

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055055.D
 Acq On : 15 Apr 2019 20:53
 Operator : JC/SP
 Sample : K2397-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-S

Quant Time: Apr 16 05:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	535527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	830763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	232841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	335896	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	7.59	113	268063	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	10.09	98	1017537	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	295901	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	

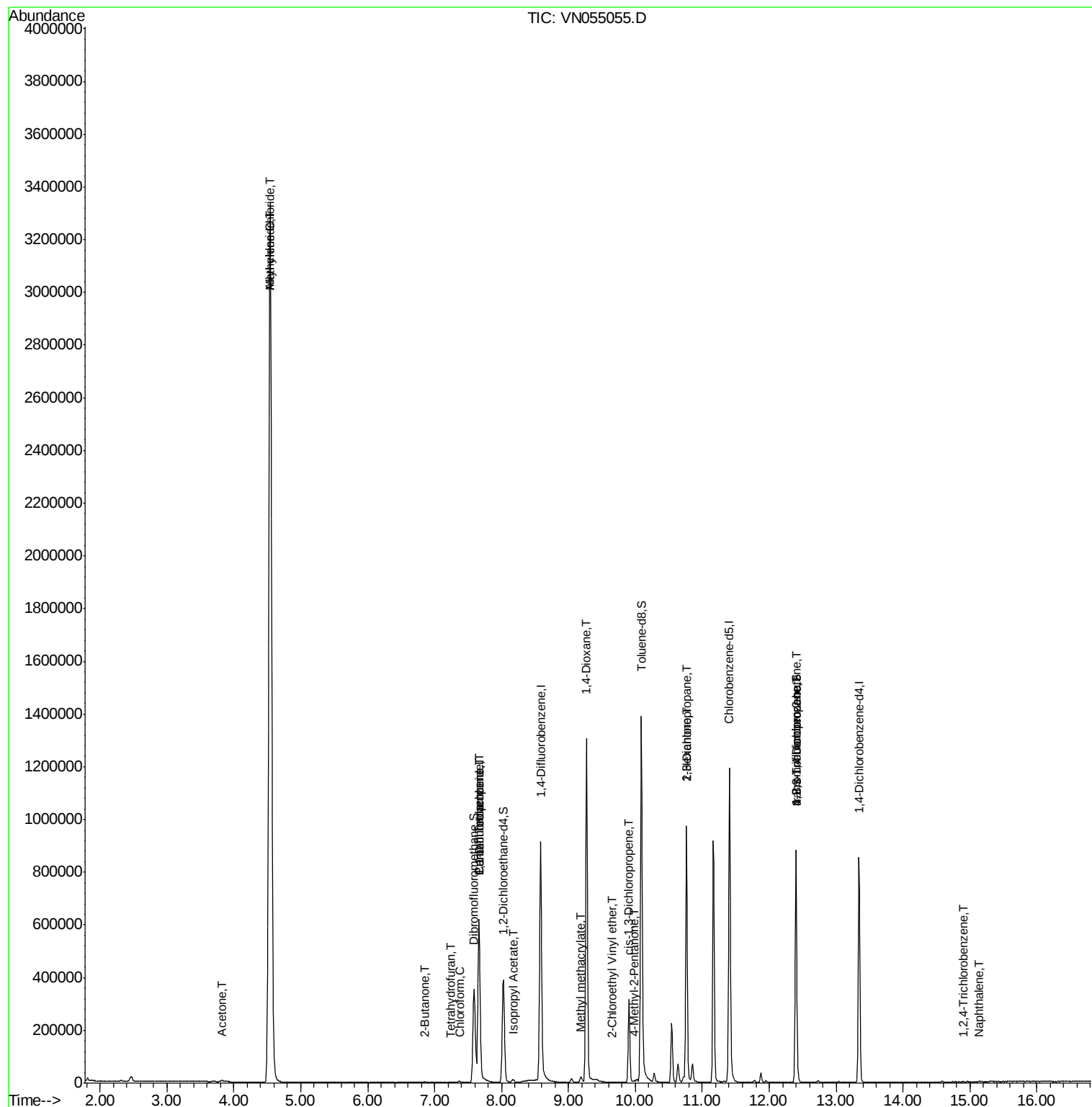
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.54	41	107919	10.373	ug/l #	26
16) Acetone	3.82	43	8476	4.387	ug/l	100
18) Methyl Acetate	4.33	43	2120	Below Cal	#	72
20) Methylene Chloride	4.54	84	2352851	346.419	ug/l	97
25) 2-Butanone	6.85	43	3728	1.293	ug/l	99
29) Tetrahydrofuran	7.23	42	685	0.362	ug/l #	64
30) Chloroform	7.37	83	5285	0.478	ug/l #	81
31) Cyclohexane	7.66	56	11064	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	38560	4.924	ug/l #	49
38) Carbon Tetrachloride	7.66	117	50551	6.785	ug/l #	16
43) Isopropyl Acetate	8.17	43	16033	1.632	ug/l #	93
48) Methyl methacrylate	9.18	41	8618	1.770	ug/l #	17
49) 1,4-Dioxane	9.27	88	58	1.271	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3958	0.697	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	51279	6.120	ug/l #	69
57) 1,3-Dichloropropane	10.76	76	9262	1.044	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.67	63	74	10.763	ug/l #	50
59) 2-Hexanone	10.76	43	154756	43.412	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	151353	36.148	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151353	144.550	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	129	2.711	ug/l #	12
95) Naphthalene	15.13	128	2361	3.345	ug/l	99

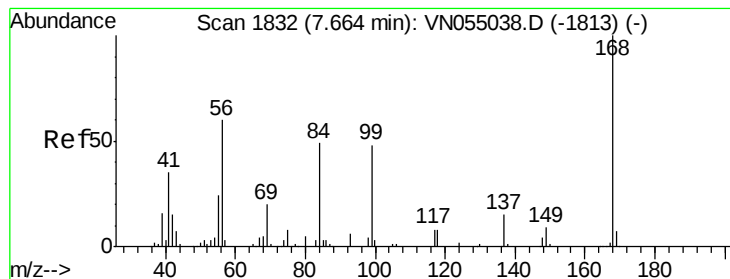
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041519\
Data File : VN055055.D
Acq On : 15 Apr 2019 20:53
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Sample : K2397-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Apr 16 05:54:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampleId :

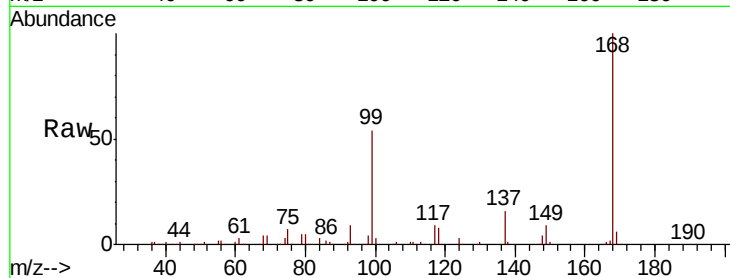
TP-3-S

Tot Ion:168 Resp: 53527

Ion Ratio Lower Upper

168 100

99 54.1 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

250000

200000

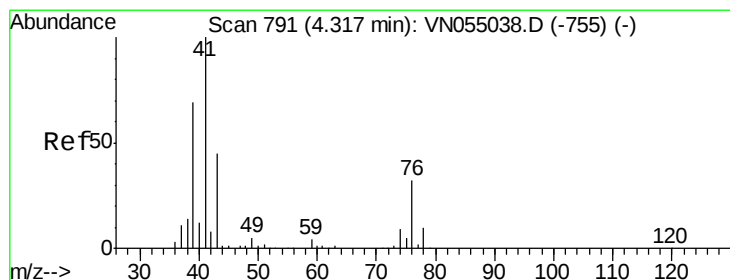
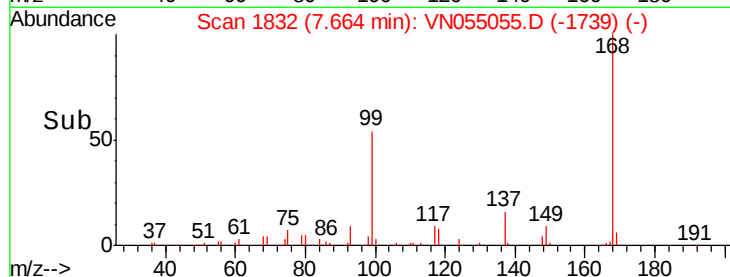
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 10.373 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.23 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

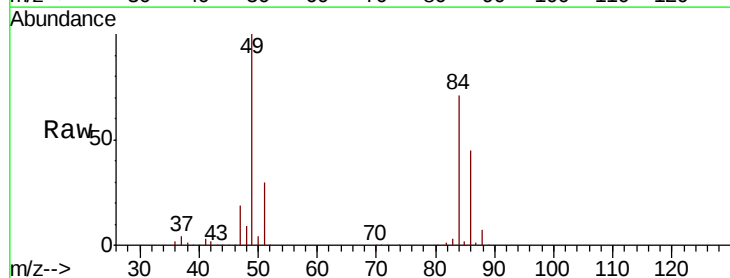
Tgt Ion: 41 Resp: 107919

Ion Ratio Lower Upper

41 100

39 0.2 52.7 79.1#

76 0.0 23.2 34.8#



Abundance Ion 41.00 (40.70 to 41.70): VN055038.D (-755) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-755) (-)

Ion 75.90 (75.60 to 76.60): VN055038.D (-755) (-)

