

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062878.D
 Acq On : 25 Jun 2019 14:47
 Operator : VA/AP
 Sample : K3512-01RE
 Misc : 4.90g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-7RE

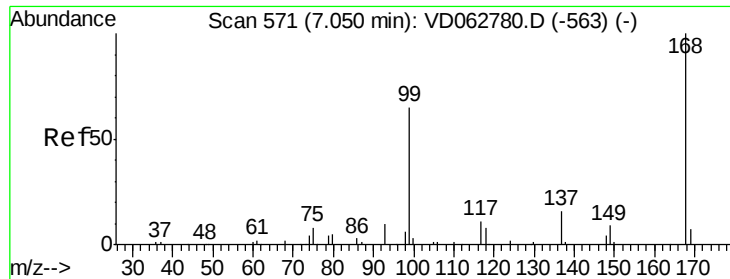
Quant Time: Jun 26 05:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	622037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	817264	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	503874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	144434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	346008	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
35) Dibromofluoromethane	6.93	113	362761	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	10.41	98	690180	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	13.55	95	171688	25.17	ug/l	0.00
Spiked Amount			Recovery	=	50.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	831	2.699	ug/l #	77
13) Acrolein	3.04	56	410	1.304	ug/l #	54
16) Acetone	3.23	43	363847	265.799	ug/l	99
18) Methyl Acetate	3.65	43	4181	2.048	ug/l	98
20) Methylene Chloride	3.83	84	5514	1.069	ug/l #	86
25) 2-Butanone	6.07	43	79299	62.707	ug/l #	90
29) Tetrahydrofuran	6.17	42	653	1.091	ug/l #	33
31) Cyclohexane	7.04	56	15000	2.362	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	45676	5.904	ug/l #	53
37) Ethyl Acetate	6.07	43	75975	22.778	ug/l #	69
38) Carbon Tetrachloride	7.05	117	62206	5.346	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	4908	1.707	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	80381	183.940	ug/l #	2

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062878.D

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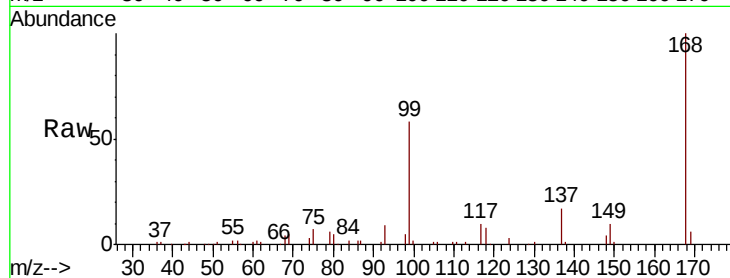
SAMPLE-7RE

Tot Ion:168 Resp: 622037

Ion Ratio Lower Upper

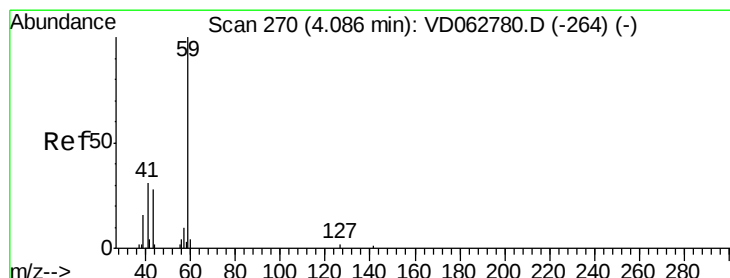
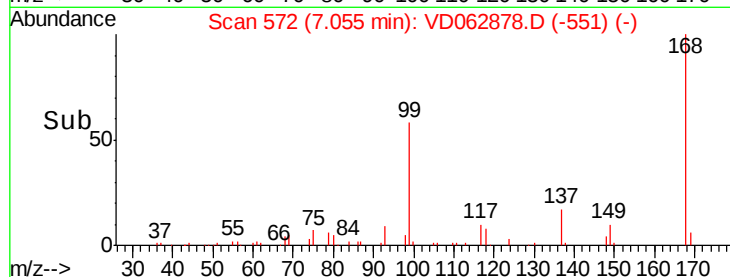
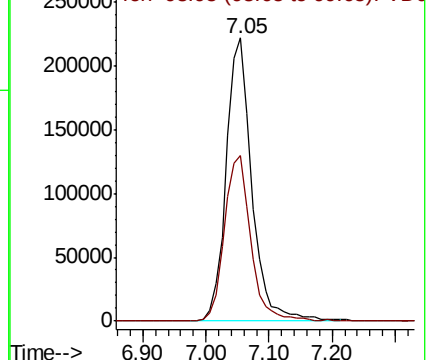
168 100

99 58.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.699 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD062878.D

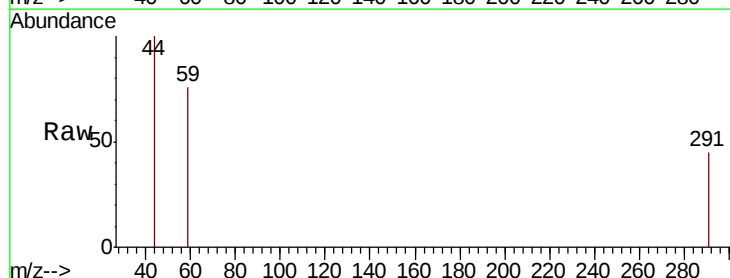
Acq: 25 Jun 2019 14:47

Tgt Ion: 59 Resp: 831

Ion Ratio Lower Upper

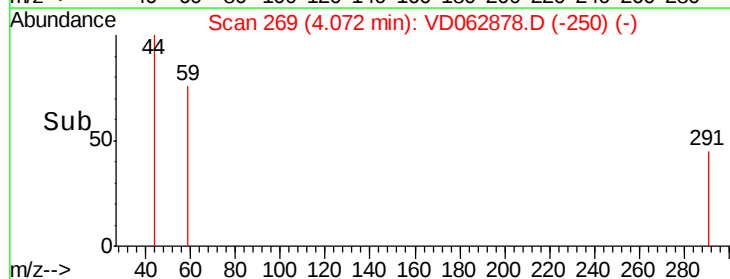
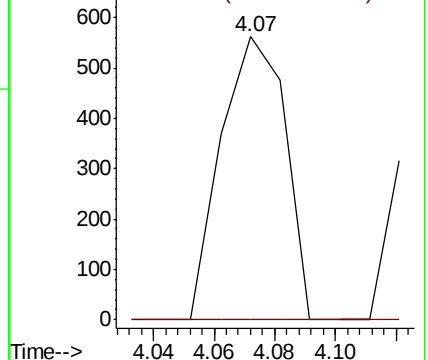
59 100

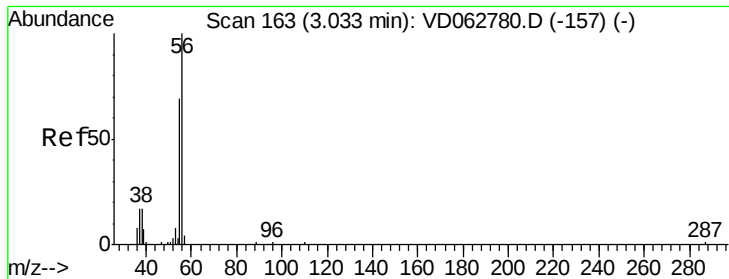
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.304 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

