

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064417.D
 Acq On : 04 Dec 2019 15:21
 Operator : VA/SY
 Sample : K6119-04RE
 Misc : 4.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:49:42 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	552914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	883507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	820432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	399219	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	265862	53.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.24%	
35) Dibromofluoromethane	7.92	113	277606	49.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.74%	
50) Toluene-d8	10.34	98	1058161	50.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.64	95	354469	52.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.20%	

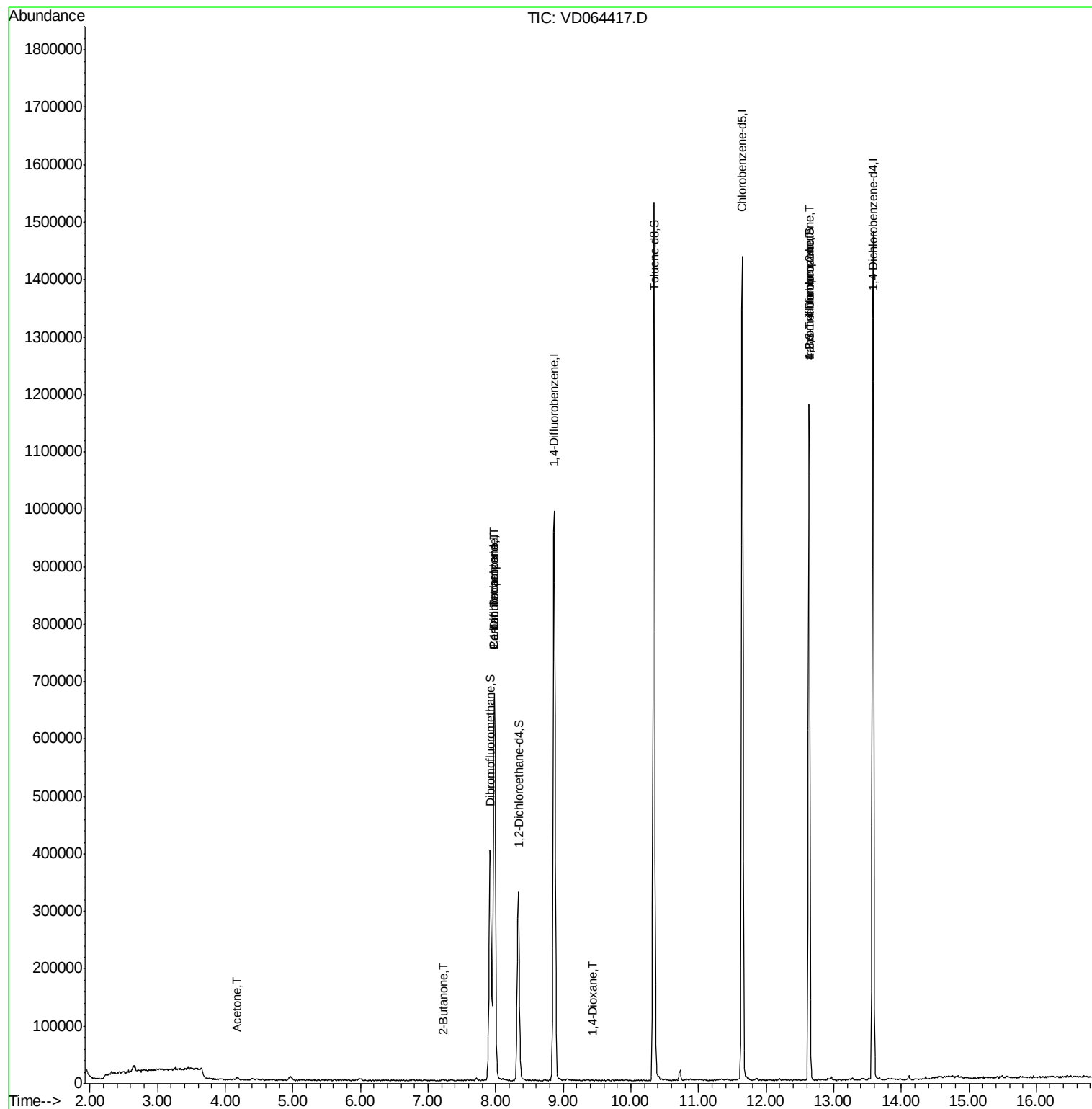
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	7118	7.038	ug/l	99
20) Methylene Chloride	4.97	84	4649	Below Cal	#	67
25) 2-Butanone	7.23	43	1561	1.091	ug/l #	49
31) Cyclohexane	7.98	56	11414	Below Cal	#	20
36) 1,1-Dichloropropene	7.98	75	37078	4.437	ug/l #	48
38) Carbon Tetrachloride	7.98	117	51499	5.839	ug/l #	14
49) 1,4-Dioxane	9.44	88	65	1.680	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	183289	55.829	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	183289	121.736	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	69	Below Cal	#	1

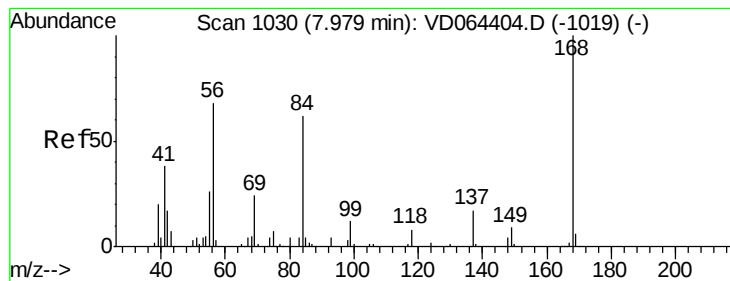
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064417.D

Acq: 04 Dec 2019 15:21

Instrument :

MSVOA_D

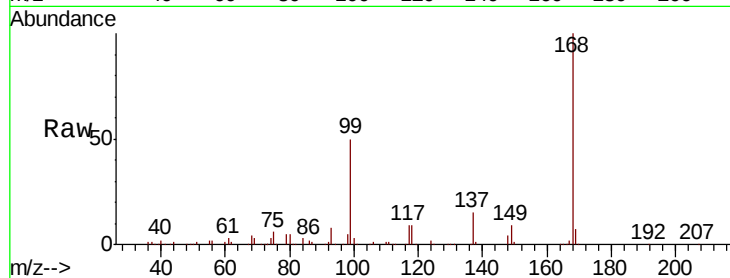
ClientSampleId :

