

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062066.D
 Acq On : 29 Apr 2019 16:51
 Operator : FY/SY
 Sample : K2584-02RE
 Misc : 6.13gm/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:11:17 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	7.02	168	392893	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	617471	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	502507	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	158050	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	188063	61.16	ug/l	-0.03
Spiked Amount			Recovery	=	122.32%	
35) Dibromofluoromethane	6.90	113	267042	62.53	ug/l	-0.04
Spiked Amount			Recovery	=	125.06%	
50) Toluene-d8	10.39	98	509782	50.17	ug/l	-0.03
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	13.54	95	188286	46.20	ug/l	-0.02
Spiked Amount			Recovery	=	92.40%	

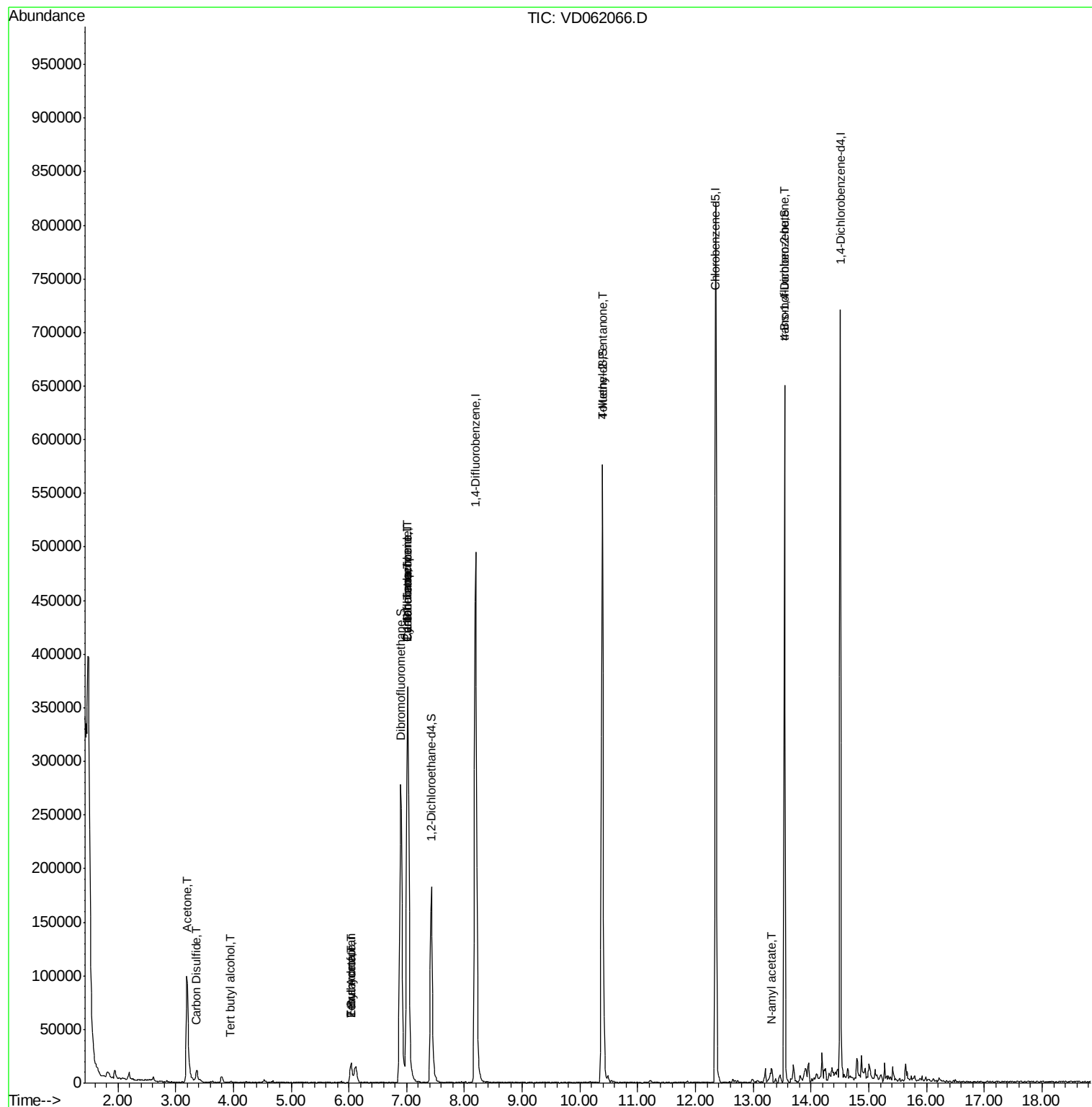
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	215	1.237	ug/l #	76
16) Acetone	3.19	43	187537	255.424	ug/l	95
17) Carbon Disulfide	3.36	76	21548	2.328	ug/l	97
18) Methyl Acetate	3.62	43	2502	Below Cal	#	53
20) Methylene Chloride	3.79	84	3778	Below Cal	#	87
25) 2-Butanone	6.04	43	42354	47.579	ug/l	94
29) Tetrahydrofuran	6.04	42	1810	4.127	ug/l #	1
31) Cyclohexane	7.01	56	7166	1.565	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	29950	6.226	ug/l #	47
37) Ethyl Acetate	6.04	43	42353	20.660	ug/l #	64
38) Carbon Tetrachloride	7.02	117	38204	6.267	ug/l #	16
51) 4-Methyl-2-Pentanone	10.39	43	1861	1.016	ug/l #	1
74) N-amyl acetate	13.31	43	4613	1.699	ug/l #	70
81) trans-1,4-Dichloro-2-buten	13.54	75	71312	117.251	ug/l #	16

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

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MSVOA_D
ClientSampleId :

Quant Time: Apr 30 01:11:17 2019
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: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062066.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_D

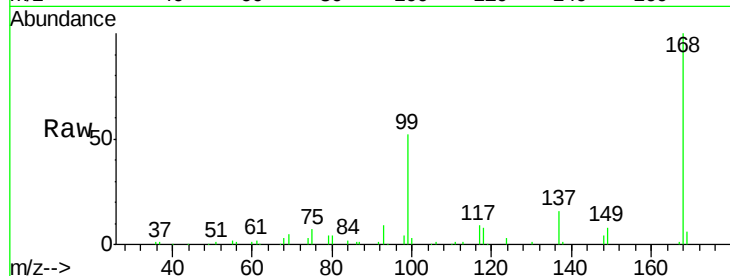
ClientSampleId :

Tot Ion:168 Resp: 392893

Ion Ratio Lower Upper

168 100

99 52.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

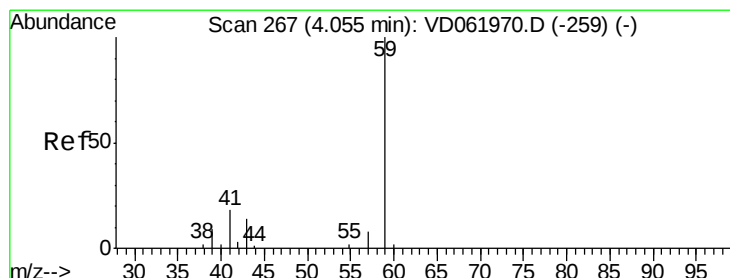
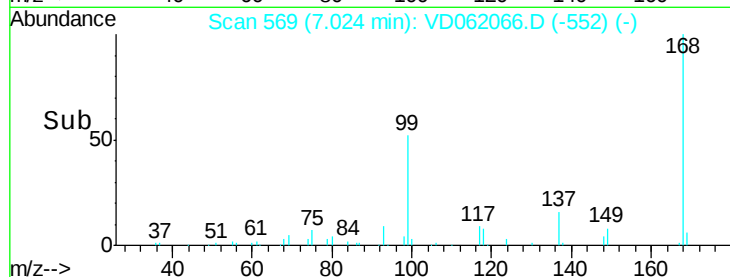
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#11

