

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060734.D
 Acq On : 27 Dec 2018 18:50
 Operator : VA/AP
 Sample : J6447-02RE
 Misc : 3.27g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS024-0006-01RE

Quant Time: Dec 28 01:38:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.36	168	71348	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.41	114	112666	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.25	117	92135	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.35	152	31462	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	89916	182.36	ug/l	-0.04
Spiked Amount			Recovery	=	364.72%	
35) Dibromofluoromethane	6.28	113	77106	93.50	ug/l	-0.04
Spiked Amount			Recovery	=	187.00%	
50) Toluene-d8	9.41	98	111526	45.33	ug/l	-0.04
Spiked Amount			Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.41	95	30177	35.02	ug/l	-0.02
Spiked Amount			Recovery	=	70.04%	

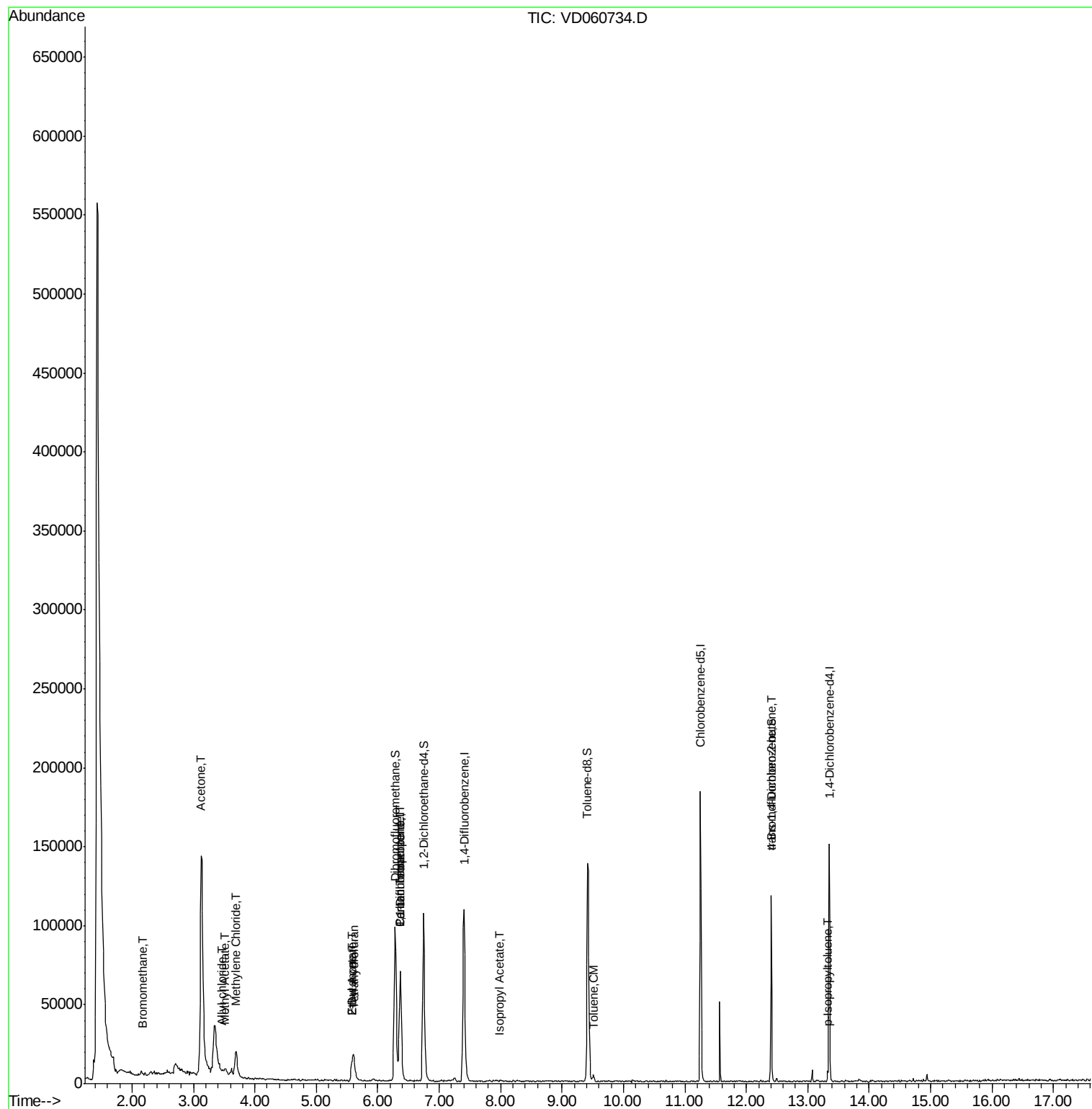
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1276	8.552	ug/l #	2
14) Allyl chloride	3.48	41	2134	2.945	ug/l #	82
16) Acetone	3.13	43	296190	3439.791	ug/l	96
18) Methyl Acetate	3.51	43	7992	37.451	ug/l #	63
20) Methylene Chloride	3.69	84	10715	11.982	ug/l	89
25) 2-Butanone	5.58	43	19603	118.970	ug/l	93
29) Tetrahydrofuran	5.61	42	626	6.702	ug/l #	40
36) 1,1-Dichloropropene	6.36	75	4729	4.076	ug/l #	40
37) Ethyl Acetate	5.58	43	19603	40.401	ug/l #	69
38) Carbon Tetrachloride	6.36	117	5162	5.043	ug/l #	12
43) Isopropyl Acetate	8.00	43	639	1.026	ug/l #	48
52) Toluene	9.51	92	2419	1.288	ug/l	81
81) trans-1,4-Dichloro-2-buten	12.41	75	12077	122.019	ug/l #	13
86) p-Isopropyltoluene	13.32	119	3698	1.908	ug/l	99

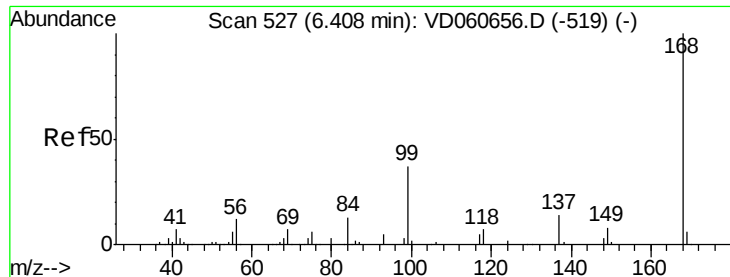
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.36 min Scan# 522

Delta R.T. -0.04 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

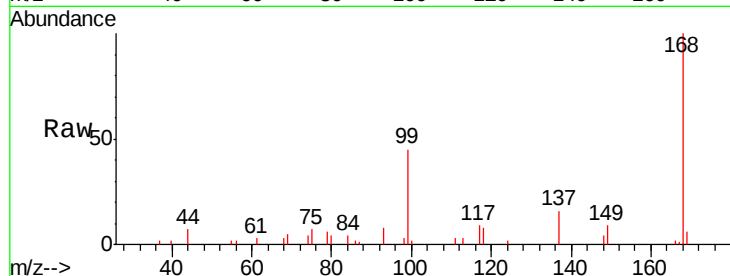
P001-SS024-0006-01RE

Tgt Ion: 168 Resp: 71348

Ion Ratio Lower Upper

168 100

99 45.4 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.36

25000

20000

15000

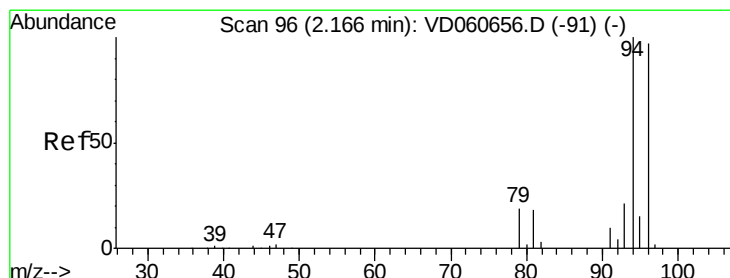
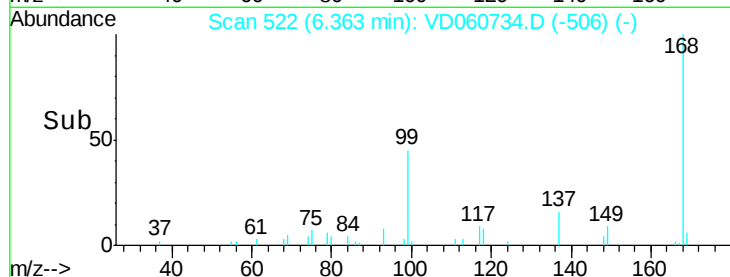
10000

