

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062893.D
 Acq On : 25 Jun 2019 23:52
 Operator : VA/AP
 Sample : VD0625SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBL02

Quant Time: Jun 26 05:37:35 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	924555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1310872	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1127447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	558330	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	531086	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	6.93	113	565668	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.41	98	1215949	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	13.56	95	545478	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

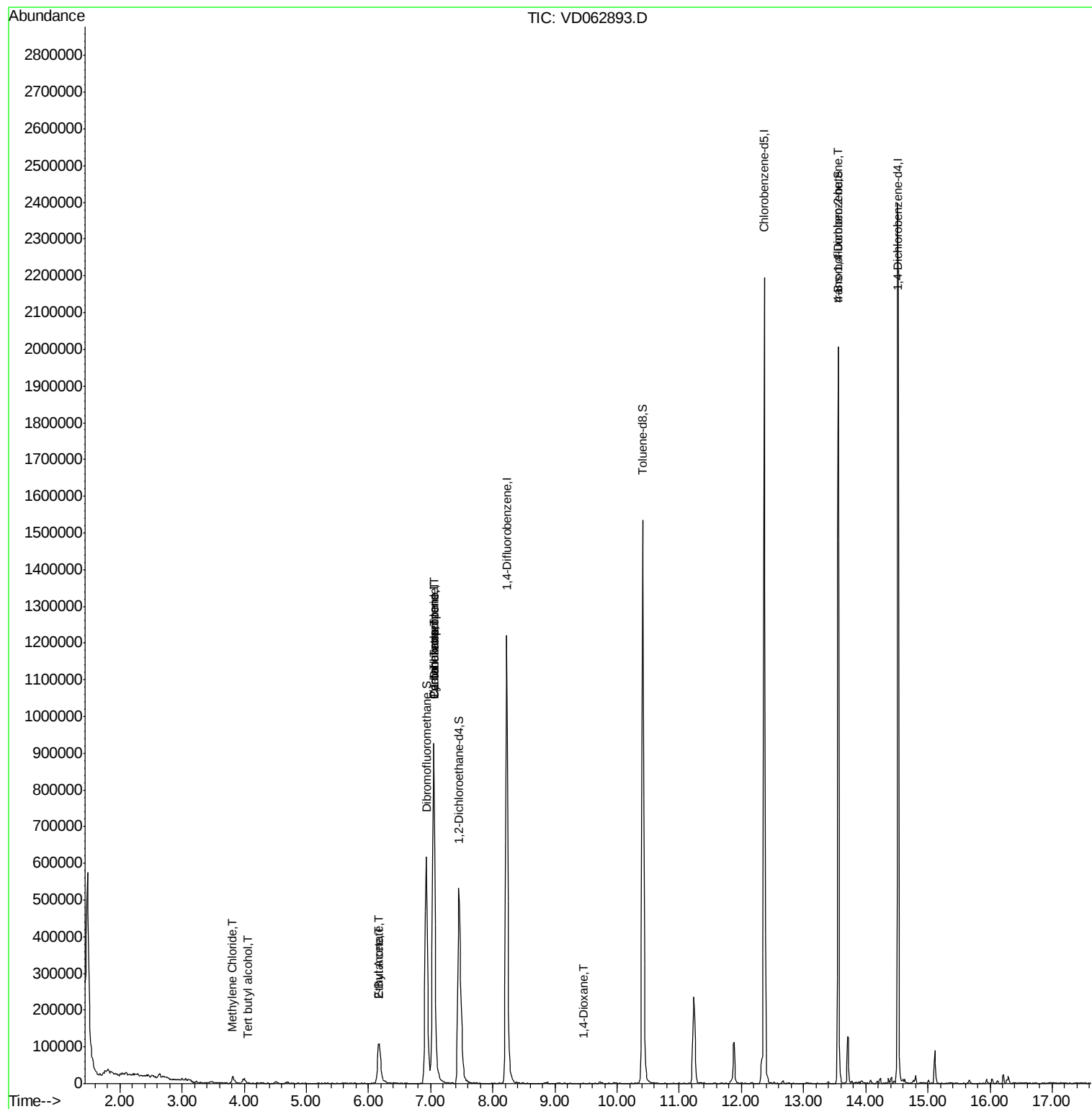
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	714	1.560	ug/l #	77
16) Acetone	3.22	43	6154	Below Cal	#	72
20) Methylene Chloride	3.81	84	9480	1.237	ug/l #	70
25) 2-Butanone	6.16	43	11313	6.019	ug/l #	64
31) Cyclohexane	7.05	56	22381	2.372	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	66179	5.333	ug/l #	57
37) Ethyl Acetate	6.16	43	12016	1.231	ug/l #	7
38) Carbon Tetrachloride	7.05	117	88753	4.756	ug/l #	16
49) 1,4-Dioxane	9.45	88	307	7.982	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.56	75	260285	154.081	ug/l #	2

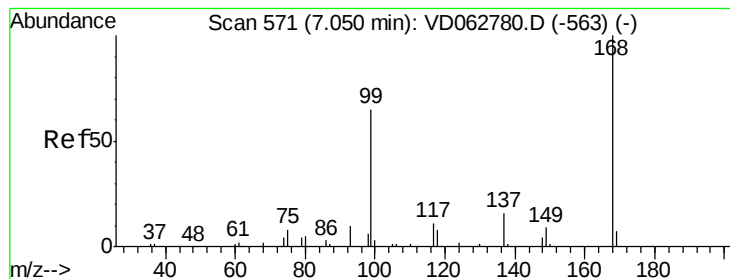
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062893.D
Acq On : 25 Jun 2019 23:52
Operator : VA/AP
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL02

Quant Time: Jun 26 05:37:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

Instrument :

MSVOA_D

ClientSampleId :

