

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059882.D
 Acq On : 23 Aug 2018 12:12
 Operator : JC/SY
 Sample : VD0823SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBL01

Quant Time: Aug 23 14:41:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1187951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	1683056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1356841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	708190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	543740	54.31	ug/l	-0.02
Spiked Amount						
			Recovery	=	108.62%	
35) Dibromofluoromethane	6.31	113	683899	51.83	ug/l	-0.02
Spiked Amount						
			Recovery	=	103.66%	
50) Toluene-d8	9.45	98	1874132	51.18	ug/l	0.00
Spiked Amount						
			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.43	95	703682	47.31	ug/l	0.00
Spiked Amount						
			Recovery	=	94.62%	

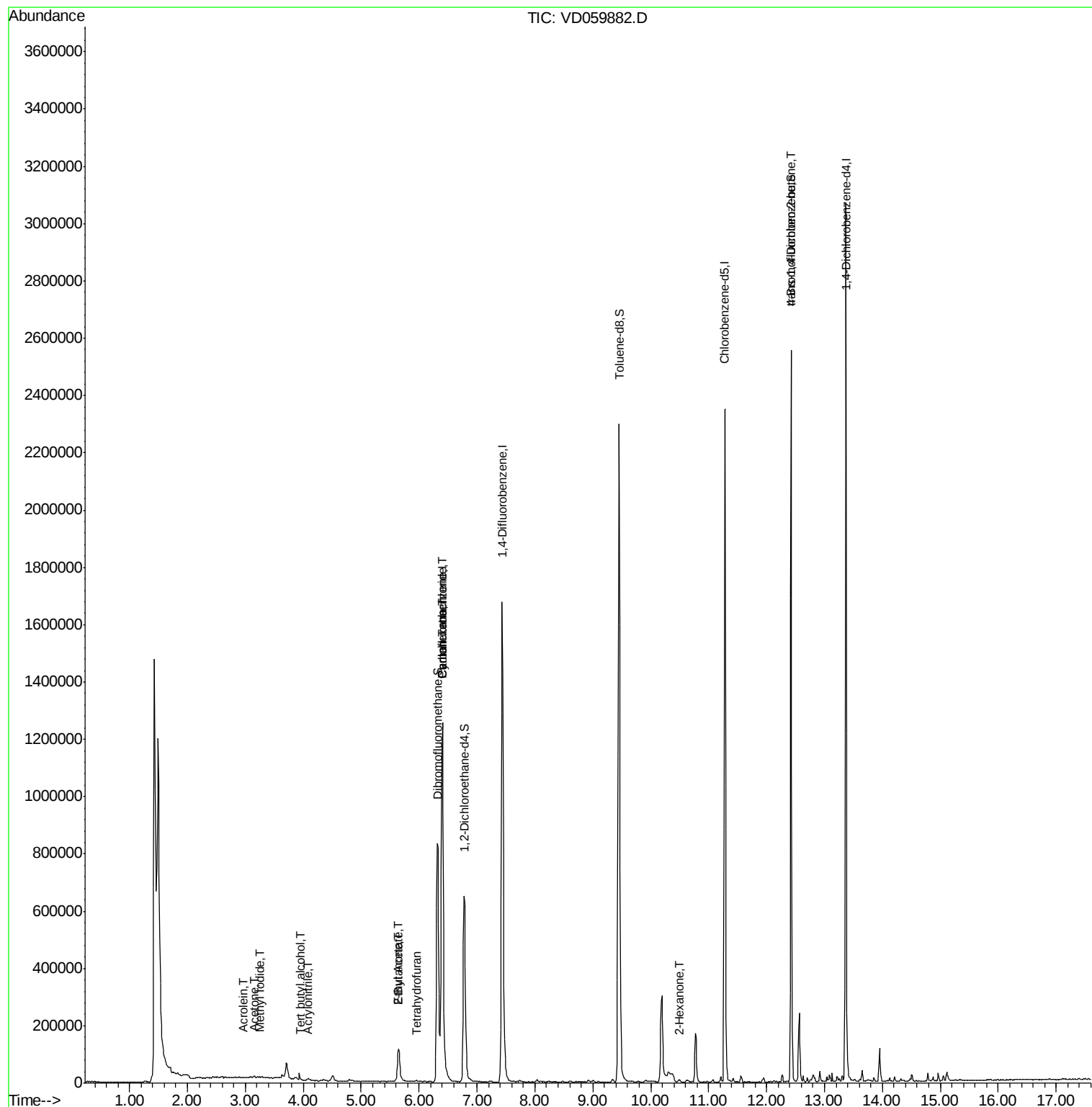
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.24	142	2787	3.921	ug/l #	79
11) Tert butyl alcohol	3.96	59	1662	2.175	ug/l #	75
13) Acrolein	2.98	56	735	2.218	ug/l #	44
15) Acrylonitrile	4.08	53	4057	1.418	ug/l #	82
16) Acetone	3.16	43	5758	3.156	ug/l #	90
20) Methylene Chloride	3.71	84	33191	Below Cal		89
25) 2-Butanone	5.64	43	15556	2.879	ug/l #	90
29) Tetrahydrofuran	5.96	42	7104	2.762	ug/l #	68
31) Cyclohexane	6.39	56	27914	1.464	ug/l #	1
37) Ethyl Acetate	5.64	43	16675	1.405	ug/l #	46
38) Carbon Tetrachloride	6.40	117	101174	6.571	ug/l #	15
59) 2-Hexanone	10.49	43	11232	1.322	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.43	75	288774	84.342	ug/l #	12
89) n-Butylbenzene	13.65	91	11797	Below Cal		88

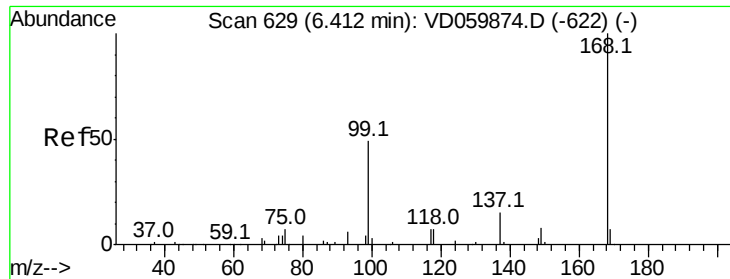
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082318\
Data File : VD059882.D
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Quant Time: Aug 23 14:41:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 628

Delta R.T. -0.01 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

Instrument :

MSVOA_D

ClientSampleId :

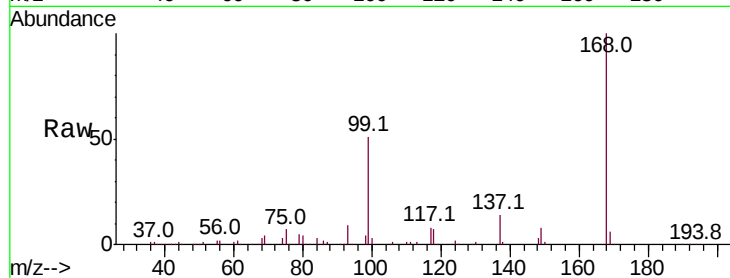
VD0823SBL01

Tot Ion:168 Resp: 1187951

Ion Ratio Lower Upper

168 100

99 51.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.40

500000

400000

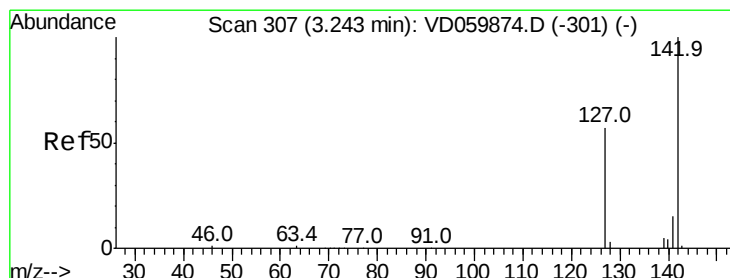
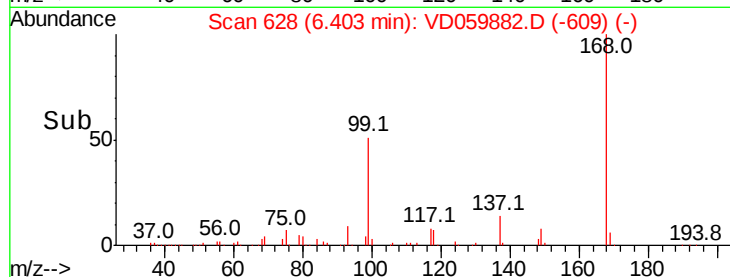
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 3.921 ug/l

