

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061465.D
 Acq On : 19 May 2020 7:19
 Operator : JC/MD
 Sample : L2645-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: May 19 07:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	274399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	515365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	512562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	295436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	196163	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
35) Dibromofluoromethane	7.55	113	140574	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.06	98	651755	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.37	95	286103	61.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.30%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	1117	0.300	ug/l	94
5) Bromomethane	2.53	94	201	Below Cal	#	26
6) Chloroethane	2.68	64	2904	0.810	ug/l #	76
11) Tert butyl alcohol	4.73	59	101266	214.606	ug/l #	73
13) Acrolein	3.53	56	2954	Below Cal	#	1
14) Allyl chloride	4.36	41	4831	1.055	ug/l #	20
15) Acrylonitrile	5.00	53	23970	17.146	ug/l #	39
16) Acetone	3.76	43	51790	39.813	ug/l #	60
17) Carbon Disulfide	4.01	76	2006	Below Cal	#	75
18) Methyl Acetate	4.49	43	207897	74.550	ug/l #	49
19) Methyl tert-butyl Ether	4.99	73	327618	30.694	ug/l #	1
20) Methylene Chloride	4.50	84	7086	2.105	ug/l #	11
22) Diisopropyl ether	5.91	45	7957	0.774	ug/l	89
23) Vinyl Acetate	5.88	43	4401	0.538	ug/l #	70
24) 1,1-Dichloroethane	5.79	63	3262	0.544	ug/l #	82
25) 2-Butanone	6.79	43	15285	8.197	ug/l #	85
26) 2,2-Dichloropropane	6.58	77	6331	1.107	ug/l #	54
28) Bromochloromethane	7.33	49	54596	21.439	ug/l #	13
29) Tetrahydrofuran	7.17	42	338	0.274	ug/l #	29
30) Chloroform	7.33	83	691578	110.364	ug/l	99
31) Cyclohexane	7.61	56	270145	51.232	ug/l	97
36) 1,1-Dichloropropene	7.63	75	24403	5.064	ug/l #	62
37) Ethyl Acetate	6.79	43	15285	3.498	ug/l #	71
38) Carbon Tetrachloride	7.63	117	29516	6.652	ug/l #	15
39) Methylcyclohexane	9.05	83	285742	48.548	ug/l	99
40) Benzene	8.00	78	434535	29.922	ug/l	100
41) Methacrylonitrile	7.14	41	1058	0.573	ug/l #	30
42) 1,2-Dichloroethane	8.09	62	6987	1.335	ug/l #	75
43) Isopropyl Acetate	8.11	43	31302	4.107	ug/l #	54
45) 1,2-Dichloropropane	9.05	63	1757	0.483	ug/l #	1
47) Bromodichloromethane	9.35	83	3894	0.725	ug/l #	25
48) Methyl methacrylate	9.24	41	31662	8.992	ug/l #	48
51) 4-Methyl-2-Pentanone	9.96	43	26668	6.423	ug/l #	84
52) Toluene	10.13	92	51865	5.563	ug/l	100

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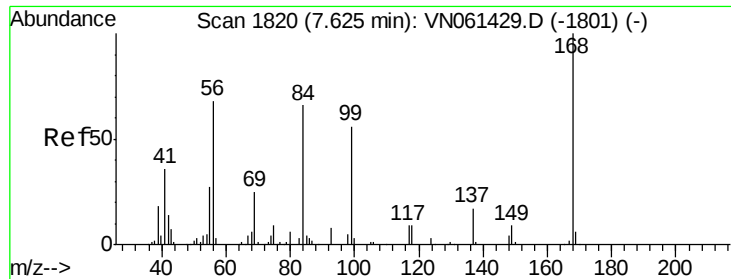
Instrument :
 MSVOA_N
 ClientSampleId :
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Quant Time: May 19 07:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

55) 1,1,2-Trichloroethane	10.50	97	18734	5.315	ug/l #	21
56) Ethyl methacrylate	10.40	69	2585	0.469	ug/l #	48
59) 2-Hexanone	10.77	43	4787	1.594	ug/l	74
65) Chlorobenzene	11.41	112	4657	0.446	ug/l	100
67) Ethyl Benzene	11.49	91	7293611	382.273	ug/l #	38
68) m/p-Xylenes	11.60	106	3472211	479.449	ug/l #	72
69) o-Xylene	11.92	106	49040	6.997	ug/l	98
70) Styrene	11.92	104	3977	0.343	ug/l #	1
71) Bromoform	12.38	173	1756	2.599	ug/l #	1
73) Isopropylbenzene	12.22	105	896460	37.798	ug/l	99
74) N-amyl acetate	12.00	43	10522	1.212	ug/l #	21
76) 1,2,3-Trichloropropane	12.56	75	17673	2.788	ug/l #	100
78) n-propylbenzene	12.56	91	2790393	103.258	ug/l	98
79) 2-Chlorotoluene	12.66	91	319556	20.006	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.71	105	1510590	77.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.22	75	10461	4.378	ug/l #	65
82) 4-Chlorotoluene	12.71	91	165509	10.007	ug/l #	43
83) tert-Butylbenzene	13.01	119	1182933	71.114	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.01	105	6372098	327.869	ug/l	70
85) sec-Butylbenzene	13.01	105	6372098	283.289	ug/l #	57
86) p-Isopropyltoluene	13.27	119	66008	3.305	ug/l #	74
88) 1,4-Dichlorobenzene	13.34	146	12598	1.335	ug/l #	70
89) n-Butylbenzene	13.56	91	43835	2.416	ug/l #	1
90) Hexachloroethane	13.86	117	133086	49.165	ug/l #	17
91) 1,2-Dichlorobenzene	13.63	146	3820	0.423	ug/l #	68
92) 1,2-Dibromo-3-Chloropropan	14.22	75	6432	4.880	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.88	180	1326	0.271	ug/l #	1
95) Naphthalene	15.10	128	2743330	176.121	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampleId :

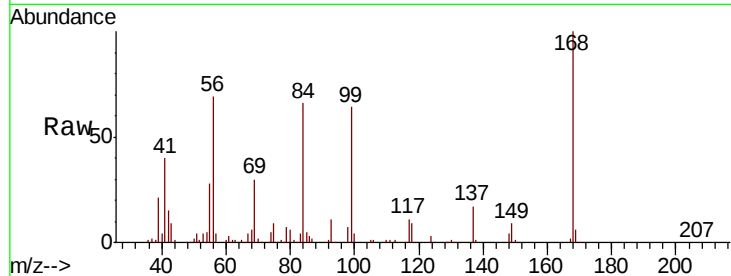
MW-3

Tot Ion:168 Resp: 274399

Ion Ratio Lower Upper

168 100

99 63.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

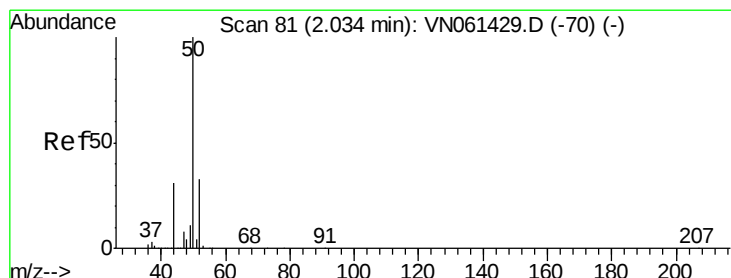
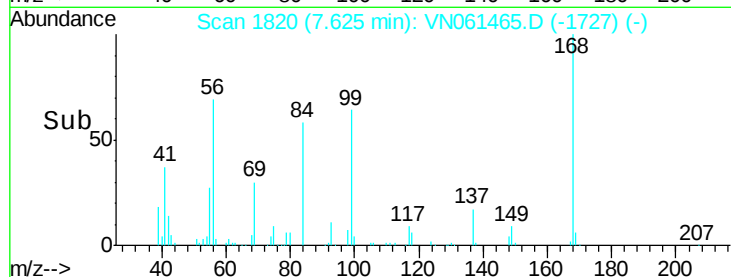
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.300 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061465.D

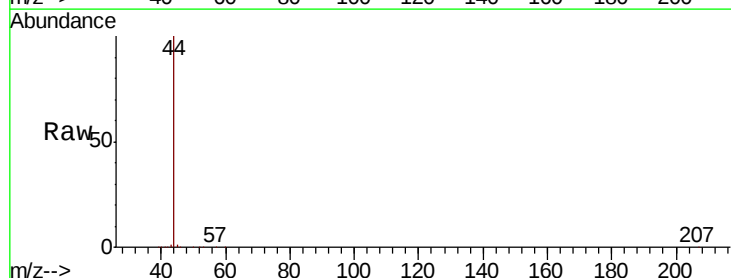
Acq: 19 May 2020 7:19

Tgt Ion: 50 Resp: 1117

Ion Ratio Lower Upper

50 100

52 29.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

800

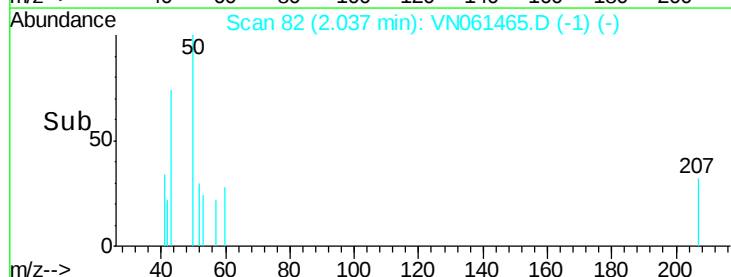
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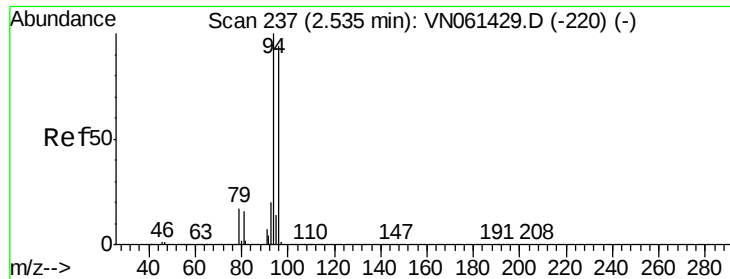
400

200

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

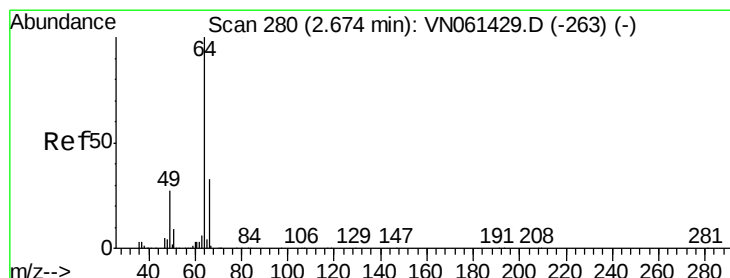
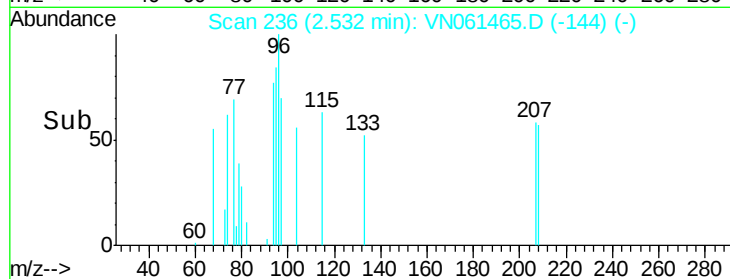
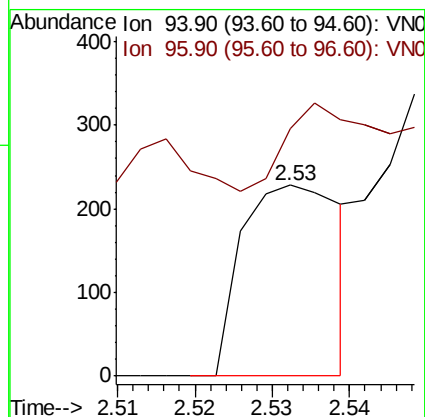
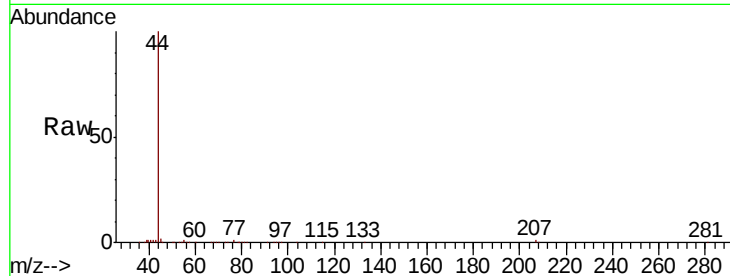
MW-3

Tot Ion: 94 Resp: 201

Ion Ratio Lower Upper

94 100

96 21.9 74.9 112.3#



#6

Chloroethane

Concen: 0.810 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN061465.D

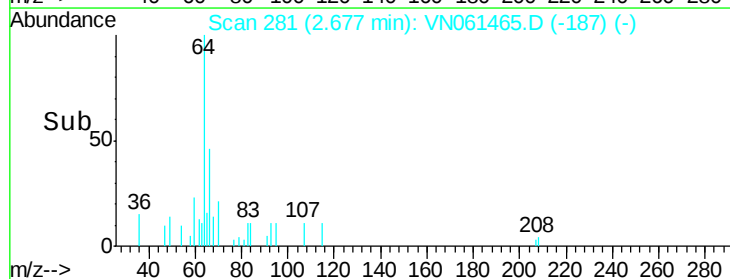
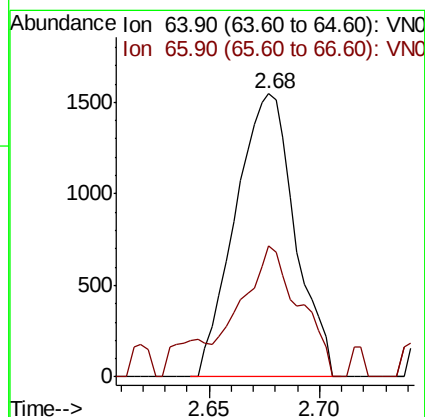
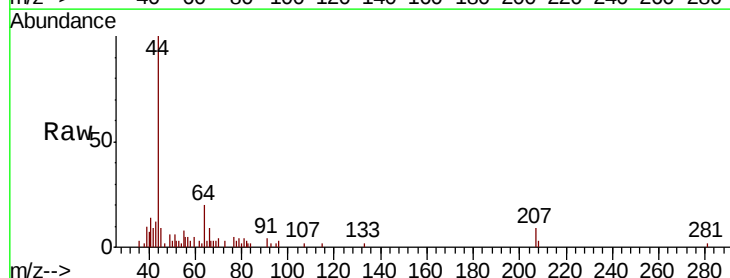
Acq: 19 May 2020 7:19

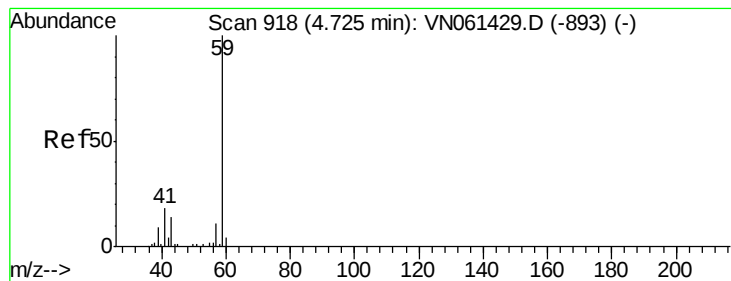
Tgt Ion: 64 Resp: 2904

Ion Ratio Lower Upper

64 100

66 46.3 26.3 39.5#



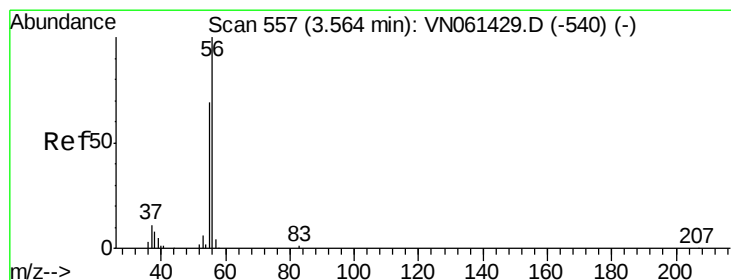
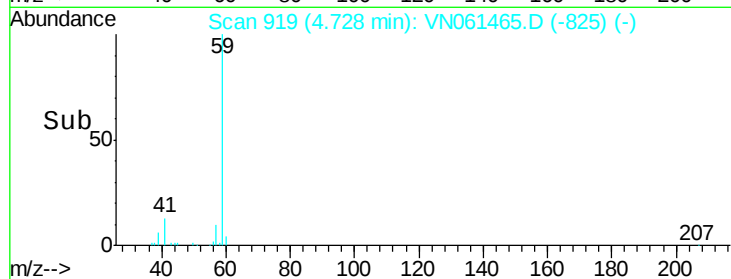
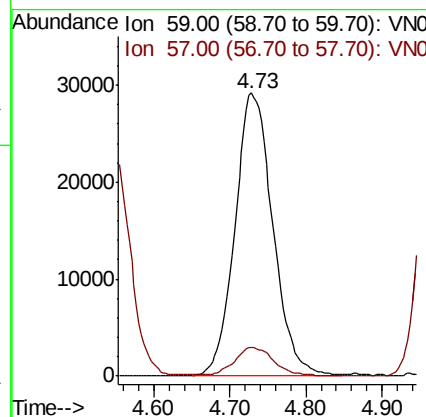
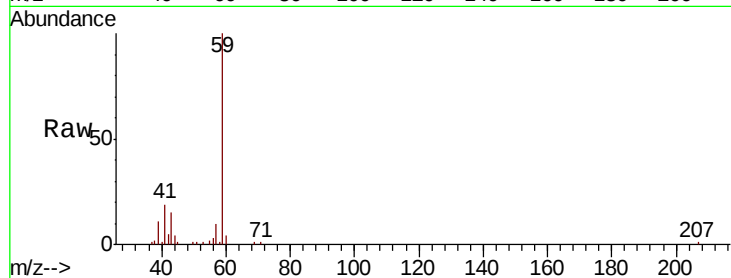


#11

Tert butyl alcohol
 Concen: 214.606 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

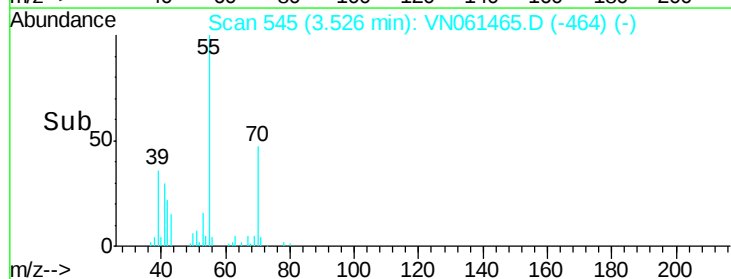
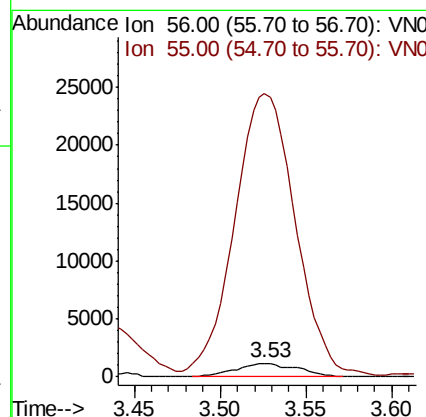
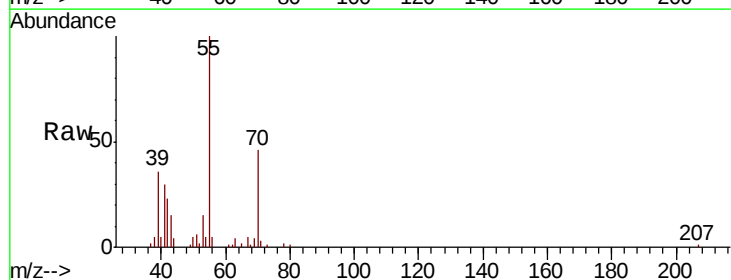
Tot Ion: 59 Resp: 101266
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

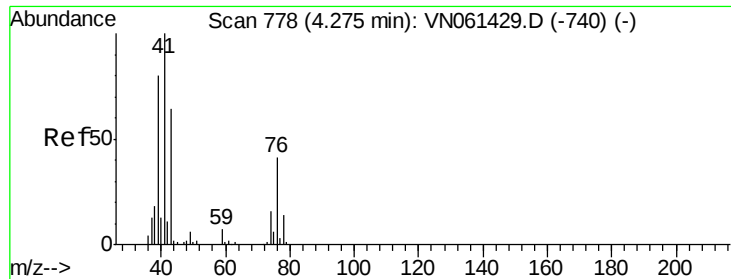


#13

Acrolein
 Concen: Below Cal
 RT: 3.53 min Scan# 545
 Delta R.T. -0.04 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Tgt Ion: 56 Resp: 2954
 Ion Ratio Lower Upper
 56 100
 55 2025.1 54.8 82.2#

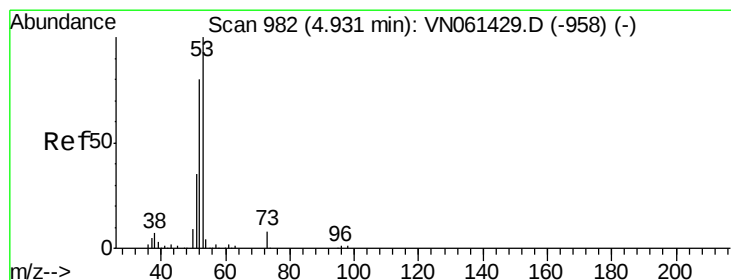
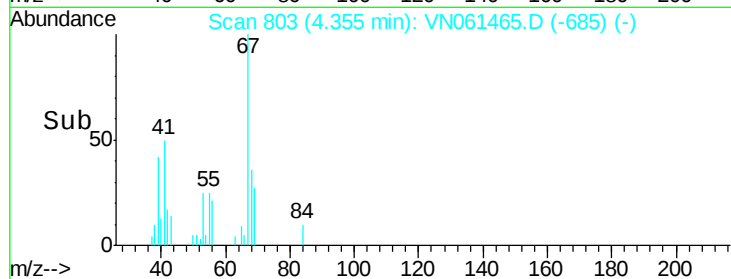
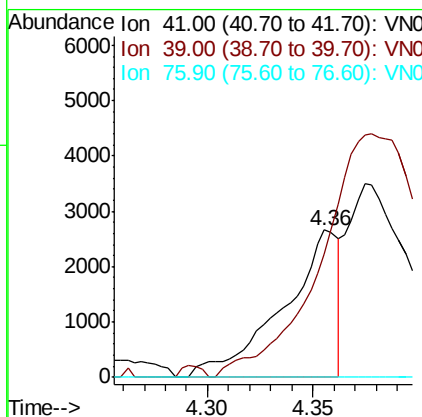
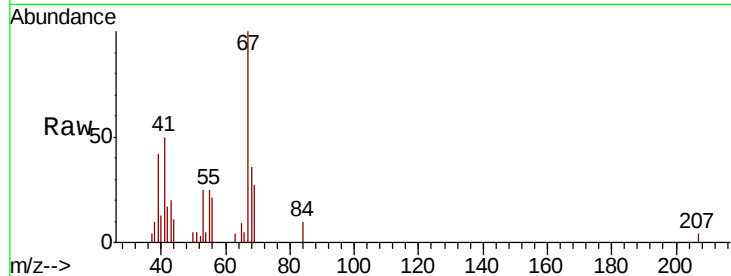




#14
Allvl chloride
Concen: 1.055 ug/l
RT: 4.36 min Scan# 803
Delta R.T. 0.08 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