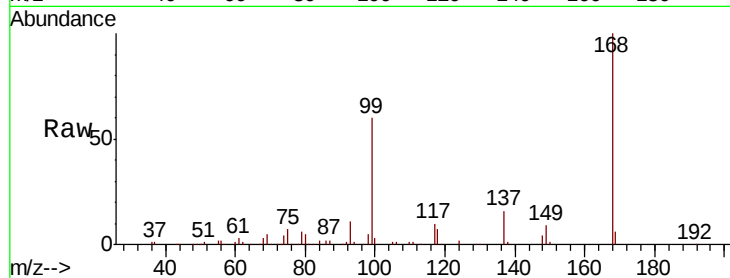
VD0625SBL02

Tot Ion:168 Resp: 924555

Ion Ratio Lower Upper

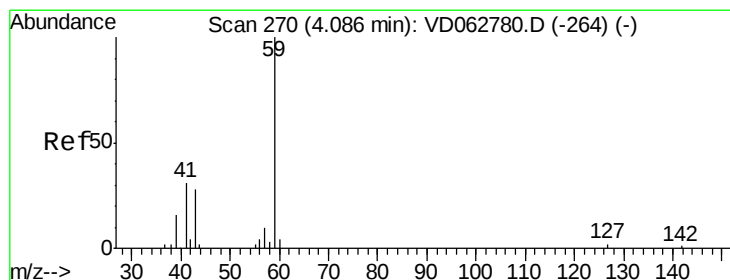
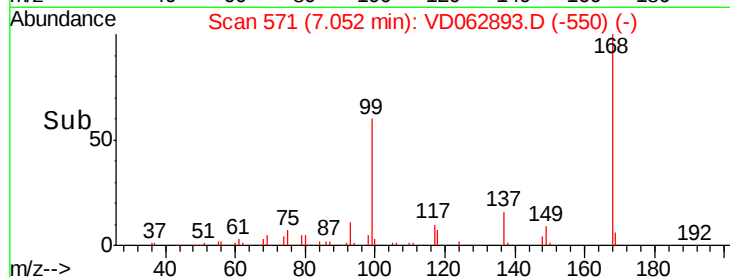
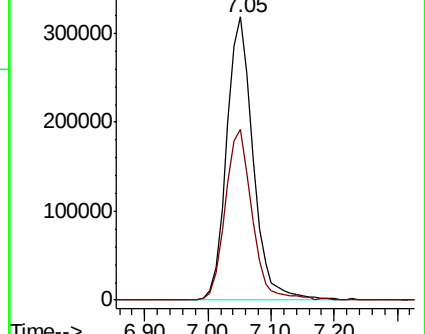
168 100

99 60.2 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: 1.560 ug/l

RT: 4.06 min Scan# 267

Delta R.T. -0.03 min

Lab File: VD062893.D

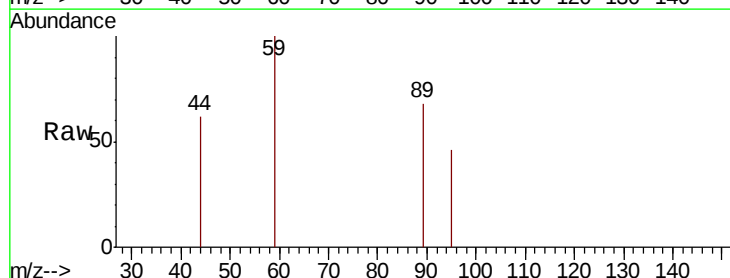
Acq: 25 Jun 2019 23:52

Tgt Ion: 59 Resp: 714

Ion Ratio Lower Upper

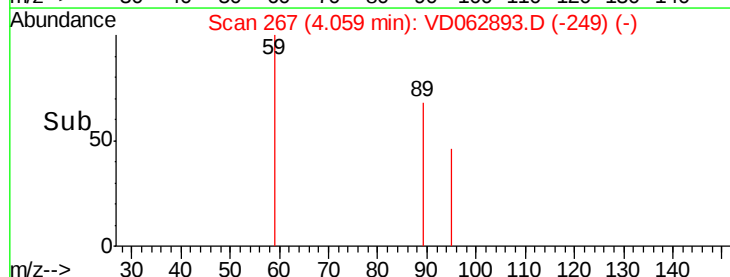
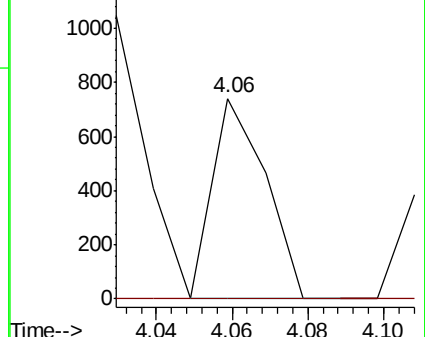
59 100

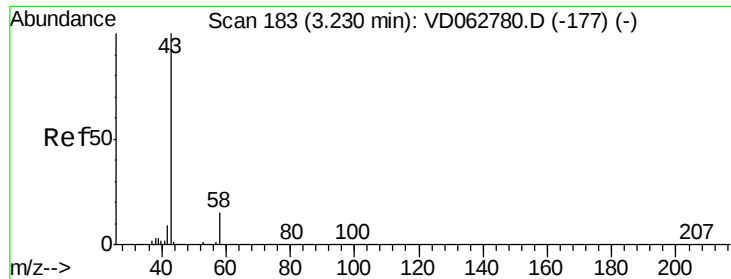
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

Instrument :

MSVOA_D

ClientSampleId :

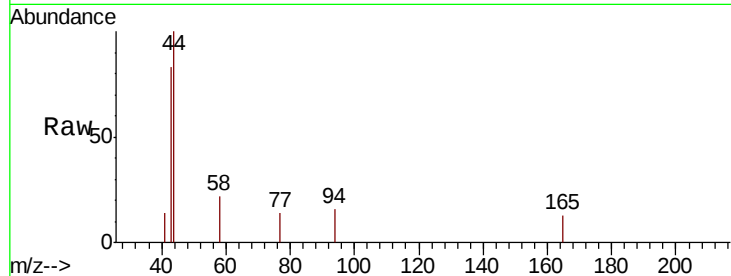
VD0625SBL02

Tot Ion: 43 Resp: 6154

Ion Ratio Lower Upper

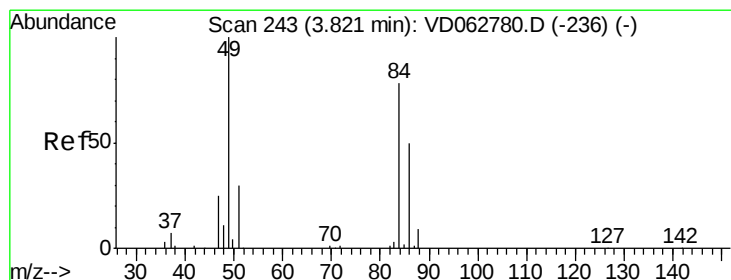
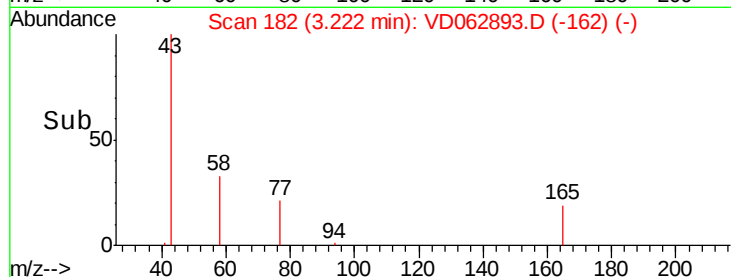
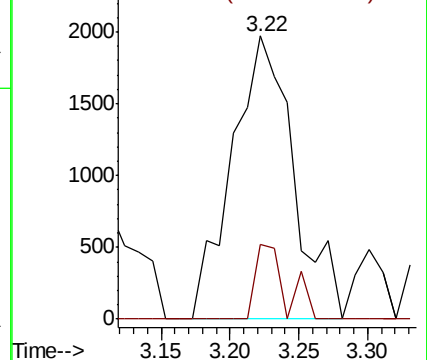
43 100

