

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062605.D
 Acq On : 4 Jun 2019 18:26
 Operator : FY/SY
 Sample : K3183-09
 Misc : 5.67g/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	507005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	709575	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	616289	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	326727	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	270082	45.43	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	90.86%	
35) Dibromofluoromethane	6.93	113	288718	44.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.30%	
50) Toluene-d8	10.40	98	531639	37.53	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	75.06%	
62) 4-Bromofluorobenzene	13.55	95	259428	40.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.20%	

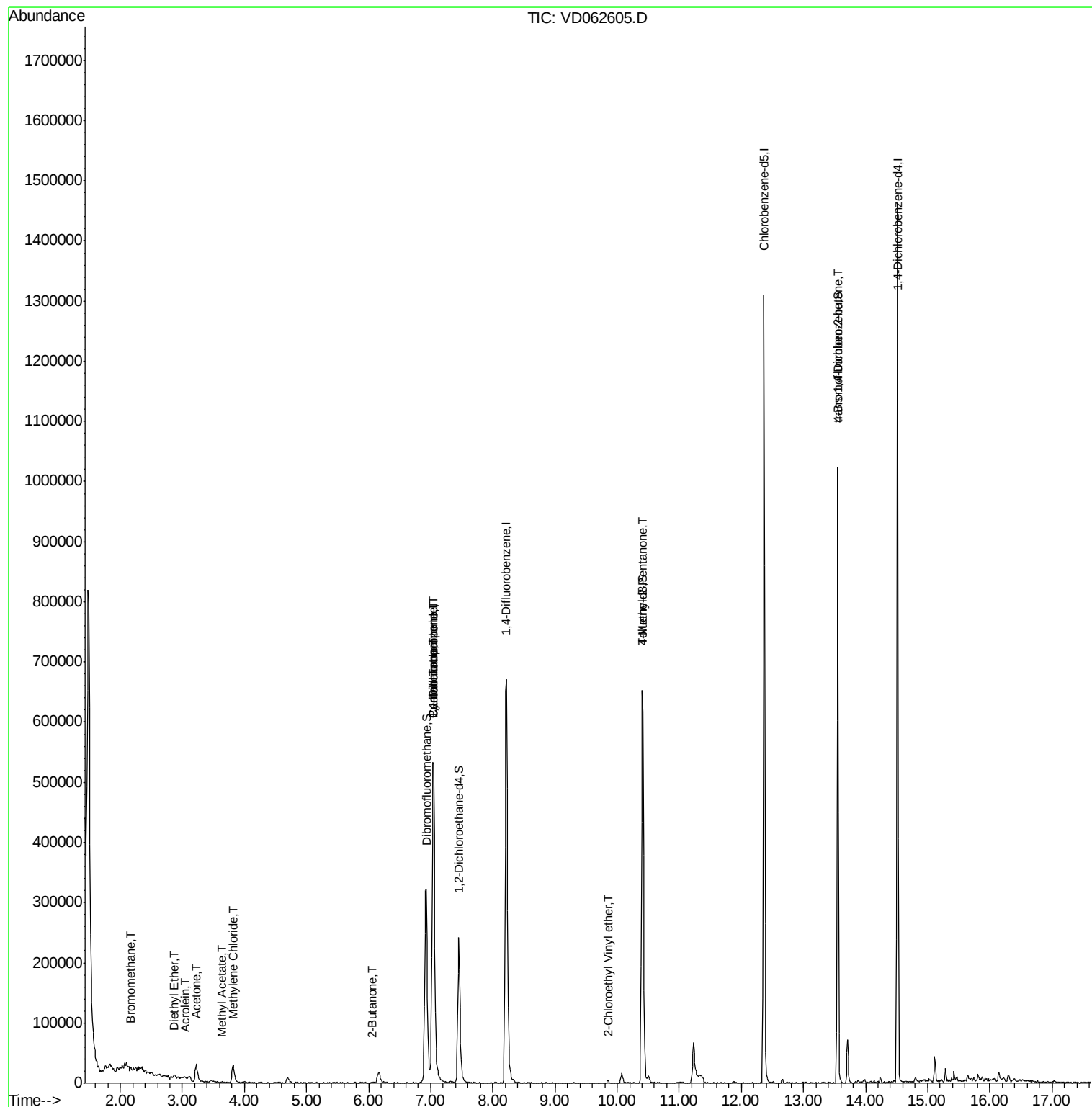
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	1774	Below Cal	#	43
5) Bromomethane	2.17	94	2417	1.657	ug/l #	12
8) Diethyl Ether	2.87	74	1795	1.474	ug/l	71
13) Acrolein	3.05	56	279	2.525	ug/l #	10
16) Acetone	3.23	43	62213	53.263	ug/l	96
18) Methyl Acetate	3.64	43	2293	1.203	ug/l #	63
20) Methylene Chloride	3.82	84	16773	3.879	ug/l	94
25) 2-Butanone	6.06	43	2221	2.019	ug/l #	62
31) Cyclohexane	7.04	56	14366	2.602	ug/l #	14
36) 1,1-Dichloropropene	7.05	75	44550	6.307	ug/l #	49
38) Carbon Tetrachloride	7.04	117	55083	5.238	ug/l #	18
51) 4-Methyl-2-Pentanone	10.39	43	3922	1.517	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.85	63	1702	1.003	ug/l #	49
81) trans-1,4-Dichloro-2-buten	13.55	75	125998	112.180	ug/l #	5

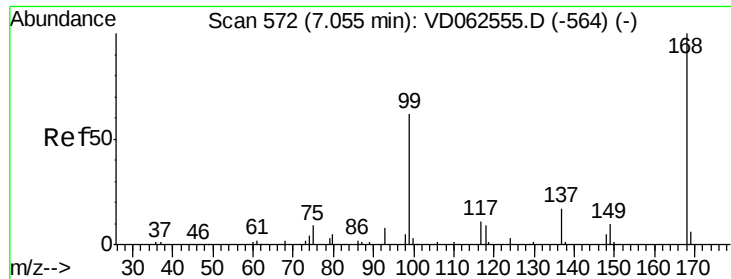
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060419\
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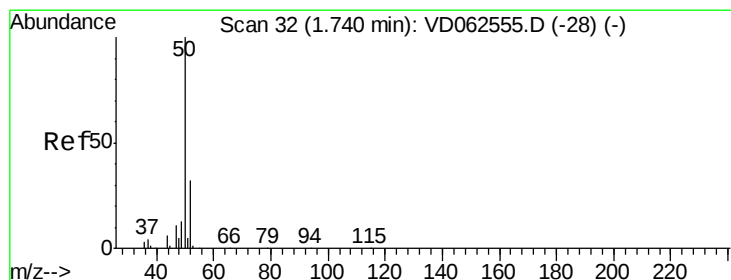
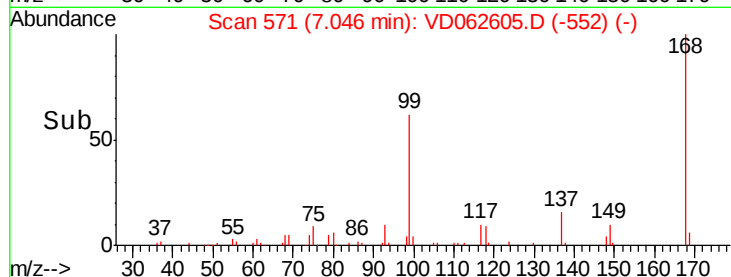
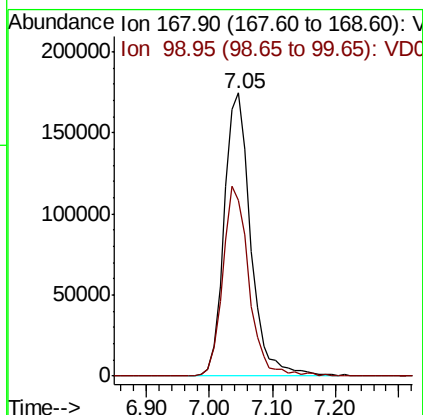
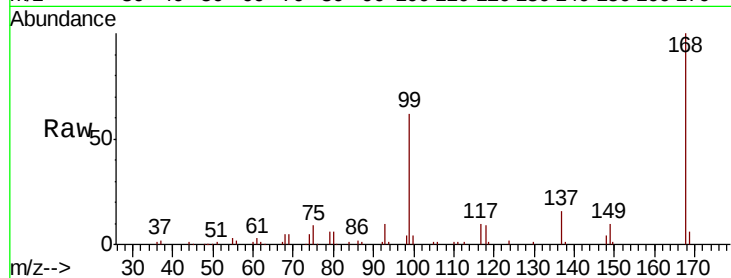




