

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056462.D
 Acq On : 24 Jun 2019 17:43
 Operator : JC/SP
 Sample : K3482-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Jun 25 01:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	653442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	643299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	213089	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	187890	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
50) Toluene-d8	10.09	98	807900	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	270836	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
14) Allyl chloride	4.55	41	16687	2.945	ug/l #	28
16) Acetone	3.82	43	12631	5.903	ug/l #	87
18) Methyl Acetate	4.34	43	9189	1.348	ug/l #	90
20) Methylene Chloride	4.55	84	469000	117.466	ug/l	99
25) 2-Butanone	6.85	43	938	0.331	ug/l #	49
29) Tetrahydrofuran	7.23	42	1727	0.998	ug/l #	58
30) Chloroform	7.37	83	2463	0.365	ug/l	97
31) Cyclohexane	7.66	56	6109	0.926	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	23888	4.153	ug/l #	44
38) Carbon Tetrachloride	7.66	117	32848	6.531	ug/l #	15
40) Benzene	8.04	78	6395	0.361	ug/l	91
41) Methacrylonitrile	7.22	41	705	0.282	ug/l #	16
43) Isopropyl Acetate	8.17	43	13814	1.585	ug/l	92
45) 1,2-Dichloropropane	9.27	63	1521	0.321	ug/l #	43
48) Methyl methacrylate	9.18	41	9079	2.079	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	4916	0.874	ug/l	90
52) Toluene	10.16	92	4515	0.417	ug/l	100
54) cis-1,3-Dichloropropene	9.90	75	61702	9.760	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	10853	1.486	ug/l #	42
59) 2-Hexanone	10.76	43	145843	35.275	ug/l #	51
60) Dibromochloromethane	10.63	129	178	2.420	ug/l #	10
68) m/p-Xylenes	11.62	106	4057	0.488	ug/l	88
69) o-Xylene	11.95	106	2933	0.356	ug/l	95
71) Bromoform	12.40	173	1761	3.611	ug/l #	1
73) Isopropylbenzene	12.24	105	521	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	124163	28.981	ug/l #	100
77) Bromobenzene	12.51	156	2432	0.526	ug/l #	1
79) 2-Chlorotoluene	12.67	91	1958	Below Cal	#	56
80) 1,3,5-Trimethylbenzene	12.73	105	8260	Below Cal		97
81) trans-1,4-Dichloro-2-buten	12.40	75	124163	103.001	ug/l #	8
83) tert-Butylbenzene	13.04	119	1236	Below Cal	#	66
84) 1,2,4-Trimethylbenzene	13.04	105	10620	0.763	ug/l	97
90) Hexachloroethane	13.89	117	647	0.291	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	119	5.643	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
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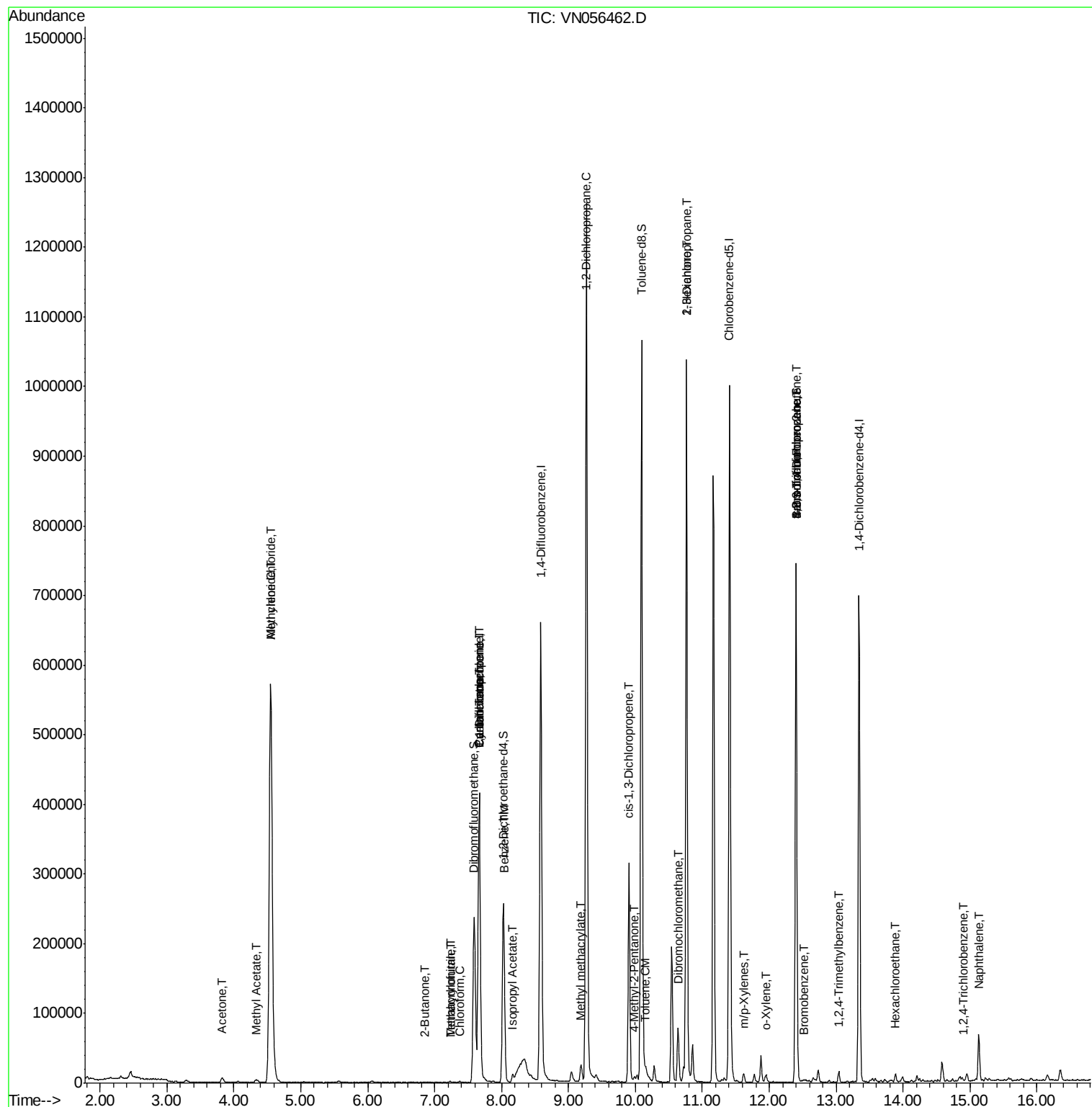
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	61568	11.074	ug/l	99

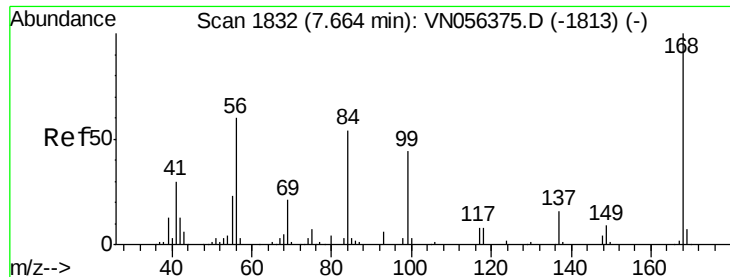
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062419\
Data File : VN056462.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampleId :

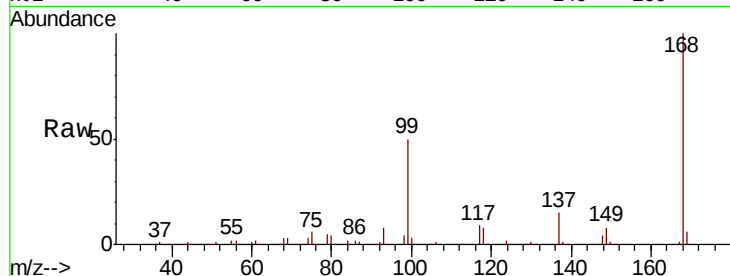
TP-4

Tot Ion:168 Resp: 385364

Ion Ratio Lower Upper

168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

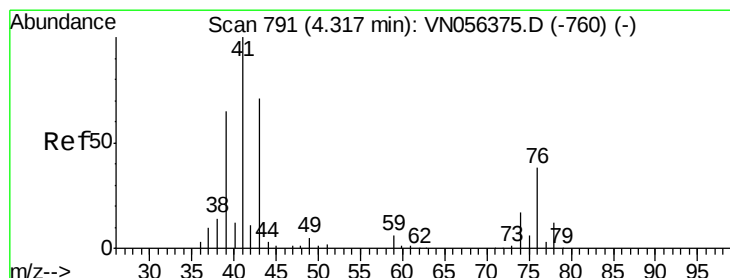
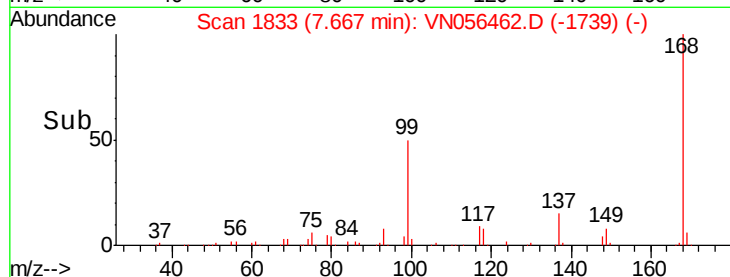
100000

50000

0

7.60 7.70 7.80

Time-->



#14

Allyl chloride

Concen: 2.945 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.23 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

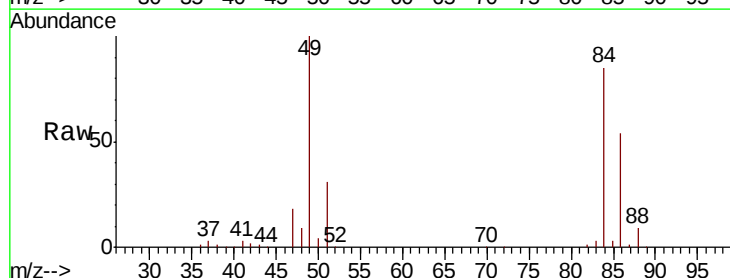
Tgt Ion: 41 Resp: 16687

Ion Ratio Lower Upper

41 100

39 0.4 48.6 73.0#

76 0.0 26.6 40.0#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.55

6000

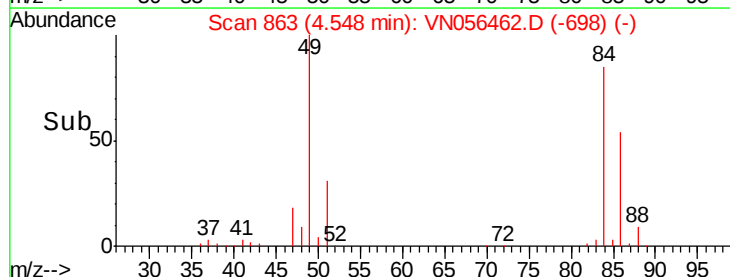
4000

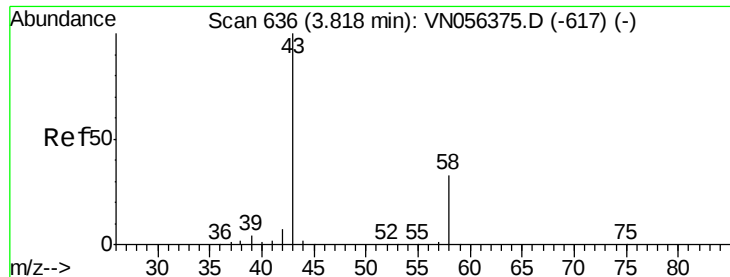
2000

0

4.45 4.50 4.55 4.60

Time-->





#16

Acetone

Concen: 5.903 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

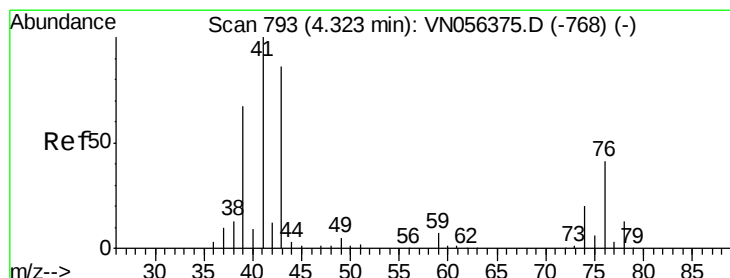
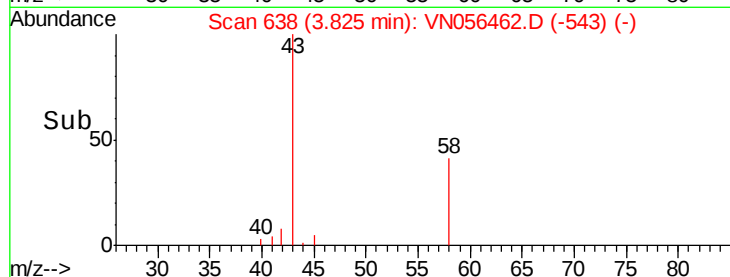
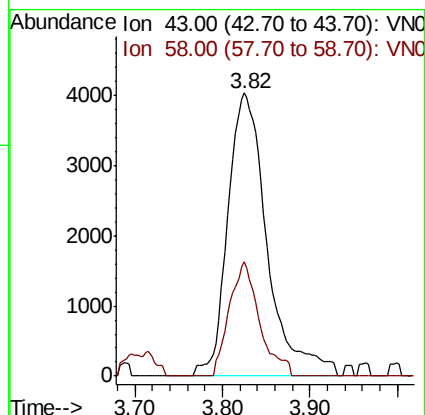
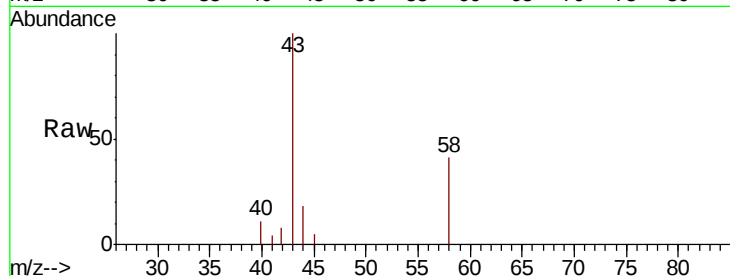
TP-4