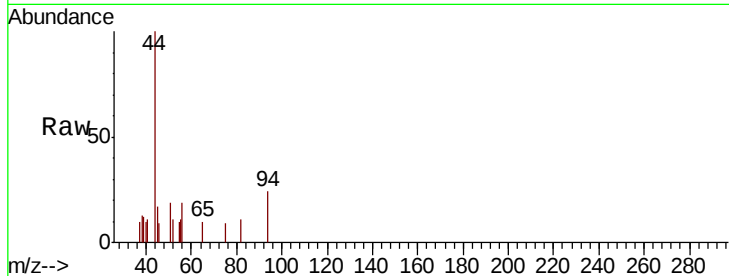
SAMPLE-7RE

Tot Ion: 56 Resp: 410

Ion Ratio Lower Upper

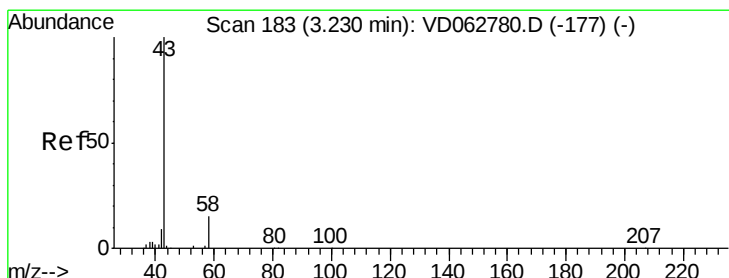
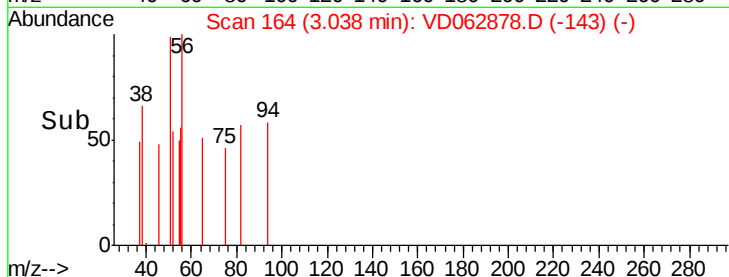
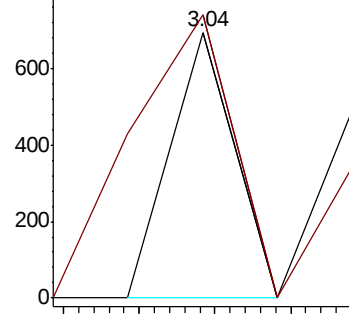
56 100

55 106.3 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 265.799 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062878.D

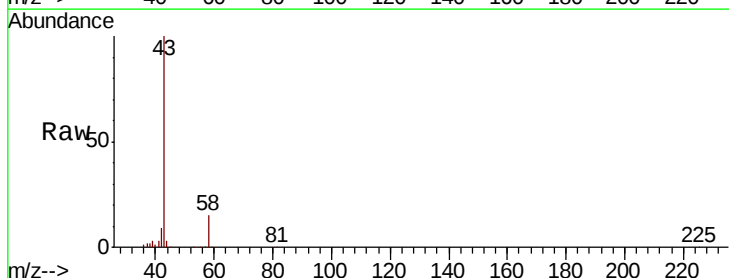
Acq: 25 Jun 2019 14:47

Tgt Ion: 43 Resp: 363847

Ion Ratio Lower Upper

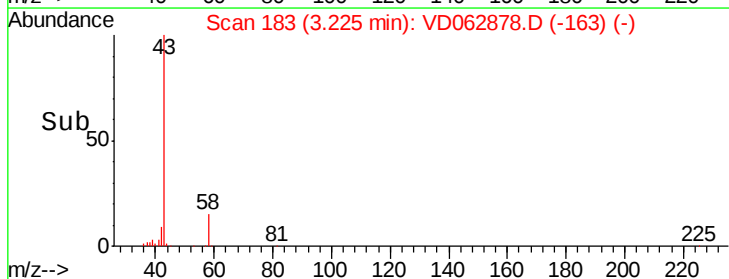
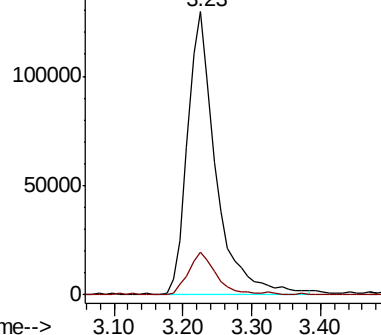
43 100

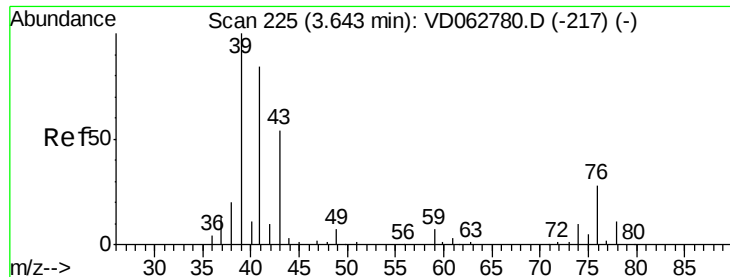
58 15.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

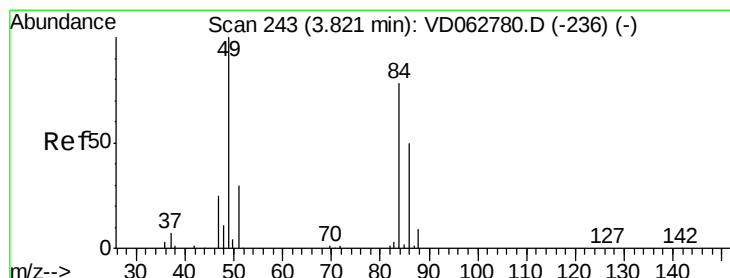
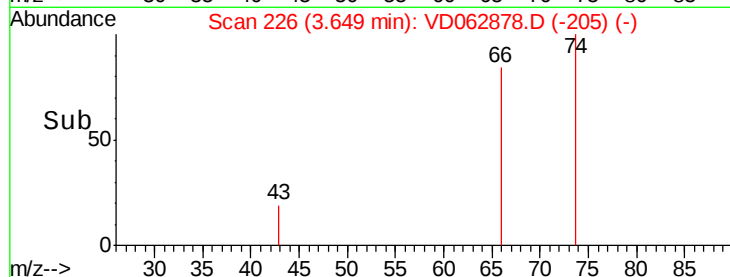
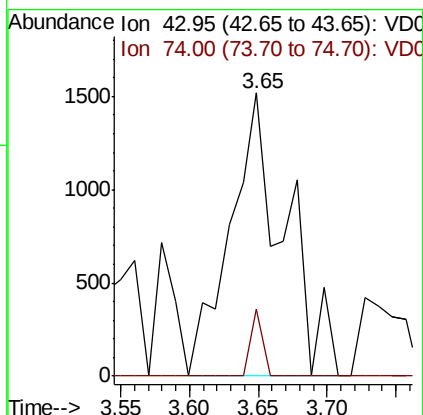
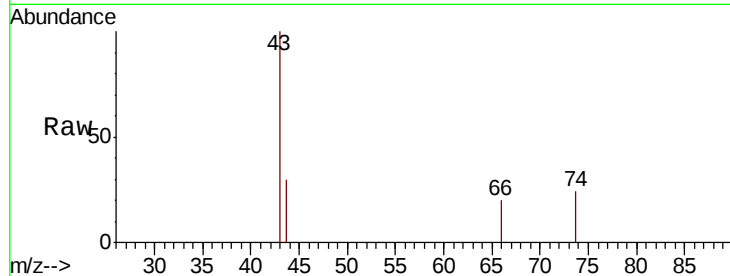




