

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063741.D
 Acq On : 22 Aug 2019 18:47
 Operator : JC/SY
 Sample : K4403-09RE
 Misc : 5.77g/5ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-H4-(2.5)RE

Quant Time: Aug 23 07:00:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	757654	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	921259	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	777871	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	333108	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	526308	64.99	ug/l	-0.01
Spiked Amount			Recovery	=	129.98%	
35) Dibromofluoromethane	6.92	113	632759	81.55	ug/l	-0.01
Spiked Amount			Recovery	=	163.10%	
50) Toluene-d8	10.41	98	1296912	76.03	ug/l	-0.01
Spiked Amount			Recovery	=	152.06%	
62) 4-Bromofluorobenzene	13.56	95	424077	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	

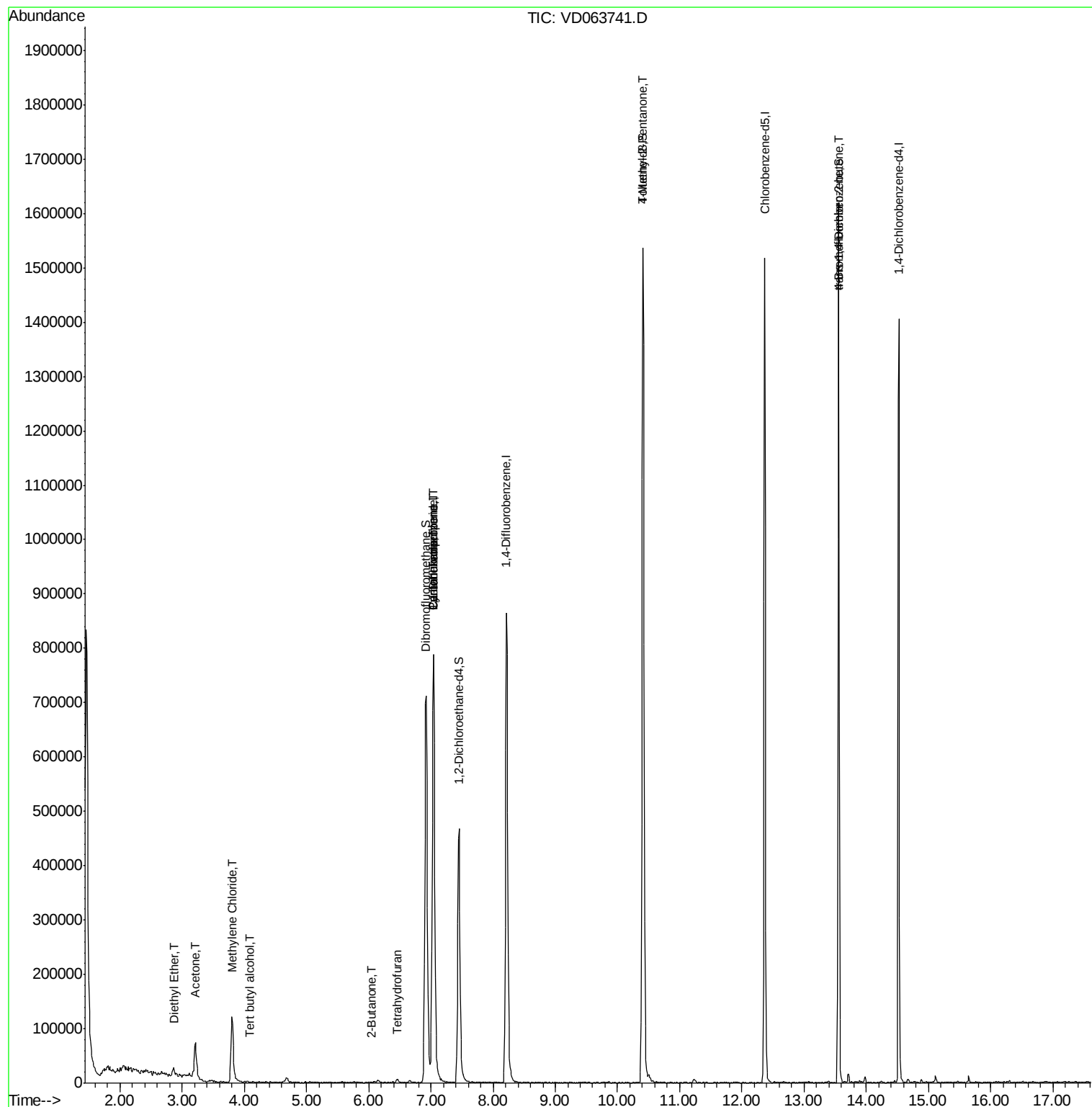
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	6359	3.230	ug/l	88
11) Tert butyl alcohol	4.10	59	399	1.132	ug/l #	71
16) Acetone	3.21	43	145534	88.400	ug/l	96
20) Methylene Chloride	3.81	84	74061	10.403	ug/l	92
25) 2-Butanone	6.05	43	2235	1.375	ug/l #	58
29) Tetrahydrofuran	6.46	42	5267	6.952	ug/l #	71
31) Cyclohexane	7.03	56	15961	2.183	ug/l #	13
36) 1,1-Dichloropropene	7.03	75	52297	6.421	ug/l #	48
38) Carbon Tetrachloride	7.04	117	73894	6.020	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	7126	2.278	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	193004	187.836	ug/l #	1

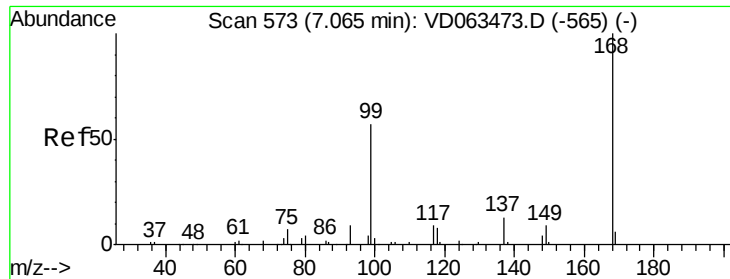
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

