

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064248.D
 Acq On : 16 Nov 2019 02:59
 Operator : VA/SY
 Sample : K5840-10
 Misc : 5.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:44:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	199494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	270705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	118333	72.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.24%	
35) Dibromofluoromethane	7.92	113	96773	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
50) Toluene-d8	10.34	98	347726	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
62) 4-Bromofluorobenzene	12.64	95	124804	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	

Target Compounds

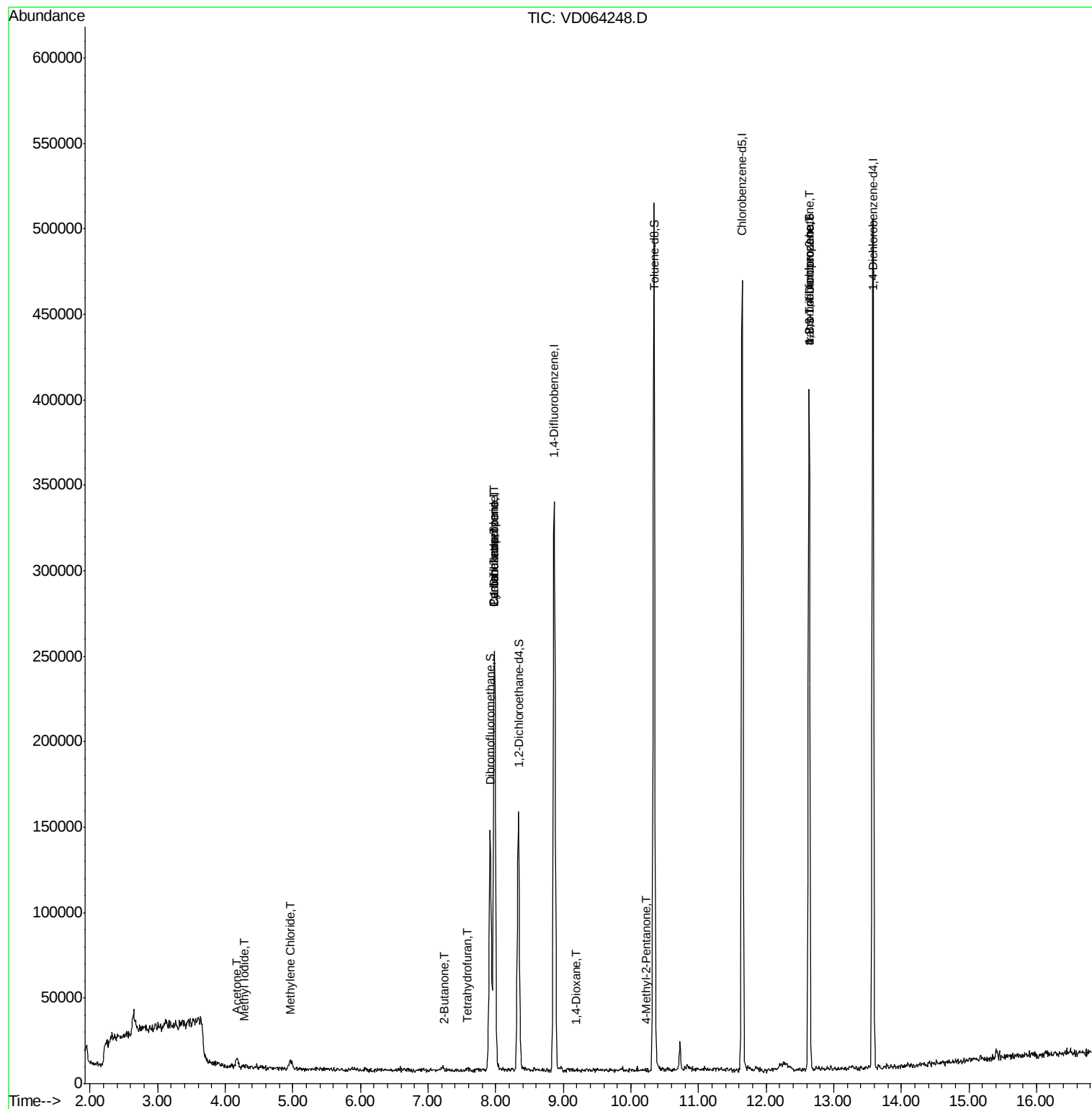
					Qvalue	
10) Methyl Iodide	4.29	142	162	2.109	ug/l #	41
16) Acetone	4.17	43	10198	26.237	ug/l	100
20) Methylene Chloride	4.96	84	2446	1.246	ug/l #	89
25) 2-Butanone	7.24	43	1794	3.573	ug/l #	49
29) Tetrahydrofuran	7.58	42	1425	4.723	ug/l #	55
31) Cyclohexane	7.98	56	4261	1.323	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	14097	5.179	ug/l #	51
38) Carbon Tetrachloride	7.98	117	17628	6.053	ug/l #	16
49) 1,4-Dioxane	9.19	88	70	6.013	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	1140	1.005	ug/l #	37
76) 1,2,3-Trichloropropane	12.64	75	62805	55.346	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	62805	109.940	ug/l #	10

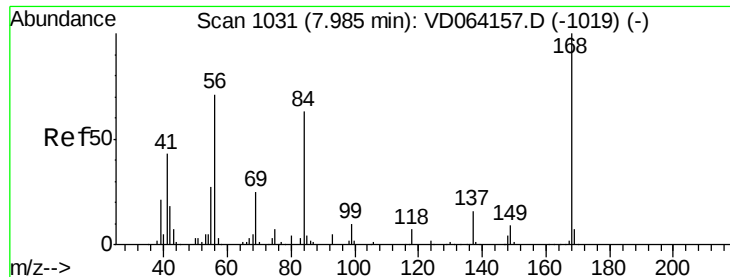
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

Instrument :

MSVOA_D

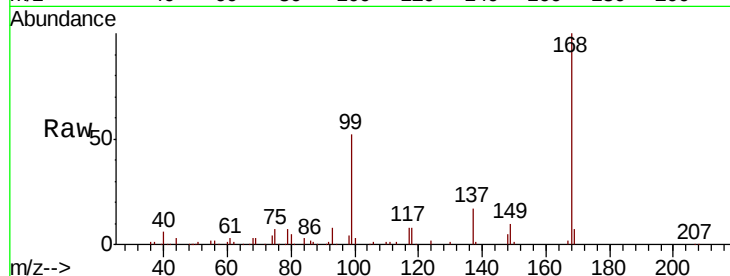
ClientSampleId :