Tot Ion:168 Resp: 552914

Ion Ratio Lower Upper

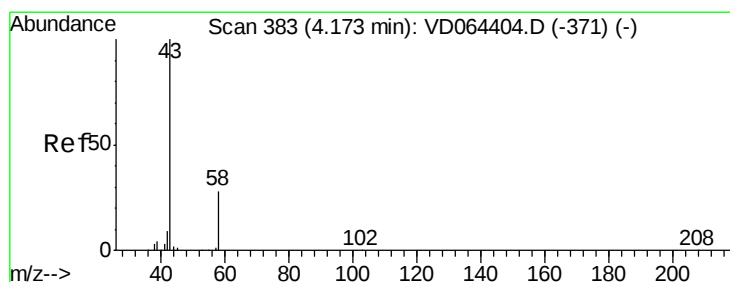
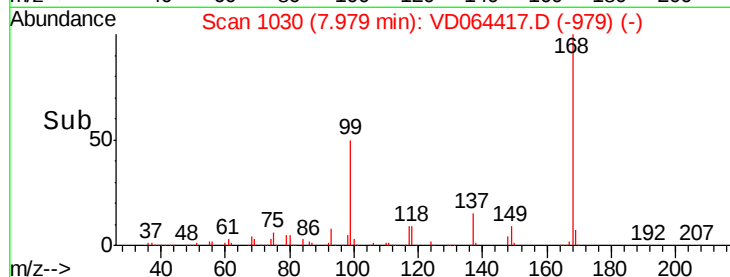
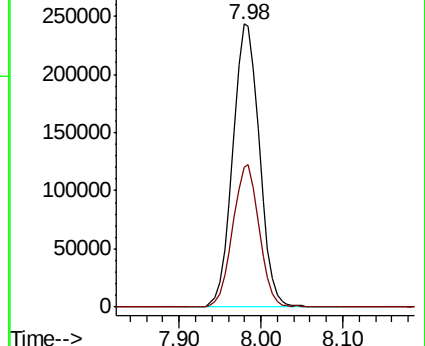
168 100

99 49.6 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: 7.038 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064417.D

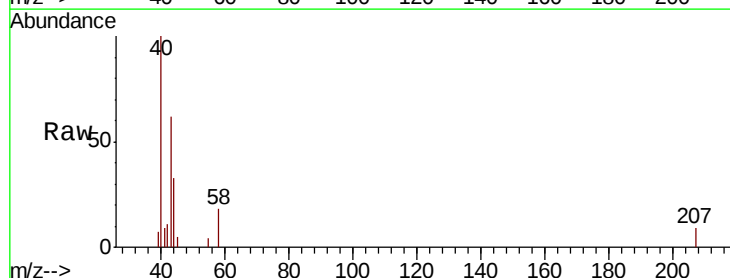
Acq: 04 Dec 2019 15:21

Tgt Ion: 43 Resp: 7118

Ion Ratio Lower Upper

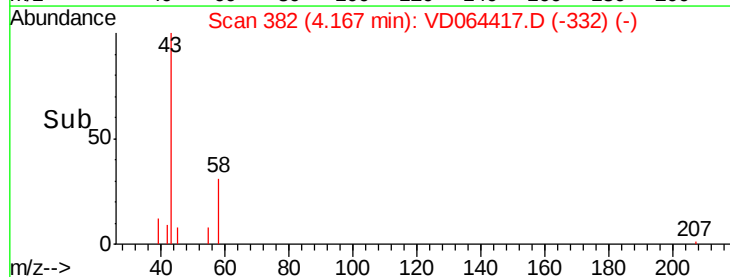
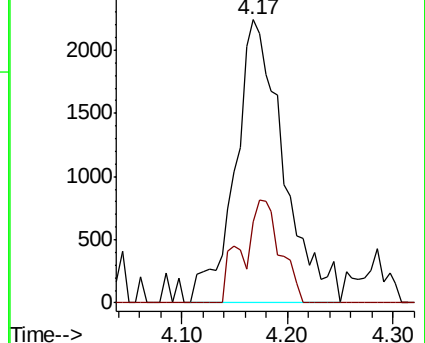
43 100

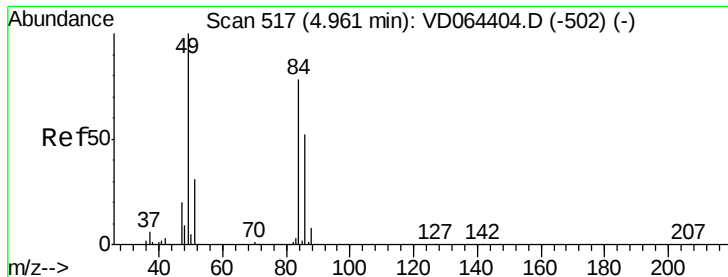
58 28.8 22.6 33.8



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: 4.97 min Scan# 518

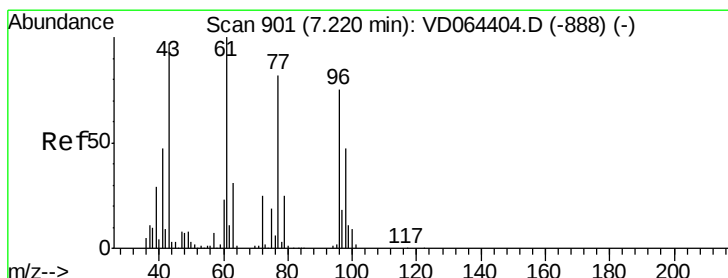
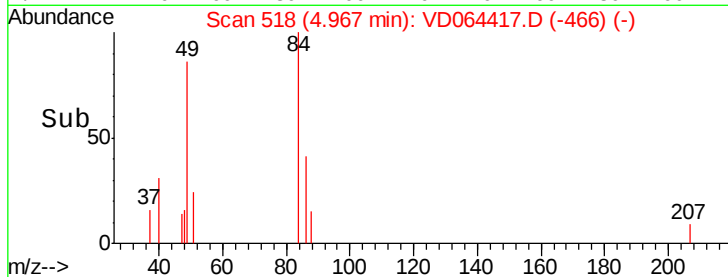
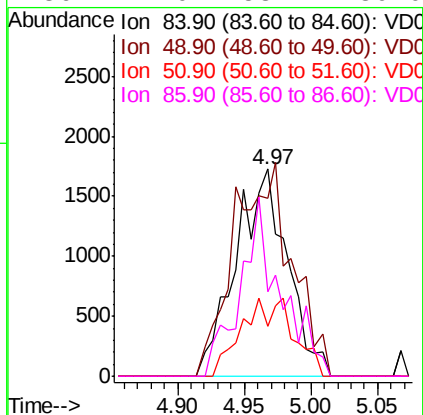
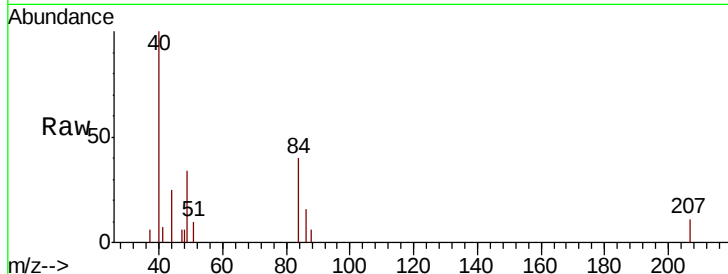
Delta R.T. 0.01 min

