

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061431.D
 Acq On : 29 Mar 2019 15:56
 Operator : VA/AP
 Sample : K1697-15
 Misc : 5.36g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 22:37:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

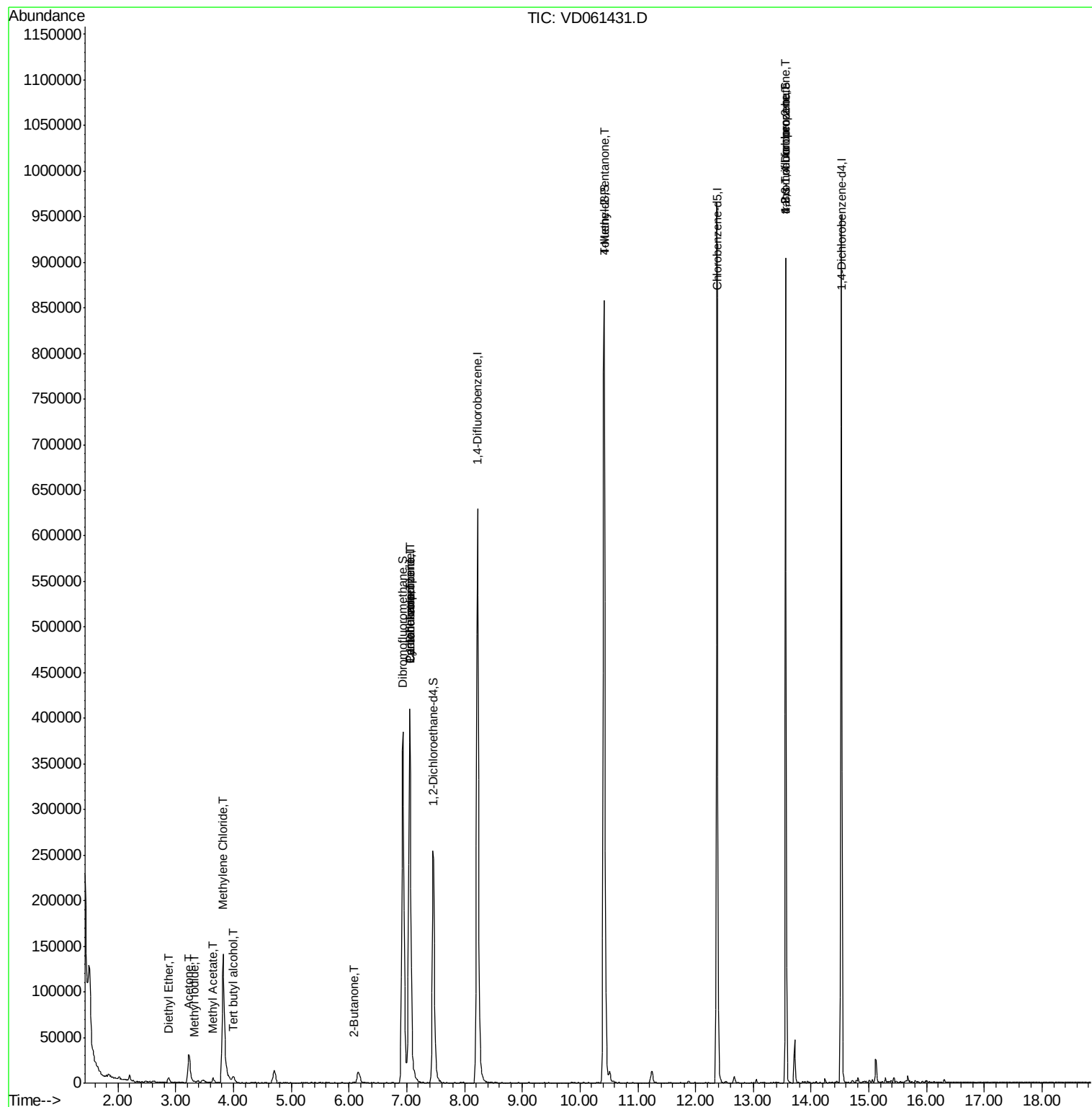
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	427123	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	775861	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	631467	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	231375	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	253406	69.45	ug/l	0.02
Spiked Amount 50.000			Recovery	=	138.90%	
35) Dibromofluoromethane	6.93	113	373562	63.01	ug/l	0.03
Spiked Amount 50.000			Recovery	=	126.02%	
50) Toluene-d8	10.42	98	746556	52.50	ug/l	0.03
Spiked Amount 50.000			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	13.56	95	276946	50.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.58%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.88	74	2058	1.287	ug/l	89
10) Methyl Iodide	3.33	142	193	3.488	ug/l #	38
11) Tert butyl alcohol	3.99	59	6341	27.906	ug/l #	76
16) Acetone	3.22	43	65428	69.757	ug/l	95
18) Methyl Acetate	3.65	43	9631	4.884	ug/l #	81
20) Methylene Chloride	3.82	84	111087	19.989	ug/l	96
25) 2-Butanone	6.09	43	2376	2.014	ug/l #	54
31) Cyclohexane	7.05	56	7344	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	31453	4.645	ug/l #	48
38) Carbon Tetrachloride	7.05	117	41351	5.314	ug/l #	13
51) 4-Methyl-2-Pentanone	10.41	43	2968	1.158	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	97611	29.205	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	100890	99.003	ug/l #	18

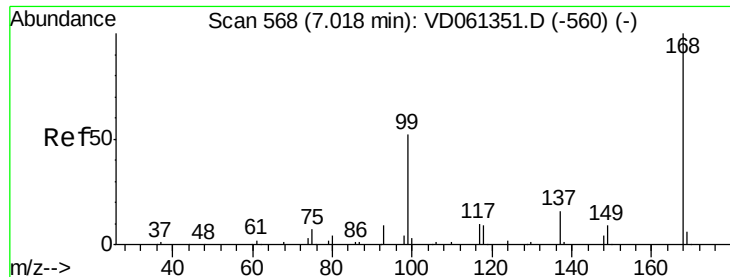
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061431.D

Acq: 29 Mar 2019 15:56

Instrument :

MSVOA_D

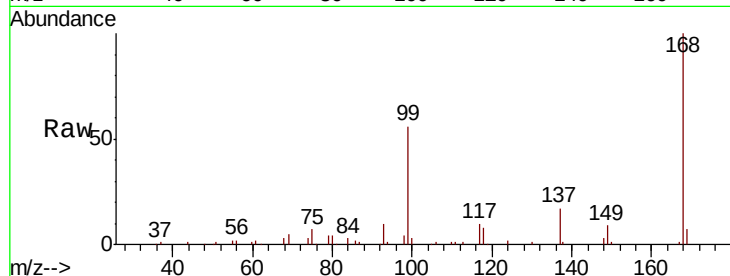
ClientSampleId :

