

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062024.D
 Acq On : 23 Jun 2020 2:21
 Operator : JC/MD
 Sample : L3071-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-7

Quant Time: Jun 23 05:24:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	165400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	308469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	306312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	189359	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106730	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.55	113	91078	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
50) Toluene-d8	10.06	98	408936	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.38	95	159271	59.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.70%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.74	59	5437	17.712	ug/l #	74
13) Acrolein	3.53	56	1781	9.708	ug/l #	1
14) Allyl chloride	4.36	41	3579	1.605	ug/l #	46
15) Acrylonitrile	5.00	53	8602	11.309	ug/l #	43
16) Acetone	3.76	43	80772	123.272	ug/l #	65
17) Carbon Disulfide	4.01	76	13207	2.686	ug/l	97
18) Methyl Acetate	4.48	43	167328	88.701	ug/l #	46
19) Methyl tert-butyl Ether	5.00	73	25138	4.493	ug/l #	1
20) Methylene Chloride	4.47	84	1689	0.791	ug/l #	1
23) Vinyl Acetate	5.88	43	7970	1.987	ug/l #	66
24) 1,1-Dichloroethane	5.88	63	3312	0.992	ug/l #	82
25) 2-Butanone	6.79	43	28161	29.458	ug/l	89
28) Bromochloromethane	7.35	49	670	0.451	ug/l #	6
29) Tetrahydrofuran	7.17	42	934	1.485	ug/l #	26
30) Chloroform	7.28	83	62848	17.610	ug/l #	18
31) Cyclohexane	7.61	56	315079	107.784	ug/l	90
36) 1,1-Dichloropropene	7.63	75	13380	4.756	ug/l #	67
37) Ethyl Acetate	6.79	43	28161	12.817	ug/l #	65
38) Carbon Tetrachloride	7.63	117	16291	5.847	ug/l #	16
39) Methylcyclohexane	9.05	83	340927	112.531	ug/l	94
40) Benzene	8.00	78	109080	12.798	ug/l	99
41) Methacrylonitrile	7.18	41	9637	10.257	ug/l #	100
43) Isopropyl Acetate	8.11	43	35638	9.625	ug/l #	51
46) Dibromomethane	9.13	93	465	0.315	ug/l #	4
47) Bromodichloromethane	9.36	83	52068	17.240	ug/l #	25
48) Methyl methacrylate	9.19	41	21040	12.495	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	47135	21.542	ug/l #	61
52) Toluene	10.12	92	104083	19.445	ug/l	98
55) 1,1,2-Trichloroethane	10.50	97	29208	13.869	ug/l #	21
56) Ethyl methacrylate	10.40	69	2414	3.609	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.64	63	5764	5.186	ug/l #	44
59) 2-Hexanone	10.70	43	12286	20.058	ug/l #	20
67) Ethyl Benzene	11.48	91	6232748	575.143	ug/l #	57
68) m/p-Xylenes	11.60	106	6176157	1478.011	ug/l #	61

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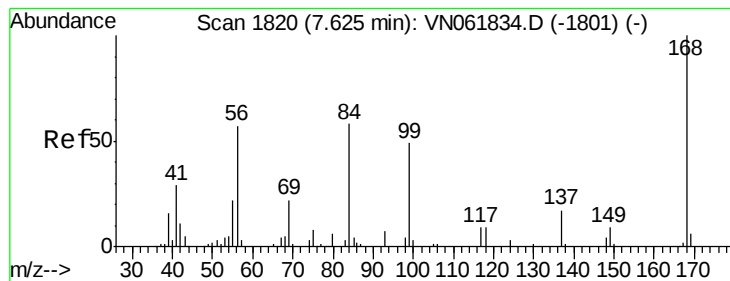
Instrument :
 MSVOA_N
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) o-Xylene	11.92	106	219368	55.019	uq/l	97
70) Styrene	11.92	104	11570	1.733	uq/l #	1
71) Bromoform	12.38	173	1160	0.706	uq/l #	1
73) Isopropylbenzene	12.23	105	6876053	510.999	uq/l #	68
74) N-amyl acetate	12.01	43	6554	4.327	uq/l #	50
75) 1,1,2,2-Tetrachloroethane	12.46	83	1010	0.231	uq/l #	33
76) 1,2,3-Trichloropropane	12.57	75	95368	25.653	uq/l #	100
78) n-propylbenzene	12.57	91	7647876	498.104	uq/l #	60
79) 2-Chlorotoluene	12.63	91	2695197	292.273	uq/l #	40
80) 1,3,5-Trimethylbenzene	12.63	105	8021863	720.579	uq/l	83
81) trans-1,4-Dichloro-2-buten	12.22	75	136323	100.014	uq/l #	58
82) 4-Chlorotoluene	12.71	91	2001936	210.097	uq/l #	40
83) tert-Butylbenzene	13.02	119	4942349	523.676	uq/l #	48
84) 1,2,4-Trimethylbenzene	12.87	105	8287282	754.125	uq/l	85
85) sec-Butylbenzene	13.15	105	435765	35.276	uq/l #	65
86) p-Isopropyltoluene	13.21	119	500772	45.494	uq/l #	78
89) n-Butylbenzene	13.59	91	386466	42.040	uq/l #	56
90) Hexachloroethane	13.86	117	257063	127.578	uq/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.22	75	20519	28.890	uq/l #	1
95) Naphthalene	15.10	128	5252520	522.275	uq/l #	93

(#) = 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: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

