

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\
 Data File : VD060074.D
 Acq On : 21 Sep 2018 16:32
 Operator : VA/AP
 Sample : J5017-10RE
 Misc : 5.02/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-WW-062RE

Quant Time: Sep 22 00:53:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	167682	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	256984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	212557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	94716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	117802	90.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.18%	
35) Dibromofluoromethane	6.32	113	111424	55.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.00%	
50) Toluene-d8	9.45	98	232601	41.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.60%	
62) 4-Bromofluorobenzene	12.42	95	92875	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	

Target Compounds

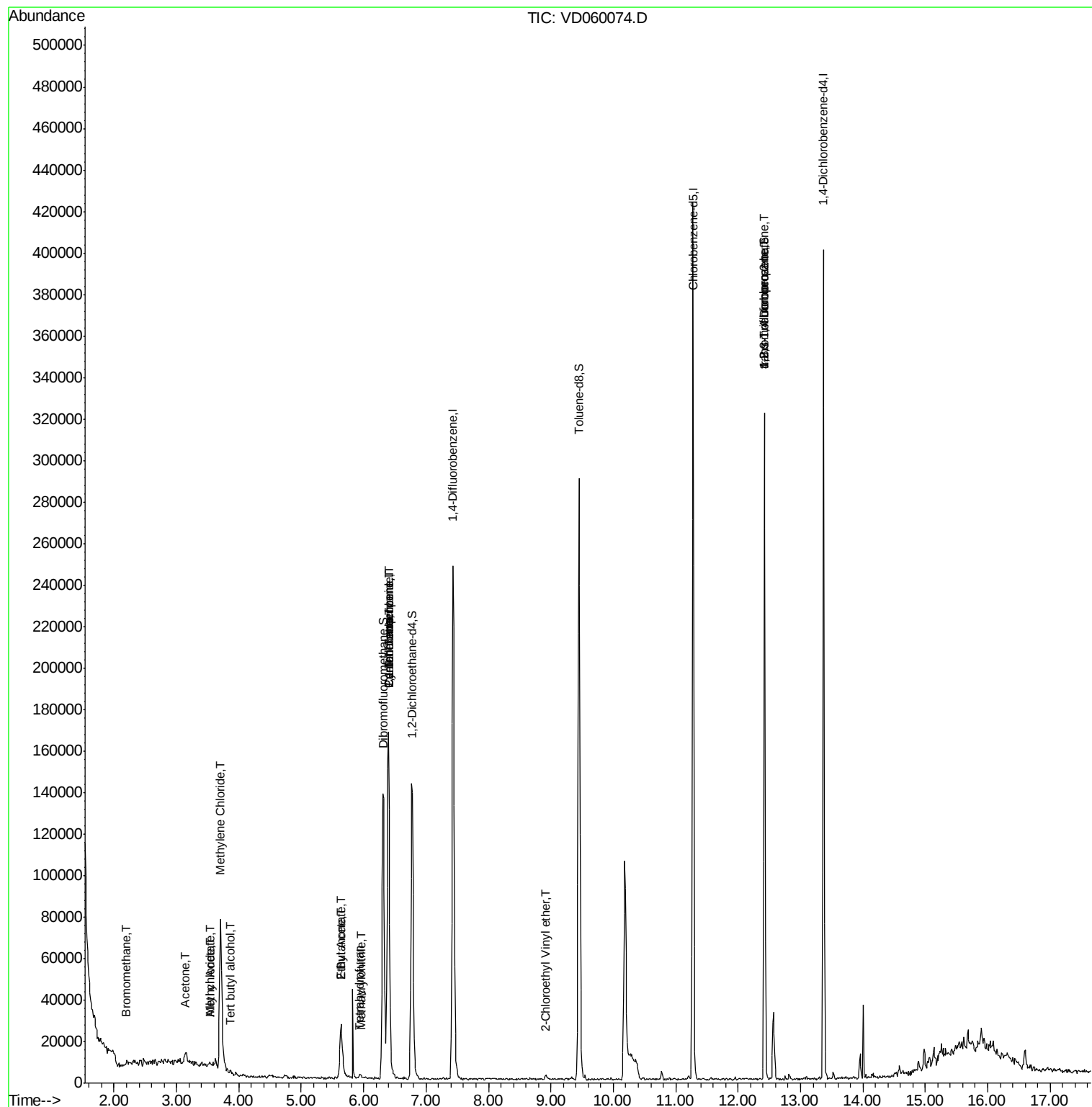
						Qvalue
5) Bromomethane	2.19	94	611	4.107	ug/l #	1
11) Tert butyl alcohol	3.87	59	482	4.568	ug/l #	74
14) Allyl chloride	3.53	41	1520	1.045	ug/l #	66
16) Acetone	3.15	43	14790	58.582	ug/l	95
18) Methyl Acetate	3.52	43	4711	9.175	ug/l #	64
20) Methylene Chloride	3.71	84	47030	22.168	ug/l	97
25) 2-Butanone	5.64	43	4906	7.201	ug/l #	61
29) Tetrahydrofuran	5.93	42	2069	5.663	ug/l #	41
31) Cyclohexane	6.39	56	2971	1.023	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	12801	5.015	ug/l #	48
37) Ethyl Acetate	5.64	43	4906	2.795	ug/l #	72
38) Carbon Tetrachloride	6.40	117	12277	5.152	ug/l #	12
41) Methacrylonitrile	5.95	41	1047	1.139	ug/l #	41
51) 4-Methyl-2-Pentanone	9.33	43	1954	Below Cal	#	42
58) 2-Chloroethyl Vinyl ether	8.91	63	968	1.248	ug/l #	47
59) 2-Hexanone	10.48	43	770	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.42	75	31067	21.476	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	38589	88.371	ug/l #	15
89) n-Butylbenzene	13.64	91	428	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.66	146	238	Below Cal	#	25

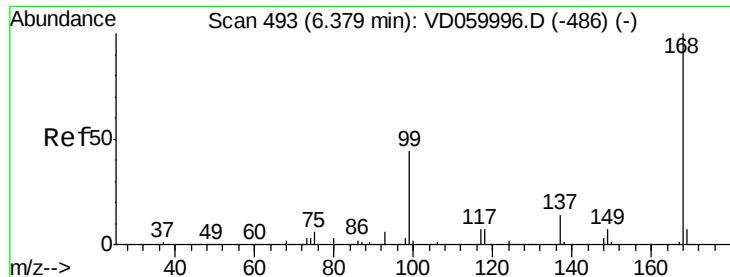
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_D

ClientSampleId :

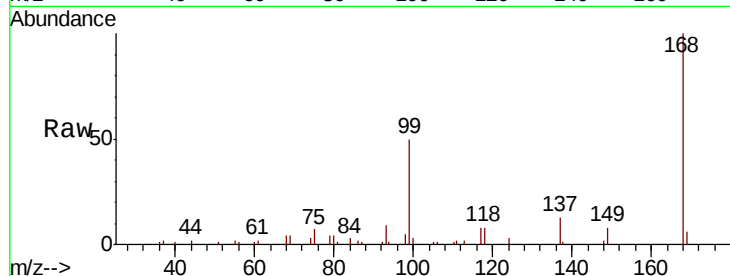
RA-091918-N-WW-062RE

Tot Ion:168 Resp: 167682

Ion Ratio Lower Upper

168 100

99 49.7 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

60000

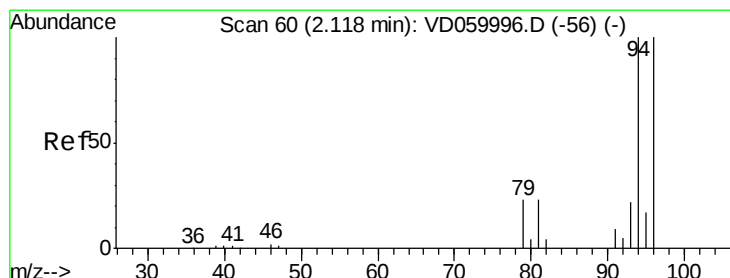
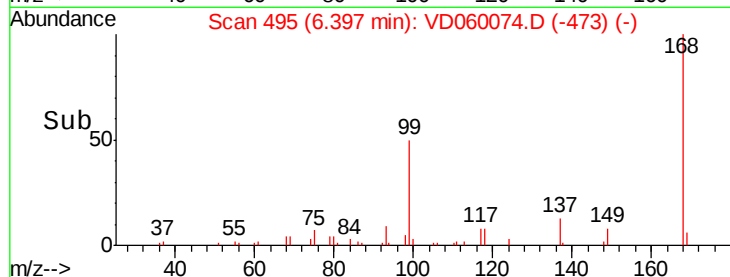
40000

