

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056408.D
 Acq On : 20 Jun 2019 17:23
 Operator : JC/SP
 Sample : K3465-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

Quant Time: Jun 21 04:28:56 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	7.66	168	372424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	615114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	611965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	207636	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	178185	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	10.09	98	759155	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	271630	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.18	62	1720	0.415	ug/l #	88
8) Diethyl Ether	3.41	74	8587	3.782	ug/l	89
11) Tert butyl alcohol	4.79	59	2800243	4027.995	ug/l	99
14) Allyl chloride	4.27	41	23708	4.329	ug/l #	43
15) Acrylonitrile	4.79	53	31998	16.637	ug/l #	22
16) Acetone	3.82	43	376911	182.259	ug/l	99
17) Carbon Disulfide	4.05	76	2841	0.380	ug/l #	75
18) Methyl Acetate	4.33	43	6325	0.706	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	34798	3.197	ug/l	99
20) Methylene Chloride	4.54	84	91	Below Cal	#	62
25) 2-Butanone	6.84	43	289707	105.848	ug/l	94
26) 2,2-Dichloropropane	6.83	77	163872	35.687	ug/l #	52
27) cis-1,2-Dichloroethene	6.83	96	1461	0.352	ug/l #	1
28) Bromochloromethane	7.21	49	722	0.221	ug/l #	11
29) Tetrahydrofuran	7.21	42	736463	440.313	ug/l	100
31) Cyclohexane	7.66	56	5788	0.908	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	24299	4.488	ug/l #	45
37) Ethyl Acetate	6.84	43	289707	54.449	ug/l #	62
38) Carbon Tetrachloride	7.66	117	31525	6.659	ug/l #	14
40) Benzene	8.04	78	50983	3.061	ug/l	97
41) Methacrylonitrile	7.21	41	395166	168.193	ug/l #	28
42) 1,2-Dichloroethane	8.13	62	1891	0.344	ug/l	82
43) Isopropyl Acetate	8.14	43	11674	1.423	ug/l #	60
49) 1,4-Dioxane	9.20	88	6139	71.953	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	48722	9.201	ug/l	95
52) Toluene	10.16	92	23484	2.306	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	217	2.927	ug/l #	43
55) 1,1,2-Trichloroethane	10.46	97	1442	0.352	ug/l #	33
59) 2-Hexanone	10.61	43	22233	5.713	ug/l	69
65) Chlorobenzene	11.43	112	10846	0.882	ug/l	98
67) Ethyl Benzene	11.51	91	32581	1.509	ug/l	100
68) m/p-Xylenes	11.62	106	43099	5.447	ug/l	99
69) o-Xylene	11.95	106	32529	4.155	ug/l	99
70) Styrene	11.96	104	4315	0.345	ug/l #	1

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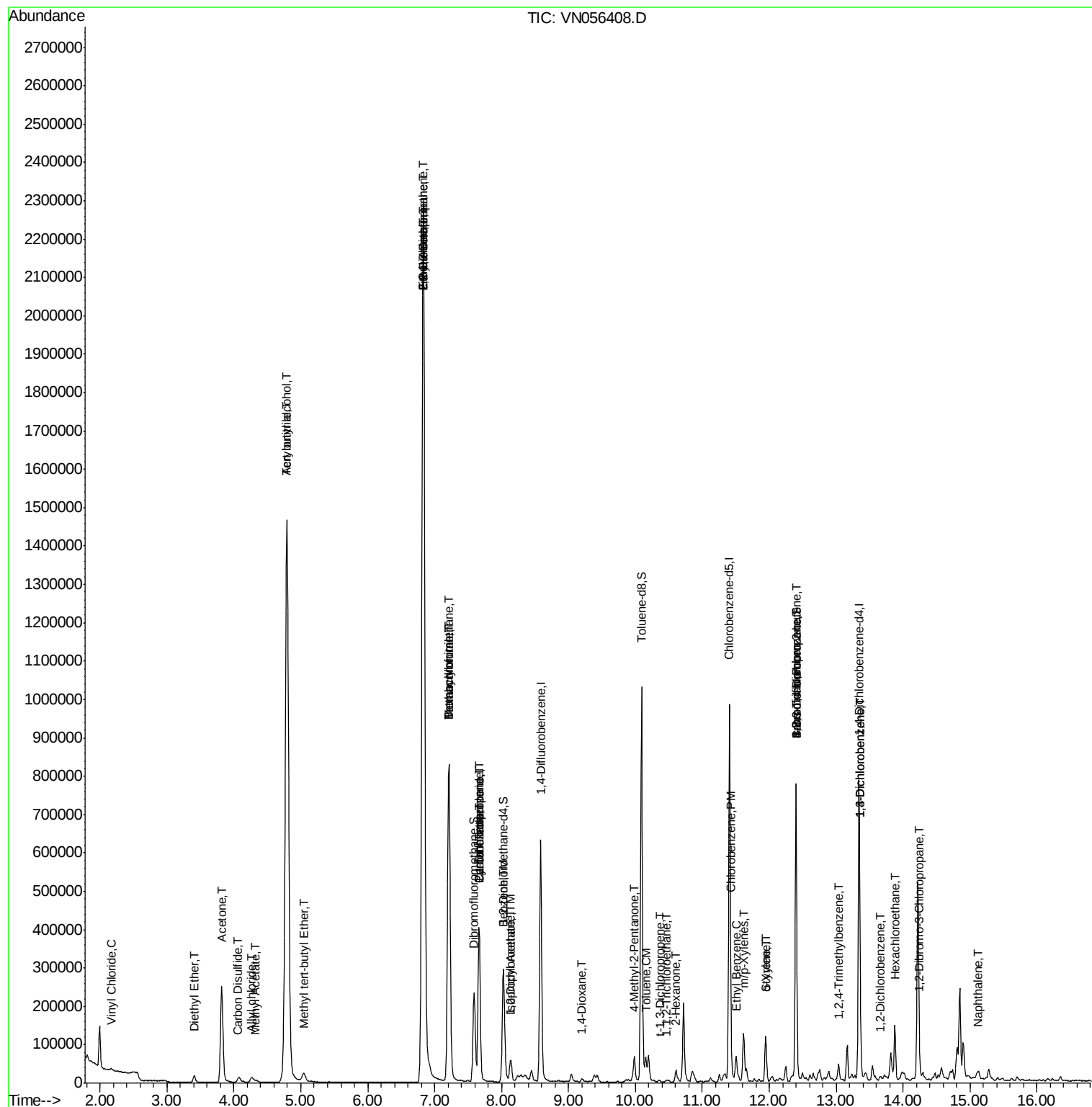
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Bromoform	12.40	173	1752	3.632	ug/l #	1
73) Isopropylbenzene	12.25	105	19653	Below Cal		97
75) 1,1,2,2-Tetrachloroethane	12.51	83	268	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	125728	27.250	ug/l #	100
79) 2-Chlorotoluene	12.66	91	4102	Below Cal	#	65
80) 1,3,5-Trimethylbenzene	12.73	105	9483	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	125728	96.850	ug/l #	8
83) tert-Butylbenzene	13.23	119	3284	Below Cal		81
84) 1,2,4-Trimethylbenzene	13.04	105	22714	1.516	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	24081	3.194	ug/l	91
88) 1,4-Dichlorobenzene	13.36	146	24081	3.298	ug/l	90
90) Hexachloroethane	13.88	117	536	0.224	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	2043	0.273	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.25	75	236	0.287	ug/l #	1
95) Naphthalene	15.13	128	17957	6.823	ug/l	99

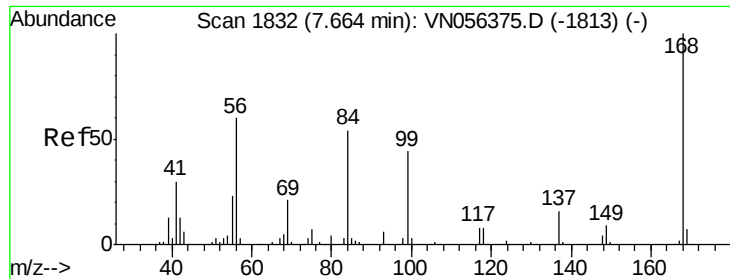
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

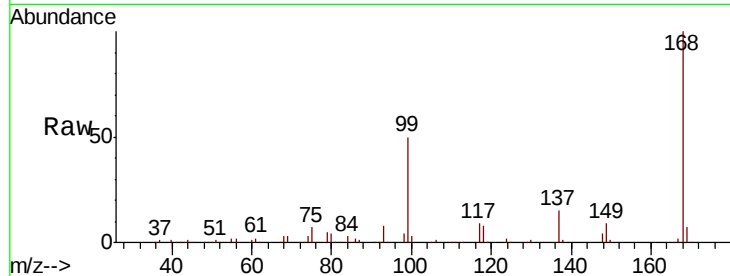
390619766-VOA

Tot Ion:168 Resp: 372424

Ion Ratio Lower Upper

168 100

99 50.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

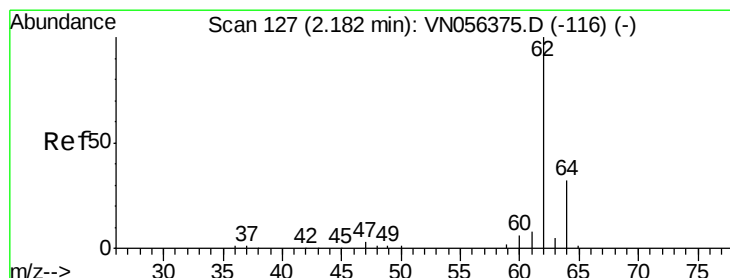
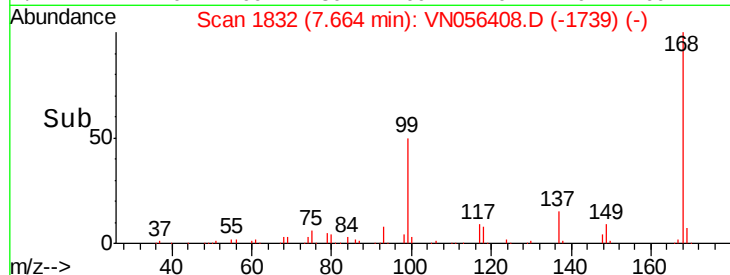
100000

50000

0

Time-->

7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 0.415 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056408.D

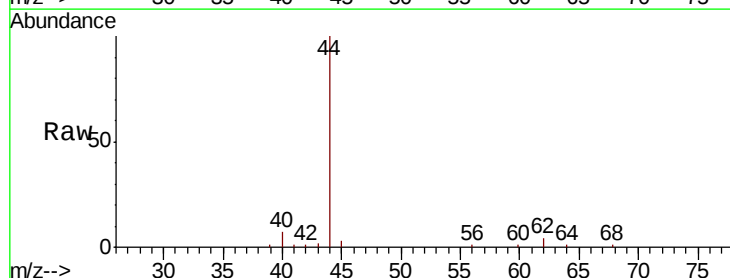
Acq: 20 Jun 2019 17:23

Tgt Ion: 62 Resp: 1720

Ion Ratio Lower Upper

62 100

64 25.7 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.18

1200

1000

800

600

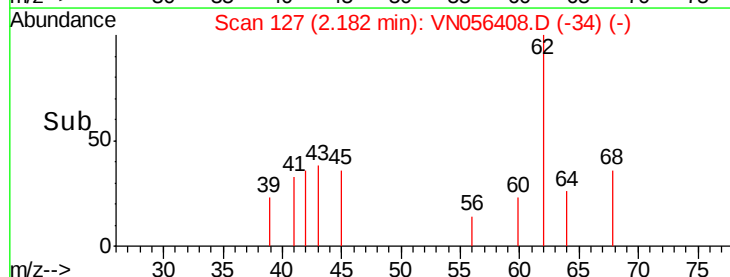
400

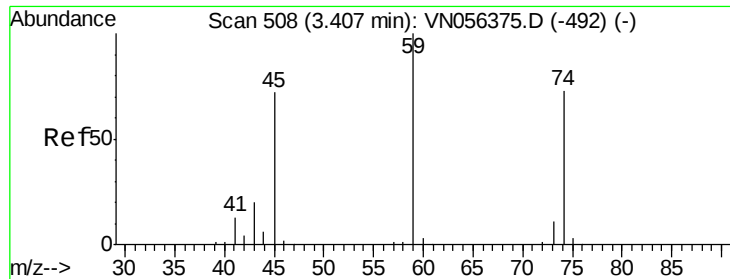
200

0

Time-->

2.15 2.20





#8

Diethyl Ether

Concen: 3.782 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

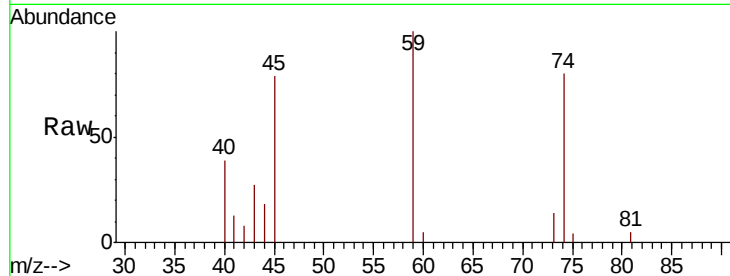
390619766-VOA

Tot Ion: 74 Resp: 8587

Ion Ratio Lower Upper

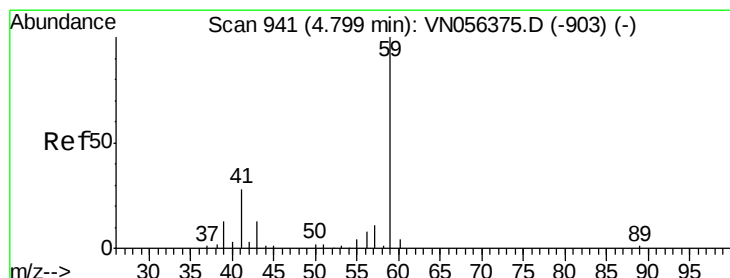
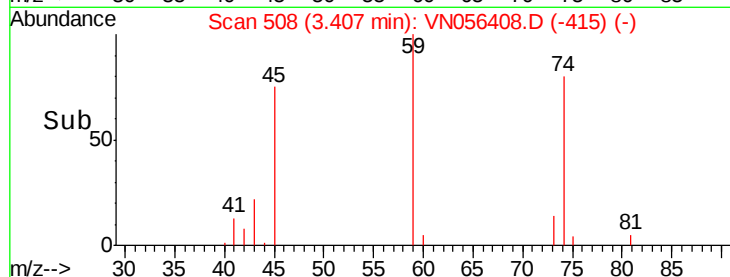
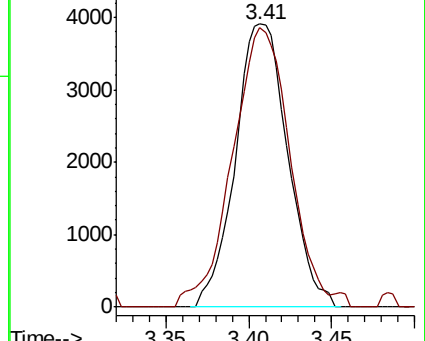
74 100

45 108.6 48.9 146.6



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#11

Tert butyl alcohol

Concen: 4027.995 ug/l

RT: 4.79 min Scan# 939

Delta R.T. -0.01 min

Lab File: VN056408.D

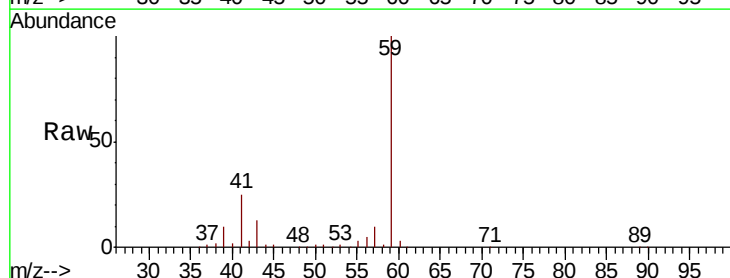
Acq: 20 Jun 2019 17:23

Tgt Ion: 59 Resp: 2800243

Ion Ratio Lower Upper

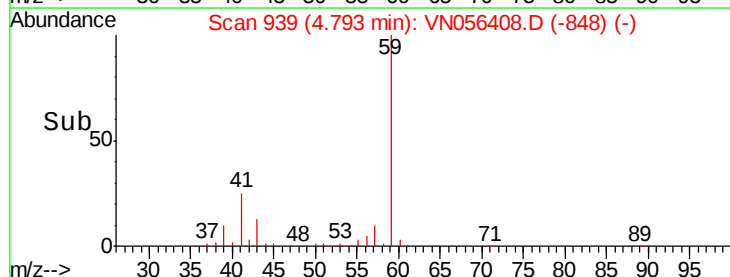
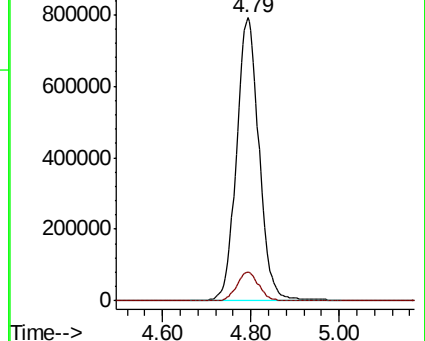
59 100

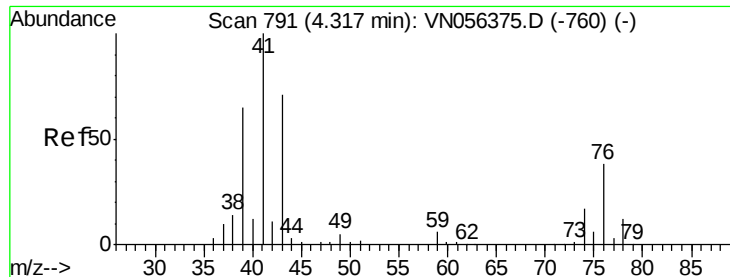
57 10.0 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#14

Allvl chloride

Concen: 4.329 ug/l

RT: 4.27 min Scan# 775

Delta R.T. -0.05 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

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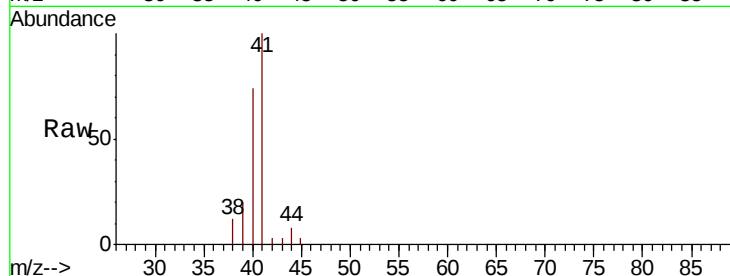
Tot Ion: 41 Resp: 23708