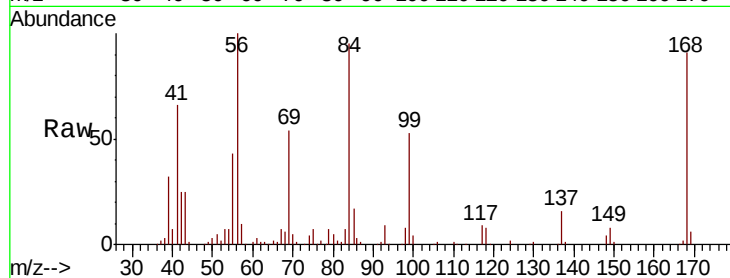
TW-7

Tot Ion:168 Resp: 165400

Ion Ratio Lower Upper

168 100

99 58.4 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

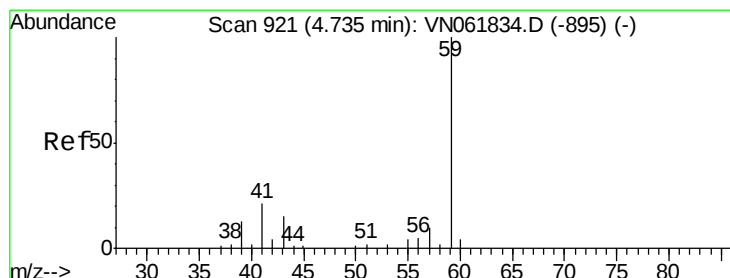
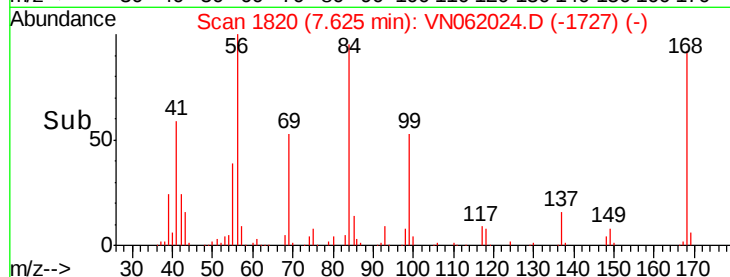
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 17.712 ug/l

RT: 4.74 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN062024.D

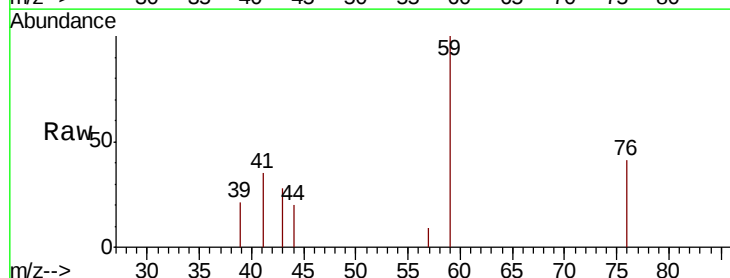
Acq: 23 Jun 2020 2:21

Tgt Ion: 59 Resp: 5437

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

2000

1500

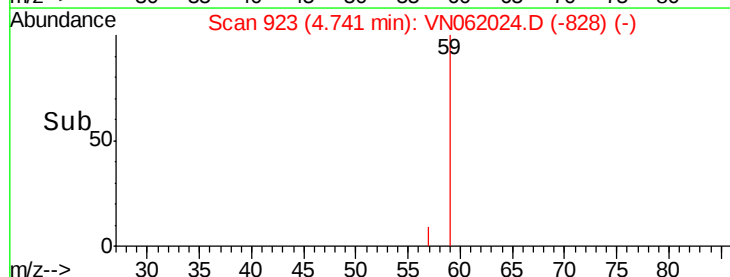
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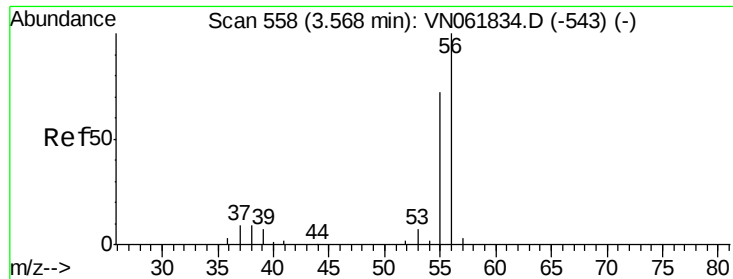
500

0

Time-->

4.65 4.70 4.75 4.80

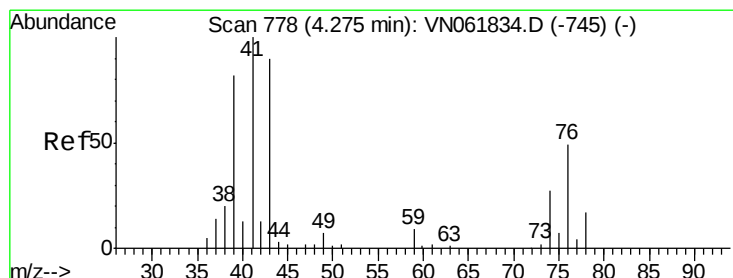
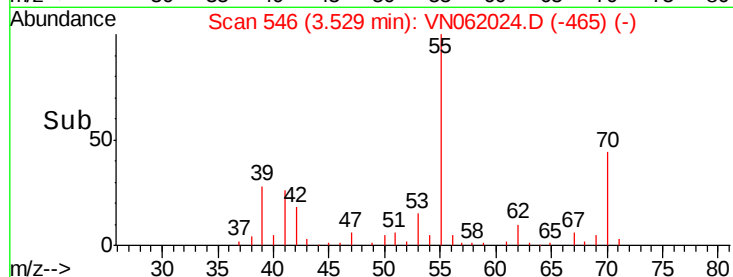
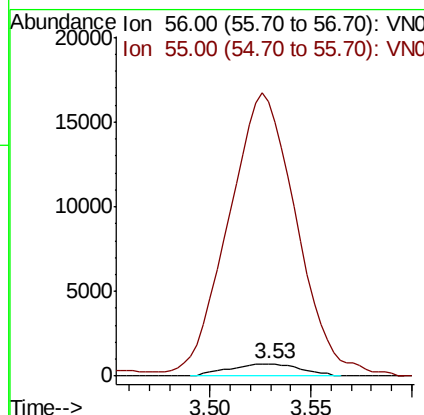
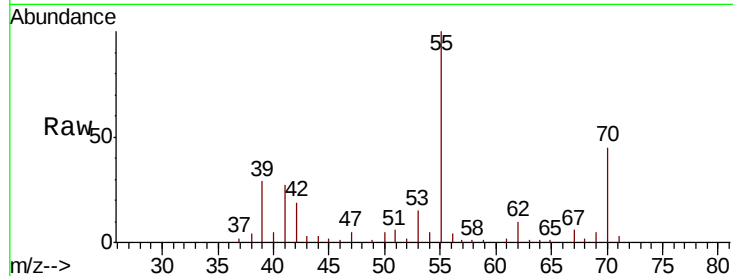




