

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070419\
 Data File : VN056600.D
 Acq On : 3 Jul 2019 21:21
 Operator : JC/SP
 Sample : K3680-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Jul 03 22:53:11 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	281462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	479262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	162019	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	7.59	113	144572	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.09	98	605245	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.40	95	219721	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.02	85	241299	101.247	ug/l	98
3) Chloromethane	2.02	50	24393	7.517	ug/l #	42
4) Vinyl Chloride	2.02	62	7537	2.405	ug/l #	1
11) Tert butyl alcohol	4.74	59	358	0.681	ug/l #	74
14) Allyl chloride	4.08	41	3954	0.955	ug/l #	76
15) Acrylonitrile	5.03	53	948	0.652	ug/l #	31
16) Acetone	3.83	43	11156	7.138	ug/l	90
17) Carbon Disulfide	4.05	76	6231	1.102	ug/l	98
18) Methyl Acetate	4.33	43	4019	0.453	ug/l #	65
19) Methyl tert-butyl Ether	5.05	73	233586	28.391	ug/l	97
20) Methylene Chloride	4.55	84	59	Below Cal	#	51
25) 2-Butanone	6.86	43	597	0.289	ug/l #	49
29) Tetrahydrofuran	7.23	42	6119	4.841	ug/l	97
31) Cyclohexane	7.66	56	5331	1.107	ug/l #	3
36) 1,1-Dichloropropene	7.66	75	18390	4.360	ug/l #	44
38) Carbon Tetrachloride	7.66	117	25183	6.827	ug/l #	14
40) Benzene	8.04	78	6807	0.525	ug/l	97
41) Methacrylonitrile	7.23	41	4435	2.423	ug/l #	28
51) 4-Methyl-2-Pentanone	9.98	43	876	0.212	ug/l #	35
52) Toluene	10.16	92	7948	1.002	ug/l	94
67) Ethyl Benzene	11.51	91	11701	0.678	ug/l	94
68) m/p-Xylenes	11.62	106	7160	1.131	ug/l	98
69) o-Xylene	11.95	106	3829	0.612	ug/l	91
70) Styrene	11.96	104	6285	0.628	ug/l	94
71) Bromoform	12.40	173	1648	3.719	ug/l #	1
73) Isopropylbenzene	12.25	105	1460	Below Cal		92
76) 1,2,3-Trichloropropane	12.40	75	102338	25.617	ug/l #	100
79) 2-Chlorotoluene	12.66	91	718	Below Cal	#	40
80) 1,3,5-Trimethylbenzene	12.73	105	2400	Below Cal		89
81) trans-1,4-Dichloro-2-buten	12.40	75	102338	91.047	ug/l #	8
83) tert-Butylbenzene	12.99	119	138	Below Cal	#	47
84) 1,2,4-Trimethylbenzene	13.04	105	6094	0.470	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	494	5.744	ug/l #	72
94) Hexachlorobutadiene	15.01	225	64	Below Cal	#	18

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Quant Time: Jul 03 22:53:11 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

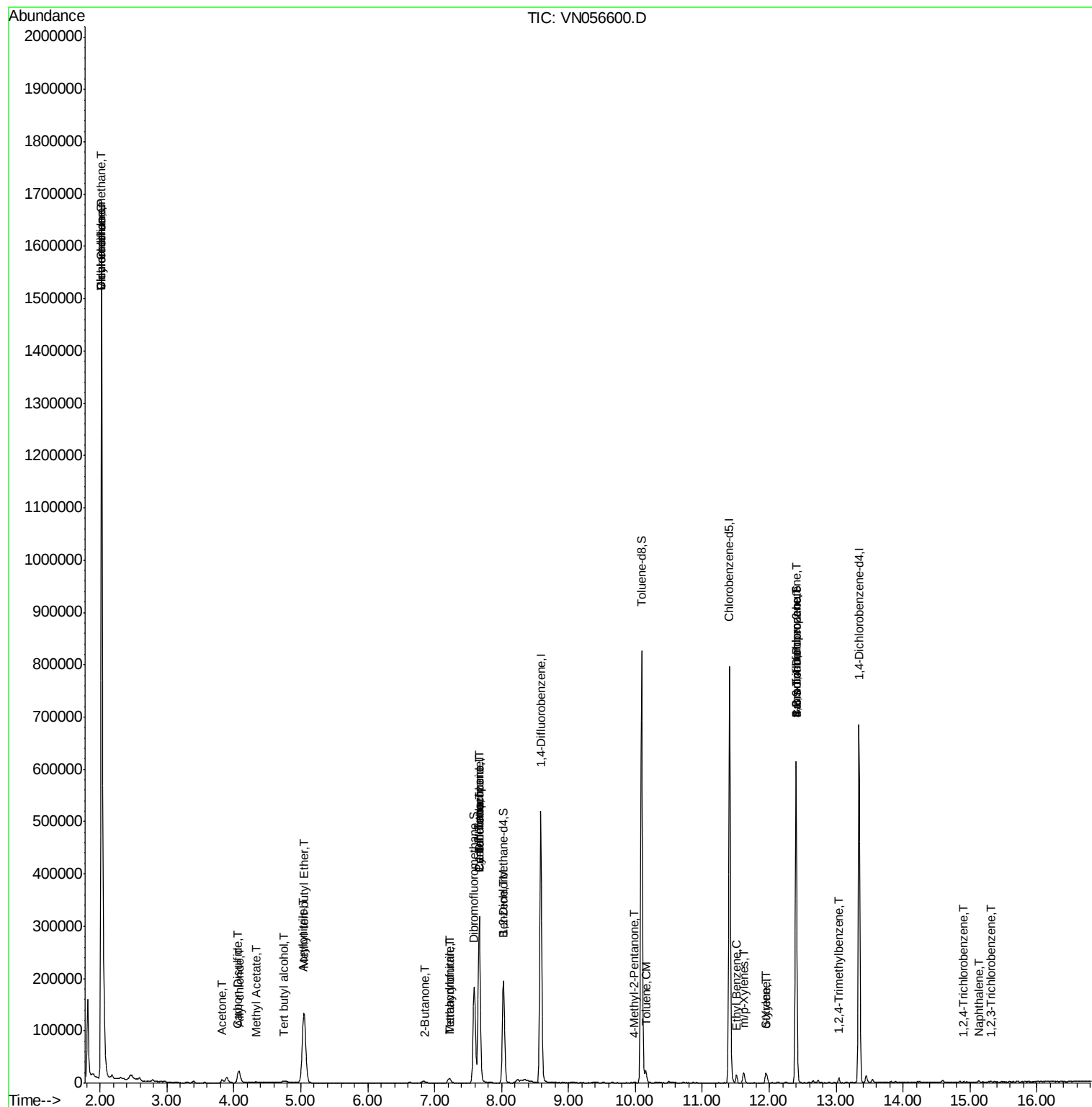
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	3011	5.550	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.32	180	590	4.635	ug/l	92

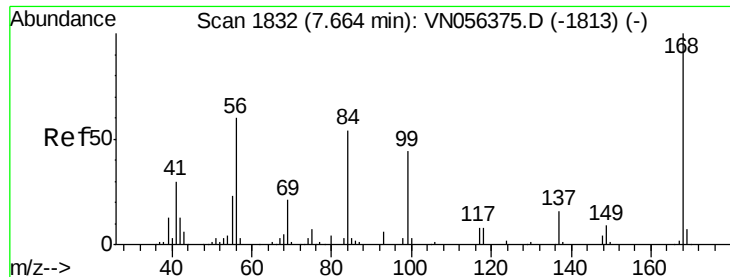
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

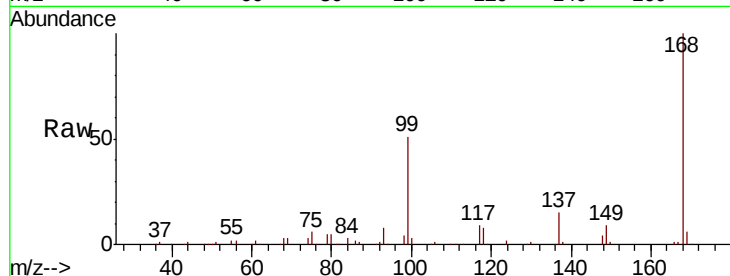
MW-8

Tot Ion:168 Resp: 281462

Ion Ratio Lower Upper

168 100

99 50.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

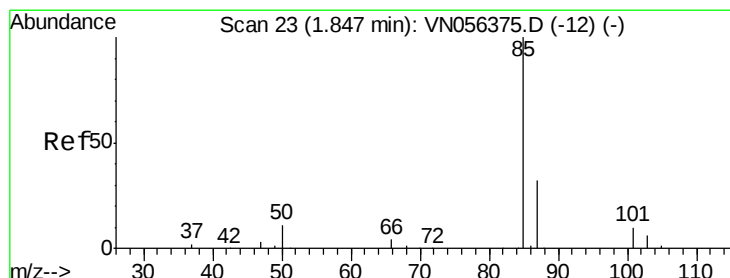
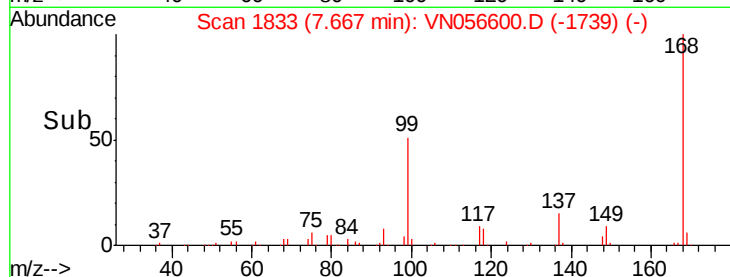
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 101.247 ug/l

RT: 2.02 min Scan# 78

Delta R.T. 0.18 min

Lab File: VN056600.D

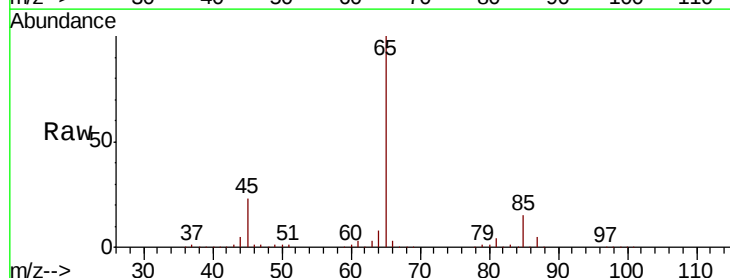
Acq: 3 Jul 2019 21:21

Tgt Ion: 85 Resp: 241299

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VN

2.02

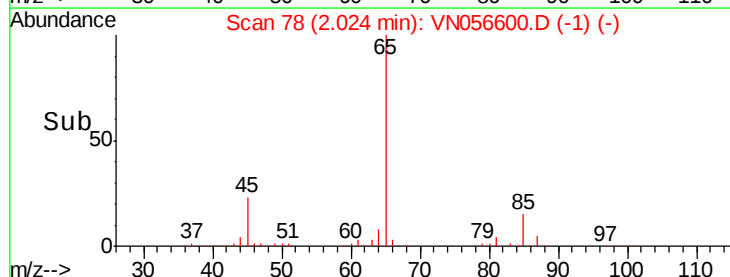
150000

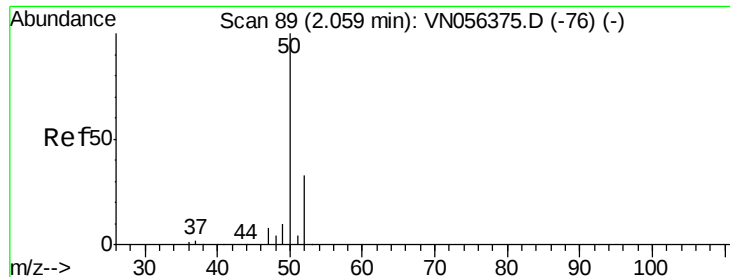
100000

50000

0

Time-->





#3

Chloromethane

Concen: 7.517 ug/l

RT: 2.02 min Scan# 78

Delta R.T. -0.04 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampleId :

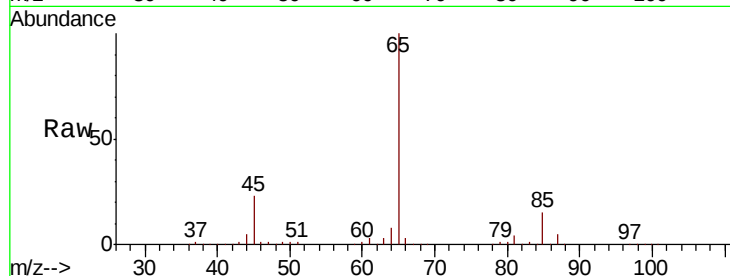
MW-8

Tot Ion: 50 Resp: 24393

Ion Ratio Lower Upper

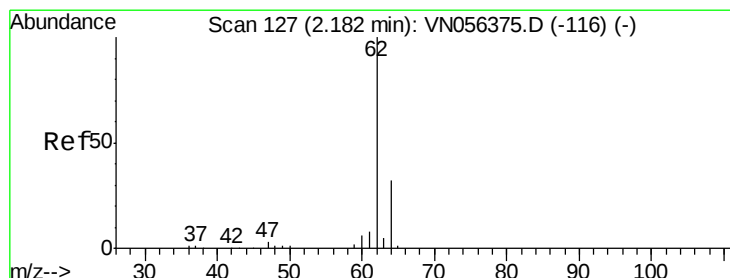
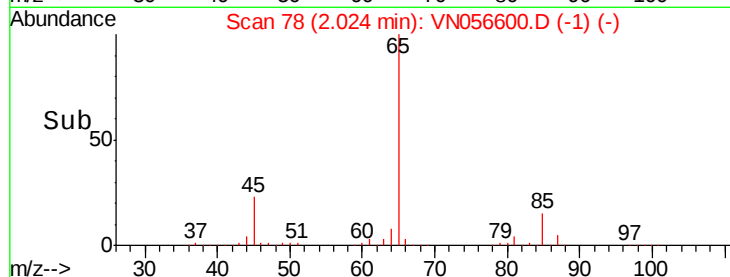
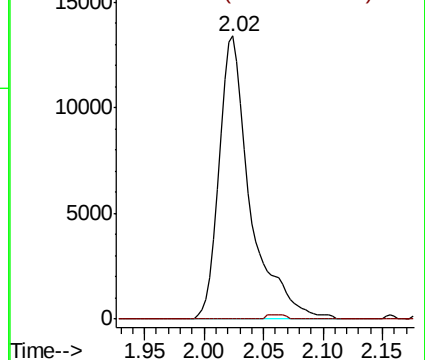
50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 2.405 ug/l