Tert butyl alcohol

Concen: 1.237 ug/l

RT: 3.96 min Scan# 258

Delta R.T. -0.10 min

Lab File: VD062066.D

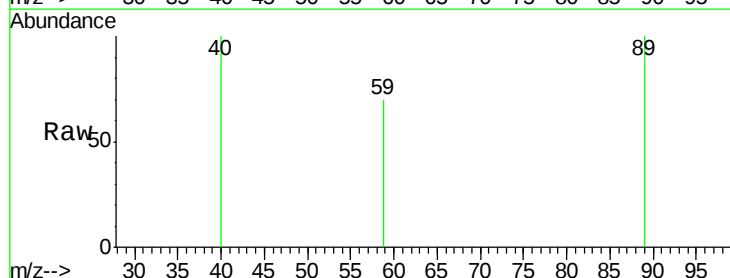
Acq: 29 Apr 2019 16:51

Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.96

400

300

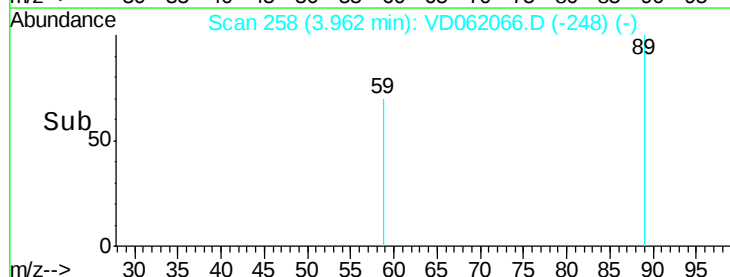
200

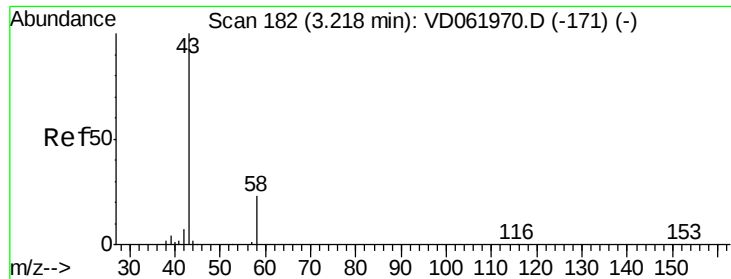
100

0

Time-->

3.94 3.96 3.98





#16

Acetone

Concen: 255.424 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062066.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_D

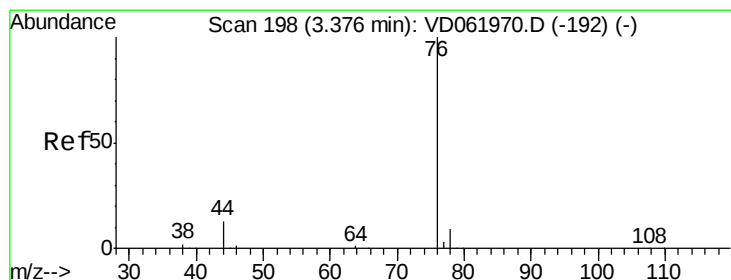
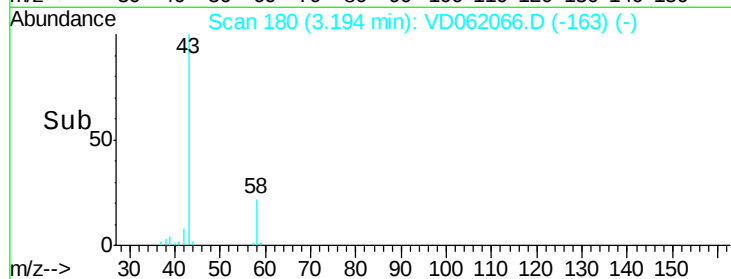
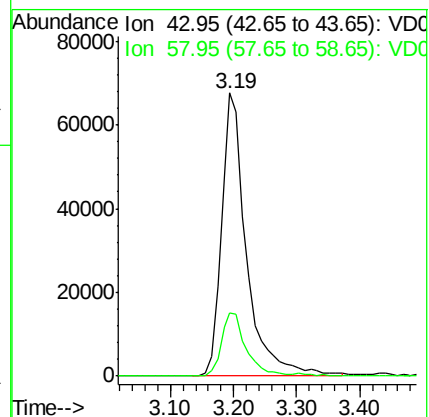
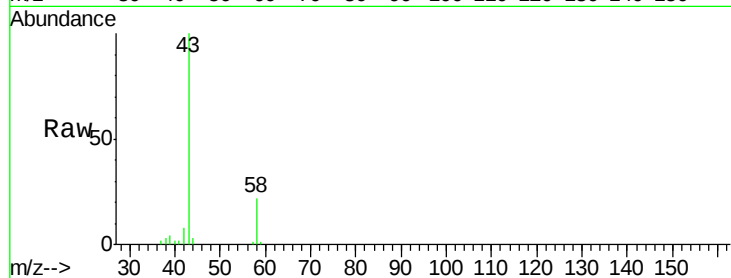
ClientSampleId :

Tot Ion: 43 Resp: 187537

Ion Ratio Lower Upper

43 100

58 22.4 19.9 29.9



#17

Carbon Disulfide

Concen: 2.328 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD062066.D

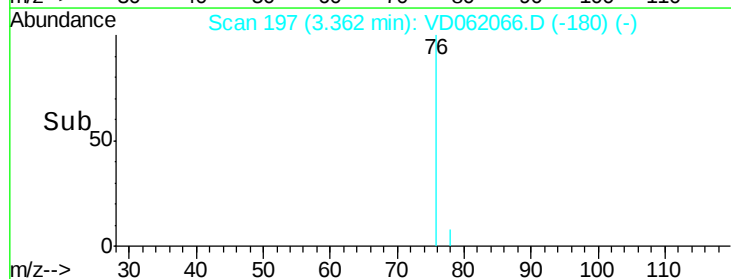
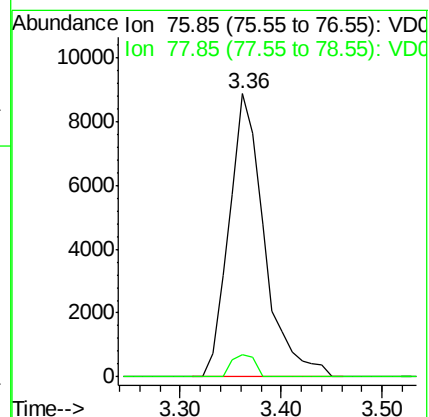
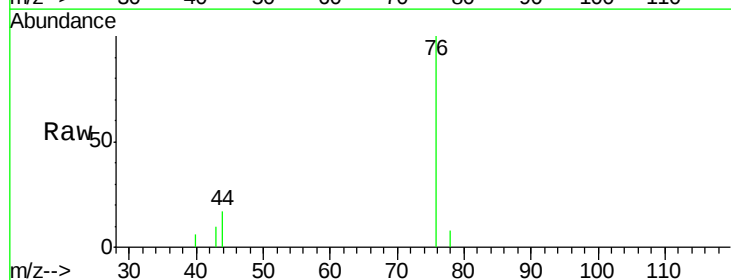
Acq: 29 Apr 2019 16:51

