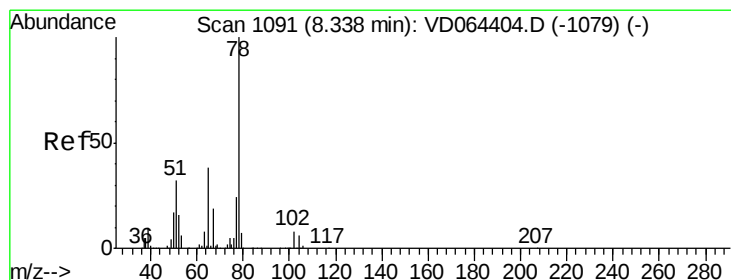
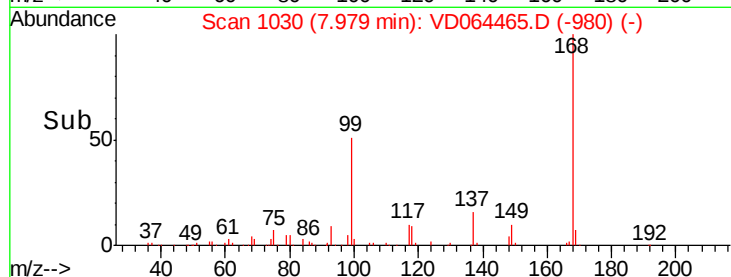
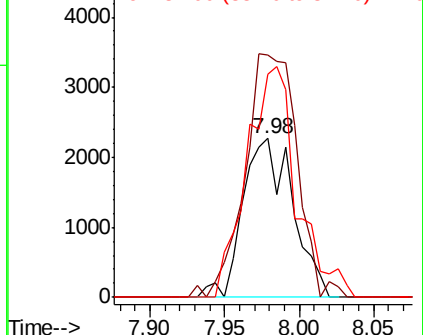
84 141.1 70.3 105.5#



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: 61.293 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064465.D

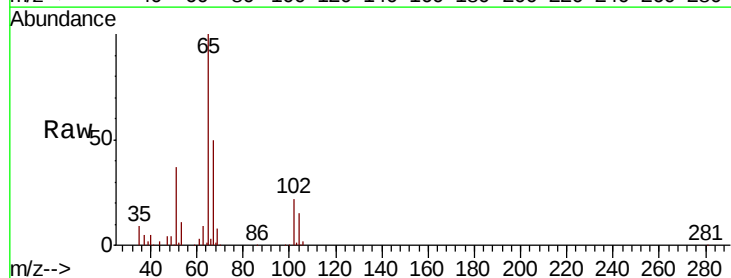
Acq: 06 Dec 2019 18:20

Tgt Ion: 65 Resp: 146409

Ion Ratio Lower Upper

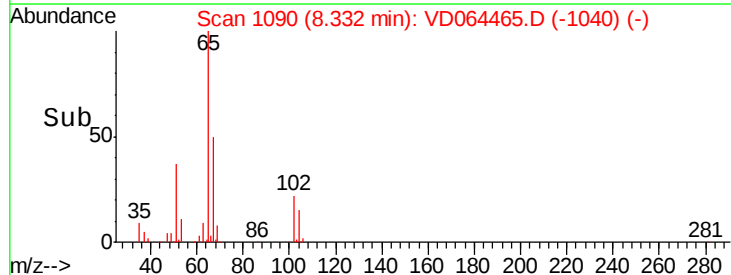
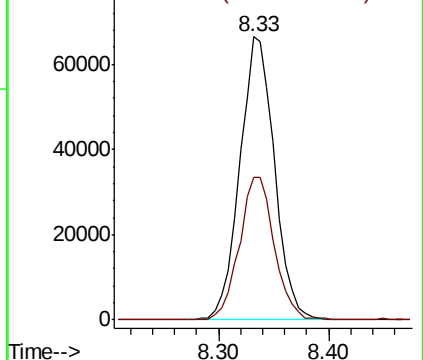
65 100

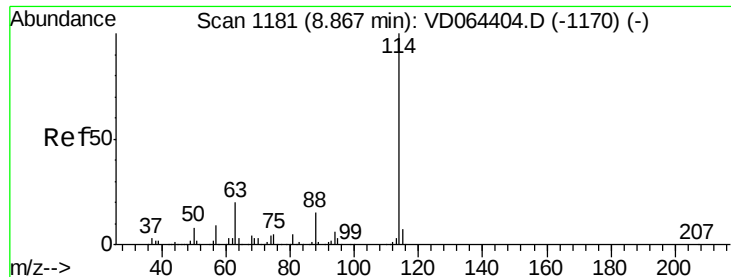
67 50.9 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