Tot Ion:168 Resp: 199494

Ion Ratio Lower Upper

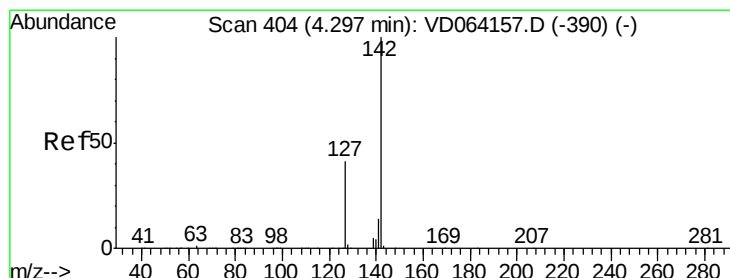
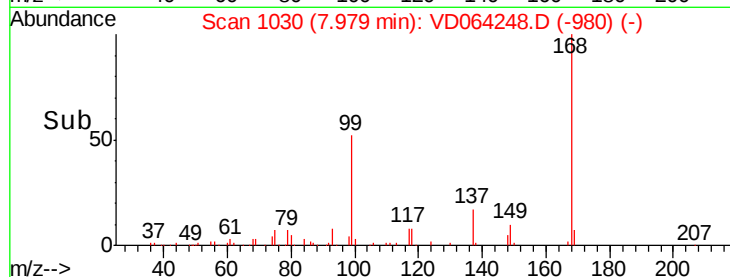
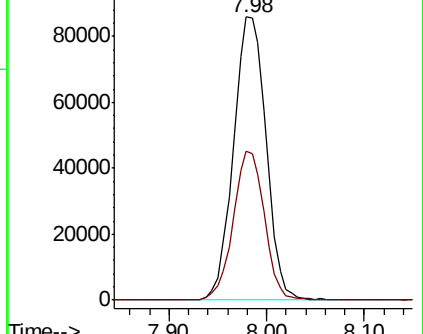
168 100

99 52.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.109 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

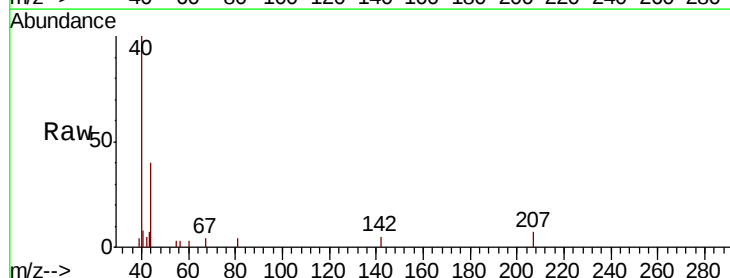
Tgt Ion:142 Resp: 162

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

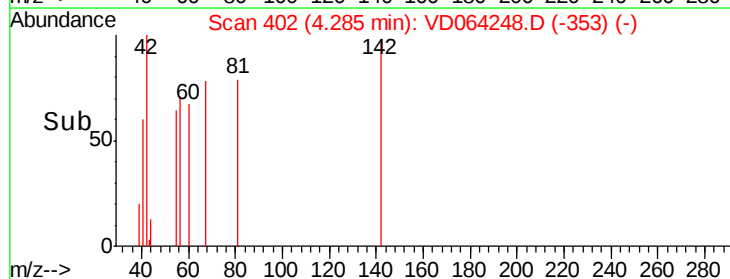
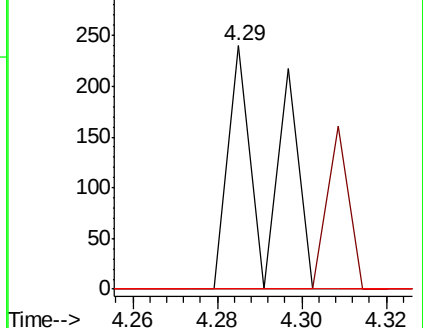
141 0.0 11.2 16.8#

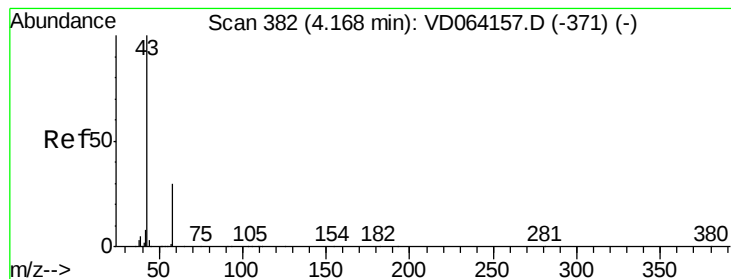


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 26.237 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

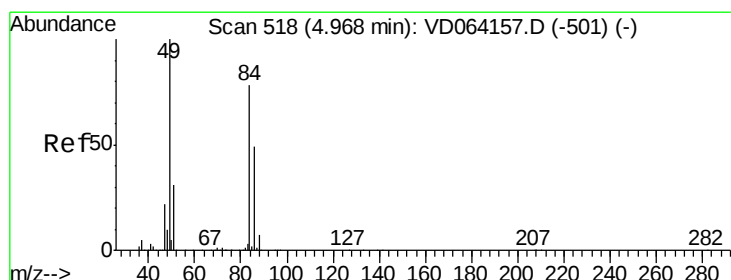
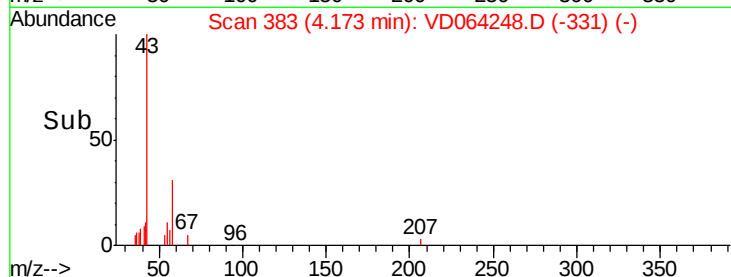
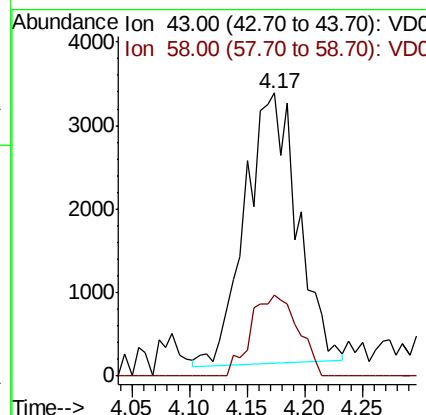
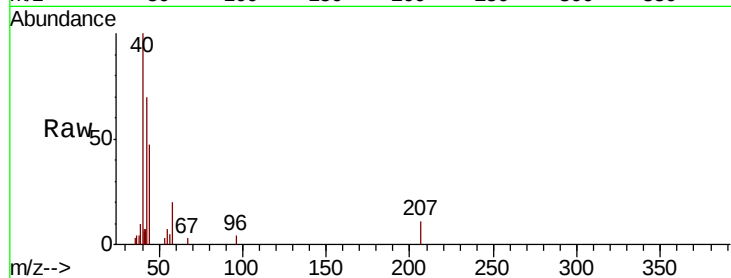
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 10198