Tot Ion: 43 Resp: 12631

Ion Ratio Lower Upper

43 100

58 40.5 26.4 39.6#



#18

Methyl Acetate

Concen: 1.348 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056462.D

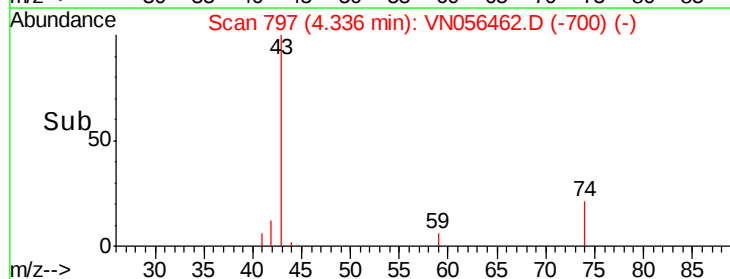
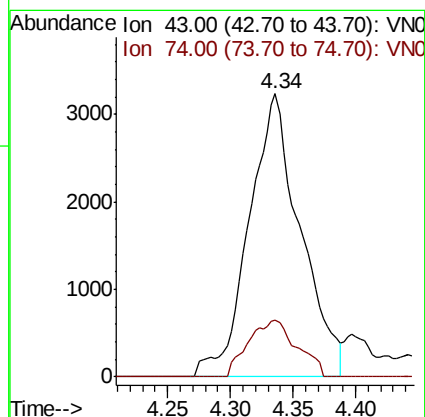
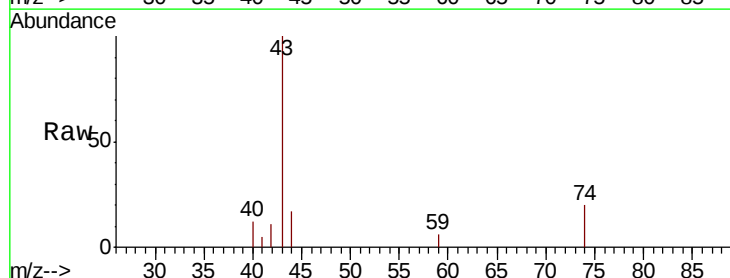
Acq: 24 Jun 2019 17:43

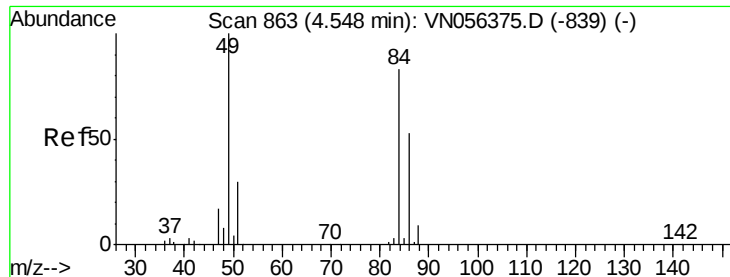
Tgt Ion: 43 Resp: 9189

Ion Ratio Lower Upper

43 100

74 19.0 19.2 28.8#

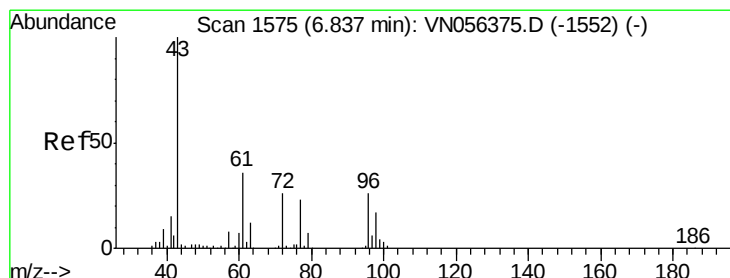
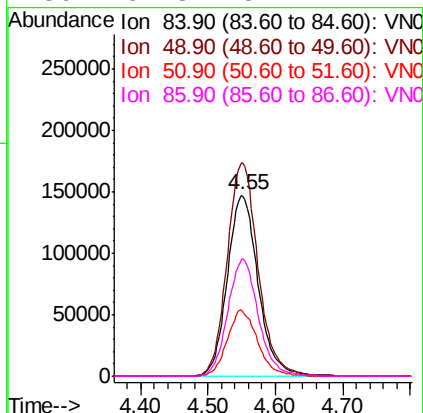
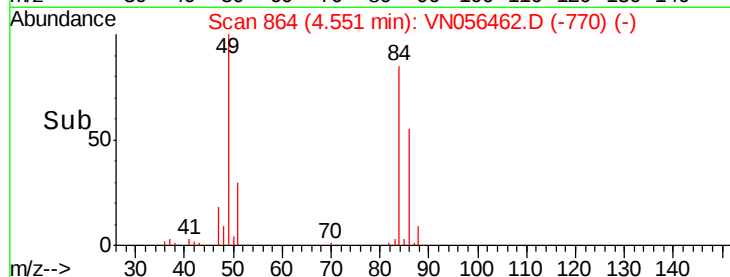
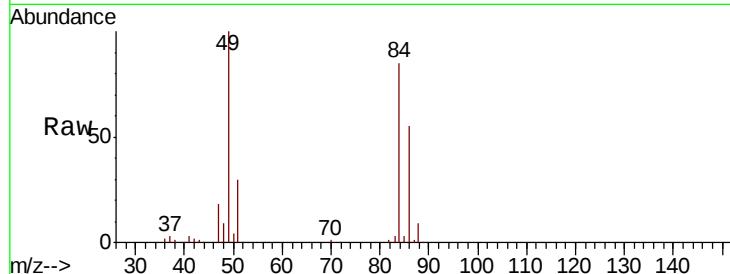




#20
Methvlene Chloride
Concen: 117.466 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

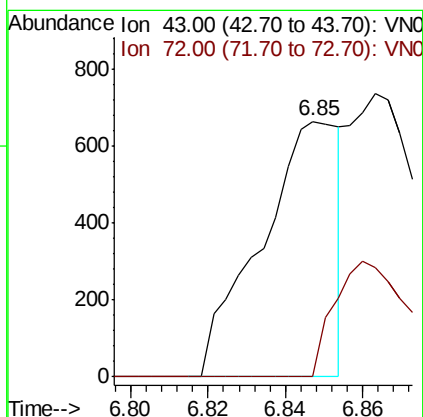
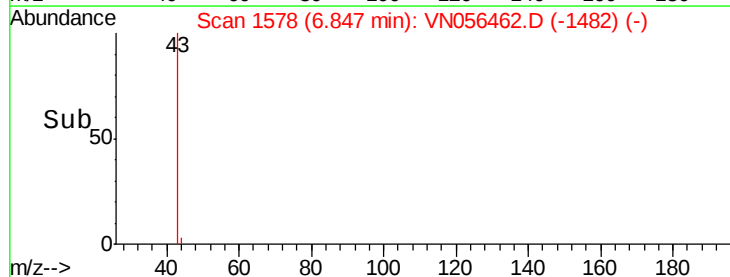
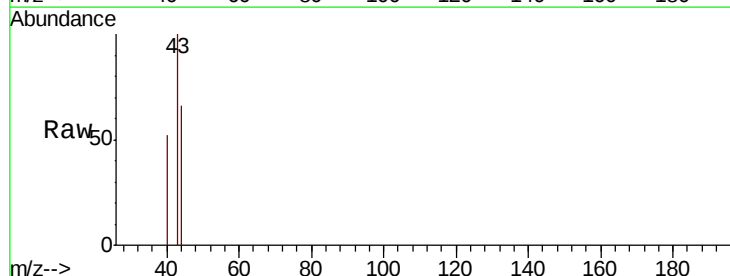
Instrument :
MSVOA_N
ClientSampled :
TP-4

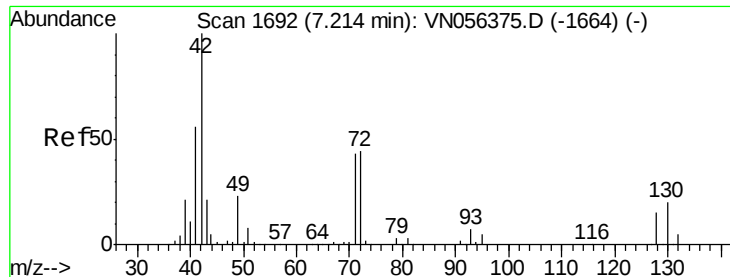
Tot Ion: 84 Resp: 469000
Ion Ratio Lower Upper
84 100
49 117.9 96.4 144.6
51 35.8 28.6 43.0
86 64.8 51.4 77.2



#25
2-Butanone
Concen: 0.331 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#





#29

Tetrahydrofuran

Concen: 0.998 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

TP-4

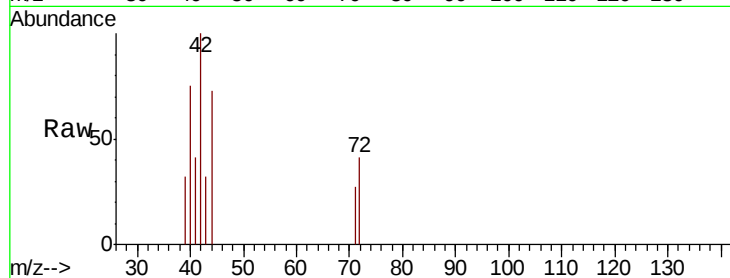
Tot Ion: 42 Resp: 1727

Ion Ratio Lower Upper

42 100

72 18.8 34.7 52.1#

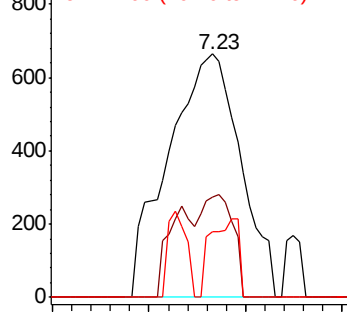
71 12.7 33.0 49.6#



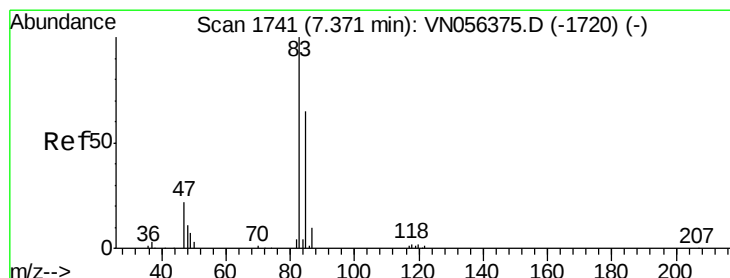
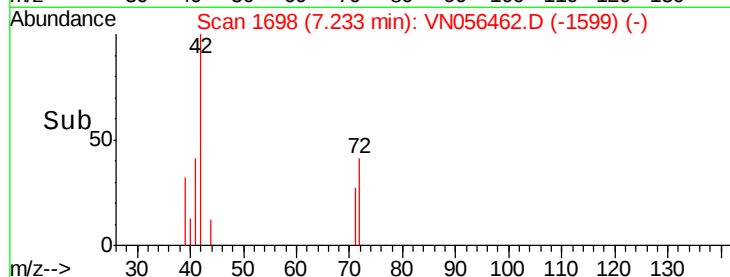
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.15 7.20 7.25



#30

Chloroform

Concen: 0.365 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN056462.D

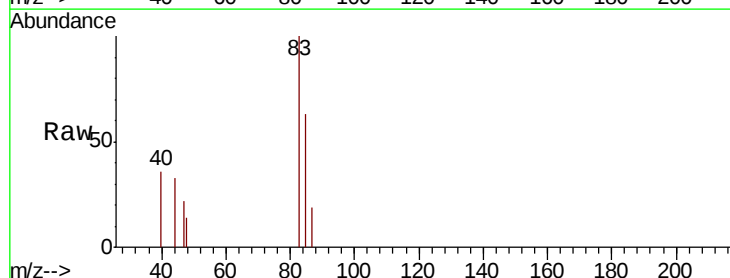
Acq: 24 Jun 2019 17:43

Tgt Ion: 83 Resp: 2463

Ion Ratio Lower Upper

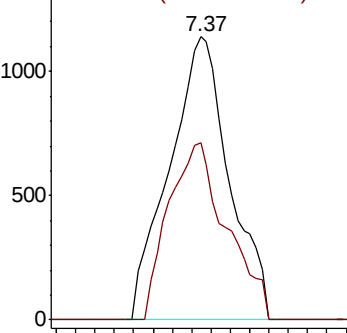
83 100

85 62.8 52.3 78.5

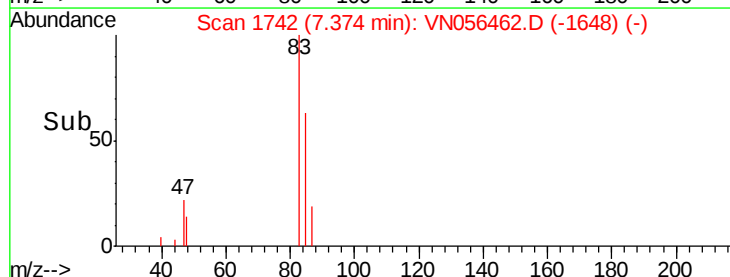


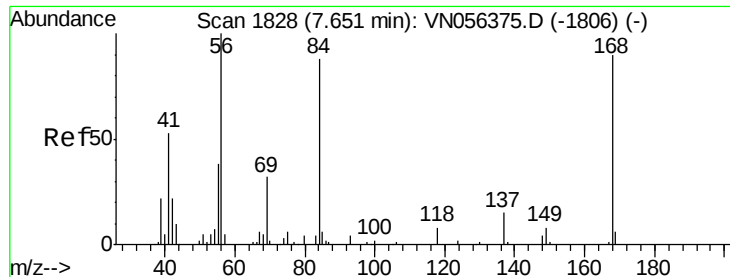
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time--> 7.30 7.35 7.40

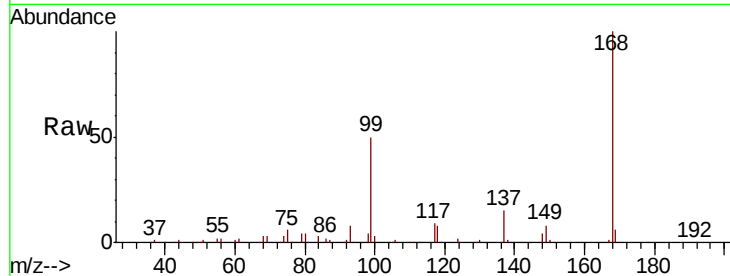




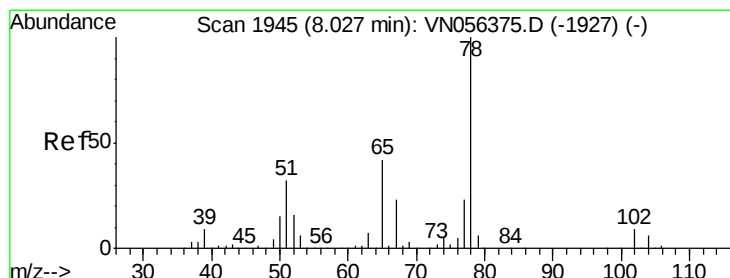
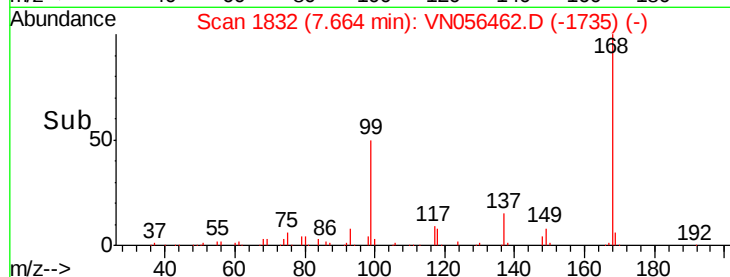
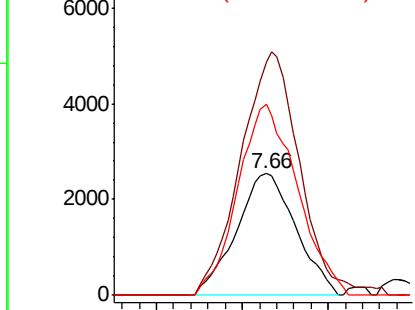
#31
Cyclohexane
Concen: 0.926 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 56 Resp: 6109
Ion Ratio Lower Upper
56 100
69 192.4 25.8 38.6#
84 157.8 69.4 104.0#