4.54

40000

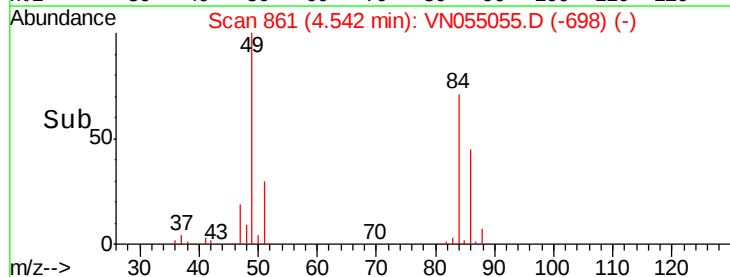
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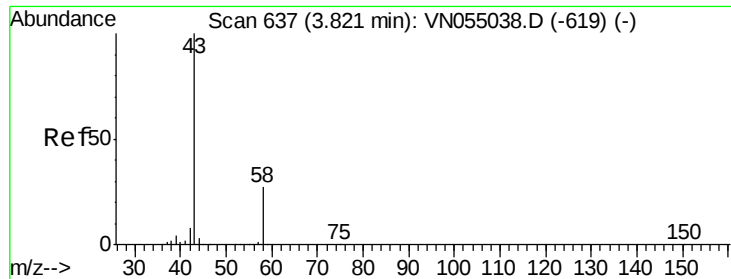
20000

10000

0

Time-->





#16

Acetone

Concen: 4.387 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampled :

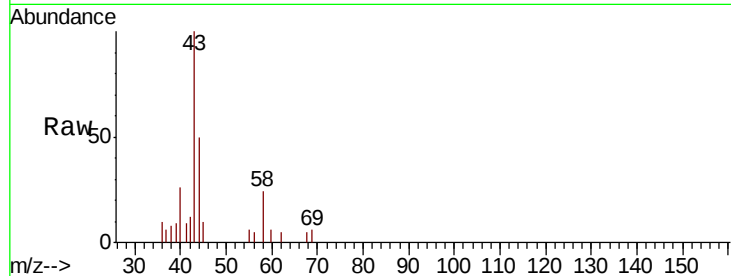
TP-3-S

Tot Ion: 43 Resp: 8476

Ion Ratio Lower Upper

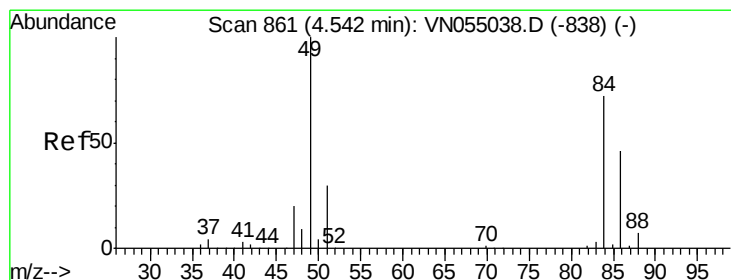
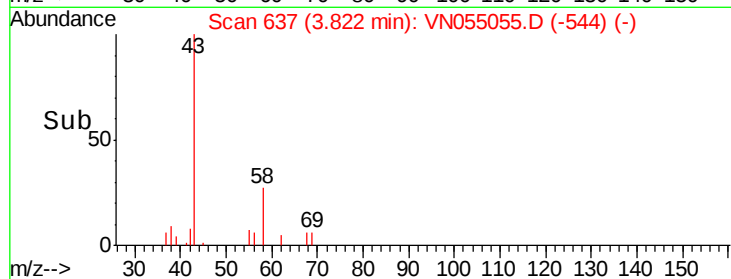
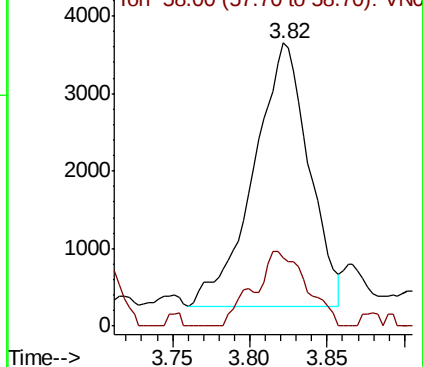
43 100

58 26.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-619) (-)



#20

Methylene Chloride

Concen: 346.419 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.00 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Tgt Ion: 84 Resp: 2352851

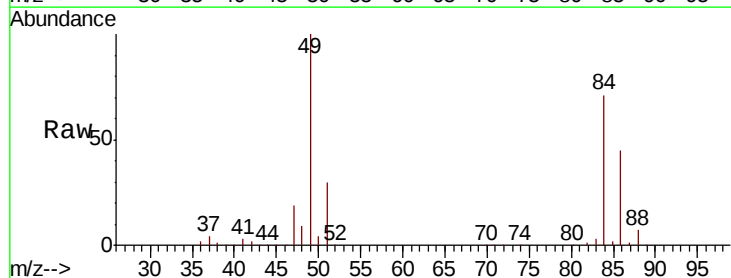
Ion Ratio Lower Upper

84 100

49 140.1 109.4 164.2

51 42.7 32.2 48.4

86 63.4 49.3 73.9

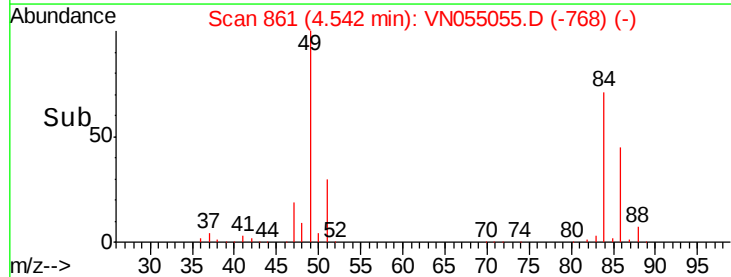
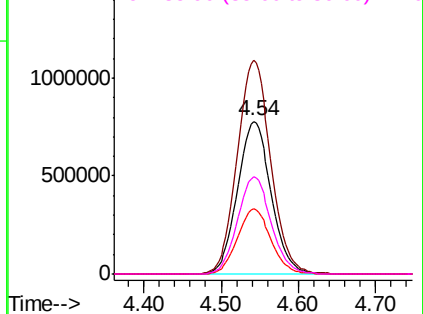


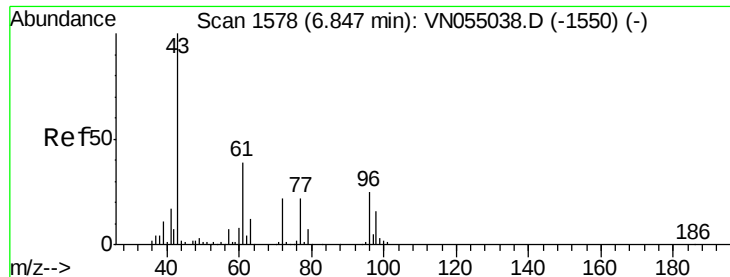
Abundance Ion 83.90 (83.60 to 84.60): VN055038.D (-838) (-)

Ion 48.90 (48.60 to 49.60): VN055038.D (-838) (-)

Ion 50.90 (50.60 to 51.60): VN055038.D (-838) (-)

Ion 85.90 (85.60 to 86.60): VN055038.D (-838) (-)

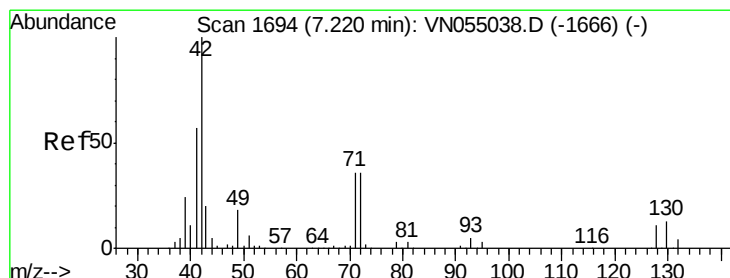
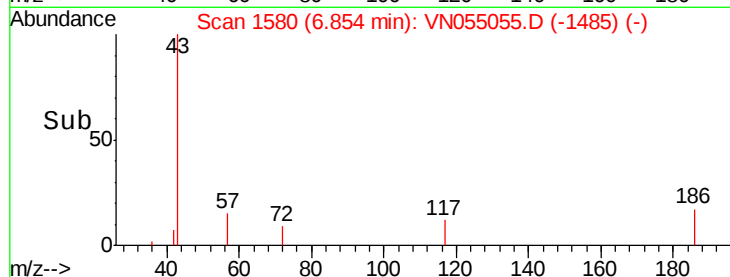
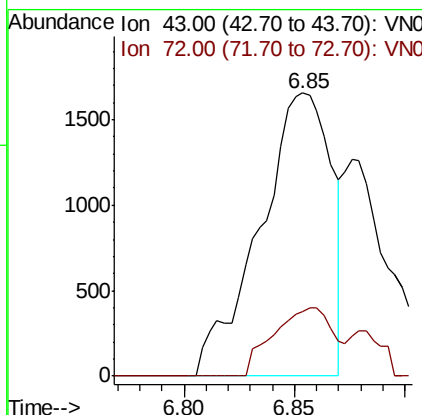
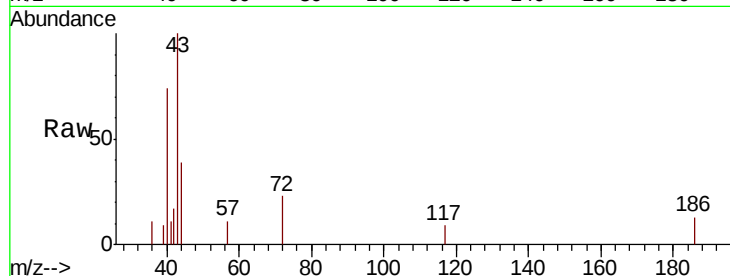




#25
2-Butanone
Concen: 1.293 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