Ion Ratio Lower Upper

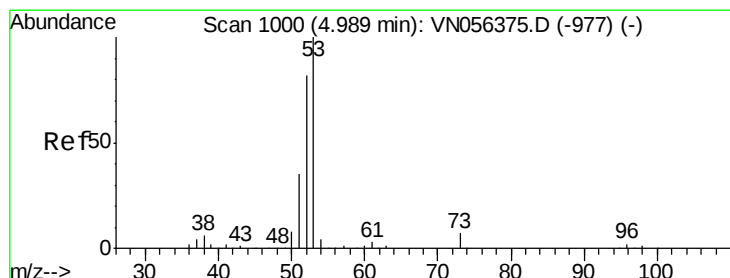
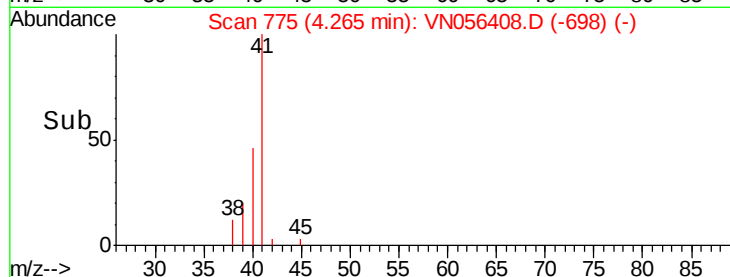
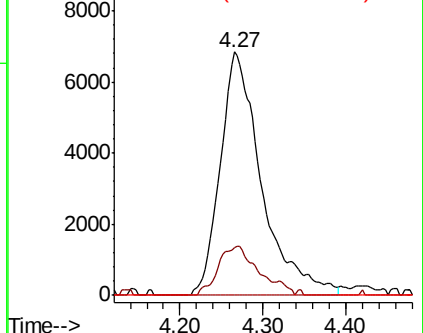
41 100

39 18.4 48.6 73.0#

76 0.0 26.6 40.0#



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



#15

Acrylonitrile

Concen: 16.637 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.20 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

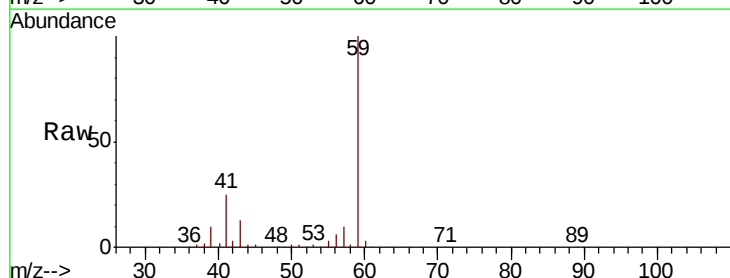
Tgt Ion: 53 Resp: 31998

Ion Ratio Lower Upper

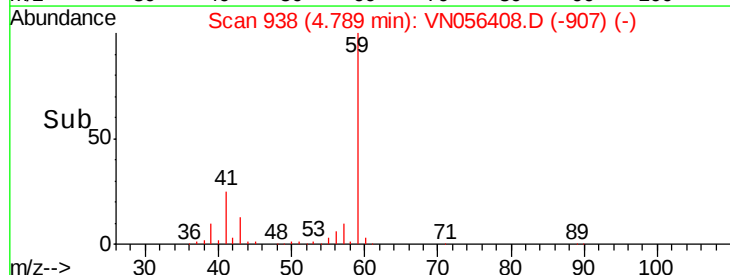
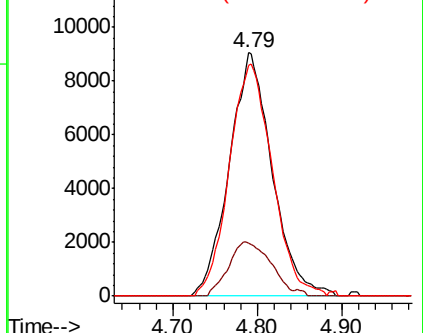
53 100

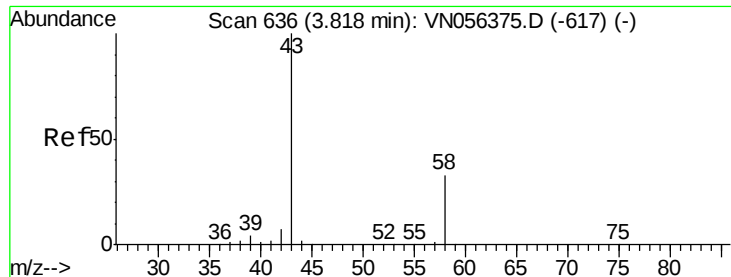
52 21.7 65.9 98.9#

51 95.6 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO





#16

Acetone

Concen: 182.259 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

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ClientSampleId :

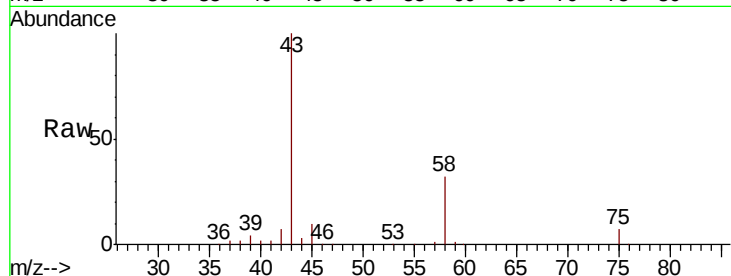
390619766-VOA

Tot Ion: 43 Resp: 376911

Ion Ratio Lower Upper

43 100

58 32.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-617) (-)

3.82

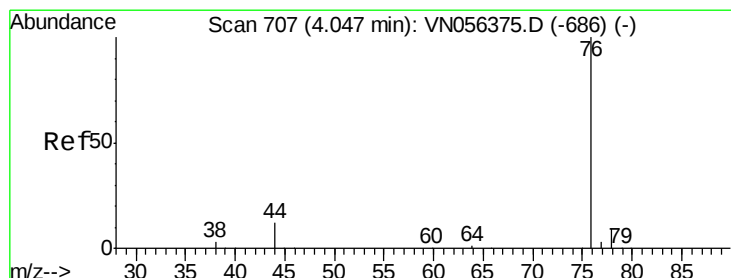
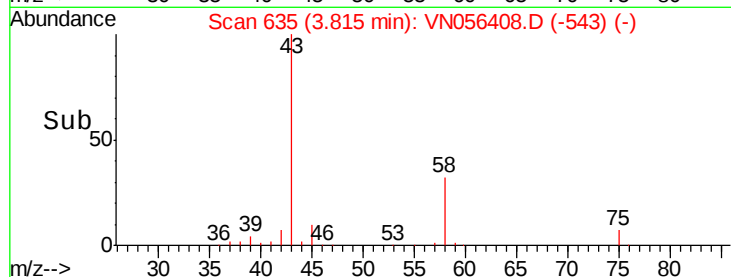
150000

100000

50000

0

Time--> 3.70 3.80 3.90



#17

Carbon Disulfide

Concen: 0.380 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056408.D

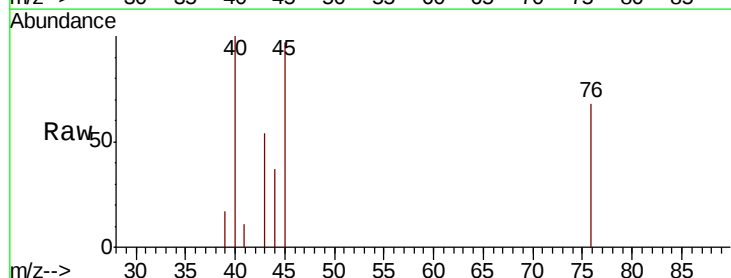
Acq: 20 Jun 2019 17:23

Tgt Ion: 76 Resp: 2841

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN056375.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN056375.D (-686) (-)

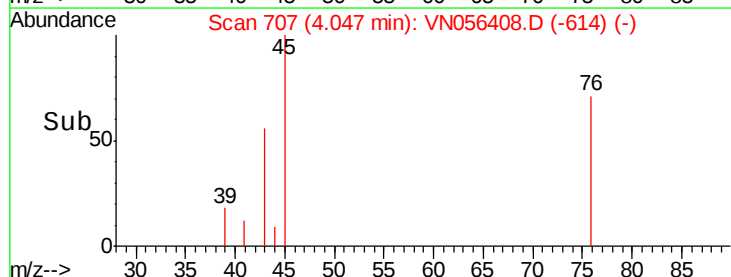
4.05

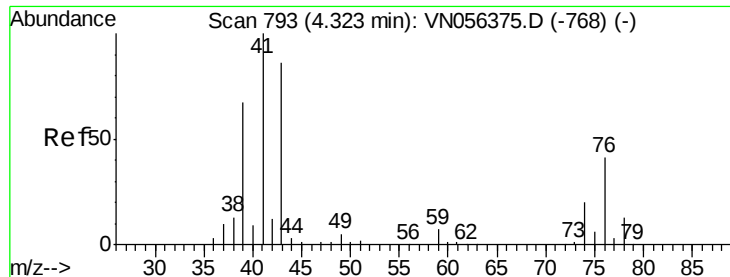
1000

500

0

Time--> 4.00 4.05 4.10

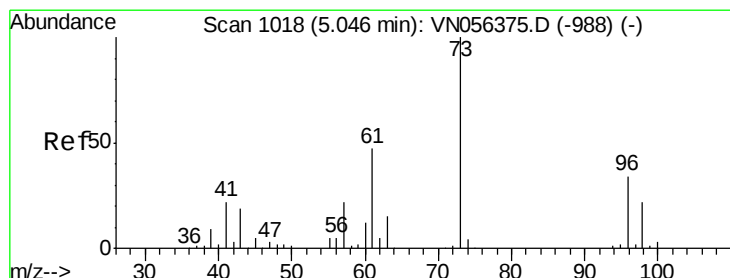
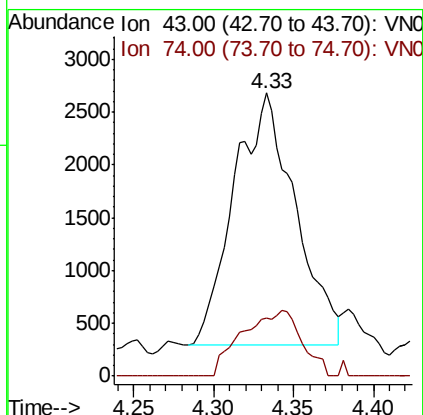
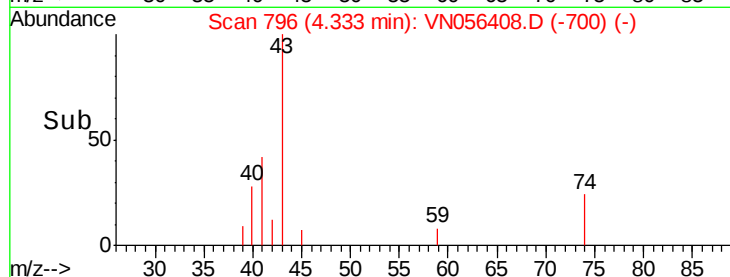
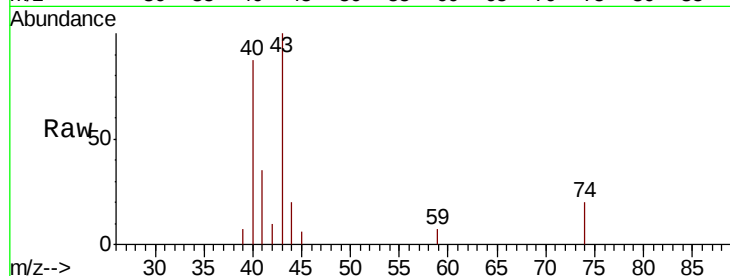




#18
Methyl Acetate
Concen: 0.706 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

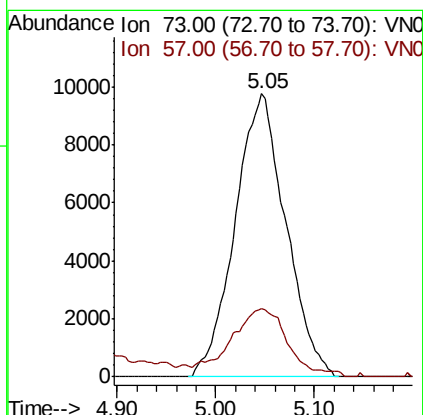
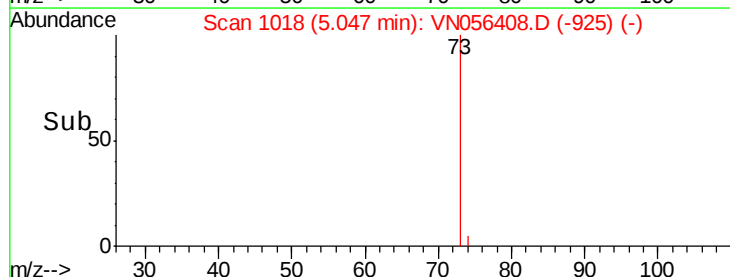
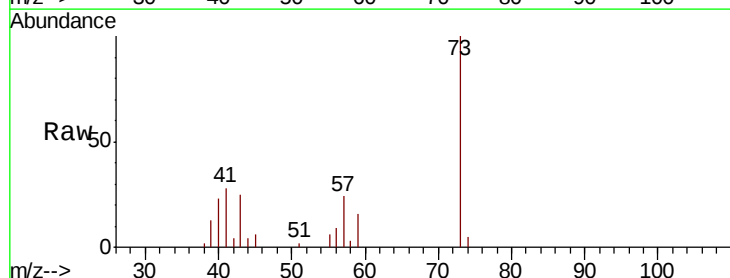
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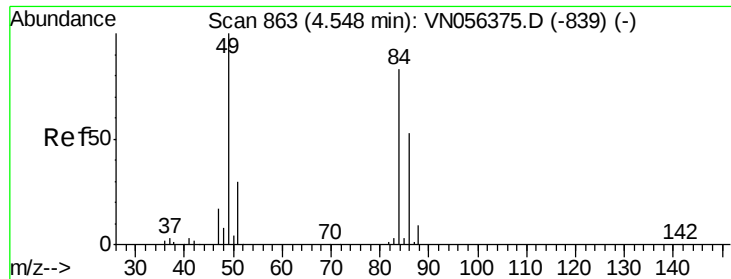
Tot Ion: 43 Resp: 6325
Ion Ratio Lower Upper
43 100
74 25.2 19.2 28.8



#19
Methyl tert-butyl Ether
Concen: 3.197 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion: 73 Resp: 34798
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9

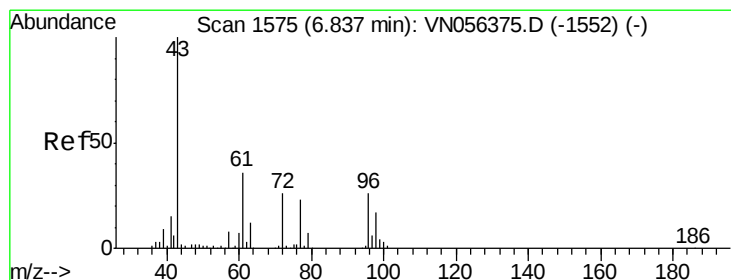
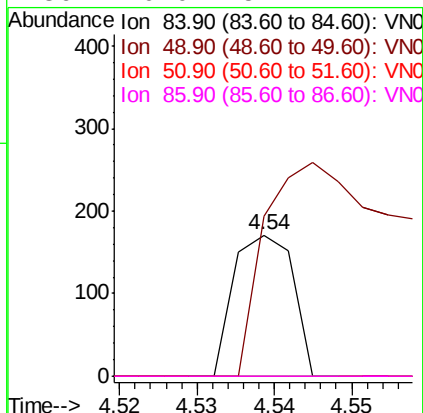
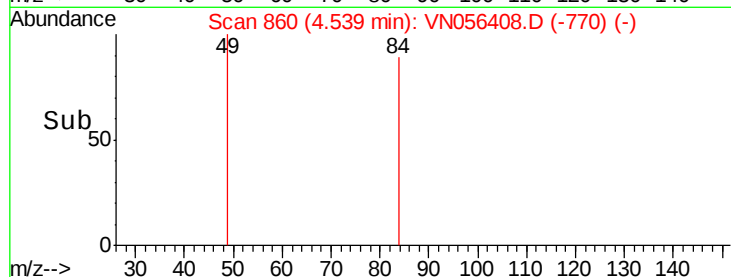
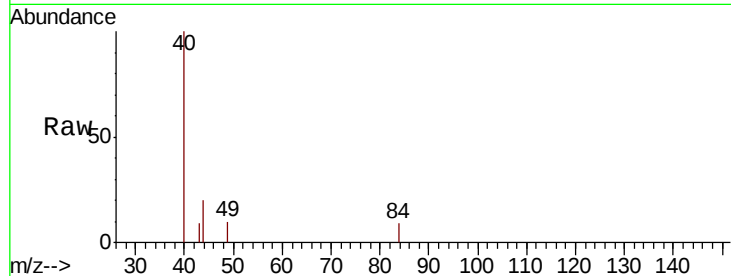




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

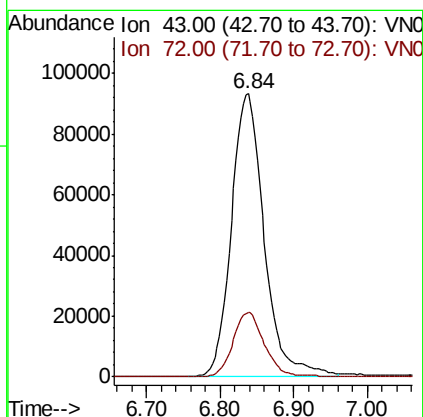
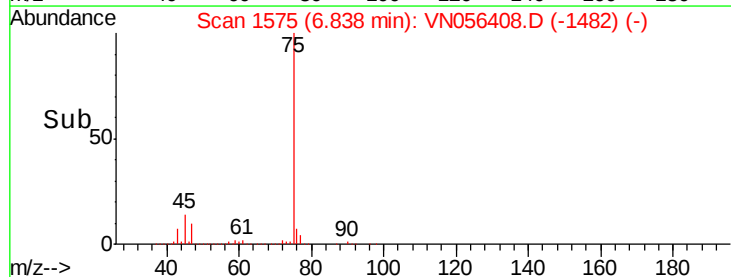
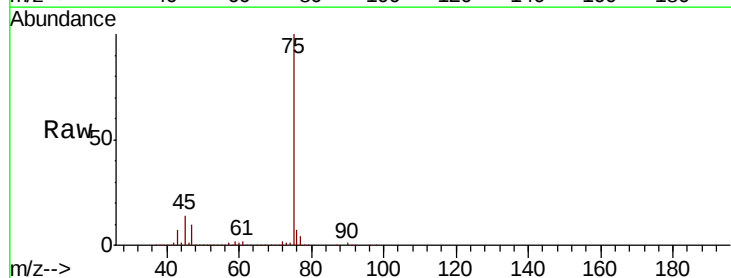
Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

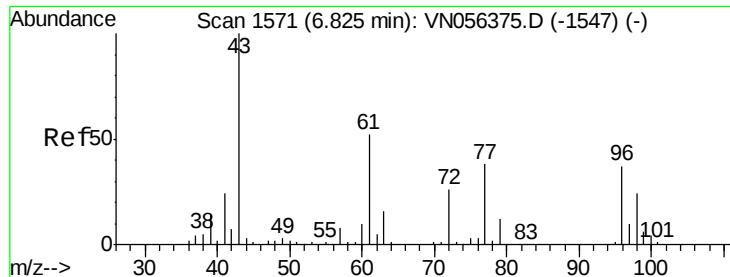
Tot Ion: 84 Resp: 91
Ion Ratio Lower Upper
84 100
49 112.9 96.4 144.6
51 0.0 28.6 43.0#
86 0.0 51.4 77.2#



#25
2-Butanone
Concen: 105.848 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion: 43 Resp: 289707
Ion Ratio Lower Upper
43 100
72 23.0 20.6 31.0