RT: 3.24 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

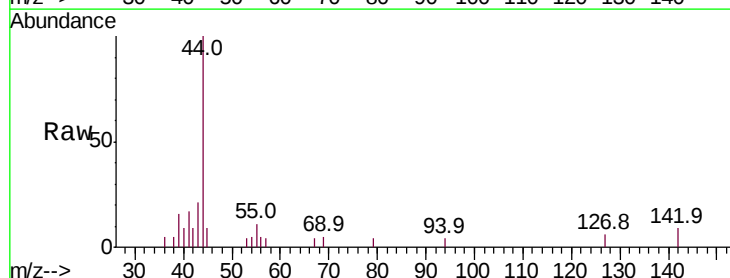
Tgt Ion:142 Resp: 2787

Ion Ratio Lower Upper

142 100

127 69.7 45.8 68.6#

141 0.0 11.6 17.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.24

1000

800

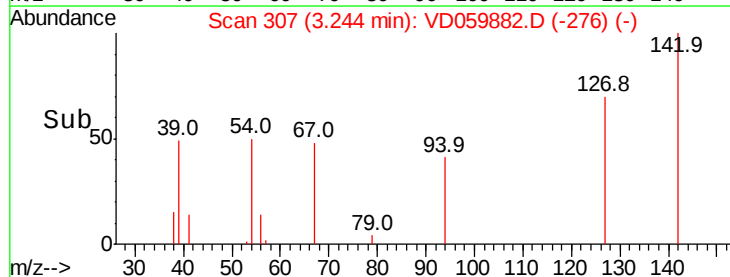
600

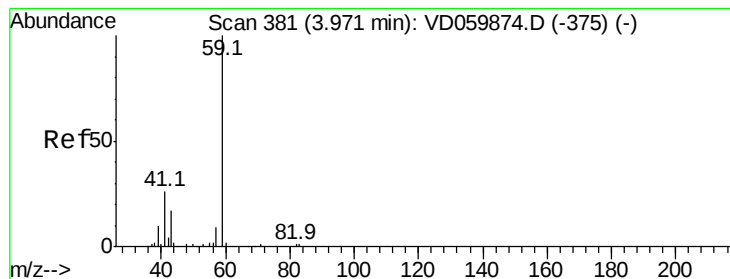
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 2.175 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

Instrument :

MSVOA_D

ClientSampleId :

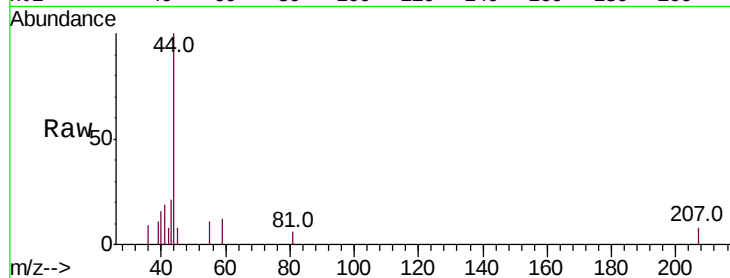
VD0823SBL01

Tot Ion: 59 Resp: 1662

Ion Ratio Lower Upper

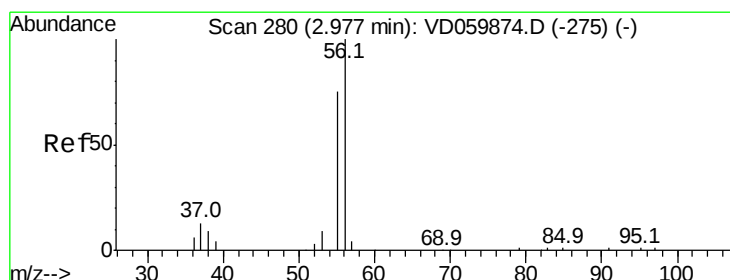
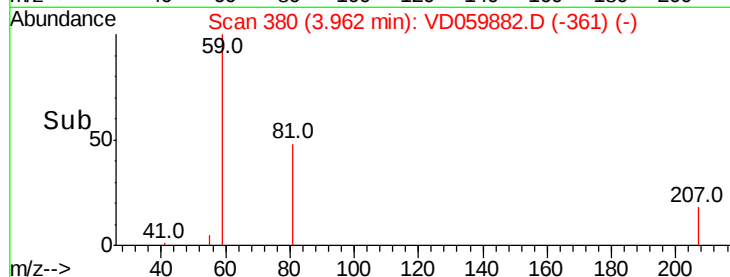
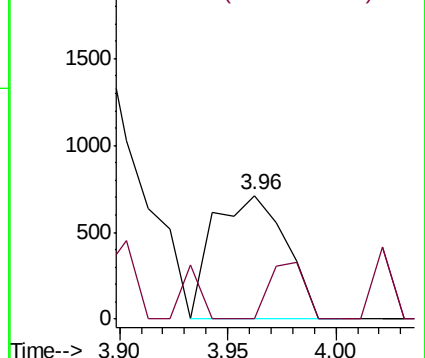
59 100

57 0.0 7.4 11.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#13

Acrolein

Concen: 2.218 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059882.D

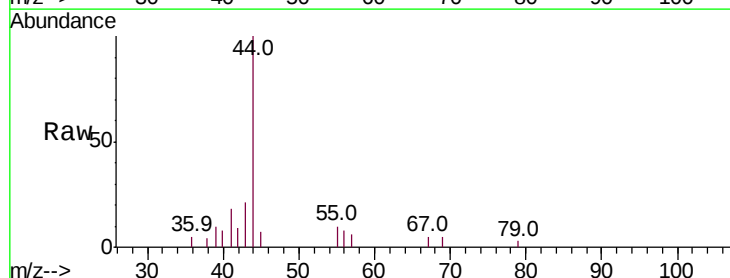
Acq: 23 Aug 2018 12:12

Tgt Ion: 56 Resp: 735

Ion Ratio Lower Upper

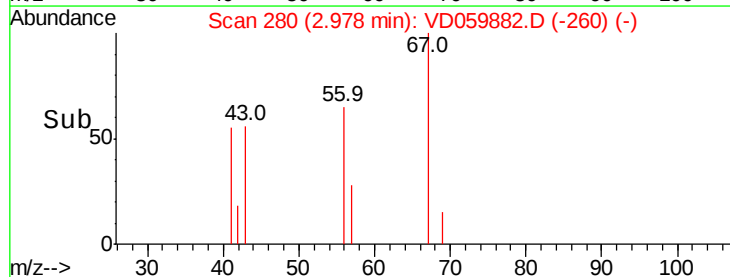
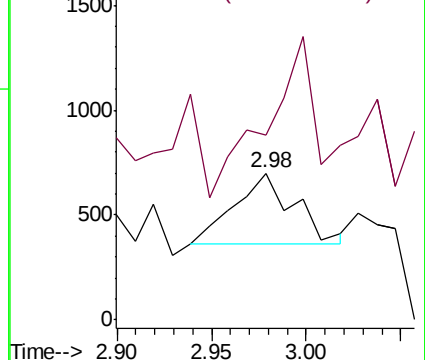
56 100