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.01 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

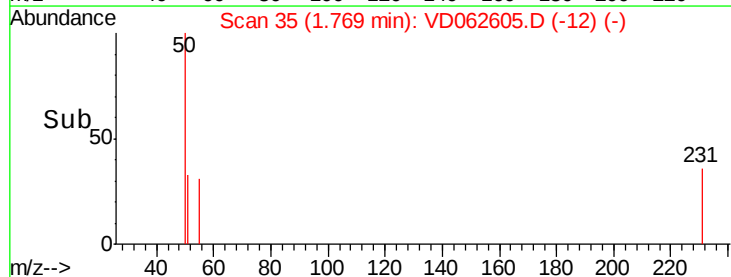
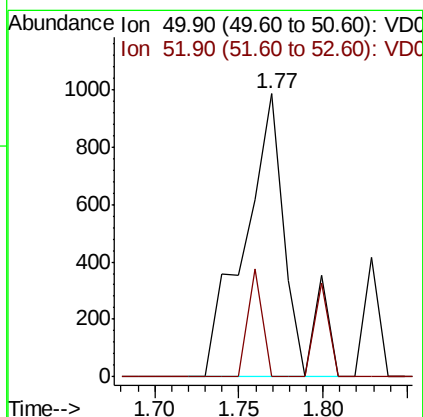
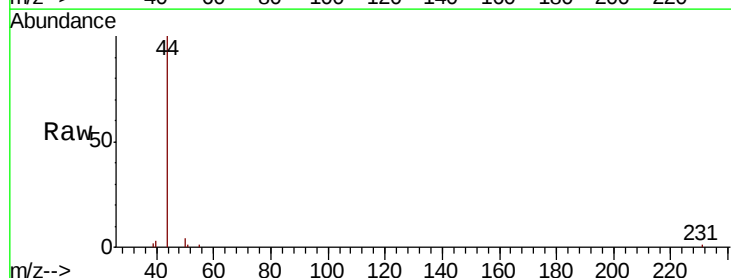
Instrument :
MSVOA_D
ClientSampleId :

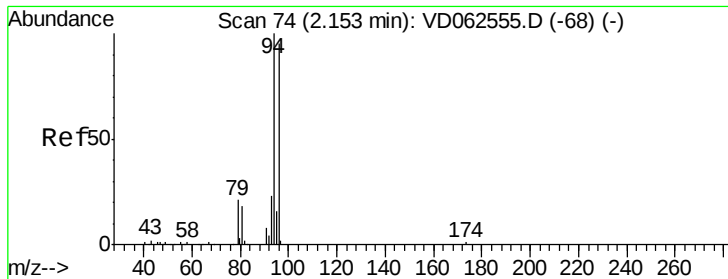
Tot Ion:168 Resp: 507005
Ion Ratio Lower Upper
168 100
99 62.1 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 1.77 min Scan# 35
Delta R.T. 0.03 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

Tgt Ion: 50 Resp: 1774
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#5

Bromomethane

Concen: 1.657 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

Instrument :

MSVOA_D

ClientSampleId :

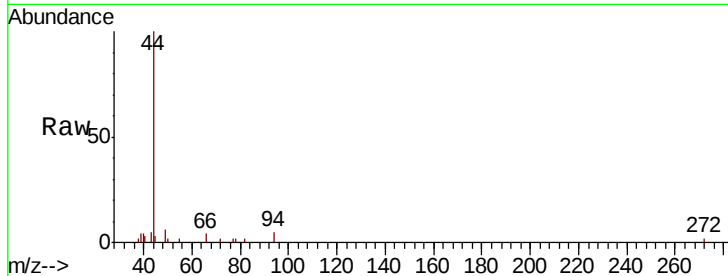
Tot Ion: 94 Resp: 2417

Ion Ratio Lower Upper

94 100

96 0.0 76.2 114.4#

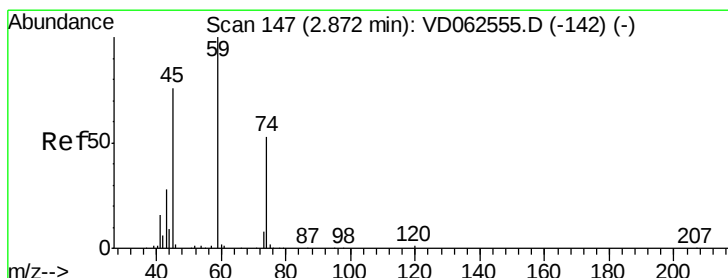
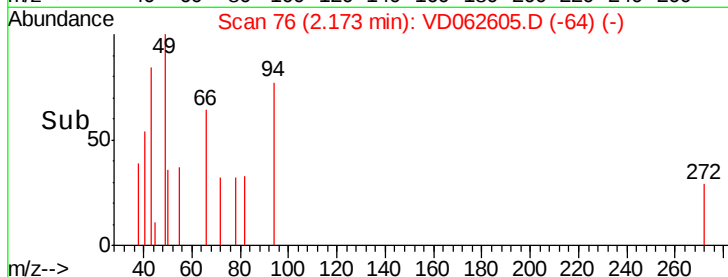
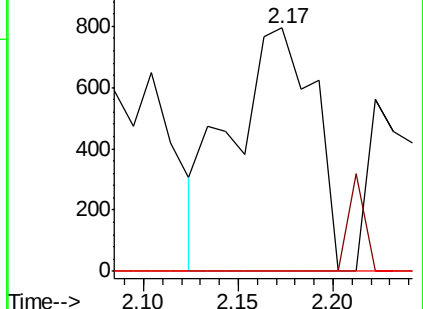
93 0.0 18.4 27.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#8

Diethyl Ether

Concen: 1.474 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD062605.D

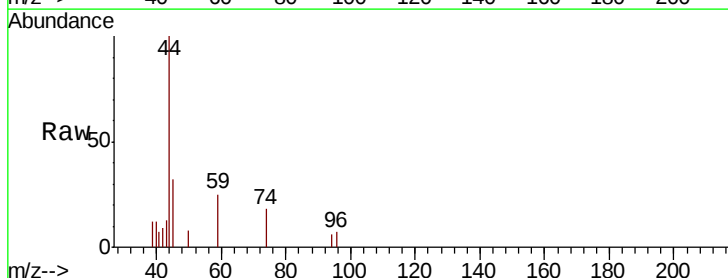
Acq: 4 Jun 2019 18:26

Tgt Ion: 74 Resp: 1795

Ion Ratio Lower Upper

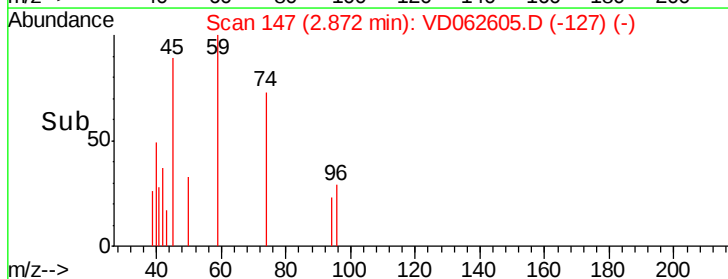
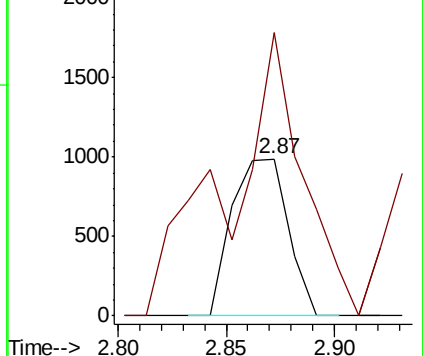
74 100