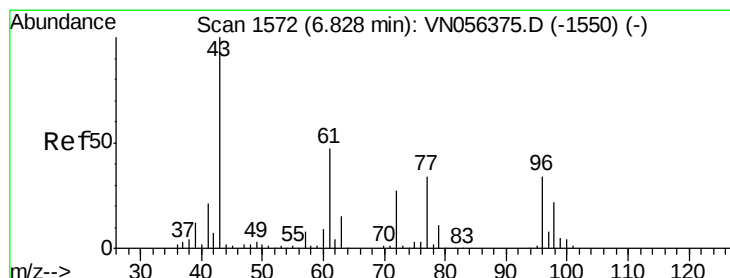
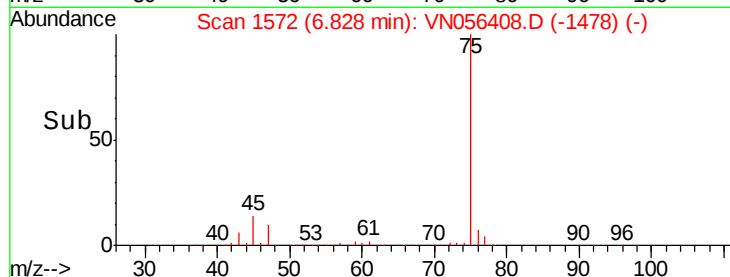
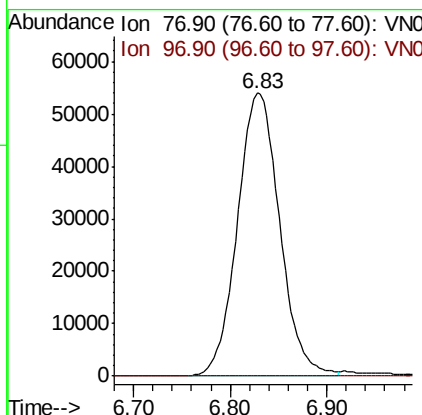
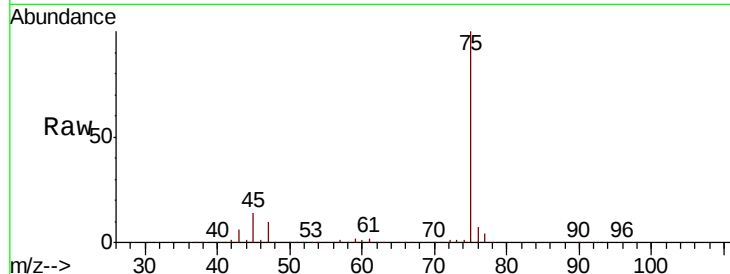




#26
 2,2-Dichloropropane
 Concen: 35.687 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

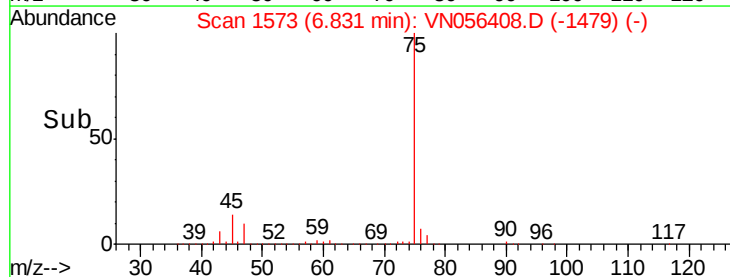
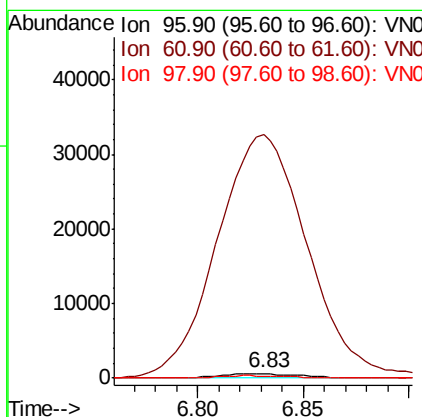
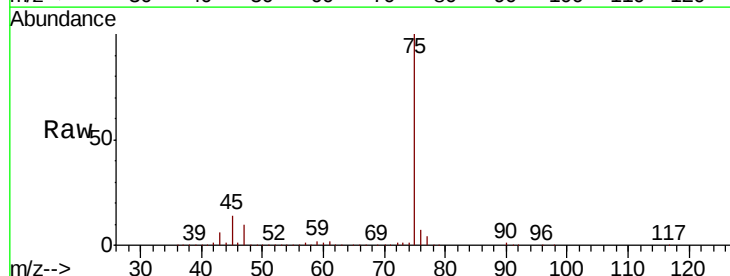
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

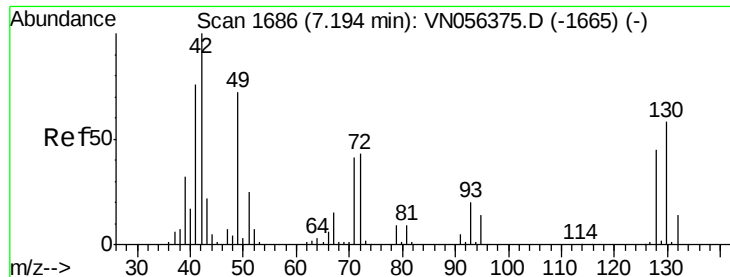
Tot Ion: 77 Resp: 163872
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.352 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

Tgt Ion: 96 Resp: 1461
 Ion Ratio Lower Upper
 96 100
 61 6716.4 0.0 279.8#
 98 26.8 0.0 130.0





#28

Bromochloromethane

Concen: 0.221 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

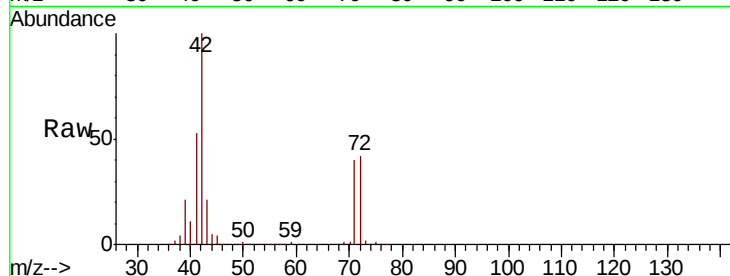
Tot Ion: 49 Resp: 722

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

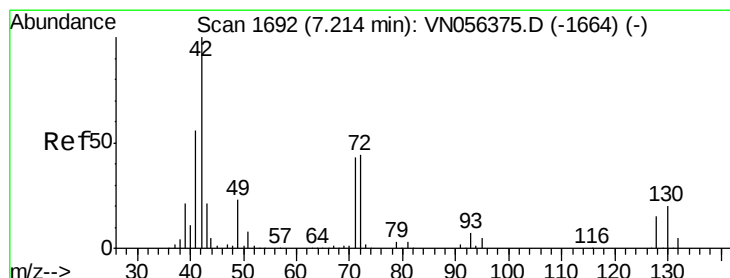
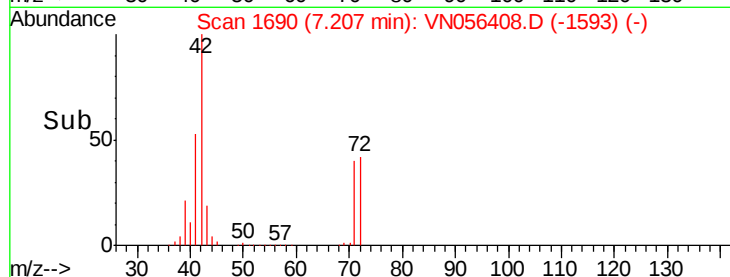
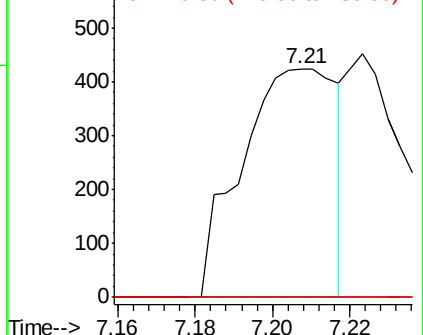
130 0.0 64.9 97.3#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0



#29

Tetrahydrofuran

Concen: 440.313 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

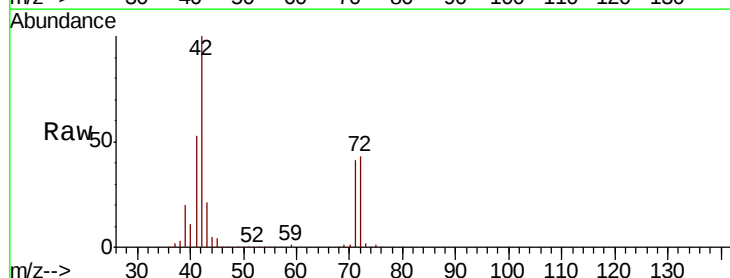
Tgt Ion: 42 Resp: 736463

Ion Ratio Lower Upper

42 100

72 43.3 34.7 52.1

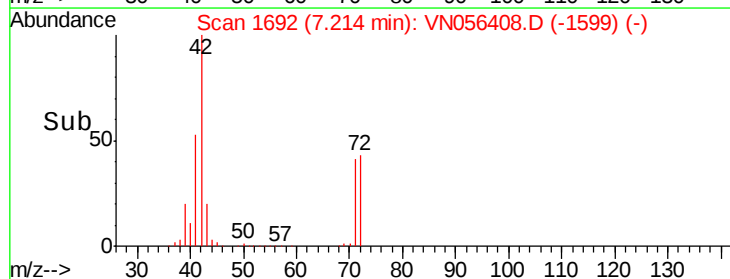
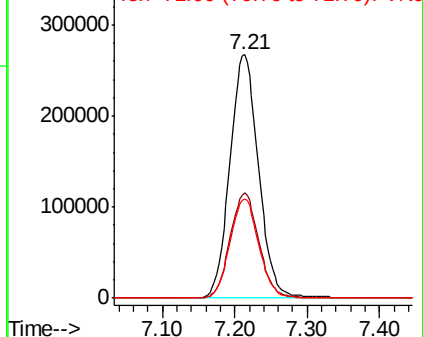
71 41.1 33.0 49.6

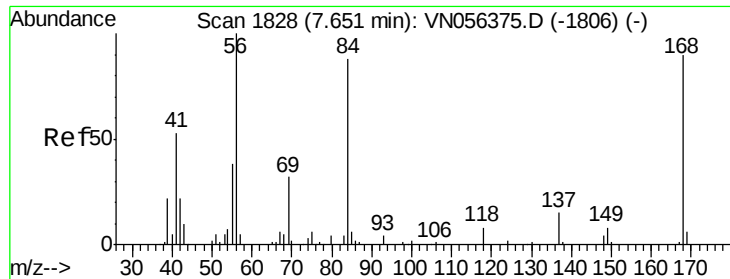


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

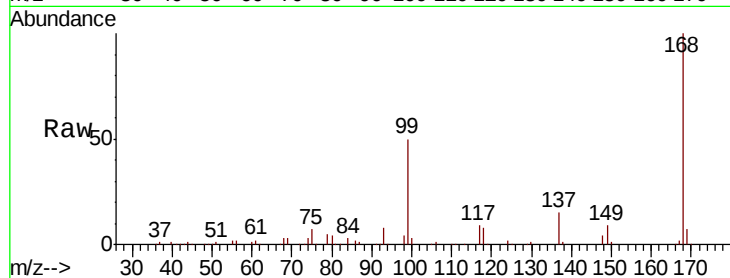




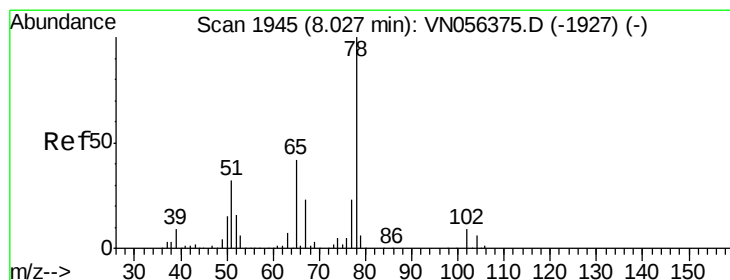
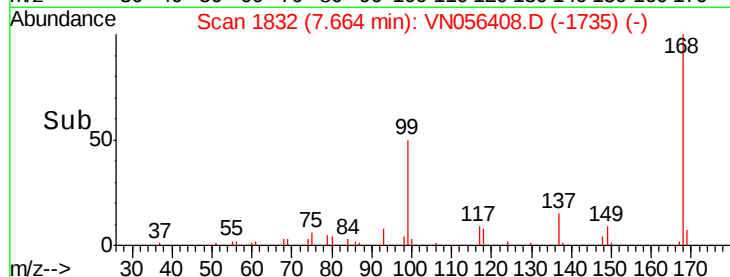
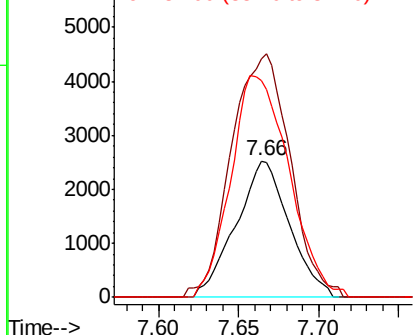
#31
Cyclohexane
Concen: 0.908 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

Tot Ion: 56 Resp: 5788
Ion Ratio Lower Upper
56 100
69 168.8 25.8 38.6#
84 158.9 69.4 104.0#

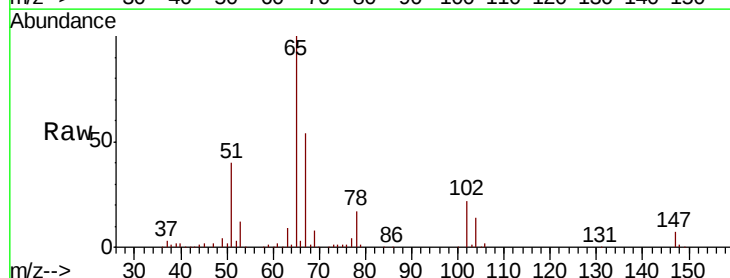


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

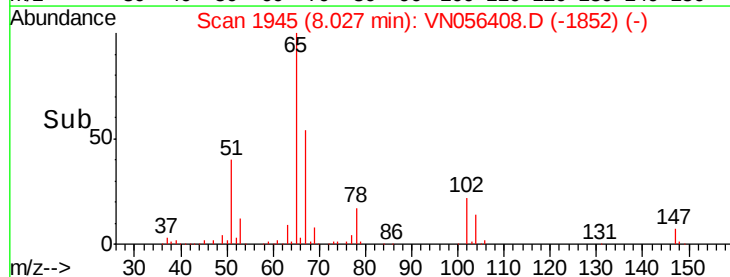
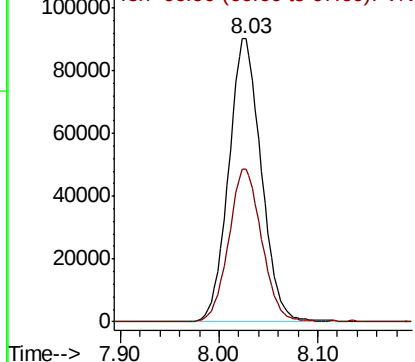


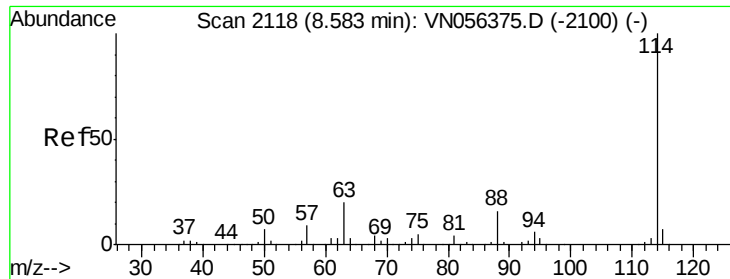
#33
1,2-Dichloroethane-d4
Concen: 50.304 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion: 65 Resp: 207636
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.0



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

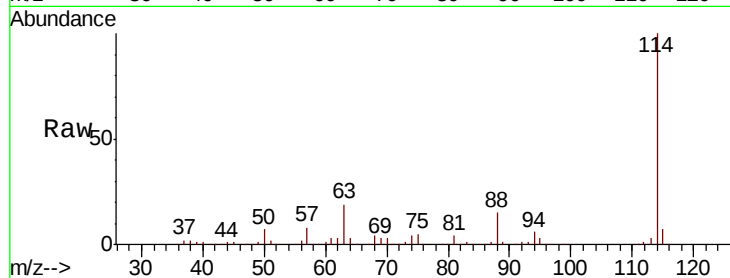




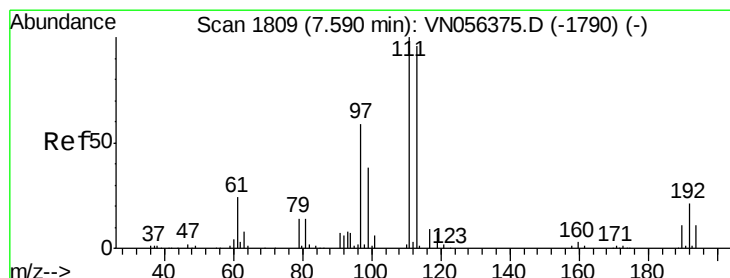
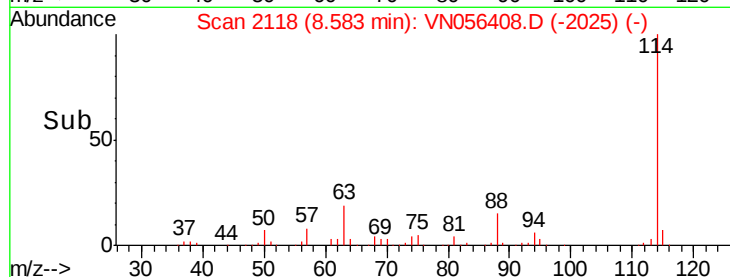
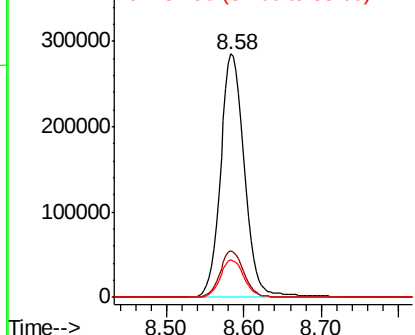
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

Tot Ion:114 Resp: 615114
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.2
88 15.3 0.0 31.4

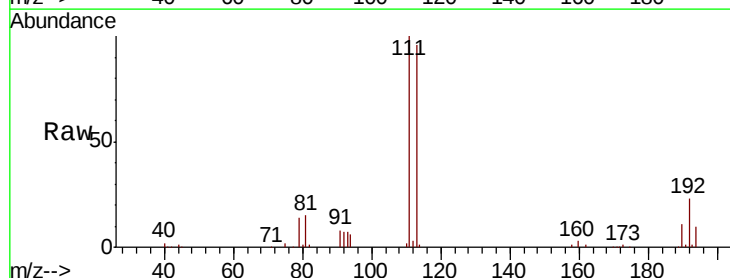


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

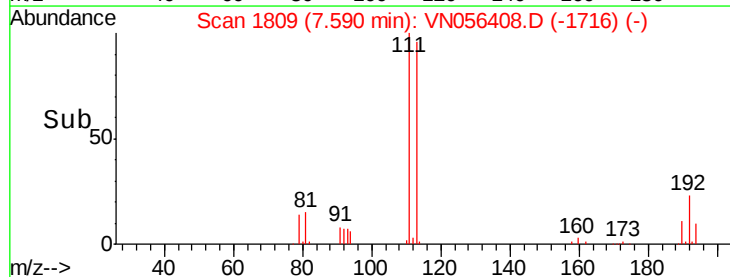
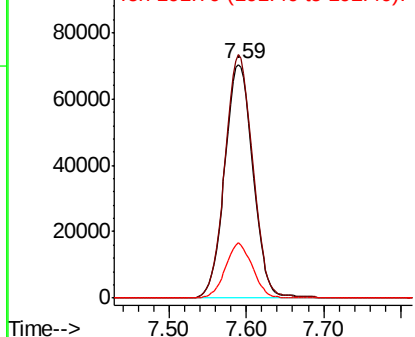


