

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064433.D
 Acq On : 05 Dec 2019 13:41
 Operator : VA/SY
 Sample : K6147-06
 Misc : 5.81G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:54:34 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	611266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	989361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	870923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	394832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	257367	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	7.92	113	298700	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	10.34	98	1179324	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.64	95	364527	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

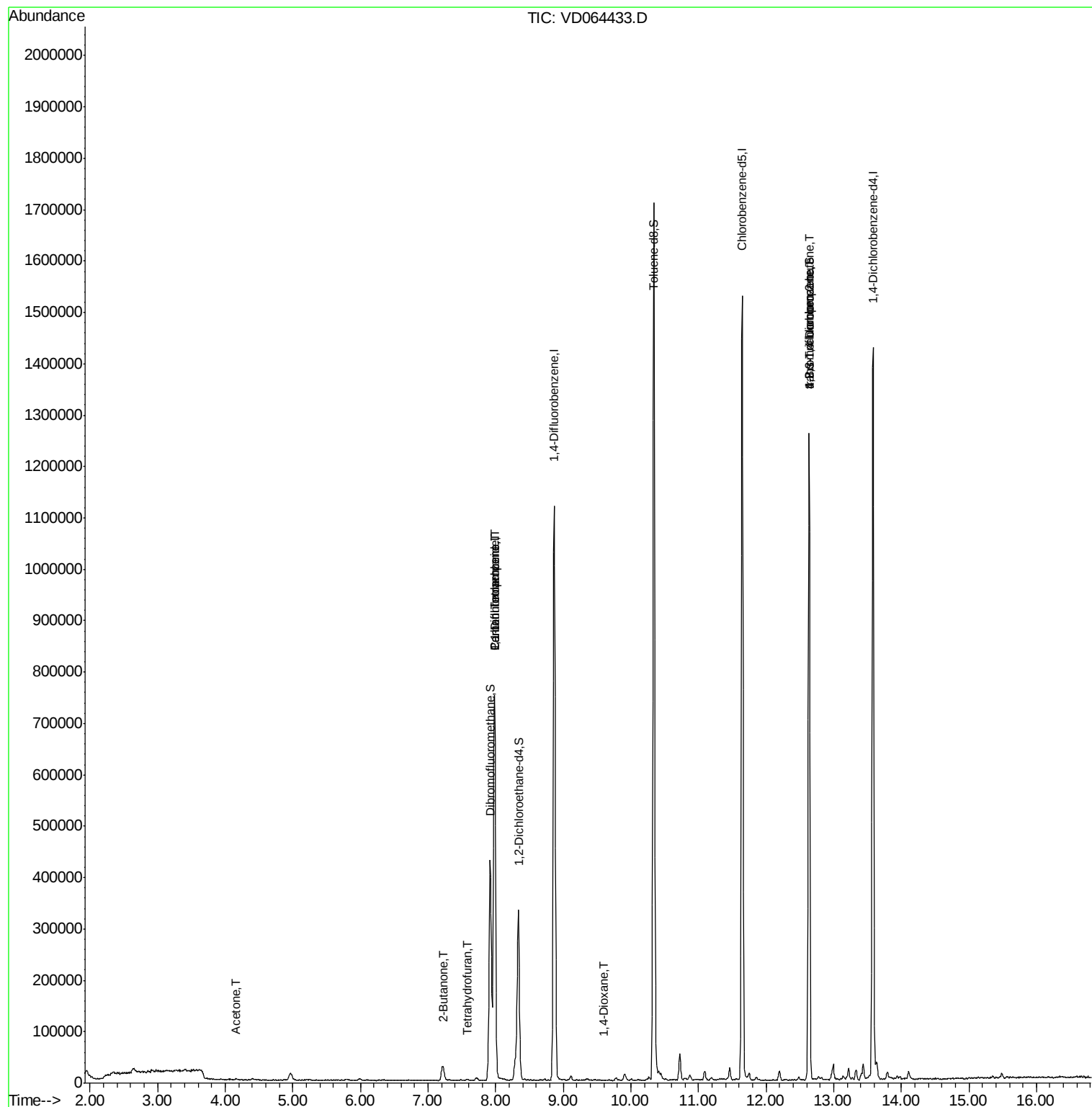
					Qvalue	
16) Acetone	4.16	43	1546	1.383	ug/l	90
20) Methylene Chloride	4.98	84	9682	Below Cal	#	73
25) 2-Butanone	7.23	43	2519	1.593	ug/l #	49
29) Tetrahydrofuran	7.57	42	1751	1.741	ug/l #	58
31) Cyclohexane	7.98	56	13965	Below Cal	#	50
36) 1,1-Dichloropropene	7.98	75	42252	4.515	ug/l #	50
38) Carbon Tetrachloride	7.98	117	57404	5.812	ug/l #	16
49) 1,4-Dioxane	9.60	88	62	1.431	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	186413	57.411	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	186413	125.187	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.53	75	60	Below Cal	#	1

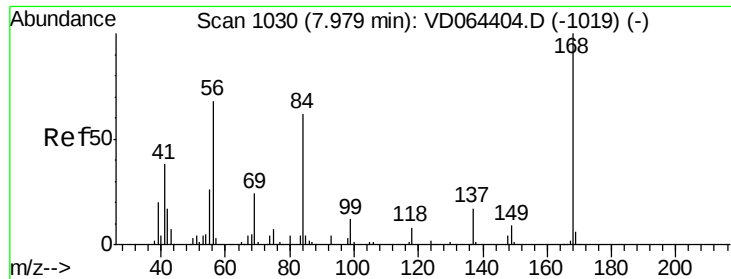
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
Data File : VD064433.D
Acq On : 05 Dec 2019 13:41
Operator : VA/SY
Sample : K6147-06
Misc : 5.81G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 06 05:54:34 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# 1031

Delta R.T. 0.01 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

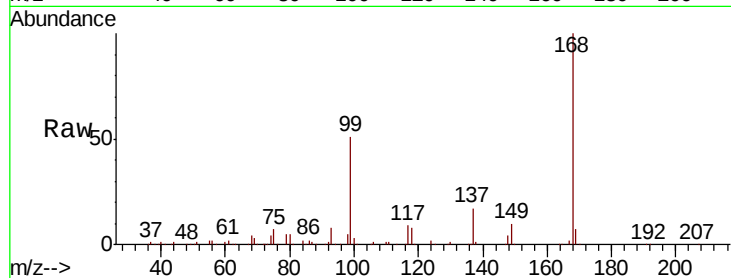
ClientSampleId :