5000

0

Time-->

6.30 6.40 6.50



#5

Bromomethane

Concen: 8.552 ug/l

RT: 2.19 min Scan# 98

Delta R.T. 0.02 min

Lab File: VD060734.D

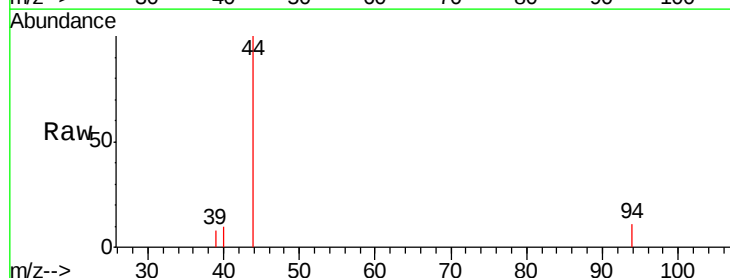
Acq: 27 Dec 2018 18:50

Tgt Ion: 94 Resp: 1276

Ion Ratio Lower Upper

94 100

96 0.0 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.19

500

400

300

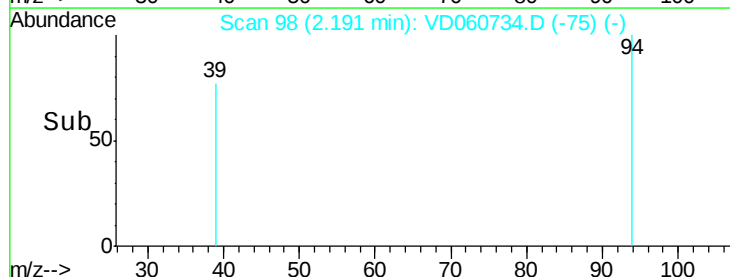
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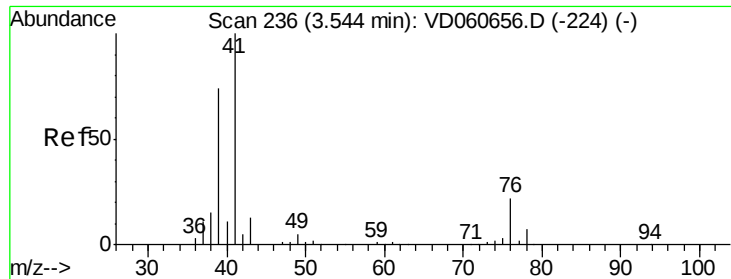
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0

Time-->

2.10 2.15 2.20 2.25

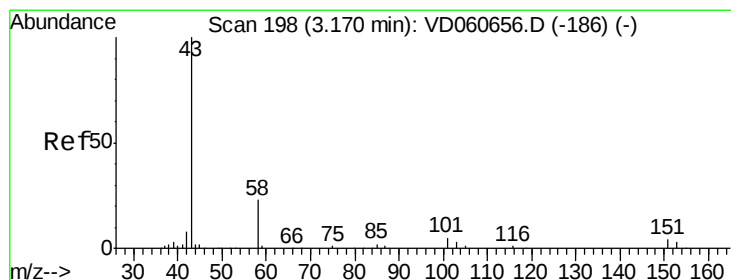
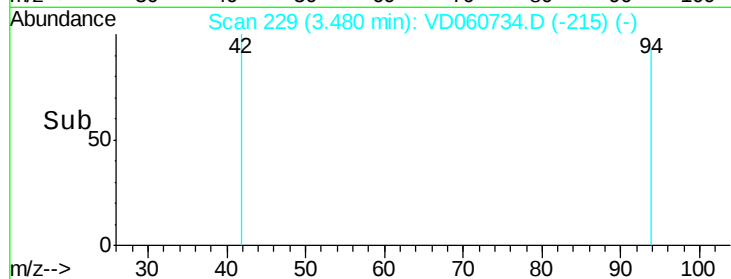
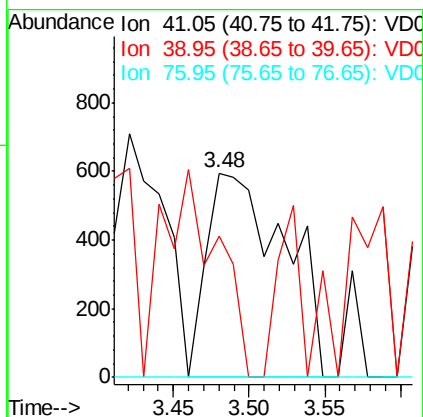
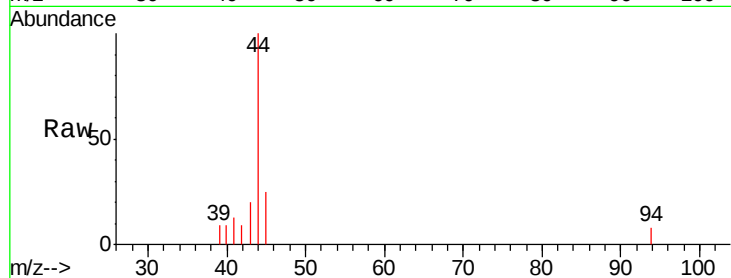




#14
 Allyl chloride
 Concen: 2.945 ug/l
 RT: 3.48 min Scan# 229
 Delta R.T. -0.06 min
 Lab File: VD060734.D
 Acq: 27 Dec 2018 18:50

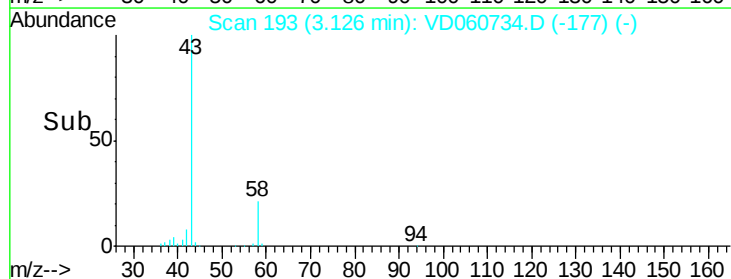
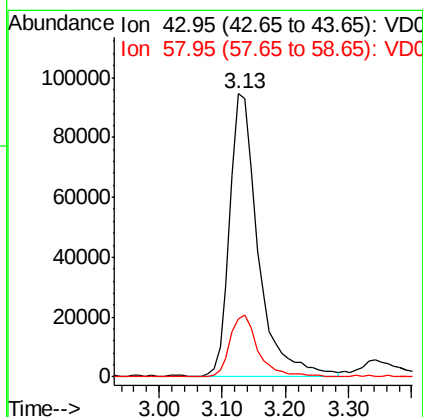
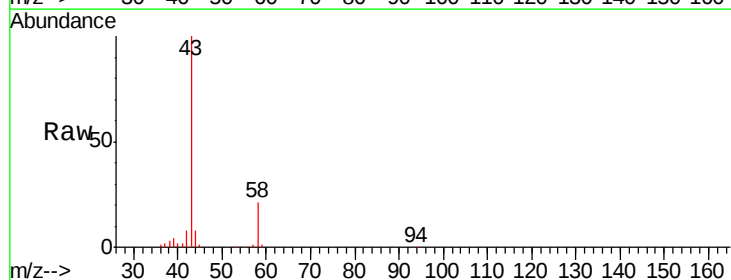
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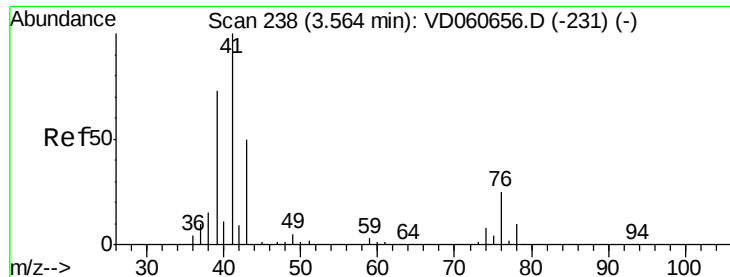
Tgt Ion: 41 Resp: 2134
 Ion Ratio Lower Upper
 41 100
 39 69.4 59.6 89.4
 76 0.0 21.8 32.6#



