

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062879.D
 Acq On : 25 Jun 2019 15:14
 Operator : VA/AP
 Sample : k3512-05RE
 Misc : 5.40g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-8RE

Quant Time: Jun 26 05:34:49 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	412489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	599860	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	480032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	208708	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	350997	78.28	ug/l	0.00
Spiked Amount			Recovery	=	156.56%	
35) Dibromofluoromethane	6.93	113	312845	61.85	ug/l	0.00
Spiked Amount			Recovery	=	123.70%	
50) Toluene-d8	10.42	98	626981	56.95	ug/l	0.00
Spiked Amount			Recovery	=	113.90%	
62) 4-Bromofluorobenzene	13.56	95	257958	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

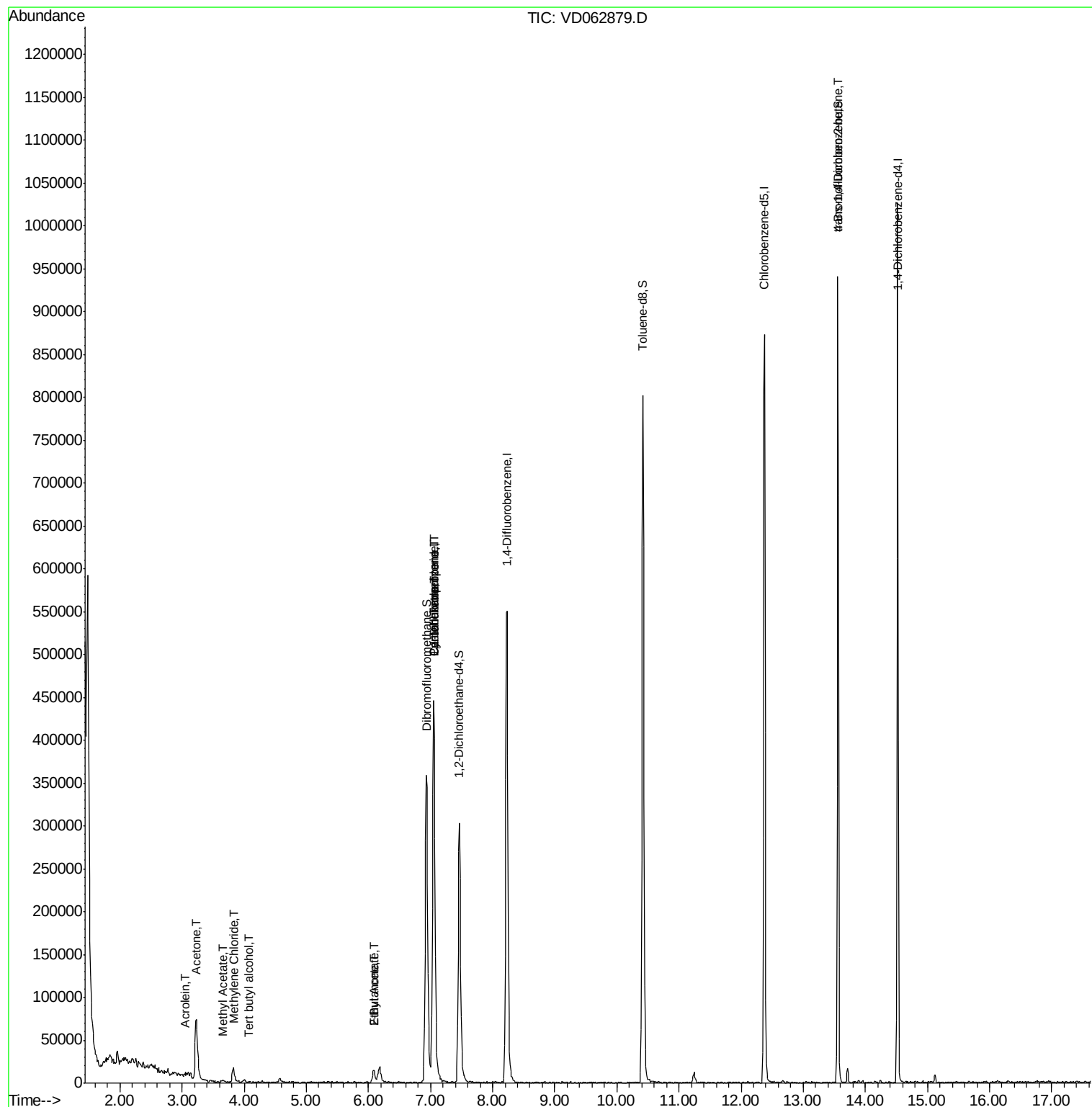
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	227	1.112	ug/l #	77
13) Acrolein	3.05	56	637	3.056	ug/l	94
16) Acetone	3.22	43	155437	168.674	ug/l	97
18) Methyl Acetate	3.64	43	3095	2.287	ug/l #	58
20) Methylene Chloride	3.83	84	10778	3.152	ug/l #	85
25) 2-Butanone	6.09	43	33800	40.306	ug/l #	73
31) Cyclohexane	7.04	56	9797	2.327	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	33047	5.820	ug/l #	51
37) Ethyl Acetate	6.09	43	33800	13.363	ug/l #	69
38) Carbon Tetrachloride	7.05	117	40102	4.696	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.56	75	118046	186.941	ug/l #	2

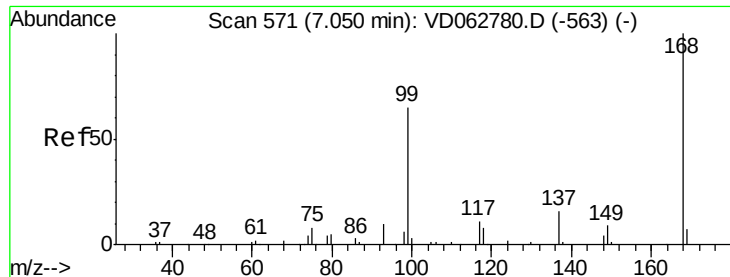
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