Lab File: VD064417.D

Acq: 04 Dec 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	4649
Ion	Ratio	Lower	Upper
84	100		
49	86.0	102.6	153.8#
51	24.3	32.0	48.0#
86	41.0	53.4	80.0#



#25

2-Butanone

Concen: 1.091 ug/l

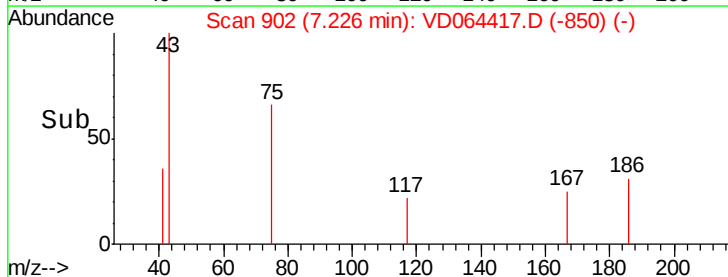
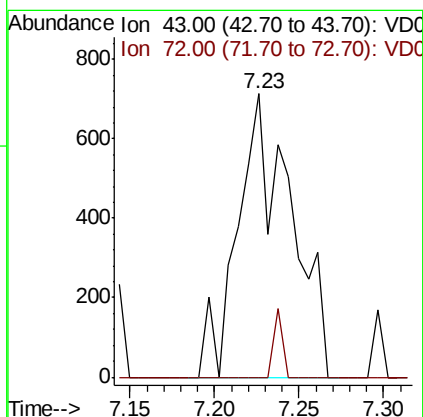
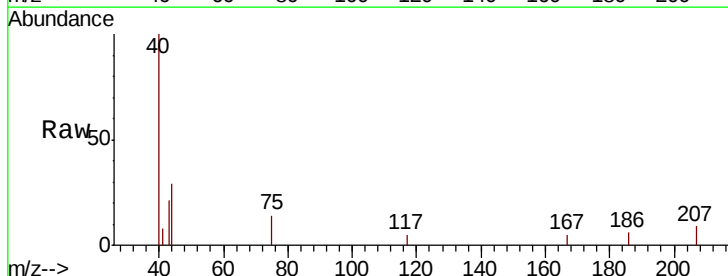
RT: 7.23 min Scan# 902

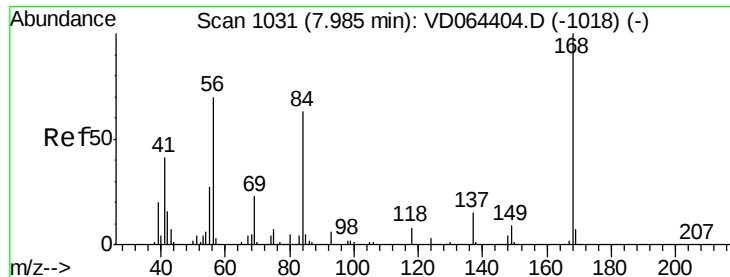
Delta R.T. 0.01 min

Lab File: VD064417.D

Acq: 04 Dec 2019 15:21

Tgt Ion:	43	Resp:	1561
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.4#

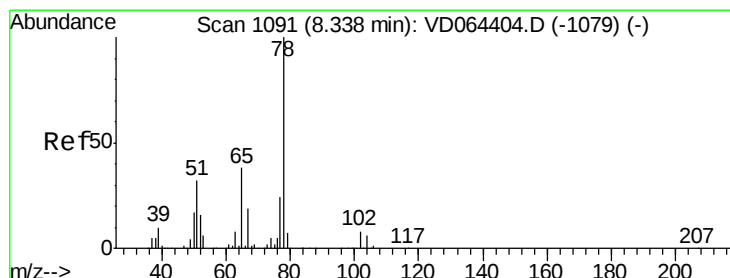
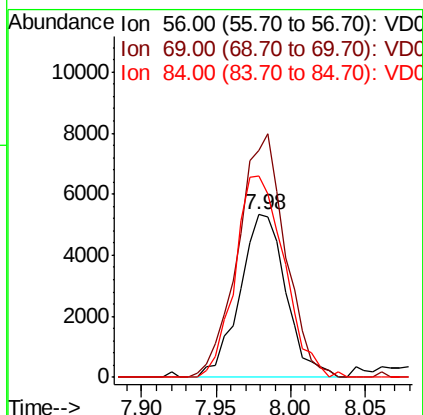
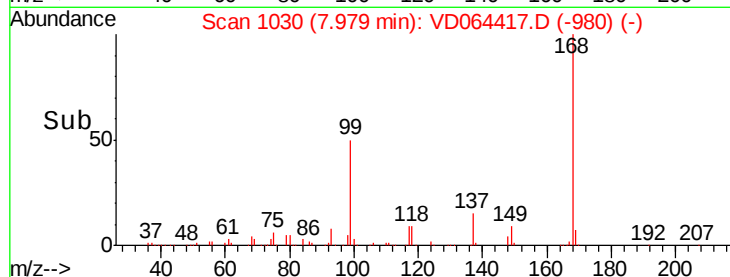
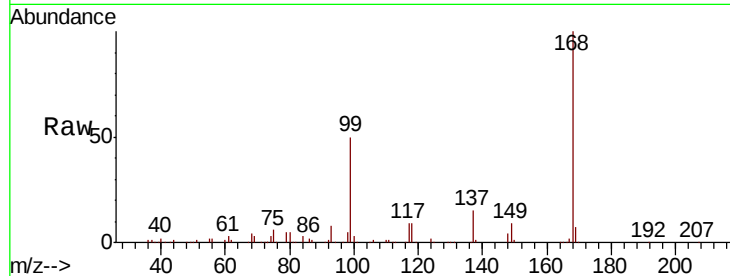




#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064417.D
Acq: 04 Dec 2019 15:21