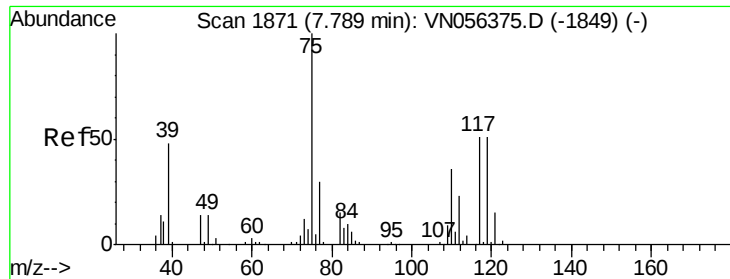
#35
Dibromofluoromethane
Concen: 46.435 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion:113 Resp: 178185
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 22.4 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

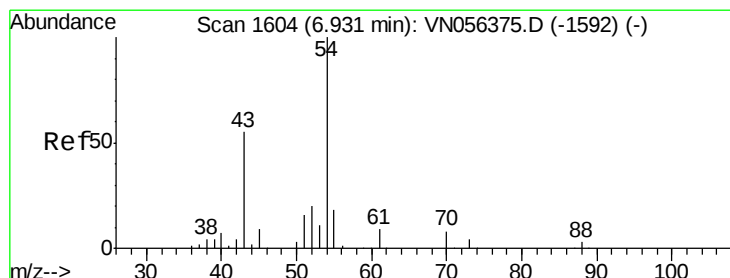
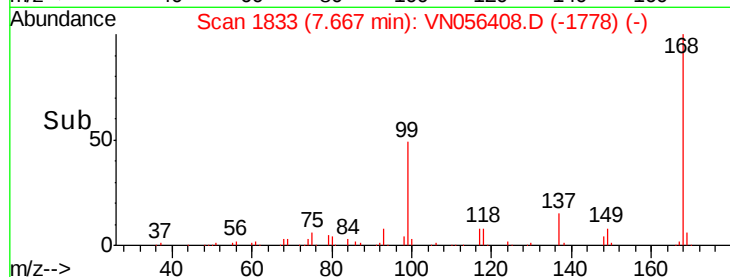
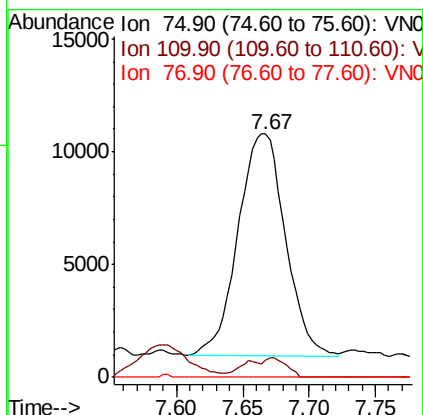
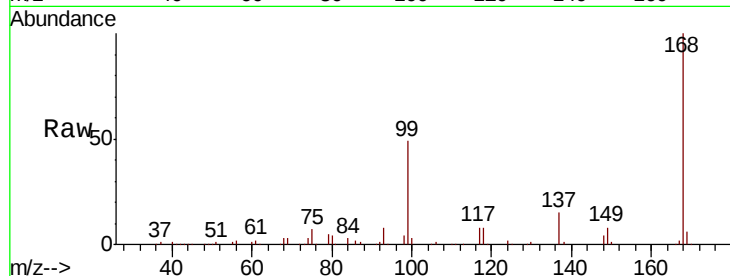




#36
 1,1-Dichloropropene
 Concen: 4.488 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

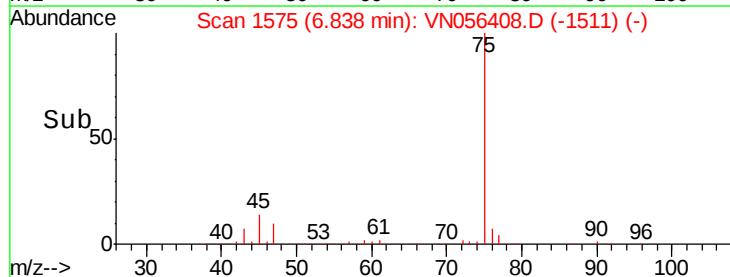
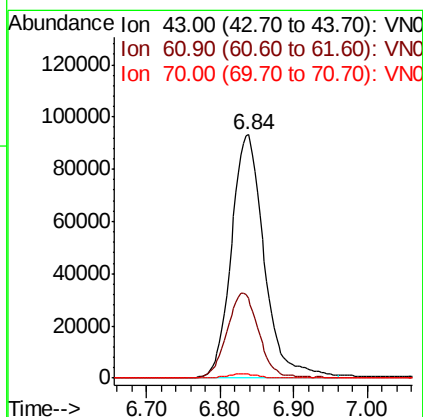
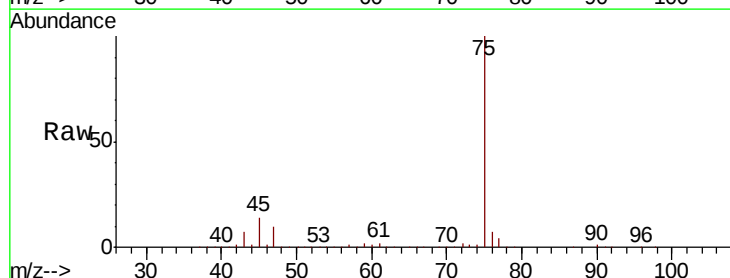
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

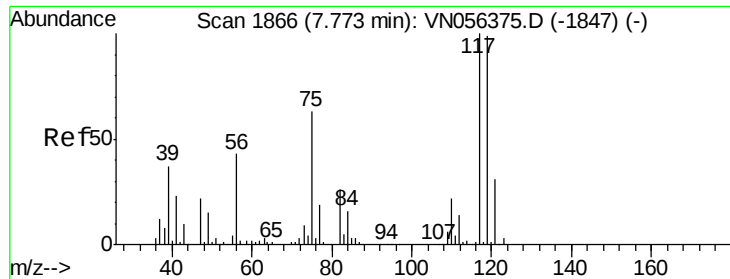
Tot Ion	75	Resp	24299
Ion Ratio	Lower	Upper	
75	100		
110	3.9	18.1	54.3#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 54.449 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.09 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

Tgt Ion	43	Resp	289707
Ion Ratio	Lower	Upper	
43	100		
61	33.9	11.1	16.7#
70	1.6	8.3	12.5#





#38

Carbon Tetrachloride

Concen: 6.659 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

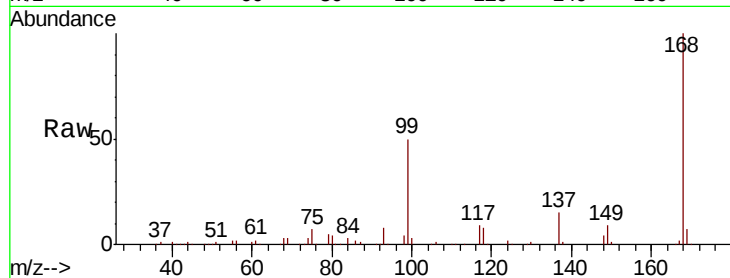
Tot Ion:117 Resp: 31525

Ion Ratio Lower Upper

117 100

119 4.8 79.1 118.7#

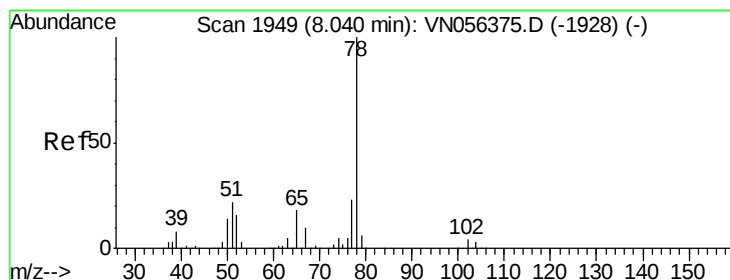
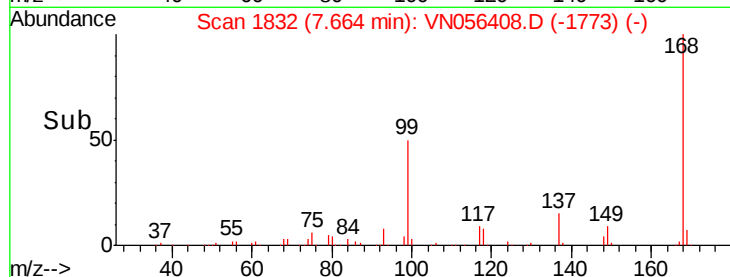
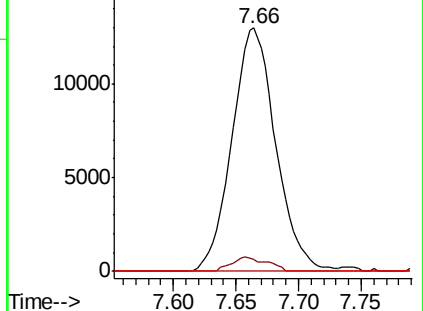
121 0.0 24.8 37.2#



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



#40

Benzene

Concen: 3.061 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056408.D

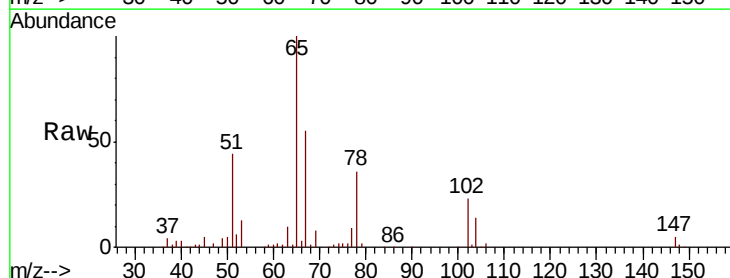
Acq: 20 Jun 2019 17:23

Tgt Ion: 78 Resp: 50983

Ion Ratio Lower Upper

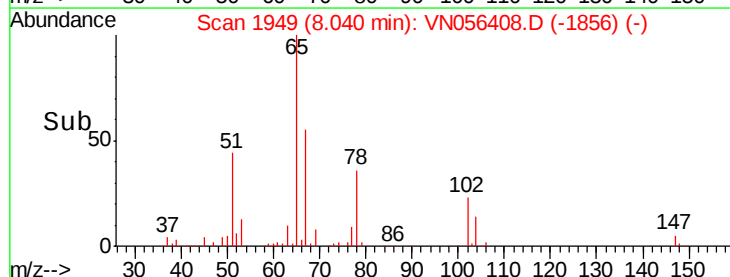
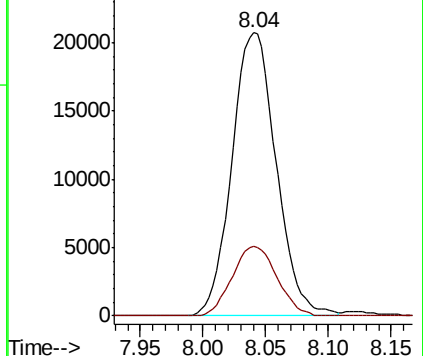
78 100

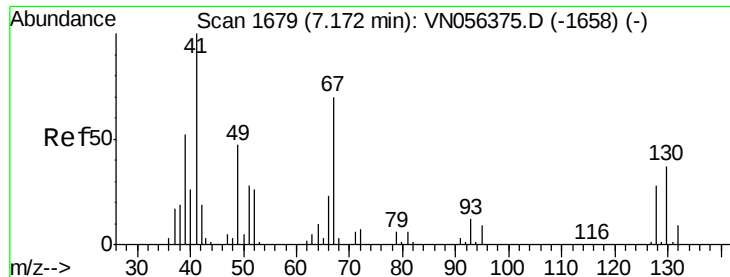
77 24.5 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V

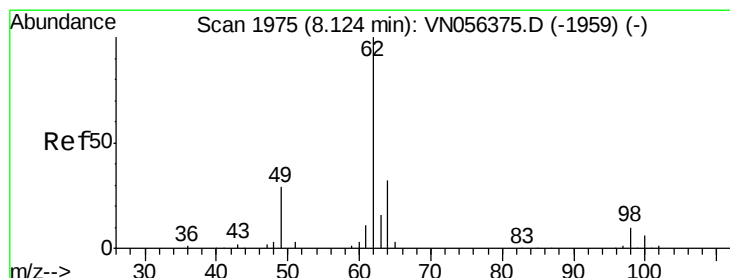
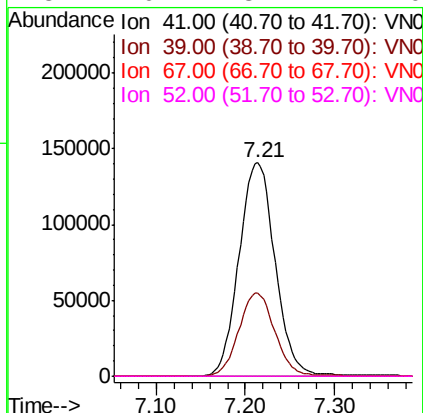
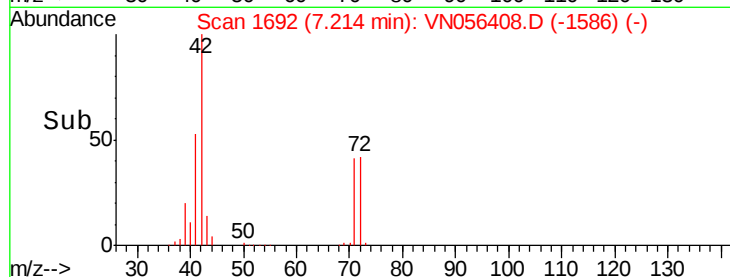
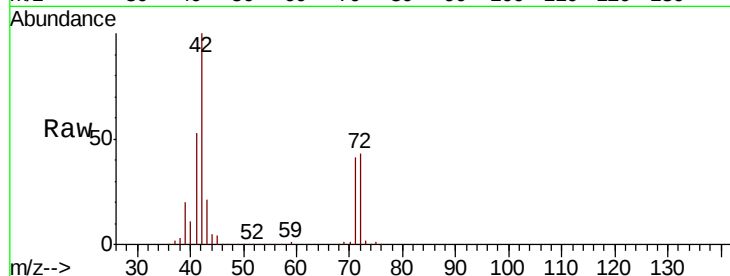




#41
Methacrylonitrile
Concen: 168.193 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

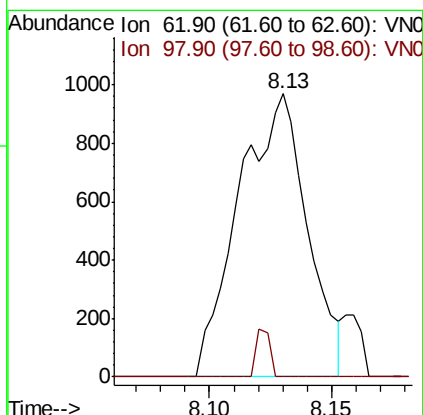
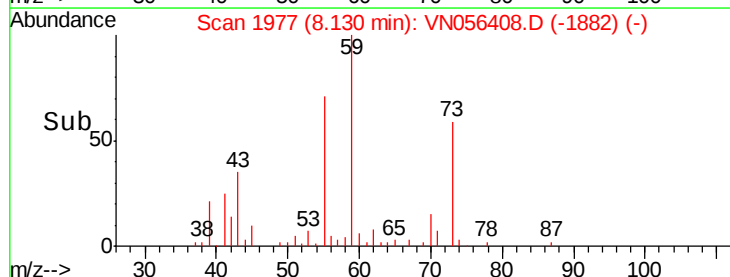
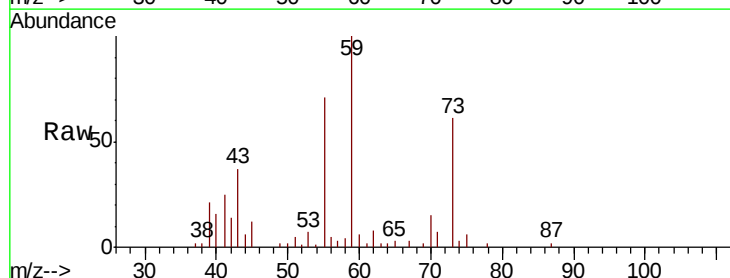
Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

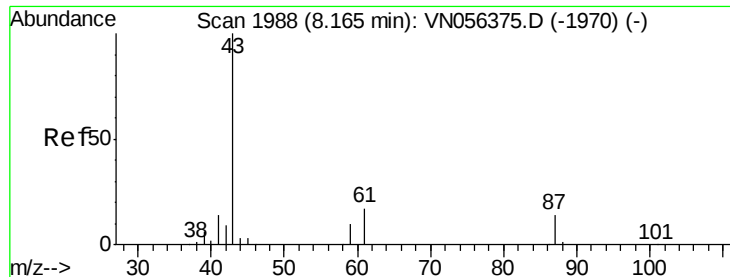
Tot Ion	Ratio	Lower	Upper
41	100		
39	39.1	55.3	82.9#
67	0.0	79.2	118.8#
52	0.1	31.4	47.0#



#42
1,2-Dichloroethane
Concen: 0.344 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.01 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 1.423 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.03 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

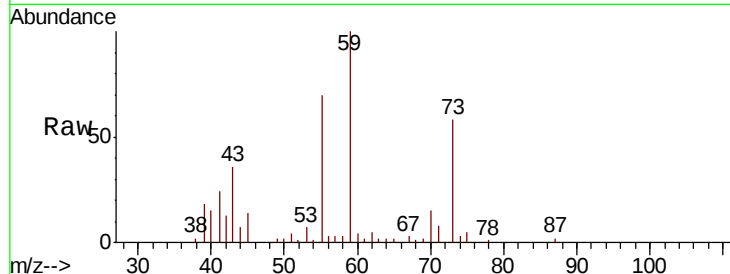
Tot Ion: 43 Resp: 11674

Ion Ratio Lower Upper

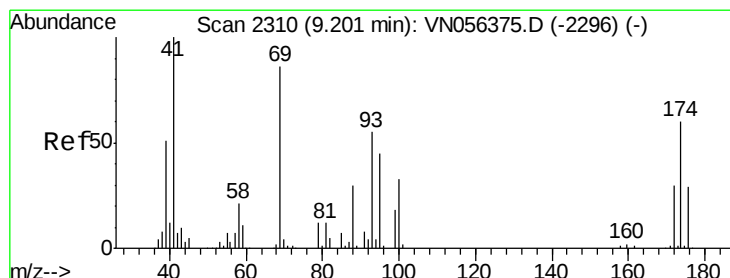
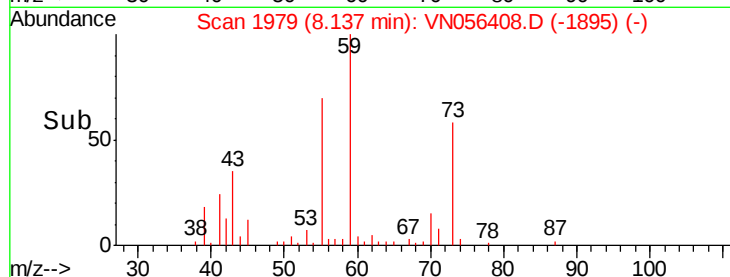
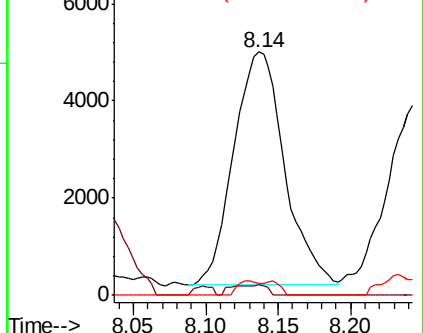
43 100