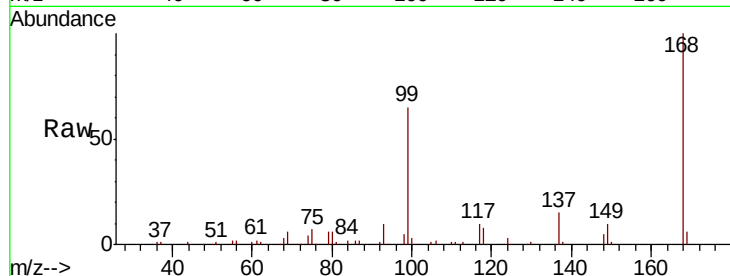
SAMPLE-8RE

Tot Ion:168 Resp: 412489

Ion Ratio Lower Upper

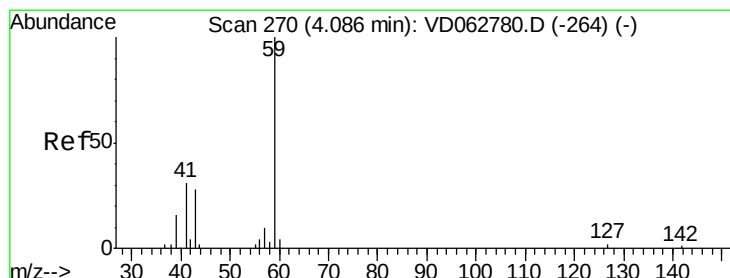
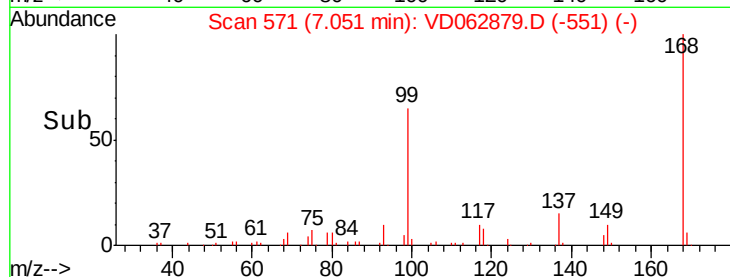
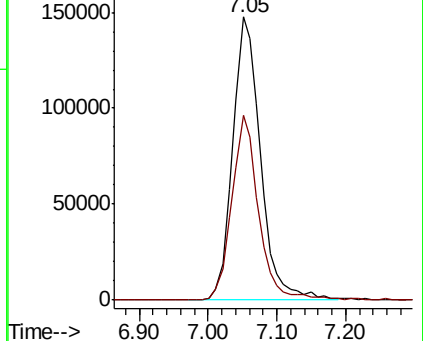
168 100

99 65.2 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: 1.112 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD062879.D

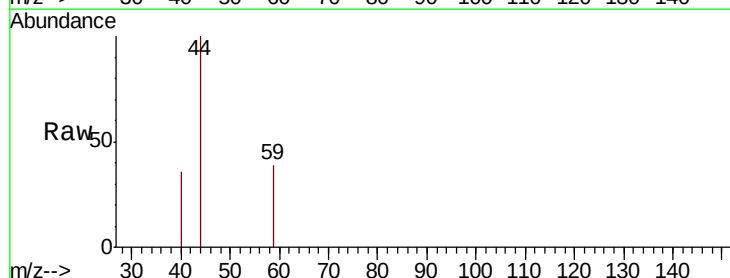
Acq: 25 Jun 2019 15:14

Tgt Ion: 59 Resp: 227

Ion Ratio Lower Upper

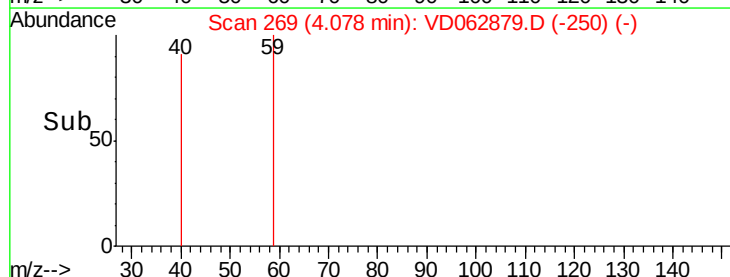
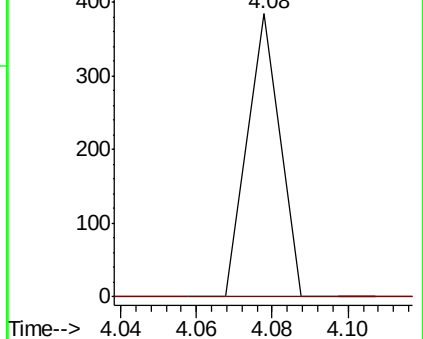
59 100

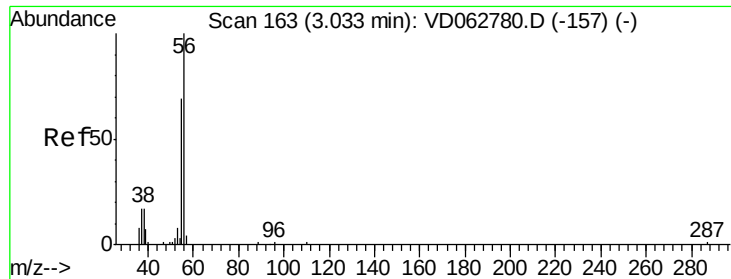
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 3.056 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

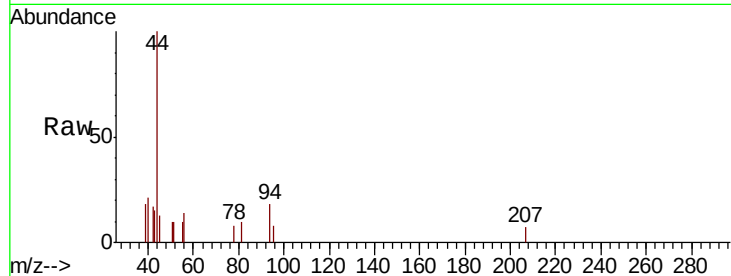
SAMPLE-8RE

Tot Ion: 56 Resp: 637

Ion Ratio Lower Upper

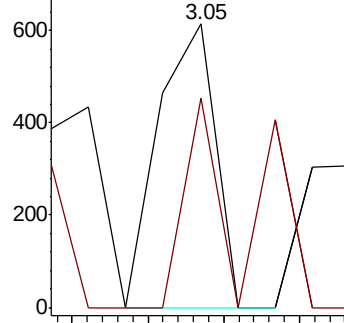
56 100

55 74.1 55.4 83.0

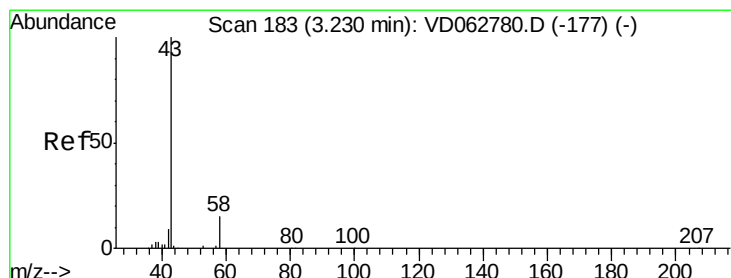
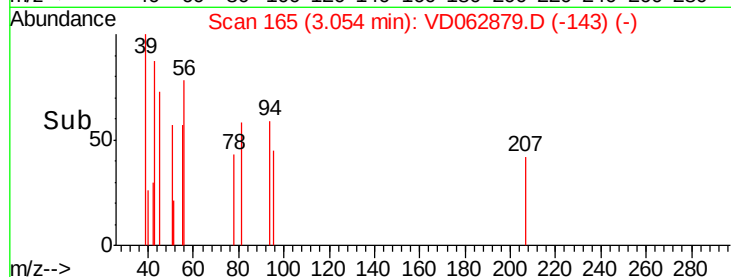


