

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064445.D
 Acq On : 05 Dec 2019 19:26
 Operator : VA/SY
 Sample : K6177-09
 Misc : 6.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:57:06 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	758920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1109269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1037088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	510462	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	306133	44.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.14%	
35) Dibromofluoromethane	7.91	113	332909	47.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.26%	
50) Toluene-d8	10.34	98	1323721	50.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.64	95	451518	53.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.74%	

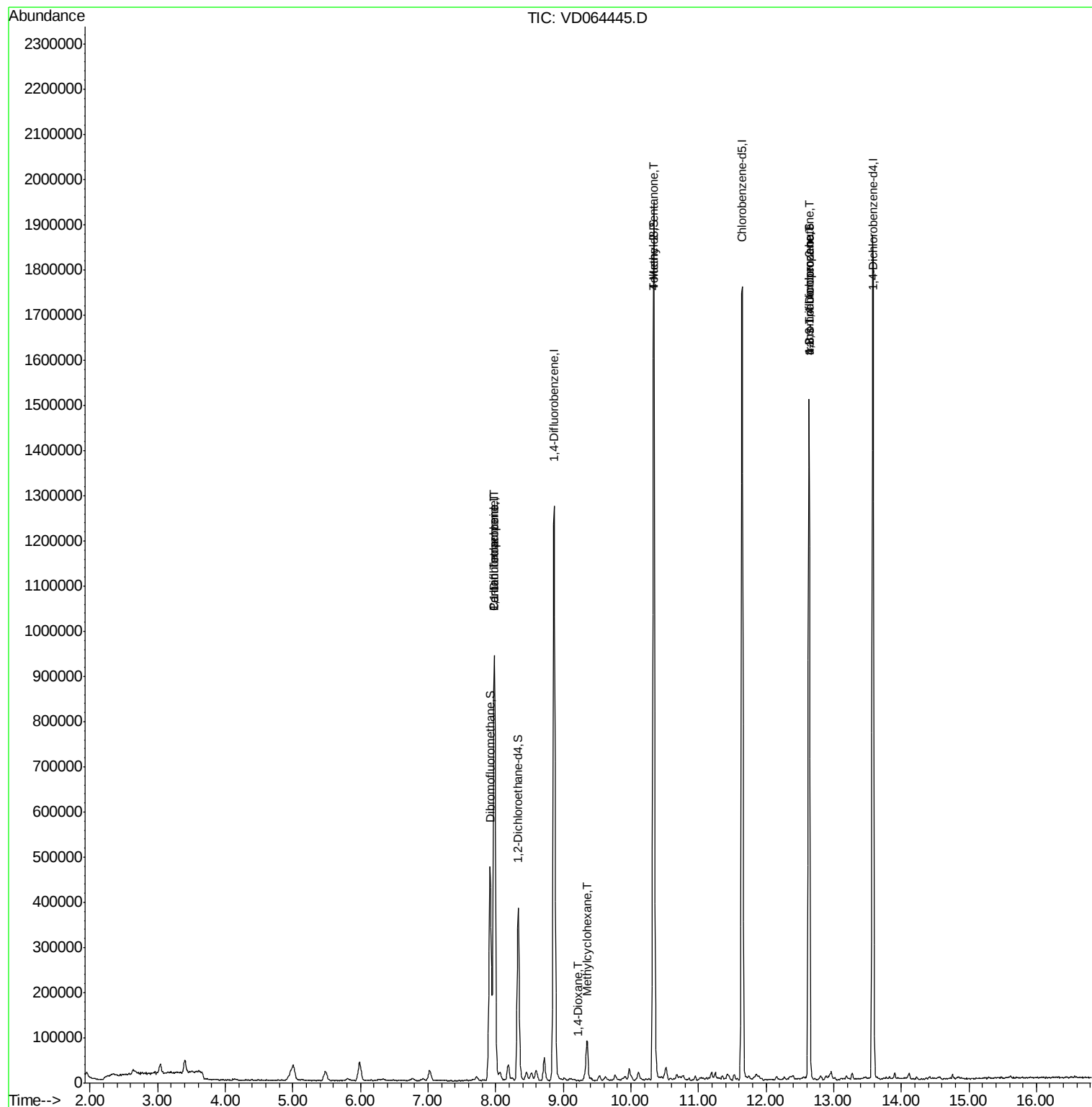
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.97	84	6989	Below Cal		95
31) Cyclohexane	7.98	56	29242	Below Cal	#	40
36) 1,1-Dichloropropene	7.98	75	51873	4.944	ug/l #	49
38) Carbon Tetrachloride	7.98	117	69883	6.311	ug/l #	14
39) Methylcyclohexane	9.35	83	38580	2.964	ug/l	94
49) 1,4-Dioxane	9.22	88	66	1.359	ug/l #	25
51) 4-Methyl-2-Pentanone	10.33	43	7668	1.770	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	233243	55.562	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	233243	121.155	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	59	Below Cal	#	1

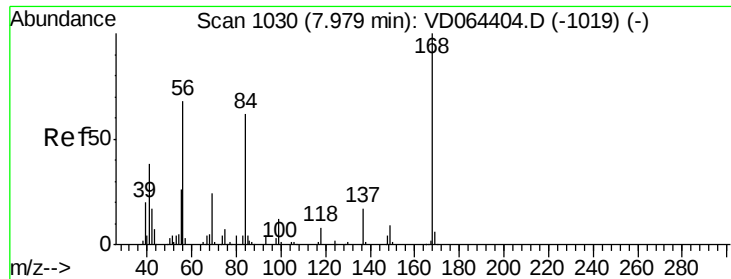
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064445.D

Acq: 05 Dec 2019 19:26

Instrument :

MSVOA_D

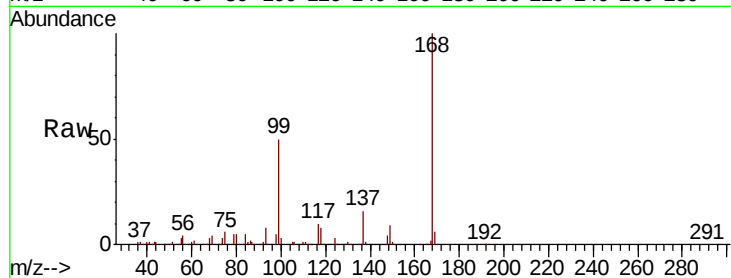
ClientSampleId :

