

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062944.D
 Acq On : 27 Jun 2019 21:01
 Operator : VA/AP
 Sample : K3552-10
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:23:12 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	7.02	168	60438	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	119074	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	110702	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	69296	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	64617	98.36	ug/l	-0.04
Spiked Amount 50.000			Recovery =	196.72%		
35) Dibromofluoromethane	6.90	113	47026	46.84	ug/l	-0.03
Spiked Amount 50.000			Recovery =	93.68%		
50) Toluene-d8	10.38	98	84500	38.67	ug/l	-0.03
Spiked Amount 50.000			Recovery =	77.34%		
62) 4-Bromofluorobenzene	13.54	95	43661	43.94	ug/l	-0.01
Spiked Amount 50.000			Recovery =	87.88%		

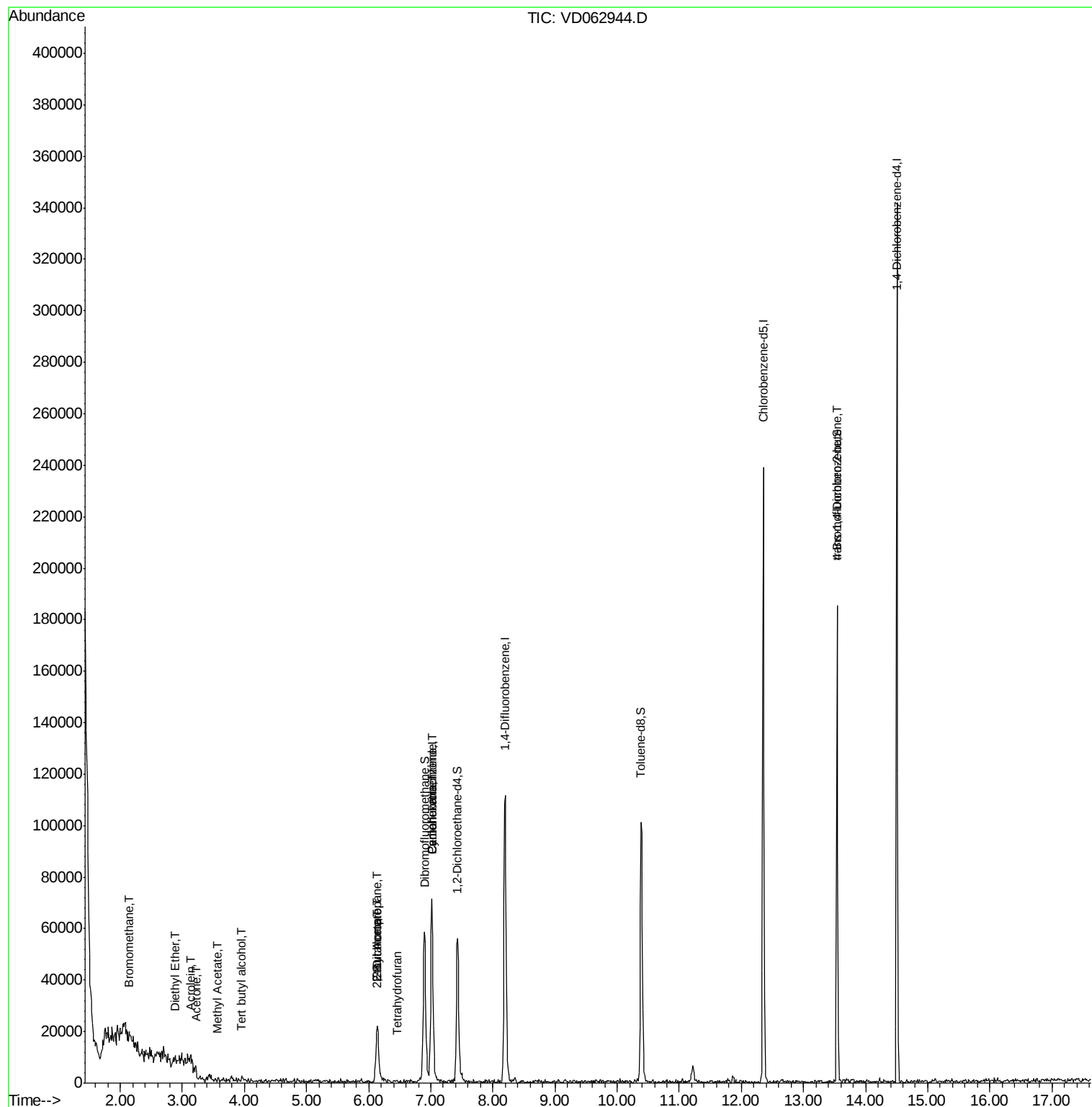
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1920	7.030	ug/l #	13
8) Diethyl Ether	2.88	74	194	1.294	ug/l	75
11) Tert butyl alcohol	3.95	59	1322	44.184	ug/l #	77
13) Acrolein	3.13	56	249	8.152	ug/l #	15
16) Acetone	3.21	43	7514	50.828	ug/l #	64
18) Methyl Acetate	3.58	43	516	2.602	ug/l #	58
25) 2-Butanone	6.14	43	1290	10.499	ug/l #	64
26) 2,2-Dichloropropane	6.12	77	1231	1.238	ug/l #	58
29) Tetrahydrofuran	6.46	42	182	3.131	ug/l #	33
31) Cyclohexane	7.01	56	1073	1.739	ug/l #	1
37) Ethyl Acetate	6.14	43	1290	1.660	ug/l #	35
38) Carbon Tetrachloride	7.03	117	6040	3.563	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.54	75	23389	111.556	ug/l #	2

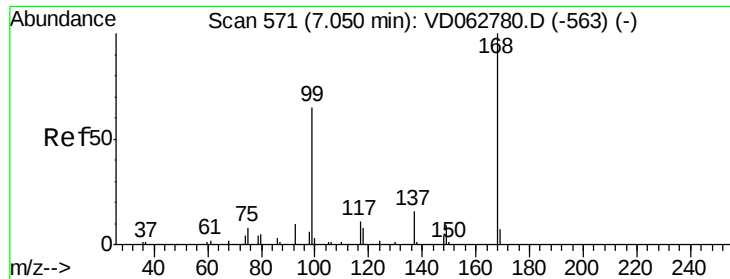
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062944.D

Acq: 27 Jun 2019 21:01

Instrument :

MSVOA_D

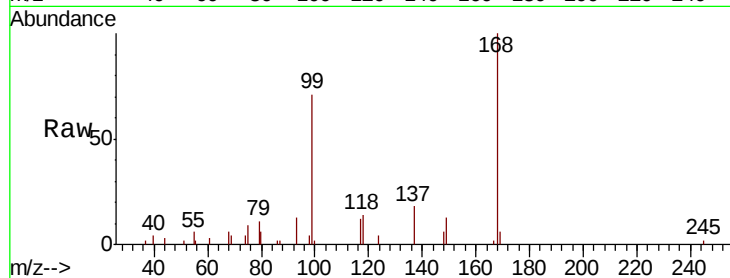
ClientSampleId :