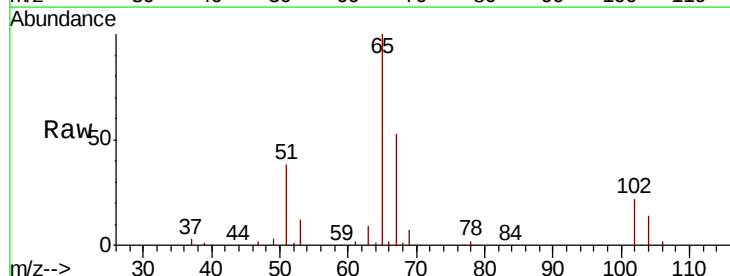


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

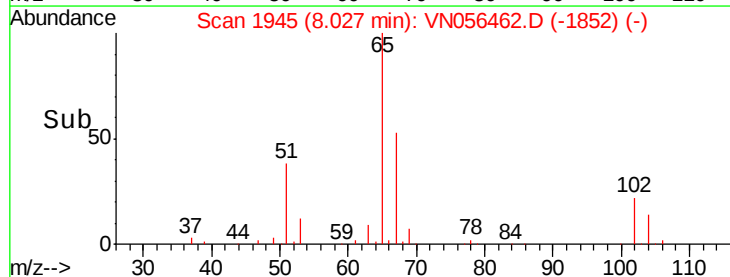
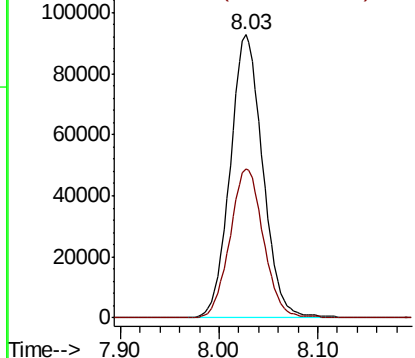


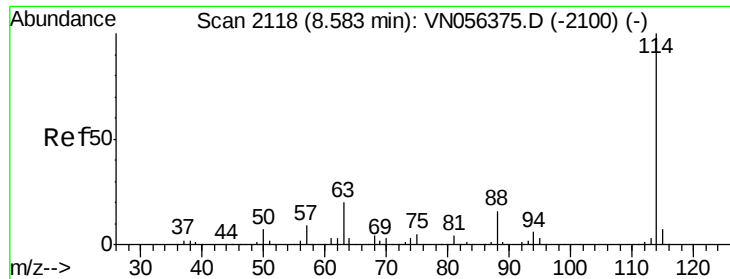
#33
1,2-Dichloroethane-d4
Concen: 49.892 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Tgt Ion: 65 Resp: 213089
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

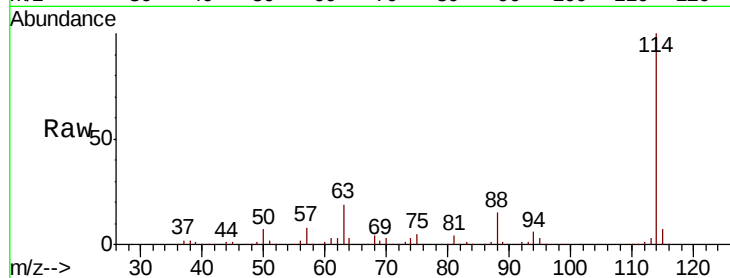




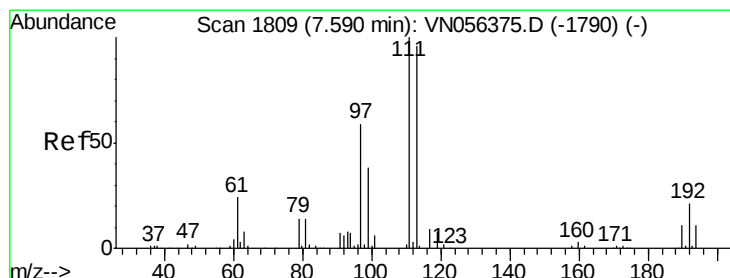
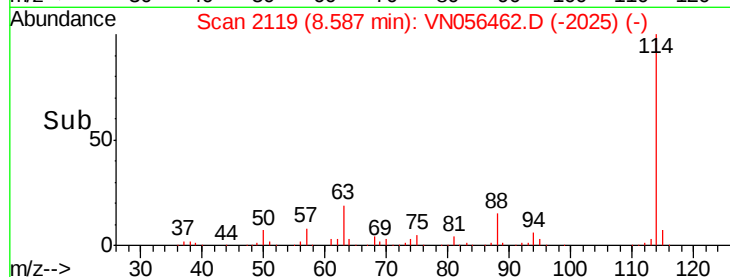
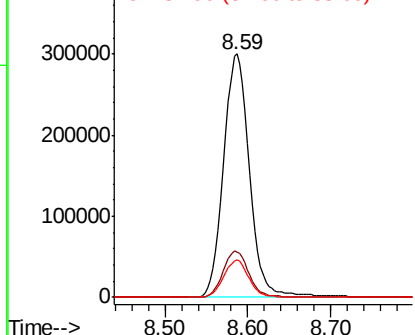
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056462.D
 Acq: 24 Jun 2019 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Tot Ion:114 Resp: 653442
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.3 0.0 31.4

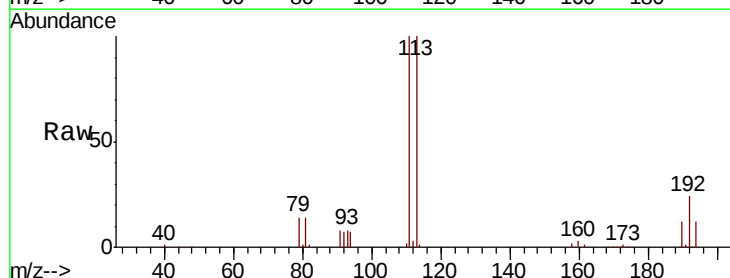


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

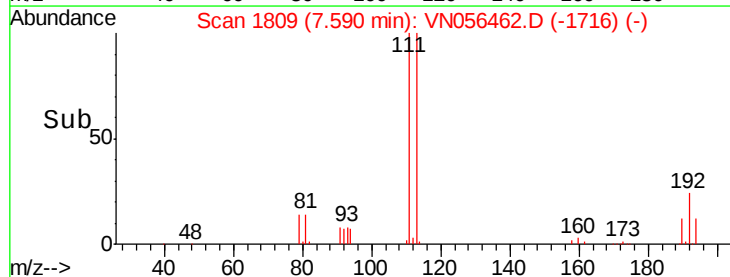
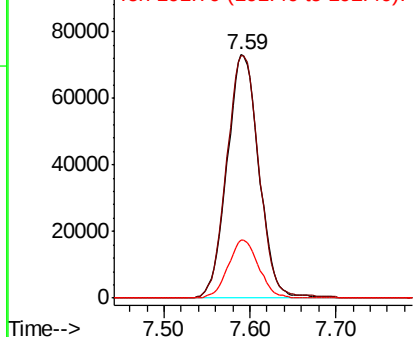


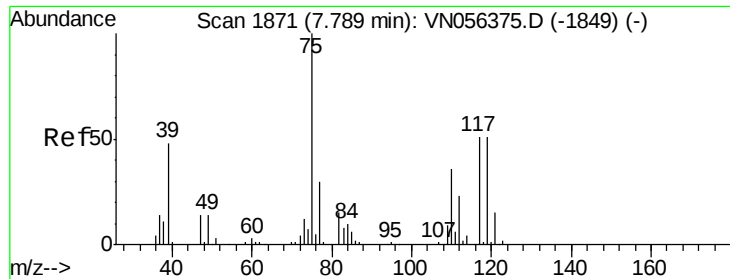
#35
 Dibromofluoromethane
 Concen: 46.092 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056462.D
 Acq: 24 Jun 2019 17:43

Tgt Ion:113 Resp: 187890
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.9 124.3
 192 22.8 17.7 26.5



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

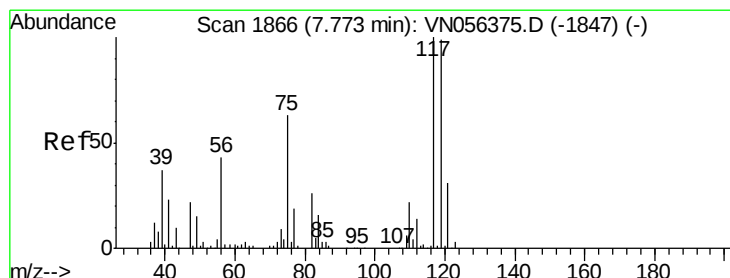
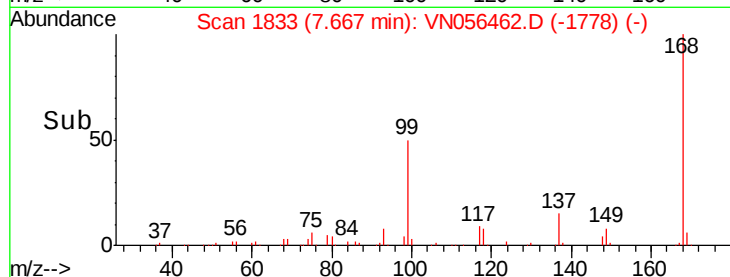
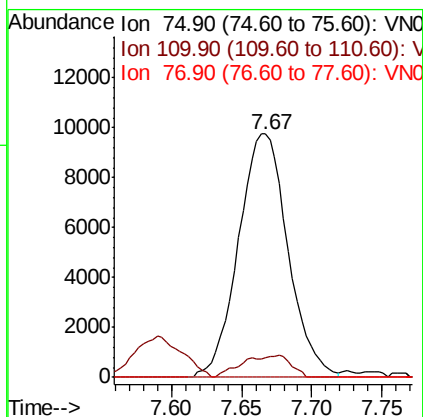
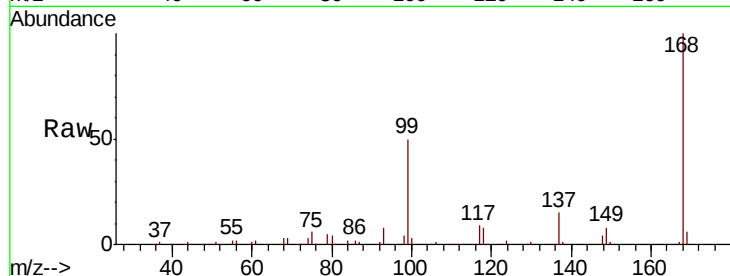




#36
 1,1-Dichloropropene
 Concen: 4.153 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056462.D
 Acq: 24 Jun 2019 17:43

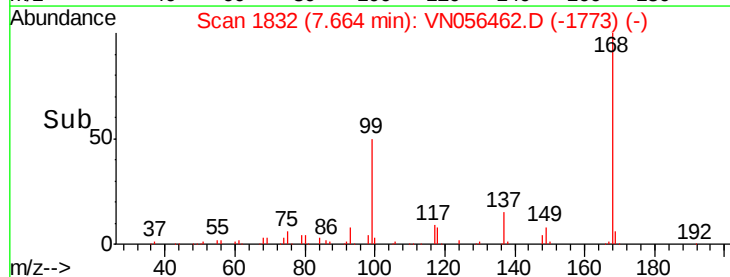
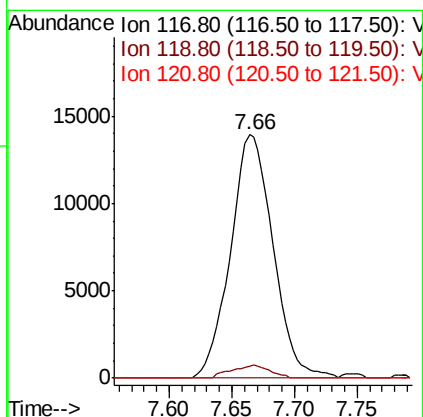
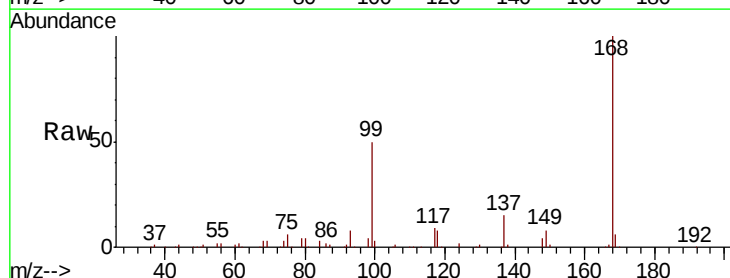
Instrument :
 MSVOA_N
 ClientSampled :
 TP-4

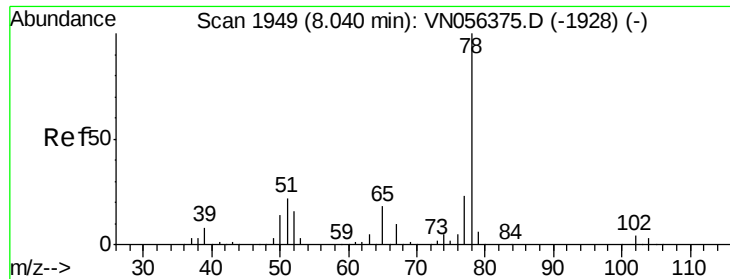
Tot Ion: 75 Resp: 23888
 Ion Ratio Lower Upper
 75 100
 110 3.6 18.1 54.3#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.531 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056462.D
 Acq: 24 Jun 2019 17:43

Tgt Ion: 117 Resp: 32848
 Ion Ratio Lower Upper
 117 100
 119 4.9 79.1 118.7#
 121 0.0 24.8 37.2#





#40

Benzene

Concen: 0.361 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

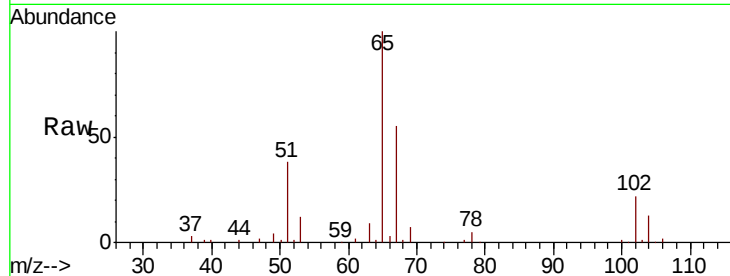
Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 78 Resp: 6395