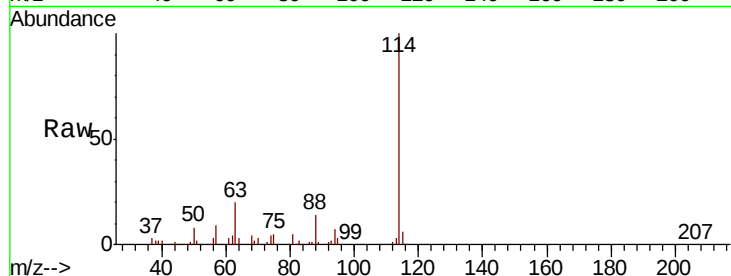




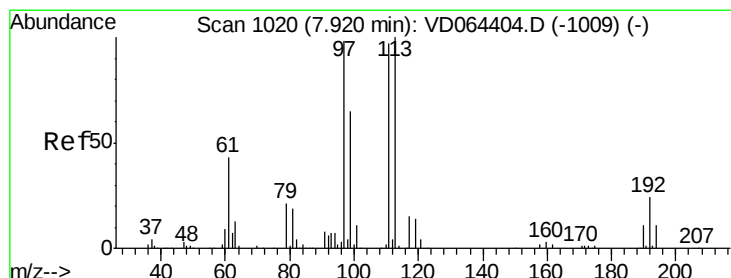
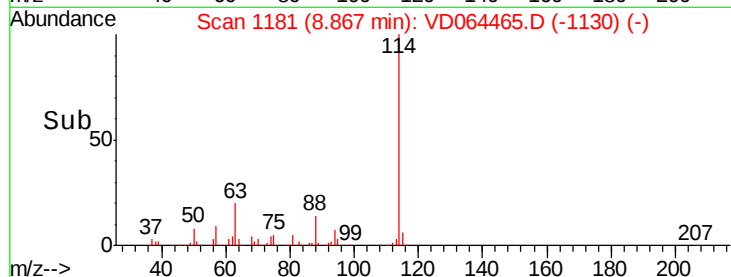
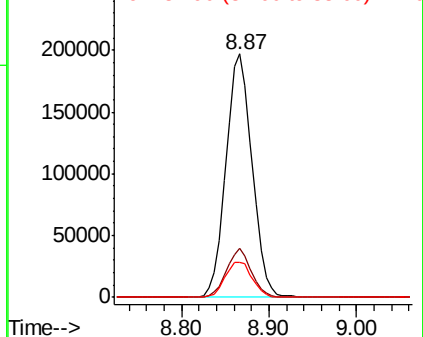
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

Instrument :
MSVOA_D
ClientSampled :

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

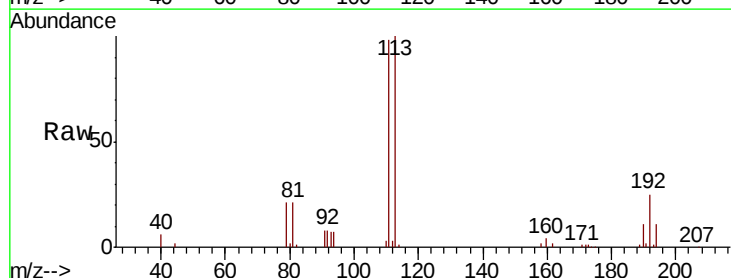


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

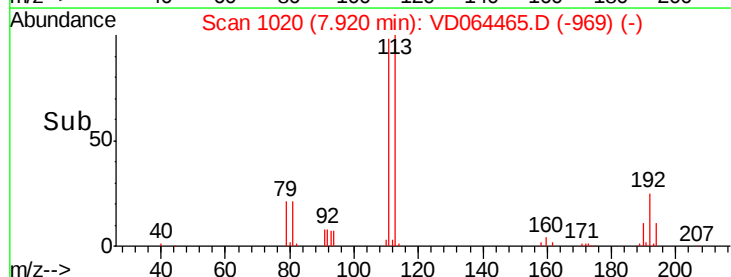
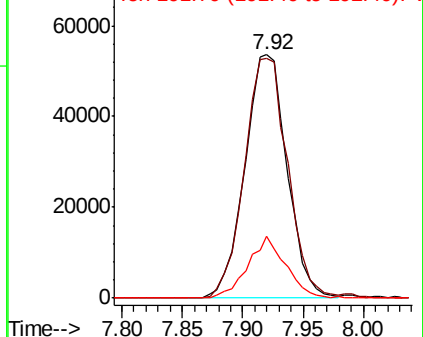