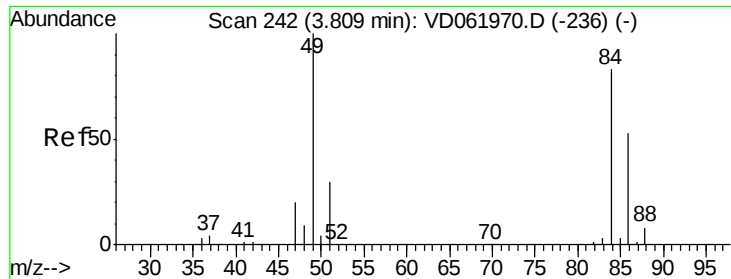
Tgt Ion: 76 Resp: 21548

Ion Ratio Lower Upper

76 100

78 8.0 7.2 10.8





#20

Methylene Chloride

Concen: Below Cal

RT: 3.79 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD062066.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 3778

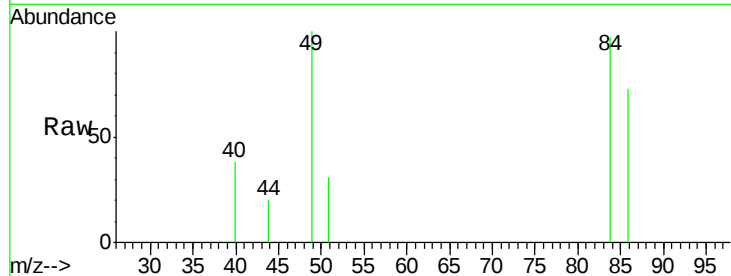
Ion Ratio Lower Upper

84 100

49 103.3 94.0 141.0

51 31.5 29.0 43.4

86 75.0 49.8 74.6#

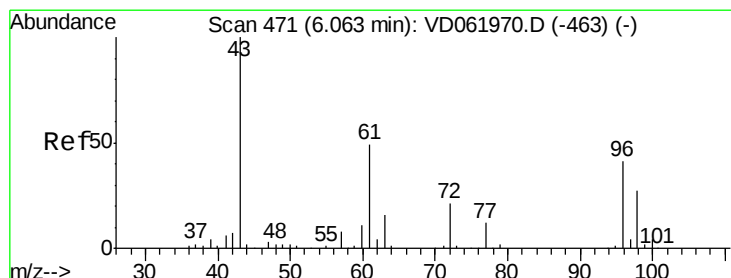
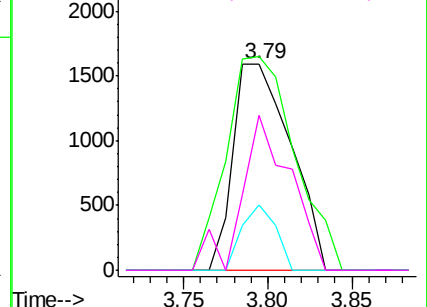
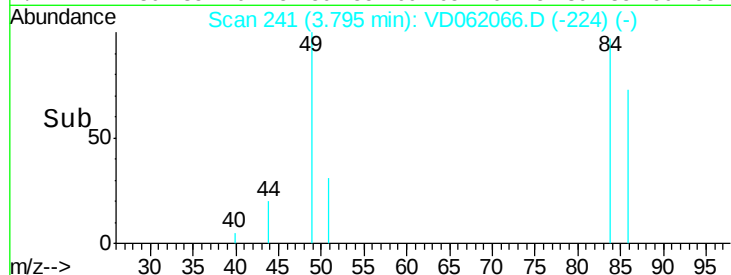


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 47.579 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.04 min

Lab File: VD062066.D

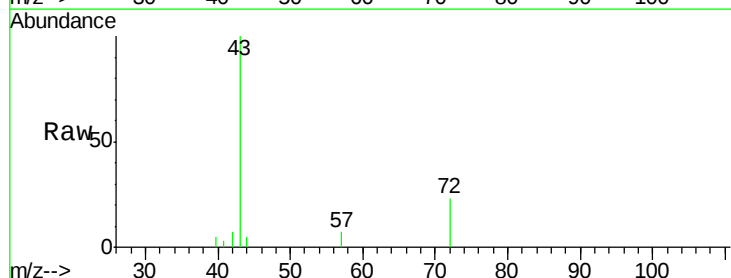
Acq: 29 Apr 2019 16:51

Tgt Ion: 43 Resp: 42354

Ion Ratio Lower Upper

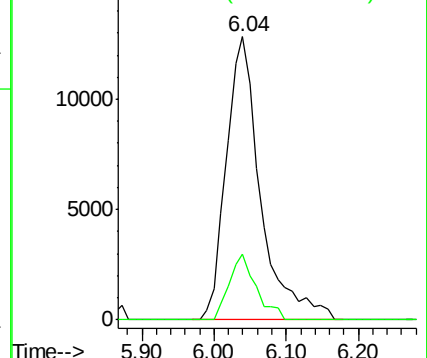
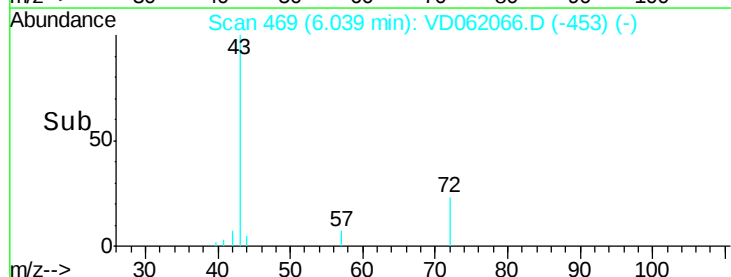
43 100

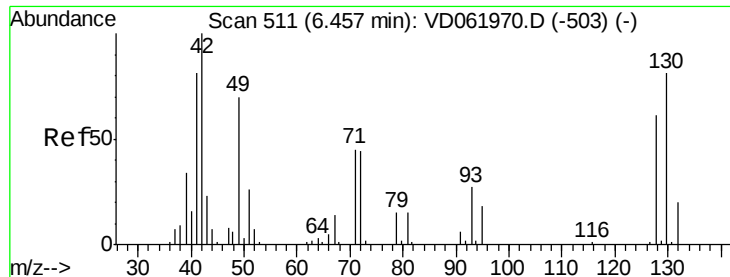
72 23.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