#16
 Acetone
 Concen: 3439.791 ug/l
 RT: 3.13 min Scan# 193
 Delta R.T. -0.04 min
 Lab File: VD060734.D
 Acq: 27 Dec 2018 18:50

Tgt Ion: 43 Resp: 296190
 Ion Ratio Lower Upper
 43 100
 58 20.7 18.2 27.2

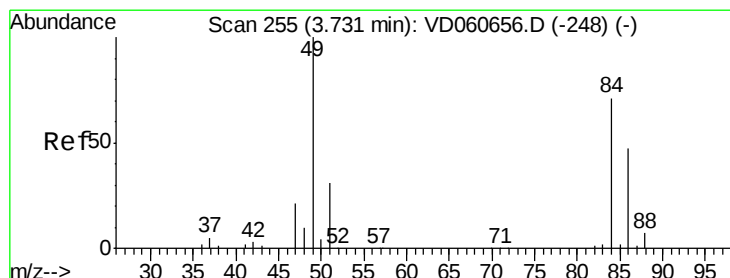
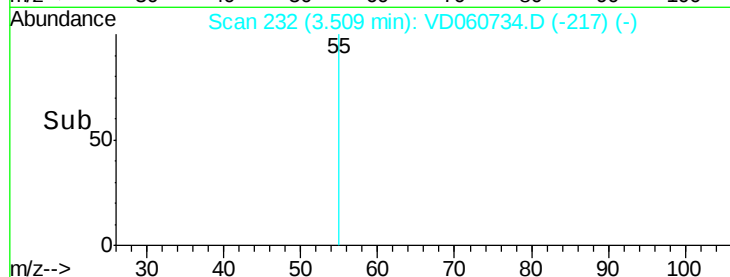
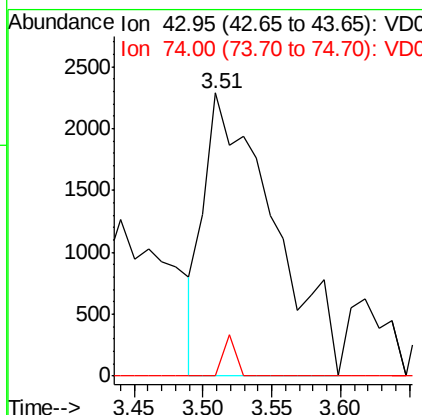
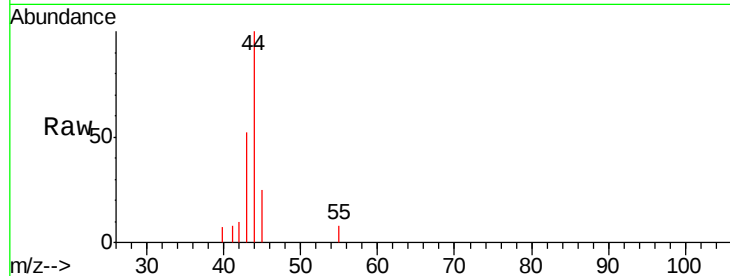




#18
Methyl Acetate
Concen: 37.451 ug/l
RT: 3.51 min Scan# 232
Delta R.T. -0.05 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

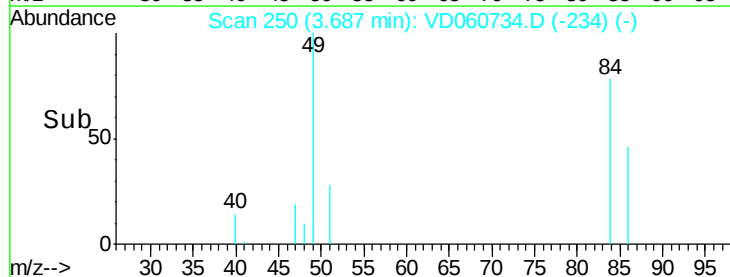
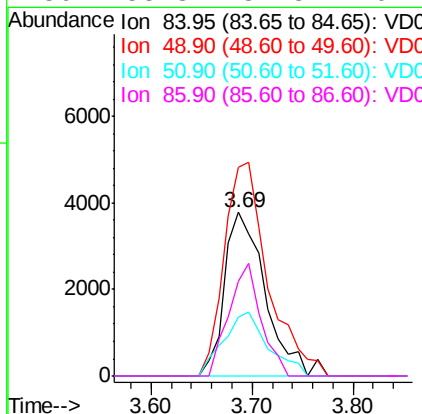
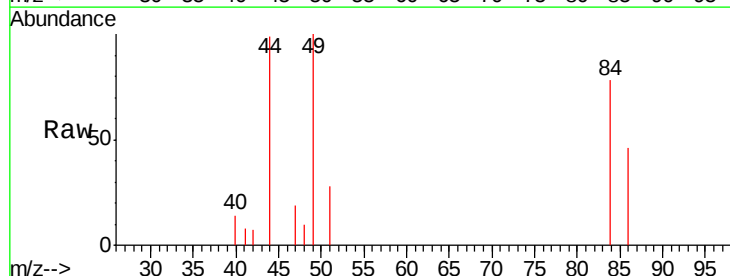
Instrument :
MSVOA_D
ClientSampleId :
P001-SS024-0006-01RE

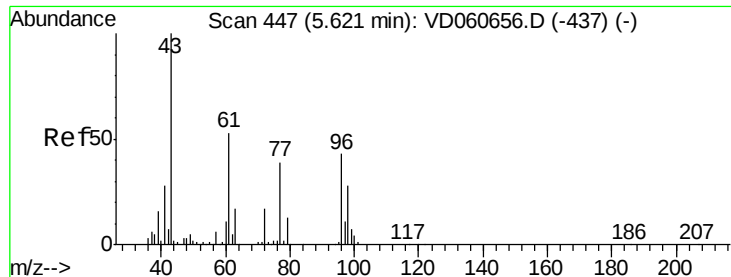
Tgt Ion: 43 Resp: 7992
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 11.982 ug/l
RT: 3.69 min Scan# 250
Delta R.T. -0.04 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

Tgt Ion: 84 Resp: 10715
Ion Ratio Lower Upper
84 100
49 127.4 113.6 170.4
51 36.1 34.7 52.1
86 58.3 52.8 79.2

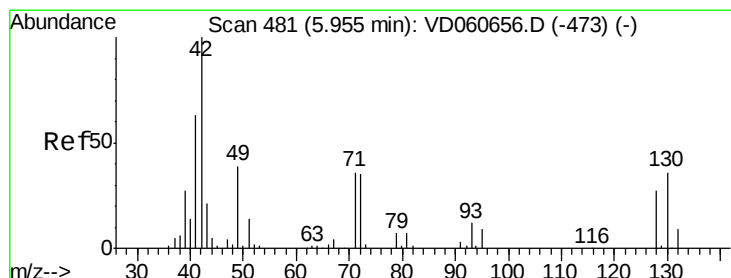
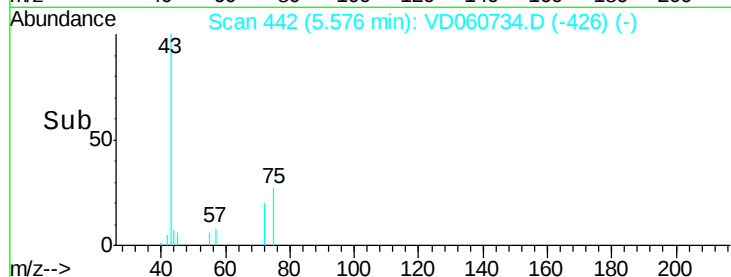
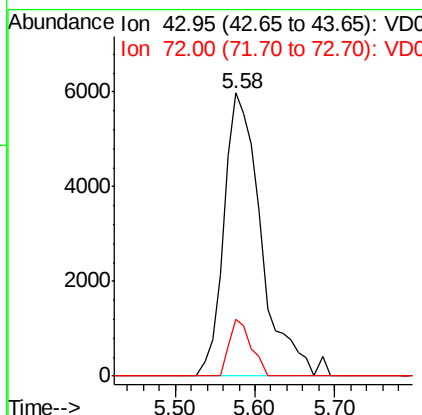
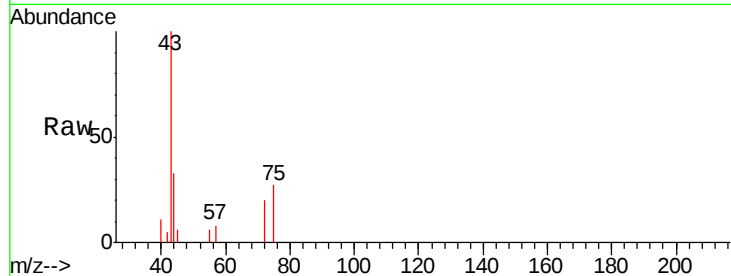