Tot Ion:168 Resp: 611266

Ion Ratio Lower Upper

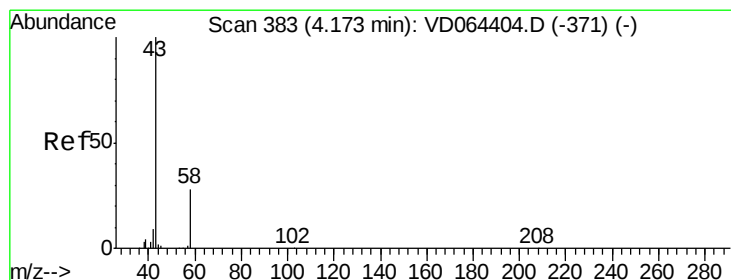
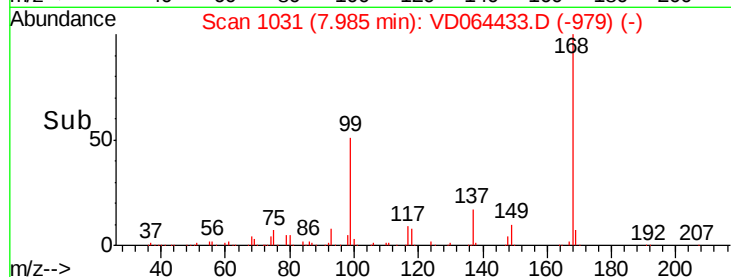
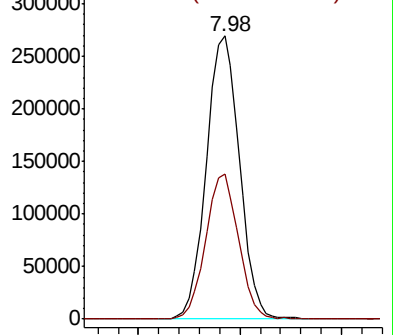
168 100

99 51.0 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: 1.383 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064433.D

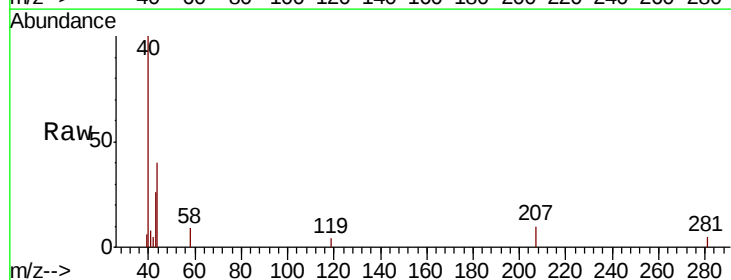
Acq: 05 Dec 2019 13:41

Tgt Ion: 43 Resp: 1546

Ion Ratio Lower Upper

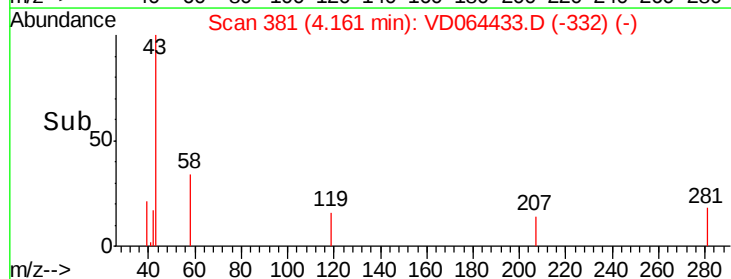
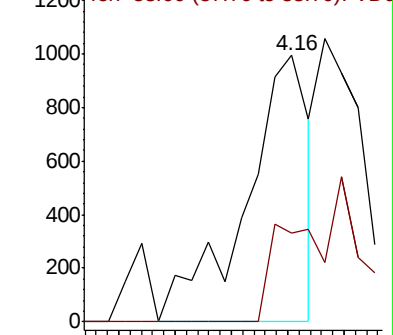
43 100

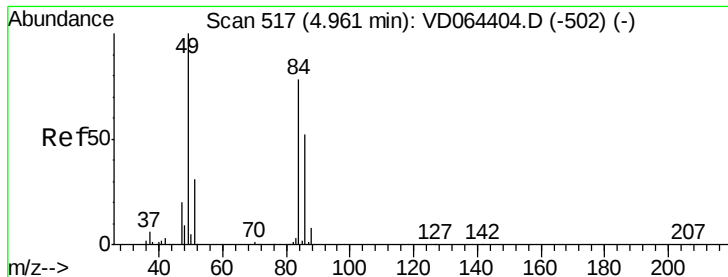
58 33.5 22.6 33.8



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: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 9682

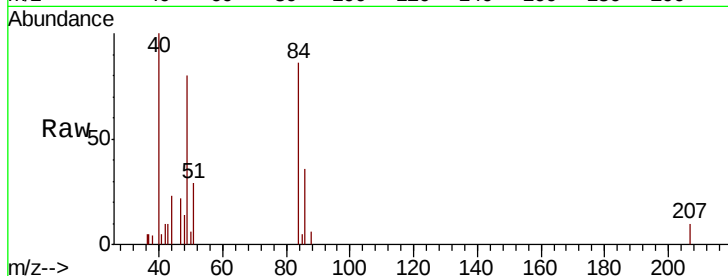
Ion Ratio Lower Upper

84 100

49 93.0 102.6 153.8#

51 33.7 32.0 48.0

86 41.8 53.4 80.0#

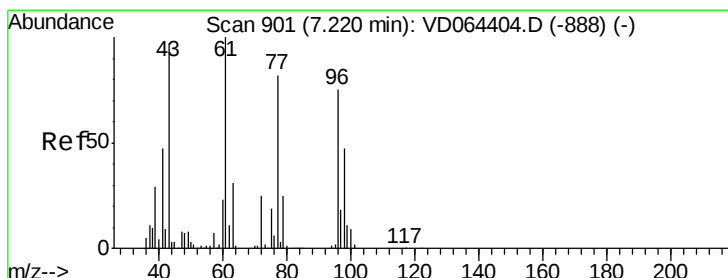
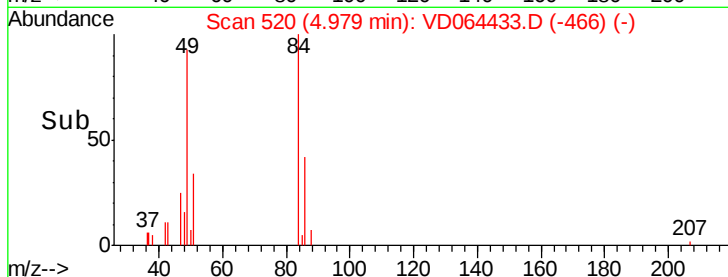
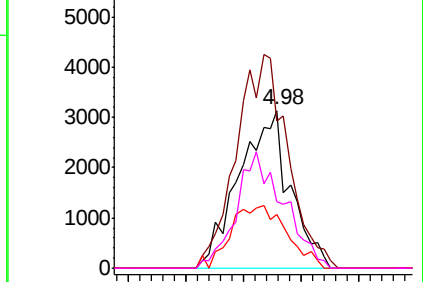


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.593 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064433.D

