

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056436.D
 Acq On : 21 Jun 2019 19:10
 Operator : JC/SP
 Sample : K3470-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SAMPLE-4

Quant Time: Jun 22 01:48:57 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	384528	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	656851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	659379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	218809	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.59	113	188762	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	10.09	98	816843	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	278741	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
13) Acrolein	3.60	56	227	0.375	ug/l #	14
14) Allyl chloride	4.55	41	3509	0.621	ug/l #	28
16) Acetone	3.82	43	15389	7.207	ug/l	95
18) Methyl Acetate	4.33	43	7314	0.897	ug/l #	75
20) Methylene Chloride	4.55	84	95414	23.228	ug/l	98
25) 2-Butanone	6.86	43	4595	1.626	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	6317	1.474	ug/l	94
29) Tetrahydrofuran	7.22	42	595	0.345	ug/l #	64
30) Chloroform	7.37	83	1738	0.258	ug/l	87
31) Cyclohexane	7.66	56	6024	0.915	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24343	4.211	ug/l #	50
38) Carbon Tetrachloride	7.66	117	33815	6.688	ug/l #	15
43) Isopropyl Acetate	8.17	43	13430	1.533	ug/l	94
44) Trichloroethene	8.83	130	4177	0.872	ug/l	95
45) 1,2-Dichloropropane	9.27	63	1807	0.380	ug/l #	43
48) Methyl methacrylate	9.18	41	8880	2.023	ug/l #	12
49) 1,4-Dioxane	9.27	88	104	1.141	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4316	0.763	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	58941	9.275	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	13029	1.775	ug/l #	42
59) 2-Hexanone	10.76	43	178923	43.052	ug/l #	51
60) Dibromochloromethane	10.63	129	817	2.555	ug/l #	10
67) Ethyl Benzene	11.51	91	25163	1.082	ug/l	98
68) m/p-Xylenes	11.62	106	40258	4.722	ug/l	99
69) o-Xylene	11.95	106	17601	2.087	ug/l	98
71) Bromoform	12.40	173	2116	3.692	ug/l #	1
73) Isopropylbenzene	12.25	105	1563	Below Cal		84
76) 1,2,3-Trichloropropane	12.40	75	129568	28.630	ug/l #	100
78) n-propylbenzene	12.59	91	6319	0.316	ug/l	98
79) 2-Chlorotoluene	12.66	91	3797	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	27202	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	129568	101.756	ug/l #	8
82) 4-Chlorotoluene	12.73	91	2590	0.219	ug/l #	40
83) tert-Butylbenzene	13.04	119	13945	Below Cal	#	68

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

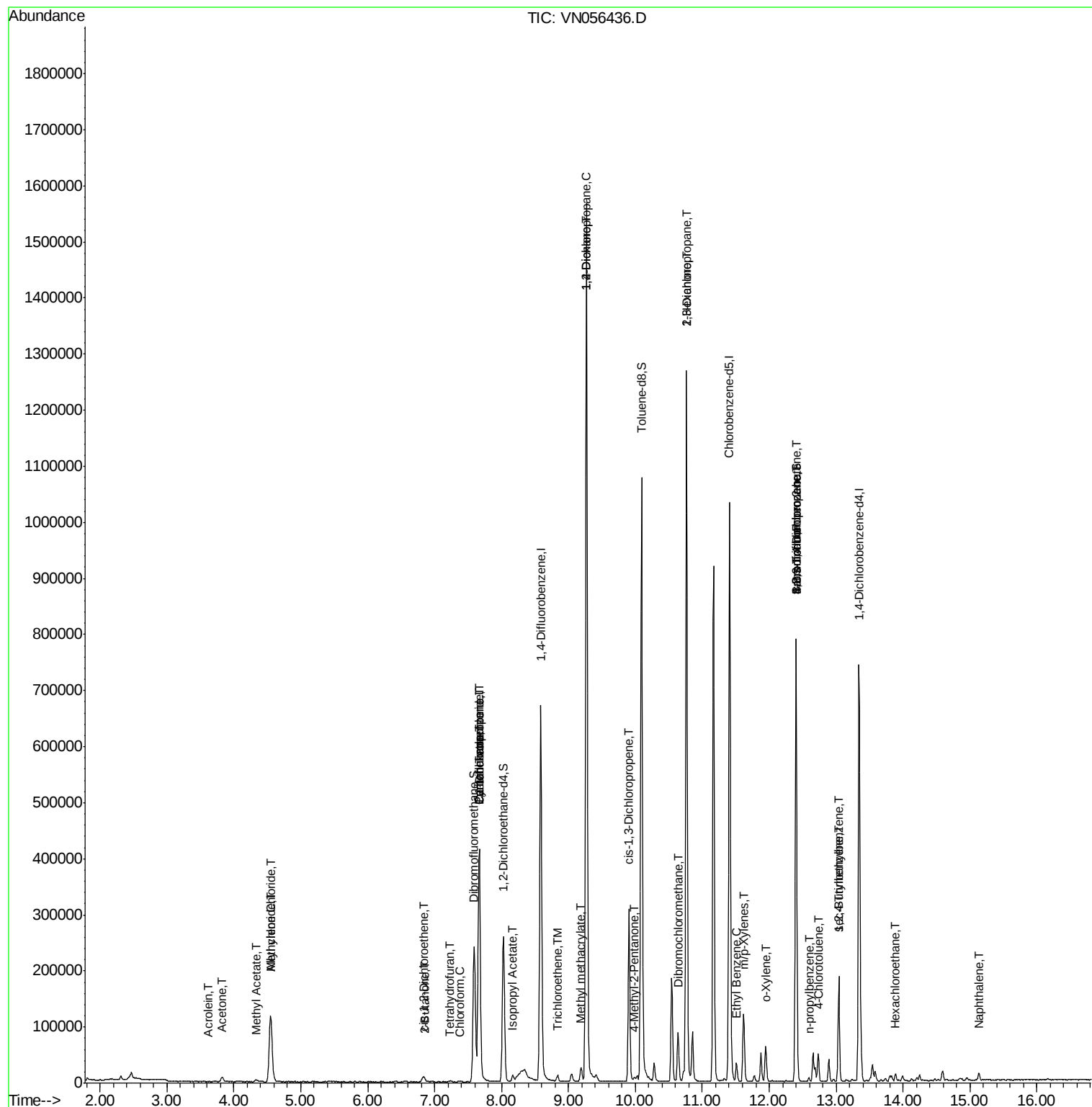
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	109563	7.457	ug/l	99
85) sec-Butylbenzene	13.04	105	109563	6.237	ug/l #	56
90) Hexachloroethane	13.89	117	672	0.286	ug/l #	4
95) Naphthalene	15.13	128	12879	6.399	ug/l	96

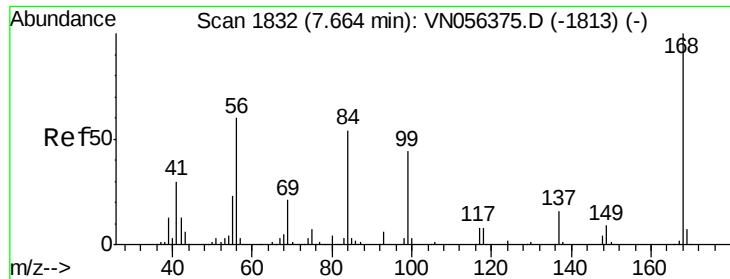
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\
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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: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

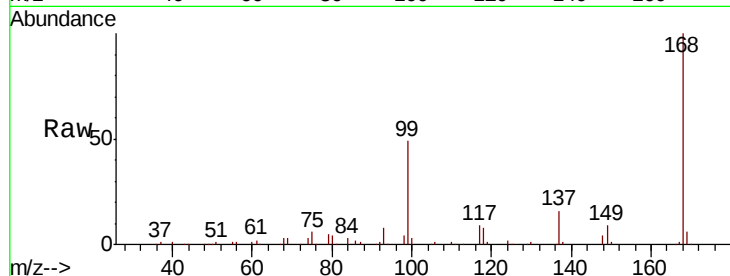
SAMPLE-4

Tot Ion:168 Resp: 384528

Ion Ratio Lower Upper

168 100

99 48.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.67

150000

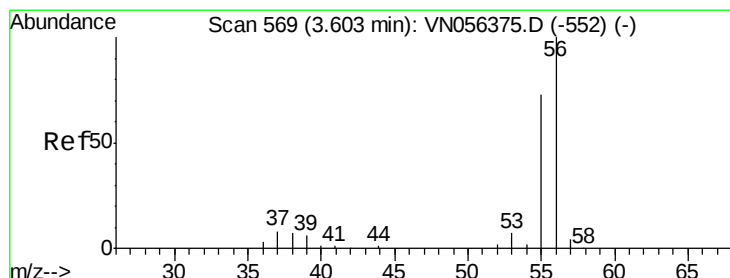
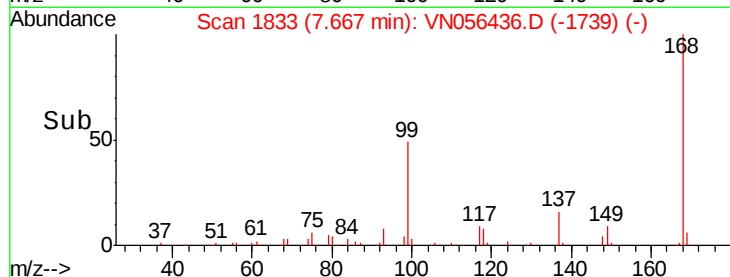
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 0.375 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056436.D

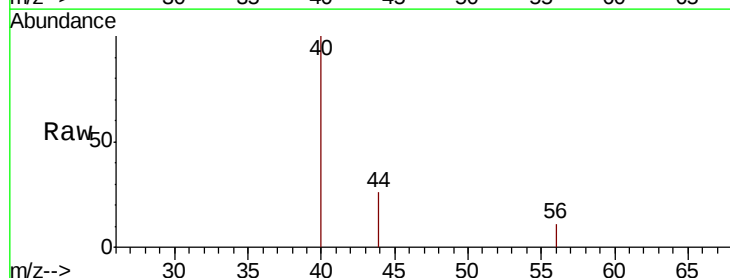
Acq: 21 Jun 2019 19:10

Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN056375.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN056375.D (-552) (-)

3.60

250

200

150

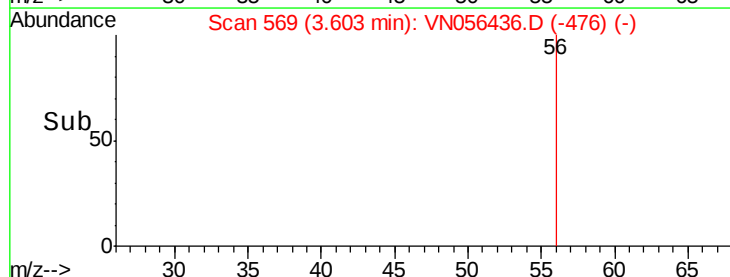
100

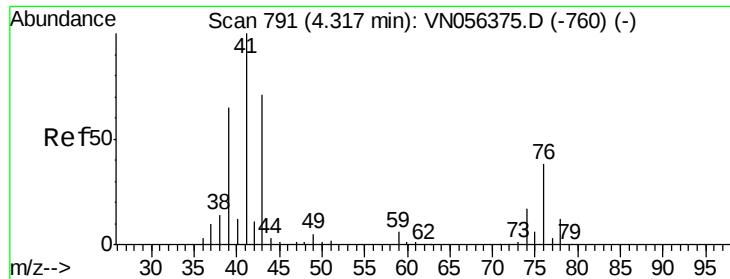
50

0

3.58 3.60 3.62

Time-->

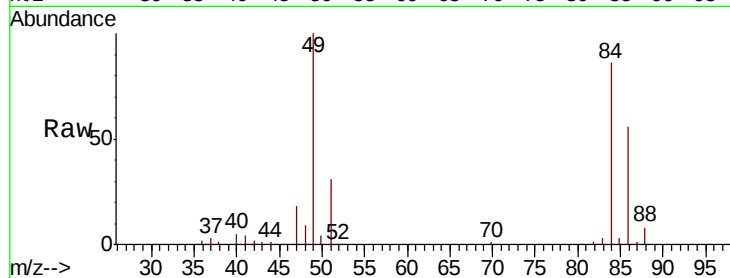




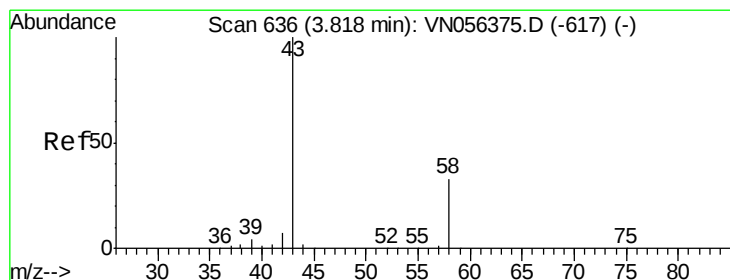
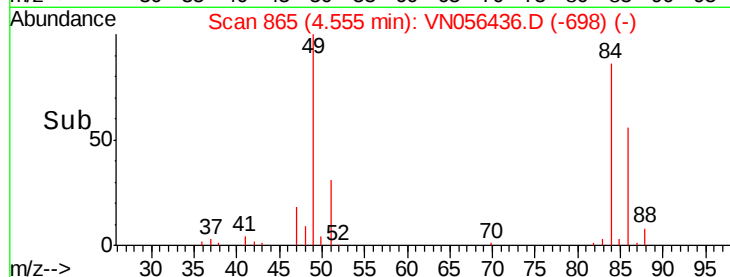
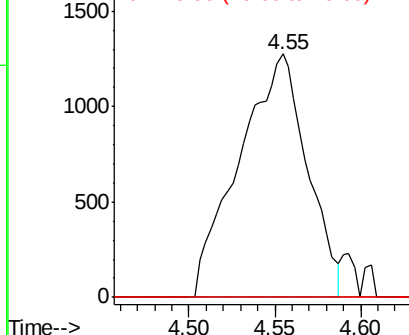
#14
Allvl chloride
Concen: 0.621 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.24 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Instrument :
MSVOA_N
ClientSampled :
SAMPLE-4

Tot Ion: 41 Resp: 3509
Ion Ratio Lower Upper
41 100
39 0.0 48.6 73.0#
76 0.0 26.6 40.0#

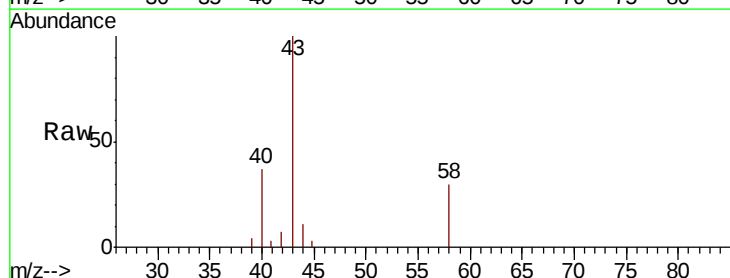


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

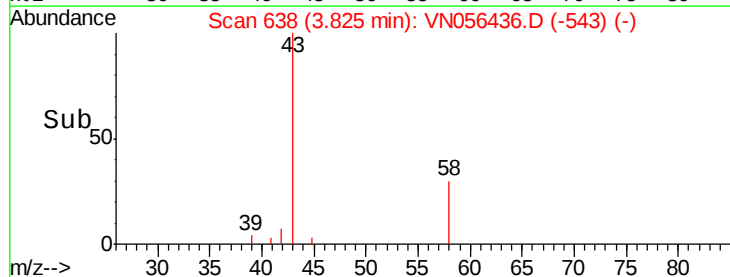
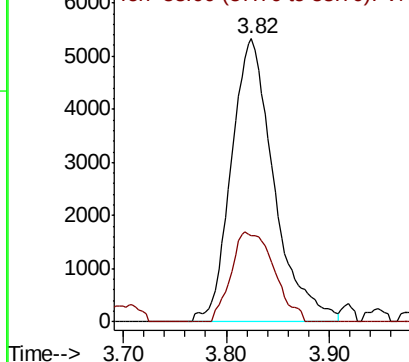


