

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062007.D
 Acq On : 24 Apr 2019 19:51
 Operator : VA/AP
 Sample : K2532-10
 Misc : 6.03g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 01:36:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	317090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	493108	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	358324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	110302	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	162219	65.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.74%	
35) Dibromofluoromethane	6.93	113	208209	61.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.10%	
50) Toluene-d8	10.41	98	430623	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	13.55	95	121474	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	

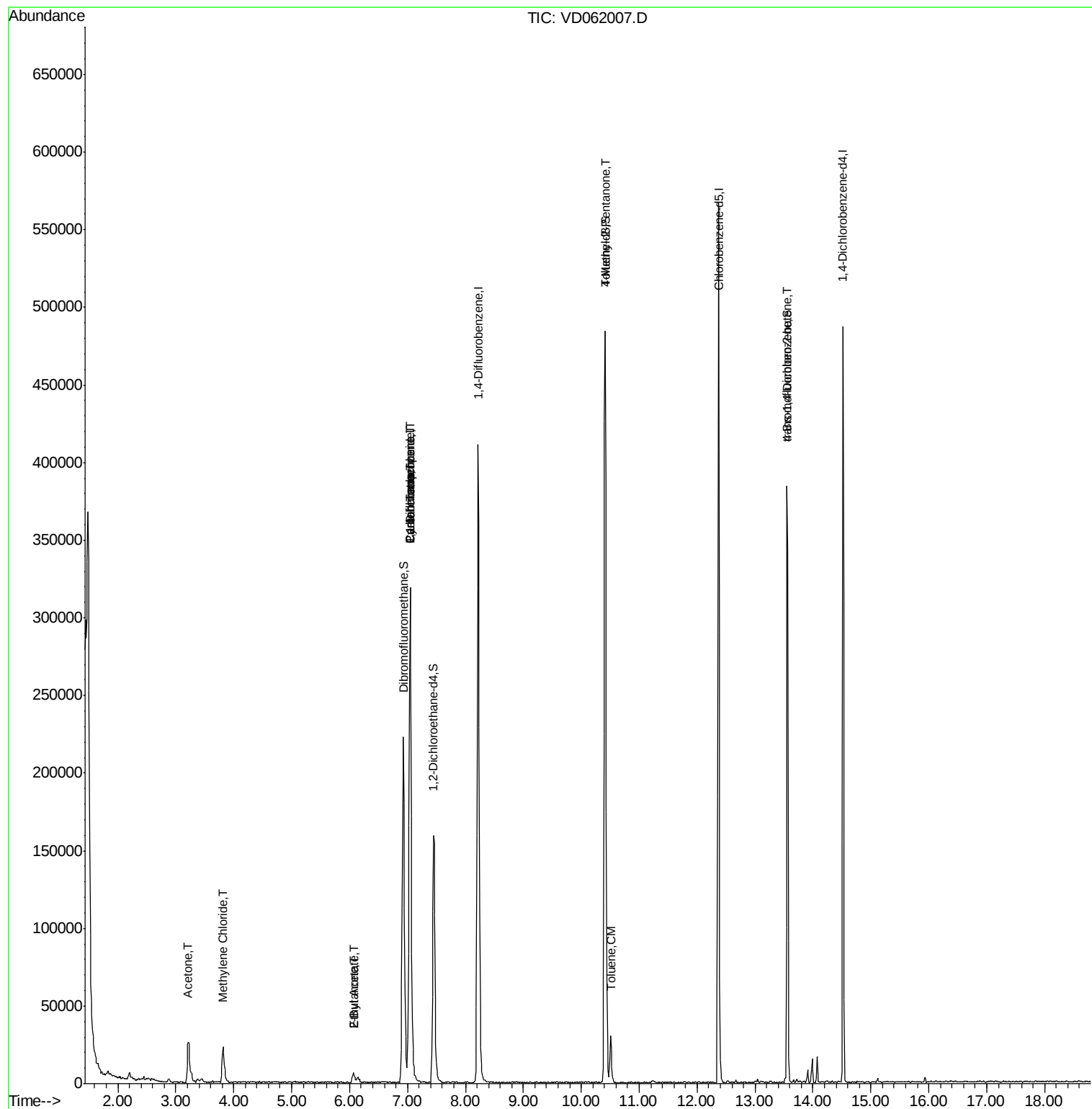
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	53404	90.124	ug/l #	86
18) Methyl Acetate	3.64	43	657	Below Cal	#	53
20) Methylene Chloride	3.82	84	17397	3.035	ug/l	94
25) 2-Butanone	6.07	43	14479	20.153	ug/l	96
31) Cyclohexane	7.06	56	5171	1.399	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	23302	6.065	ug/l #	45
37) Ethyl Acetate	6.07	43	14479	8.844	ug/l #	64
38) Carbon Tetrachloride	7.05	117	30810	6.329	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	1836	1.255	ug/l #	1
52) Toluene	10.51	92	17138	2.826	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.55	75	47681	112.334	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062007.D

Acq: 24 Apr 2019 19:51

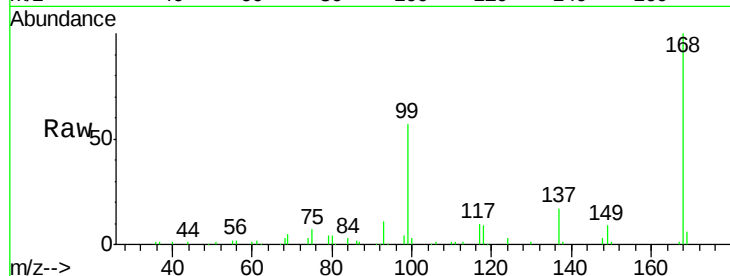
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 317090

Ion Ratio Lower Upper

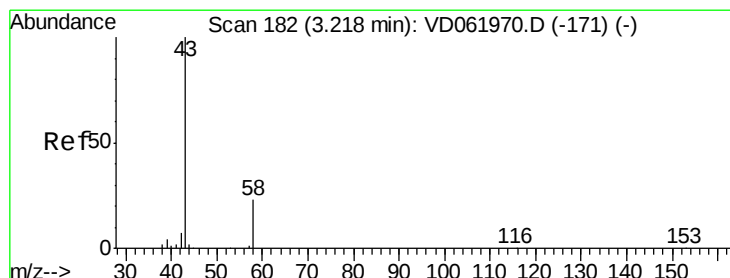
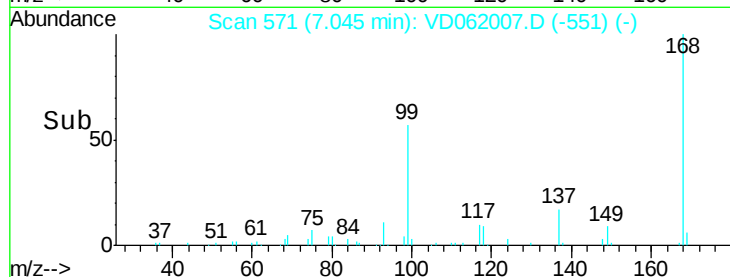
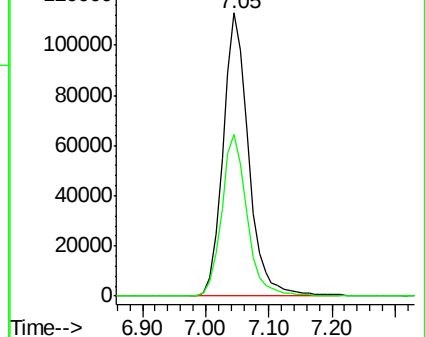
168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 90.124 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062007.D