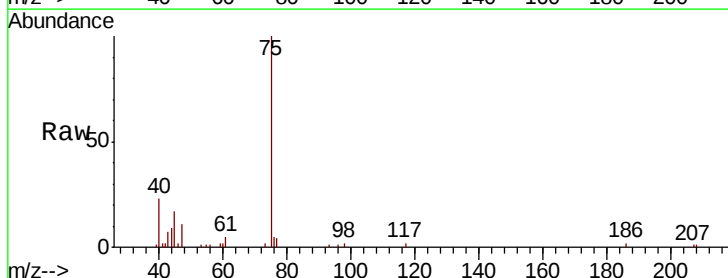
Acq: 05 Dec 2019 13:41

Tgt Ion: 43 Resp: 2519

Ion Ratio Lower Upper

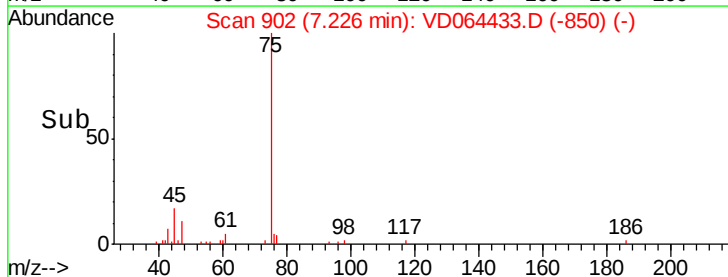
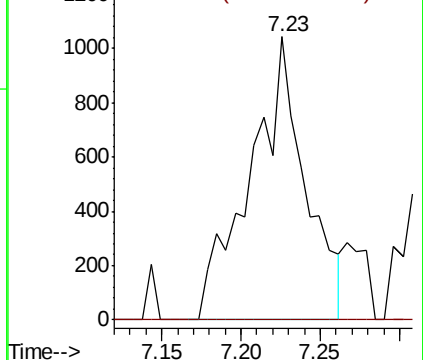
43 100

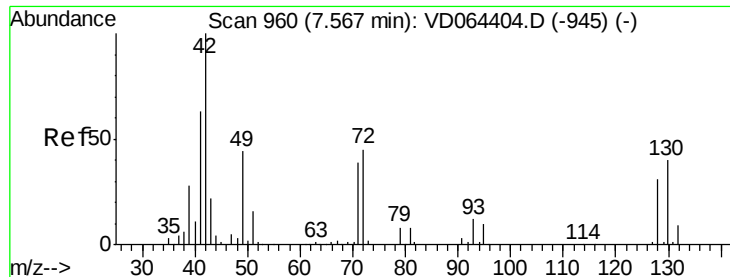
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

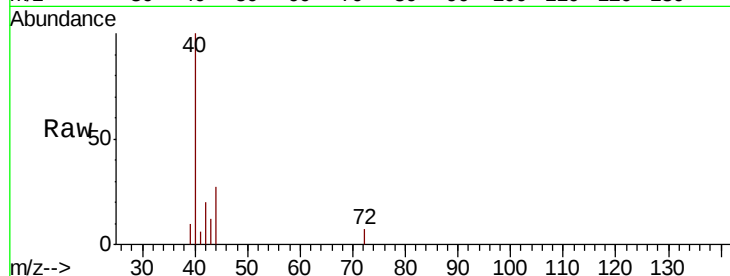




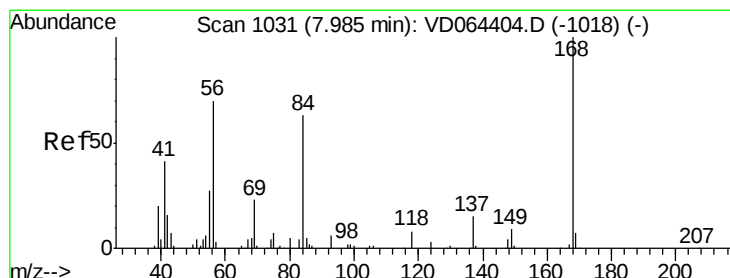
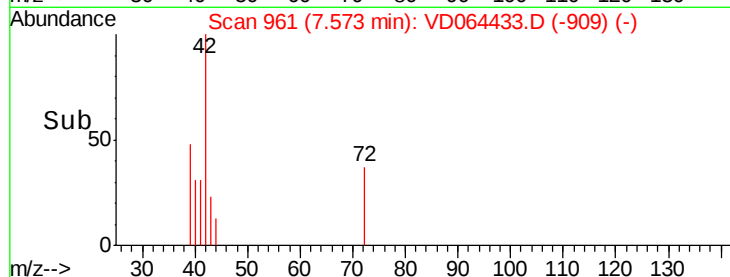
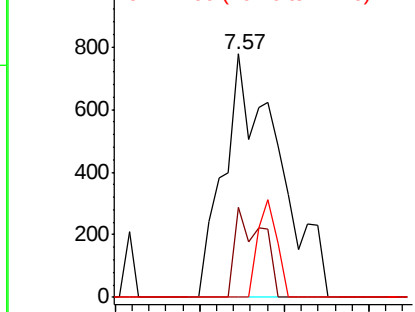
#29
Tetrahydrofuran
Concen: 1.741 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064433.D
Acq: 05 Dec 2019 13:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 1751
Ion Ratio Lower Upper
42 100
72 18.2 35.8 53.8#
71 14.3 32.7 49.1#

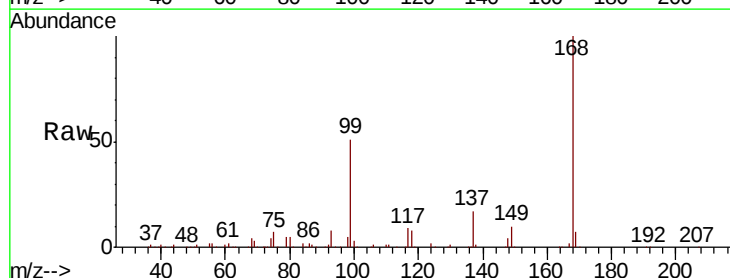


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

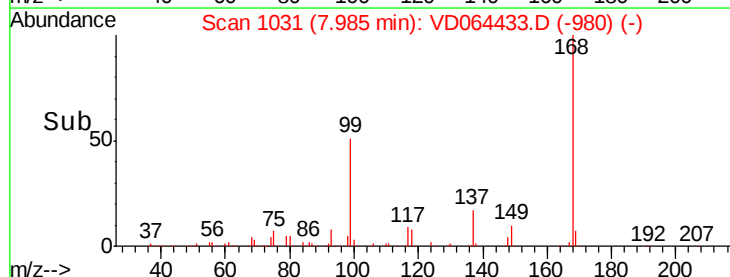
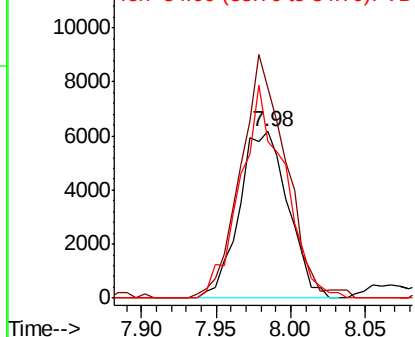