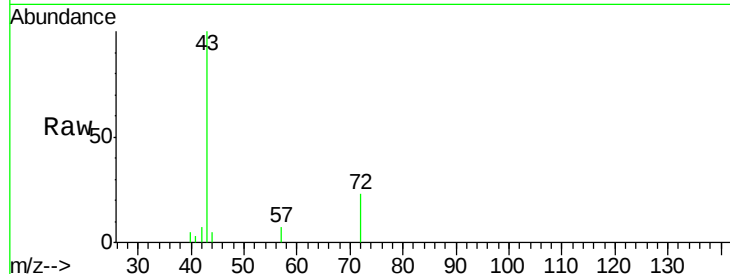




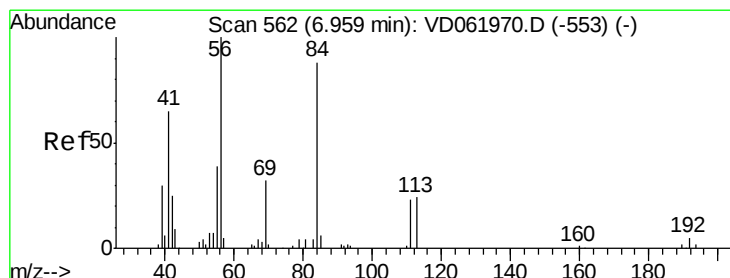
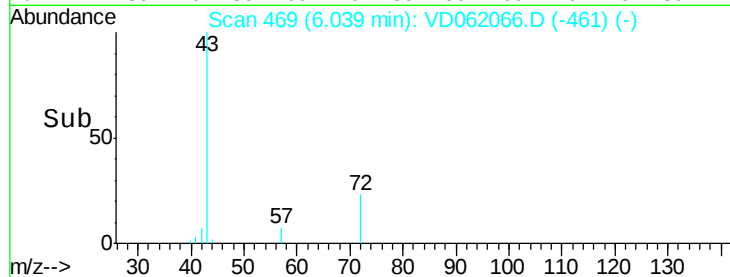
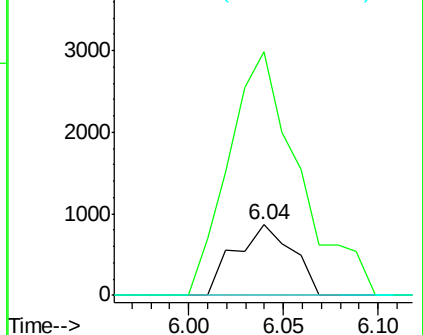
#29
Tetrahydrofuran
Concen: 4.127 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.42 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 1810
Ion Ratio Lower Upper
42 100
72 426.0 37.8 56.6#
71 0.0 36.7 55.1#

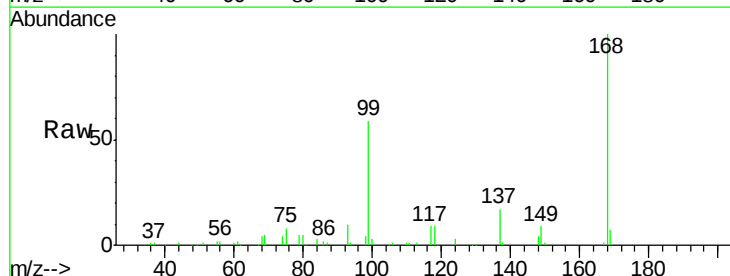


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

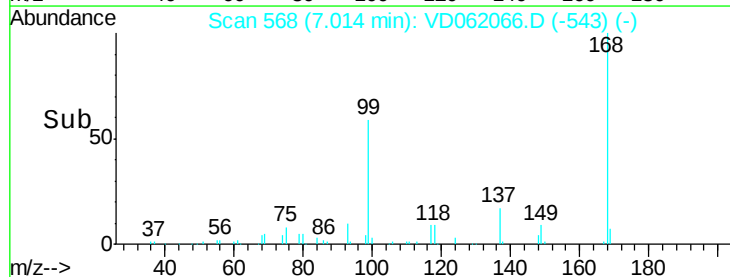
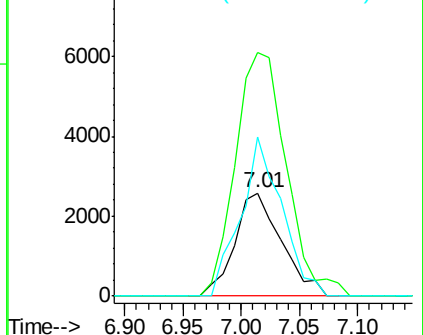


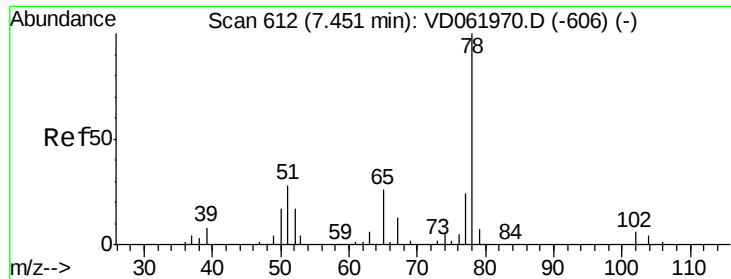
#31
Cyclohexane
Concen: 1.565 ug/l
RT: 7.01 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 56 Resp: 7166
Ion Ratio Lower Upper
56 100
69 236.6 25.8 38.6#
84 155.1 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

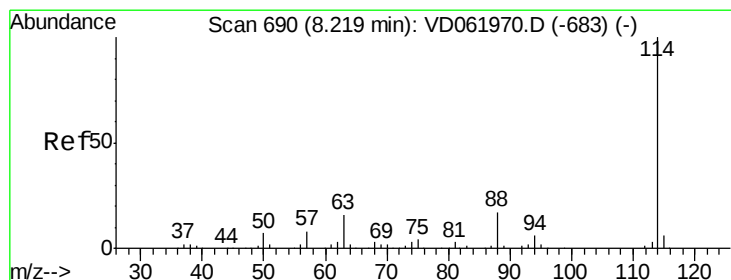
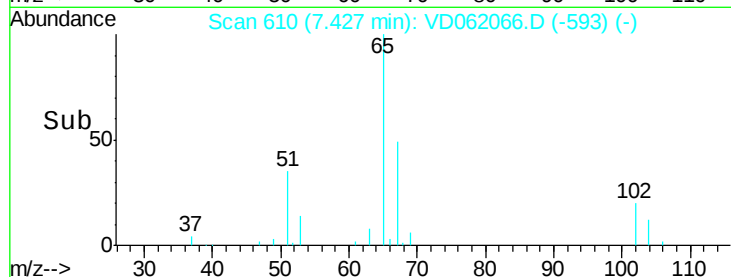
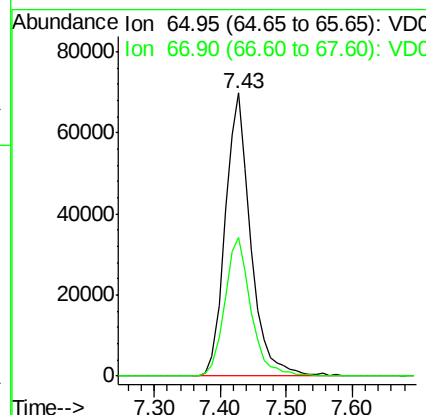
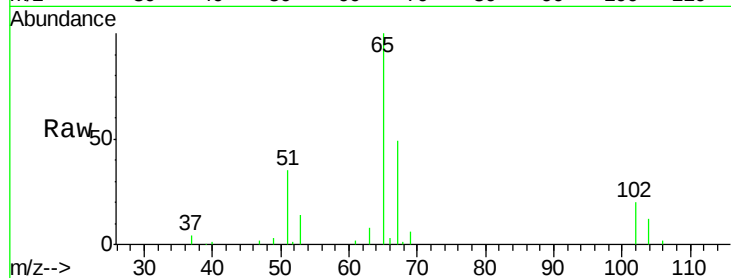




#33
 1,2-Dichloroethane-d4
 Concen: 61.159 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD062066.D
 Acq: 29 Apr 2019 16:51