Tot Ion:168 Resp: 427123

Ion Ratio Lower Upper

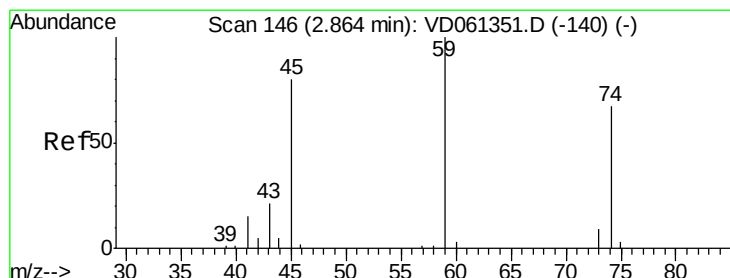
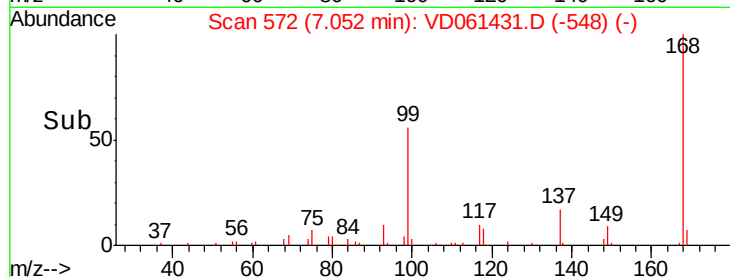
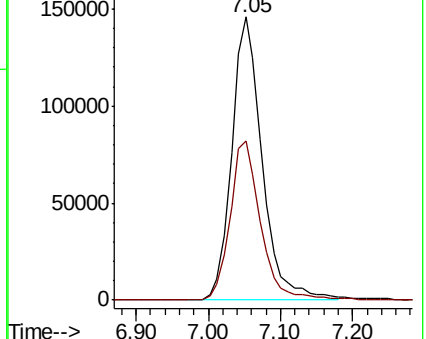
168 100

99 56.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.287 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061431.D

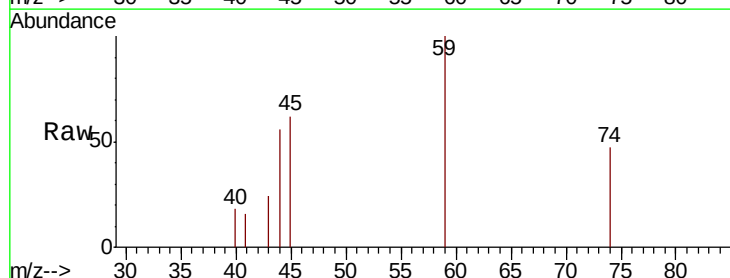
Acq: 29 Mar 2019 15:56

Tgt Ion: 74 Resp: 2058

Ion Ratio Lower Upper

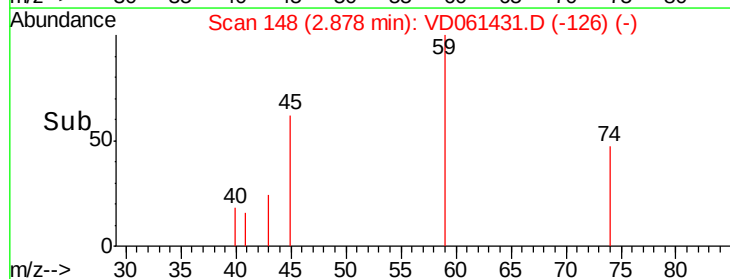
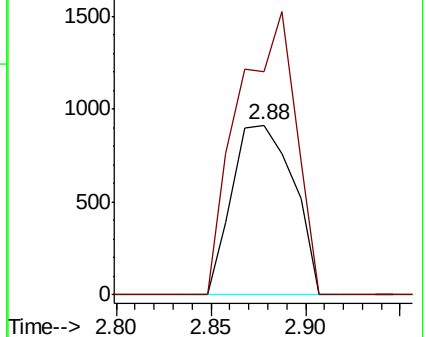
74 100

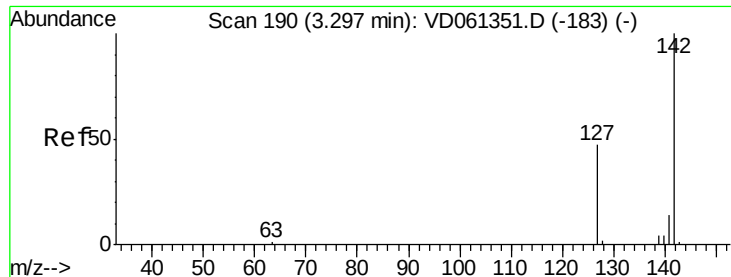
45 131.3 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

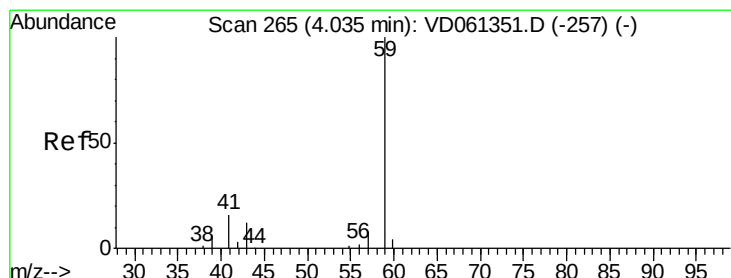
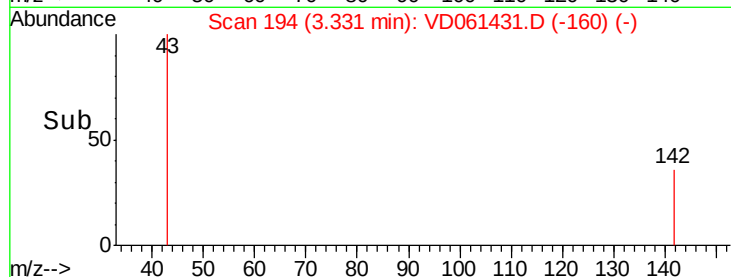
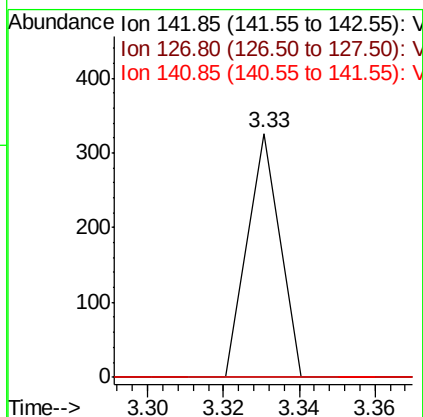
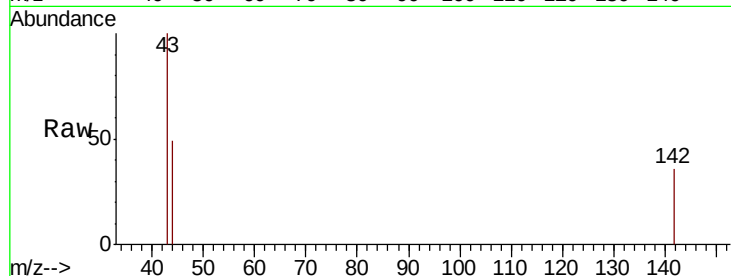




#10
Methyl Iodide
Concen: 3.488 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.03 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

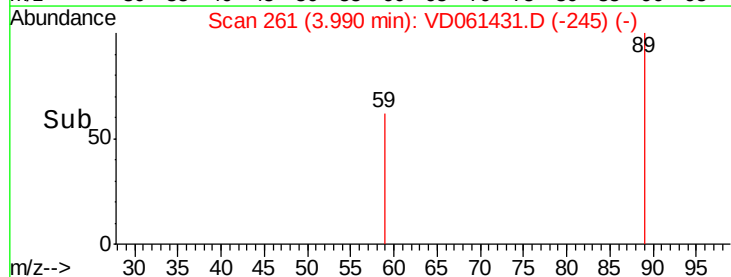
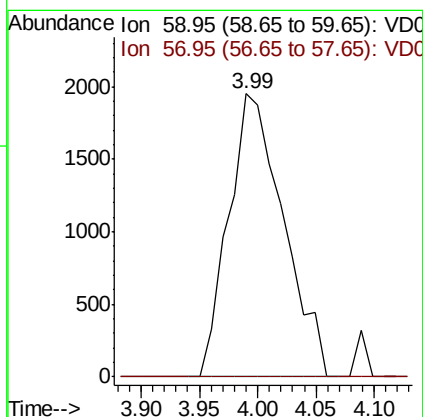
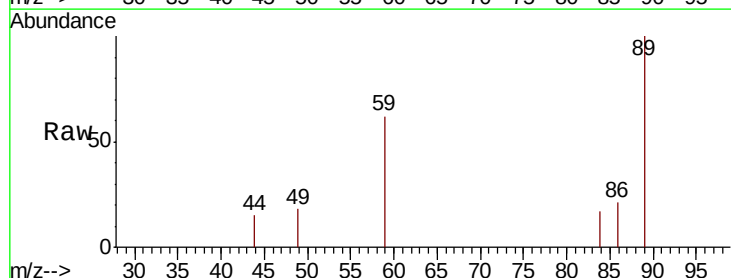
Instrument :
MSVOA_D
ClientSampleId :