#13
Acrolein
Concen: 9.708 ug/l
RT: 3.53 min Scan# 546
Delta R.T. -0.04 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

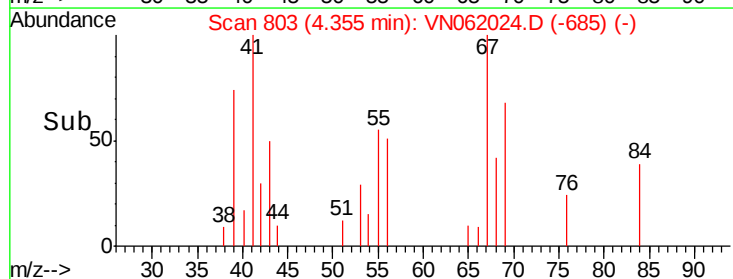
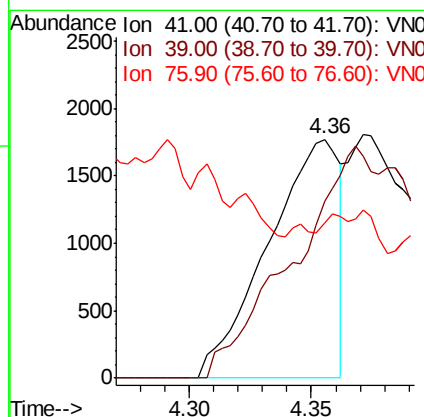
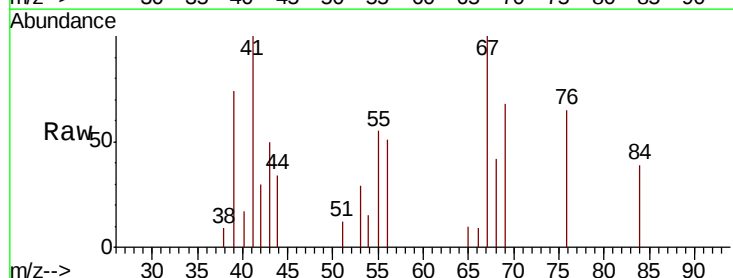
Instrument :
MSVOA_N
ClientSampled :
TW-7

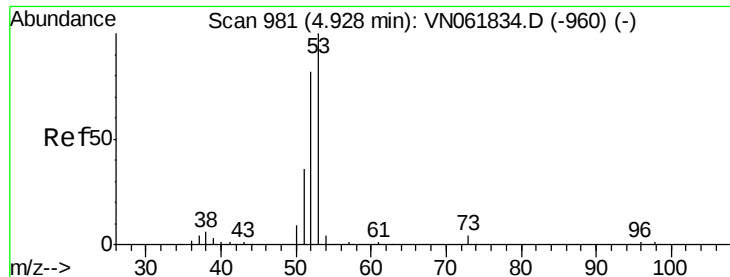
Tot Ion: 56 Resp: 1781
Ion Ratio Lower Upper
56 100
55 2217.0 56.2 84.4#



#14
Allyl chloride
Concen: 1.605 ug/l
RT: 4.36 min Scan# 803
Delta R.T. 0.08 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 41 Resp: 3579
Ion Ratio Lower Upper
41 100
39 112.8 60.2 90.2#
76 0.0 36.3 54.5#





#15

Acrylonitrile

Concen: 11.309 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.07 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

TW-7

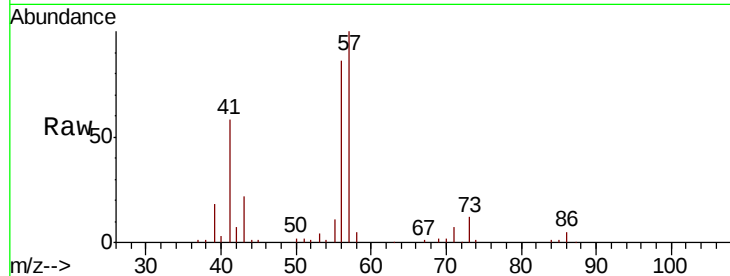
Tot Ion: 53 Resp: 8602

Ion Ratio Lower Upper

53 100

52 17.1 65.2 97.8#

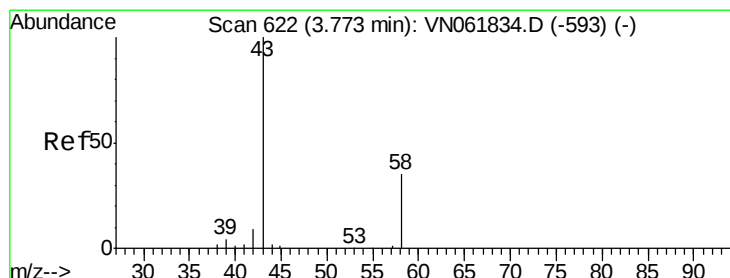
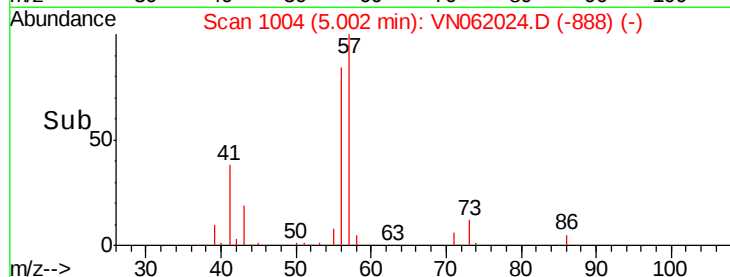
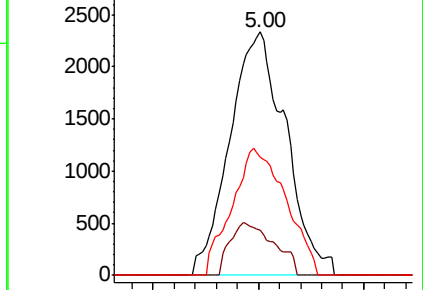
51 50.3 29.3 43.9#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 123.272 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.01 min