Ion Ratio Lower Upper

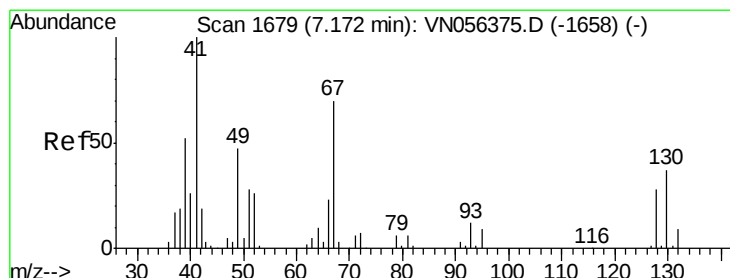
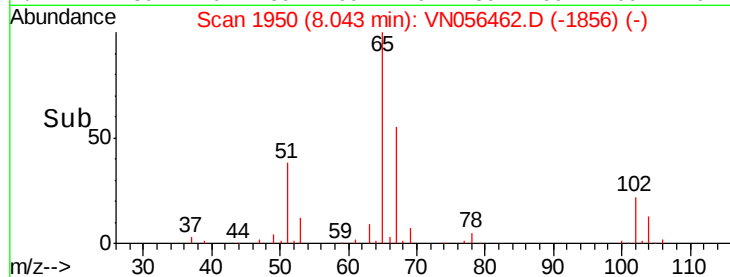
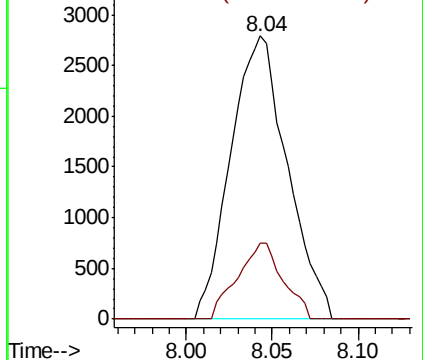
78 100

77 27.0 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.282 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.05 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Tgt Ion: 41 Resp: 705

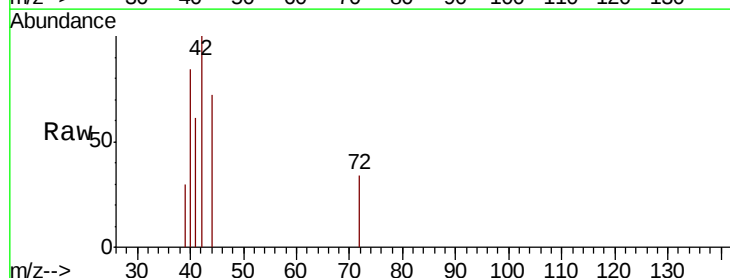
Ion Ratio Lower Upper

41 100

39 9.4 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#

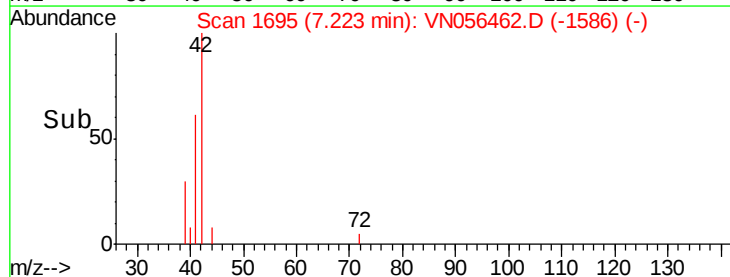
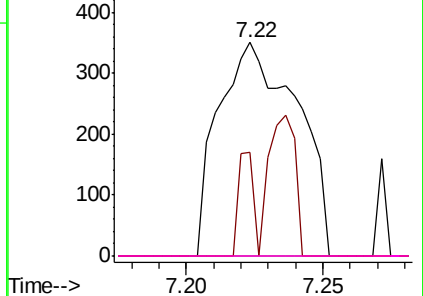


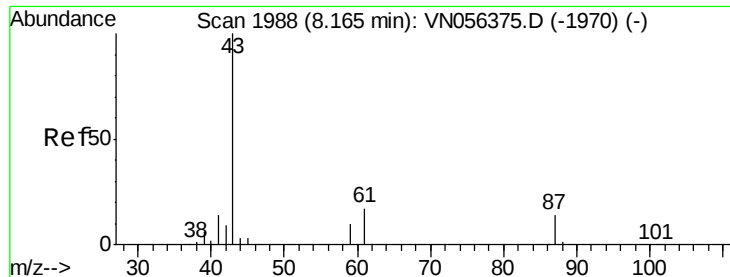
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#43

Isopropyl Acetate

Concen: 1.585 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

TP-4

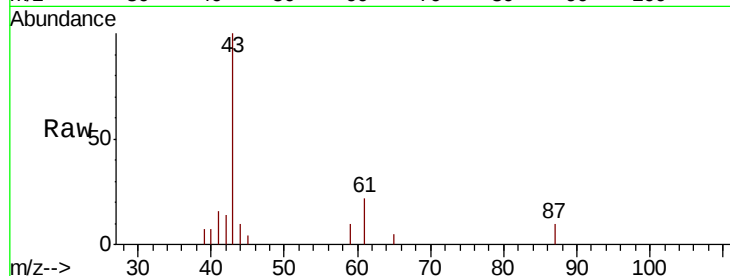
Tot Ion: 43 Resp: 13814

Ion Ratio Lower Upper

43 100

61 22.8 22.0 33.0

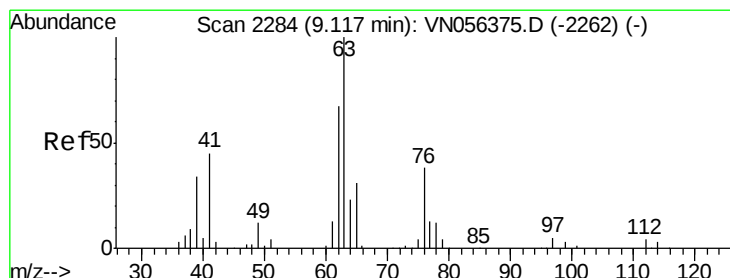
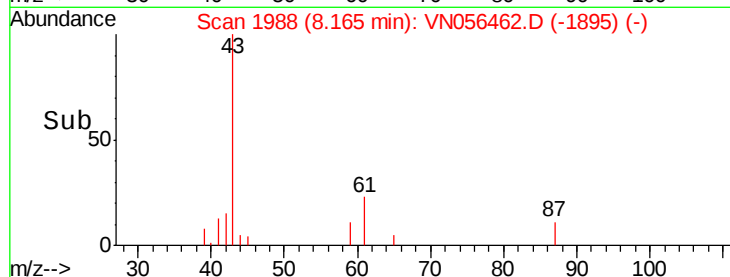
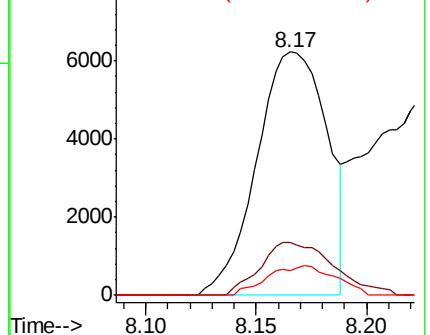
87 11.7 11.0 16.4



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



#45

1,2-Dichloropropane

Concen: 0.321 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN056462.D

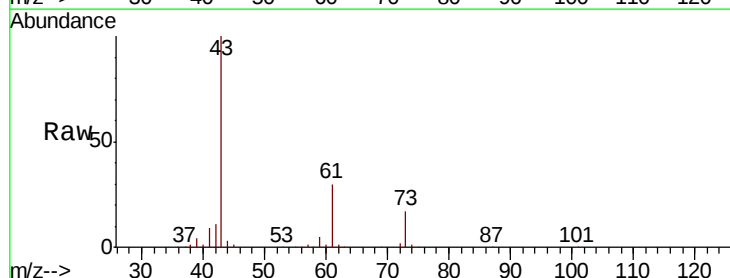
Acq: 24 Jun 2019 17:43

Tgt Ion: 63 Resp: 1521

Ion Ratio Lower Upper

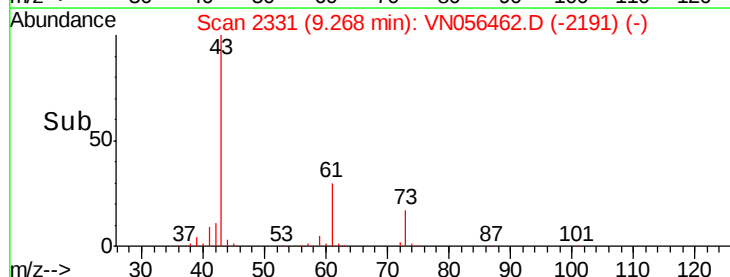
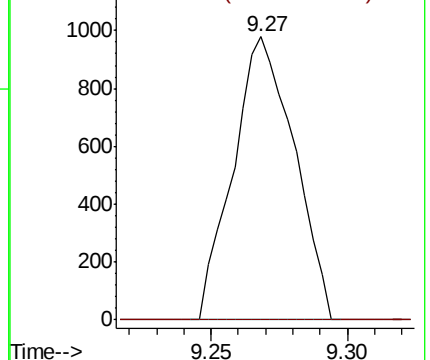
63 100

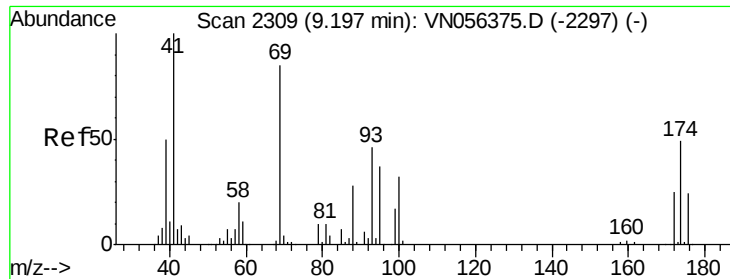
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

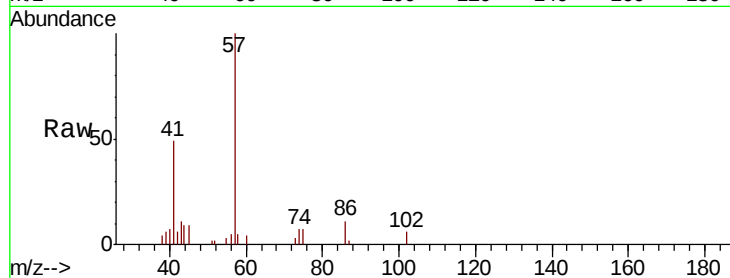




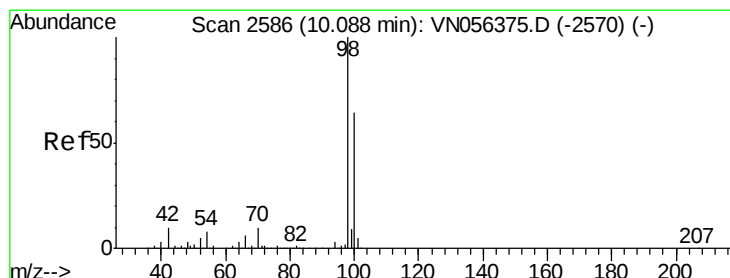
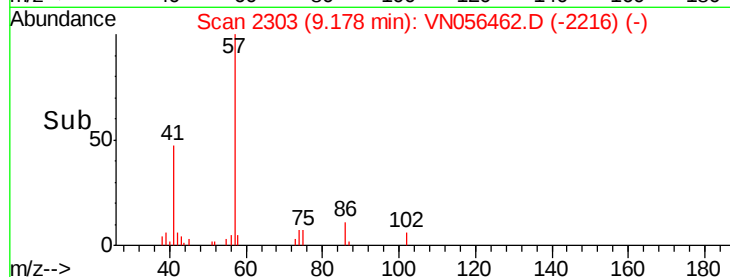
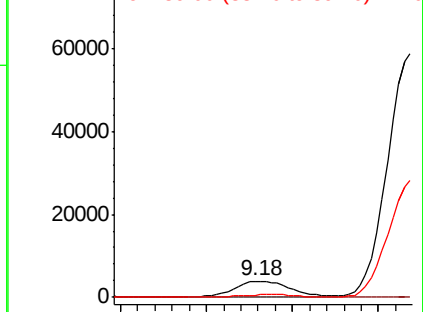
#48
Methyl methacrylate
Concen: 2.079 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 41 Resp: 9079
Ion Ratio Lower Upper
41 100
69 0.0 72.6 109.0#
39 0.0 42.6 63.8#

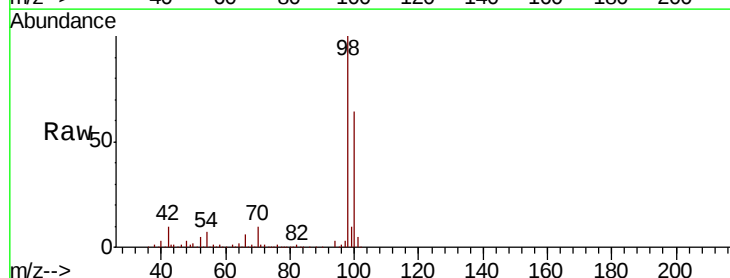


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

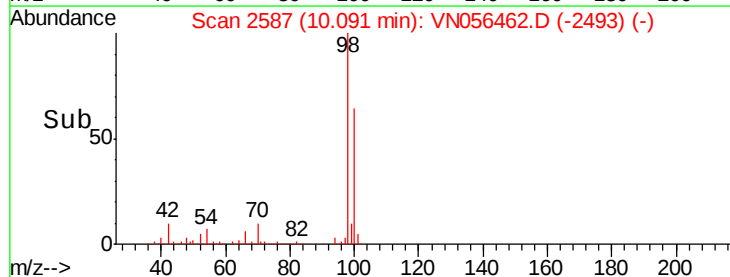
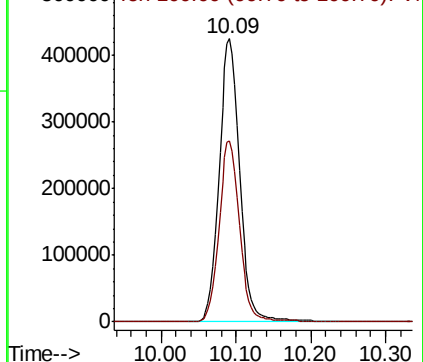