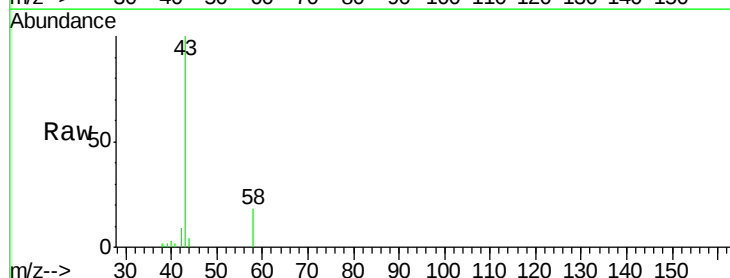
Acq: 24 Apr 2019 19:51

Tgt Ion: 43 Resp: 53404

Ion Ratio Lower Upper

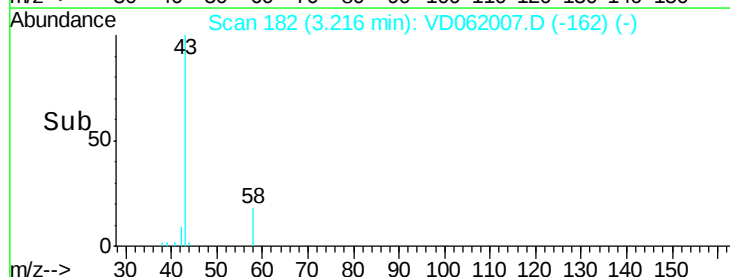
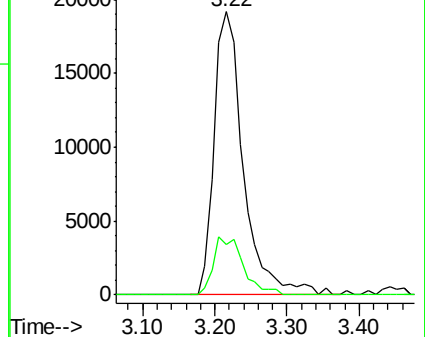
43 100

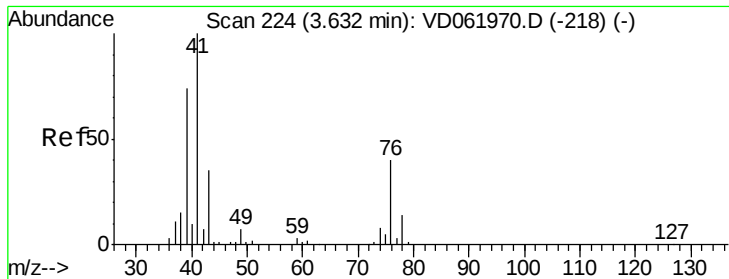
58 18.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

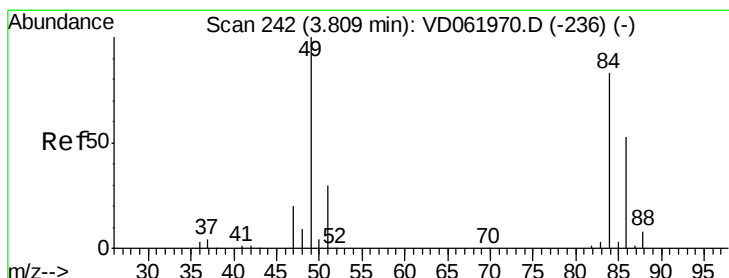
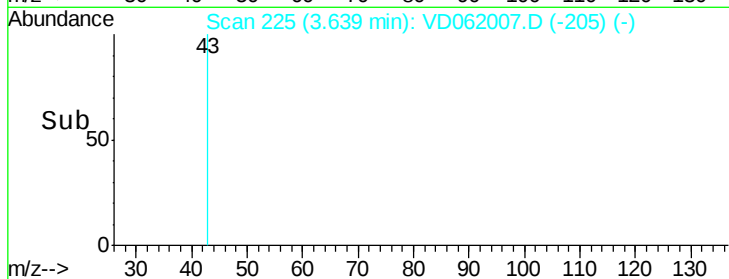
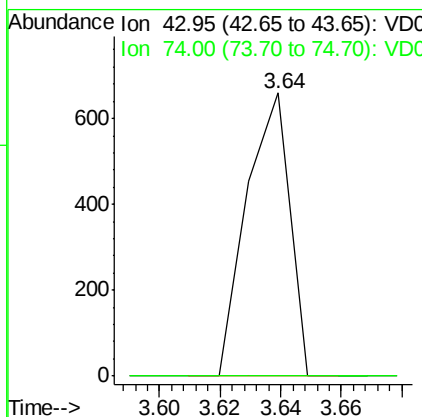
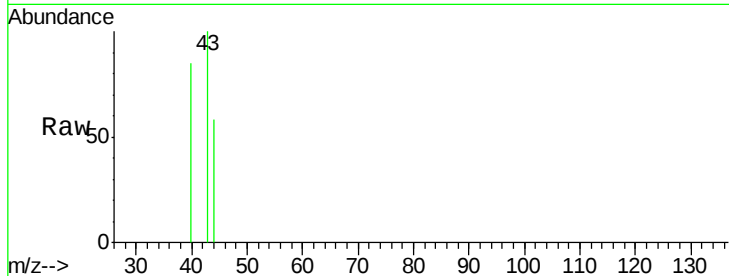




#18
Methyl Acetate
Concen: Below Cal
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062007.D
Acq: 24 Apr 2019 19:51