61 3.1 22.0 33.0#

87 2.5 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 71.953 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

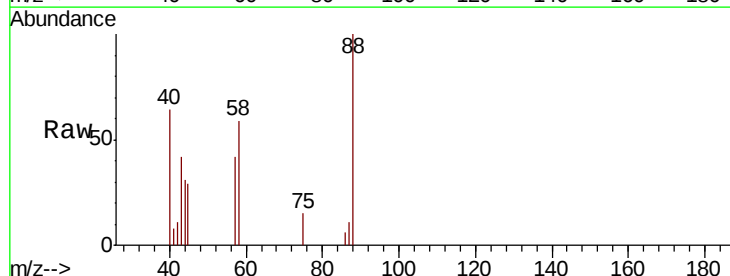
Tgt Ion: 88 Resp: 6139

Ion Ratio Lower Upper

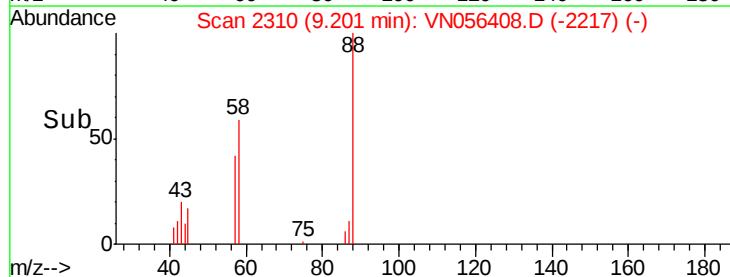
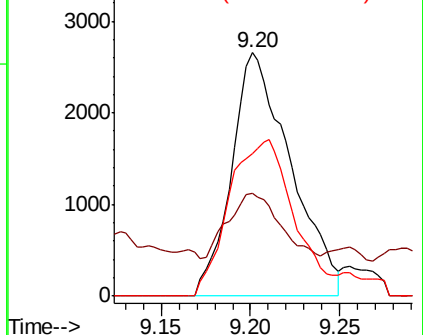
88 100

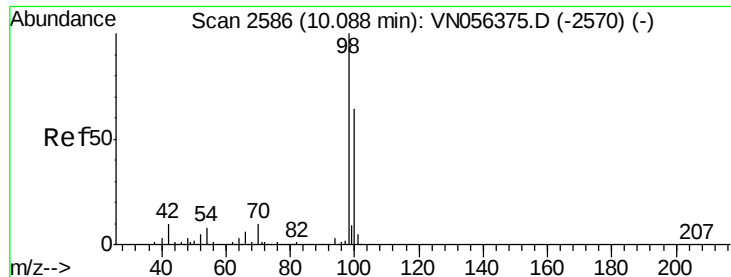
43 23.4 22.0 33.0

58 70.2 51.8 77.8



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.843 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

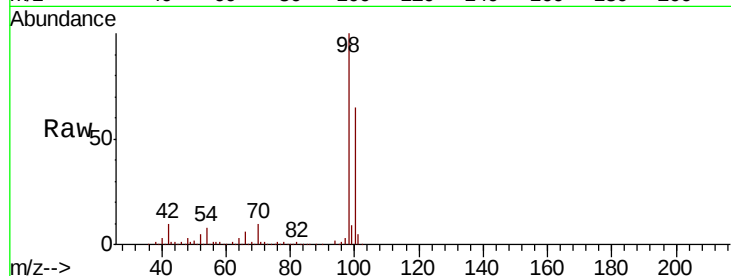
390619766-VOA

Tot Ion: 98 Resp: 759155

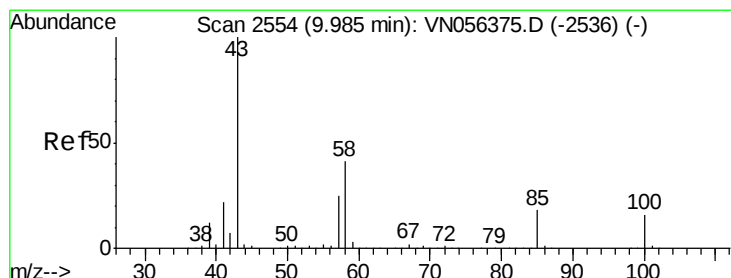
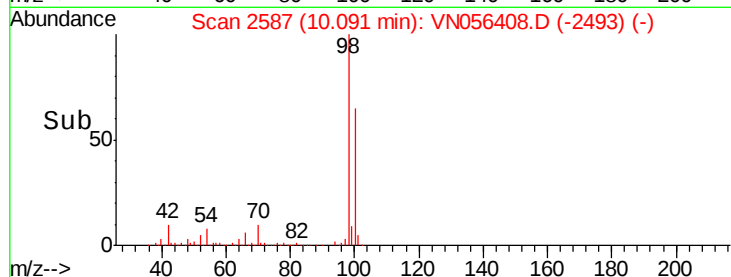
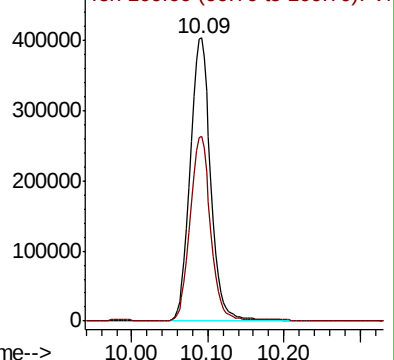
Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 9.201 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056408.D

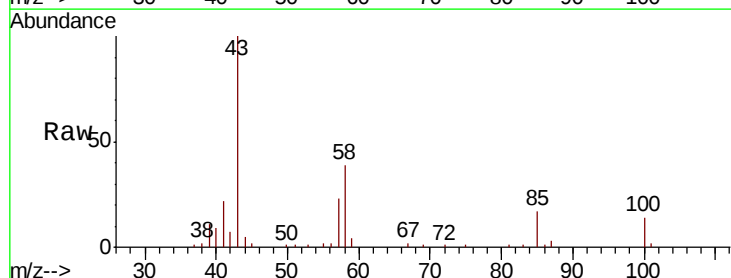
Acq: 20 Jun 2019 17:23

Tgt Ion: 43 Resp: 48722

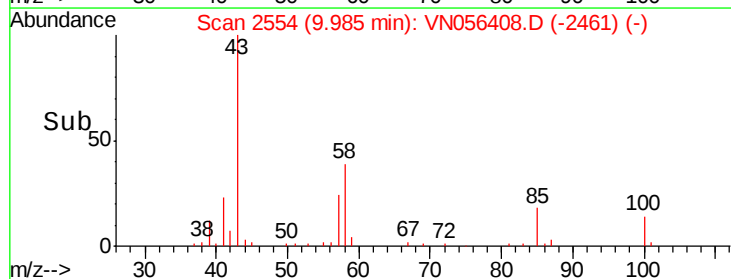
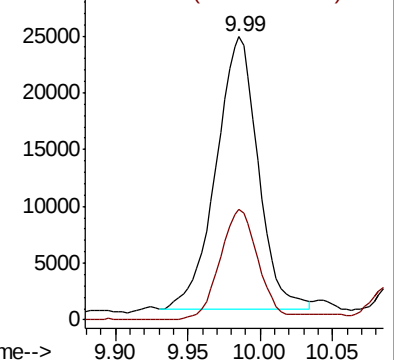
Ion Ratio Lower Upper

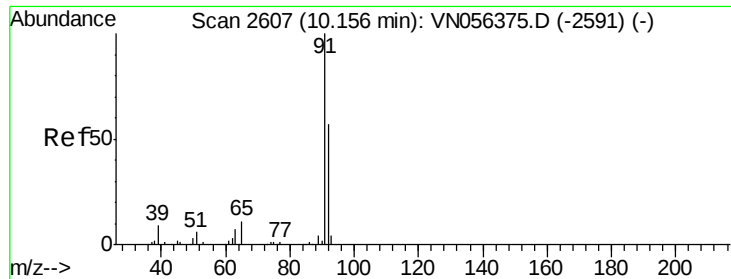
43 100

58 37.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-2536) (-)





#52

Toluene

Concen: 2.306 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

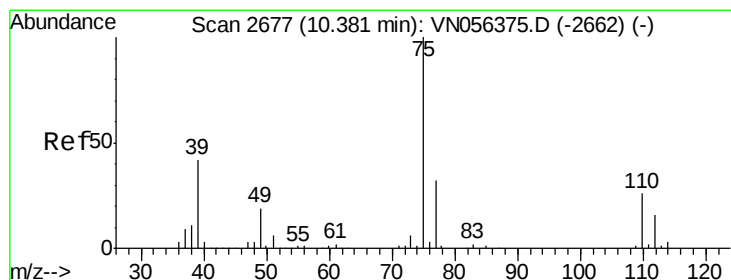
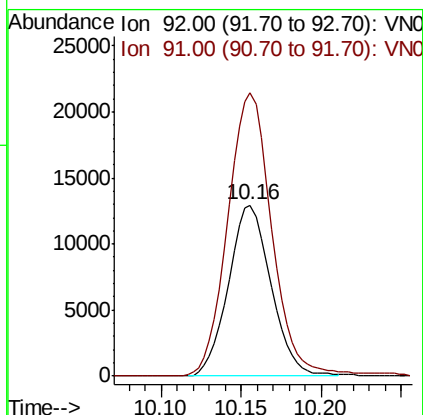
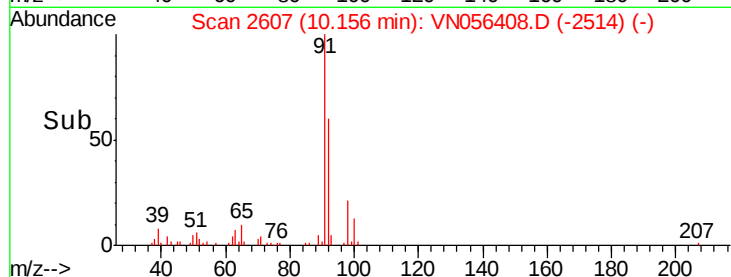
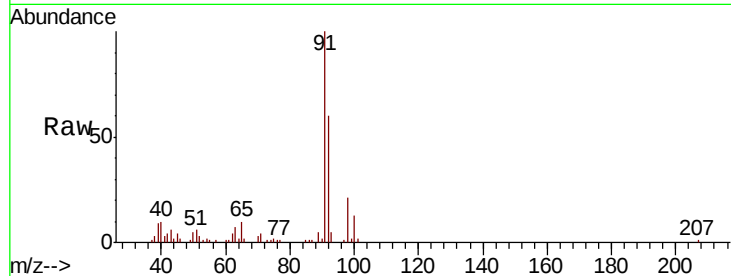
390619766-VOA

Tot Ion: 92 Resp: 23484

Ion Ratio Lower Upper

92 100

91 172.1 140.6 211.0



#53

t-1,3-Dichloropropene

Concen: 2.927 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN056408.D

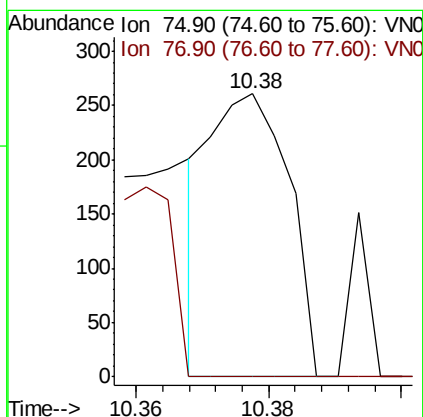
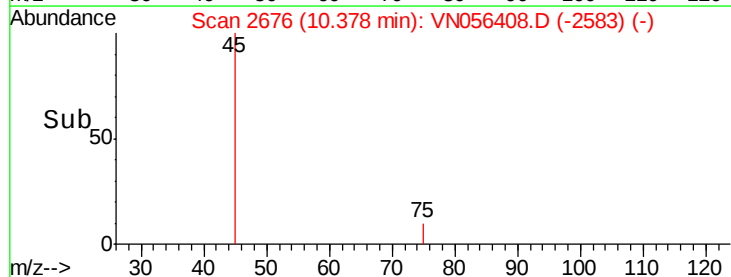
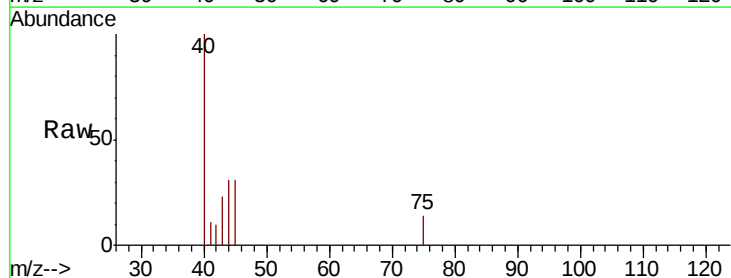
Acq: 20 Jun 2019 17:23

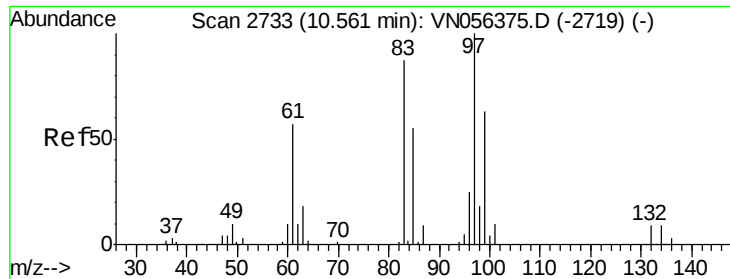
Tgt Ion: 75 Resp: 217

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#





#55

1,1,2-Trichloroethane

Concen: 0.352 ug/l

RT: 10.46 min Scan# 2703

Delta R.T. -0.10 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

Tot Ion: 97 Resp: 1442

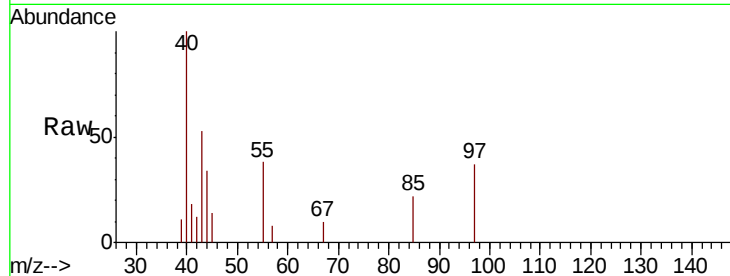
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.6#

85 59.5 43.8 65.8

99 0.0 50.2 75.2#

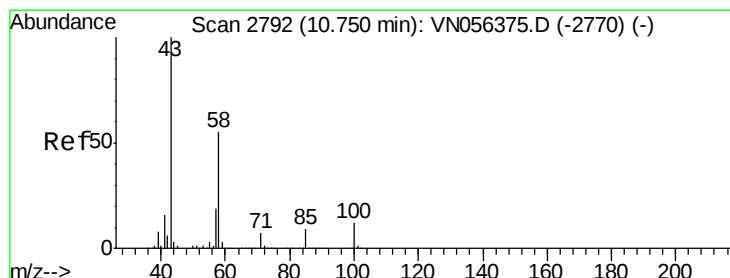
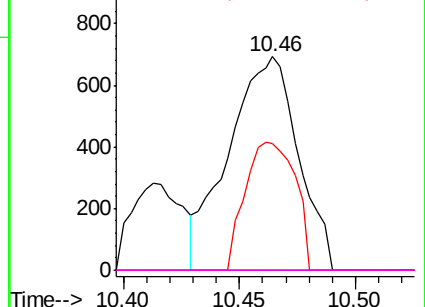
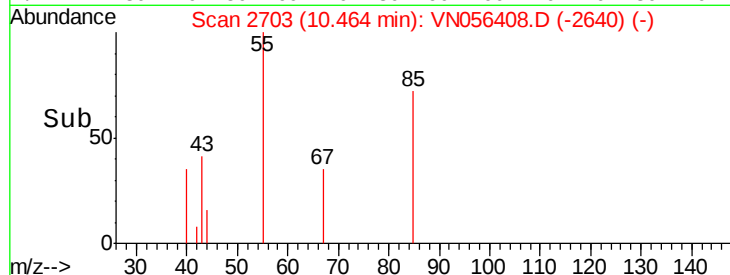


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#59

2-Hexanone

Concen: 5.713 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. -0.14 min

Lab File: VN056408.D

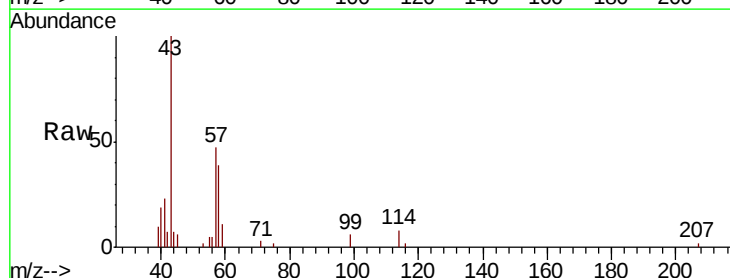
Acq: 20 Jun 2019 17:23

Tgt Ion: 43 Resp: 22233

Ion Ratio Lower Upper

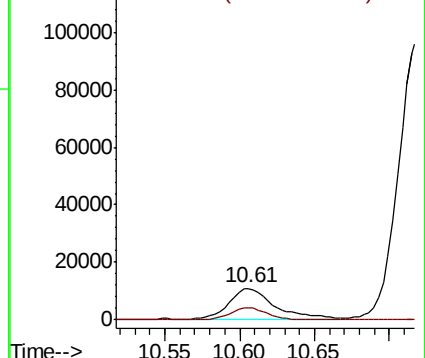
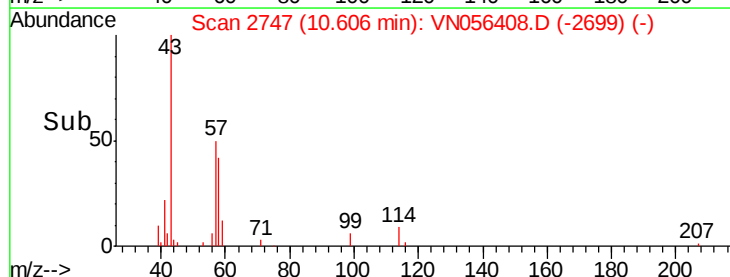
43 100

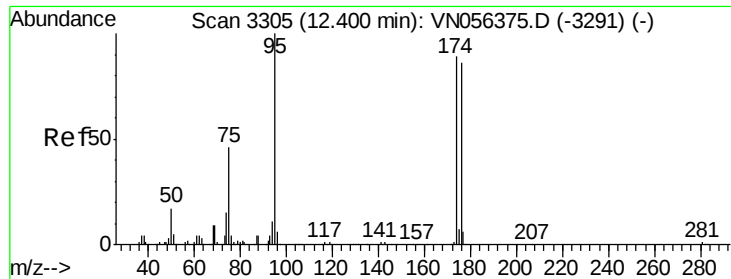
58 33.2 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#62