Ion Ratio Lower Upper

43 100

58 30.3 24.1 36.1



#20

Methylene Chloride

Concen: 1.246 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

Tgt Ion: 84 Resp: 2446

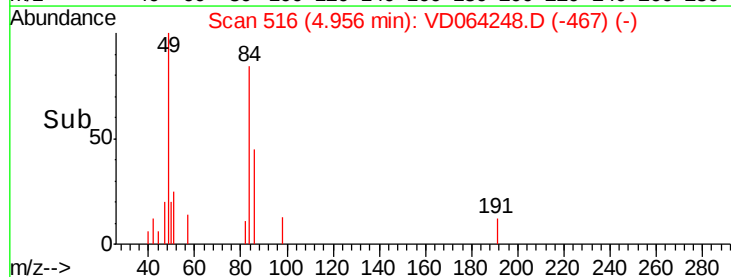
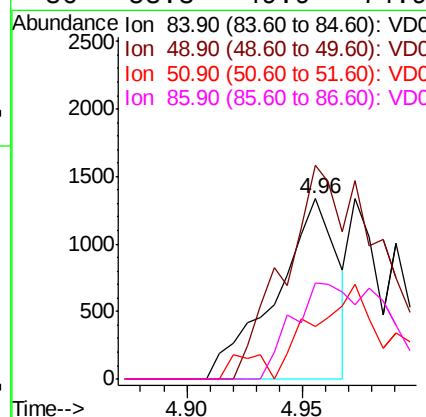
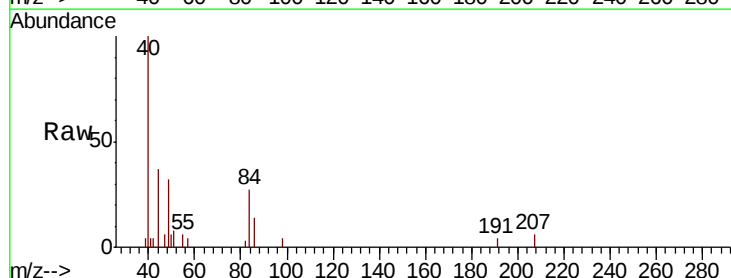
Ion Ratio Lower Upper

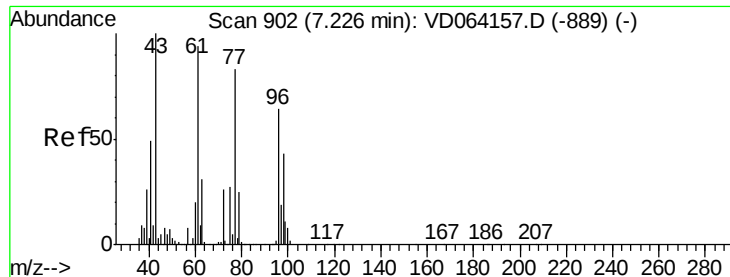
84 100

49 118.6 102.1 153.1

51 29.4 32.2 48.2#

86 53.3 49.9 74.9

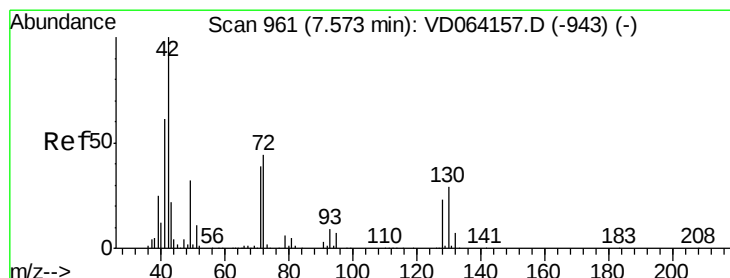
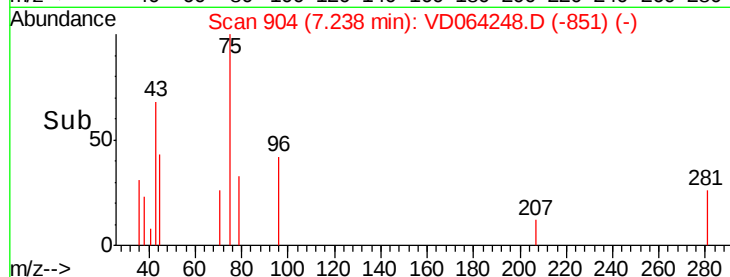
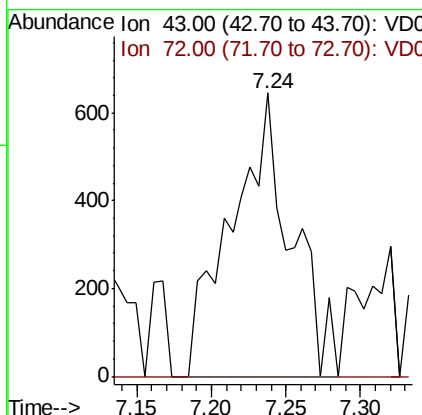
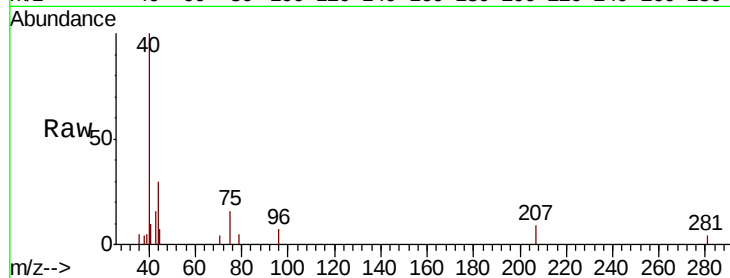




#25
2-Butanone
Concen: 3.573 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

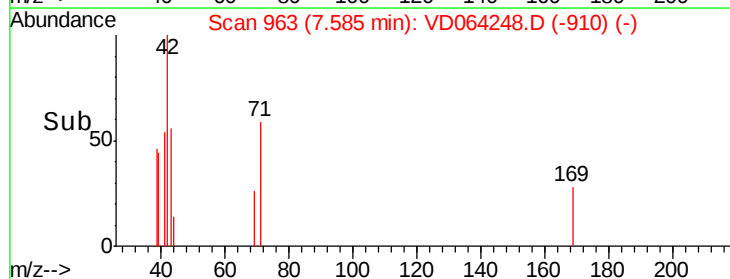
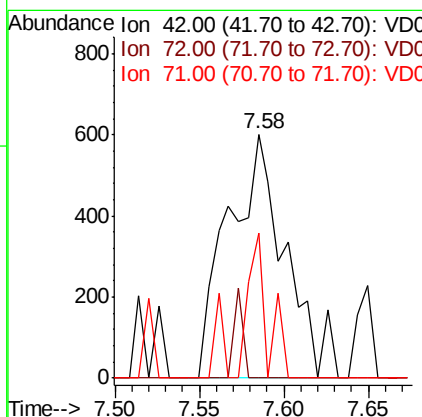
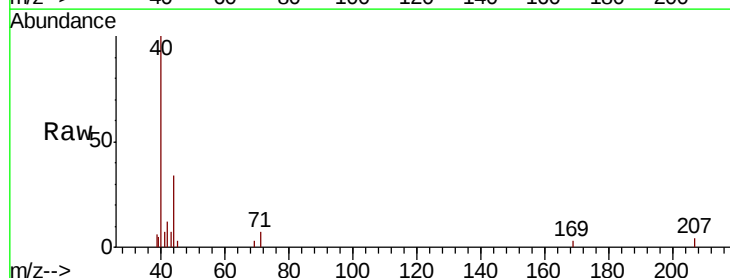
Instrument :
MSVOA_D
ClientSampled :