#18
Methyl Acetate
Concen: 2.048 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062878.D
Acq: 25 Jun 2019 14:47

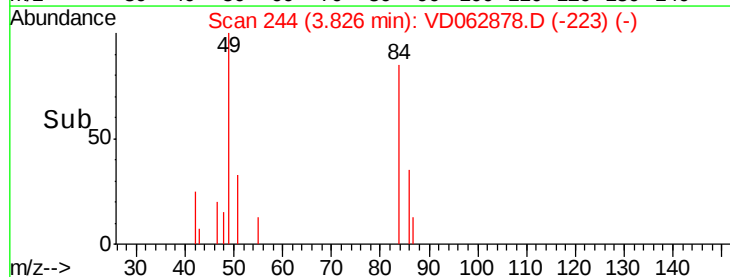
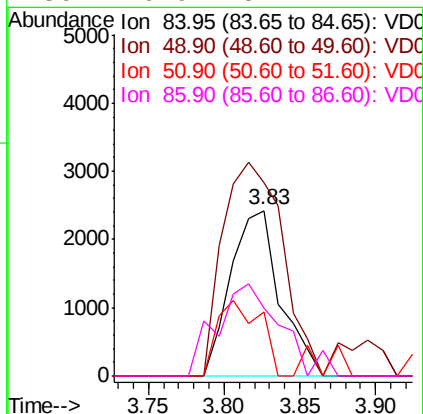
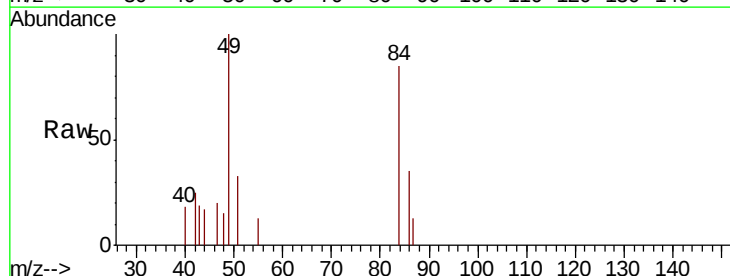
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7RE

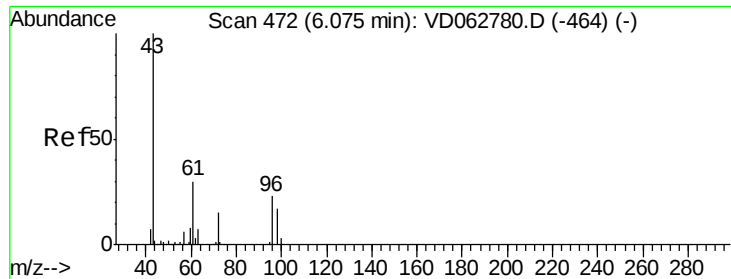
Tot Ion: 43 Resp: 4181
Ion Ratio Lower Upper
43 100
74 18.3 15.2 22.8



#20
Methylene Chloride
Concen: 1.069 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062878.D
Acq: 25 Jun 2019 14:47

Tgt Ion: 84 Resp: 5514
Ion Ratio Lower Upper
84 100
49 117.3 102.9 154.3
51 38.6 31.2 46.8
86 40.9 51.4 77.2#





#25

2-Butanone

Concen: 62.707 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

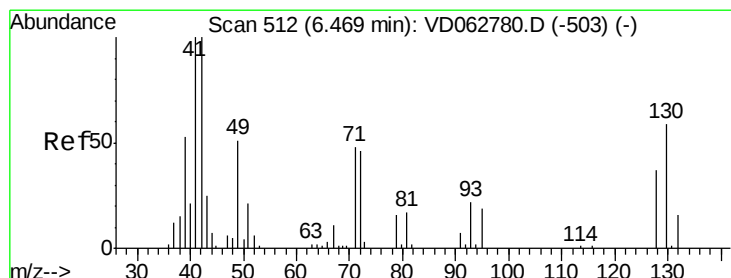
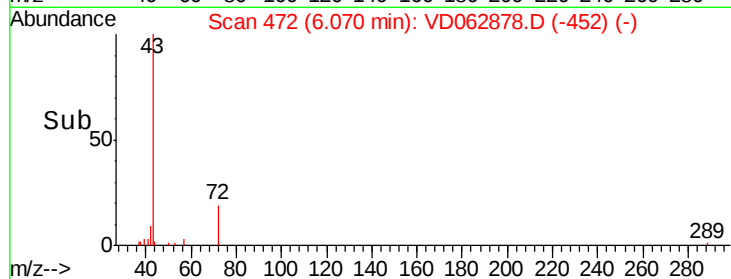
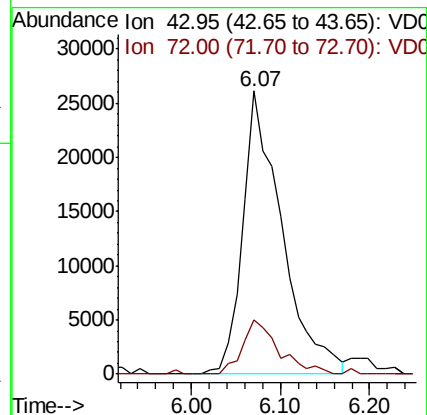
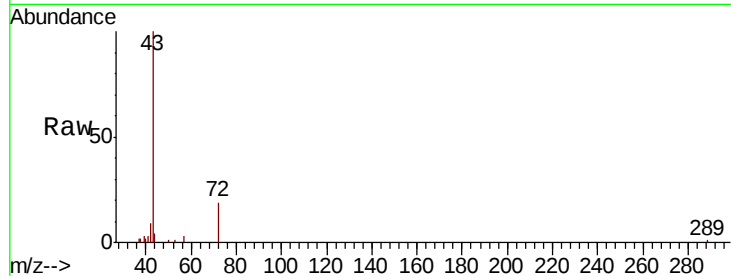
SAMPLE-7RE

Tot Ion: 43 Resp: 79299

Ion Ratio Lower Upper

43 100

72 19.2 11.9 17.9#



#29

Tetrahydrofuran

Concen: 1.091 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.30 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