RT: 2.02 min Scan# 77

Delta R.T. -0.16 min

Lab File: VN056600.D

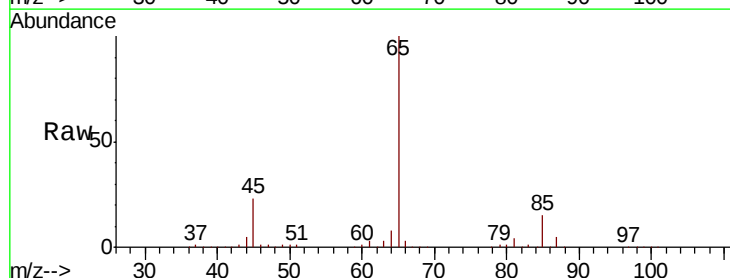
Acq: 3 Jul 2019 21:21

Tgt Ion: 62 Resp: 7537

Ion Ratio Lower Upper

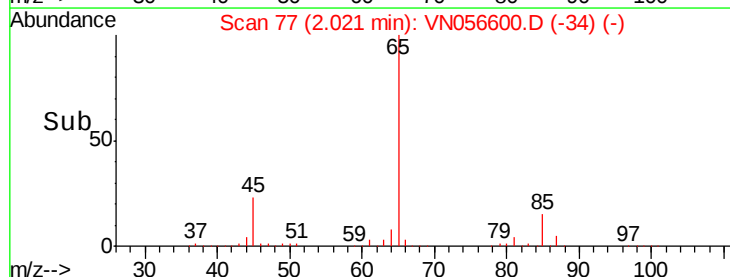
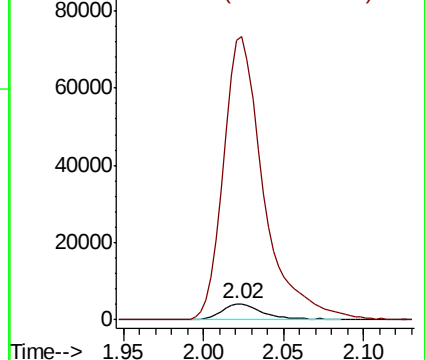
62 100

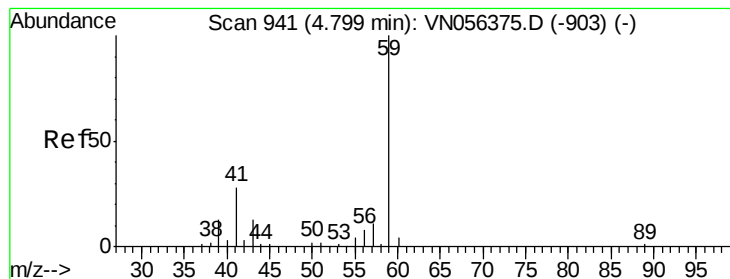
64 1727.6 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#11

Tert butyl alcohol

Concen: 0.681 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.05 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

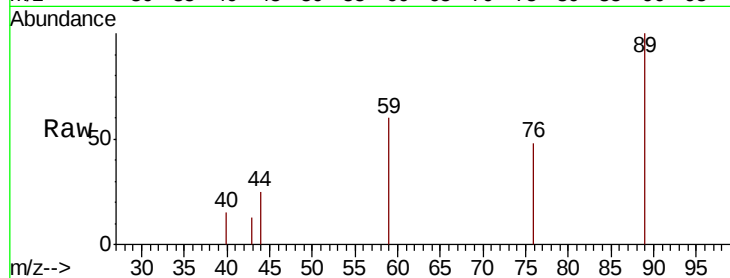
MW-8

Tot Ion: 59 Resp: 358

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

800

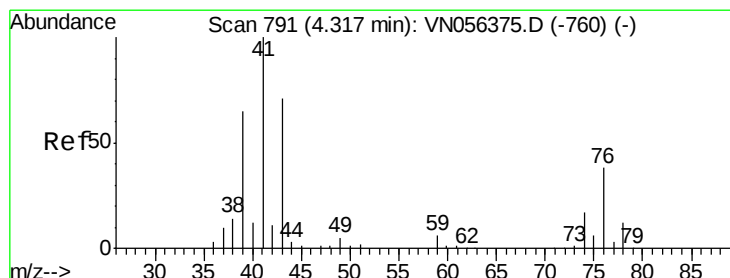
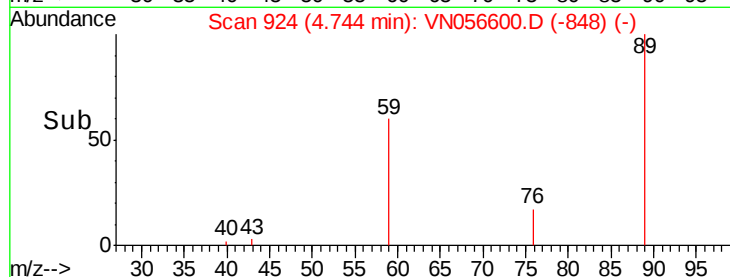
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 0.955 ug/l

RT: 4.08 min Scan# 717

Delta R.T. -0.24 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

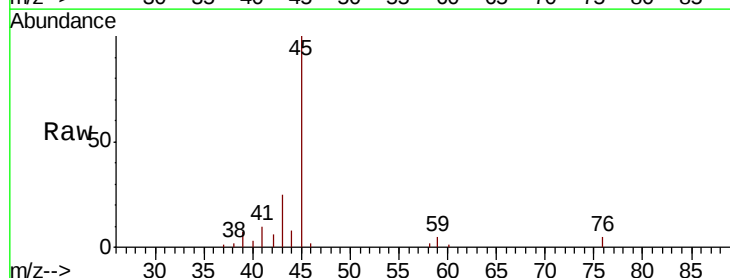
Tgt Ion: 41 Resp: 3954

Ion Ratio Lower Upper

41 100

39 64.7 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

3000

2500

2000

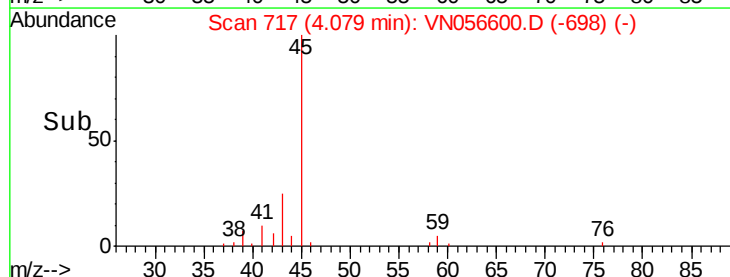
1500

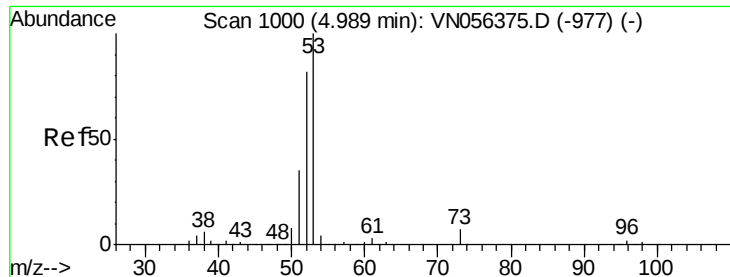
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 0.652 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.04 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

MW-8

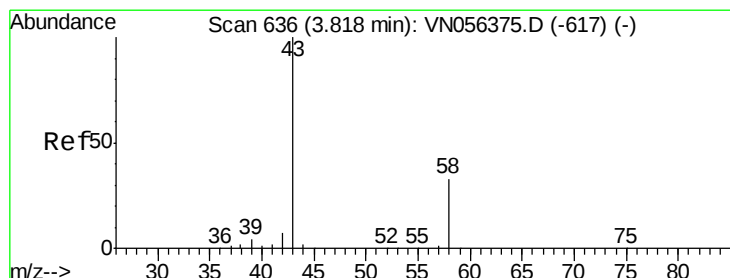
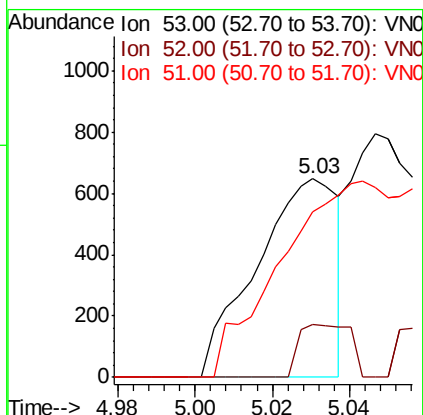
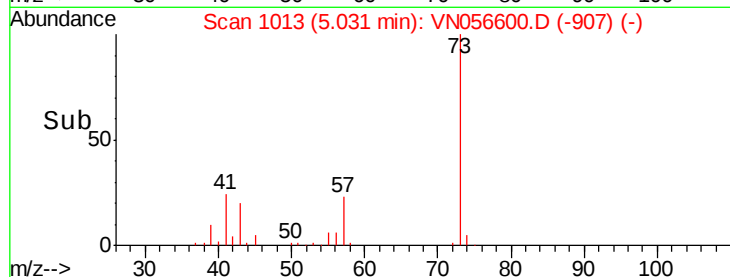
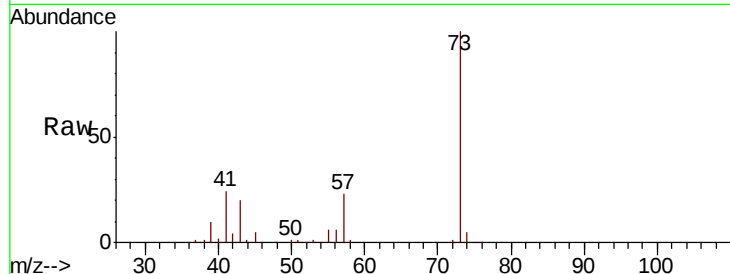
Tot Ion: 53 Resp: 948

Ion Ratio Lower Upper

53 100

52 16.8 65.9 98.9#

51 0.0 28.3 42.5#



#16

Acetone

Concen: 7.138 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056600.D

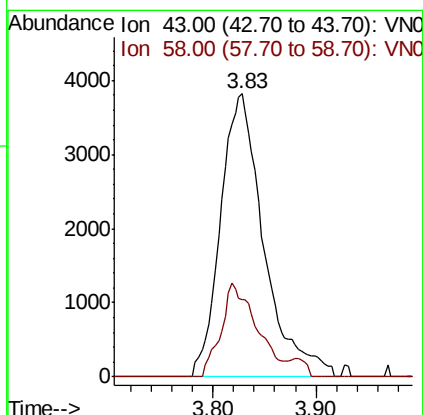
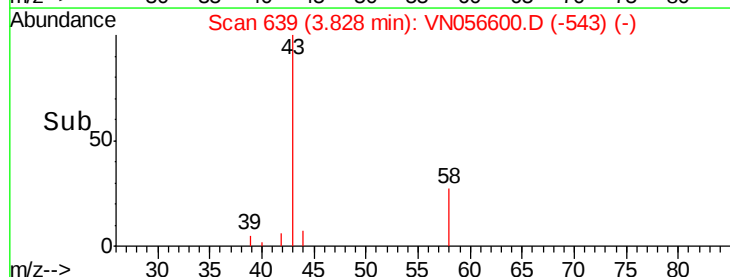
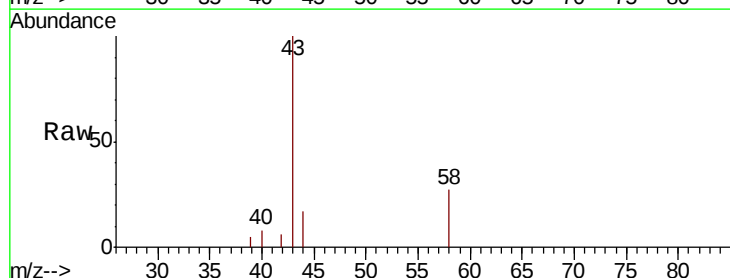
Acq: 3 Jul 2019 21:21

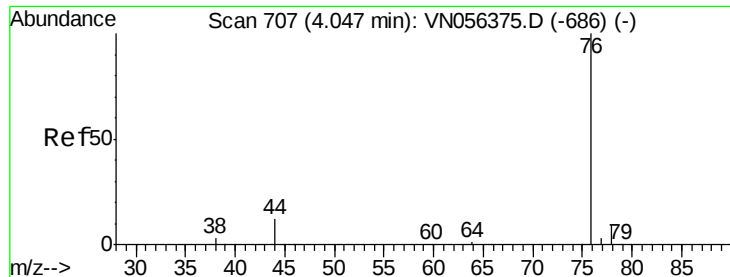
Tgt Ion: 43 Resp: 11156

Ion Ratio Lower Upper

43 100

58 27.2 26.4 39.6

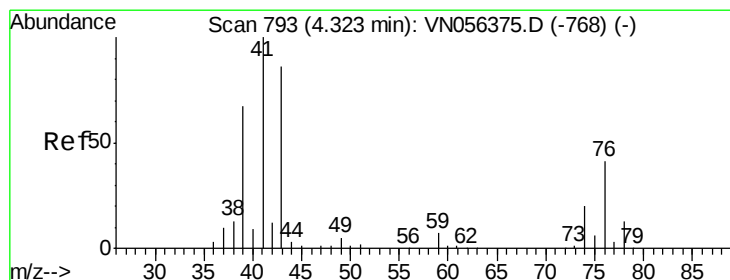
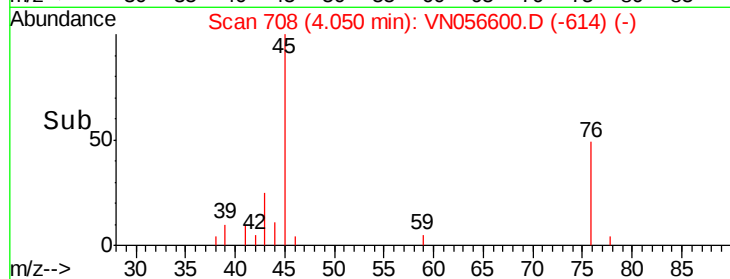
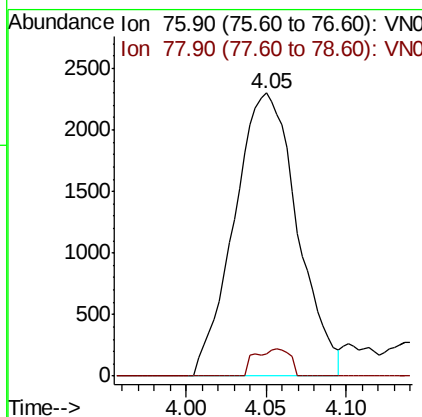
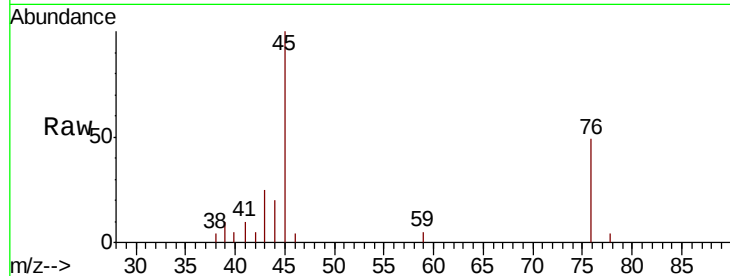




#17
Carbon Disulfide
Concen: 1.102 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