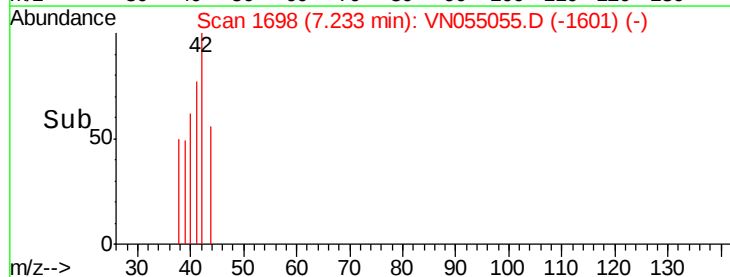
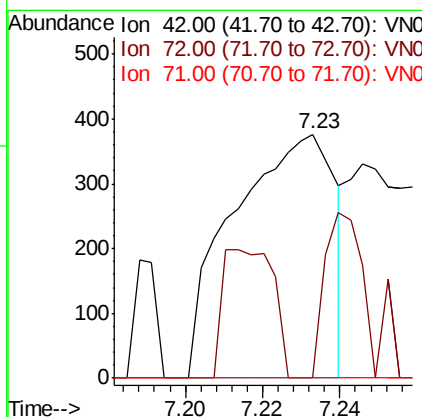
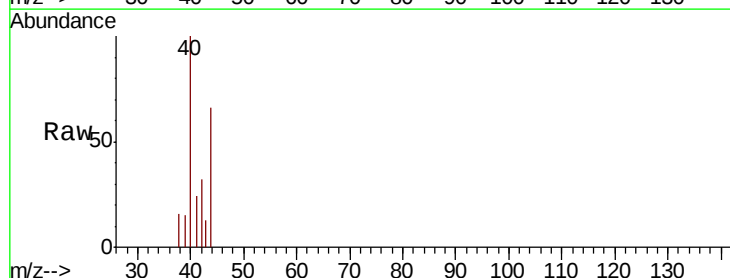
Instrument :
MSVOA_N
ClientSampled :
TP-3-S

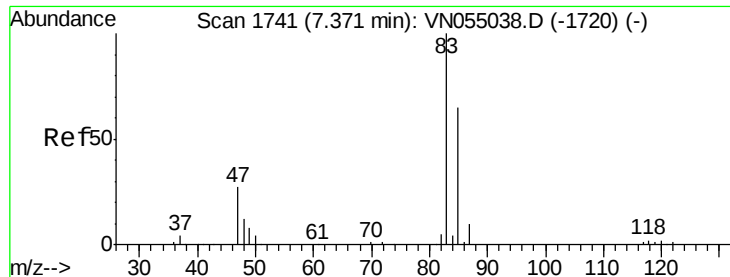
Tot Ion: 43 Resp: 3728
Ion Ratio Lower Upper
43 100
72 22.9 18.1 27.1



#29
Tetrahydrofuran
Concen: 0.362 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

Tgt Ion: 42 Resp: 685
Ion Ratio Lower Upper
42 100
72 28.6 29.4 44.0#
71 0.0 27.8 41.6#

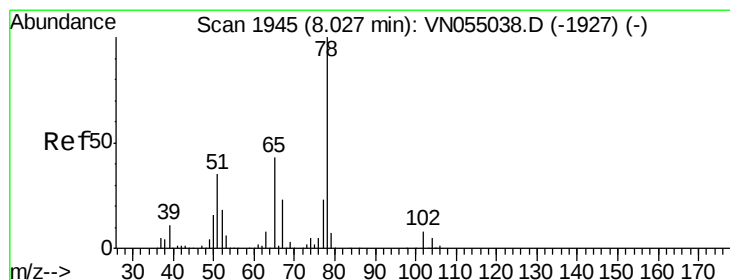
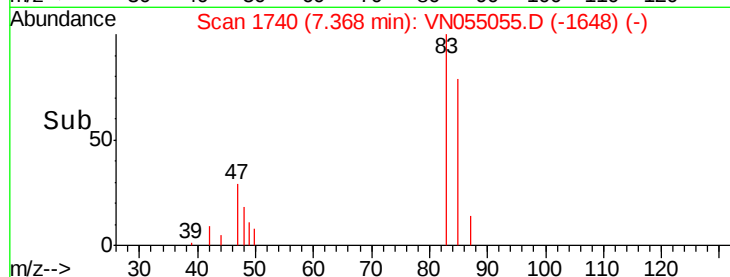
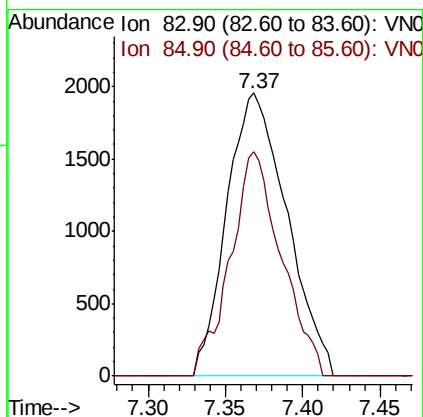
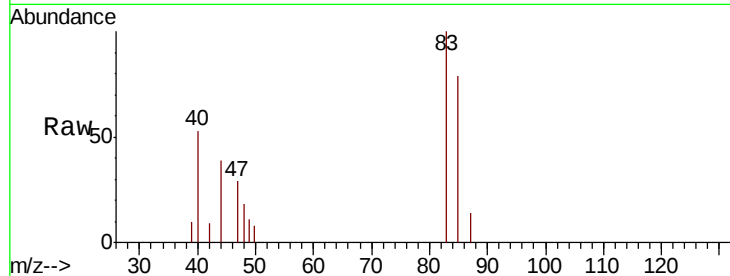




#30
Chloroform
Concen: 0.478 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

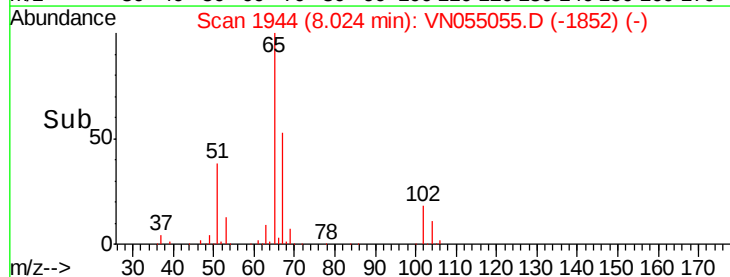
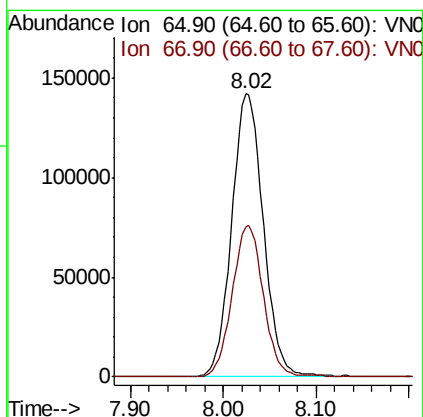
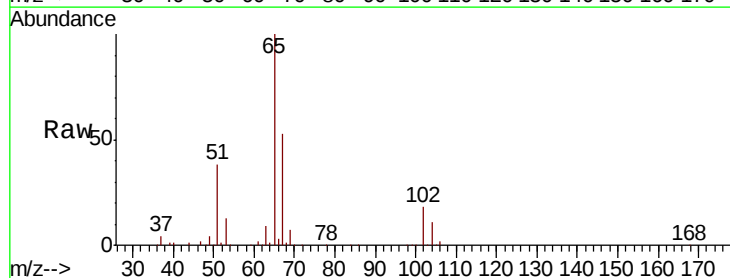
Instrument :
MSVOA_N
ClientSampled :
TP-3-S

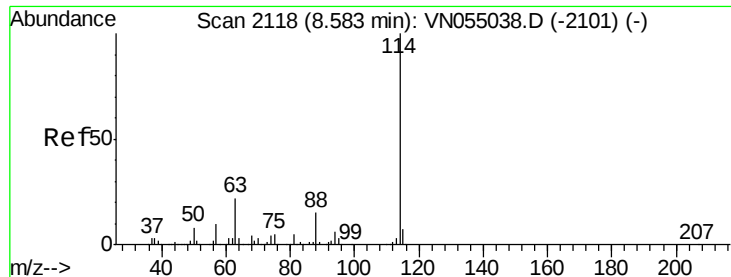
Tot Ion: 83 Resp: 5285
Ion Ratio Lower Upper
83 100
85 79.3 51.8 77.6#



#33
1,2-Dichloroethane-d4
Concen: 47.186 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

Tgt Ion: 65 Resp: 335896
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampleId :

TP-3-S

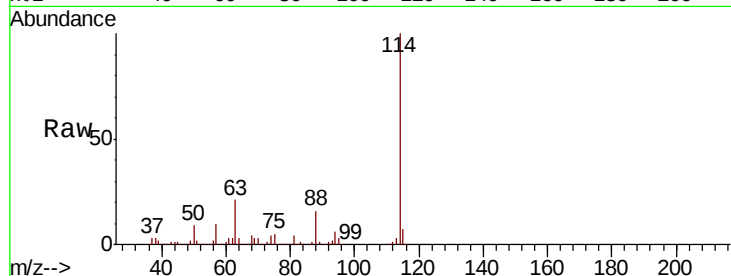
Tot Ion:114 Resp: 830763

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.2

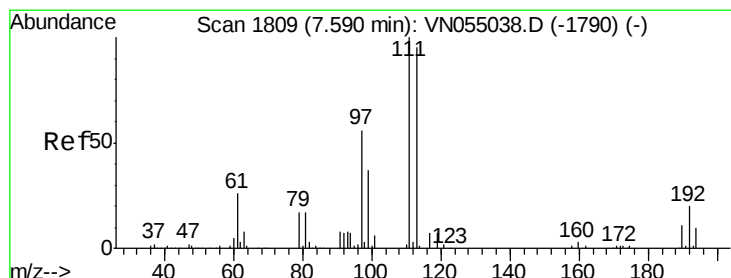
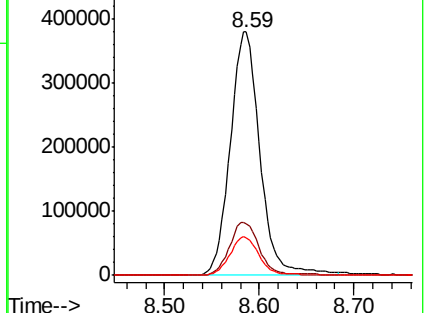
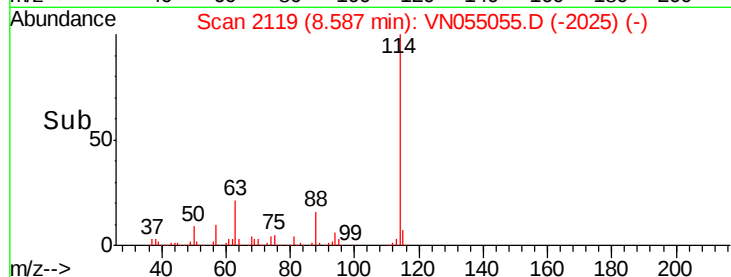
88 15.6 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.282 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