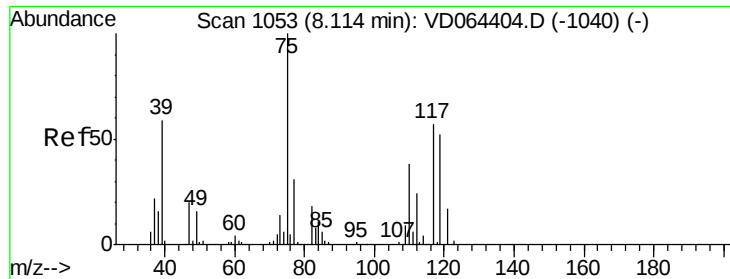
#35
Dibromofluoromethane
Concen: 51.261 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	79.4	119.2
192	22.5	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

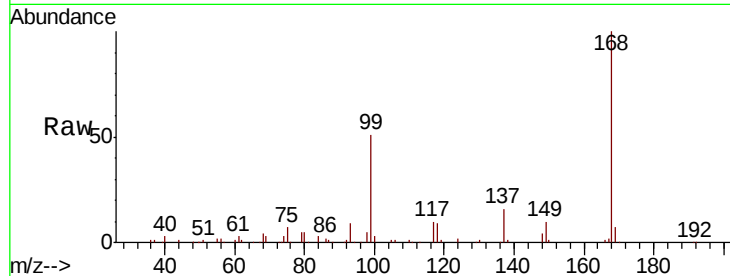




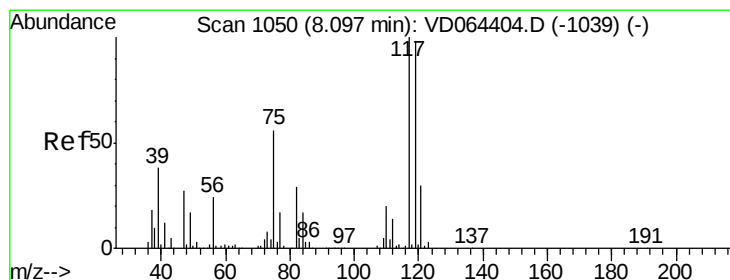
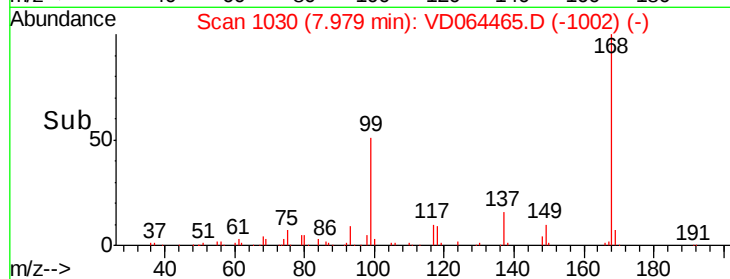
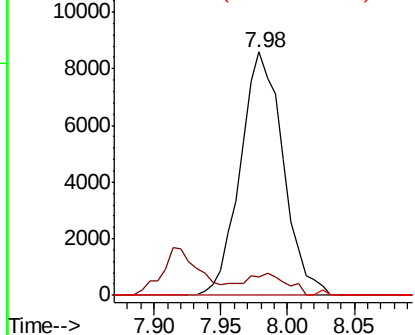
#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064465.D
 Acq: 06 Dec 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 19021
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.6 55.8#
 77 0.0 25.0 37.4#

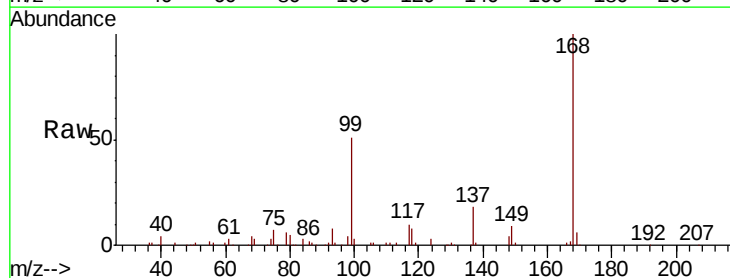


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

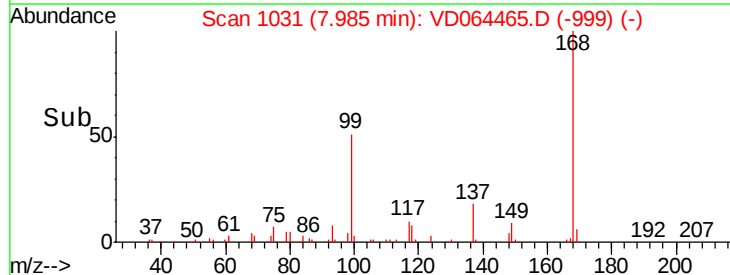
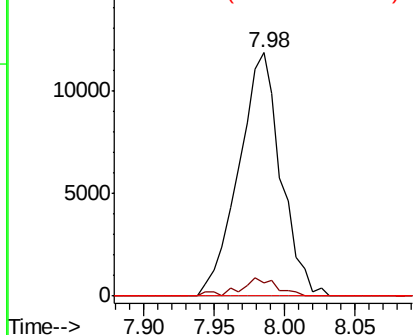