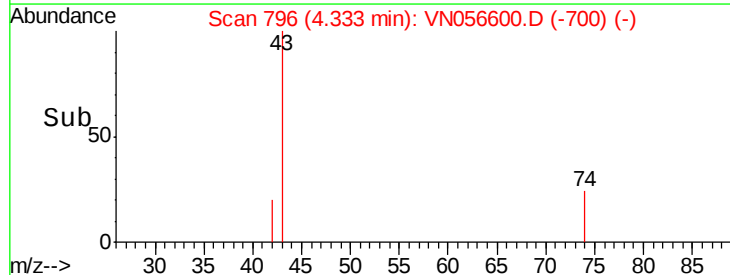
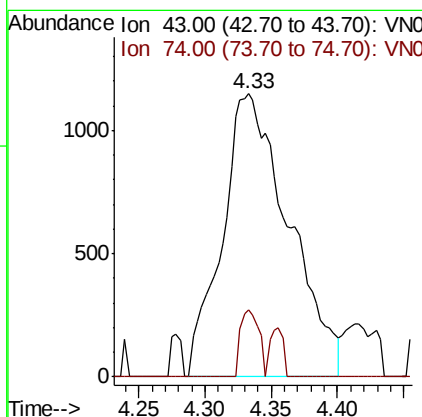
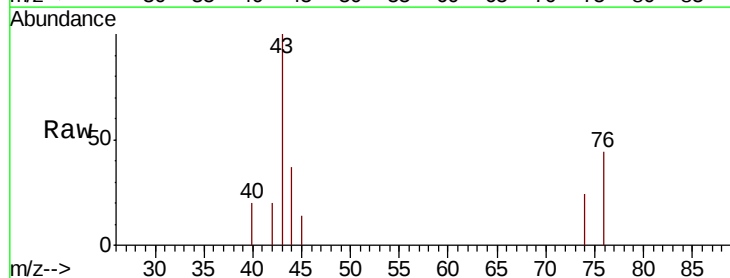
Instrument :
MSVOA_N
ClientSampled :
MW-8

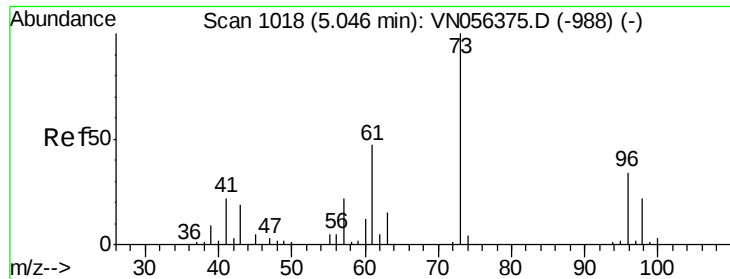
Tot Ion: 76 Resp: 6231
Ion Ratio Lower Upper
76 100
78 8.0 7.1 10.7



#18
Methyl Acetate
Concen: 0.453 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion: 43 Resp: 4019
Ion Ratio Lower Upper
43 100
74 6.5 19.2 28.8#

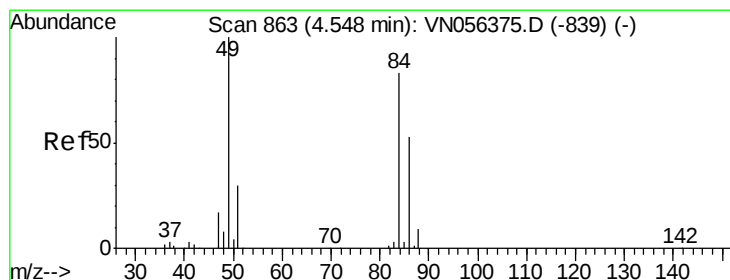
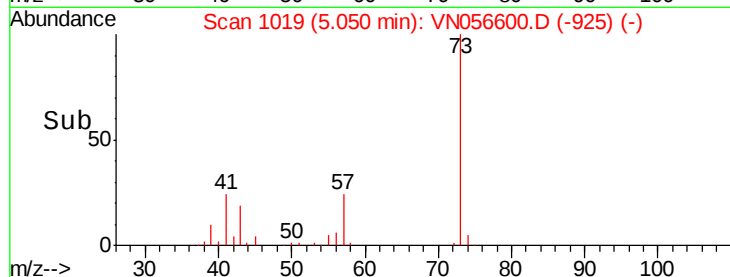
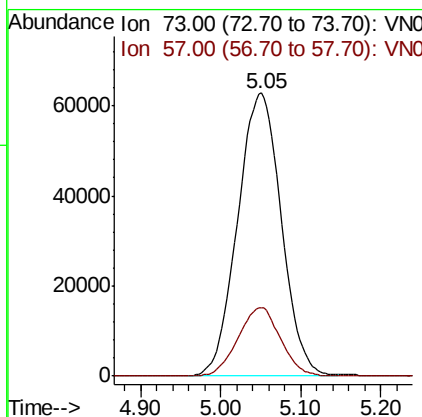
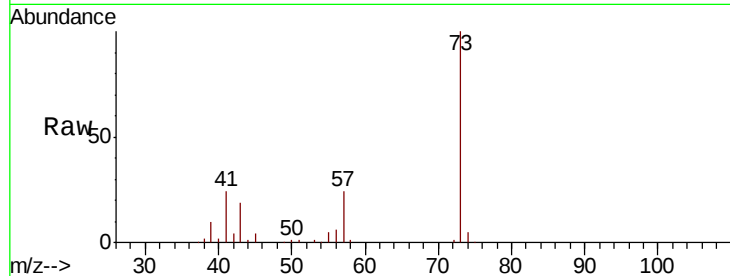




#19
Methvl tert-butvl Ether
Concen: 28.391 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

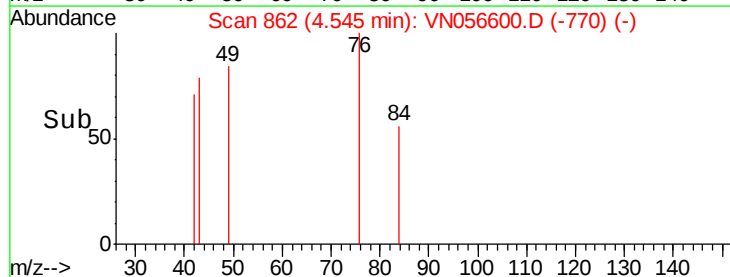
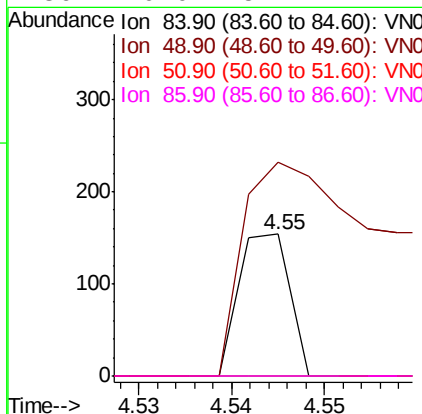
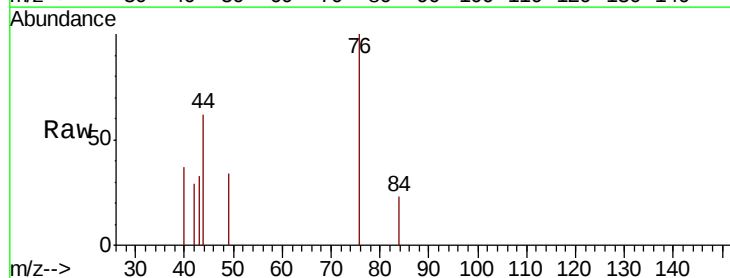
Instrument :
MSVOA_N
ClientSampled :
MW-8

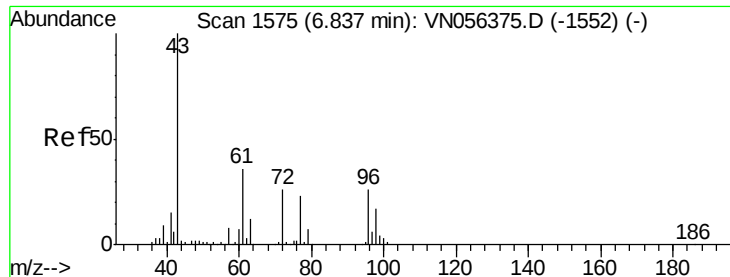
Tot Ion: 73 Resp: 233586
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion: 84 Resp: 59
Ion Ratio Lower Upper
84 100
49 150.6 96.4 144.6#
51 0.0 28.6 43.0#
86 0.0 51.4 77.2#





#25

2-Butanone

Concen: 0.289 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

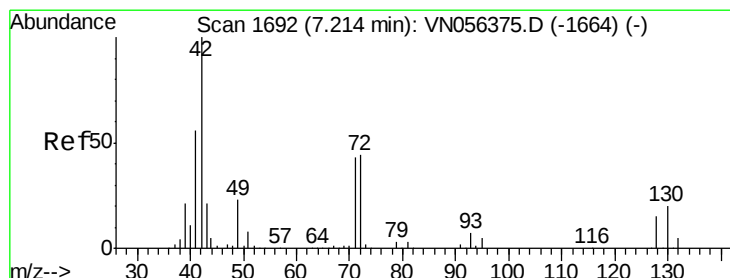
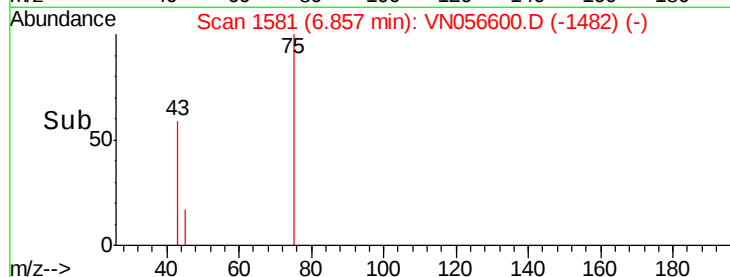
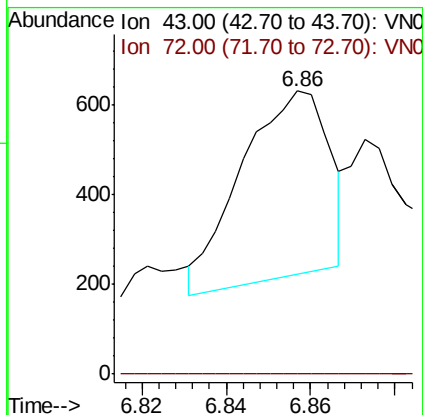
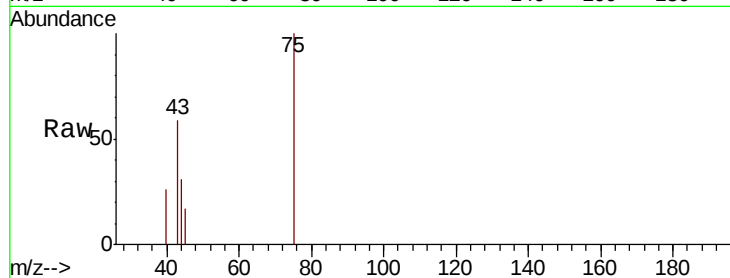
MW-8

Tot Ion: 43 Resp: 597

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#29

Tetrahydrofuran

Concen: 4.841 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

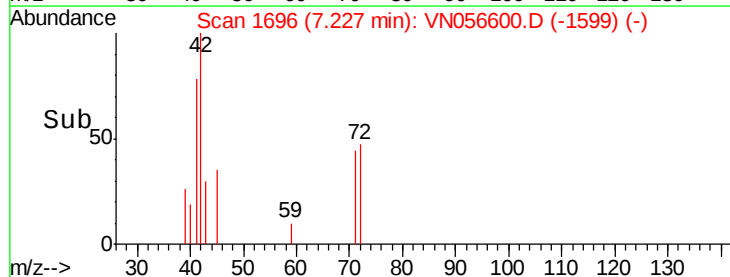
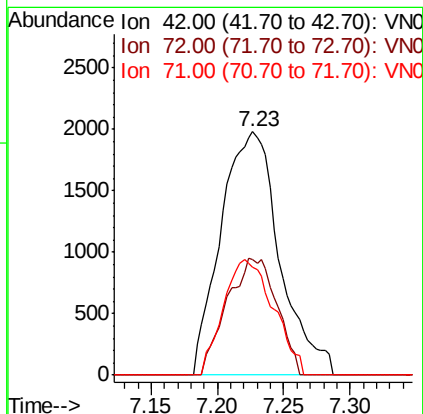
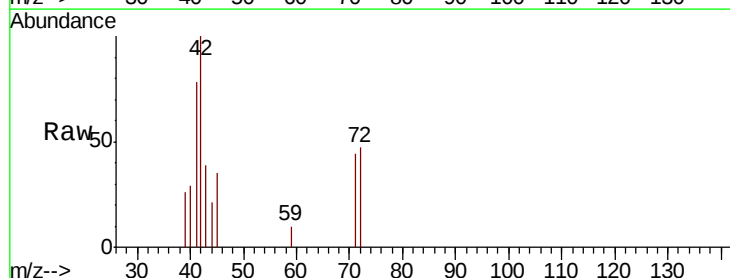
Tgt Ion: 42 Resp: 6119

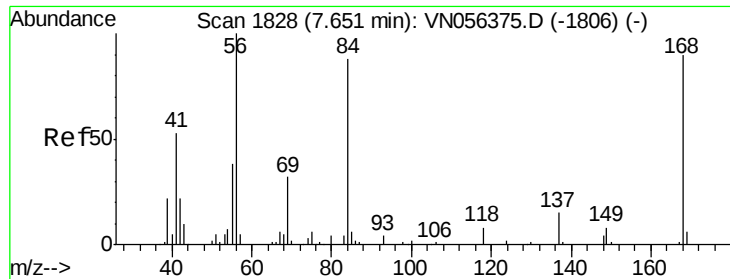
Ion Ratio Lower Upper

42 100

72 40.8 34.7 52.1

71 40.3 33.0 49.6

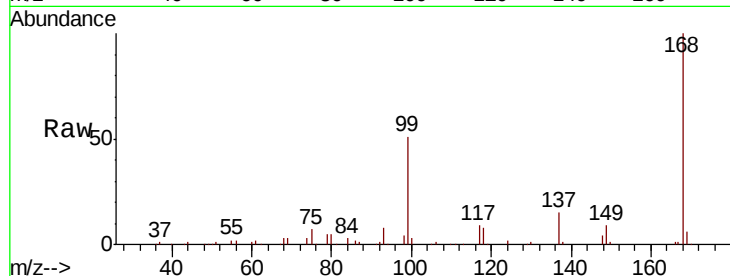




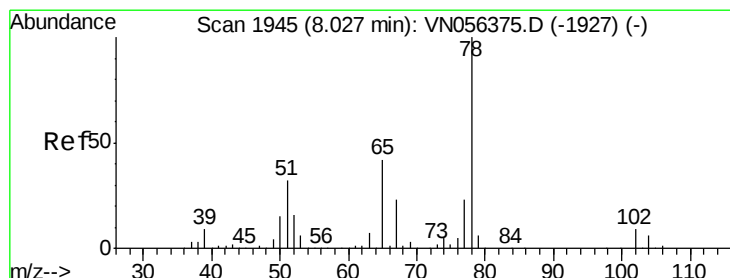
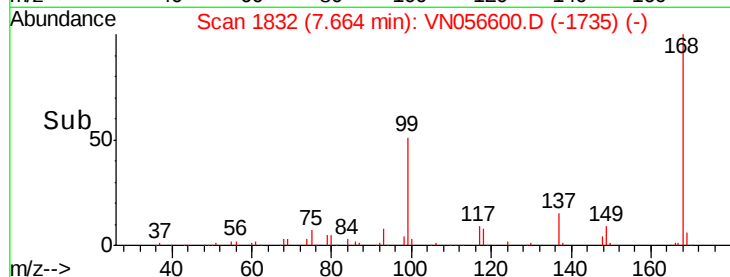
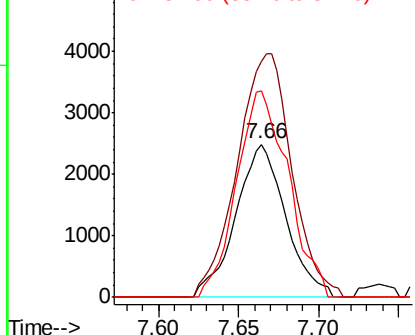
#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion: 56 Resp: 5331
Ion Ratio Lower Upper
56 100
69 153.9 25.8 38.6#
84 134.6 69.4 104.0#