20000

0

Time-->

6.30 6.40 6.50



#5

Bromomethane

Concen: 4.107 ug/l

RT: 2.19 min Scan# 67

Delta R.T. 0.07 min

Lab File: VD060074.D

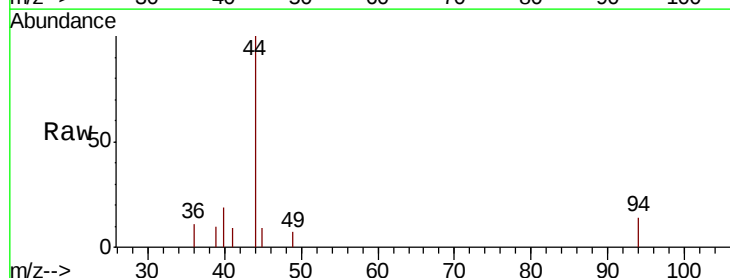
Acq: 21 Sep 2018 16:32

Tgt Ion: 94 Resp: 611

Ion Ratio Lower Upper

94 100

96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

800

600

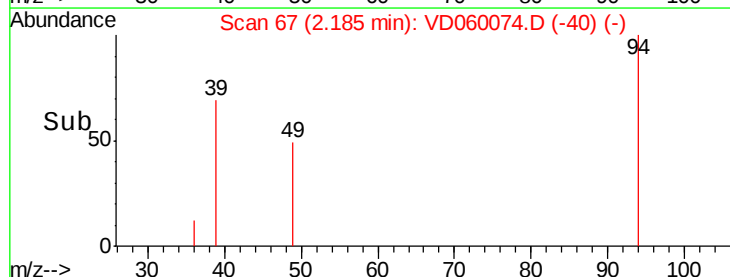
400

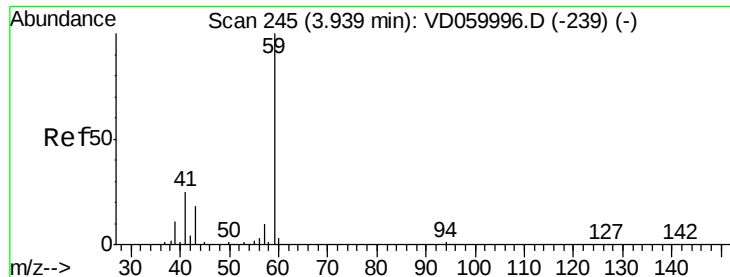
200

0

Time-->

2.15 2.20





#11

Tert butyl alcohol

Concen: 4.568 ug/l

RT: 3.87 min Scan# 238

Delta R.T. -0.07 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_D

ClientSampleId :

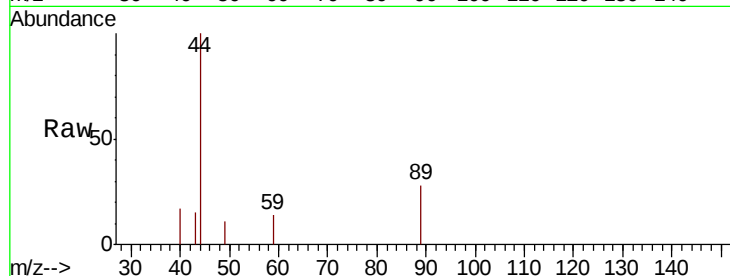
RA-091918-N-WW-062RE

Tot Ion: 59 Resp: 482

Ion Ratio Lower Upper

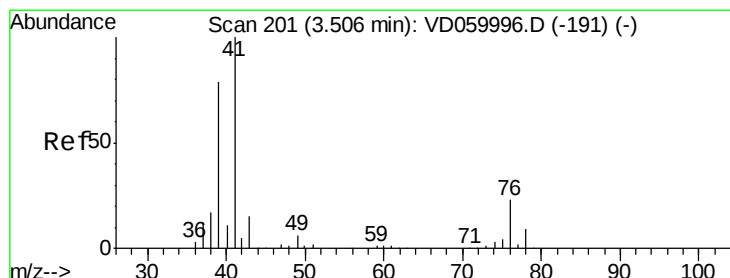
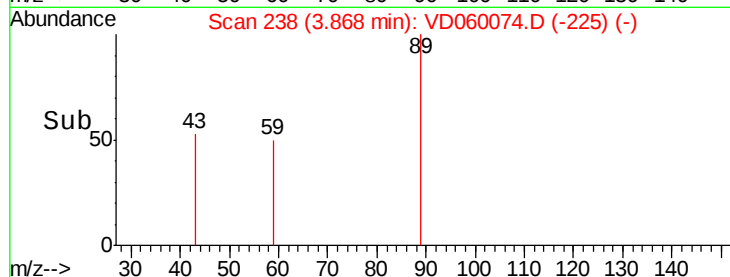
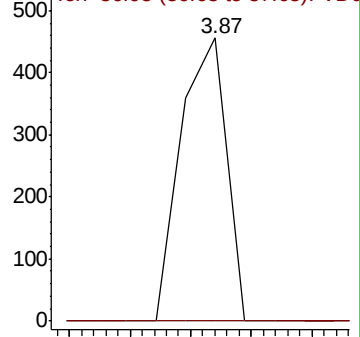
59 100

57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#14

Allyl chloride

Concen: 1.045 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

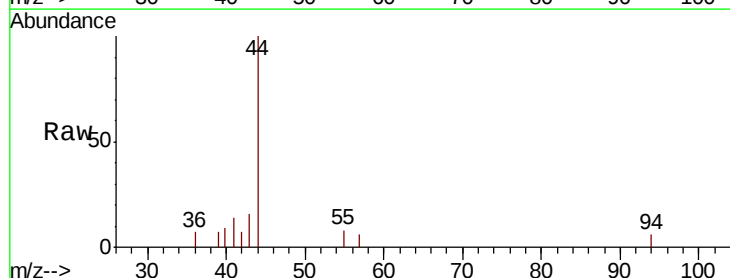
Tgt Ion: 41 Resp: 1520

Ion Ratio Lower Upper

41 100

39 55.0 63.6 95.4#

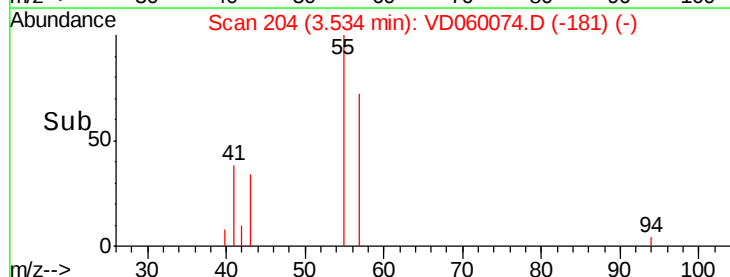
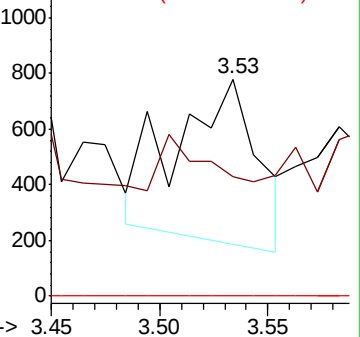
76 0.0 21.1 31.7#

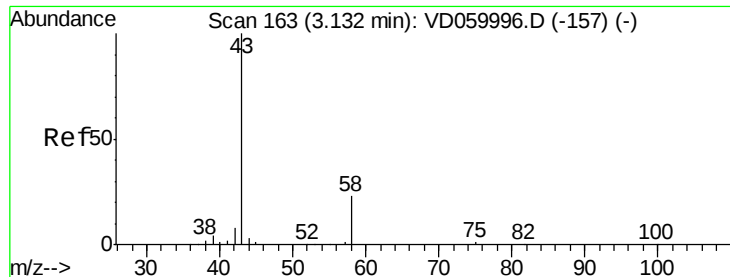


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 58.582 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_D

ClientSampleId :