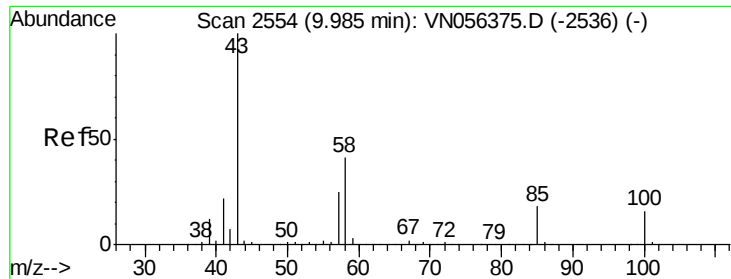
#50
Toluene-d8
Concen: 50.934 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Tgt Ion: 98 Resp: 807900
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



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: 0.874 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

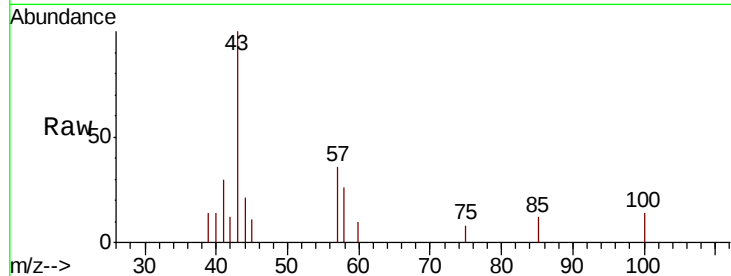
TP-4

Tot Ion: 43 Resp: 4916

Ion Ratio Lower Upper

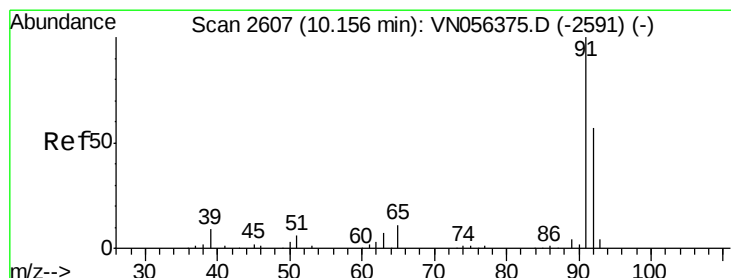
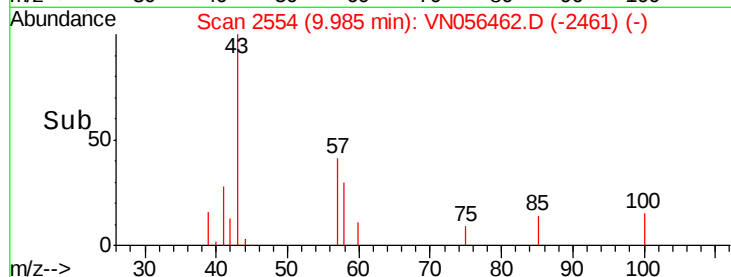
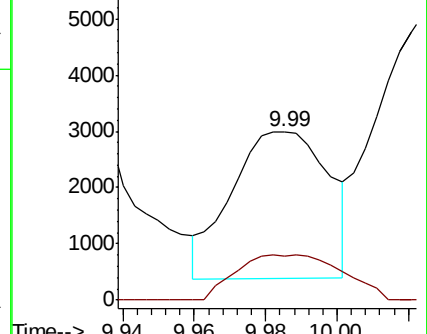
43 100

58 33.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.417 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056462.D

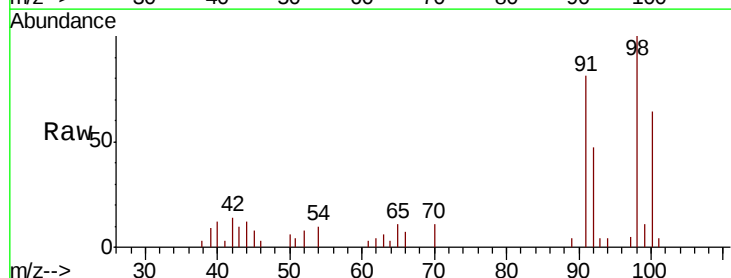
Acq: 24 Jun 2019 17:43

Tgt Ion: 92 Resp: 4515

Ion Ratio Lower Upper

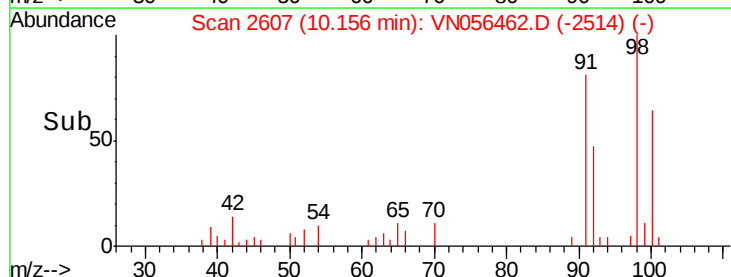
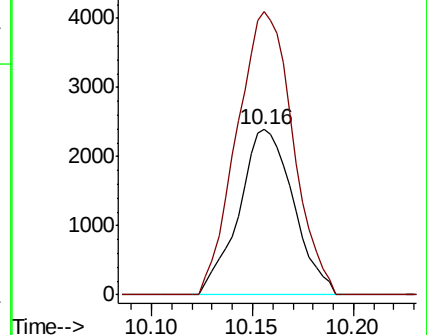
92 100

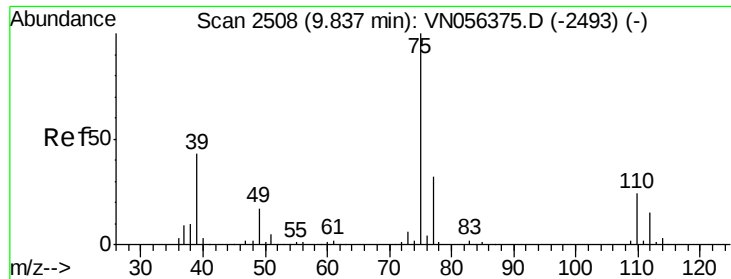
91 176.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



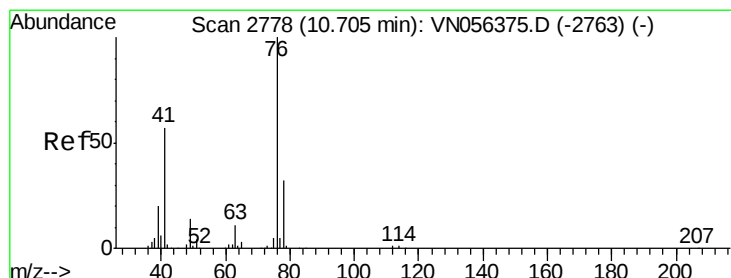
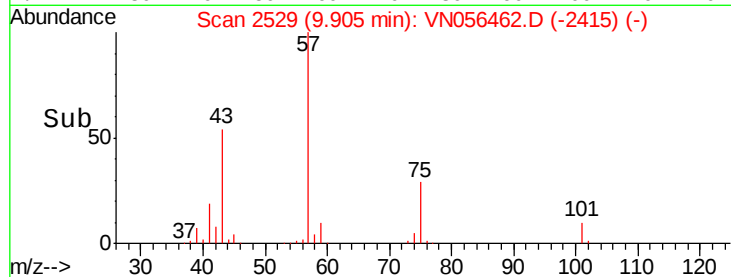
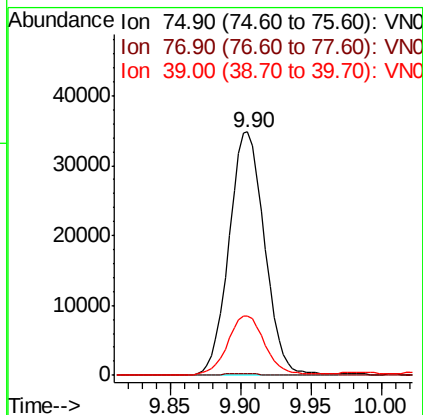
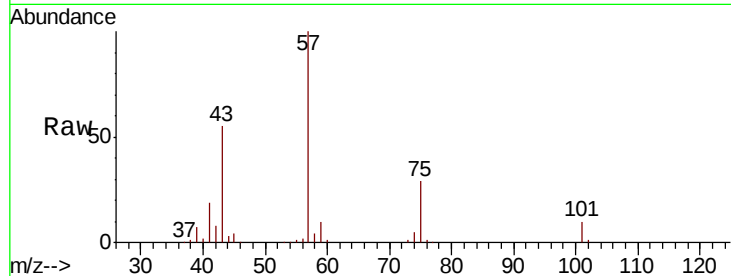


#54

cis-1,3-Dichloropropene
Concen: 9.760 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.07 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Instrument :
MSVOA_N
ClientSampled :
TP-4

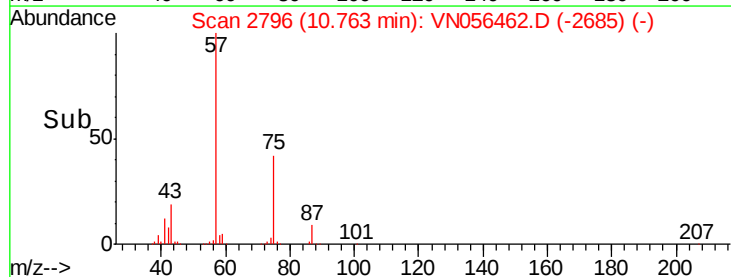
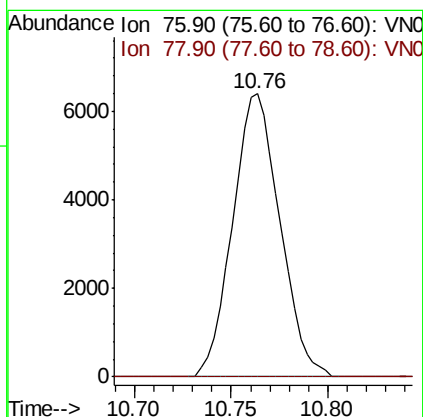
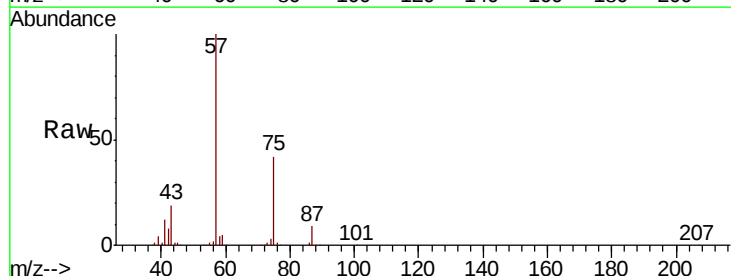
Tot Ion: 75 Resp: 61702
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 24.6 34.2 51.4#

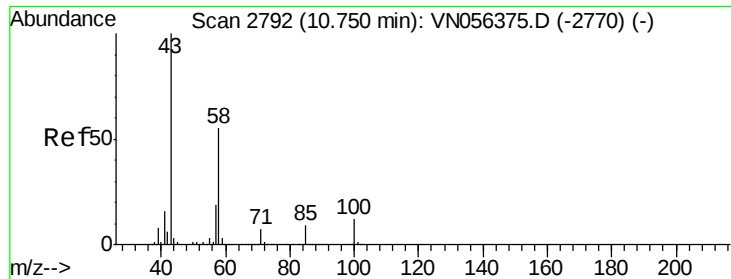


#57

1,3-Dichloropropane
Concen: 1.486 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.06 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Tgt Ion: 76 Resp: 10853
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

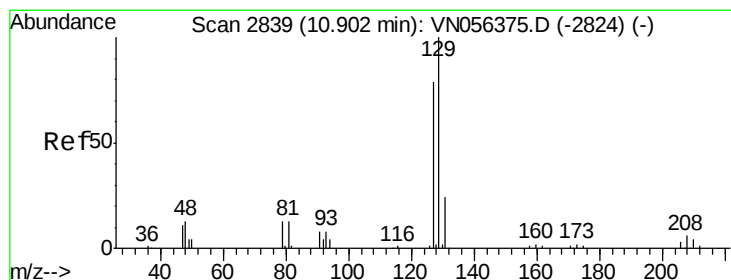
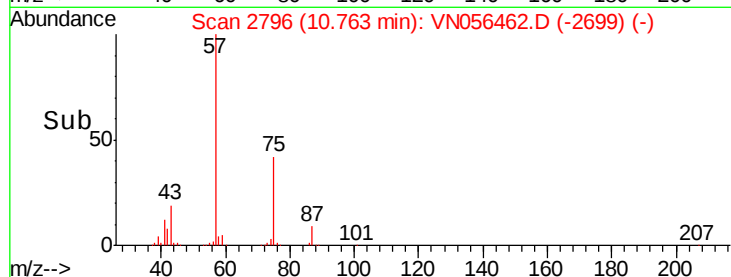
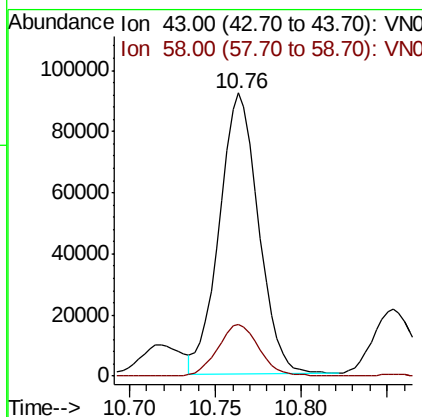
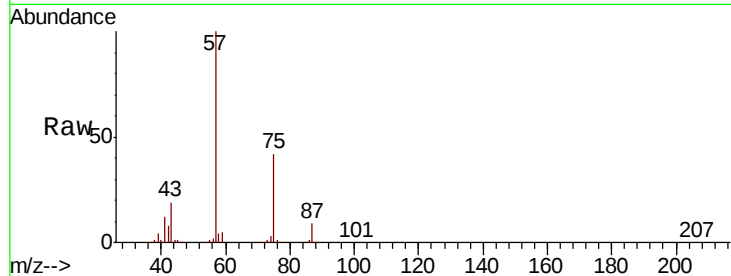




#59
2-Hexanone
Concen: 35.275 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