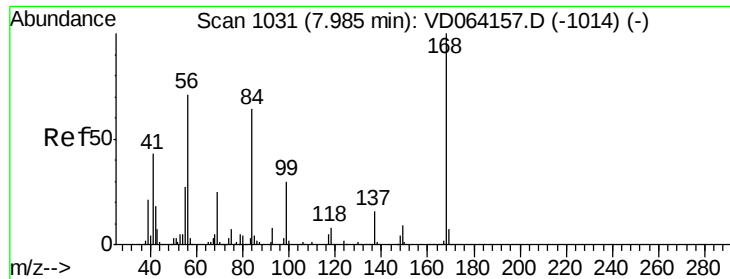
Tot Ion: 43 Resp: 1794
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



#29
Tetrahydrofuran
Concen: 4.723 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Tgt Ion: 42 Resp: 1425
Ion Ratio Lower Upper
42 100
72 5.5 33.4 50.2#
71 19.9 31.0 46.4#

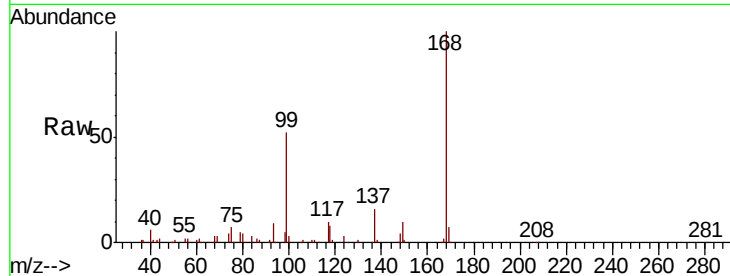




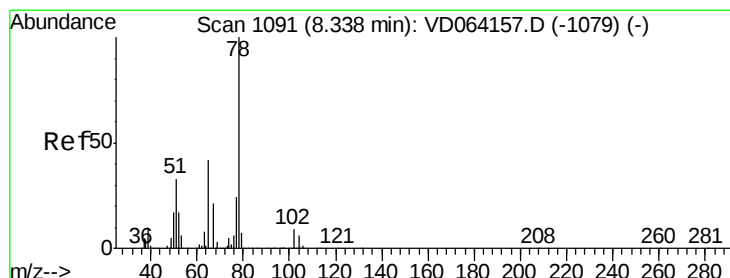
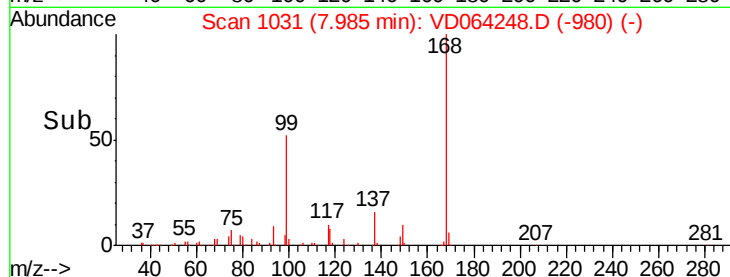
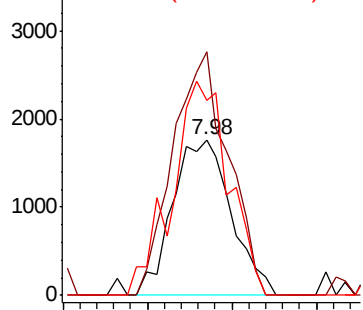
#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4261
Ion Ratio Lower Upper
56 100
69 156.6 28.2 42.4#
84 125.4 71.8 107.6#

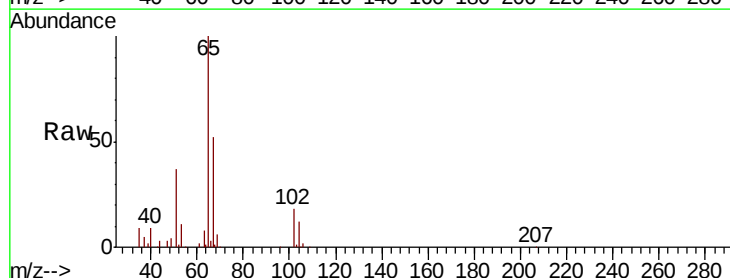


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

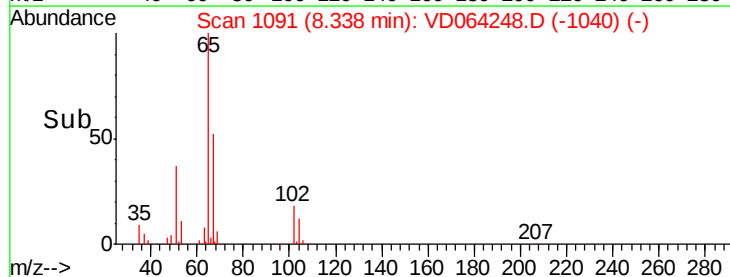
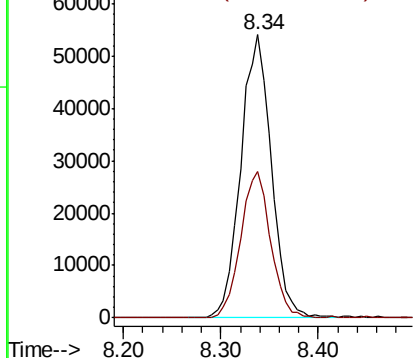


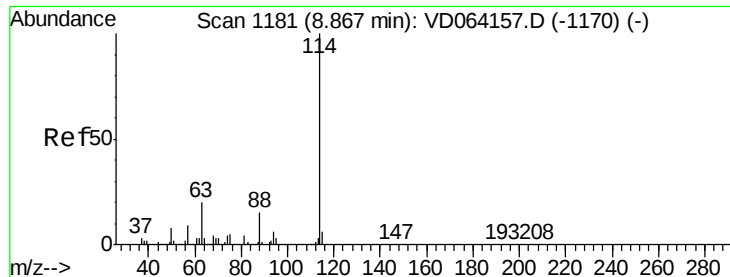
#33
1,2-Dichloroethane-d4
Concen: 72.123 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Tgt Ion: 65 Resp: 118333
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4