Lab File: VN062024.D

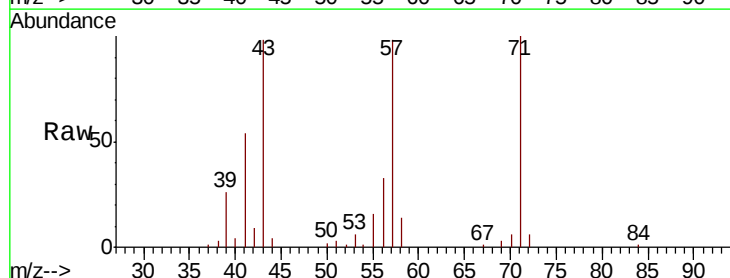
Acq: 23 Jun 2020 2:21

Tgt Ion: 43 Resp: 80772

Ion Ratio Lower Upper

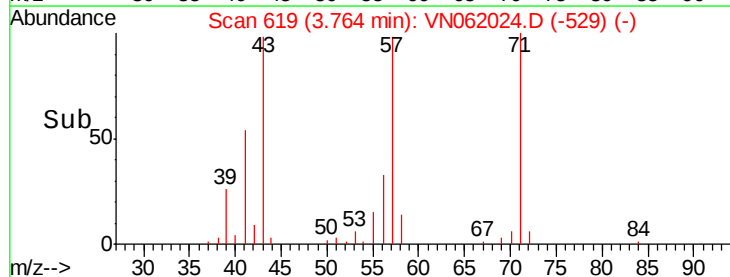
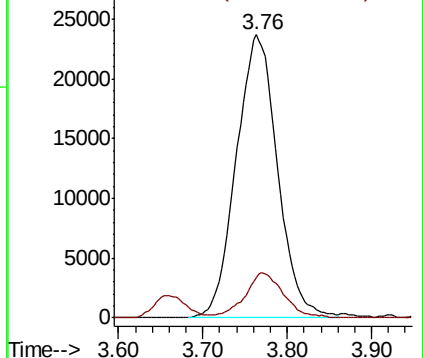
43 100

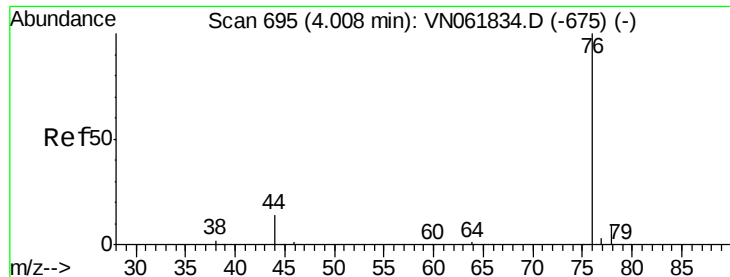
58 14.4 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

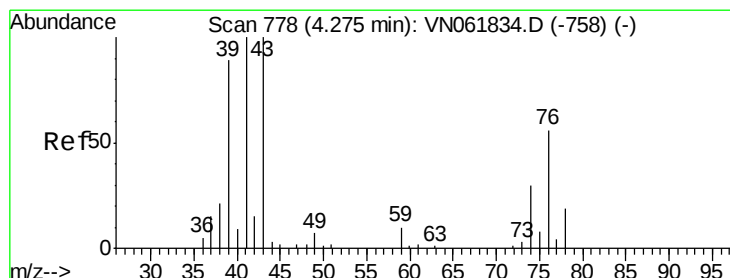
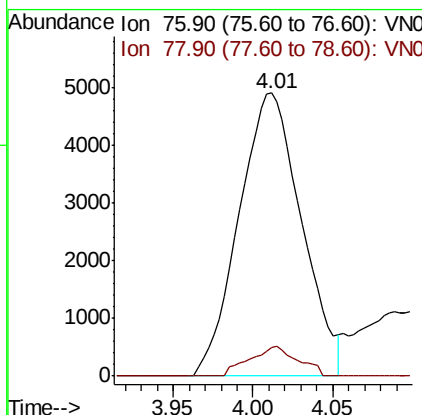
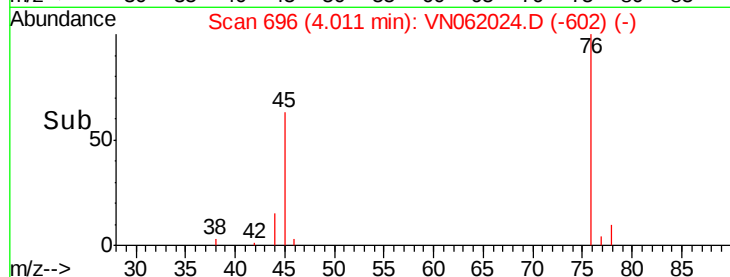
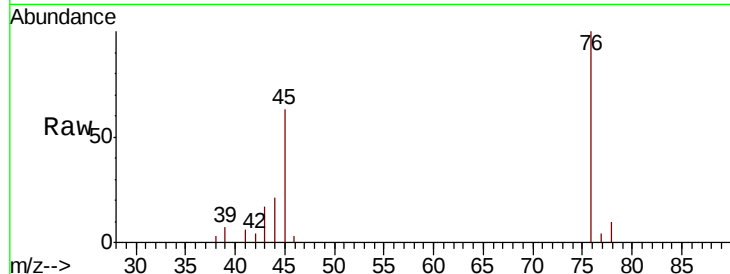