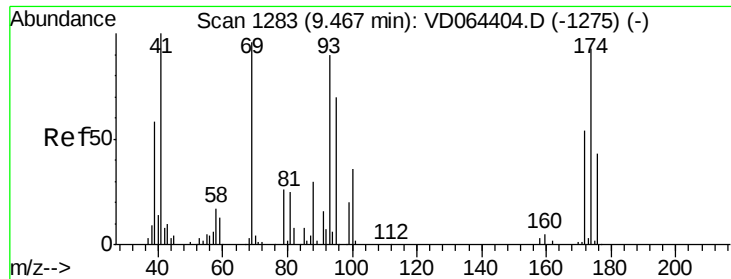
#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064465.D
 Acq: 06 Dec 2019 18:20

Tgt Ion: 117 Resp: 24726
 Ion Ratio Lower Upper
 117 100
 119 5.5 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

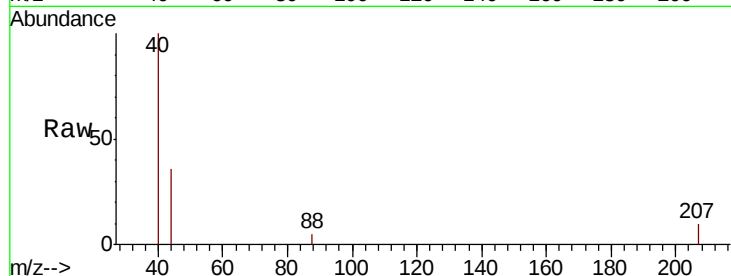




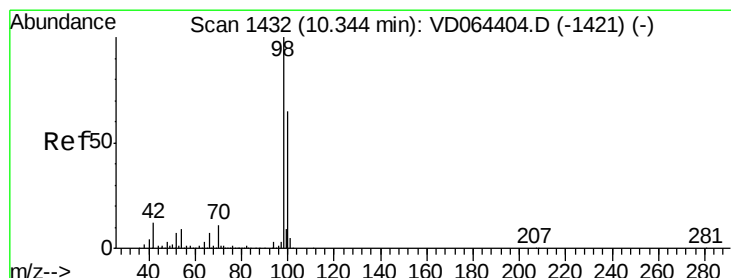
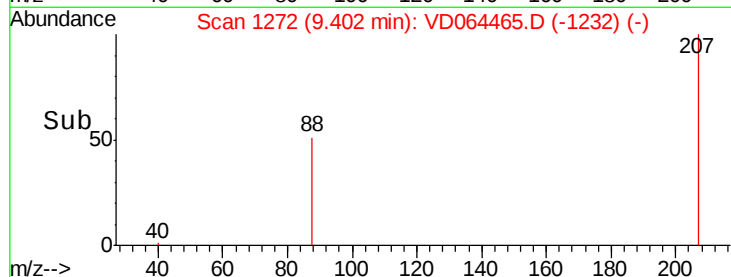
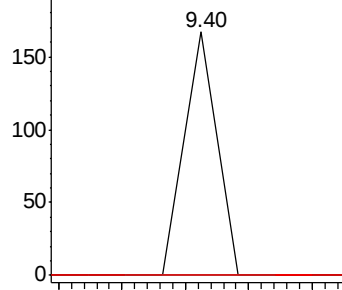
#49
1,4-Dioxane
Concen: 3.346 ug/l
RT: 9.40 min Scan# 1272
Delta R.T. -0.06 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 26.7 40.1#
58 0.0 52.3 78.5#