#25
2-Butanone
Concen: 118.970 ug/l
RT: 5.58 min Scan# 442
Delta R.T. -0.04 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

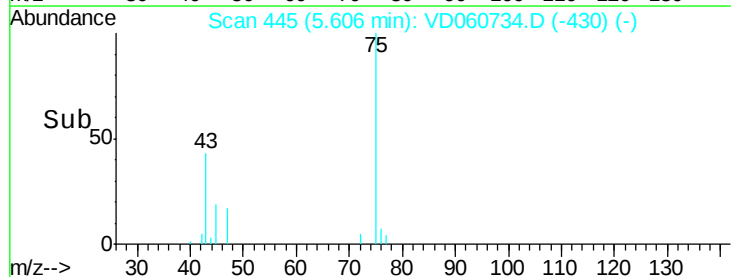
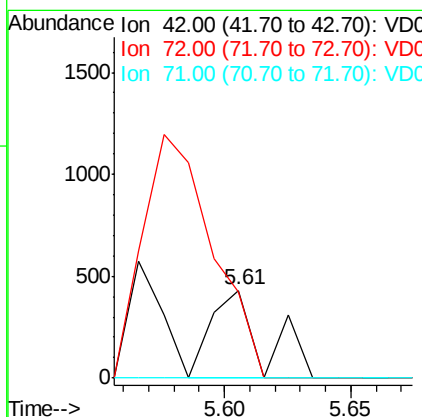
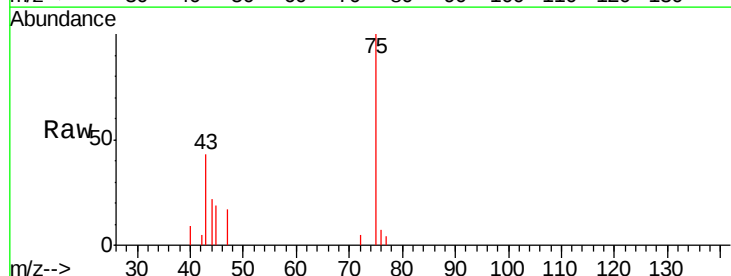
Instrument :
MSVOA_D
ClientSampleId :
P001-SS024-0006-01RE

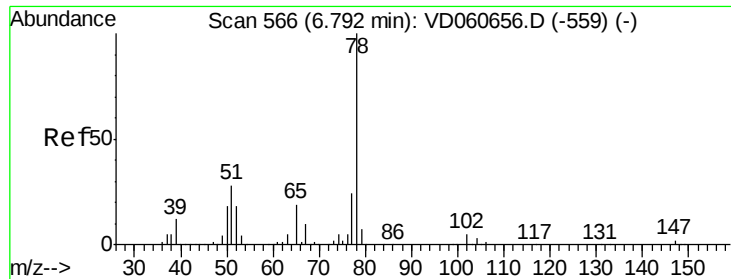
Tgt Ion: 43 Resp: 19603
Ion Ratio Lower Upper
43 100
72 20.0 13.7 20.5



#29
Tetrahydrofuran
Concen: 6.702 ug/l
RT: 5.61 min Scan# 445
Delta R.T. -0.35 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

Tgt Ion: 42 Resp: 626
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.0 40.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.75 min Scan# 561

Delta R.T. -0.04 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

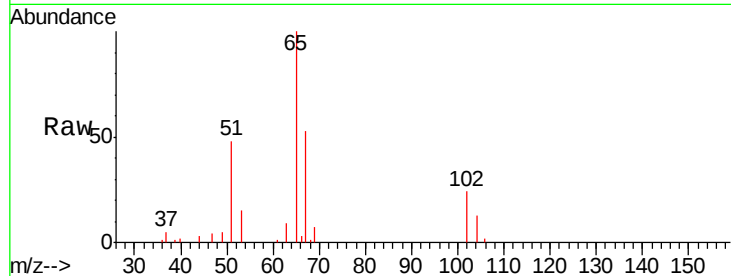
P001-SS024-0006-01RE

Tgt Ion: 65 Resp: 89916

Ion Ratio Lower Upper

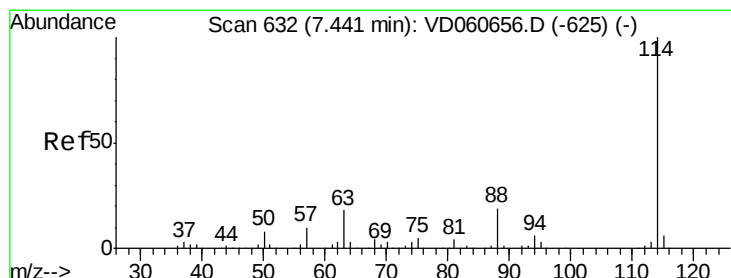
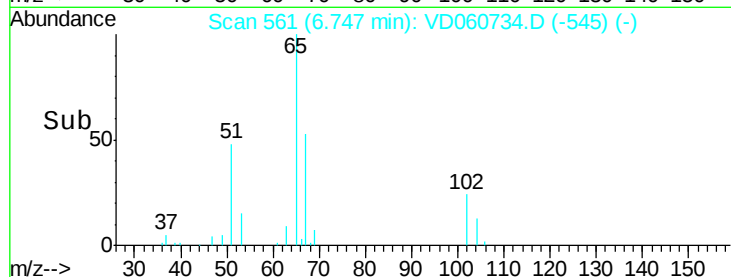
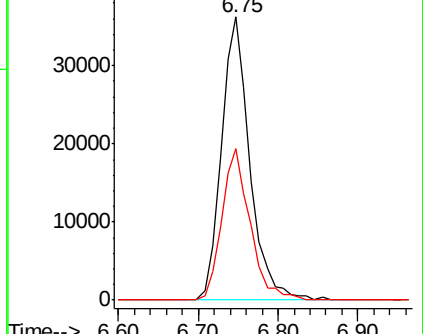
65 100