Tot Ion:168 Resp: 60438

Ion Ratio Lower Upper

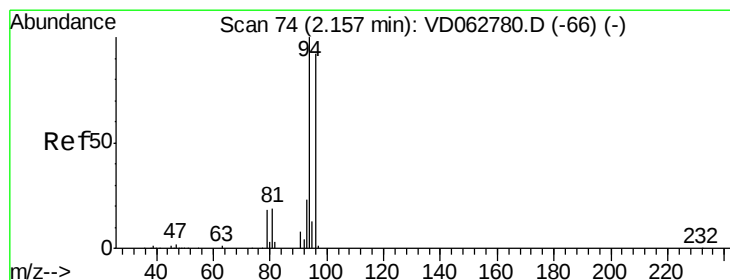
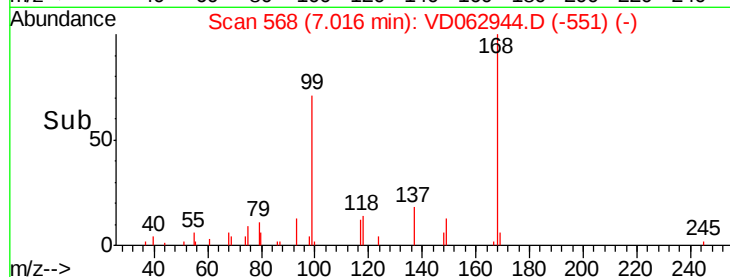
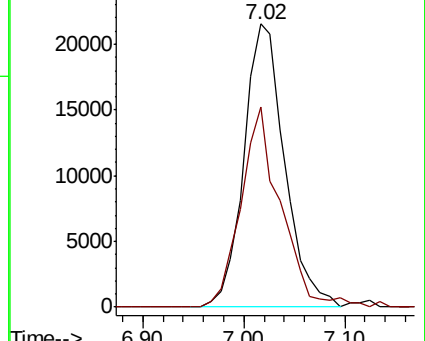
168 100

99 70.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 7.030 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062944.D

Acq: 27 Jun 2019 21:01

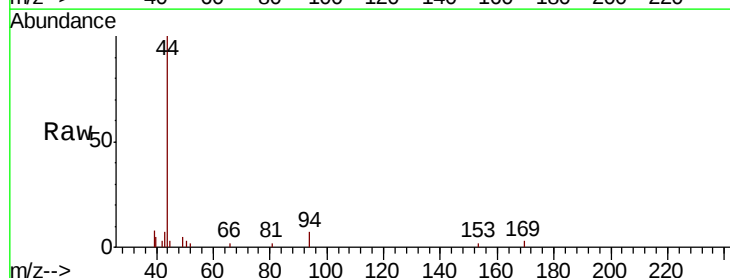
Tgt Ion: 94 Resp: 1920

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

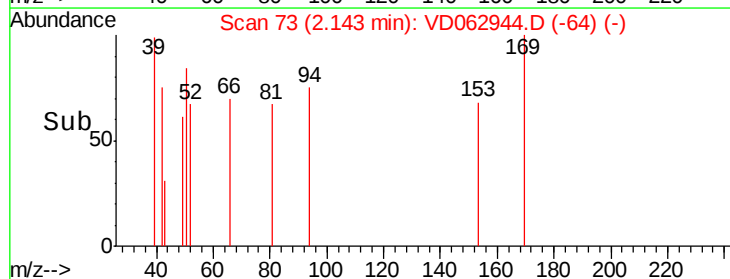
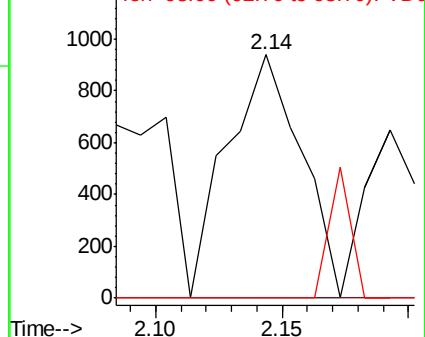
93 0.0 18.2 27.4#

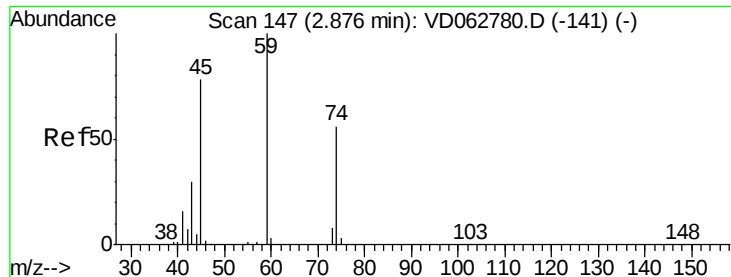


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.294 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD062944.D

Acq: 27 Jun 2019 21:01

Instrument :

MSVOA_D

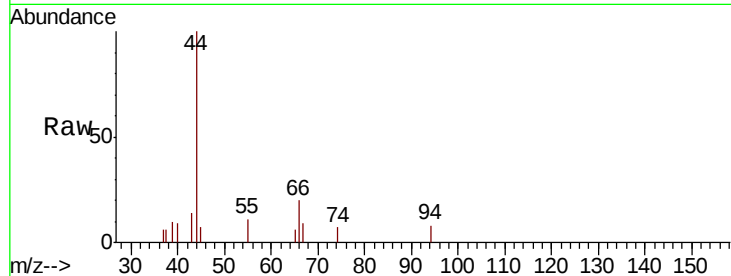
ClientSampleId :

Tot Ion: 74 Resp: 194

Ion Ratio Lower Upper

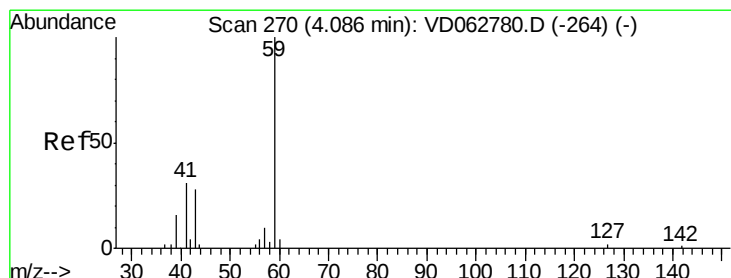
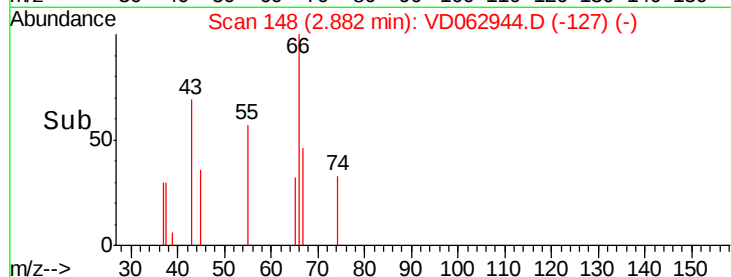
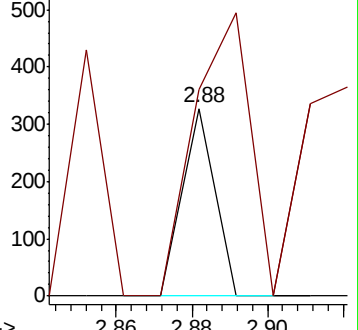
74 100