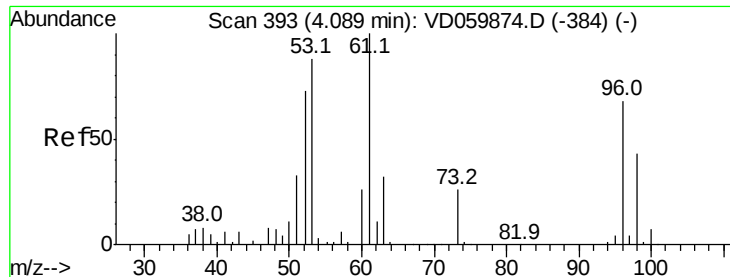
55 125.8 61.9 92.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 1.418 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBL01

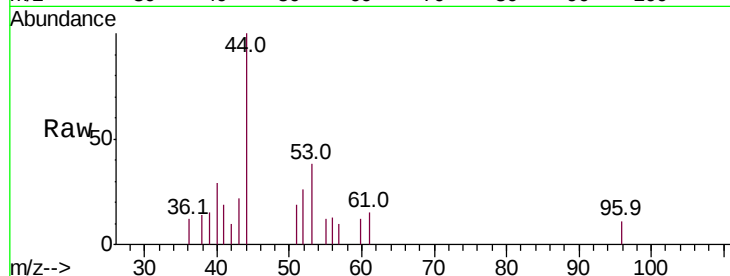
Tot Ion: 53 Resp: 4057

Ion Ratio Lower Upper

53 100

52 68.6 66.9 100.3

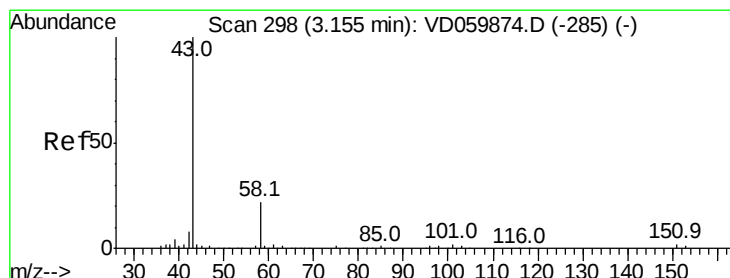
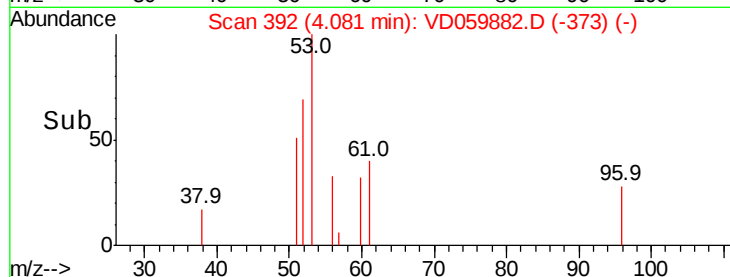
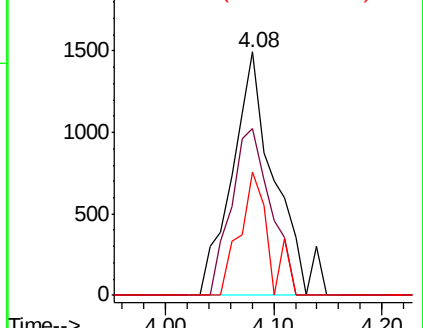
51 50.8 30.3 45.5#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 3.156 ug/l

RT: 3.16 min Scan# 298

Delta R.T. 0.00 min

Lab File: VD059882.D

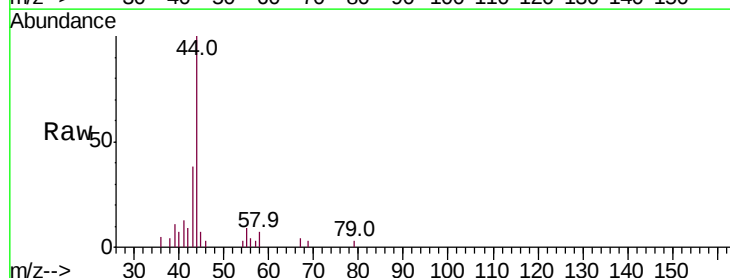
Acq: 23 Aug 2018 12:12

Tgt Ion: 43 Resp: 5758

Ion Ratio Lower Upper

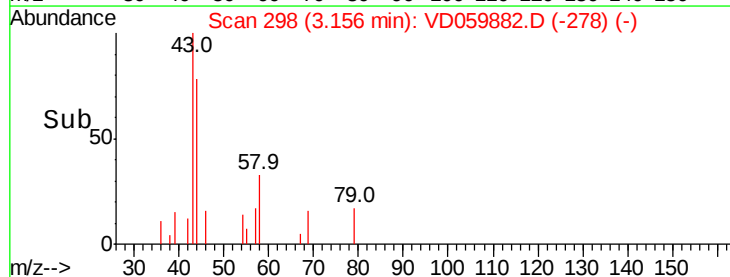
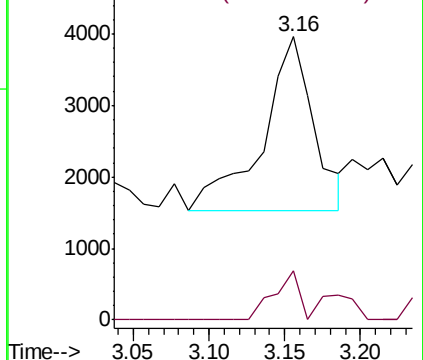
43 100

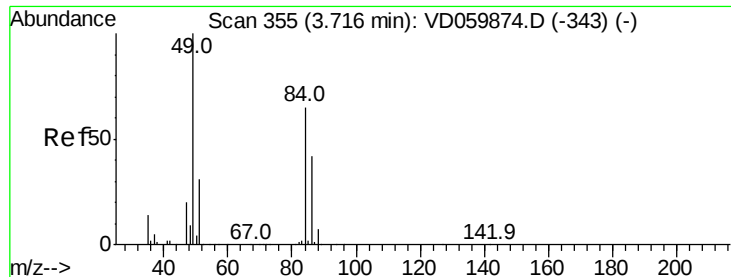
58 17.3 17.6 26.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