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

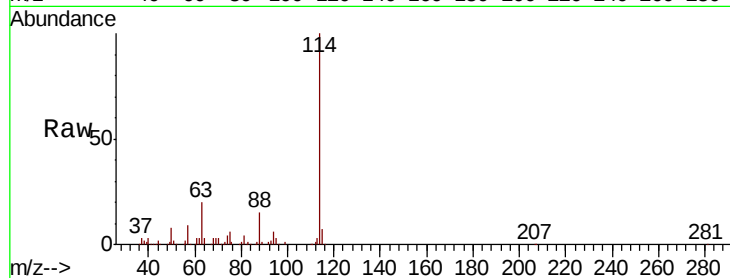




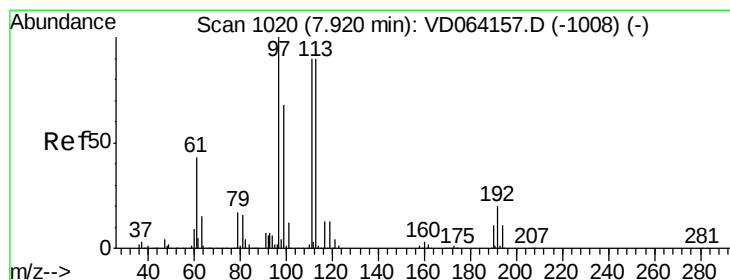
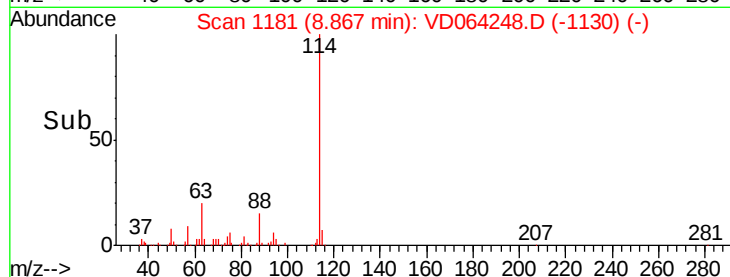
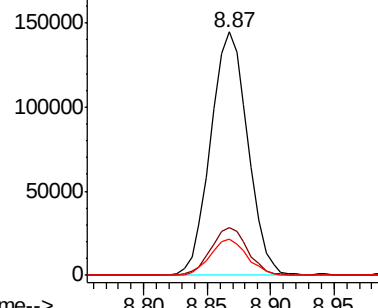
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	14.9	0.0	30.2

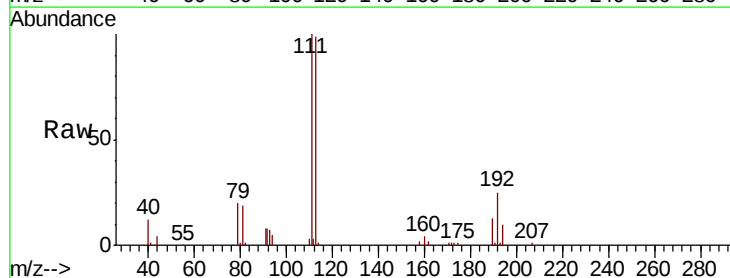


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

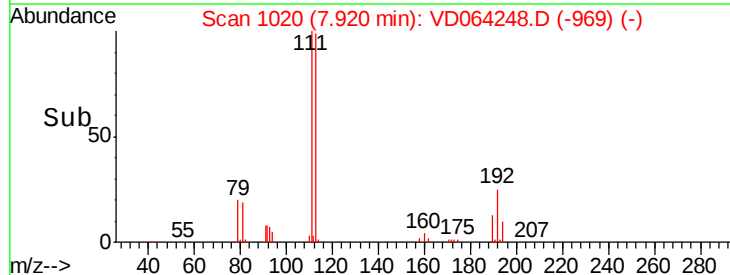
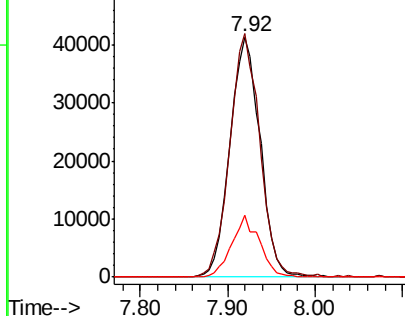


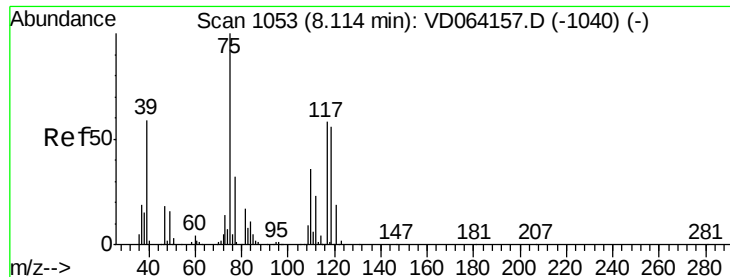
#35
Dibromofluoromethane
Concen: 57.164 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.5	122.3
192	23.4	18.8	28.2



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: 5.179 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

Instrument :

MSVOA_D

ClientSampleId :

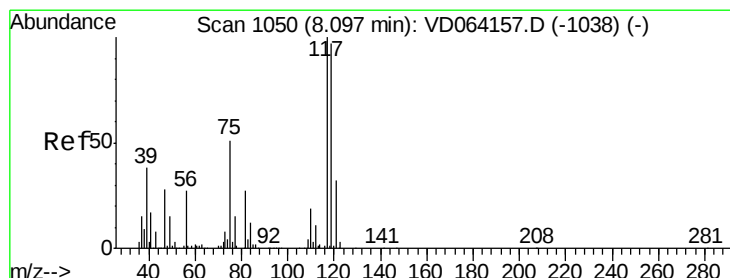
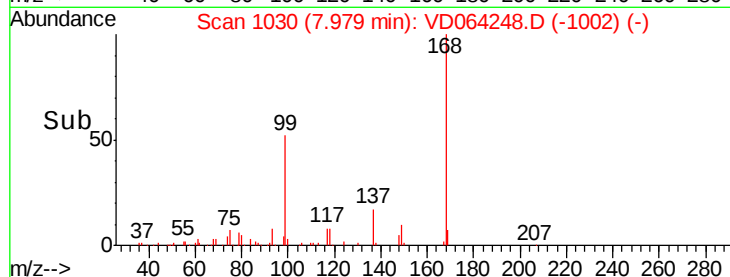
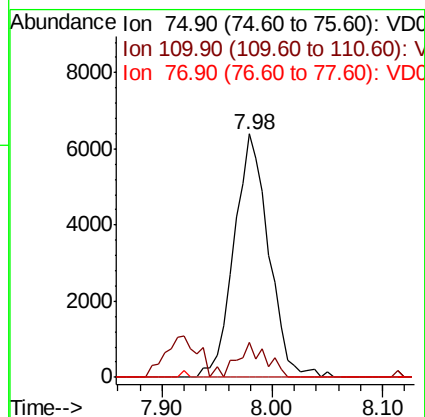
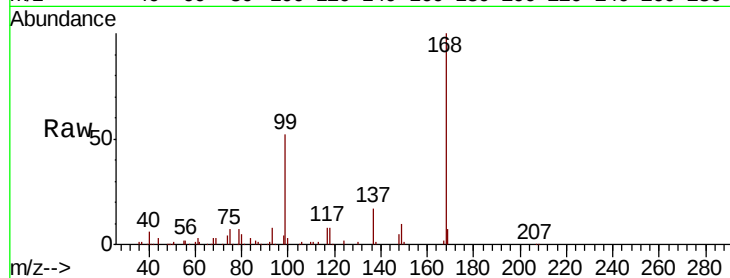
Tot Ion: 75 Resp: 14097

Ion Ratio Lower Upper

75 100

110 11.6 18.3 54.9#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.053 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