45 110.1 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 44.184 ug/l

RT: 3.95 min Scan# 257

Delta R.T. -0.13 min

Lab File: VD062944.D

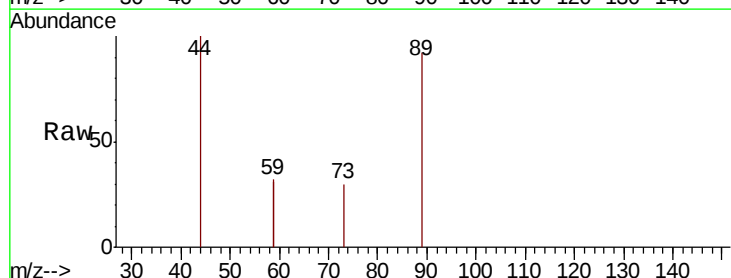
Acq: 27 Jun 2019 21:01

Tgt Ion: 59 Resp: 1322

Ion Ratio Lower Upper

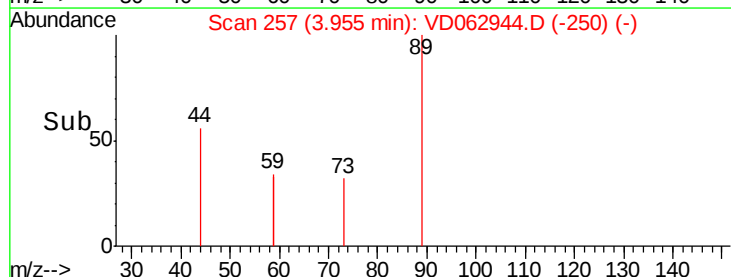
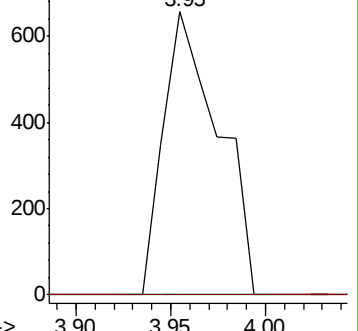
59 100

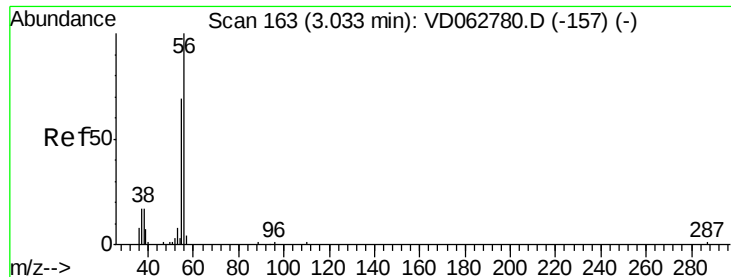
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 8.152 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.09 min

Lab File: VD062944.D

Acq: 27 Jun 2019 21:01

Instrument :

MSVOA_D

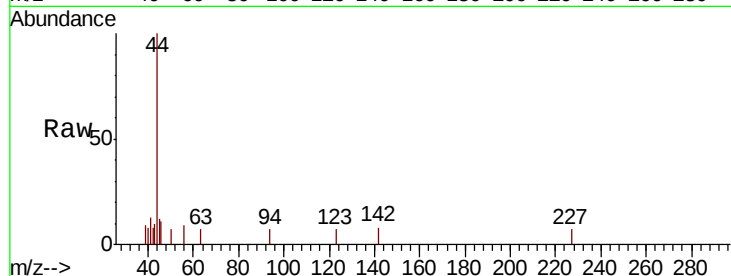
ClientSampled :

Tot Ion: 56 Resp: 249

Ion Ratio Lower Upper

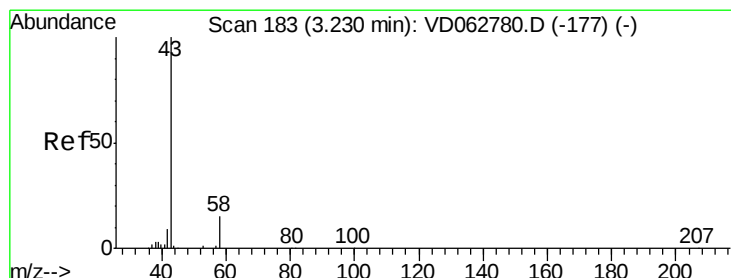
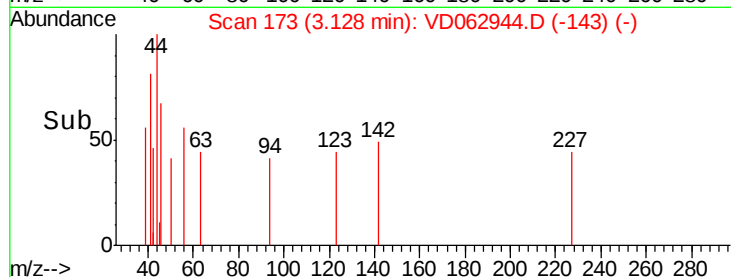
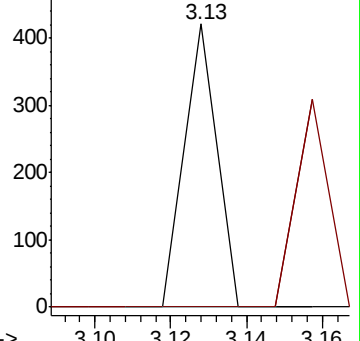
56 100

55 0.0 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: 50.828 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062944.D

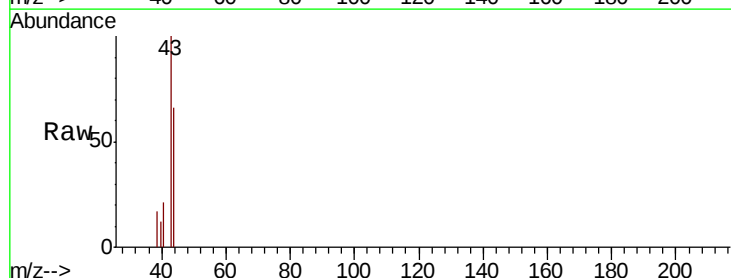
Acq: 27 Jun 2019 21:01

Tgt Ion: 43 Resp: 7514

Ion Ratio Lower Upper

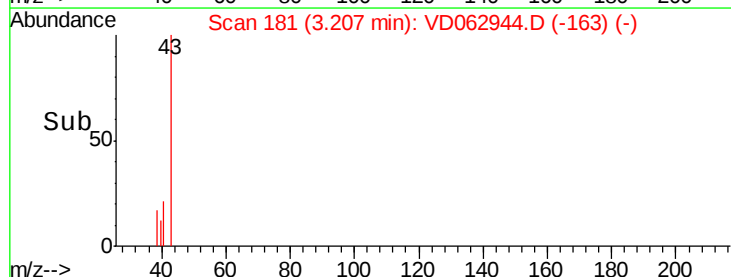
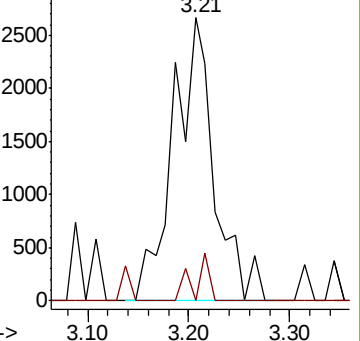
43 100

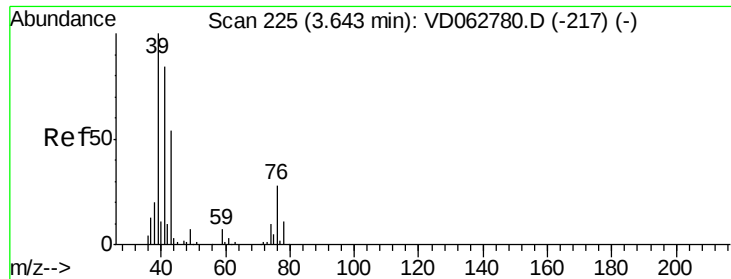
58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