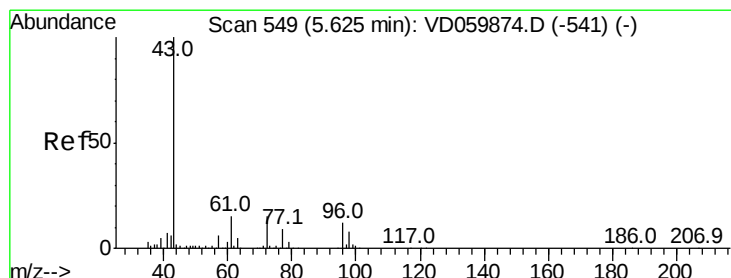
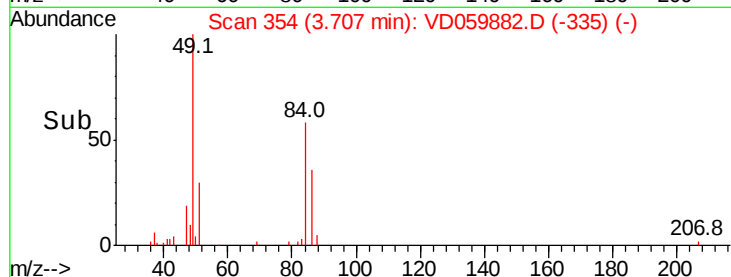
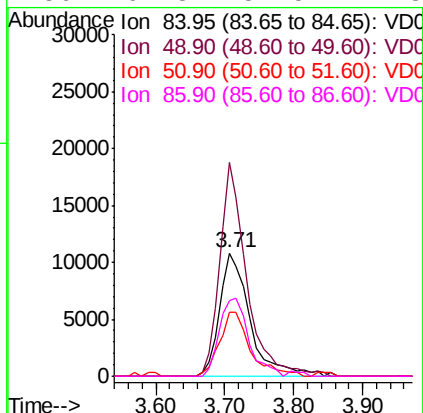
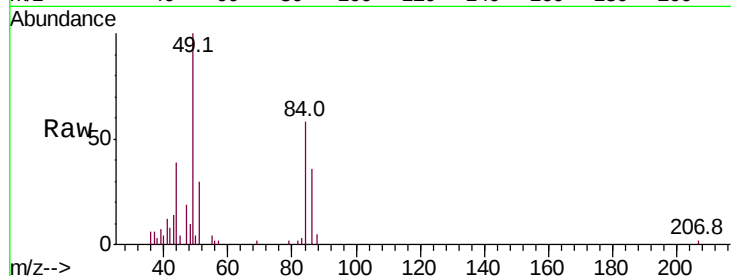




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.71 min Scan# 354
Delta R.T. -0.01 min
Lab File: VD059882.D
Acq: 23 Aug 2018 12:12

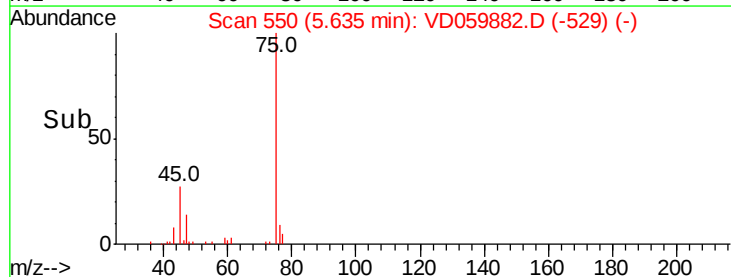
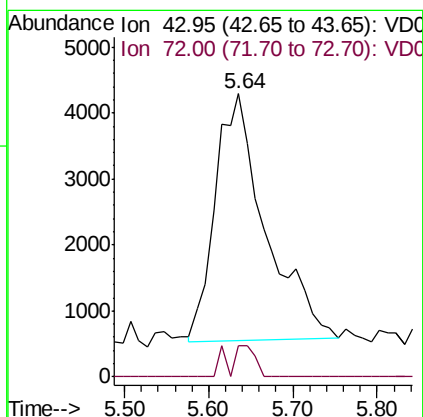
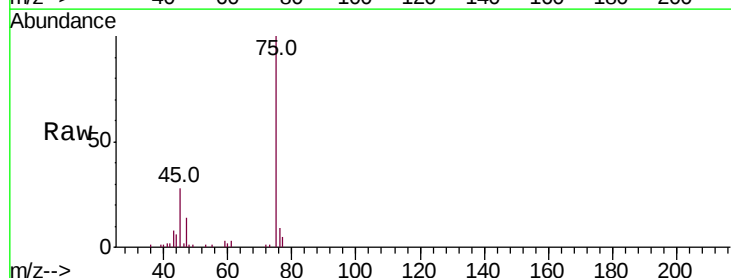
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

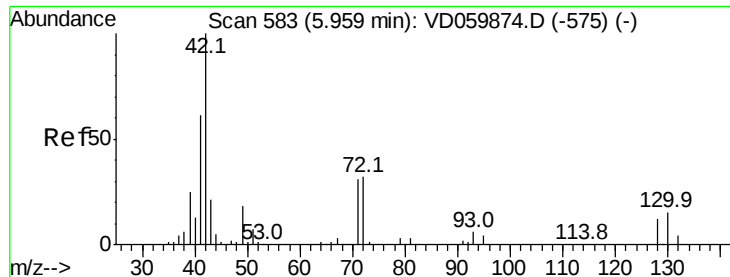
Tot Ion: 84 Resp: 33191
Ion Ratio Lower Upper
84 100
49 173.5 122.6 183.8
51 52.2 38.4 57.6
86 61.8 51.5 77.3



#25
2-Butanone
Concen: 2.879 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.01 min
Lab File: VD059882.D
Acq: 23 Aug 2018 12:12

Tgt Ion: 43 Resp: 15556
Ion Ratio Lower Upper
43 100
72 11.0 12.3 18.5#





#29

Tetrahydrofuran

Concen: 2.762 ug/l

RT: 5.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBL01

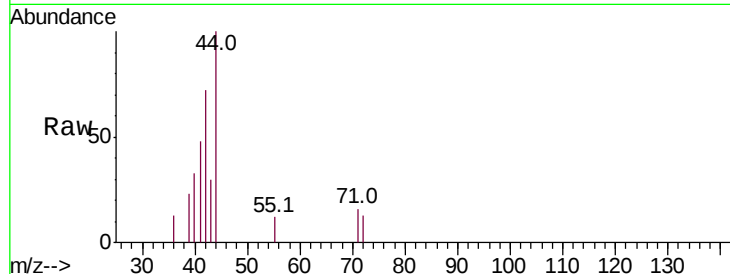
Tot Ion: 42 Resp: 7104

Ion Ratio Lower Upper

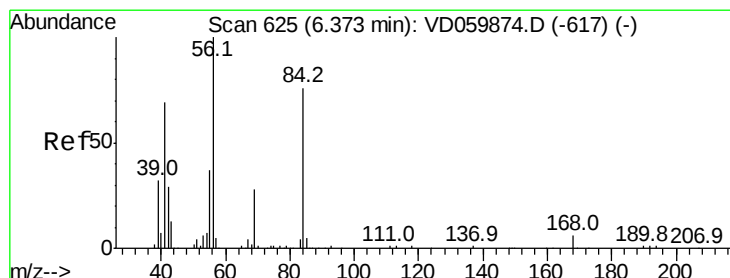
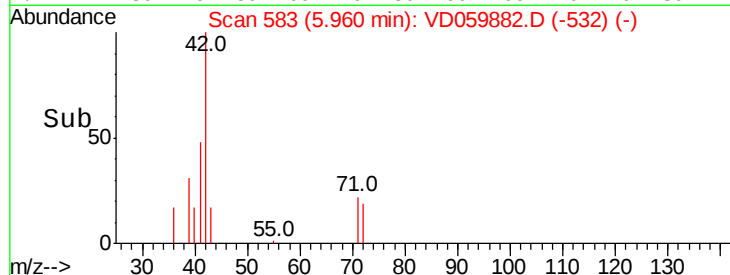
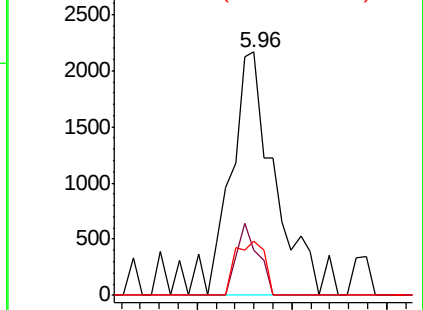
42 100