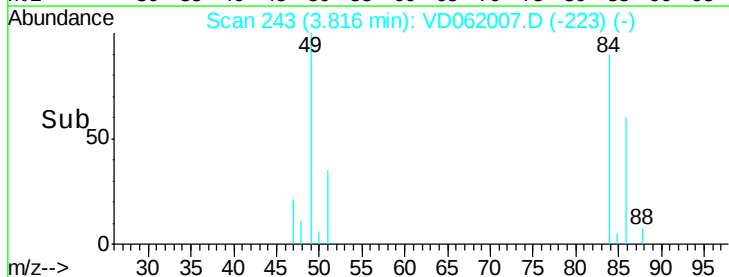
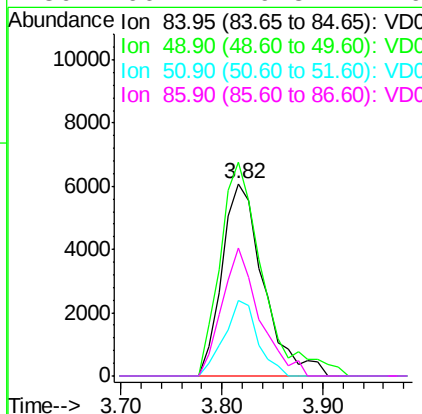
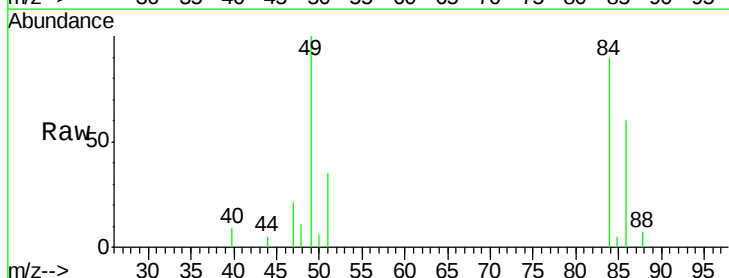
Instrument :
MSVOA_D
ClientSampleId :

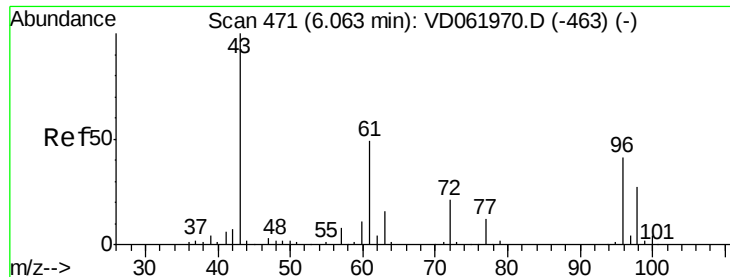
Tot Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 3.035 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062007.D
Acq: 24 Apr 2019 19:51

Tgt Ion: 84 Resp: 17397
Ion Ratio Lower Upper
84 100
49 110.9 94.0 141.0
51 39.1 29.0 43.4
86 66.4 49.8 74.6





#25

2-Butanone

Concen: 20.153 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062007.D

Acq: 24 Apr 2019 19:51

Instrument :

MSVOA_D

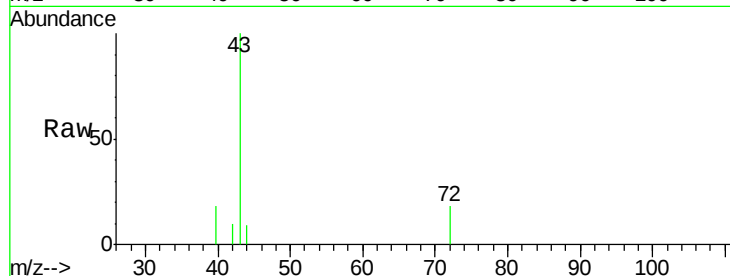
ClientSampled :

Tot Ion: 43 Resp: 14479

Ion Ratio Lower Upper

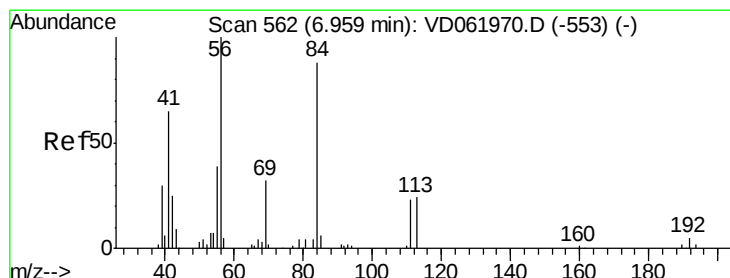
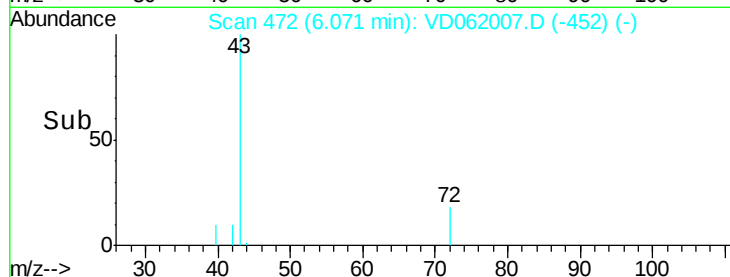
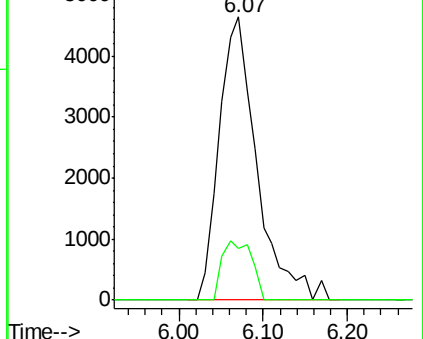
43 100

72 18.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.399 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062007.D

Acq: 24 Apr 2019 19:51

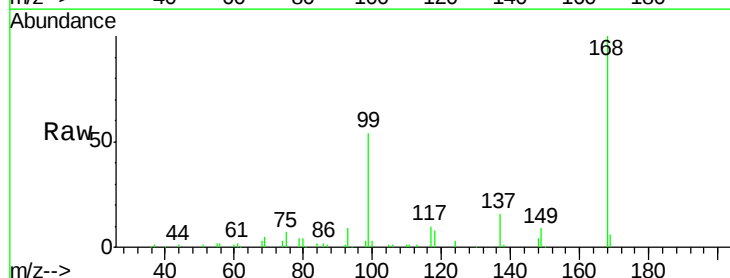
Tgt Ion: 56 Resp: 5171

Ion Ratio Lower Upper

56 100

69 246.7 25.8 38.6#

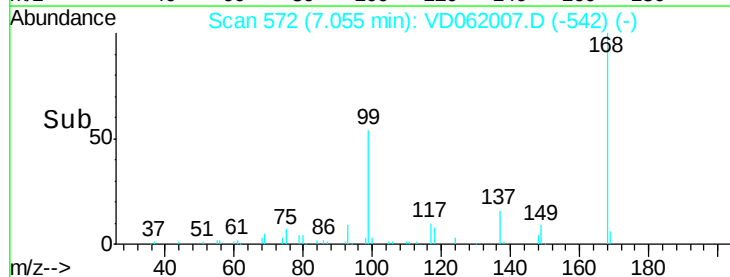
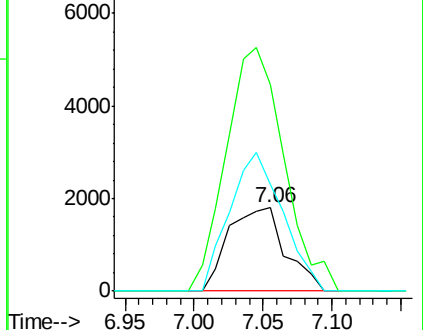
84 128.3 72.2 108.4#