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#16

Acetone

Concen: 168.674 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062879.D

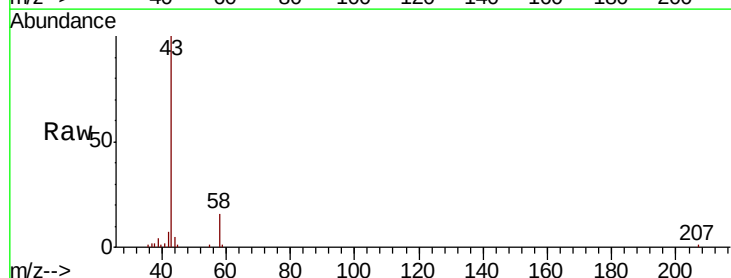
Acq: 25 Jun 2019 15:14

Tgt Ion: 43 Resp: 155437

Ion Ratio Lower Upper

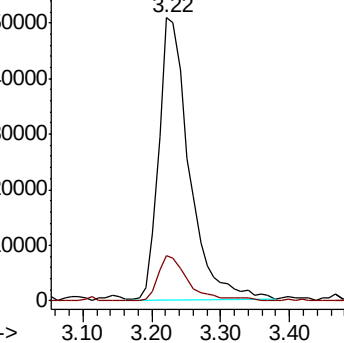
43 100

58 16.0 11.9 17.9

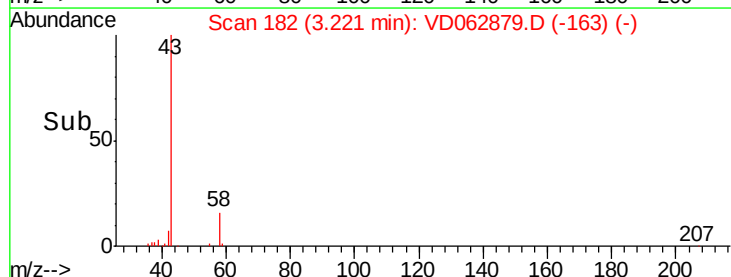


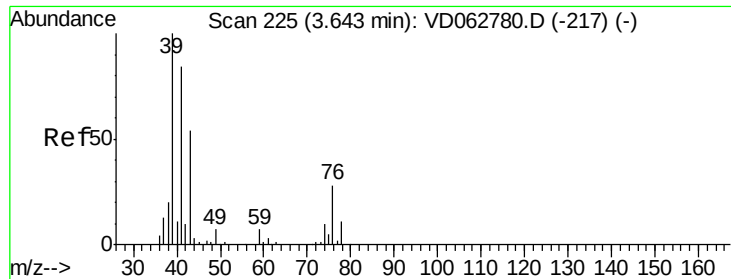
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

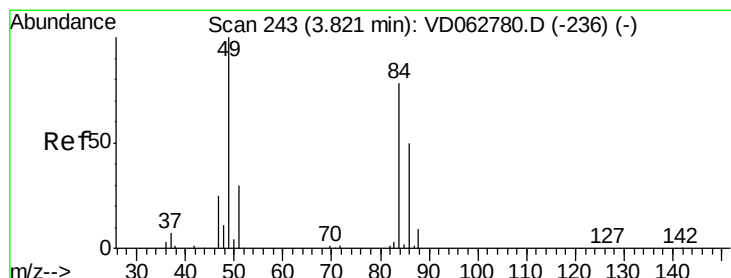
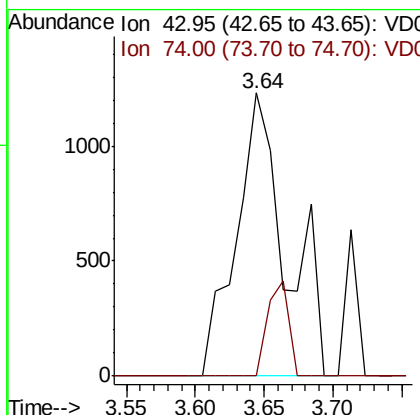
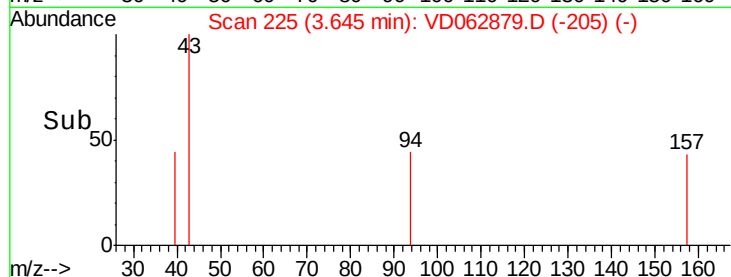
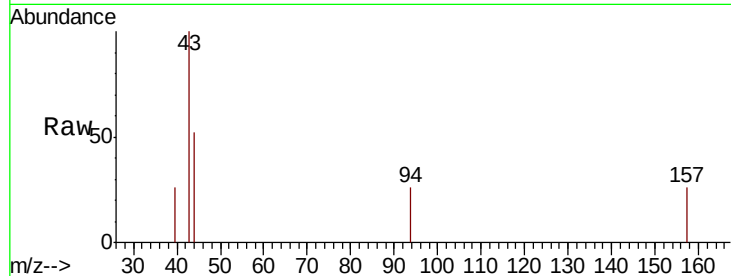




#18
Methvl Acetate
Concen: 2.287 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062879.D
Acq: 25 Jun 2019 15:14

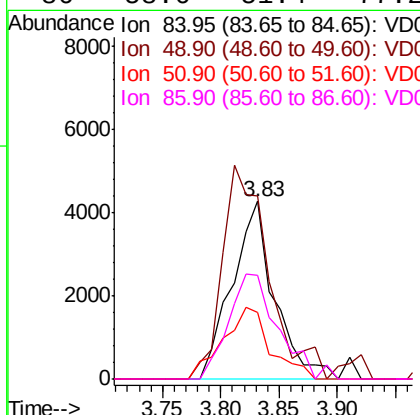
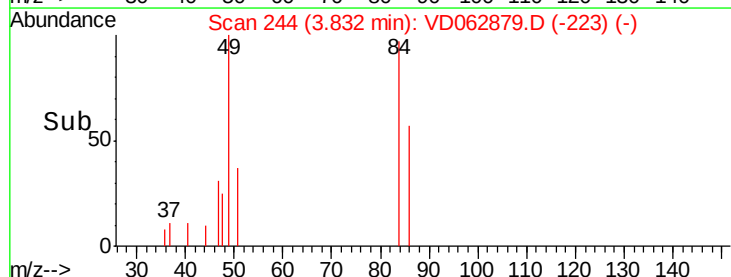
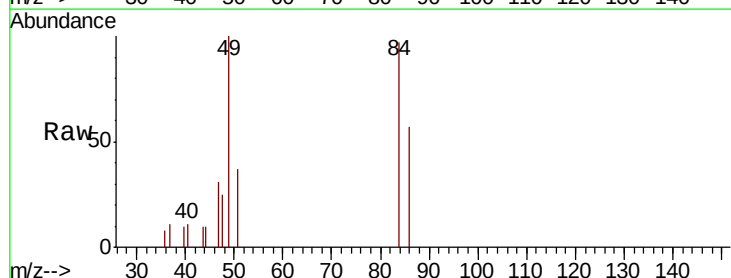
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8RE