72 14.2 25.7 38.5#

71 14.2 25.3 37.9#



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: 1.464 ug/l

RT: 6.39 min Scan# 627

Delta R.T. 0.02 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

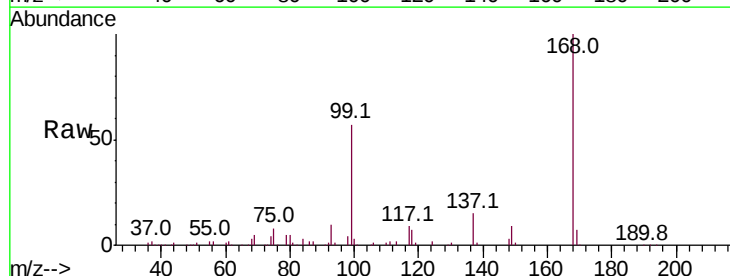
Tgt Ion: 56 Resp: 27914

Ion Ratio Lower Upper

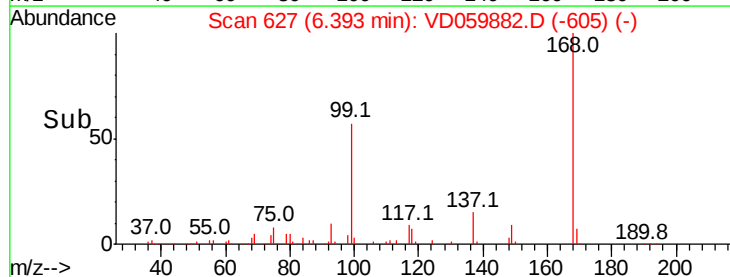
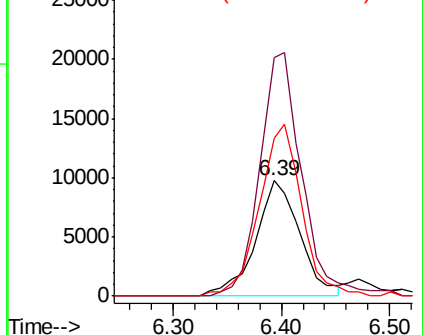
56 100

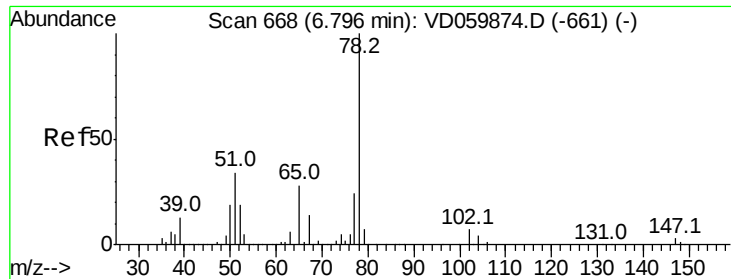
69 206.3 22.4 33.6#

84 136.2 62.1 93.1#



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

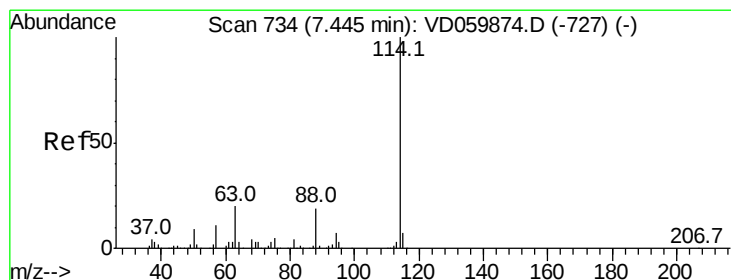
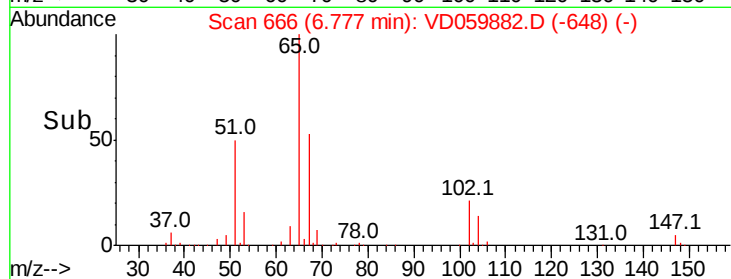
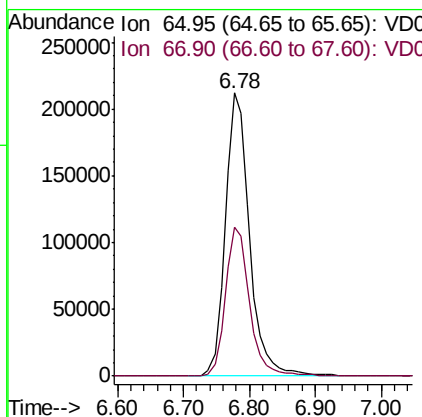
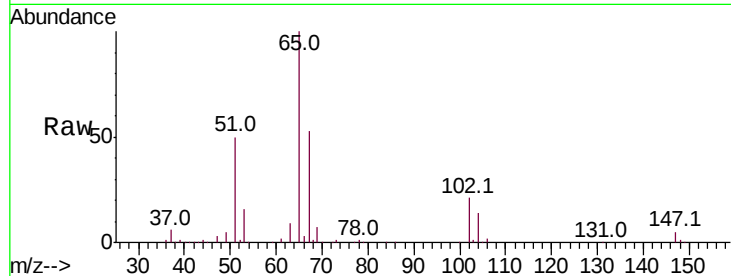




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.78 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VD059882.D
 Acq: 23 Aug 2018 12:12

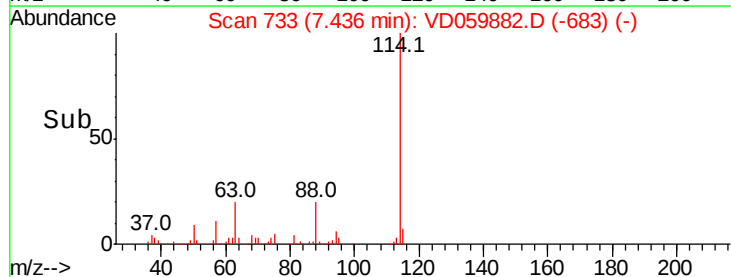
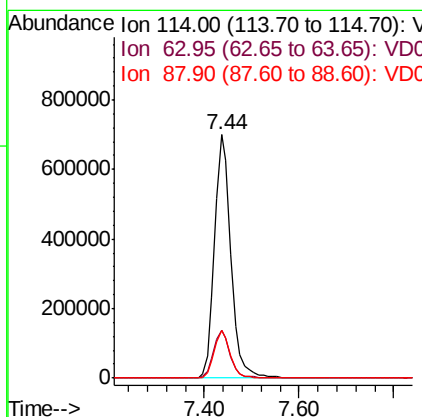
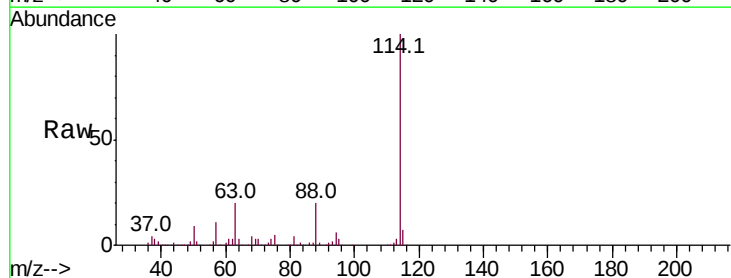
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBL01