67 53.4 0.0 105.4



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: 7.41 min Scan# 628

Delta R.T. -0.03 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

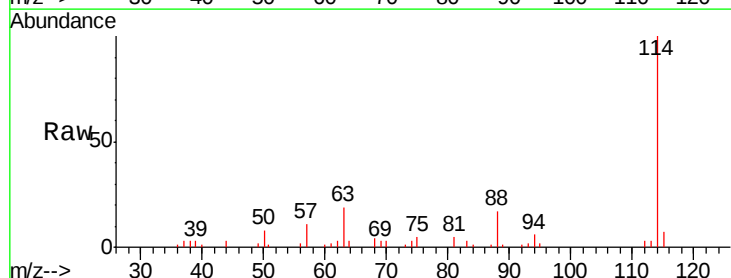
Tgt Ion: 114 Resp: 112666

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.2

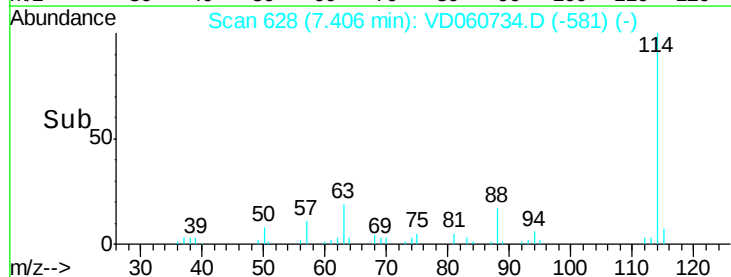
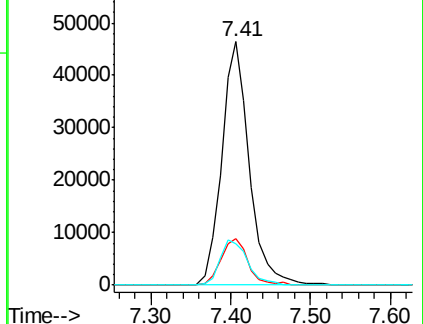
88 17.1 0.0 37.0

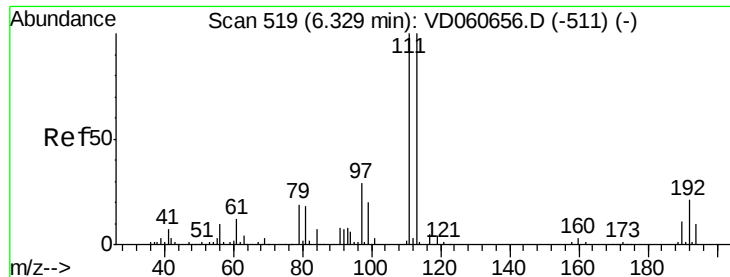


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

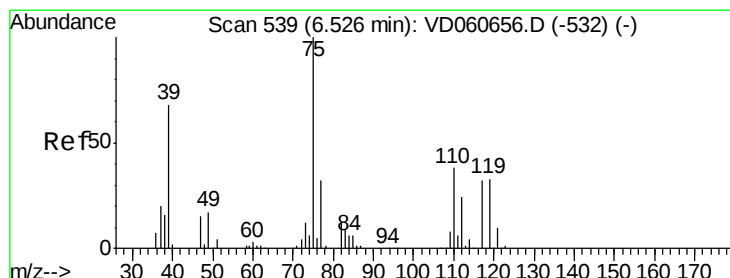
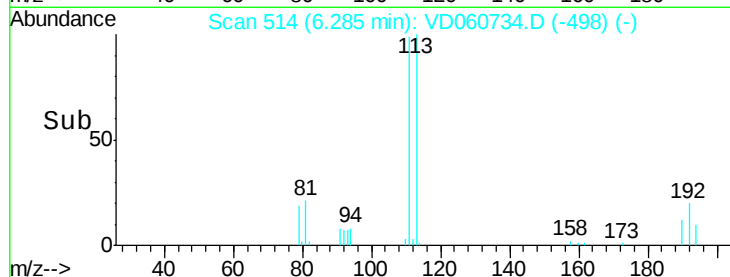
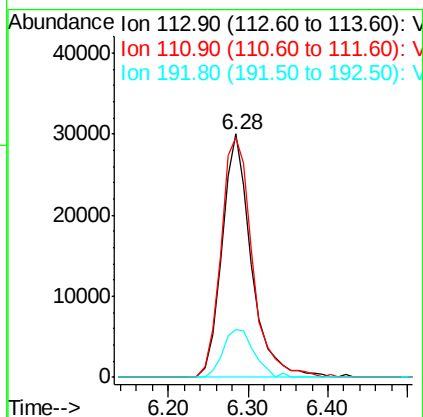
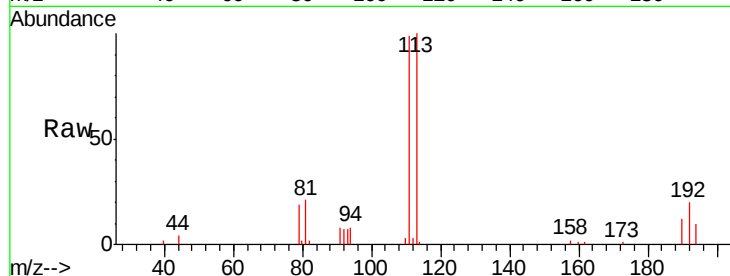




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.28 min Scan# 514
Delta R.T. -0.04 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

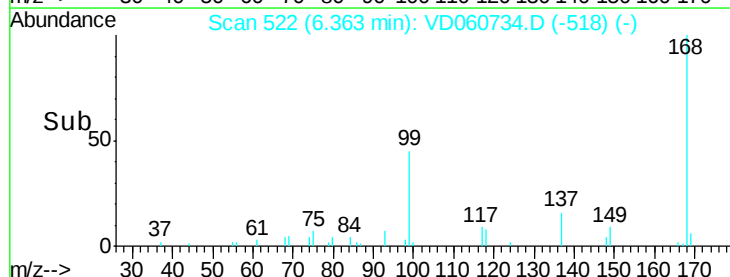
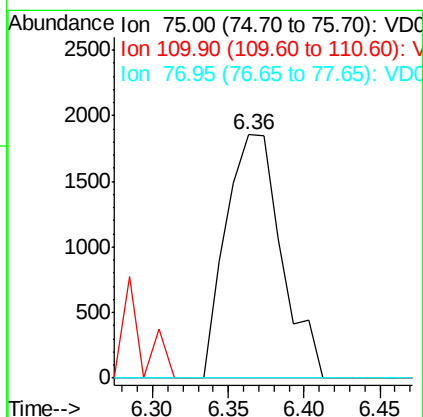
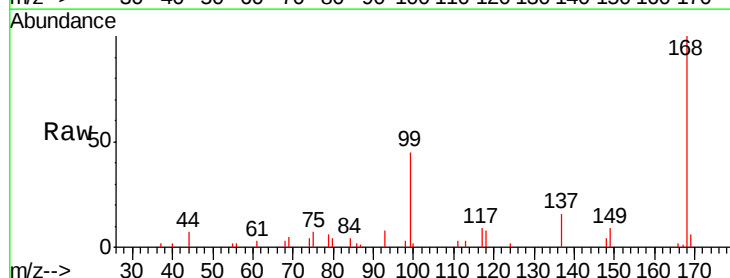
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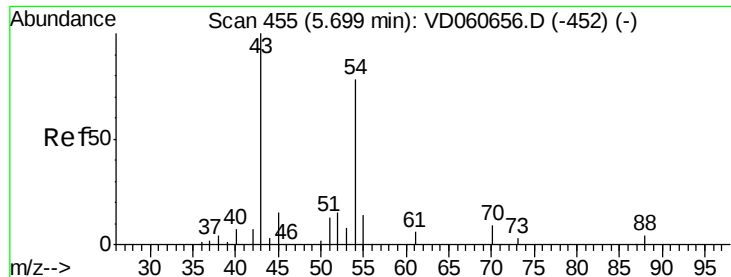
Tgt Ion:113 Resp: 77106
Ion Ratio Lower Upper
113 100
111 98.6 80.0 120.0
192 19.8 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.076 ug/l
RT: 6.36 min Scan# 522
Delta R.T. -0.16 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

Tgt Ion: 75 Resp: 4729
Ion Ratio Lower Upper
75 100
110 0.0 18.9 56.7#
77 0.0 25.4 38.0#