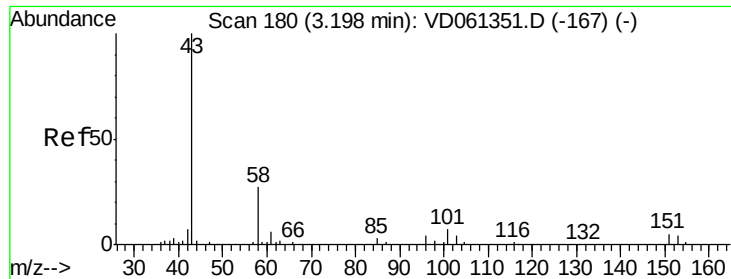
Tot Ion:142 Resp: 193
Ion Ratio Lower Upper
142 100
127 0.0 37.7 56.5#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 27.906 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.04 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Tgt Ion: 59 Resp: 6341
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#





#16

Acetone

Concen: 69.757 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061431.D

Acq: 29 Mar 2019 15:56

Instrument :

MSVOA_D

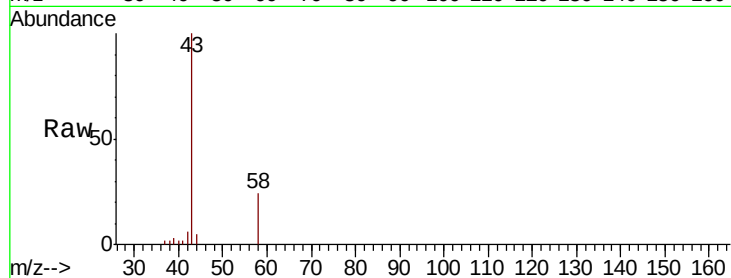
ClientSampleId :

Tot Ion: 43 Resp: 65428

Ion Ratio Lower Upper

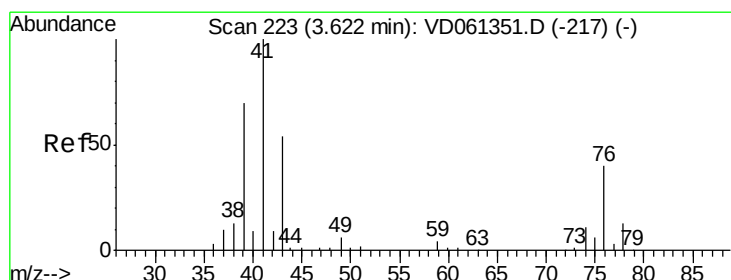
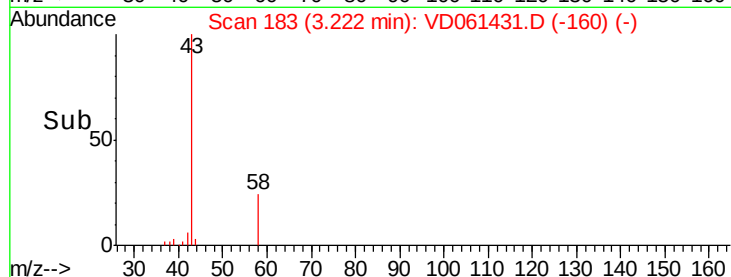
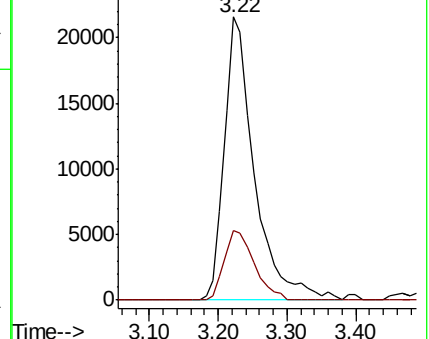
43 100

58 24.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 4.884 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061431.D

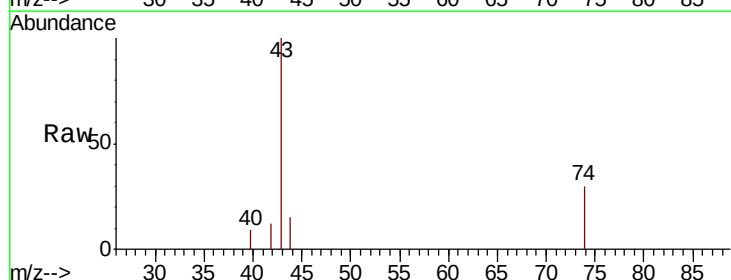
Acq: 29 Mar 2019 15:56

Tgt Ion: 43 Resp: 9631

Ion Ratio Lower Upper

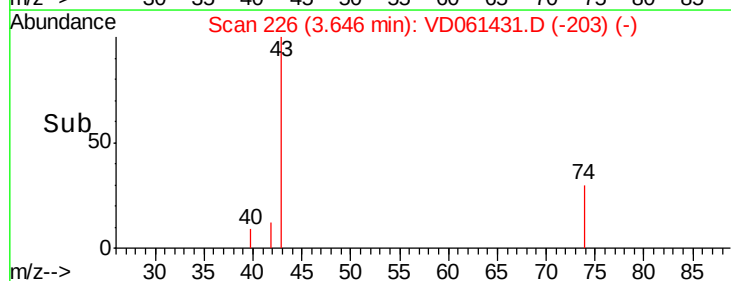
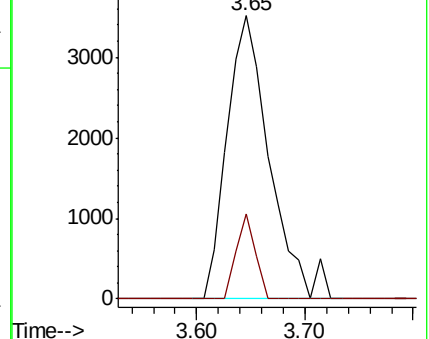
43 100

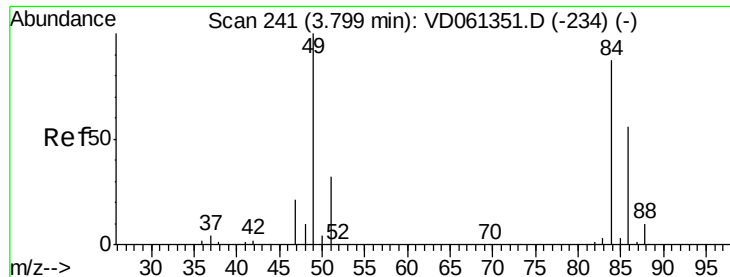
74 29.8 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