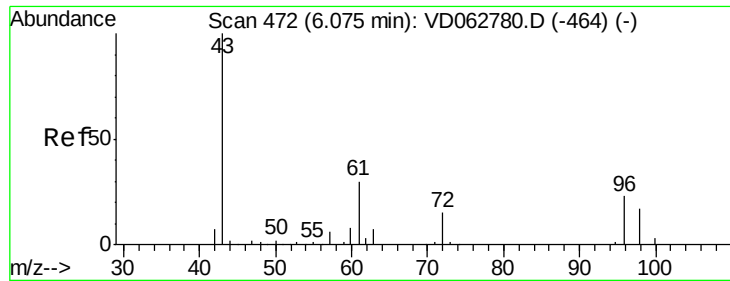
Tot Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#



#20
Methylene Chloride
Concen: 3.152 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062879.D
Acq: 25 Jun 2019 15:14

Tgt Ion: 84 Resp: 10778
Ion Ratio Lower Upper
84 100
49 102.8 102.9 154.3#
51 37.7 31.2 46.8
86 58.6 51.4 77.2





#25

2-Butanone

Concen: 40.306 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

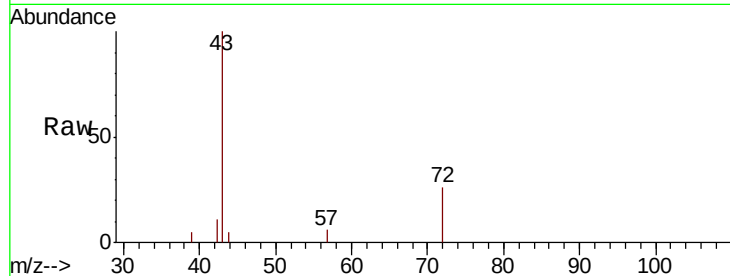
SAMPLE-8RE

Tot Ion: 43 Resp: 33800

Ion Ratio Lower Upper

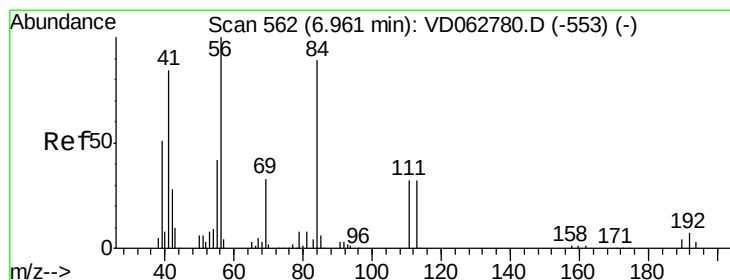
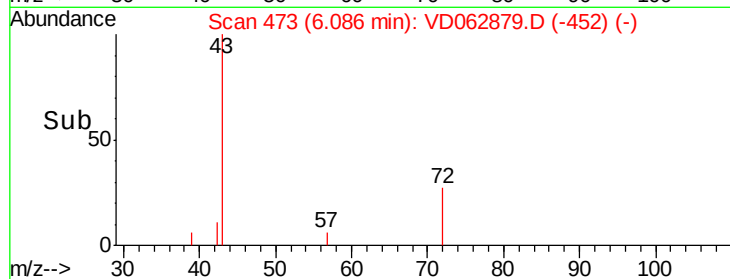
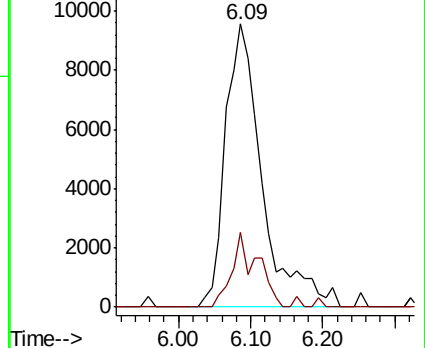
43 100

72 26.2 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.327 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

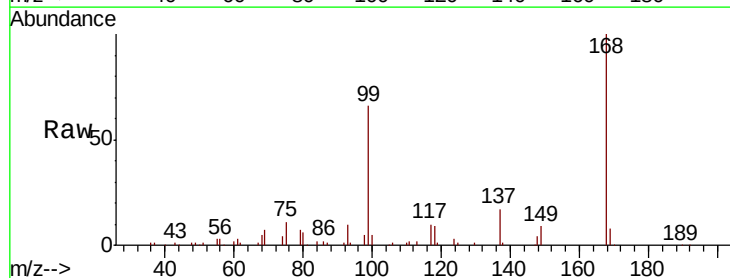
Tgt Ion: 56 Resp: 9797

Ion Ratio Lower Upper

56 100

69 214.5 26.6 39.8#

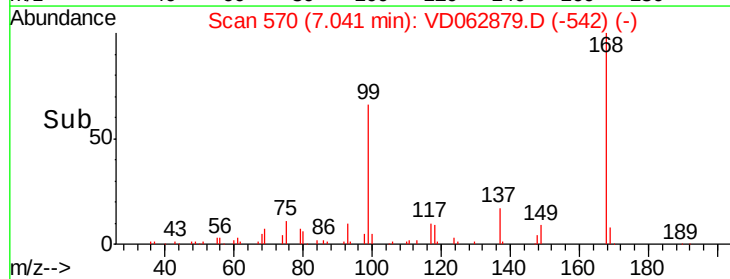
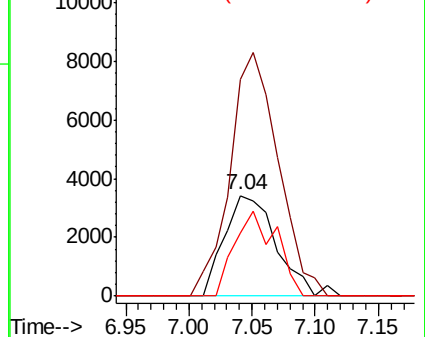
84 62.0 75.5 113.3#

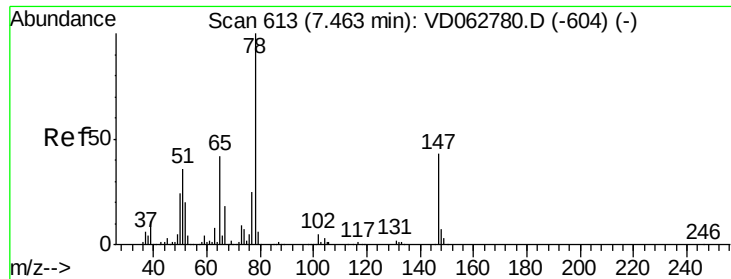


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 78.283 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