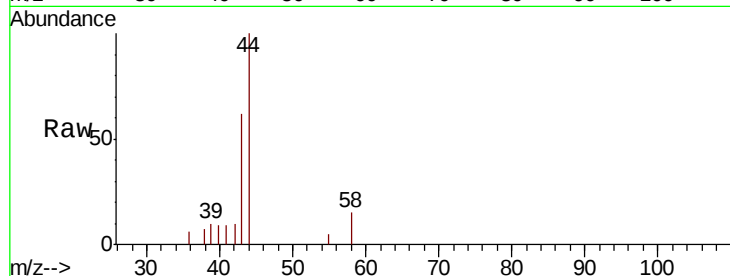
RA-091918-N-WW-062RE

Tot Ion: 43 Resp: 14790

Ion Ratio Lower Upper

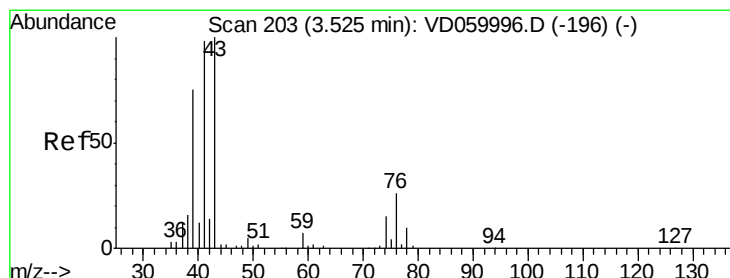
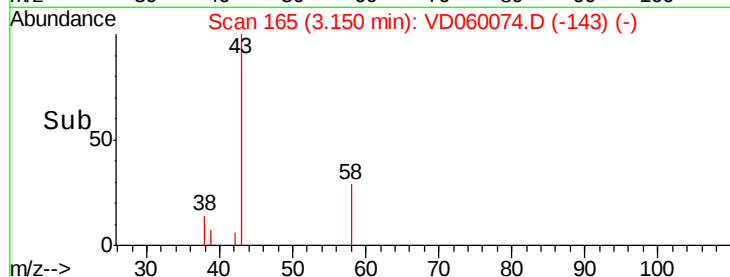
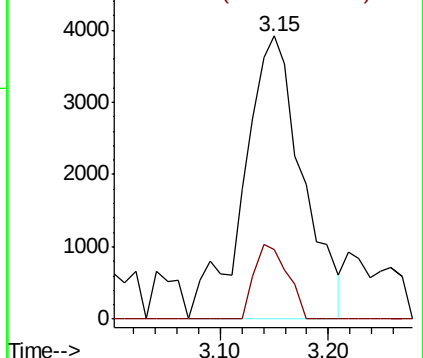
43 100

58 24.8 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 9.175 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.00 min

Lab File: VD060074.D

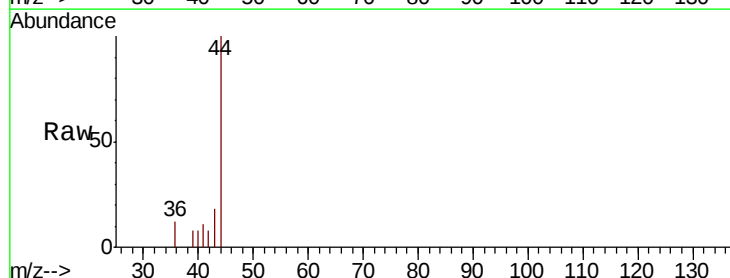
Acq: 21 Sep 2018 16:32

Tgt Ion: 43 Resp: 4711

Ion Ratio Lower Upper

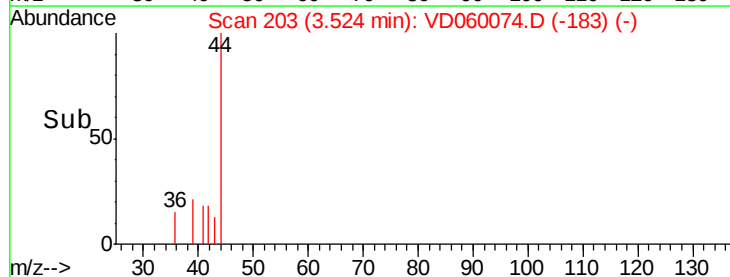
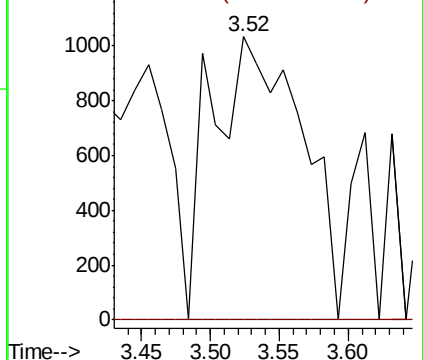
43 100

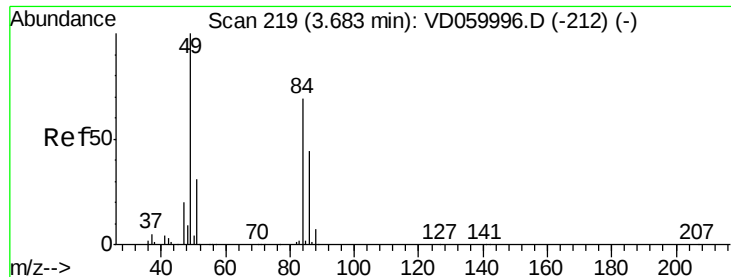
74 0.0 11.8 17.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

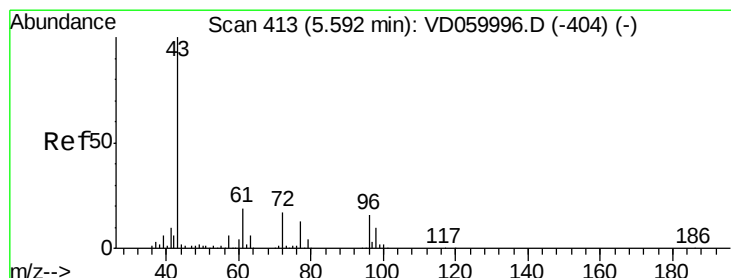
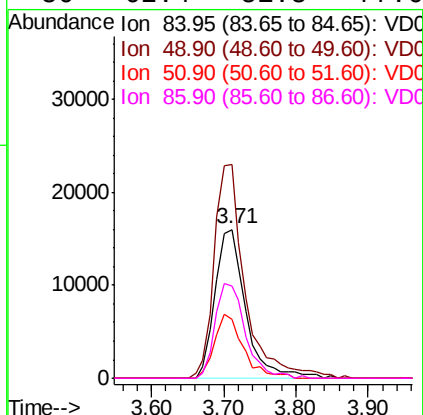
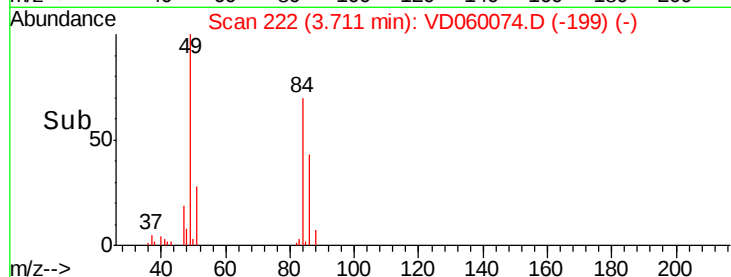
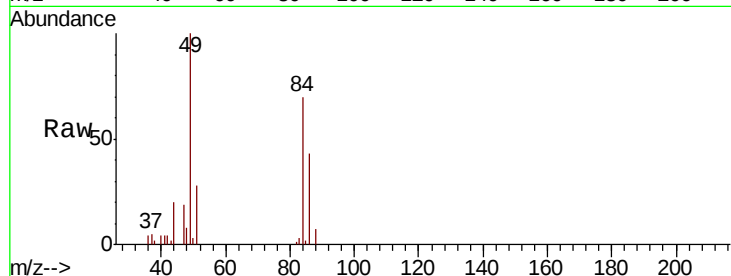




#20
Methylene Chloride
Concen: 22.168 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.03 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