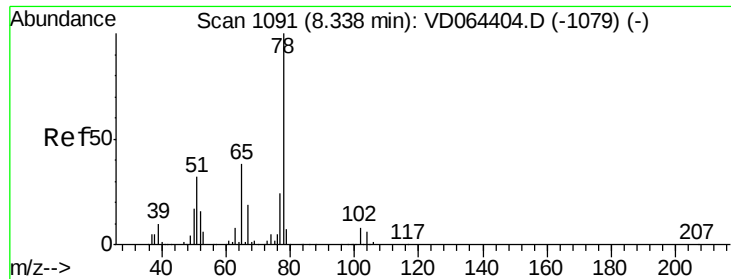
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064433.D
Acq: 05 Dec 2019 13:41

Tgt Ion: 56 Resp: 13965
Ion Ratio Lower Upper
56 100
69 126.8 26.2 39.4#
84 93.9 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

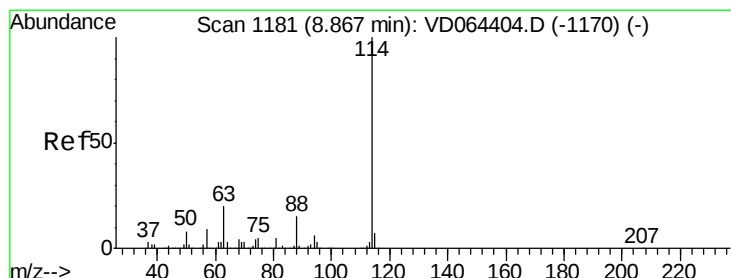
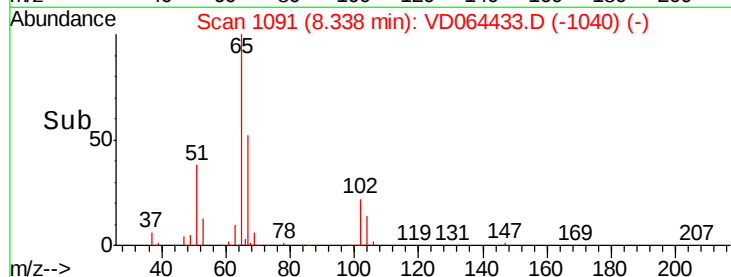
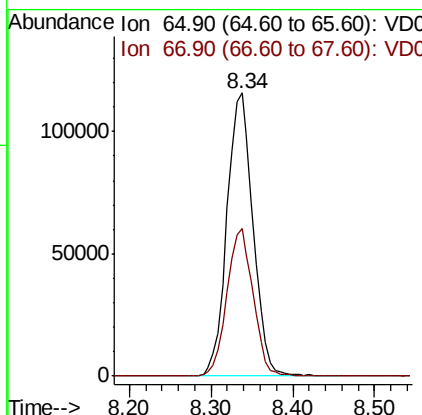
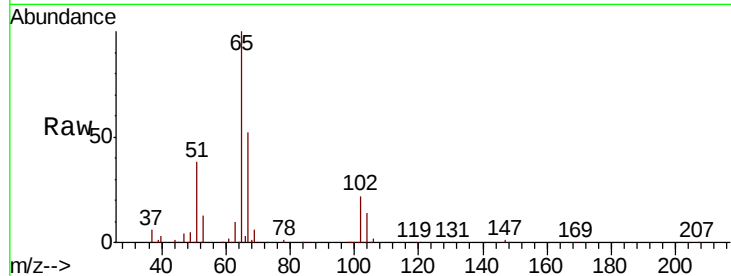




#33
 1,2-Dichloroethane-d4
 Concen: 46.516 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064433.D
 Acq: 05 Dec 2019 13:41

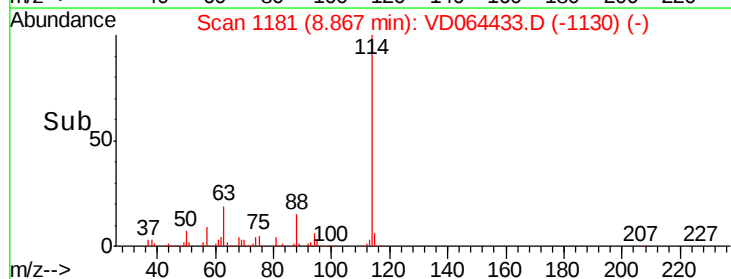
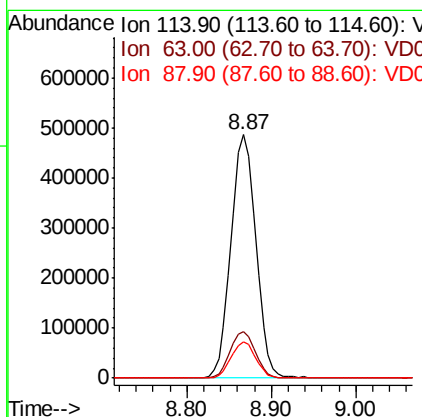
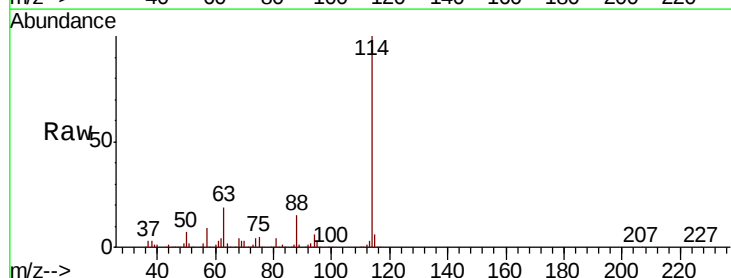
Instrument :
 MSVOA_D
 ClientSampleId :

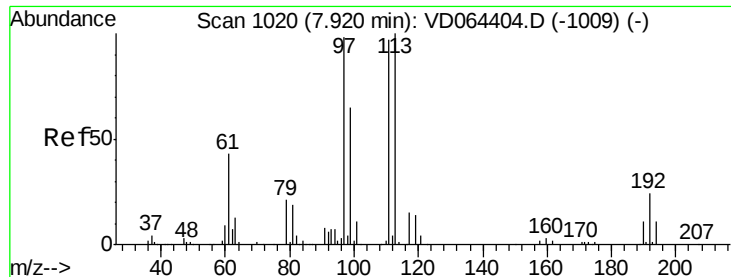
Tot Ion: 65 Resp: 257367
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064433.D
 Acq: 05 Dec 2019 13:41

Tgt Ion: 114 Resp: 989361
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.0 0.0 29.2