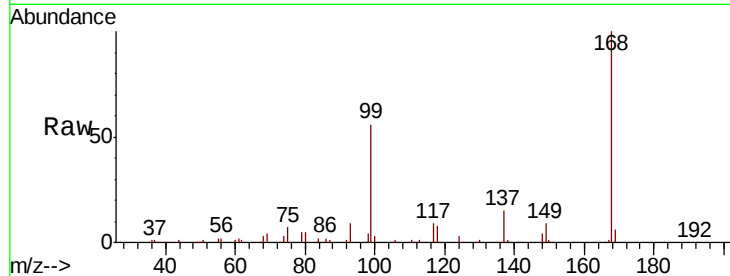
T1-H4-(2.5)RE

Tgt Ion:168 Resp: 757654

Ion Ratio Lower Upper

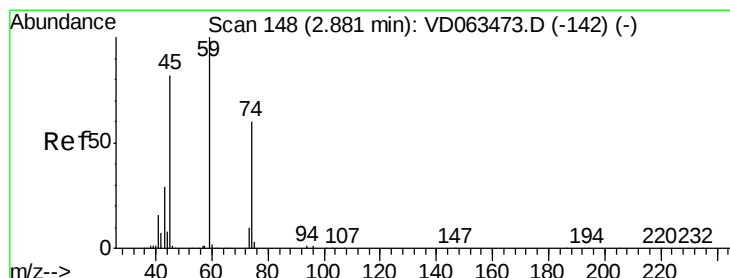
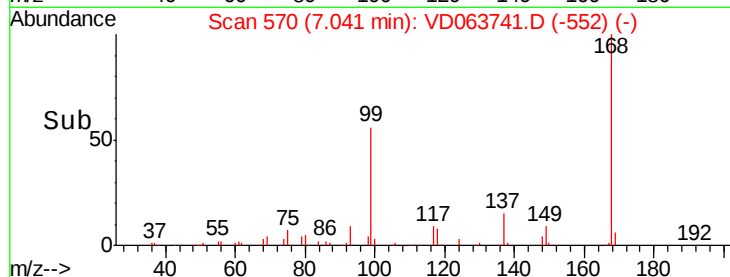
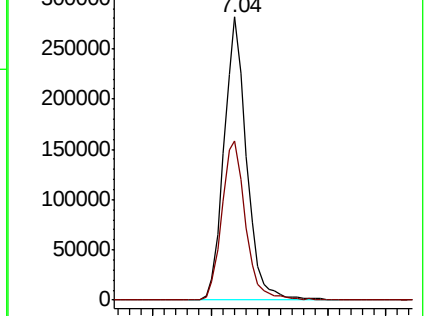
168 100

99 56.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 3.230 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063741.D

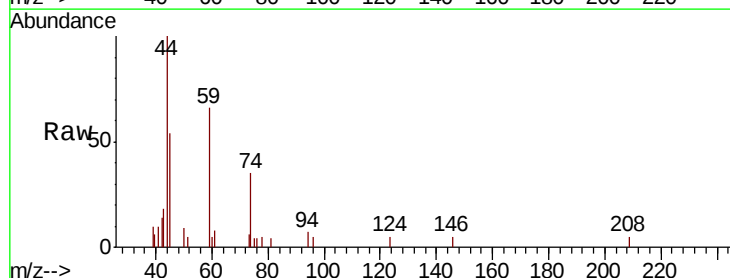
Acq: 22 Aug 2019 18:47

Tgt Ion: 74 Resp: 6359

Ion Ratio Lower Upper

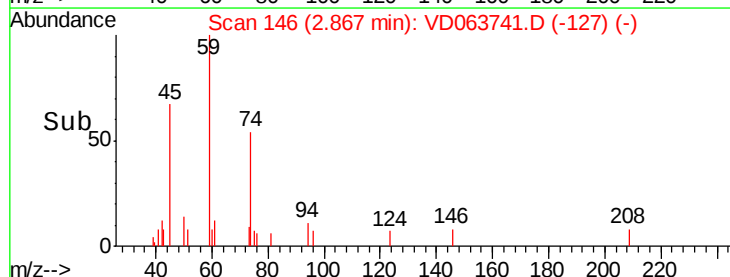
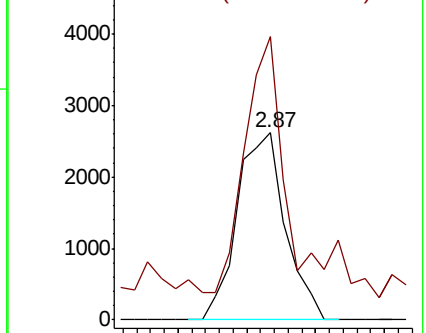
74 100

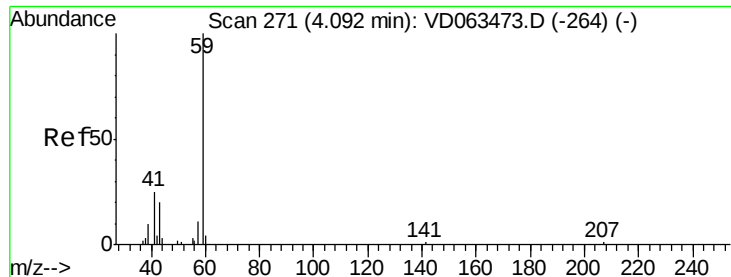
45 151.5 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

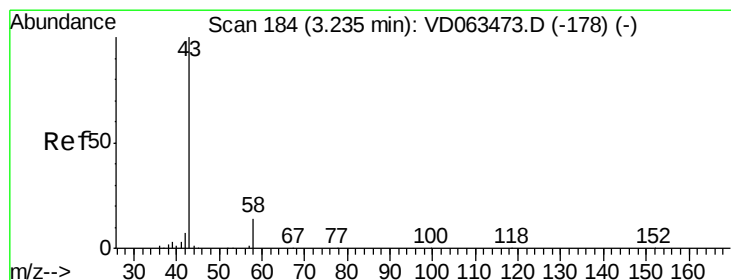
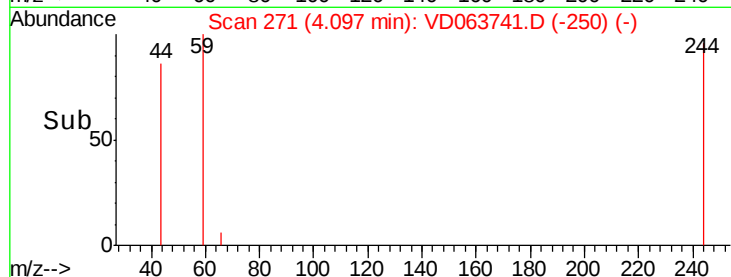
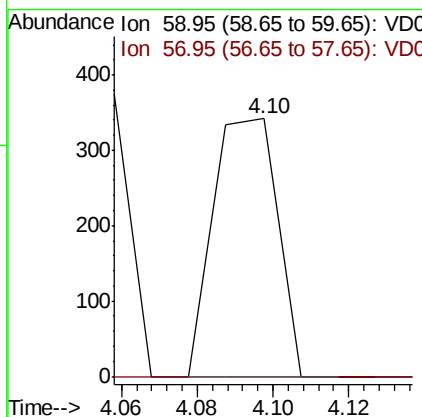
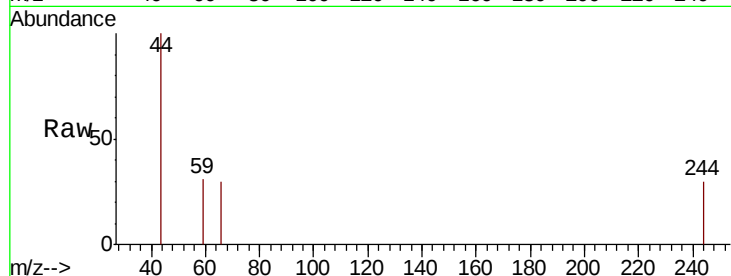




#11
Tert butyl alcohol
Concen: 1.132 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