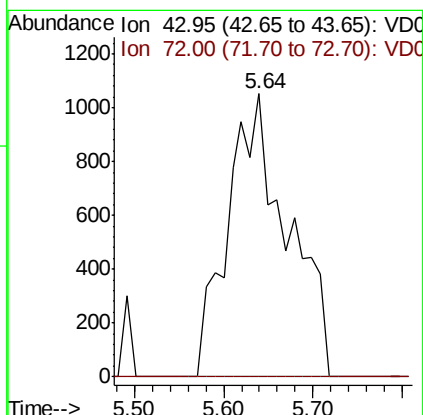
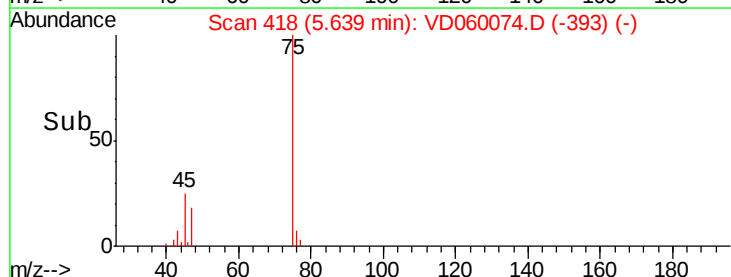
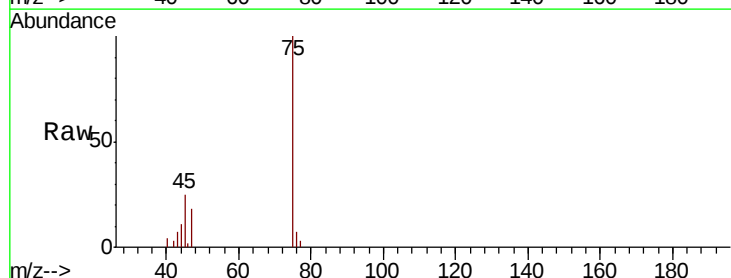
Instrument :
MSVOA_D
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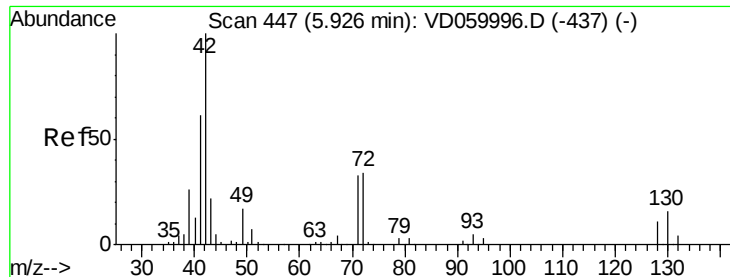
Tot Ion: 84 Resp: 47030
Ion Ratio Lower Upper
84 100
49 143.9 116.6 175.0
51 39.7 35.9 53.9
86 62.4 51.8 77.6



#25
2-Butanone
Concen: 7.201 ug/l
RT: 5.64 min Scan# 418
Delta R.T. 0.05 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

Tgt Ion: 43 Resp: 4906
Ion Ratio Lower Upper
43 100
72 0.0 13.6 20.4#

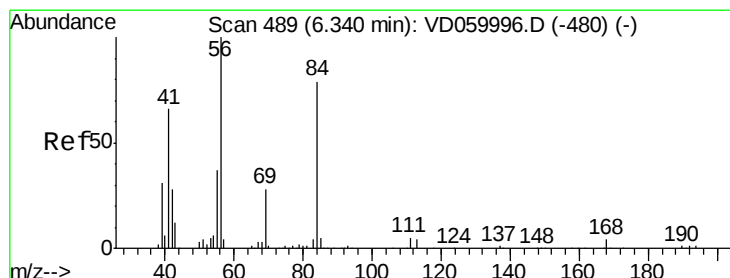
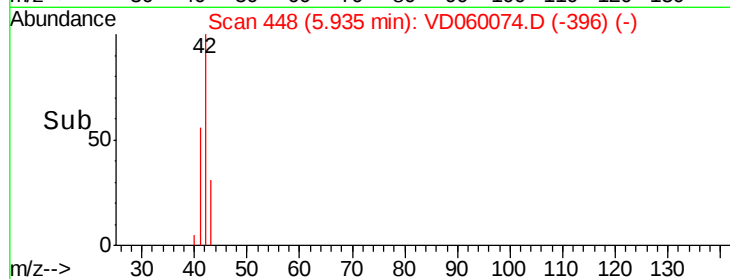
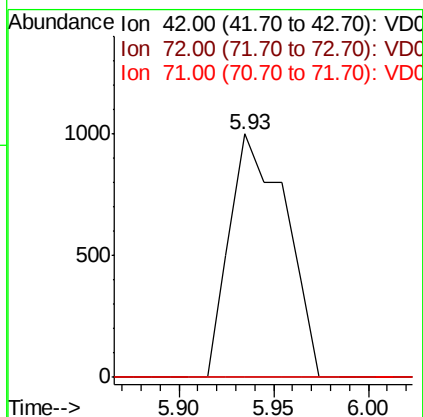
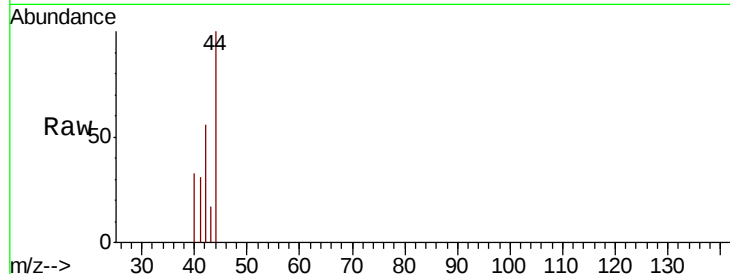




#29
Tetrahydrofuran
Concen: 5.663 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

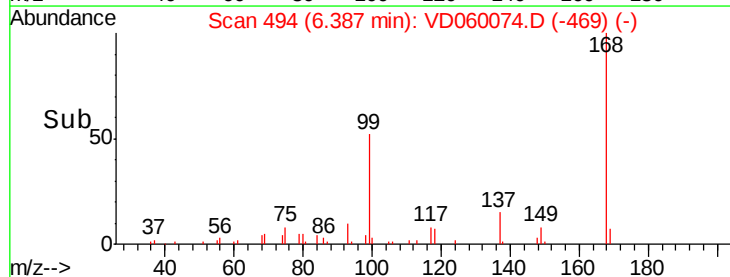
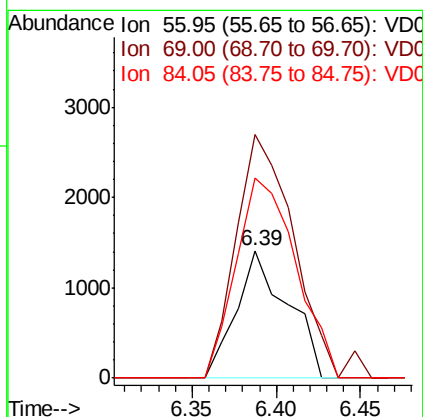
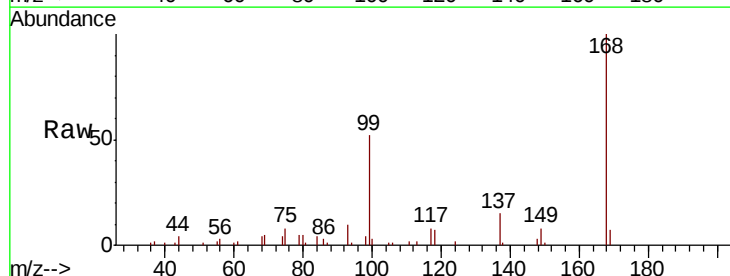
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-N-WW-062RE

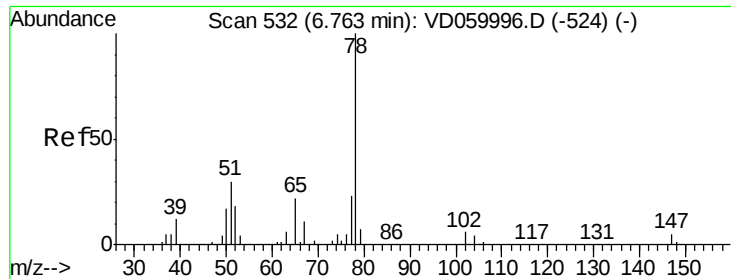
Tot Ion: 42 Resp: 2069
Ion Ratio Lower Upper
42 100
72 0.0 26.9 40.3#
71 0.0 26.2 39.4#



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

Tgt Ion: 56 Resp: 2971
Ion Ratio Lower Upper
56 100
69 190.9 22.7 34.1#
84 156.6 64.0 96.0#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_D

ClientSampleId :