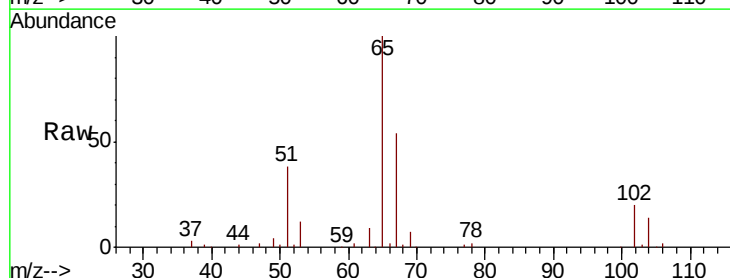


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

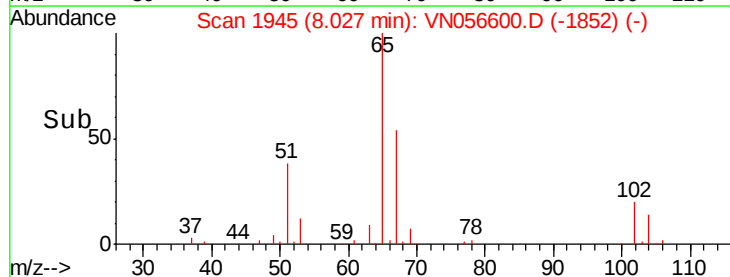
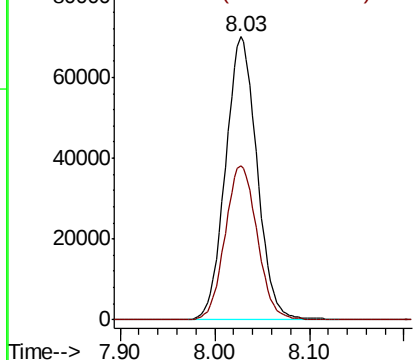


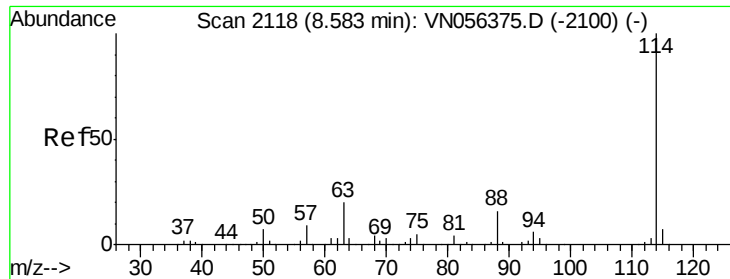
#33
1,2-Dichloroethane-d4
Concen: 51.938 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion: 65 Resp: 162019
Ion Ratio Lower Upper
65 100
67 55.5 0.0 109.0



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

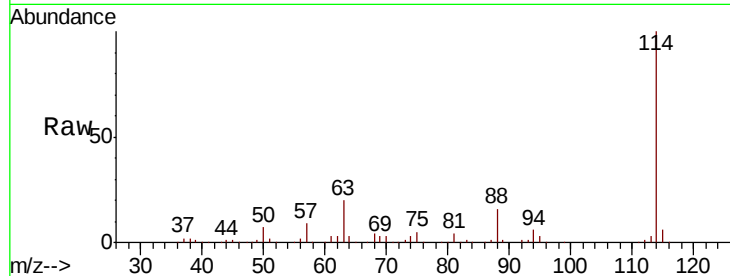




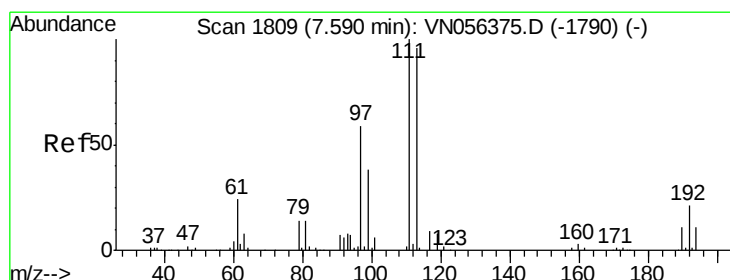
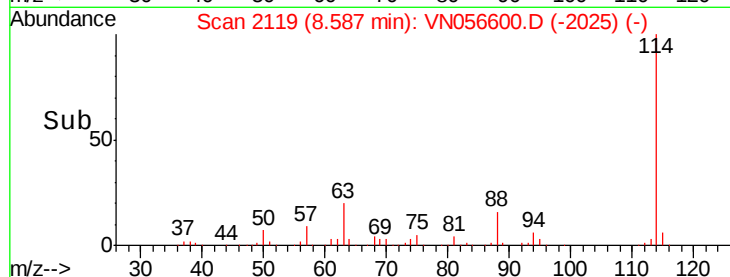
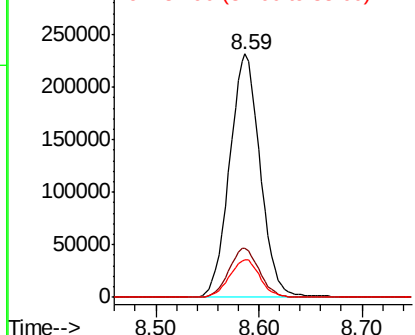
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Tot Ion:114 Resp: 479262
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.2
 88 15.7 0.0 31.4

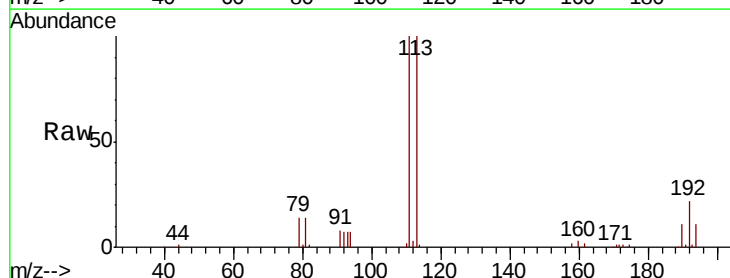


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

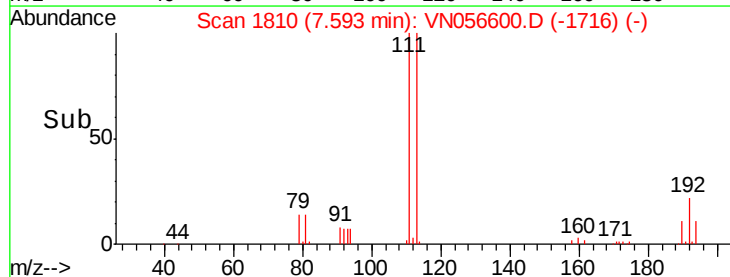
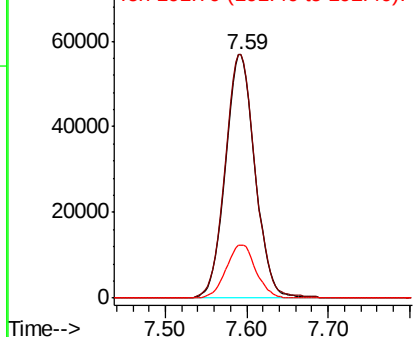


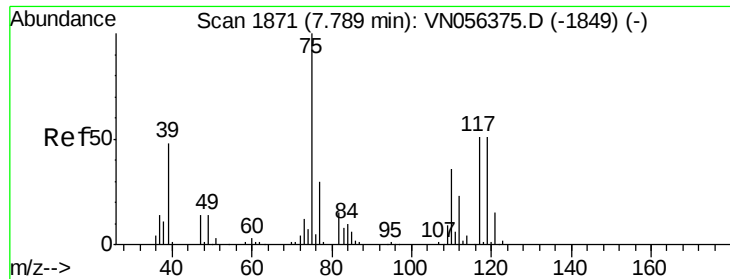
#35
 Dibromofluoromethane
 Concen: 48.355 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Tgt Ion:113 Resp: 144572
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.9 124.3
 192 22.0 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

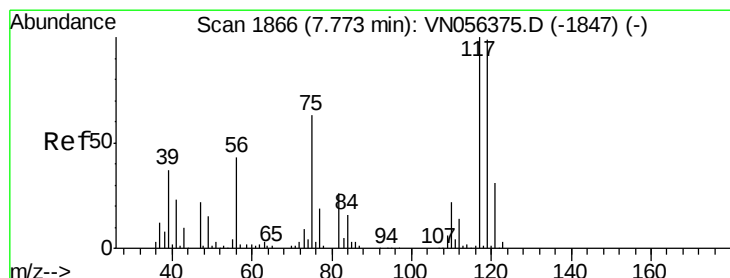
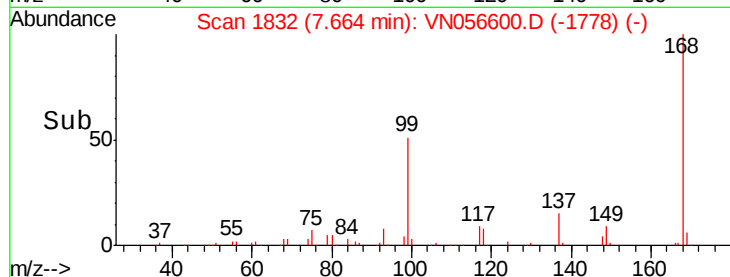
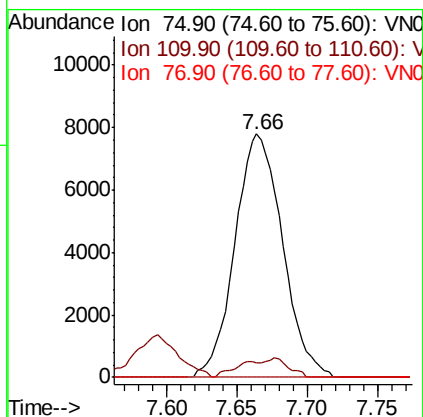
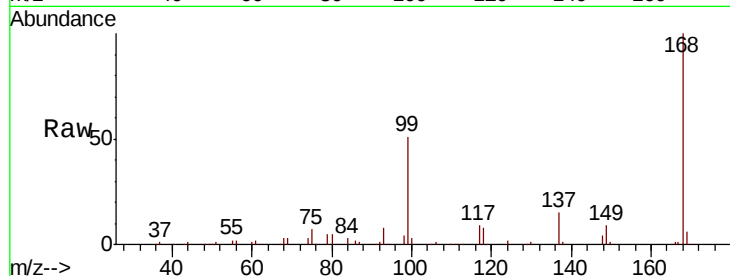




#36
 1,1-Dichloropropene
 Concen: 4.360 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

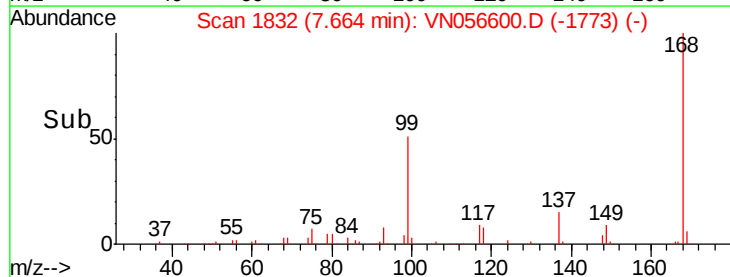
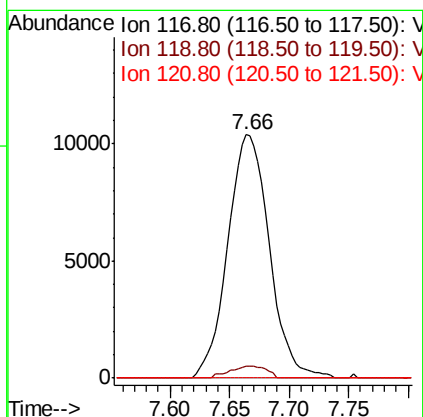
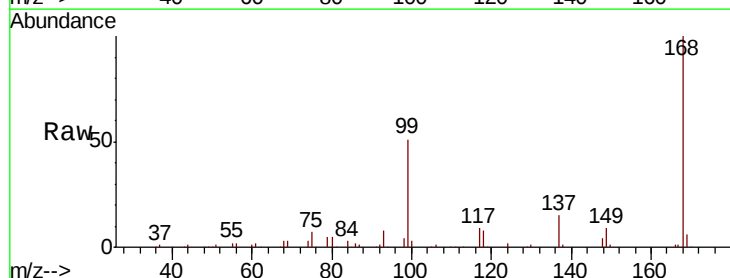
Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

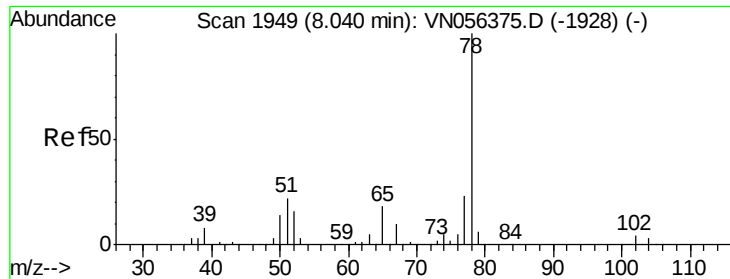
Tot Ion	75	Resp	18390
Ion Ratio	Lower	Upper	
75	100		
110	3.2	18.1	54.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.827 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Tgt Ion	117	Resp	25183
Ion Ratio	Lower	Upper	
117	100		
119	4.8	79.1	118.7#
121	0.0	24.8	37.2#