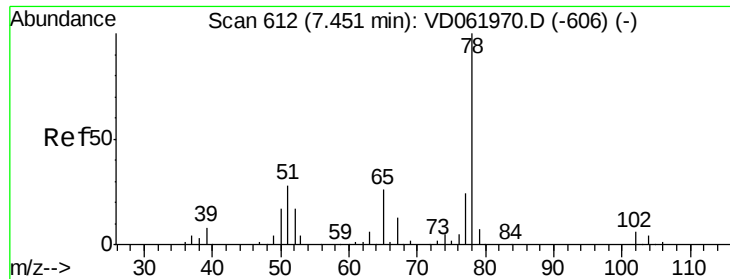


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

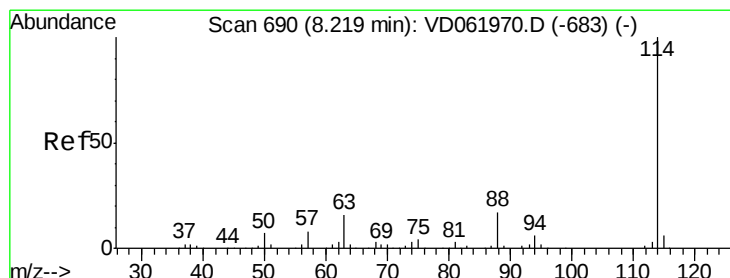
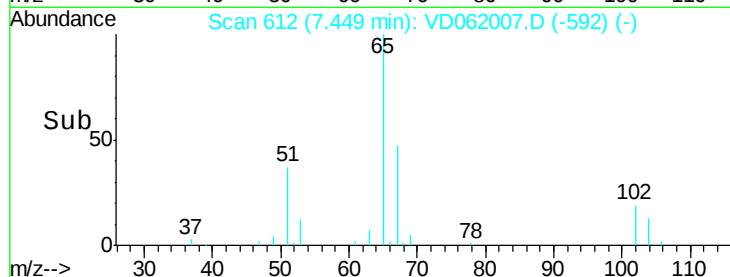
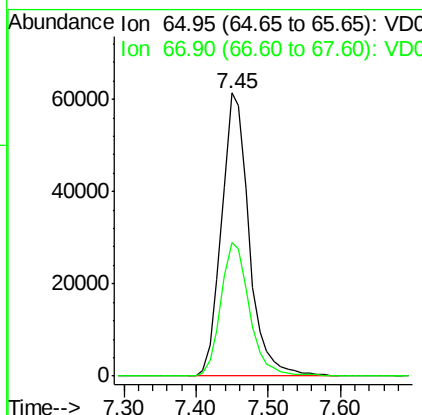
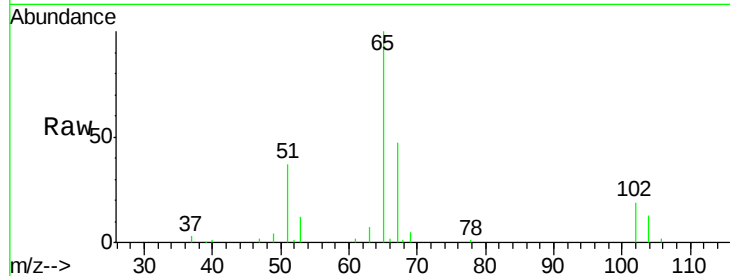




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD062007.D
 Acq: 24 Apr 2019 19:51

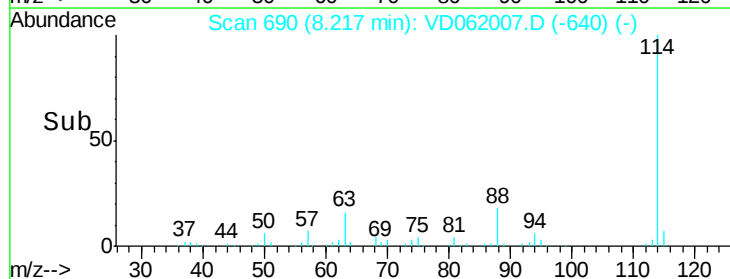
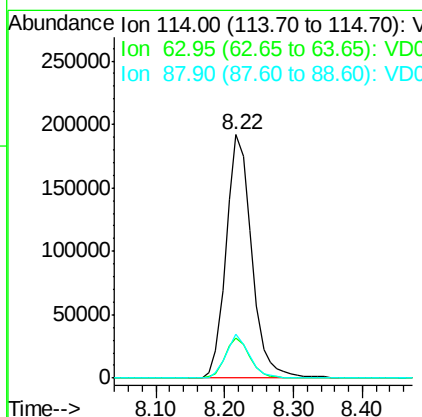
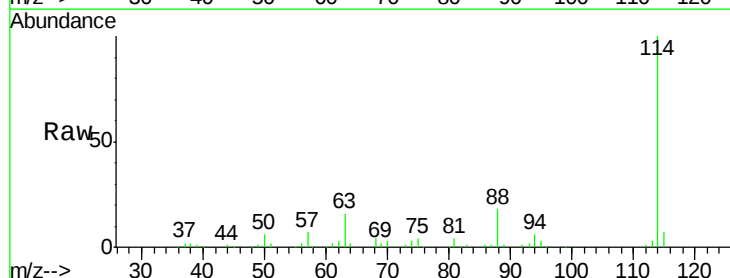
Instrument :
 MSVOA_D
 ClientSampleId :

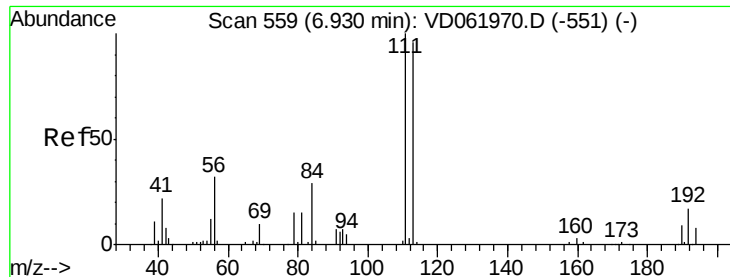
Tot Ion: 65 Resp: 162219
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062007.D
 Acq: 24 Apr 2019 19:51

Tgt Ion: 114 Resp: 493108
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 17.9 0.0 33.6