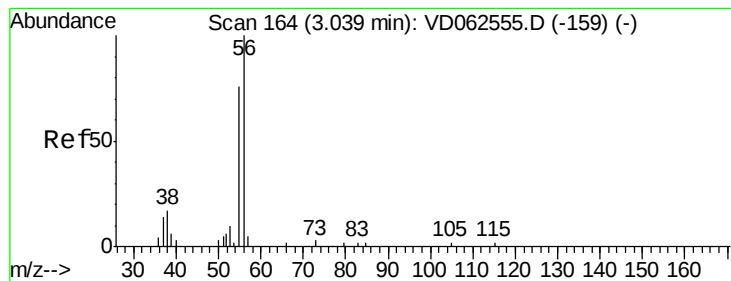
45 180.0 71.9 215.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#13

Acrolein

Concen: 2.525 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

Instrument :

MSVOA_D

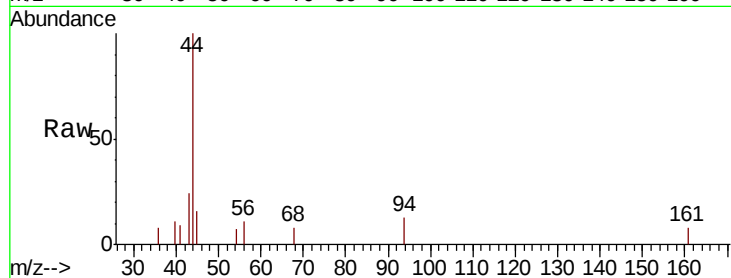
ClientSampleId :

Tot Ion: 56 Resp: 279

Ion Ratio Lower Upper

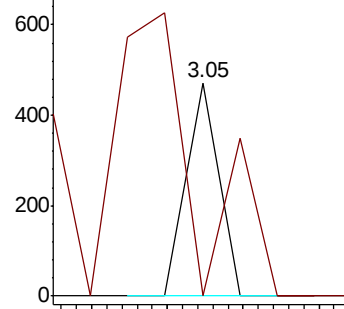
56 100

55 0.0 62.6 93.8#

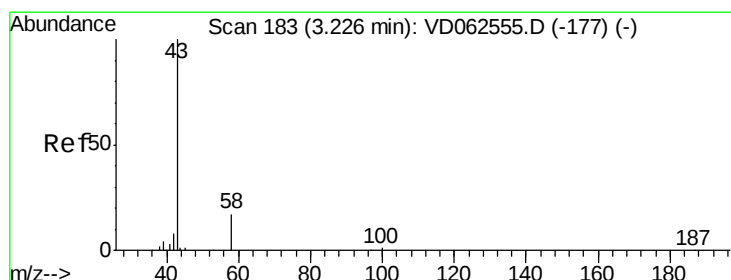
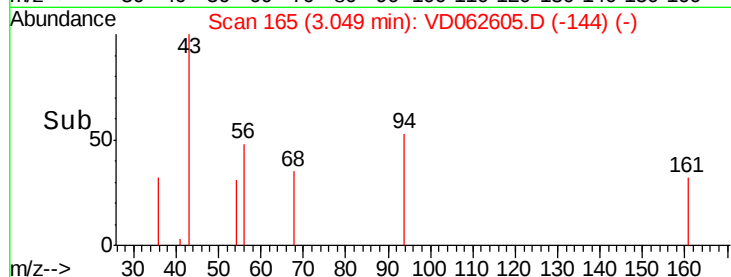


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#16

Acetone

Concen: 53.263 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062605.D

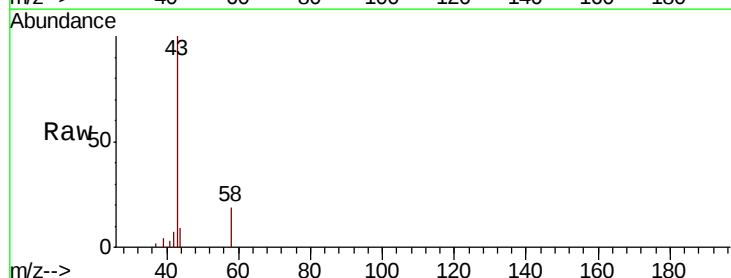
Acq: 4 Jun 2019 18:26

Tgt Ion: 43 Resp: 62213

Ion Ratio Lower Upper

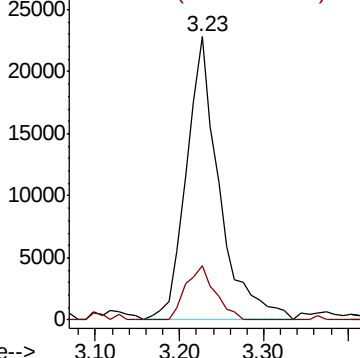
43 100

58 18.9 13.8 20.8

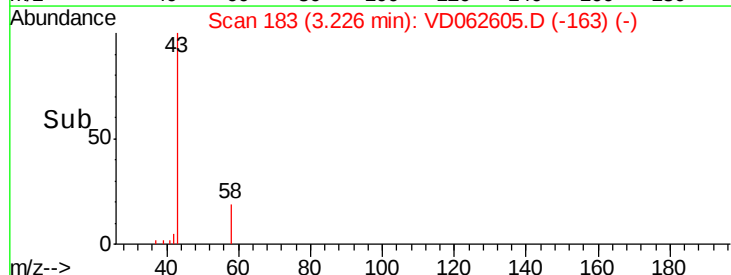


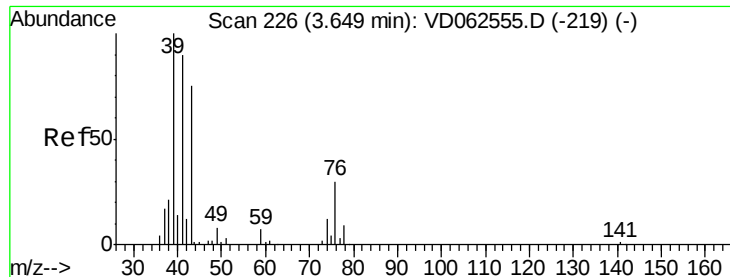
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