#17
Carbon Disulfide
Concen: 2.686 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

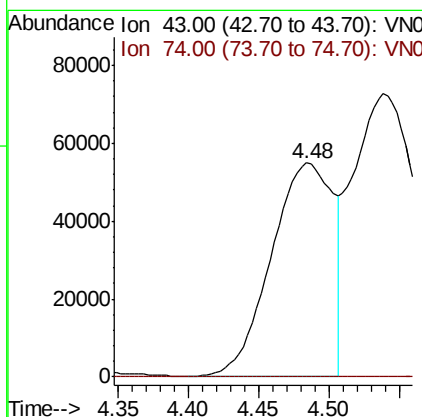
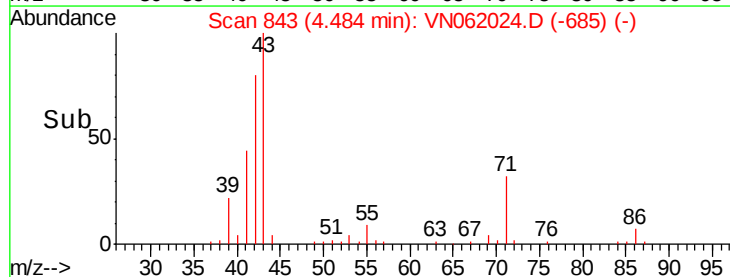
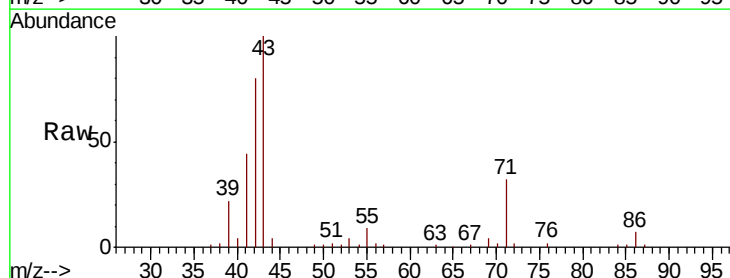
Instrument :
MSVOA_N
ClientSampled :
TW-7

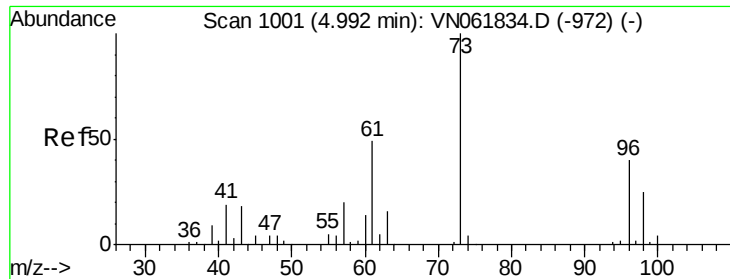
Tot Ion: 76 Resp: 13207
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9



#18
Methyl Acetate
Concen: 88.701 ug/l
RT: 4.48 min Scan# 843
Delta R.T. 0.21 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 43 Resp: 167328
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#





#19

Methyl tert-butyl Ether

Concen: 4.493 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

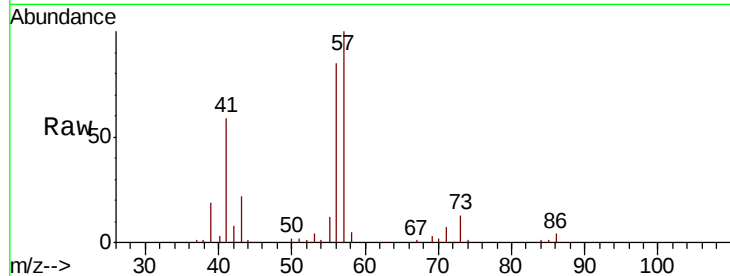
TW-7

Tot Ion: 73 Resp: 25138

Ion Ratio Lower Upper

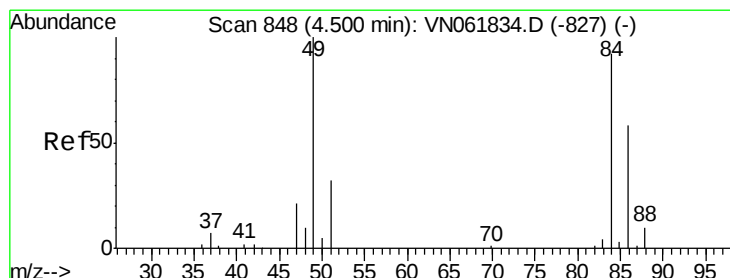
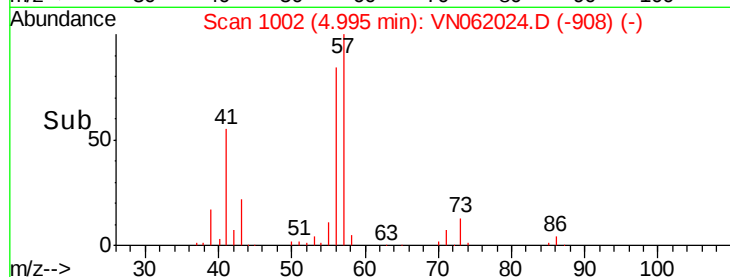
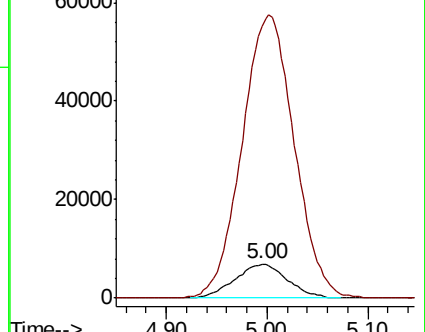
73 100

57 785.9 16.2 24.4#



Abundance Ion 73.00 (72.70 to 73.70): VN061834.D (-972) (-)