58 26.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.237 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

Tgt Ion: 84 Resp: 9480

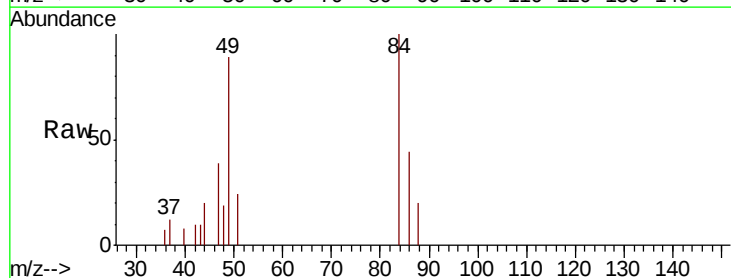
Ion Ratio Lower Upper

84 100

49 88.8 102.9 154.3#

51 24.1 31.2 46.8#

86 43.9 51.4 77.2#

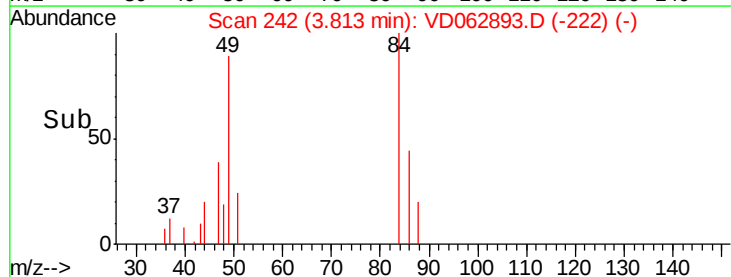
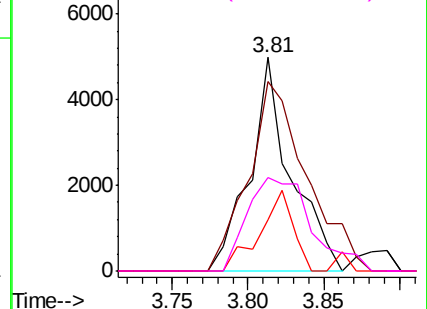


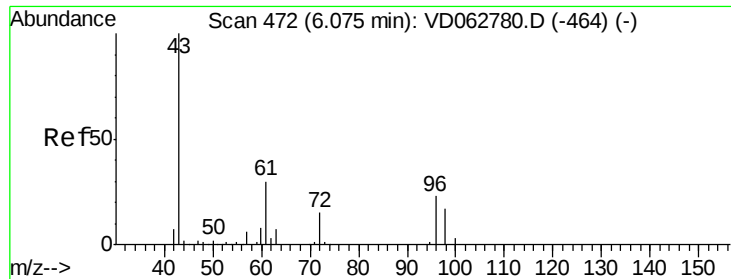
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 6.019 ug/l

RT: 6.16 min Scan# 480

Delta R.T. 0.08 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

Instrument :

MSVOA_D

ClientSampleId :

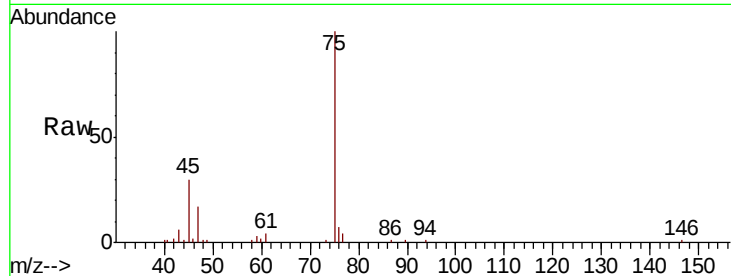
VD0625SBL02

Tot Ion: 43 Resp: 11313

Ion Ratio Lower Upper

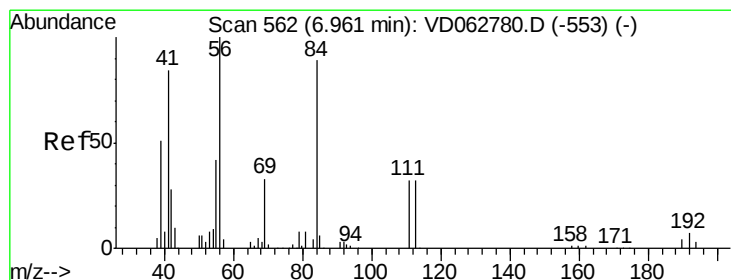
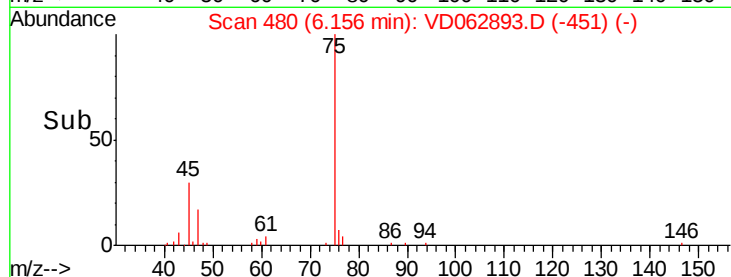
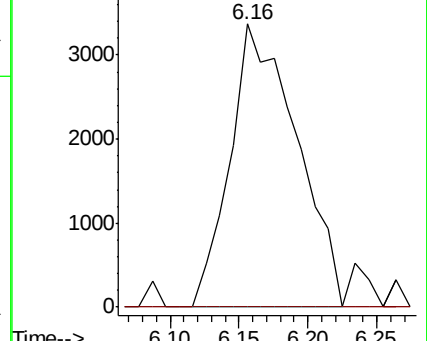
43 100

72 0.0 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: 2.372 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