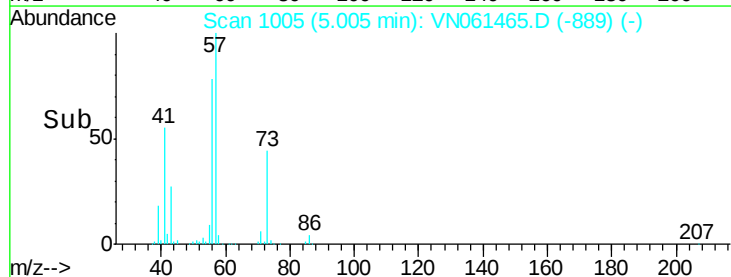
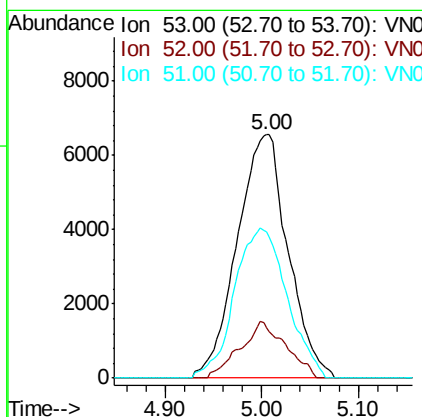
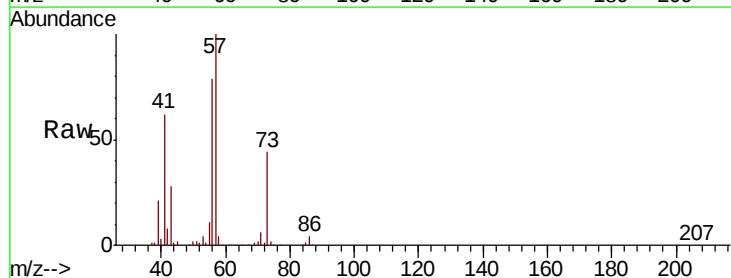
Instrument :
MSVOA_N
ClientSampled :
MW-3

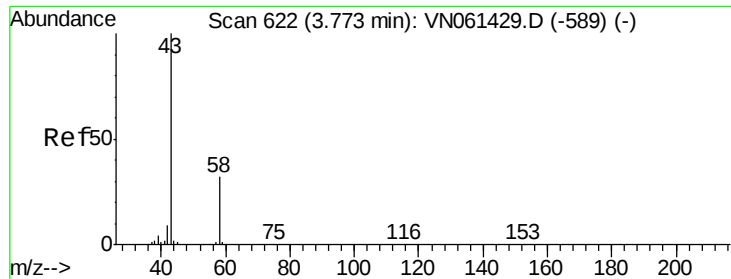
Tot Ion: 41 Resp: 4831
Ion Ratio Lower Upper
41 100
39 0.0 61.2 91.8#
76 0.0 29.9 44.9#



#15
Acrylonitrile
Concen: 17.146 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.07 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion: 53 Resp: 23970
Ion Ratio Lower Upper
53 100
52 20.7 64.7 97.1#
51 63.6 29.5 44.3#





#16

Acetone

Concen: 39.813 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.01 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

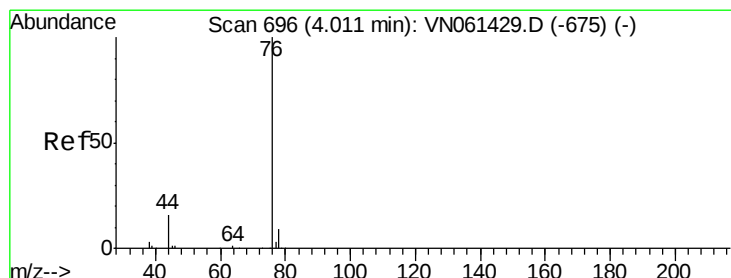
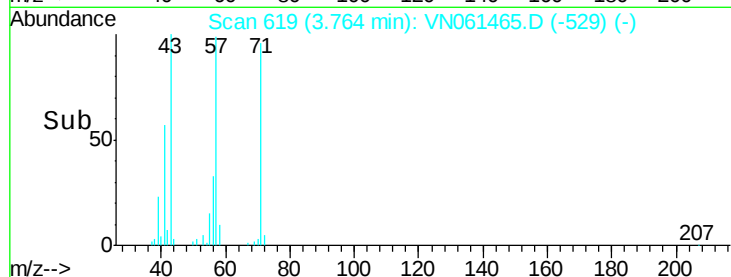
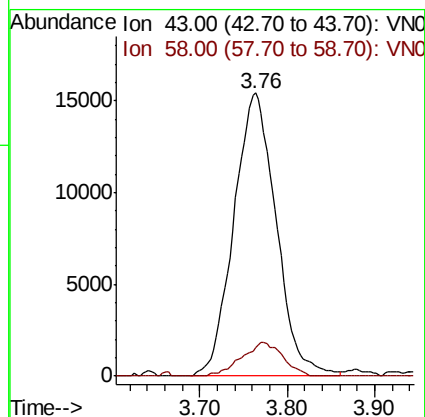
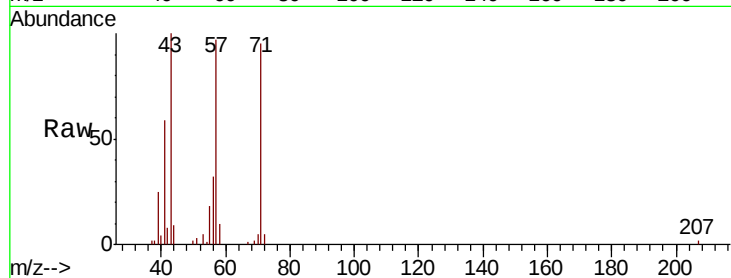
MW-3

Tot Ion: 43 Resp: 51790

Ion Ratio Lower Upper

43 100

58 9.9 25.6 38.4#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061465.D

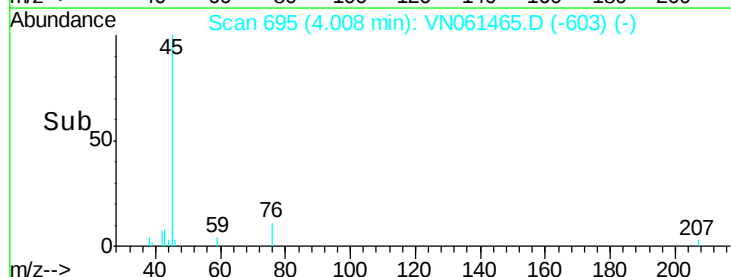
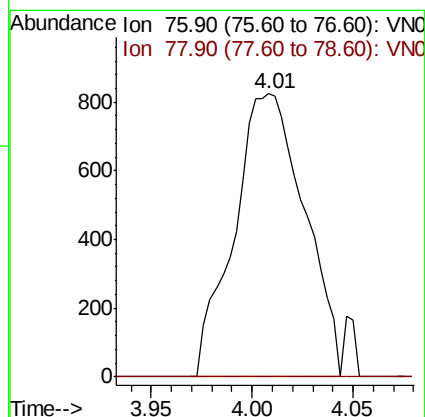
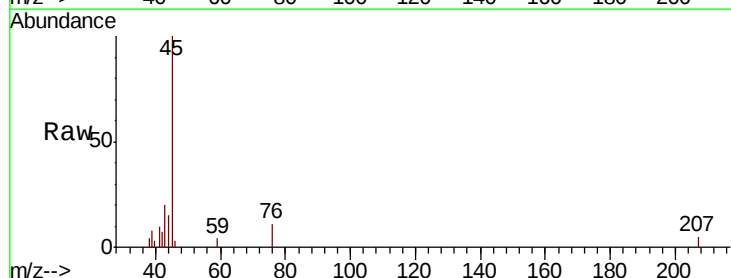
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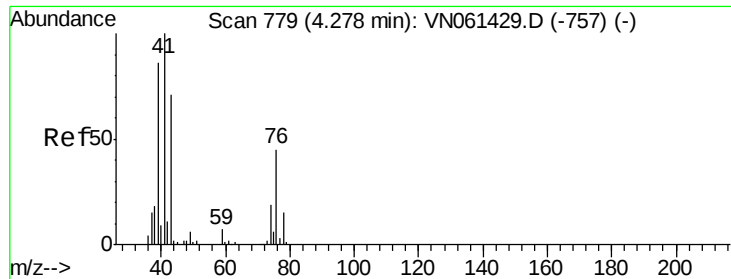
Tgt Ion: 76 Resp: 2006

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

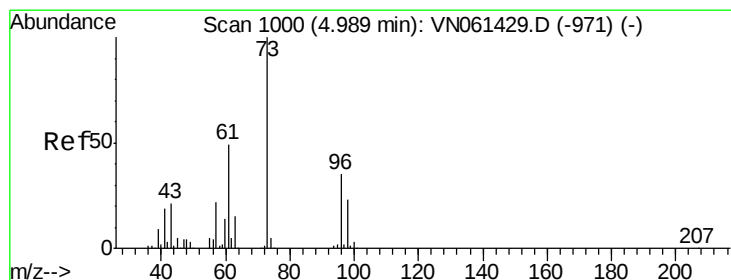
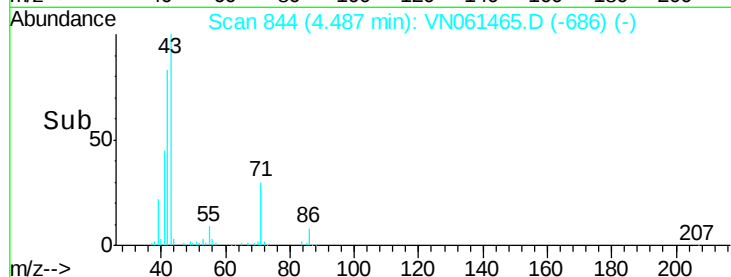
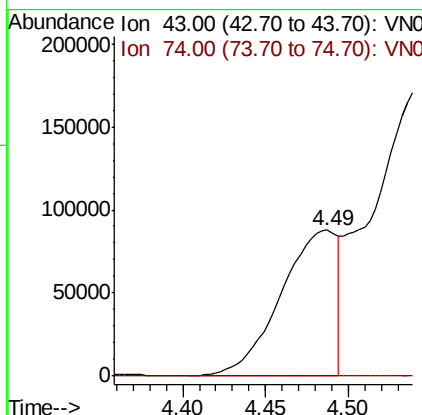
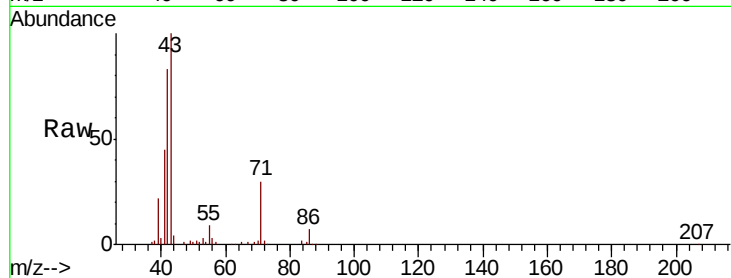




#18
Methyl Acetate
Concen: 74.550 ug/l
RT: 4.49 min Scan# 844
Delta R.T. 0.21 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

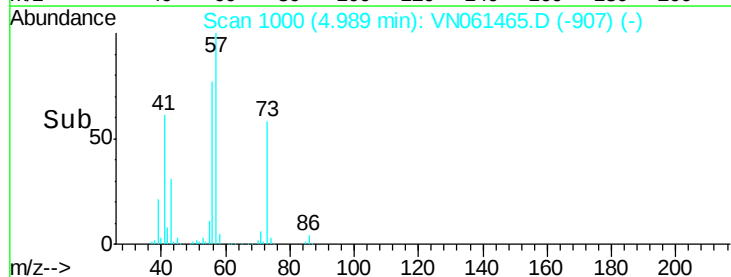
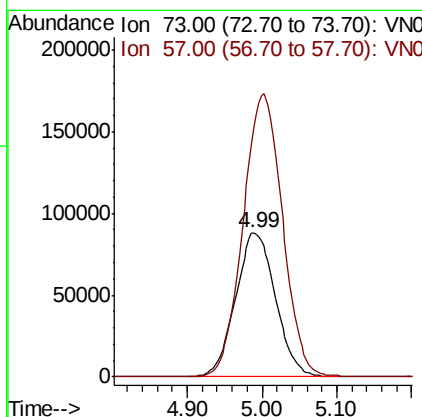
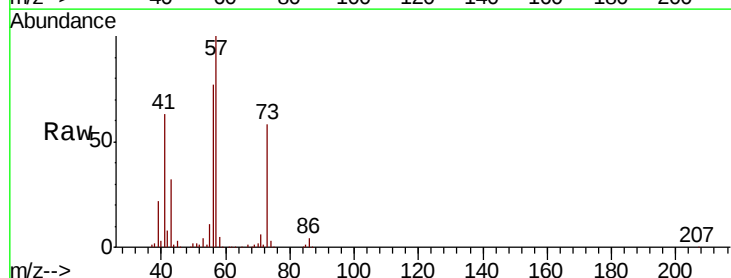
Instrument :
MSVOA_N
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MW-3

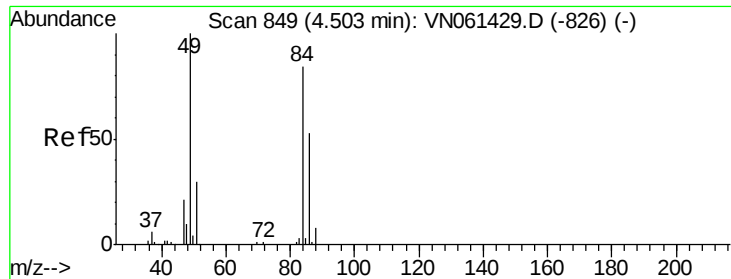
Tot Ion: 43 Resp: 207897
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 30.694 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion: 73 Resp: 327618
Ion Ratio Lower Upper
73 100
57 172.6 17.4 26.0#

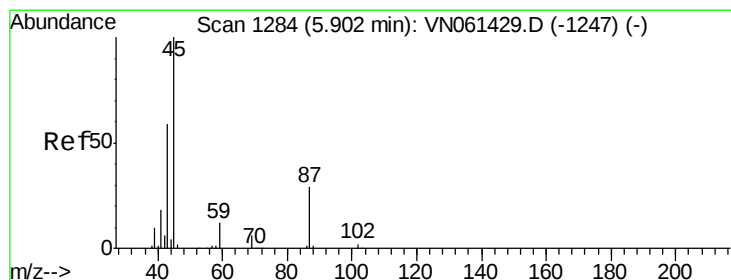
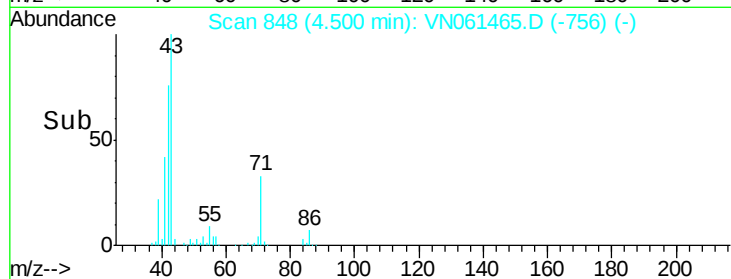
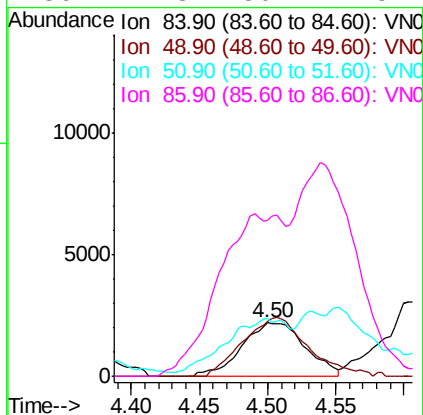
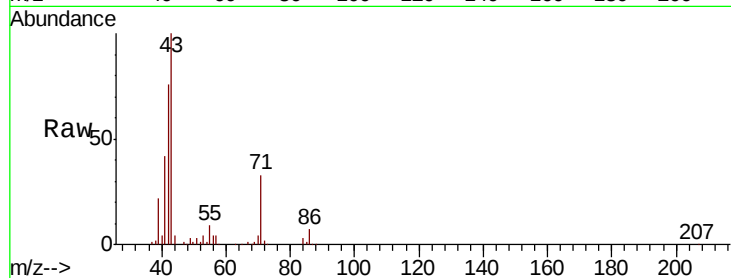




#20
Methylene Chloride
Concen: 2.105 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

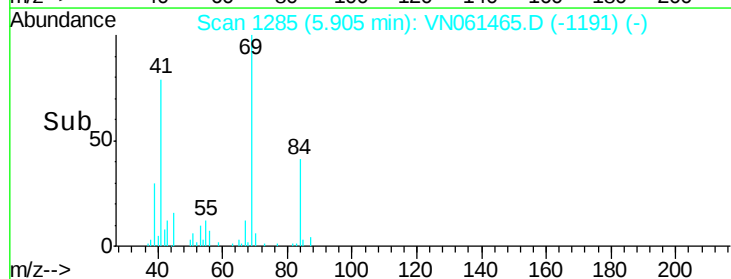
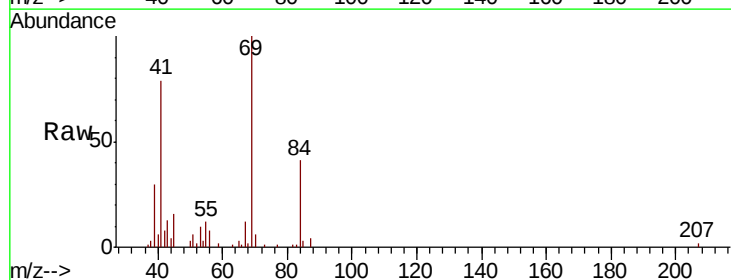
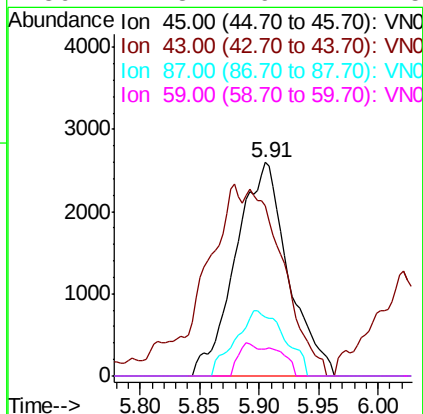
Instrument :
MSVOA_N
ClientSampled :
MW-3

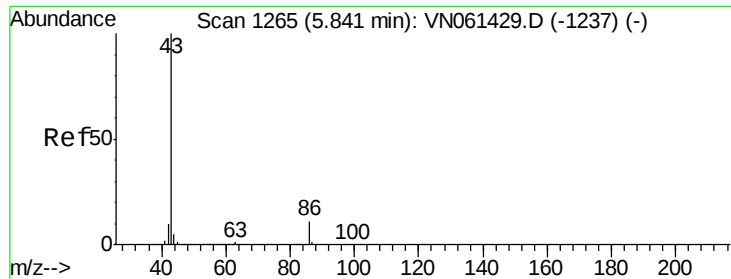
Tot Ion: 84 Resp: 7086
Ion Ratio Lower Upper
84 100
49 104.3 95.3 142.9
51 87.8 29.0 43.6#
86 242.3 50.2 75.2#



#22
Diisopropyl ether
Concen: 0.774 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion: 45 Resp: 7957
Ion Ratio Lower Upper
45 100
43 71.6 47.9 71.9
87 27.5 24.0 36.0
59 12.8 9.7 14.5





#23

Vinyl Acetate

Concen: 0.538 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.04 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

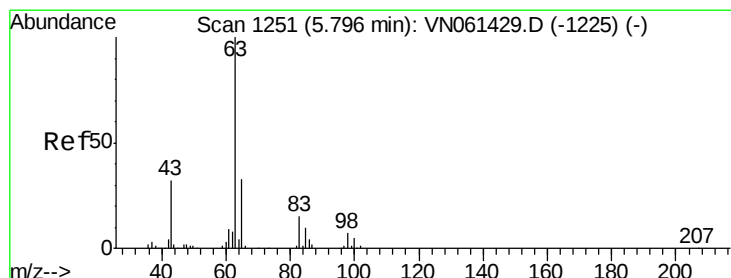
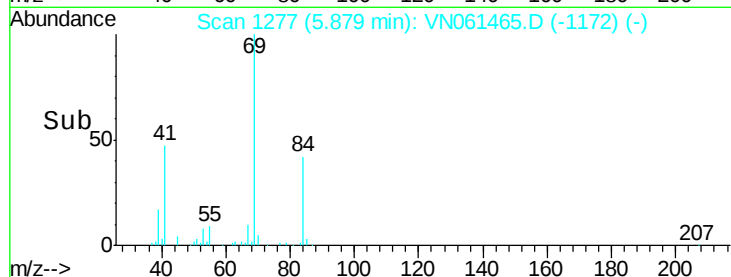
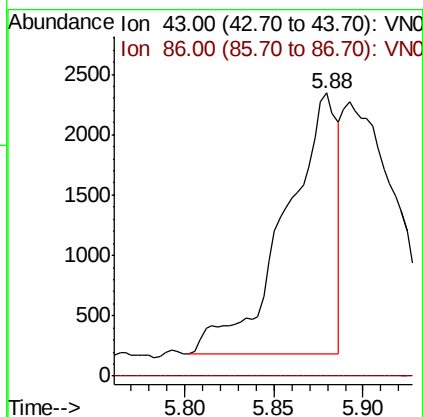
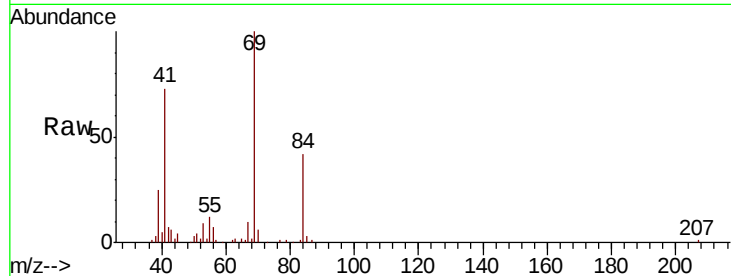
MW-3

Tot Ion: 43 Resp: 4401

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 0.544 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

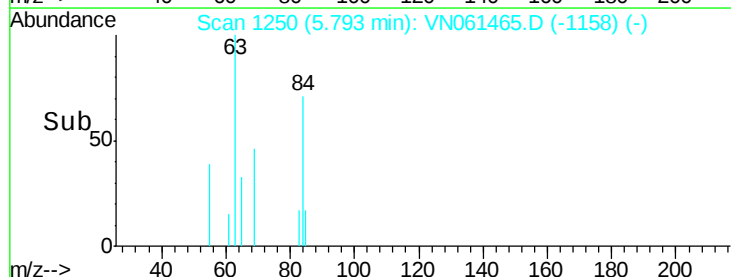
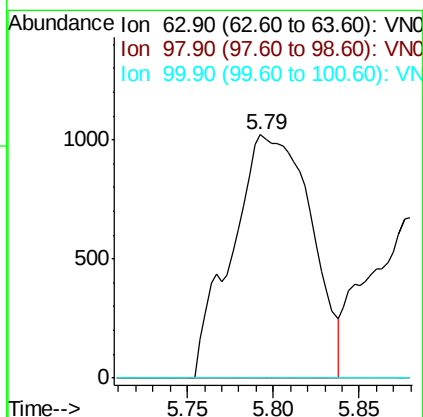
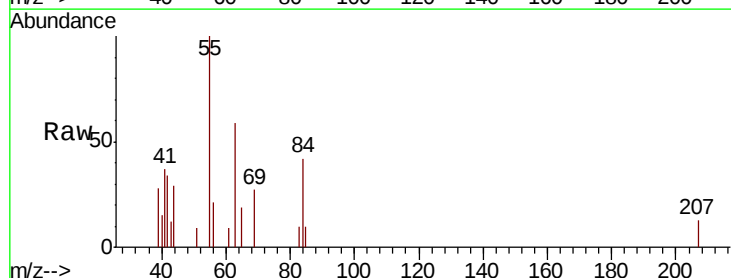
Tgt Ion: 63 Resp: 3262

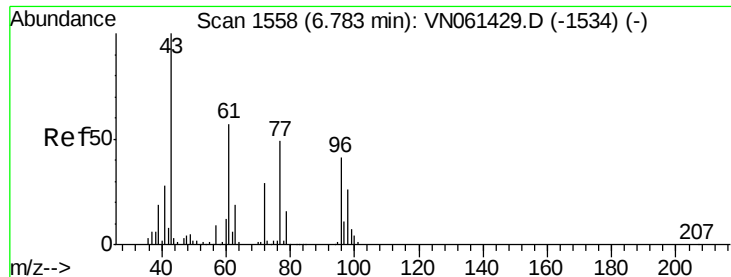
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 8.197 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