Ion 57.00 (56.70 to 57.70): VN061834.D (-972) (-)



#20

Methylene Chloride

Concen: 0.791 ug/l

RT: 4.47 min Scan# 840

Delta R.T. -0.03 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Tgt Ion: 84 Resp: 1689

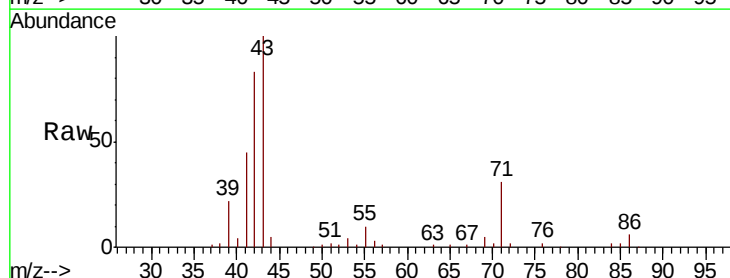
Ion Ratio Lower Upper

84 100

49 30.4 87.0 130.4#

51 124.6 27.8 41.6#

86 411.4 50.2 75.2#

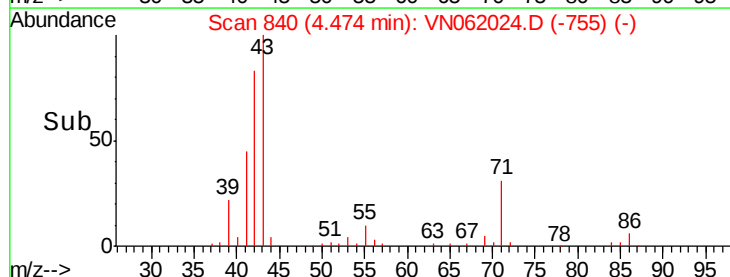
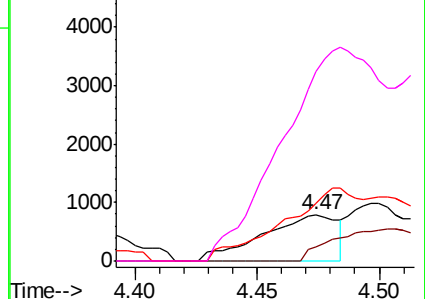


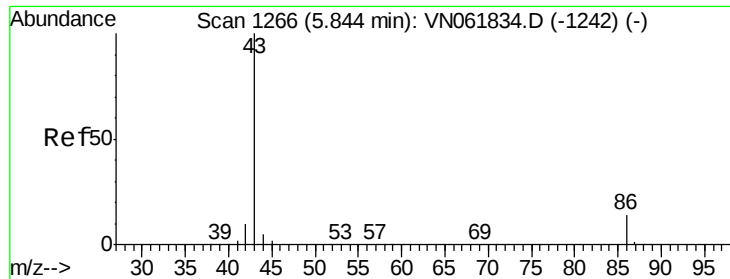
Abundance Ion 83.90 (83.60 to 84.60): VN061834.D (-827) (-)

Ion 48.90 (48.60 to 49.60): VN061834.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN061834.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN061834.D (-827) (-)





#23

Vinyl Acetate

Concen: 1.987 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.03 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

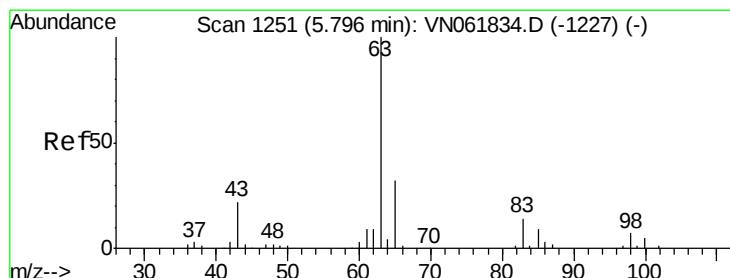
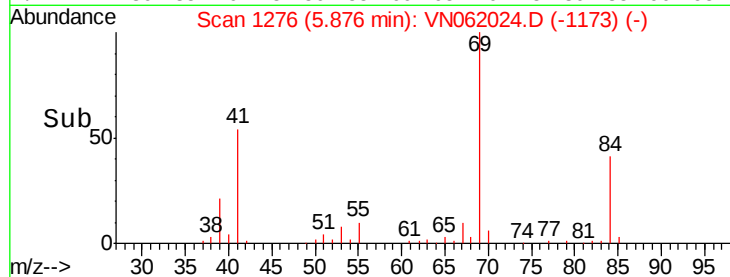
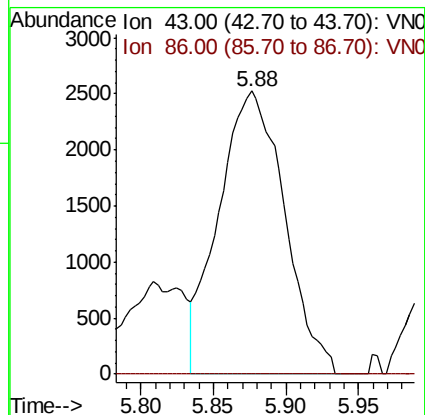
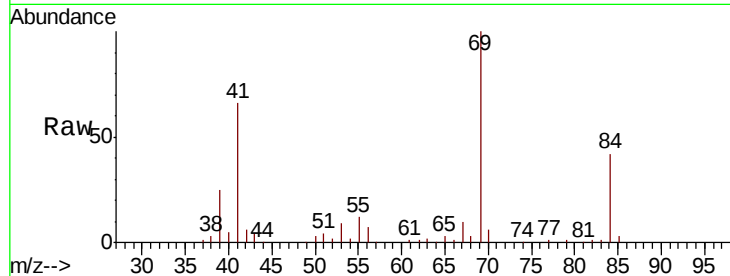
TW-7