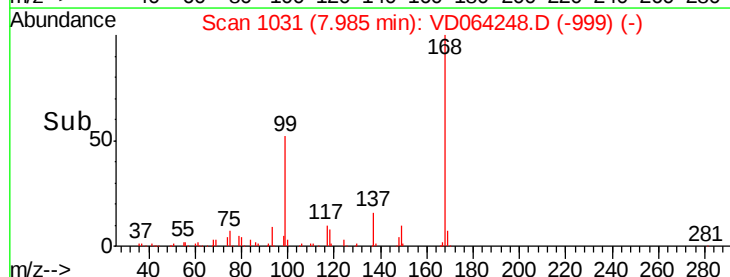
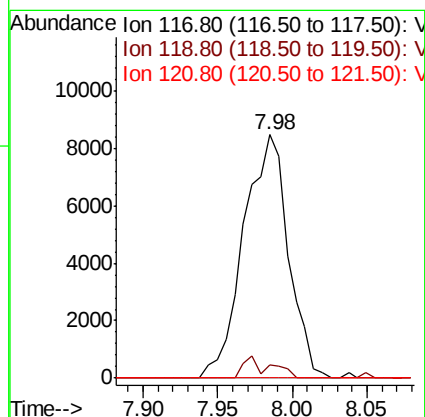
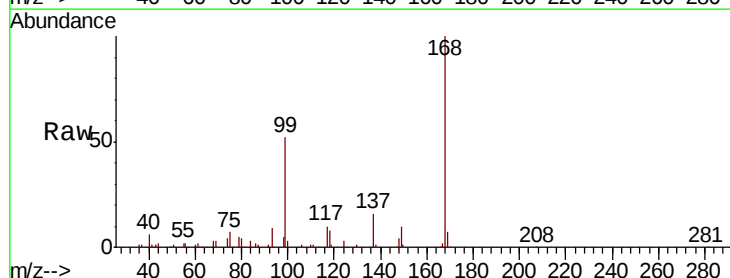
Tgt Ion: 117 Resp: 17628

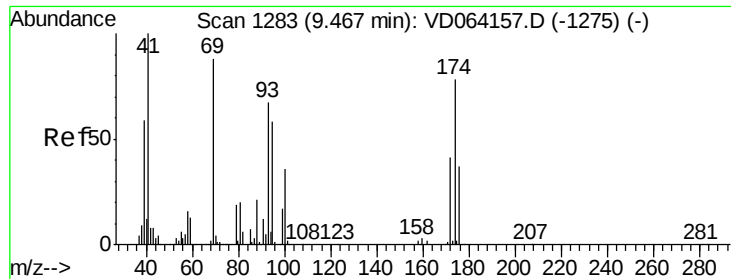
Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

121 0.0 25.5 38.3#

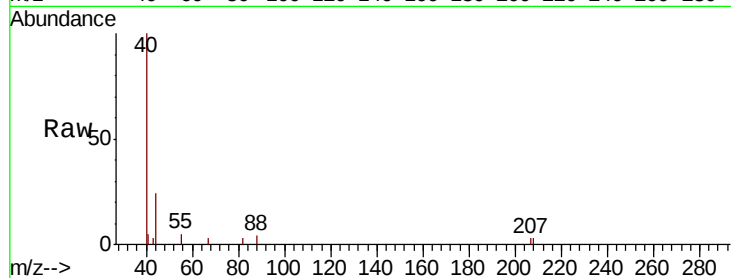




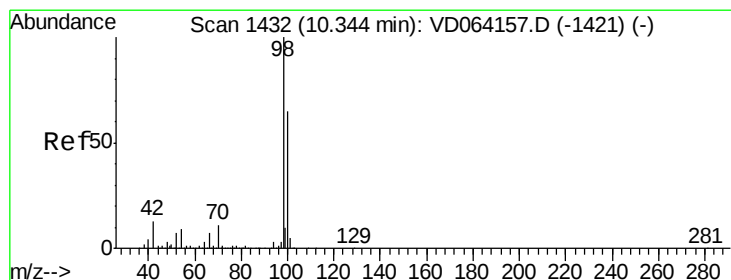
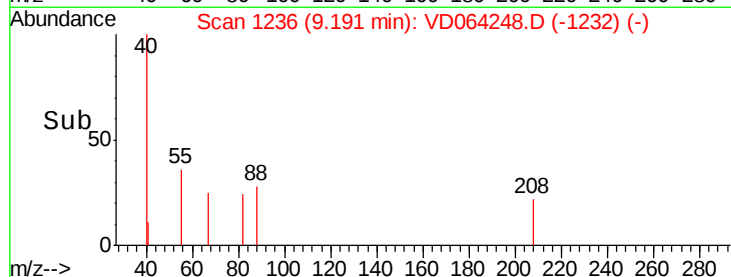
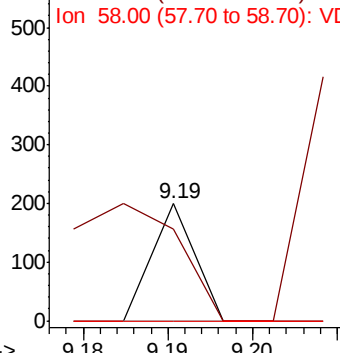
#49
1,4-Dioxane
Concen: 6.013 ug/l
RT: 9.19 min Scan# 1236
Delta R.T. -0.28 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 470.0 29.8 44.8#
58 0.0 58.1 87.1#

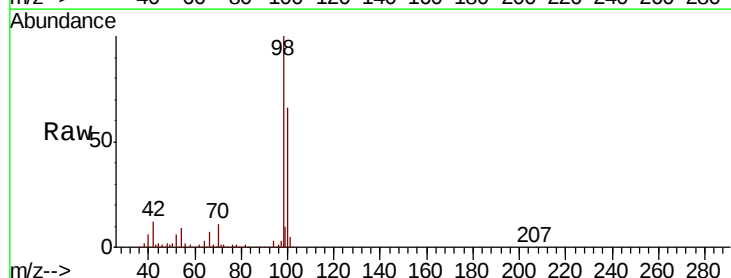


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

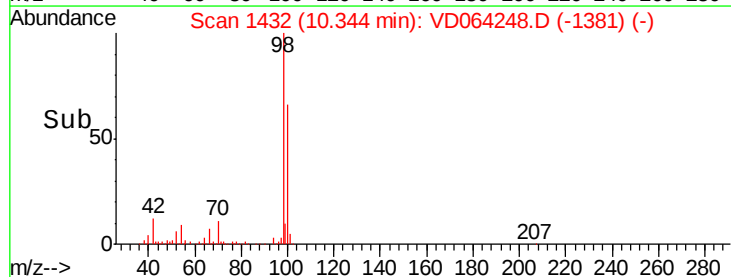
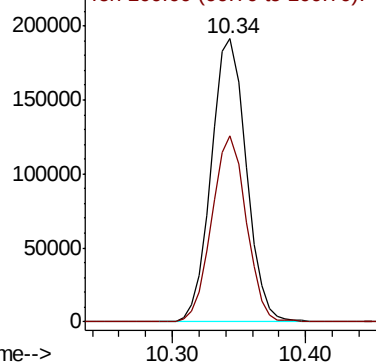