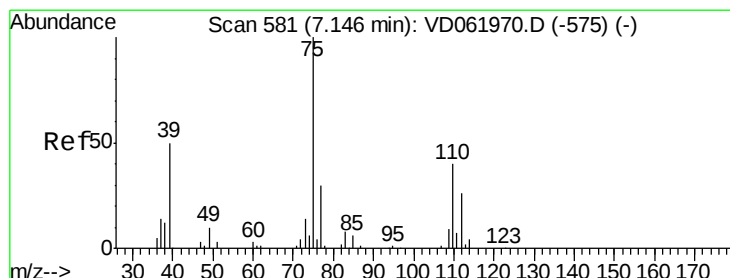
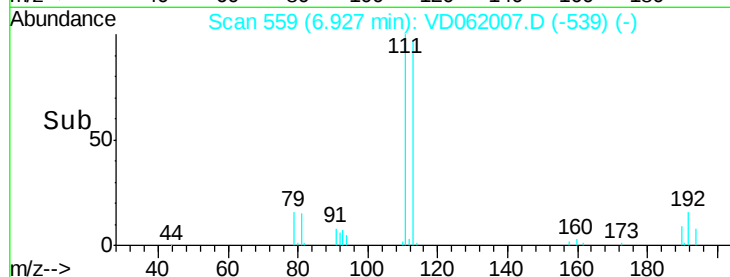
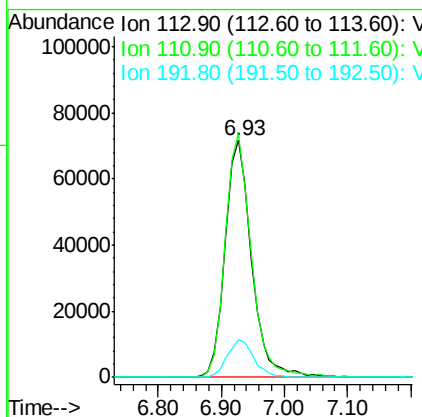
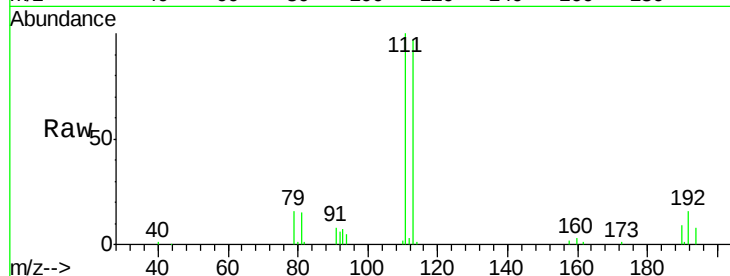




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062007.D
 Acq: 24 Apr 2019 19:51

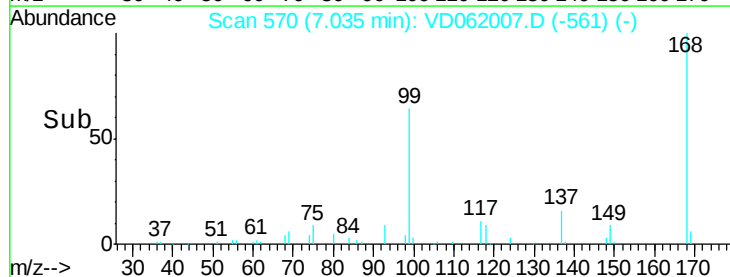
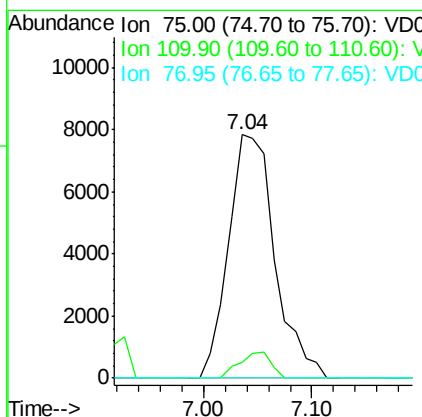
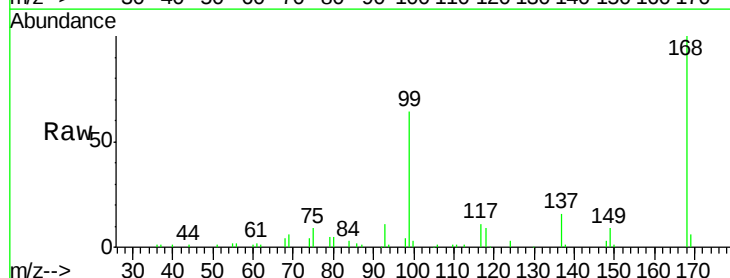
Instrument :
 MSVOA_D
 ClientSampleId :

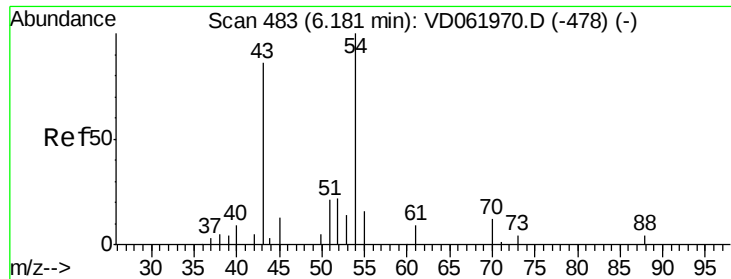
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	78.5	117.7
192	16.1	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 6.065 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD062007.D
 Acq: 24 Apr 2019 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	19.1	57.1#
77	0.0	25.6	38.4#