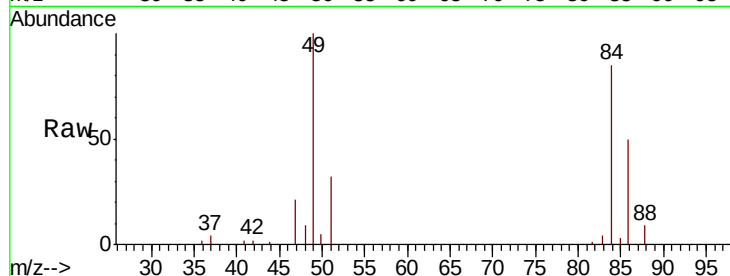




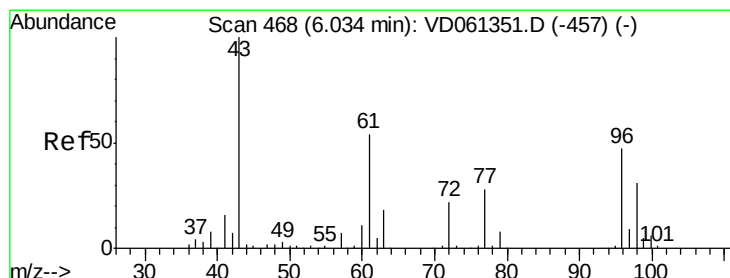
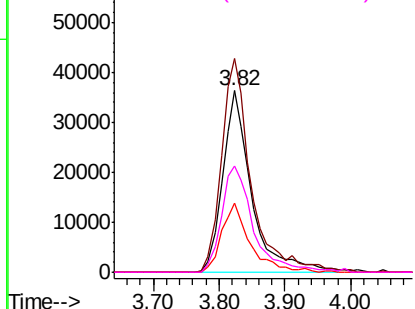
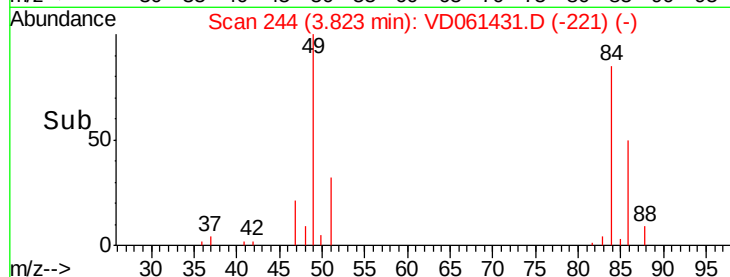
#20
Methylene Chloride
Concen: 19.989 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 111087
Ion Ratio Lower Upper
84 100
49 117.7 91.8 137.8
51 38.1 29.8 44.8
86 58.5 51.8 77.6

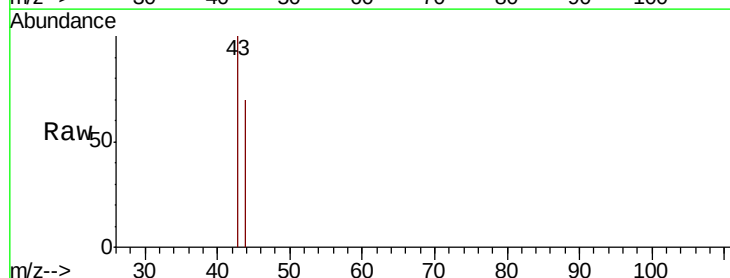


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

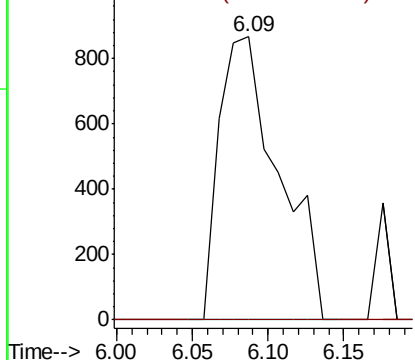
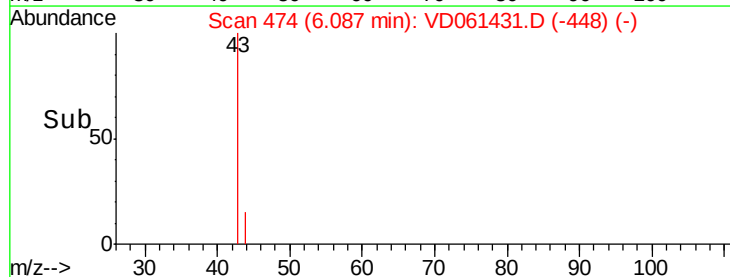


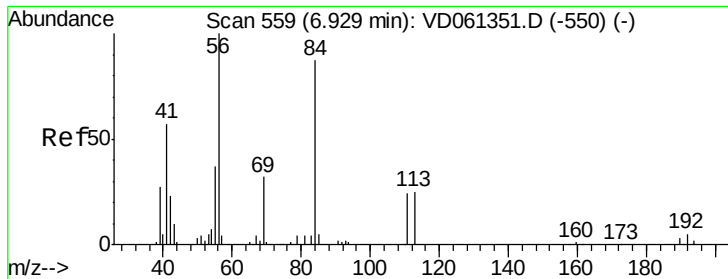
#25
2-Butanone
Concen: 2.014 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.05 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

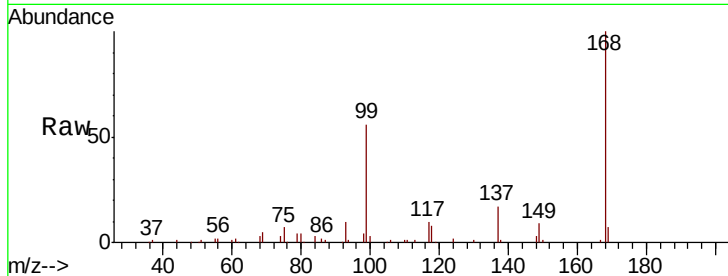




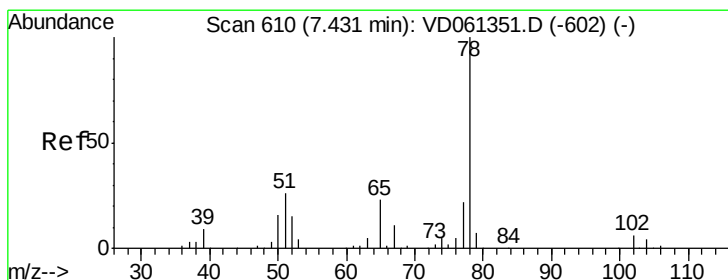
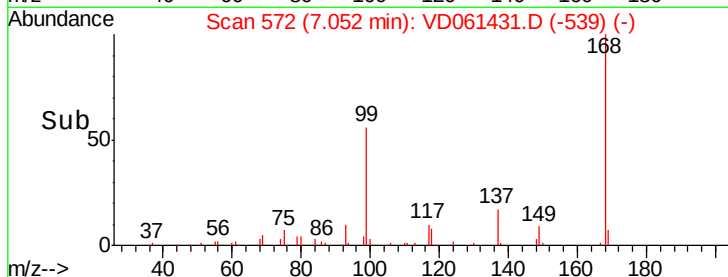
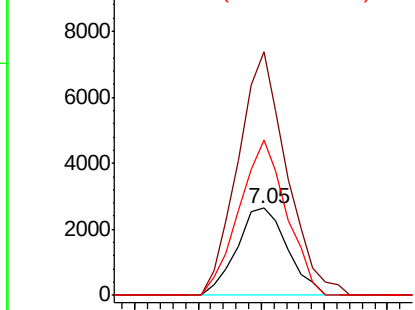
#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 7344
Ion Ratio Lower Upper
56 100
69 280.2 25.7 38.5#
84 178.8 70.6 105.8#