Tot Ion: 43 Resp: 7970

Ion Ratio Lower Upper

43 100

86 0.0 10.9 16.3#



#24

1,1-Dichloroethane

Concen: 0.992 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.08 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

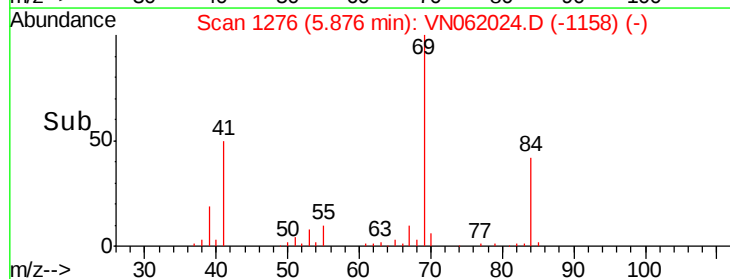
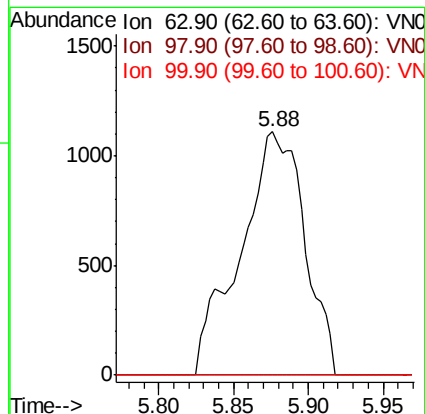
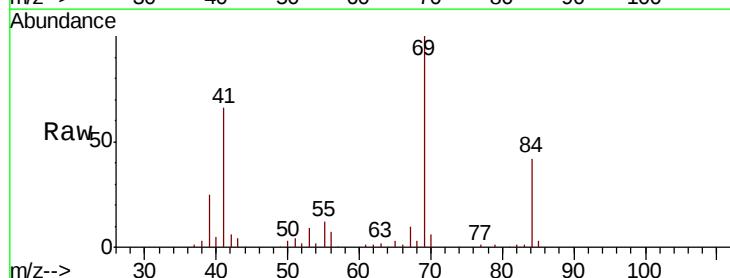
Tgt Ion: 63 Resp: 3312

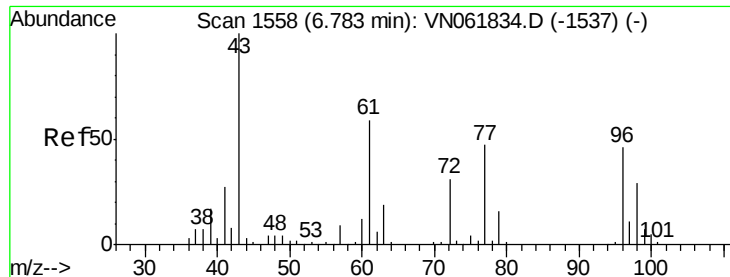
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.4#

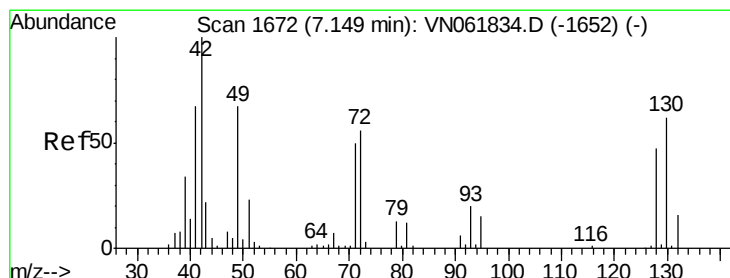
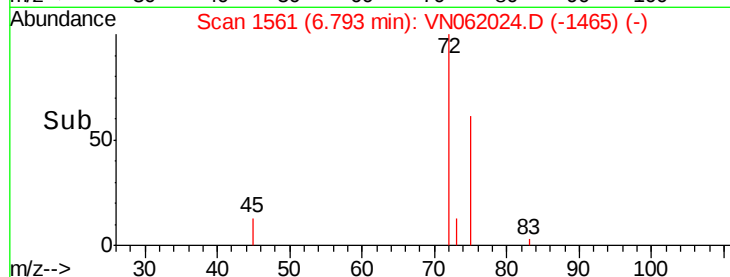
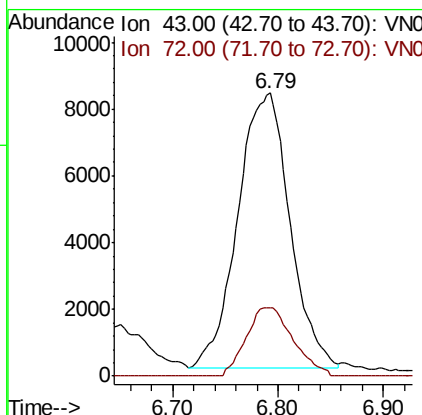
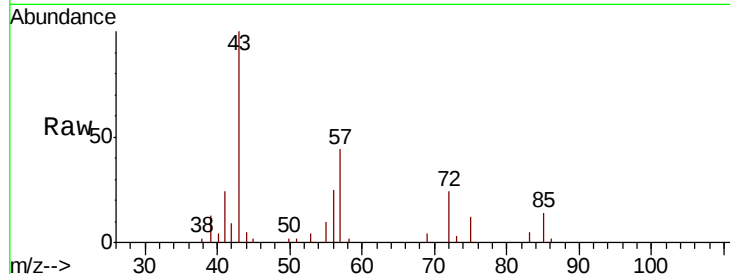




#25
2-Butanone
Concen: 29.458 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