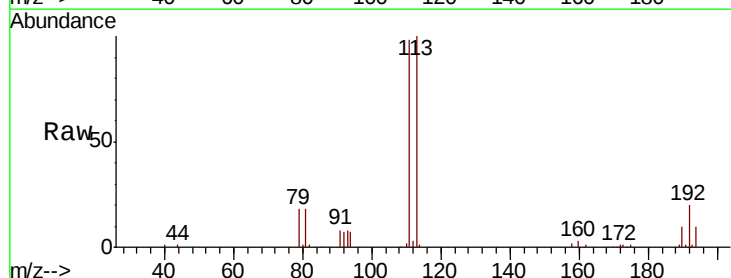
Tgt Ion:113 Resp: 268063

Ion Ratio Lower Upper

113 100

111 101.4 82.1 123.1

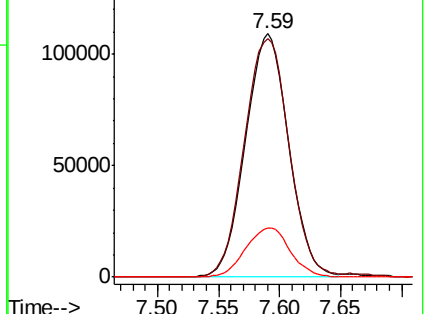
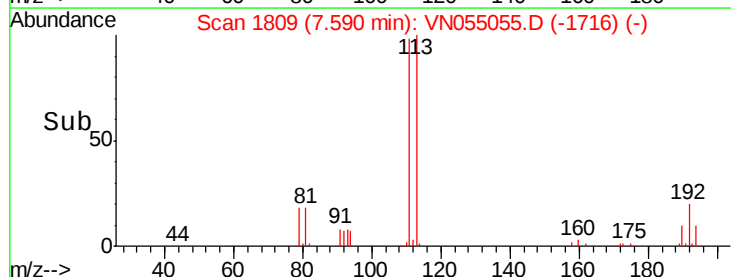
192 21.0 16.5 24.7

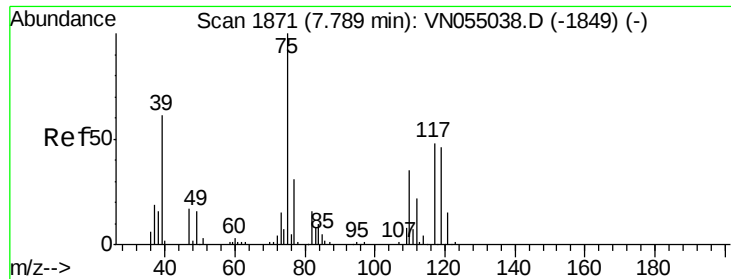


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

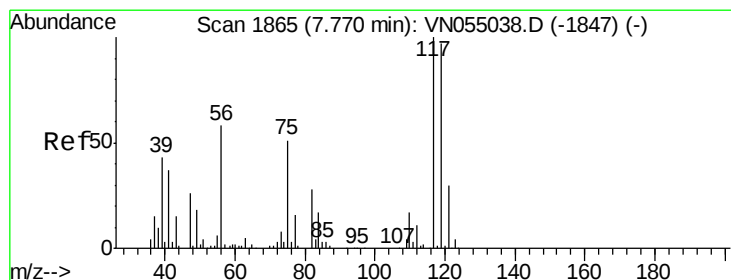
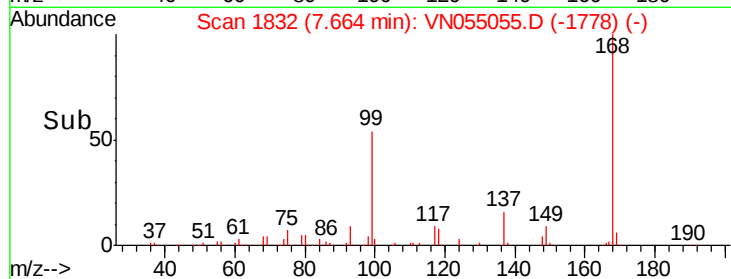
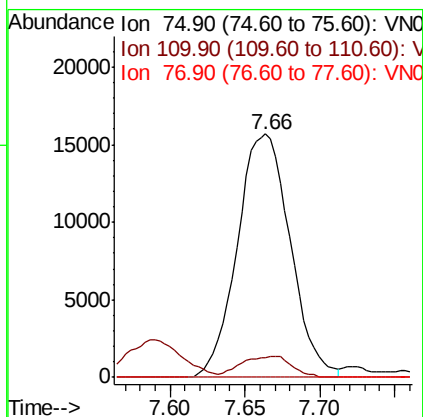
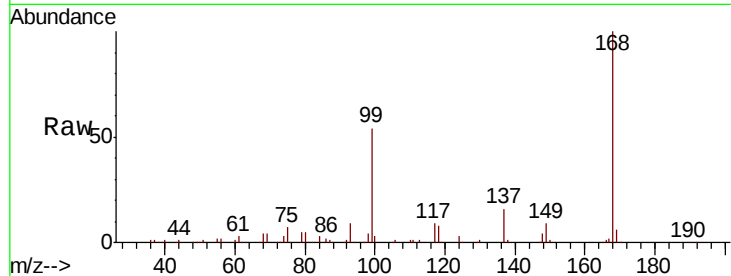




#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055055.D
 Acq: 15 Apr 2019 20:53

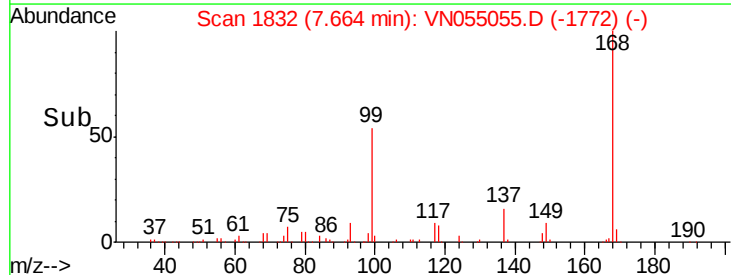
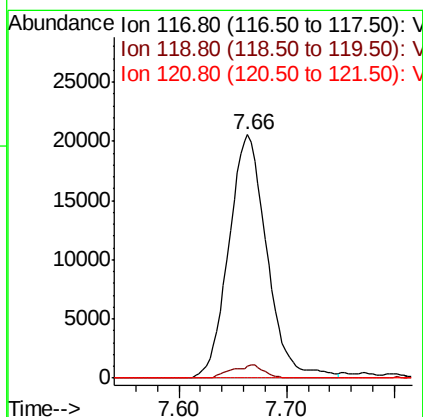
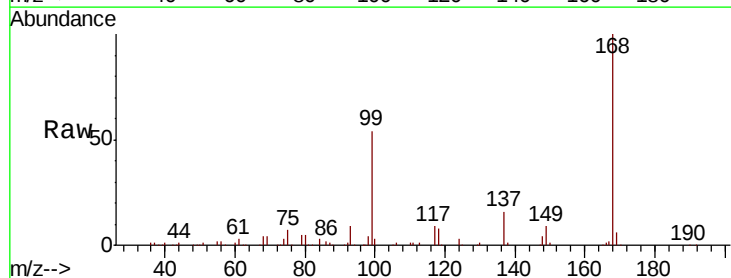
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-S

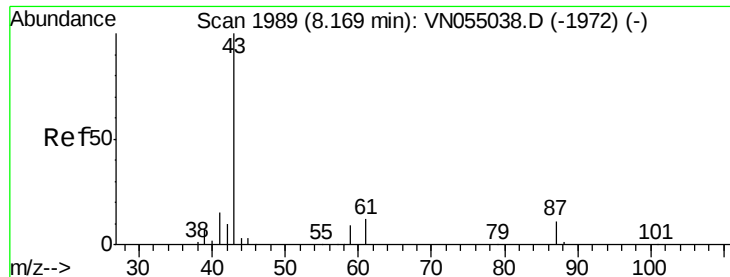
Tot Ion: 75 Resp: 38560
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.5 52.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.785 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055055.D
 Acq: 15 Apr 2019 20:53

Tgt Ion: 117 Resp: 50551
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.3 114.5#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 1.632 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampleId :

TP-3-S

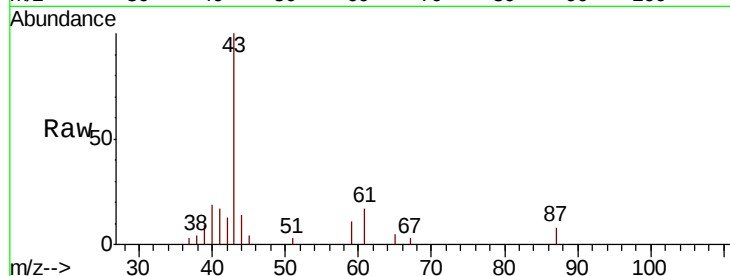
Tot Ion: 43 Resp: 16033

Ion Ratio Lower Upper

43 100

61 17.2 14.3 21.5

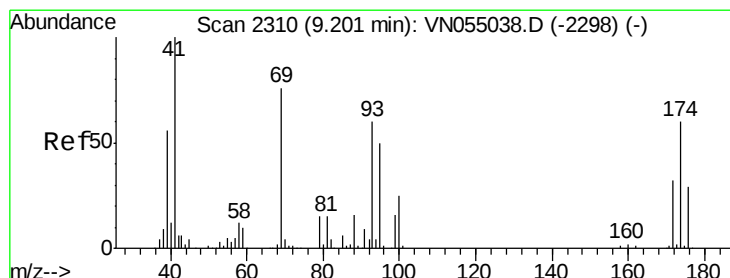
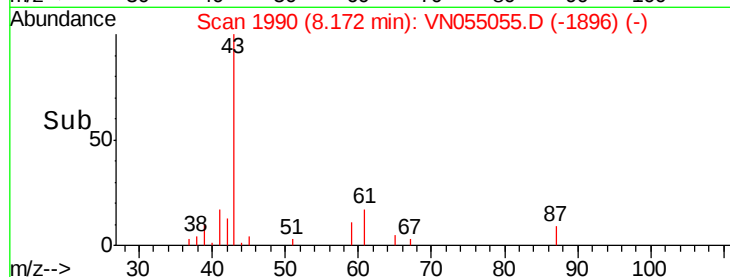
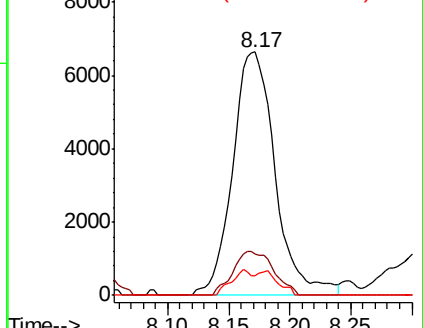
87 4.9 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.770 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

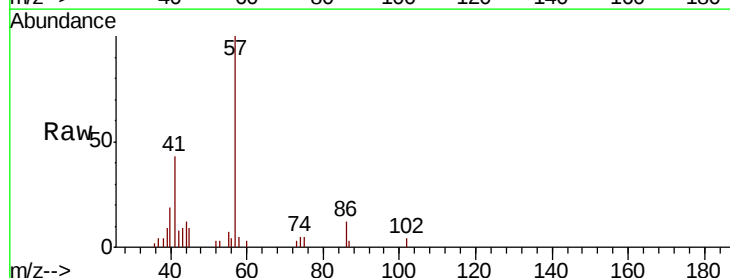
Tgt Ion: 41 Resp: 8618

Ion Ratio Lower Upper

41 100

69 0.0 60.5 90.7#

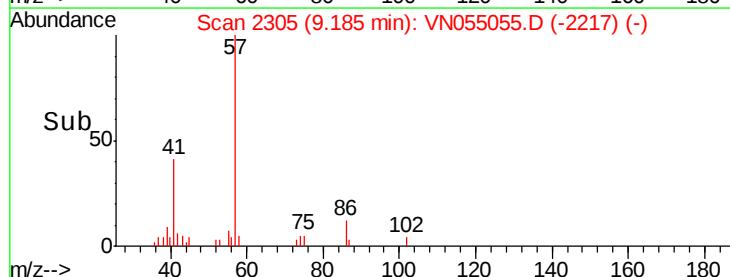
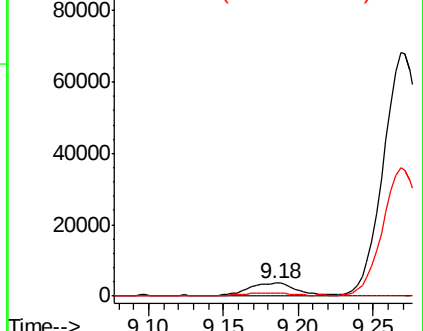
39 0.0 43.9 65.9#

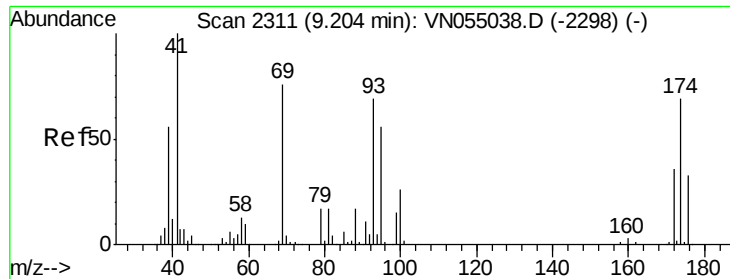


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1.271 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampleId :

TP-3-S

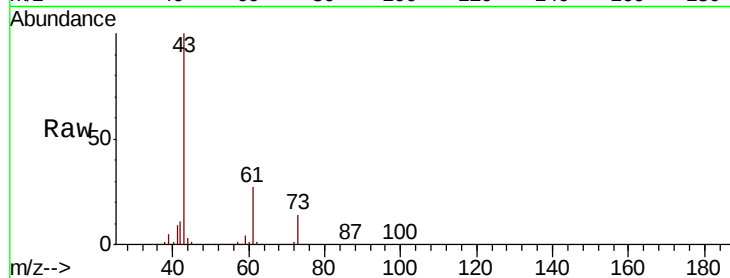
Tot Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 2358098.3 31.8 47.8#

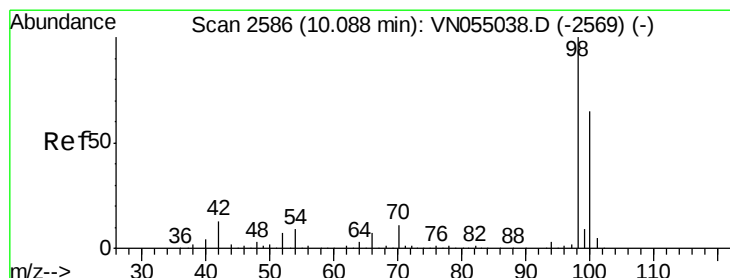
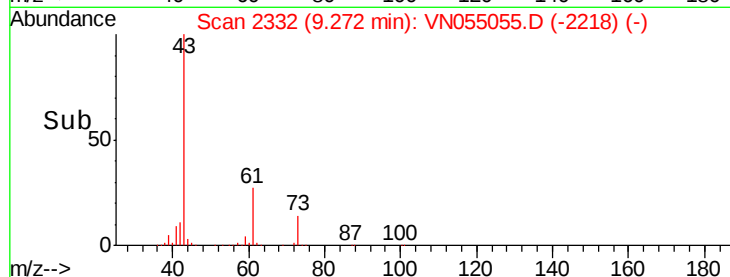
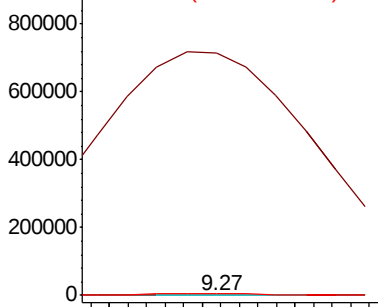
58 12432.8 61.6 92.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.207 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055055.D

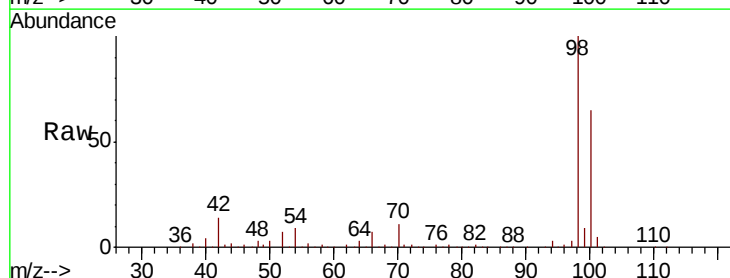
Acq: 15 Apr 2019 20:53

Tgt Ion: 98 Resp: 1017537

Ion Ratio Lower Upper

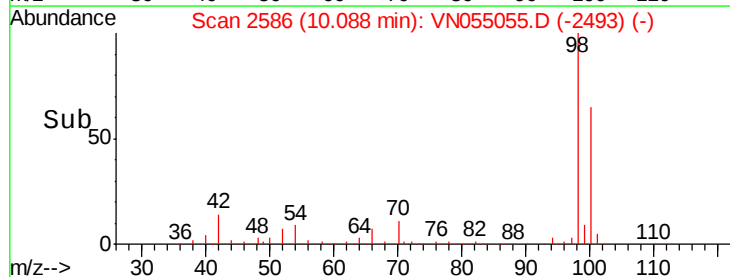
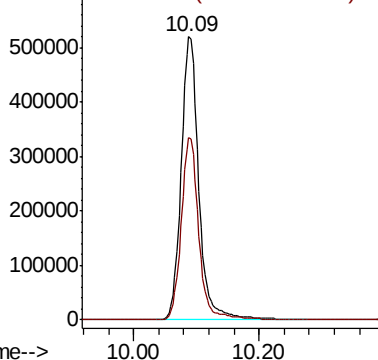
98 100

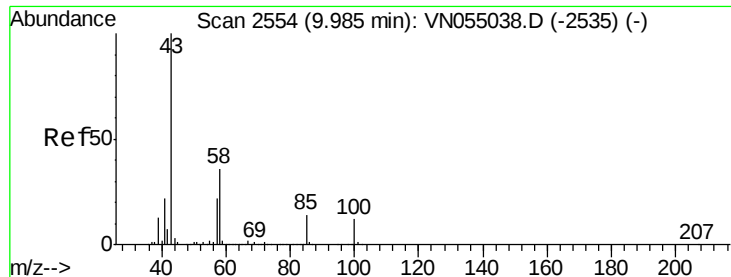
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.697 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampled :

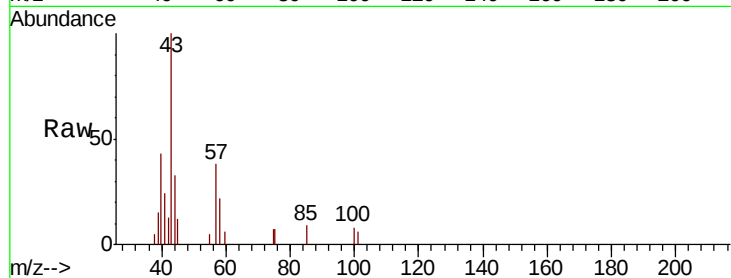
TP-3-S

Tot Ion: 43 Resp: 3958

Ion Ratio Lower Upper

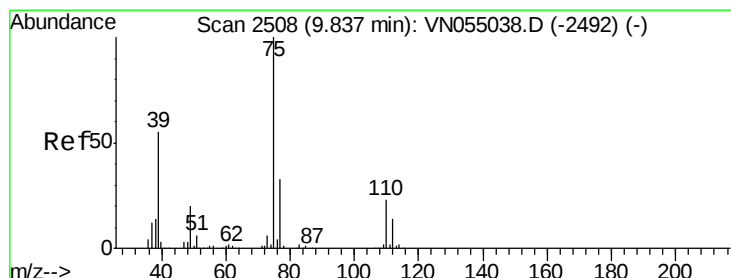
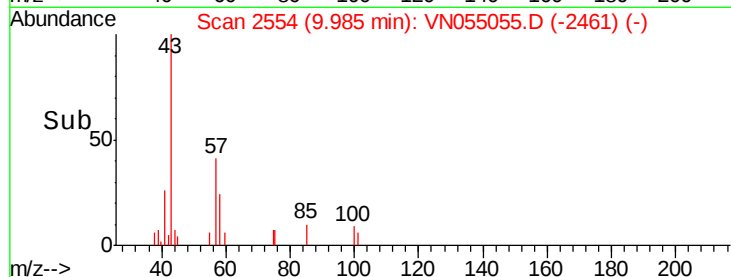
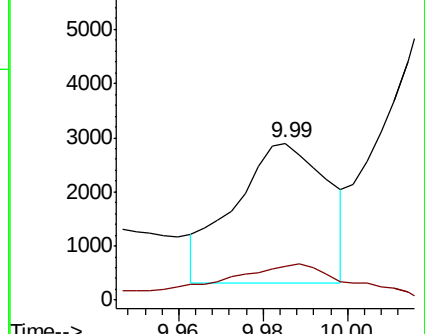
43 100

58 36.6 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2535) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.120 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

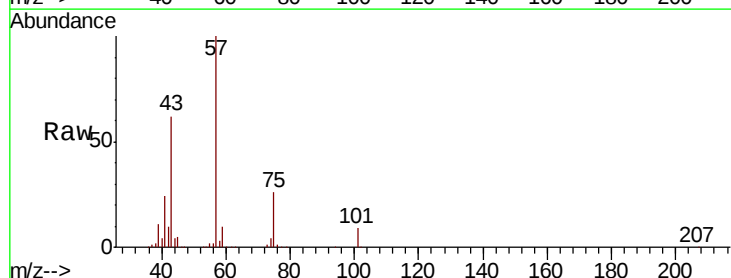
Tgt Ion: 75 Resp: 51279

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

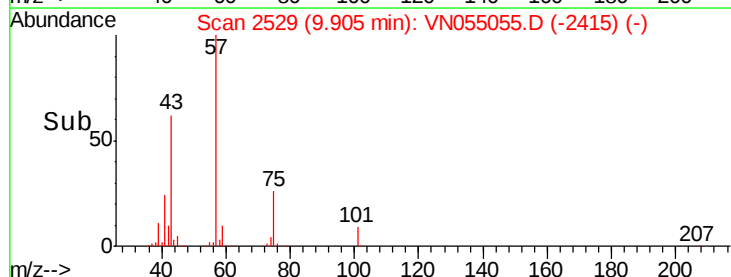
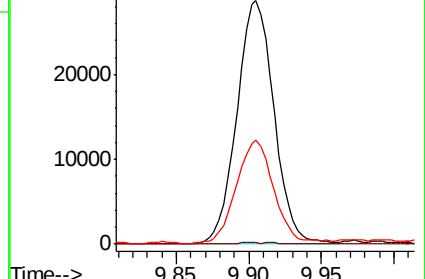
39 42.7 43.8 65.8#

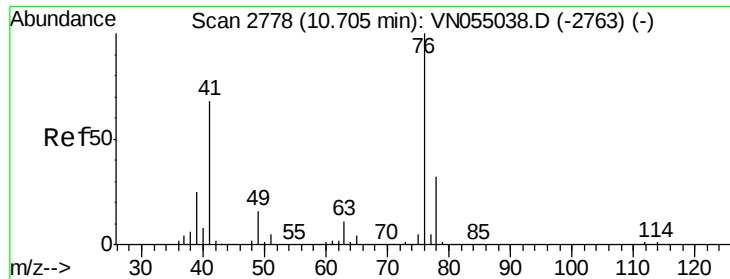


Abundance Ion 74.90 (74.60 to 75.60): VN055038.D (-2492) (-)

Ion 76.90 (76.60 to 77.60): VN055038.D (-2492) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-2492) (-)





#57

1,3-Dichloropropane

Concen: 1.044 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampled :

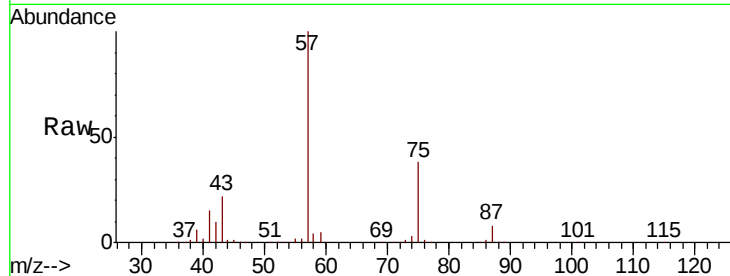
TP-3-S

Tot Ion: 76 Resp: 9262

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.76

6000

5000

4000

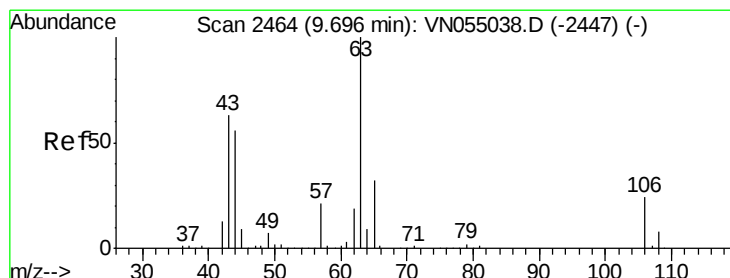
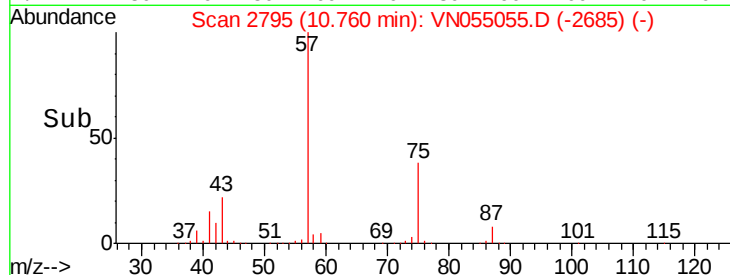
3000

2000

1000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 10.763 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. -0.03 min