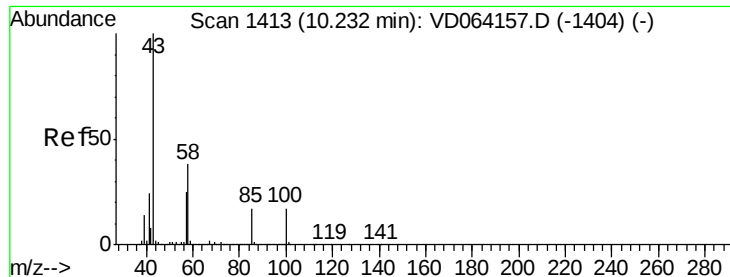
#50
Toluene-d8
Concen: 54.448 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Tgt Ion: 98 Resp: 347726
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.005 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

Instrument :

MSVOA_D

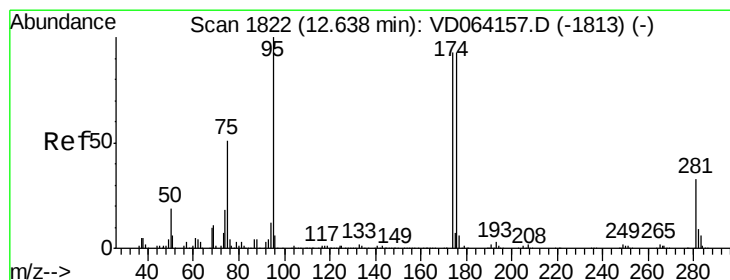
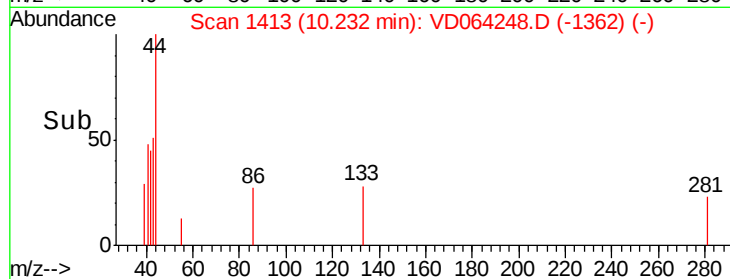
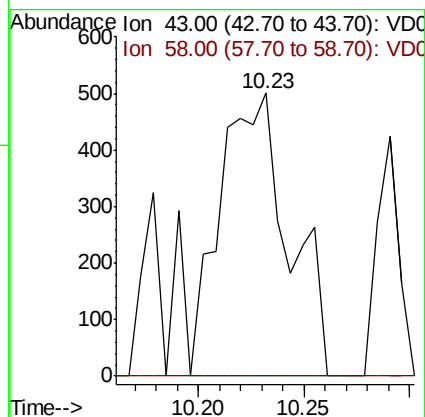
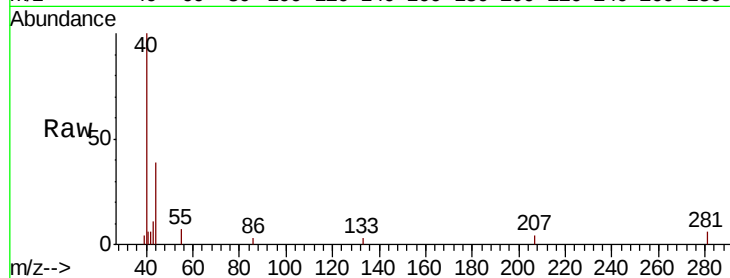
ClientSampleID :

Tot Ion: 43 Resp: 1140

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.4#



#62

4-Bromofluorobenzene

Concen: 56.430 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

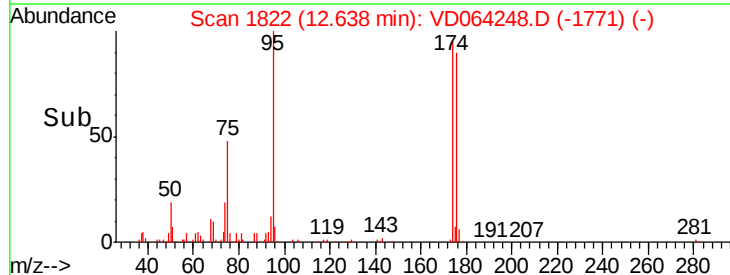
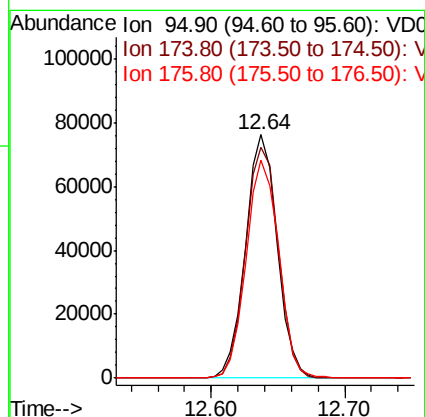
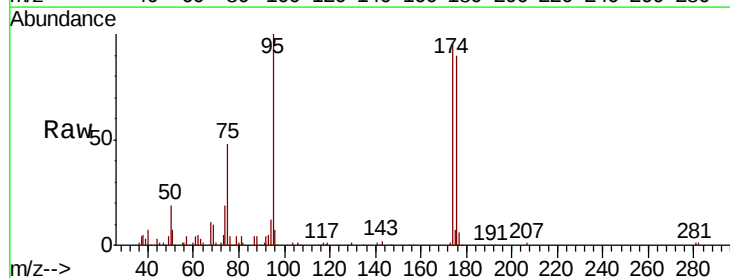
Tgt Ion: 95 Resp: 124804