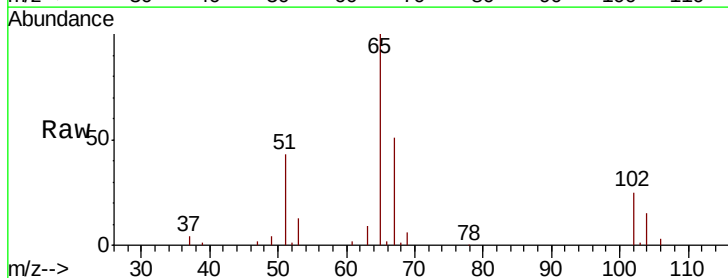


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

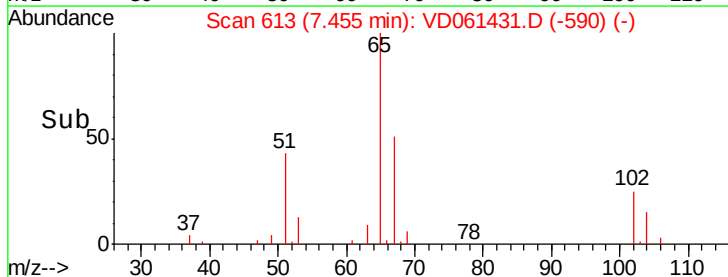
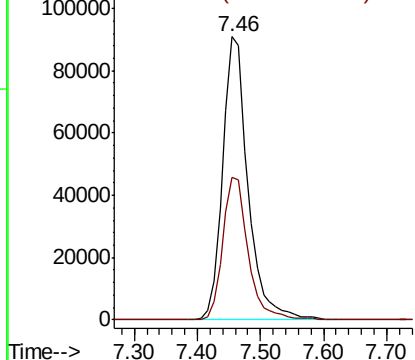


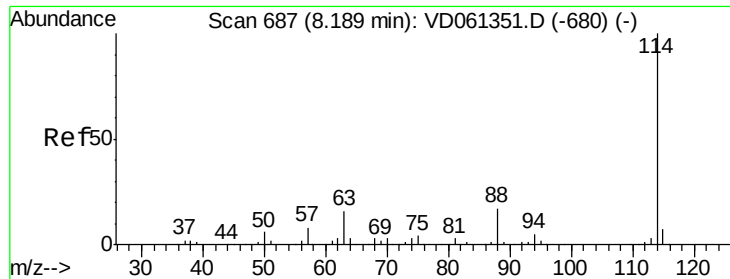
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Tgt Ion: 65 Resp: 253406
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

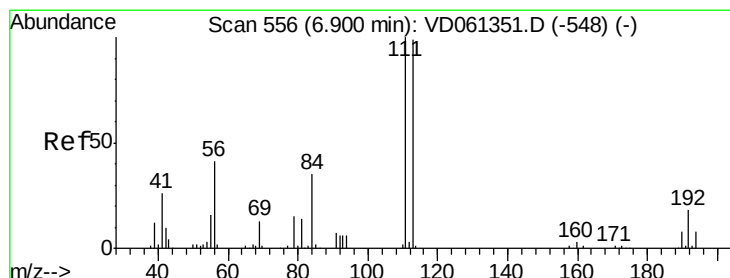
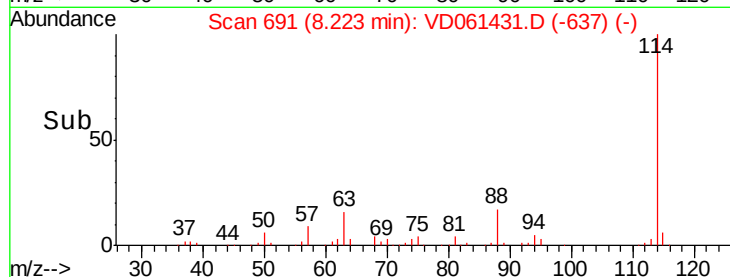
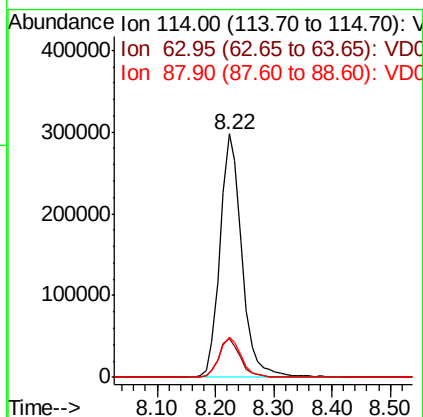
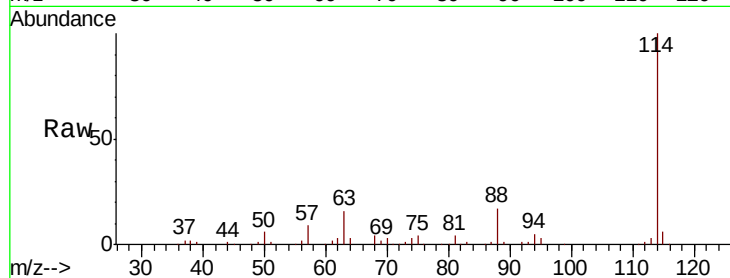




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061431.D
 Acq: 29 Mar 2019 15:56

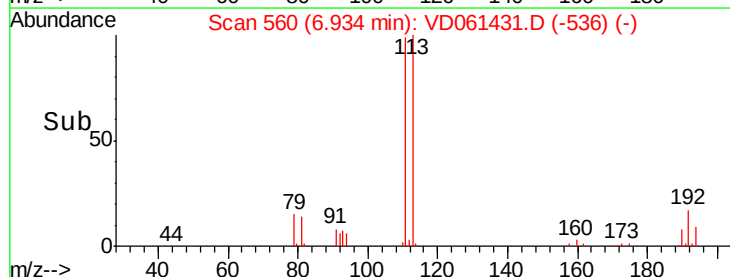
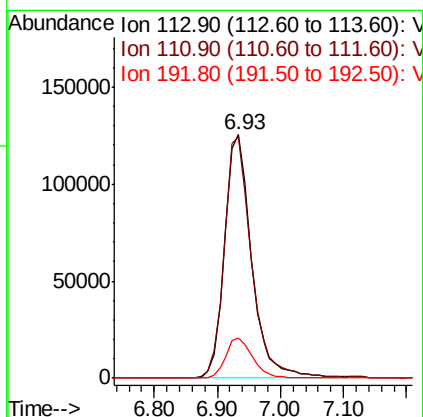
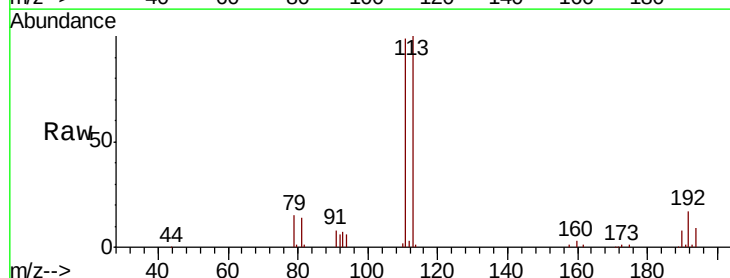
Instrument :
 MSVOA_D
 ClientSampleId :