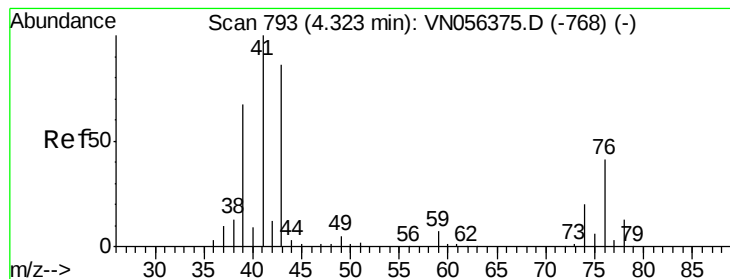
#16
Acetone
Concen: 7.207 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Tgt Ion: 43 Resp: 15389
Ion Ratio Lower Upper
43 100
58 30.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.897 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

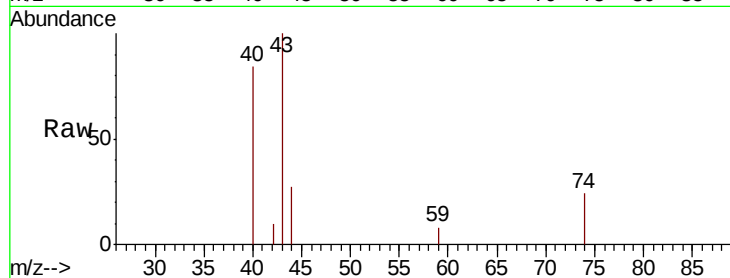
SAMPLE-4

Tot Ion: 43 Resp: 7314

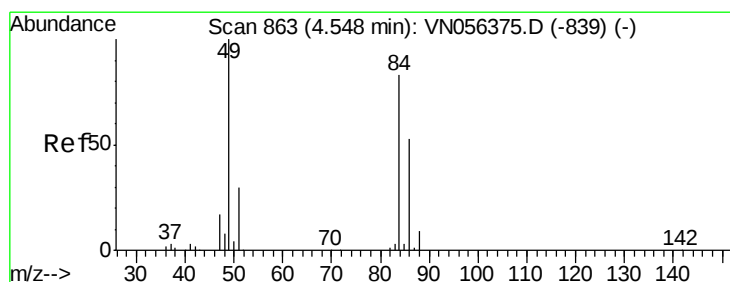
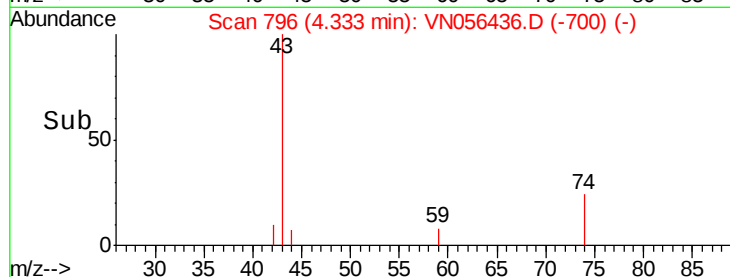
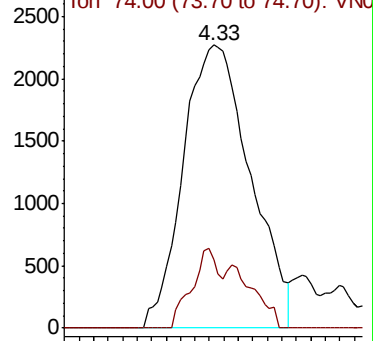
Ion Ratio Lower Upper

43 100

74 11.6 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN056436.D (-700) (-)



#20

Methylene Chloride

Concen: 23.228 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Tgt Ion: 84 Resp: 95414

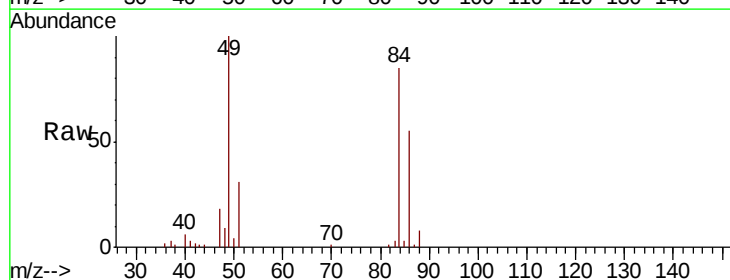
Ion Ratio Lower Upper

84 100

49 117.4 96.4 144.6

51 36.8 28.6 43.0

86 64.9 51.4 77.2

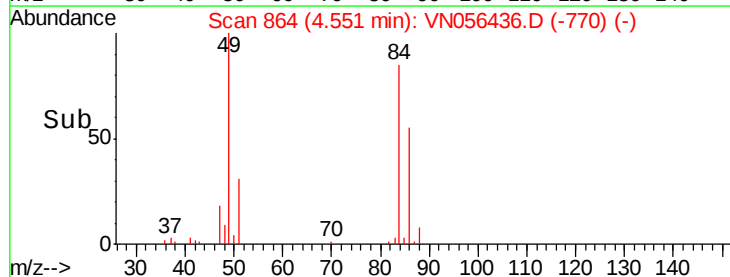
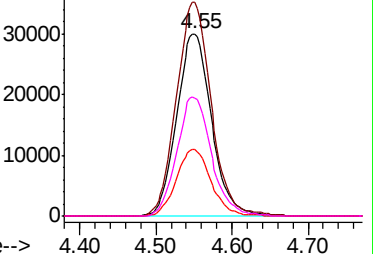


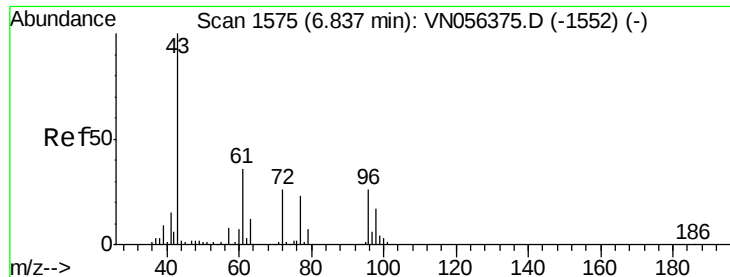
Abundance Ion 83.90 (83.60 to 84.60): VN056436.D (-770) (-)

Ion 48.90 (48.60 to 49.60): VN056436.D (-770) (-)

Ion 50.90 (50.60 to 51.60): VN056436.D (-770) (-)

Ion 85.90 (85.60 to 86.60): VN056436.D (-770) (-)

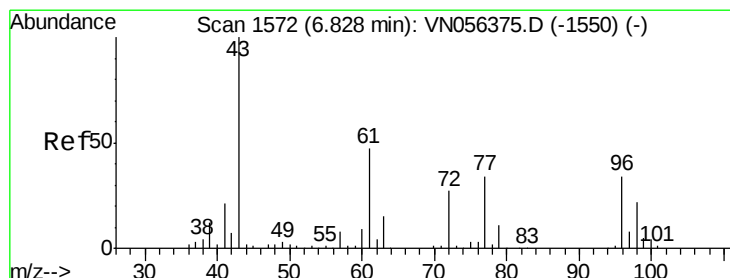
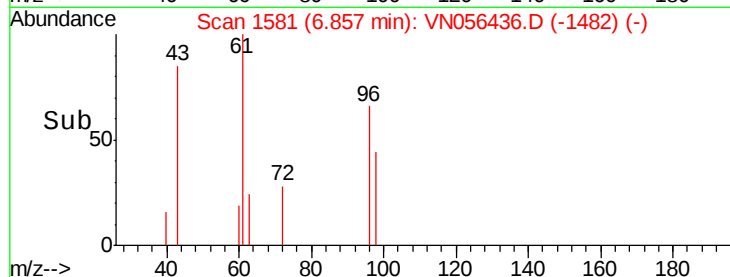
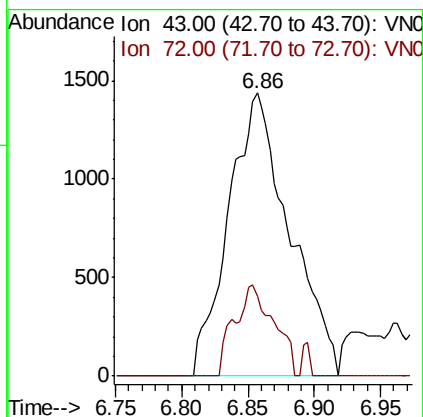
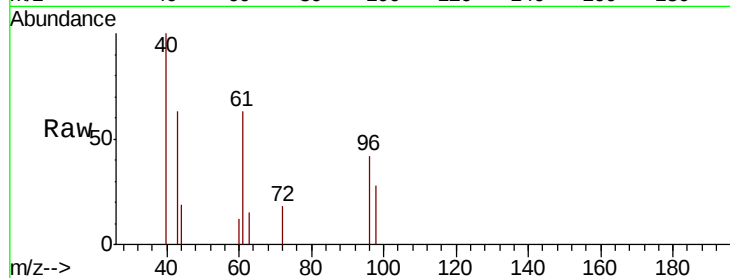




#25
2-Butanone
Concen: 1.626 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

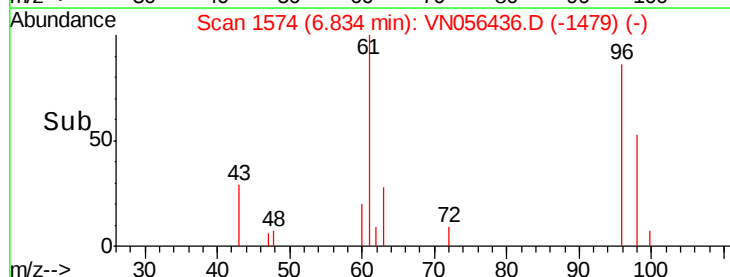
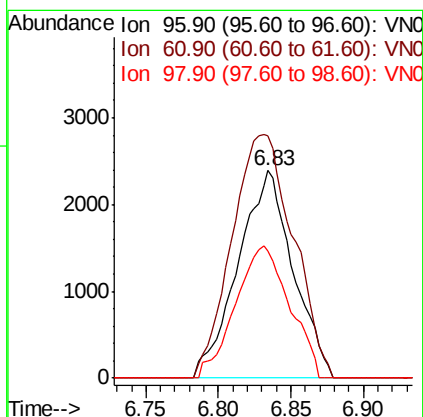
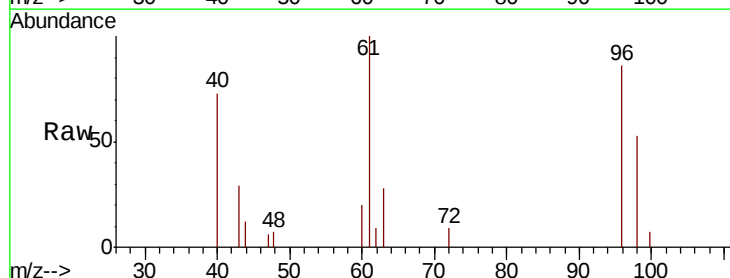
Instrument :
MSVOA_N
ClientSampled :
SAMPLE-4

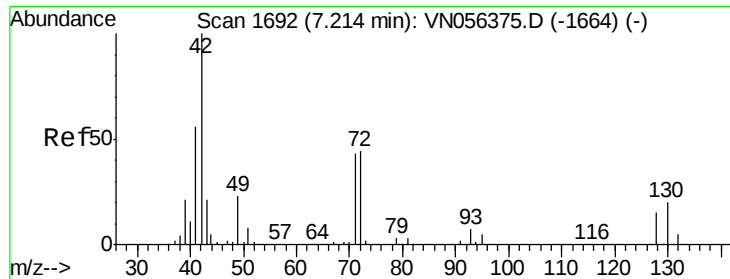
Tot Ion: 43 Resp: 4595
Ion Ratio Lower Upper
43 100
72 28.0 20.6 31.0



#27
cis-1,2-Dichloroethene
Concen: 1.474 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Tgt Ion: 96 Resp: 6317
Ion Ratio Lower Upper
96 100
61 130.7 0.0 279.8
98 62.4 0.0 130.0

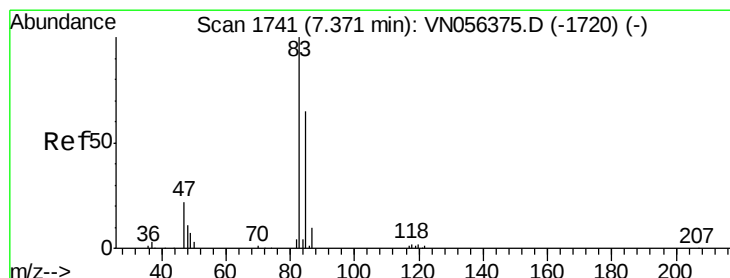
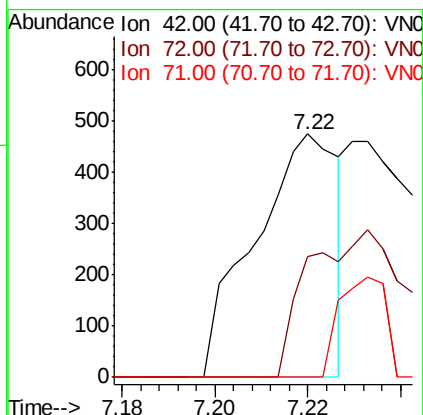
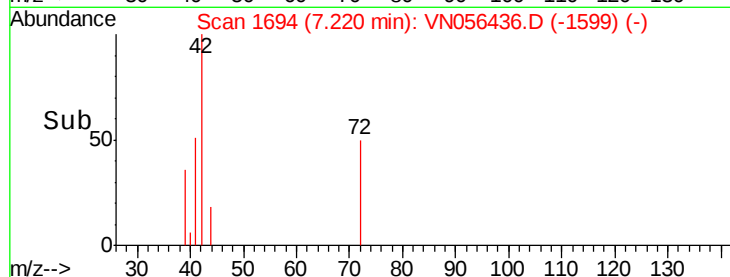
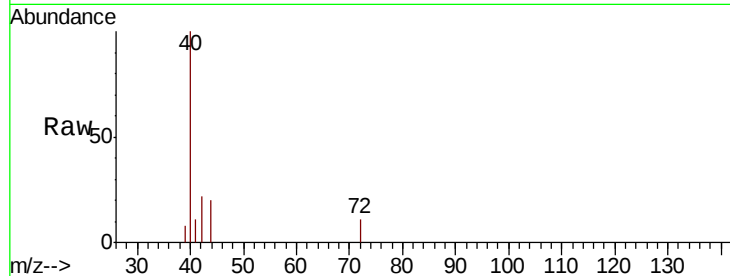




#29
Tetrahydrofuran
Concen: 0.345 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

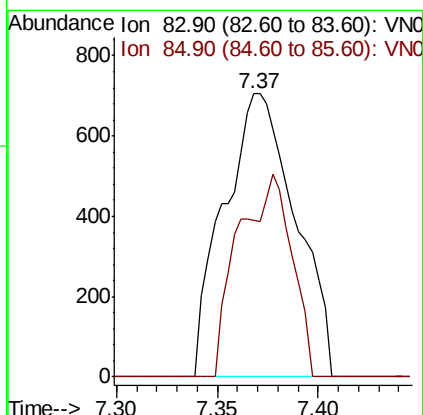
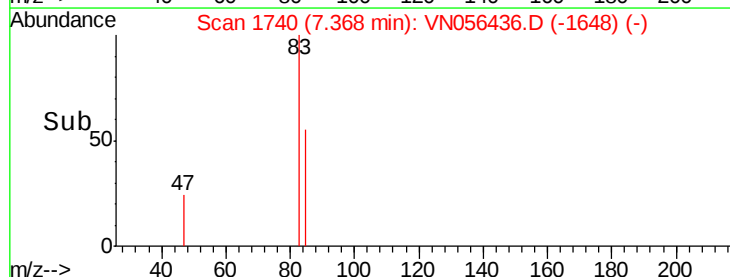
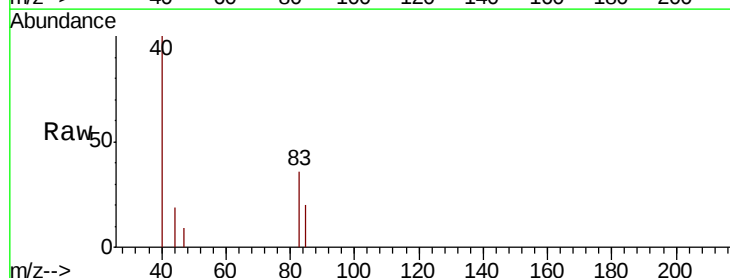
Instrument :
MSVOA_N
ClientSampled :
SAMPLE-4