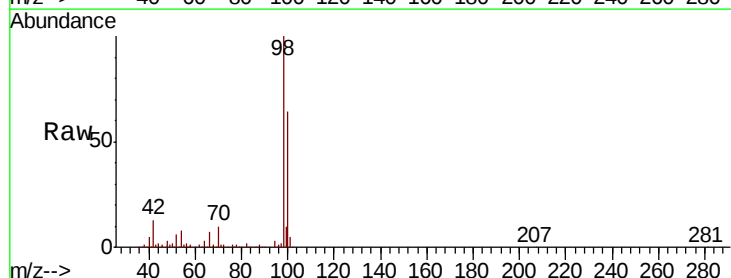


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

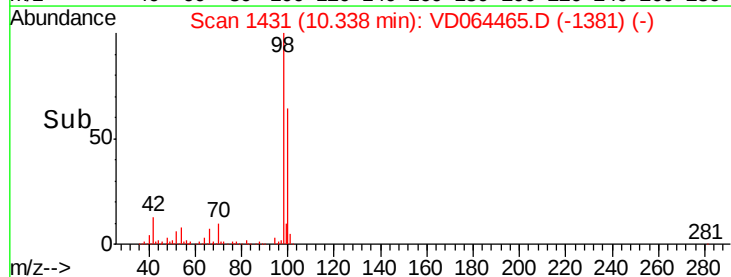
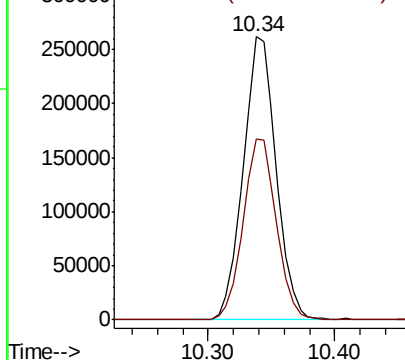


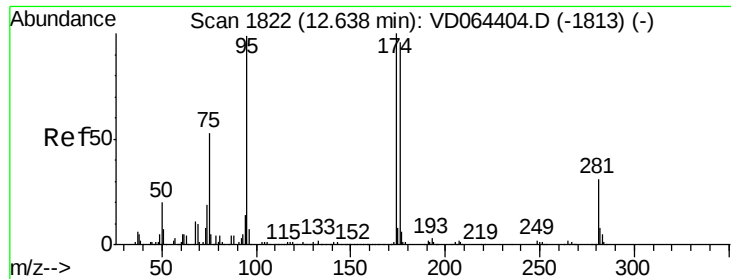
#50
Toluene-d8
Concen: 49.514 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

Tgt Ion: 98 Resp: 473187
Ion Ratio Lower Upper
98 100
100 64.7 52.6 79.0



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





#62

4-Bromofluorobenzene

Concen: 55.770 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064465.D

Acq: 06 Dec 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

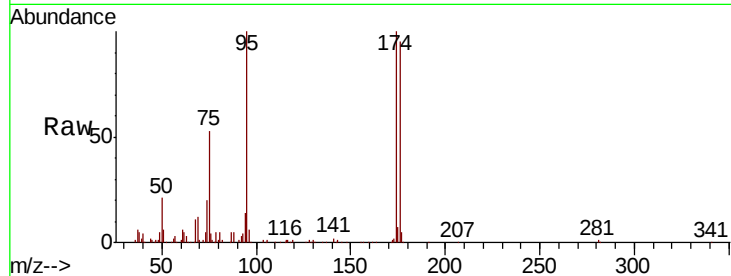
Tot Ion: 95 Resp: 171282

Ion Ratio Lower Upper

95 100

174 98.0 0.0 197.2

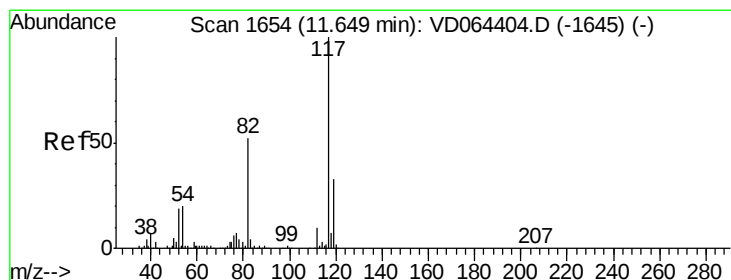
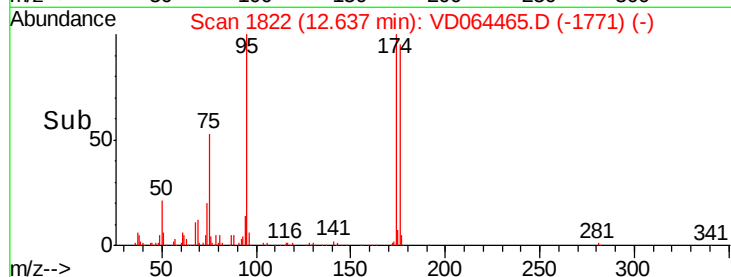
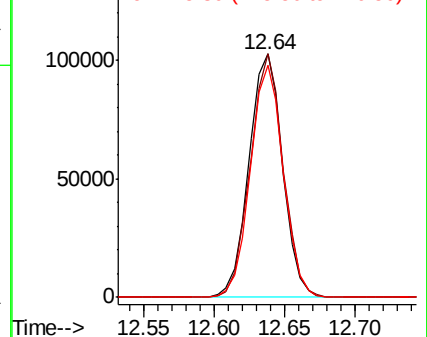
176 93.8 0.0 189.6