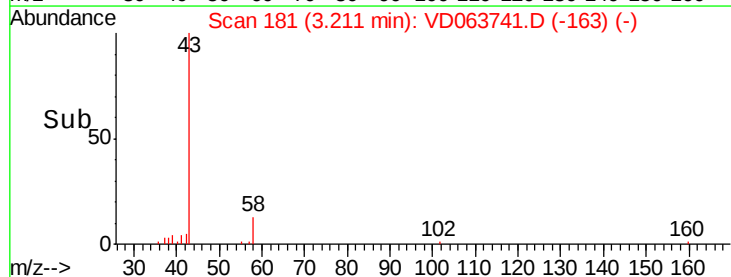
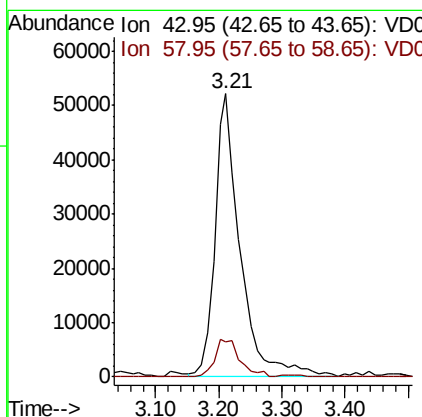
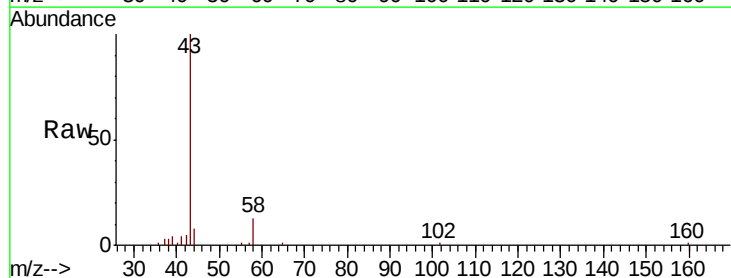
Instrument :
MSVOA_D
ClientSampleId :
T1-H4-(2.5)RE

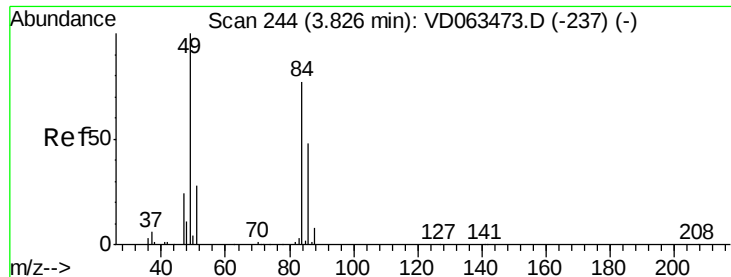
Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 88.400 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.02 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

Tgt Ion: 43 Resp: 145534
Ion Ratio Lower Upper
43 100
58 12.6 11.4 17.2





#20

Methylene Chloride

Concen: 10.403 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

T1-H4-(2.5)RE

Tgt Ion: 84 Resp: 74061

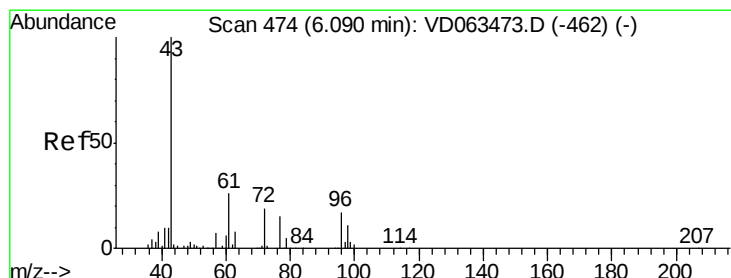
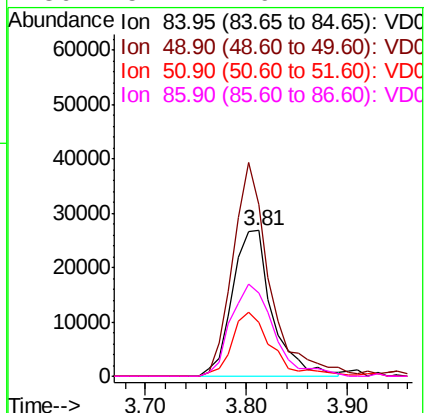
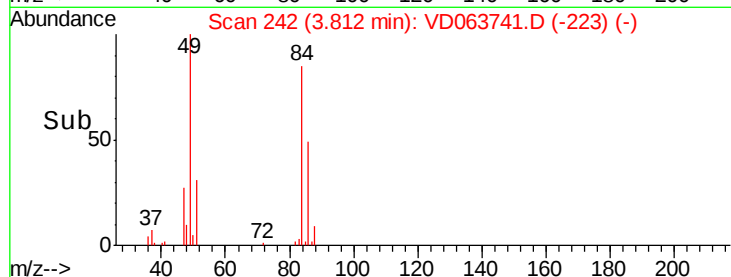
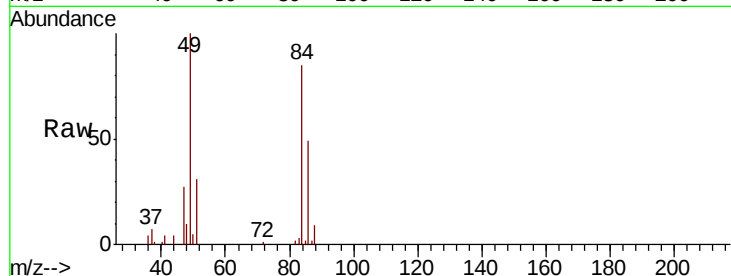
Ion Ratio Lower Upper

84 100

49 117.7 103.4 155.2

51 36.8 28.5 42.7

86 57.4 49.4 74.2



#25

2-Butanone

Concen: 1.375 ug/l

RT: 6.05 min Scan# 469

Delta R.T. -0.04 min

Lab File: VD063741.D

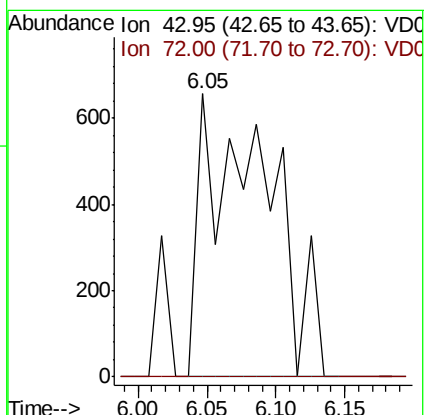
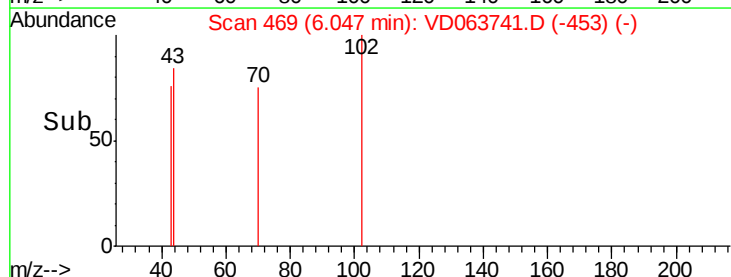
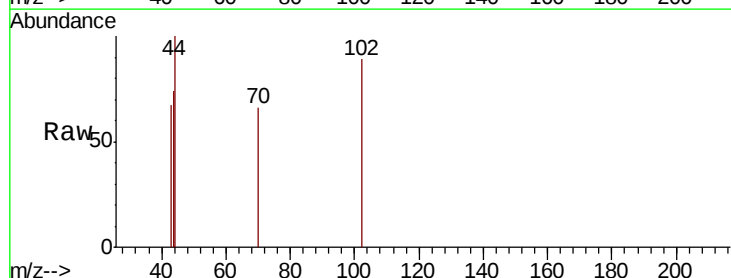
Acq: 22 Aug 2019 18:47