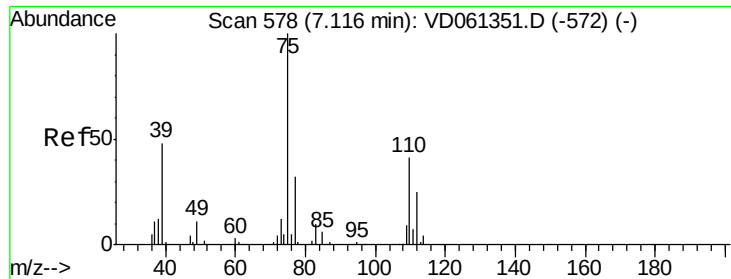
Tot Ion:114 Resp: 775861
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.6
 88 16.5 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061431.D
 Acq: 29 Mar 2019 15:56

Tgt Ion:113 Resp: 373562
 Ion Ratio Lower Upper
 113 100
 111 99.1 81.0 121.6
 192 16.6 14.4 21.6

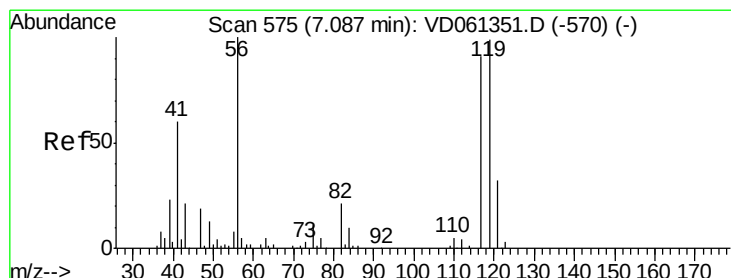
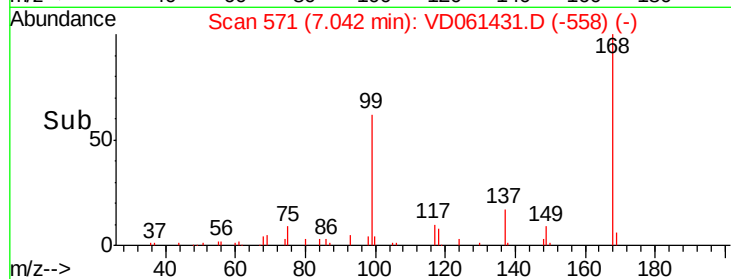
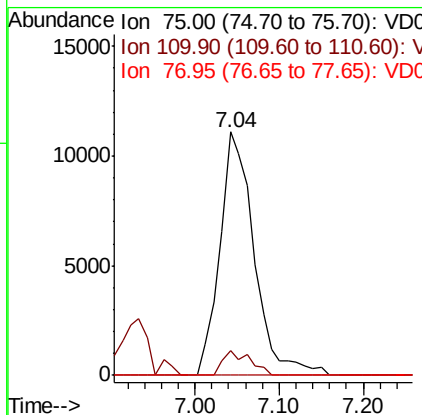
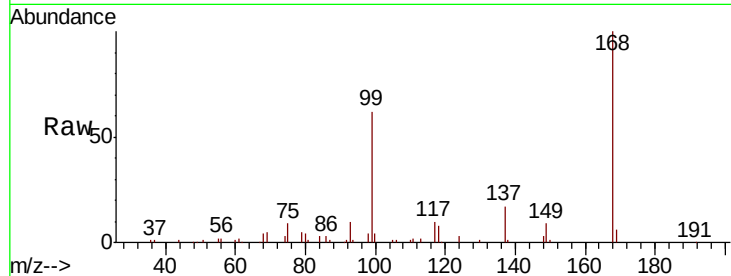




#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061431.D
 Acq: 29 Mar 2019 15:56

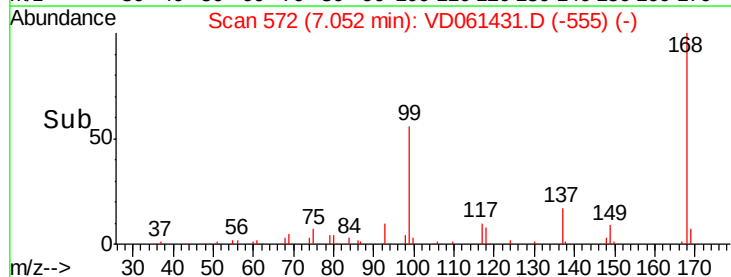
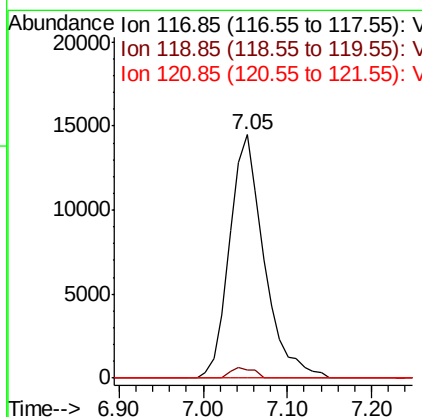
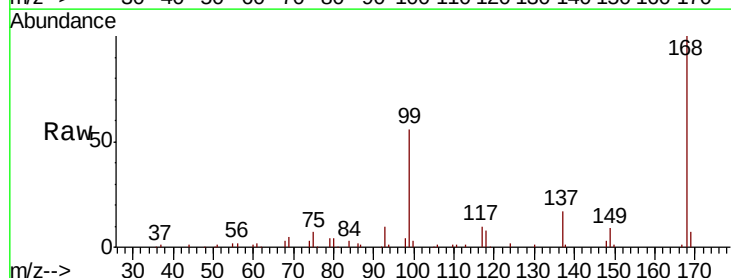
Instrument :
 MSVOA_D
 ClientSampled :

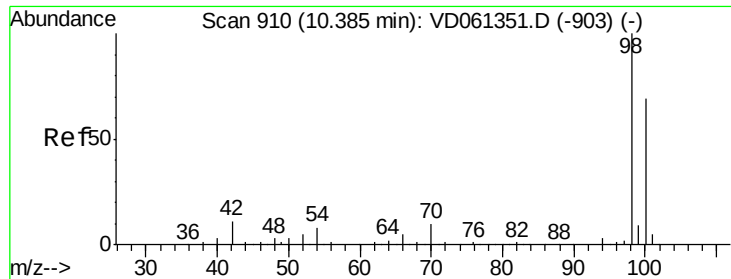
Tot Ion: 75 Resp: 31453
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.4 61.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.314 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD061431.D
 Acq: 29 Mar 2019 15:56

Tgt Ion: 117 Resp: 41351
 Ion Ratio Lower Upper
 117 100
 119 3.3 80.1 120.1#
 121 0.0 25.6 38.4#