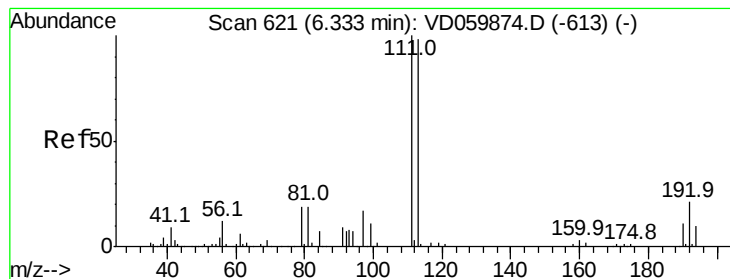
Tot Ion: 65 Resp: 543740
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VD059882.D
 Acq: 23 Aug 2018 12:12

Tgt Ion:114 Resp: 1683056
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 19.5 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 619

Delta R.T. -0.02 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBL01

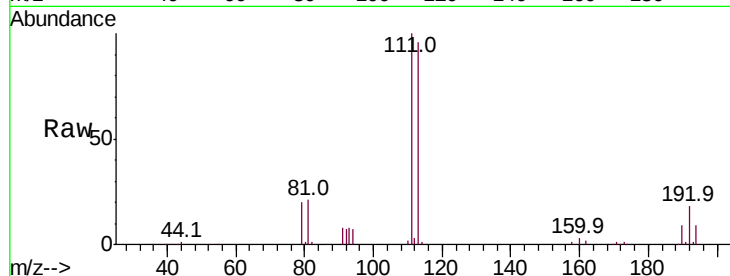
Tot Ion:113 Resp: 683899

Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.2

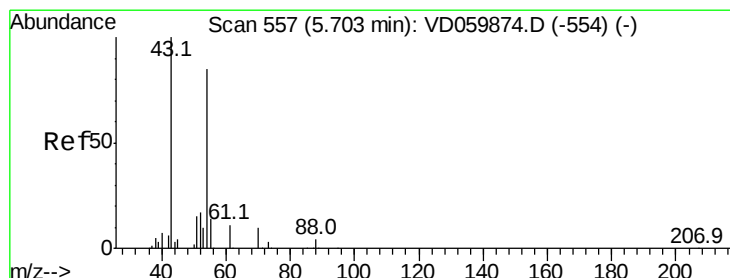
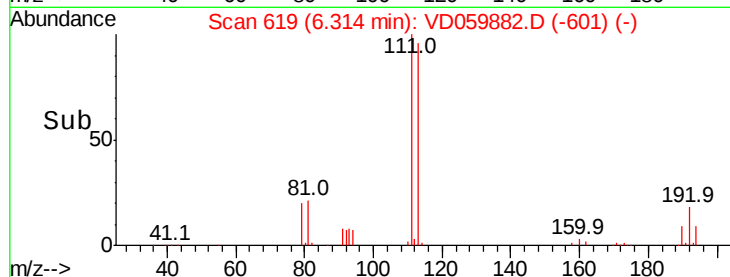
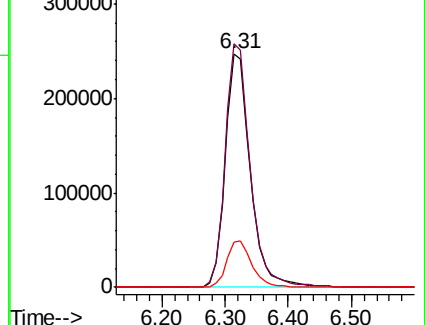
192 19.1 17.0 25.6



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



#37

Ethyl Acetate

Concen: 1.405 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.07 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

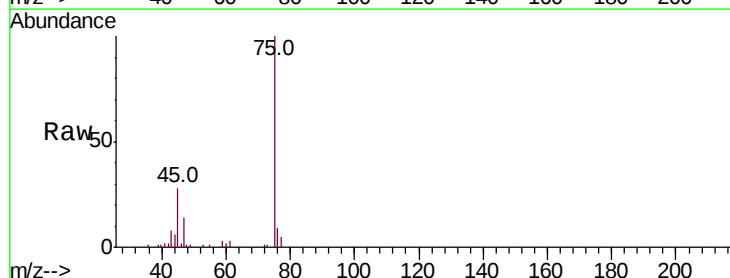
Tgt Ion: 43 Resp: 16675

Ion Ratio Lower Upper

43 100

61 42.4 11.0 16.6#

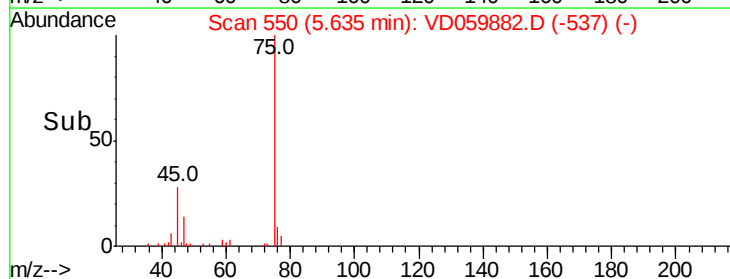
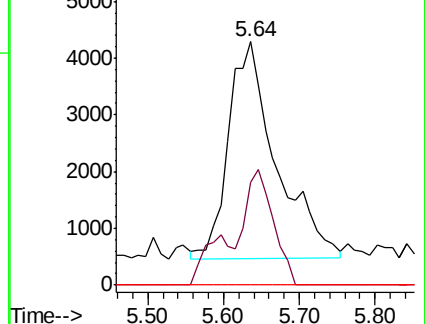
70 0.0 5.7 8.5#

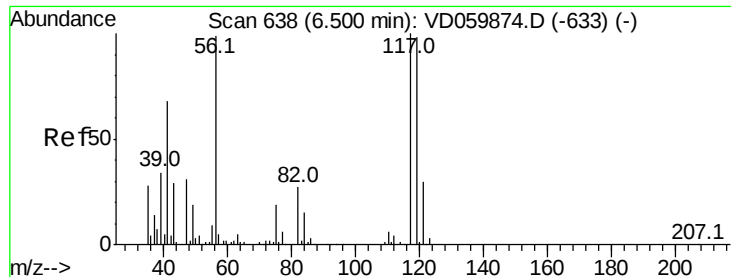


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.571 ug/l

RT: 6.40 min Scan# 628

Delta R.T. -0.10 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBL01

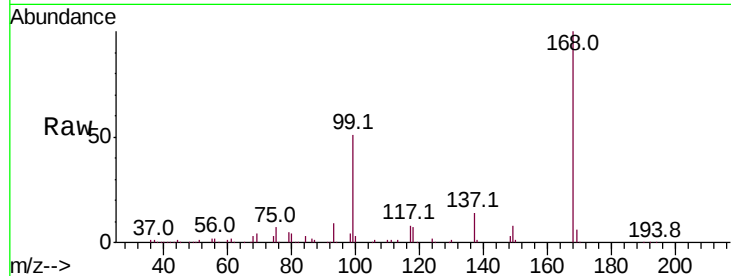
Tot Ion:117 Resp: 101174

Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

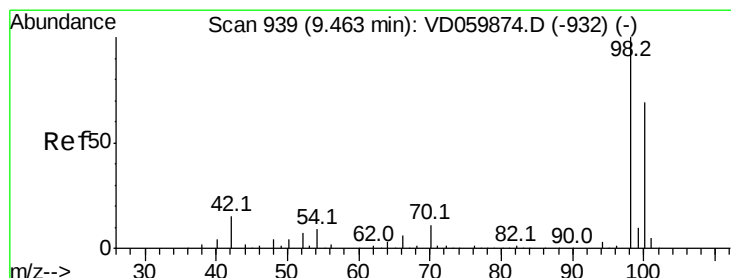
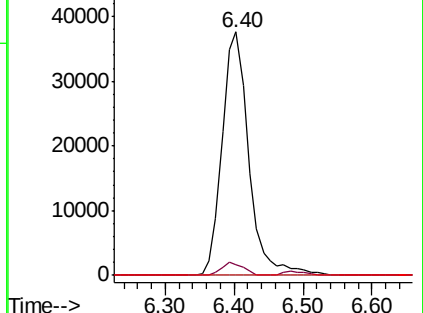
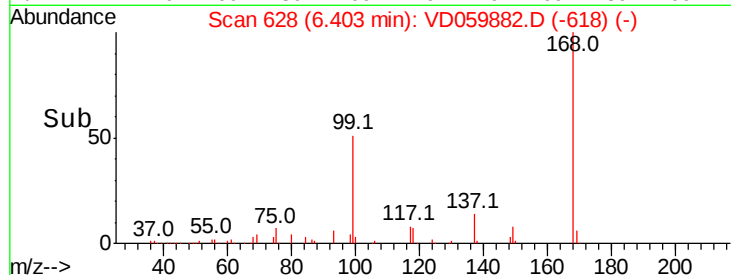
121 0.0 24.0 36.0#