#40

Benzene

Concen: 0.525 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

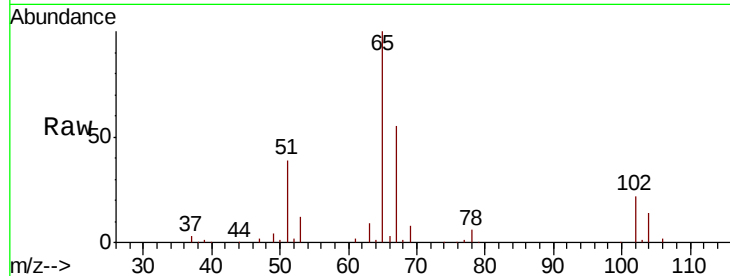
MW-8

Tot Ion: 78 Resp: 6807

Ion Ratio Lower Upper

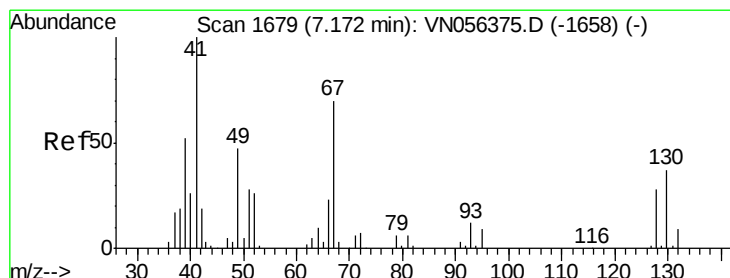
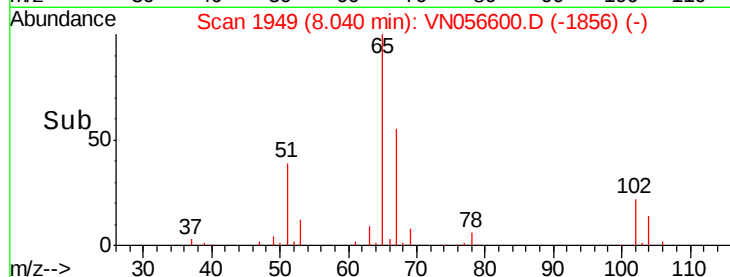
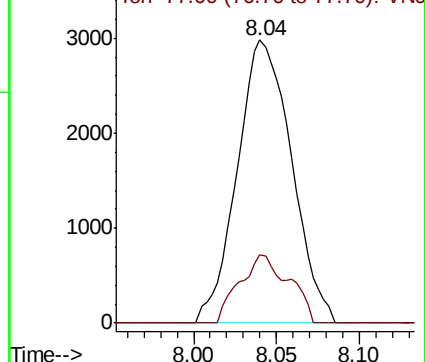
78 100

77 24.3 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 2.423 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.05 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Tgt Ion: 41 Resp: 4435

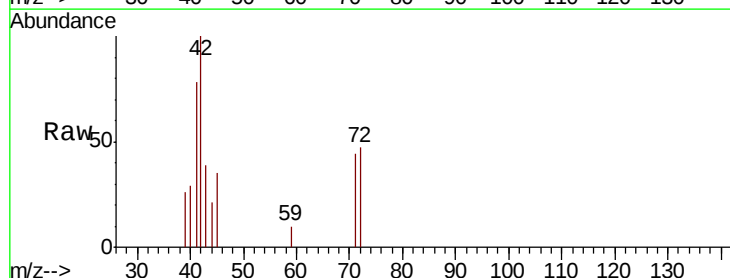
Ion Ratio Lower Upper

41 100

39 38.8 55.3 82.9#

67 0.0 79.2 118.8#

52 0.0 31.4 47.0#

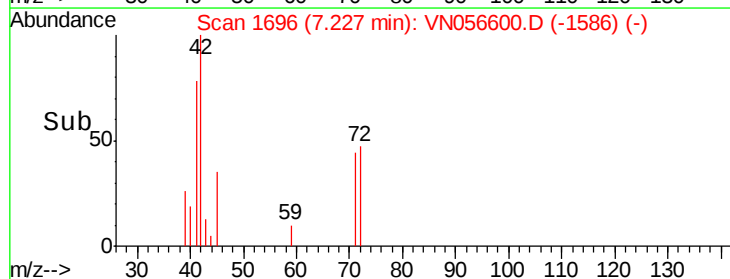
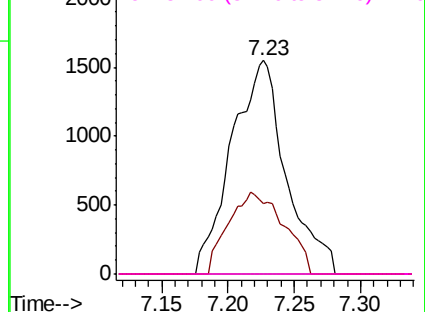


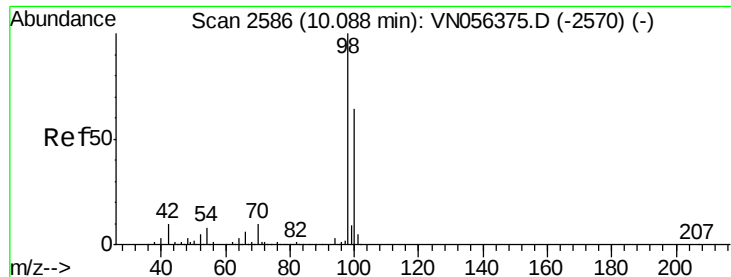
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

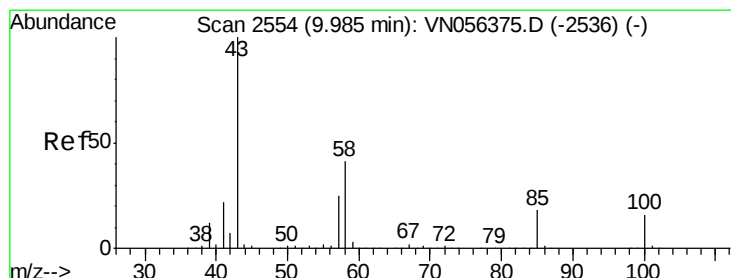
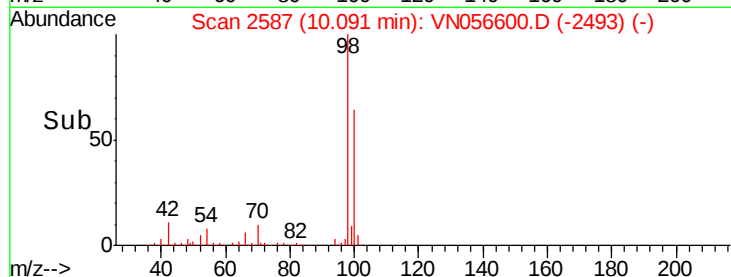
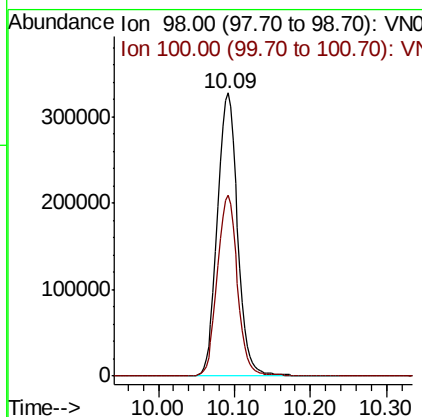
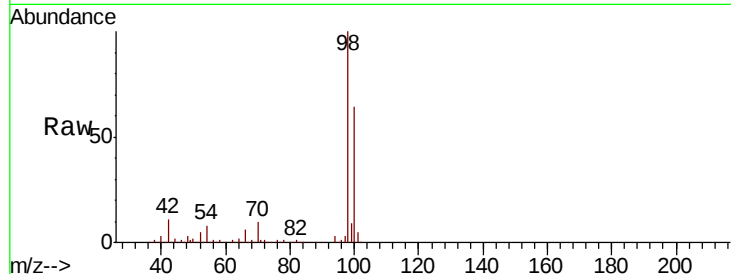




#50
Toluene-d8
Concen: 52.026 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

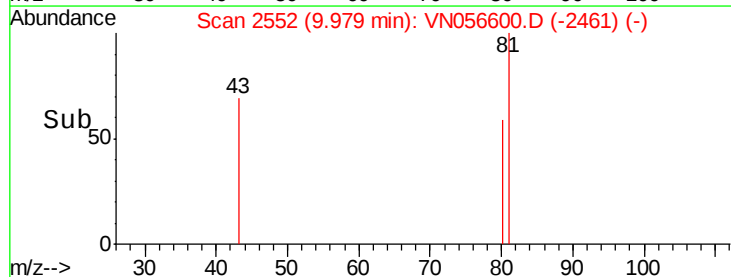
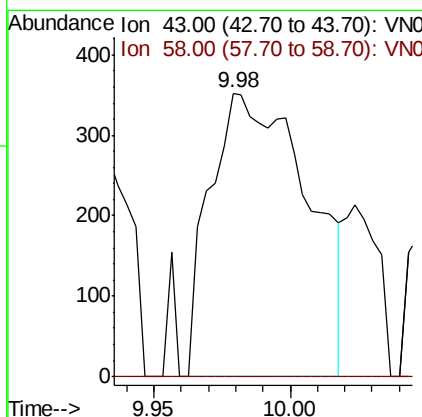
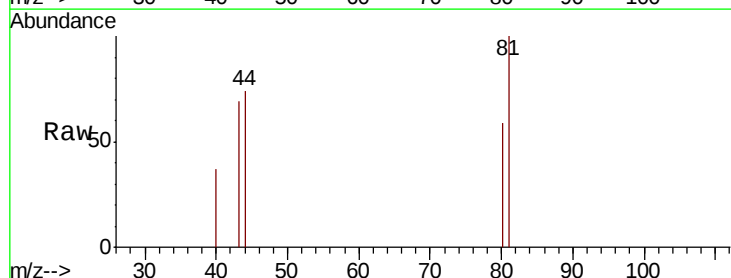
Instrument :
MSVOA_N
ClientSampled :
MW-8

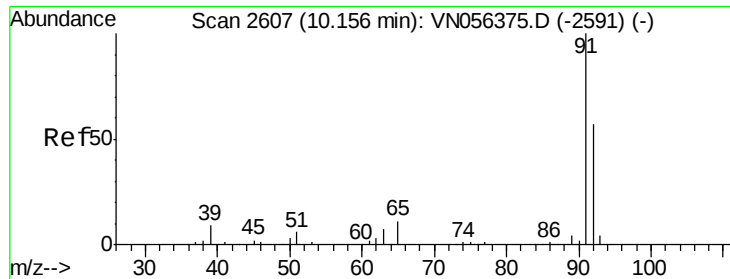
Tot Ion: 98 Resp: 605245
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.01 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#





#52

Toluene

Concen: 1.002 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

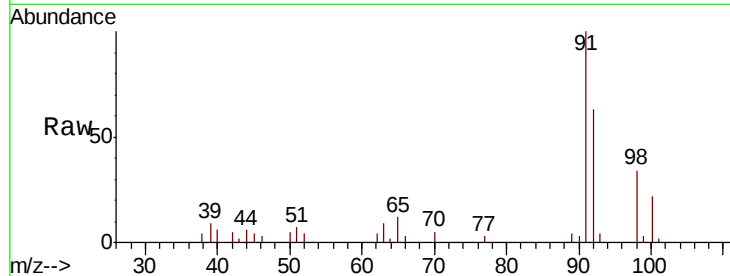
MW-8

Tot Ion: 92 Resp: 7948

Ion Ratio Lower Upper

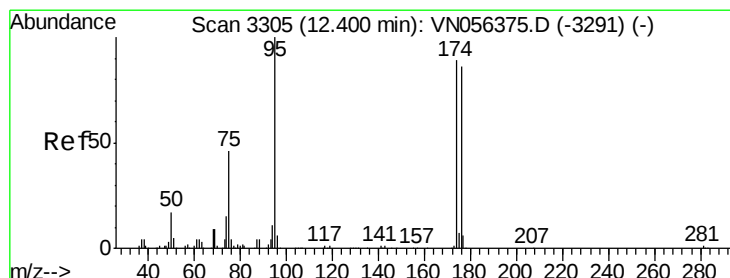
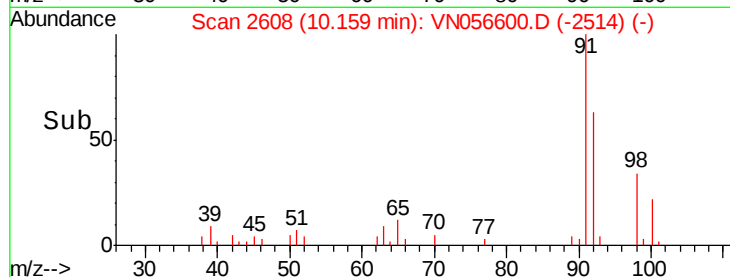
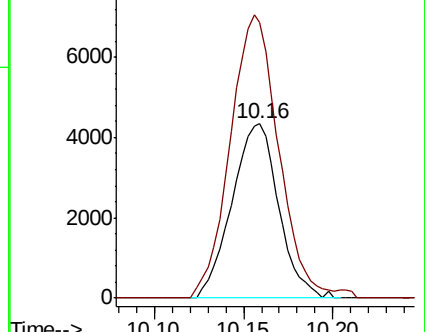
92 100

91 167.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 56.656 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

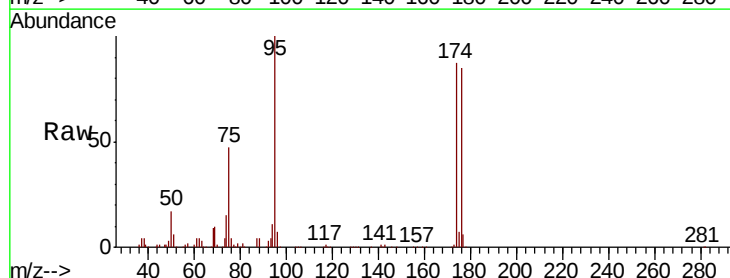
Tgt Ion: 95 Resp: 219721

Ion Ratio Lower Upper

95 100

174 88.1 0.0 179.4

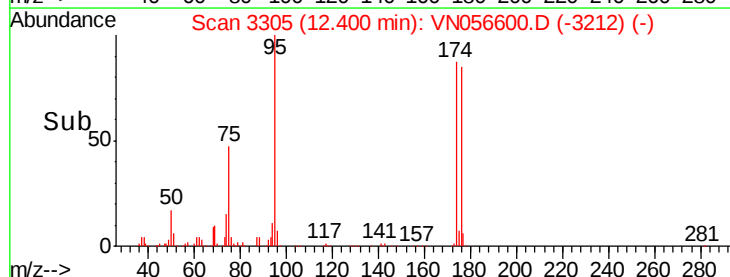
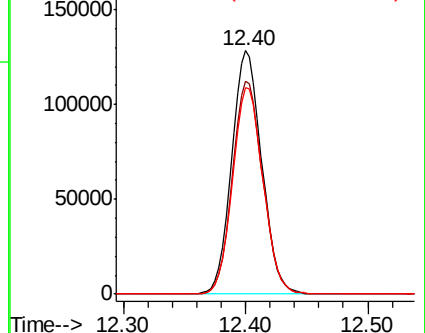
176 86.2 0.0 173.4