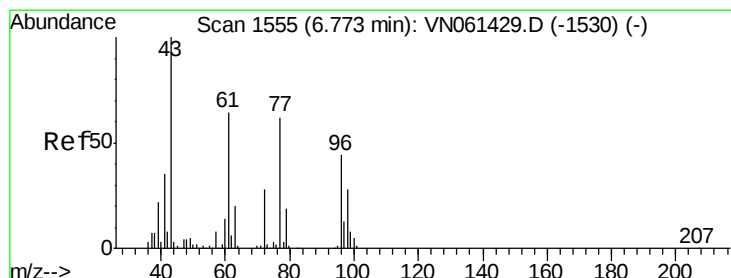
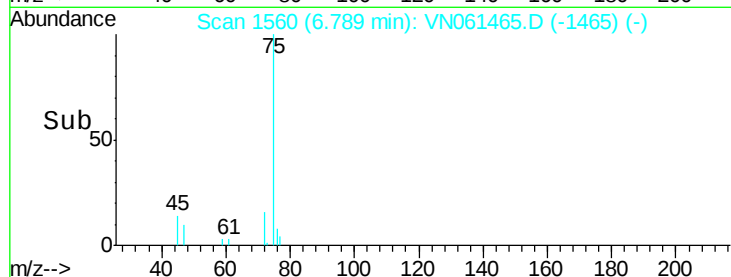
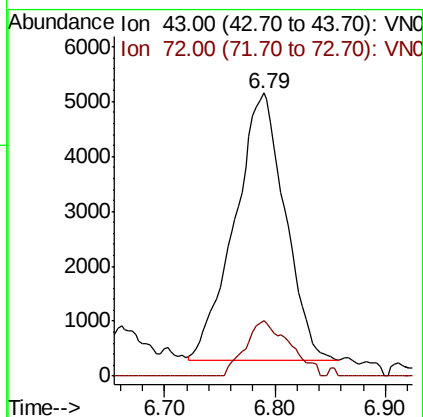
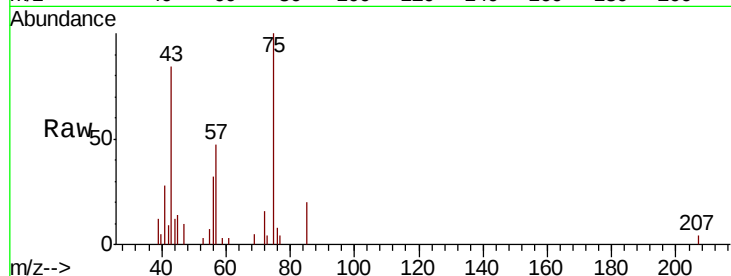
MW-3

Tot Ion: 43 Resp: 15285

Ion Ratio Lower Upper

43 100

72 20.6 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 1.107 ug/l

RT: 6.58 min Scan# 1495

Delta R.T. -0.19 min

Lab File: VN061465.D

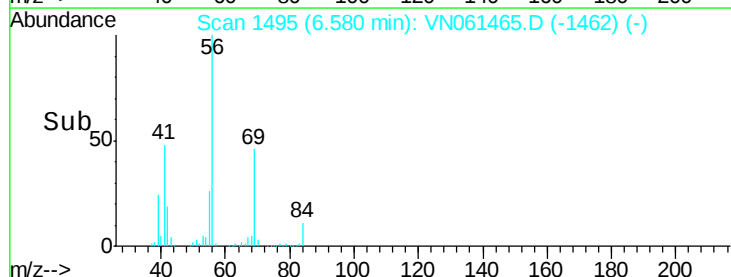
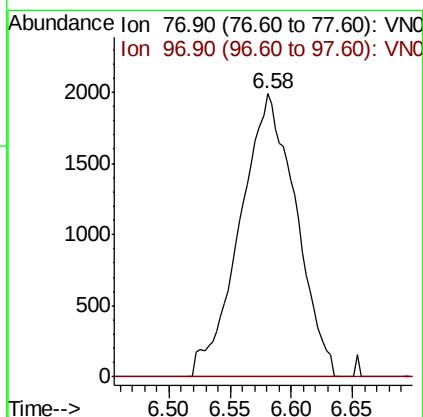
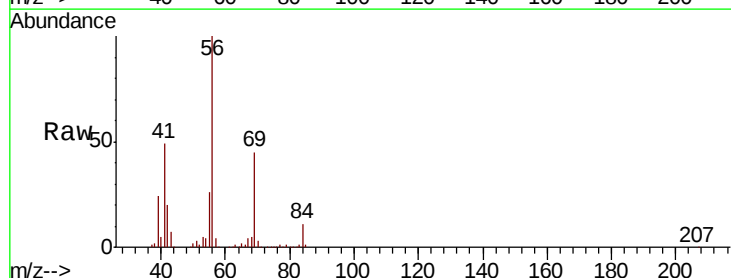
Acq: 19 May 2020 7:19

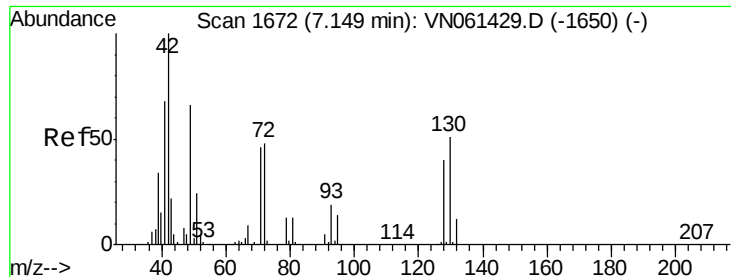
Tgt Ion: 77 Resp: 6331

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#28

Bromochloromethane

Concen: 21.439 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.18 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

MW-3

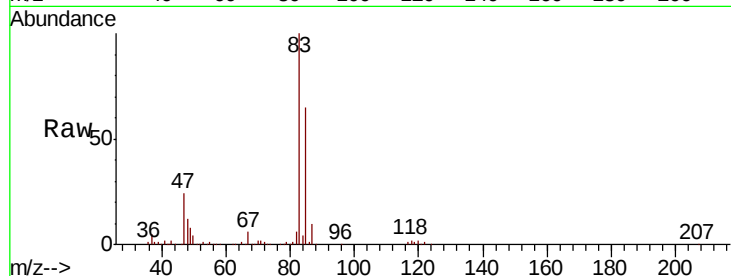
Tot Ion: 49 Resp: 54596

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

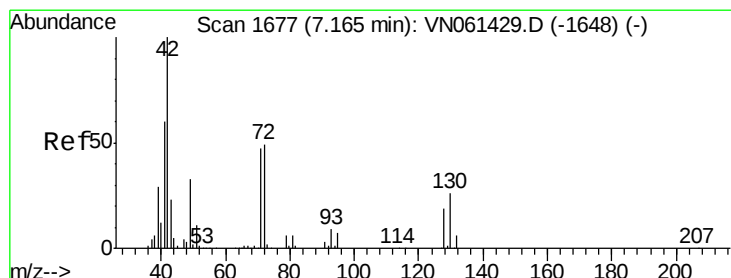
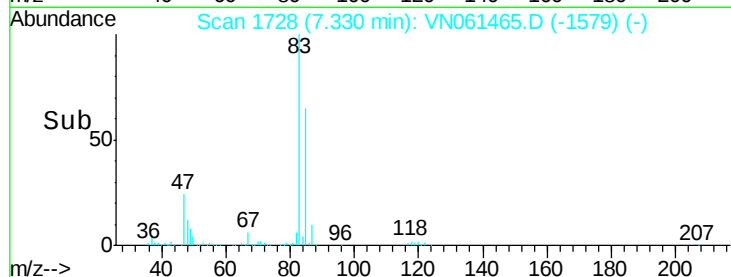
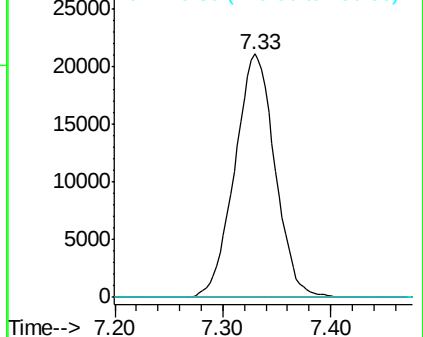
130 0.0 62.2 93.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.274 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

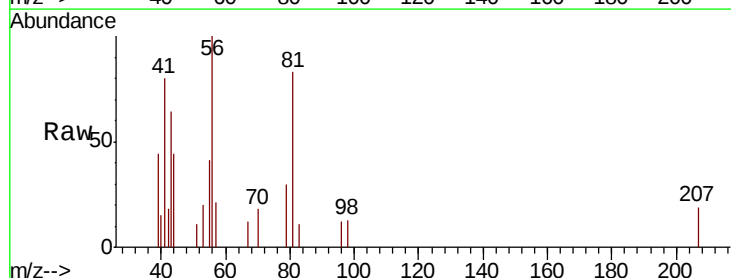
Tgt Ion: 42 Resp: 338

Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.6#

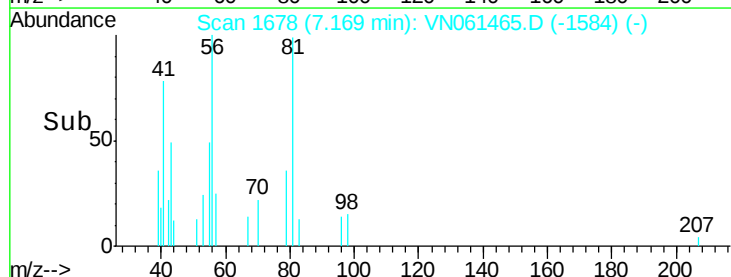
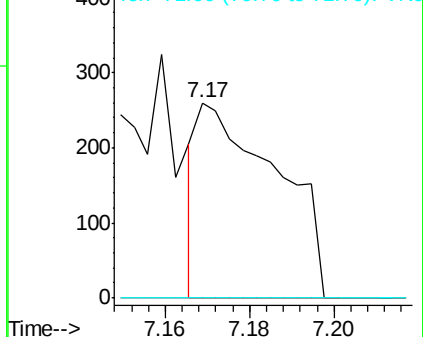
71 0.0 36.9 55.3#

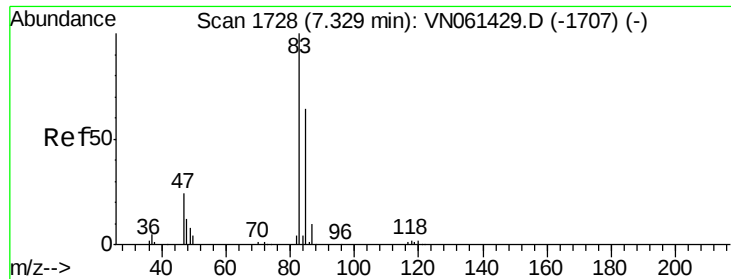


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

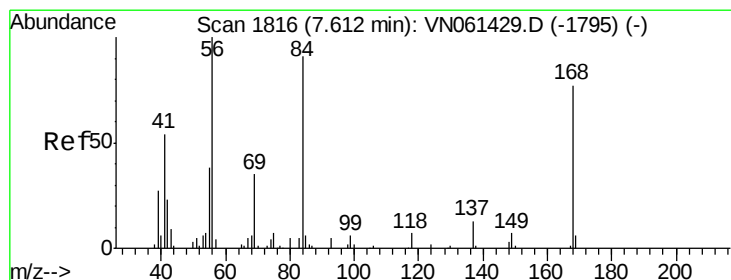
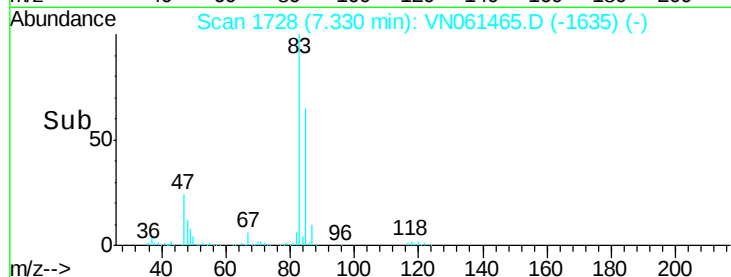
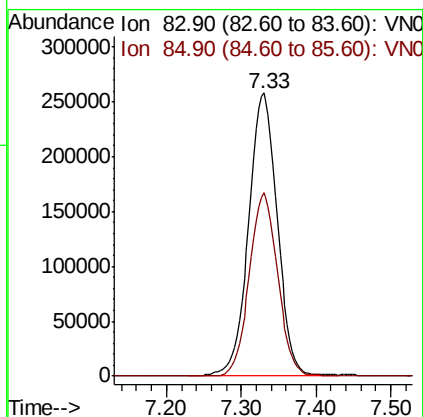
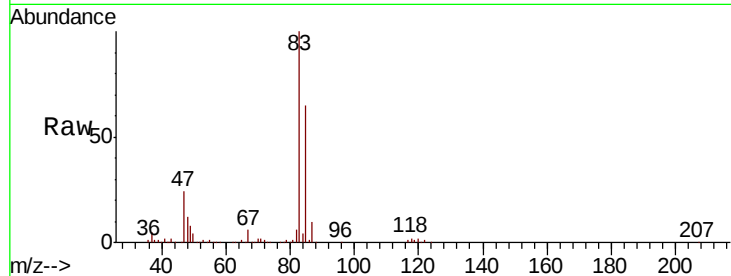




#30
Chloroform
Concen: 110.364 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

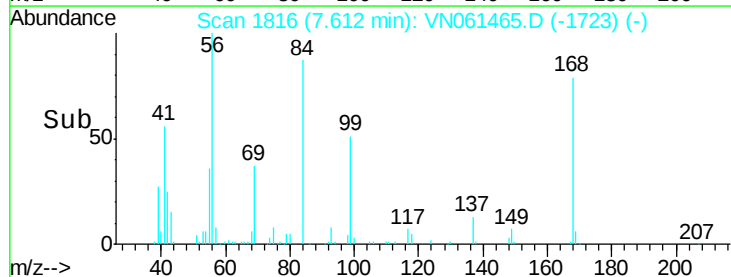
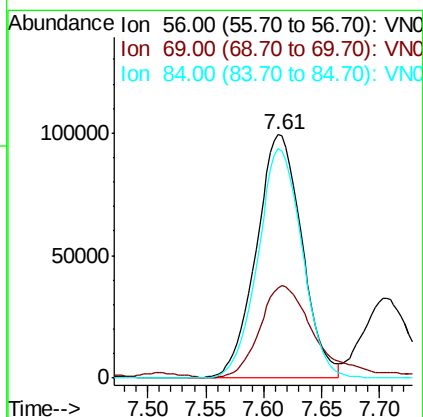
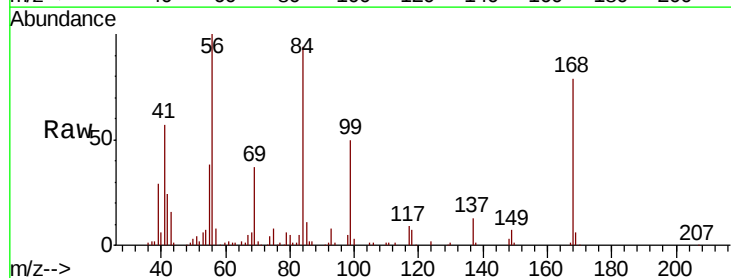
Instrument :
MSVOA_N
ClientSampled :
MW-3

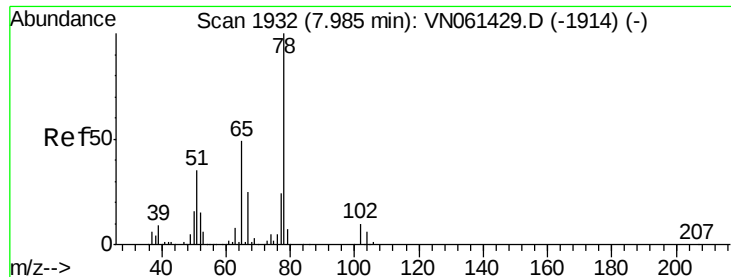
Tot Ion: 83 Resp: 691578
Ion Ratio Lower Upper
83 100
85 64.7 51.0 76.4



#31
Cyclohexane
Concen: 51.232 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion: 56 Resp: 270145
Ion Ratio Lower Upper
56 100
69 36.2 27.8 41.6
84 94.3 72.7 109.1

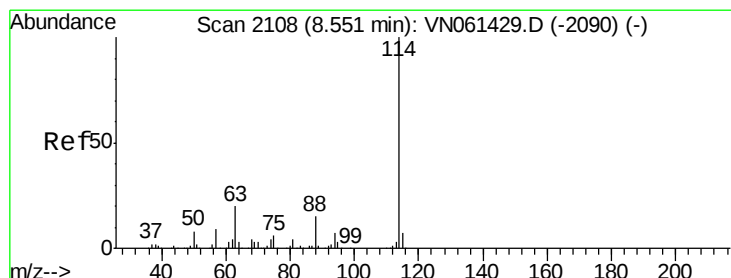
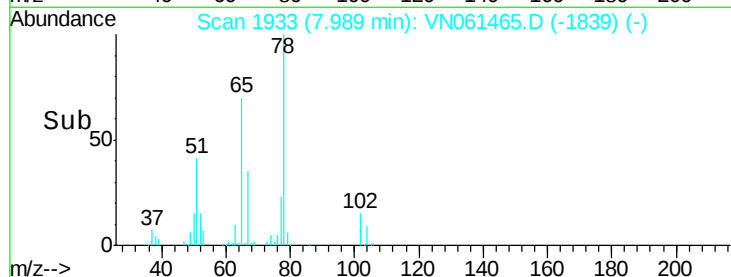
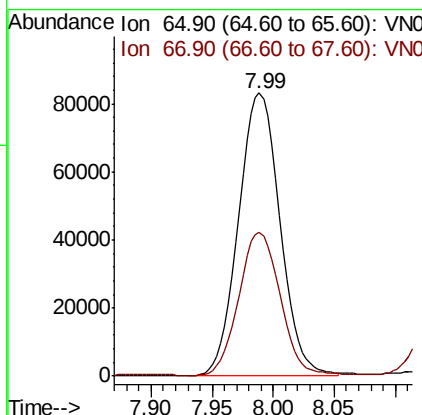
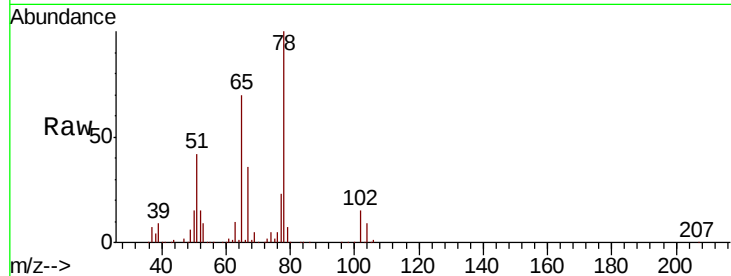




#33
 1,2-Dichloroethane-d4
 Concen: 47.900 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

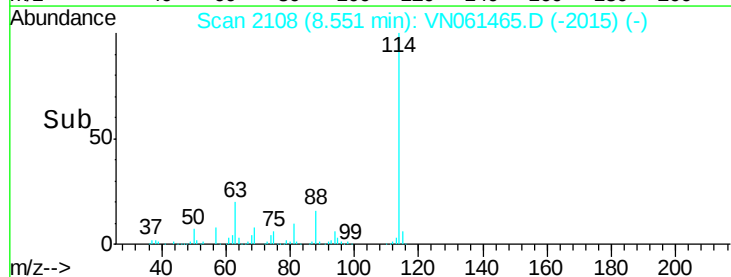
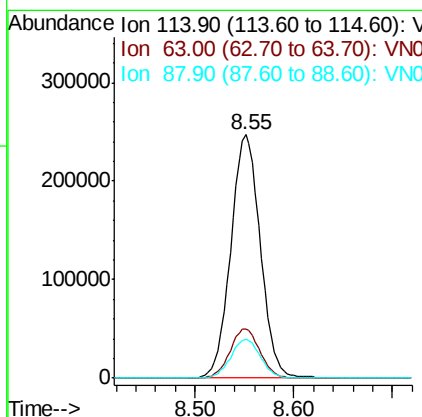
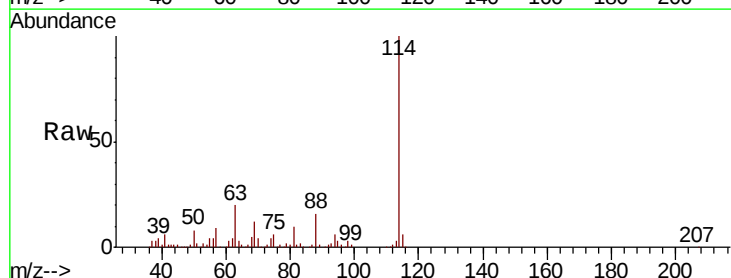
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

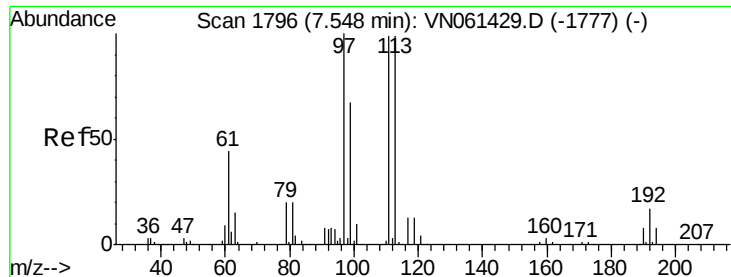
Tot Ion: 65 Resp: 196163
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Tgt Ion: 114 Resp: 515365
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.8 0.0 30.8

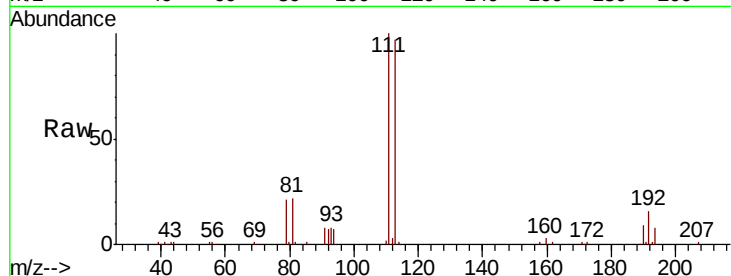




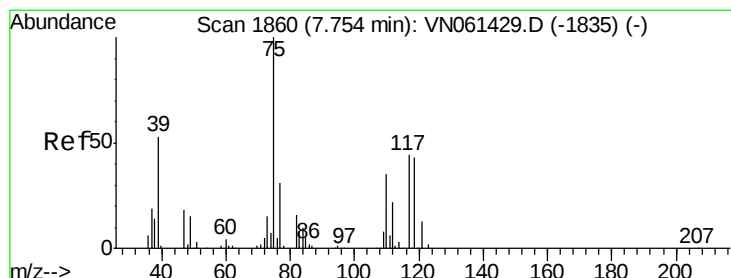
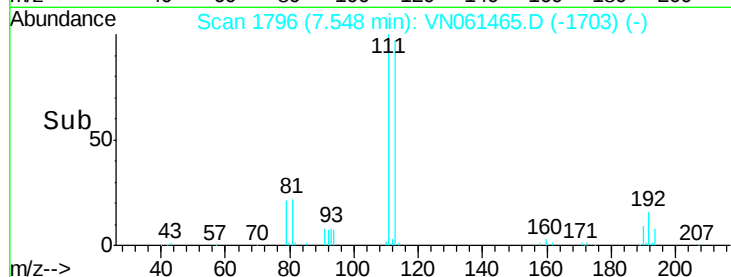
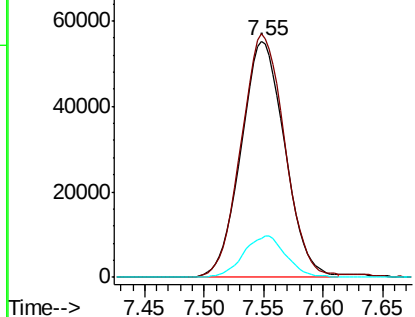
#35
 Dibromofluoromethane
 Concen: 52.067 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