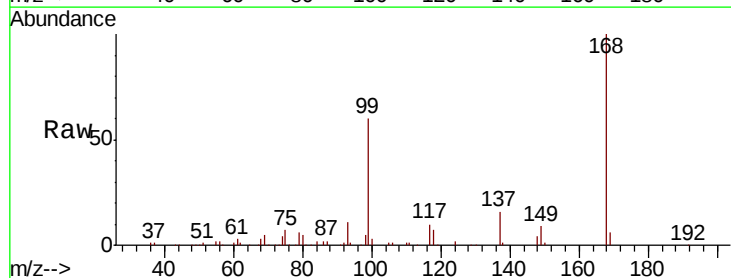
Tgt Ion: 56 Resp: 22381

Ion Ratio Lower Upper

56 100

69 219.7 26.6 39.8#

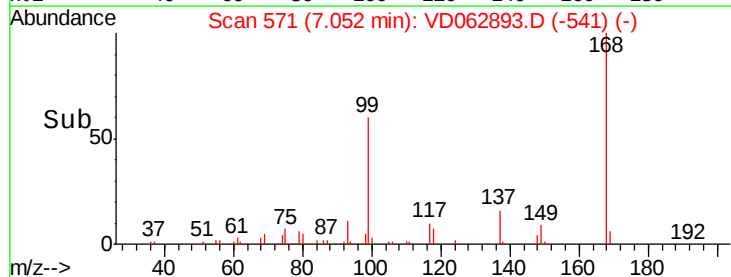
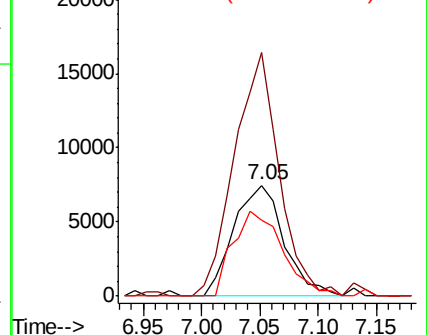
84 68.9 75.5 113.3#

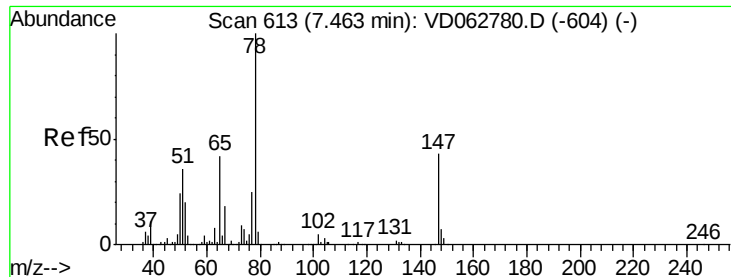


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.846 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

Instrument :

MSVOA_D

ClientSampleId :

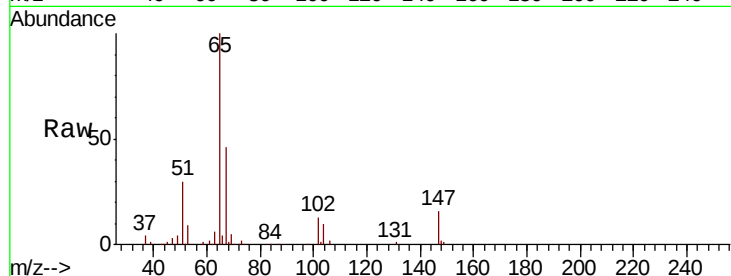
VD0625SBL02

Tot Ion: 65 Resp: 531086

Ion Ratio Lower Upper

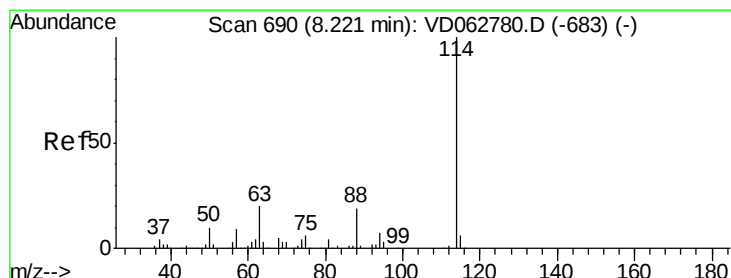
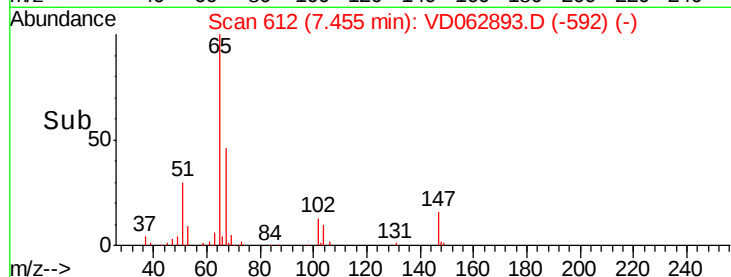
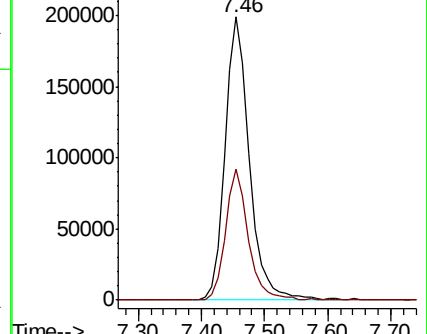
65 100

67 46.1 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: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

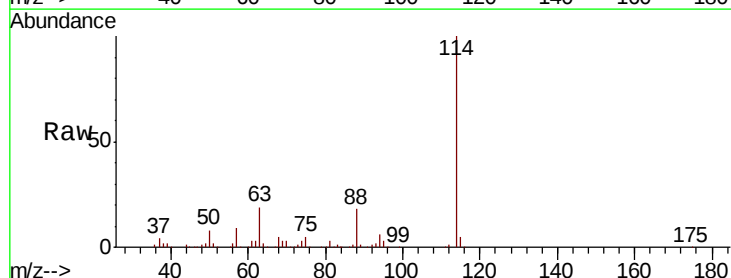
Tgt Ion: 114 Resp: 1310872

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

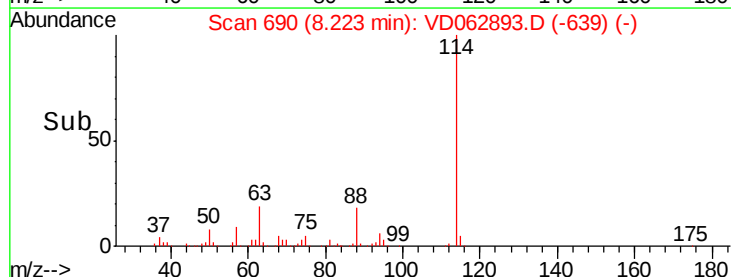
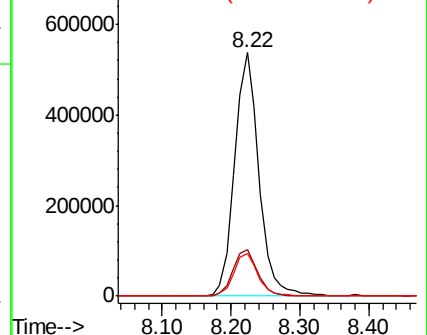
88 17.8 0.0 38.8