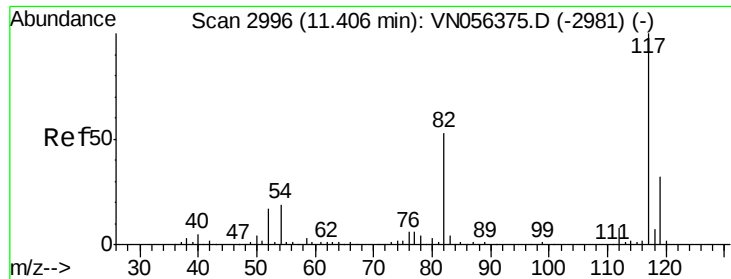


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

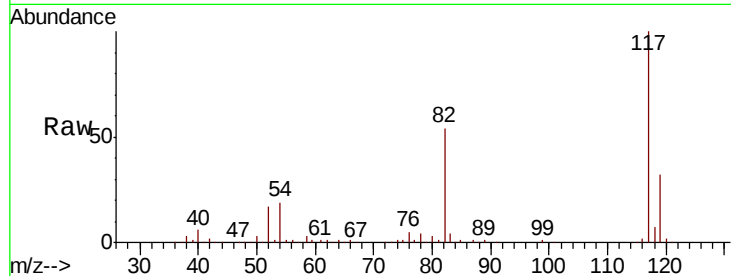




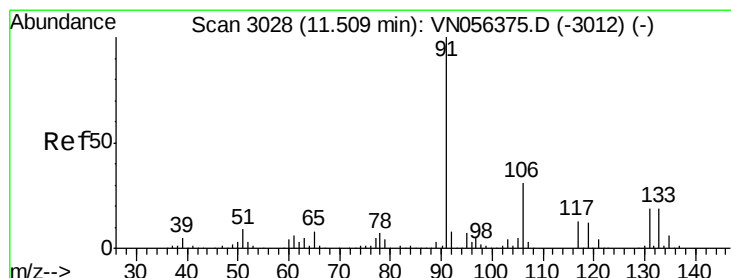
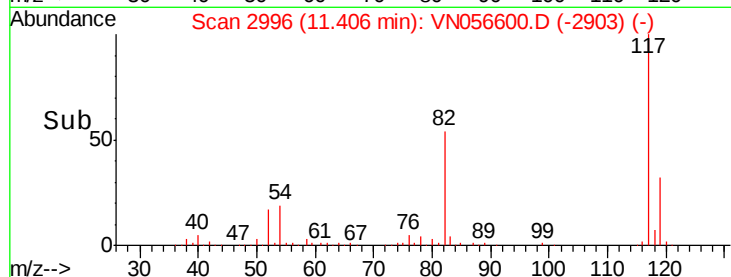
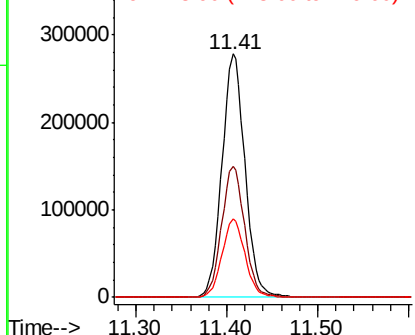
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:117 Resp: 489424
Ion Ratio Lower Upper
117 100
82 54.0 42.0 63.0
119 32.1 25.3 37.9

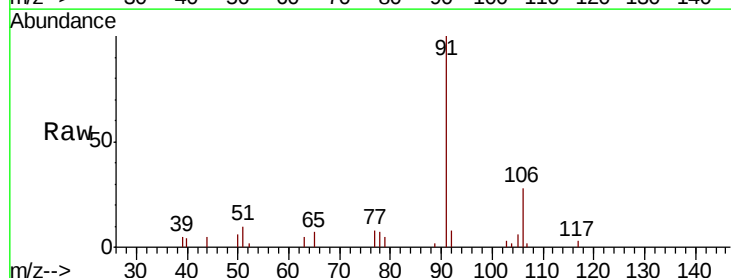


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

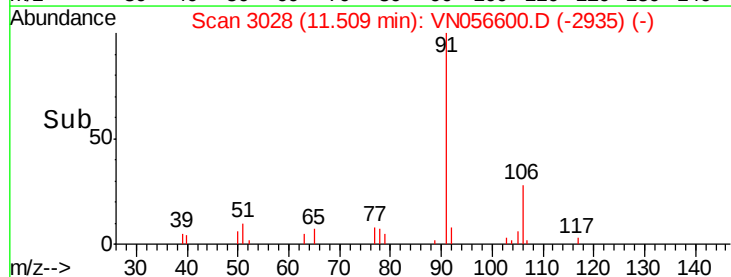
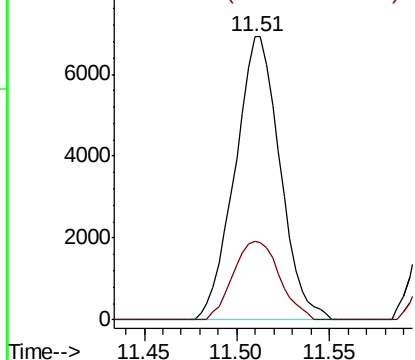


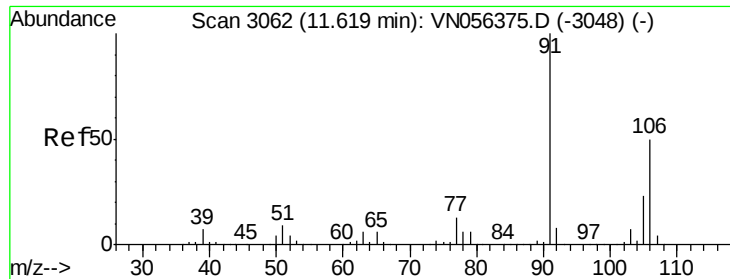
#67
Ethyl Benzene
Concen: 0.678 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion: 91 Resp: 11701
Ion Ratio Lower Upper
91 100
106 28.0 25.1 37.7



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

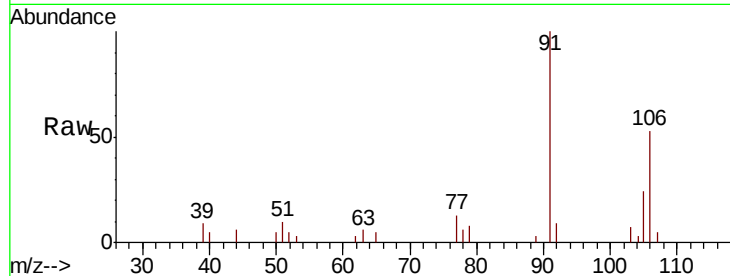




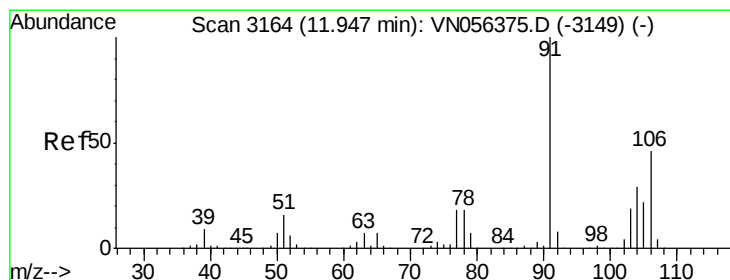
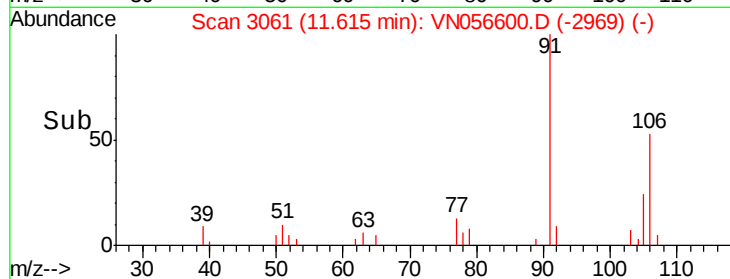
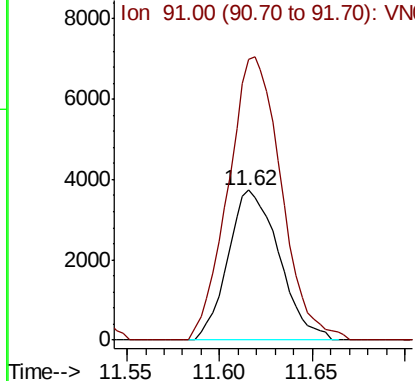
#68
m/p-Xylenes
Concen: 1.131 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:106 Resp: 7160
Ion Ratio Lower Upper
106 100
91 196.5 160.1 240.1

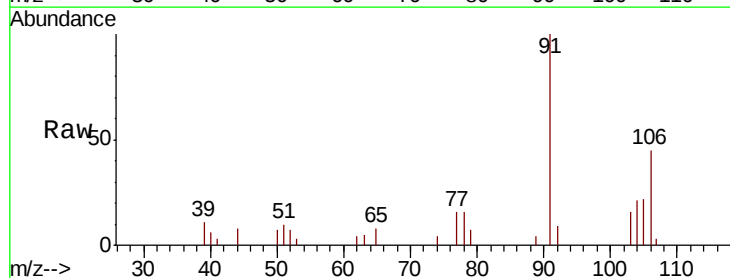


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

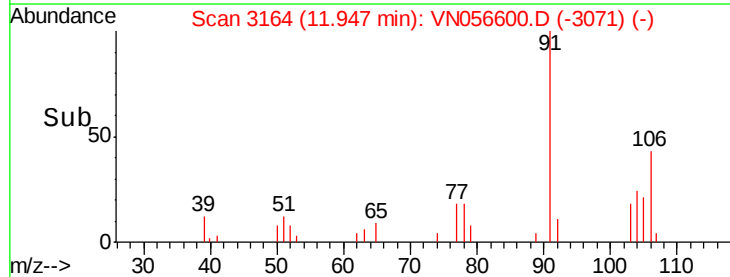
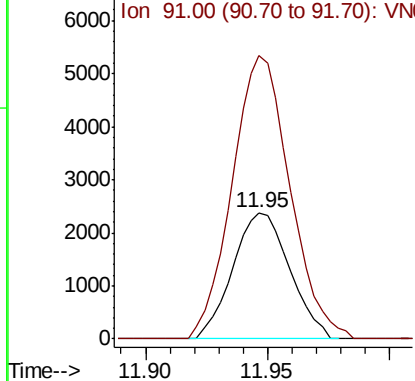


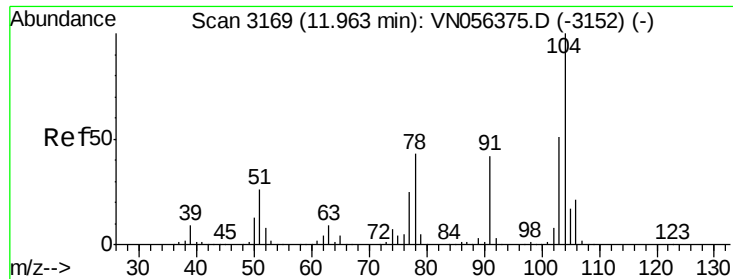
#69
o-Xylene
Concen: 0.612 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion:106 Resp: 3829
Ion Ratio Lower Upper
106 100
91 228.8 107.1 321.3



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

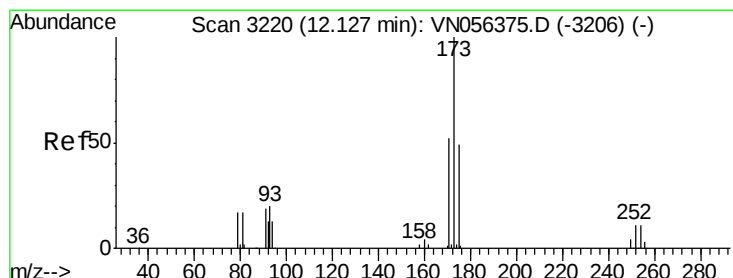
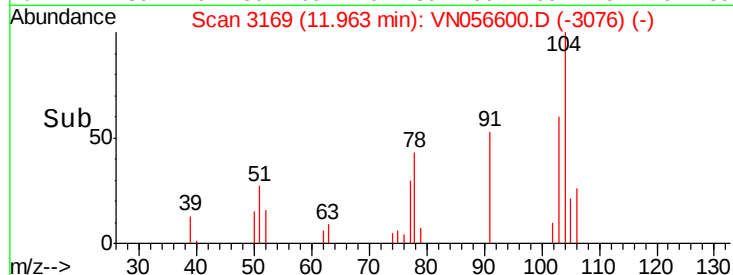
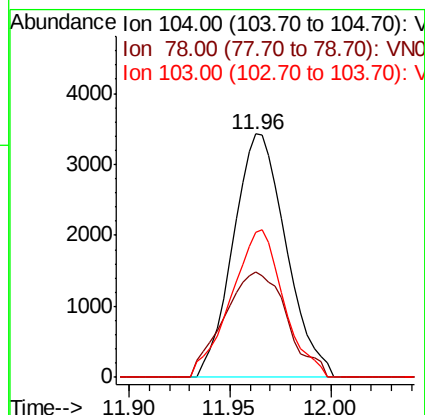
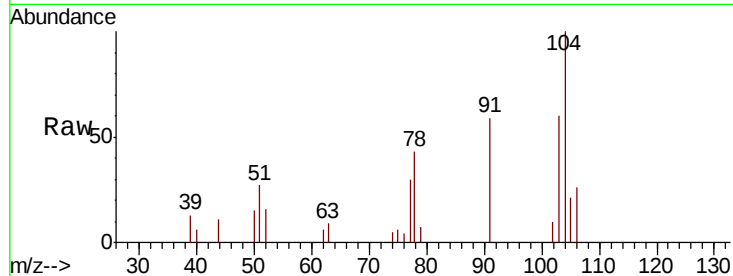




#70
Stvrene
Concen: 0.628 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

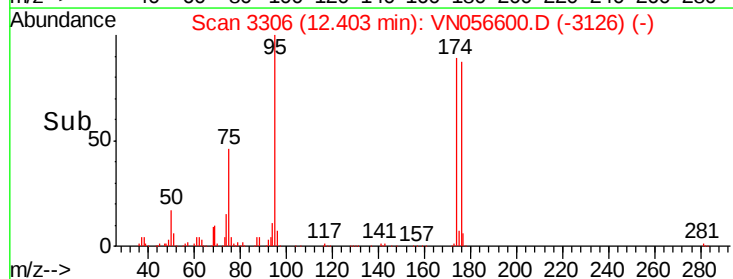
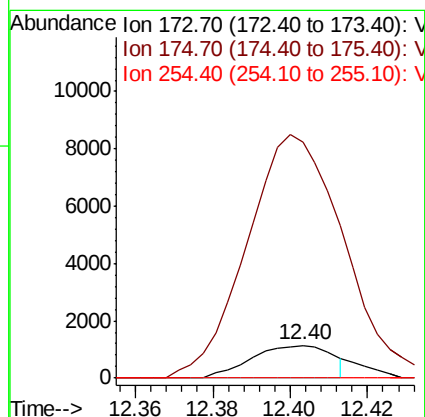
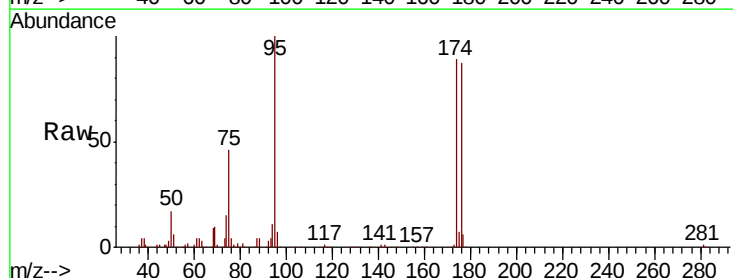
Instrument :
MSVOA_N
ClientSampled :
MW-8

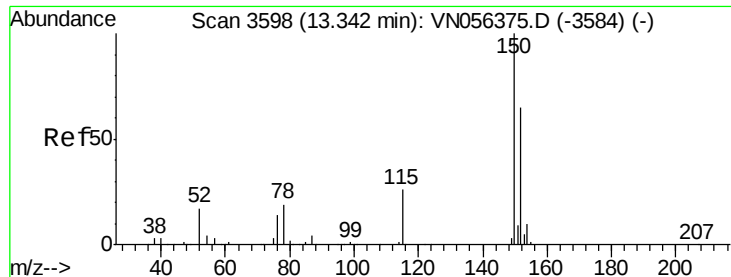
Tot Ion:104 Resp: 6285
Ion Ratio Lower Upper
104 100
78 51.2 38.6 57.8
103 60.0 43.9 65.9