Lab File: VN055055.D

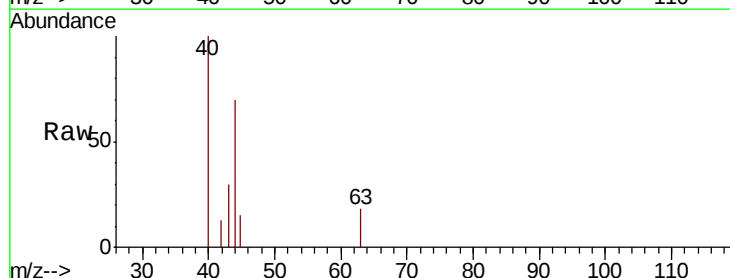
Acq: 15 Apr 2019 20:53

Tgt Ion: 63 Resp: 74

Ion Ratio Lower Upper

63 100

106 0.0 20.0 30.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.67

250

200

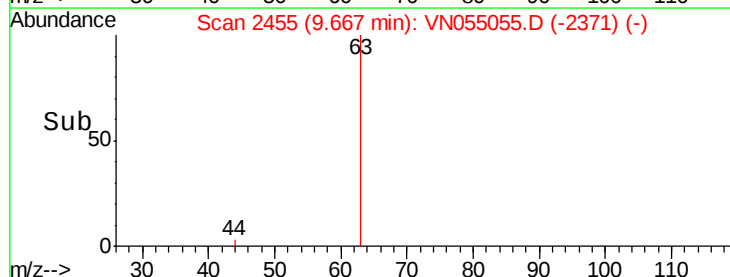
150

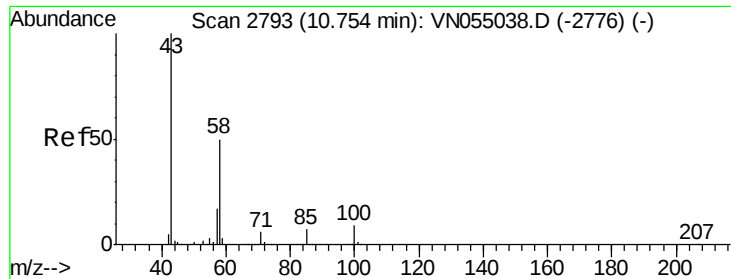
100

50

0

Time-->

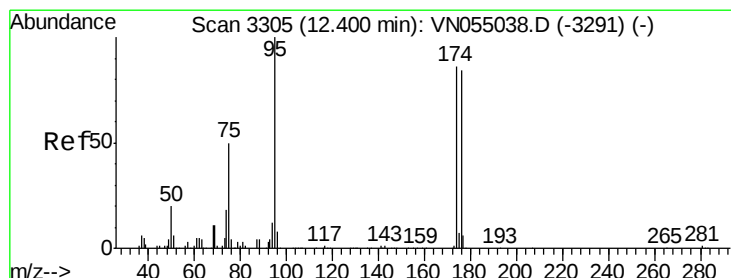
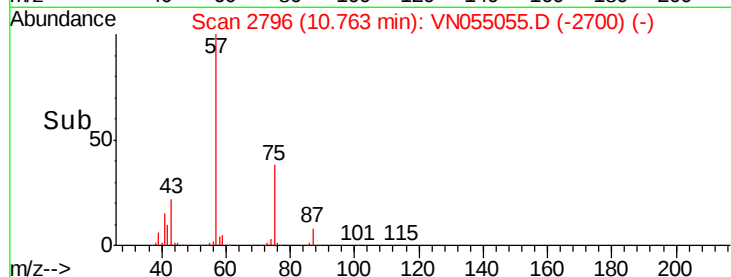
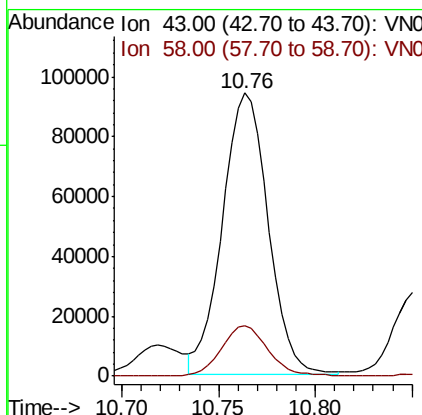
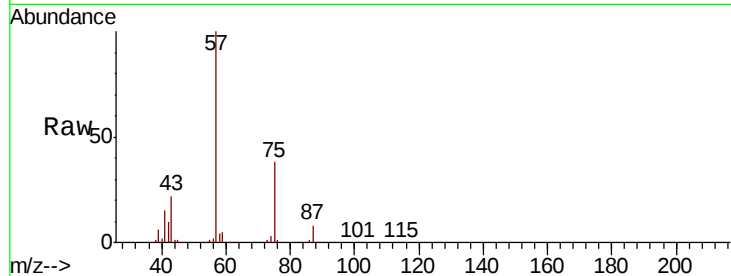




#59
2-Hexanone
Concen: 43.412 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

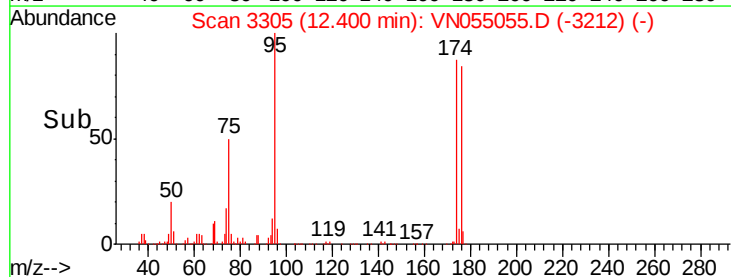
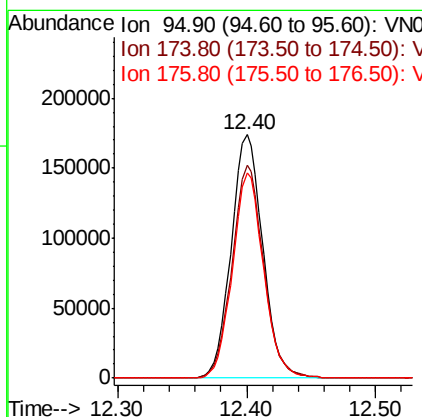
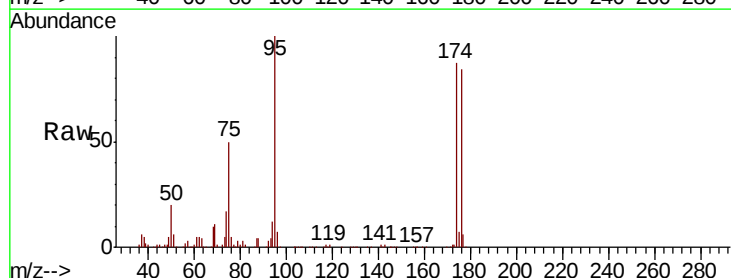
Instrument :
MSVOA_N
ClientSampled :
TP-3-S

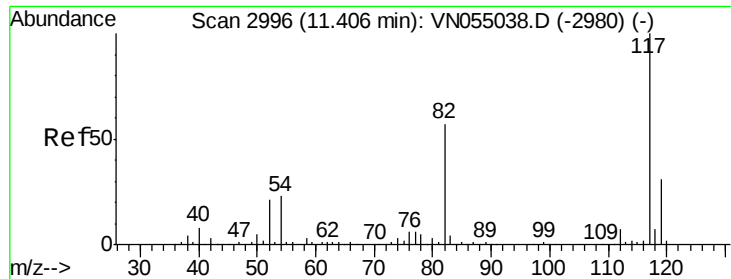
Tot Ion: 43 Resp: 154756
Ion Ratio Lower Upper
43 100
58 18.5 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 45.804 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

Tgt Ion: 95 Resp: 295901
Ion Ratio Lower Upper
95 100
174 87.4 0.0 174.4
176 83.2 0.0 166.8

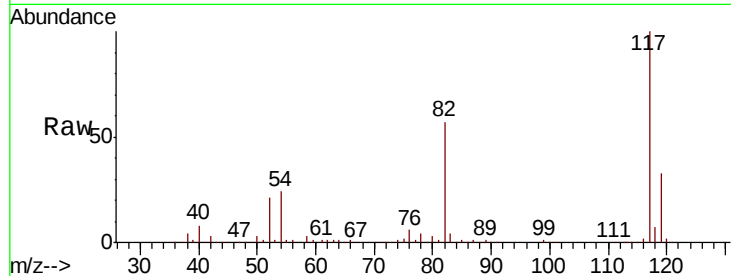




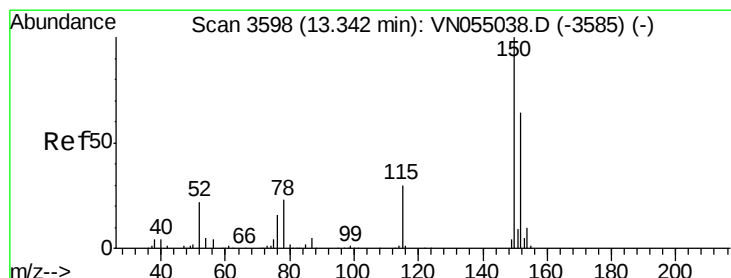
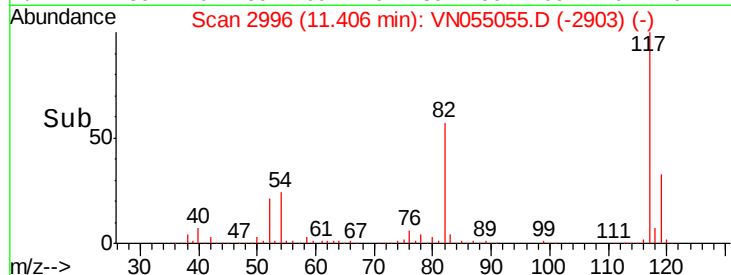
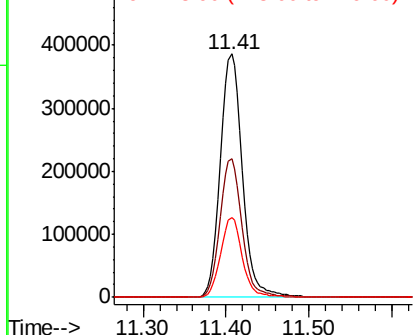
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

Instrument :
MSVOA_N
ClientSampled :
TP-3-S

Tot Ion:117 Resp: 710386
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 33.0 25.5 38.3

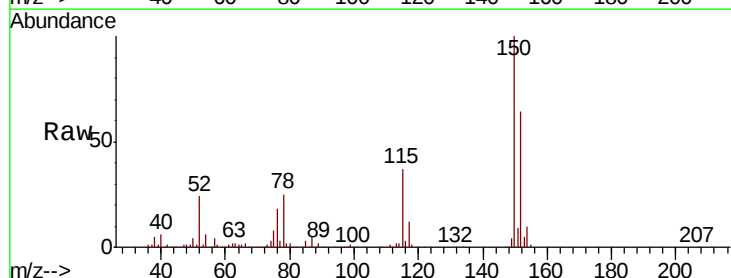


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

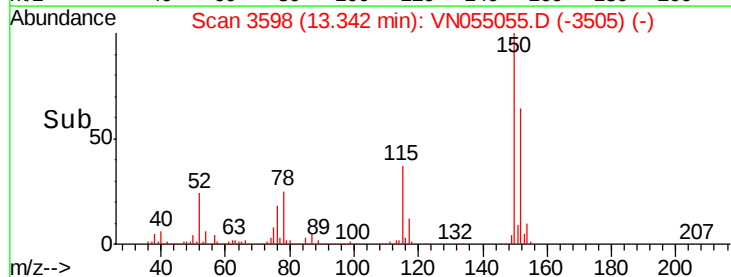
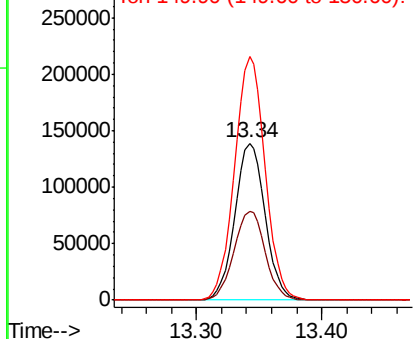