Tot Ion:168 Resp: 758920

Ion Ratio Lower Upper

168 100

99 50.3 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

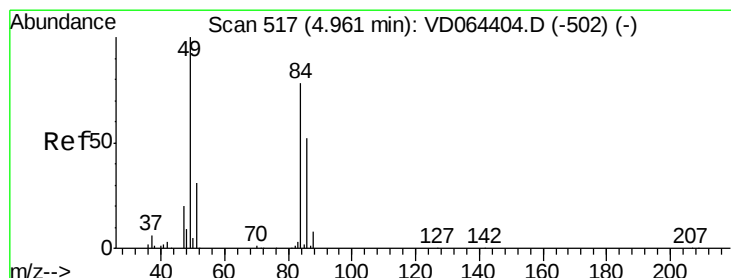
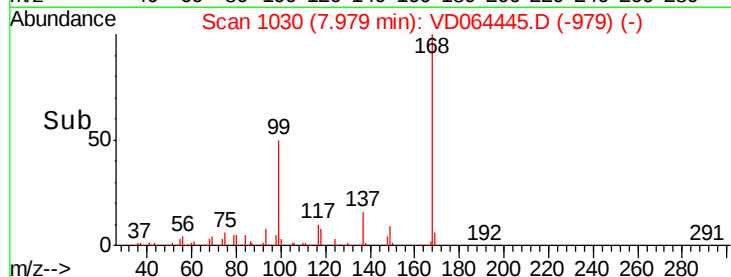
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064445.D

Acq: 05 Dec 2019 19:26

Tgt Ion: 84 Resp: 6989

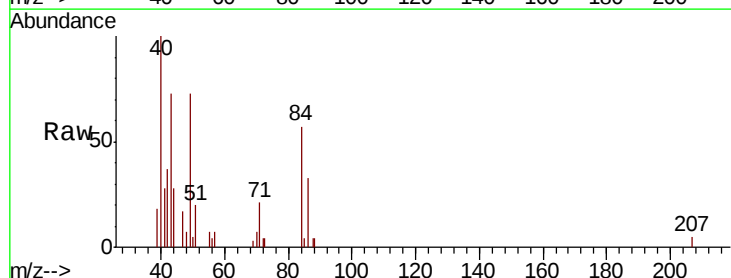
Ion Ratio Lower Upper

84 100

49 127.0 102.6 153.8

51 35.6 32.0 48.0

86 58.0 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

5000

4000

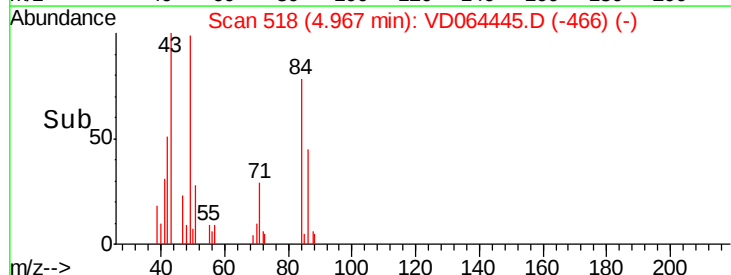
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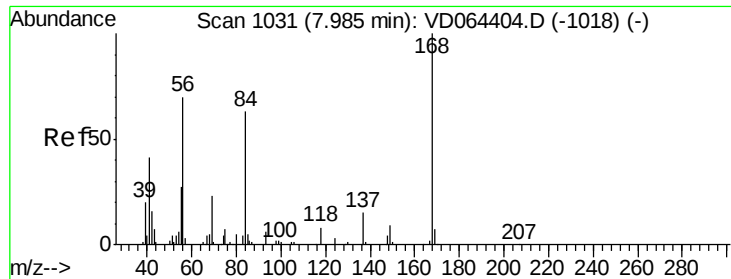
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1000

0

Time-->

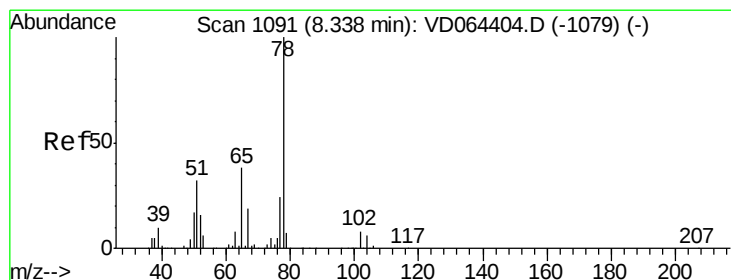
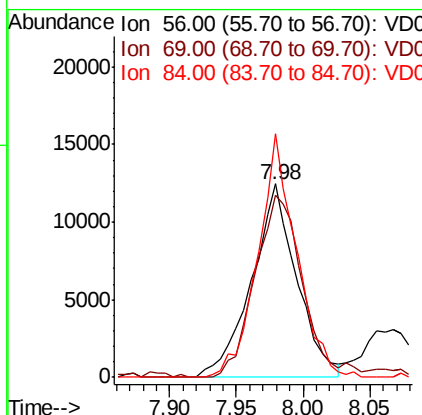
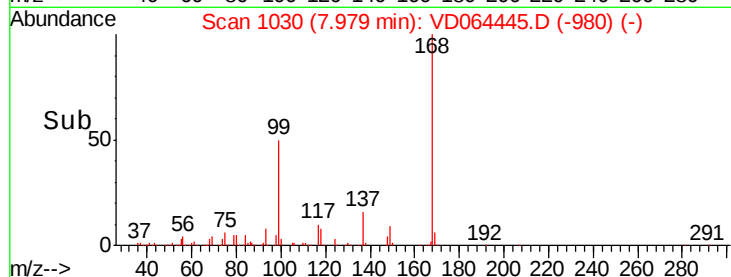
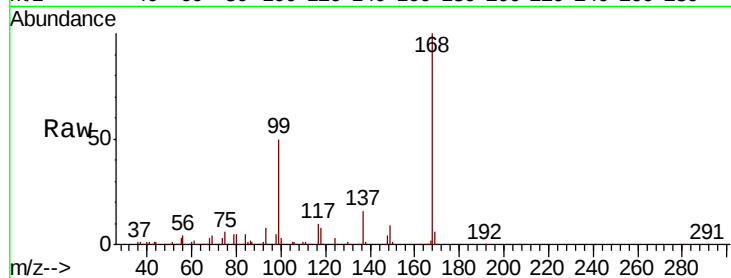