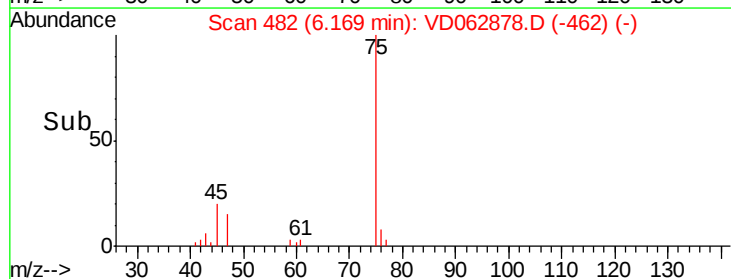
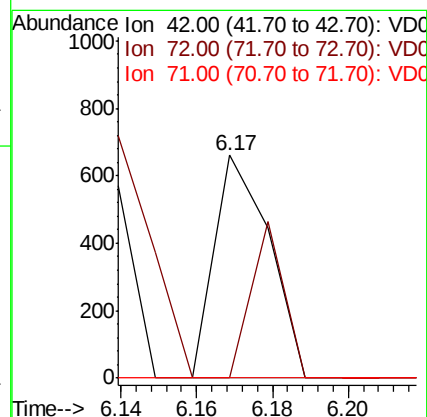
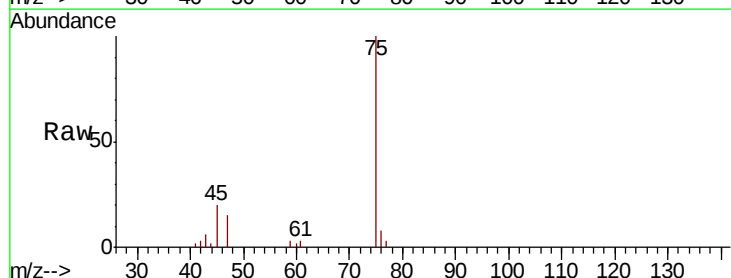
Tgt Ion: 42 Resp: 653

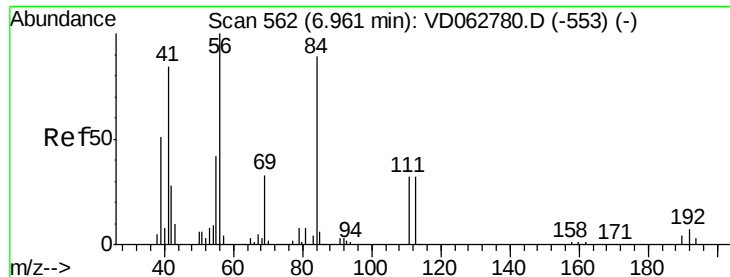
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

71 0.0 33.3 49.9#

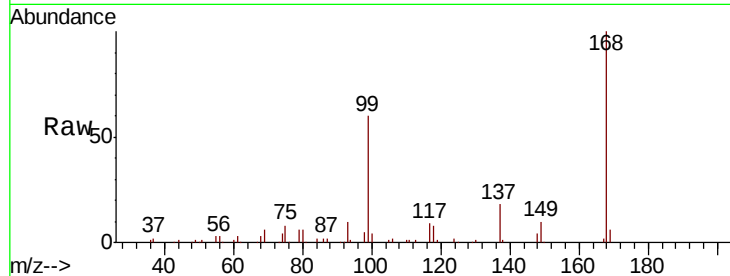




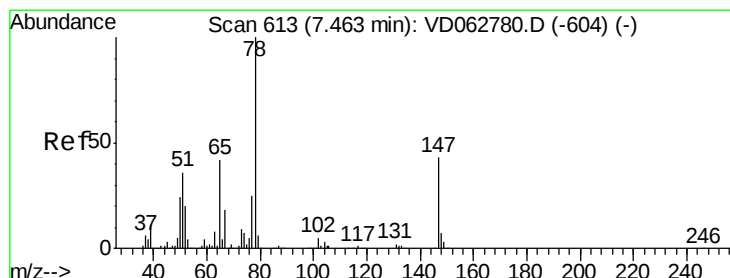
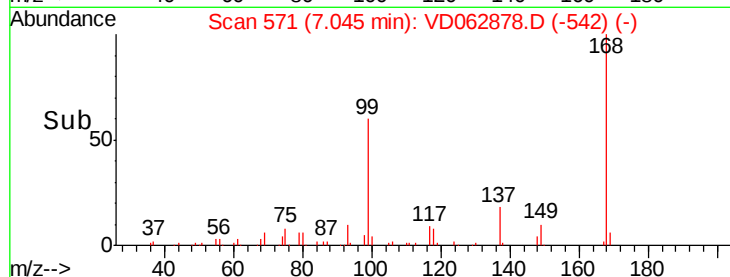
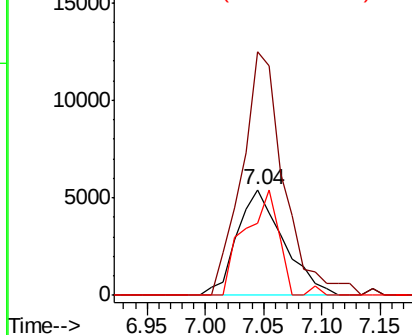
#31
Cyclohexane
Concen: 2.362 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062878.D
Acq: 25 Jun 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7RE

Tot Ion: 56 Resp: 15000
Ion Ratio Lower Upper
56 100
69 230.2 26.6 39.8#
84 68.1 75.5 113.3#

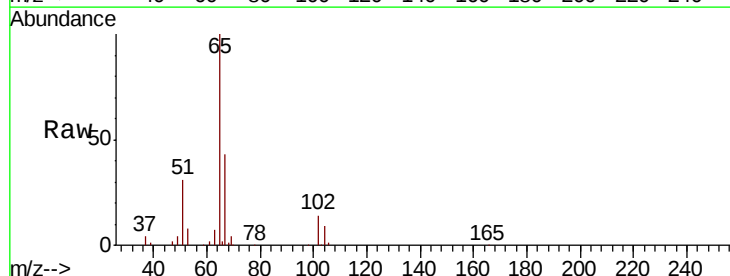


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

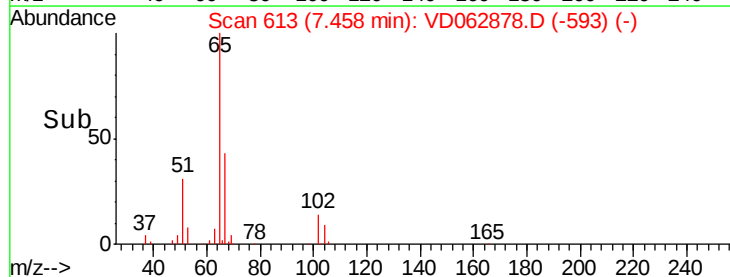
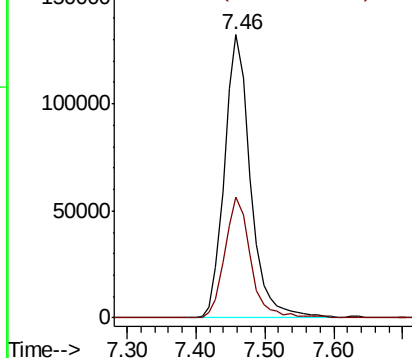


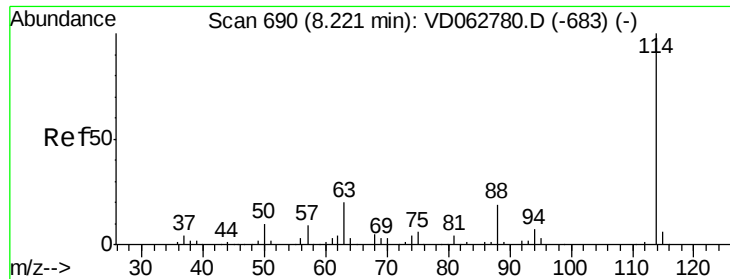
#33
1,2-Dichloroethane-d4
Concen: 51.174 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062878.D
Acq: 25 Jun 2019 14:47