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: 9.45 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059882.D

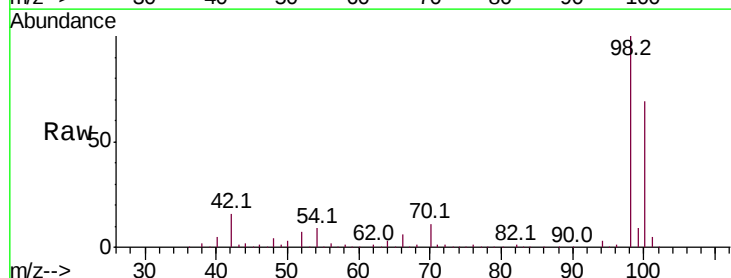
Acq: 23 Aug 2018 12:12

Tgt Ion: 98 Resp: 1874132

Ion Ratio Lower Upper

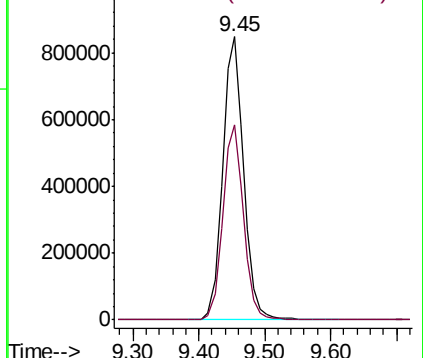
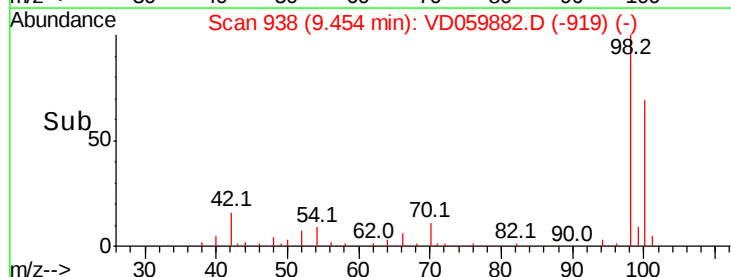
98 100

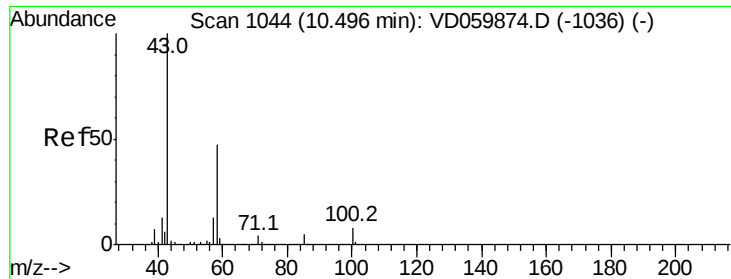
100 69.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#59

2-Hexanone

Concen: 1.322 ug/l

RT: 10.49 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

Instrument :

MSVOA_D

ClientSampleId :

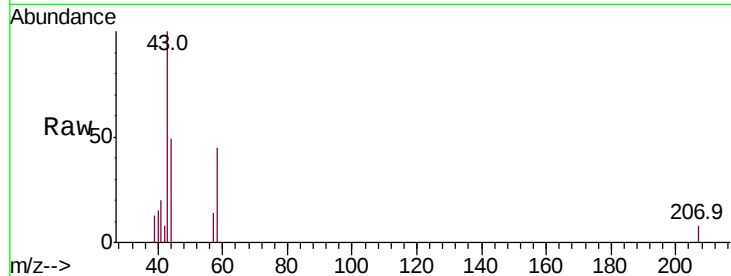
VD0823SBL01

Tot Ion: 43 Resp: 11232

Ion Ratio Lower Upper

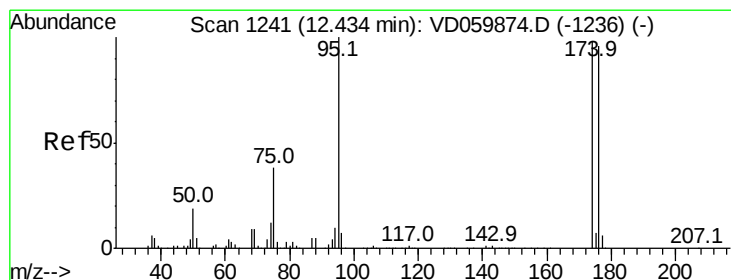
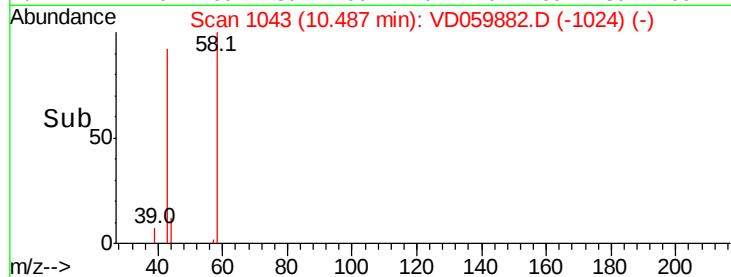
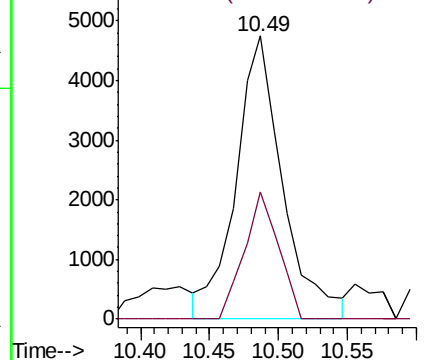
43 100

58 45.1 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059882.D

Acq: 23 Aug 2018 12:12

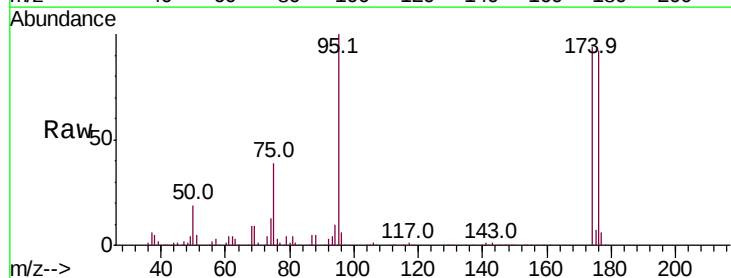
Tgt Ion: 95 Resp: 703682

Ion Ratio Lower Upper

95 100

174 93.7 0.0 195.6

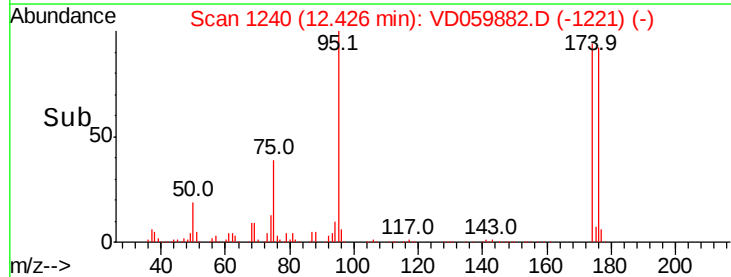
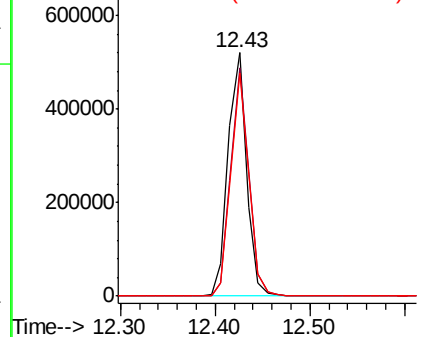
176 91.7 0.0 191.2