#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

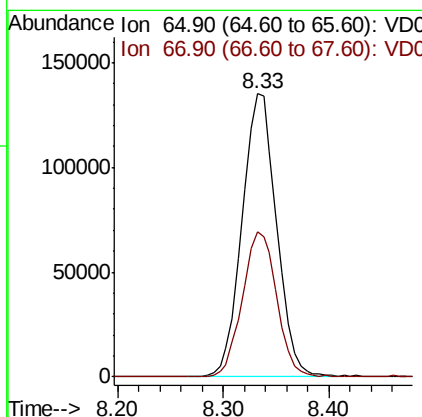
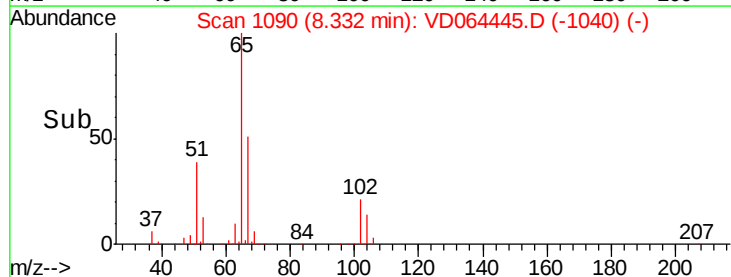
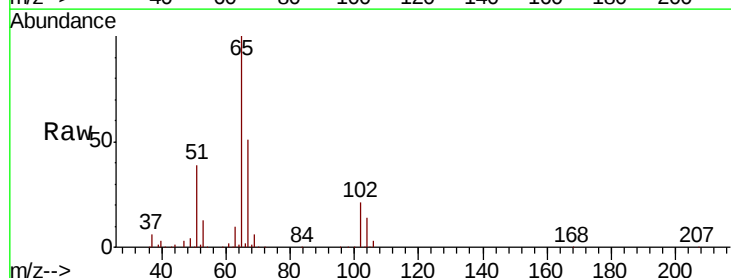
Instrument :
MSVOA_D
ClientSampleId :

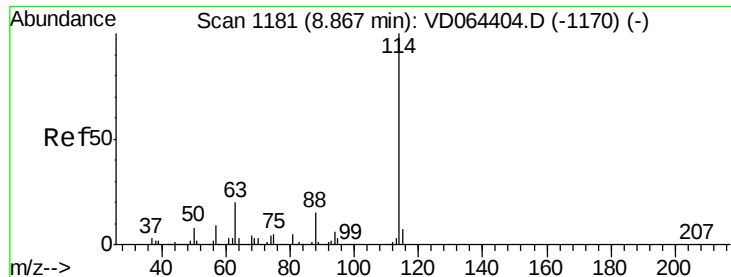
Tot Ion: 56 Resp: 29242
Ion Ratio Lower Upper
56 100
69 94.4 26.2 39.4#
84 126.0 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 44.565 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

Tgt Ion: 65 Resp: 306133
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.0

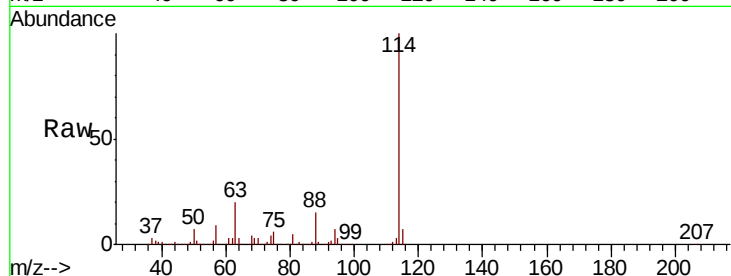




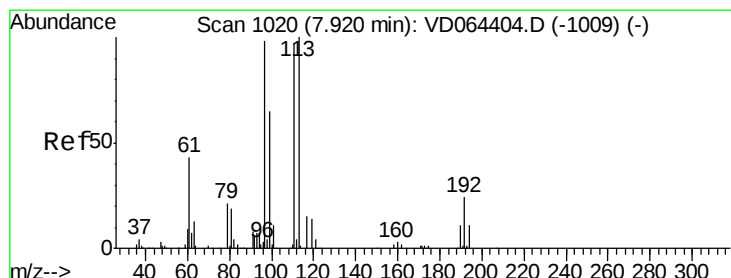
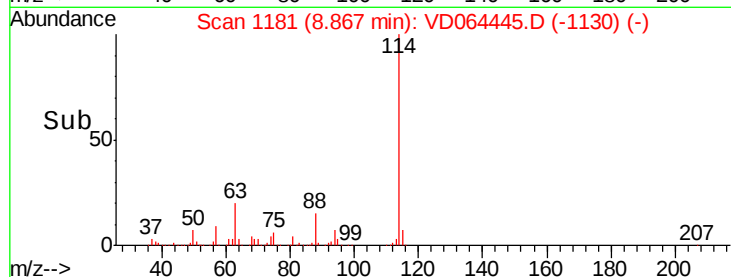
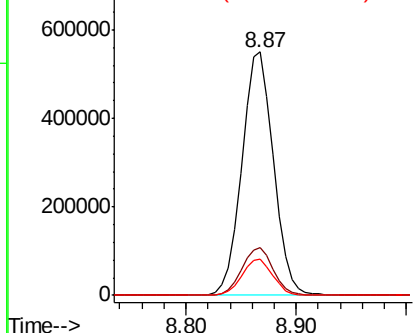
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064445.D
 Acq: 05 Dec 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1109269
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.1 0.0 29.2

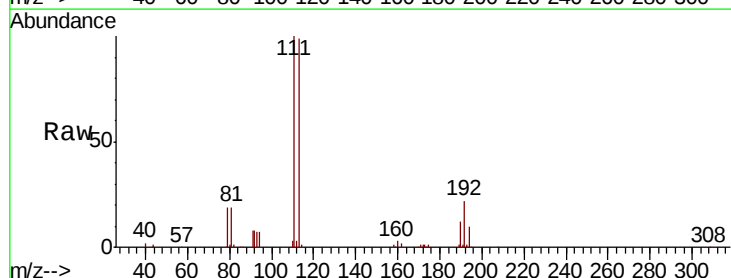


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

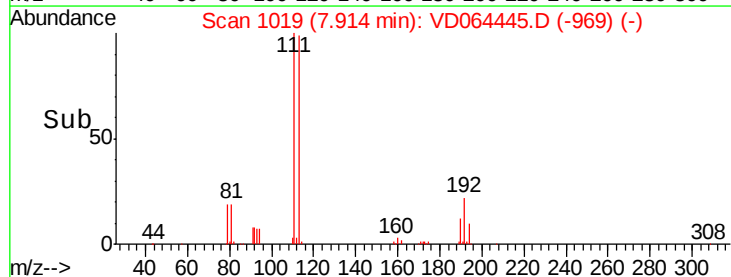
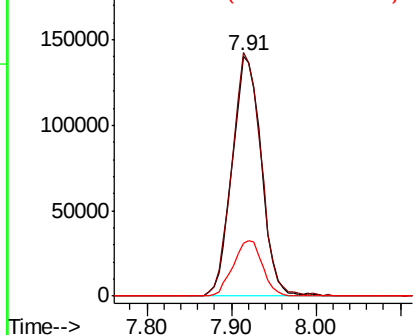