#71
Bromoform
Concen: 3.719 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion:173 Resp: 1648
Ion Ratio Lower Upper
173 100
175 775.7 24.4 73.4#
254 0.0 0.0 0.0



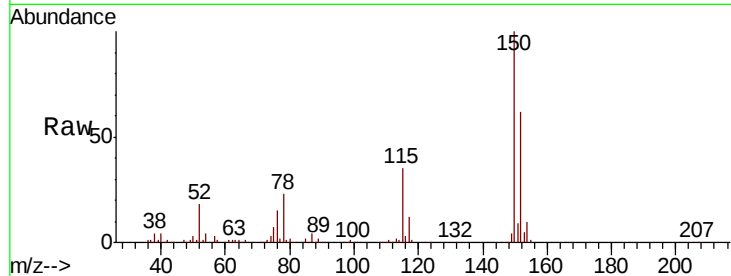


#72

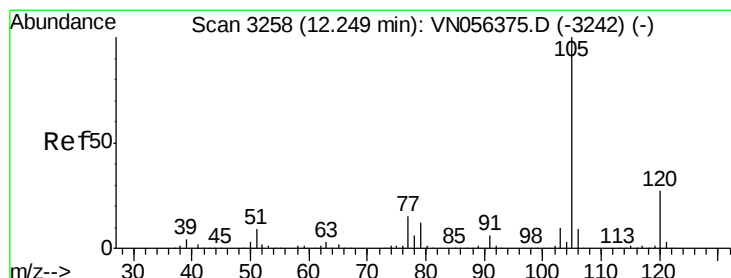
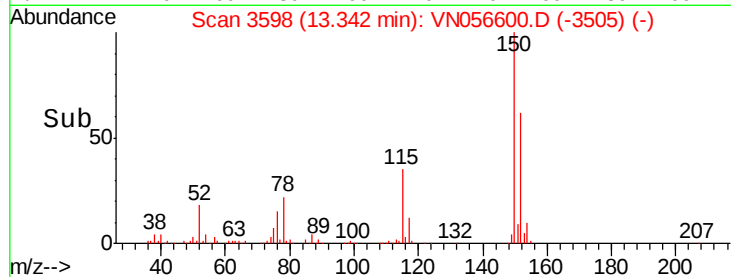
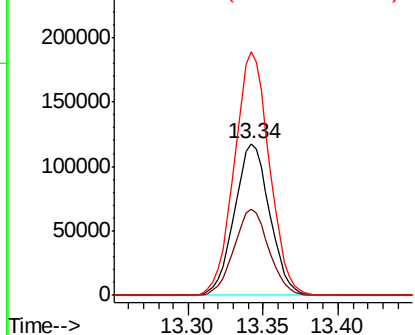
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:152 Resp: 192663
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.4
150 159.8 0.0 348.4



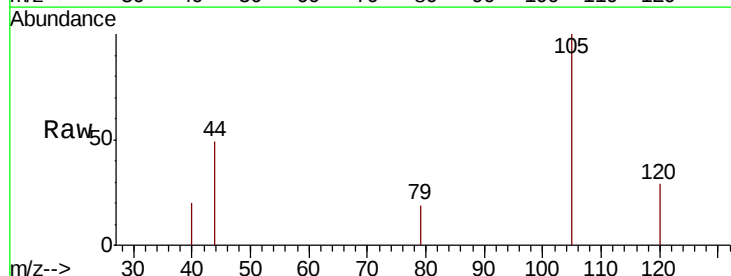
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



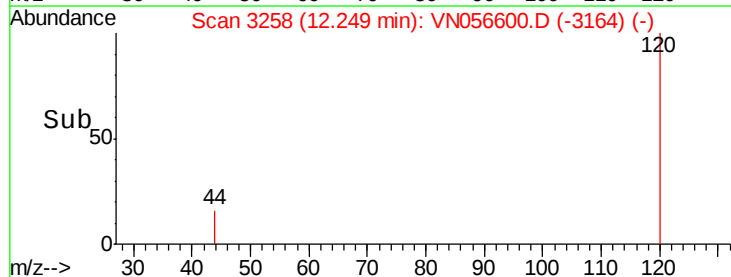
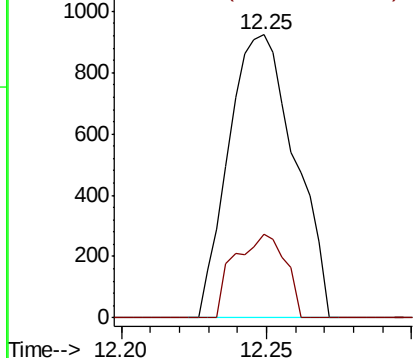
#73

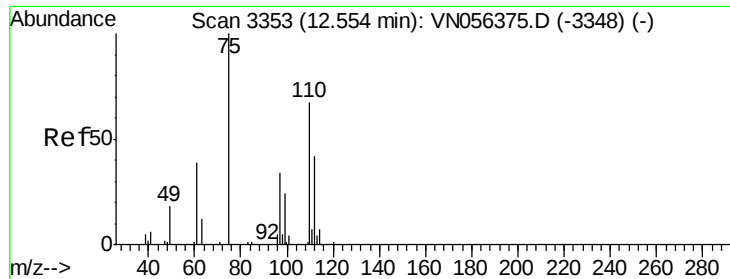
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056600.D
Acq: 3 Jul 2019 21:21

Tgt Ion:105 Resp: 1460
Ion Ratio Lower Upper
105 100
120 22.7 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: 25.617 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

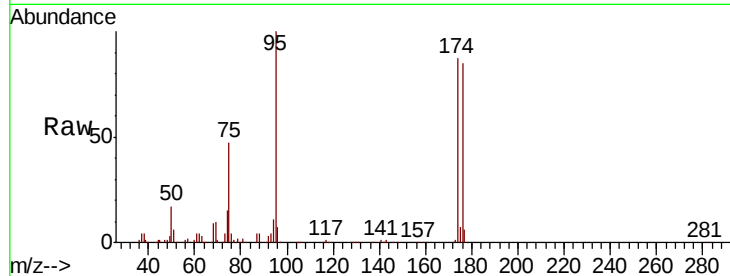
MW-8

Tot Ion: 75 Resp: 102338

Ion Ratio Lower Upper

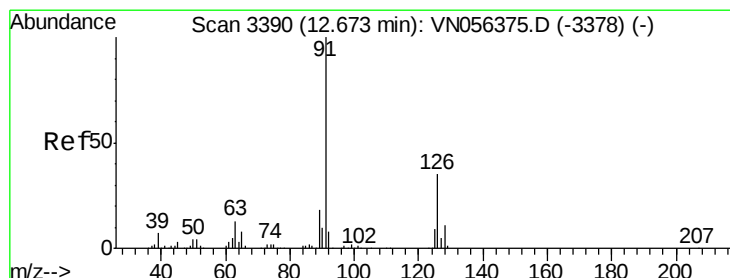
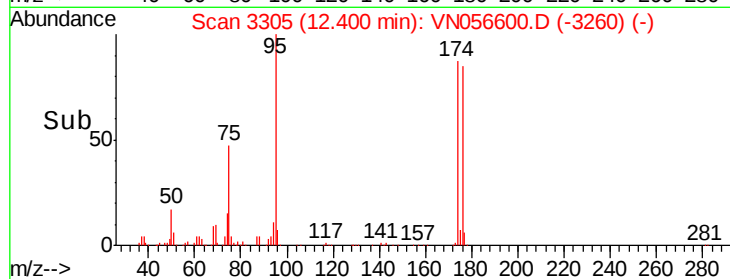
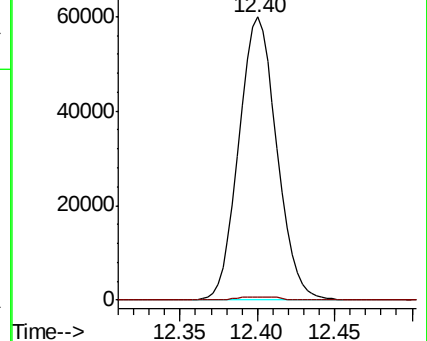
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VN056600.D

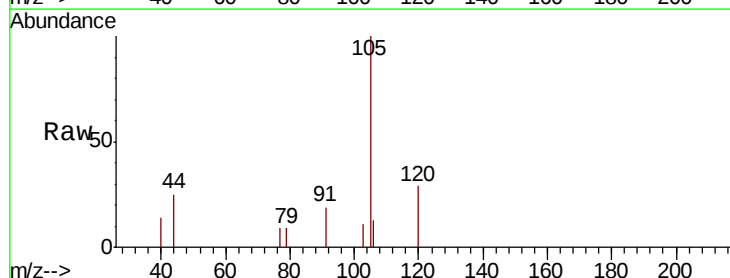
Acq: 3 Jul 2019 21:21

Tgt Ion: 91 Resp: 718

Ion Ratio Lower Upper

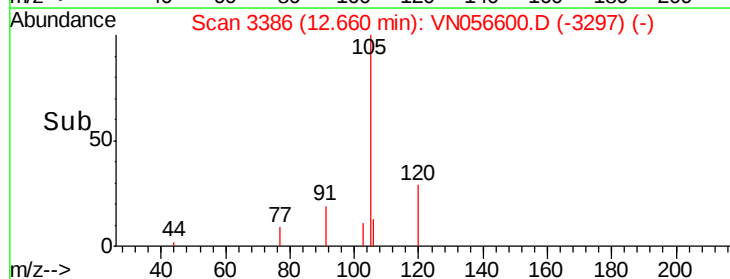
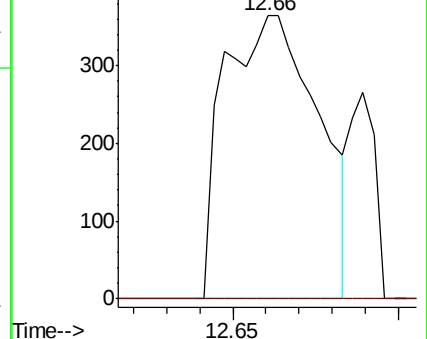
91 100

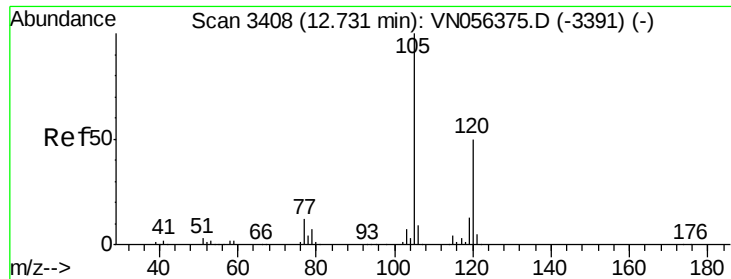
126 0.0 17.6 52.8#



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: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampleId :

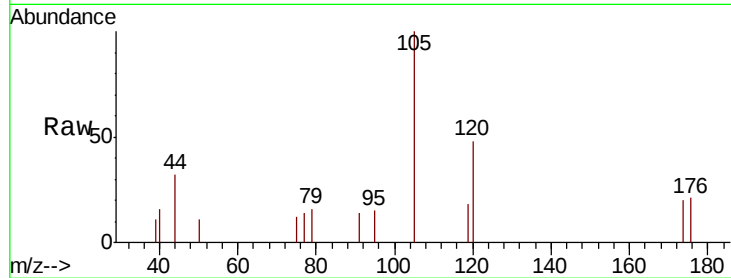
MW-8

Tot Ion:105 Resp: 2400

Ion Ratio Lower Upper

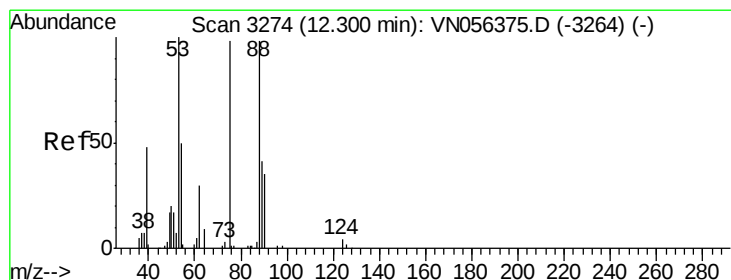
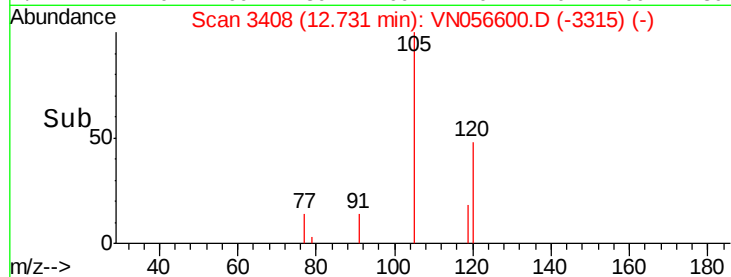
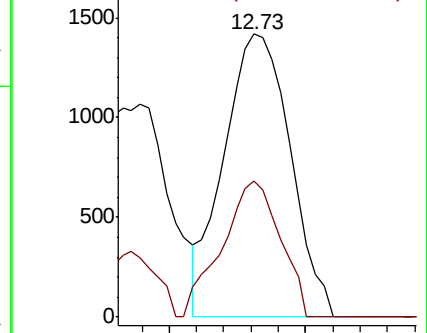
105 100

120 42.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 91.047 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

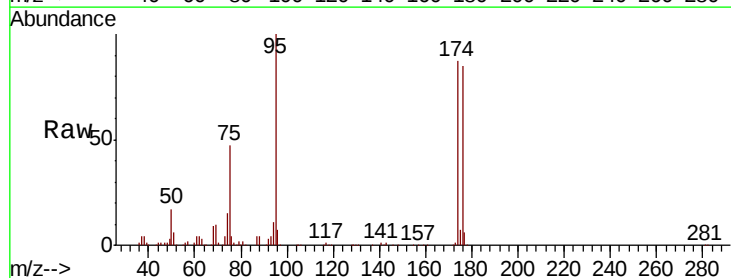
Tgt Ion: 75 Resp: 102338

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

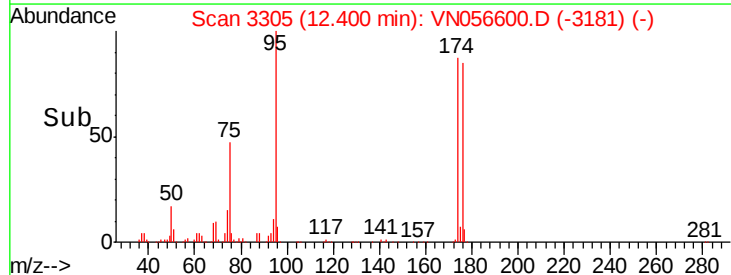
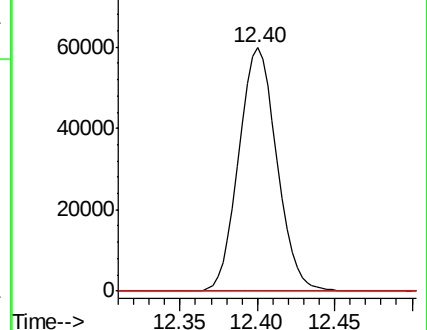
89 0.0 35.0 52.6#