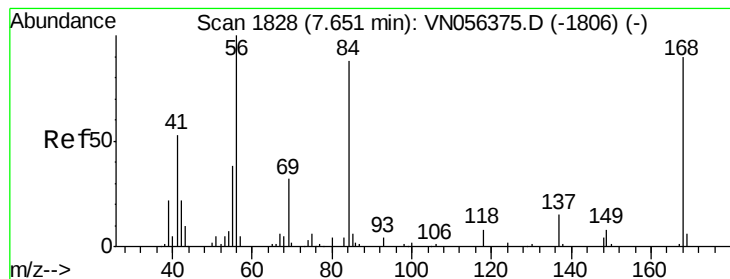
Tot Ion: 42 Resp: 595
Ion Ratio Lower Upper
42 100
72 70.3 34.7 52.1#
71 22.9 33.0 49.6#



#30
Chloroform
Concen: 0.258 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Tgt Ion: 83 Resp: 1738
Ion Ratio Lower Upper
83 100
85 55.5 52.3 78.5





#31

Cyclohexane

Concen: 0.915 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

SAMPLE-4

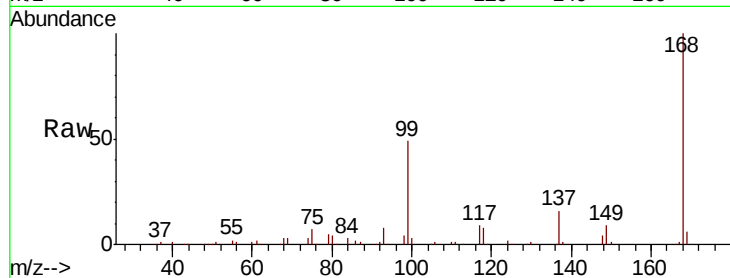
Tot Ion: 56 Resp: 6024

Ion Ratio Lower Upper

56 100

69 209.3 25.8 38.6#

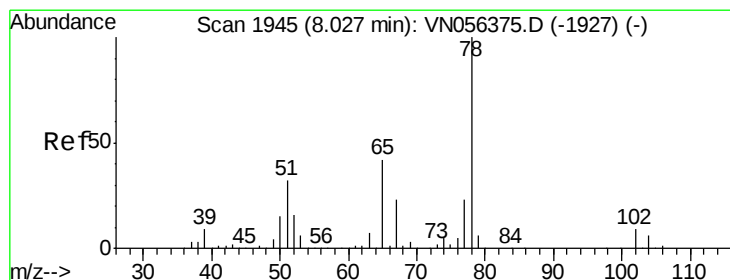
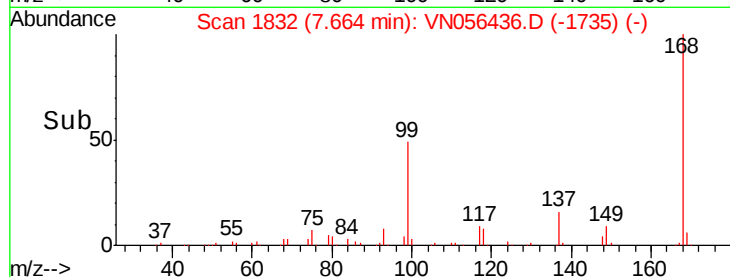
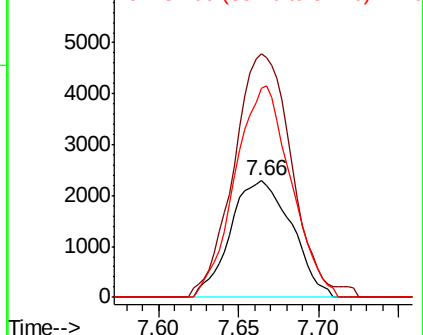
84 179.5 69.4 104.0#



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: 51.342 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056436.D

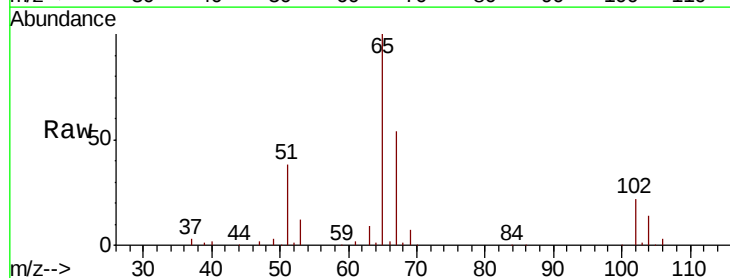
Acq: 21 Jun 2019 19:10

Tgt Ion: 65 Resp: 218809

Ion Ratio Lower Upper

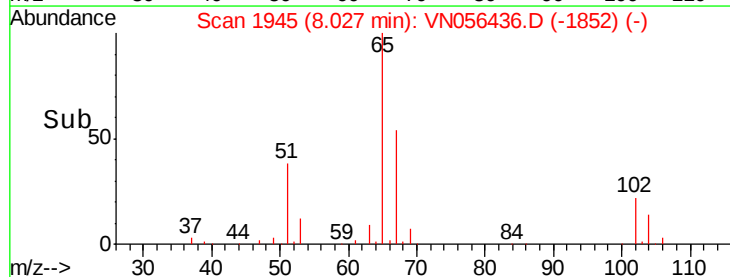
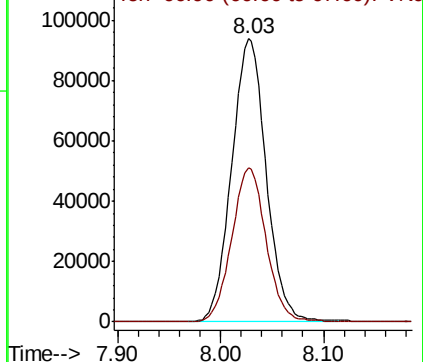
65 100

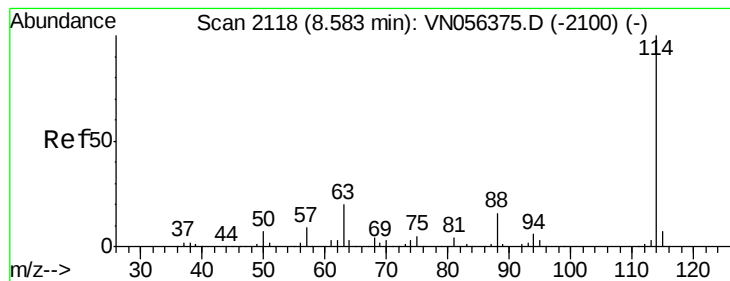
67 54.3 0.0 109.0



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: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

SAMPLE-4

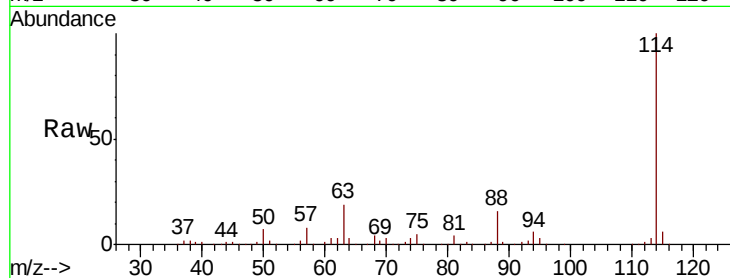
Tot Ion:114 Resp: 656851

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.2

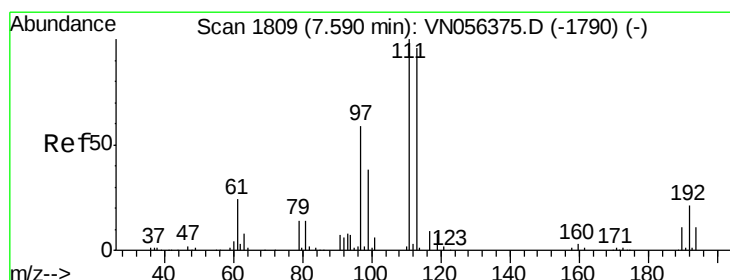
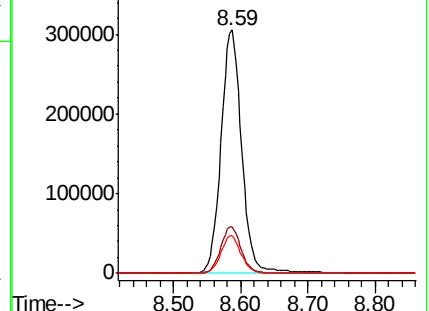
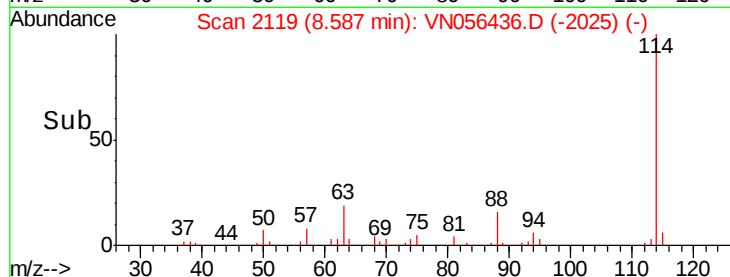
88 15.5 0.0 31.4



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: 46.066 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

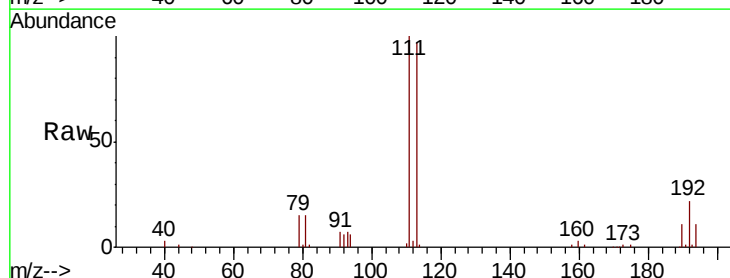
Tgt Ion:113 Resp: 188762

Ion Ratio Lower Upper

113 100

111 101.2 82.9 124.3

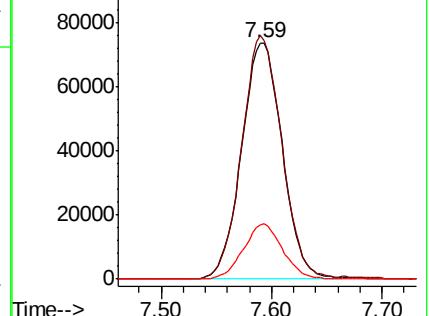
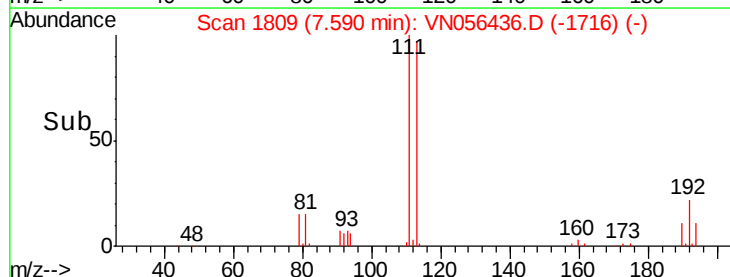
192 22.5 17.7 26.5

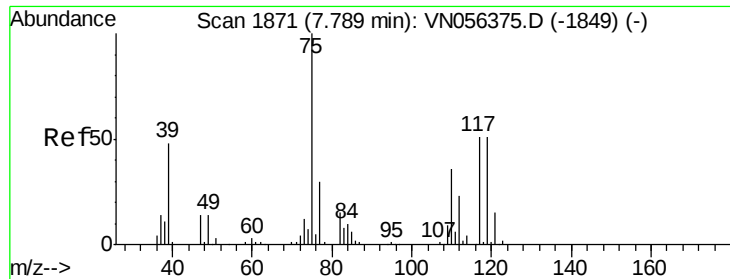


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.211 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

SAMPLE-4

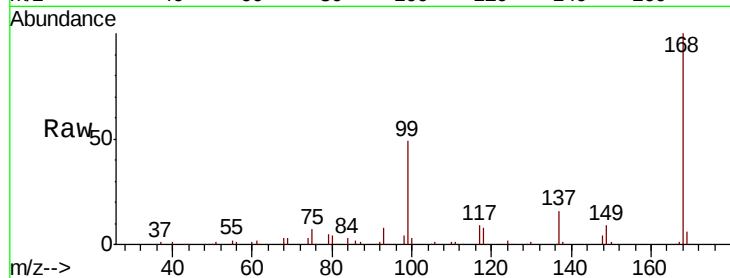
Tot Ion: 75 Resp: 24343

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

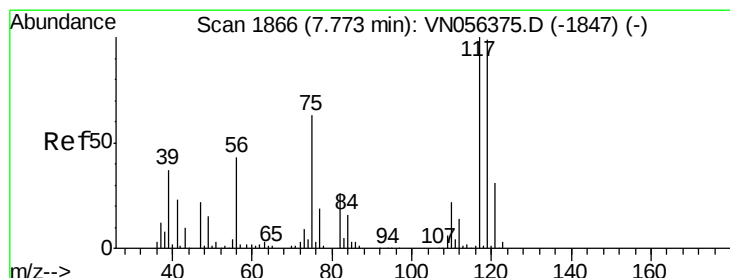
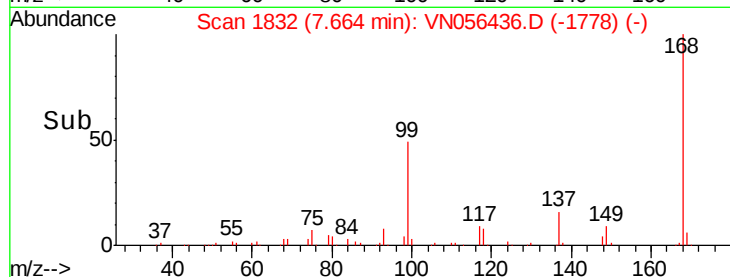
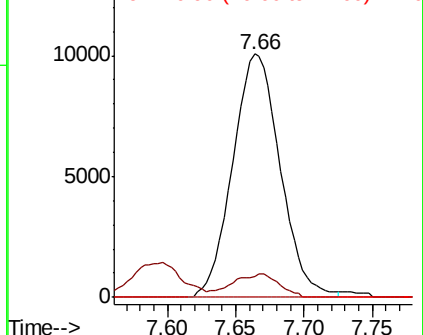
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.688 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