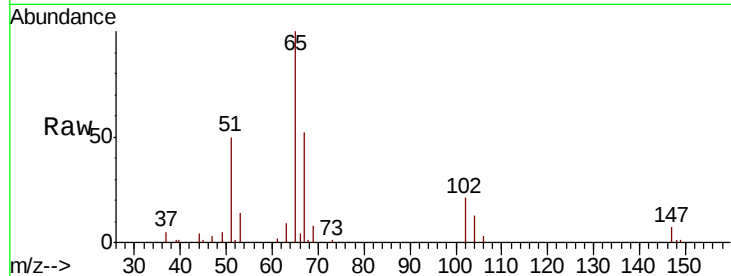
RA-091918-N-WW-062RE

Tot Ion: 65 Resp: 117802

Ion Ratio Lower Upper

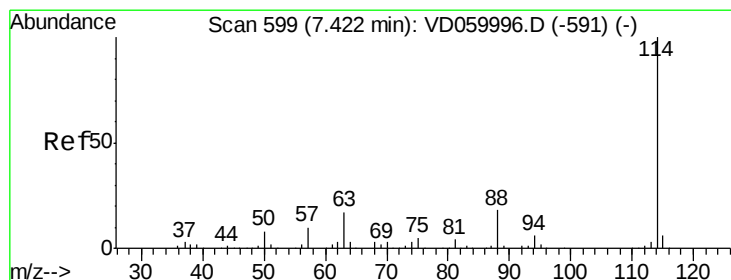
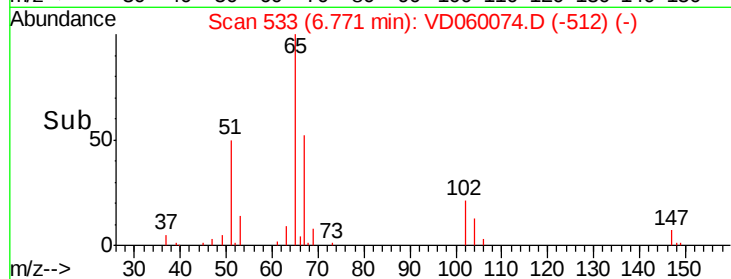
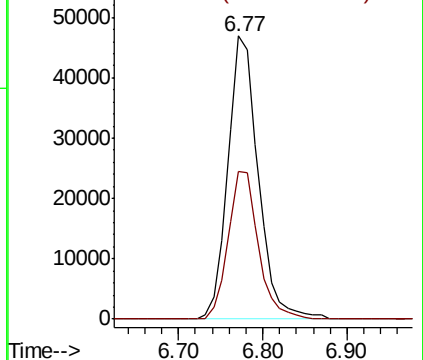
65 100

67 52.0 0.0 104.8



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: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

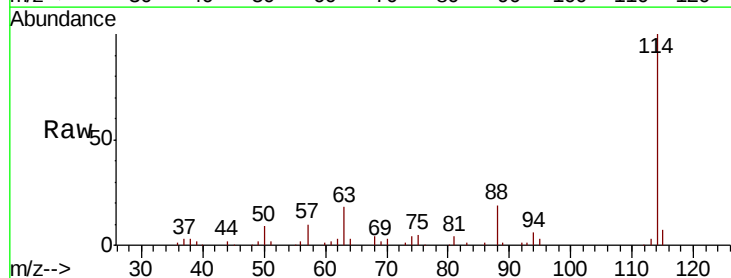
Tgt Ion: 114 Resp: 256984

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

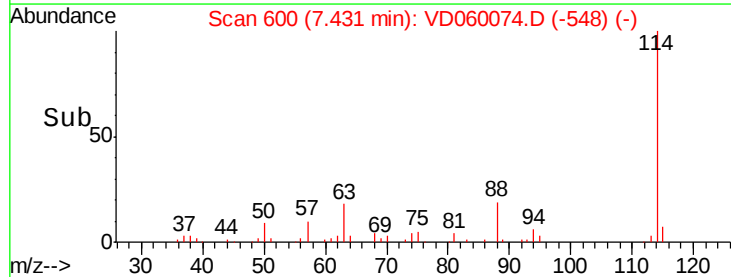
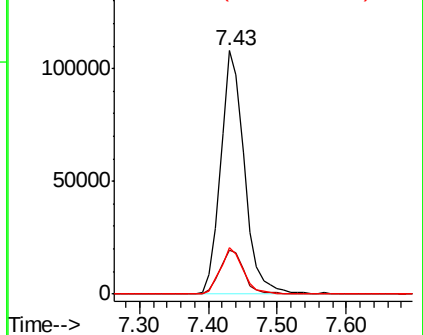
88 19.2 0.0 35.8

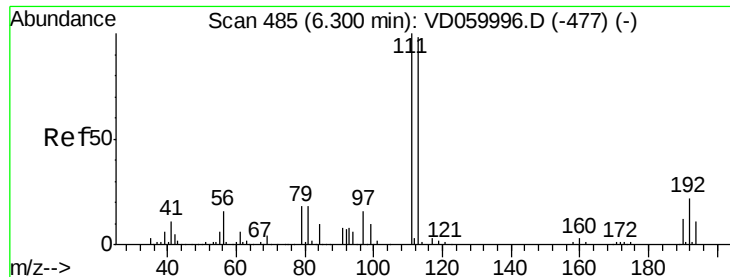


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_D

ClientSampleId :

RA-091918-N-WW-062RE

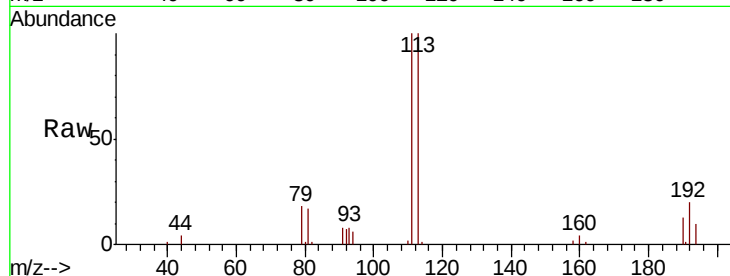
Tot Ion:113 Resp: 111424

Ion Ratio Lower Upper

113 100

111 100.1 81.3 121.9

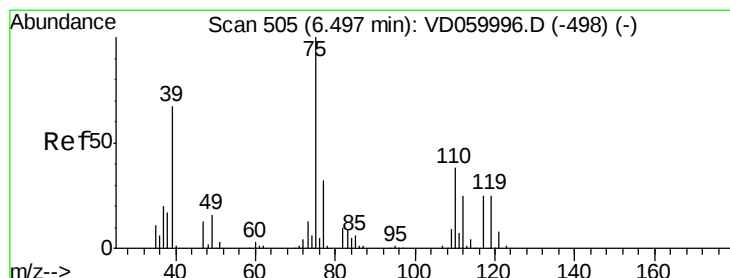
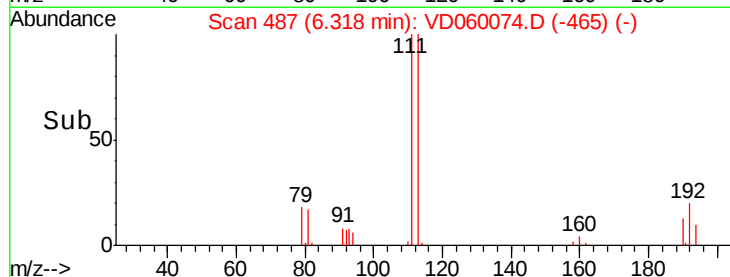
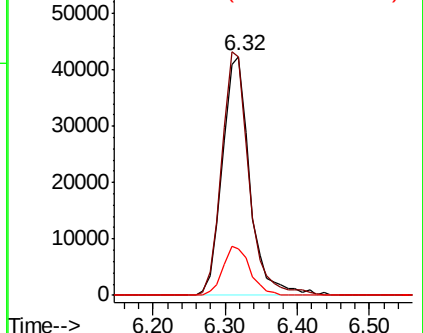
192 19.6 18.1 27.1



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: 5.015 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

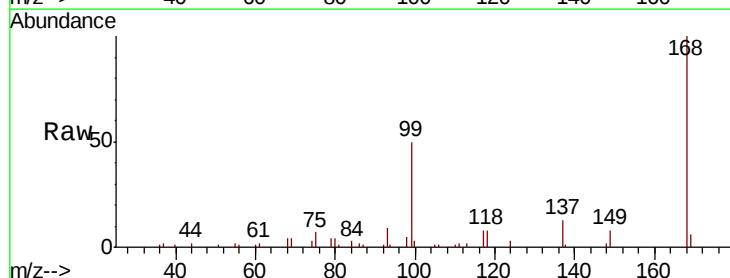
Tgt Ion: 75 Resp: 12801

Ion Ratio Lower Upper

75 100

110 8.8 18.9 56.9#

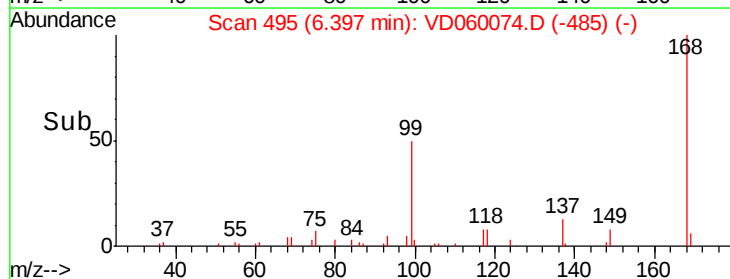
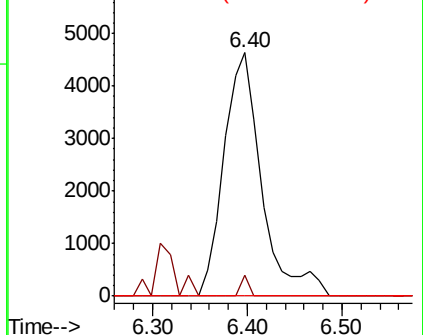
77 0.0 25.3 37.9#