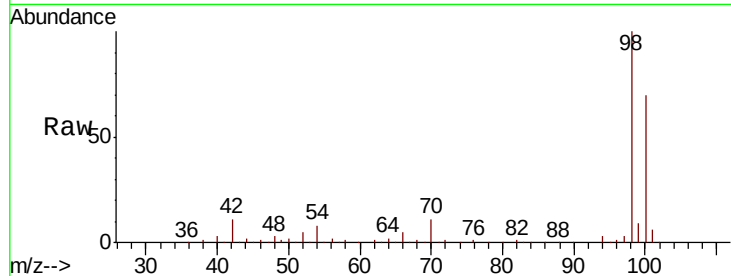




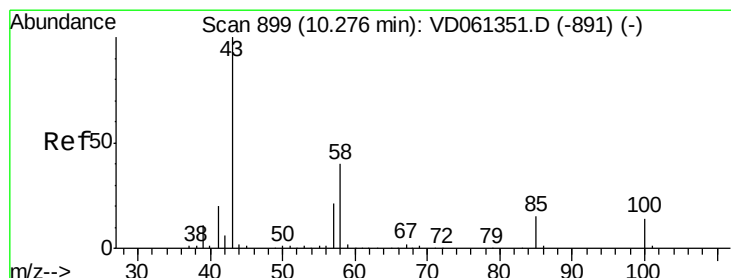
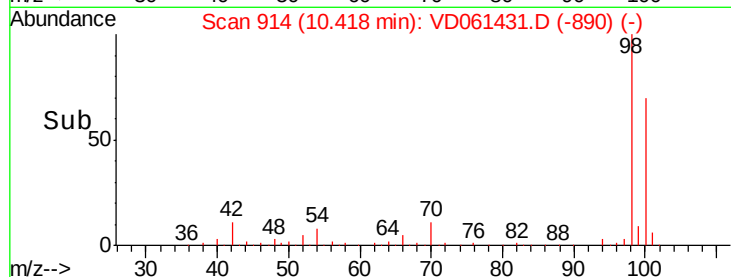
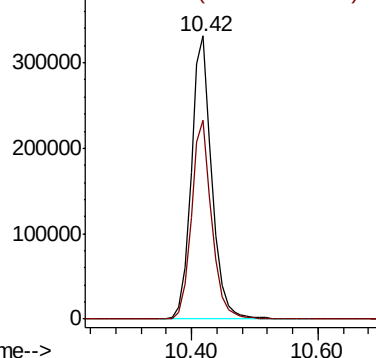
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 746556
Ion Ratio Lower Upper
98 100
100 70.0 56.2 84.2

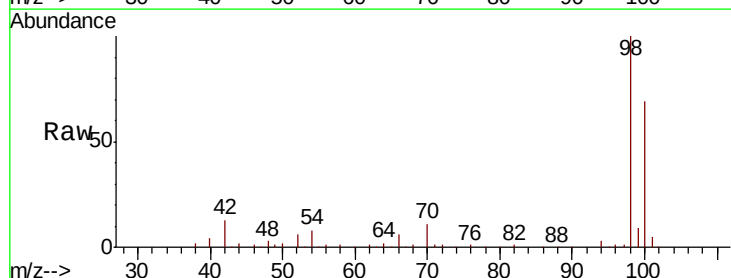


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

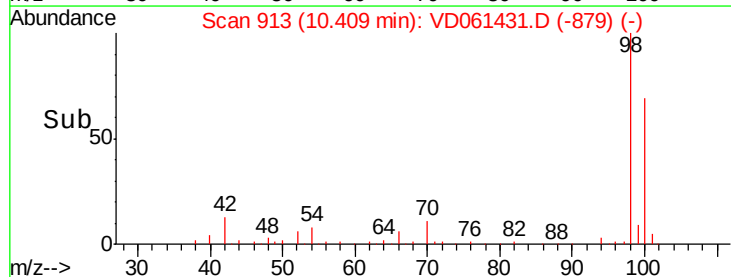
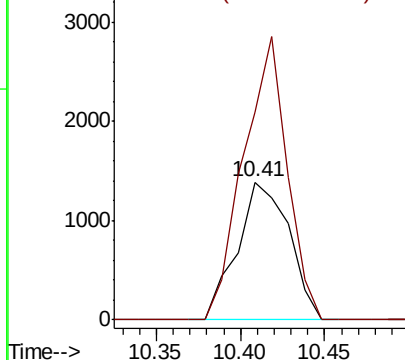


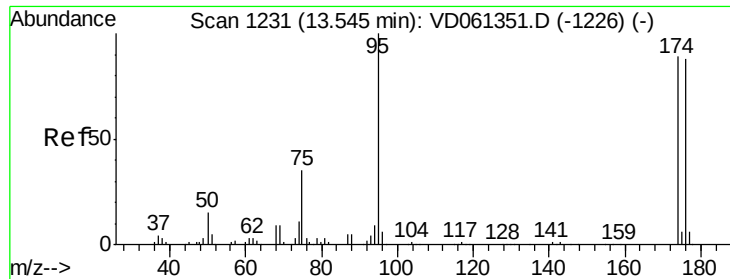
#51
4-Methyl-2-Pentanone
Concen: 1.158 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.13 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Tgt Ion: 43 Resp: 2968
Ion Ratio Lower Upper
43 100
58 150.5 31.8 47.8#



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

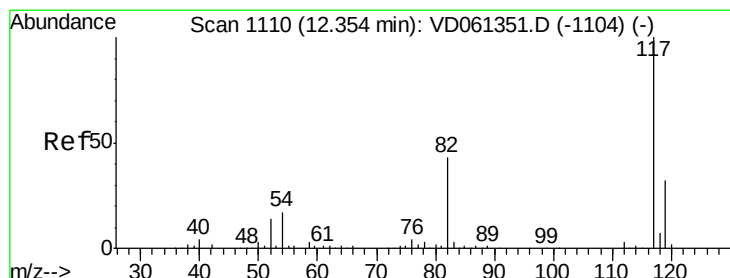
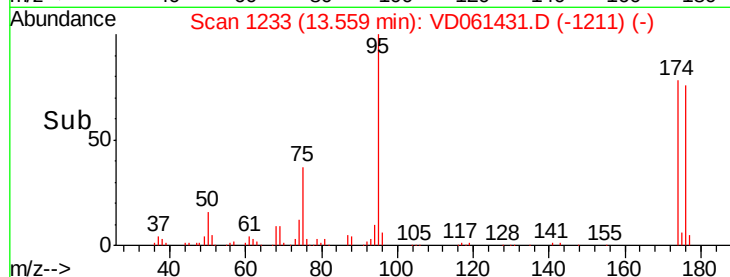
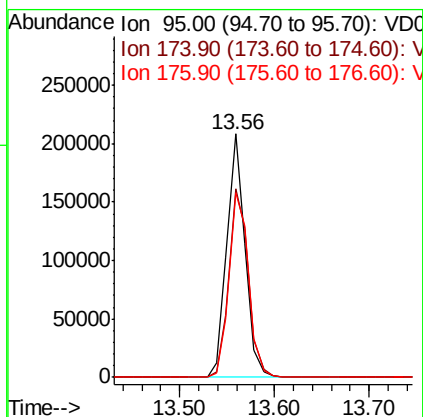
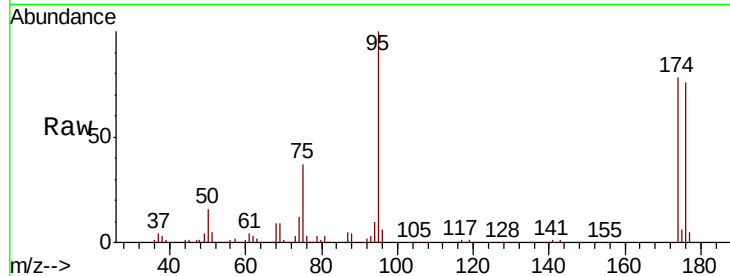




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

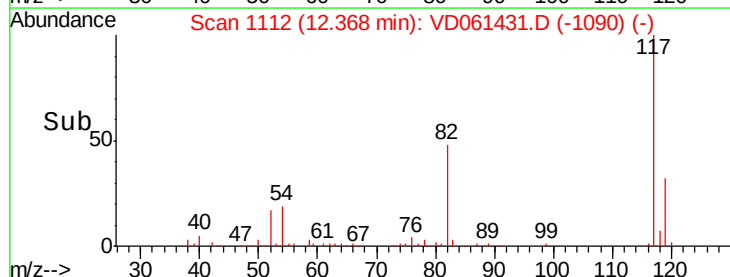
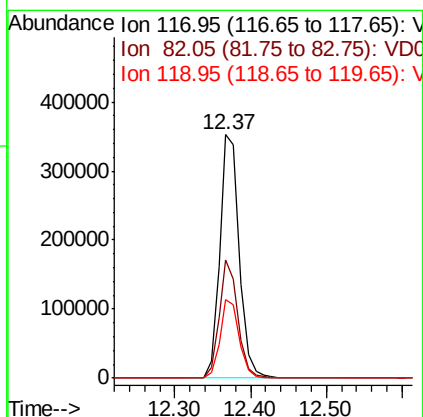
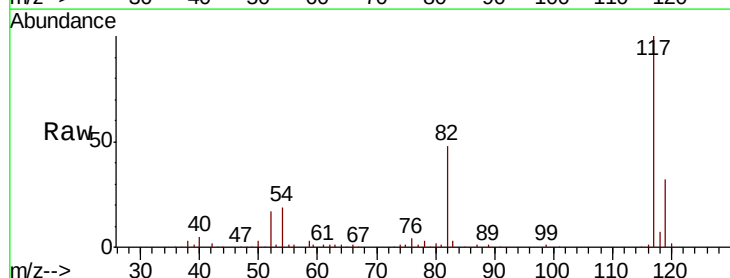
Instrument :
MSVOA_D
ClientSampled :