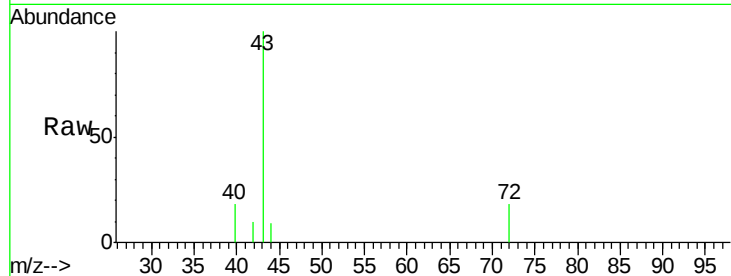




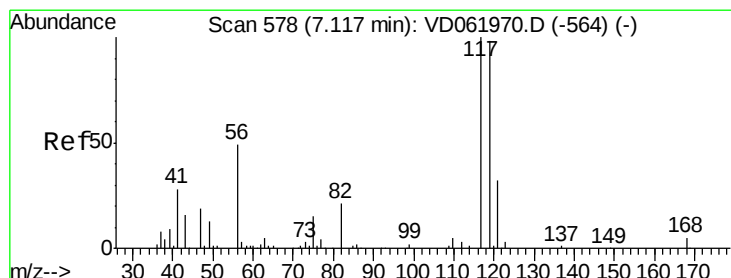
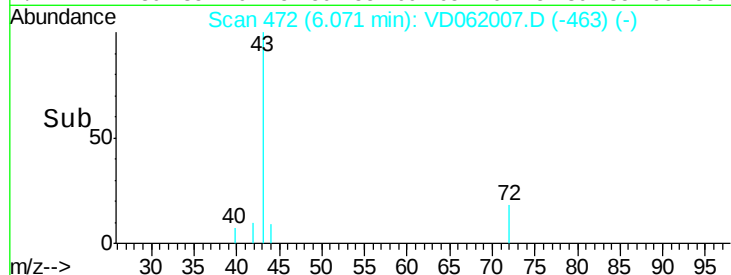
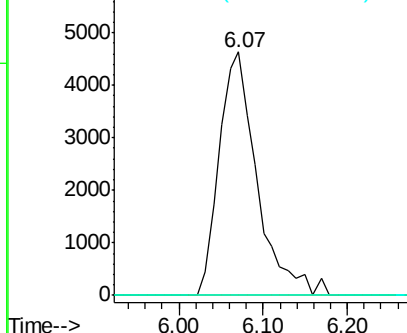
#37
Ethyl Acetate
Concen: 8.844 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.12 min
Lab File: VD062007.D
Acq: 24 Apr 2019 19:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 14479
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#
70 0.0 7.8 11.6#

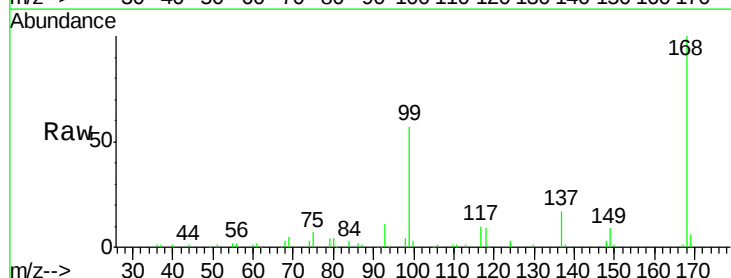


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

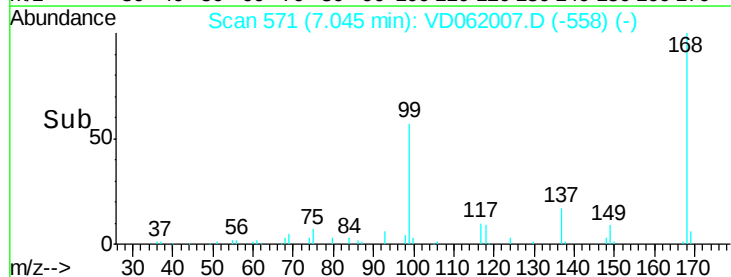
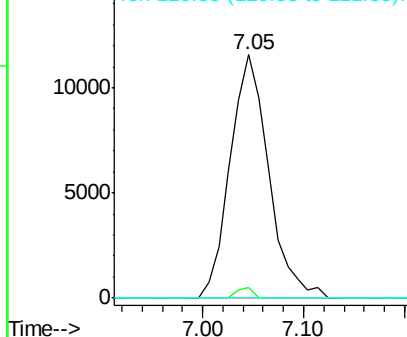


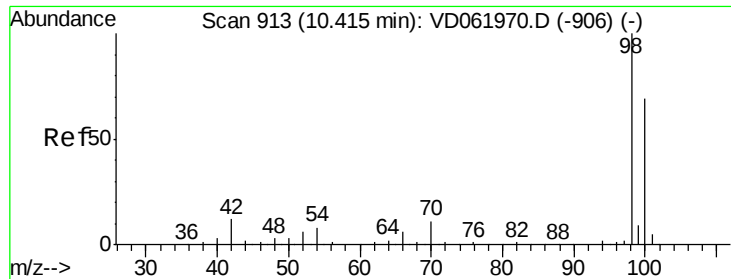
#38
Carbon Tetrachloride
Concen: 6.329 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.08 min
Lab File: VD062007.D
Acq: 24 Apr 2019 19:51

Tgt Ion: 117 Resp: 30810
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 25.9 38.9#



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: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062007.D

Acq: 24 Apr 2019 19:51

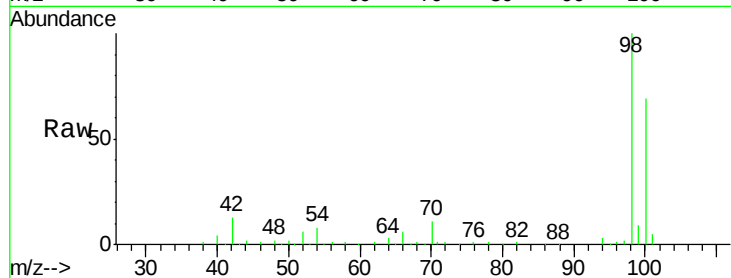
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 430623

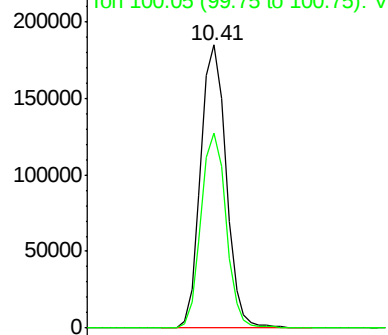
Ion Ratio Lower Upper

98 100

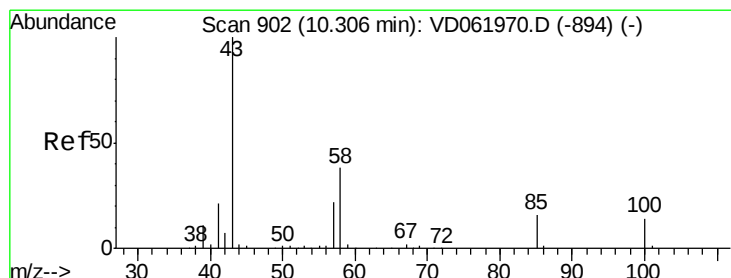
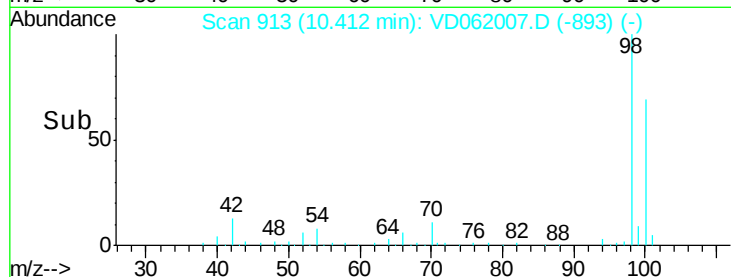
100 69.0 53.8 80.8



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



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.255 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.10 min