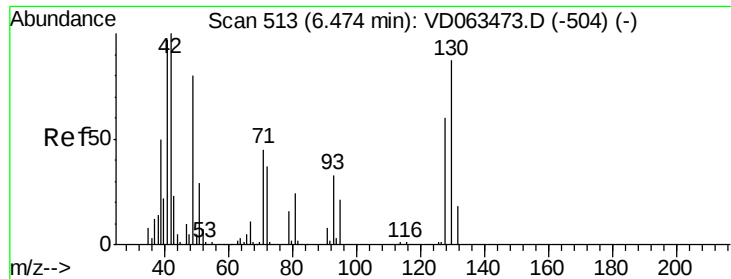
Tgt Ion: 43 Resp: 2235

Ion Ratio Lower Upper

43 100

72 0.0 15.1 22.7#

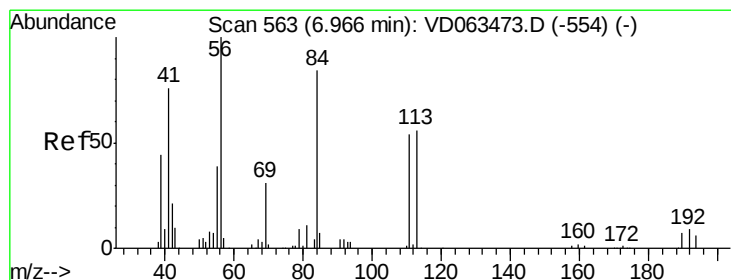
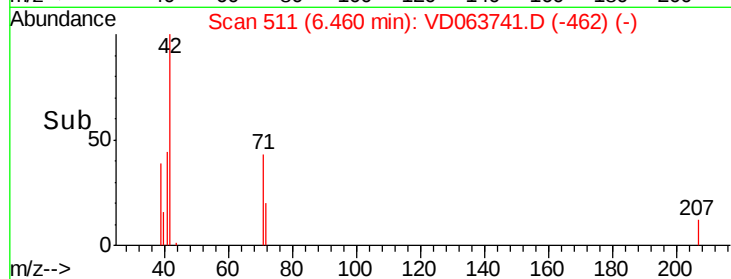
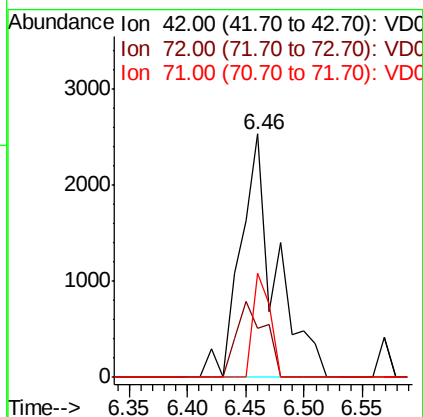
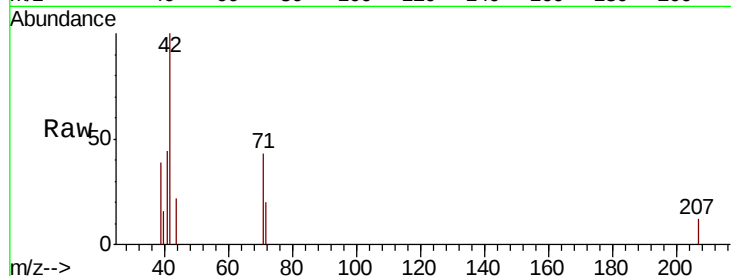




#29
Tetrahydrofuran
Concen: 6.952 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

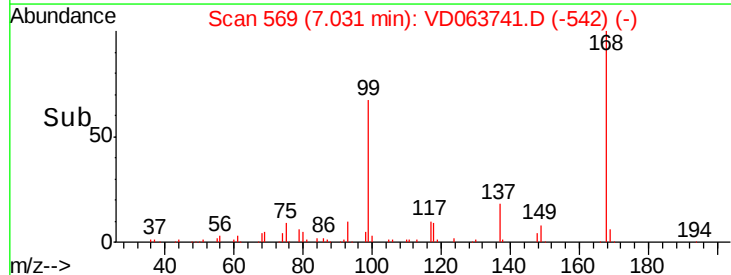
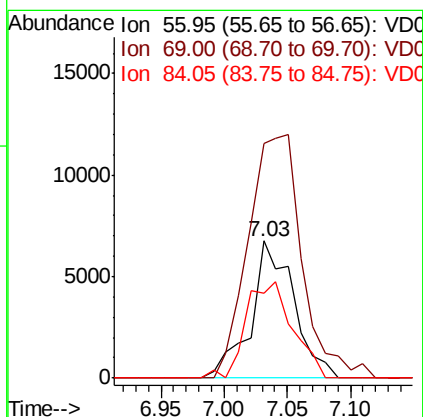
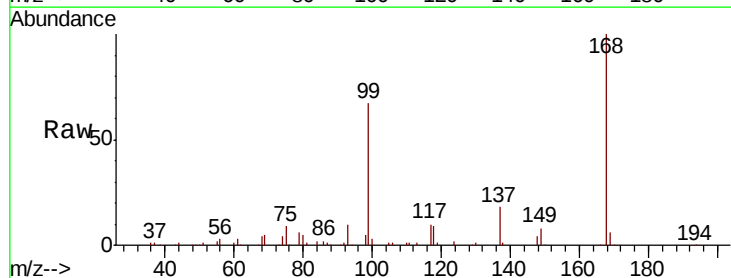
Instrument :
MSVOA_D
ClientSampleId :
T1-H4-(2.5)RE

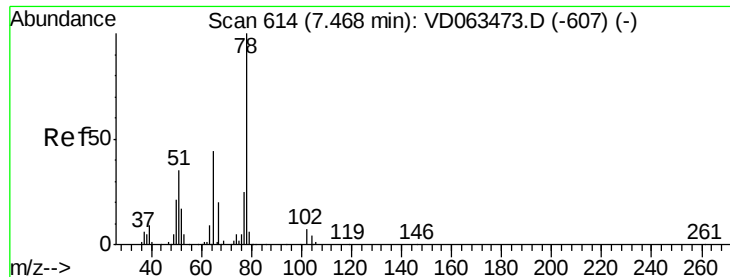
Tgt Ion: 42 Resp: 5267
Ion Ratio Lower Upper
42 100
72 25.2 31.5 47.3#
71 20.6 33.8 50.8#