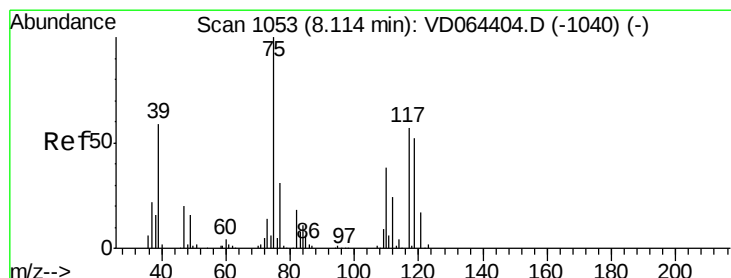
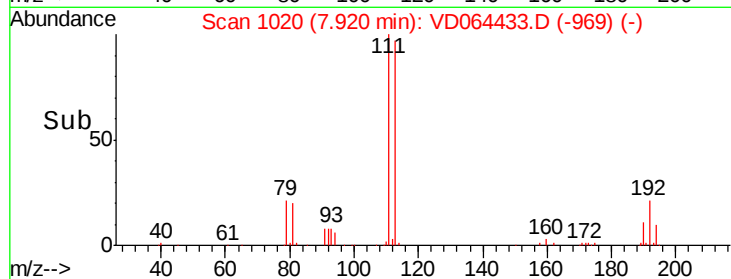
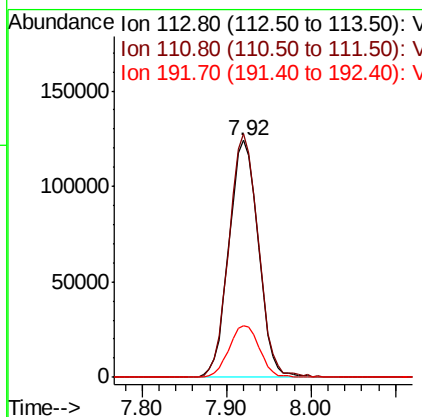
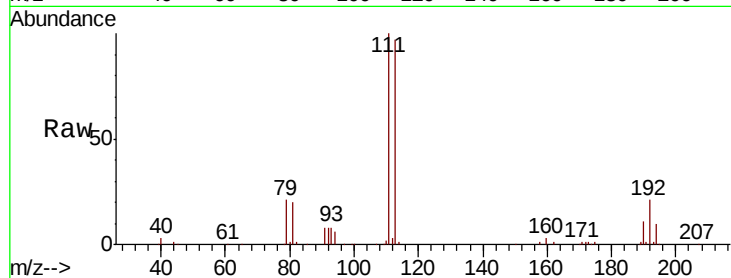




#35
 Dibromofluoromethane
 Concen: 47.919 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064433.D
 Acq: 05 Dec 2019 13:41

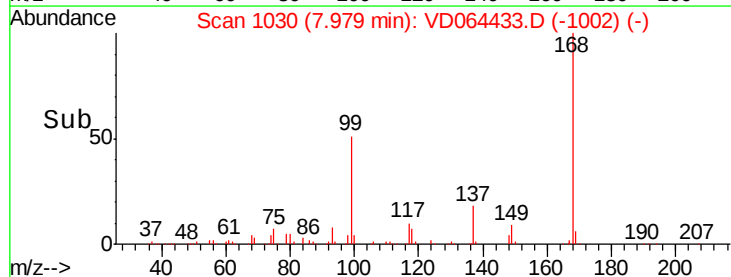
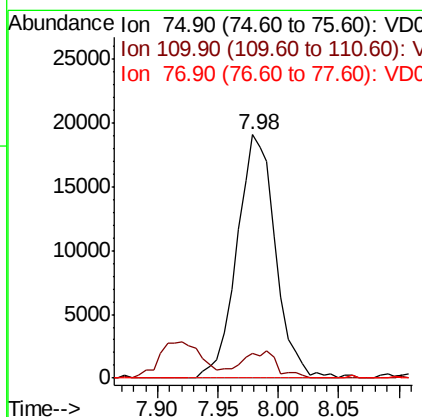
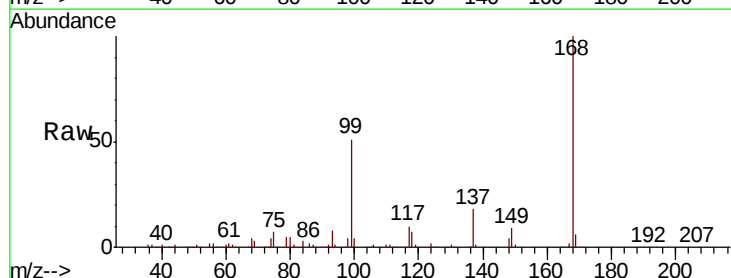
Instrument :
 MSVOA_D
 ClientSampleId :

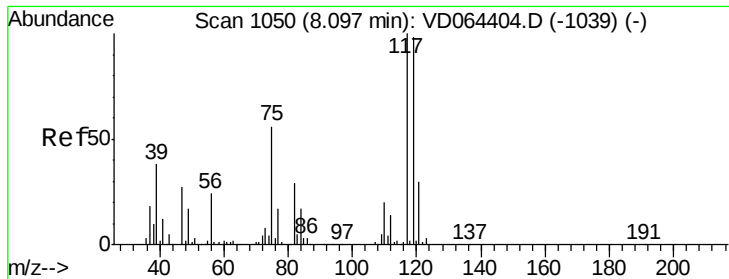
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	79.4	119.2
192	22.5	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064433.D
 Acq: 05 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.6	55.8#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

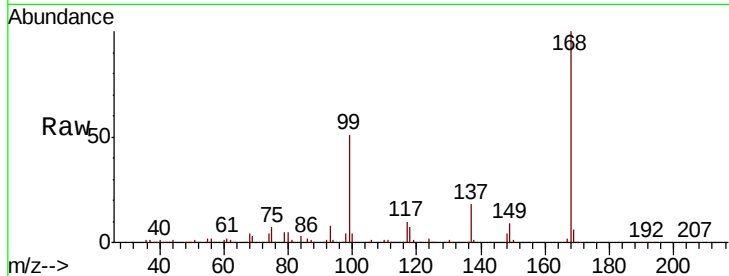
Tot Ion:117 Resp: 57404

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

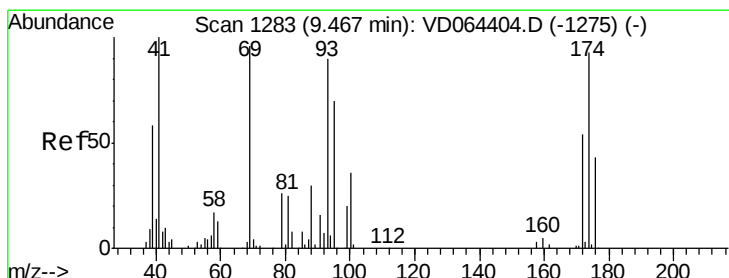
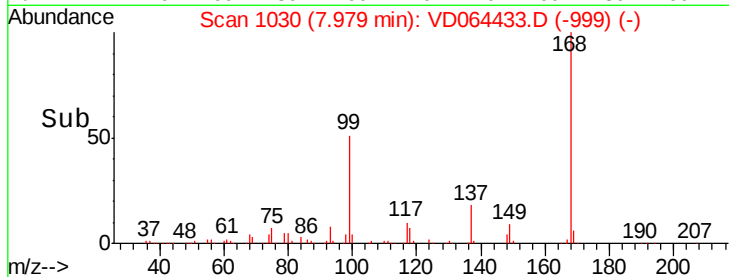
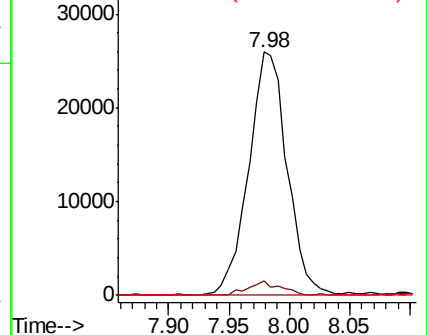
121 0.0 24.2 36.2#