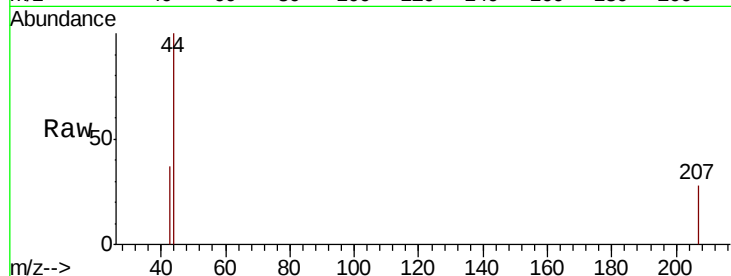




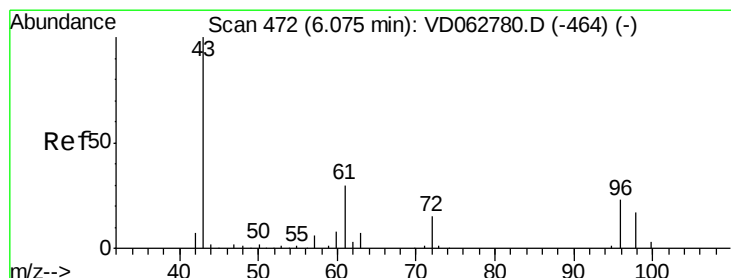
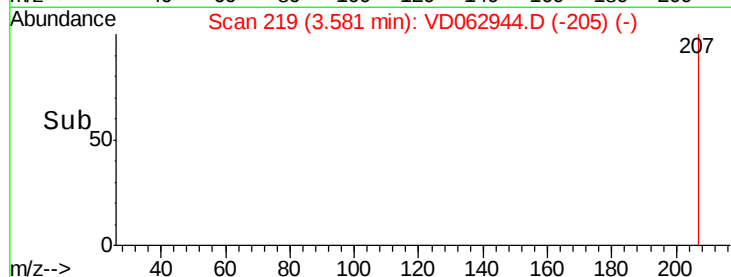
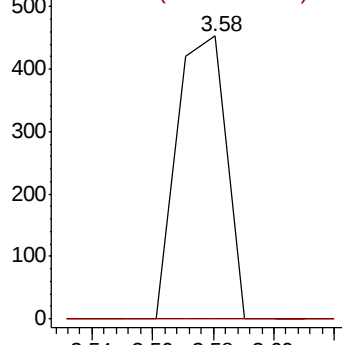
#18
Methvl Acetate
Concen: 2.602 ug/l
RT: 3.58 min Scan# 219
Delta R.T. -0.06 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#

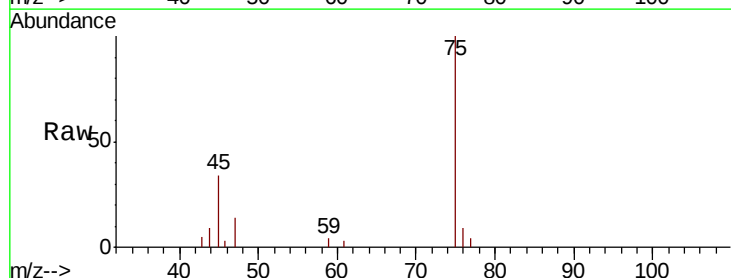


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

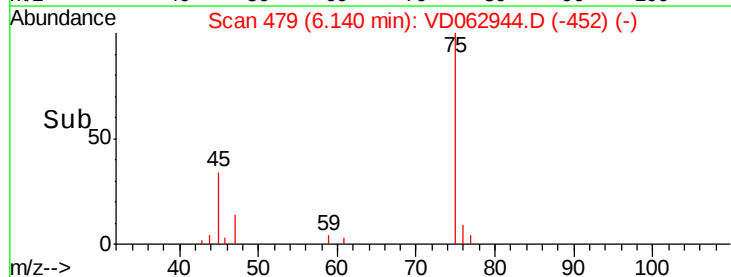
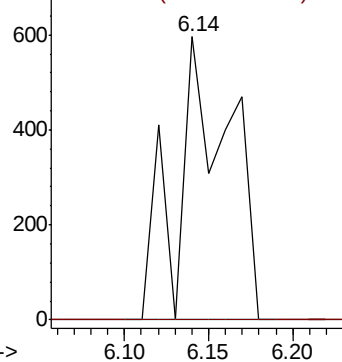


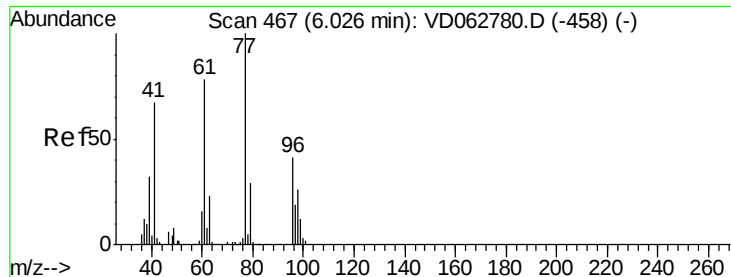
#25
2-Butanone
Concen: 10.499 ug/l
RT: 6.14 min Scan# 479
Delta R.T. 0.07 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Tgt Ion: 43 Resp: 1290
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





#26

2,2-Dichloropropane

Concen: 1.238 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.09 min

Lab File: VD062944.D

Acq: 27 Jun 2019 21:01

Instrument :

MSVOA_D

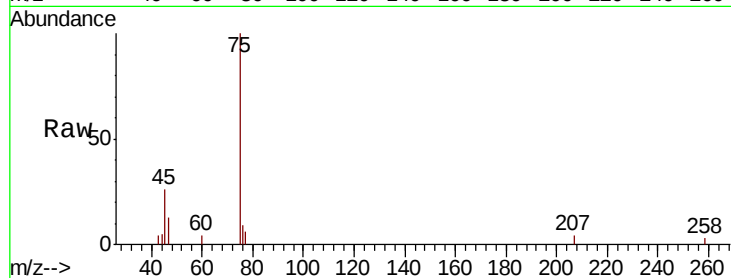
ClientSampleId :

Tot Ion: 77 Resp: 1231

Ion Ratio Lower Upper

77 100

97 0.0 9.5 28.5#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.12

500

400

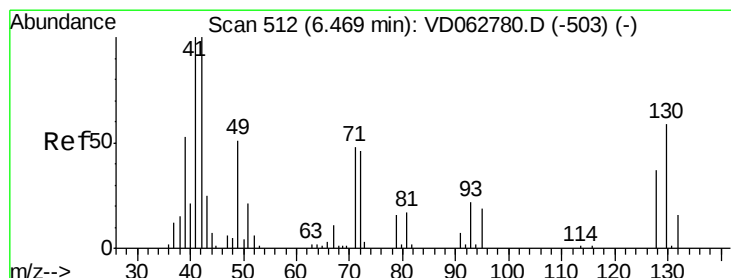
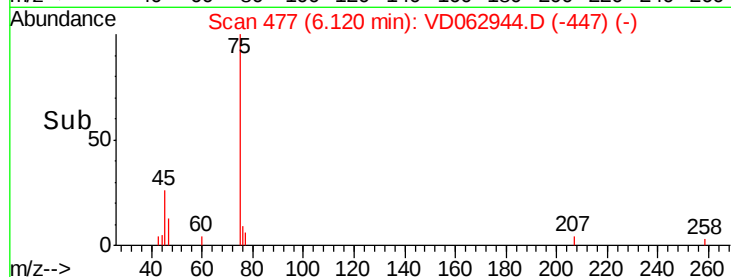
300