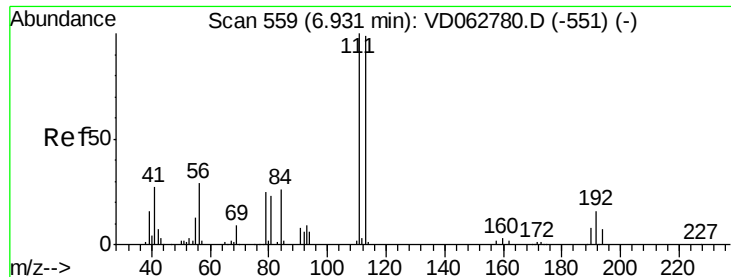


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

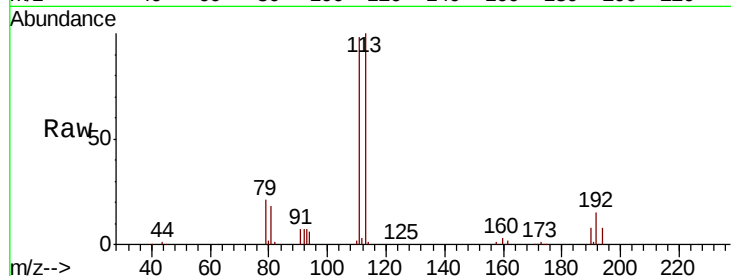




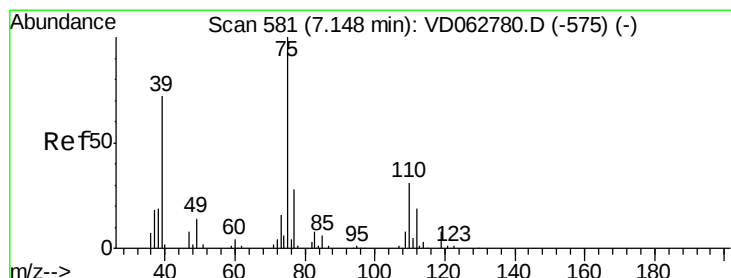
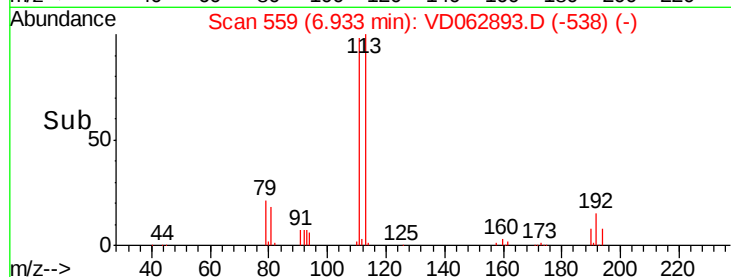
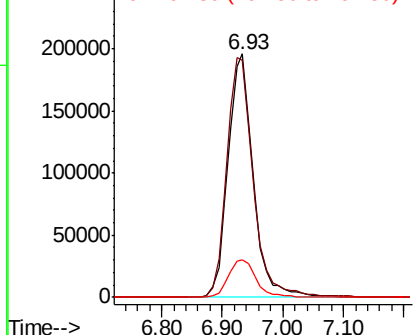
#35
 Dibromofluoromethane
 Concen: 51.177 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD062893.D
 Acq: 25 Jun 2019 23:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBL02

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.7	81.2	121.8
192	15.5	12.9	19.3

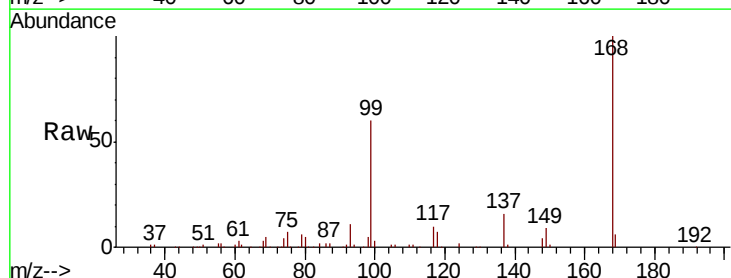


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

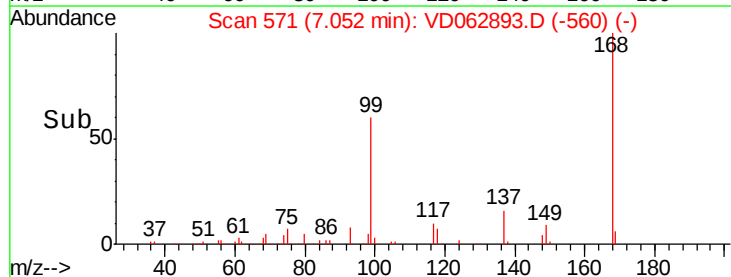
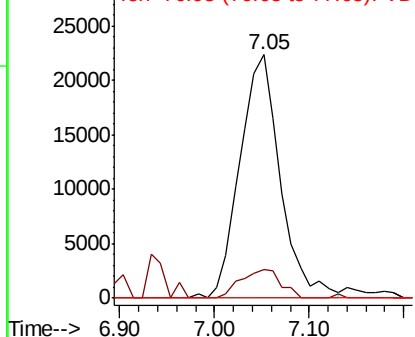


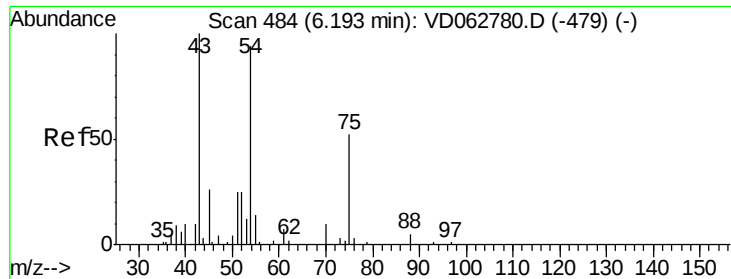
#36
 1,1-Dichloropropene
 Concen: 5.333 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD062893.D
 Acq: 25 Jun 2019 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	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): V
 Ion 76.95 (76.65 to 77.65): VDC