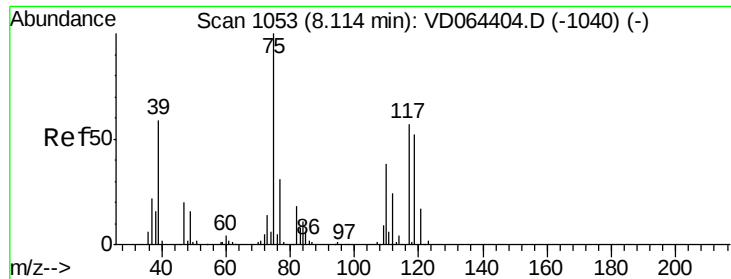
#35
 Dibromofluoromethane
 Concen: 47.634 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064445.D
 Acq: 05 Dec 2019 19:26

Tgt Ion:113 Resp: 332909
 Ion Ratio Lower Upper
 113 100
 111 101.4 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

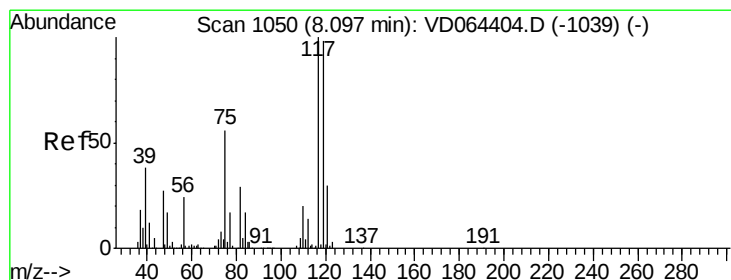
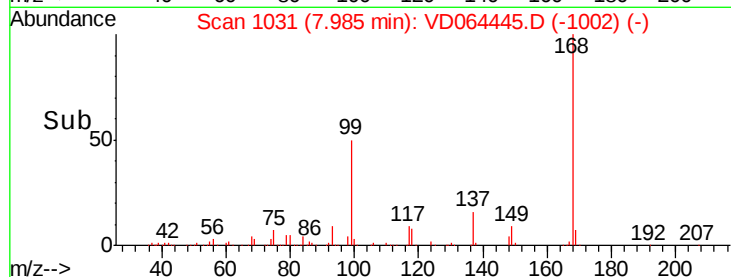
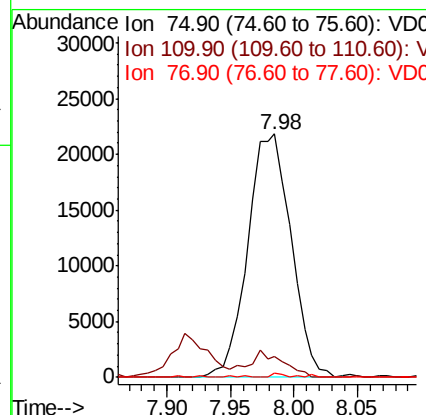
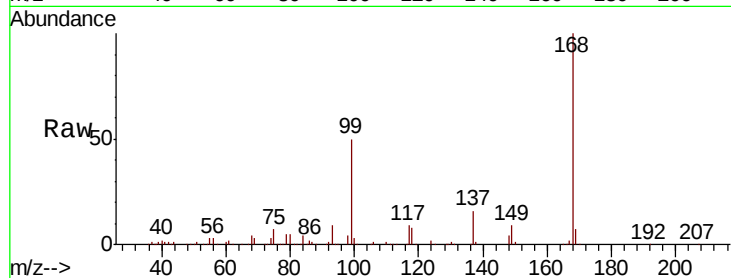




#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064445.D
 Acq: 05 Dec 2019 19:26

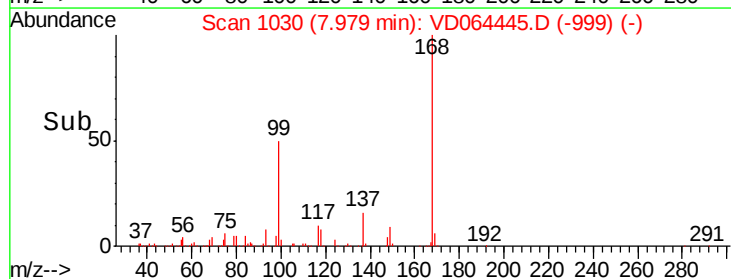
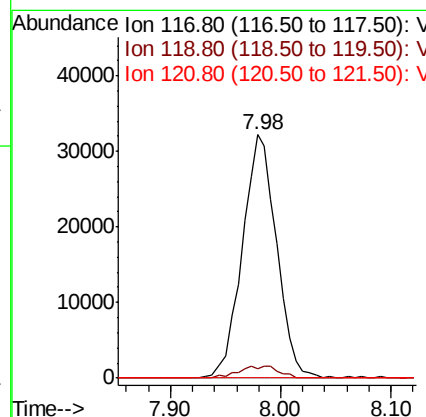
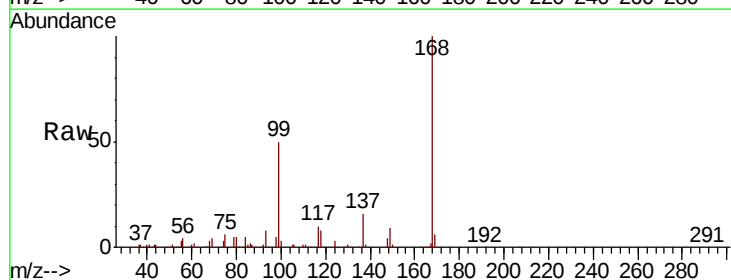
Instrument :
 MSVOA_D
 ClientSampleId :

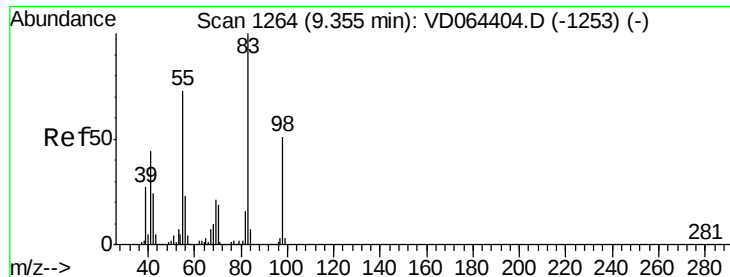
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.6	55.8#
77	0.4	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.311 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064445.D
 Acq: 05 Dec 2019 19:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.8	118.2#
121	0.0	24.2	36.2#