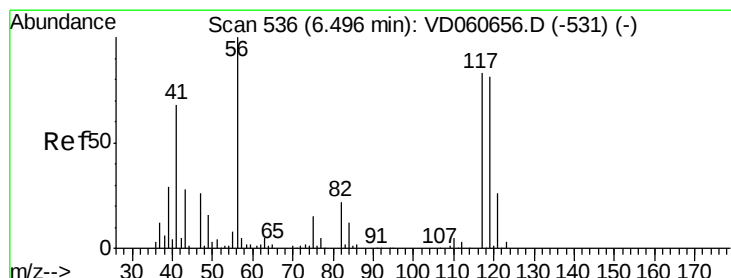
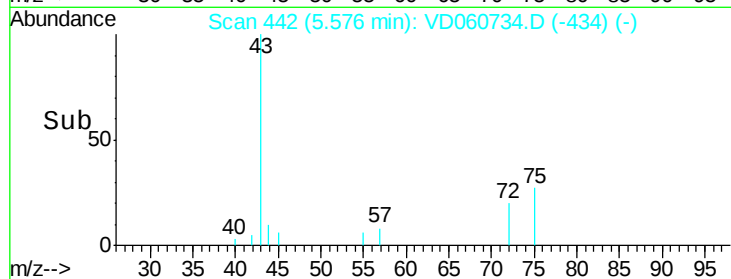
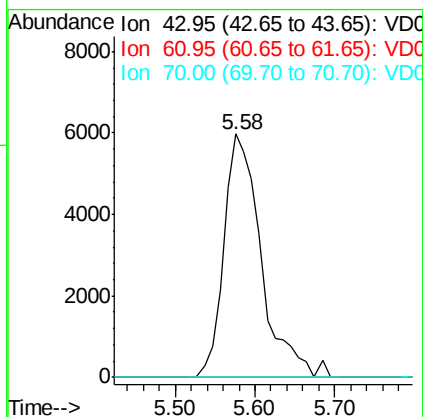
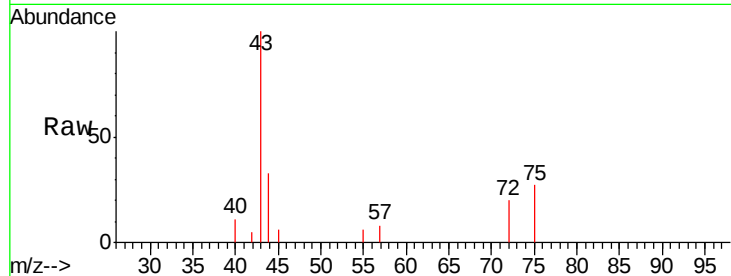




#37
Ethyl Acetate
Concen: 40.401 ug/l
RT: 5.58 min Scan# 442
Delta R.T. -0.12 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

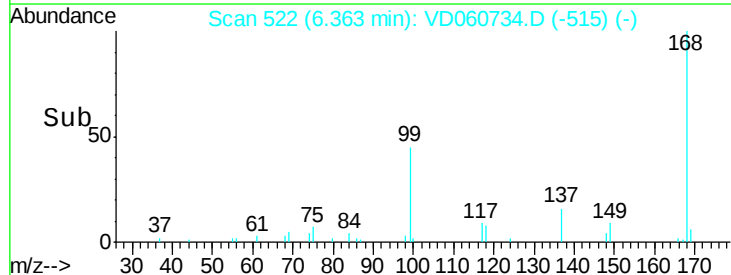
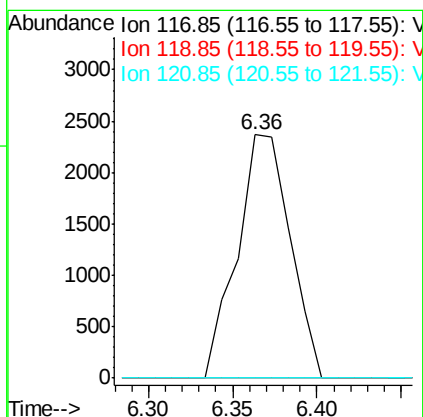
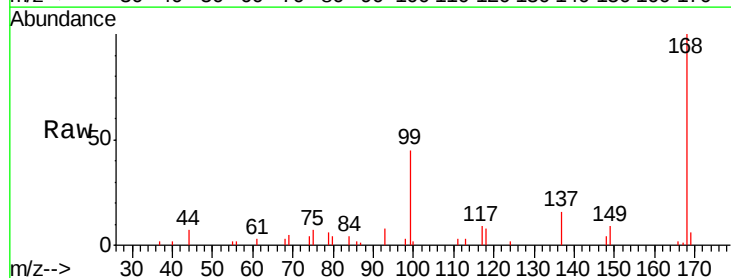
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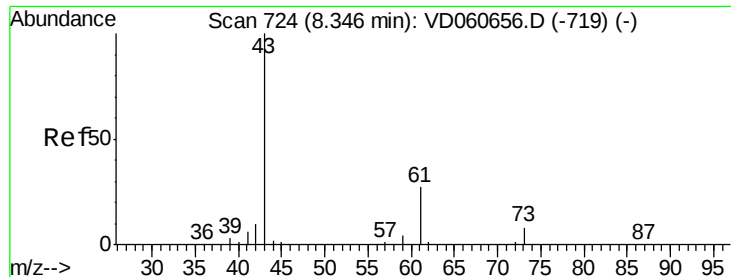
Tgt Ion: 43 Resp: 19603
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 5.8 8.6#



#38
Carbon Tetrachloride
Concen: 5.043 ug/l
RT: 6.36 min Scan# 522
Delta R.T. -0.13 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

Tgt Ion: 117 Resp: 5162
Ion Ratio Lower Upper
117 100
119 0.0 77.0 115.4#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.026 ug/l

RT: 8.00 min Scan# 688

Delta R.T. -0.35 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

P001-SS024-0006-01RE

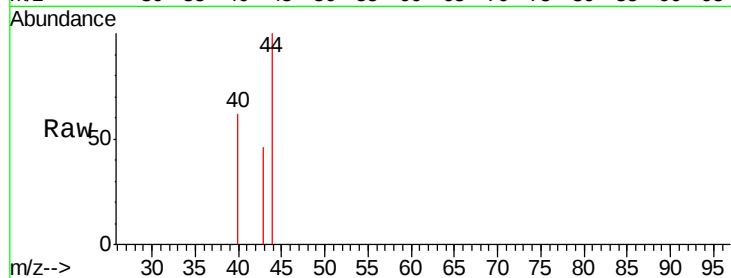
Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

61 0.0 21.8 32.8#

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

8.00

400

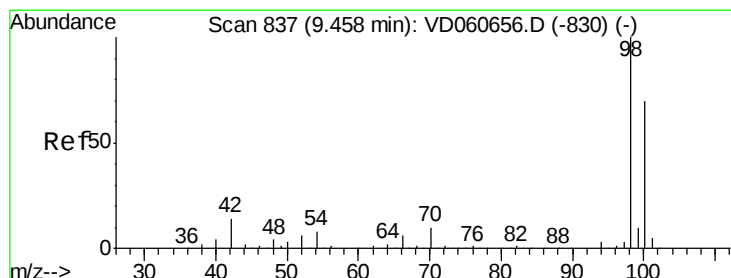
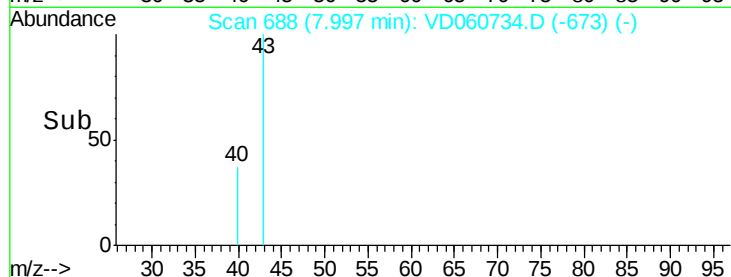
300