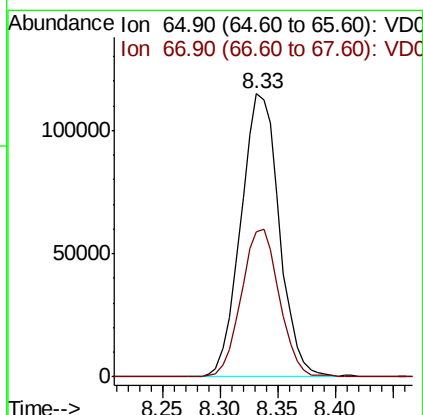
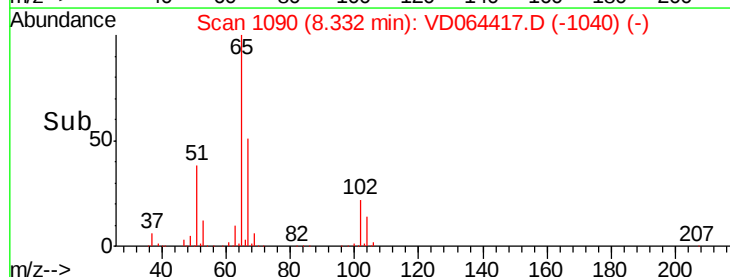
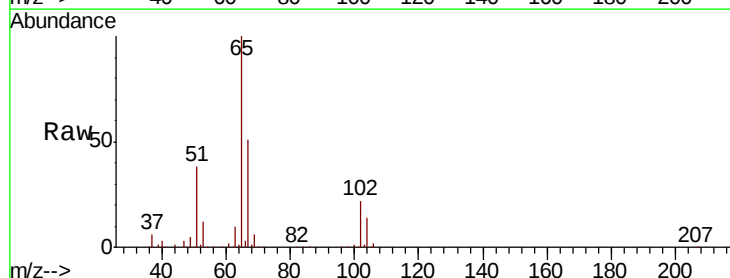
Instrument :
MSVOA_D
ClientSampleId :

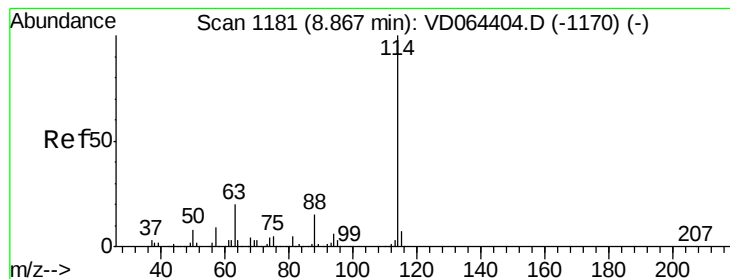
Tot Ion: 56 Resp: 11414
Ion Ratio Lower Upper
56 100
69 139.6 26.2 39.4#
84 124.1 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 53.123 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064417.D
Acq: 04 Dec 2019 15:21

Tgt Ion: 65 Resp: 265862
Ion Ratio Lower Upper
65 100
67 51.7 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: VD064417.D

Acq: 04 Dec 2019 15:21

Instrument :

MSVOA_D

ClientSampled :

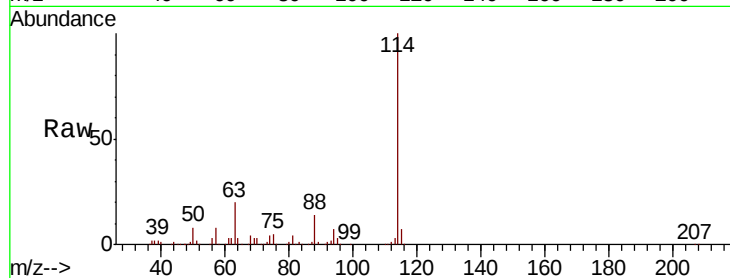
Tot Ion:114 Resp: 883507

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

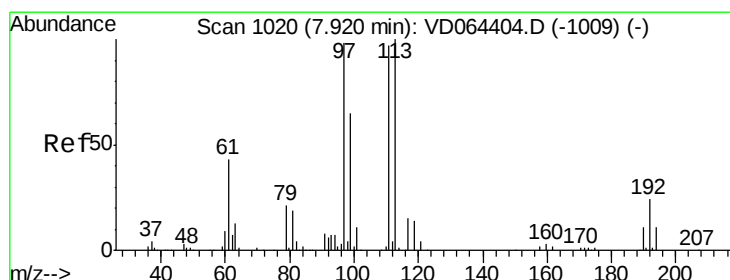
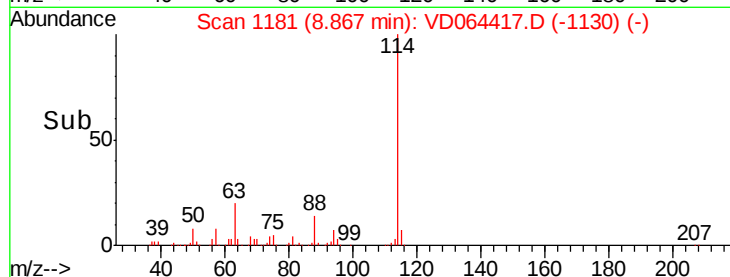
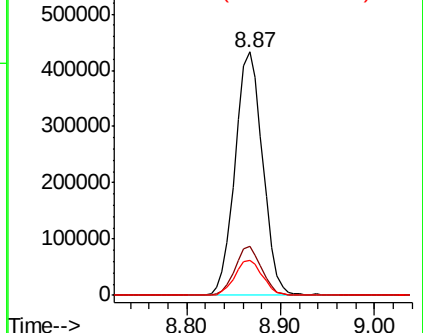
88 14.2 0.0 29.2



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: 49.870 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064417.D

Acq: 04 Dec 2019 15:21

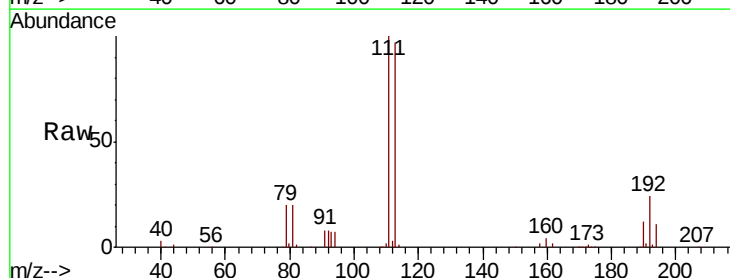
Tgt Ion:113 Resp: 277606

Ion Ratio Lower Upper

113 100

111 103.6 79.4 119.2

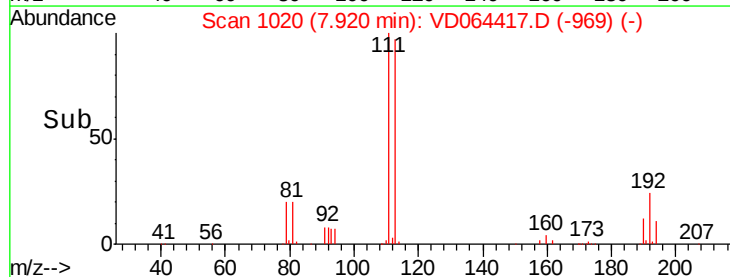
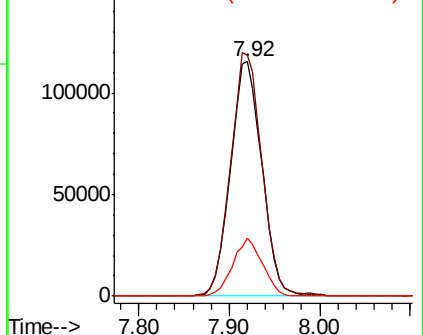
192 23.4 18.6 28.0