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: 1.431 ug/l

RT: 9.60 min Scan# 1306

Delta R.T. 0.14 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

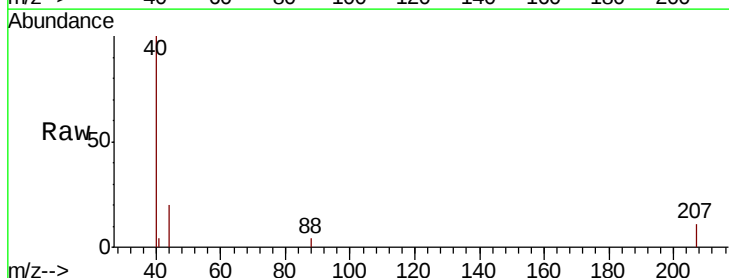
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 26.7 40.1#

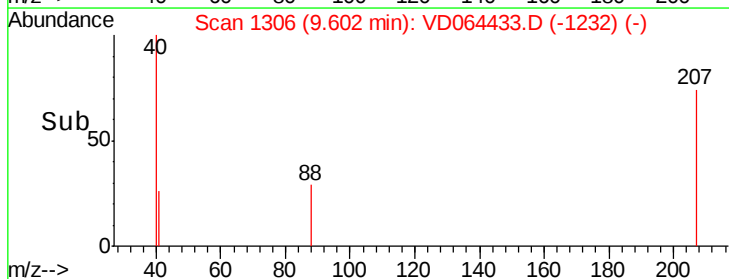
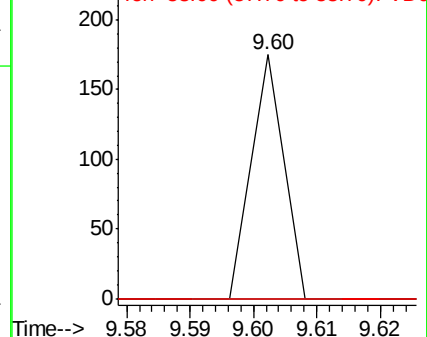
58 0.0 52.3 78.5#

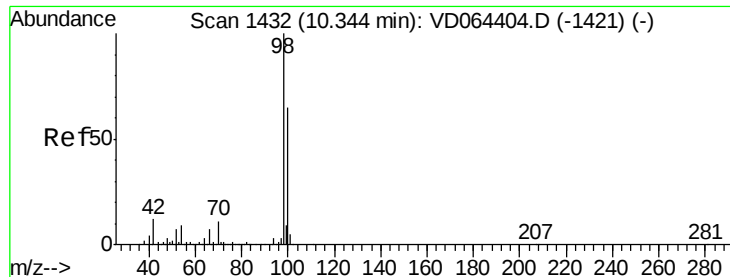


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 50.225 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

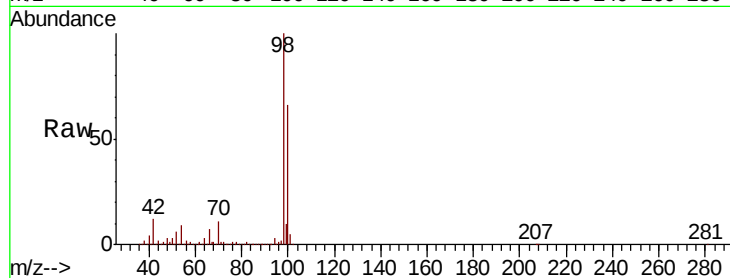
ClientSampleId :

Tot Ion: 98 Resp: 1179324

Ion Ratio Lower Upper

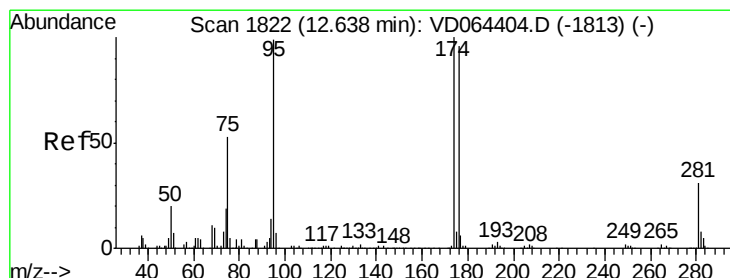
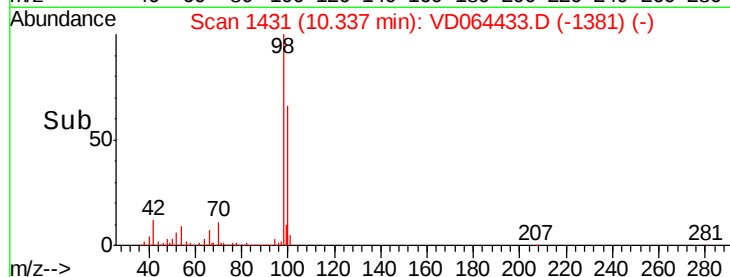
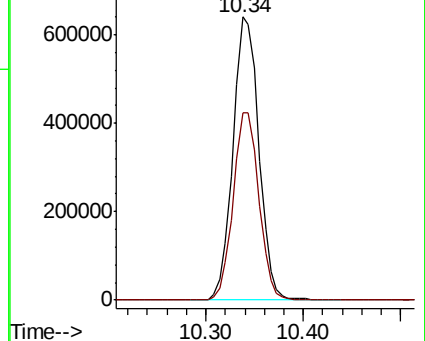
98 100

100 65.9 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: 48.307 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

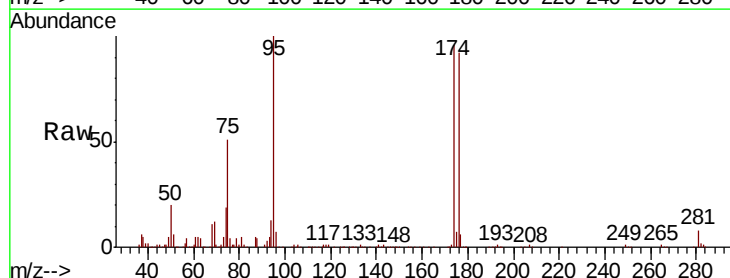
Tgt Ion: 95 Resp: 364527

Ion Ratio Lower Upper

95 100

174 95.2 0.0 197.2

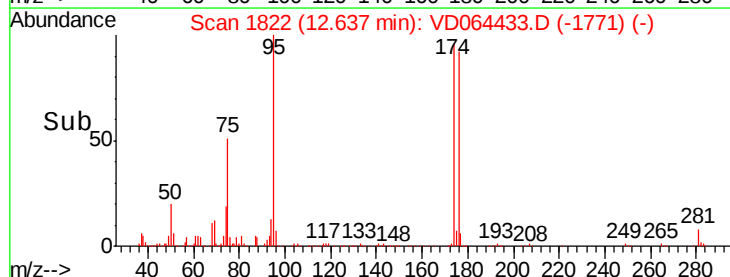
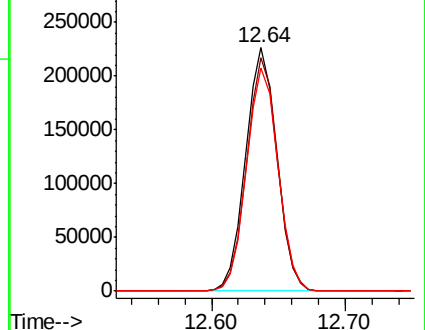
176 92.5 0.0 189.6