#31
Cyclohexane
Concen: 2.183 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

Tgt Ion: 56 Resp: 15961
Ion Ratio Lower Upper
56 100
69 171.1 25.0 37.6#
84 62.1 69.7 104.5#

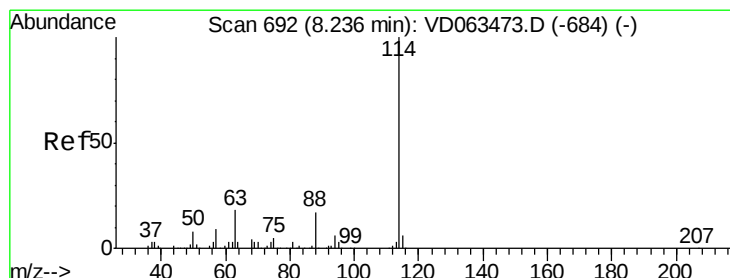
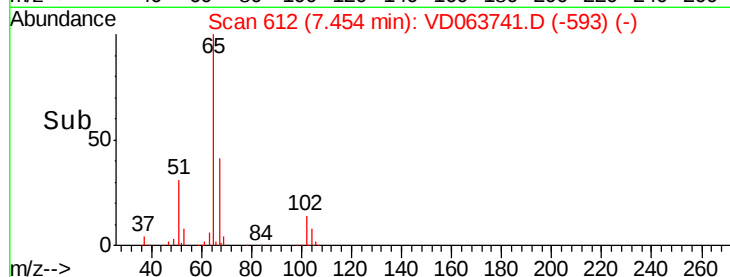
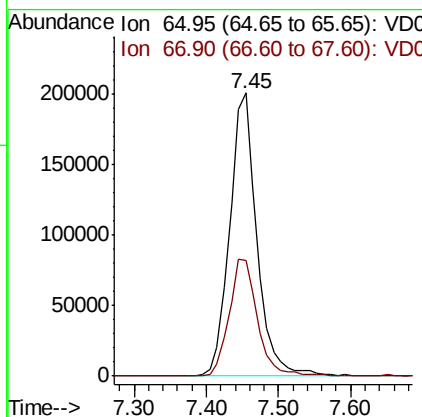
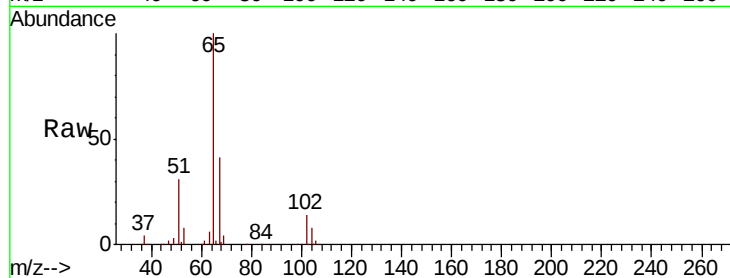




#33
 1,2-Dichloroethane-d4
 Concen: 64.986 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

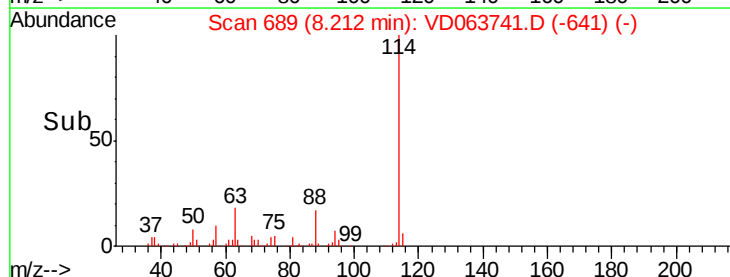
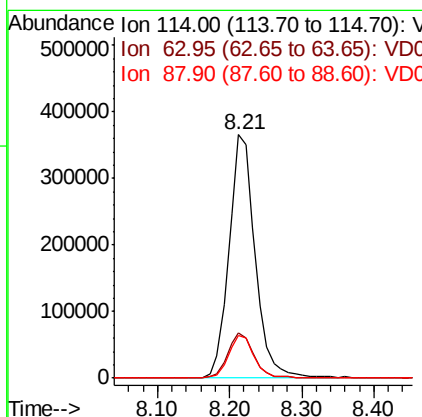
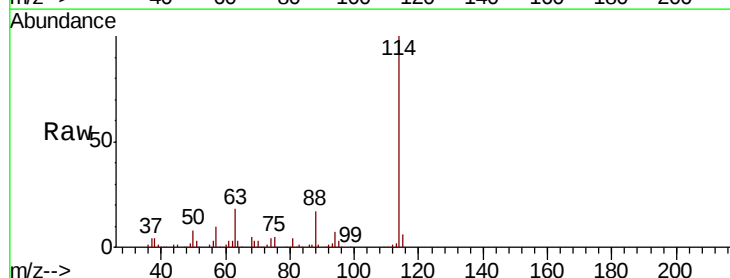
Instrument :
 MSVOA_D
 ClientSampleId :
 T1-H4(2.5)RE

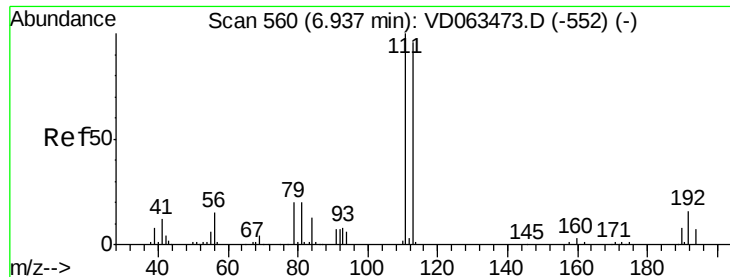
Tgt Ion: 65 Resp: 526308
 Ion Ratio Lower Upper
 65 100
 67 41.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

Tgt Ion: 114 Resp: 921259
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 17.3 0.0 35.0