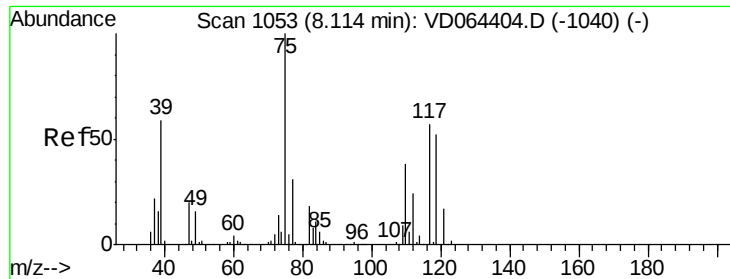


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

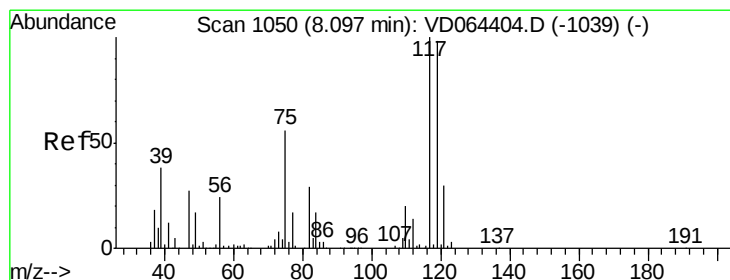
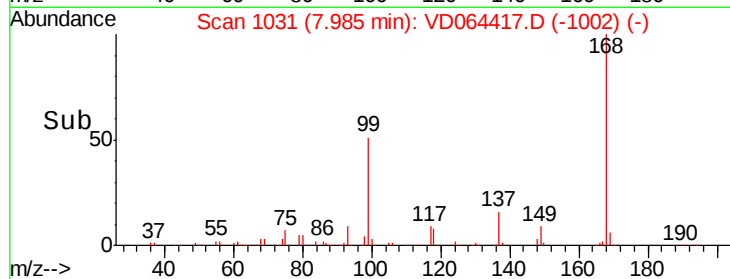
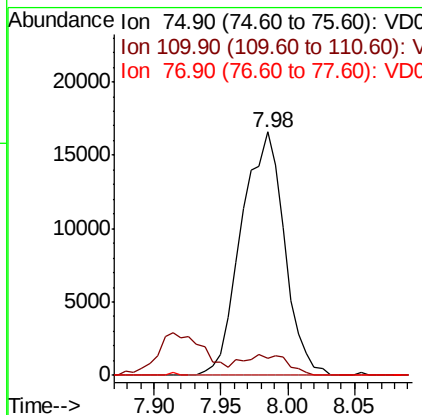
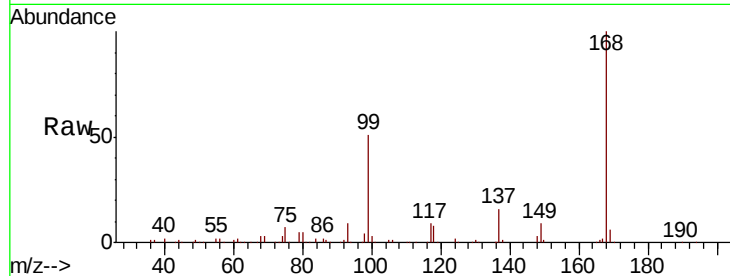




#36
 1,1-Dichloropropene
 Concen: 4.437 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064417.D
 Acq: 04 Dec 2019 15:21

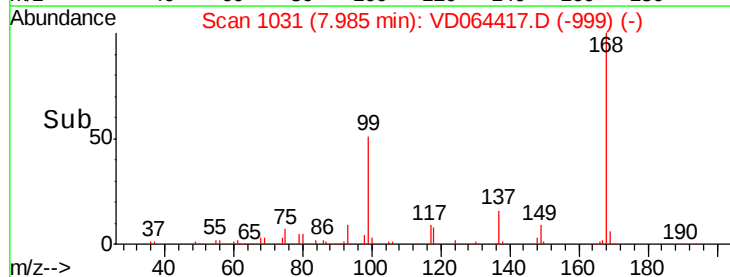
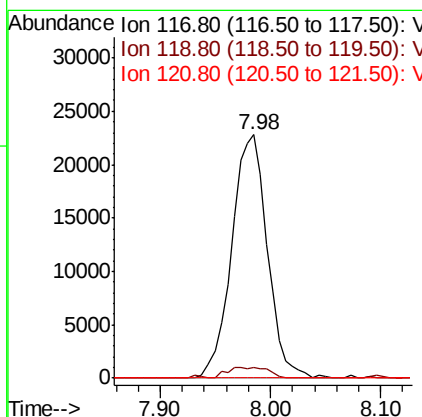
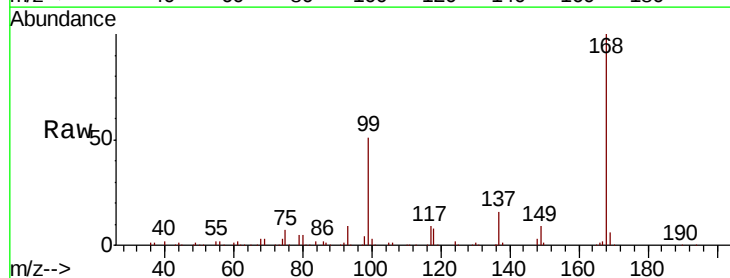
Instrument :
 MSVOA_D
 ClientSampled :

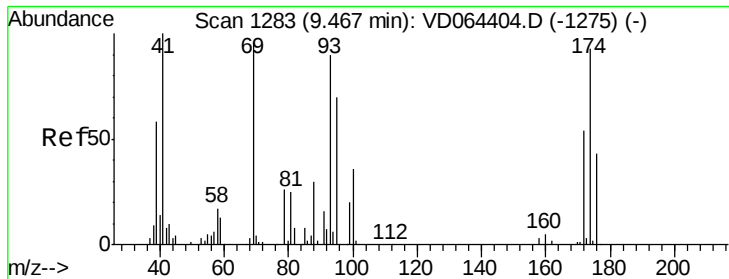
Tot Ion: 75 Resp: 37078
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.6 55.8#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.839 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064417.D
 Acq: 04 Dec 2019 15:21