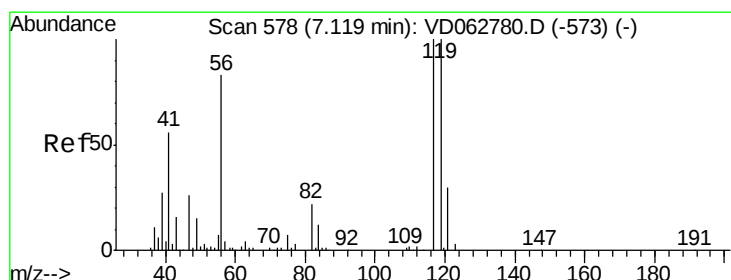
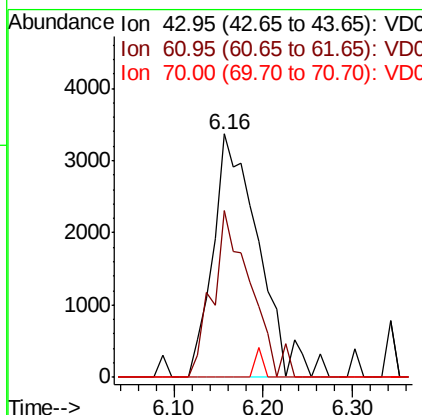
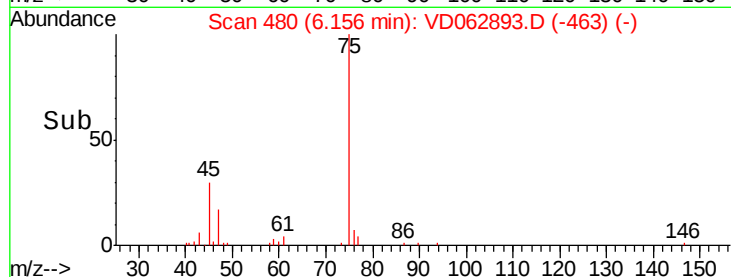
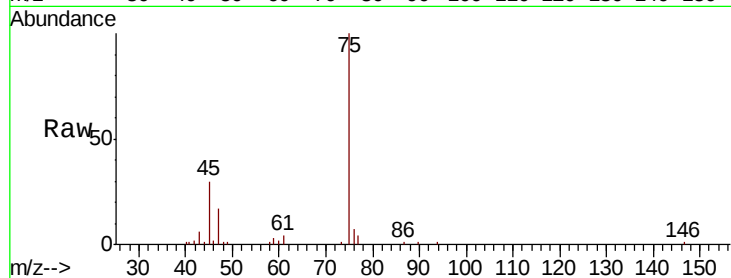




#37
Ethyl Acetate
Concen: 1.231 ug/l
RT: 6.16 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062893.D
Acq: 25 Jun 2019 23:52

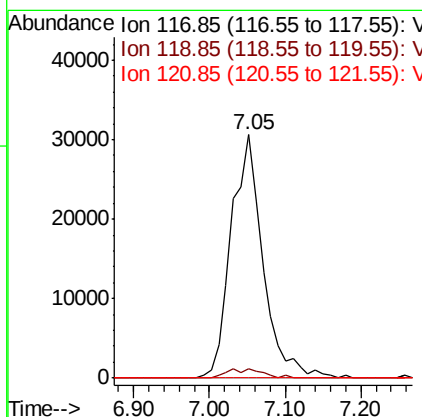
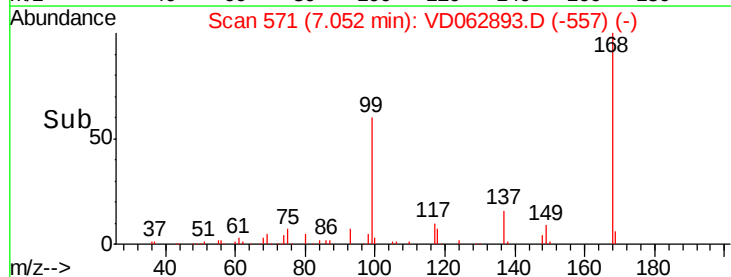
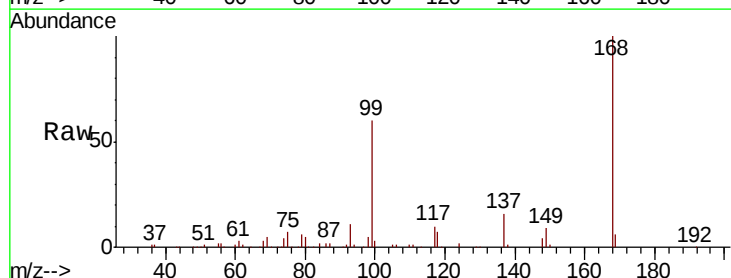
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL02

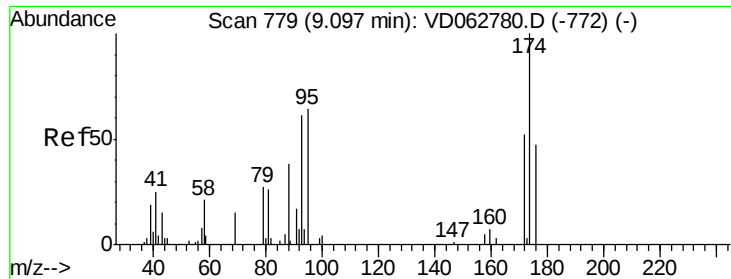
Tot Ion: 43 Resp: 12016
Ion Ratio Lower Upper
43 100
61 68.6 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 4.756 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD062893.D
Acq: 25 Jun 2019 23:52

Tgt Ion: 117 Resp: 88753
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 22.3 33.5#