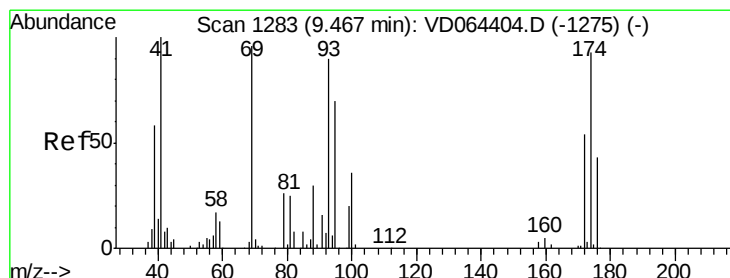
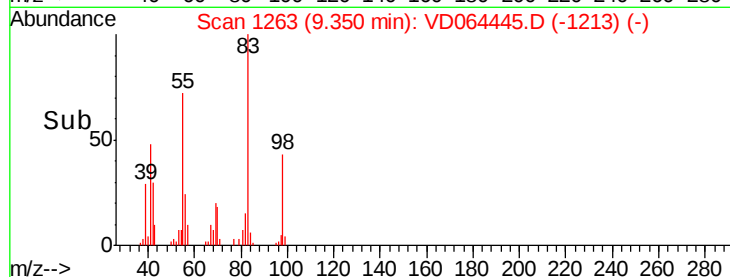
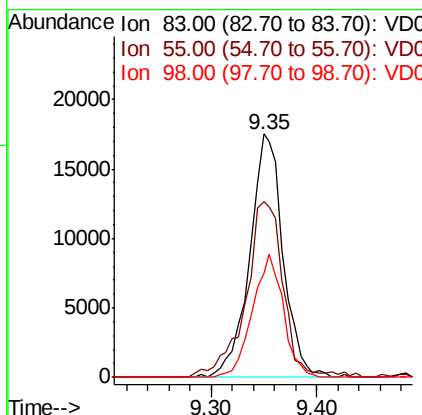
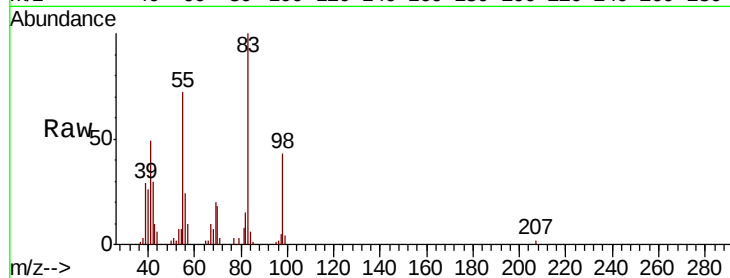




#39
Methylcyclohexane
Concen: 2.964 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

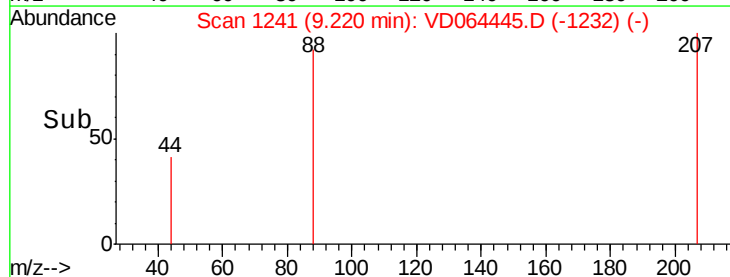
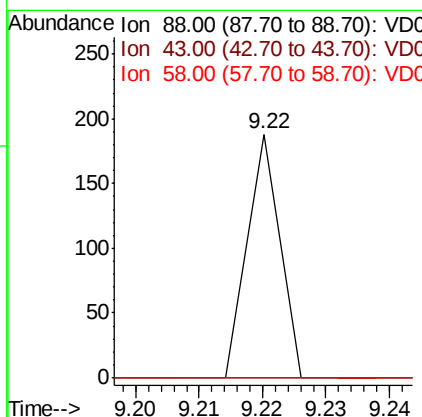
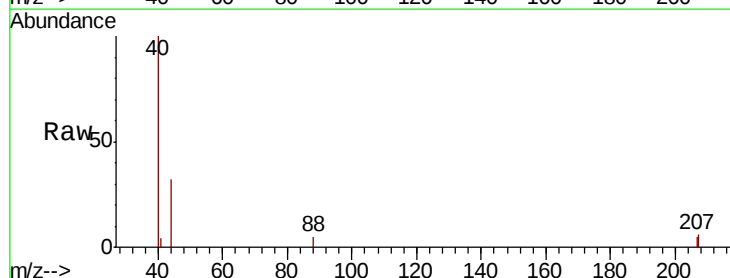
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ClientSampleId :

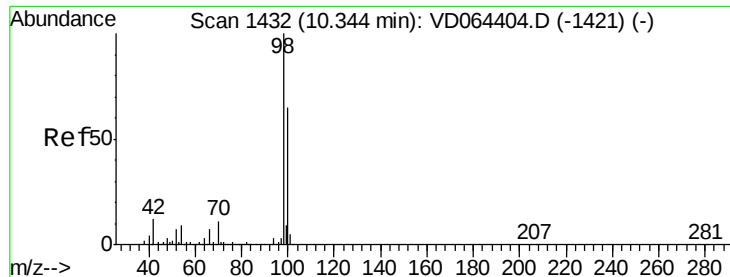
Tot Ion: 83 Resp: 38580
Ion Ratio Lower Upper
83 100
55 72.4 58.6 87.8
98 42.7 40.9 61.3



#49
1,4-Dioxane
Concen: 1.359 ug/l
RT: 9.22 min Scan# 1241
Delta R.T. -0.25 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 26.7 40.1#
58 0.0 52.3 78.5#