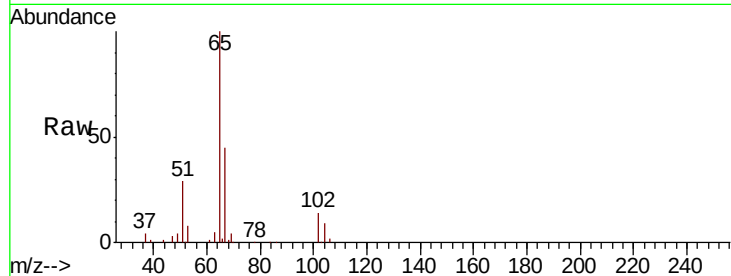
SAMPLE-8RE

Tot Ion: 65 Resp: 350997

Ion Ratio Lower Upper

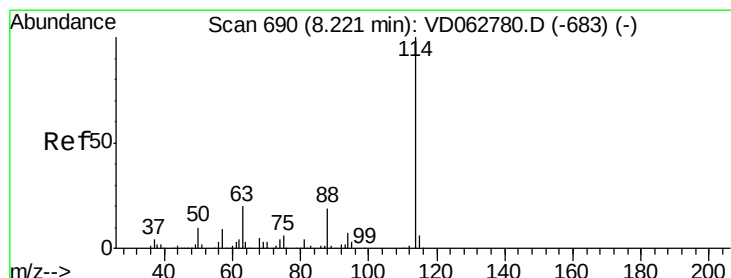
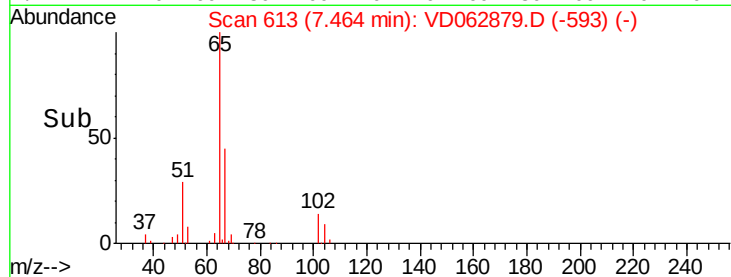
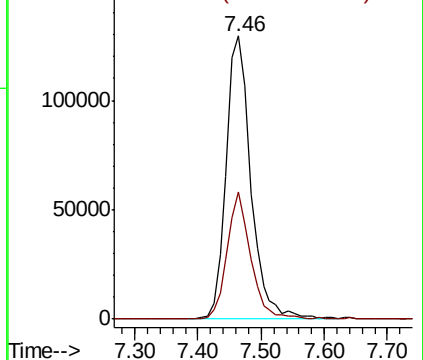
65 100

67 45.0 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: VD062879.D

Acq: 25 Jun 2019 15:14

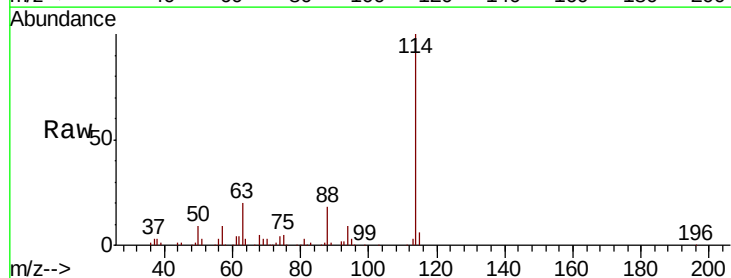
Tgt Ion: 114 Resp: 599860

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

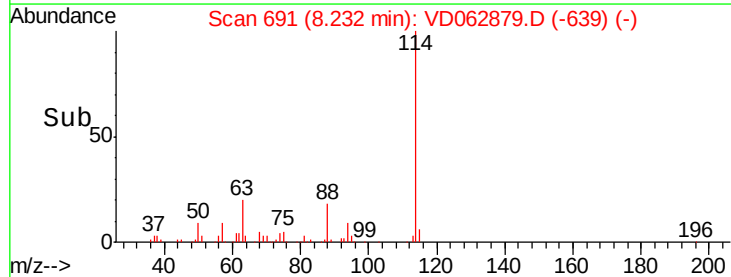
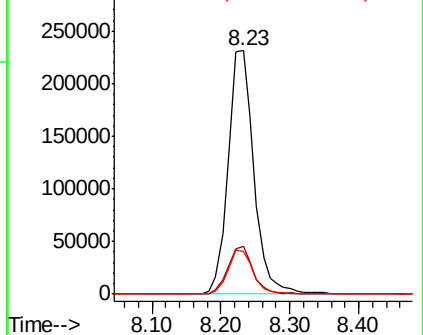
88 17.6 0.0 38.8

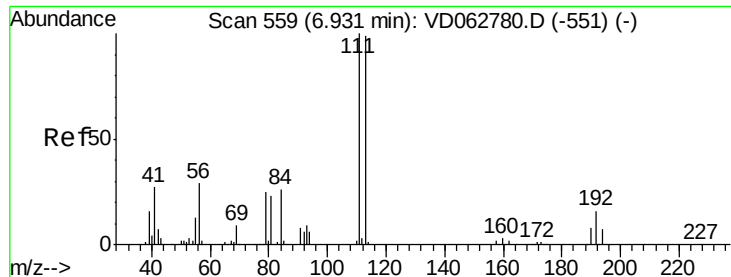


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 61.852 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampled :

SAMPLE-8RE

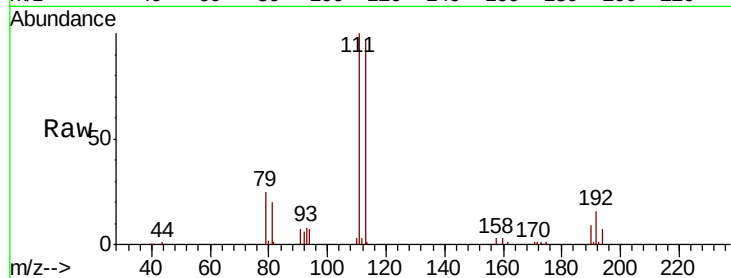
Tot Ion:113 Resp: 312845

Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

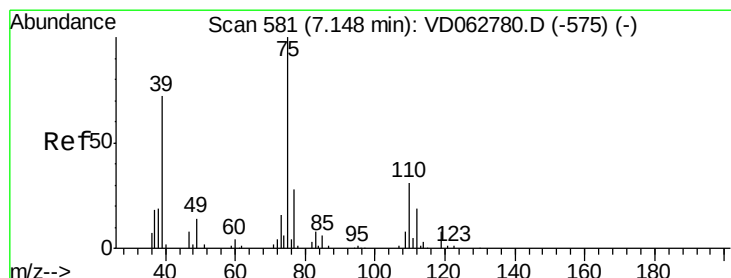
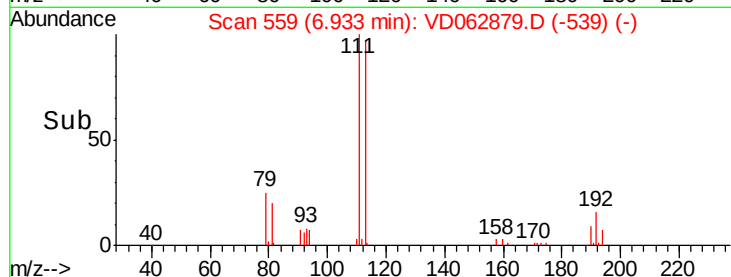
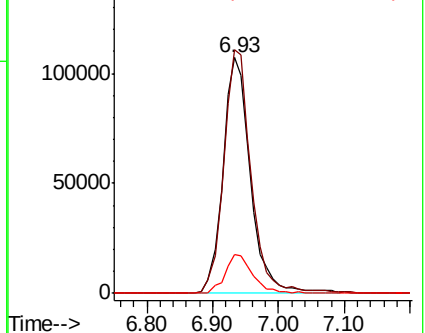
192 16.2 12.9 19.3