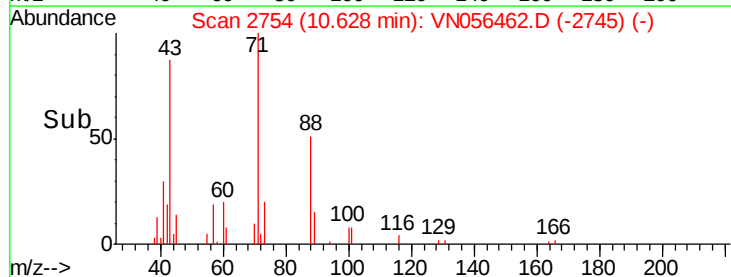
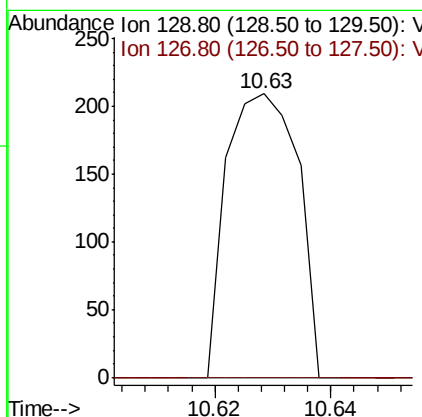
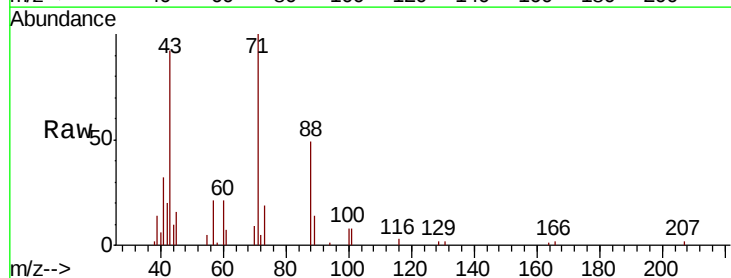
Instrument :
MSVOA_N
ClientSampled :
TP-4

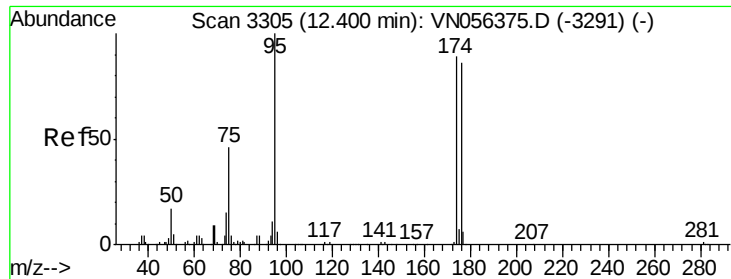
Tot Ion: 43 Resp: 145843
Ion Ratio Lower Upper
43 100
58 19.7 27.8 83.4#



#60
Dibromochloromethane
Concen: 2.420 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Tgt Ion: 129 Resp: 178
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 51.221 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

TP-4

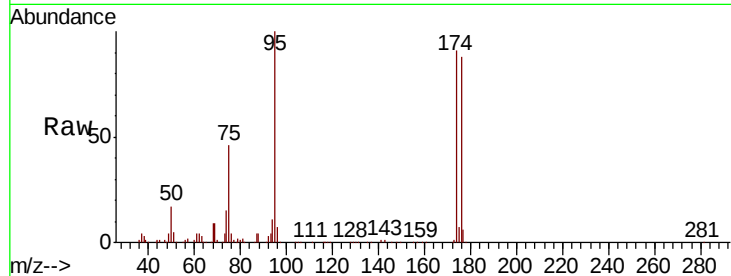
Tot Ion: 95 Resp: 270836

Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.4

176 87.8 0.0 173.4

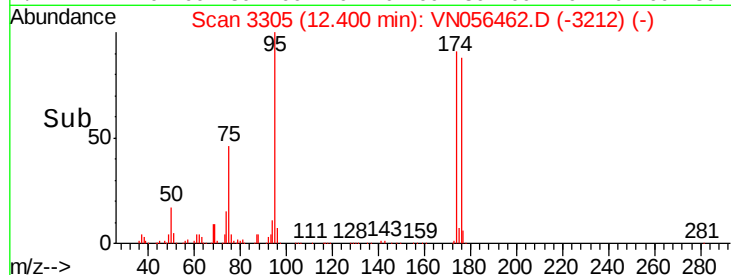


Abundance Ion 94.90 (94.60 to 95.60): VN056462.D (-3212) (-)

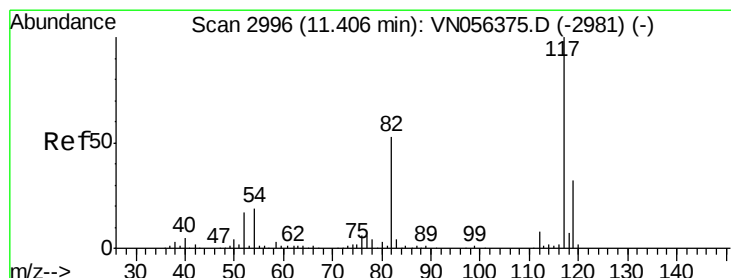
Ion 173.80 (173.50 to 174.50): VN056462.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056462.D (-3212) (-)

Time--> 12.30 12.40 12.50



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

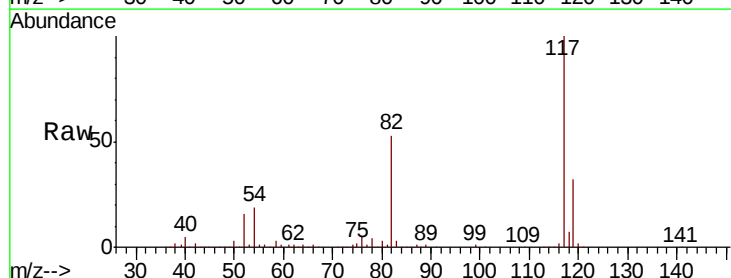
Tgt Ion: 117 Resp: 643299

Ion Ratio Lower Upper

117 100

82 52.8 42.0 63.0

119 32.1 25.3 37.9

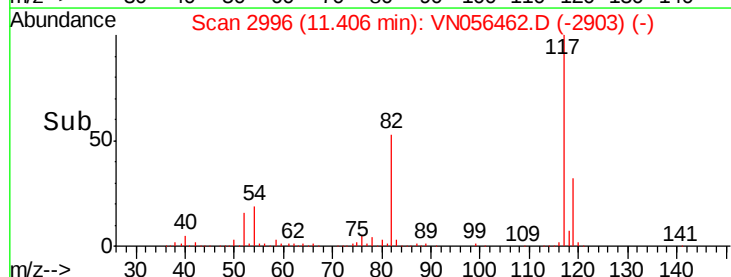


Abundance Ion 116.90 (116.60 to 117.60): VN056462.D (-2903) (-)

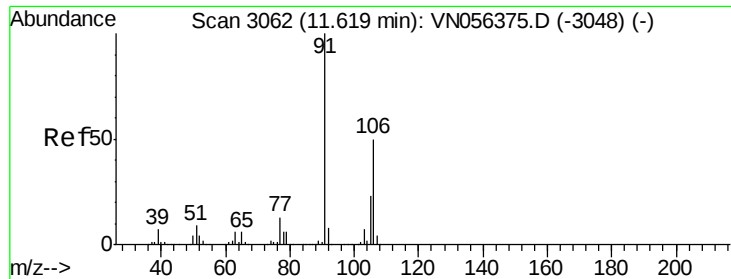
Ion 82.00 (81.70 to 82.70): VN056462.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056462.D (-2903) (-)

Time--> 11.30 11.40 11.50



Time--> 11.30 11.40 11.50



#68

m/p-Xylenes

Concen: 0.488 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

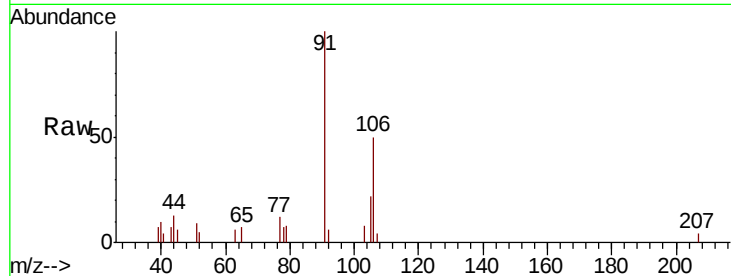
TP-4

Tot Ion:106 Resp: 4057

Ion Ratio Lower Upper

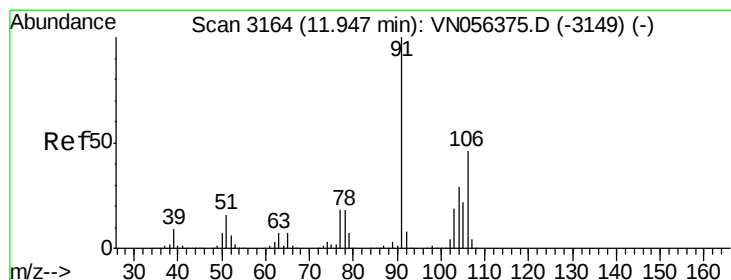
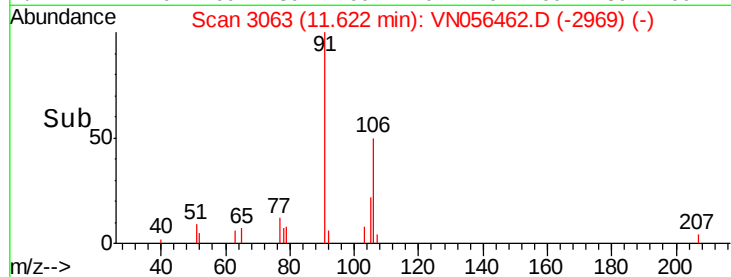
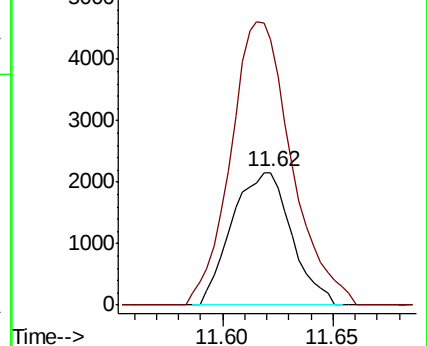
106 100

91 217.6 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.356 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056462.D

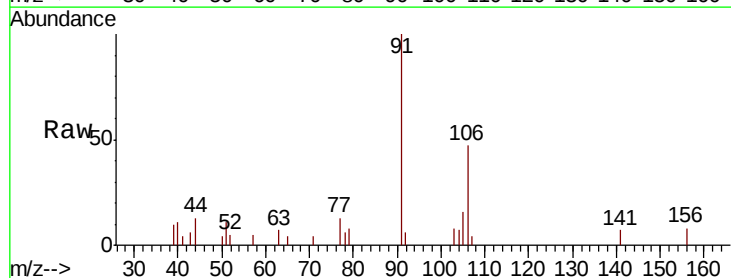
Acq: 24 Jun 2019 17:43

Tgt Ion:106 Resp: 2933

Ion Ratio Lower Upper

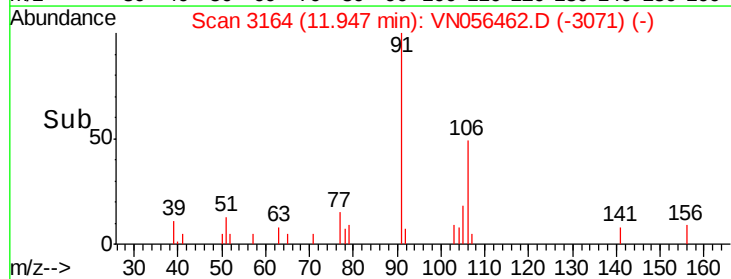
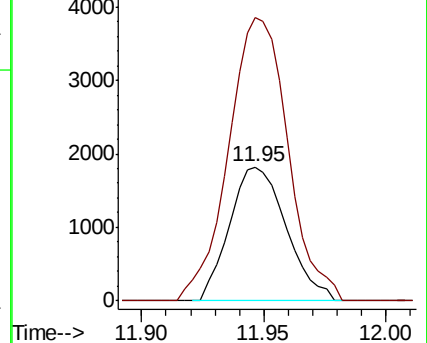
106 100

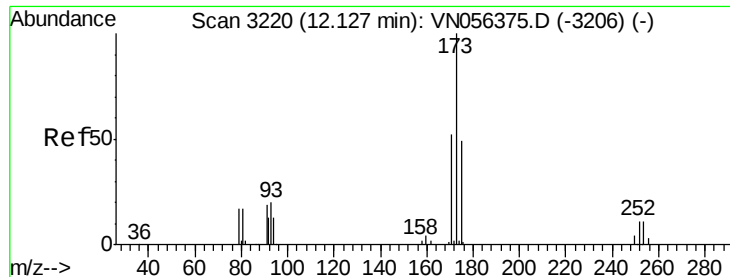
91 221.8 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 3.611 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

TP-4

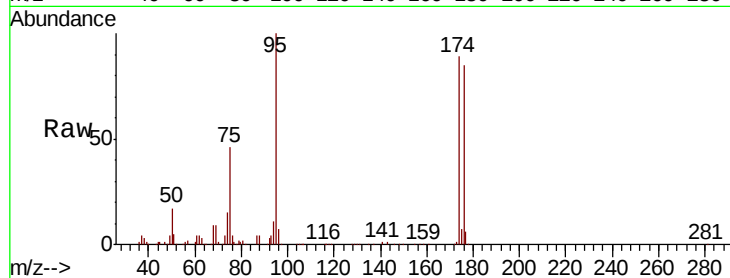
Tot Ion:173 Resp: 1761

Ion Ratio Lower Upper

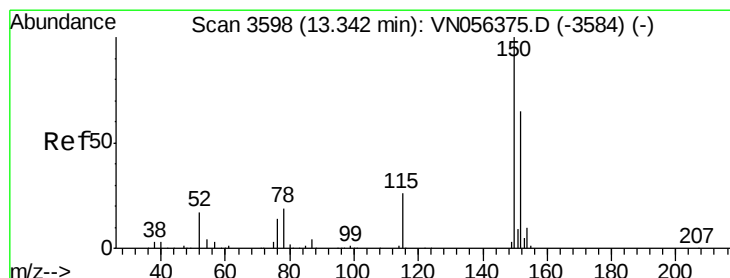
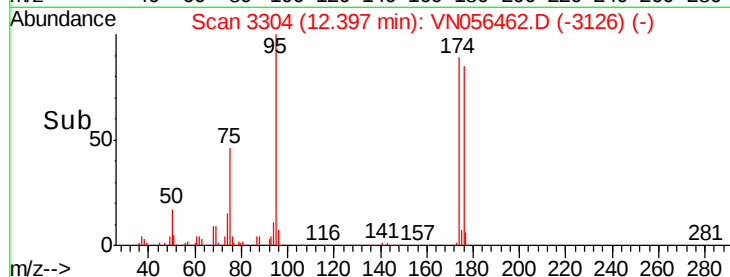
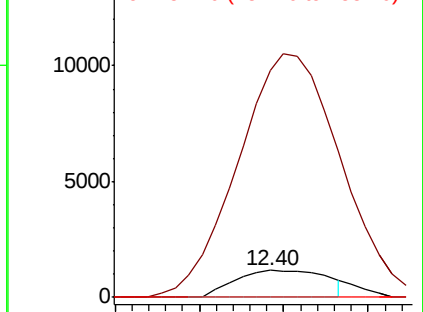
173 100

175 886.4 24.4 73.4#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN056462.D