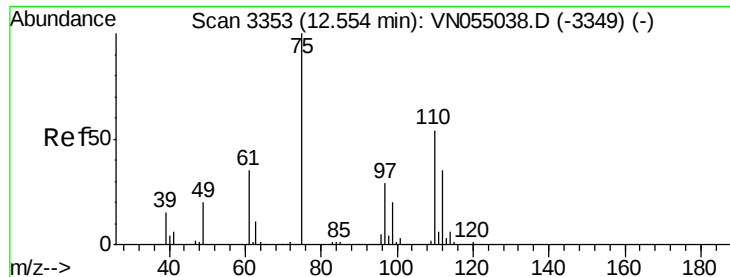
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055055.D
Acq: 15 Apr 2019 20:53

Tgt Ion:152 Resp: 232841
Ion Ratio Lower Upper
152 100
115 58.2 28.5 85.6
150 156.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.148 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

Instrument :

MSVOA_N

ClientSampleId :

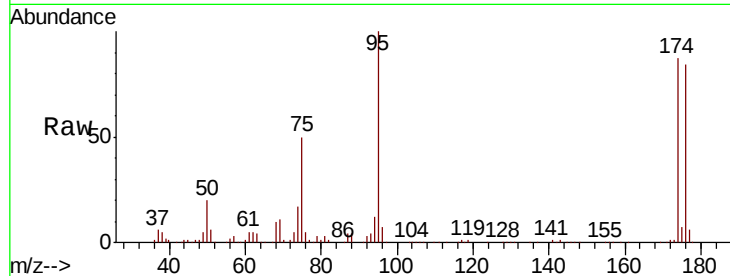
TP-3-S

Tot Ion: 75 Resp: 151353

Ion Ratio Lower Upper

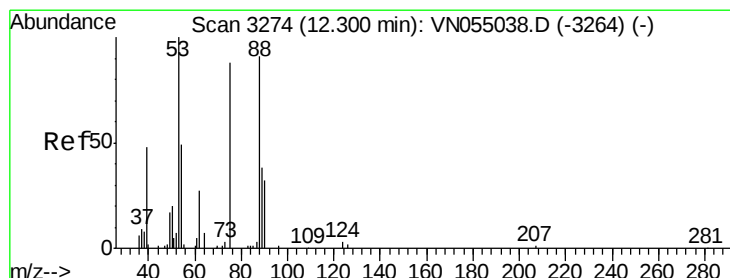
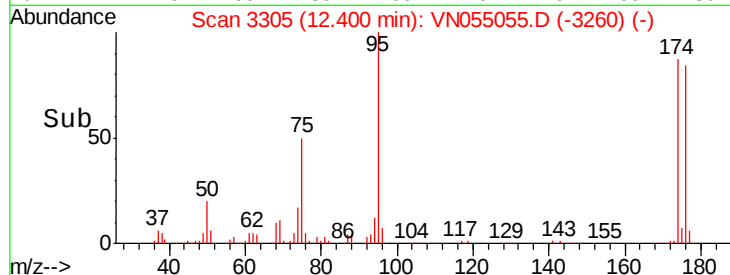
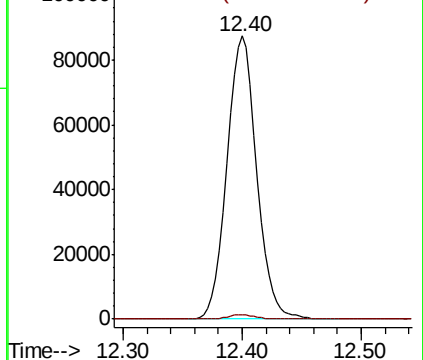
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 144.550 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055055.D

Acq: 15 Apr 2019 20:53

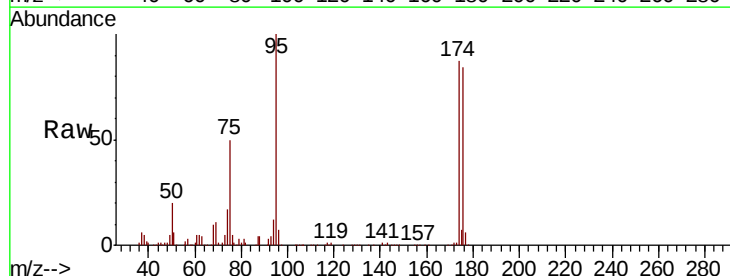
Tgt Ion: 75 Resp: 151353

Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

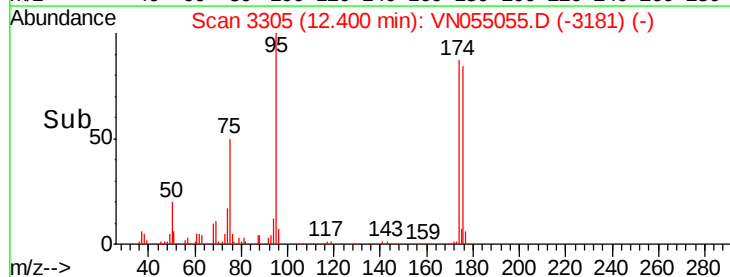
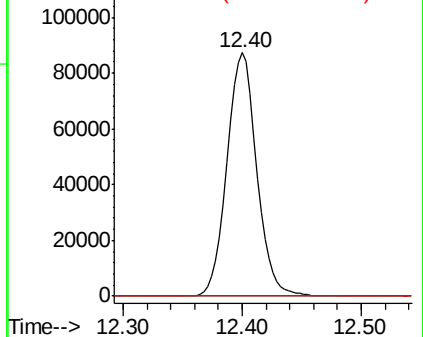
89 0.0 38.6 57.8#

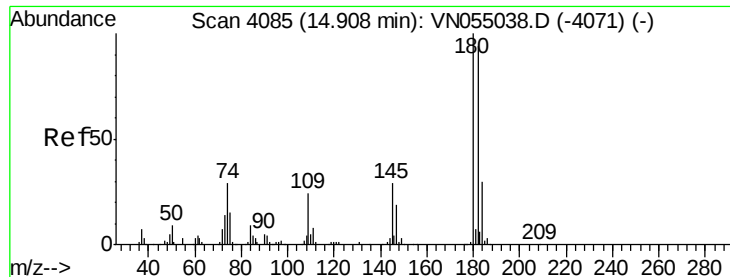


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

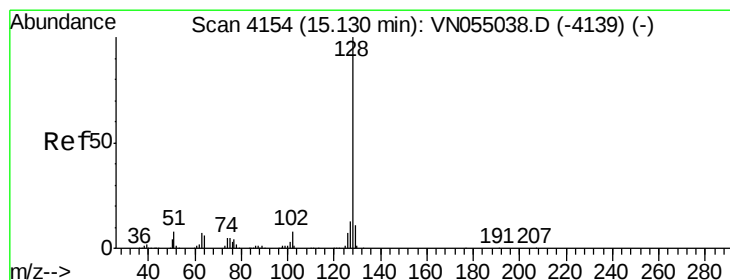
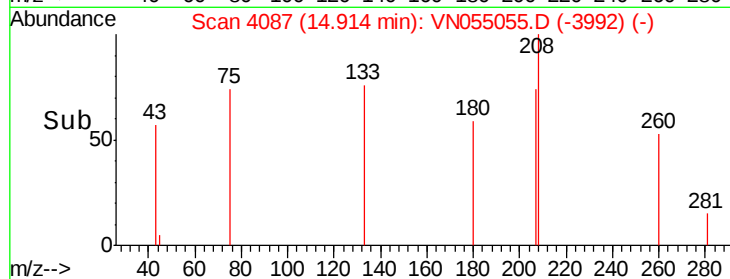
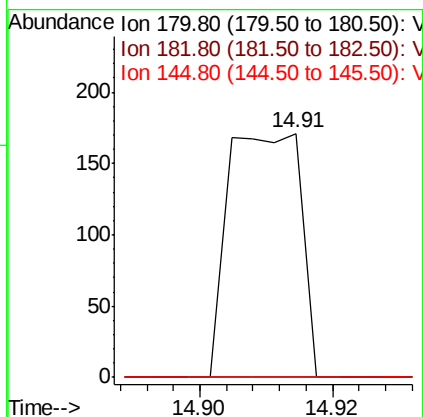
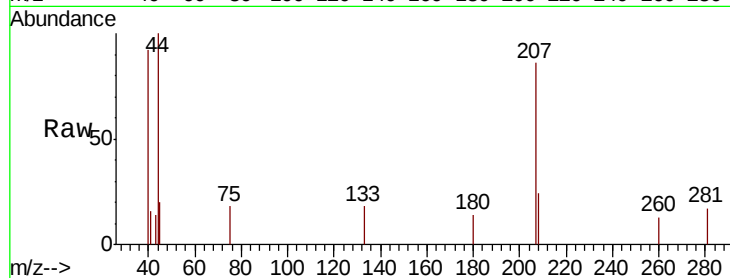




#93
 1,2,4-Trichlorobenzene
 Concen: 2.711 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055055.D
 Acq: 15 Apr 2019 20:53

Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-S

Tot Ion:180 Resp: 129
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.6#
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 3.345 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN055055.D
 Acq: 15 Apr 2019 20:53

Tgt Ion:128 Resp: 2361
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.1 15.1
 129 11.4 8.8 13.2