Tgt Ion: 65 Resp: 346008
Ion Ratio Lower Upper
65 100
67 42.7 0.0 87.4



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

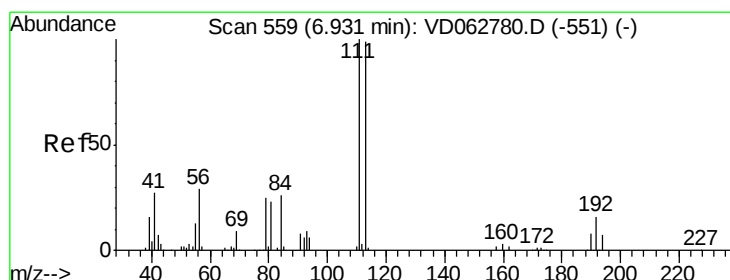
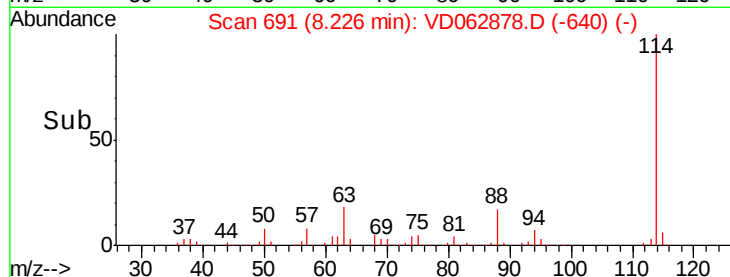
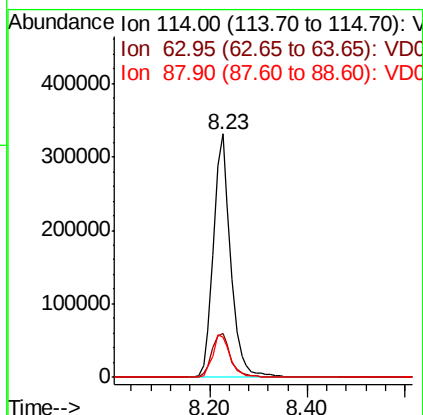
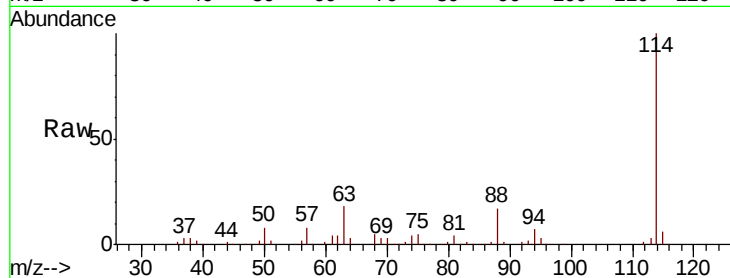




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062878.D
 Acq: 25 Jun 2019 14:47

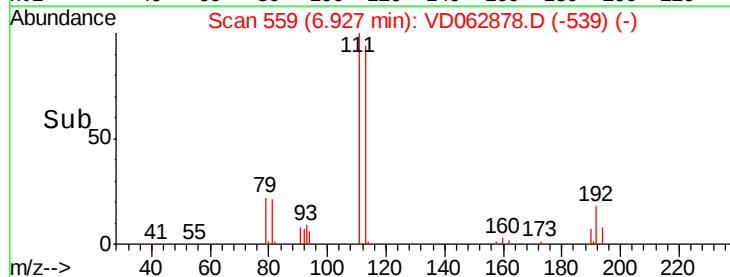
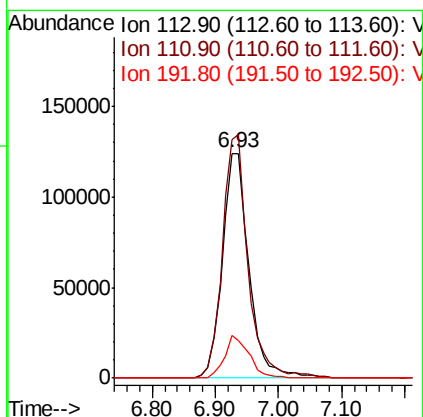
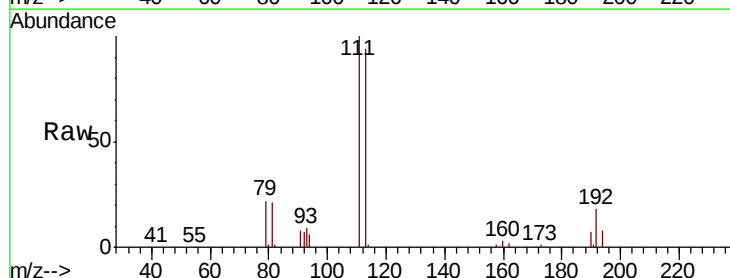
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-7RE

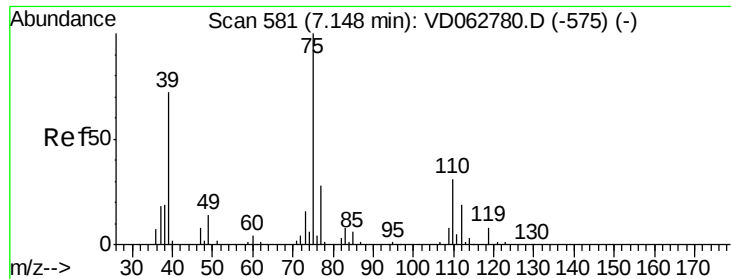
Tot Ion:114 Resp: 817264
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 40.0
 88 16.6 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 52.642 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062878.D
 Acq: 25 Jun 2019 14:47

Tgt Ion:113 Resp: 362761
 Ion Ratio Lower Upper
 113 100
 111 106.1 81.2 121.8
 192 18.9 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.904 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-7RE