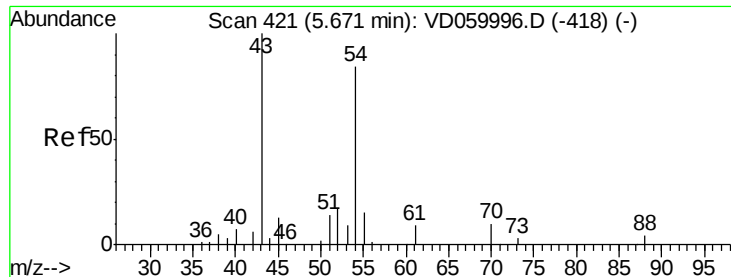


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

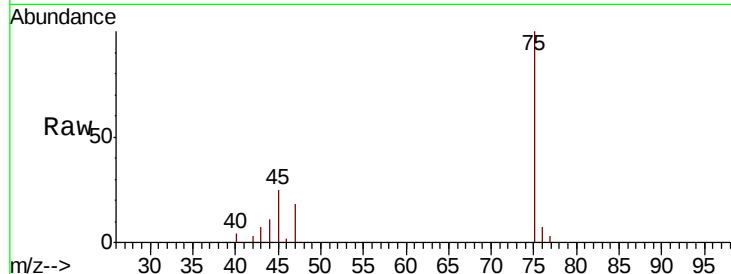




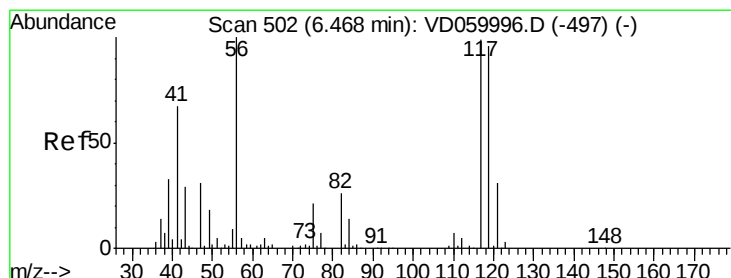
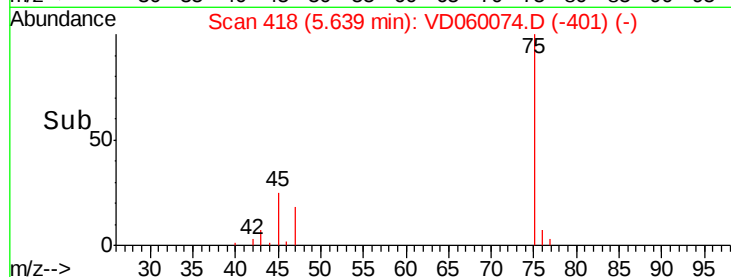
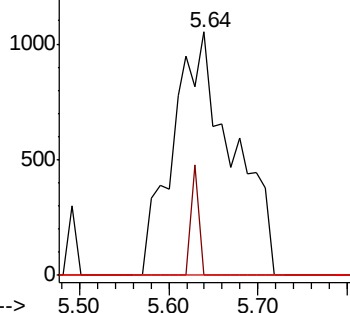
#37
Ethyl Acetate
Concen: 2.795 ug/l
RT: 5.64 min Scan# 418
Delta R.T. -0.03 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-N-WW-062RE

Tot Ion: 43 Resp: 4906
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 6.1 9.1#

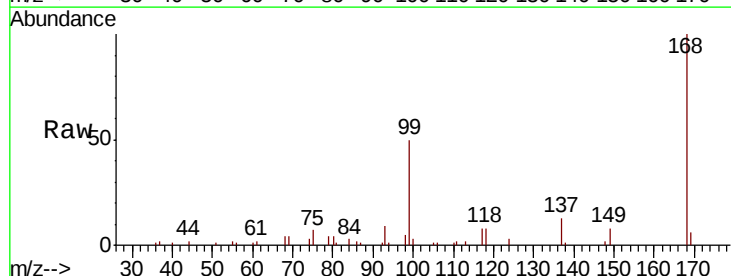


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

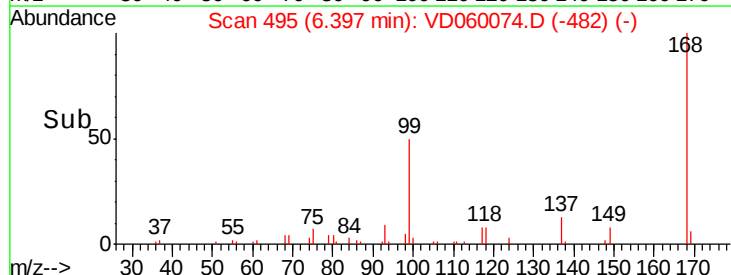
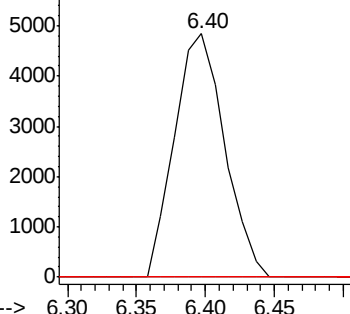


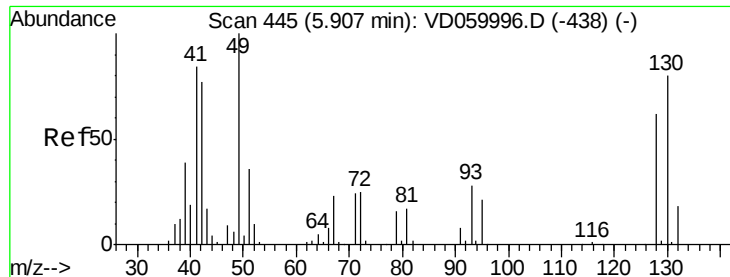
#38
Carbon Tetrachloride
Concen: 5.152 ug/l
RT: 6.40 min Scan# 495
Delta R.T. -0.07 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

Tgt Ion: 117 Resp: 12277
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 24.9 37.3#



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

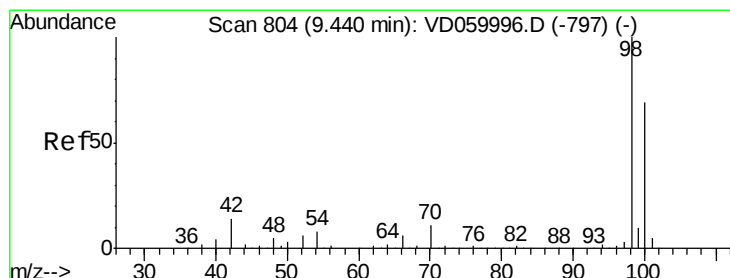
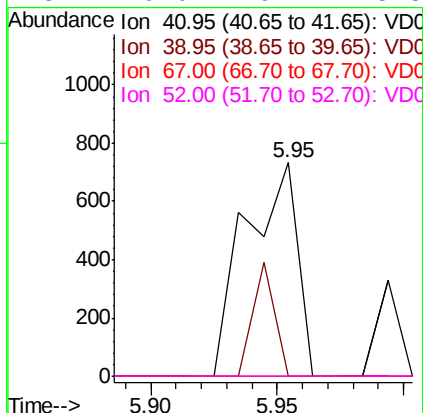
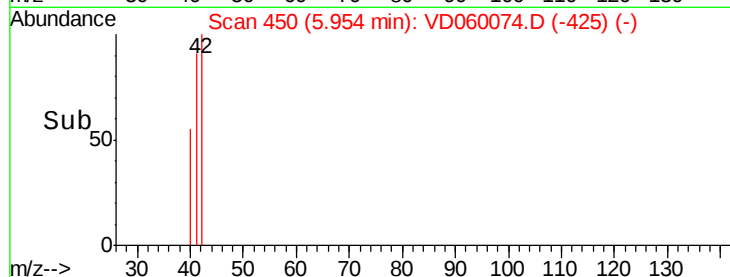
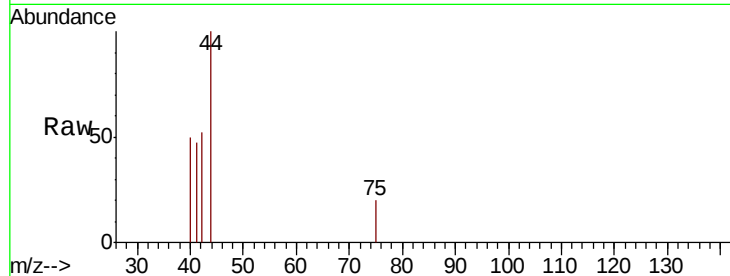