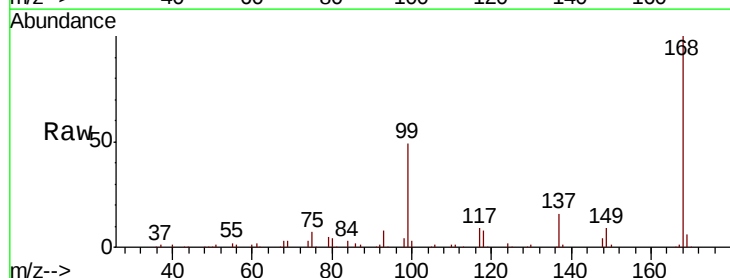
Tgt Ion: 117 Resp: 33815

Ion Ratio Lower Upper

117 100

119 5.4 79.1 118.7#

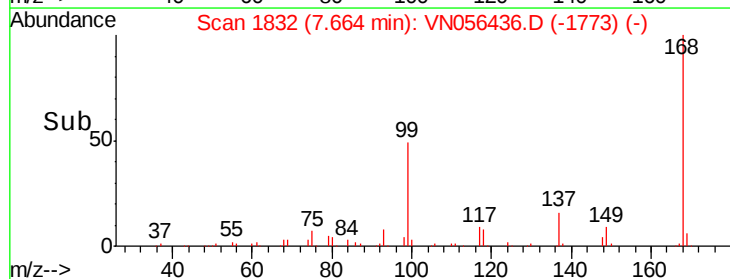
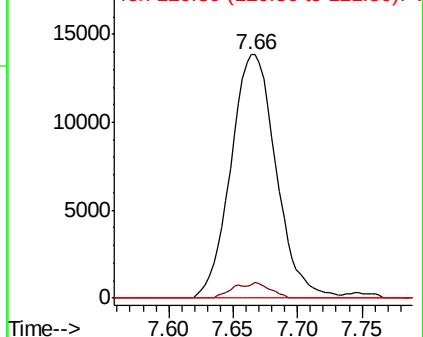
121 0.0 24.8 37.2#

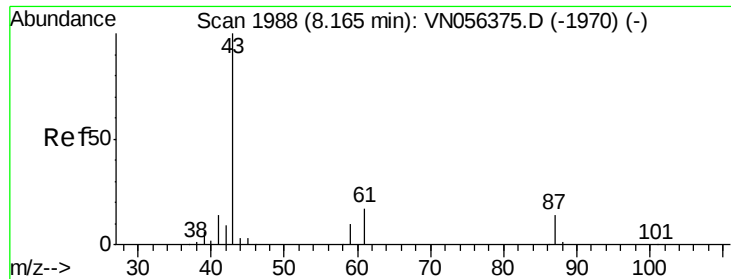


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 1.533 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

SAMPLE-4

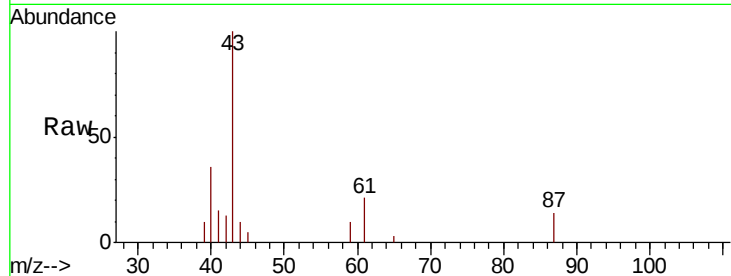
Tot Ion: 43 Resp: 13430

Ion Ratio Lower Upper

43 100

61 23.5 22.0 33.0

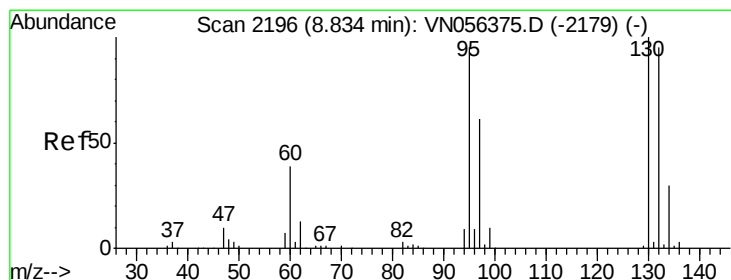
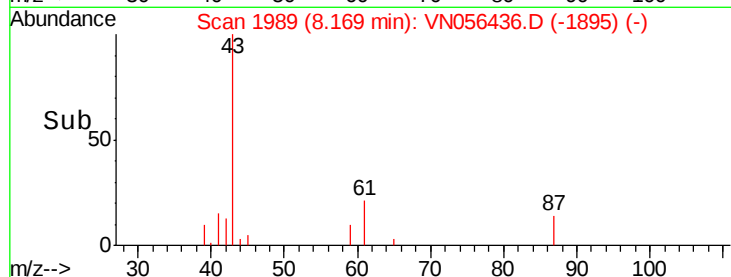
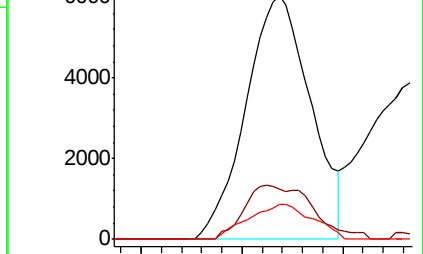
87 14.3 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 0.872 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056436.D

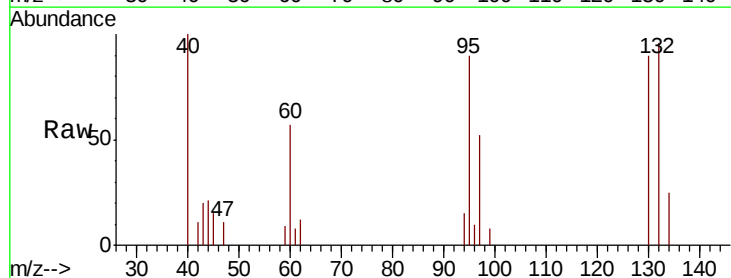
Acq: 21 Jun 2019 19:10

Tgt Ion:130 Resp: 4177

Ion Ratio Lower Upper

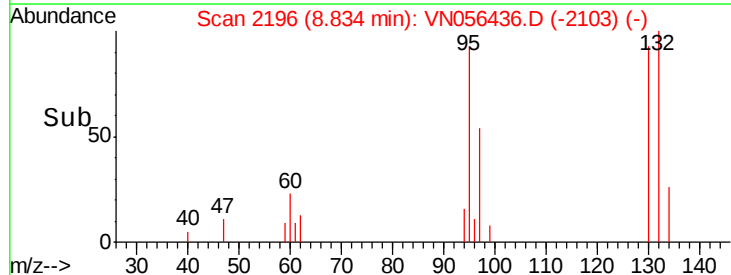
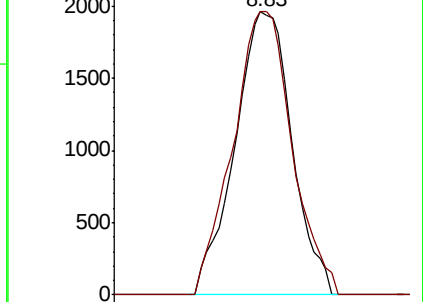
130 100

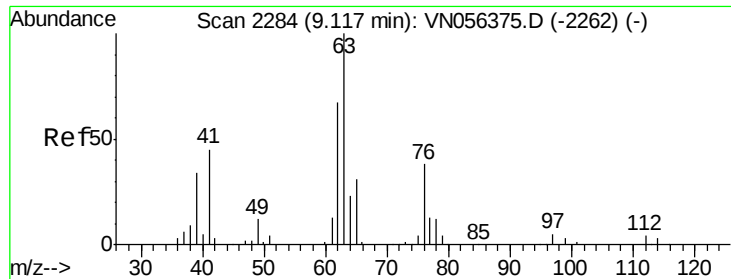
95 99.9 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)

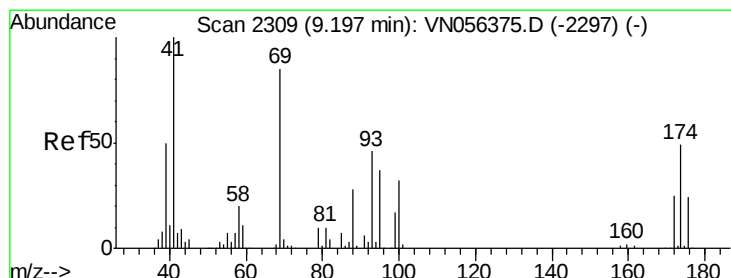
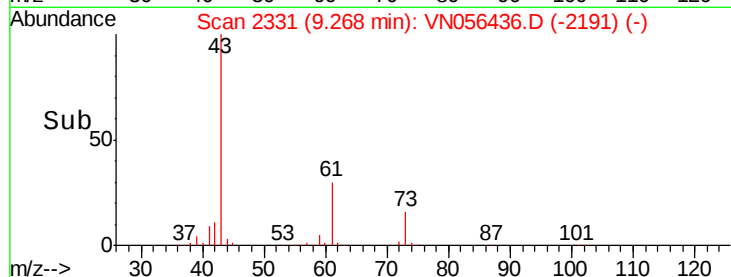
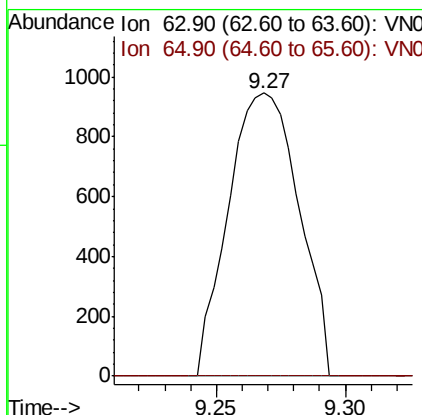
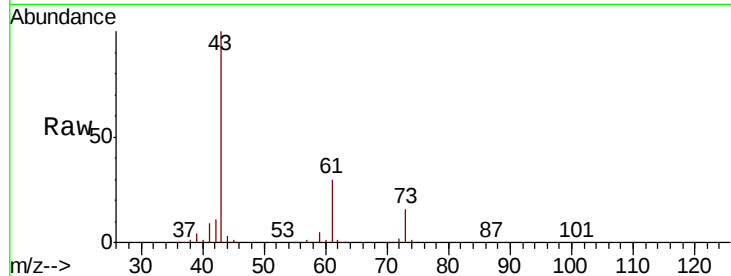




#45
 1,2-Dichloropropane
 Concen: 0.380 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN056436.D
 Acq: 21 Jun 2019 19:10

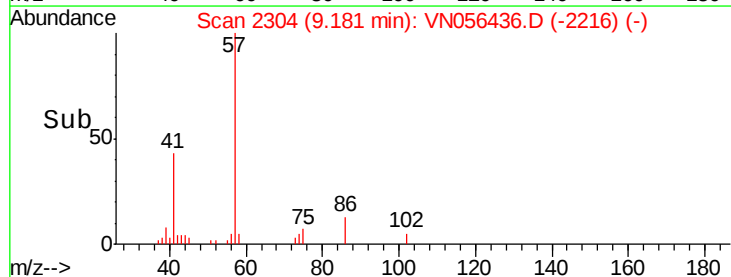
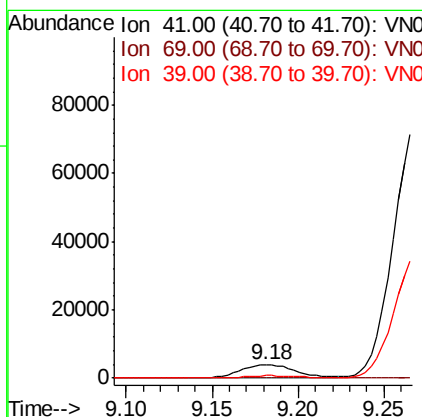
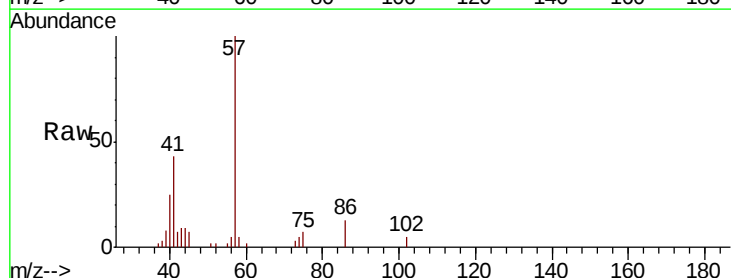
Instrument :
 MSVOA_N
 ClientSampled :
 SAMPLE-4

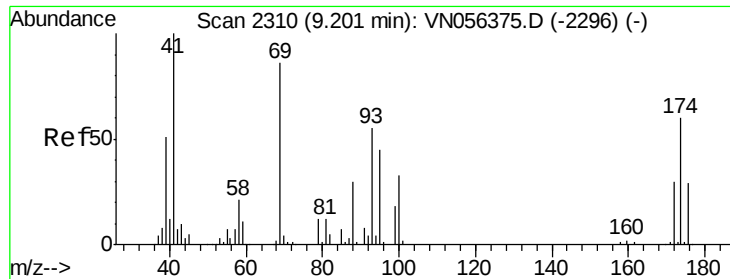
Tot Ion: 63 Resp: 1807
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 2.023 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN056436.D
 Acq: 21 Jun 2019 19:10

Tgt Ion: 41 Resp: 8880
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.6 109.0#
 39 0.0 42.6 63.8#





#49

1,4-Dioxane

Concen: 1.141 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

SAMPLE-4

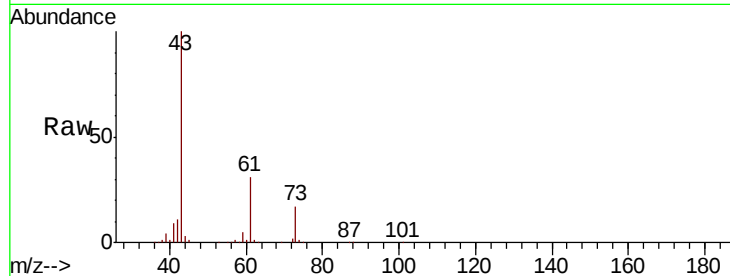
Tot Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

43 1484027.9 22.0 33.0#

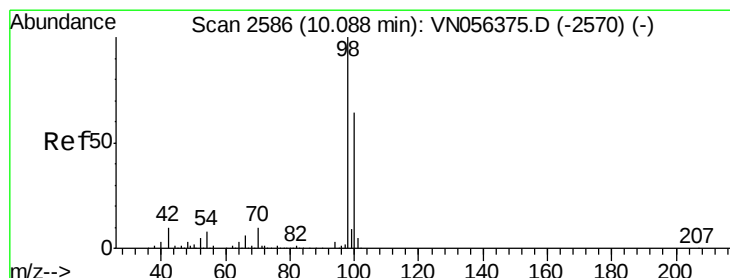
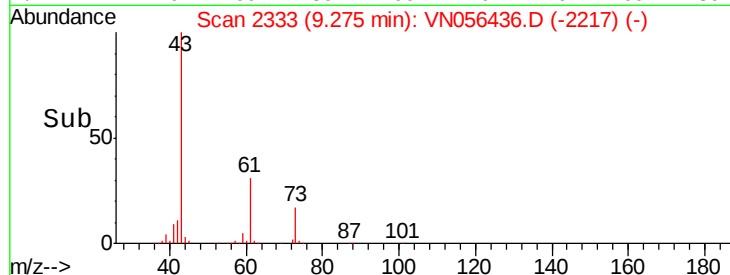
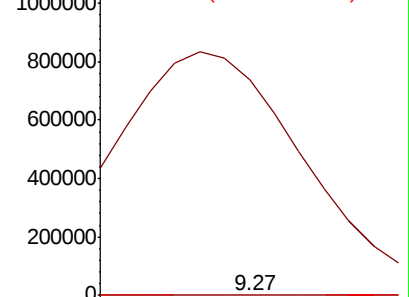
58 6151.0 51.8 77.8#



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: 51.231 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056436.D