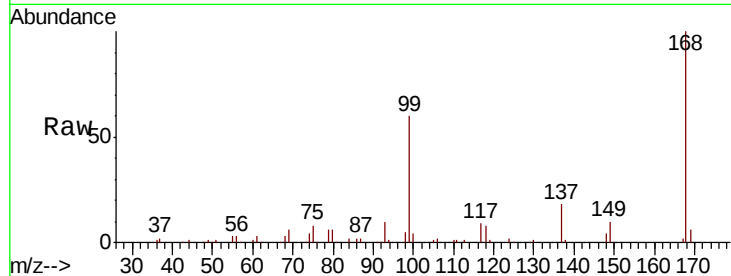
Tot Ion: 75 Resp: 45676

Ion Ratio Lower Upper

75 100

110 7.9 15.0 45.1#

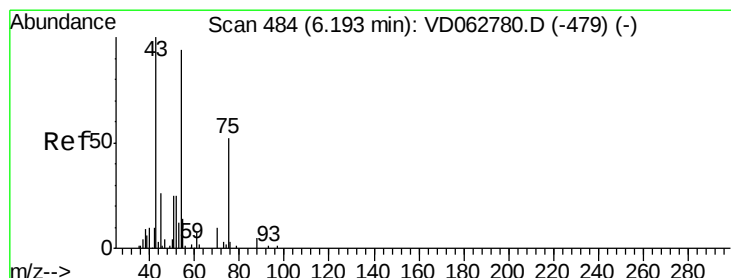
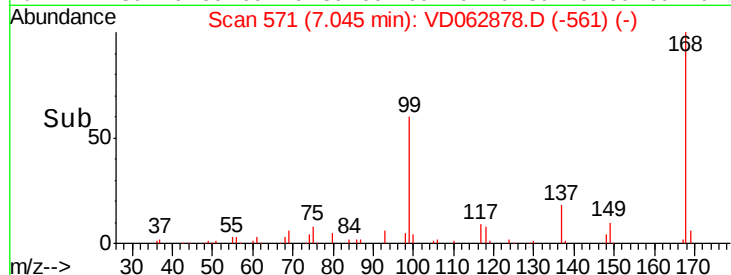
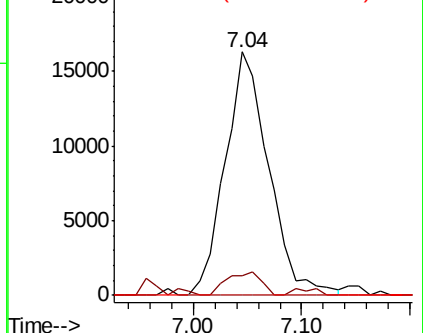
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 22.778 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.12 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

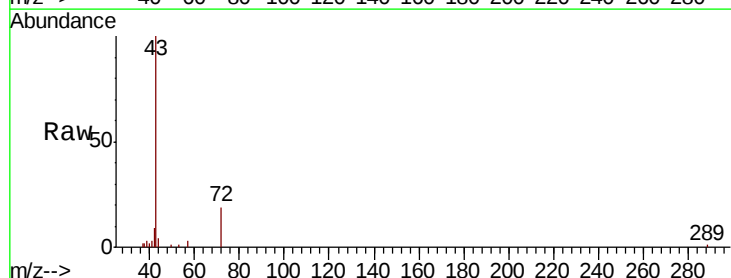
Tgt Ion: 43 Resp: 75975

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

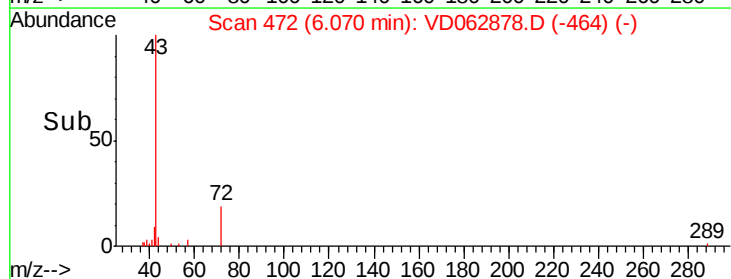
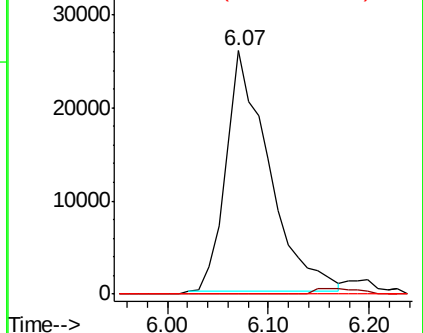
70 0.0 6.4 9.6#

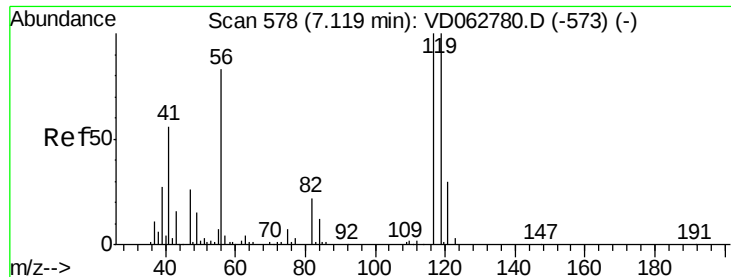


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.346 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-7RE

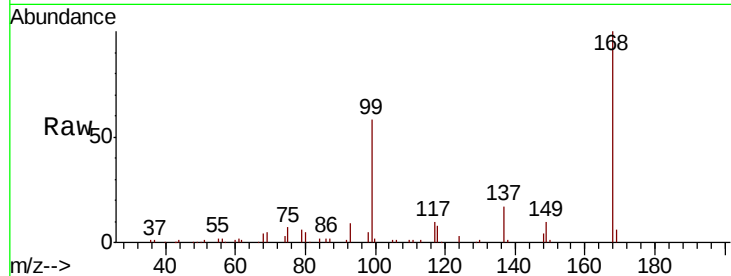
Tot Ion:117 Resp: 62206

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.2#

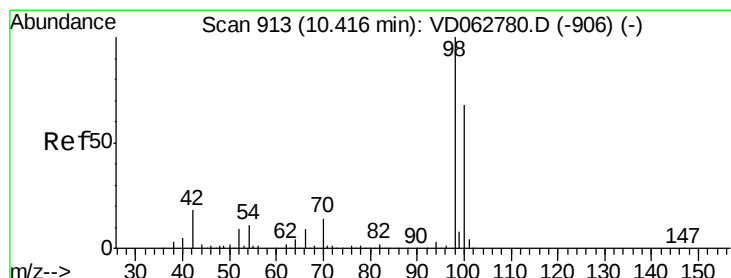
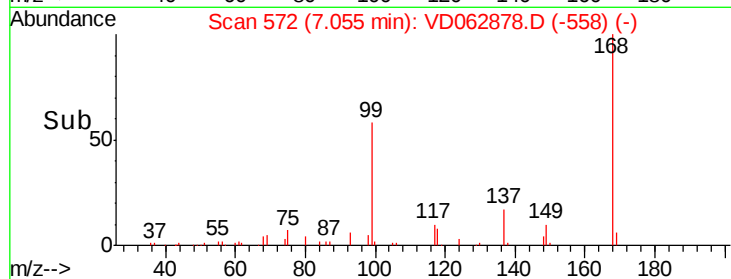
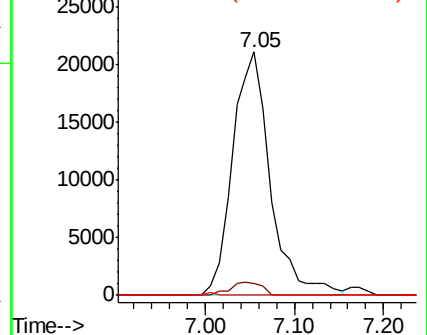
121 0.0 22.3 33.5#



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: 46.017 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062878.D