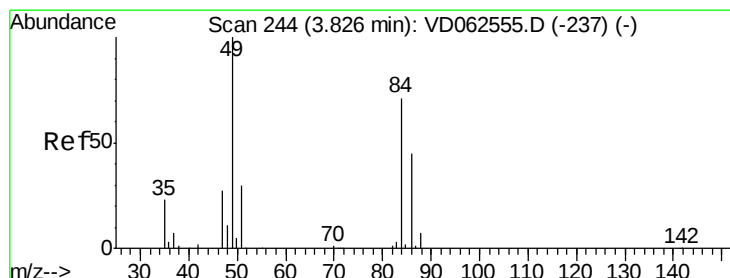
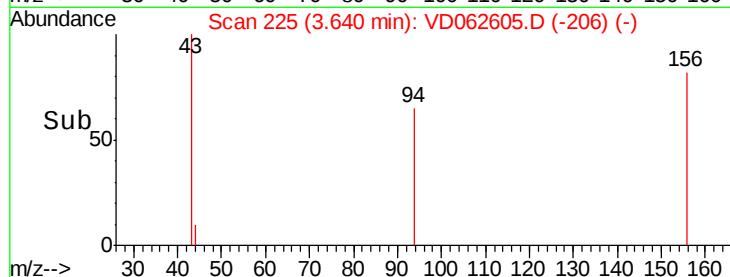
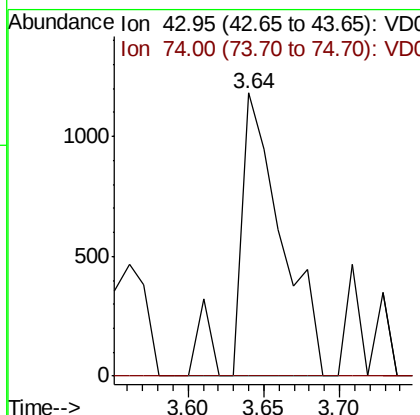
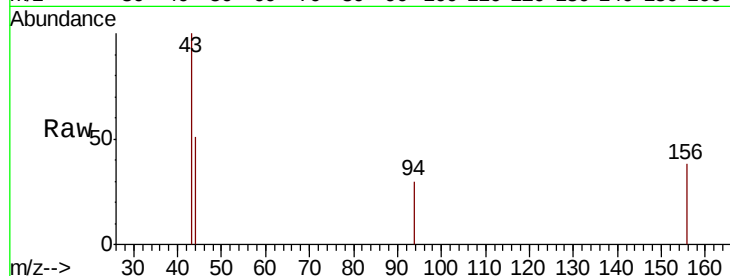




#18
Methyl Acetate
Concen: 1.203 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

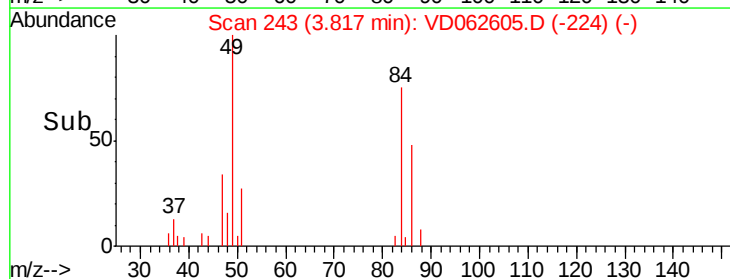
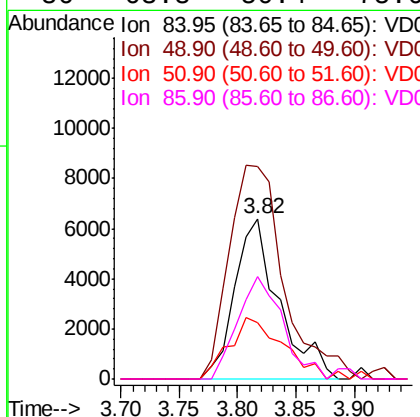
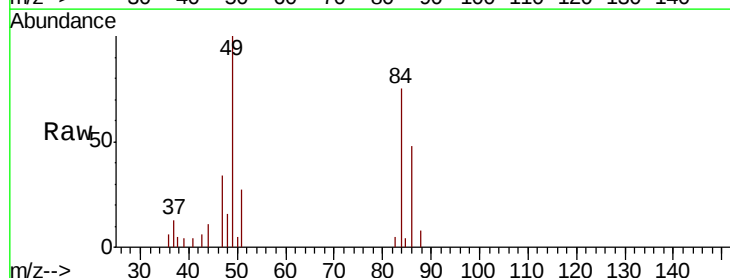
Instrument :
MSVOA_D
ClientSampled :

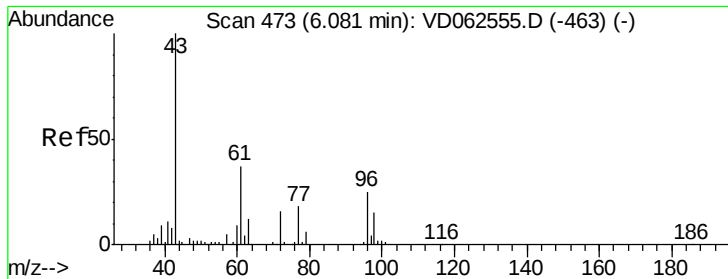
Tot Ion: 43 Resp: 2293
Ion Ratio Lower Upper
43 100
74 0.0 12.5 18.7#



#20
Methylene Chloride
Concen: 3.879 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

Tgt Ion: 84 Resp: 16773
Ion Ratio Lower Upper
84 100
49 132.7 112.3 168.5
51 35.5 33.6 50.4
86 63.8 50.4 75.6





#25

2-Butanone

Concen: 2.019 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

Instrument :

MSVOA_D

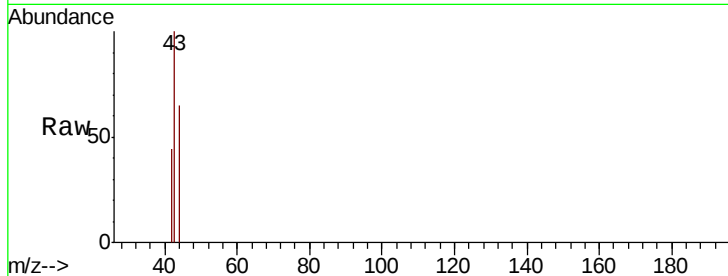
ClientSampleId :

Tot Ion: 43 Resp: 2221

Ion Ratio Lower Upper

43 100

72 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VD062555.D (-463) (-)

Ion 72.00 (71.70 to 72.70): VD062555.D (-463) (-)

6.06

800

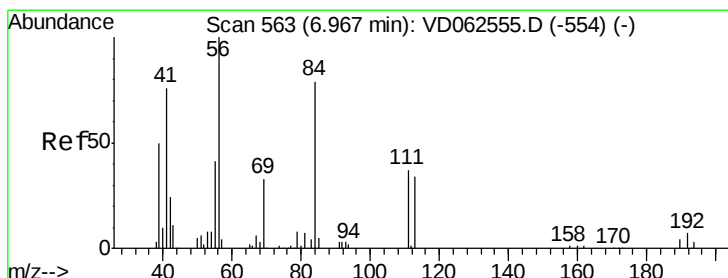
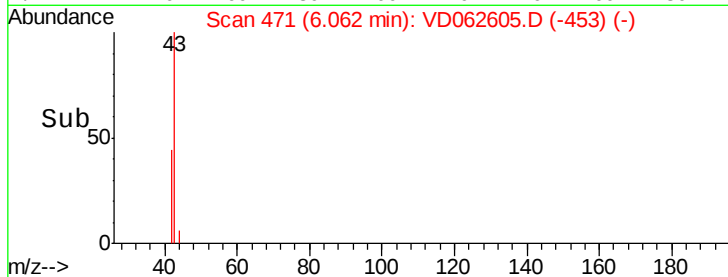
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 2.602 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

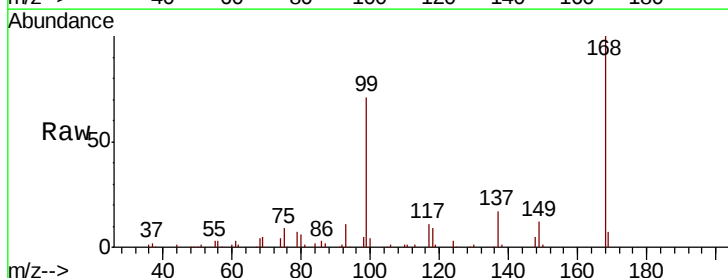
Tgt Ion: 56 Resp: 14366

Ion Ratio Lower Upper

56 100

69 170.7 26.2 39.2#

84 62.4 65.2 97.8#



Abundance Ion 55.95 (55.65 to 56.65): VD062555.D (-554) (-)

Ion 69.00 (68.70 to 69.70): VD062555.D (-554) (-)

Ion 84.05 (83.75 to 84.75): VD062555.D (-554) (-)