Lab File: VD062007.D

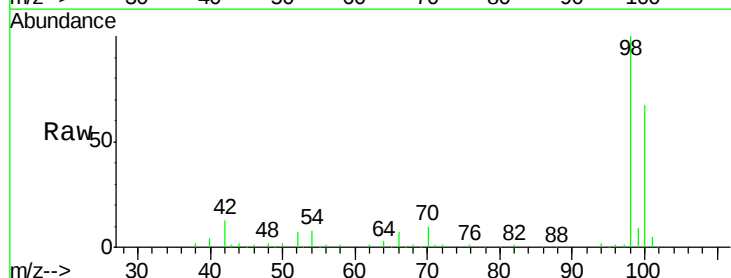
Acq: 24 Apr 2019 19:51

Tgt Ion: 43 Resp: 1836

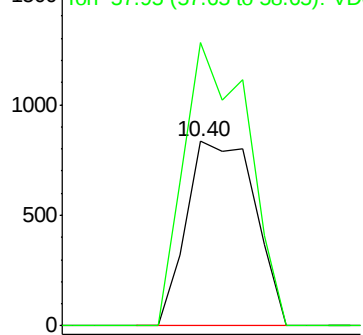
Ion Ratio Lower Upper

43 100

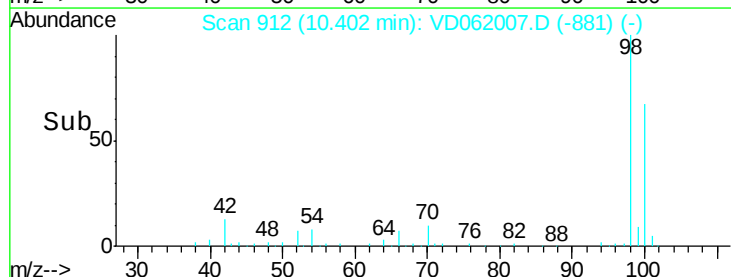
58 153.5 30.4 45.6#

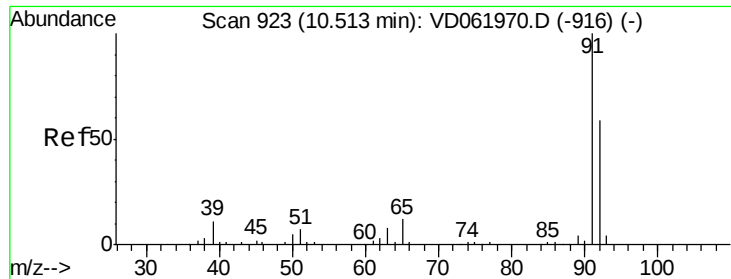


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time-->





#52

Toluene

Concen: 2.826 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062007.D

Acq: 24 Apr 2019 19:51

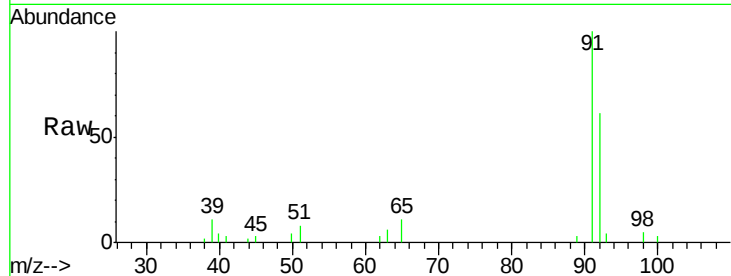
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 17138

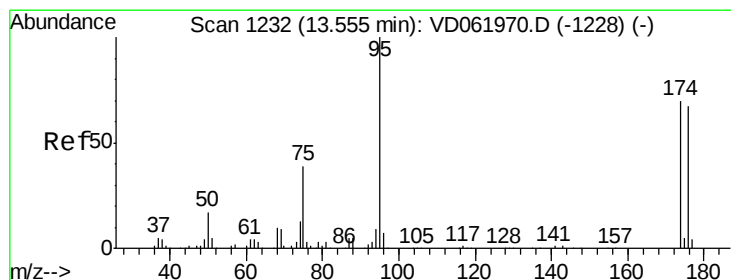
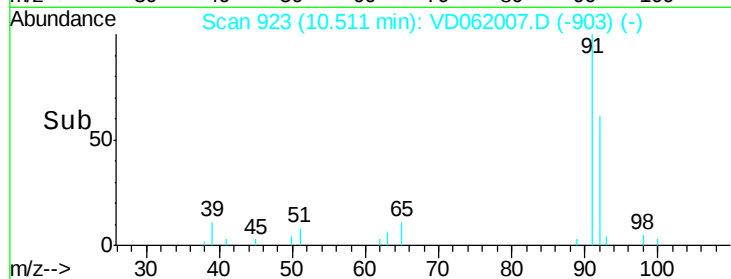
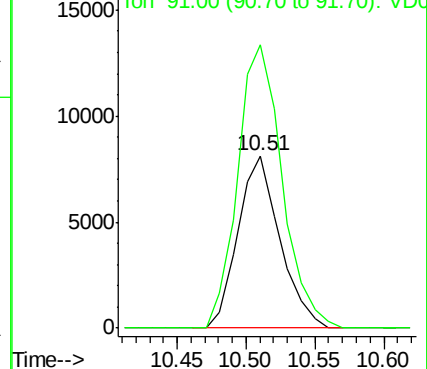
Ion Ratio Lower Upper

92 100

91 164.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062007.D

Acq: 24 Apr 2019 19:51

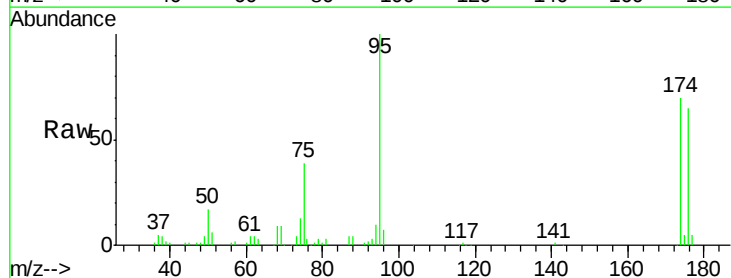
Tgt Ion: 95 Resp: 121474

Ion Ratio Lower Upper

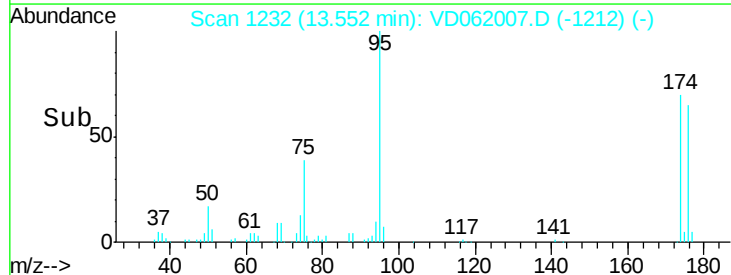
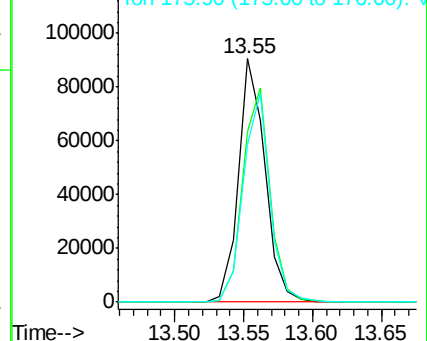
95 100