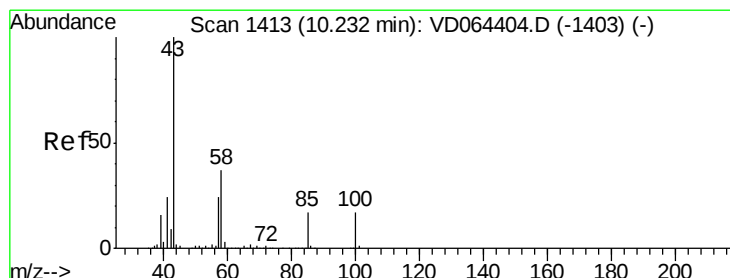
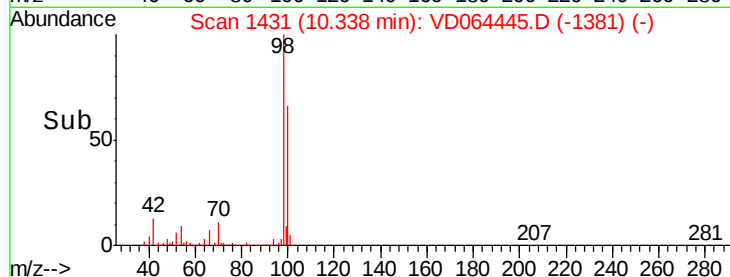
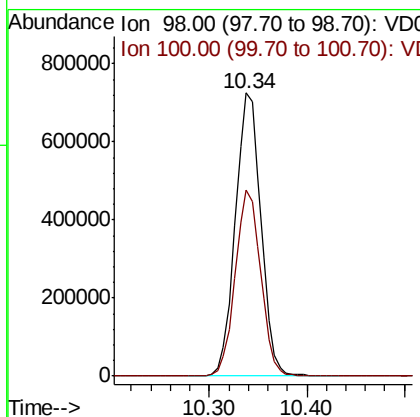
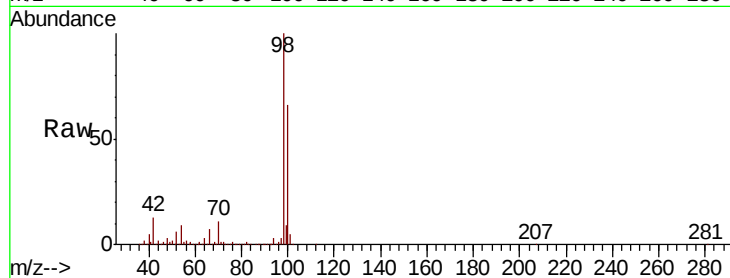




#50
Toluene-d8
Concen: 50.281 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

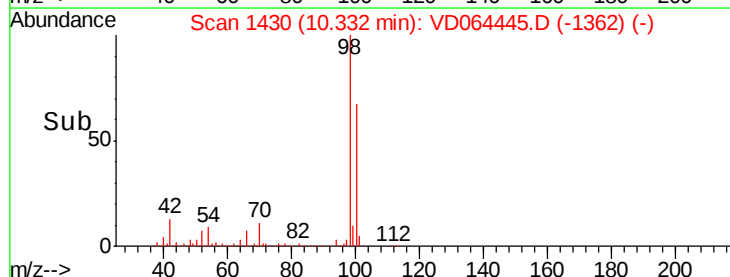
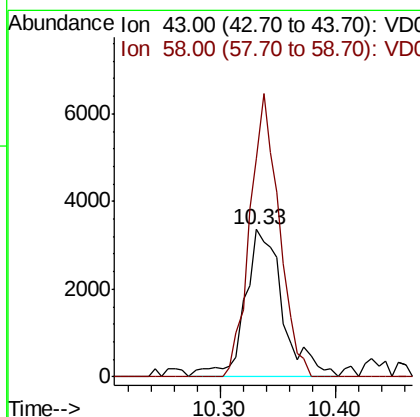
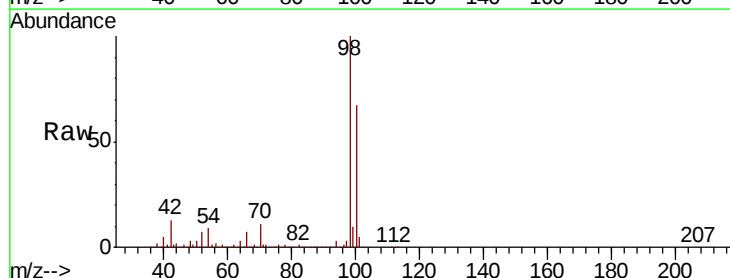
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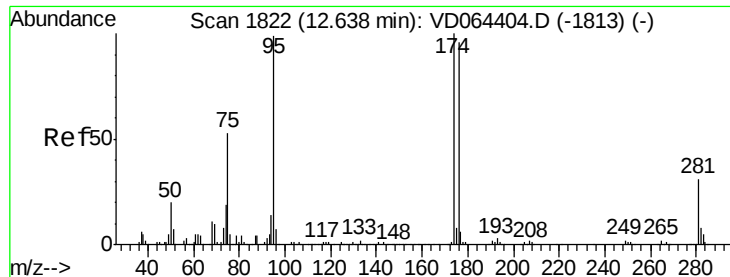
Tot Ion: 98 Resp: 1323721
Ion Ratio Lower Upper
98 100
100 65.4 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 1.770 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.10 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

Tgt Ion: 43 Resp: 7668
Ion Ratio Lower Upper
43 100
58 148.4 30.6 46.0#

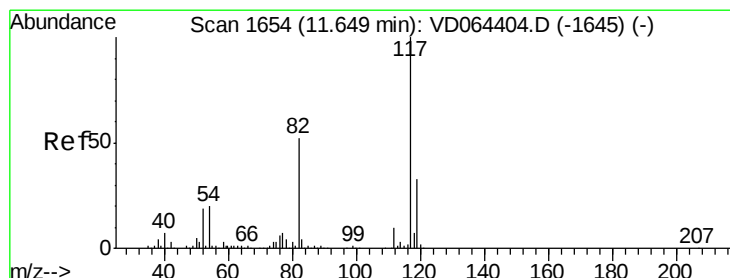
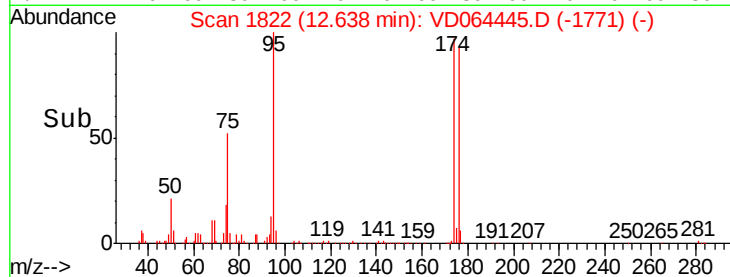
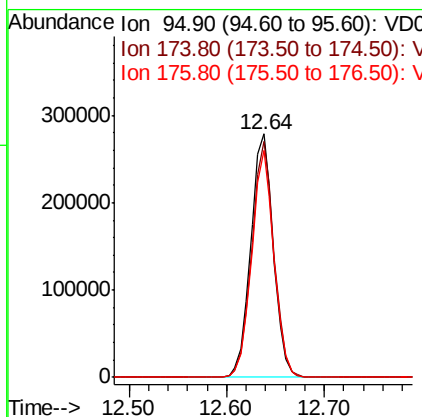
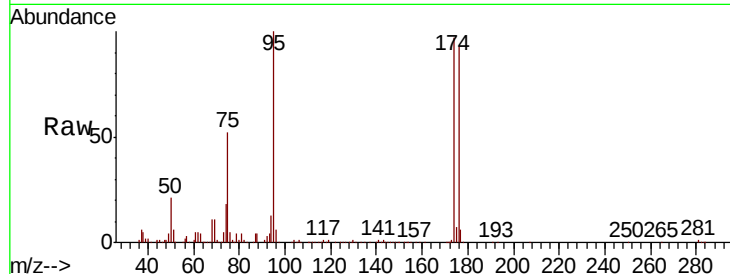