Tot Ion:113 Resp: 140574
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.6 121.0
 192 17.2 13.2 19.8

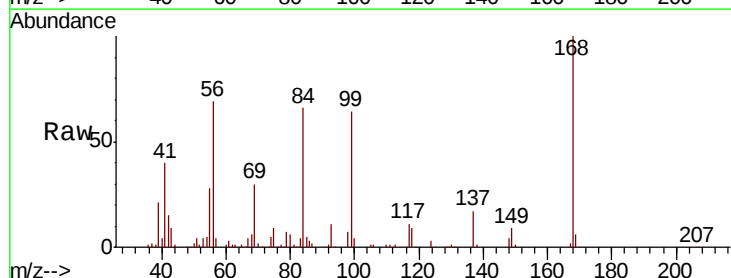


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

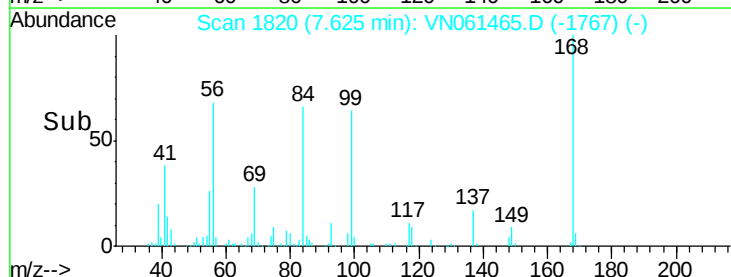
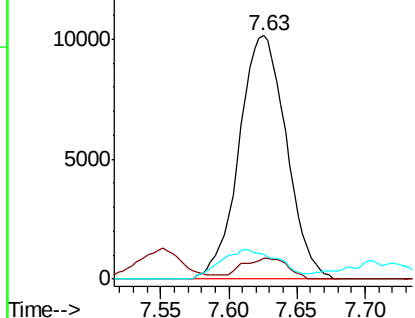


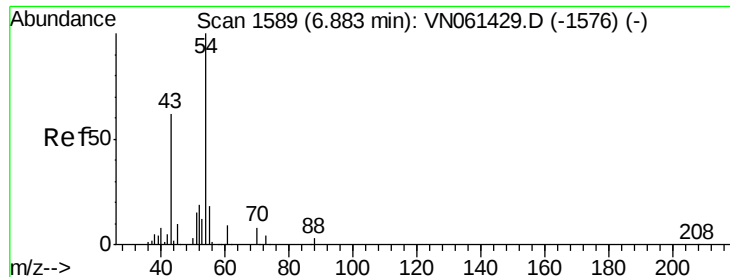
#36
 1,1-Dichloropropene
 Concen: 5.064 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Tgt Ion: 75 Resp: 24403
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.3 51.9#
 77 15.4 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

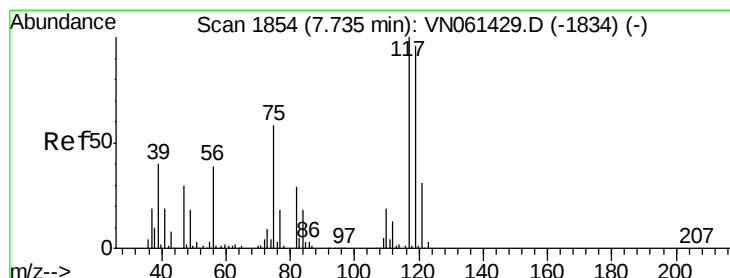
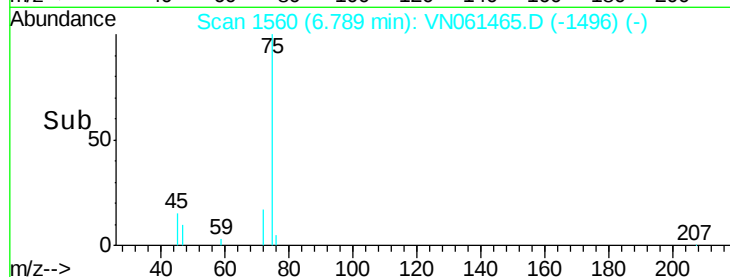
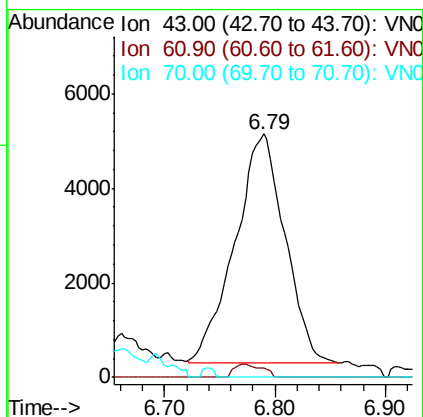
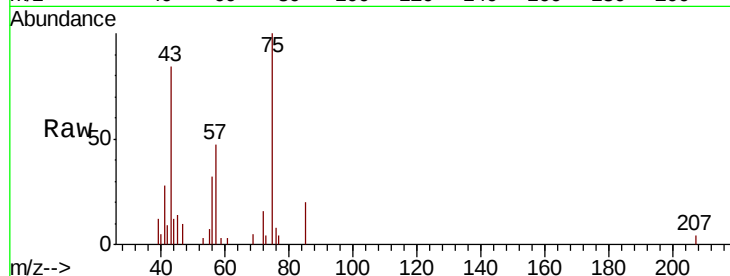




#37
Ethyl Acetate
Concen: 3.498 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.09 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

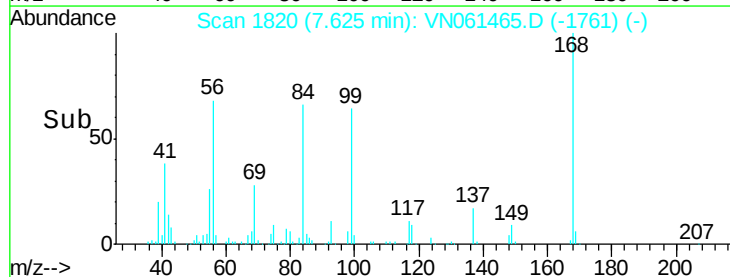
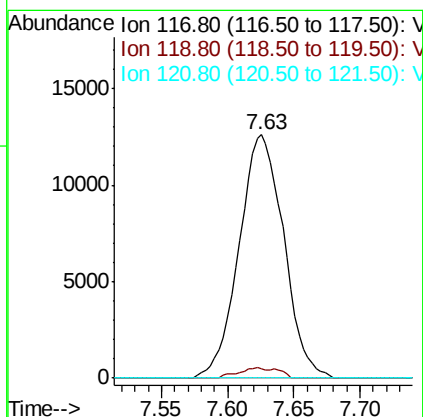
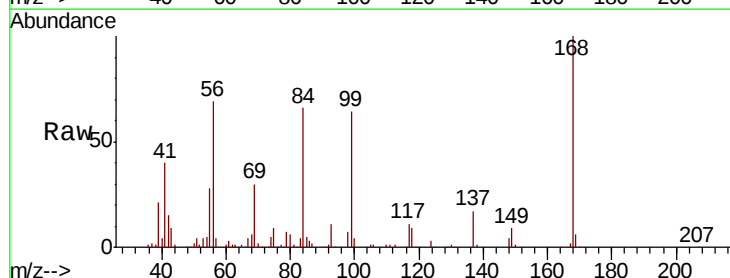
Instrument :
MSVOA_N
ClientSampled :
MW-3

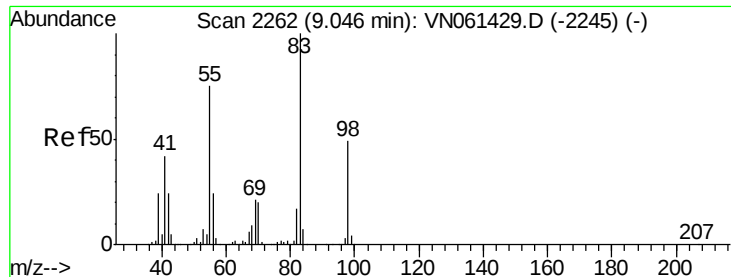
Tot Ion: 43 Resp: 15285
Ion Ratio Lower Upper
43 100
61 3.3 11.7 17.5#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.652 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion: 117 Resp: 29516
Ion Ratio Lower Upper
117 100
119 4.0 77.0 115.6#
121 0.0 24.7 37.1#

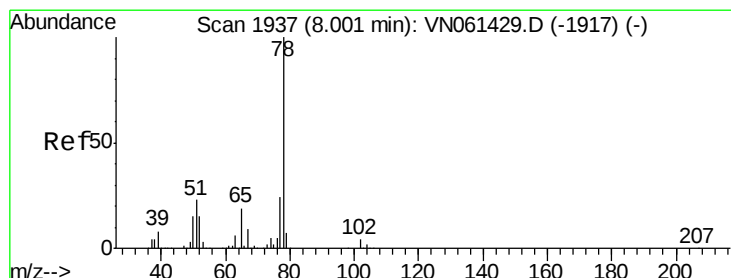
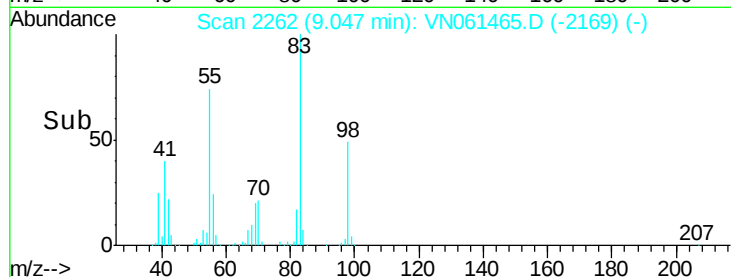
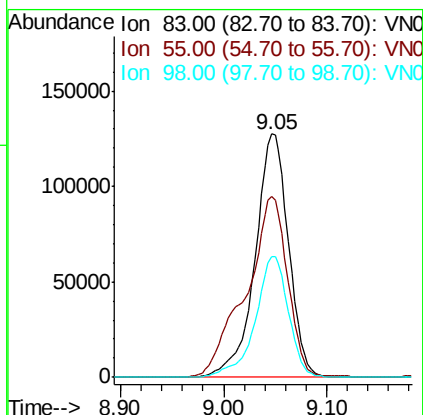
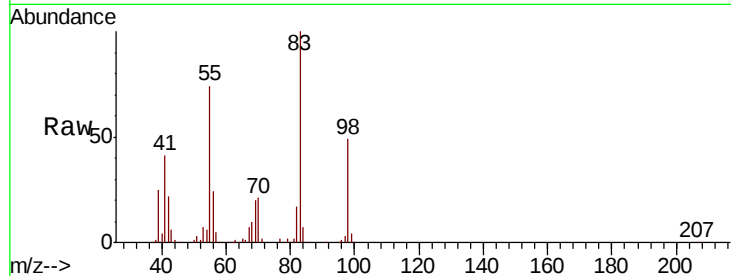




#39
Methvlcvclohexane
Concen: 48.548 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

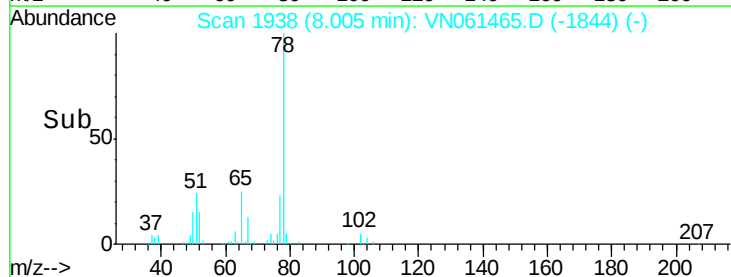
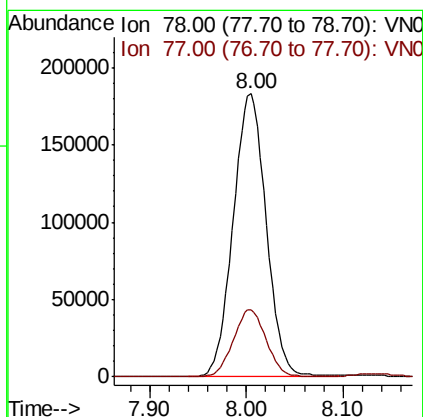
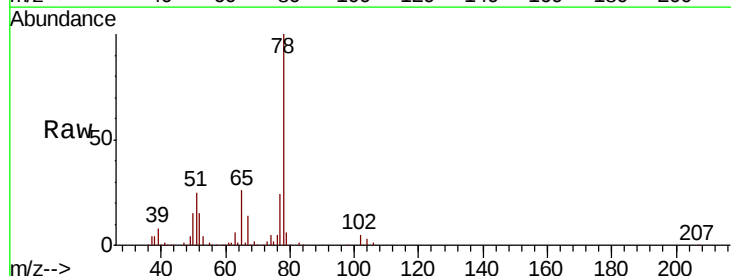
Instrument :
MSVOA_N
ClientSampled :
MW-3

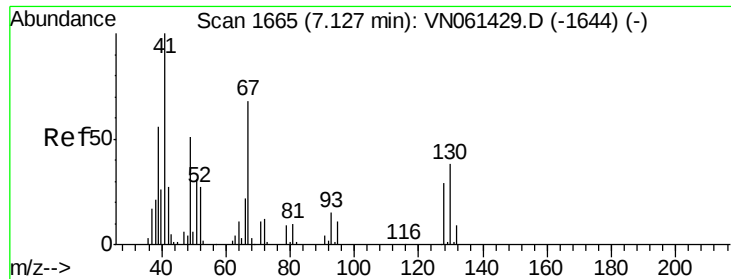
Tot Ion: 83 Resp: 285742
Ion Ratio Lower Upper
83 100
55 74.1 59.7 89.5
98 49.4 38.9 58.3



#40
Benzene
Concen: 29.922 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion: 78 Resp: 434535
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

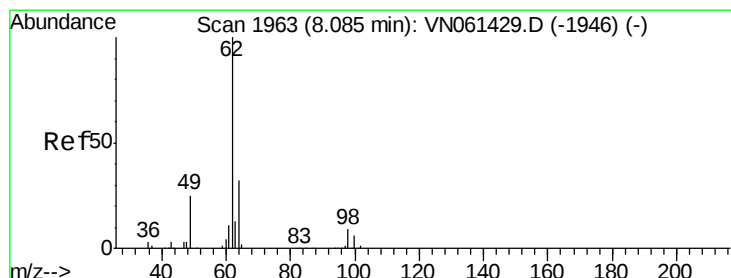
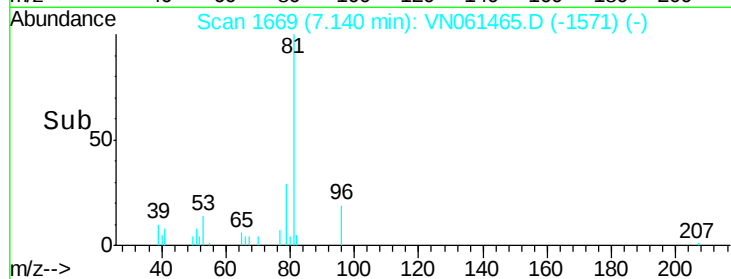
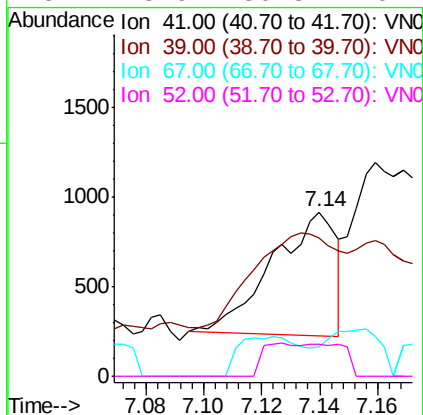
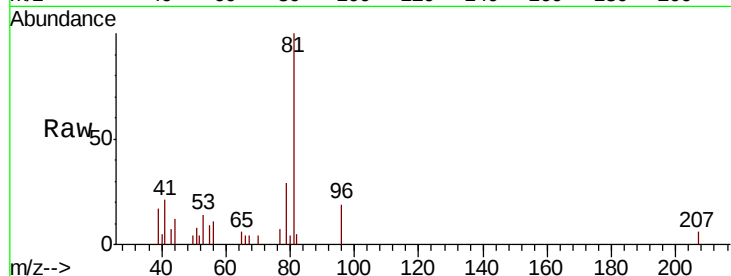




#41
Methacrylonitrile
Concen: 0.573 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

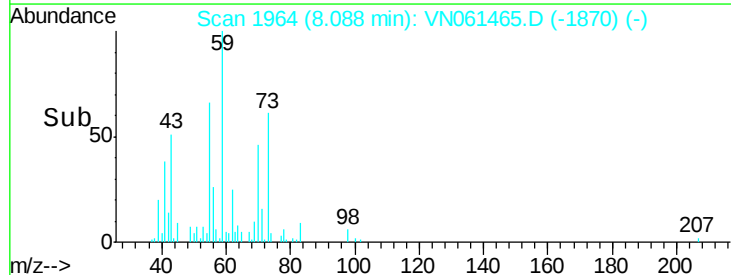
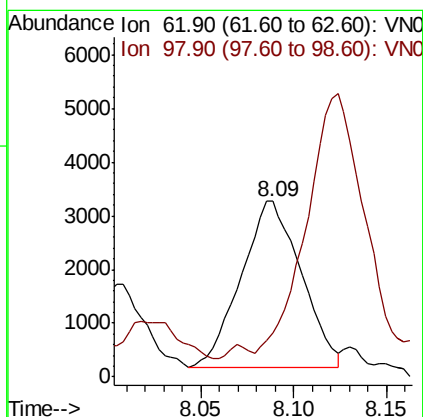
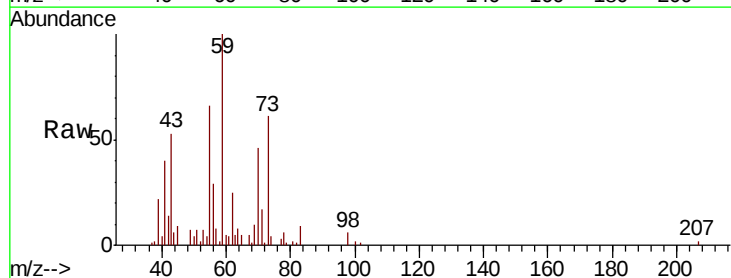
Instrument :
MSVOA_N
ClientSampled :
MW-3

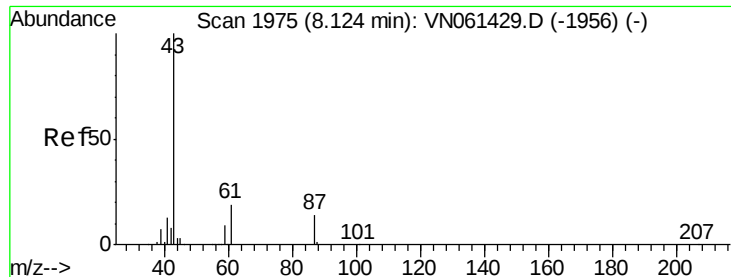
Tot Ion	Ratio	Lower	Upper
41	100		
39	98.4	48.3	72.5#
67	0.0	74.2	111.4#
52	15.9	30.8	46.2#



#42
1,2-Dichloroethane
Concen: 1.335 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 4.107 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampleId :

MW-3

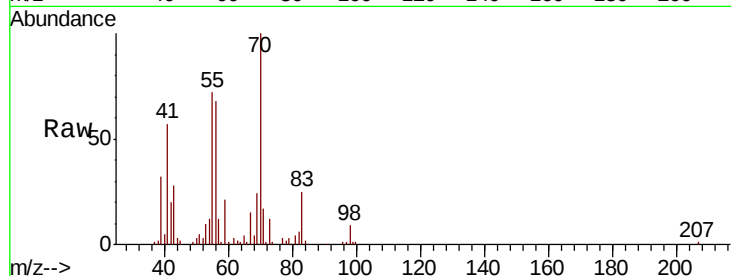
Tot Ion: 43 Resp: 31302

Ion Ratio Lower Upper

43 100

61 1.4 23.0 34.4#

87 0.0 11.6 17.4#

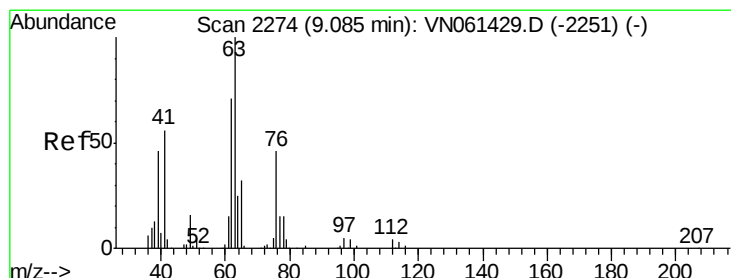
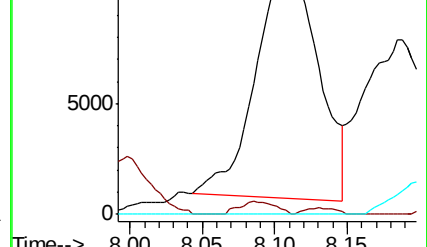
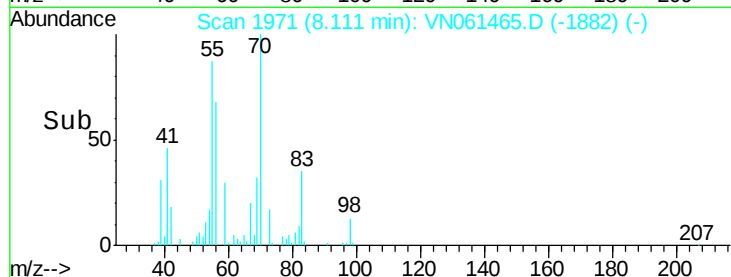


Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.483 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.04 min

Lab File: VN061465.D

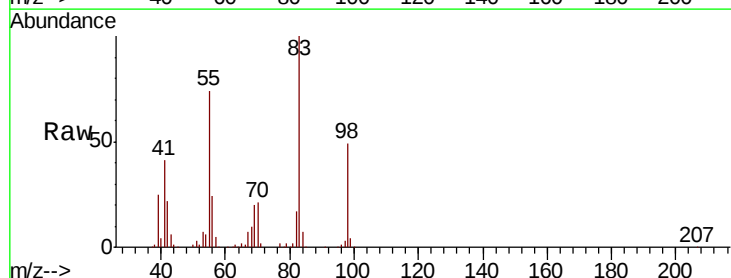
Acq: 19 May 2020 7:19

Tgt Ion: 63 Resp: 1757

Ion Ratio Lower Upper

63 100

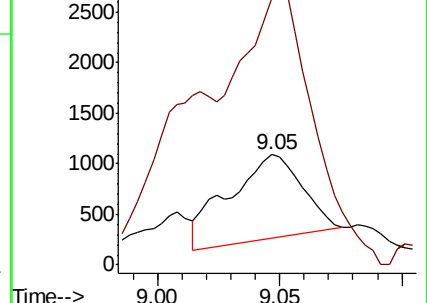
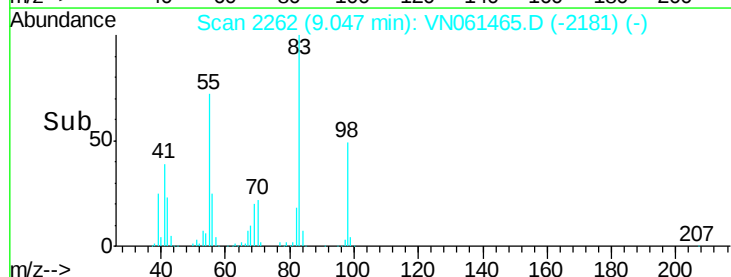
65 291.0 25.2 37.8#

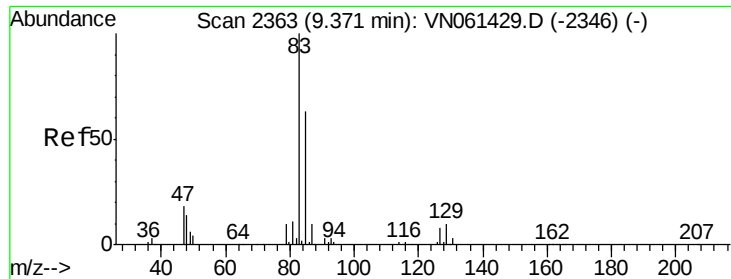


Abundance Ion 62.90 (62.60 to 63.60): VN061429.D (-2251) (-)