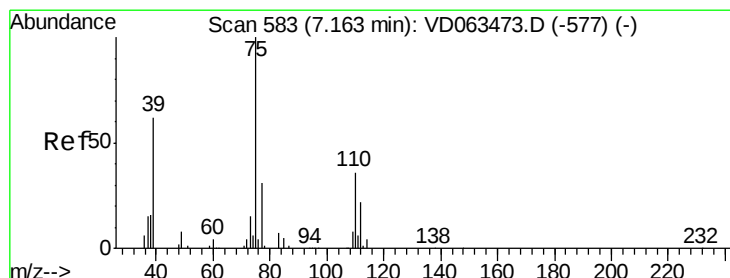
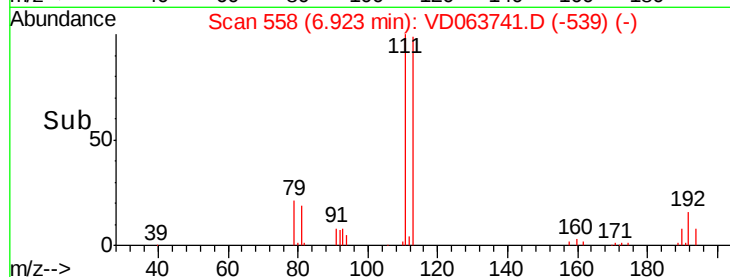
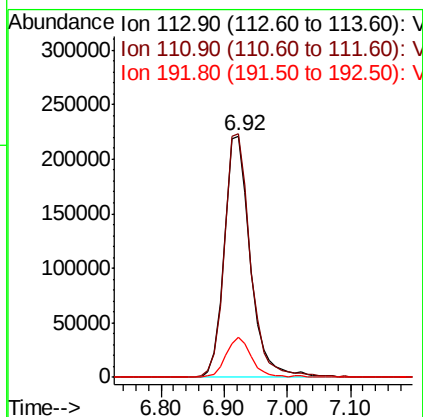
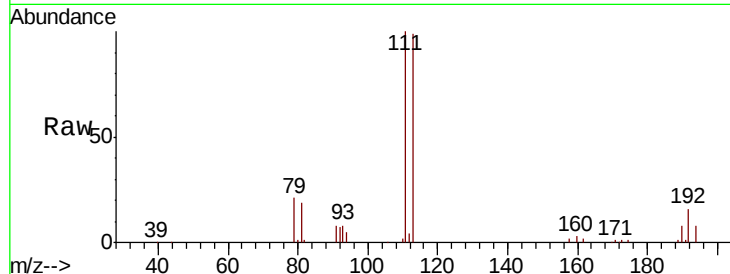




#35
 Dibromofluoromethane
 Concen: 81.553 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

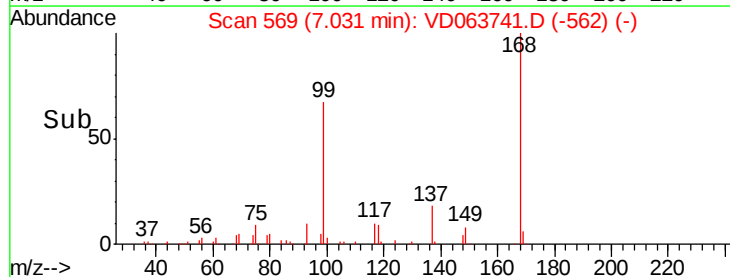
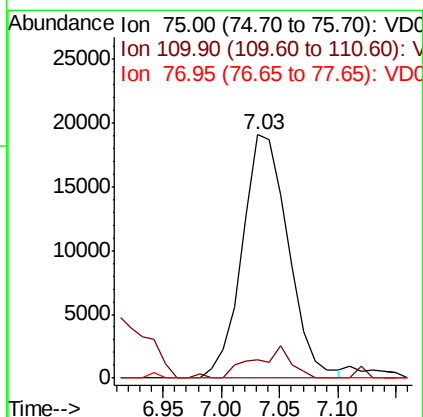
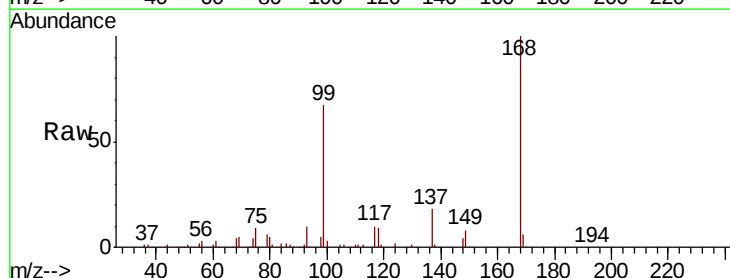
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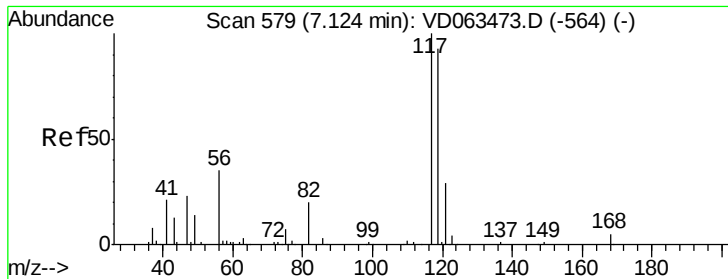
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	16.4	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 6.421 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.020 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

T1-H4(2.5)RE

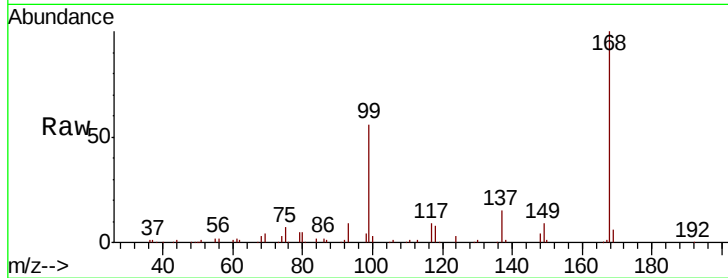
Tgt Ion:117 Resp: 73894

Ion Ratio Lower Upper

117 100

119 3.9 74.2 111.2#

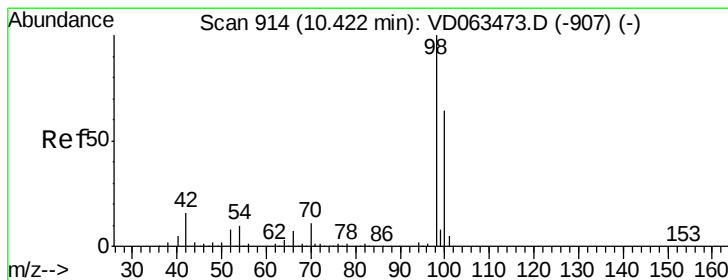
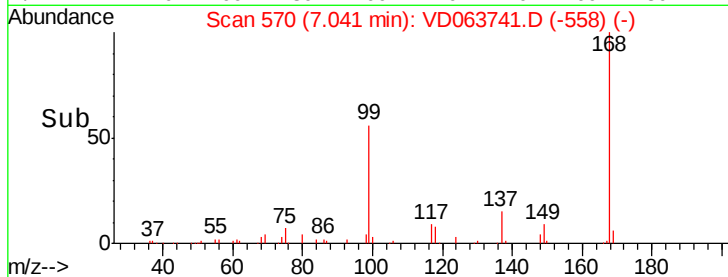
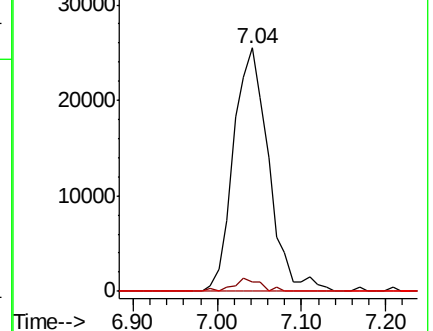
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 76.028 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063741.D