200

100

0

Time--> 6.05 6.10 6.15



#29

Tetrahydrofuran

Concen: 3.131 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062944.D

Acq: 27 Jun 2019 21:01

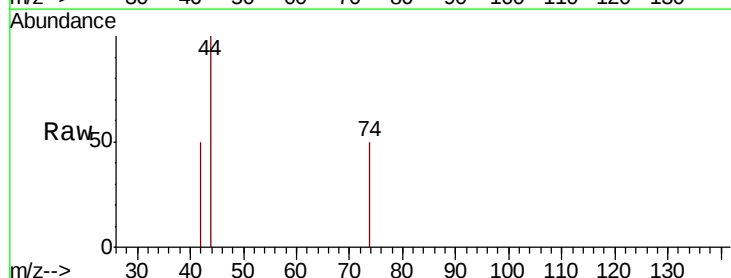
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

71 0.0 33.3 49.9#



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

400

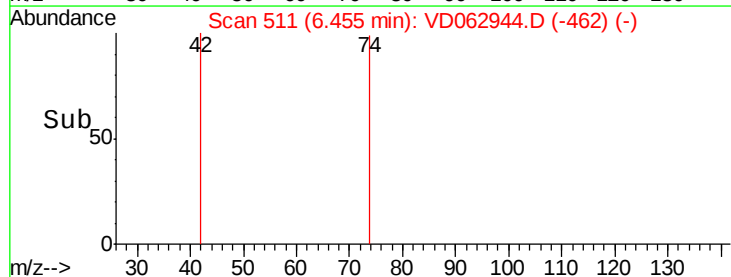
300

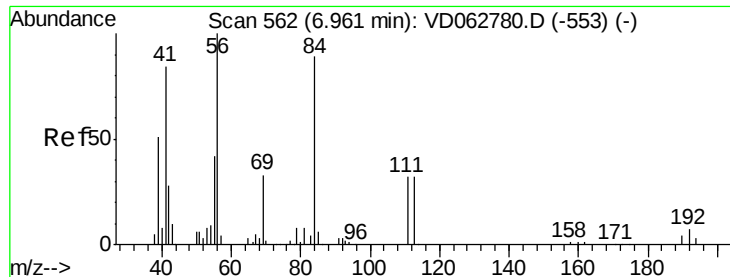
200

100

0

Time--> 6.42 6.44 6.46 6.48

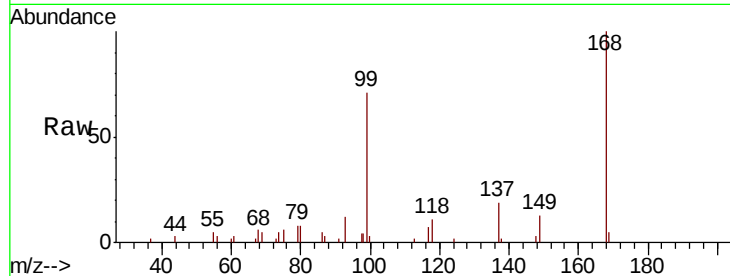




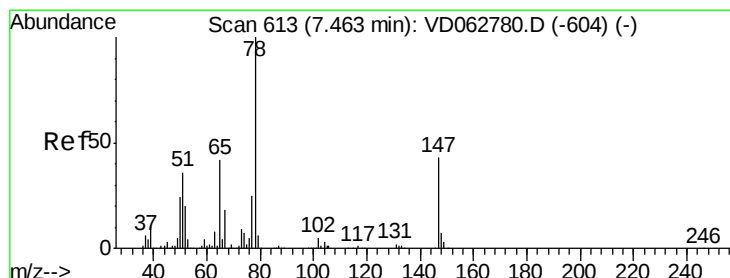
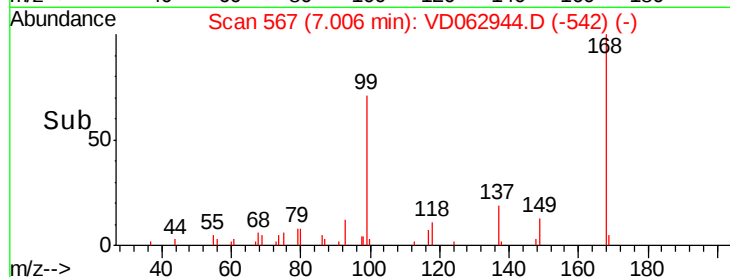
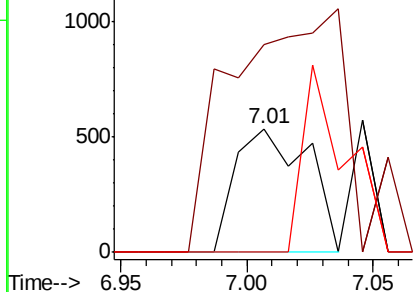
#31
Cyclohexane
Concen: 1.739 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.05 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 1073
Ion Ratio Lower Upper
56 100
69 168.4 26.6 39.8#
84 0.0 75.5 113.3#

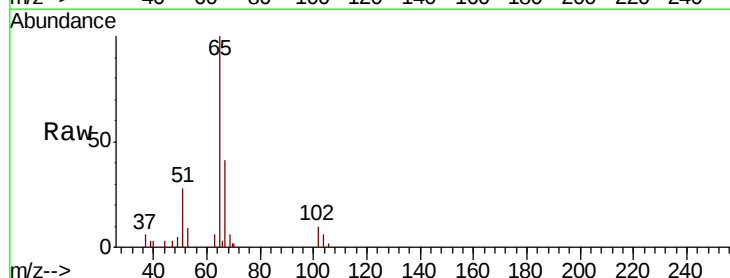


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

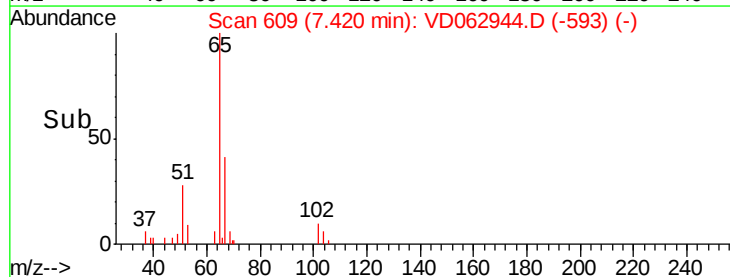
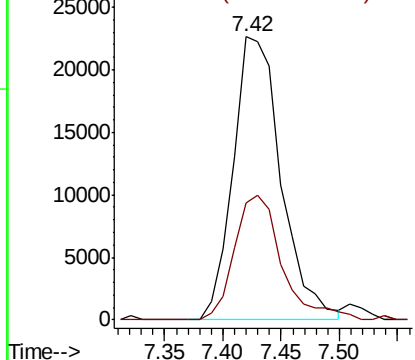