7.04

8000

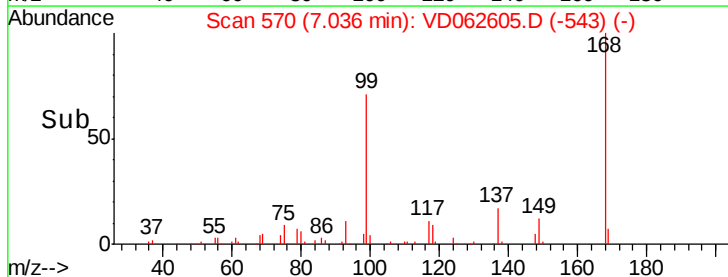
6000

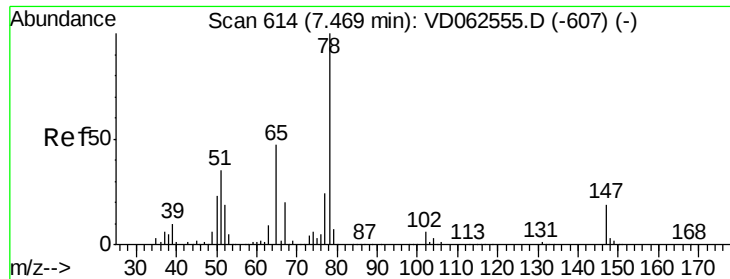
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.432 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

Instrument :

MSVOA_D

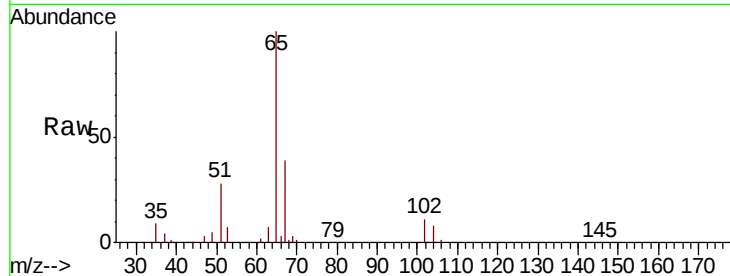
ClientSampleId :

Tot Ion: 65 Resp: 270082

Ion Ratio Lower Upper

65 100

67 39.2 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

100000

80000

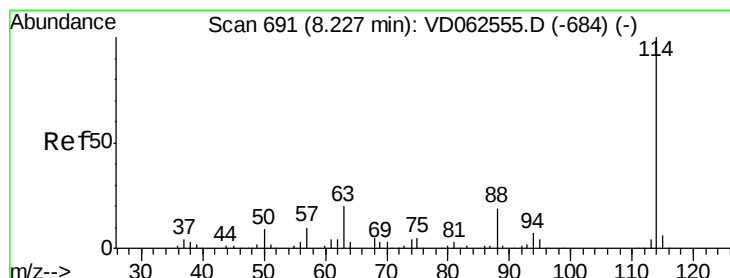
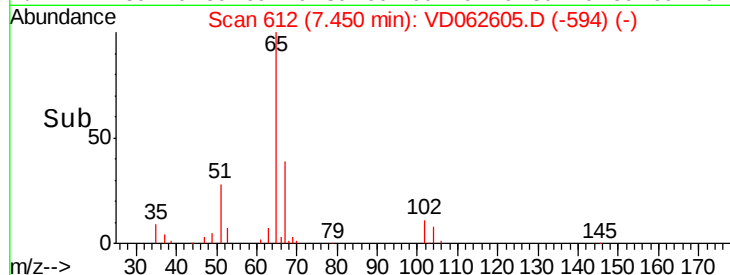
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

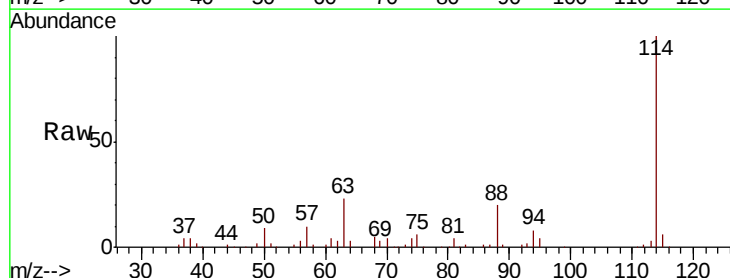
Tgt Ion: 114 Resp: 709575

Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.6

88 20.2 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

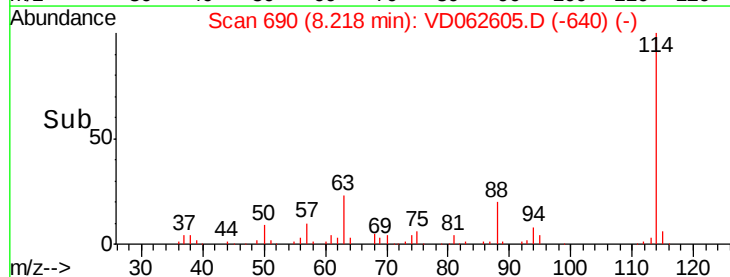
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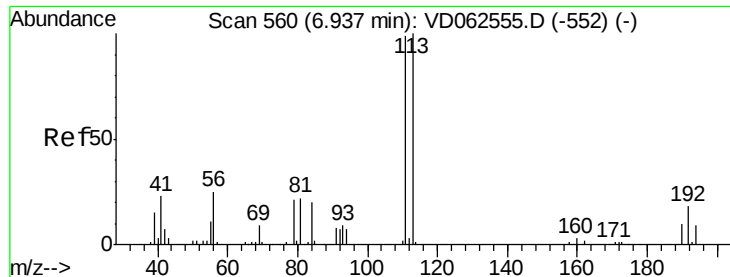
200000

100000

0

Time-->

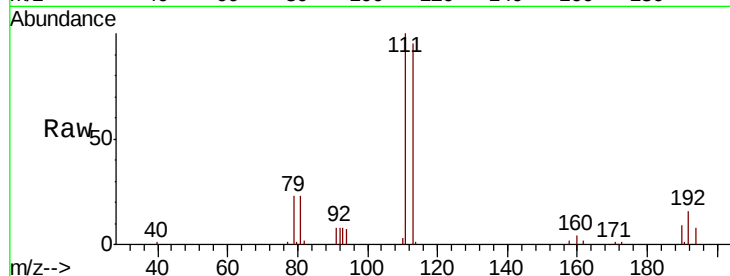




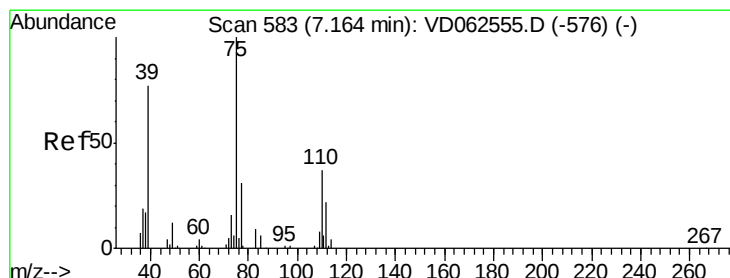
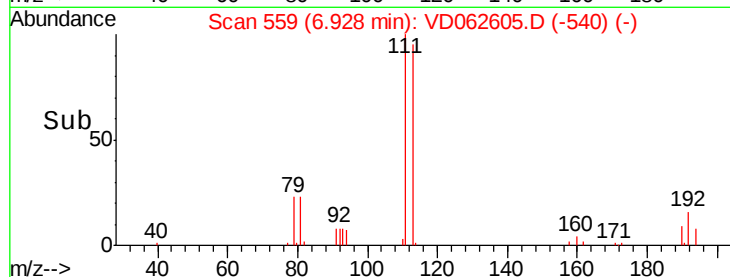
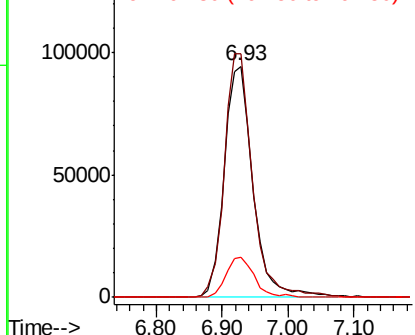
#35
 Dibromofluoromethane
 Concen: 44.651 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062605.D
 Acq: 4 Jun 2019 18:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 288718
 Ion Ratio Lower Upper
 113 100
 111 105.3 78.8 118.2
 192 17.3 14.6 22.0