4-Bromofluorobenzene

Concen: 54.572 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

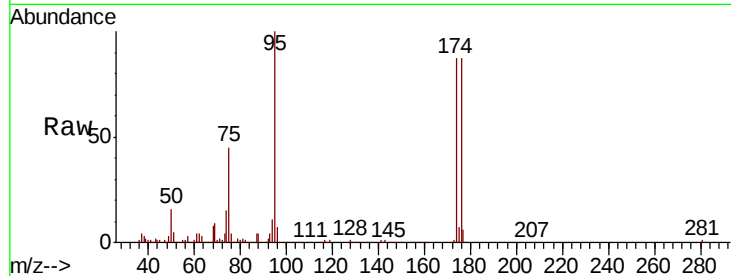
Tot Ion: 95 Resp: 271630

Ion Ratio Lower Upper

95 100

174 87.9 0.0 179.4

176 87.7 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)

12.40

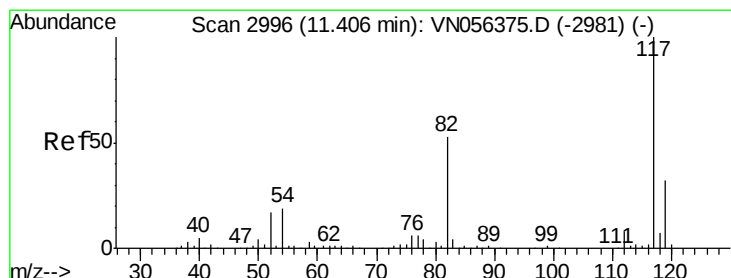
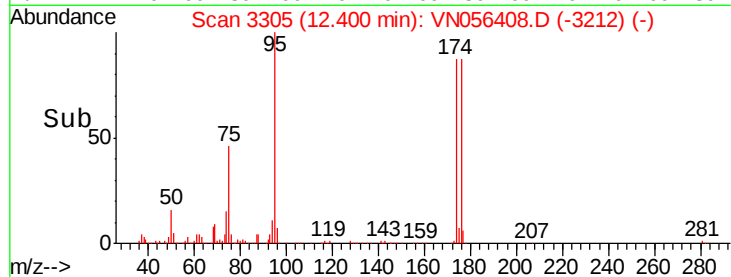
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

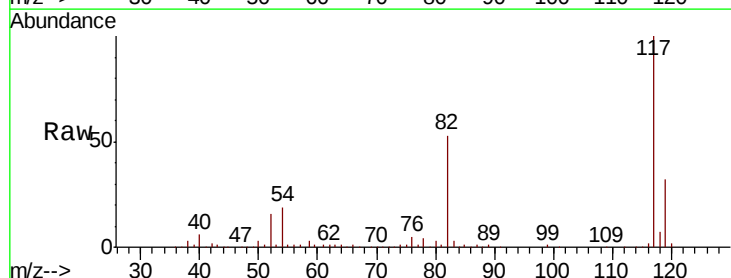
Tgt Ion: 117 Resp: 611965

Ion Ratio Lower Upper

117 100

82 53.0 42.0 63.0

119 31.9 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN056375.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN056375.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN056375.D (-2981) (-)

11.41

400000

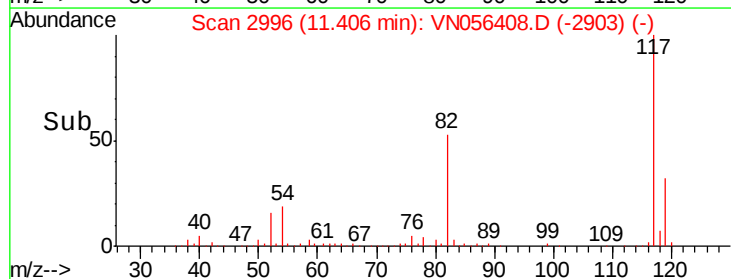
300000

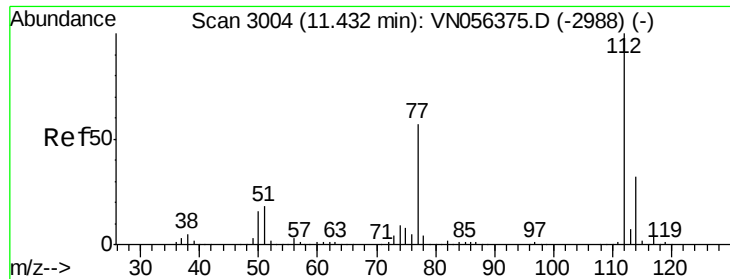
200000

100000

0

Time-->

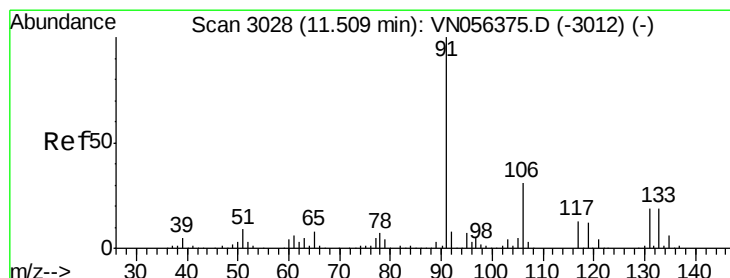
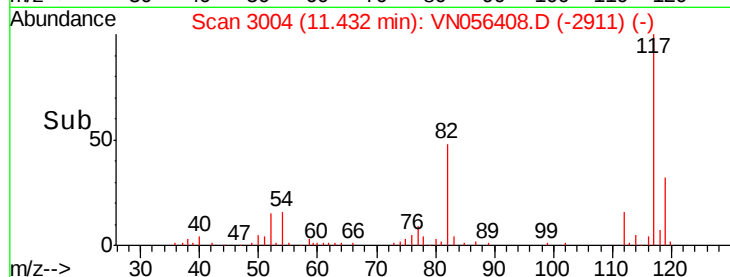
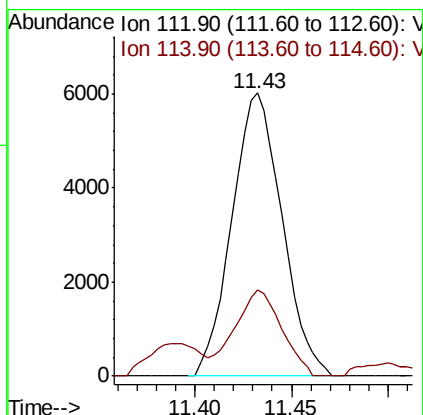
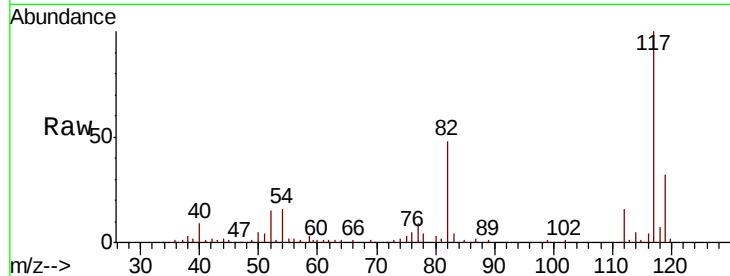




#65
Chlorobenzene
Concen: 0.882 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

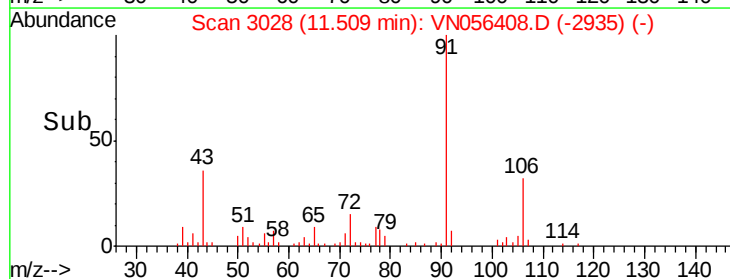
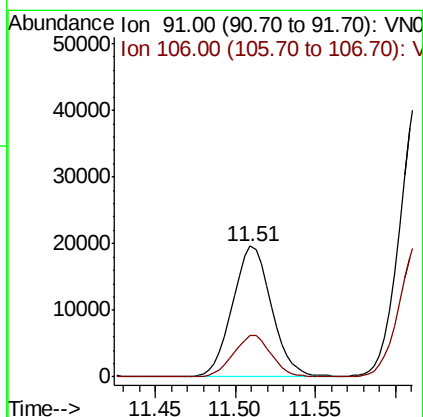
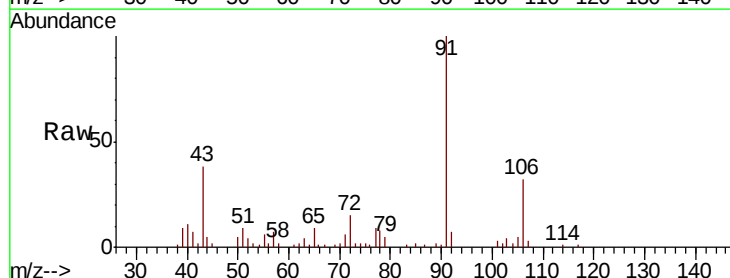
Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

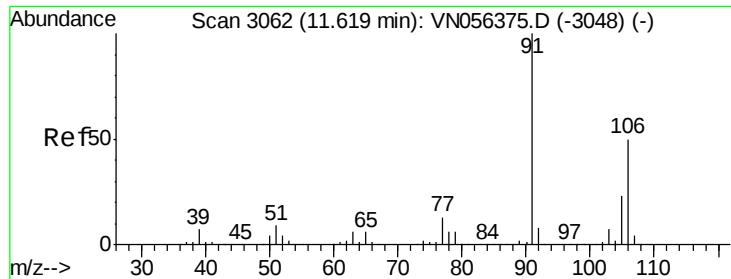
Tot Ion:112 Resp: 10846
Ion Ratio Lower Upper
112 100
114 30.4 25.4 38.2



#67
Ethyl Benzene
Concen: 1.509 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion: 91 Resp: 32581
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7

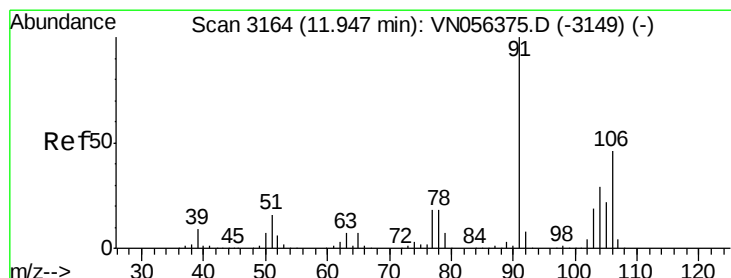
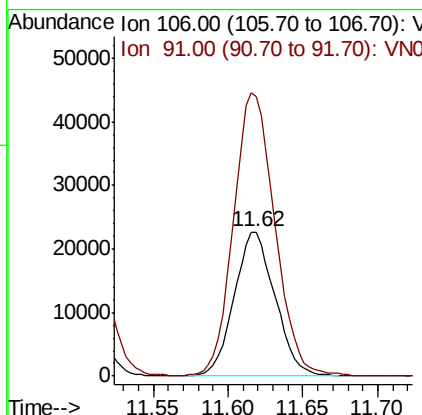
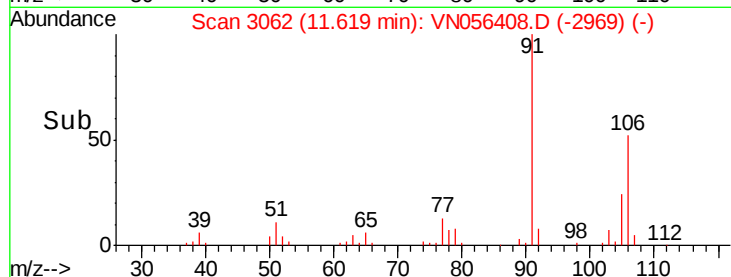
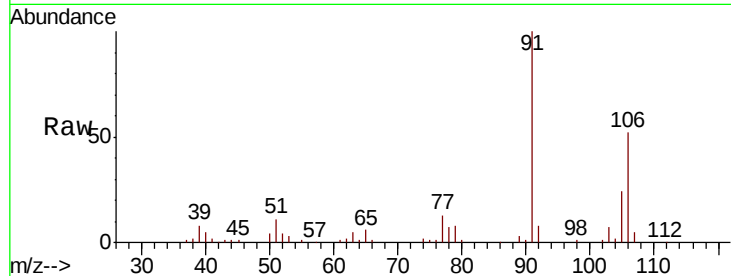




#68
m/p-Xylenes
Concen: 5.447 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

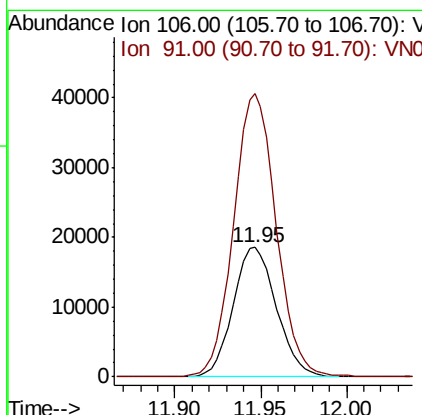
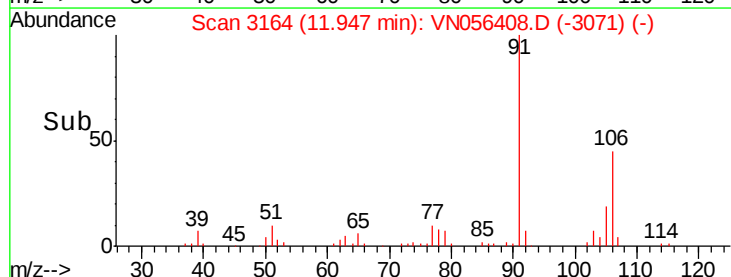
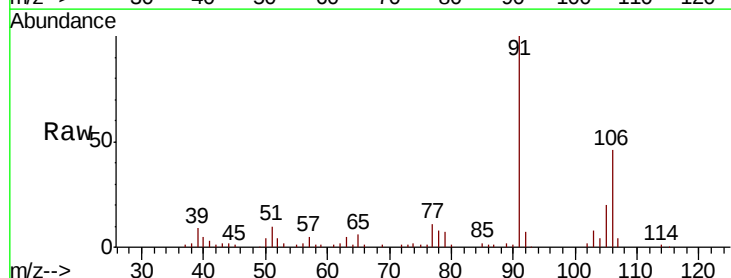
Instrument :
MSVOA_N
ClientSampleId :
390619766-VOA

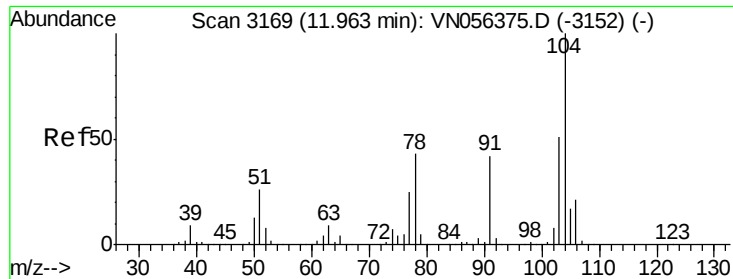
Tot Ion:106 Resp: 43099
Ion Ratio Lower Upper
106 100
91 199.1 160.1 240.1



#69
o-Xylene
Concen: 4.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056408.D
Acq: 20 Jun 2019 17:23

Tgt Ion:106 Resp: 32529
Ion Ratio Lower Upper
106 100
91 215.0 107.1 321.3





#70

Stvrene

Concen: 0.345 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.01 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

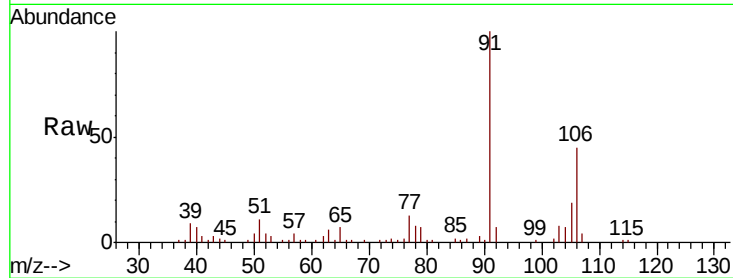
Tot Ion:104 Resp: 4315

Ion Ratio Lower Upper

104 100

78 135.6 38.6 57.8#

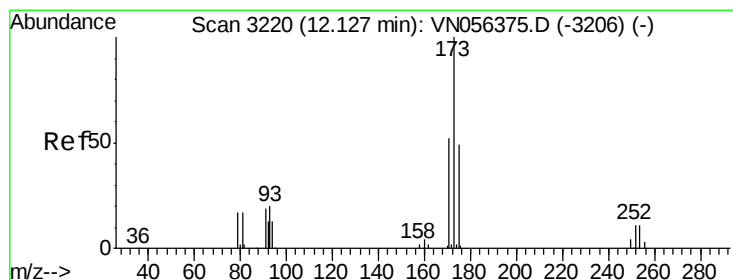
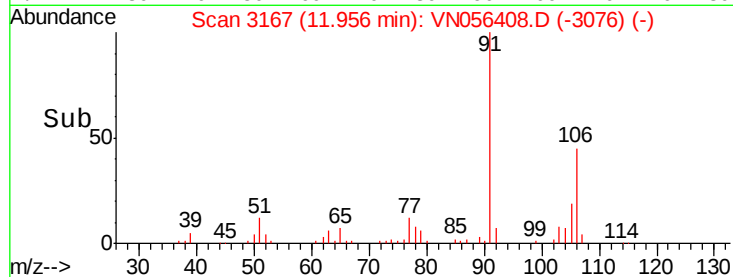
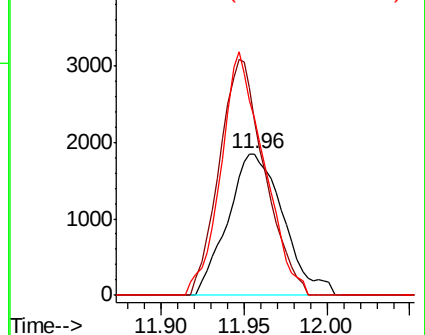
103 132.2 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 3.632 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

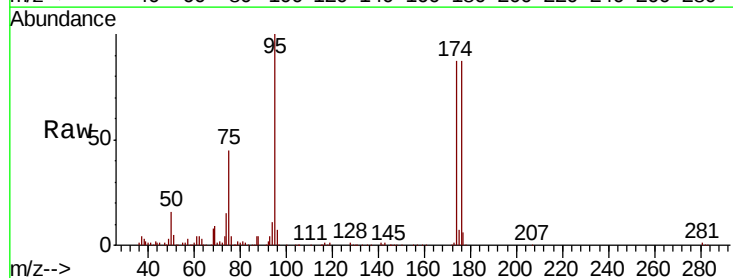
Tgt Ion:173 Resp: 1752

Ion Ratio Lower Upper

173 100

175 907.2 24.4 73.4#

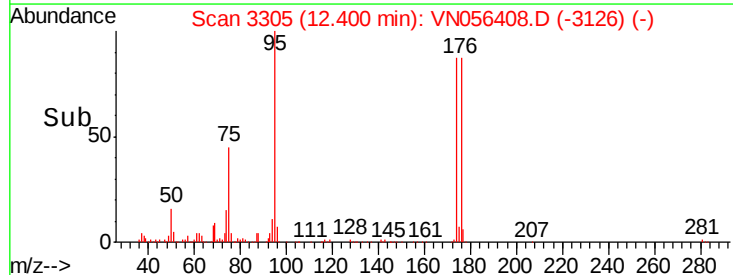
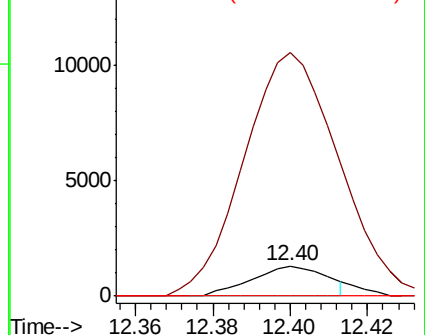
254 0.0 0.0 0.0