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: VD064465.D

Acq: 06 Dec 2019 18:20

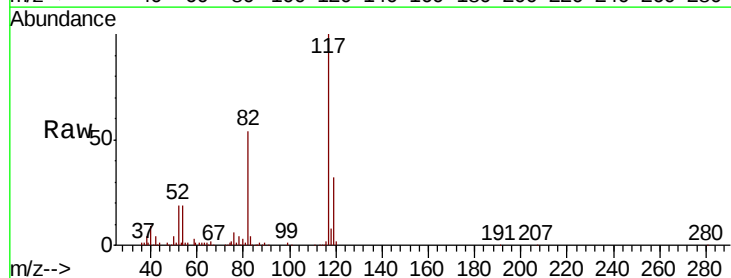
Tgt Ion: 117 Resp: 397254

Ion Ratio Lower Upper

117 100

82 53.6 41.4 62.2

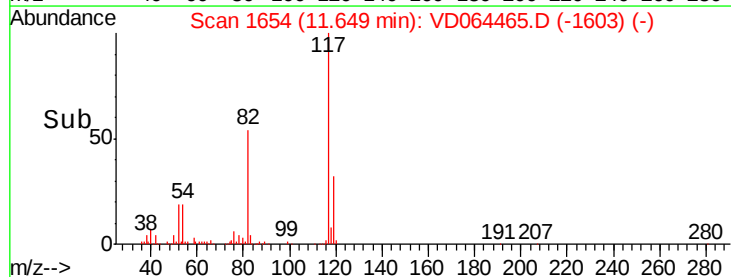
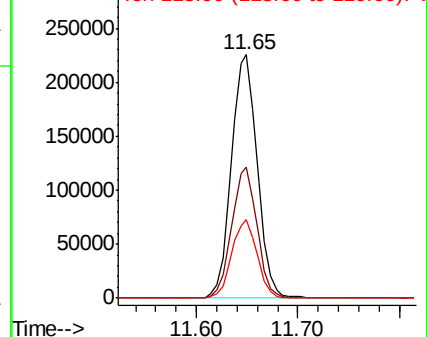
119 32.3 26.2 39.2

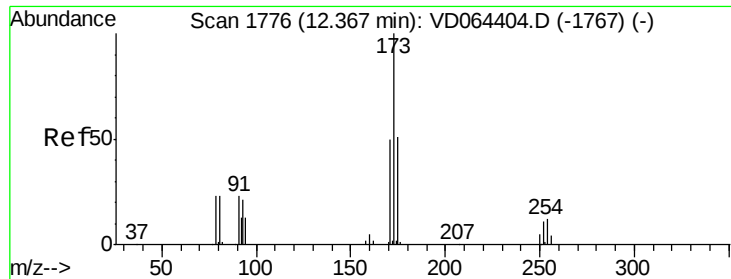


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

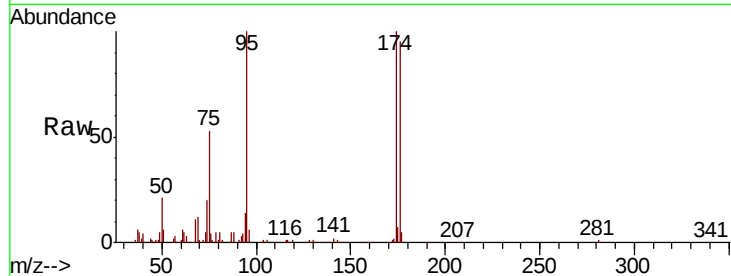




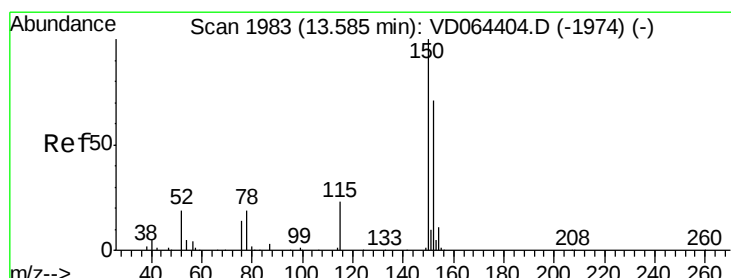
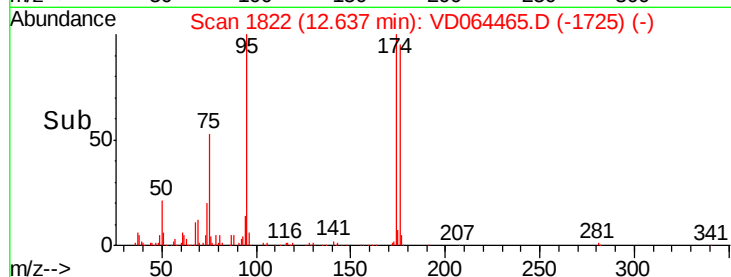
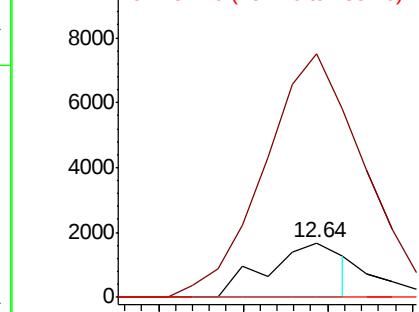
#71
Bromoform
Concen: 1.151 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 2112
Ion Ratio Lower Upper
173 100
175 462.5 25.3 75.8#
254 0.0 0.0 0.0