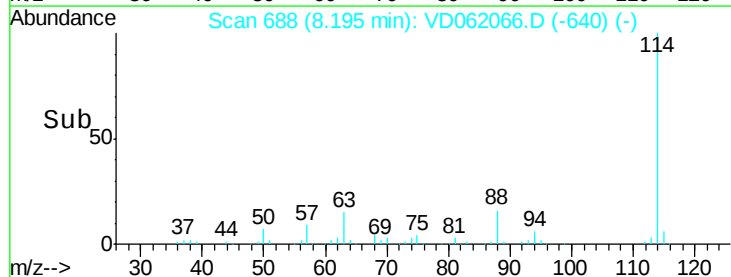
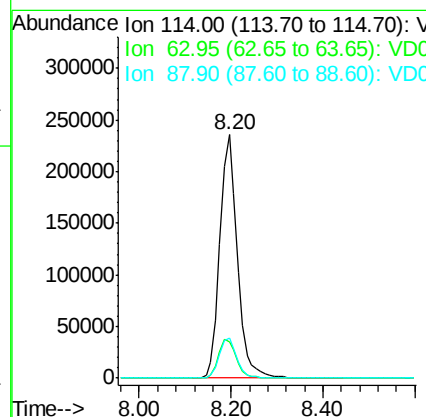
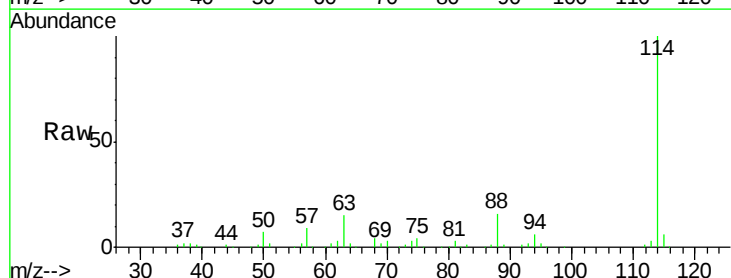
Instrument :
 MSVOA_D
 ClientSampleId :

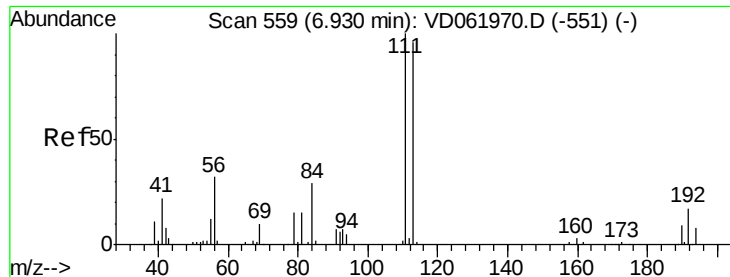
Tot Ion: 65 Resp: 188063
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: VD062066.D
 Acq: 29 Apr 2019 16:51

Tgt Ion: 114 Resp: 617471
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 32.4
 88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 62.533 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062066.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

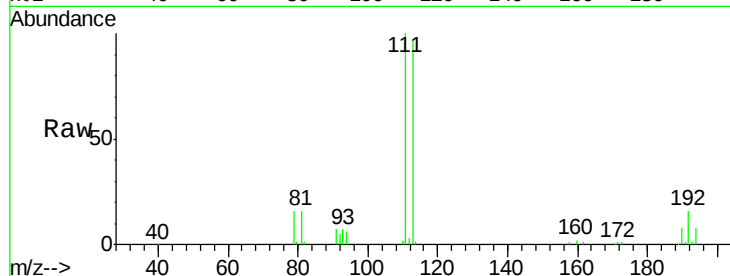
Tot Ion:113 Resp: 267042

Ion Ratio Lower Upper

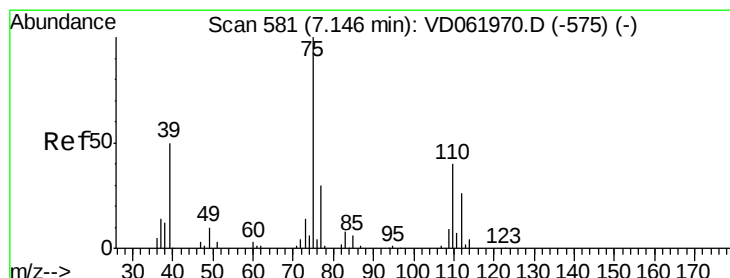
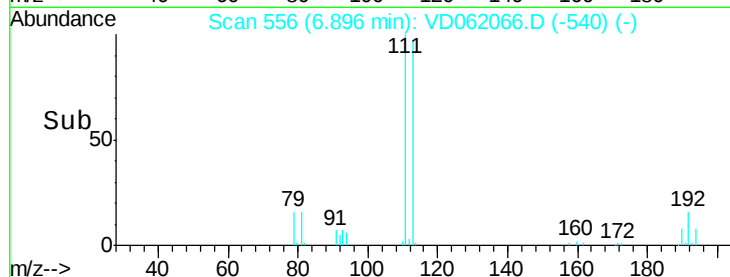
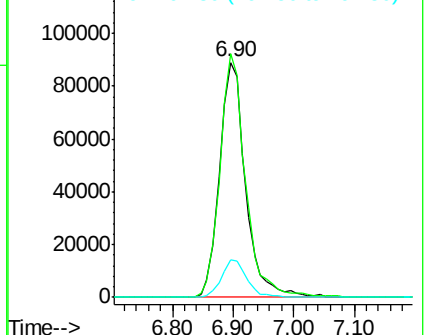
113 100

111 103.6 78.5 117.7

192 16.1 13.0 19.4



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: 6.226 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.14 min

Lab File: VD062066.D

Acq: 29 Apr 2019 16:51

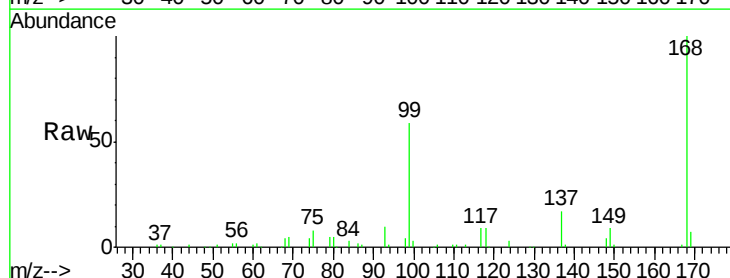
Tgt Ion: 75 Resp: 29950

Ion Ratio Lower Upper

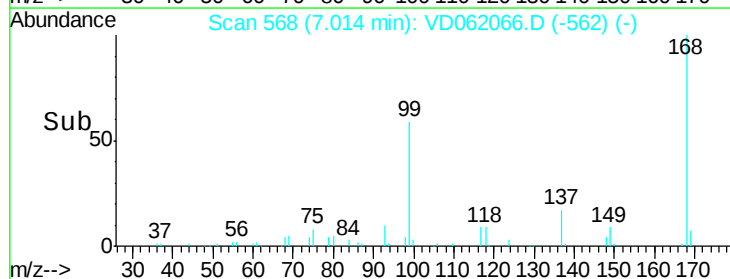
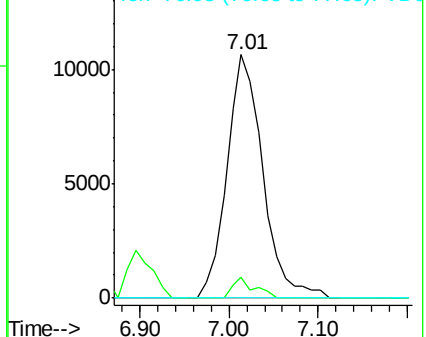
75 100