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: 5.820 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

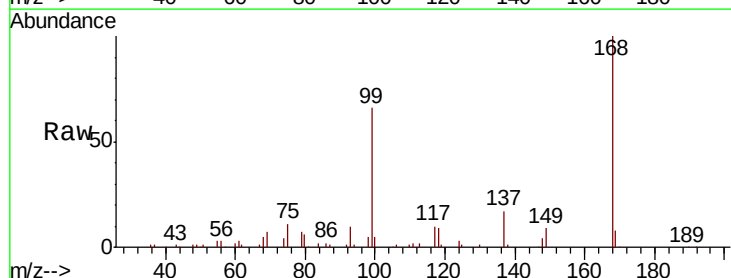
Tgt Ion: 75 Resp: 33047

Ion Ratio Lower Upper

75 100

110 5.6 15.0 45.1#

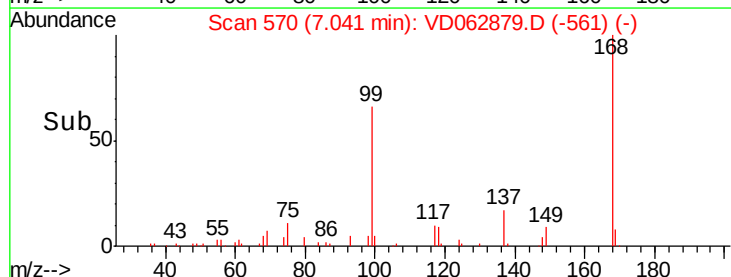
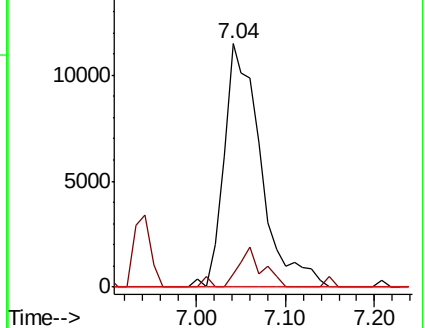
77 0.0 22.2 33.2#

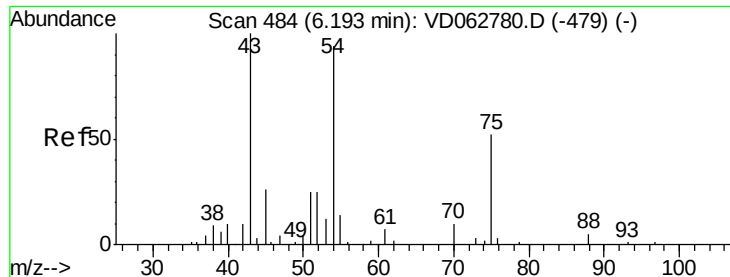


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 13.363 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.11 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-8RE

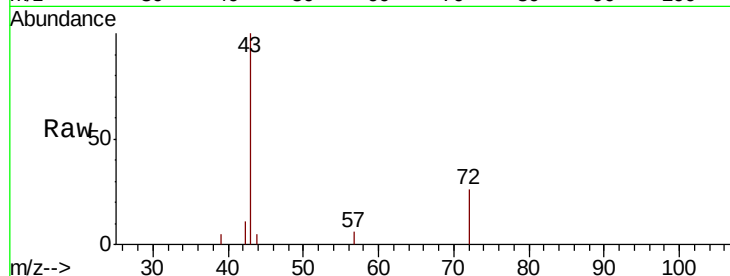
Tot Ion: 43 Resp: 33800

Ion Ratio Lower Upper

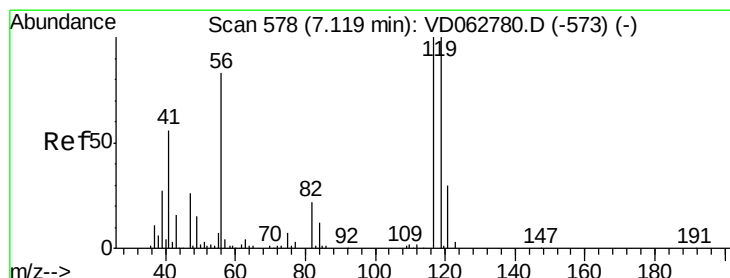
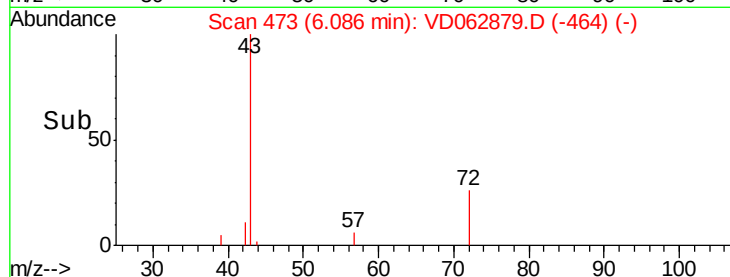
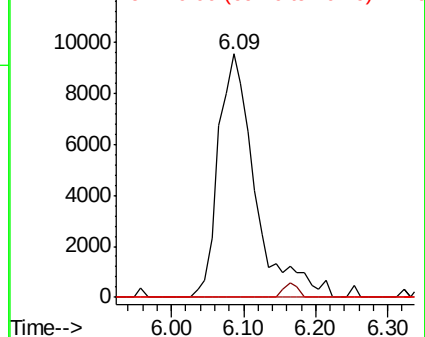
43 100

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: 4.696 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

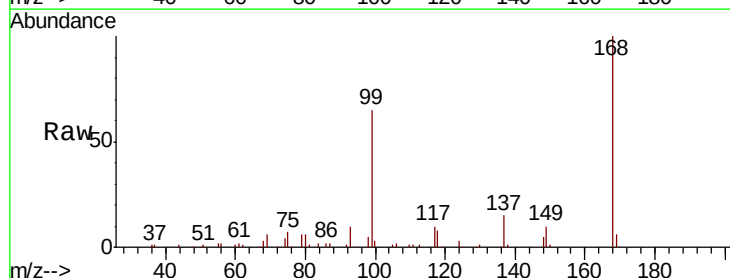
Tgt Ion: 117 Resp: 40102

Ion Ratio Lower Upper

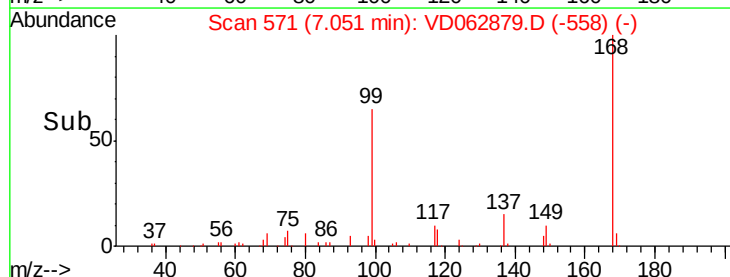
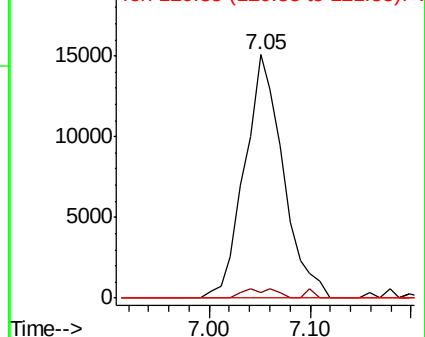
117 100