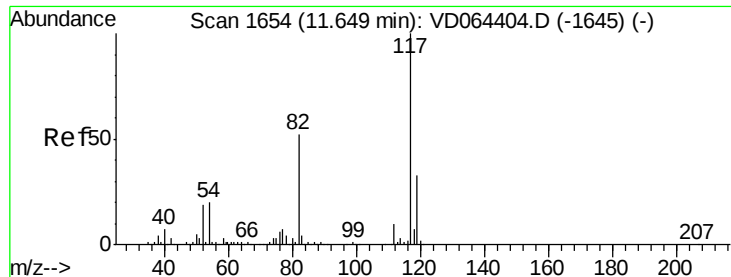


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

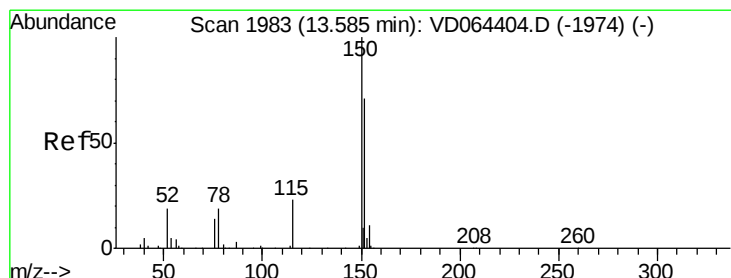
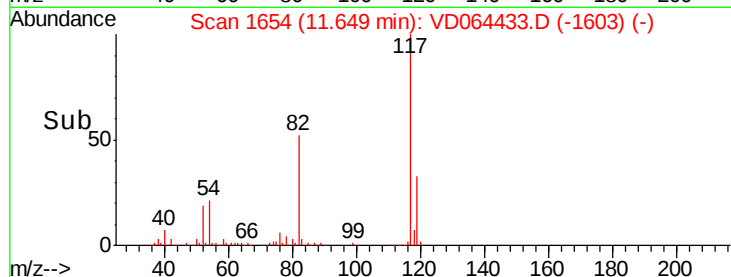
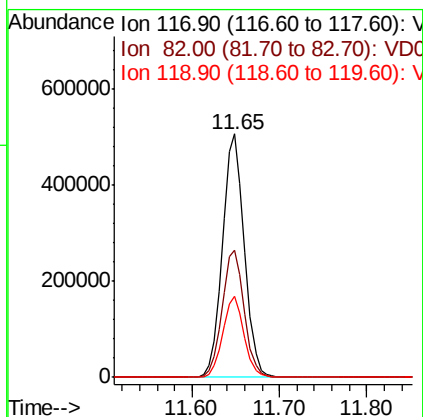
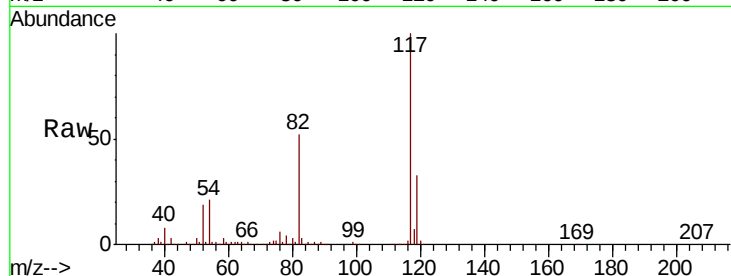




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064433.D
Acq: 05 Dec 2019 13:41

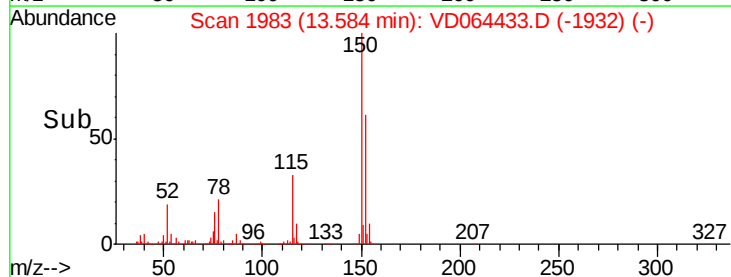
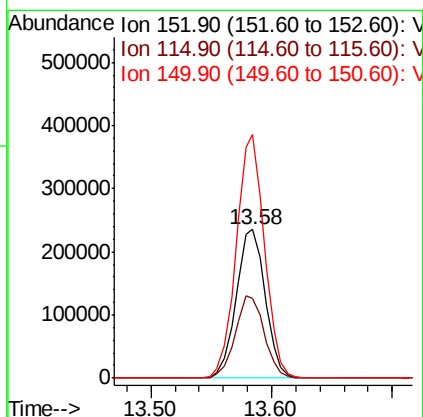
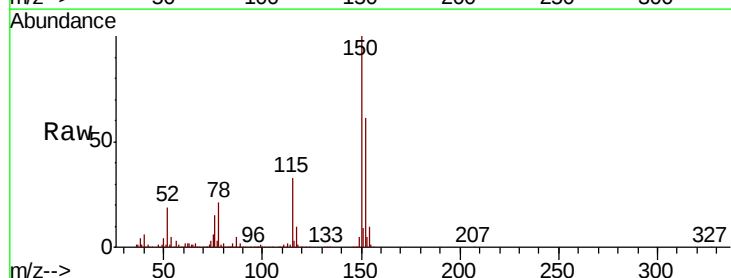
Instrument :
MSVOA_D
ClientSampleId :

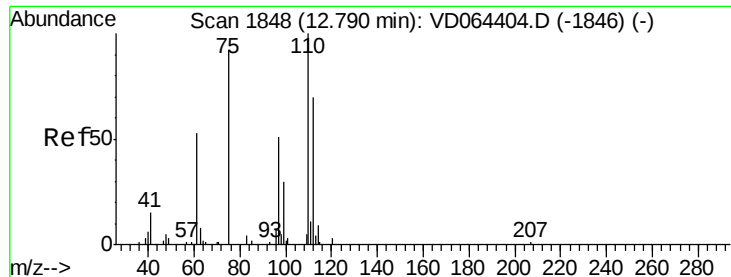
Tot Ion:117 Resp: 870923
Ion Ratio Lower Upper
117 100
82 52.5 41.4 62.2
119 33.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064433.D
Acq: 05 Dec 2019 13:41