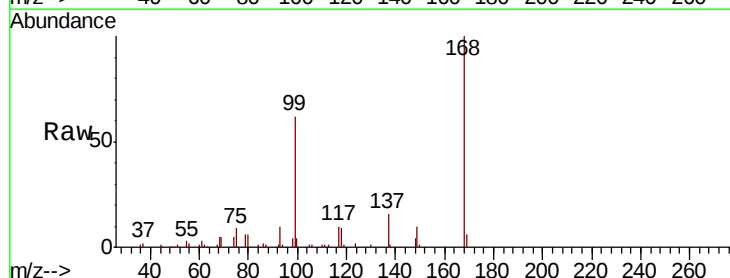


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

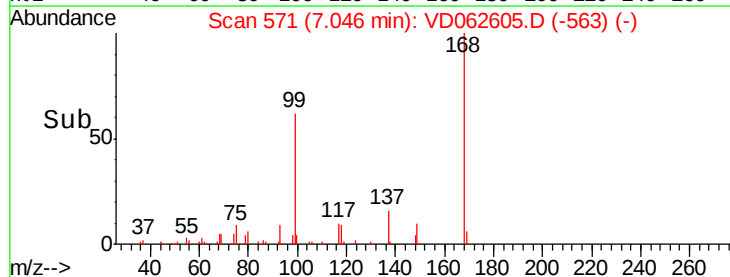
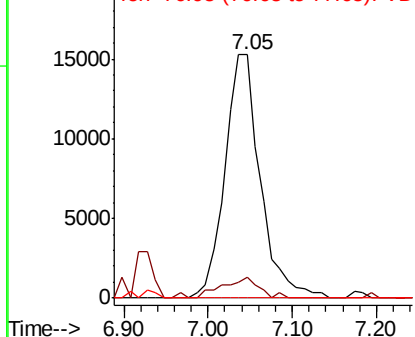


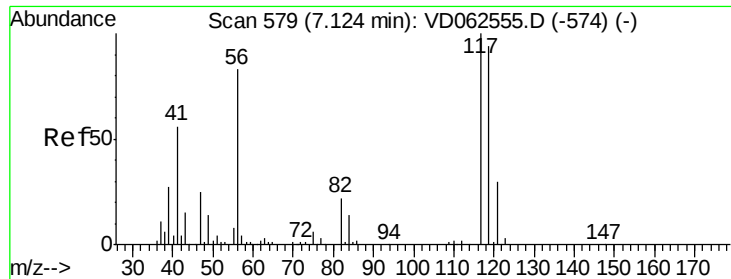
#36
 1,1-Dichloropropene
 Concen: 6.307 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD062605.D
 Acq: 4 Jun 2019 18:26

Tgt Ion: 75 Resp: 44550
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.3 54.8#
 77 0.0 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.238 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

Instrument :

MSVOA_D

ClientSampleId :

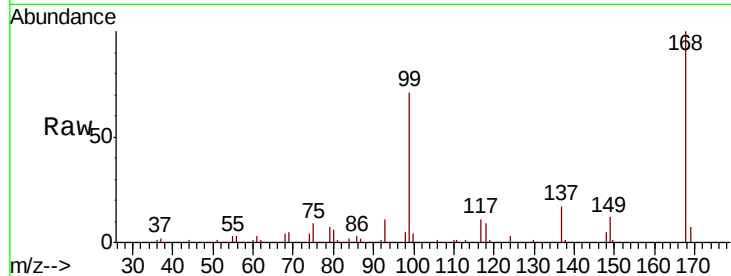
Tot Ion:117 Resp: 55083

Ion Ratio Lower Upper

117 100

119 4.5 71.4 107.2#

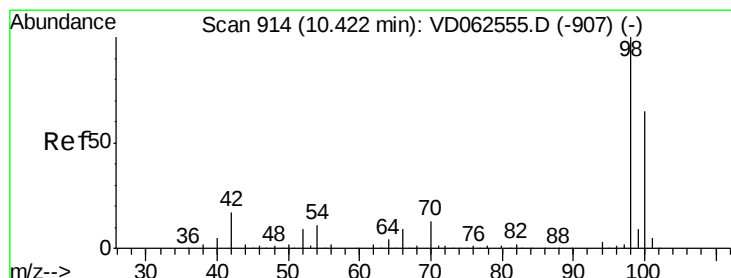
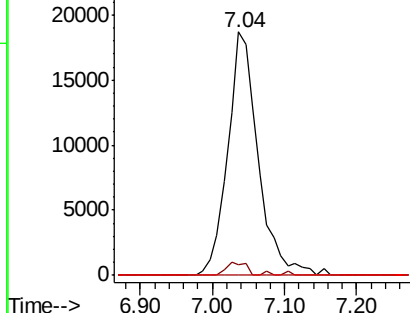
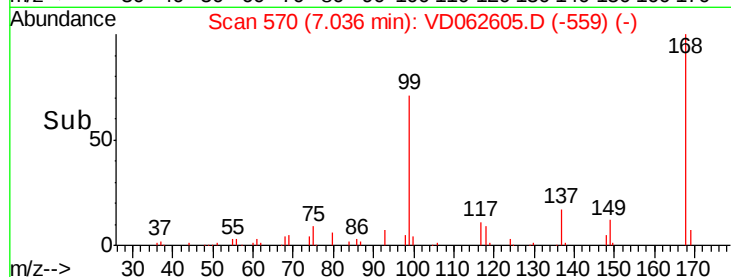
121 0.0 22.5 33.7#



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: 37.526 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062605.D

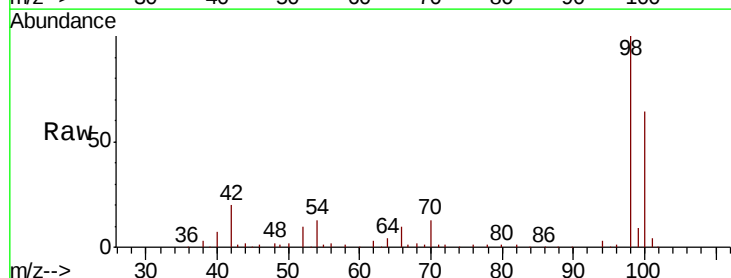
Acq: 4 Jun 2019 18:26

Tgt Ion: 98 Resp: 531639

Ion Ratio Lower Upper

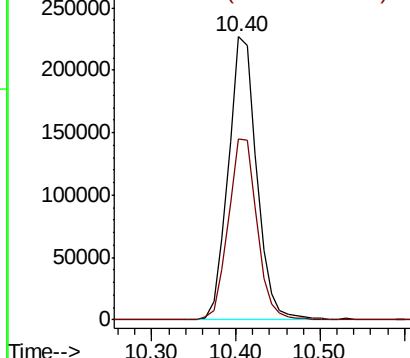
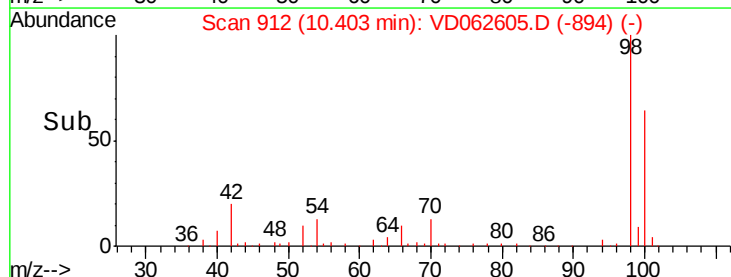
98 100