Tgt Ion: 117 Resp: 51499
 Ion Ratio Lower Upper
 117 100
 119 4.2 78.8 118.2#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 1.680 ug/l

RT: 9.44 min Scan# 1278

Delta R.T. -0.03 min

Lab File: VD064417.D

Acq: 04 Dec 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

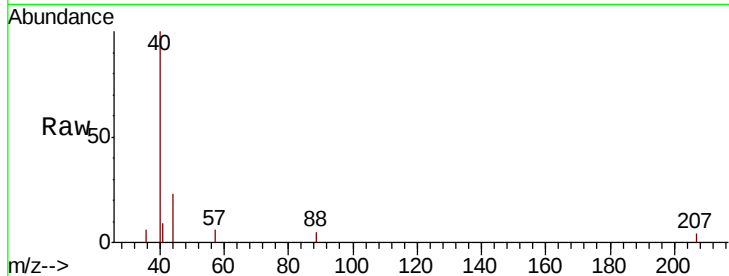
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

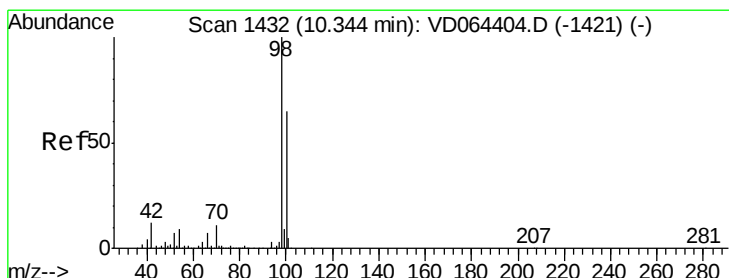
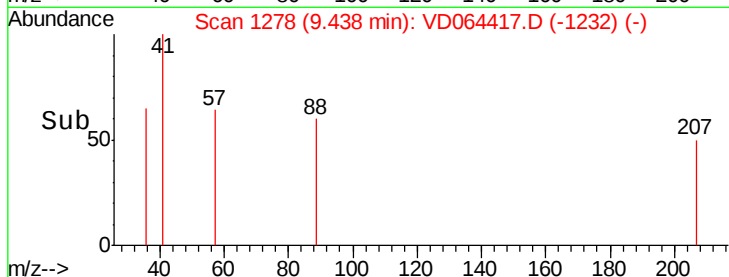
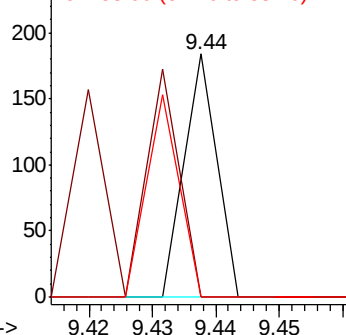
88 100

43 178.5 26.7 40.1#

58 83.1 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: 50.464 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064417.D

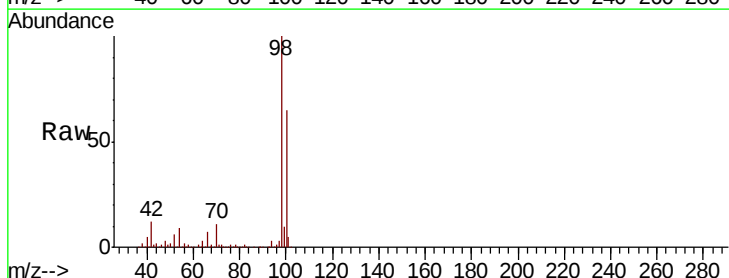
Acq: 04 Dec 2019 15:21

Tgt Ion: 98 Resp: 1058161

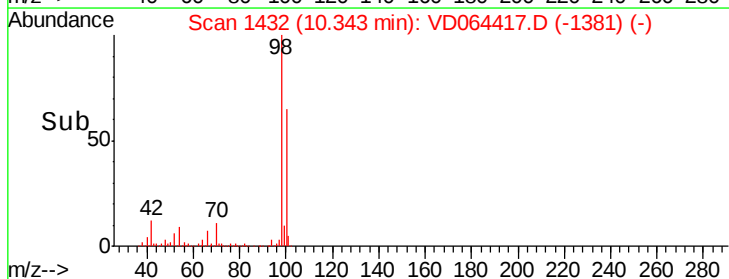
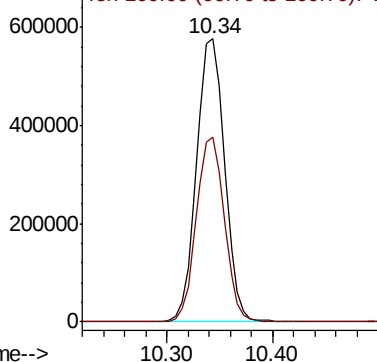
Ion Ratio Lower Upper

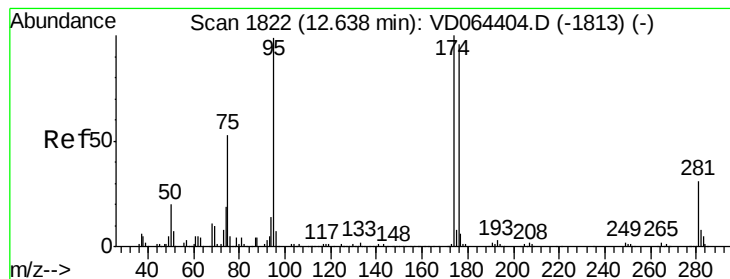
98 100

100 65.3 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: 52.602 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064417.D