Ion 64.90 (64.60 to 65.60): VN061429.D (-2251) (-)

Time-->





#47

Bromodichloromethane

Concen: 0.725 ug/l

RT: 9.35 min Scan# 2357

Delta R.T. -0.02 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

MW-3

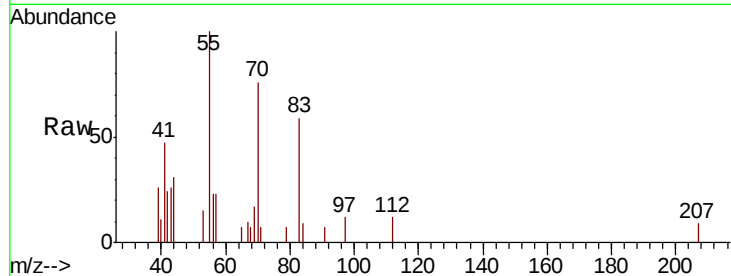
Tot Ion: 83 Resp: 3894

Ion Ratio Lower Upper

83 100

85 0.0 50.6 76.0#

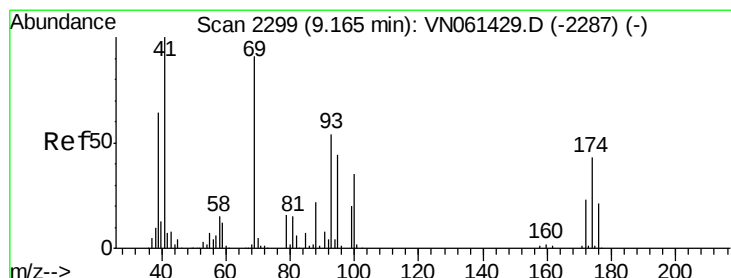
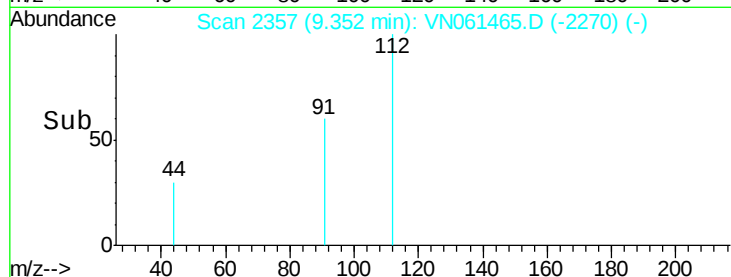
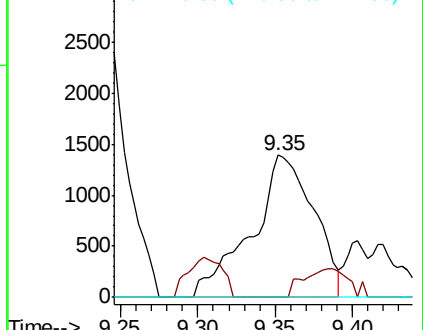
127 0.0 6.1 9.1#



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061429.D (-2346) (-)



#48

Methyl methacrylate

Concen: 8.992 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.07 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

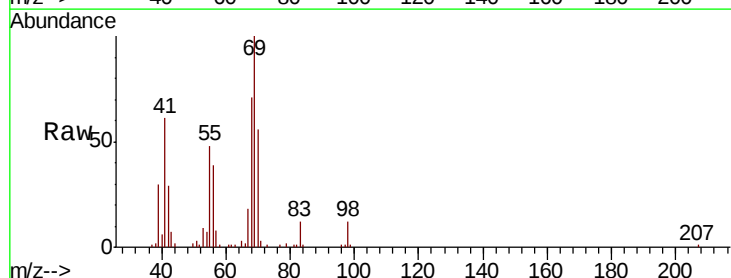
Tgt Ion: 41 Resp: 31662

Ion Ratio Lower Upper

41 100

69 167.3 75.3 112.9#

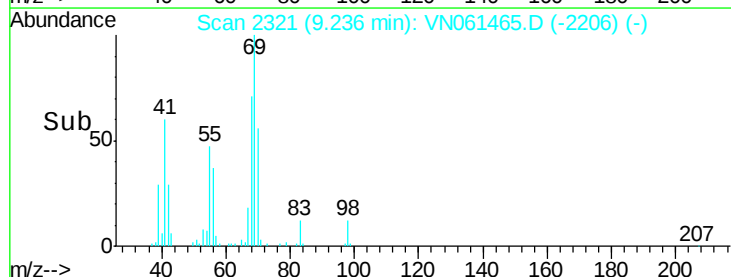
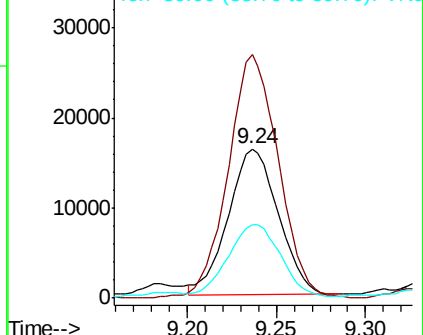
39 51.4 52.6 79.0#

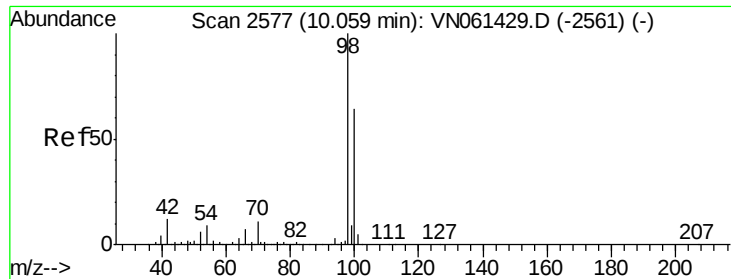


Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061429.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-2287) (-)





#50

Toluene-d8

Concen: 52.046 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

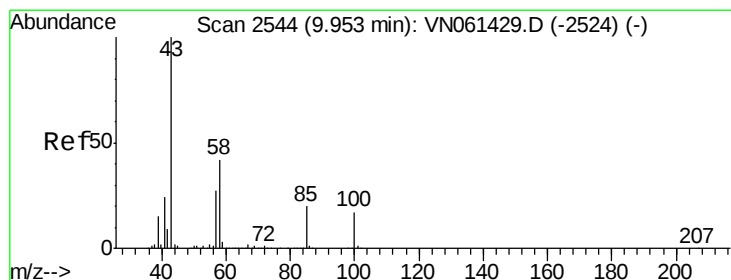
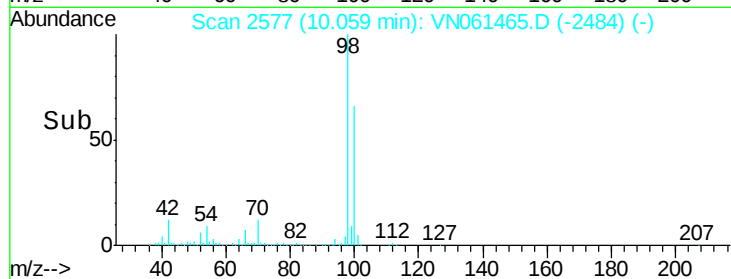
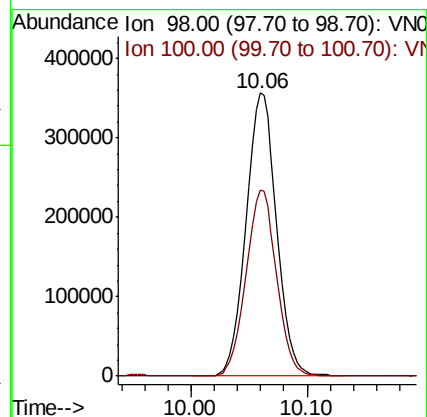
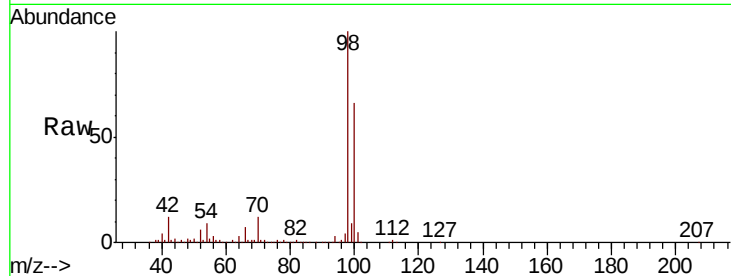
MW-3

Tot Ion: 98 Resp: 651755

Ion Ratio Lower Upper

98 100

100 65.9 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 6.423 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061465.D

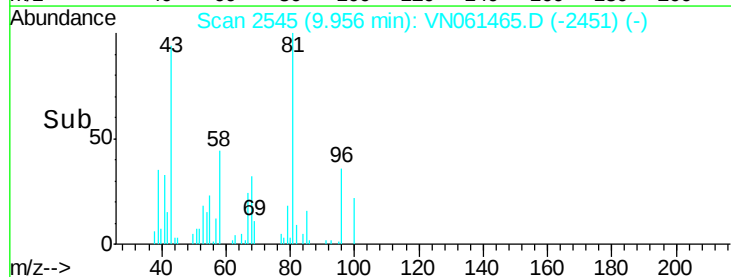
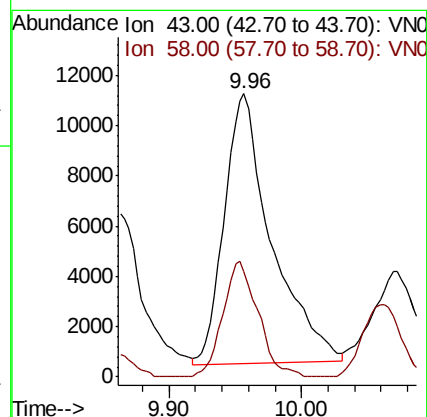
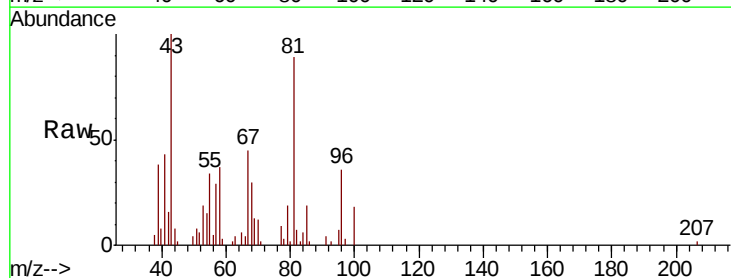
Acq: 19 May 2020 7:19

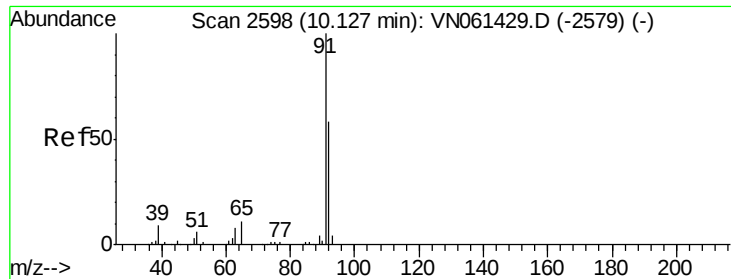
Tgt Ion: 43 Resp: 26668

Ion Ratio Lower Upper

43 100

58 31.8 33.4 50.2#





#52

Toluene

Concen: 5.563 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

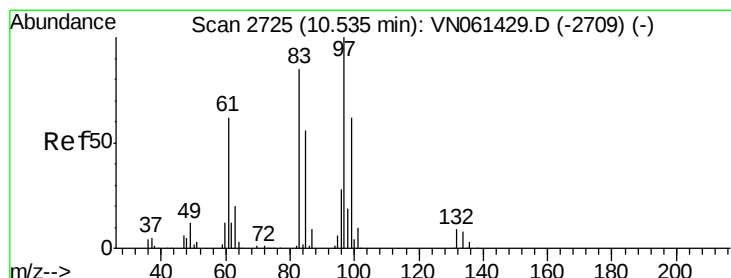
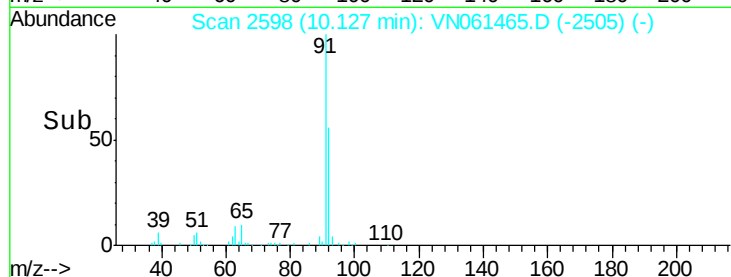
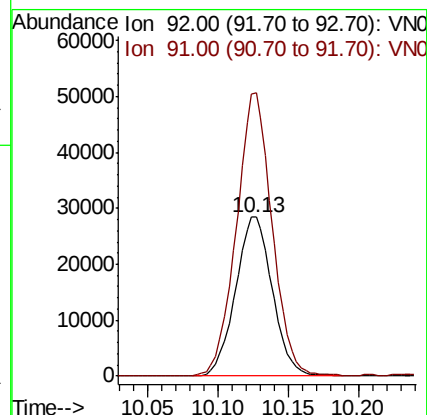
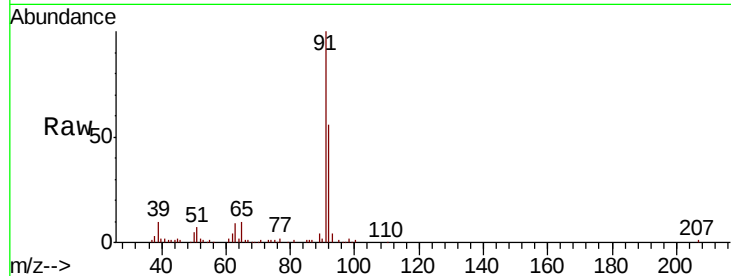
MW-3

Tot Ion: 92 Resp: 51865

Ion Ratio Lower Upper

92 100

91 173.1 138.0 207.0



#55

1,1,2-Trichloroethane

Concen: 5.315 ug/l

RT: 10.50 min Scan# 2715

Delta R.T. -0.03 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Tgt Ion: 97 Resp: 18734

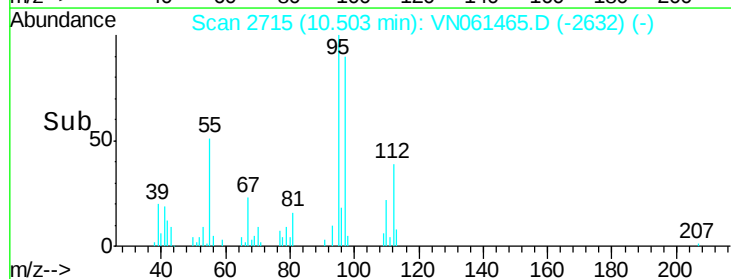
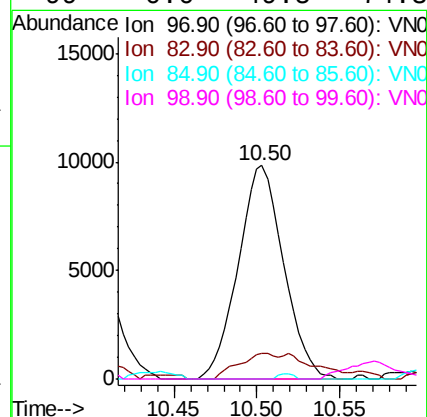
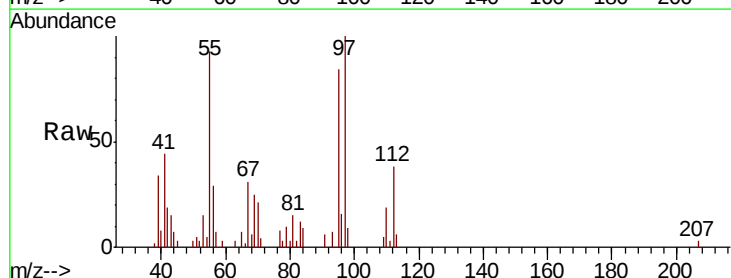
Ion Ratio Lower Upper

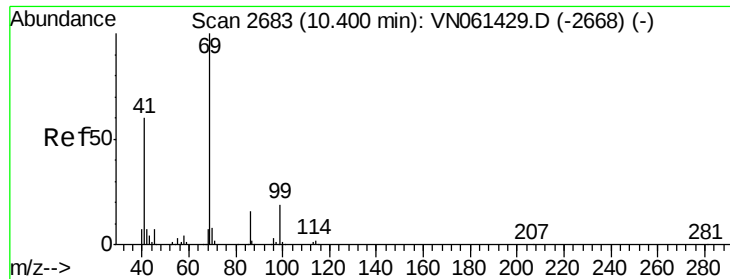
97 100

83 12.3 68.2 102.4#

85 0.0 44.6 67.0#

99 0.0 49.5 74.3#





#56

Ethyl methacrylate

Concen: 0.469 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

MW-3

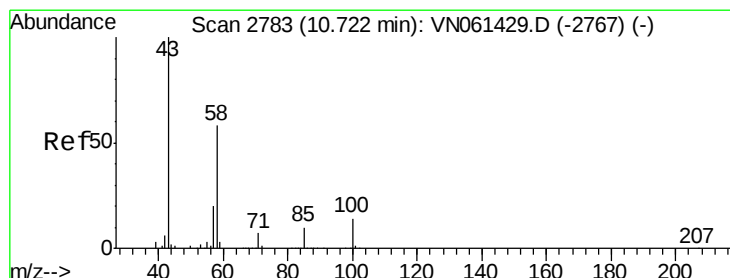
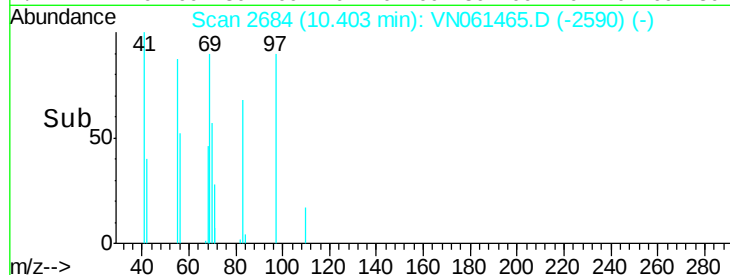
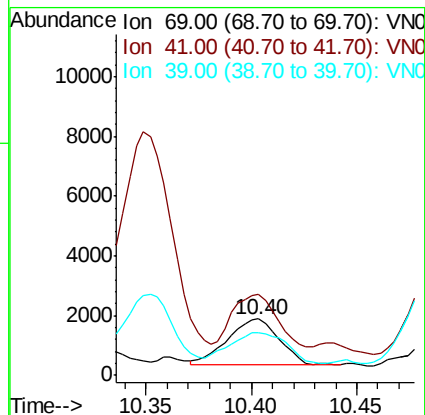
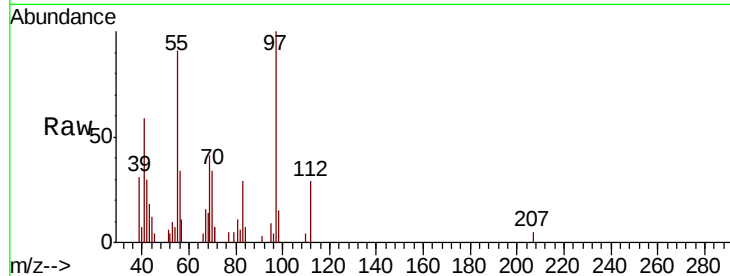
Tot Ion: 69 Resp: 2585

Ion Ratio Lower Upper

69 100

41 96.0 48.3 72.5#

39 74.1 30.2 45.2#



#59

2-Hexanone

Concen: 1.594 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN061465.D

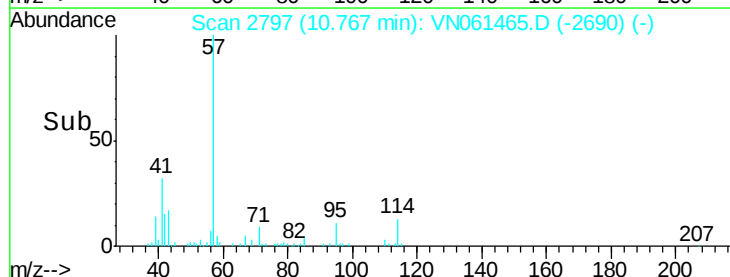
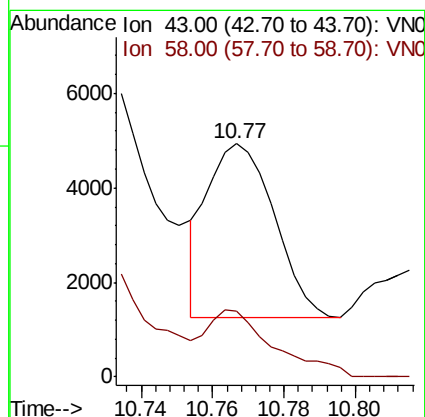
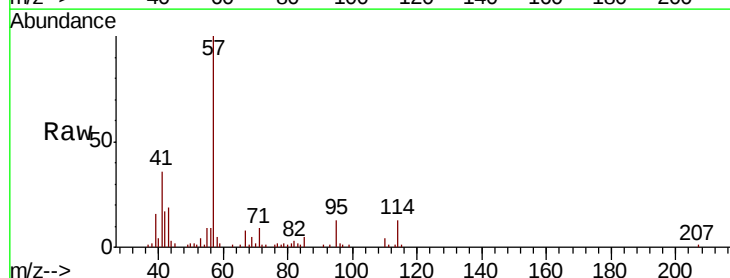
Acq: 19 May 2020 7:19

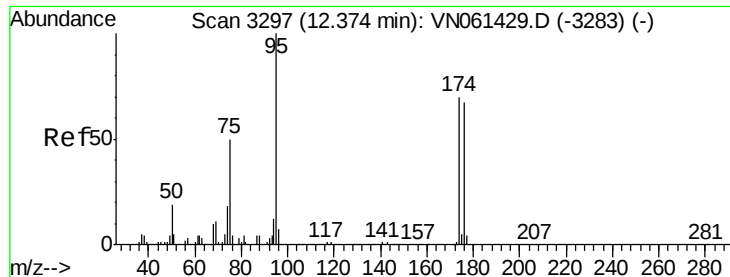
Tgt Ion: 43 Resp: 4787

Ion Ratio Lower Upper

43 100

58 38.9 29.2 87.6





#62

4-Bromofluorobenzene

Concen: 61.152 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampleId :

MW-3

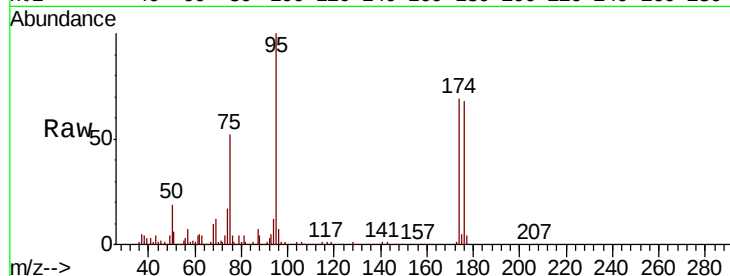
Tot Ion: 95 Resp: 286103

Ion Ratio Lower Upper

95 100

174 71.8 0.0 141.2

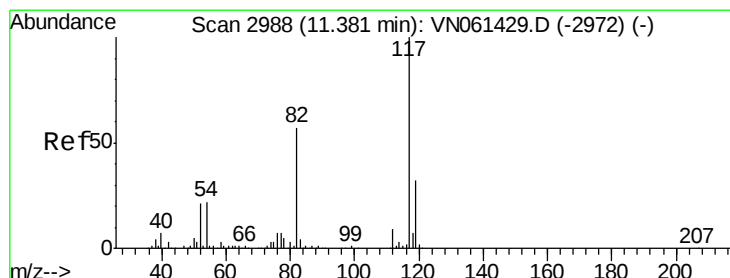
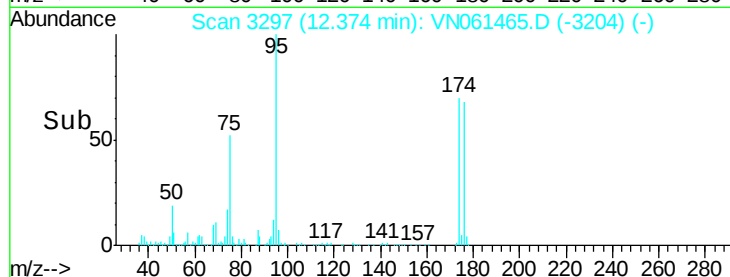
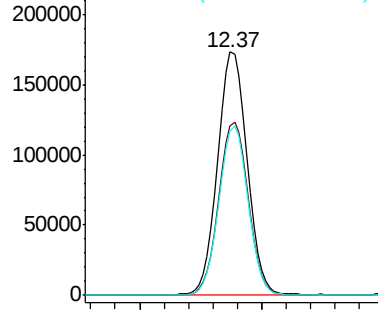
176 69.4 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN061429.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061429.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061429.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