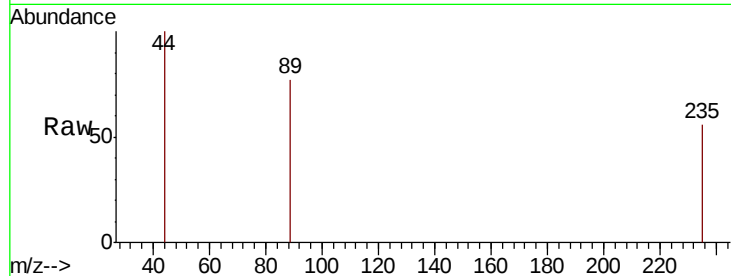




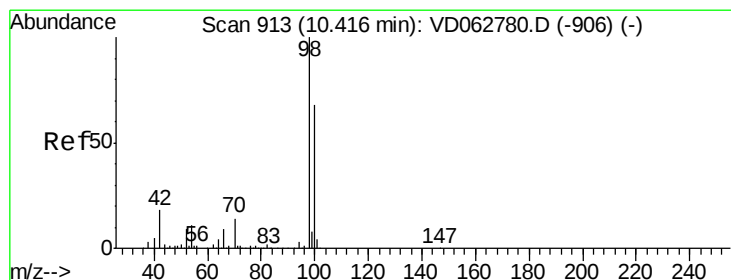
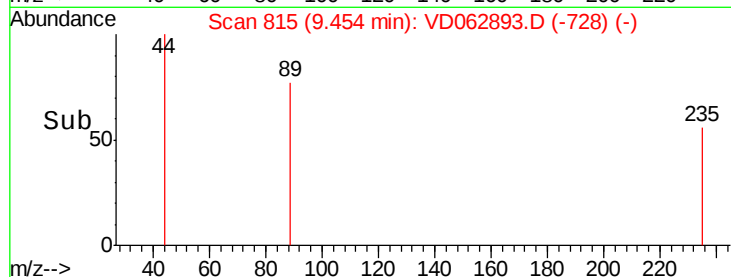
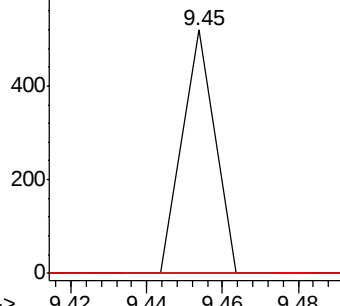
#49
1,4-Dioxane
Concen: 7.982 ug/l
RT: 9.45 min Scan# 815
Delta R.T. 0.36 min
Lab File: VD062893.D
Acq: 25 Jun 2019 23:52

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL02

Tot Ion: 88 Resp: 307
Ion Ratio Lower Upper
88 100
43 0.0 32.1 48.1#
58 0.0 44.1 66.1#

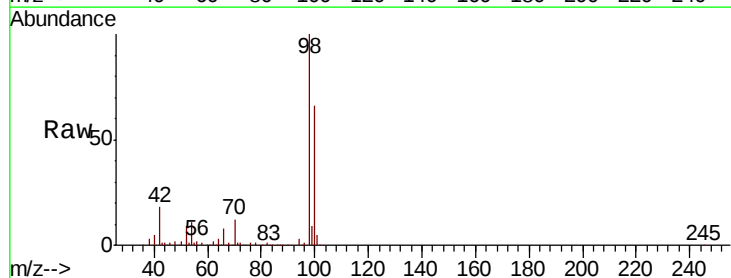


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

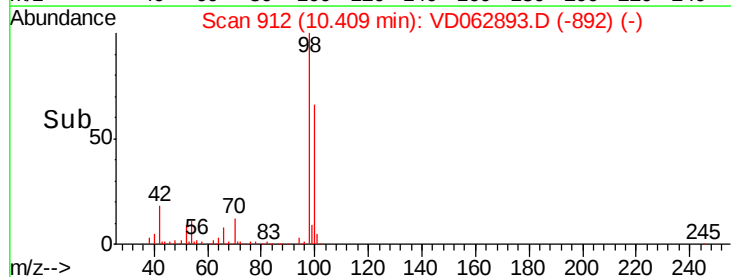
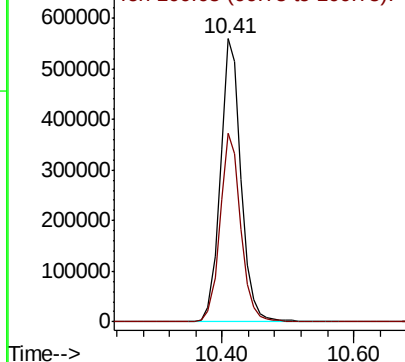


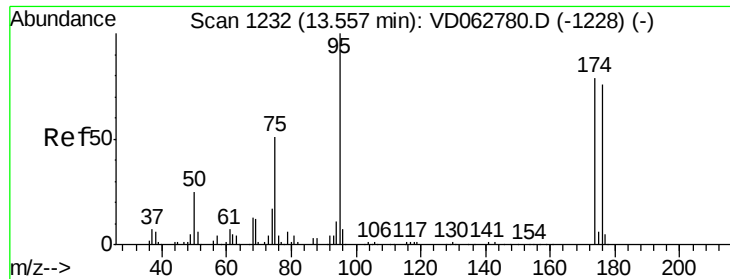
#50
Toluene-d8
Concen: 50.545 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062893.D
Acq: 25 Jun 2019 23:52

Tgt Ion: 98 Resp: 1215949
Ion Ratio Lower Upper
98 100
100 66.4 54.7 82.1



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

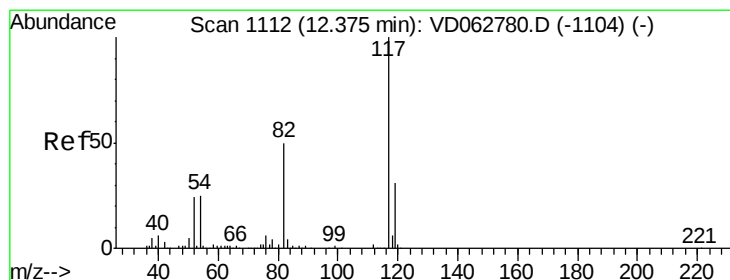
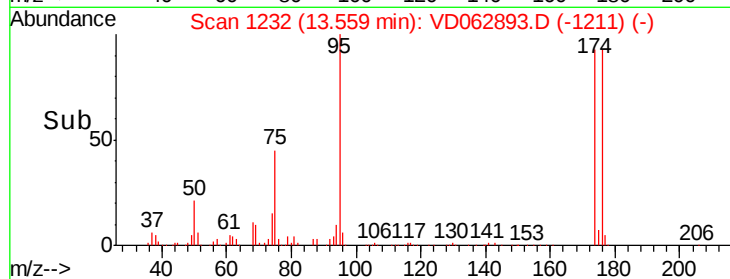
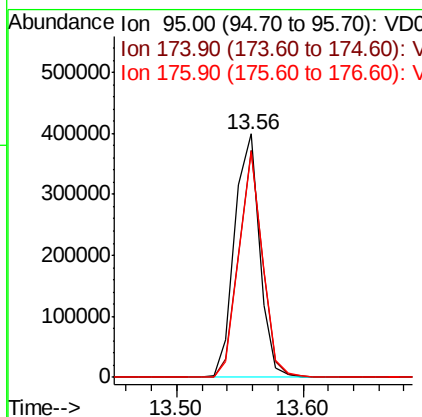
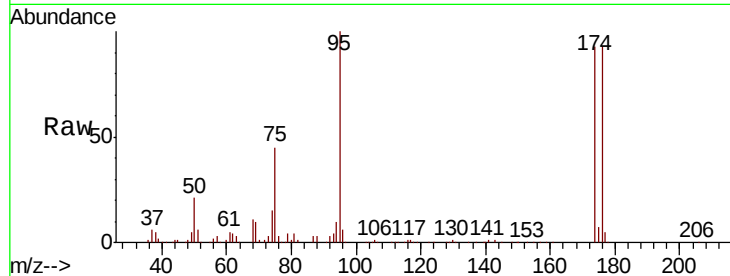