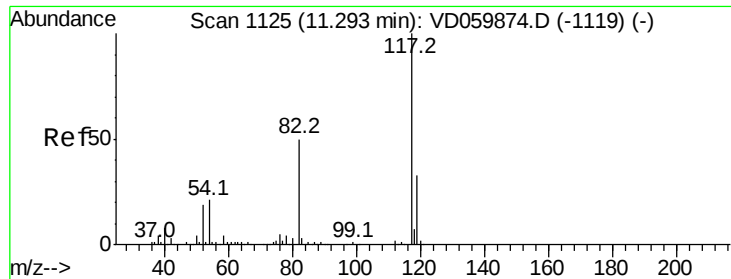


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

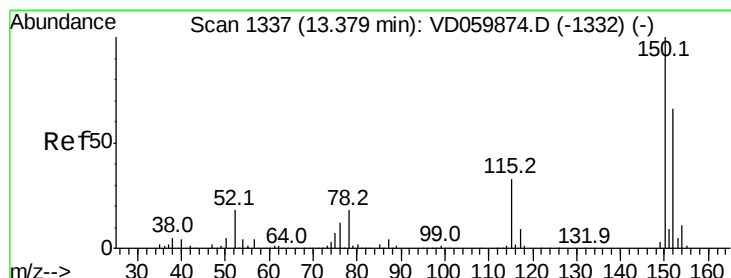
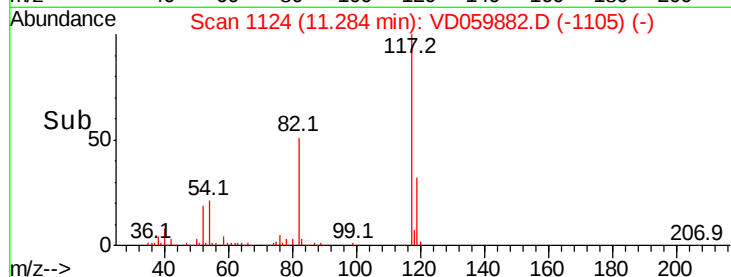
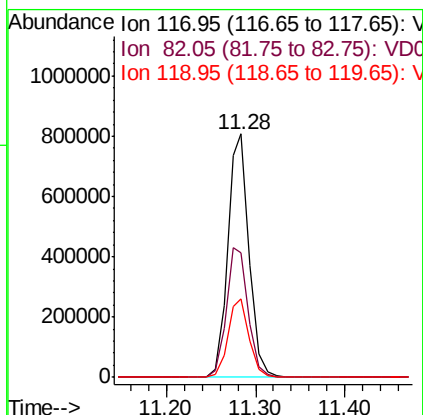
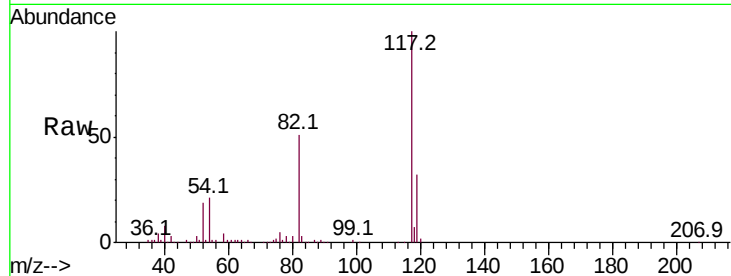




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059882.D
Acq: 23 Aug 2018 12:12

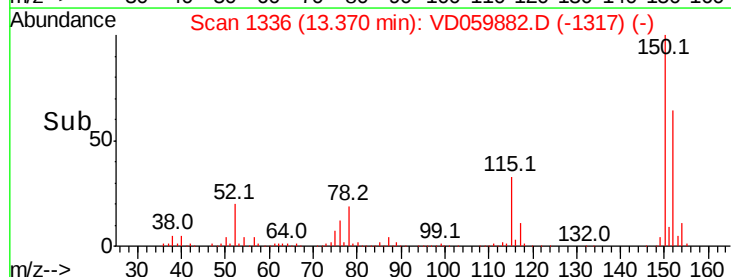
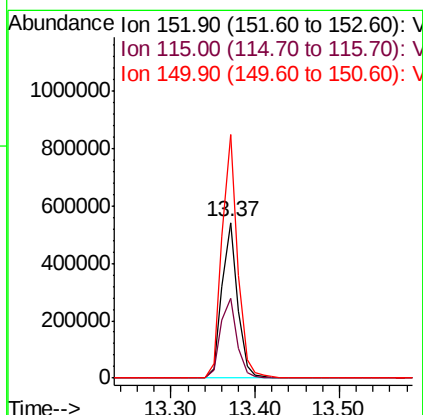
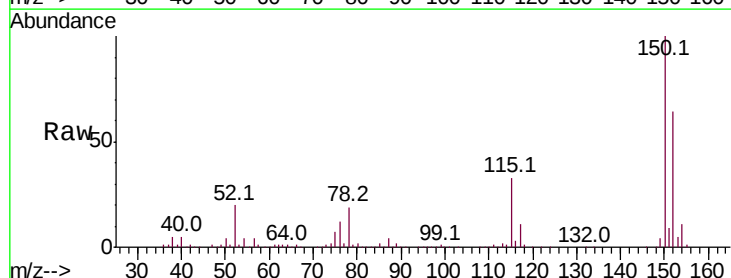
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

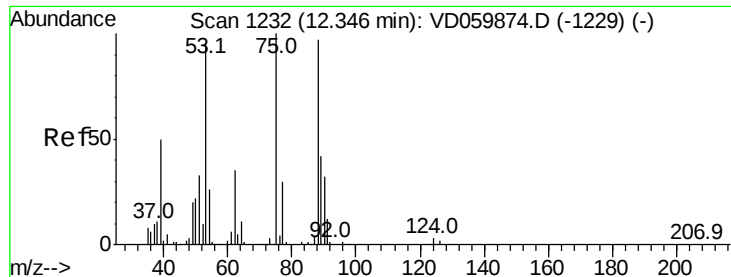
Tot Ion:117 Resp: 1356841
Ion Ratio Lower Upper
117 100
82 50.9 40.1 60.1
119 32.4 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059882.D
Acq: 23 Aug 2018 12:12

Tgt Ion:152 Resp: 708190
Ion Ratio Lower Upper
152 100
115 51.5 25.7 77.0
150 156.2 0.0 310.2





#81
trans-1,4-Dichloro-2-butene
Concen: 84.342 ug/l
RT: 12.43 min Scan# 1240
Delta R.T. 0.08 min
Lab File: VD059882.D
Acq: 23 Aug 2018 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBL01

Tot Ion: 75 Resp: 288774
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.6#
89 0.0 33.6 50.4#