200

100

0

Time--> 7.95 8.00 8.05



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.41 min Scan# 832

Delta R.T. -0.04 min

Lab File: VD060734.D

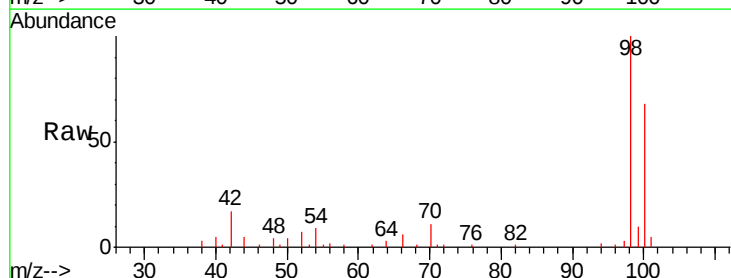
Acq: 27 Dec 2018 18:50

Tgt Ion: 98 Resp: 111526

Ion Ratio Lower Upper

98 100

100 67.7 55.8 83.8



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

9.41

50000

40000

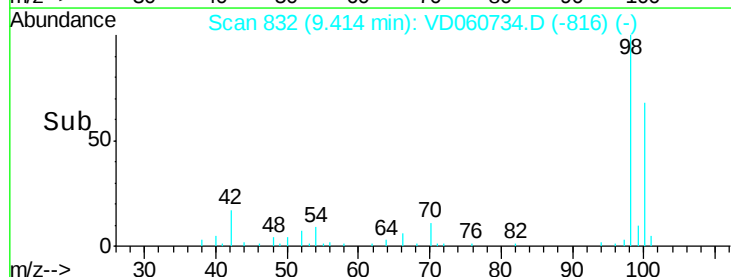
30000

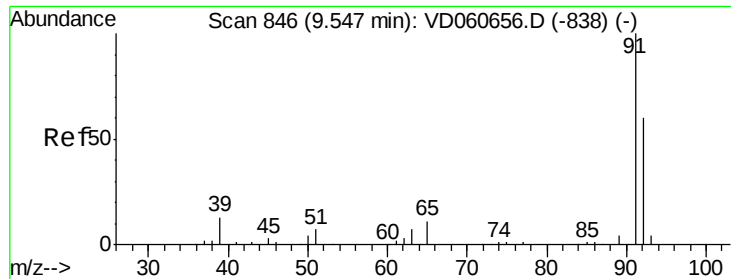
20000

10000

0

Time--> 9.30 9.40 9.50





#52

Toluene

Concen: 1.288 ug/l

RT: 9.51 min Scan# 842

Delta R.T. -0.03 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

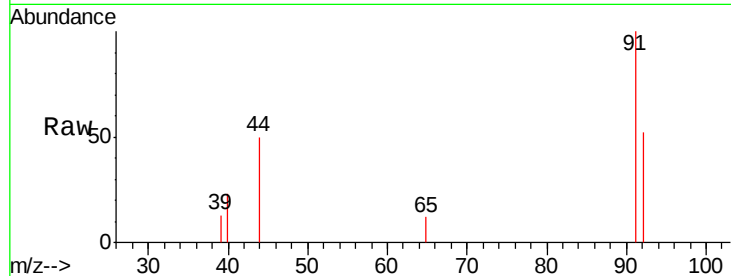
P001-SS024-0006-01RE

Tgt Ion: 92 Resp: 2419

Ion Ratio Lower Upper

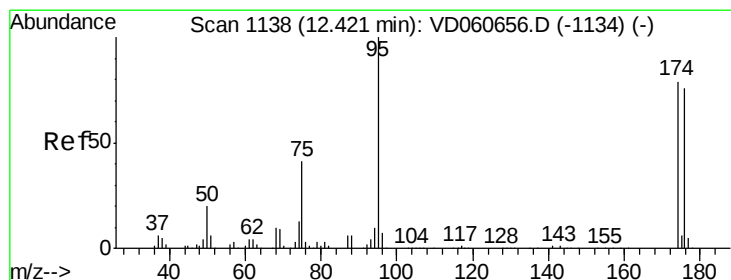
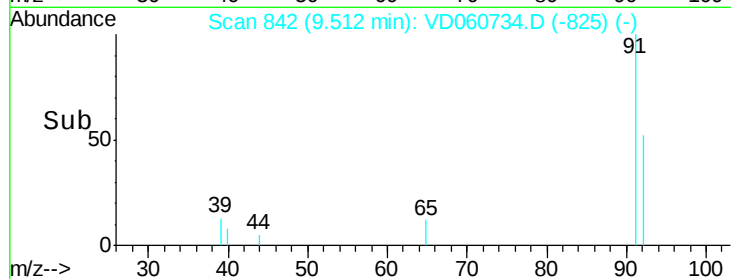
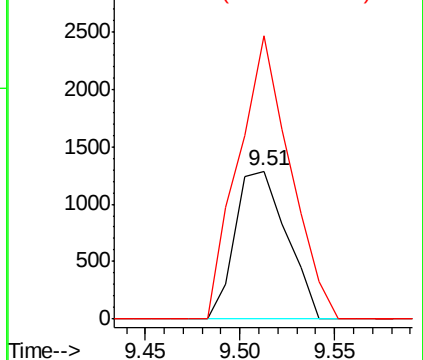
92 100

91 191.7 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

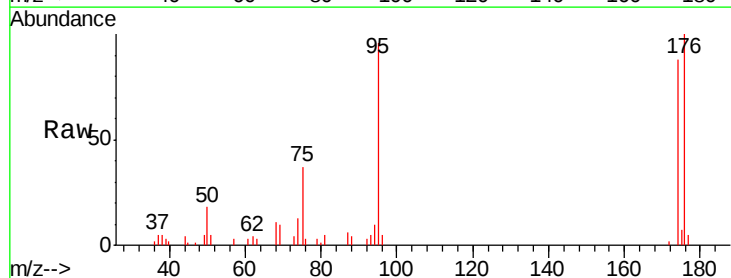
Tgt Ion: 95 Resp: 30177

Ion Ratio Lower Upper

95 100

174 92.3 0.0 158.2

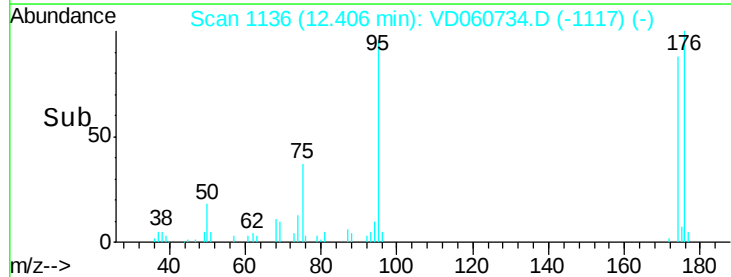
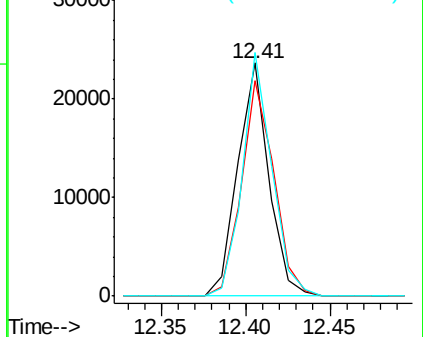
176 104.5 0.0 152.4