#41
Methacrylonitrile
Concen: 1.139 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.05 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

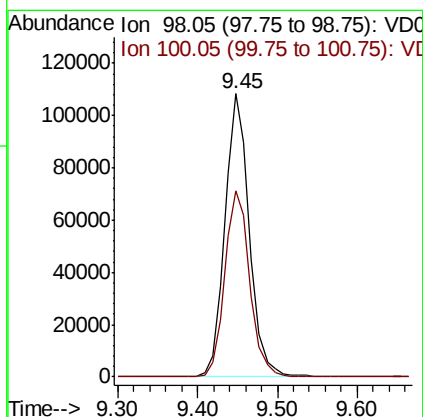
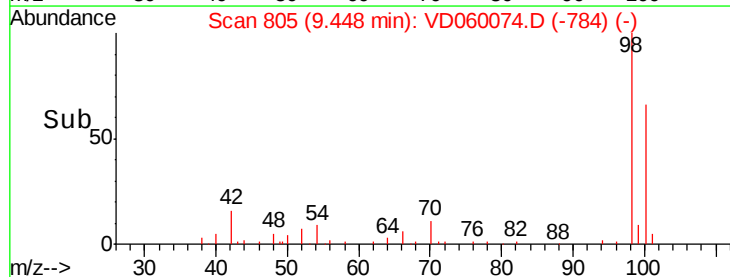
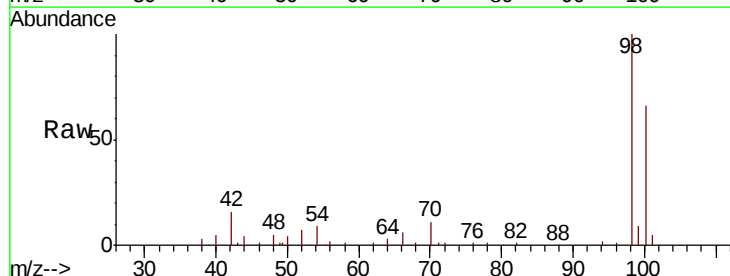
Instrument :
MSVOA_D
ClientSampleId :
RA-091918-N-WW-062RE

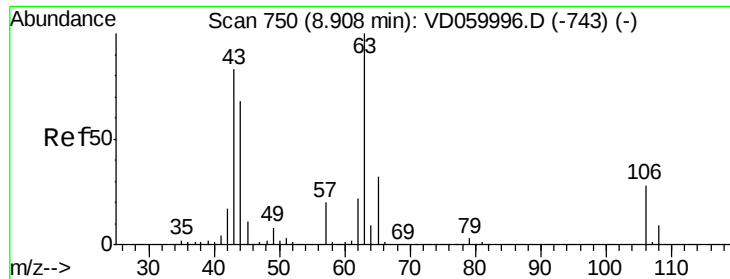
Tot Ion:	41	Resp:	1047
Ion	Ratio	Lower	Upper
41	100		
39	0.0	37.5	56.3#
67	0.0	21.5	32.3#
52	0.0	9.2	13.8#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

Tgt Ion:	98	Resp:	232601
Ion	Ratio	Lower	Upper
98	100		
100	66.0	55.8	83.6





#58

2-Chloroethyl Vinyl ether

Concen: 1.248 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

Instrument :

MSVOA_D

ClientSampleId :

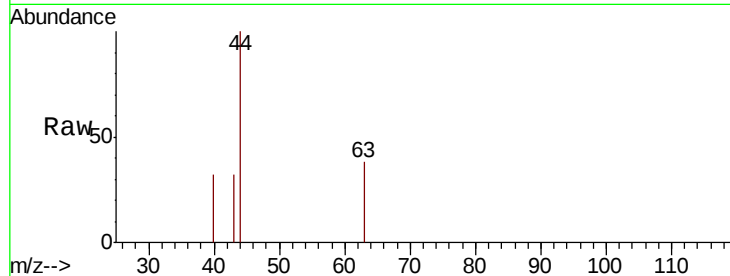
RA-091918-N-WW-062RE

Tot Ion: 63 Resp: 968

Ion Ratio Lower Upper

63 100

106 0.0 22.0 33.0#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.91

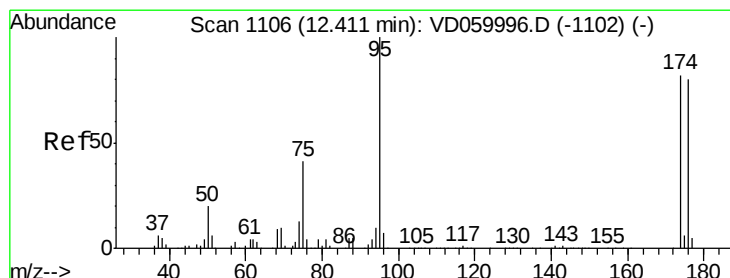
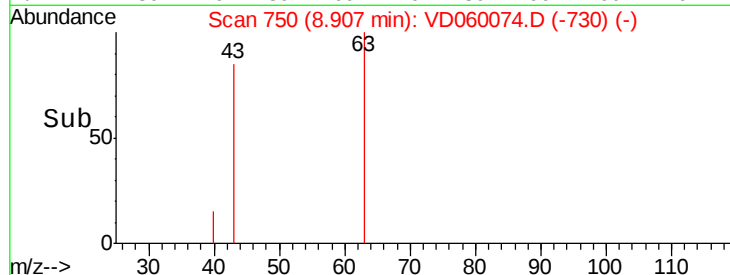
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060074.D