Acq: 04 Dec 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

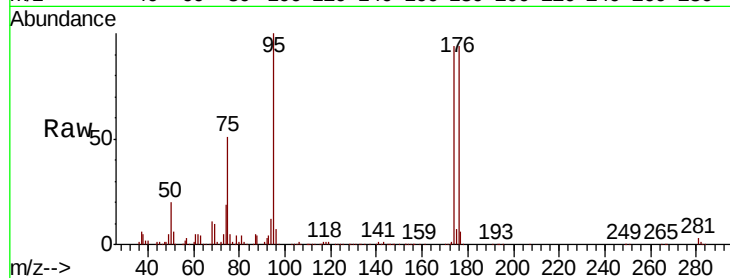
Tot Ion: 95 Resp: 354469

Ion Ratio Lower Upper

95 100

174 95.2 0.0 197.2

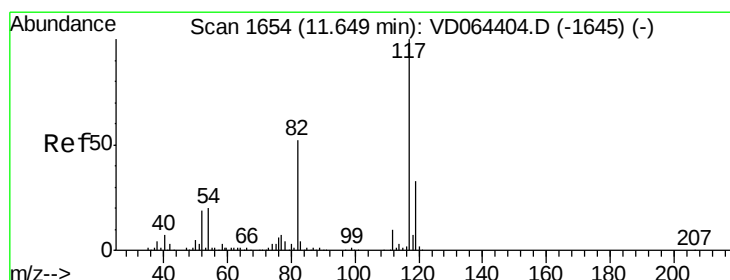
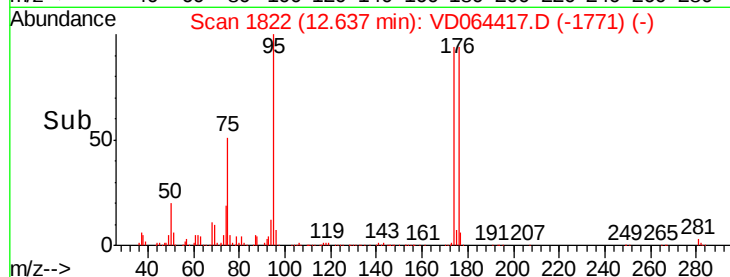
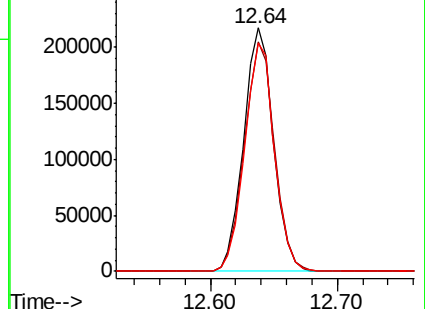
176 93.4 0.0 189.6



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: VD064417.D

Acq: 04 Dec 2019 15:21

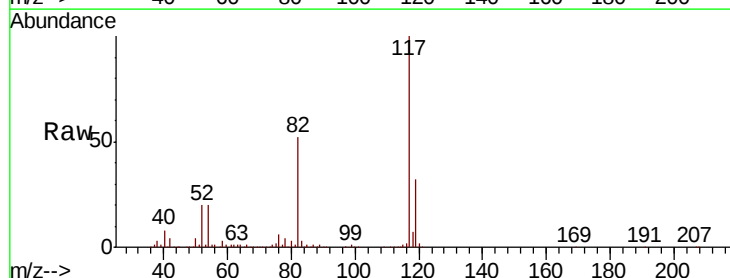
Tgt Ion: 117 Resp: 820432

Ion Ratio Lower Upper

117 100

82 52.3 41.4 62.2

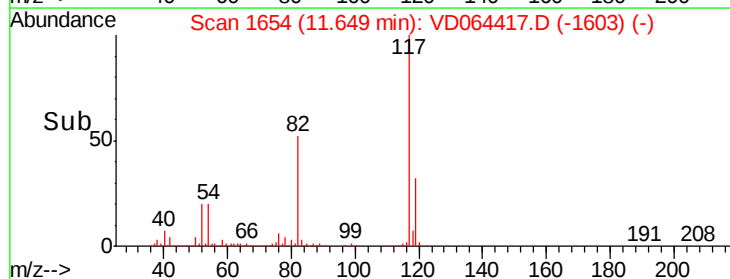
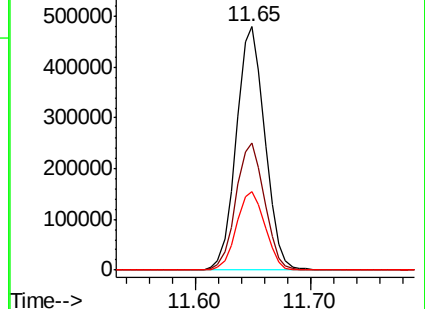
119 31.9 26.2 39.2

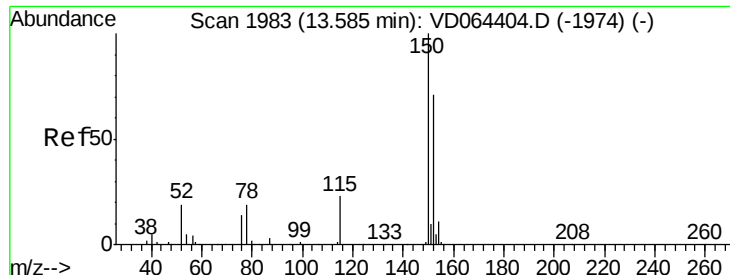


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064417.D

Acq: 04 Dec 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

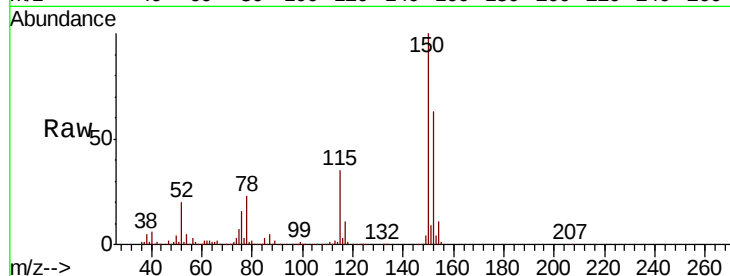
Tot Ion:152 Resp: 399219

Ion Ratio Lower Upper

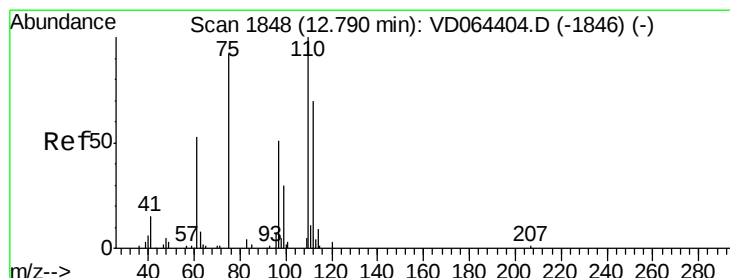
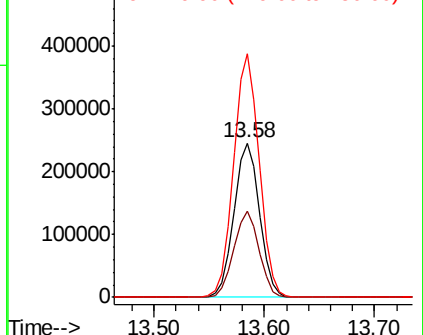
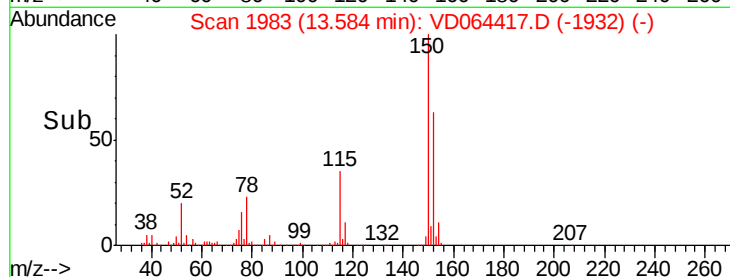
152 100