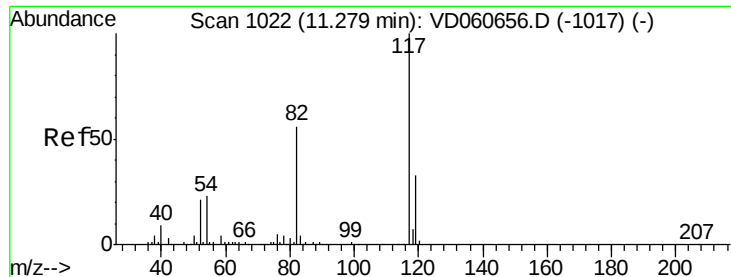


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

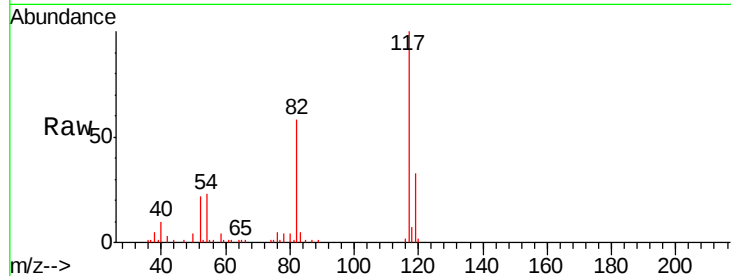




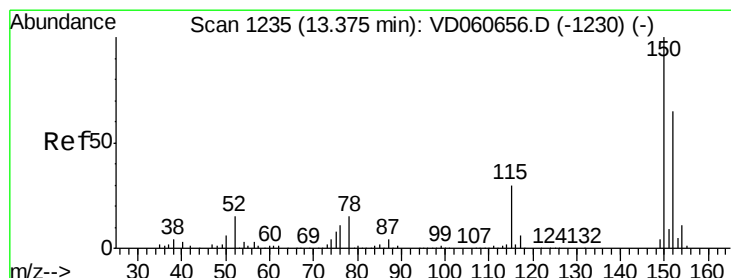
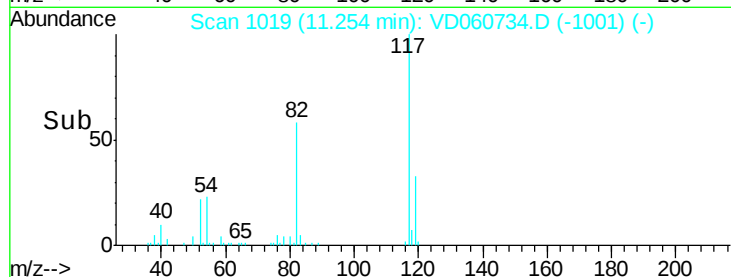
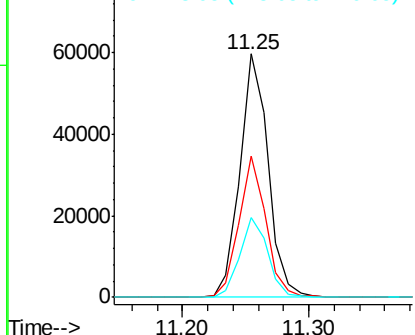
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.25 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

Instrument :
MSVOA_D
ClientSampleId :
P001-SS024-0006-01RE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.5	66.7
119	32.6	26.3	39.5

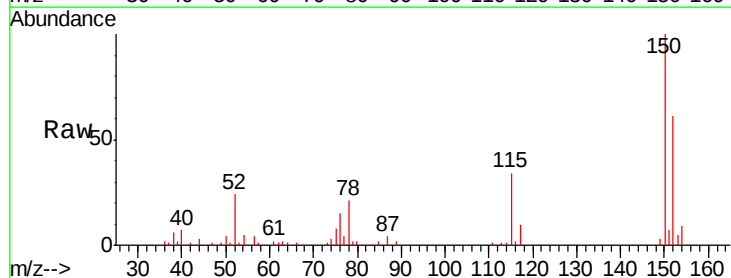


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

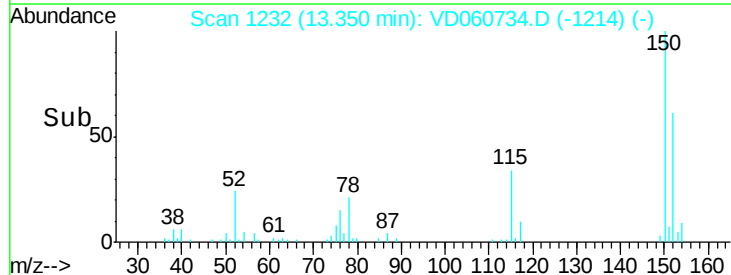
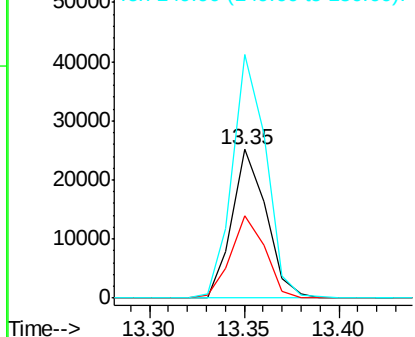


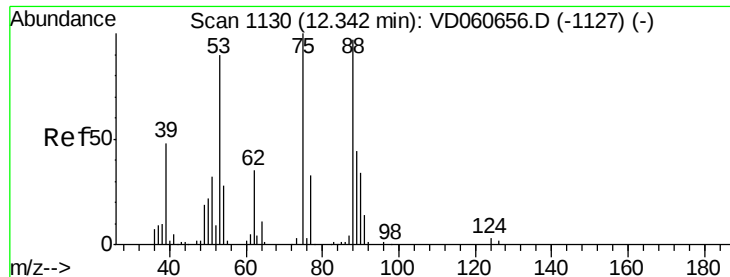
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VD060734.D
Acq: 27 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	24.1	72.3
150	163.8	0.0	315.0



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: 122.019 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

Instrument :

MSVOA_D

ClientSampleId :

P001-SS024-0006-01RE

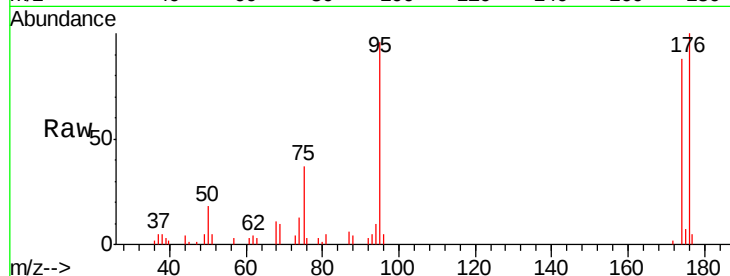
Tgt Ion: 75 Resp: 12077

Ion Ratio Lower Upper

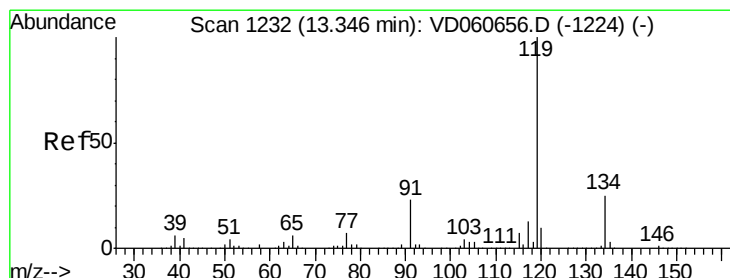
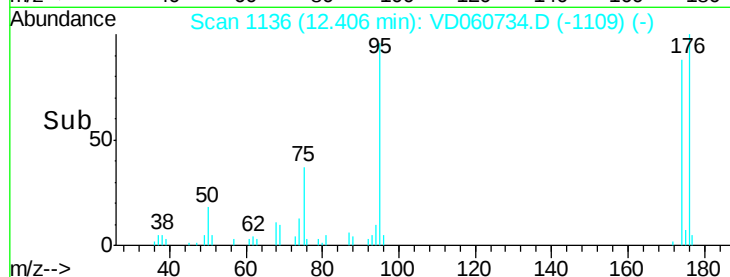
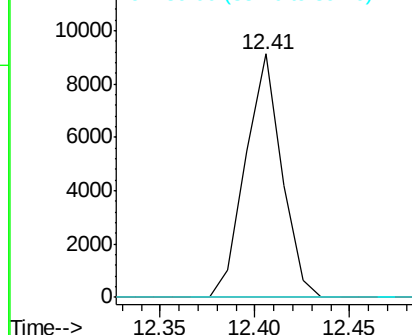
75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#86

p-Isopropyltoluene

Concen: 1.908 ug/l

RT: 13.32 min Scan# 1229

Delta R.T. -0.02 min

Lab File: VD060734.D

Acq: 27 Dec 2018 18:50

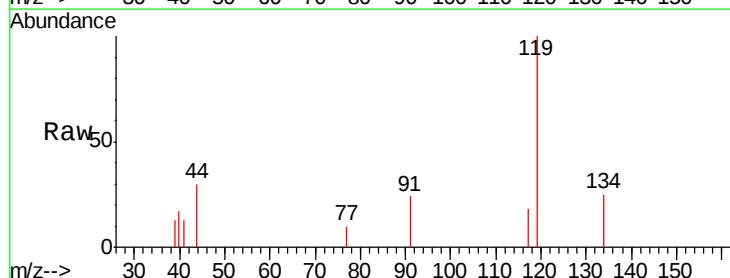
Tgt Ion: 119 Resp: 3698

Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

91 23.8 11.4 34.2



Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): VDC