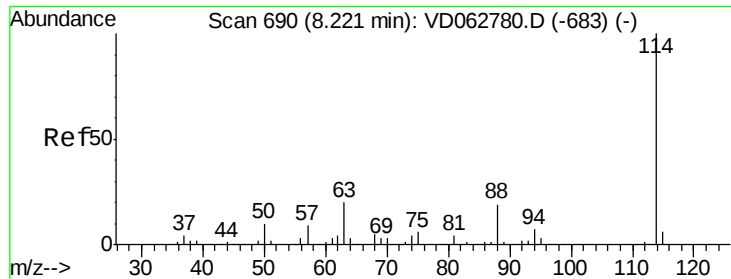
#33
1,2-Dichloroethane-d4
Concen: 98.359 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Tgt Ion: 65 Resp: 64617
Ion Ratio Lower Upper
65 100
67 41.2 0.0 87.4



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

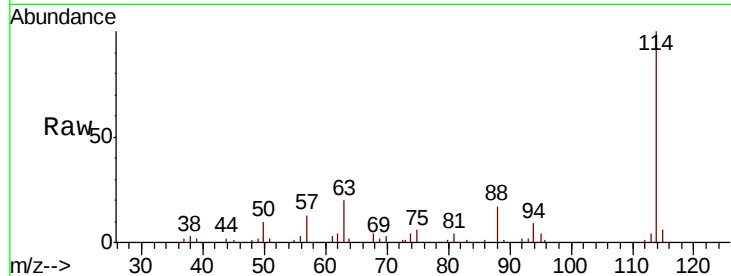




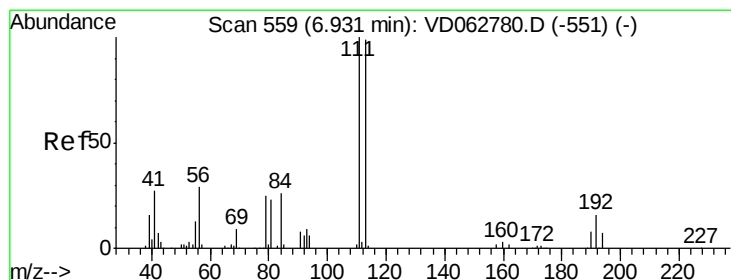
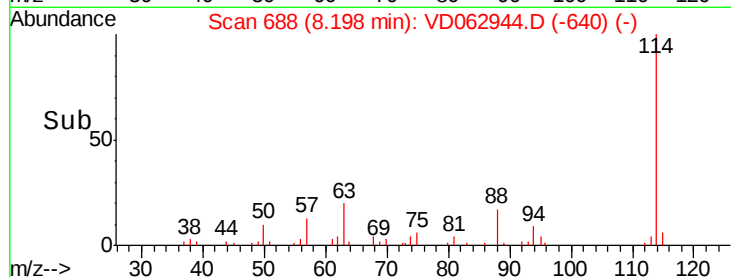
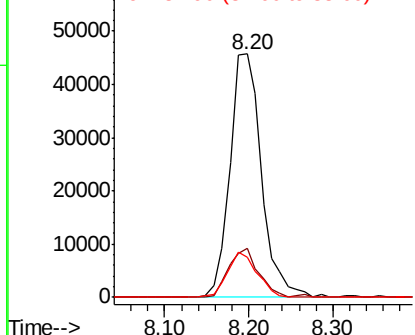
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062944.D
 Acq: 27 Jun 2019 21:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 119074
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 16.5 0.0 38.8

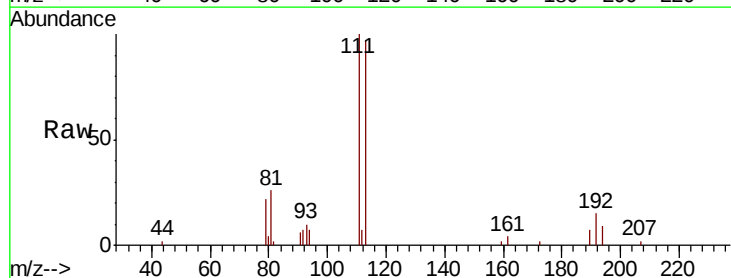


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

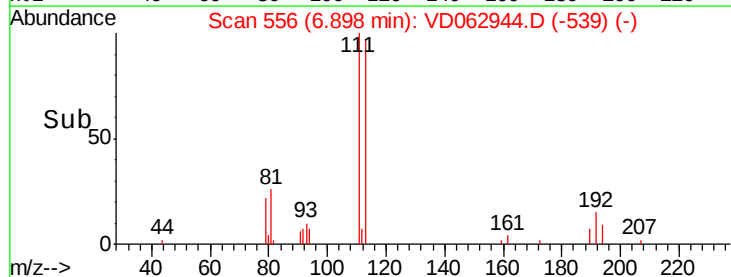
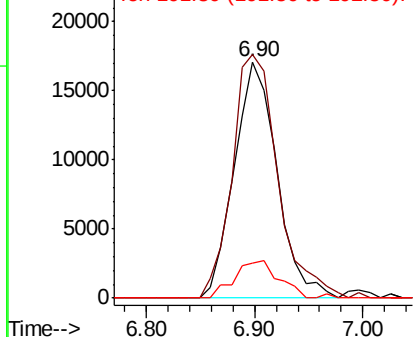


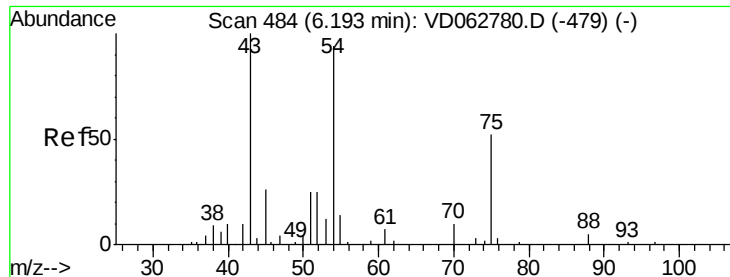
#35
 Dibromofluoromethane
 Concen: 46.837 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062944.D
 Acq: 27 Jun 2019 21:01

Tgt Ion:113 Resp: 47026
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.2 121.8
 192 15.0 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