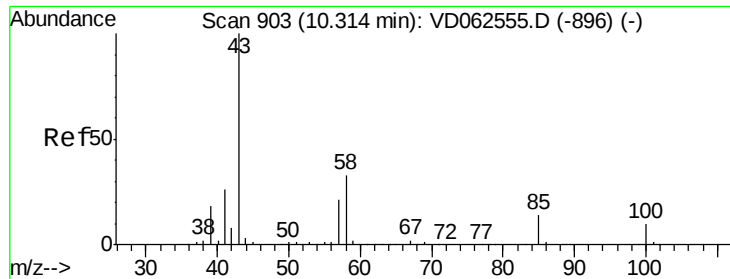
100 64.0 52.3 78.5



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: 1.517 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.08 min

Lab File: VD062605.D

Acq: 4 Jun 2019 18:26

Instrument :

MSVOA_D

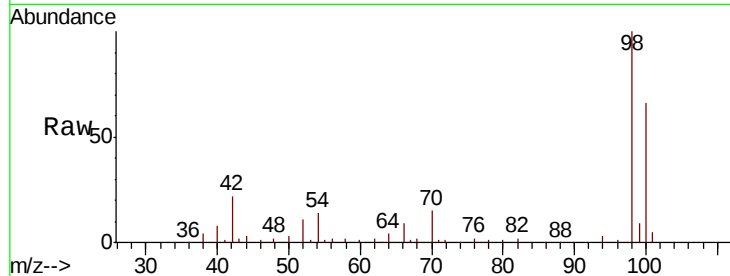
ClientSampleId :

Tot Ion: 43 Resp: 3922

Ion Ratio Lower Upper

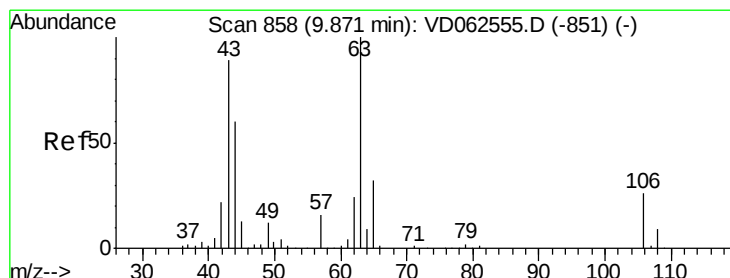
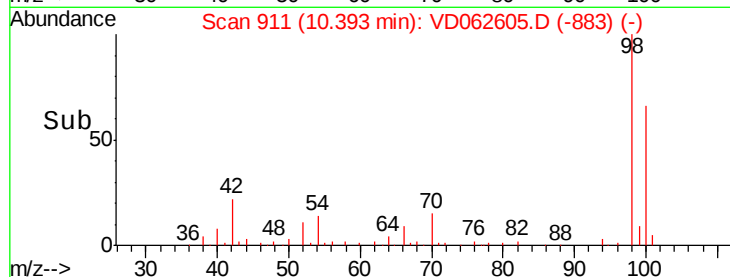
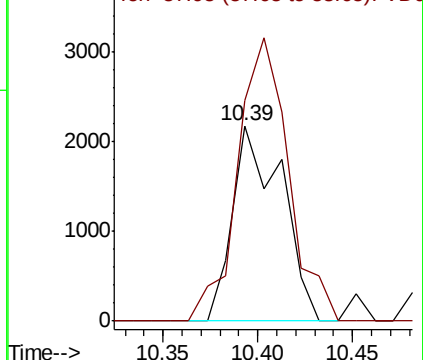
43 100

58 112.9 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.003 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD062605.D

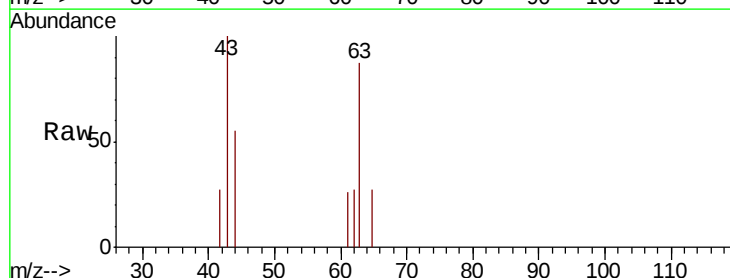
Acq: 4 Jun 2019 18:26

Tgt Ion: 63 Resp: 1702

Ion Ratio Lower Upper

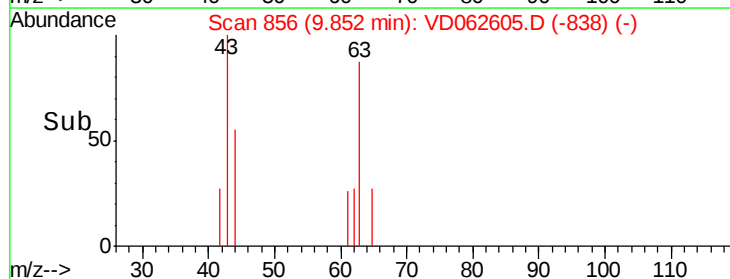
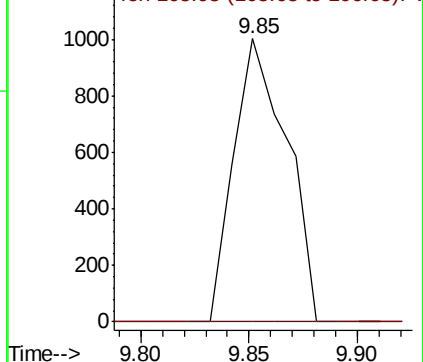
63 100

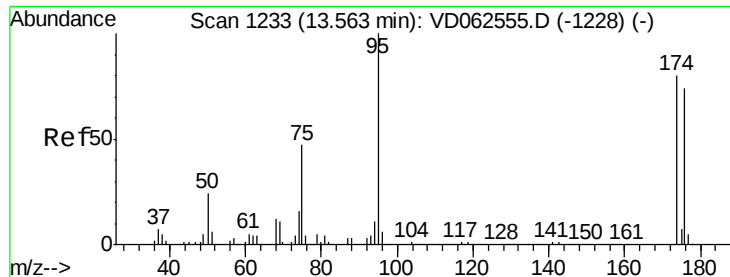
106 0.0 21.0 31.4#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

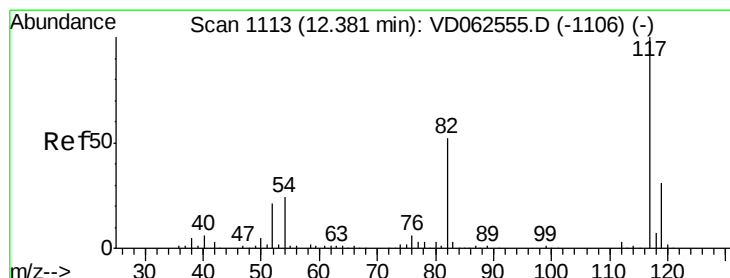
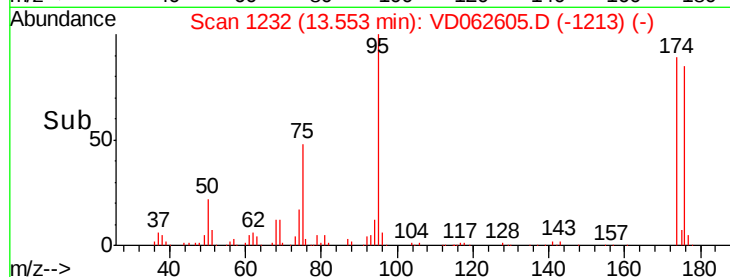
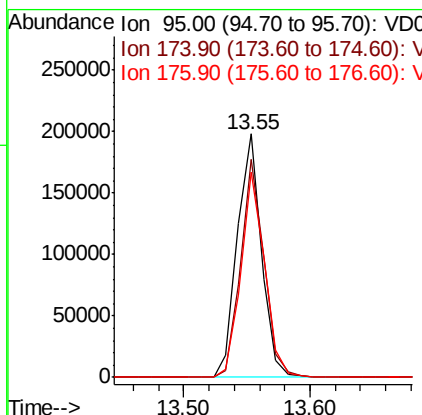
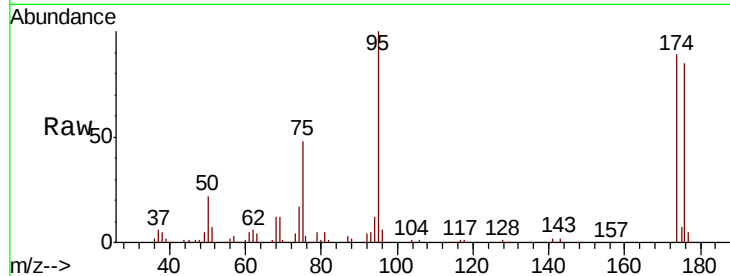