#62
4-Bromofluorobenzene
Concen: 49.866 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062893.D
Acq: 25 Jun 2019 23:52

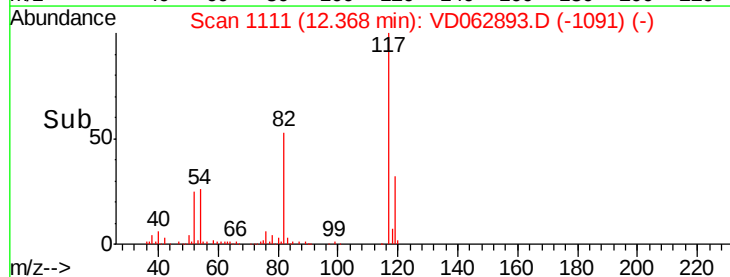
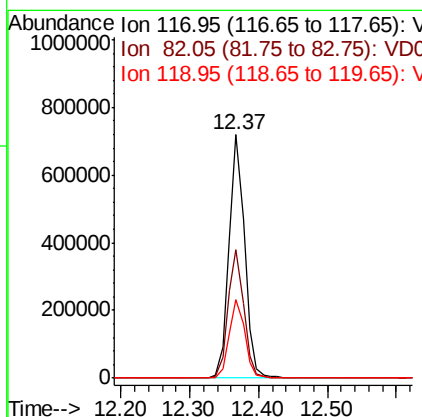
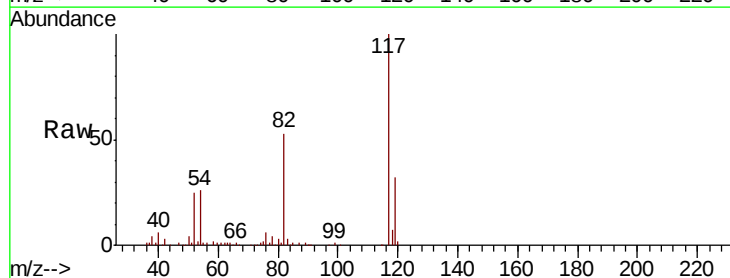
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL02

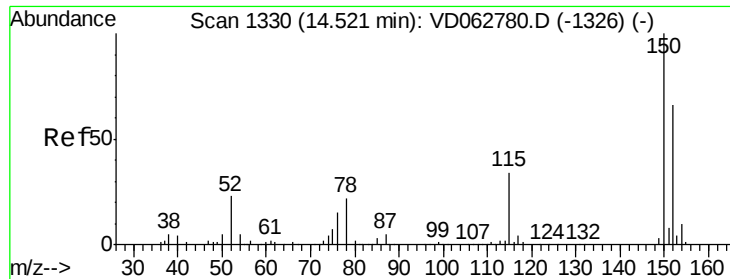
Tot Ion: 95 Resp: 545478
Ion Ratio Lower Upper
95 100
174 93.3 0.0 158.0
176 92.8 0.0 151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062893.D
Acq: 25 Jun 2019 23:52

Tgt Ion: 117 Resp: 1127447
Ion Ratio Lower Upper
117 100
82 52.6 40.4 60.6
119 32.1 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: VD062893.D

Acq: 25 Jun 2019 23:52

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBL02

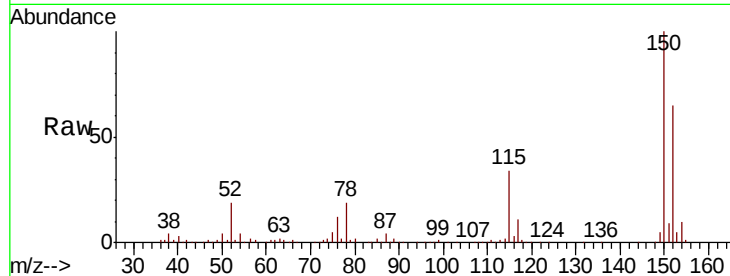
Tot Ion:152 Resp: 558330

Ion Ratio Lower Upper

152 100

115 52.6 29.2 87.6

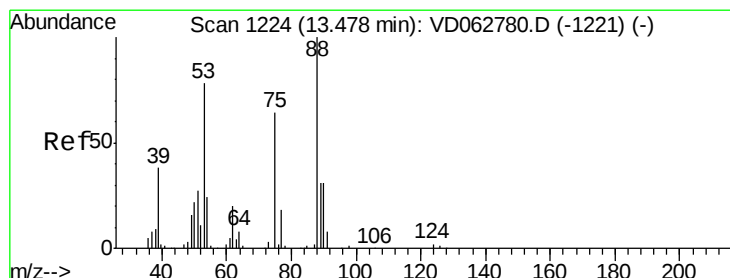
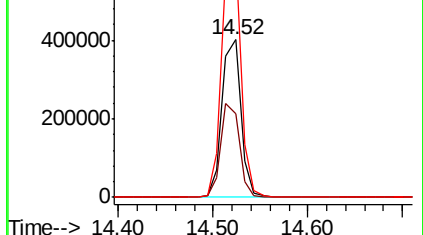
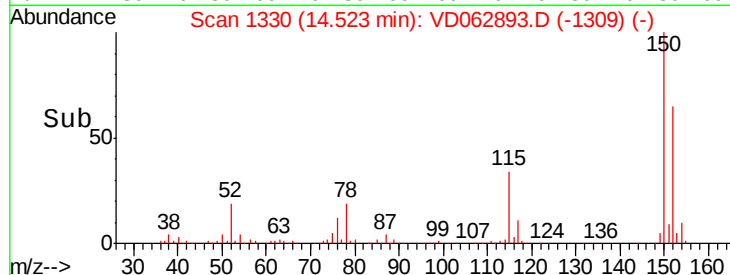
150 154.4 0.0 305.8



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: 154.081 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062893.D

Acq: 25 Jun 2019 23:52

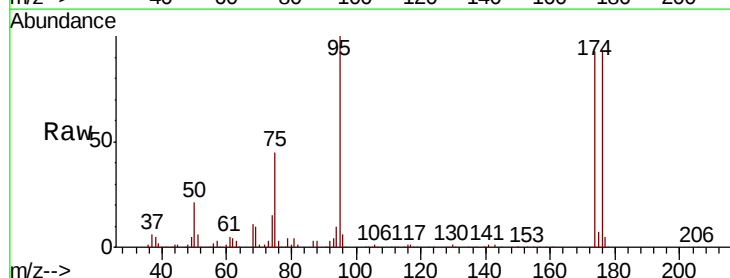
Tgt Ion: 75 Resp: 260285

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