Acq: 21 Sep 2018 16:32

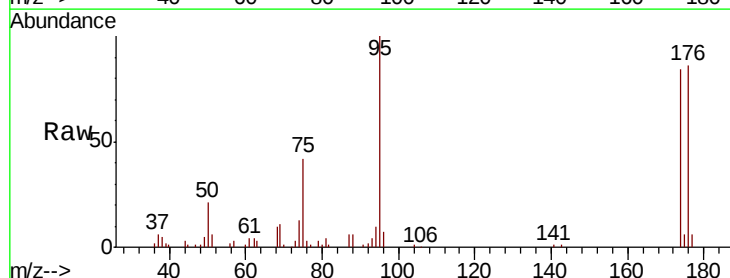
Tgt Ion: 95 Resp: 92875

Ion Ratio Lower Upper

95 100

174 83.5 0.0 165.0

176 85.7 0.0 160.2



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

12.42

80000

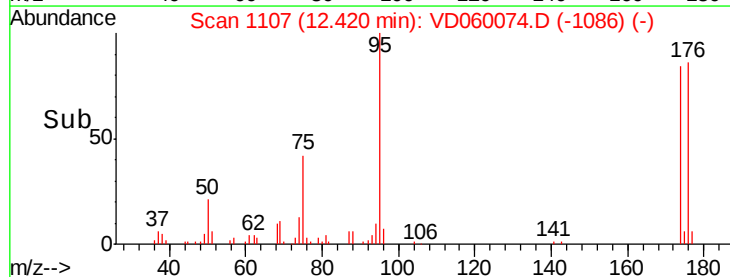
60000

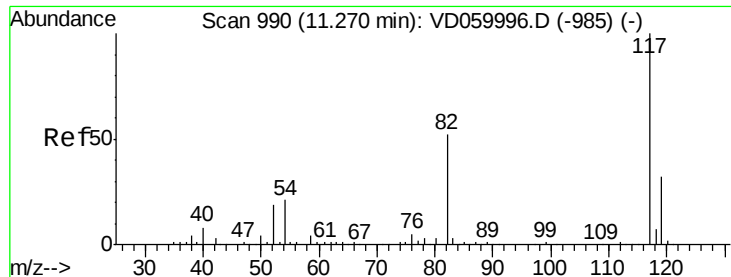
40000

20000

0

Time-->

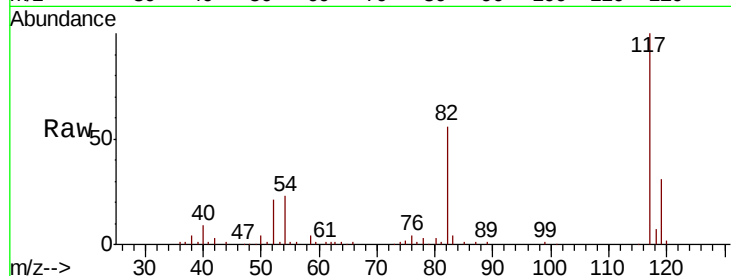




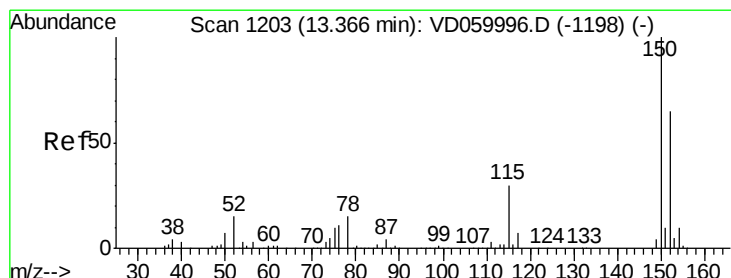
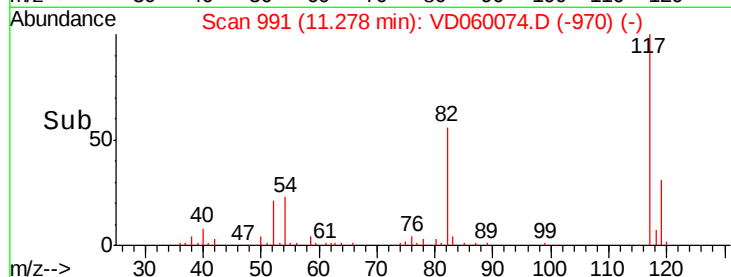
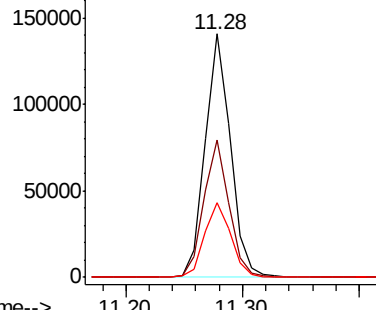
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

Instrument :
MSVOA_D
ClientSampleId :
RA-091918-N-WW-062RE

Tot Ion:117 Resp: 212557
Ion Ratio Lower Upper
117 100
82 56.3 41.7 62.5
119 30.5 26.0 39.0

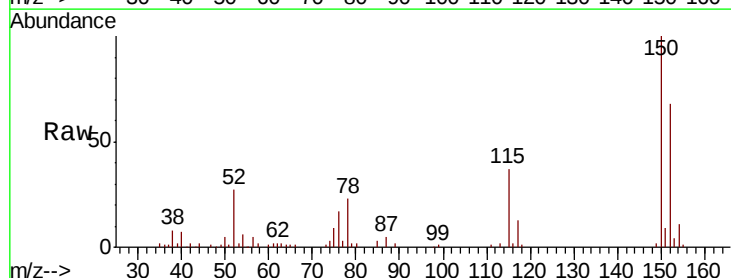


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

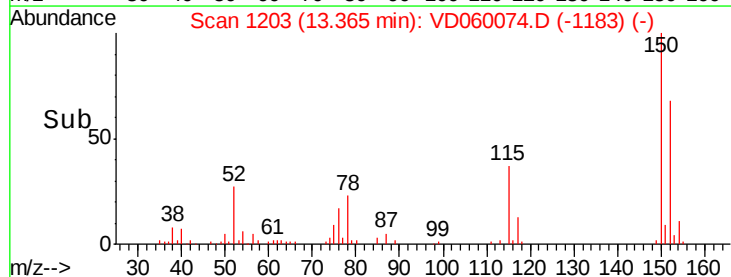
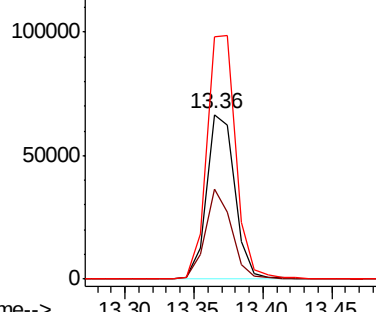


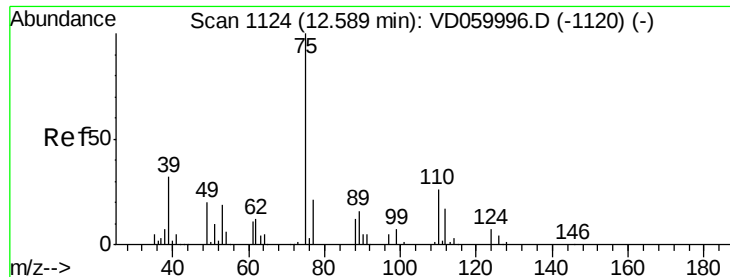
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060074.D
Acq: 21 Sep 2018 16:32

Tgt Ion:152 Resp: 94716
Ion Ratio Lower Upper
152 100
115 55.0 24.6 73.8
150 147.4 0.0 313.4



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

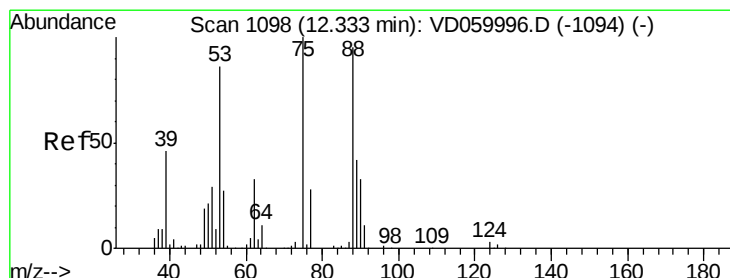
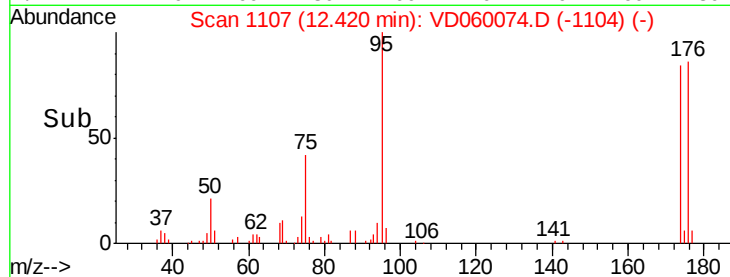
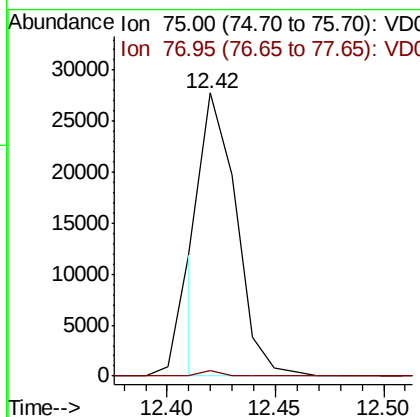
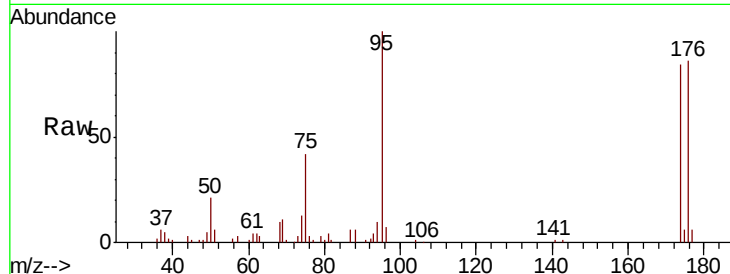




#76
 1,2,3-Trichloropropane
 Concen: 21.476 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.17 min
 Lab File: VD060074.D
 Acq: 21 Sep 2018 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-091918-N-WW-062RE

Tot Ion: 75 Resp: 31067
 Ion Ratio Lower Upper
 75 100
 77 2.0 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.371 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060074.D
 Acq: 21 Sep 2018 16:32

Tgt Ion: 75 Resp: 38589
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.4 102.6#
 89 0.0 33.8 50.6#