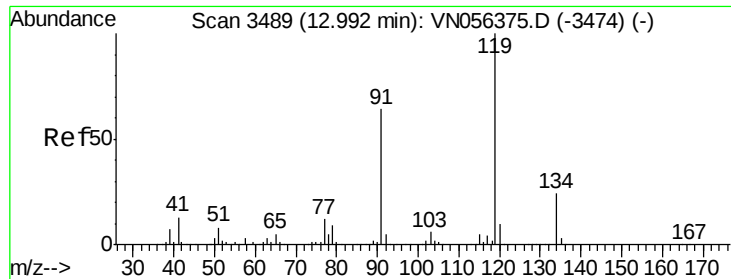


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

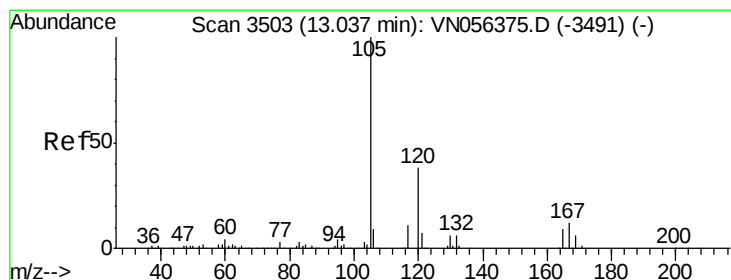
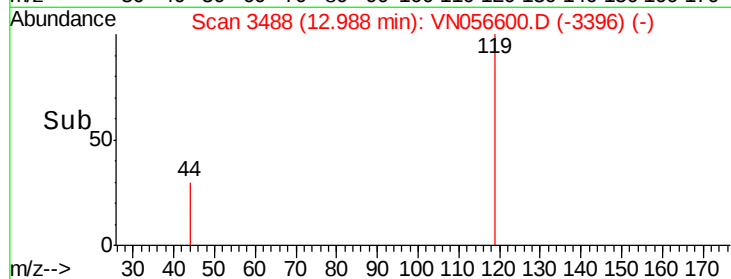
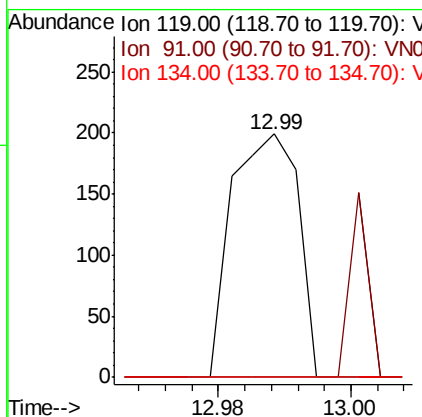
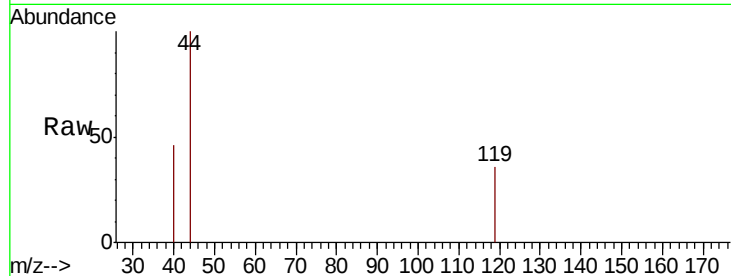




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

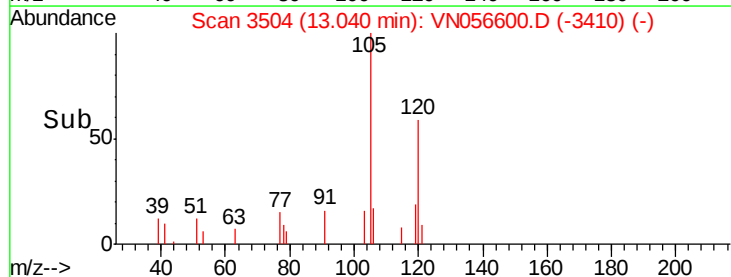
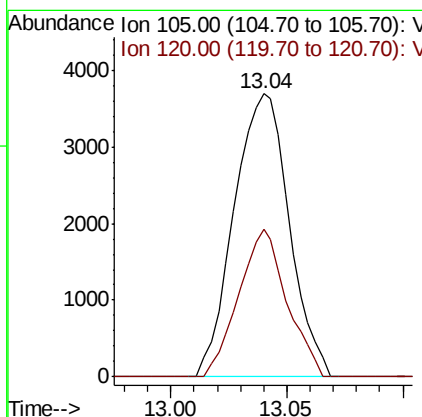
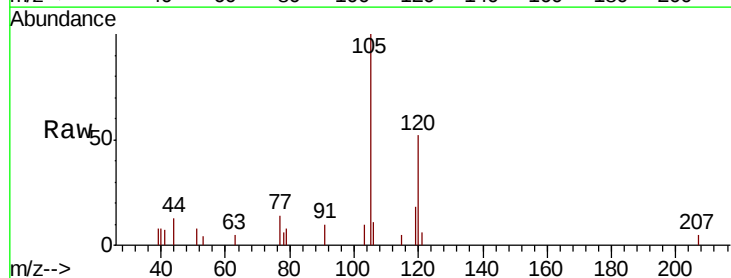
Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

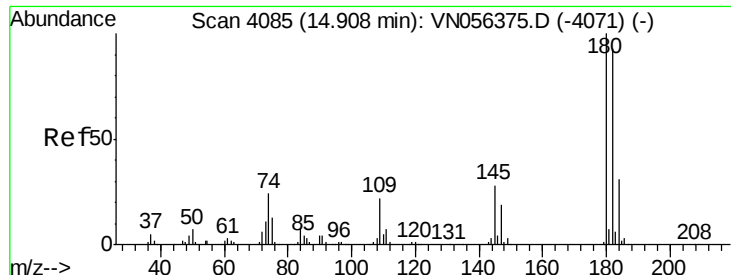
Tot Ion:119 Resp: 138
 Ion Ratio Lower Upper
 119 100
 91 21.0 31.6 94.7#
 134 0.0 13.2 39.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.470 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Tgt Ion:105 Resp: 6094
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.8

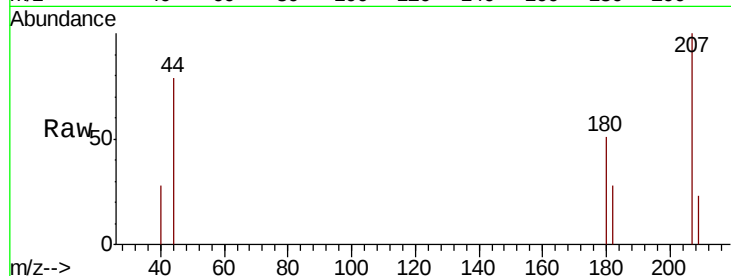




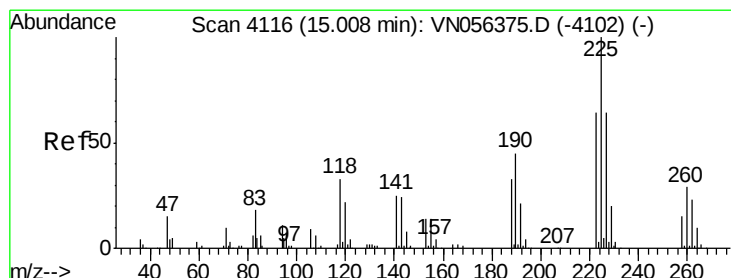
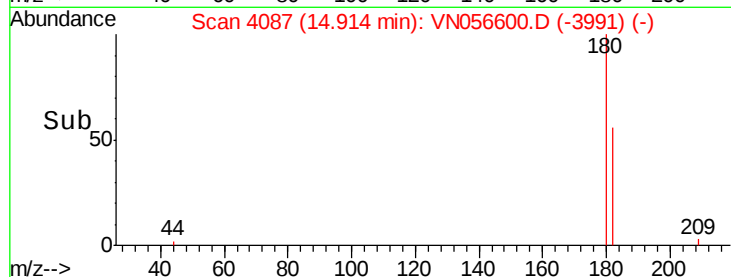
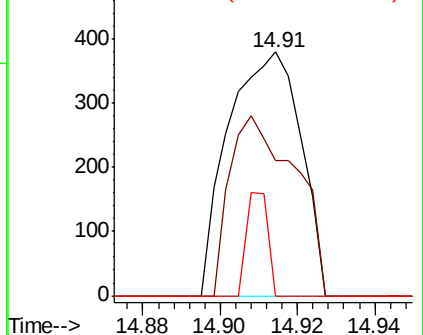
#93
 1,2,4-Trichlorobenzene
 Concen: 5.744 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Tot Ion:180 Resp: 494
 Ion Ratio Lower Upper
 180 100
 182 67.0 46.9 140.6
 145 12.6 14.4 43.0#

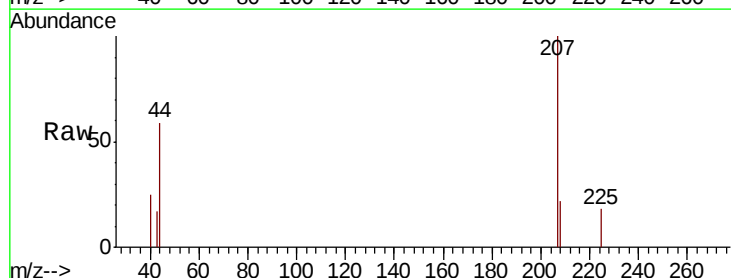


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

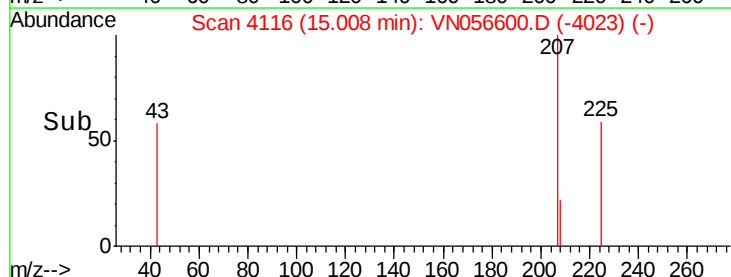
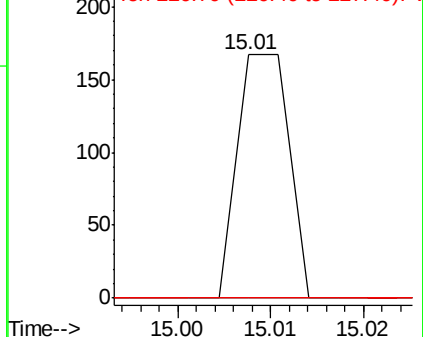


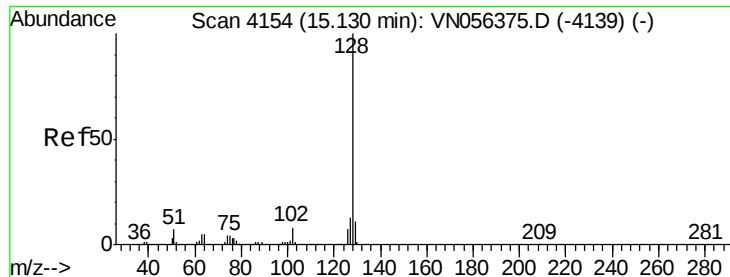
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056600.D
 Acq: 3 Jul 2019 21:21

Tgt Ion:225 Resp: 64
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.4 94.3#
 227 0.0 32.1 96.3#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.550 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

Instrument :

MSVOA_N

ClientSampled :

MW-8

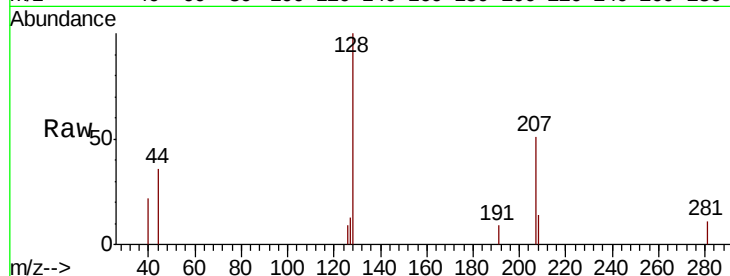
Tot Ion:128 Resp: 3011

Ion Ratio Lower Upper

128 100

127 8.9 10.2 15.2#

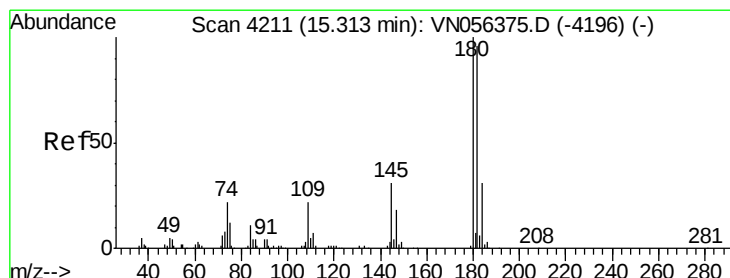
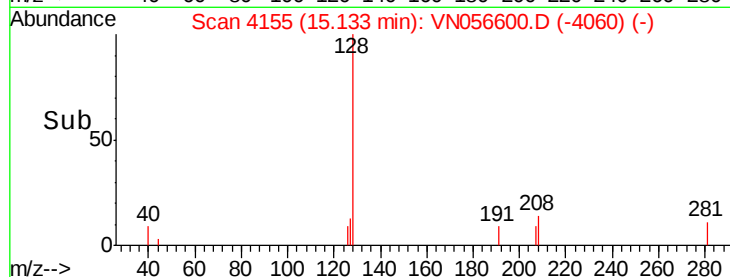
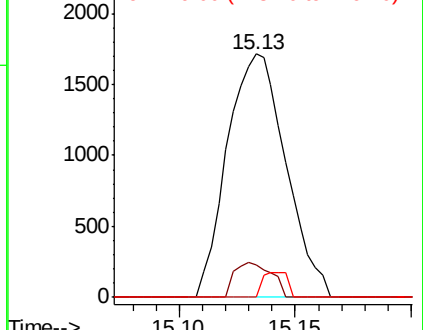
129 4.4 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 4.635 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN056600.D

Acq: 3 Jul 2019 21:21

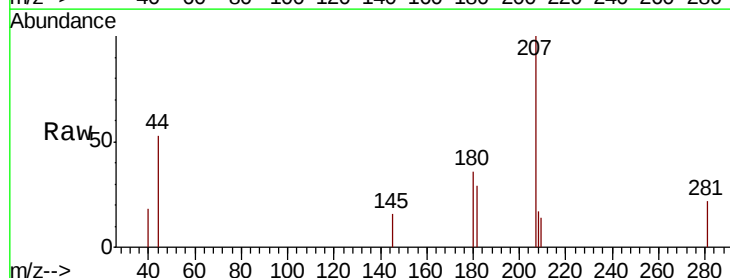
Tgt Ion:180 Resp: 590

Ion Ratio Lower Upper

180 100

182 94.4 48.3 144.8

145 15.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