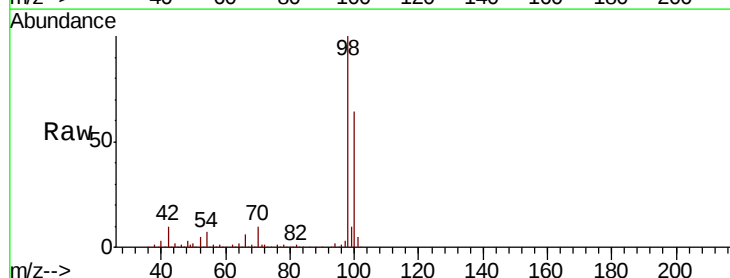
Acq: 21 Jun 2019 19:10

Tgt Ion: 98 Resp: 816843

Ion Ratio Lower Upper

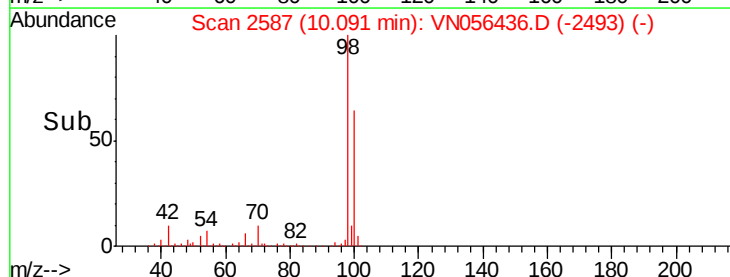
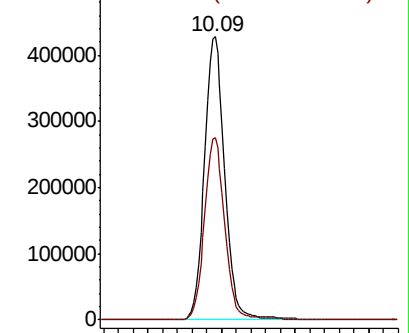
98 100

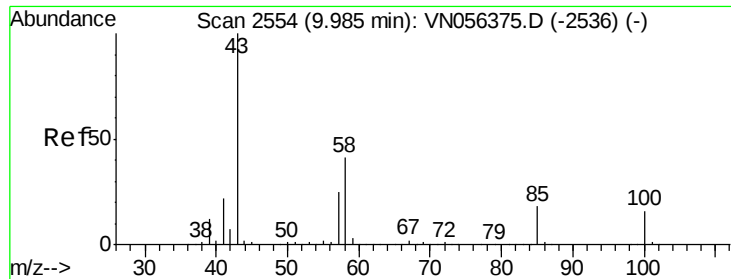
100 64.7 52.2 78.2



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: 0.763 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

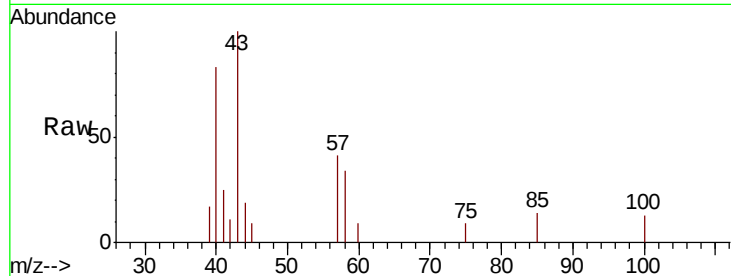
SAMPLE-4

Tot Ion: 43 Resp: 4316

Ion Ratio Lower Upper

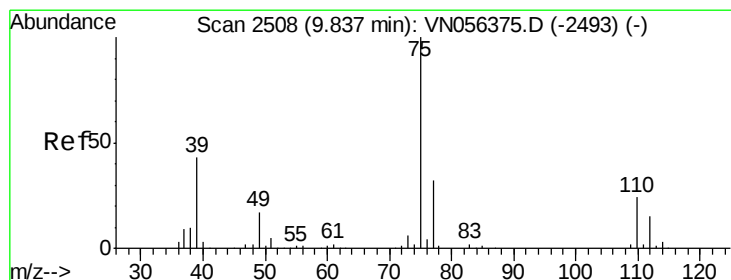
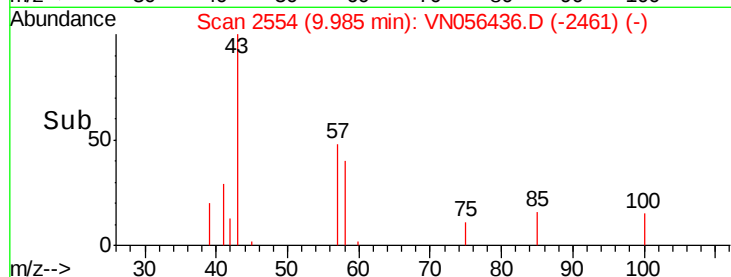
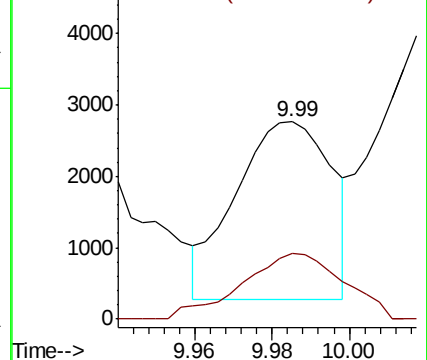
43 100

58 38.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 9.275 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

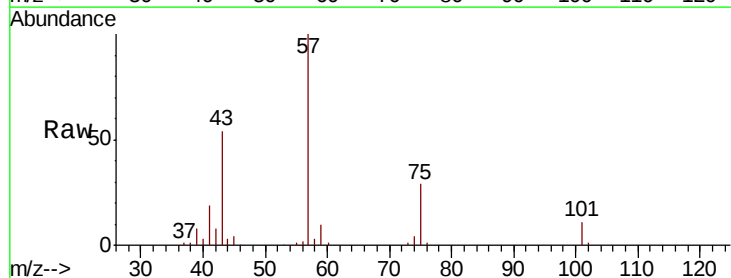
Tgt Ion: 75 Resp: 58941

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

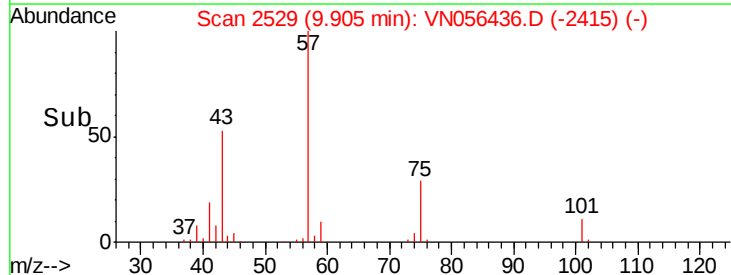
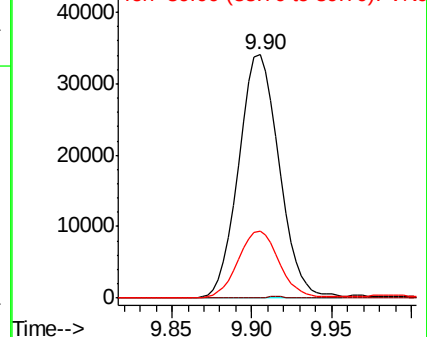
39 27.4 34.2 51.4#

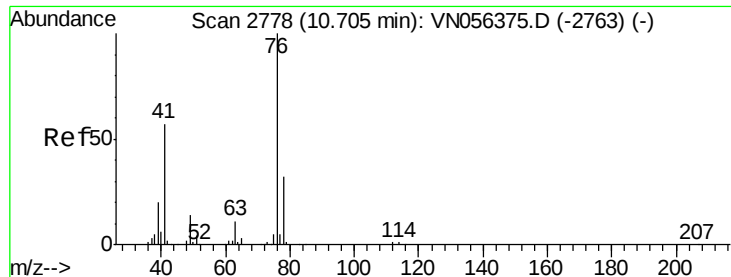


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

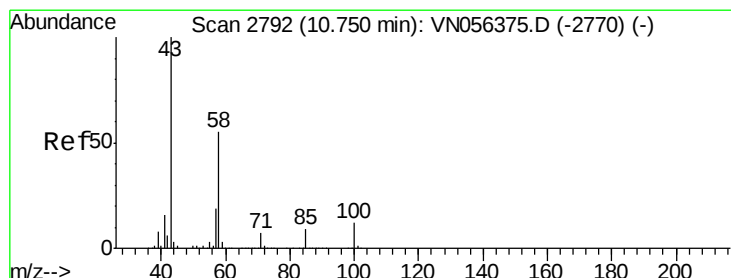
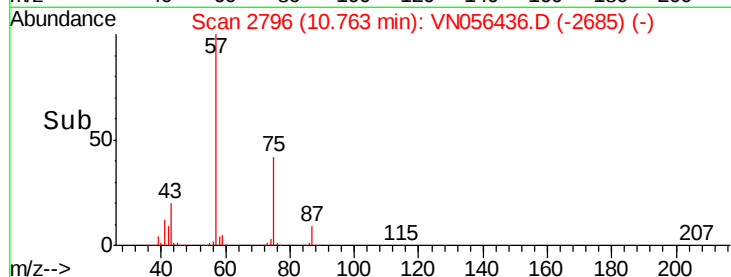
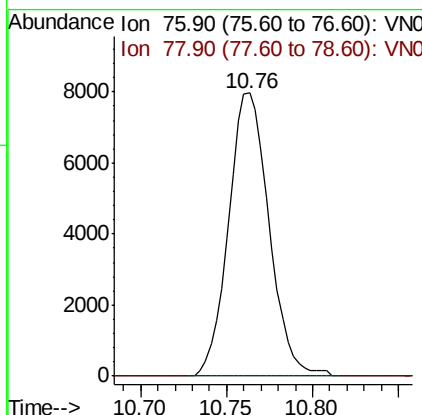
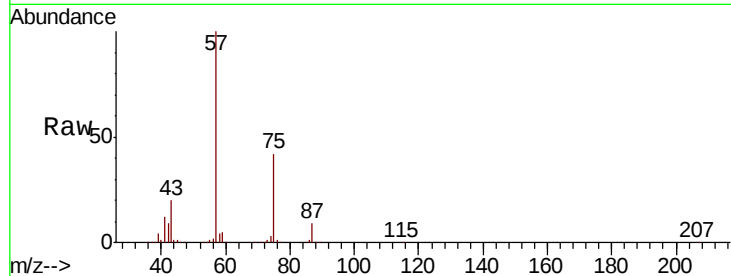




#57
 1,3-Dichloropropane
 Concen: 1.775 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056436.D
 Acq: 21 Jun 2019 19:10

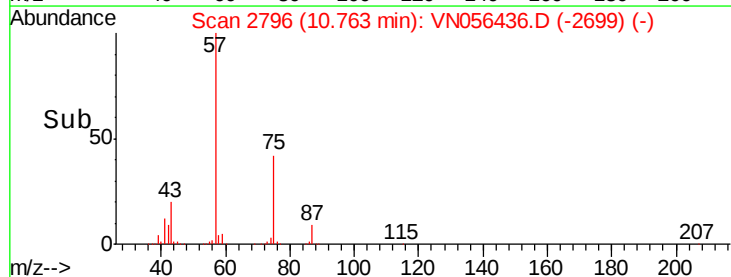
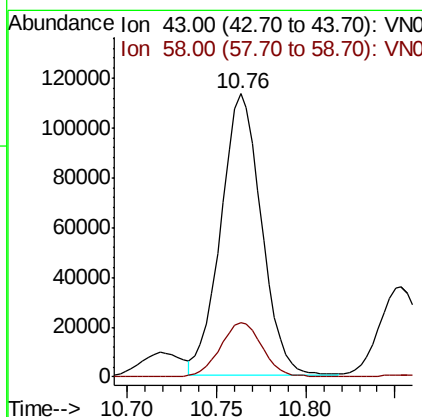
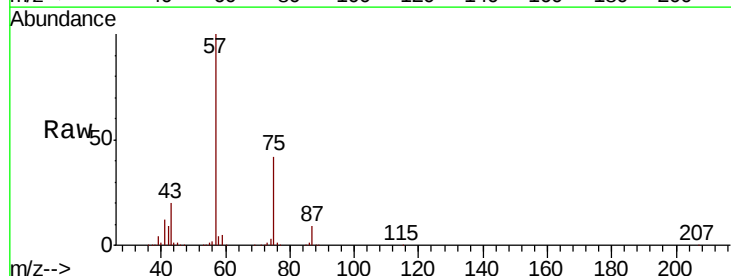
Instrument :
 MSVOA_N
 ClientSampled :
 SAMPLE-4

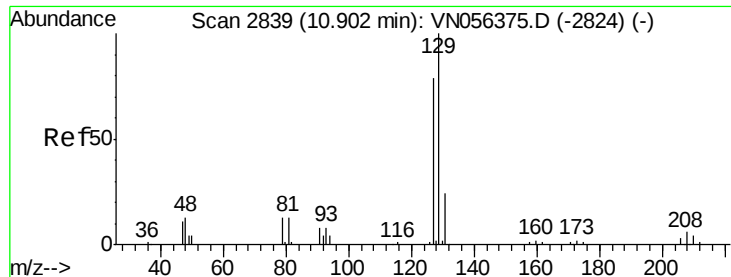
Tot Ion: 76 Resp: 13029
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 43.052 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056436.D
 Acq: 21 Jun 2019 19:10

Tgt Ion: 43 Resp: 178923
 Ion Ratio Lower Upper
 43 100
 58 19.9 27.8 83.4#





#60

Dibromochloromethane

Concen: 2.555 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

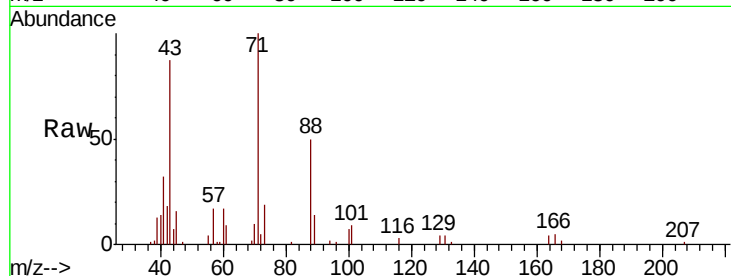
SAMPLE-4

Tot Ion:129 Resp: 817

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

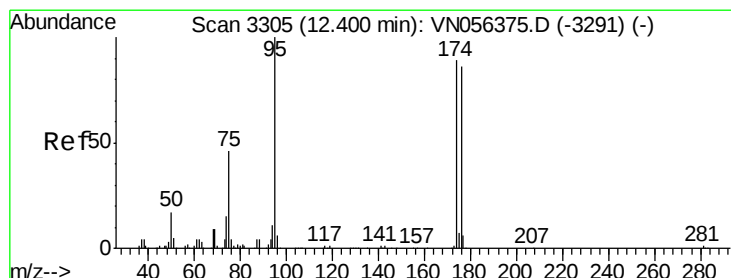
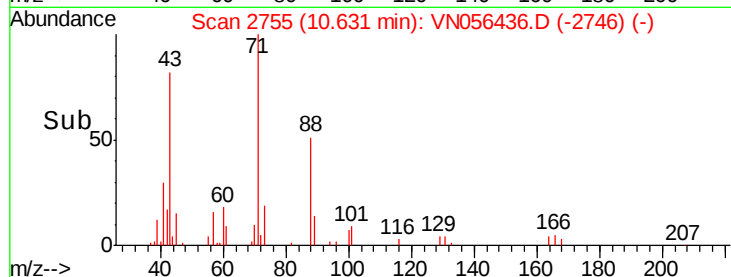
600