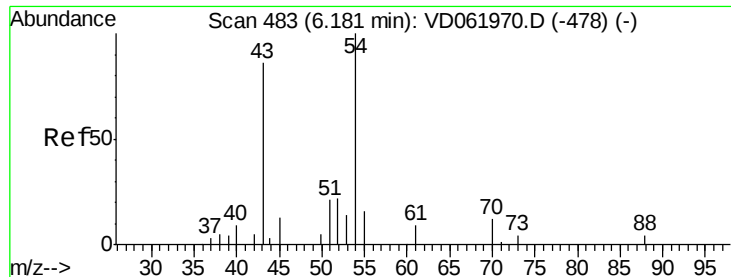
110 8.8 19.1 57.1#

77 0.0 25.6 38.4#



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

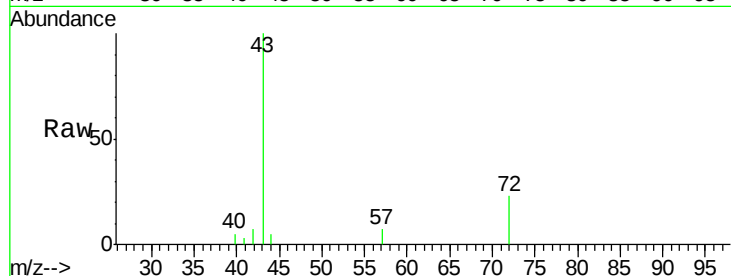




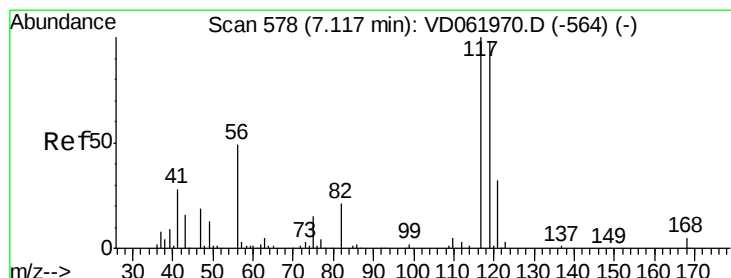
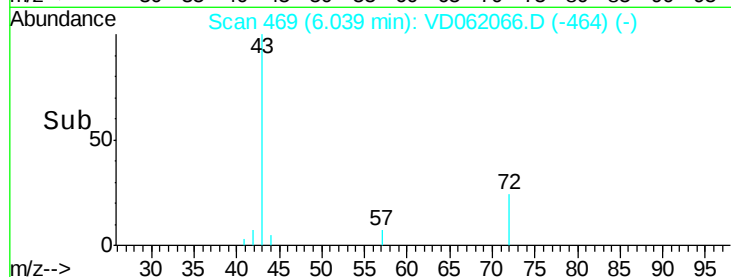
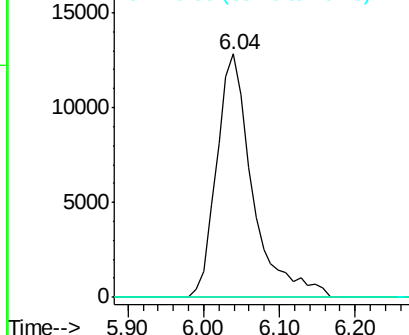
#37
Ethyl Acetate
Concen: 20.660 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.15 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 42353
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#
70 0.0 7.8 11.6#

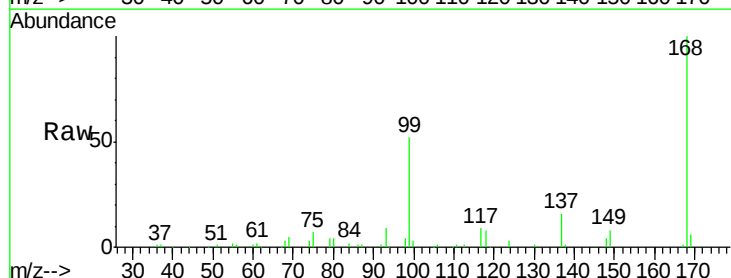


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

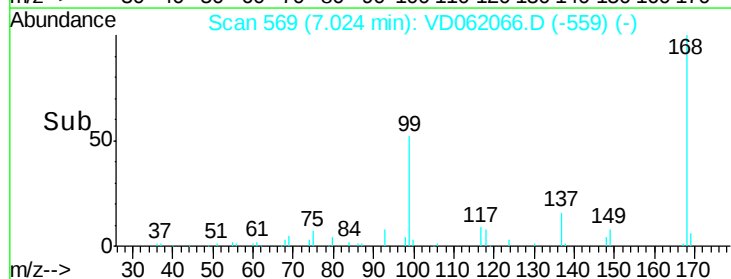
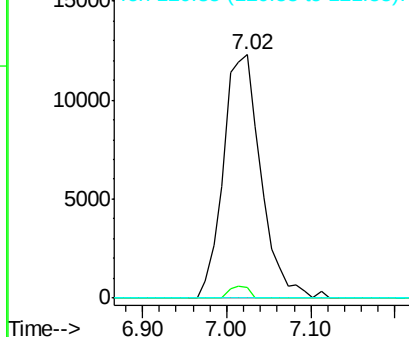


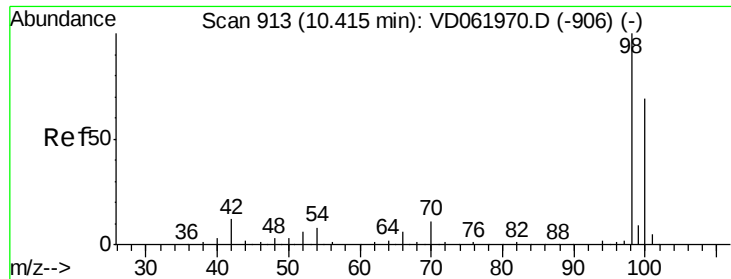
#38
Carbon Tetrachloride
Concen: 6.267 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.10 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 117 Resp: 38204
Ion Ratio Lower Upper
117 100
119 4.2 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

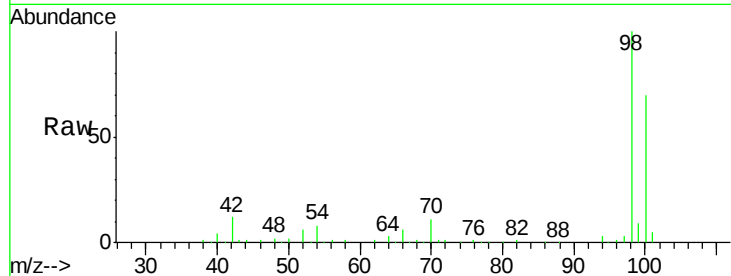




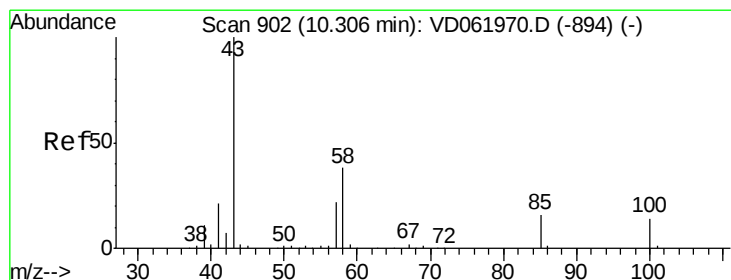
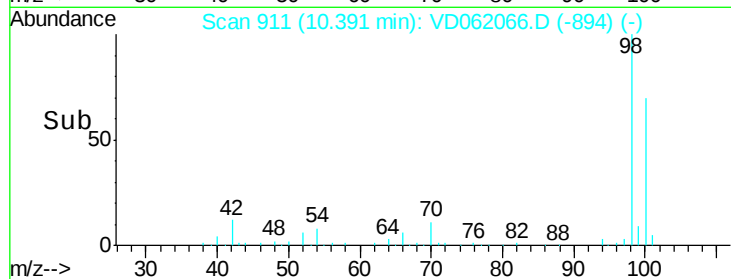
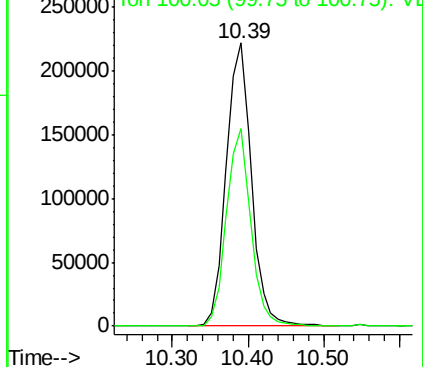
#50
Toluene-d8
Concen: 50.168 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 509782
Ion Ratio Lower Upper
98 100
100 69.8 53.8 80.8