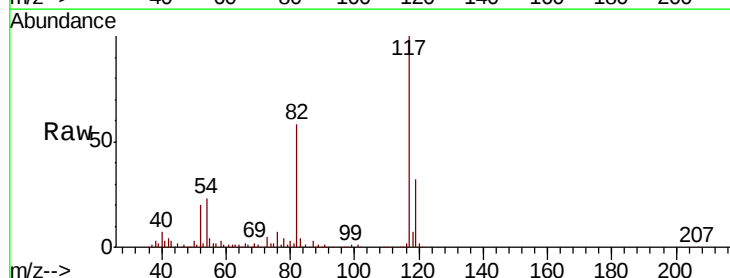
Tgt Ion: 117 Resp: 512562

Ion Ratio Lower Upper

117 100

82 57.7 45.2 67.8

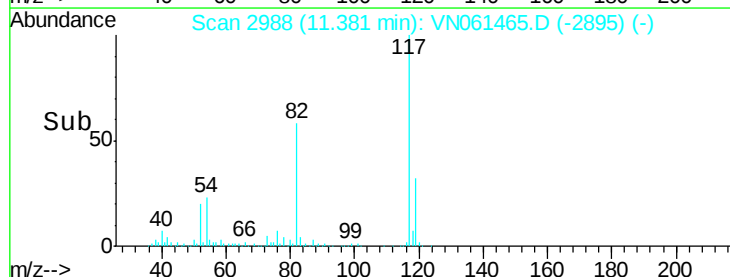
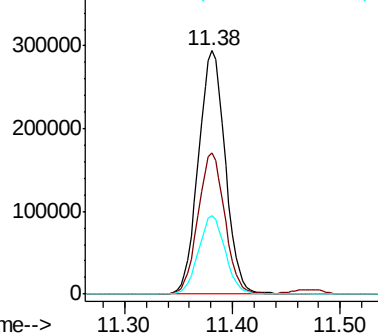
119 32.1 25.3 37.9

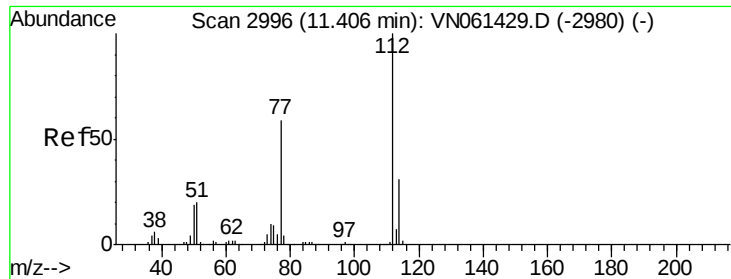


Abundance Ion 116.90 (116.60 to 117.60): VN061429.D (-2972) (-)

Ion 82.00 (81.70 to 82.70): VN061429.D (-2972) (-)

Ion 118.90 (118.60 to 119.60): VN061429.D (-2972) (-)





#65

Chlorobenzene

Concen: 0.446 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

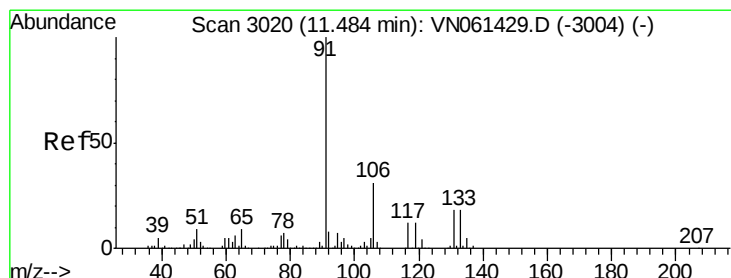
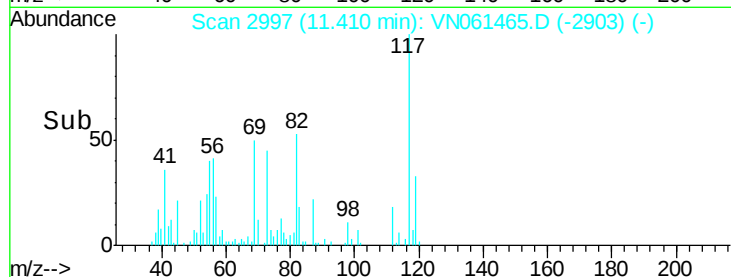
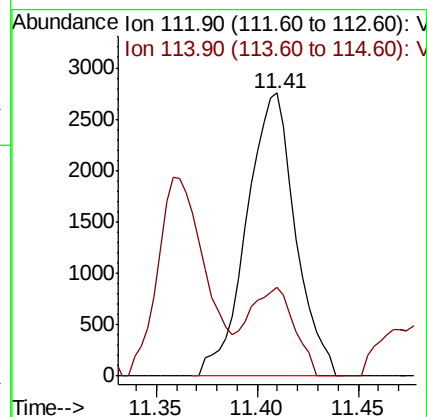
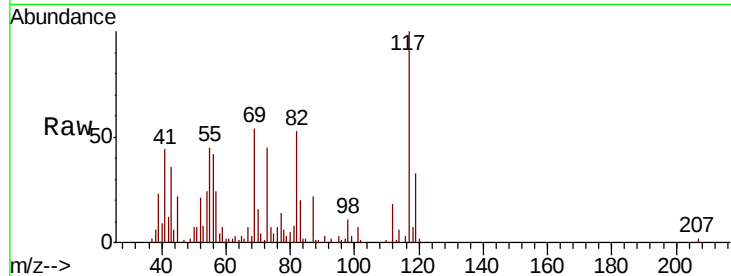
MW-3

Tot Ion:112 Resp: 4657

Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6



#67

Ethyl Benzene

Concen: 382.273 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. 0.00 min

Lab File: VN061465.D

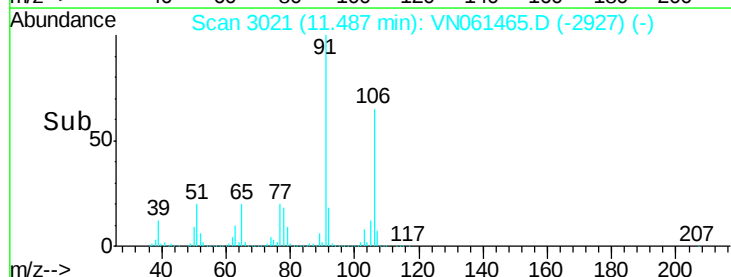
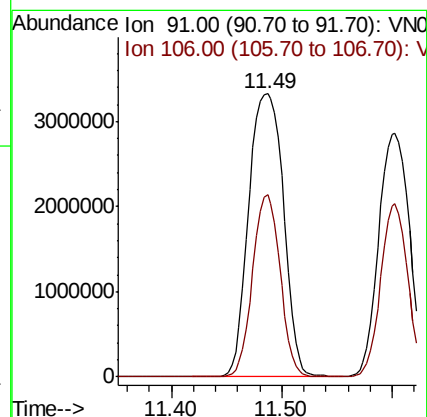
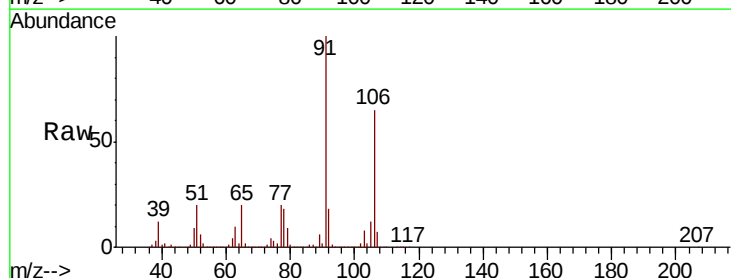
Acq: 19 May 2020 7:19

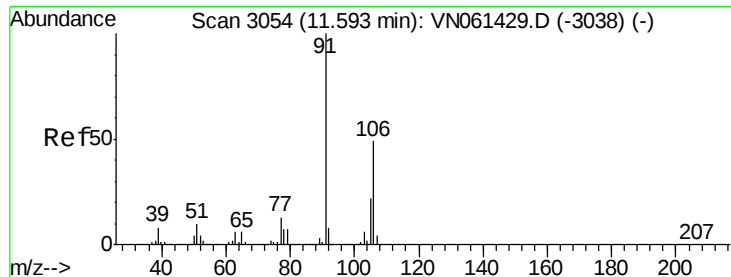
Tgt Ion: 91 Resp: 7293611

Ion Ratio Lower Upper

91 100

106 64.6 24.6 36.8#

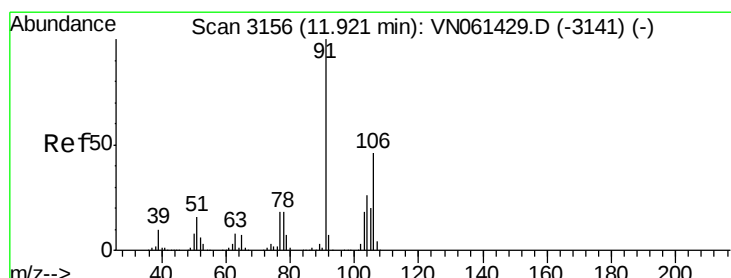
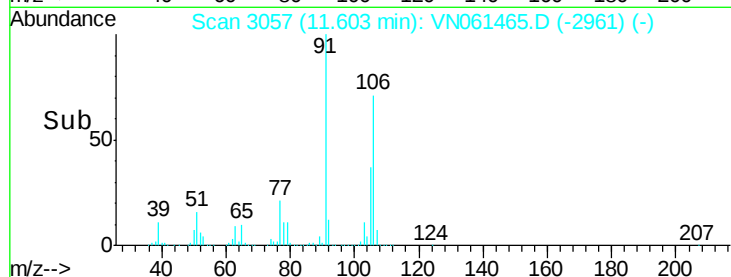
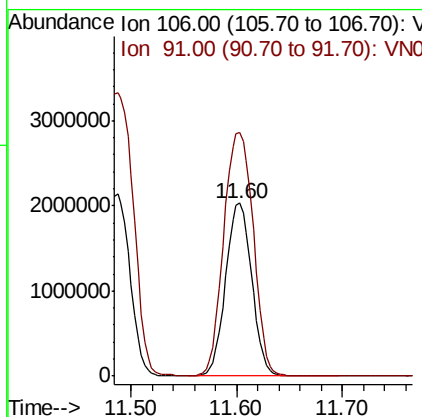
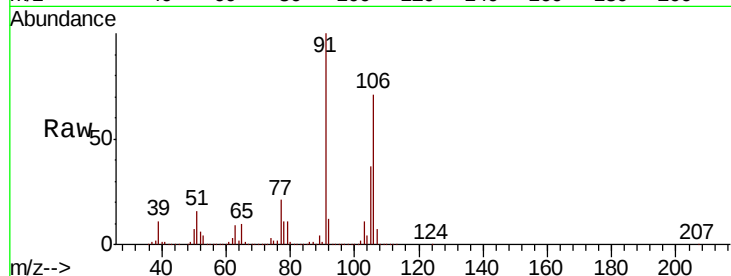




#68
m/p-Xylenes
Concen: 479.449 ug/l
RT: 11.60 min Scan# 3057
Delta R.T. 0.01 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

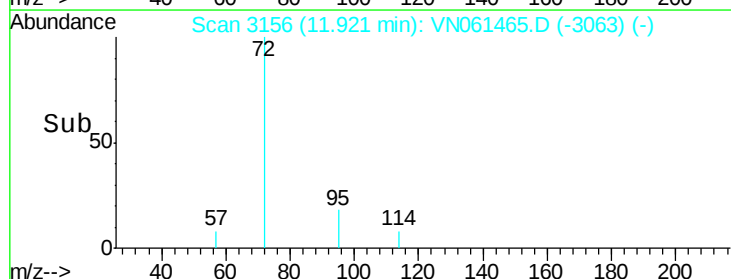
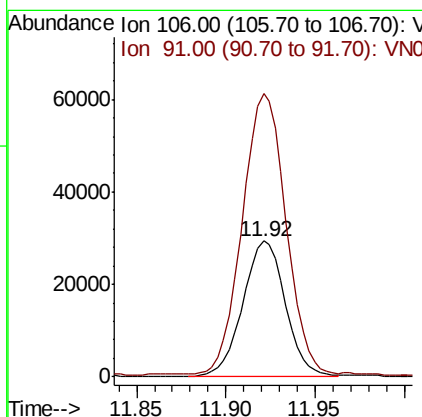
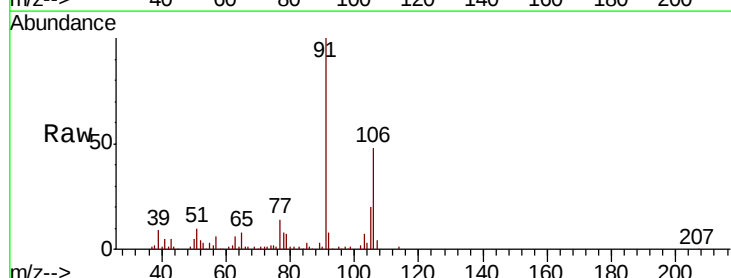
Instrument :
MSVOA_N
ClientSampled :
MW-3

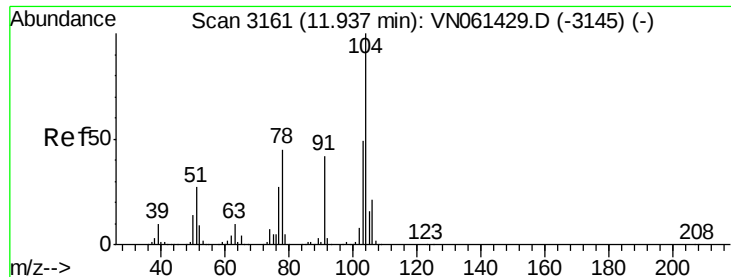
Tot Ion:106 Resp: 3472211
Ion Ratio Lower Upper
106 100
91 160.2 163.0 244.6#



#69
o-Xylene
Concen: 6.997 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion:106 Resp: 49040
Ion Ratio Lower Upper
106 100
91 213.0 107.9 323.7

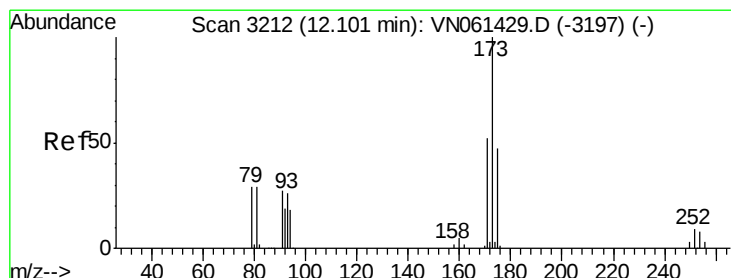
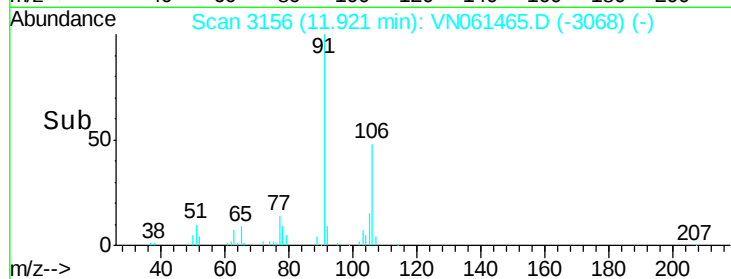
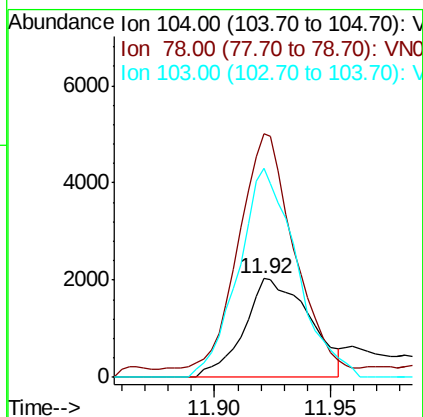
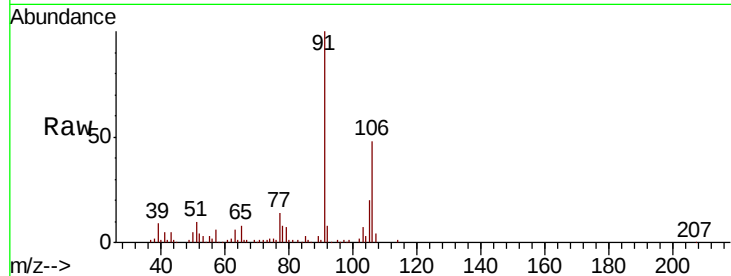




#70
Stvrene
Concen: 0.343 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.02 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

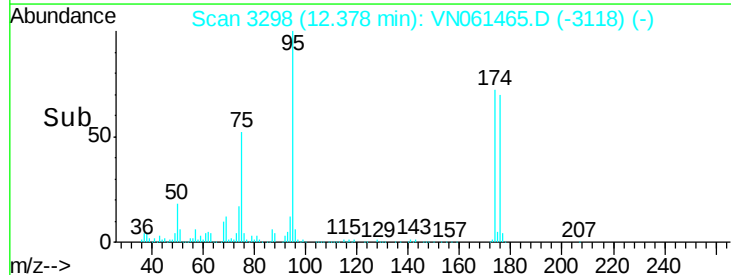
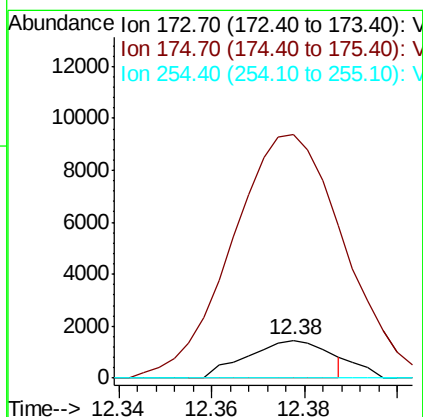
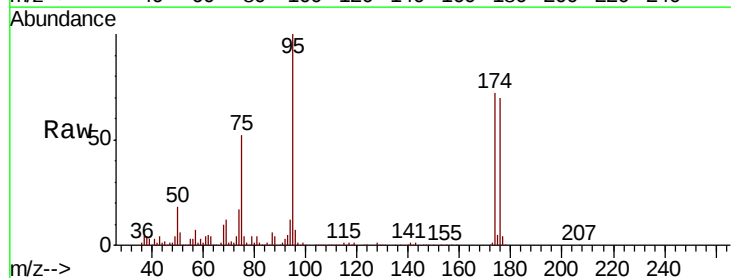
Instrument :
MSVOA_N
ClientSampleId :
MW-3

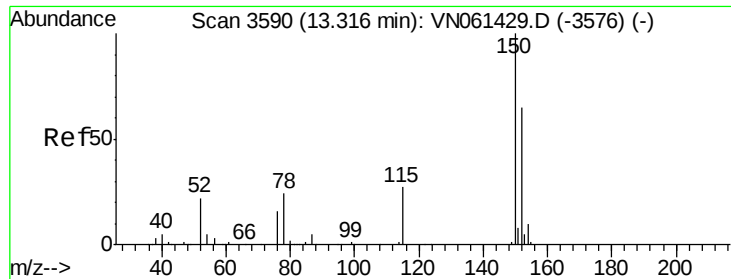
Tot Ion:104 Resp: 3977
Ion Ratio Lower Upper
104 100
78 201.1 40.7 61.1#
103 188.9 43.0 64.4#



#71
Bromoform
Concen: 2.599 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion:173 Resp: 1756
Ion Ratio Lower Upper
173 100
175 778.3 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampleId :

MW-3

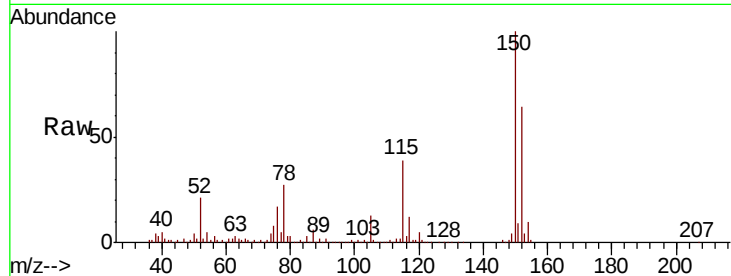
Tot Ion:152 Resp: 295436

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.5

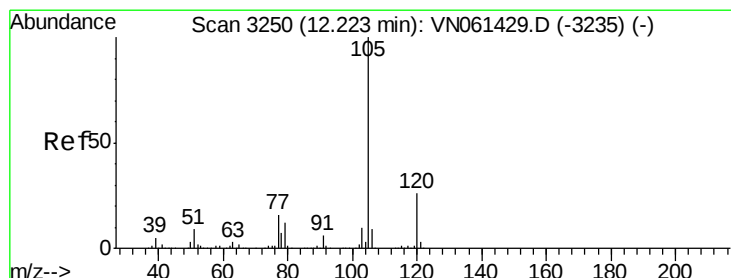
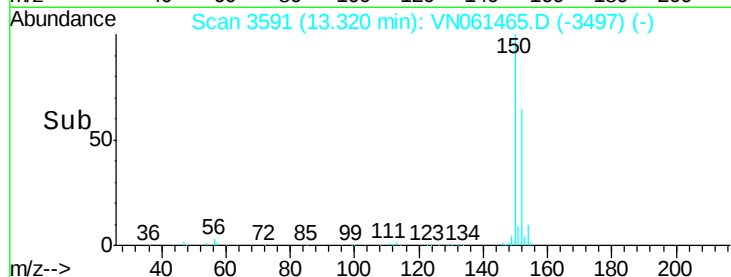
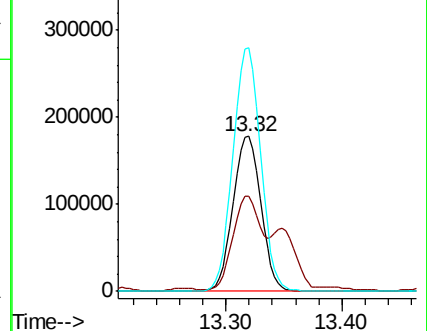
150 156.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 37.798 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061465.D

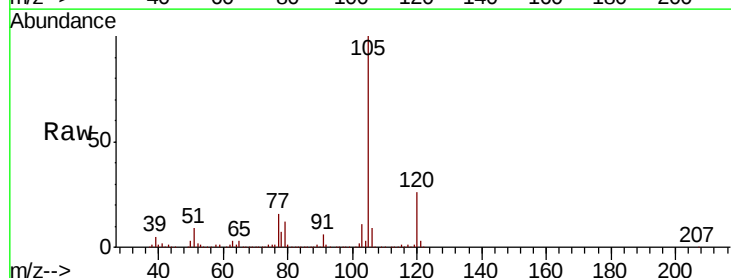
Acq: 19 May 2020 7:19

Tgt Ion:105 Resp: 896460

Ion Ratio Lower Upper

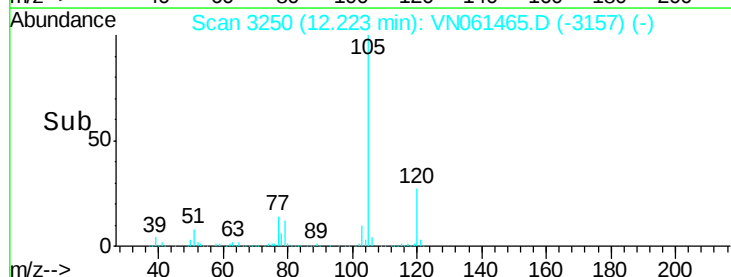
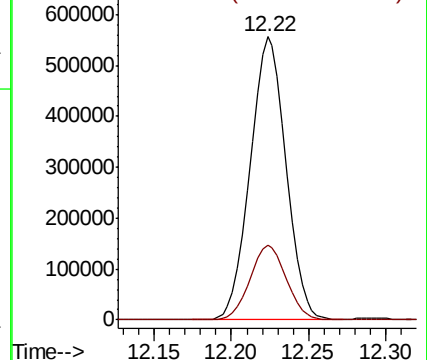
105 100