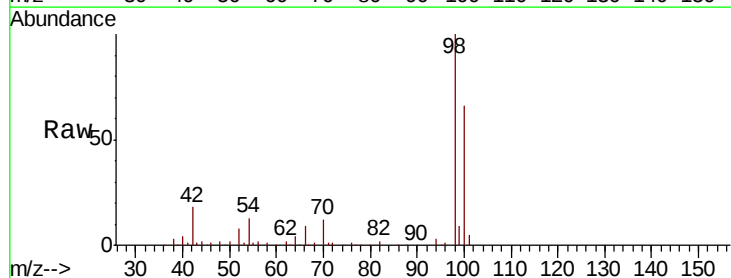
Acq: 25 Jun 2019 14:47

Tgt Ion: 98 Resp: 690180

Ion Ratio Lower Upper

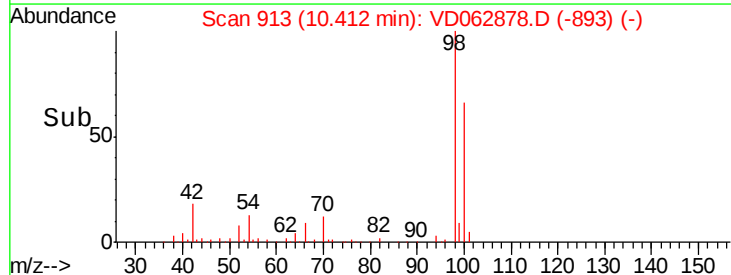
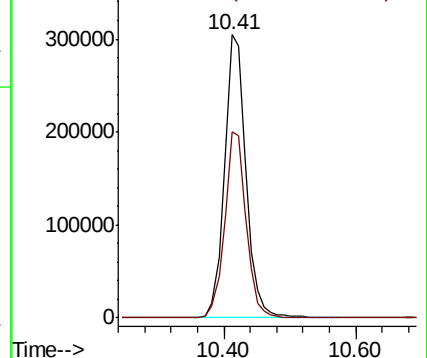
98 100

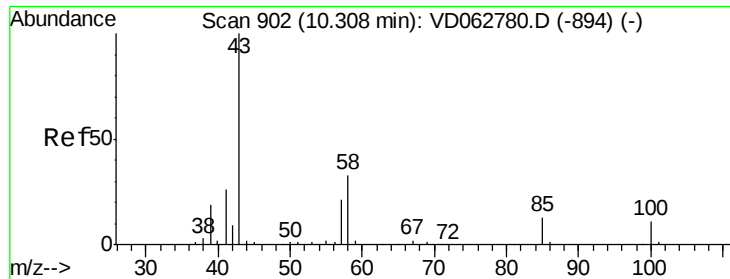
100 65.7 54.7 82.1



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: 1.707 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.10 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

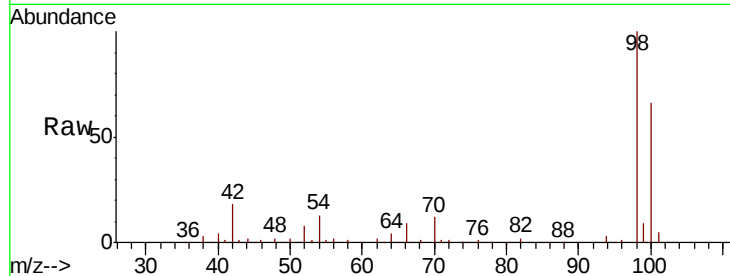
SAMPLE-7RE

Tot Ion: 43 Resp: 4908

Ion Ratio Lower Upper

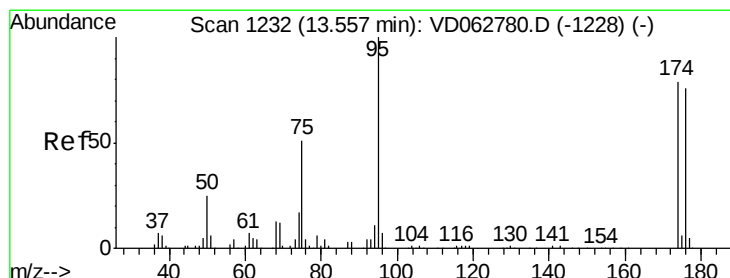
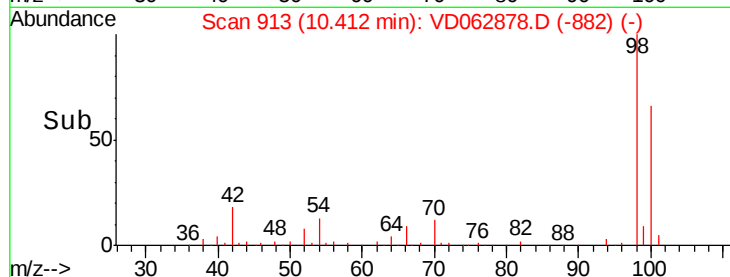
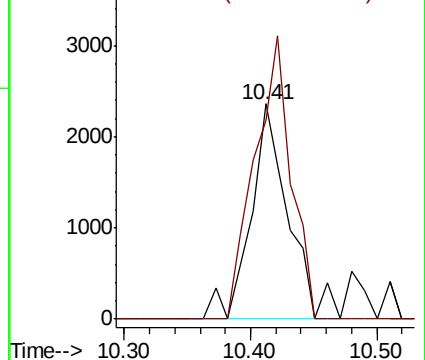
43 100

58 92.4 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 25.175 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

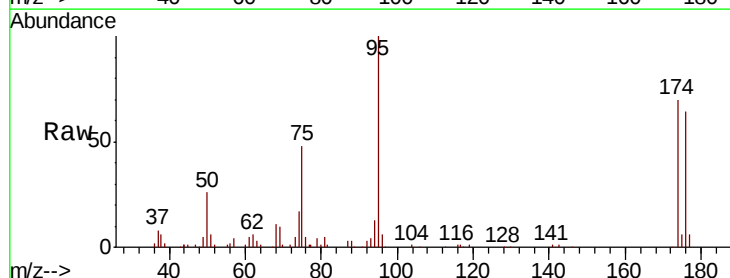
Tgt Ion: 95 Resp: 171688

Ion Ratio Lower Upper

95 100

174 70.0 0.0 158.0

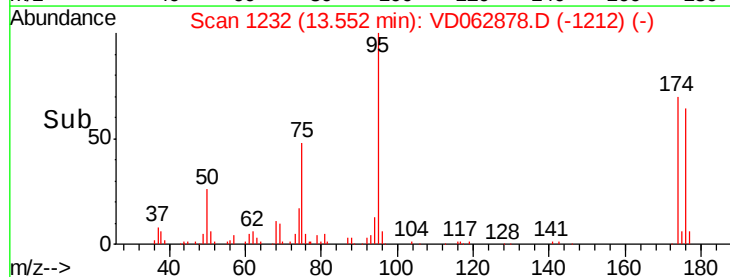
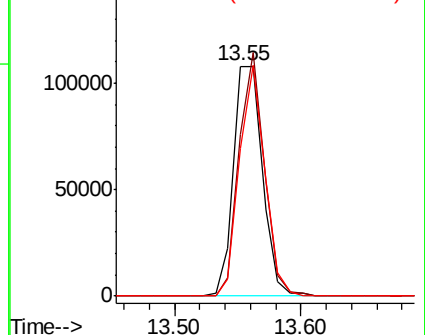
176 64.3 0.0 151.6