#62
4-Bromofluorobenzene
Concen: 53.367 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

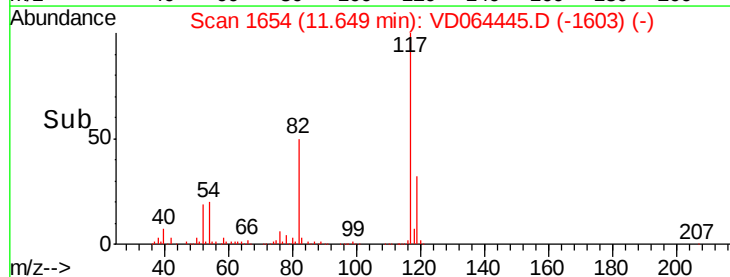
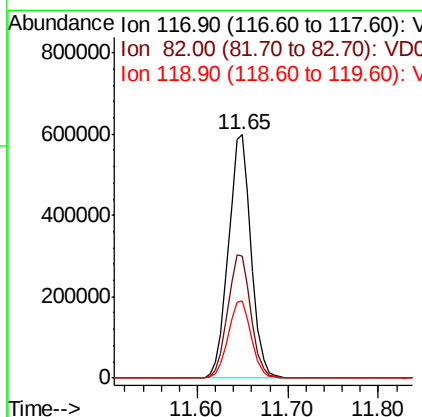
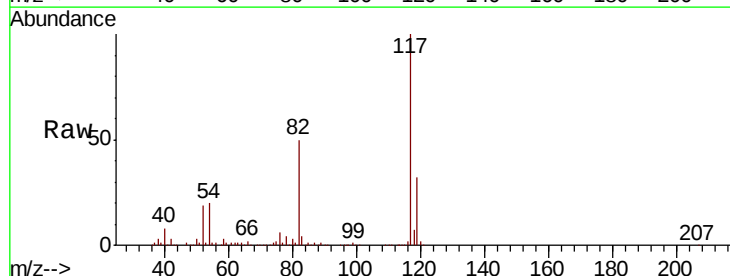
Instrument :
MSVOA_D
ClientSampleId :

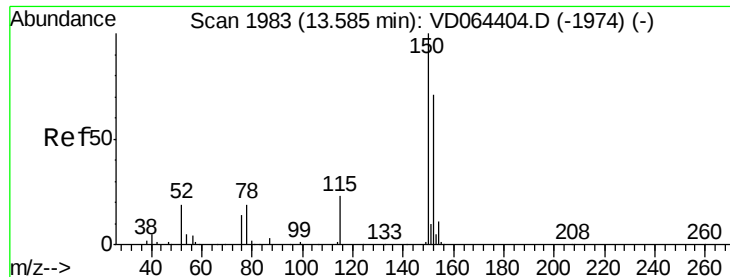
Tot Ion: 95 Resp: 451518
Ion Ratio Lower Upper
95 100
174 96.1 0.0 197.2
176 92.2 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

Tgt Ion: 117 Resp: 1037088
Ion Ratio Lower Upper
117 100
82 50.3 41.4 62.2
119 31.5 26.2 39.2



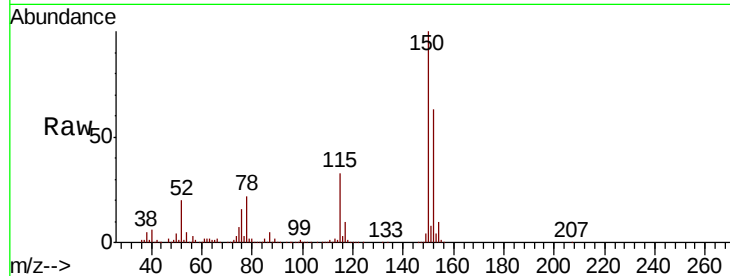


#72

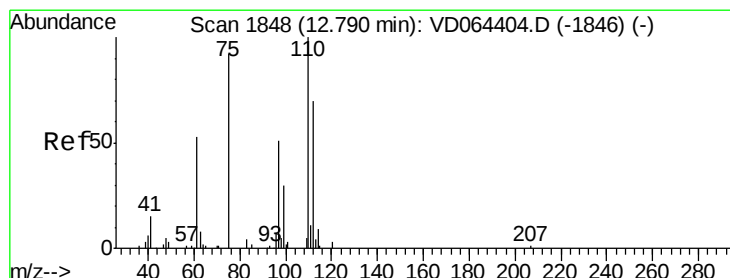
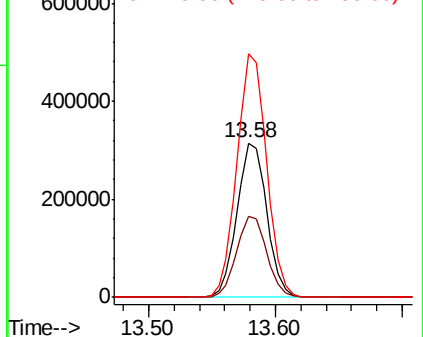
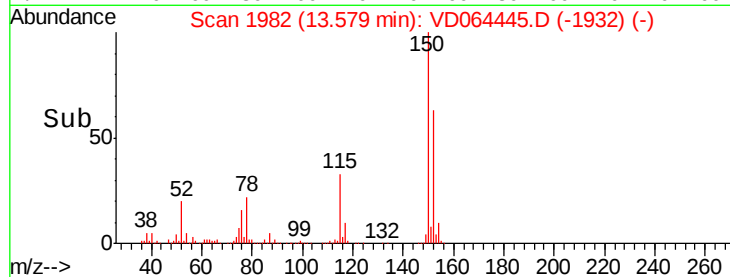
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.5	26.7	80.1
150	157.8	0.0	347.2