400

200

0

Time--> 10.60 10.62 10.64 10.66



#62

4-Bromofluorobenzene

Concen: 52.442 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

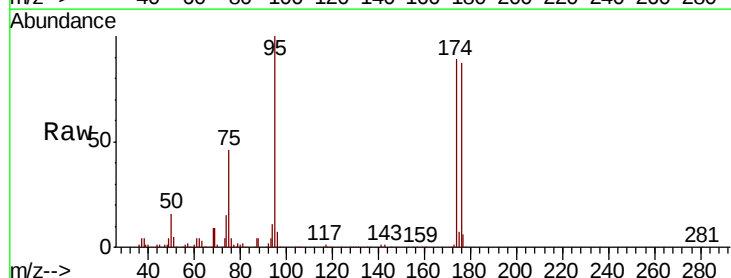
Tgt Ion: 95 Resp: 278741

Ion Ratio Lower Upper

95 100

174 91.6 0.0 179.4

176 88.3 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

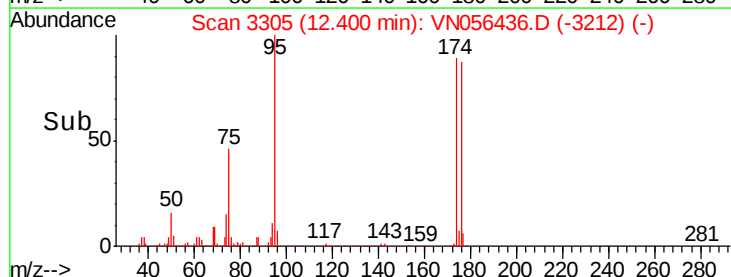
150000

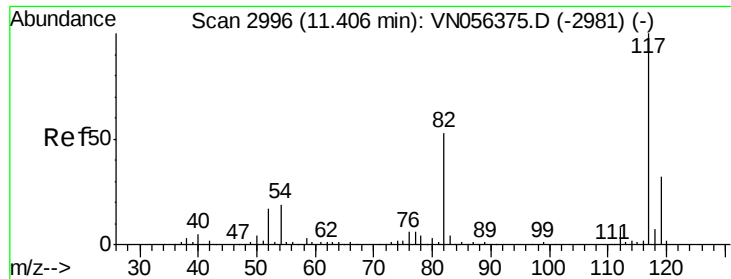
100000

50000

0

Time--> 12.30 12.40 12.50

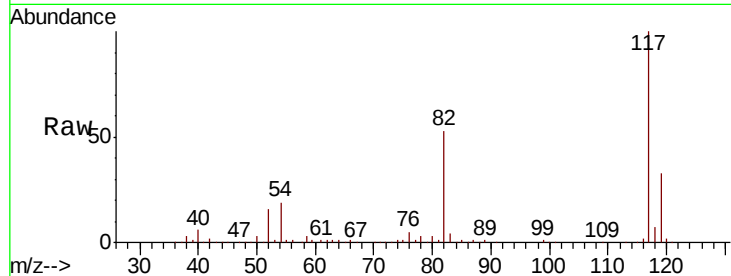




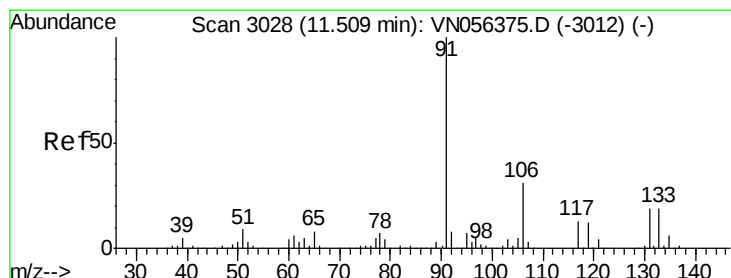
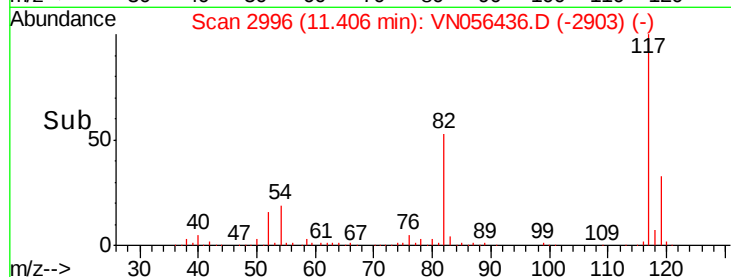
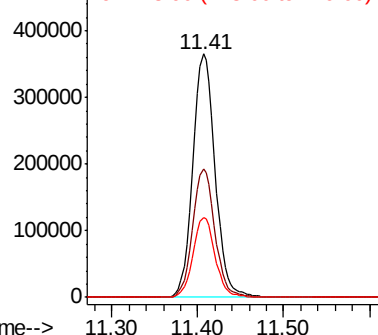
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Instrument :
MSVOA_N
ClientSampleId :
SAMPLE-4

Tot Ion:117 Resp: 659379
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 32.9 25.3 37.9

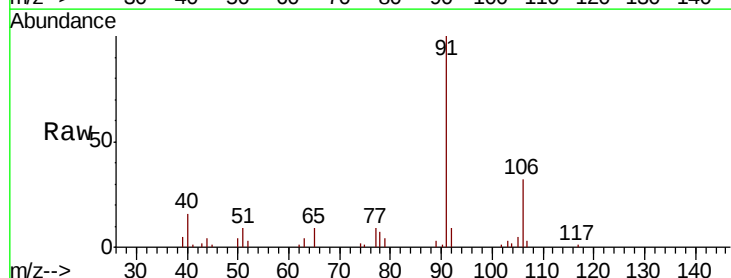


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

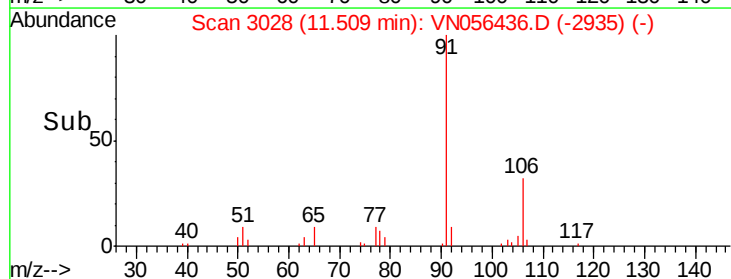
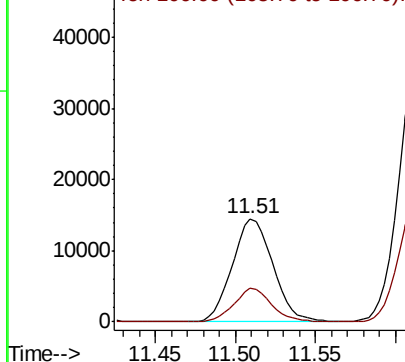


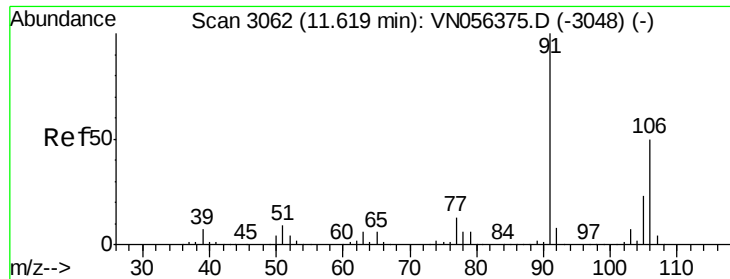
#67
Ethyl Benzene
Concen: 1.082 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Tgt Ion: 91 Resp: 25163
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

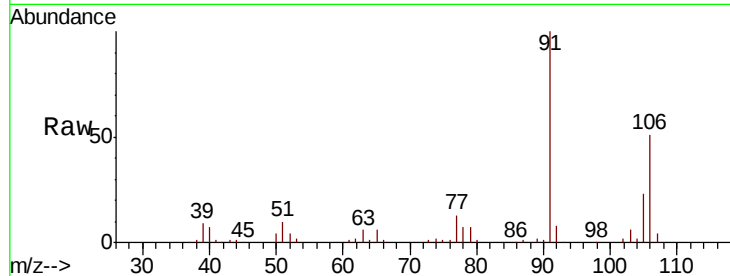




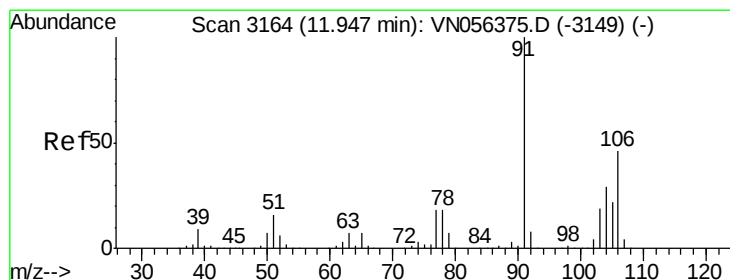
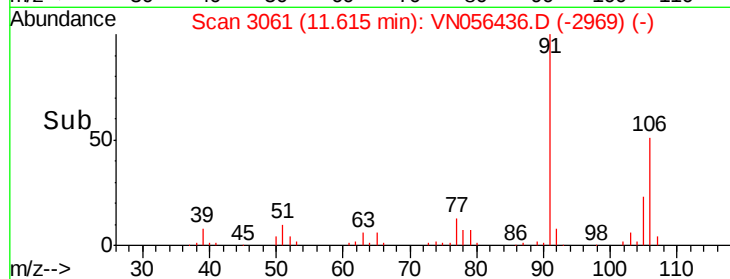
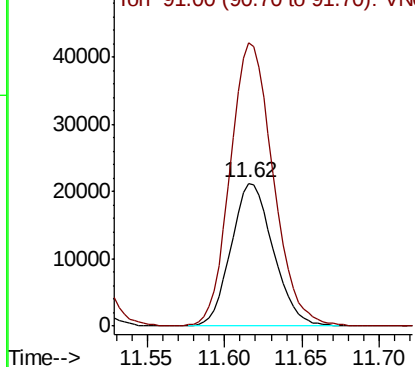
#68
m/p-Xylenes
Concen: 4.722 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Instrument :
MSVOA_N
ClientSampled :
SAMPLE-4

Tot Ion:106 Resp: 40258
Ion Ratio Lower Upper
106 100
91 201.6 160.1 240.1

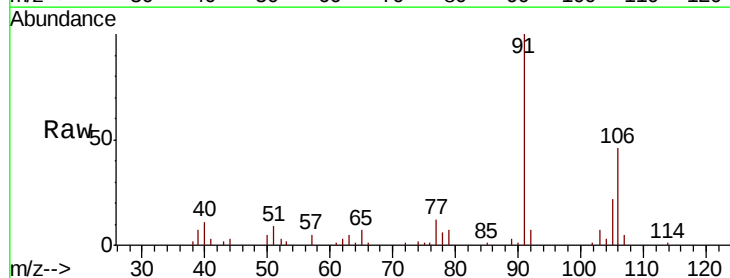


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

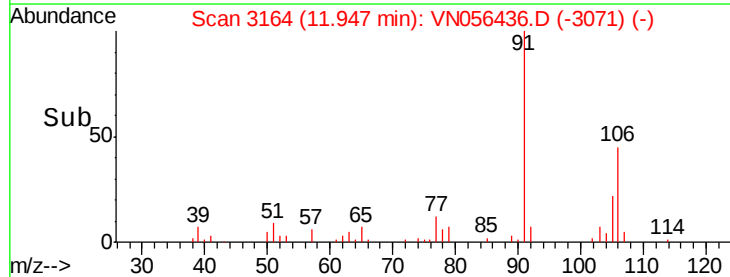
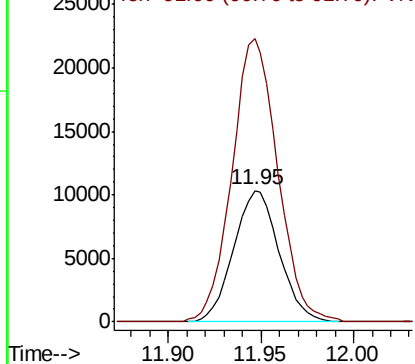


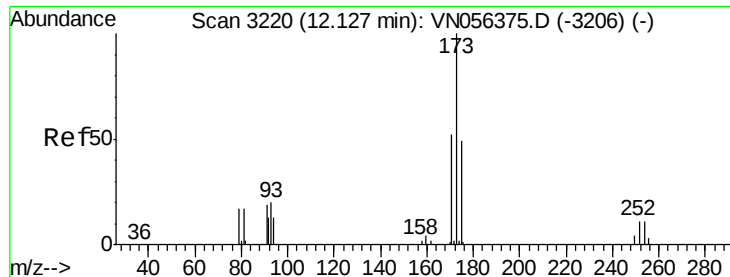
#69
o-Xylene
Concen: 2.087 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056436.D
Acq: 21 Jun 2019 19:10

Tgt Ion:106 Resp: 17601
Ion Ratio Lower Upper
106 100
91 216.9 107.1 321.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 3.692 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

SAMPLE-4

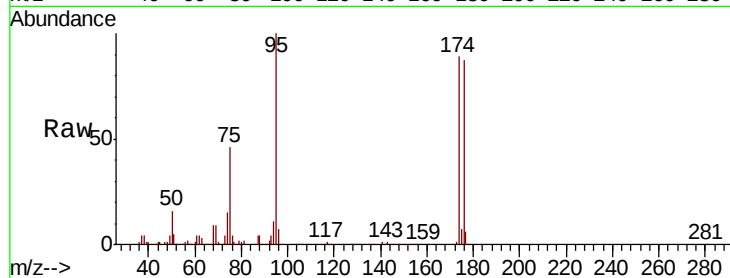
Tot Ion:173 Resp: 2116

Ion Ratio Lower Upper

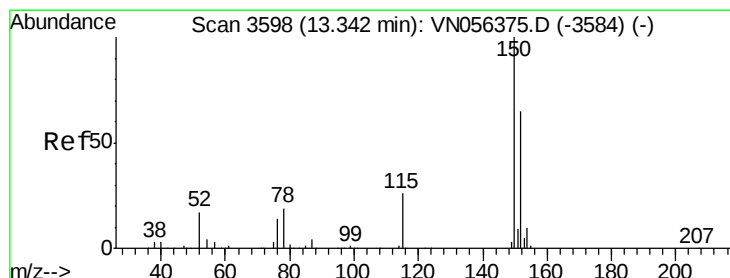
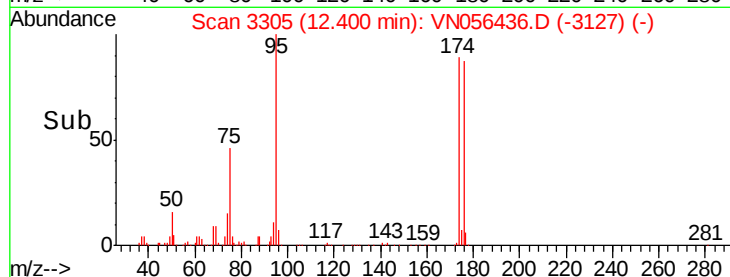
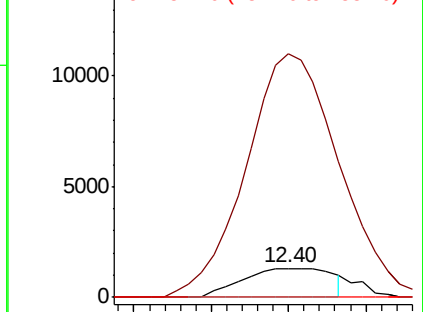
173 100

175 761.6 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: VN056436.D

Acq: 21 Jun 2019 19:10

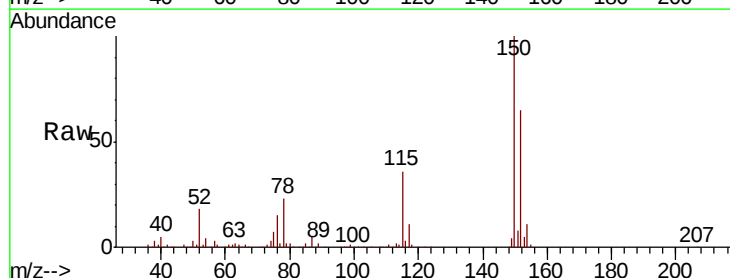
Tgt Ion:152 Resp: 218256

Ion Ratio Lower Upper

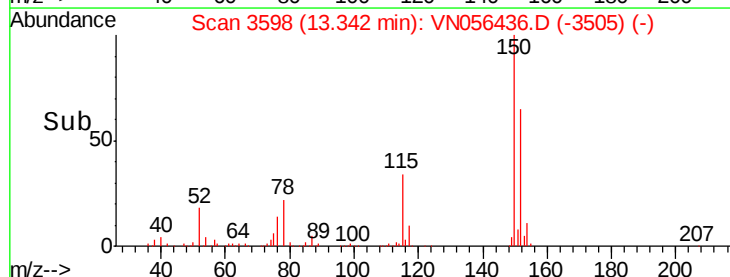
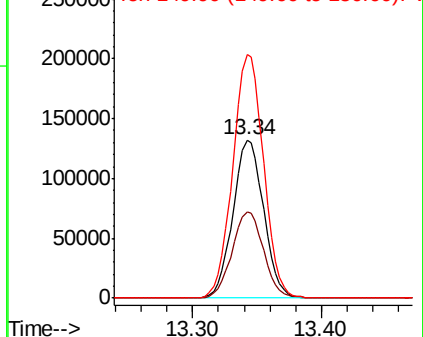
152 100