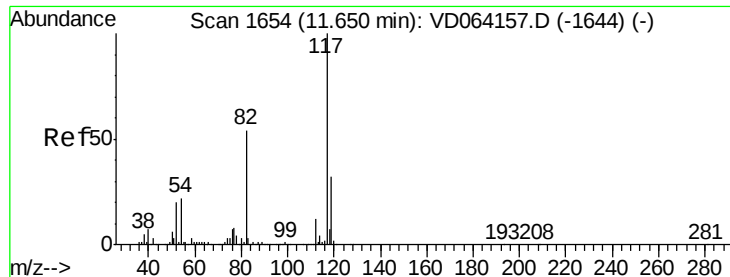
Ion Ratio Lower Upper

95 100

174 97.6 0.0 183.6

176 92.0 0.0 180.2

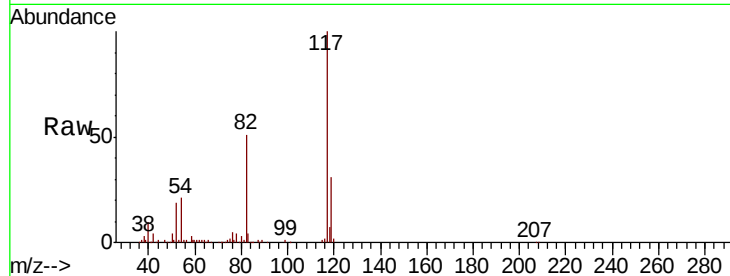




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.8	64.2
119	30.8	25.6	38.4

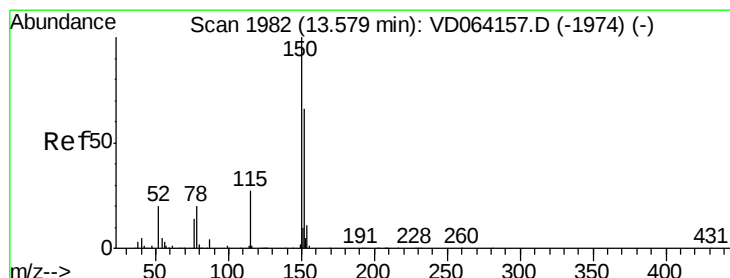
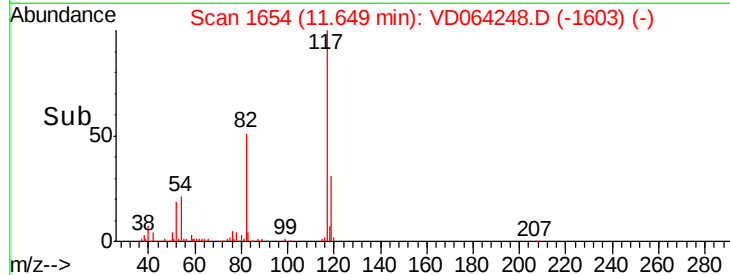
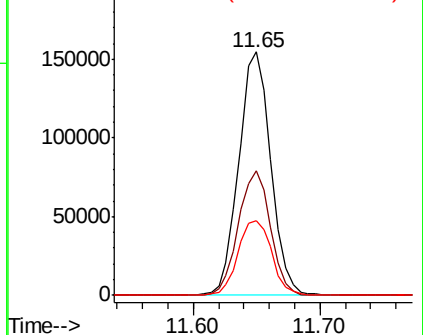


Abundance

Ion 116.90 (116.60 to 117.60): V

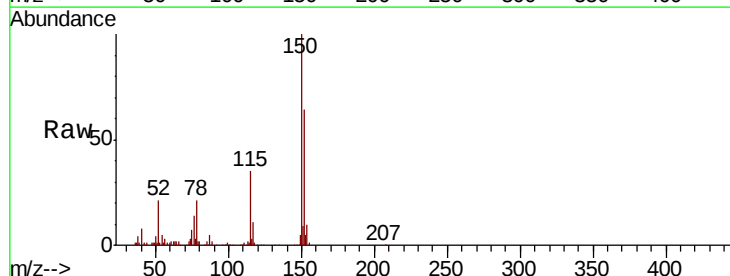
Ion 82.00 (81.70 to 82.70): V

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. 0.01 min
Lab File: VD064248.D
Acq: 16 Nov 2019 02:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.4	82.2
150	156.0	0.0	351.6

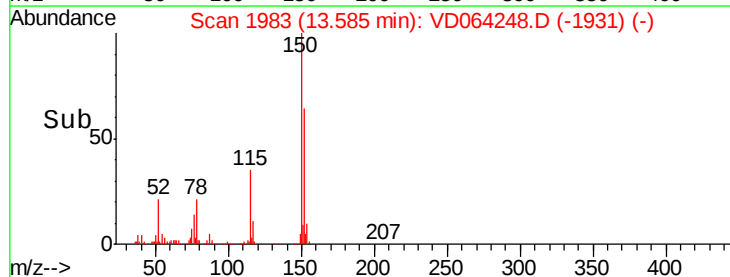
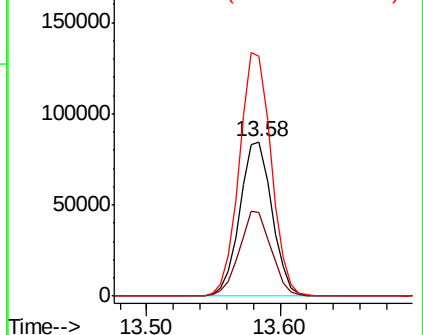


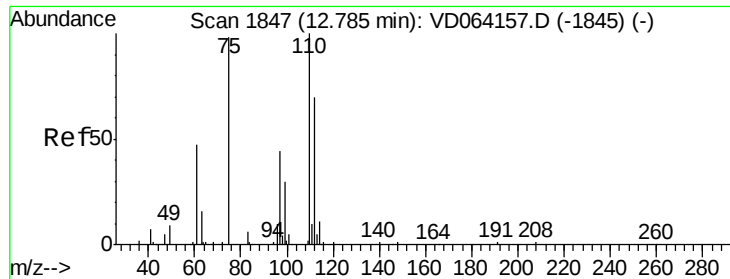
Abundance

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: 55.346 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

Instrument :

MSVOA_D

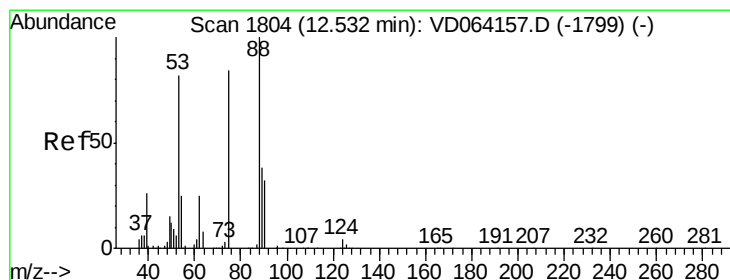
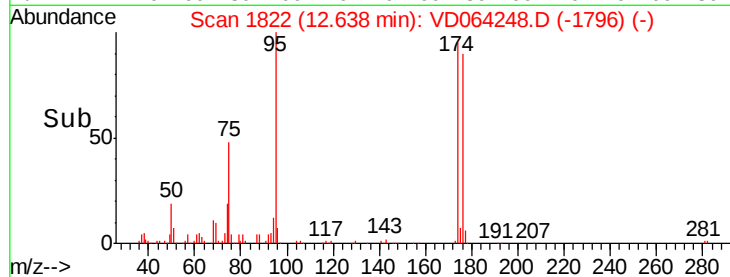
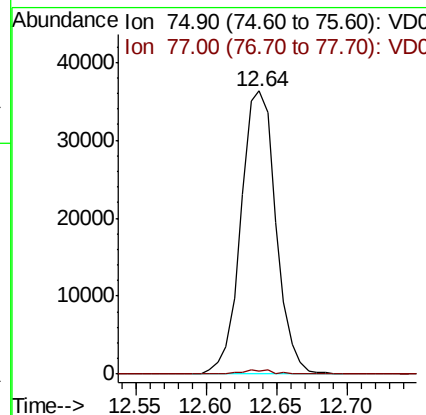
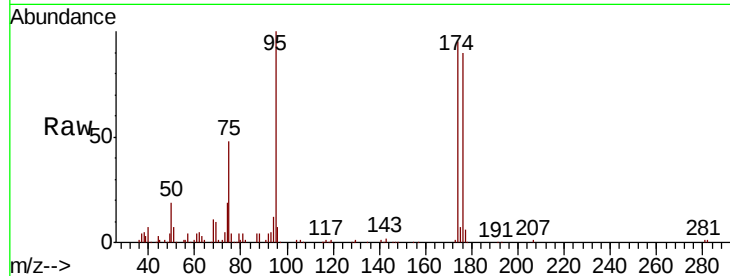
ClientSampled :

Tot Ion: 75 Resp: 62805

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.940 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064248.D

Acq: 16 Nov 2019 02:59

Tgt Ion: 75 Resp: 62805

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

89 0.0 36.6 55.0#