115 55.2 26.7 80.1

150 157.6 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: 55.829 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064417.D

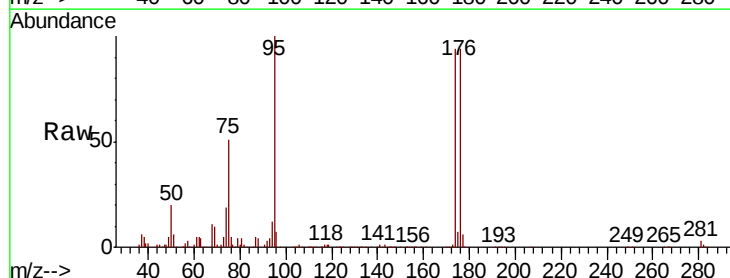
Acq: 04 Dec 2019 15:21

Tgt Ion: 75 Resp: 183289

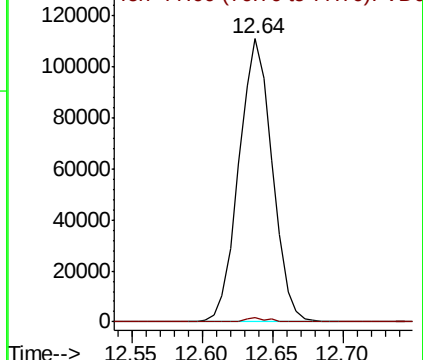
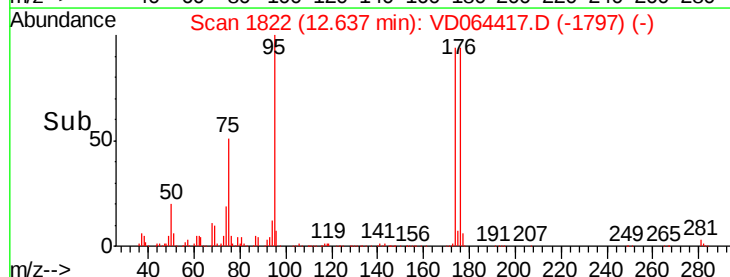
Ion Ratio Lower Upper

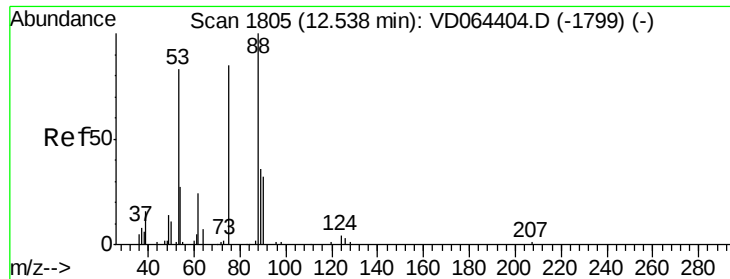
75 100

77 1.2 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: 121.736 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064417.D

Acq: 04 Dec 2019 15:21

Instrument :

MSVOA_D

ClientSampled :

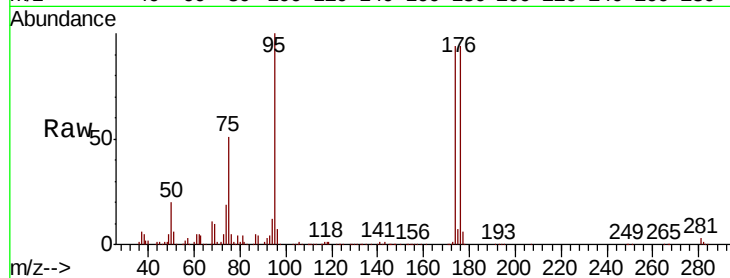
Tot Ion: 75 Resp: 183289

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

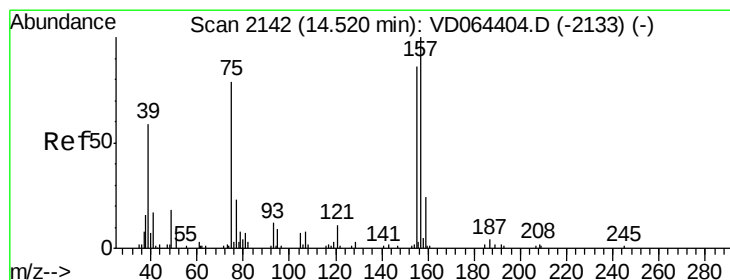
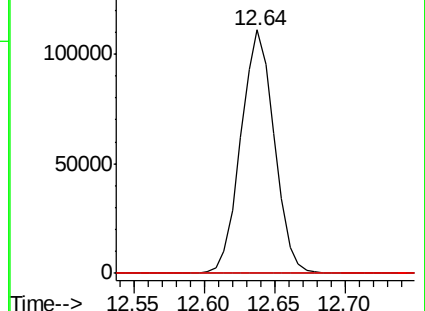
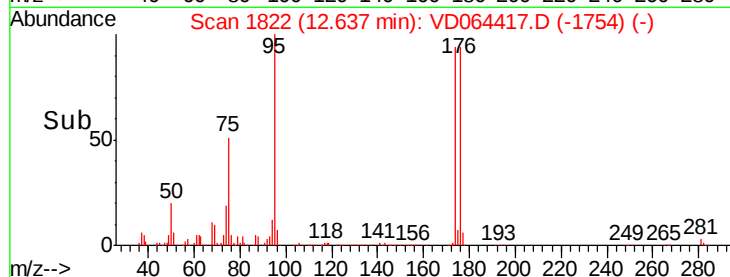
89 0.0 38.5 57.7#



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: VD064417.D

Acq: 04 Dec 2019 15:21

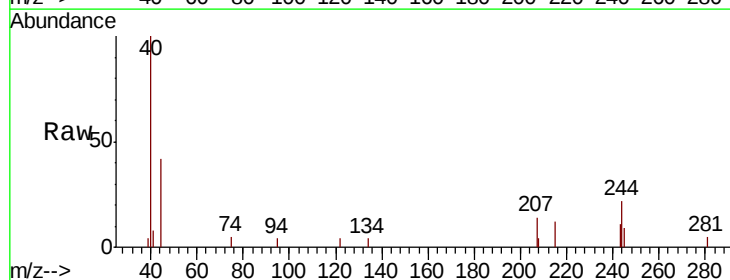
Tgt Ion: 75 Resp: 69

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