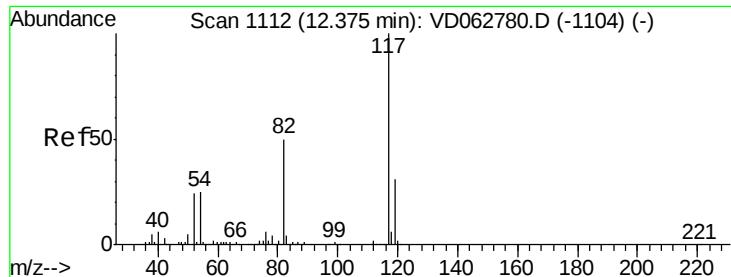


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

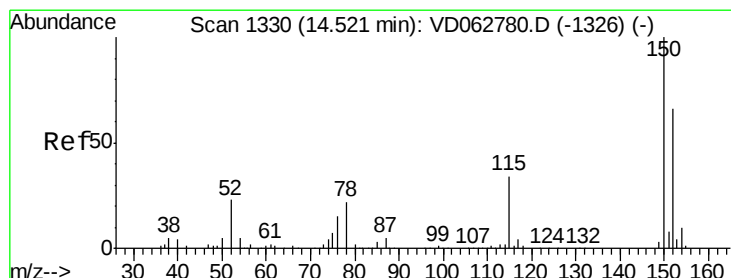
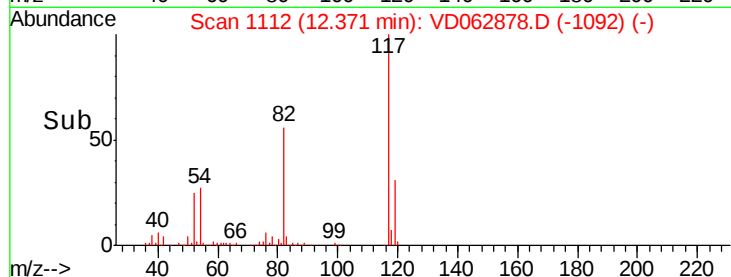
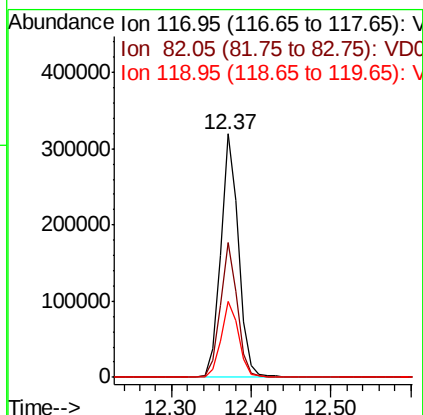
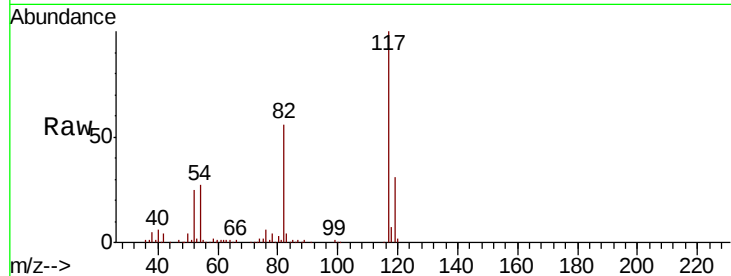




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062878.D
Acq: 25 Jun 2019 14:47

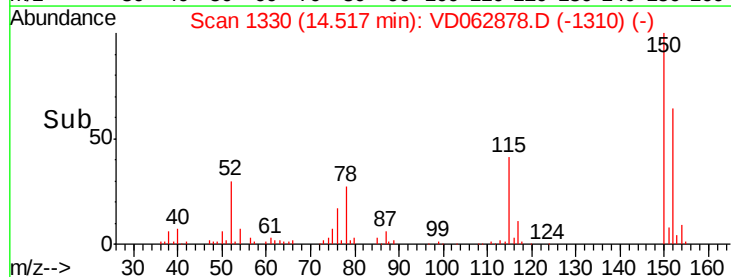
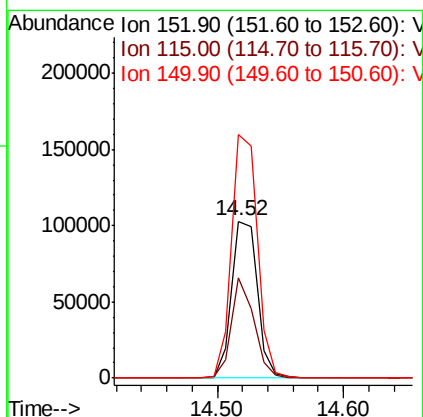
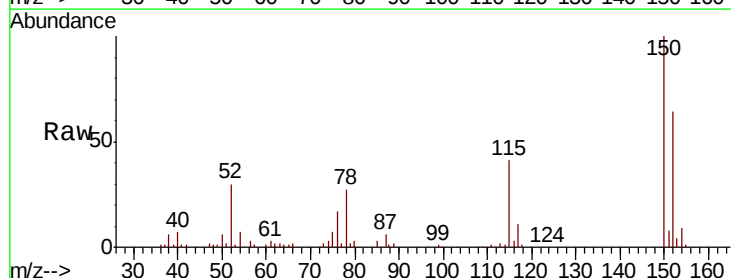
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7RE

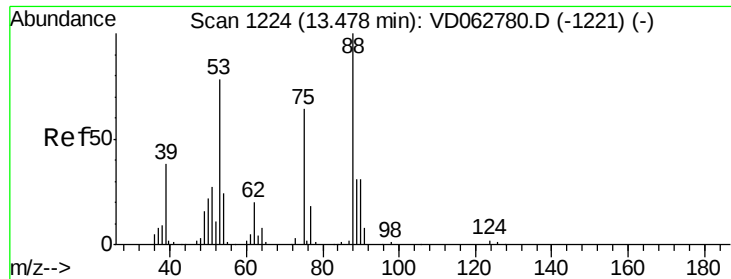
Tot Ion:117 Resp: 503874
Ion Ratio Lower Upper
117 100
82 55.5 40.4 60.6
119 31.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062878.D
Acq: 25 Jun 2019 14:47

Tgt Ion:152 Resp: 144434
Ion Ratio Lower Upper
152 100
115 63.7 29.2 87.6
150 155.1 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 183.940 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062878.D

Acq: 25 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-7RE

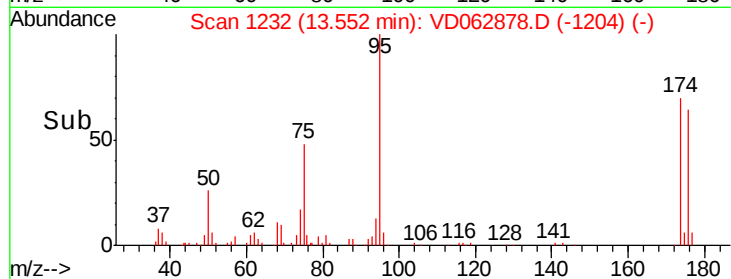
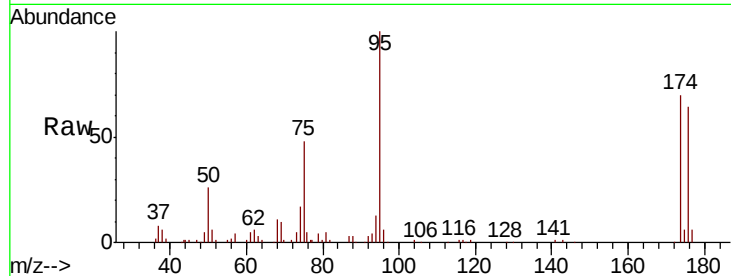
Tot Ion: 75 Resp: 80381

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