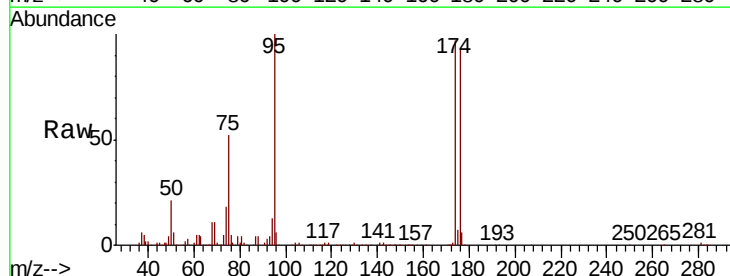
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



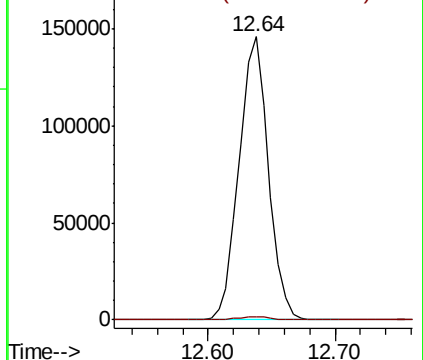
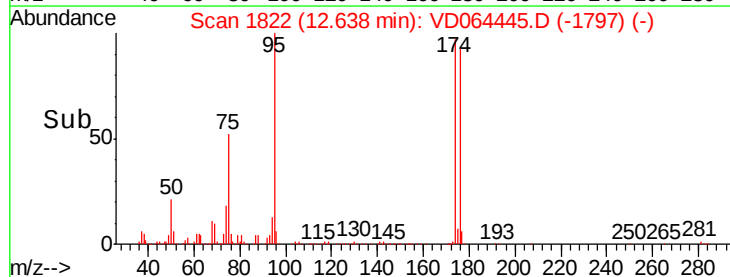
#76

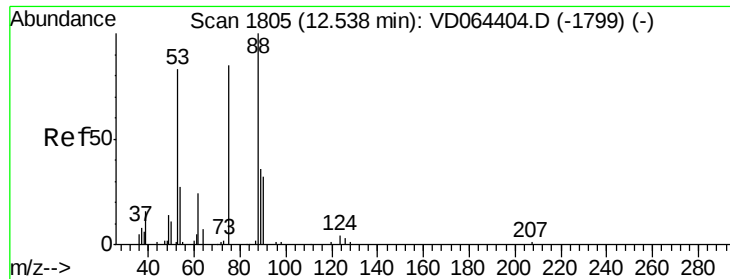
1,2,3-Trichloropropane
Concen: 55.562 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064445.D
Acq: 05 Dec 2019 19:26

Tgt 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: 121.155 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064445.D

Acq: 05 Dec 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

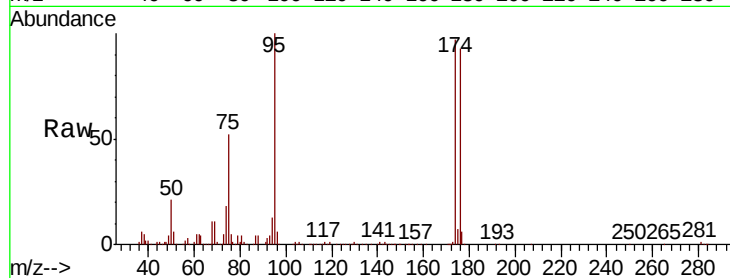
Tot Ion: 75 Resp: 233243

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

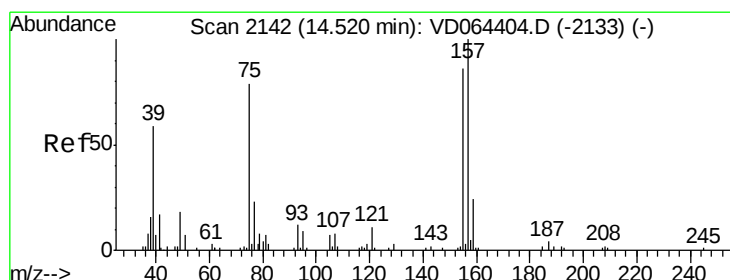
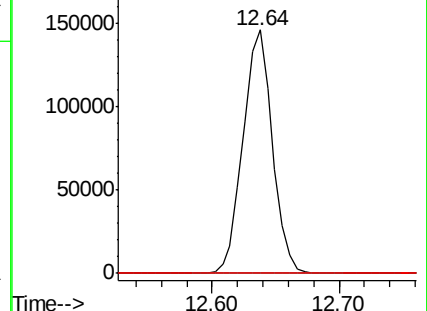
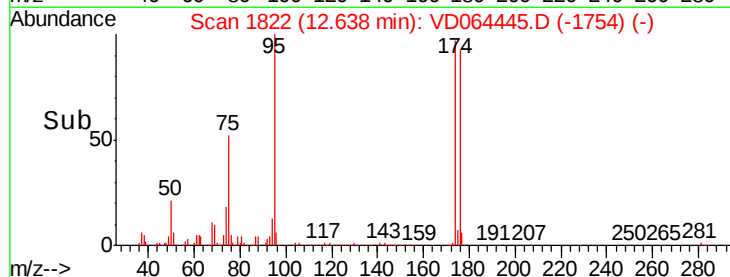
89 0.1 38.5 57.7#



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: 14.26 min Scan# 2097

Delta R.T. -0.26 min

Lab File: VD064445.D

Acq: 05 Dec 2019 19:26

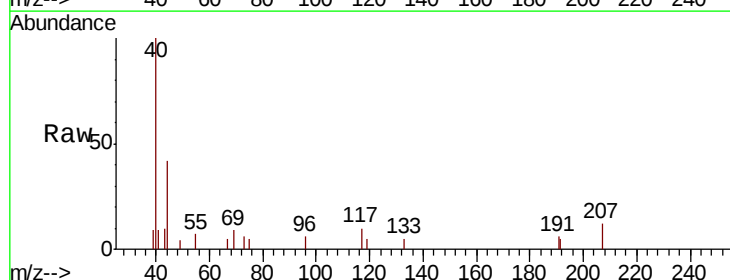
Tgt Ion: 75 Resp: 59

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