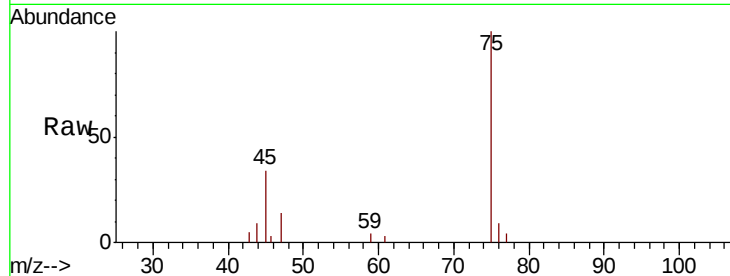




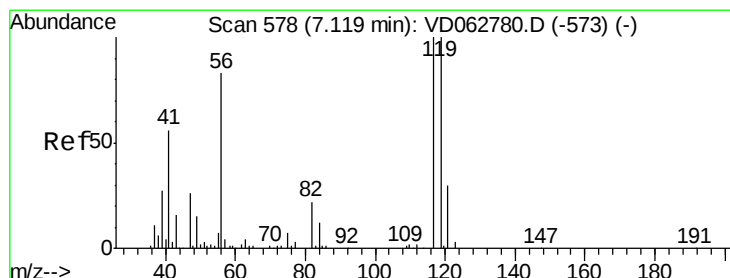
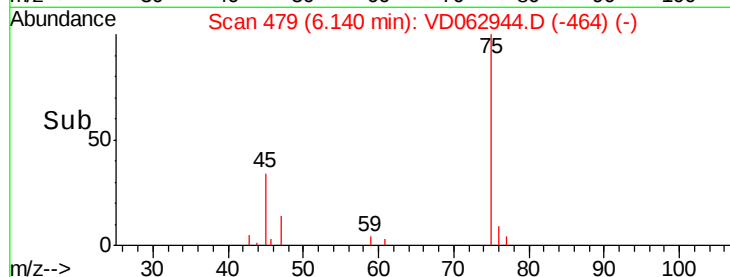
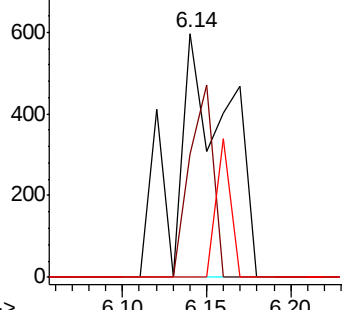
#37
Ethyl Acetate
Concen: 1.660 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.05 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
61 50.8 11.6 17.4#
70 0.0 6.4 9.6#

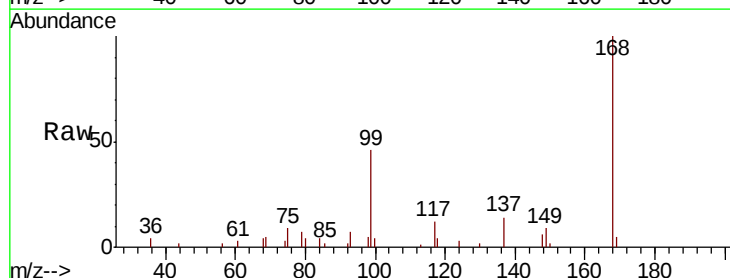


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

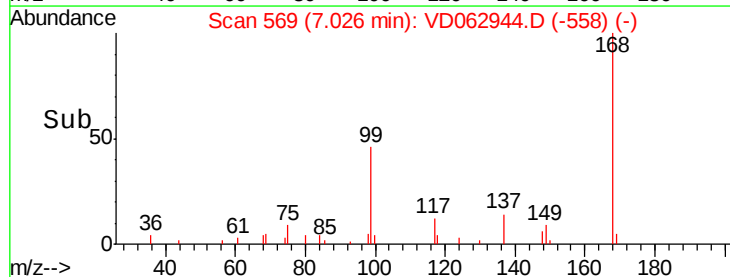
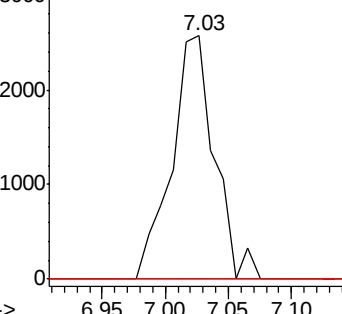


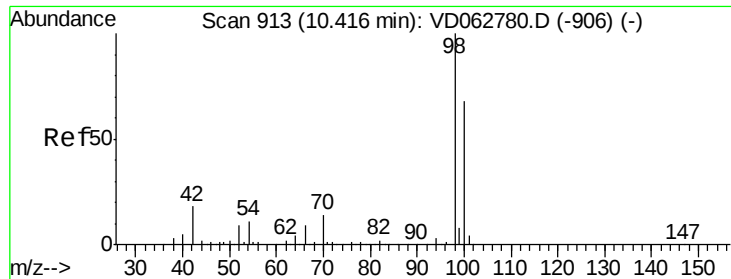
#38
Carbon Tetrachloride
Concen: 3.563 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.09 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Tgt Ion: 117 Resp: 6040
Ion Ratio Lower Upper
117 100
119 0.0 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

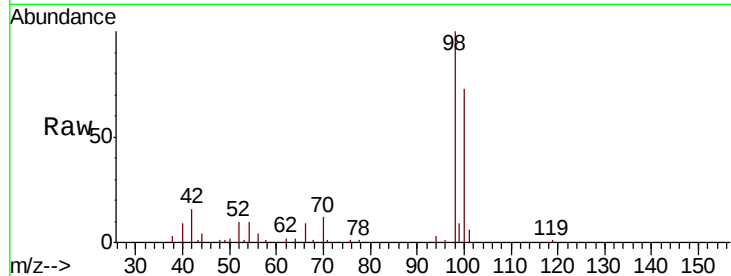




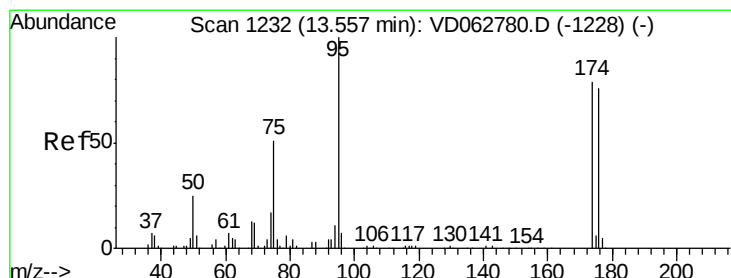
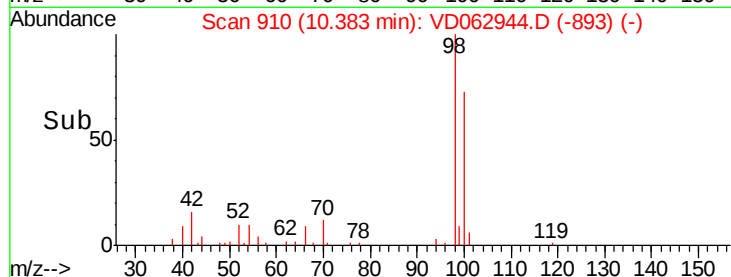
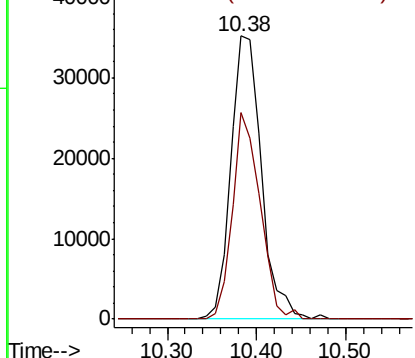
#50
Toluene-d8
Concen: 38.669 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 84500
Ion Ratio Lower Upper
98 100
100 73.1 54.7 82.1