Acq: 24 Jun 2019 17:43

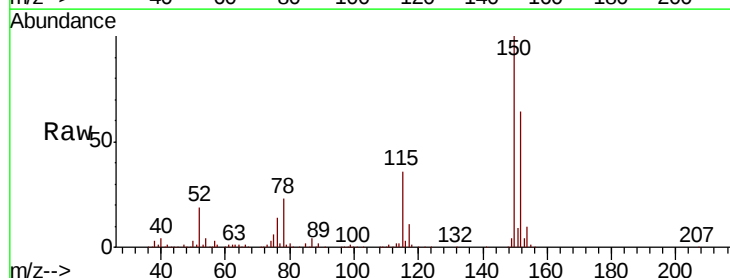
Tgt Ion:152 Resp: 206623

Ion Ratio Lower Upper

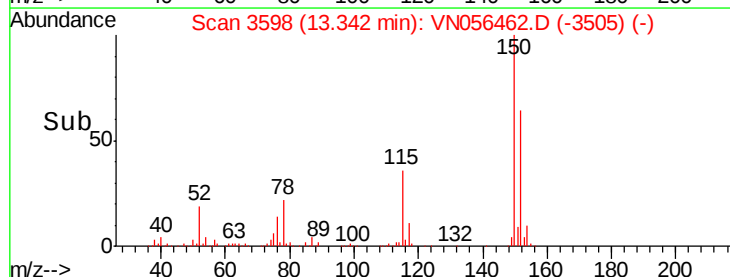
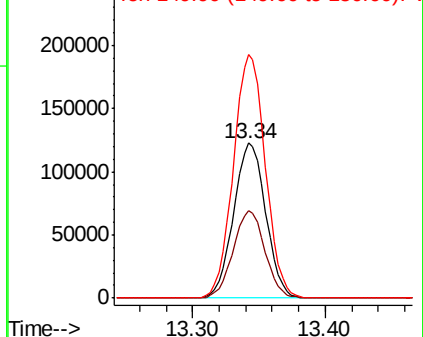
152 100

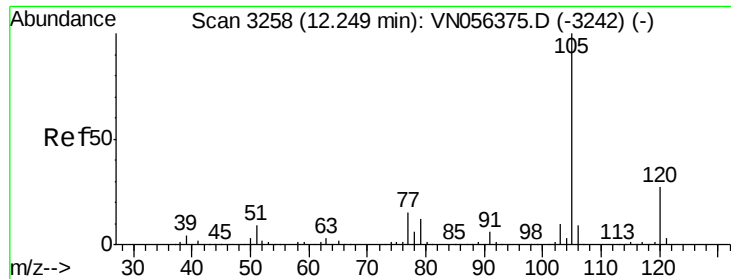
115 55.6 28.1 84.4

150 156.1 0.0 348.4



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

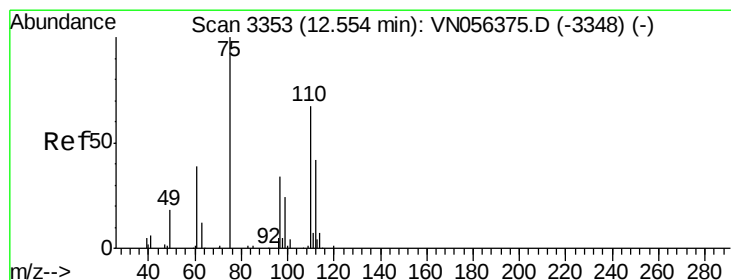
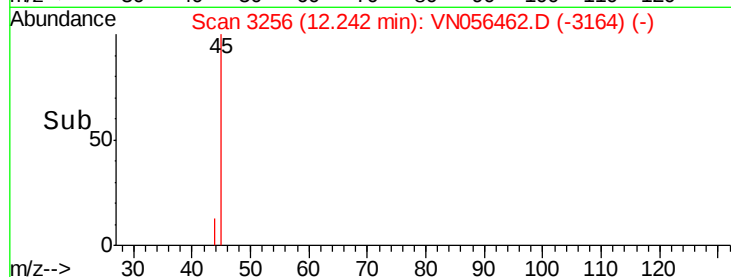
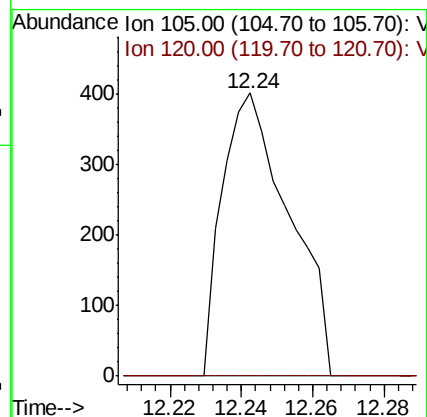
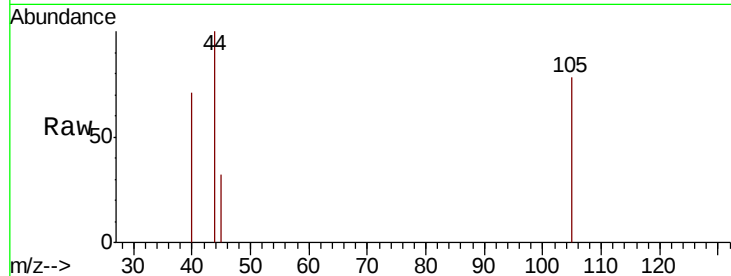
TP-4

Tot Ion:105 Resp: 521

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



#76

1,2,3-Trichloropropane

Concen: 28.981 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056462.D

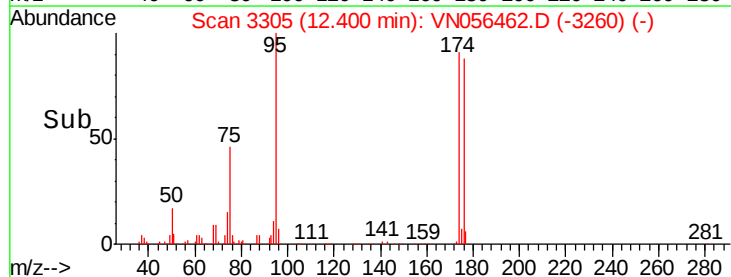
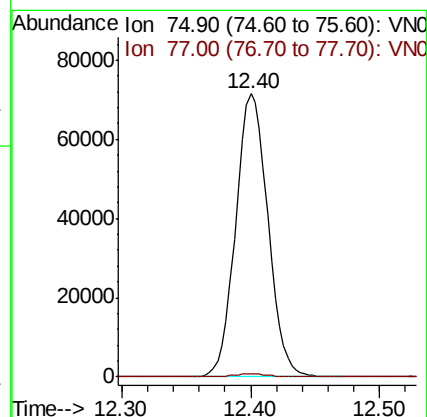
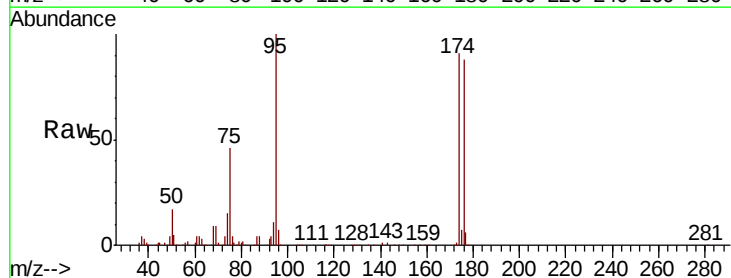
Acq: 24 Jun 2019 17:43

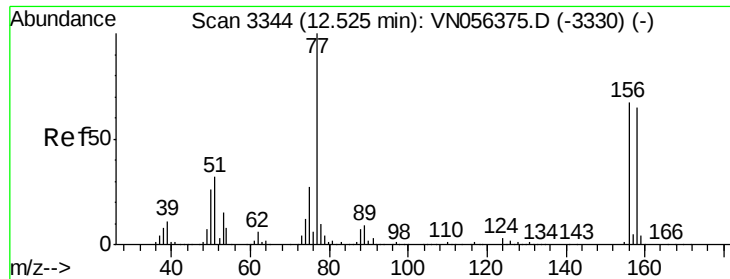
Tgt Ion: 75 Resp: 124163

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#77

Bromobenzene

Concen: 0.526 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.02 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

TP-4

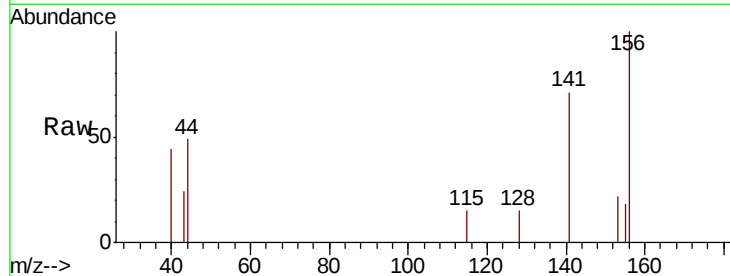
Tot Ion:156 Resp: 2432

Ion Ratio Lower Upper

156 100

77 0.0 92.5 277.3#

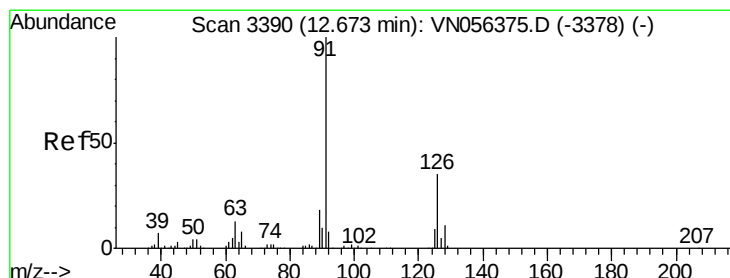
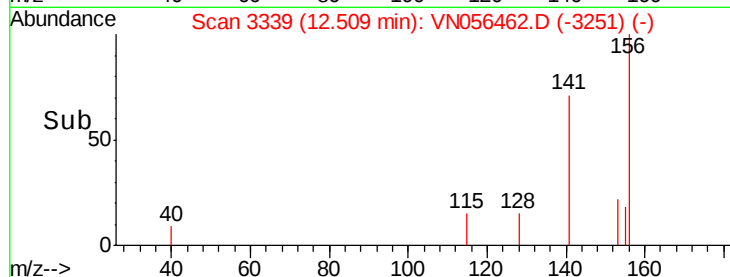
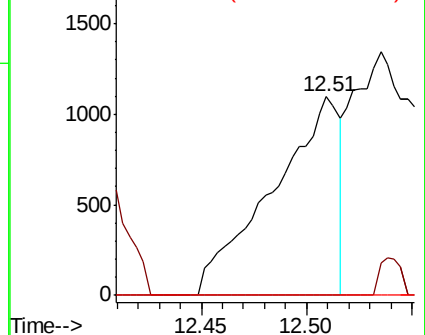
158 0.0 48.7 146.1#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056462.D

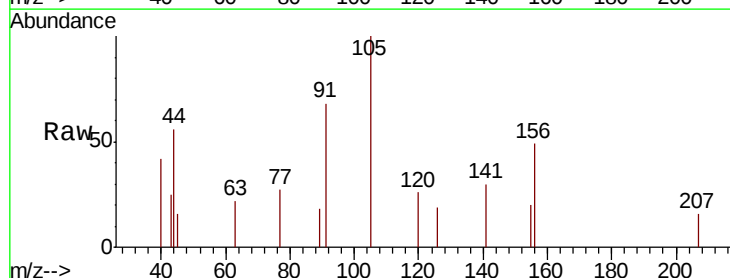
Acq: 24 Jun 2019 17:43

Tgt Ion: 91 Resp: 1958

Ion Ratio Lower Upper

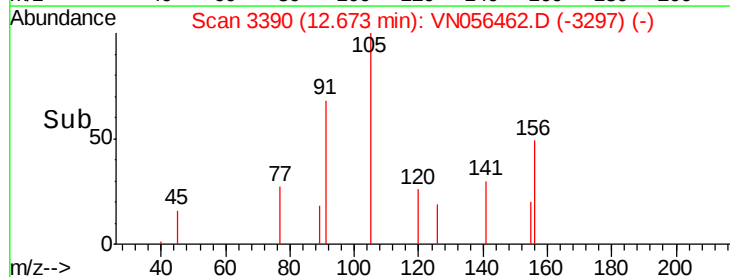
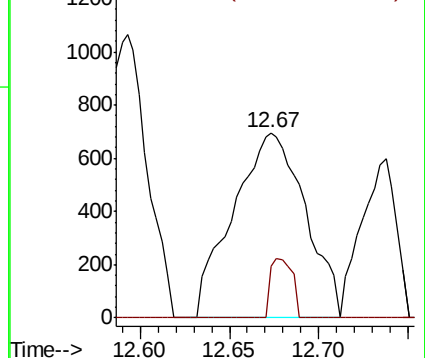
91 100

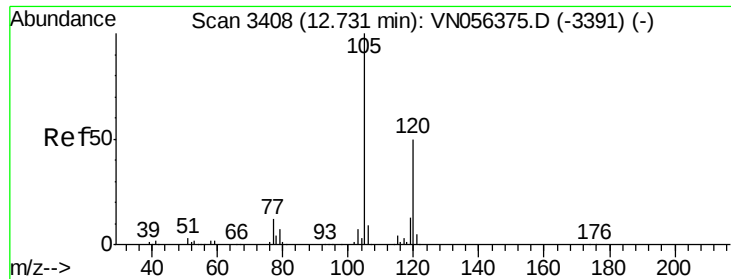
126 9.7 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampleId :

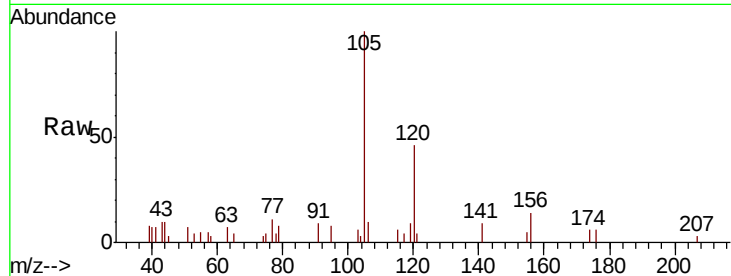
TP-4

Tot Ion:105 Resp: 8260

Ion Ratio Lower Upper

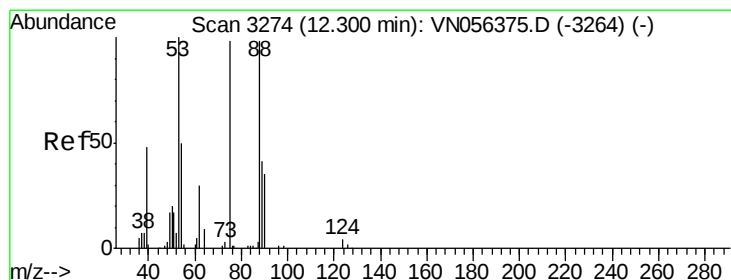
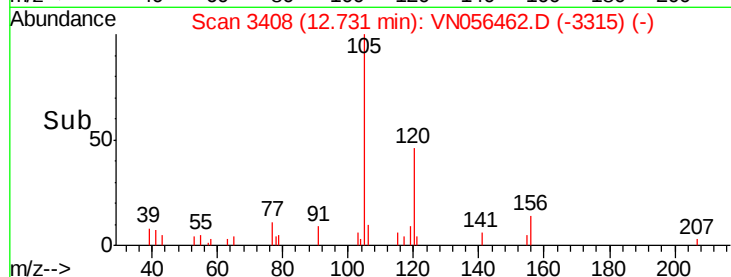
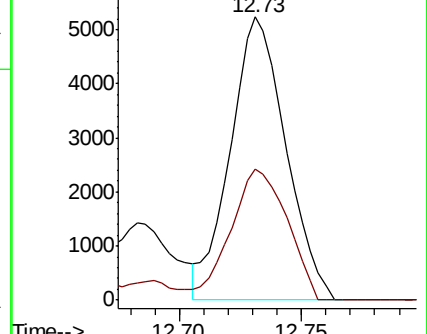
105 100