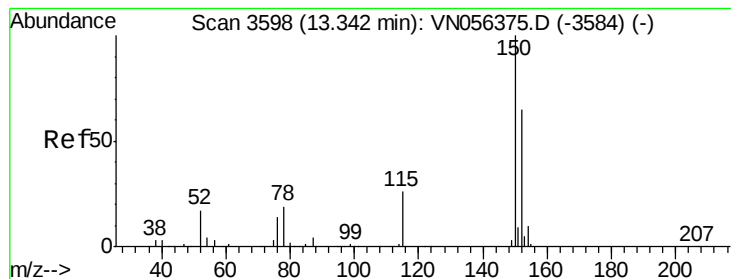


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

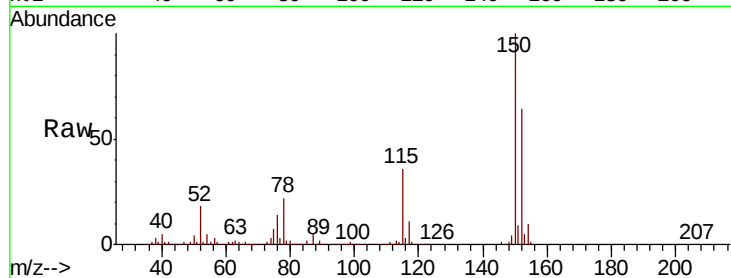
Tot Ion:152 Resp: 222515

Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.4

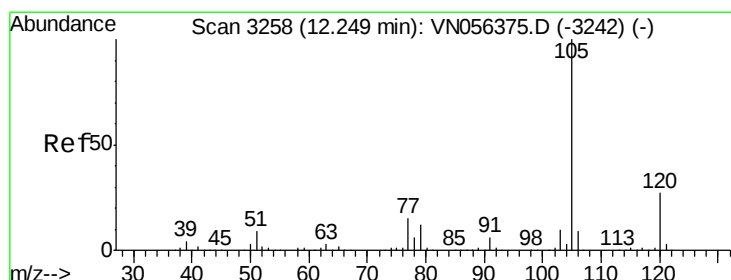
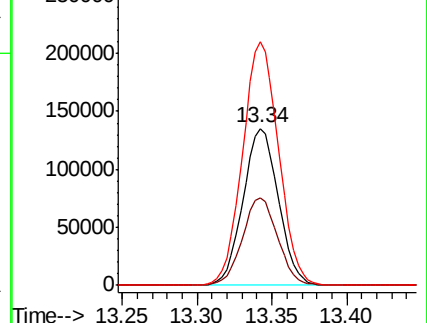
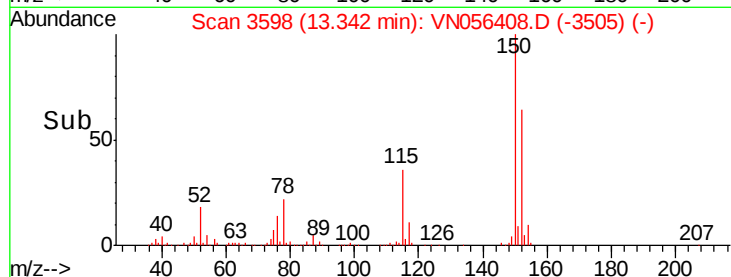
150 158.3 0.0 348.4



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# 3258

Delta R.T. 0.00 min

Lab File: VN056408.D

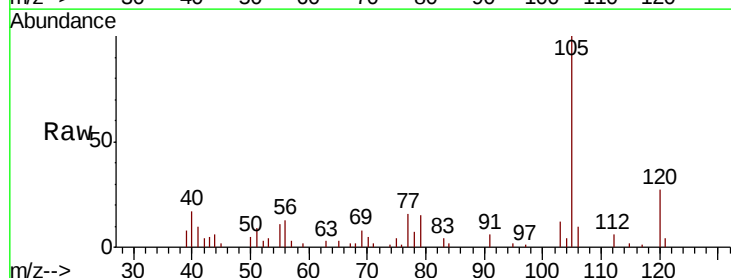
Acq: 20 Jun 2019 17:23

Tgt Ion:105 Resp: 19653

Ion Ratio Lower Upper

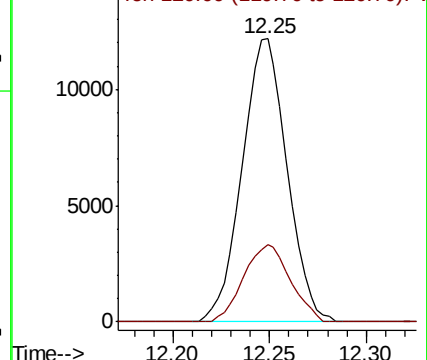
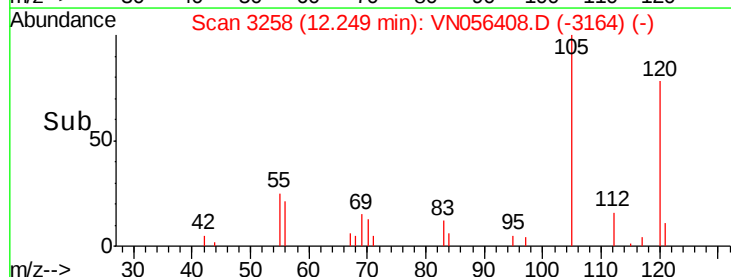
105 100

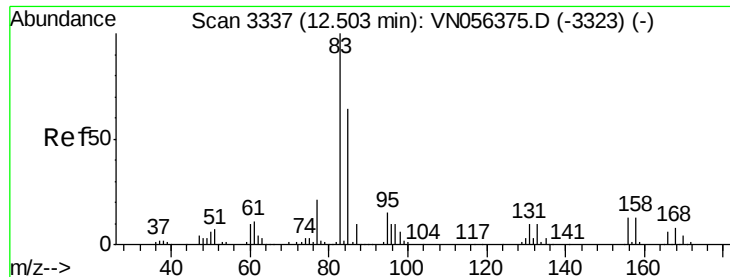
120 28.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3340

Delta R.T. 0.01 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

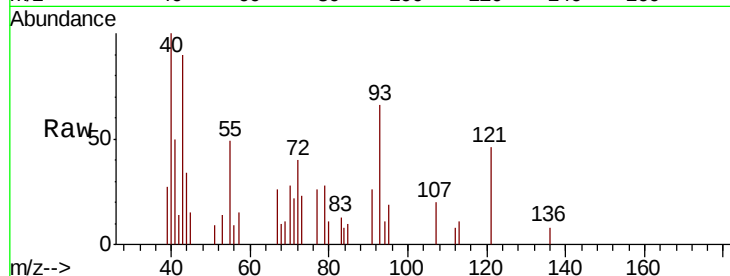
Tot Ion: 83 Resp: 268

Ion Ratio Lower Upper

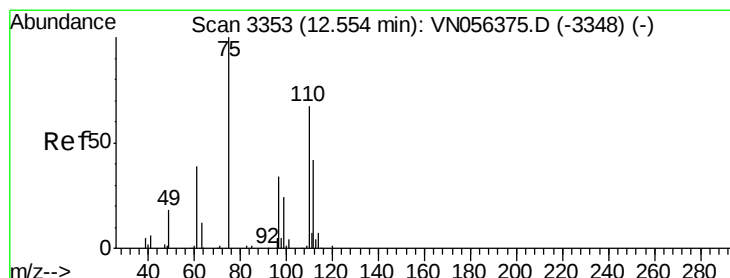
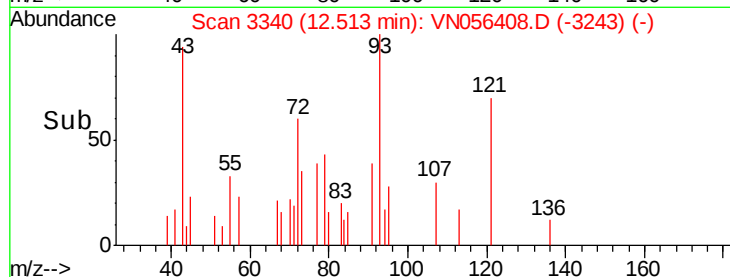
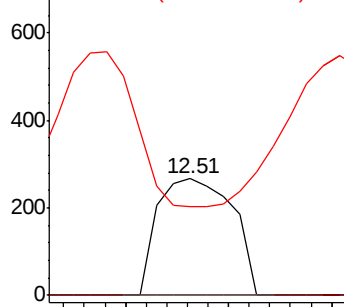
83 100

131 0.0 5.3 15.8#

85 350.4 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 27.250 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056408.D

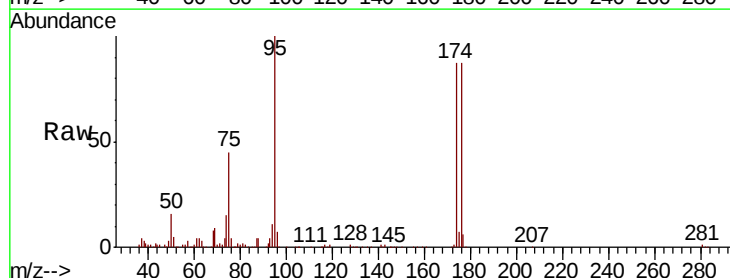
Acq: 20 Jun 2019 17:23

Tgt Ion: 75 Resp: 125728

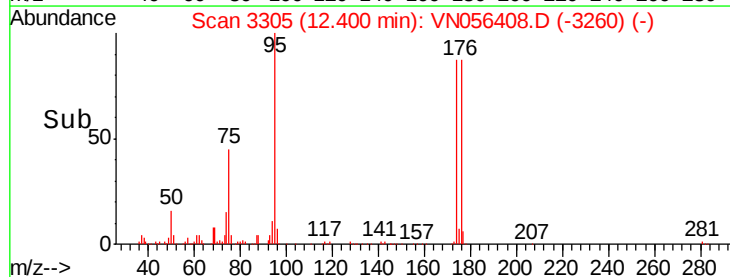
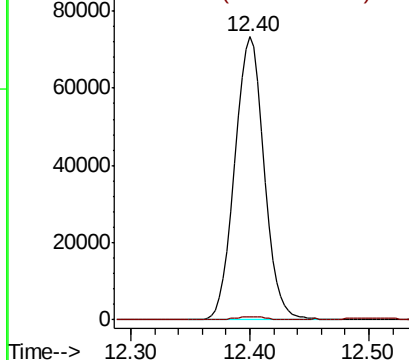
Ion Ratio Lower Upper

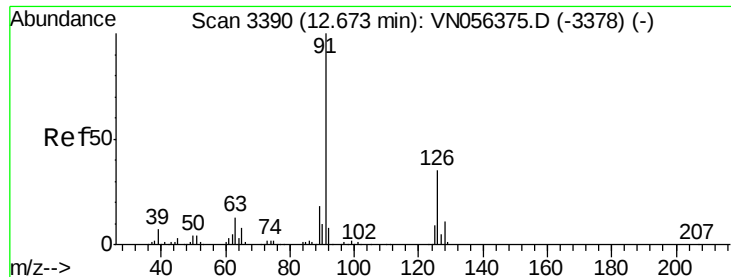
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

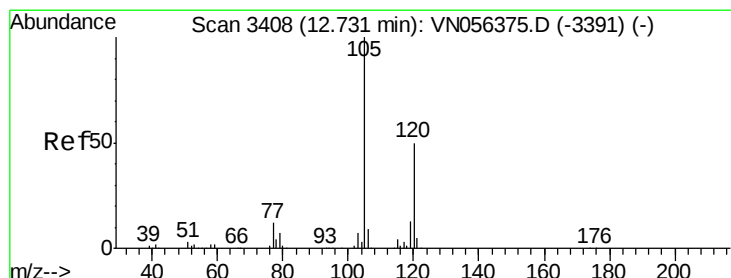
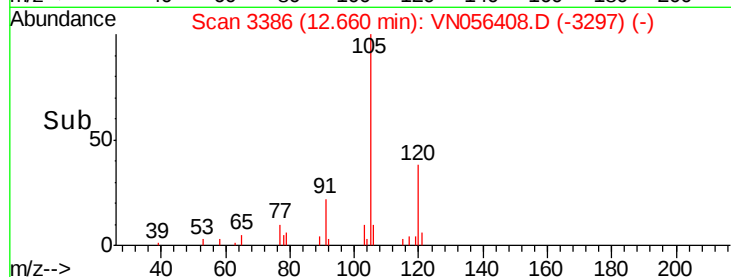
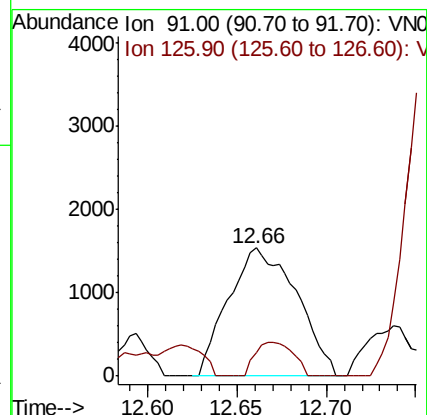
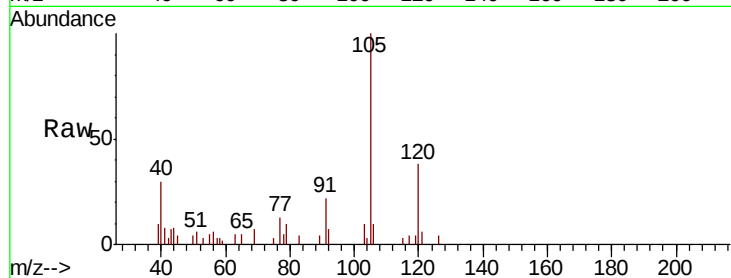
390619766-VOA

Tot Ion: 91 Resp: 4102

Ion Ratio Lower Upper

91 100

126 14.7 17.6 52.8#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056408.D

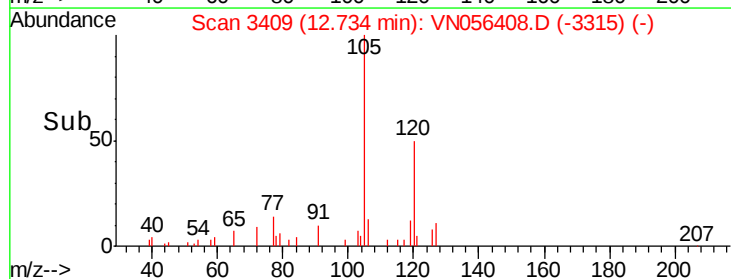
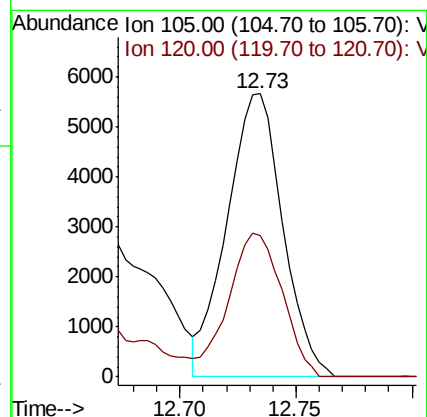
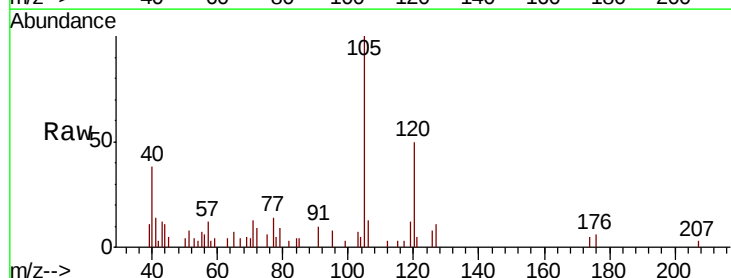
Acq: 20 Jun 2019 17:23

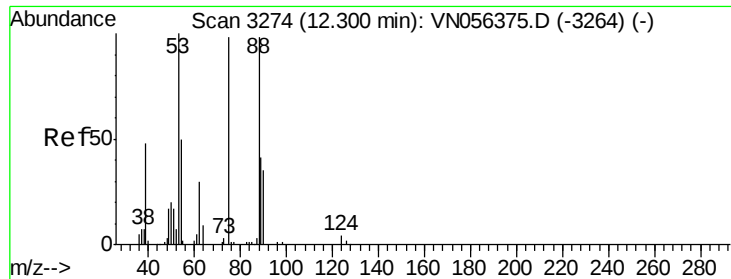
Tgt Ion: 105 Resp: 9483

Ion Ratio Lower Upper

105 100

120 48.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 96.850 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

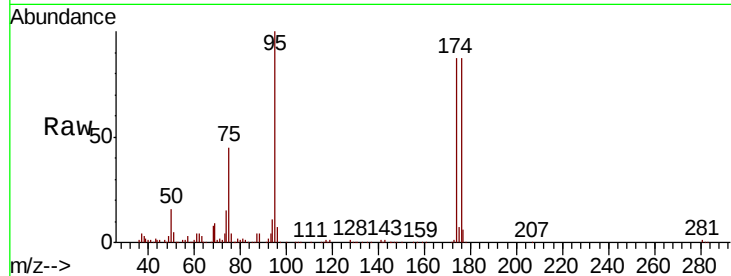
Tot Ion: 75 Resp: 125728

Ion Ratio Lower Upper

75 100

53 0.1 83.9 125.9#

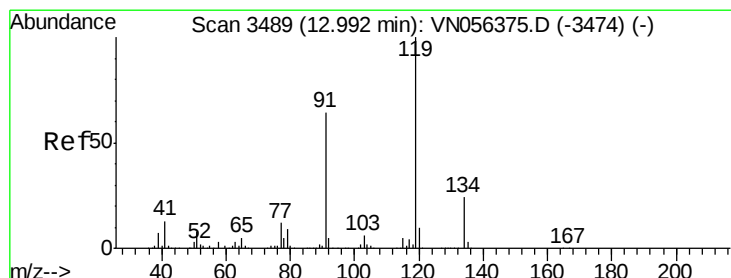
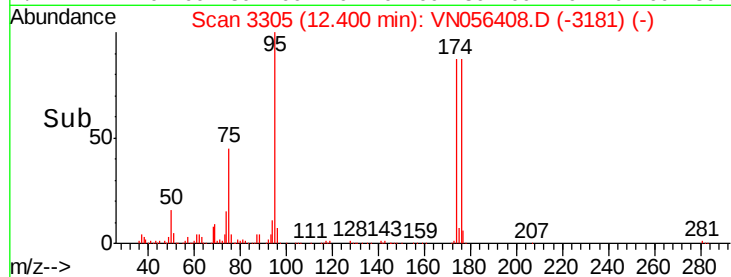
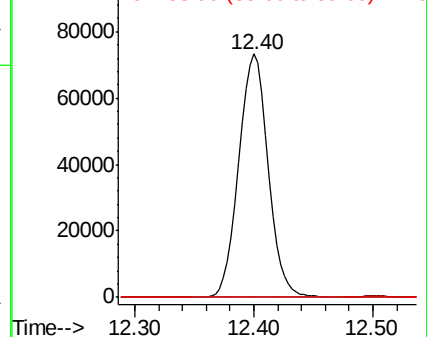
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056408.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN056408.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN056408.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.23 min Scan# 3564