Tgt Ion:152 Resp: 394832
Ion Ratio Lower Upper
152 100
115 54.8 26.7 80.1
150 158.6 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 57.411 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

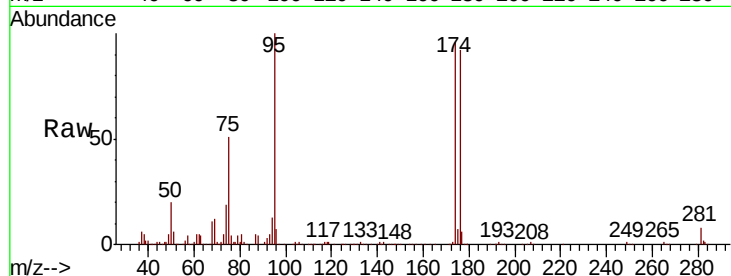
ClientSampled :

Tot Ion: 75 Resp: 186413

Ion Ratio Lower Upper

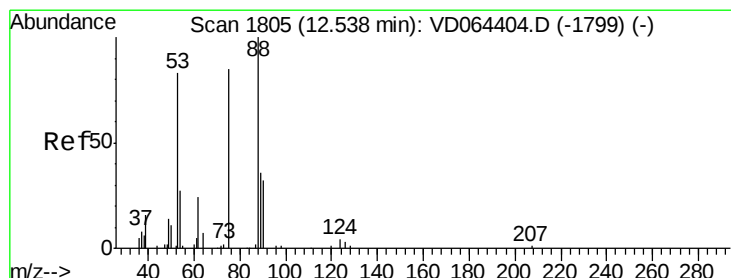
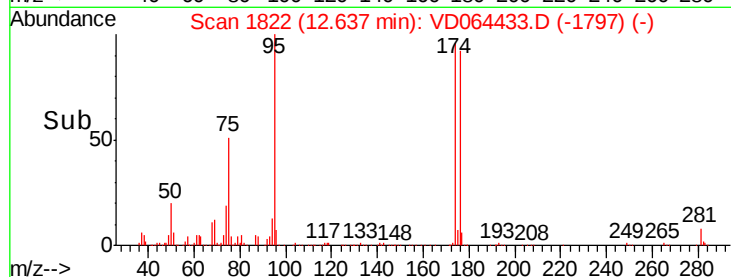
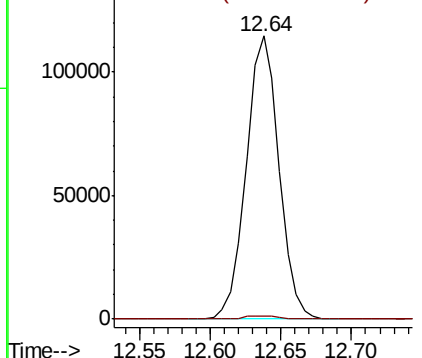
75 100

77 1.3 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: 125.187 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

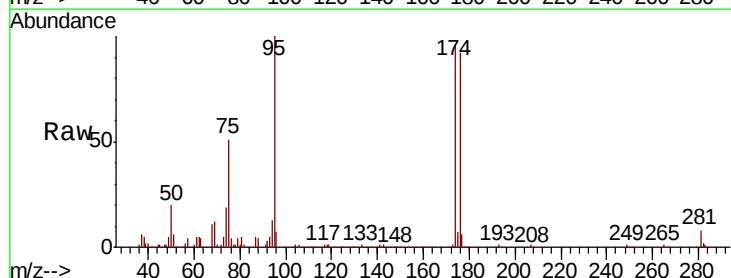
Tgt Ion: 75 Resp: 186413

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

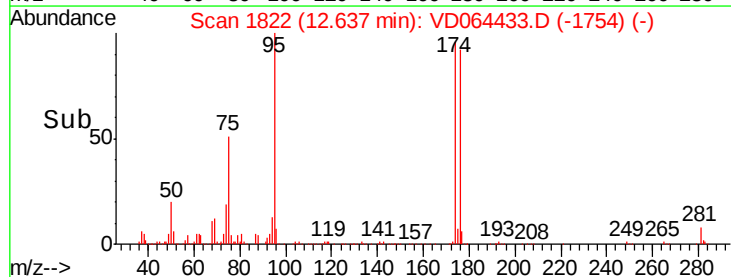
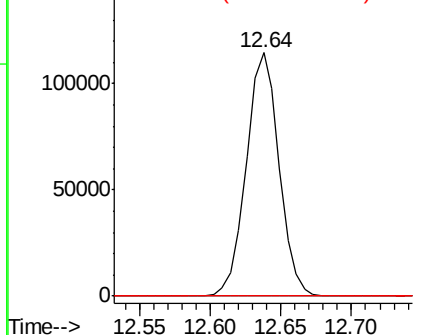
89 0.0 38.5 57.7#

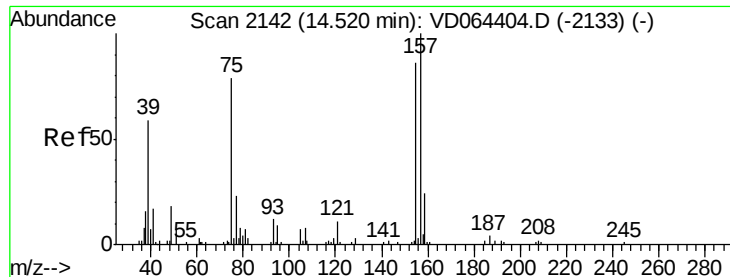


Abundance Ion 74.90 (74.60 to 75.60): VDC

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: 14.53 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VD064433.D

Acq: 05 Dec 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

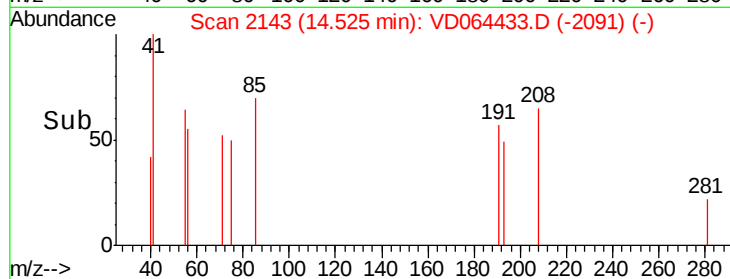
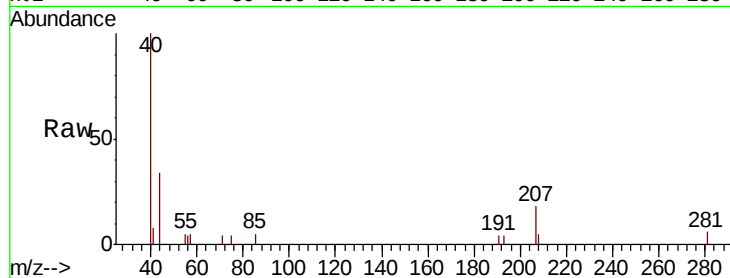
Tot Ion: 75 Resp: 60

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