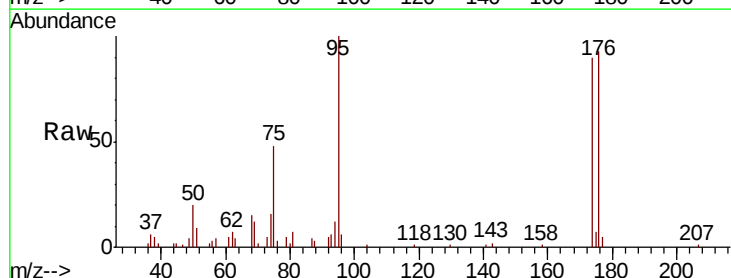


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

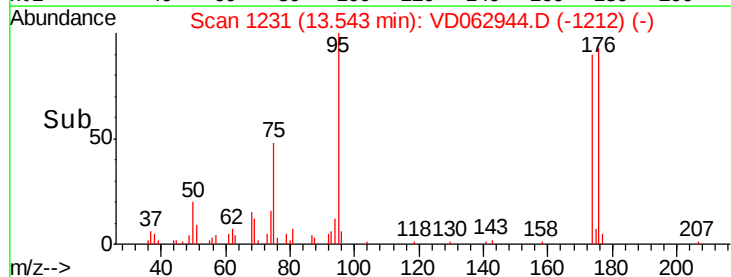
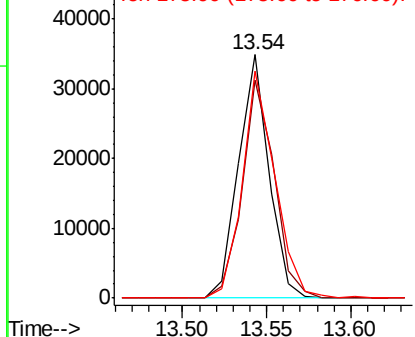


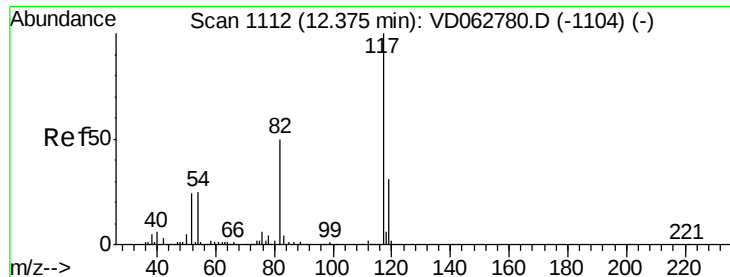
#62
4-Bromofluorobenzene
Concen: 43.941 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Tgt Ion: 95 Resp: 43661
Ion Ratio Lower Upper
95 100
174 89.7 0.0 158.0
176 93.2 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

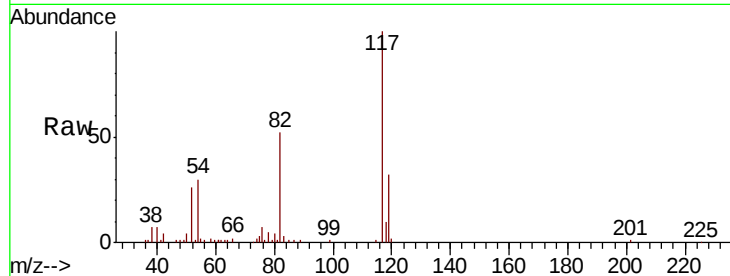




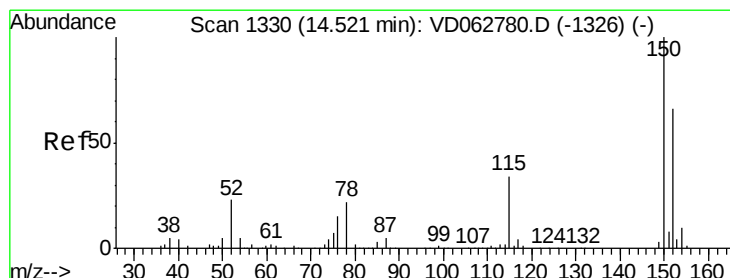
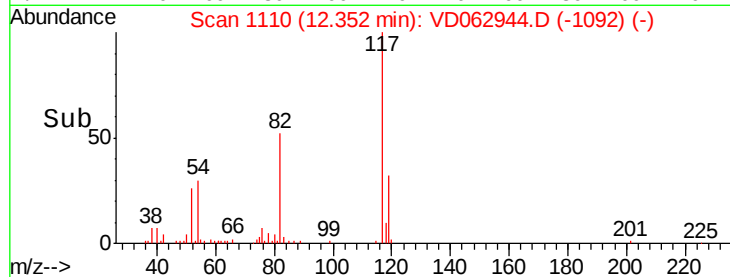
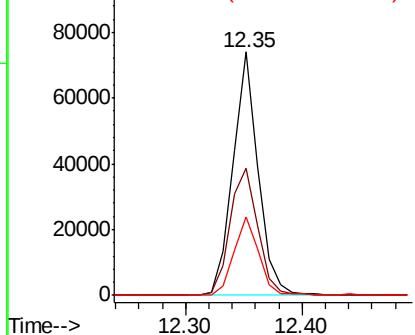
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 110702
Ion Ratio Lower Upper
117 100
82 52.3 40.4 60.6
119 32.1 25.2 37.8

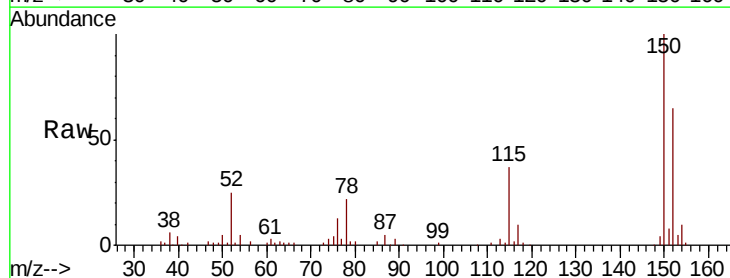


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

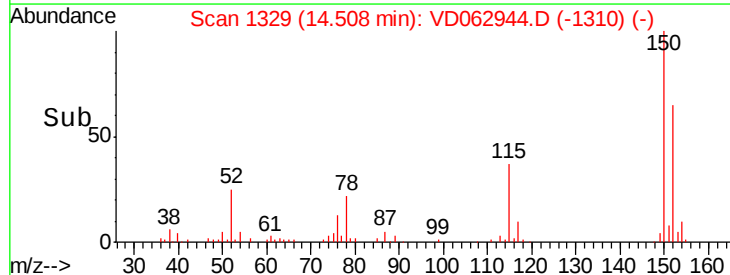
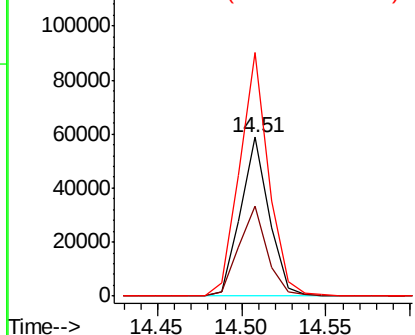


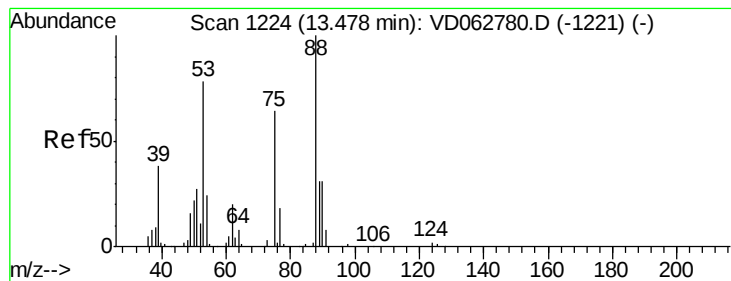
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062944.D
Acq: 27 Jun 2019 21:01

Tgt Ion:152 Resp: 69296
Ion Ratio Lower Upper
152 100
115 56.6 29.2 87.6
150 153.2 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: 111.556 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062944.D

Acq: 27 Jun 2019 21:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 23389

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