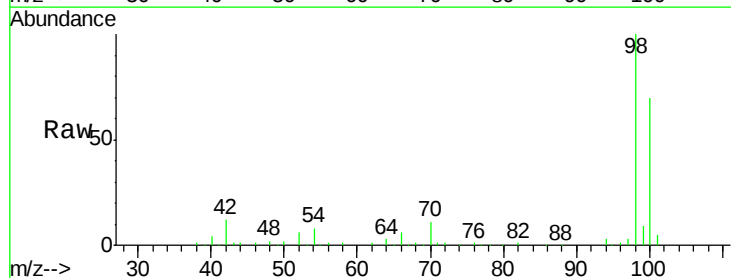


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

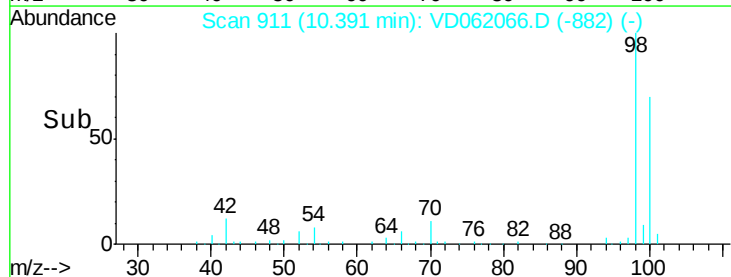
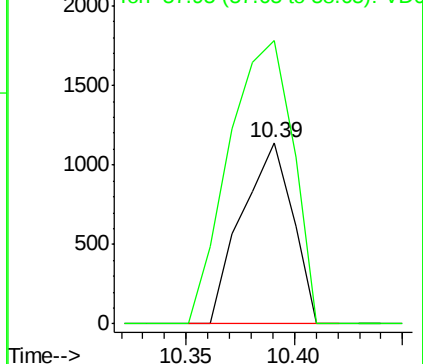


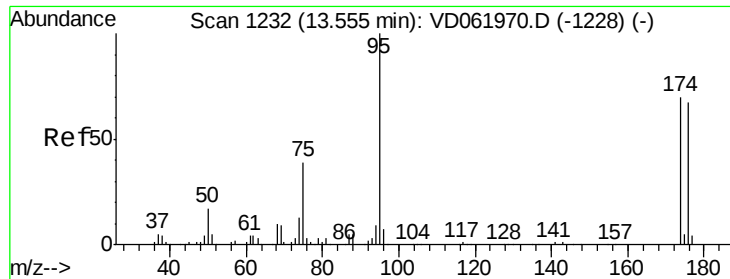
#51
4-Methyl-2-Pentanone
Concen: 1.016 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.09 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
58 156.2 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)

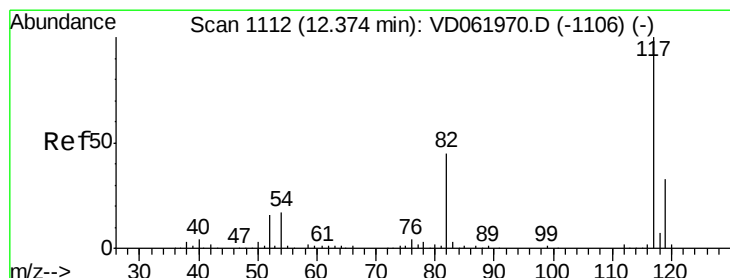
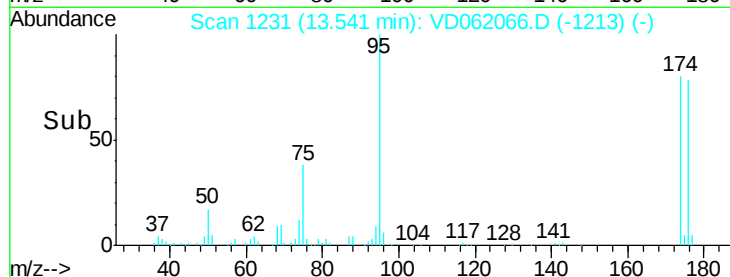
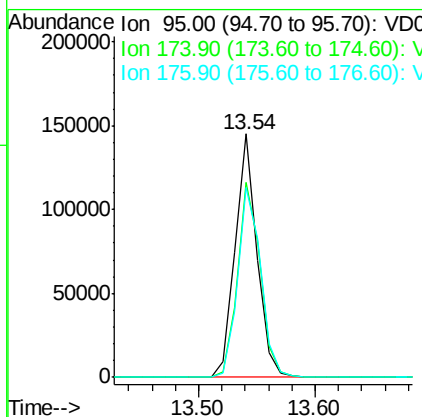
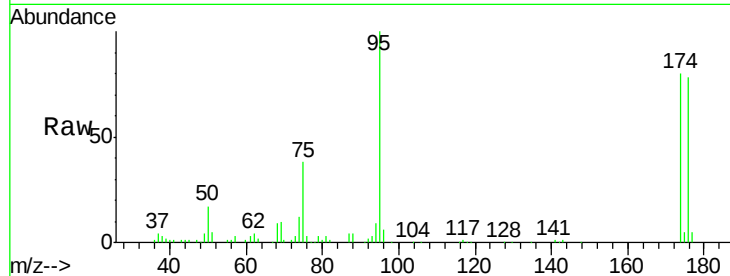




#62
4-Bromofluorobenzene
Concen: 46.198 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

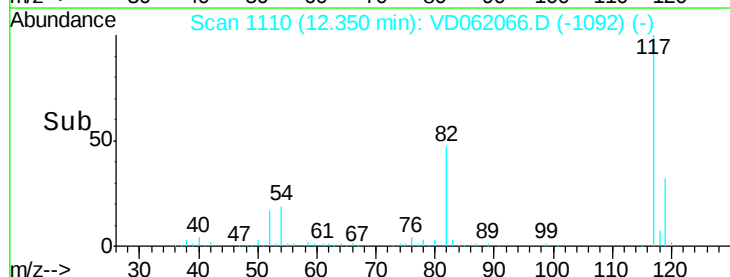
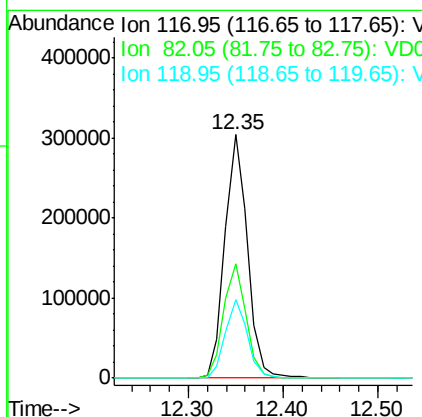
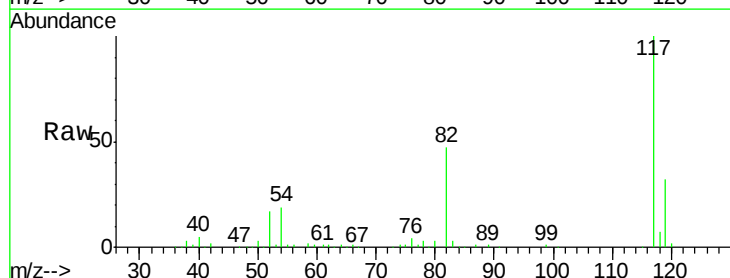
Instrument :
MSVOA_D
ClientSampleId :