#62
4-Bromofluorobenzene
Concen: 40.605 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

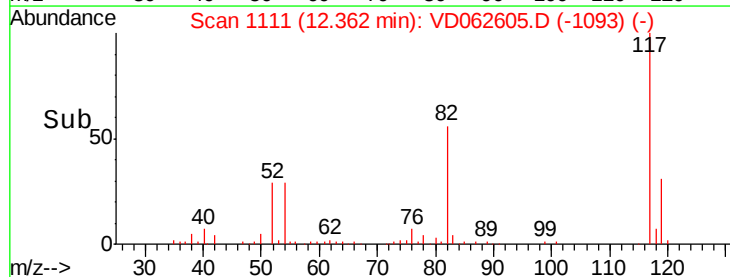
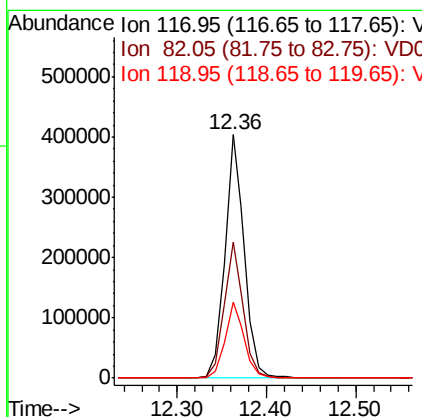
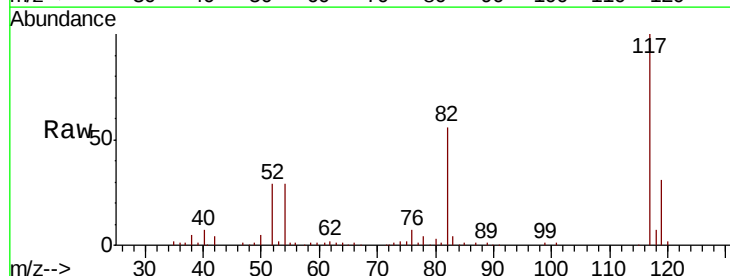
Instrument :
MSVOA_D
ClientSampled :

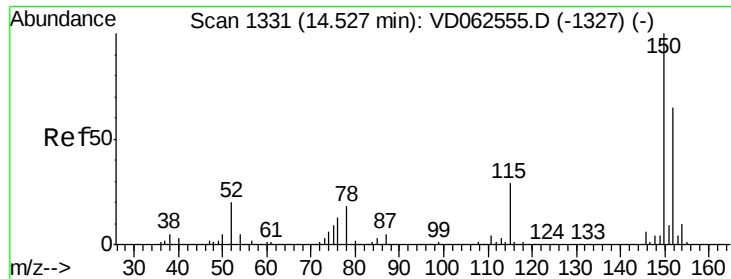
Tot Ion: 95 Resp: 259428
Ion Ratio Lower Upper
95 100
174 89.4 0.0 160.2
176 84.5 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

Tgt Ion: 117 Resp: 616289
Ion Ratio Lower Upper
117 100
82 56.0 41.4 62.2
119 31.4 24.9 37.3



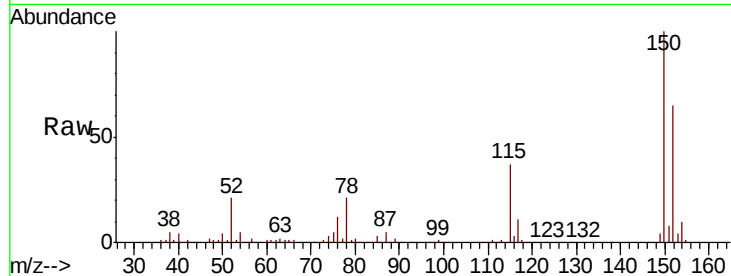


#72

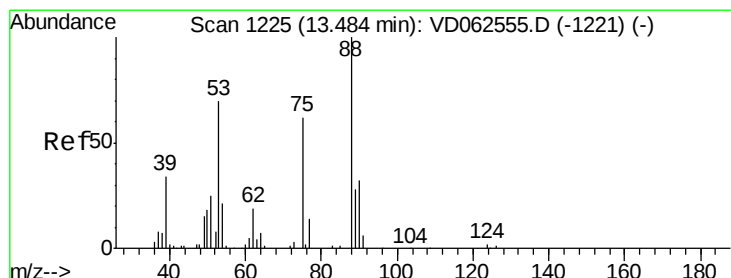
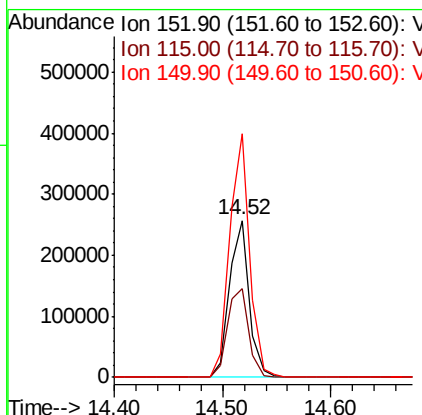
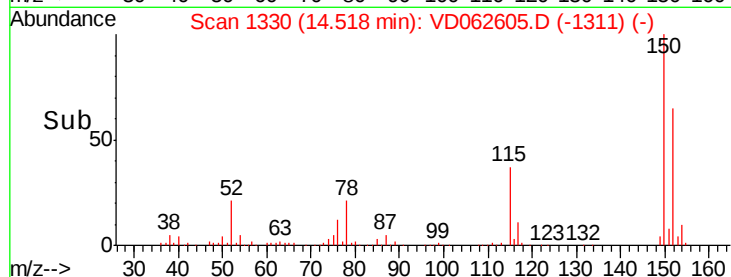
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 326727
Ion Ratio Lower Upper
152 100
115 56.7 28.4 85.3
150 155.0 0.0 310.4



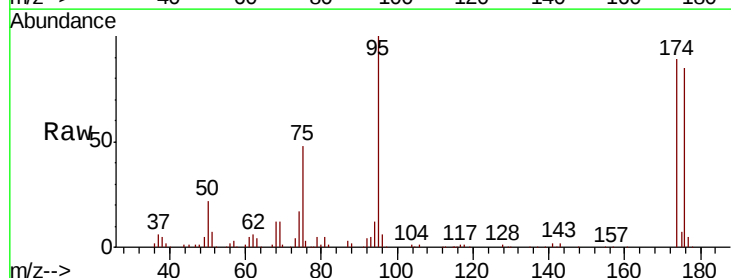
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 112.180 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062605.D
Acq: 4 Jun 2019 18:26

Tgt Ion: 75 Resp: 125998
Ion Ratio Lower Upper
75 100
53 0.0 91.0 136.4#
89 0.0 36.9 55.3#



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