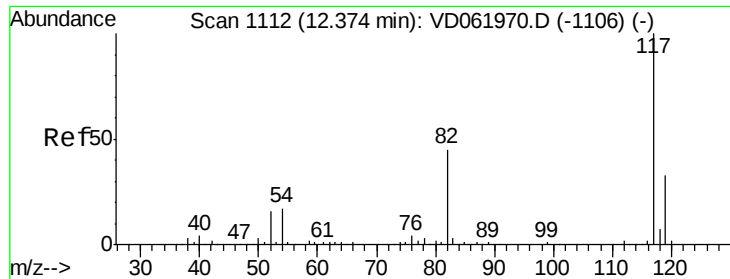
174 70.2 0.0 181.8

176 64.7 0.0 174.4



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

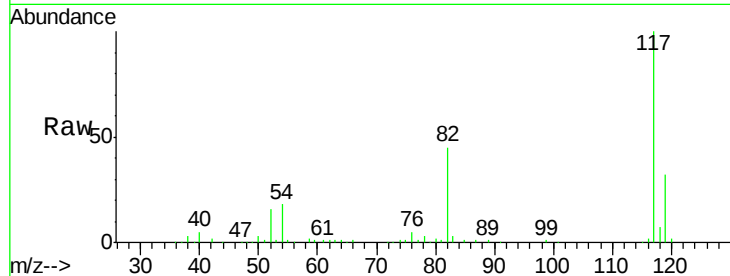




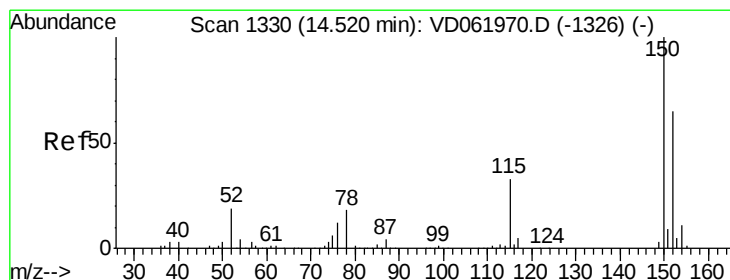
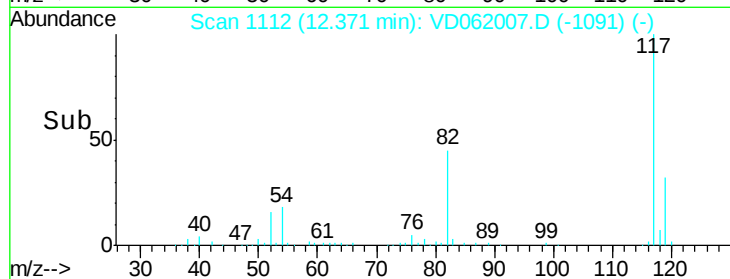
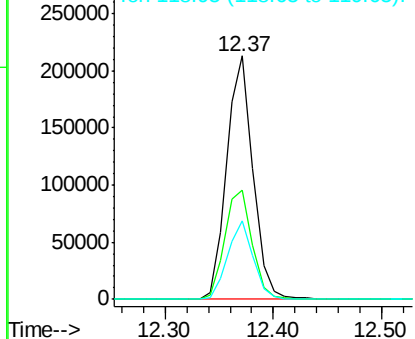
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062007.D
Acq: 24 Apr 2019 19:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 358324
Ion Ratio Lower Upper
117 100
82 45.1 36.2 54.2
119 32.1 26.2 39.4

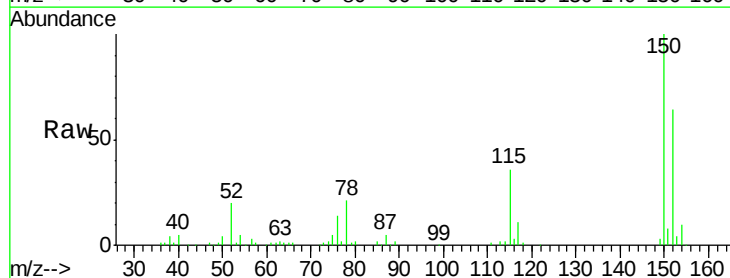


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

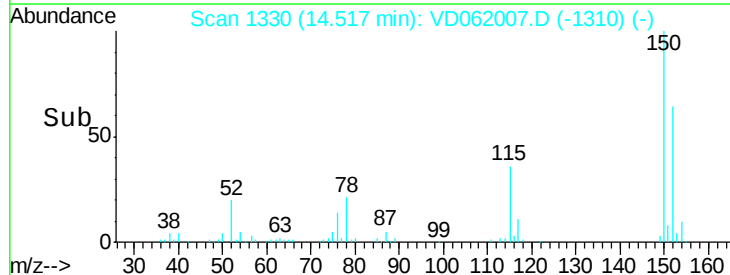
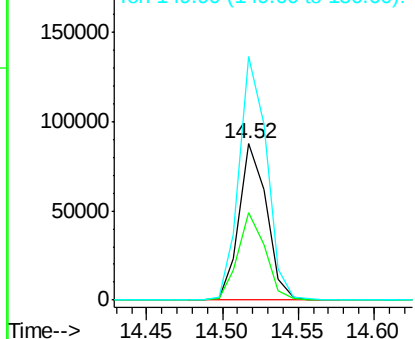


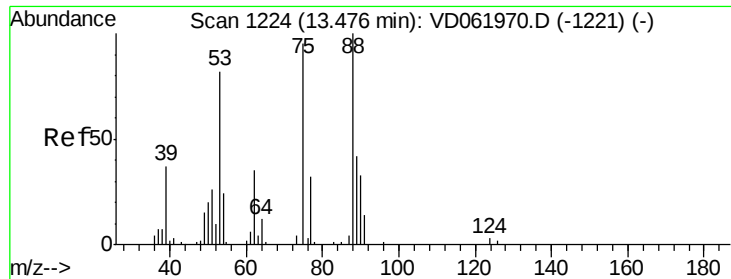
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062007.D
Acq: 24 Apr 2019 19:51

Tgt Ion:152 Resp: 110302
Ion Ratio Lower Upper
152 100
115 55.7 30.9 92.7
150 155.6 0.0 314.8



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: 112.334 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062007.D

Acq: 24 Apr 2019 19:51

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 47681

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