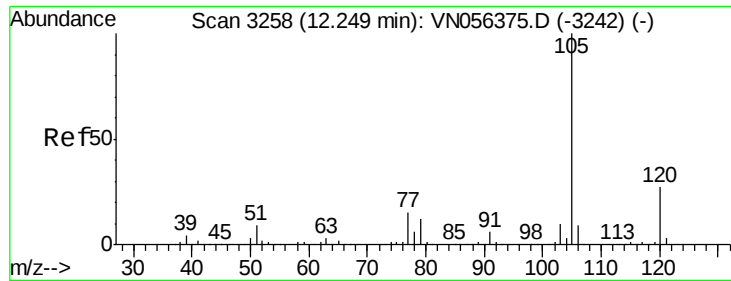
115 56.3 28.1 84.4

150 154.5 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: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampled :

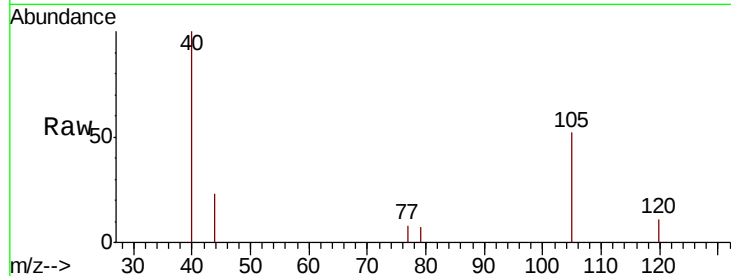
SAMPLE-4

Tot Ion:105 Resp: 1563

Ion Ratio Lower Upper

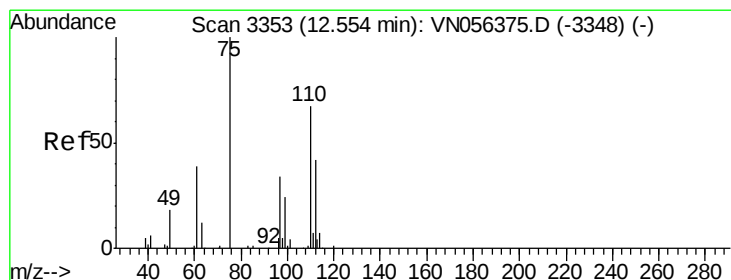
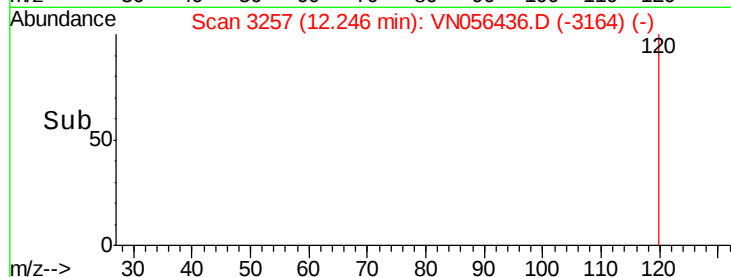
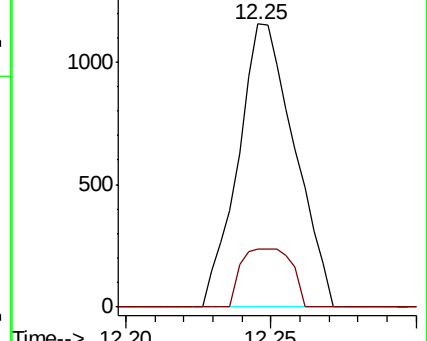
105 100

120 18.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 28.630 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056436.D

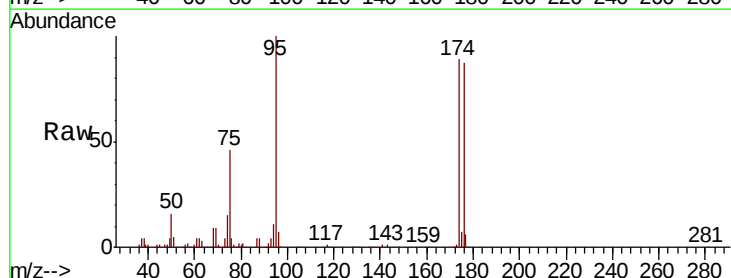
Acq: 21 Jun 2019 19:10

Tgt Ion: 75 Resp: 129568

Ion Ratio Lower Upper

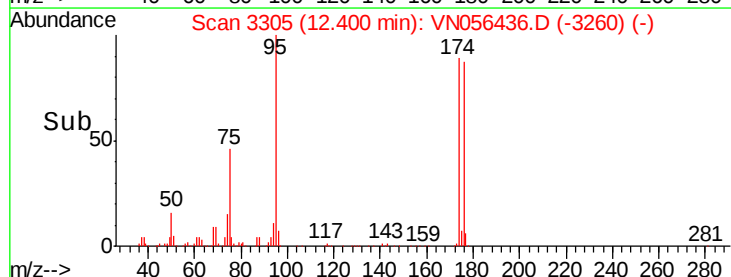
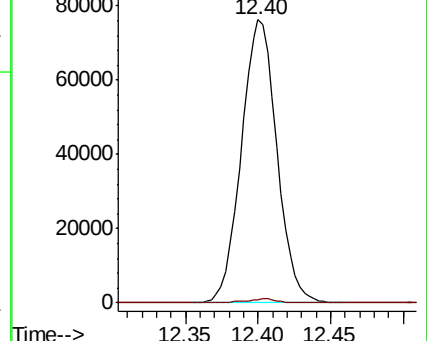
75 100

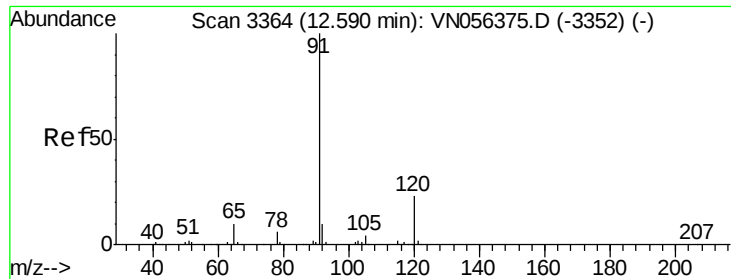
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 0.316 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

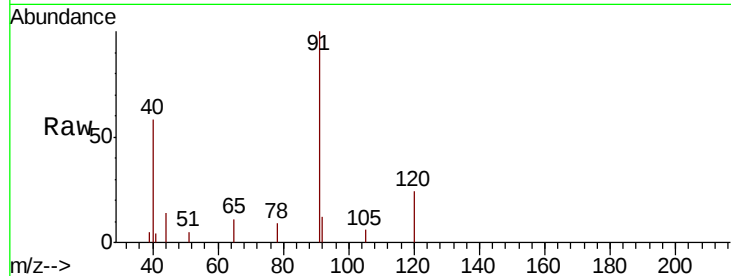
SAMPLE-4

Tot Ion: 91 Resp: 6319

Ion Ratio Lower Upper

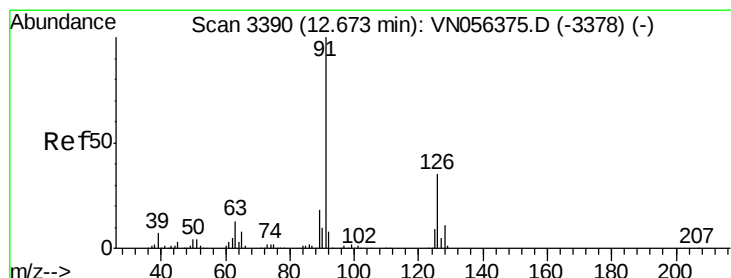
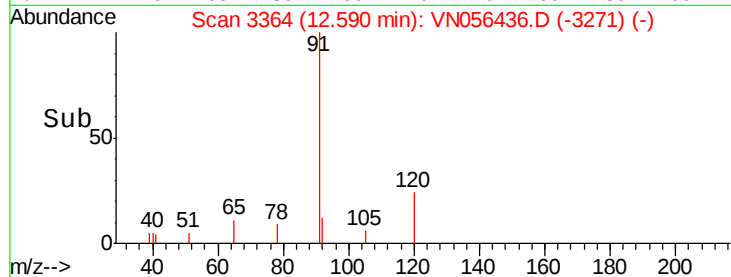
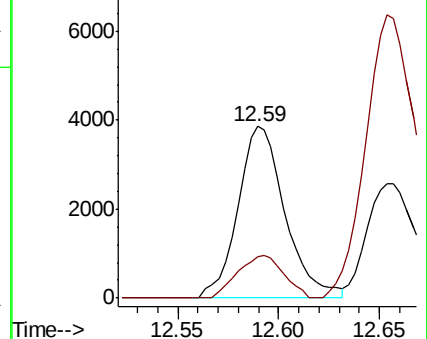
91 100

120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN056436.D

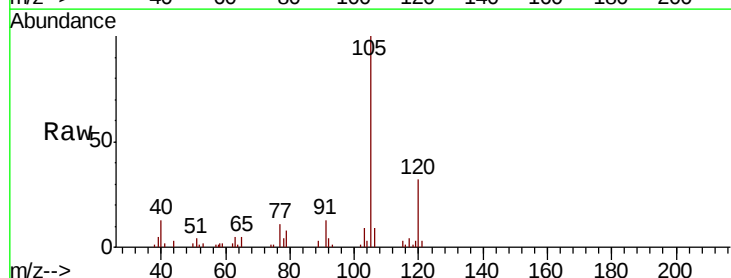
Acq: 21 Jun 2019 19:10

Tgt Ion: 91 Resp: 3797

Ion Ratio Lower Upper

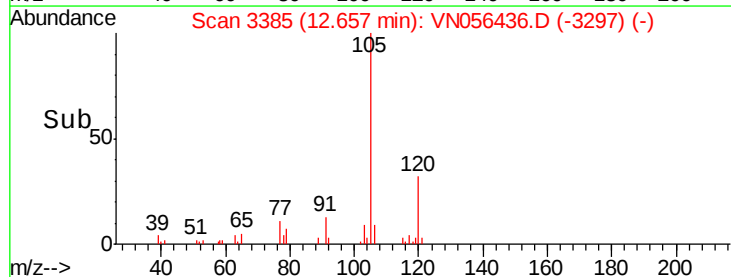
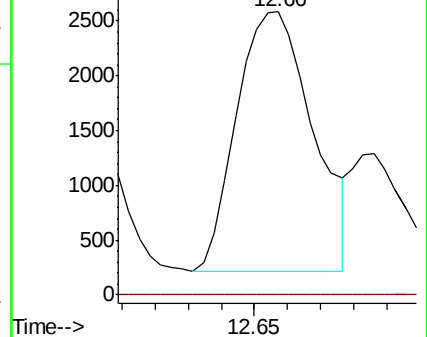
91 100

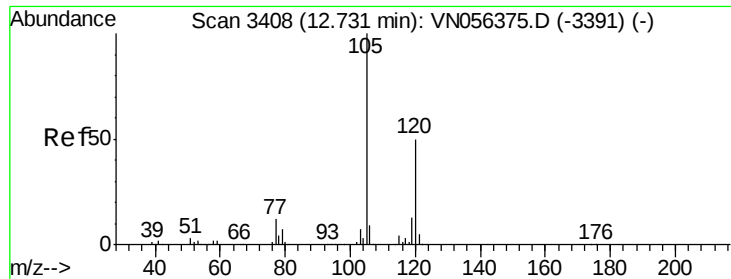
126 0.0 17.6 52.8#



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: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

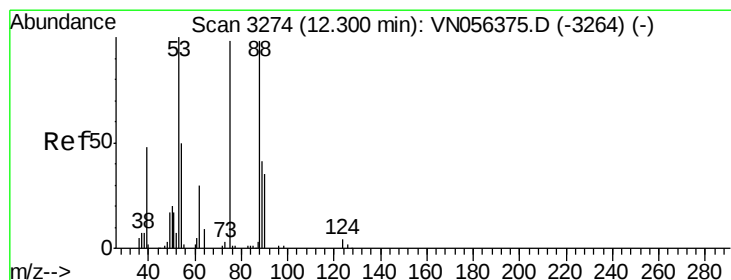
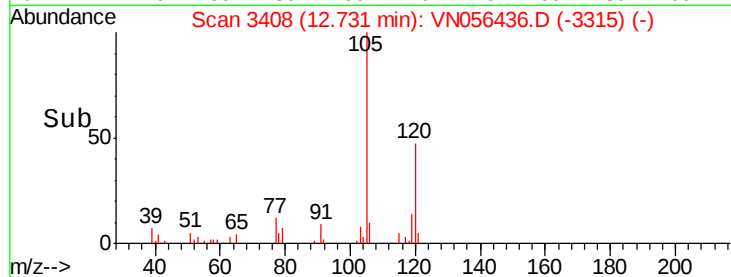
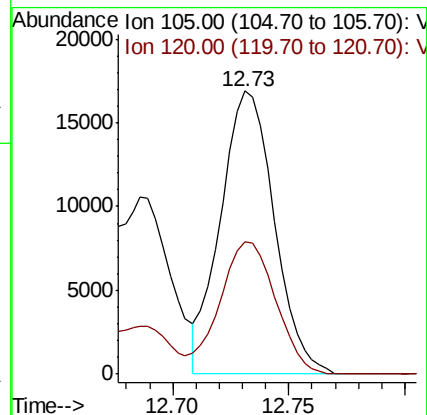
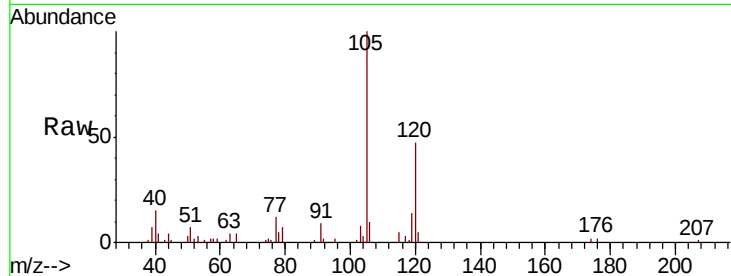
SAMPLE-4

Tot Ion:105 Resp: 27202

Ion Ratio Lower Upper

105 100

120 48.8 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 101.756 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