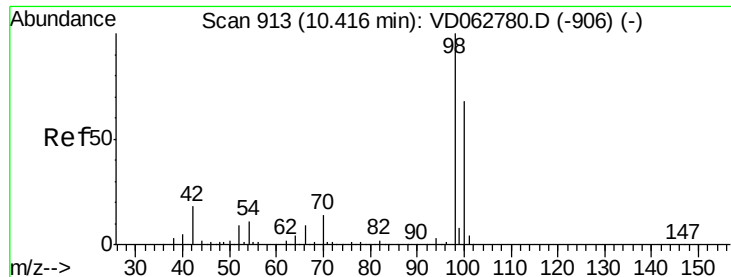
119 2.3 75.4 113.2#

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

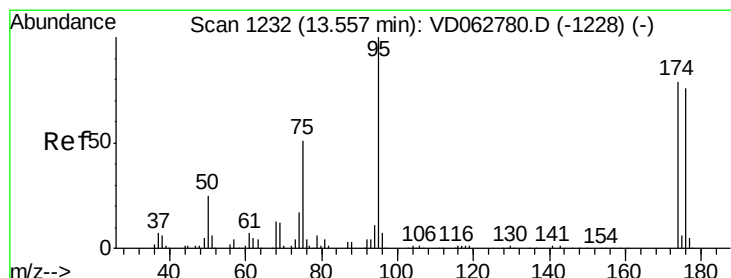
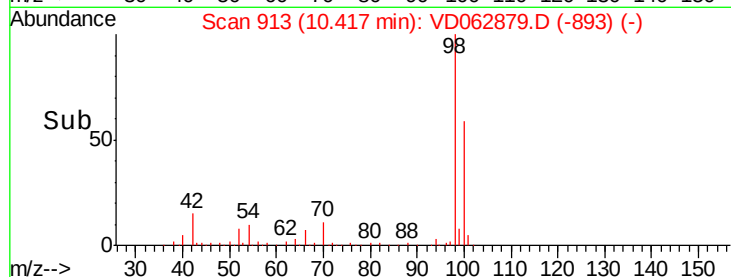
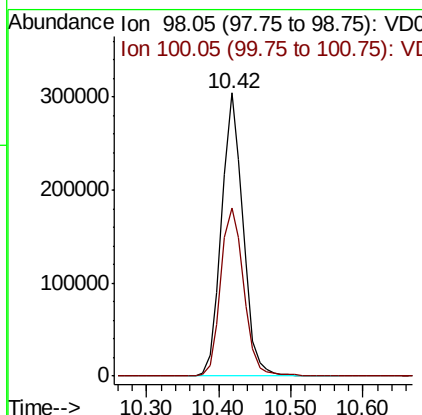
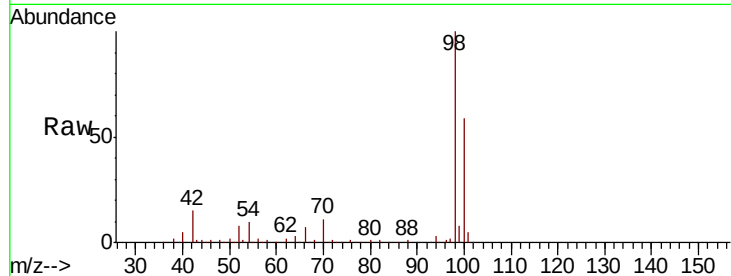




#50
Toluene-d8
Concen: 56.954 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062879.D
Acq: 25 Jun 2019 15:14

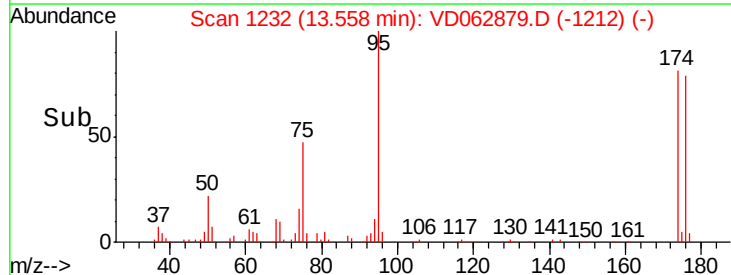
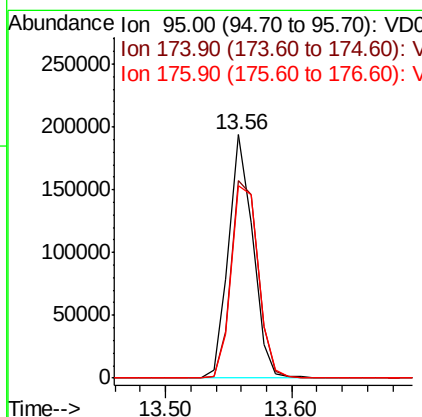
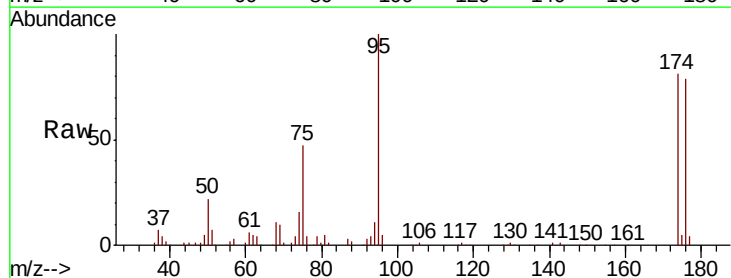
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8RE

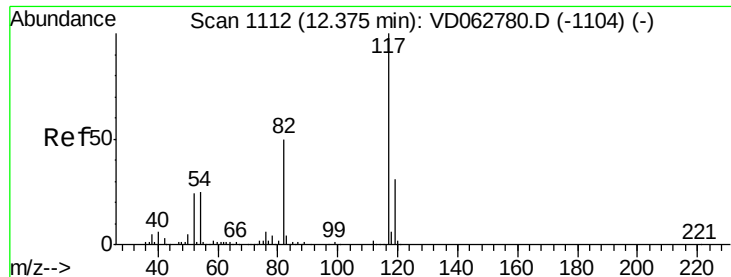
Tot Ion: 98 Resp: 626981
Ion Ratio Lower Upper
98 100
100 59.5 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 51.533 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062879.D
Acq: 25 Jun 2019 15:14