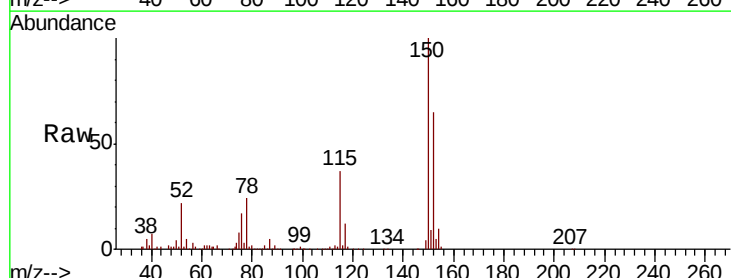


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

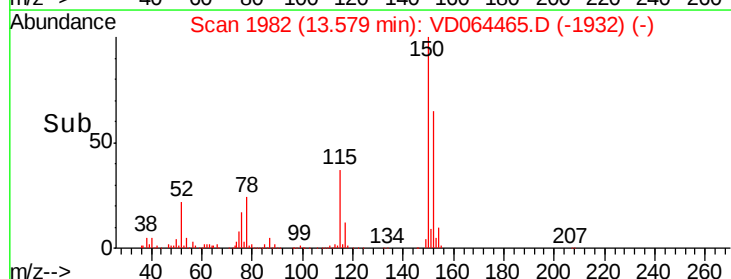
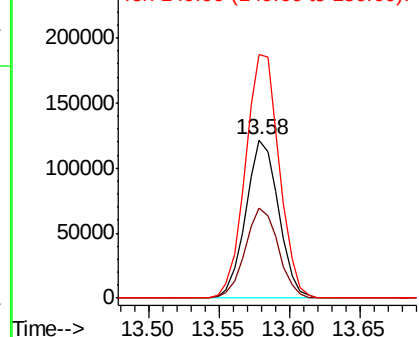


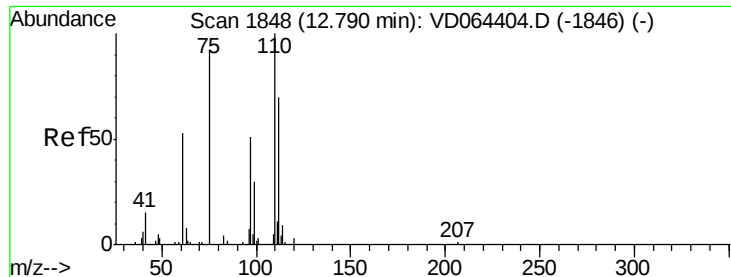
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064465.D
Acq: 06 Dec 2019 18:20

Tgt Ion:152 Resp: 198127
Ion Ratio Lower Upper
152 100
115 57.6 26.7 80.1
150 158.9 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: 55.460 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064465.D

Acq: 06 Dec 2019 18:20

Instrument :

MSVOA_D

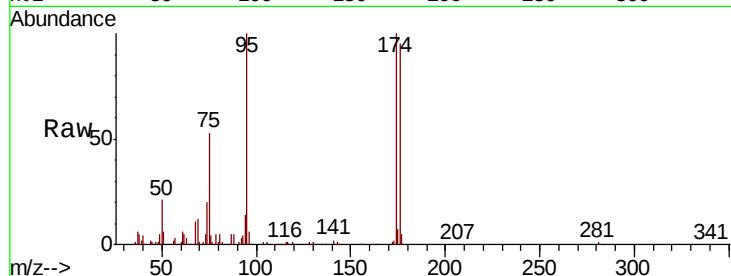
ClientSampleId :