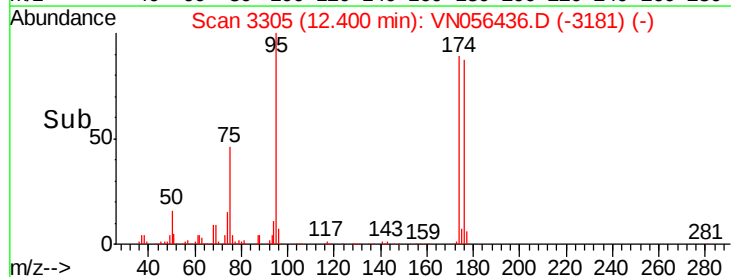
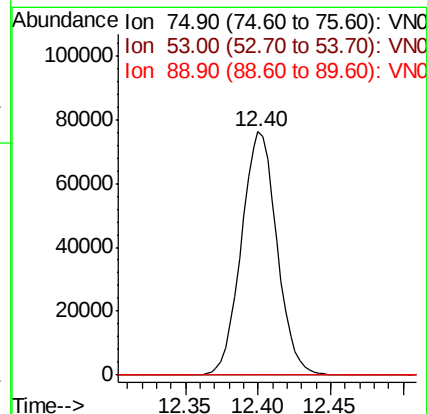
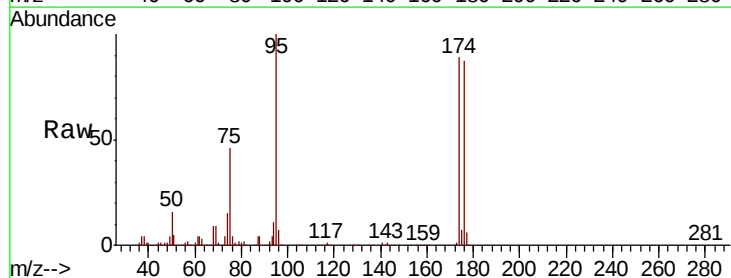
Tgt Ion: 75 Resp: 129568

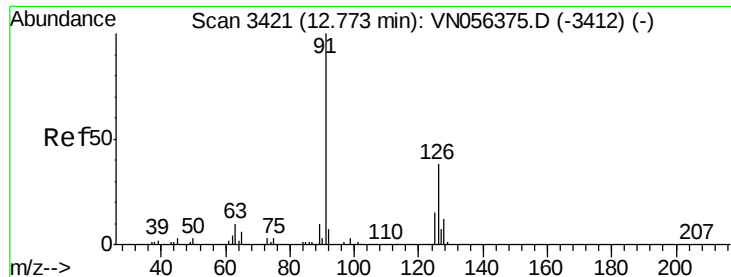
Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

89 0.0 35.0 52.6#





#82

4-Chlorotoluene

Concen: 0.219 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

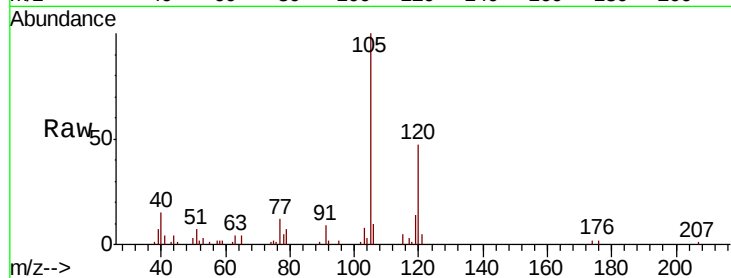
SAMPLE-4

Tot Ion: 91 Resp: 2590

Ion Ratio Lower Upper

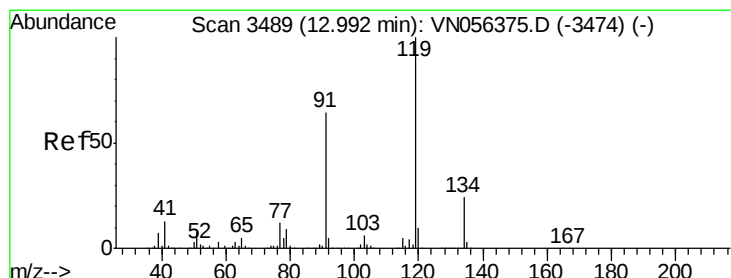
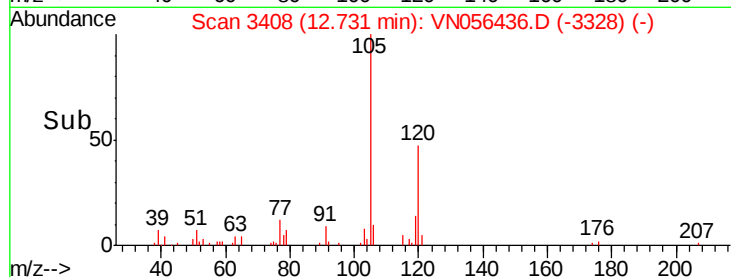
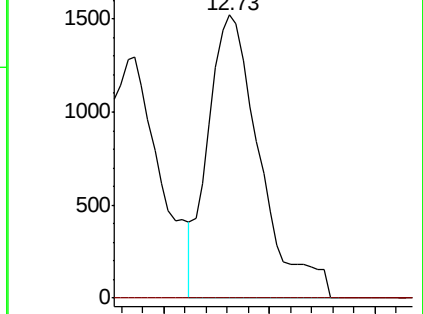
91 100

126 0.0 17.3 52.0#



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN056375.D (-3412) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

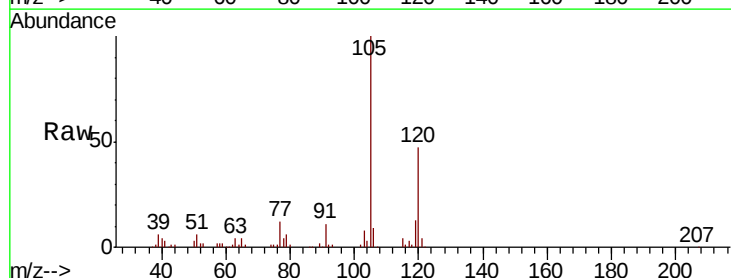
Tgt Ion: 119 Resp: 13945

Ion Ratio Lower Upper

119 100

91 81.9 31.6 94.7

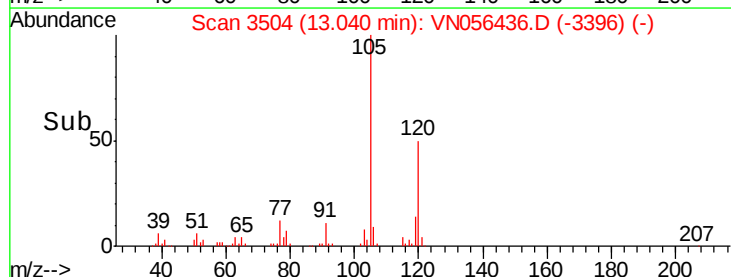
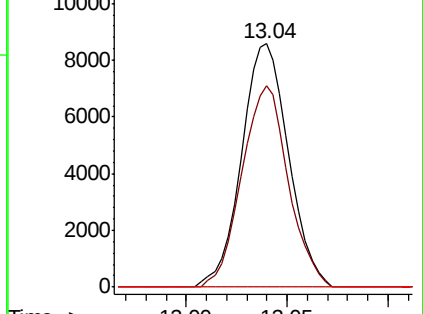
134 0.0 13.2 39.5#

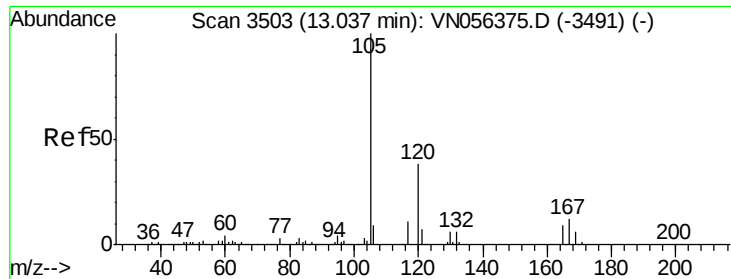


Abundance Ion 119.00 (118.70 to 119.70): VN056375.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN056375.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN056375.D (-3474) (-)

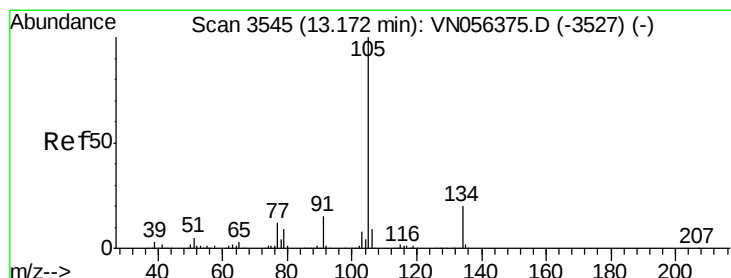
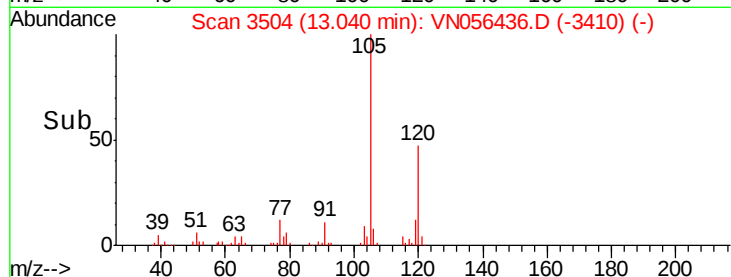
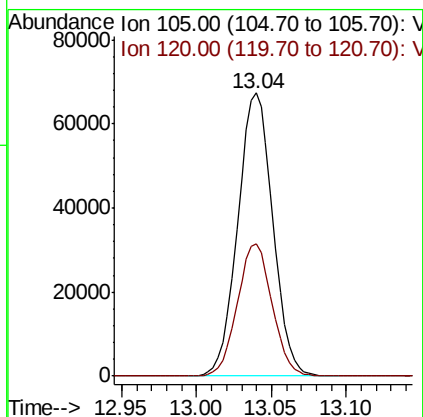
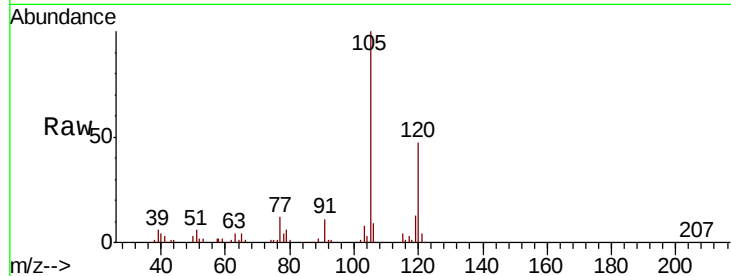




#84
 1,2,4-Trimethylbenzene
 Concen: 7.457 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056436.D
 Acq: 21 Jun 2019 19:10

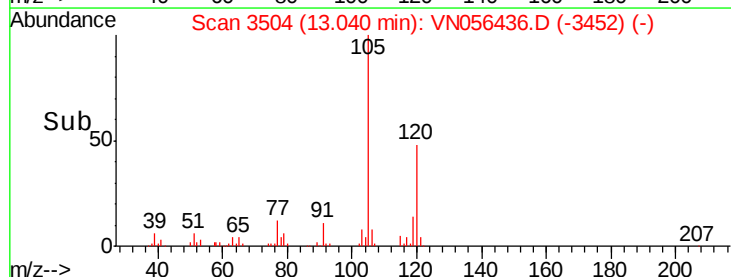
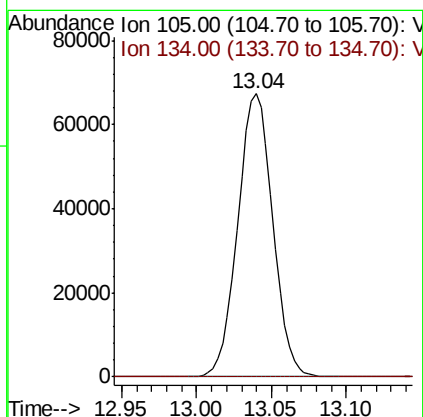
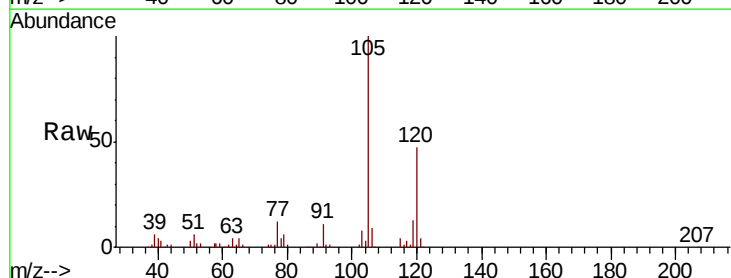
Instrument :
 MSVOA_N
 ClientSampled :
 SAMPLE-4

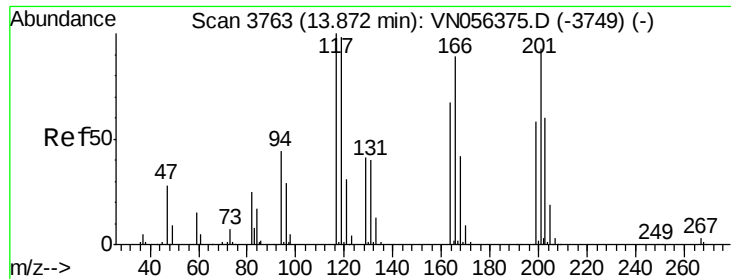
Tot Ion:105 Resp: 109563
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 6.237 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN056436.D
 Acq: 21 Jun 2019 19:10

Tgt Ion:105 Resp: 109563
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#





#90

Hexachloroethane

Concen: 0.286 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

Instrument :

MSVOA_N

ClientSampleId :

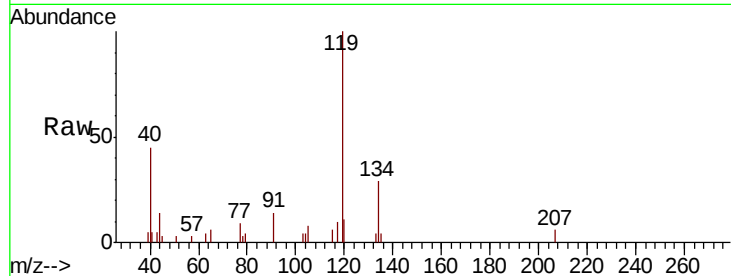
SAMPLE-4

Tot Ion:117 Resp: 672

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

13.89

600

500

400

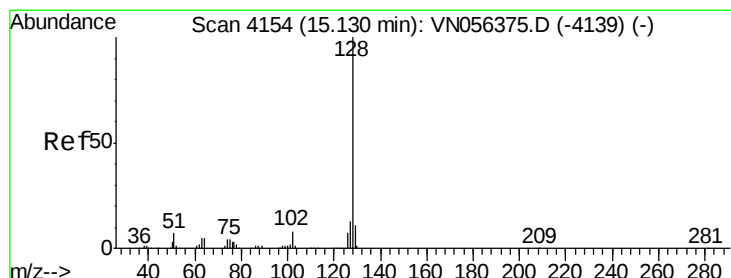
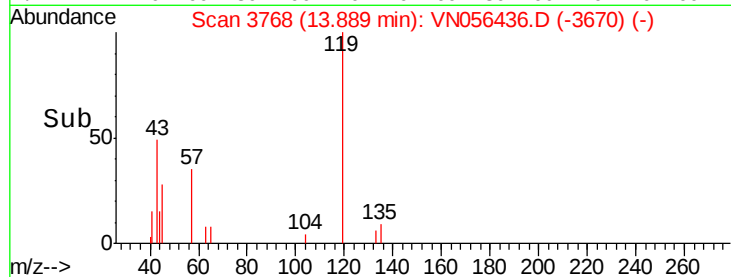
300

200

100

0

Time-->



#95

Naphthalene

Concen: 6.399 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056436.D

Acq: 21 Jun 2019 19:10

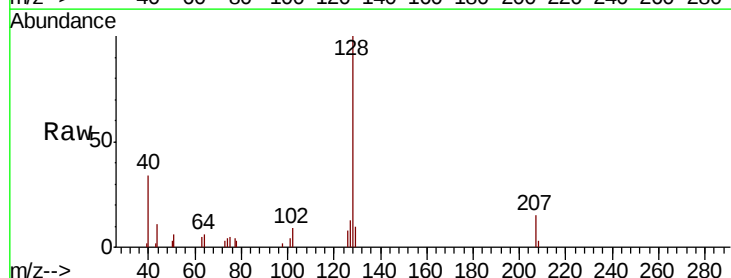
Tgt Ion:128 Resp: 12879

Ion Ratio Lower Upper

128 100

127 14.8 10.2 15.2

129 9.9 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

8000

6000

4000

2000

0

Time-->