120 47.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 103.001 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

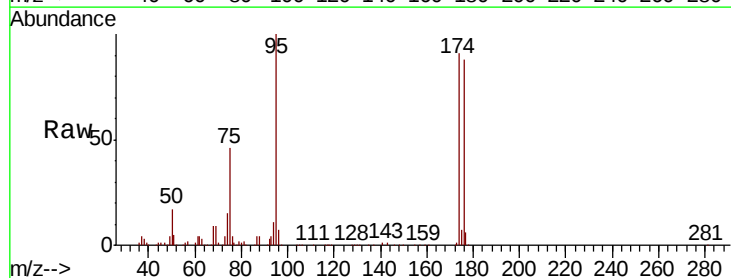
Tgt Ion: 75 Resp: 124163

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

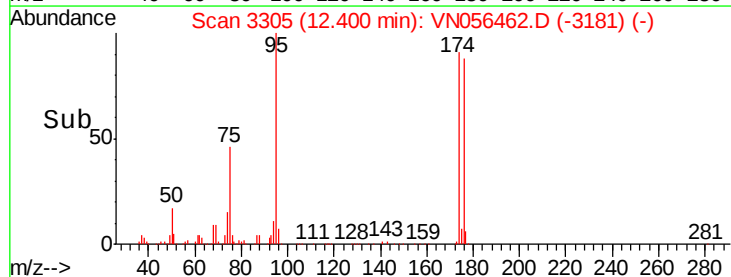
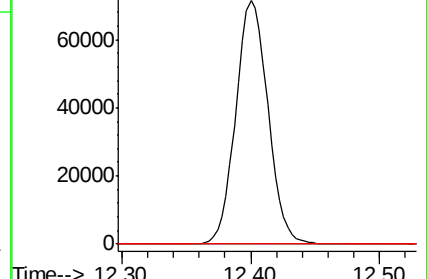
89 0.0 35.0 52.6#

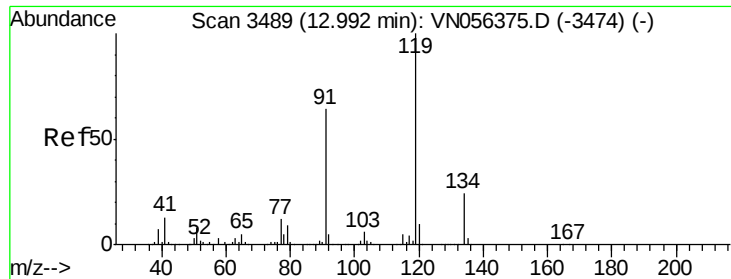


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

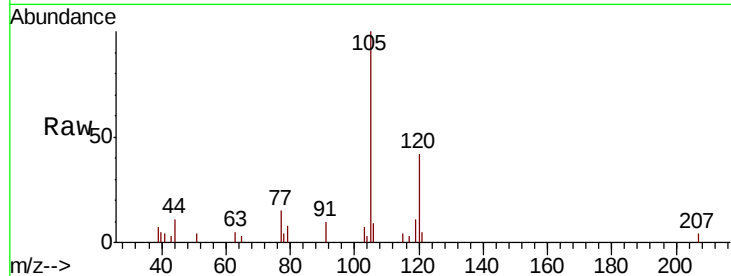




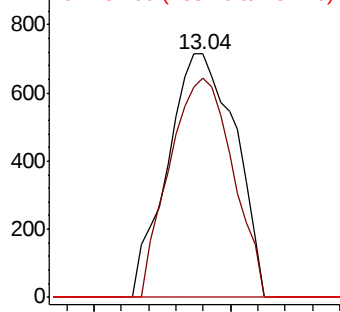
#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Instrument :
MSVOA_N
ClientSampled :
TP-4

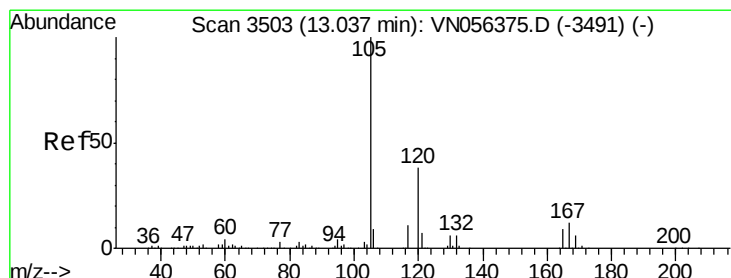
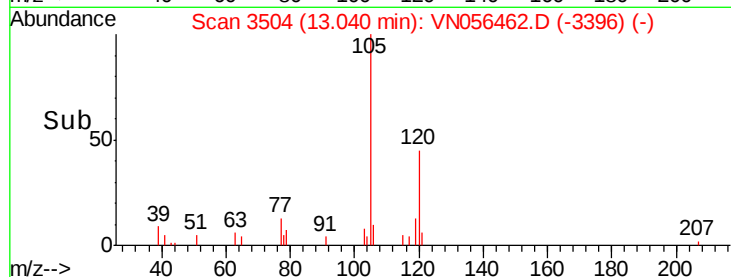
Tot Ion:119 Resp: 1236
Ion Ratio Lower Upper
119 100
91 83.7 31.6 94.7
134 0.0 13.2 39.5#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

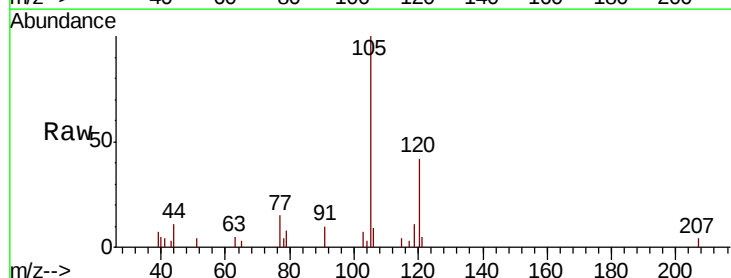


Time-->

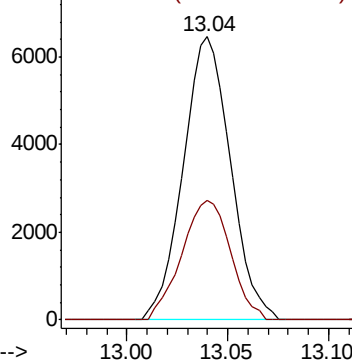


#84
1,2,4-Trimethylbenzene
Concen: 0.763 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

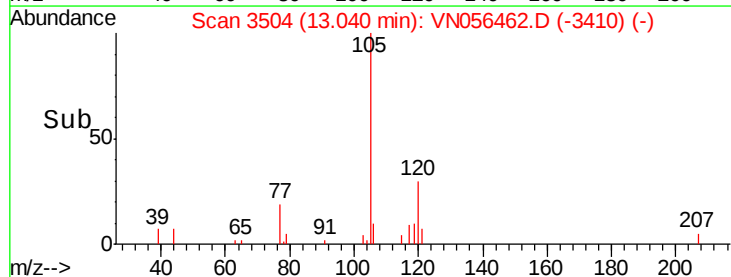
Tgt Ion:105 Resp: 10620
Ion Ratio Lower Upper
105 100
120 43.6 22.9 68.8

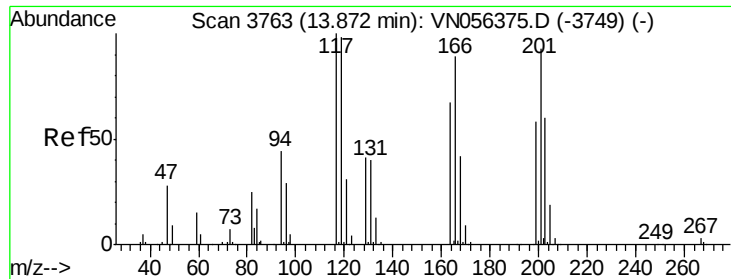


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#90

Hexachloroethane

Concen: 0.291 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

Instrument :

MSVOA_N

ClientSampled :

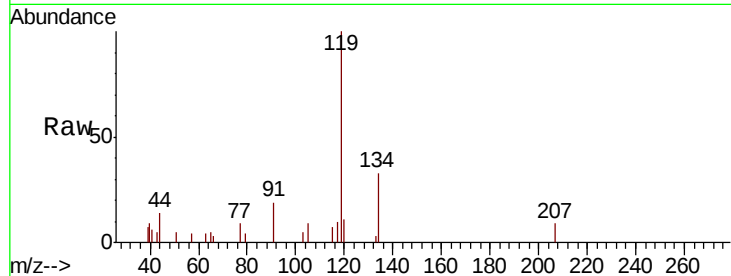
TP-4

Tot Ion:117 Resp: 647

Ion Ratio Lower Upper

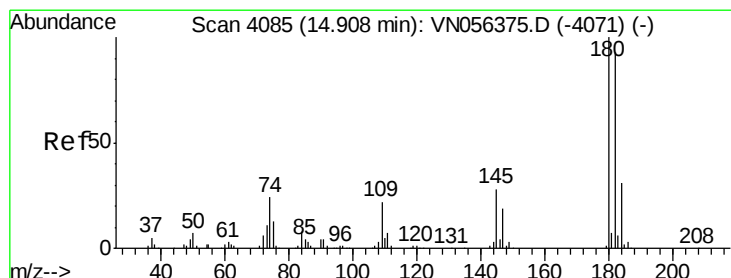
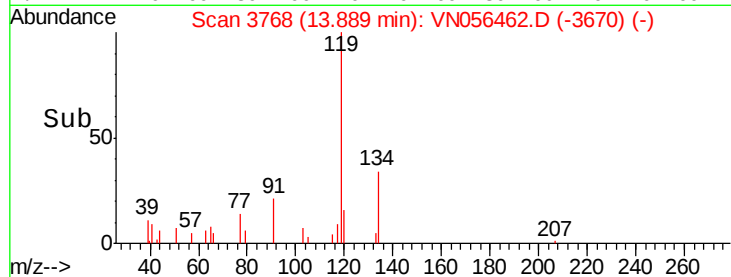
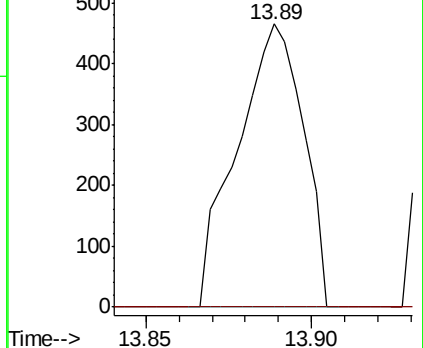
117 100

201 0.0 45.9 137.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 5.643 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN056462.D

Acq: 24 Jun 2019 17:43

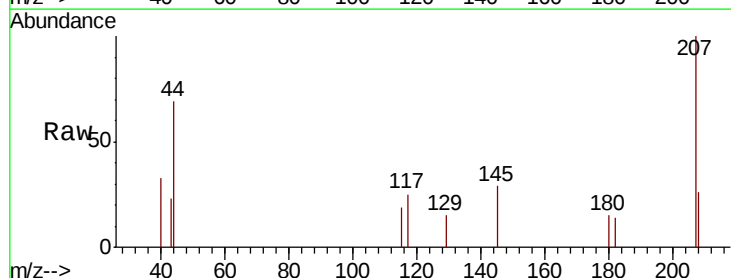
Tgt Ion:180 Resp: 119

Ion Ratio Lower Upper

180 100

182 24.4 46.9 140.6#

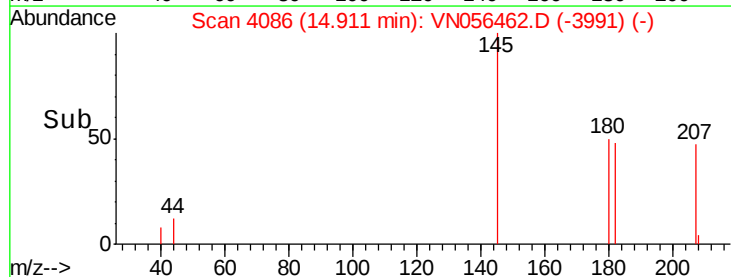
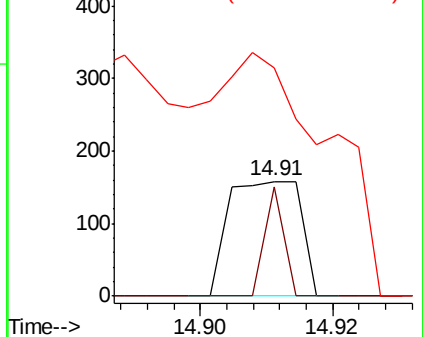
145 297.5 14.4 43.0#

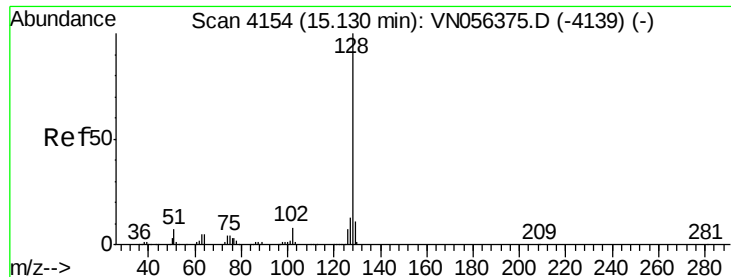


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

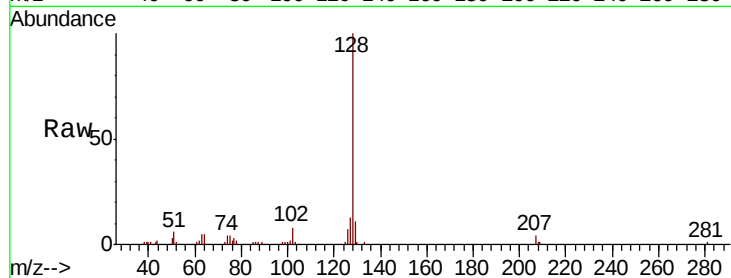




#95
Naphthalene
Concen: 11.074 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056462.D
Acq: 24 Jun 2019 17:43

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.8	8.6	12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