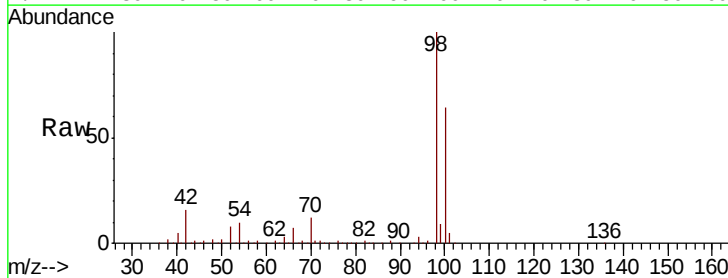
Acq: 22 Aug 2019 18:47

Tgt Ion: 98 Resp: 1296912

Ion Ratio Lower Upper

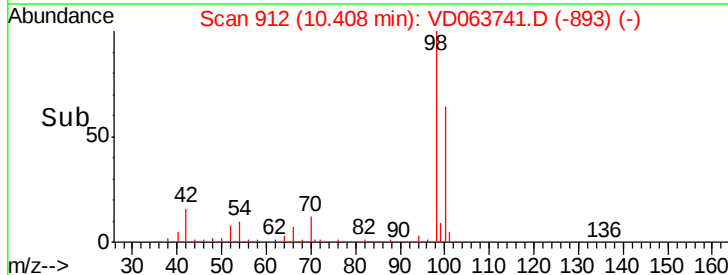
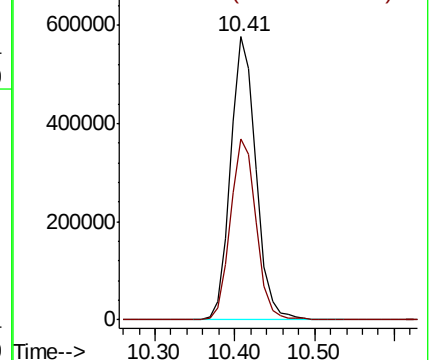
98 100

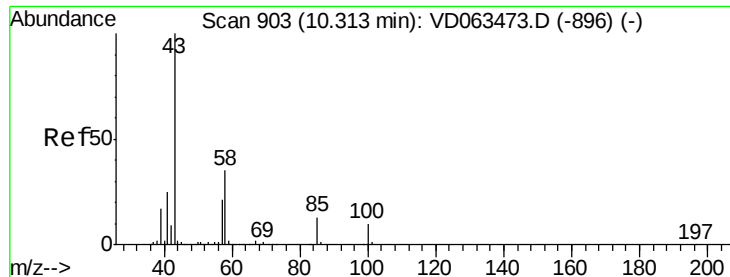
100 64.1 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

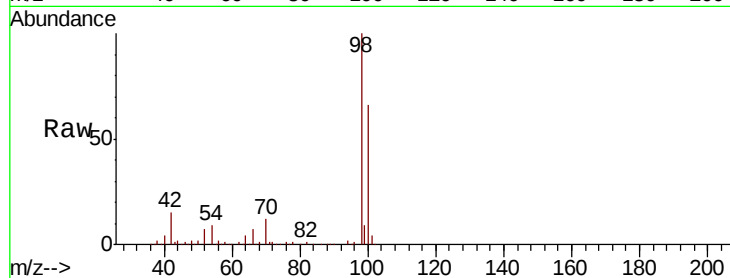




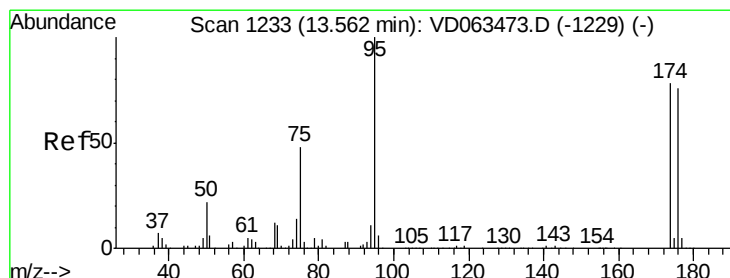
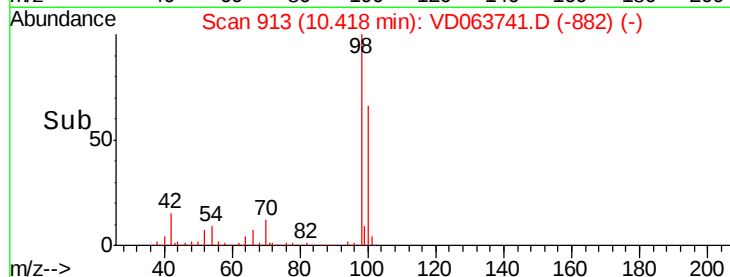
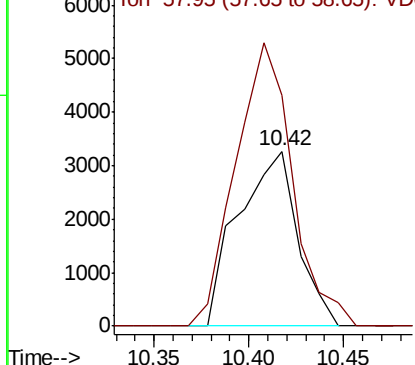
#51
 4-Methyl-2-Pentanone
 Concen: 2.278 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. 0.10 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-H4-(2.5)RE

Tgt Ion: 43 Resp: 7126
 Ion Ratio Lower Upper
 43 100
 58 131.9 28.0 42.0#

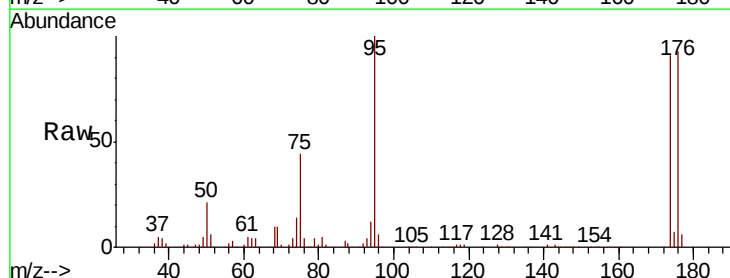


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

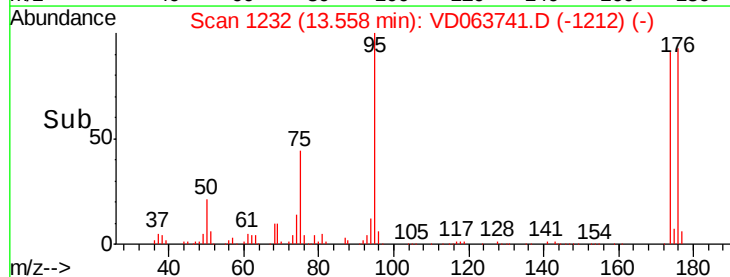
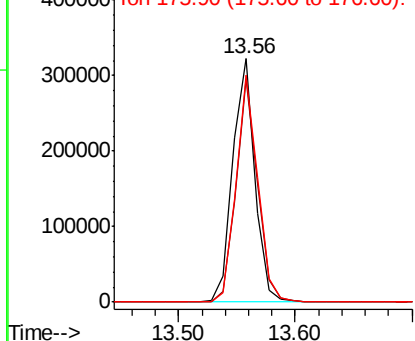