Tgt Ion: 95 Resp: 257958
Ion Ratio Lower Upper
95 100
174 81.2 0.0 158.0
176 78.8 0.0 151.6

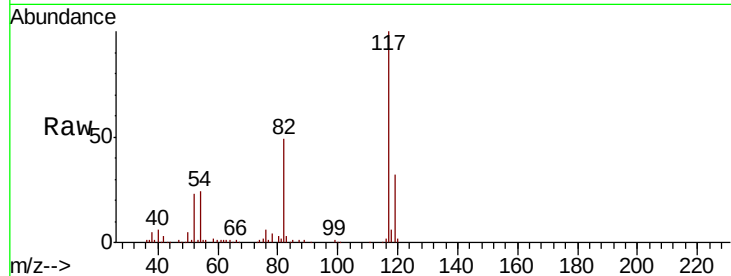




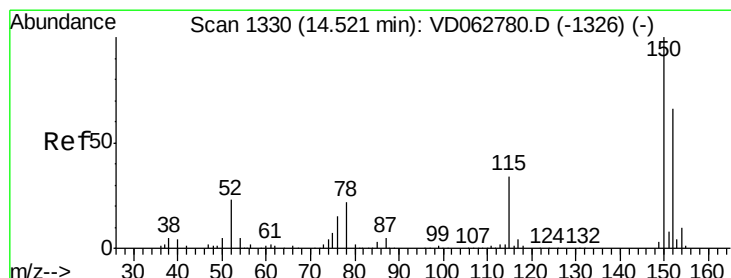
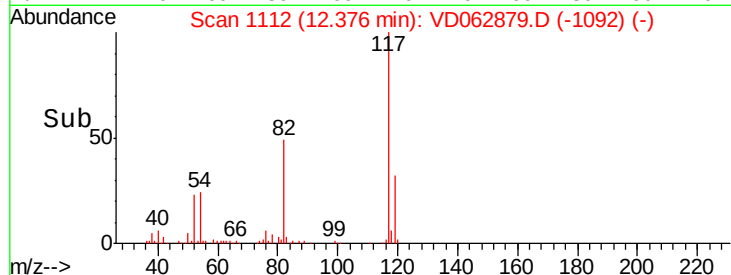
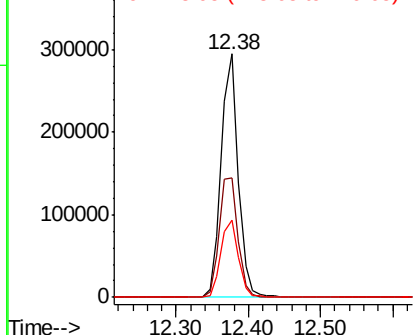
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062879.D
Acq: 25 Jun 2019 15:14

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8RE

Tot Ion:117 Resp: 480032
Ion Ratio Lower Upper
117 100
82 48.9 40.4 60.6
119 31.7 25.2 37.8

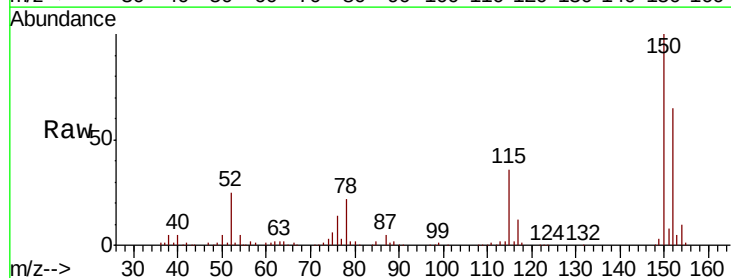


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

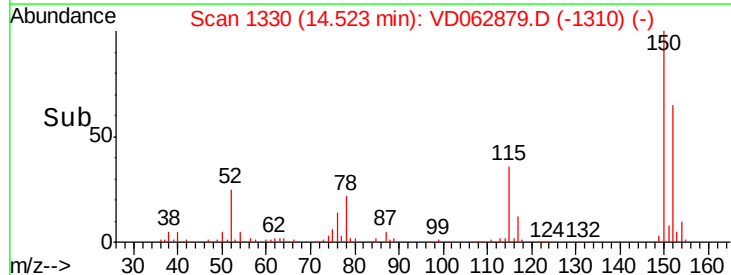
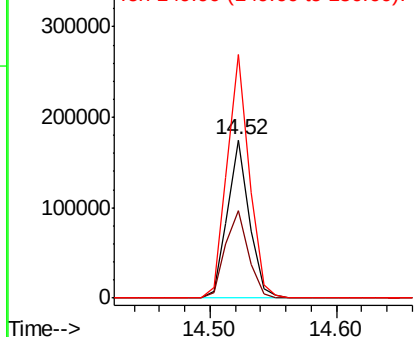


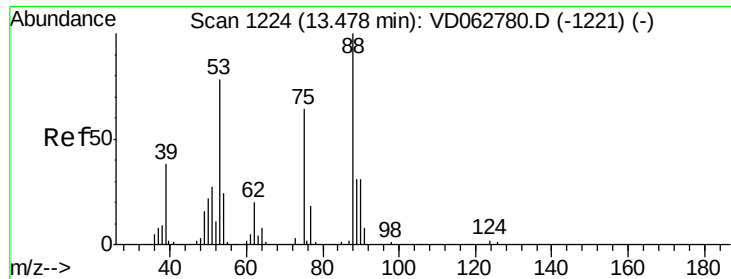
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062879.D
Acq: 25 Jun 2019 15:14

Tgt Ion:152 Resp: 208708
Ion Ratio Lower Upper
152 100
115 55.5 29.2 87.6
150 153.8 0.0 305.8



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: 186.941 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062879.D

Acq: 25 Jun 2019 15:14

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-8RE

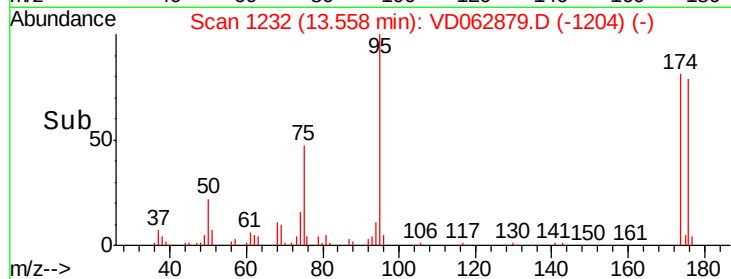
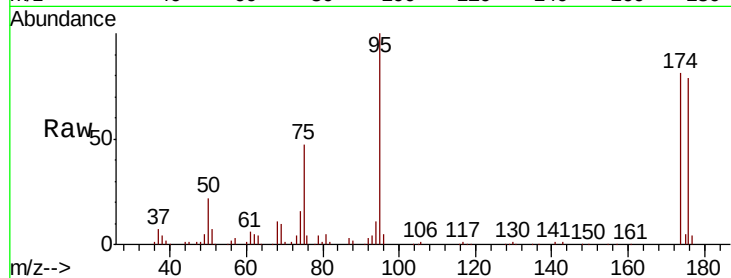
Tot Ion: 75 Resp: 118046

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