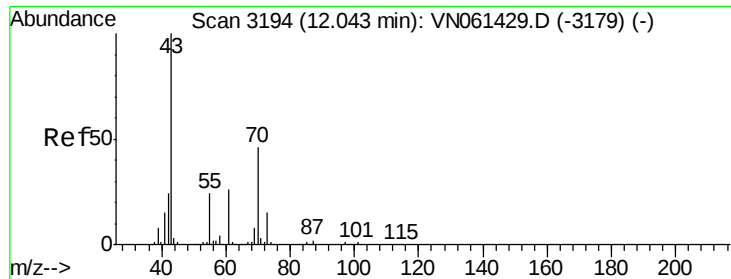
120 26.6 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.212 ug/l

RT: 12.00 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion: 43 Resp: 10522

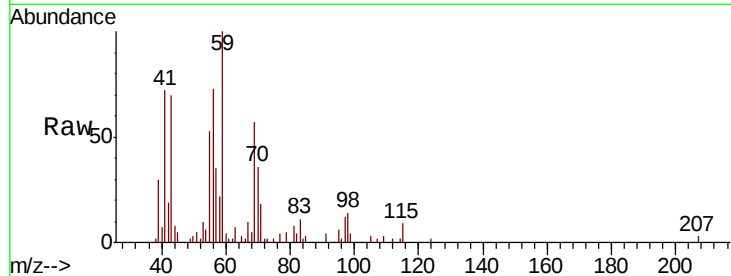
Ion Ratio Lower Upper

43 100

70 85.8 37.0 55.4#

55 97.6 19.5 29.3#

61 1.0 20.8 31.2#

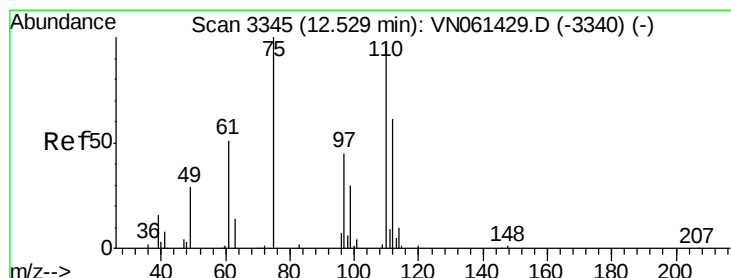
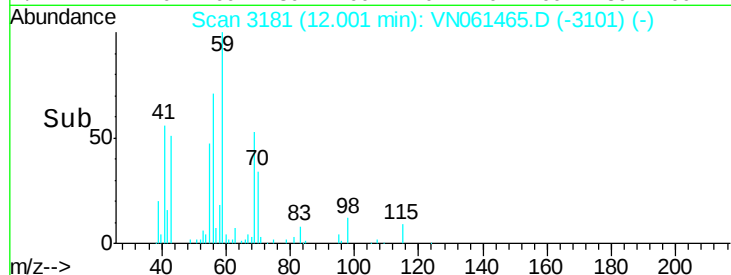
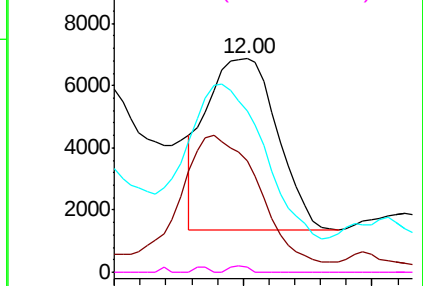


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 2.788 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.04 min

Lab File: VN061465.D

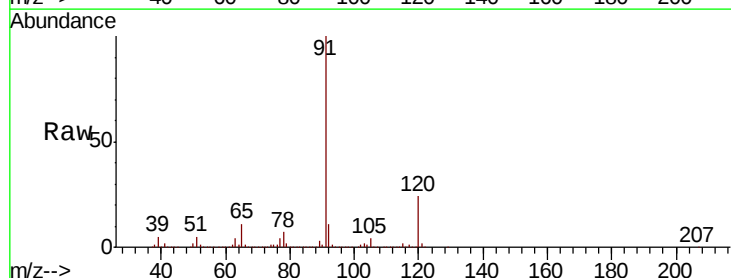
Acq: 19 May 2020 7:19

Tgt Ion: 75 Resp: 17673

Ion Ratio Lower Upper

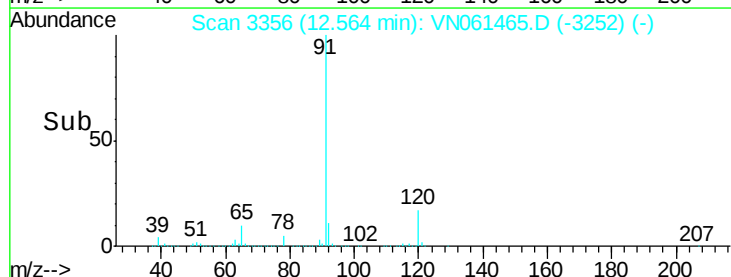
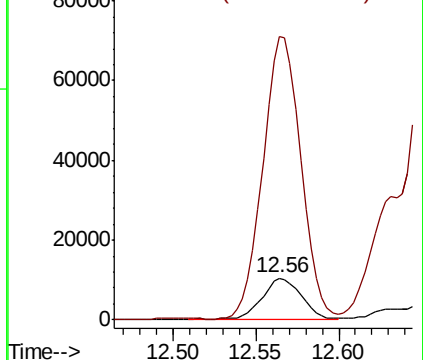
75 100

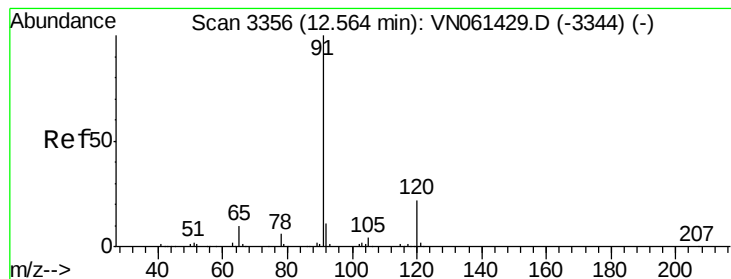
77 639.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 103.258 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

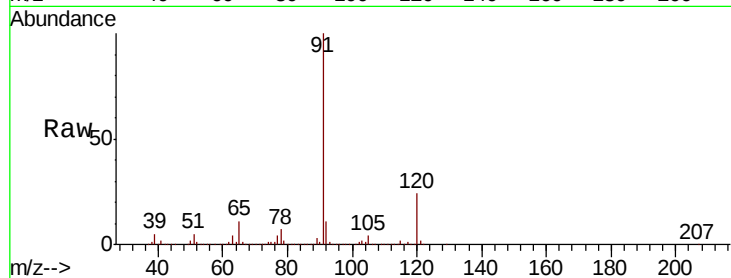
MW-3

Tot Ion: 91 Resp: 2790393

Ion Ratio Lower Upper

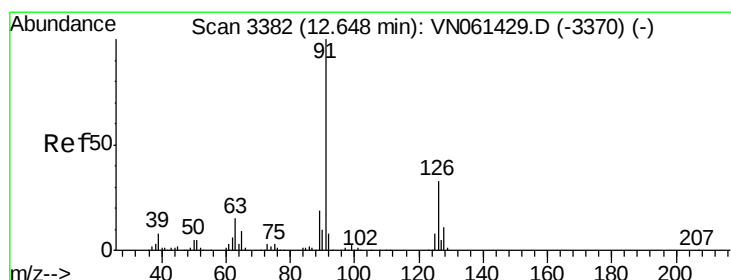
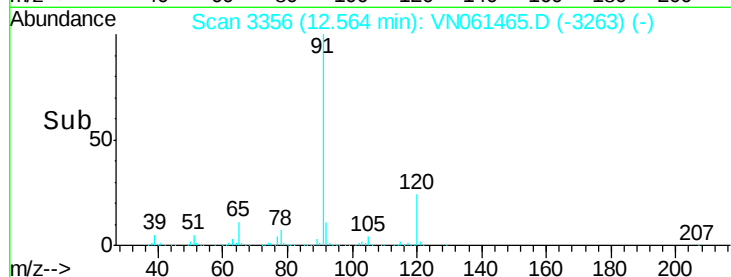
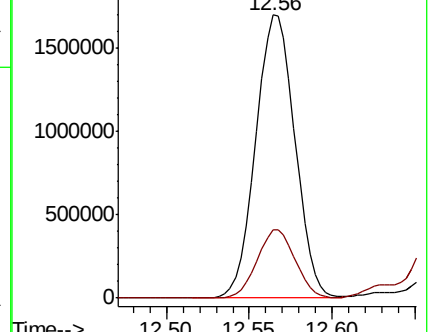
91 100

120 23.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3344) (-)



#79

2-Chlorotoluene

Concen: 20.006 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VN061465.D

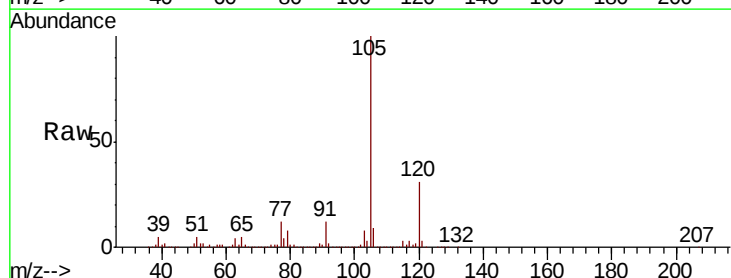
Acq: 19 May 2020 7:19

Tgt Ion: 91 Resp: 319556

Ion Ratio Lower Upper

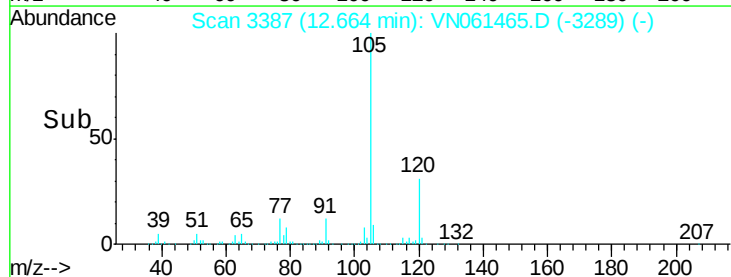
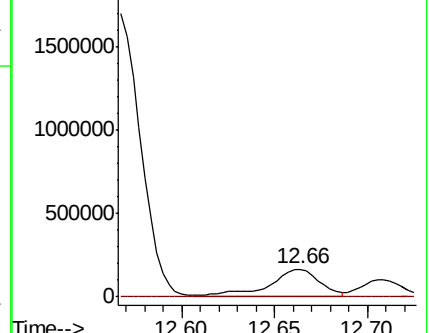
91 100

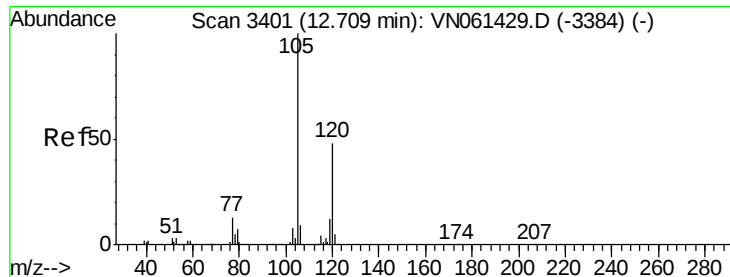
126 0.0 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)





#80

1,3,5-Trimethylbenzene

Concen: 77.786 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

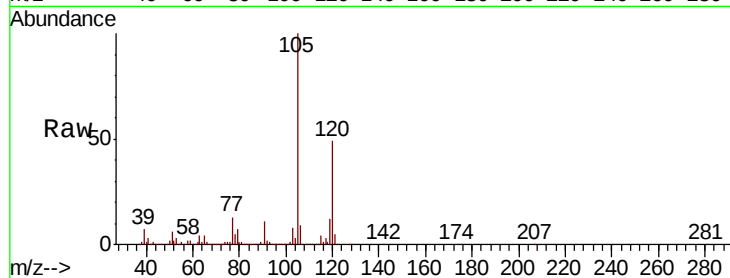
MW-3

Tot Ion:105 Resp: 1510590

Ion Ratio Lower Upper

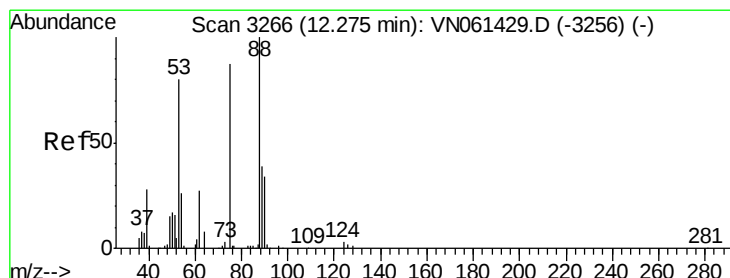
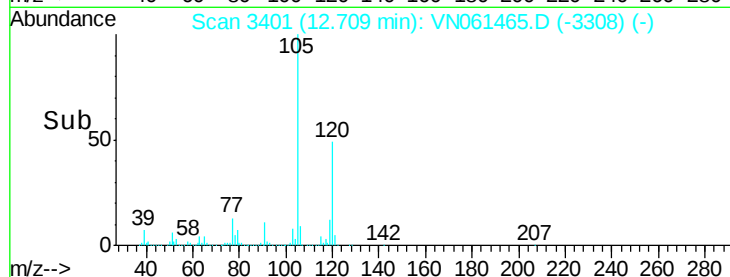
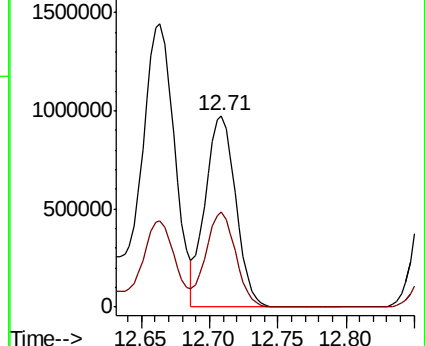
105 100

120 48.9 24.1 72.4



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: 4.378 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.05 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

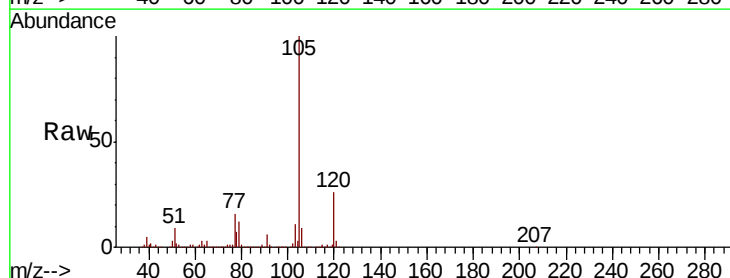
Tgt Ion: 75 Resp: 10461

Ion Ratio Lower Upper

75 100

53 96.3 75.2 112.8

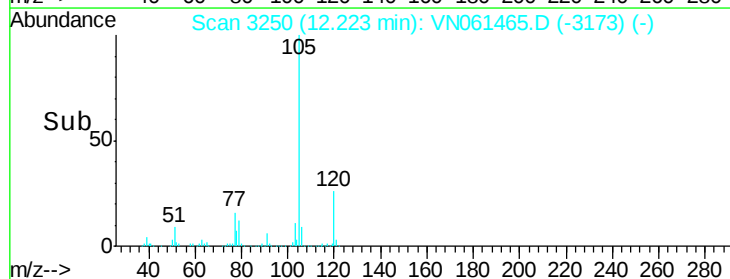
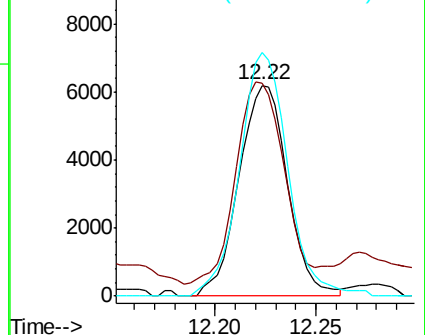
89 115.0 38.2 57.4#

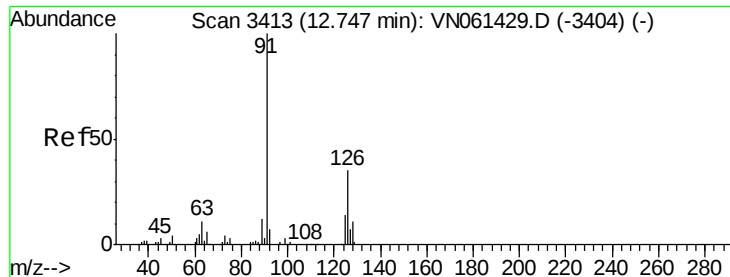


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

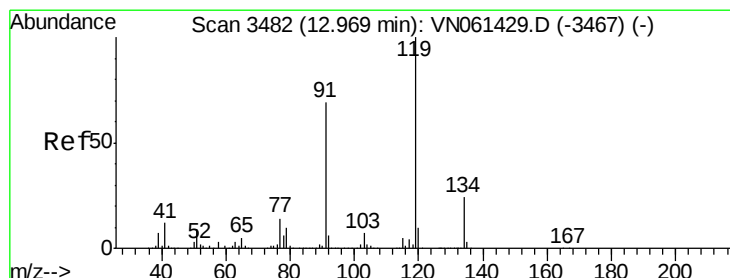
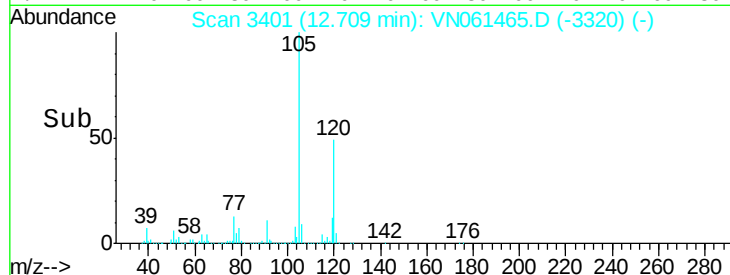
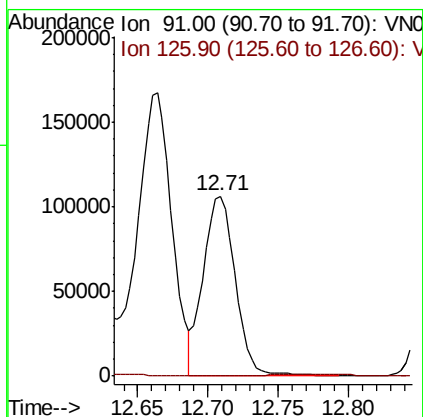
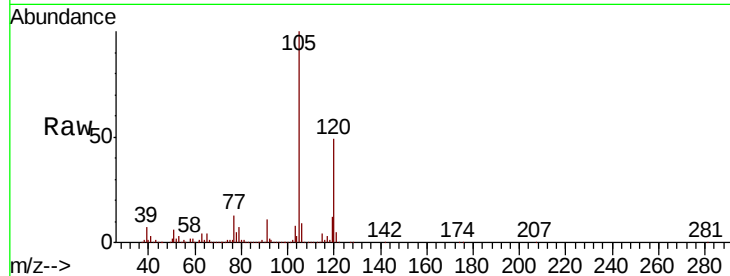




#82
4-Chlorotoluene
Concen: 10.007 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.04 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

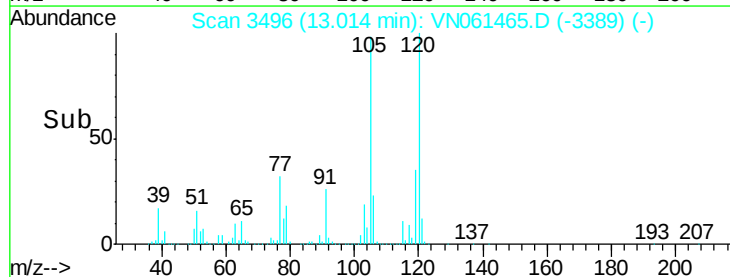
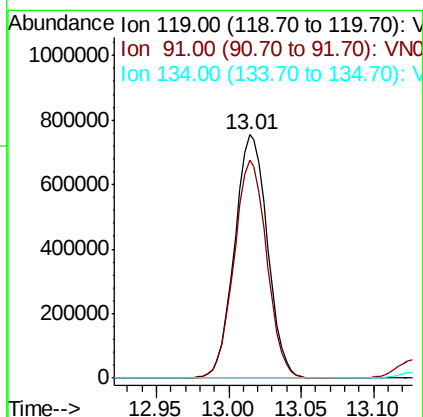
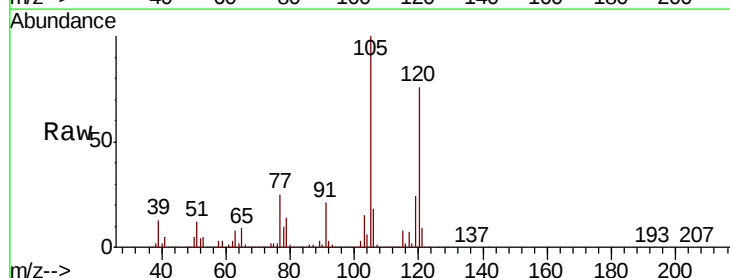
Instrument :
MSVOA_N
ClientSampleId :
MW-3

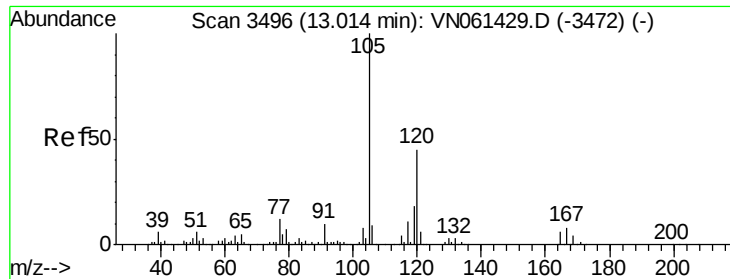
Tot Ion: 91 Resp: 165509
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.2#



#83
tert-Butylbenzene
Concen: 71.114 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.05 min
Lab File: VN061465.D
Acq: 19 May 2020 7:19

Tgt Ion: 119 Resp: 1182933
Ion Ratio Lower Upper
119 100
91 89.8 33.7 101.0
134 0.0 12.8 38.3#