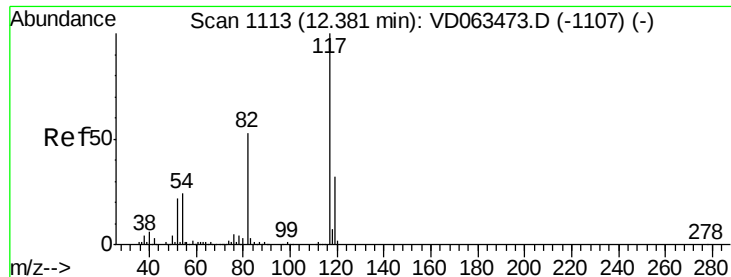
#62
 4-Bromofluorobenzene
 Concen: 54.850 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

Tgt Ion: 95 Resp: 424077
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 155.4
 176 93.2 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

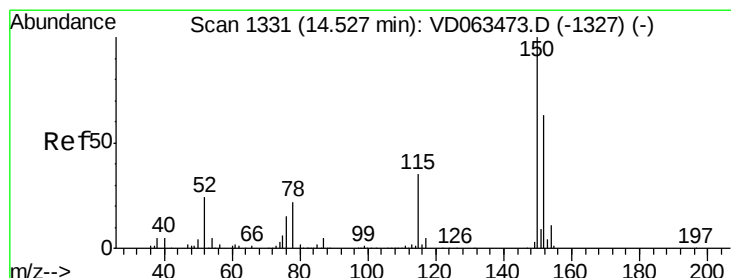
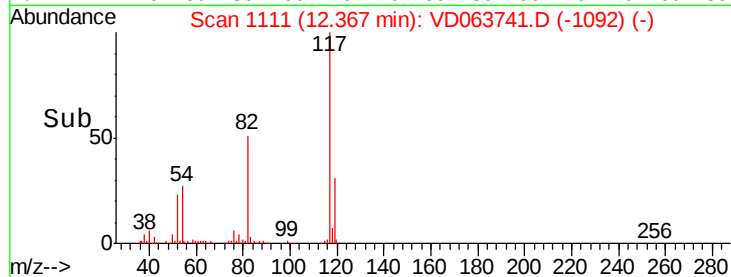
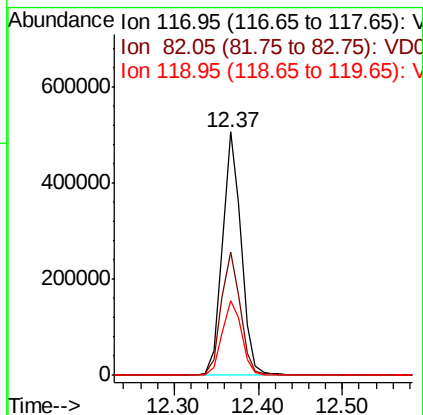
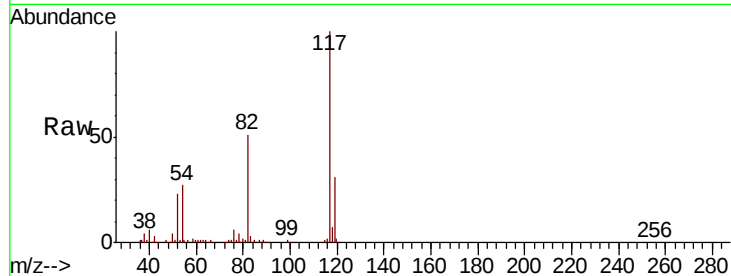




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

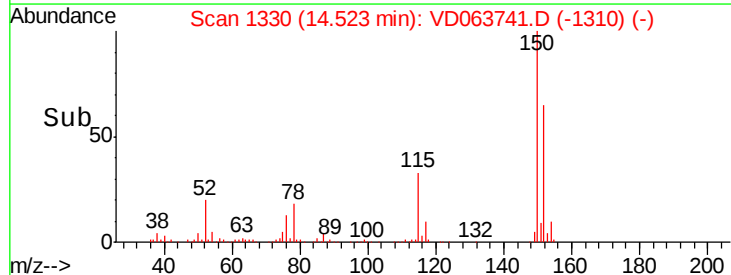
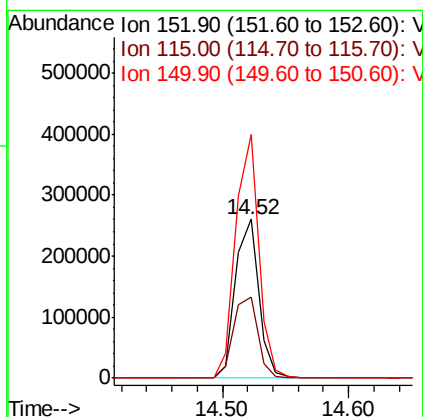
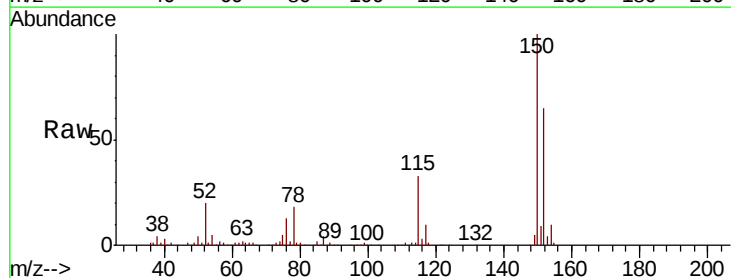
Instrument :
MSVOA_D
ClientSampleId :
T1-H4-(2.5)RE

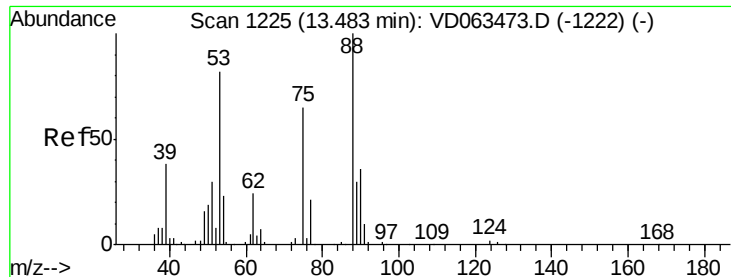
Tgt Ion:117 Resp: 777871
Ion Ratio Lower Upper
117 100
82 50.6 42.0 63.0
119 30.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

Tgt Ion:152 Resp: 333108
Ion Ratio Lower Upper
152 100
115 51.4 30.9 92.7
150 153.5 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 187.836 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

T1-H4-(2.5)RE

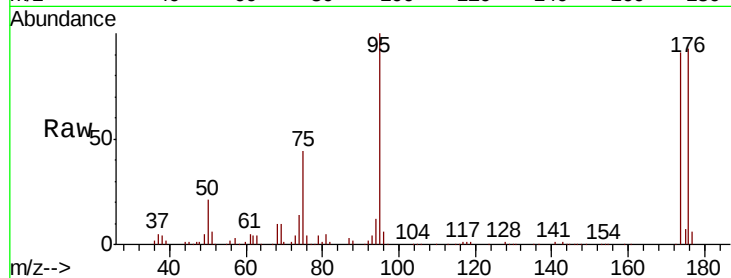
Tgt Ion: 75 Resp: 193004

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