Tot Ion: 75 Resp: 90362

Ion Ratio Lower Upper

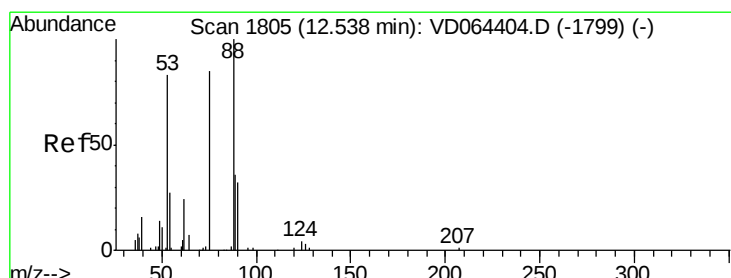
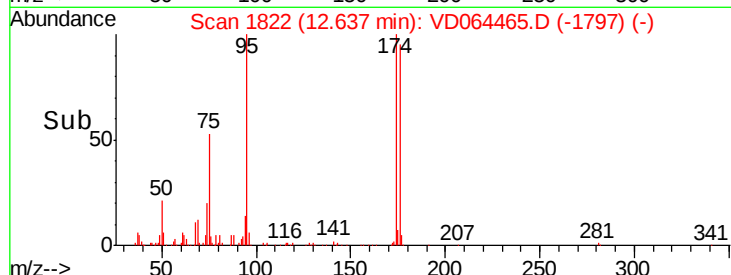
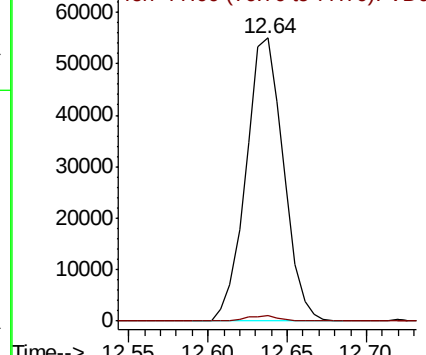
75 100

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: 120.931 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064465.D

Acq: 06 Dec 2019 18:20

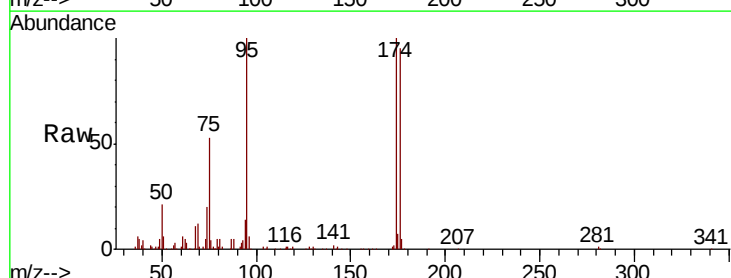
Tgt Ion: 75 Resp: 90362

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

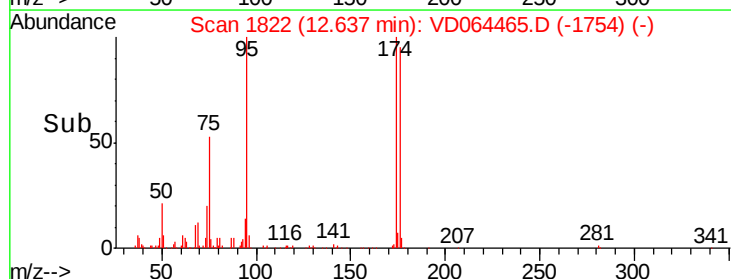
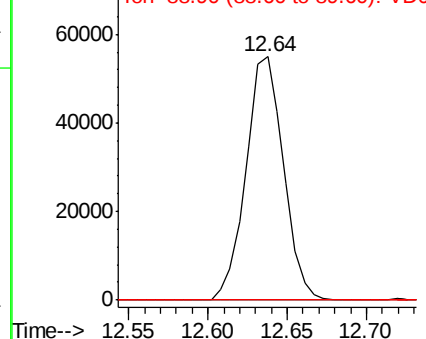
89 0.0 38.5 57.7#

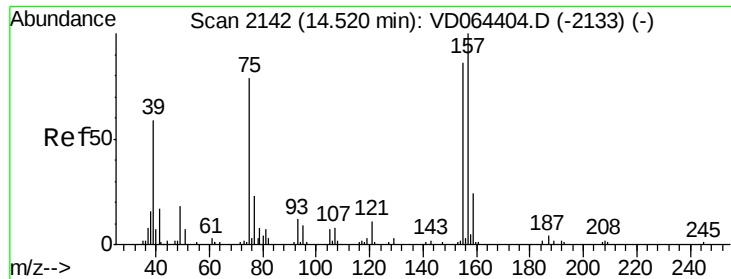


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.50 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VD064465.D

Acq: 06 Dec 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

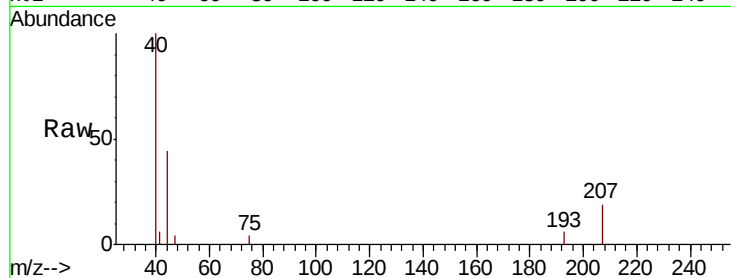
Tot Ion: 75 Resp: 54

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