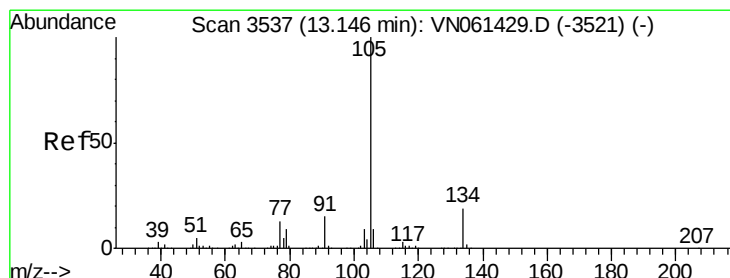
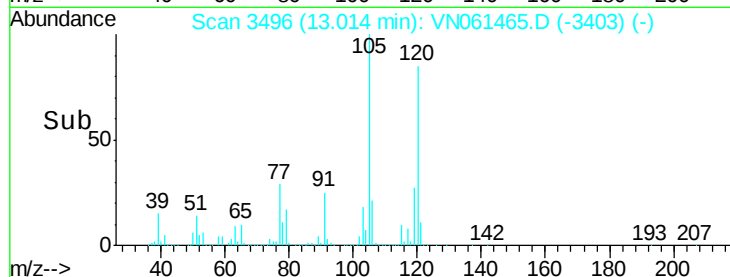
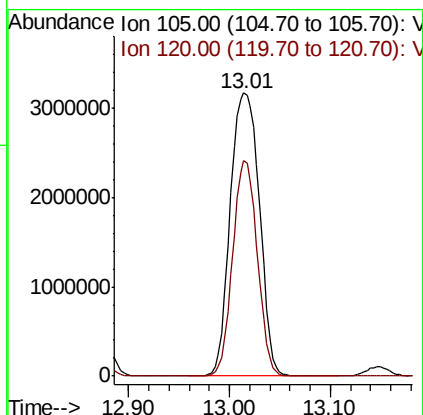
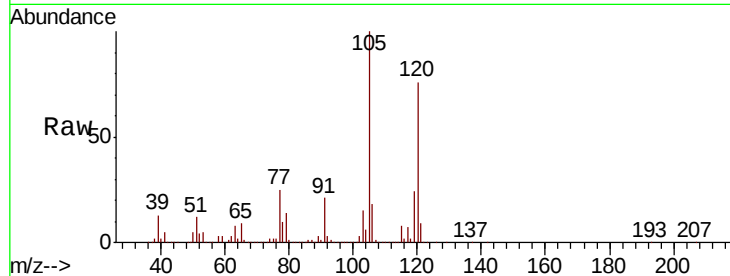




#84
 1,2,4-Trimethylbenzene
 Concen: 327.869 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

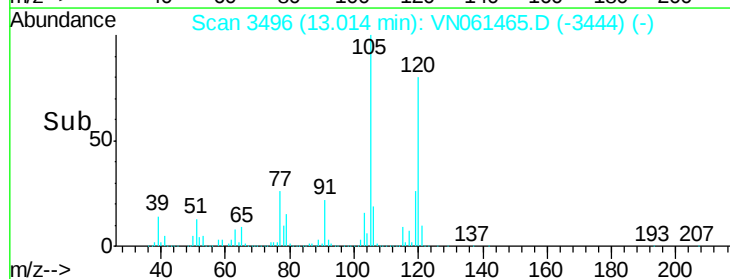
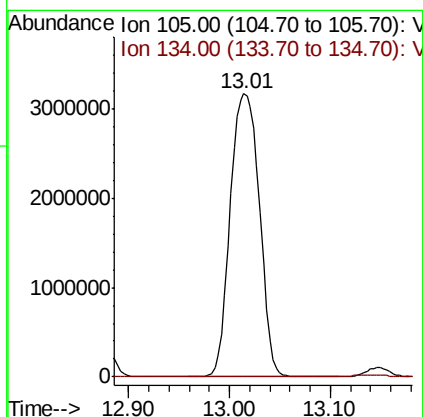
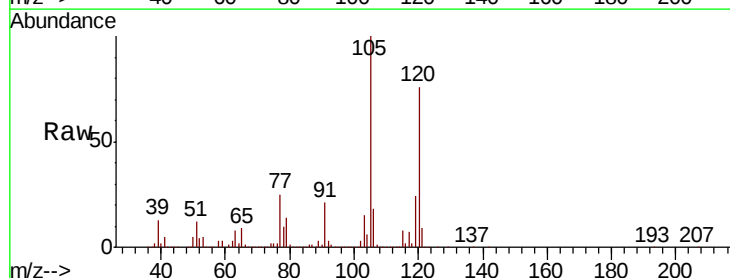
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

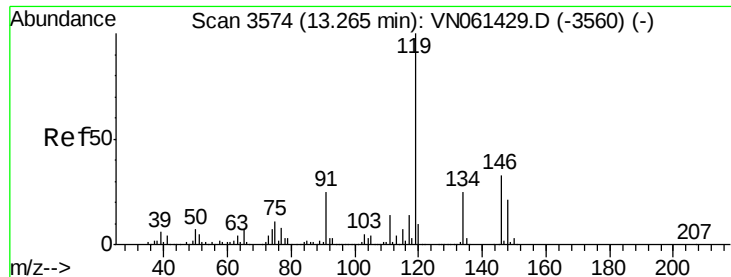
Tot Ion:105 Resp: 6372098
 Ion Ratio Lower Upper
 105 100
 120 64.4 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 283.289 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.13 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Tgt Ion:105 Resp: 6372098
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#

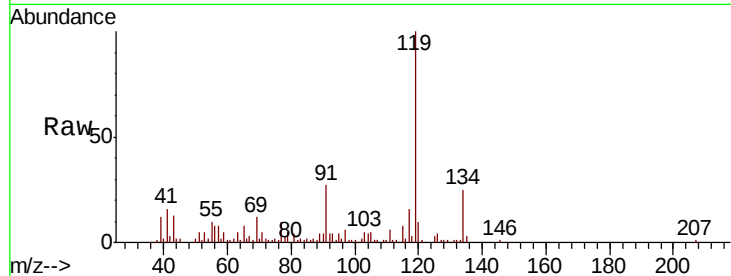




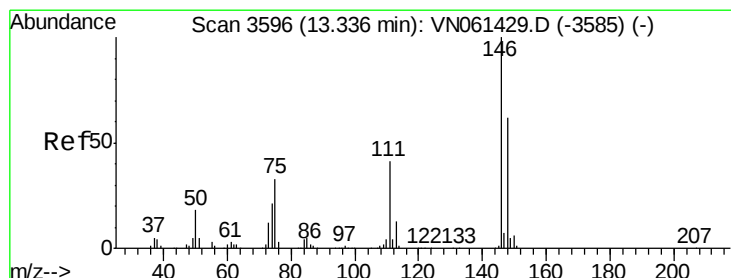
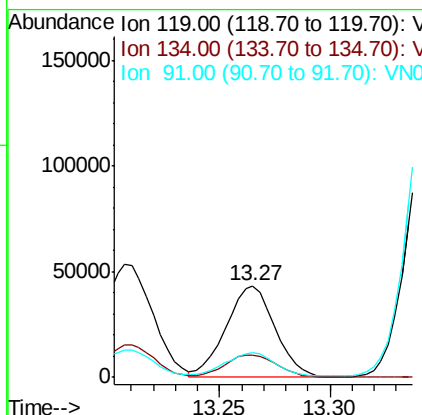
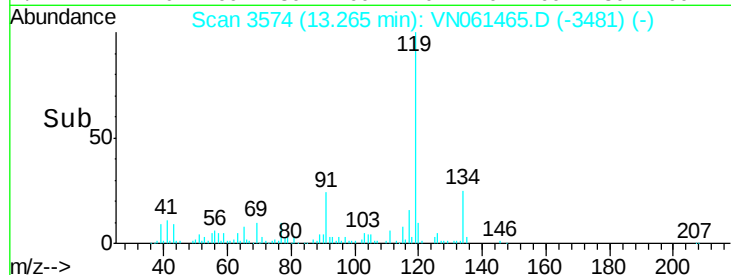
#86
 p-Isopropyltoluene
 Concen: 3.305 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

Tot Ion:119 Resp: 66008
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.7 38.1
 91 0.0 12.6 37.6#

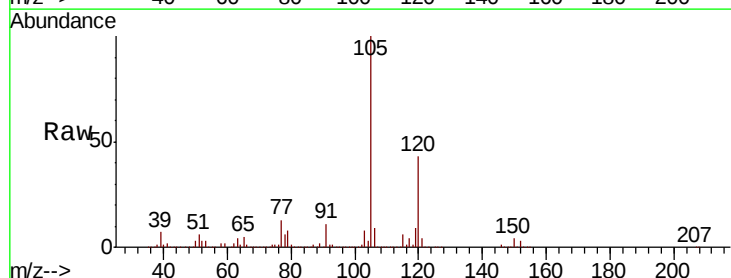


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

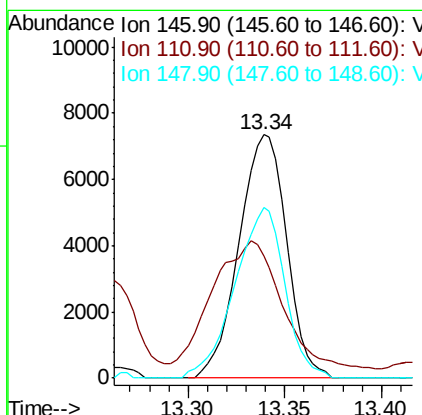
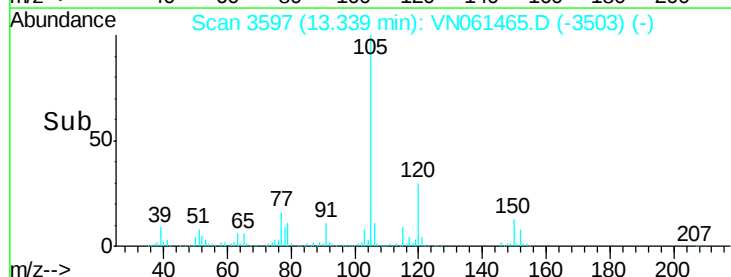


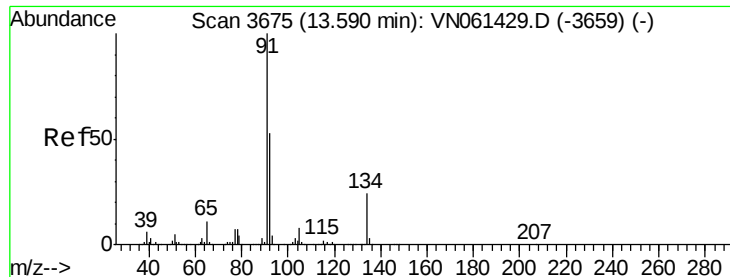
#88
 1,4-Dichlorobenzene
 Concen: 1.335 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Tgt Ion:146 Resp: 12598
 Ion Ratio Lower Upper
 146 100
 111 75.8 20.8 62.5#
 148 73.6 31.6 94.8



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





#89

n-Butylbenzene

Concen: 2.416 ug/l

RT: 13.56 min Scan# 3666

Delta R.T. -0.03 min

Lab File: VN061465.D

Acq: 19 May 2020 7:19

Instrument :

MSVOA_N

ClientSampled :

MW-3

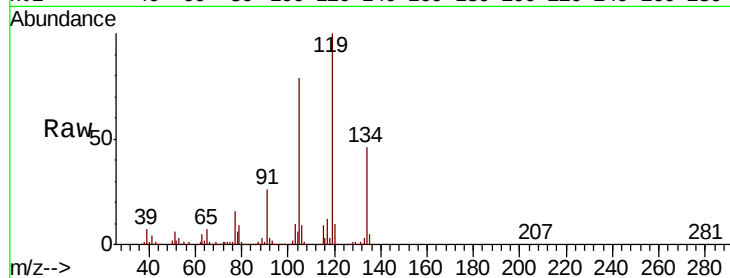
Tot Ion: 91 Resp: 43835

Ion Ratio Lower Upper

91 100

92 0.0 26.8 80.3#

134 677.6 12.4 37.4#

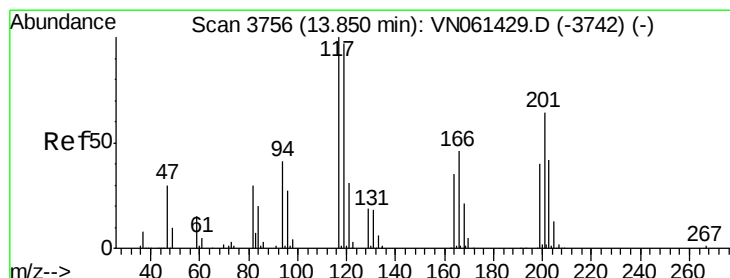
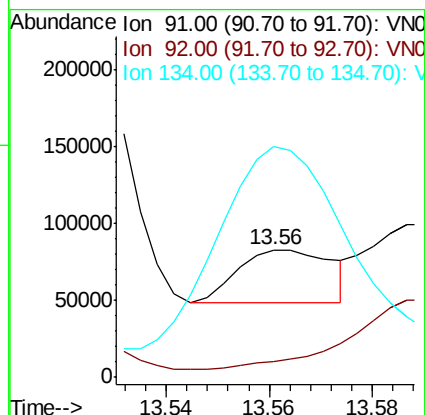
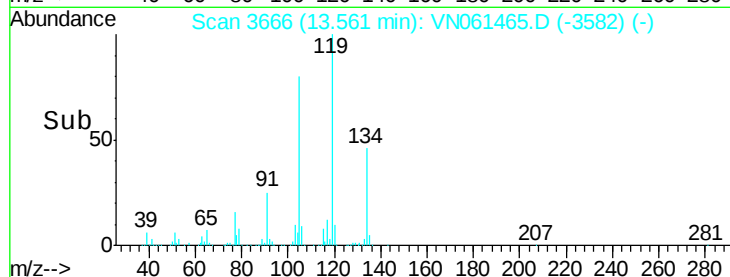


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)

Time-->



#90

Hexachloroethane

Concen: 49.165 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN061465.D

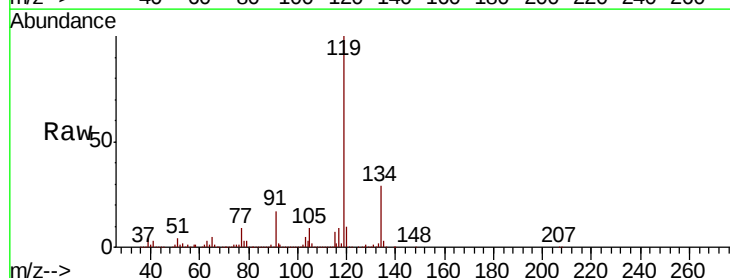
Acq: 19 May 2020 7:19

Tgt Ion: 117 Resp: 133086

Ion Ratio Lower Upper

117 100

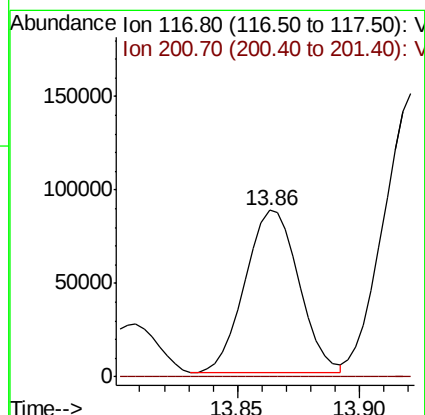
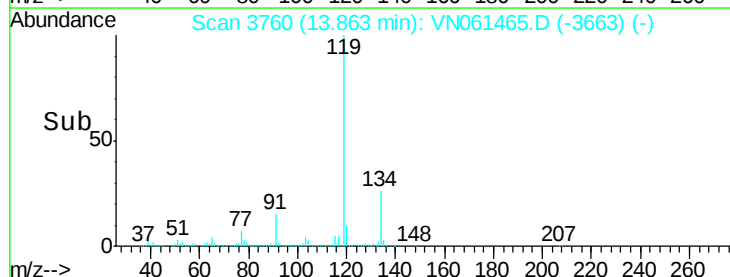
201 0.0 32.9 98.7#

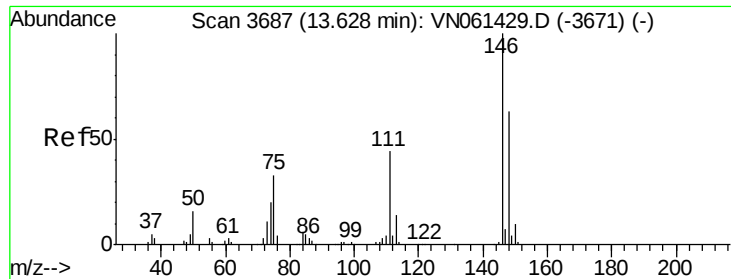


Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)

Time-->

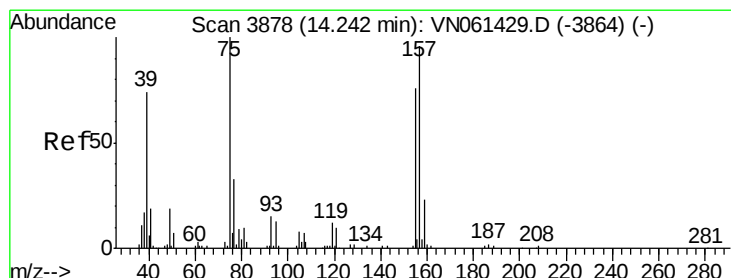
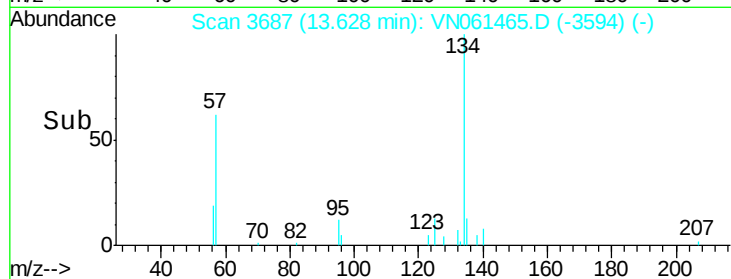
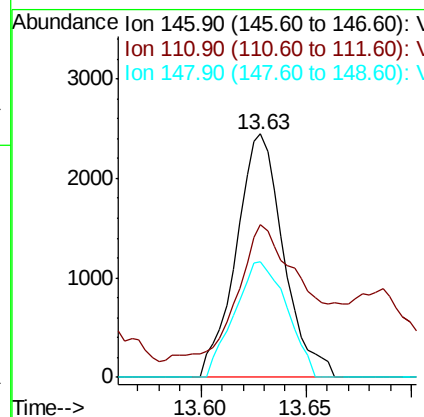
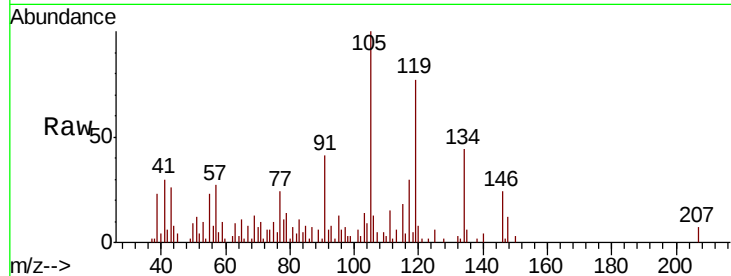




#91
 1,2-Dichlorobenzene
 Concen: 0.423 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

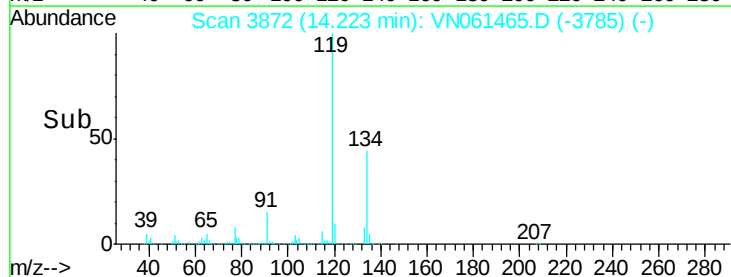
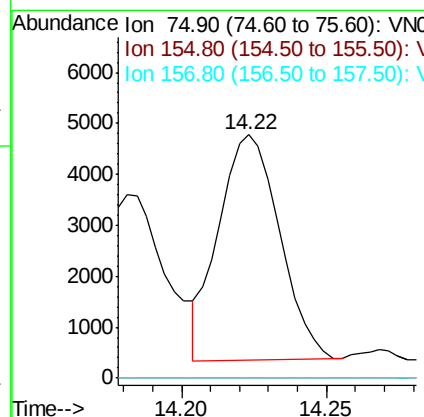
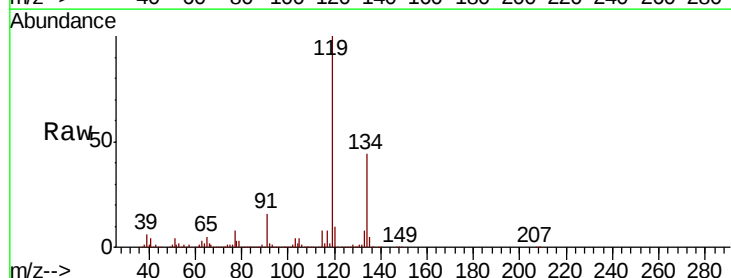
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

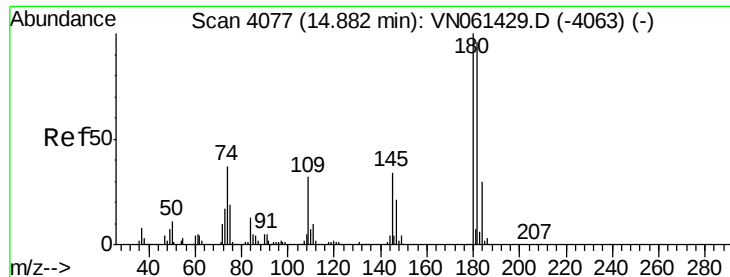
Tot Ion:146 Resp: 3820
 Ion Ratio Lower Upper
 146 100
 111 81.9 21.9 65.7#
 148 52.3 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.880 ug/l
 RT: 14.22 min Scan# 3872
 Delta R.T. -0.02 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Tgt Ion: 75 Resp: 6432
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.9 116.7#
 157 0.0 48.6 145.8#

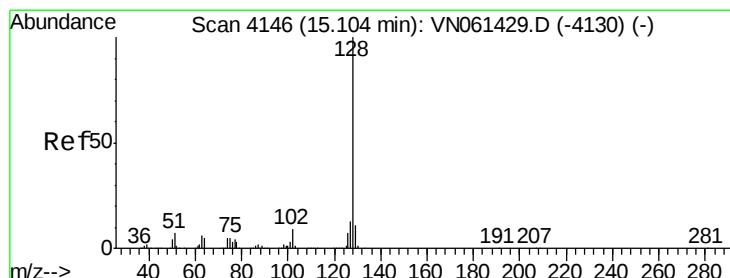
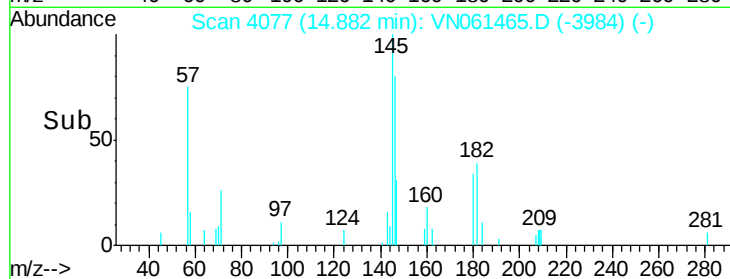
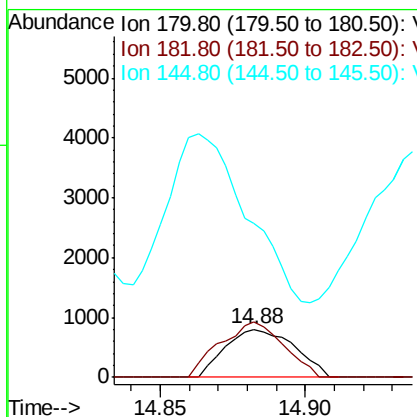
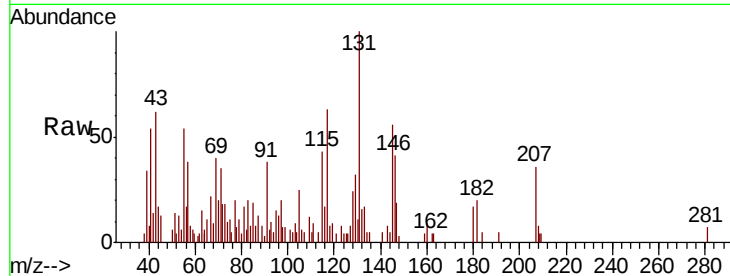




#93
 1,2,4-Trichlorobenzene
 Concen: 0.271 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

Tot Ion:180 Resp: 1326
 Ion Ratio Lower Upper
 180 100
 182 106.3 47.0 141.0
 145 745.5 16.7 50.0#



#95
 Naphthalene
 Concen: 176.121 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN061465.D
 Acq: 19 May 2020 7:19

Tgt Ion:128 Resp: 2743330
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.1 15.1
 129 11.0 8.6 13.0