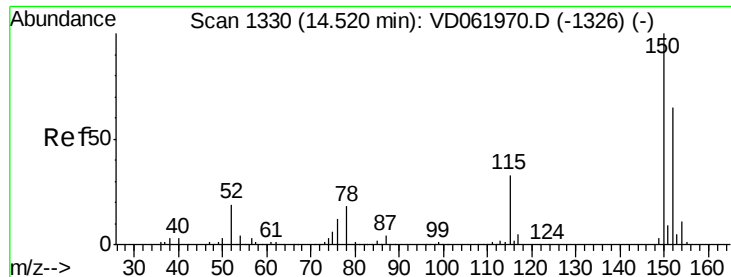
Tot Ion: 95 Resp: 188286
Ion Ratio Lower Upper
95 100
174 80.1 0.0 181.8
176 78.2 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 117 Resp: 502507
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 32.5 26.2 39.4



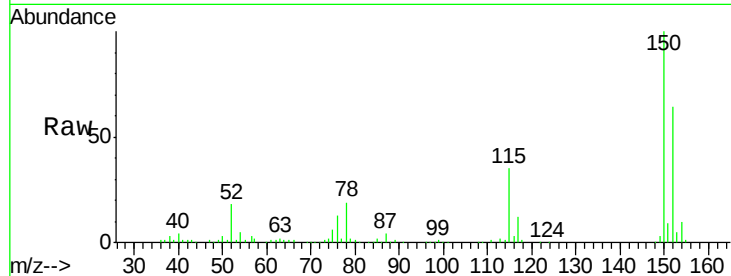


#72

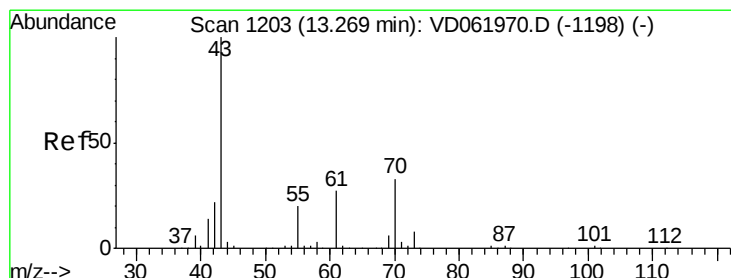
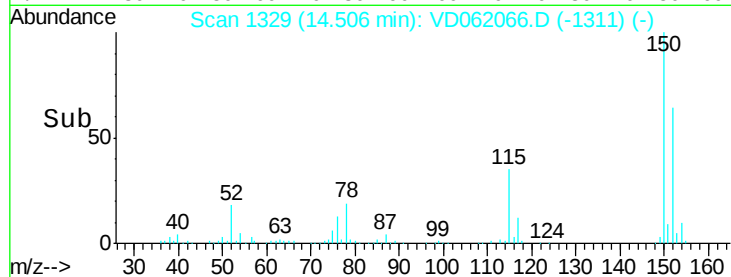
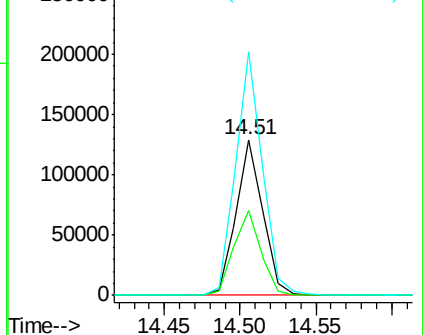
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:152 Resp: 158050
Ion Ratio Lower Upper
152 100
115 54.7 30.9 92.7
150 156.5 0.0 314.8



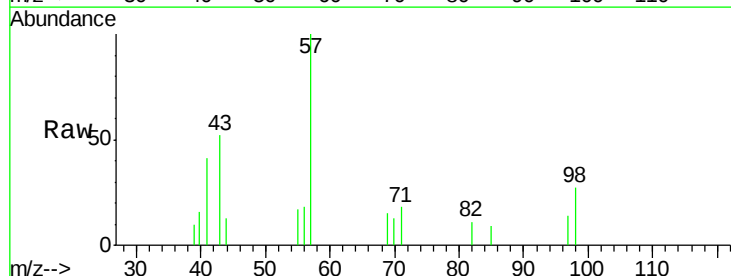
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



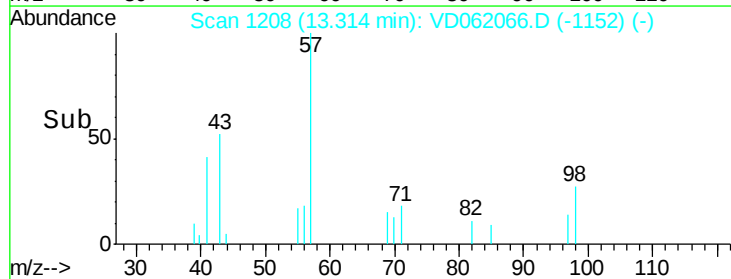
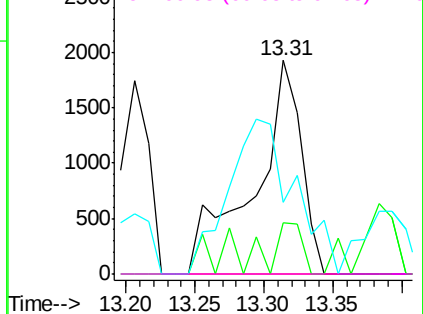
#74

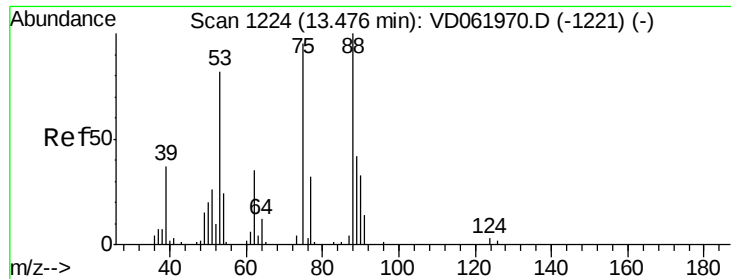
N-ethyl acetate
Concen: 1.699 ug/l
RT: 13.31 min Scan# 1208
Delta R.T. 0.05 min
Lab File: VD062066.D
Acq: 29 Apr 2019 16:51

Tgt Ion: 43 Resp: 4613
Ion Ratio Lower Upper
43 100
70 24.1 24.2 36.4#
55 33.6 16.0 24.0#
61 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 117.251 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062066.D

Acq: 29 Apr 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

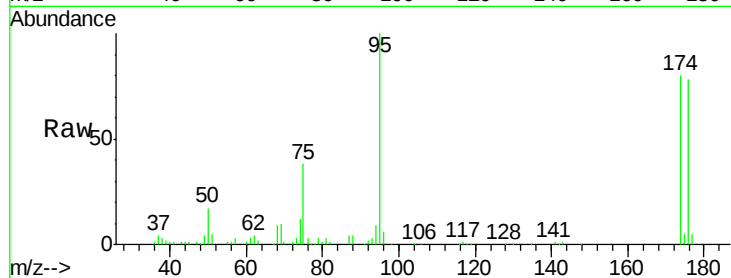
Tot Ion: 75 Resp: 71312

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