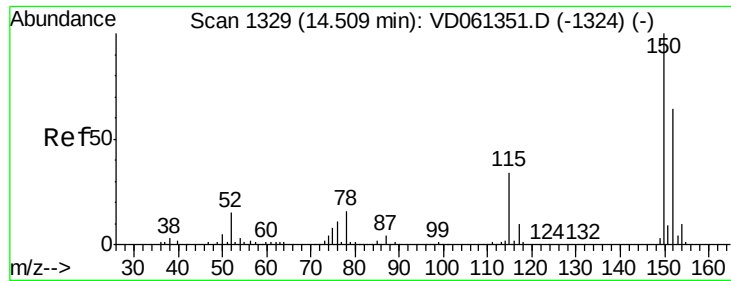
Tot Ion: 95 Resp: 276946
Ion Ratio Lower Upper
95 100
174 77.6 0.0 178.0
176 75.9 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061431.D
Acq: 29 Mar 2019 15:56

Tgt Ion: 117 Resp: 631467
Ion Ratio Lower Upper
117 100
82 48.3 34.4 51.6
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061431.D

Acq: 29 Mar 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

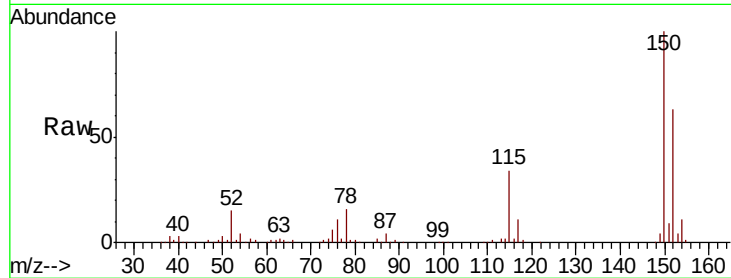
Tot Ion:152 Resp: 231375

Ion Ratio Lower Upper

152 100

115 52.8 26.9 80.6

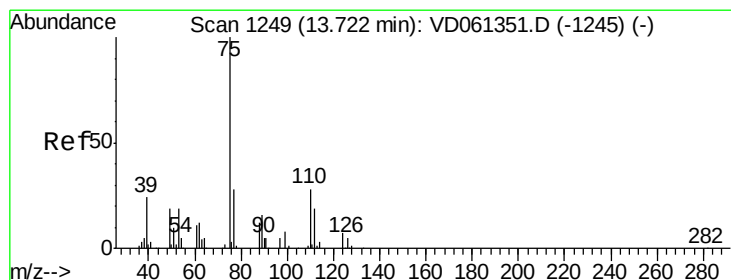
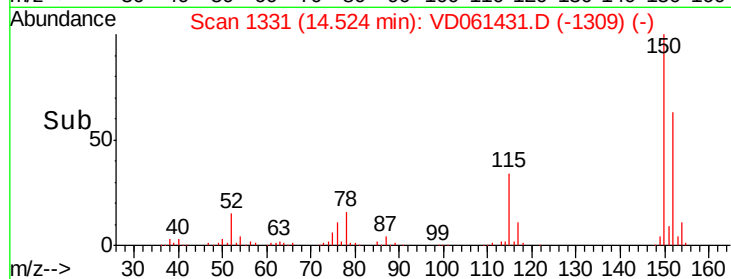
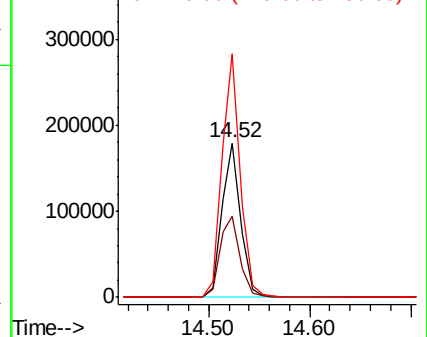
150 157.6 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.205 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061431.D

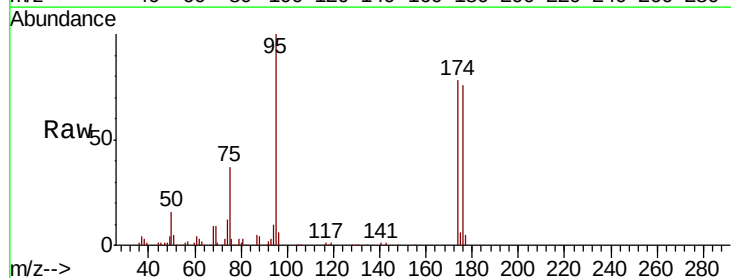
Acq: 29 Mar 2019 15:56

Tgt Ion: 75 Resp: 97611

Ion Ratio Lower Upper

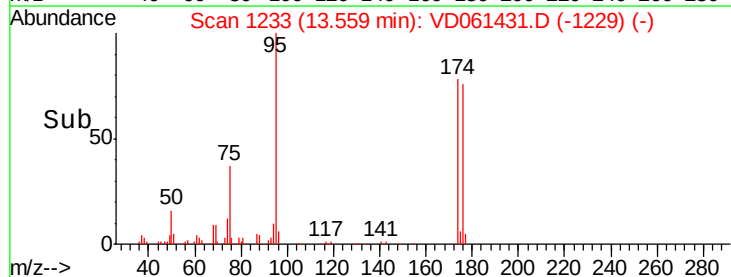
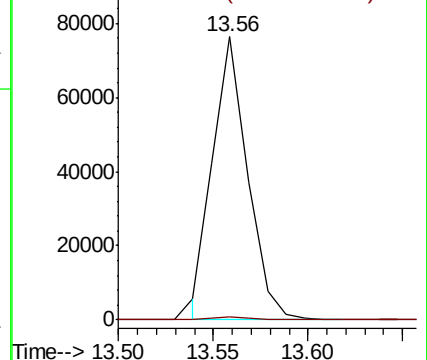
75 100

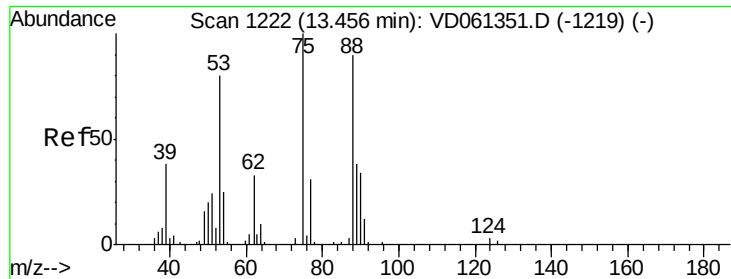
77 1.2 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 99.003 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061431.D

Acq: 29 Mar 2019 15:56

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 100890

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