Delta R.T. 0.24 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

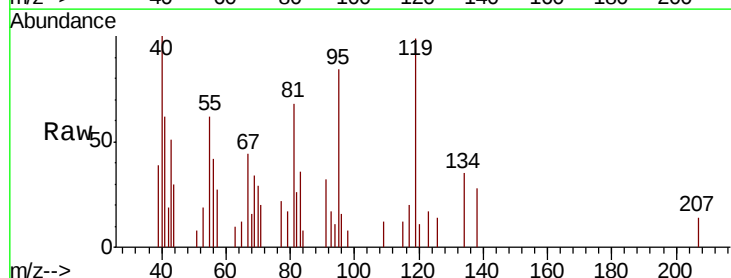
Tgt Ion: 119 Resp: 3284

Ion Ratio Lower Upper

119 100

91 42.7 31.6 94.7

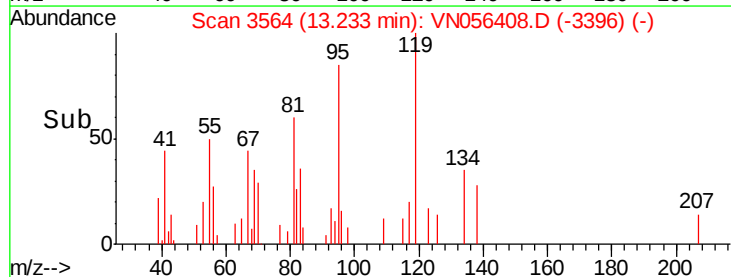
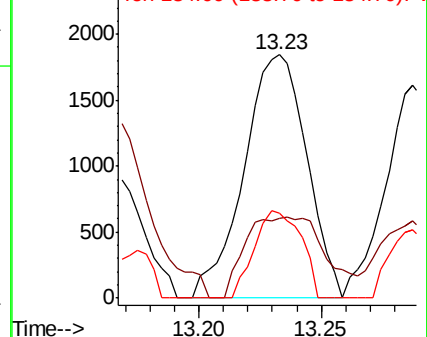
134 26.7 13.2 39.5

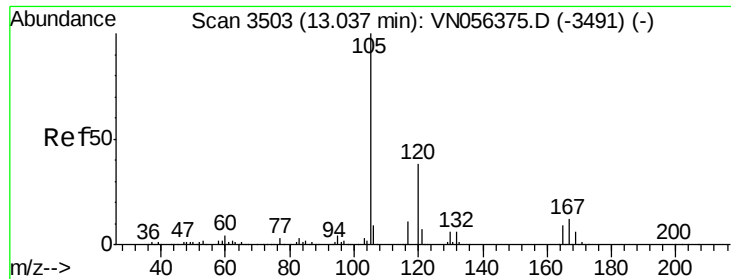


Abundance Ion 119.00 (118.70 to 119.70): VN056408.D (-3564) (-)

Ion 91.00 (90.70 to 91.70): VN056408.D (-3564) (-)

Ion 134.00 (133.70 to 134.70): VN056408.D (-3564) (-)

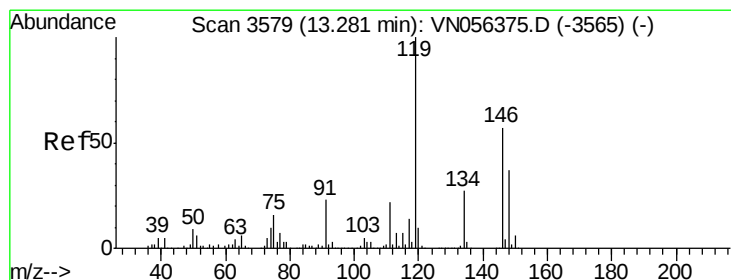
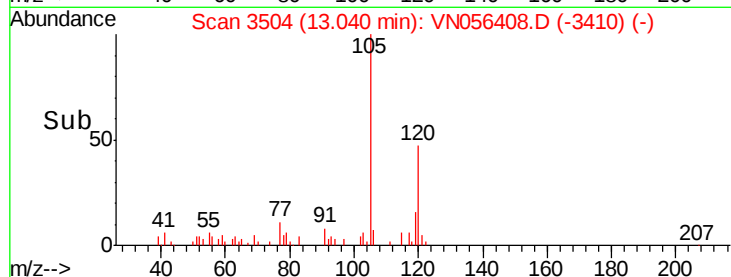
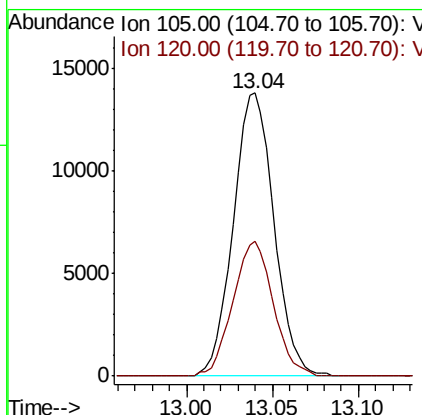
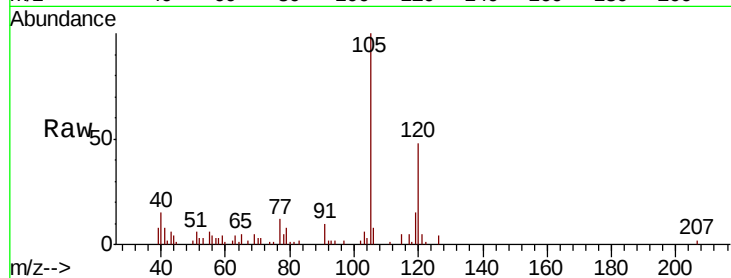




#84
 1,2,4-Trimethylbenzene
 Concen: 1.516 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

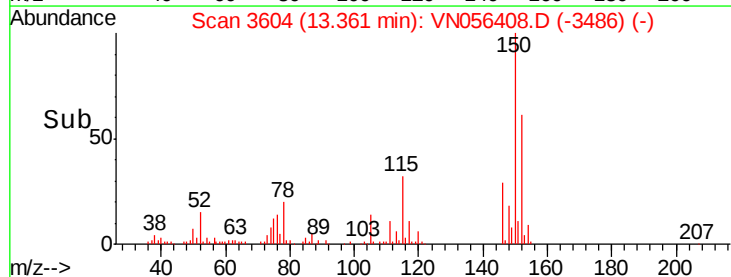
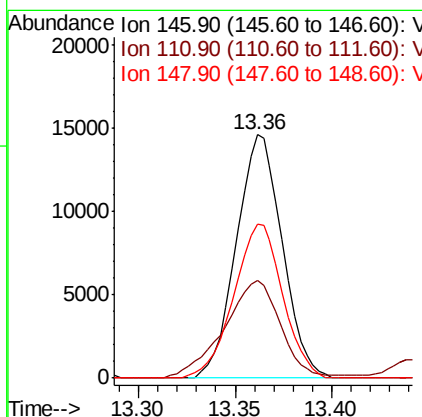
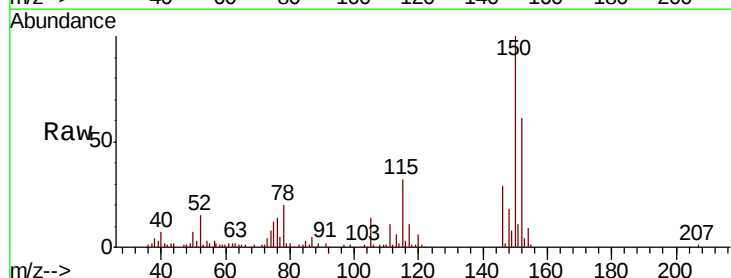
Instrument :
 MSVOA_N
 ClientSampleId :
 390619766-VOA

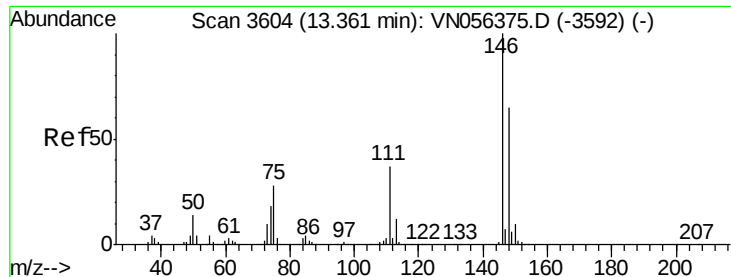
Tot Ion:105 Resp: 22714
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.9 68.8



#87
 1,3-Dichlorobenzene
 Concen: 3.194 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.08 min
 Lab File: VN056408.D
 Acq: 20 Jun 2019 17:23

Tgt Ion:146 Resp: 24081
 Ion Ratio Lower Upper
 146 100
 111 49.2 18.9 56.9
 148 67.2 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 3.298 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

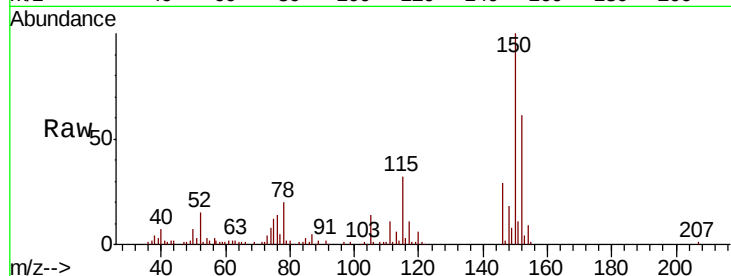
Tot Ion:146 Resp: 24081

Ion Ratio Lower Upper

146 100

111 49.2 18.4 55.4

148 67.2 32.4 97.0

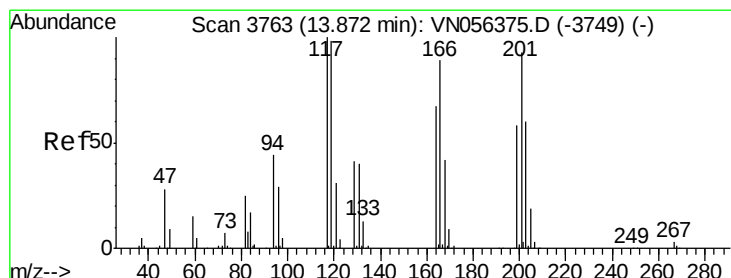
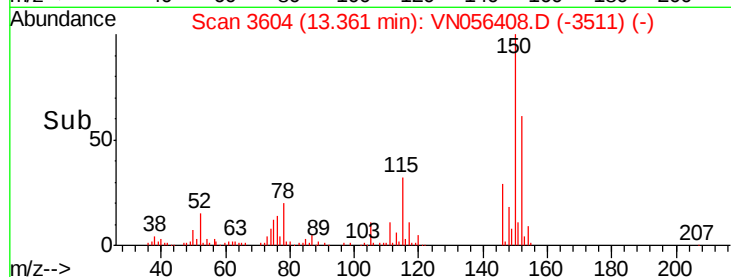
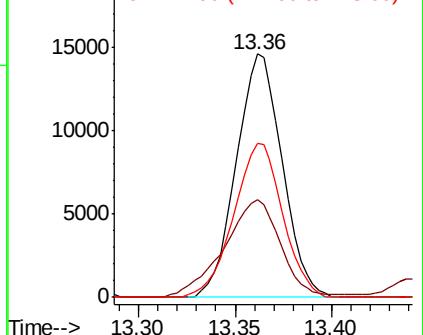


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.224 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.01 min

Lab File: VN056408.D

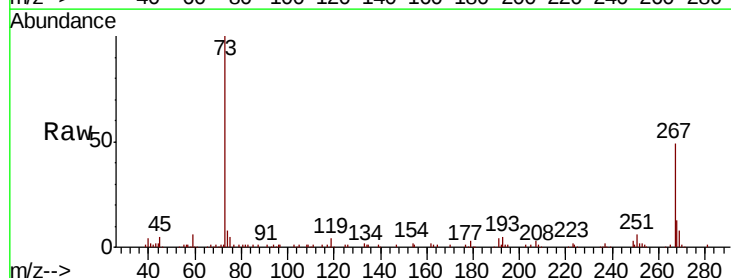
Acq: 20 Jun 2019 17:23

Tgt Ion:117 Resp: 536

Ion Ratio Lower Upper

117 100

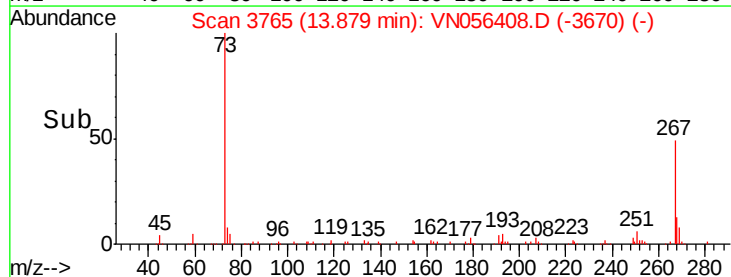
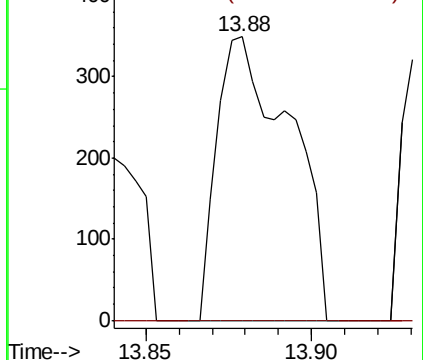
201 0.0 45.9 137.6#

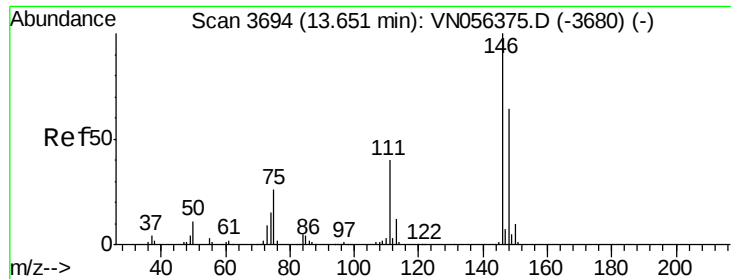


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.273 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

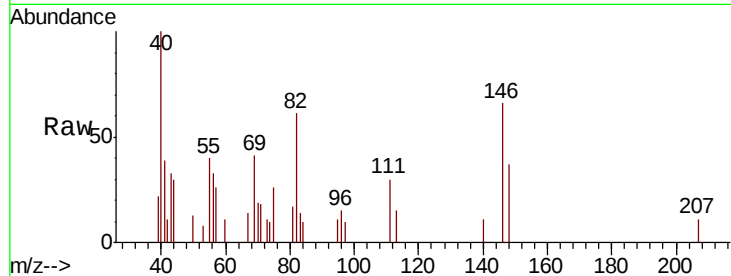
Tot Ion:146 Resp: 2043

Ion Ratio Lower Upper

146 100

111 49.3 19.3 57.9

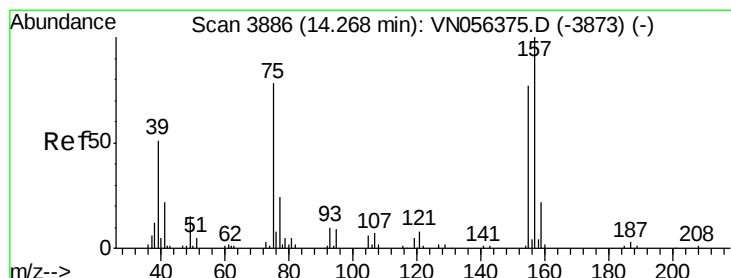
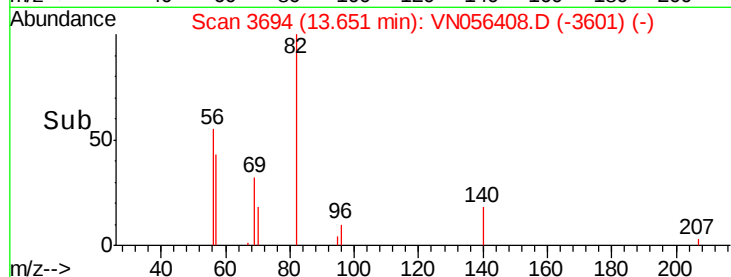
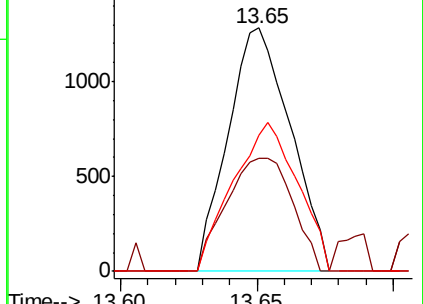
148 63.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.287 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

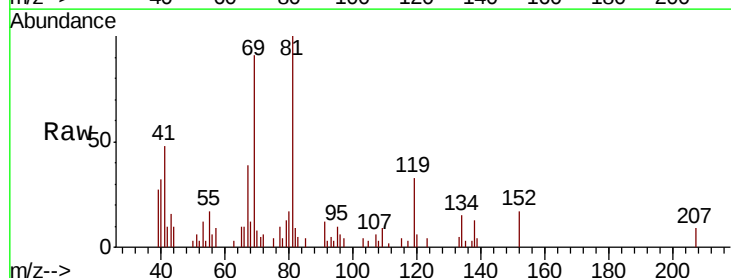
Tgt Ion: 75 Resp: 236

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.8#

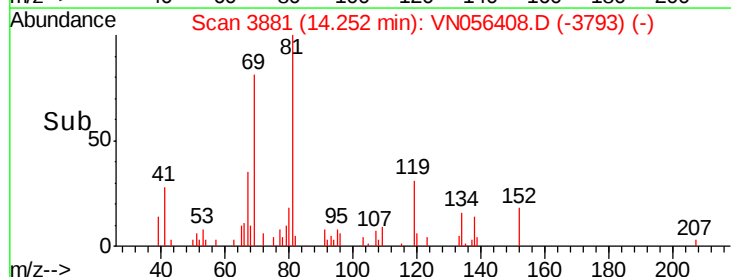
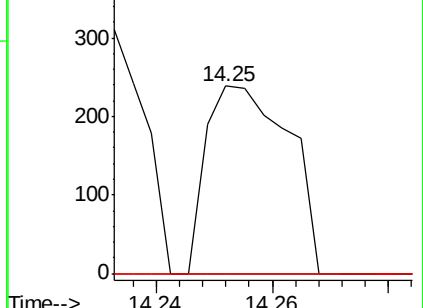
157 0.0 62.9 188.8#

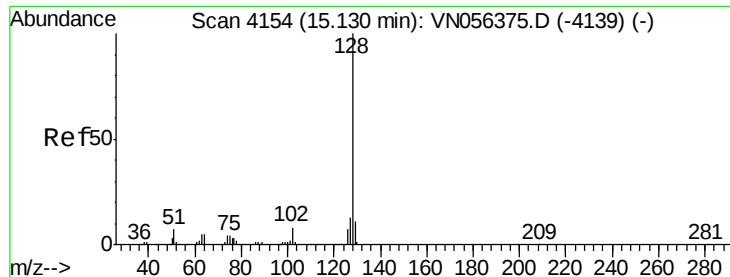


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 6.823 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056408.D

Acq: 20 Jun 2019 17:23

Instrument :

MSVOA_N

ClientSampleId :

390619766-VOA

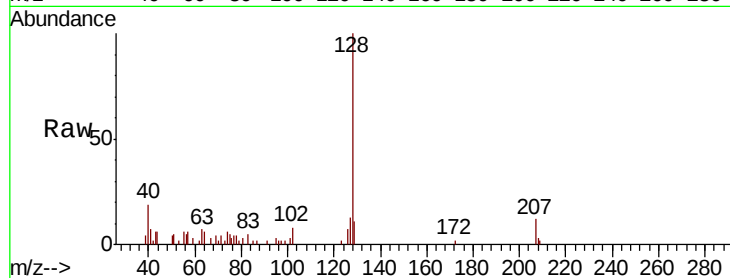
Tot Ion:128 Resp: 17957

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 10.5 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