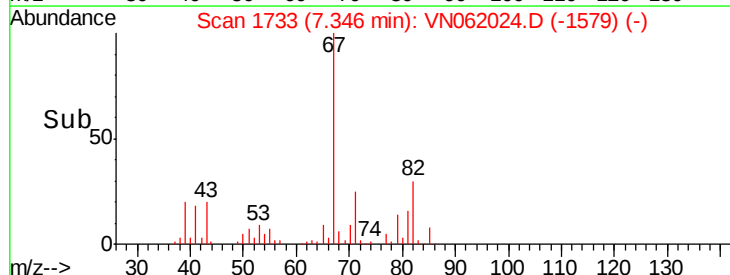
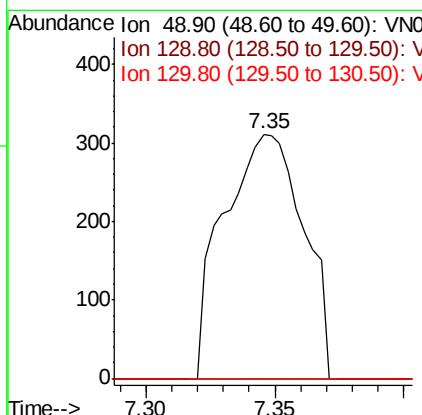
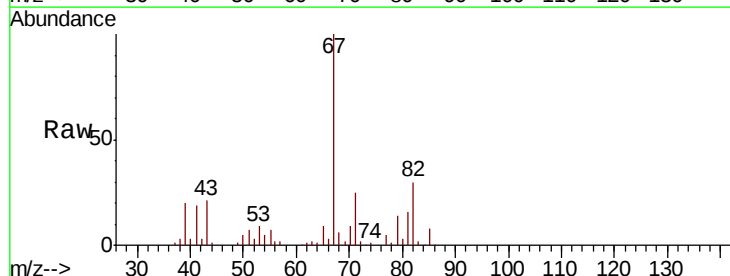
Instrument :
MSVOA_N
ClientSampled :
TW-7

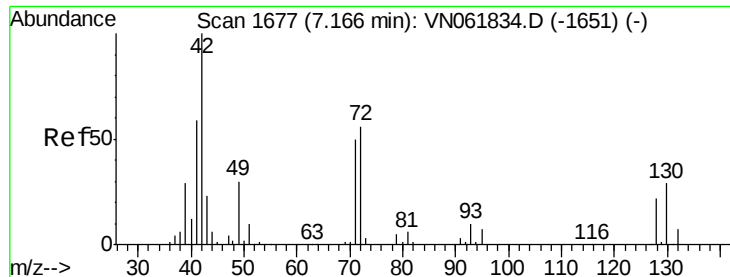
Tot Ion: 43 Resp: 28161
Ion Ratio Lower Upper
43 100
72 24.9 24.6 37.0



#28
Bromochloromethane
Concen: 0.451 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.20 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 49 Resp: 670
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 72.2 108.2#

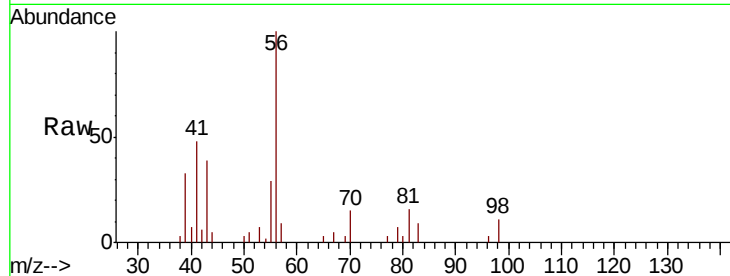




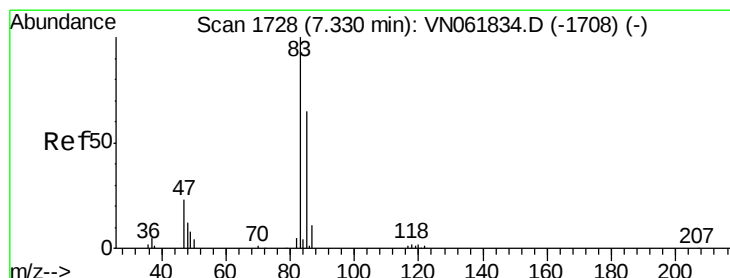
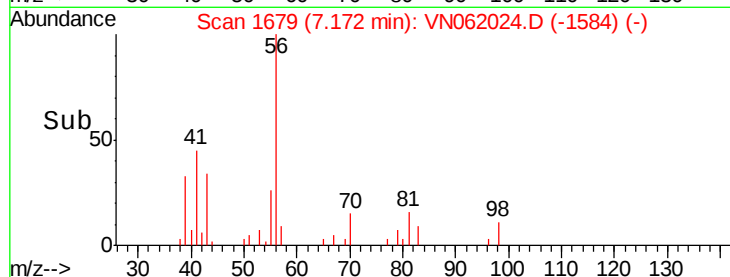
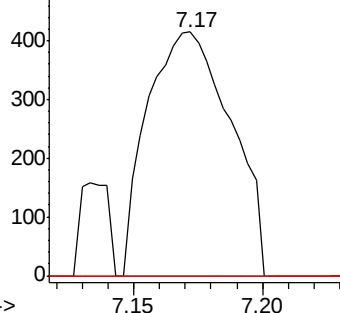
#29
Tetrahydrofuran
Concen: 1.485 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Instrument :
MSVOA_N
ClientSampled :
TW-7

Tot Ion: 42 Resp: 934
Ion Ratio Lower Upper
42 100
72 0.0 44.0 66.0#
71 0.0 40.0 60.0#

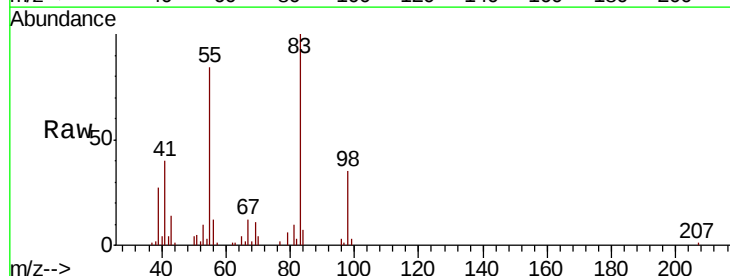


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

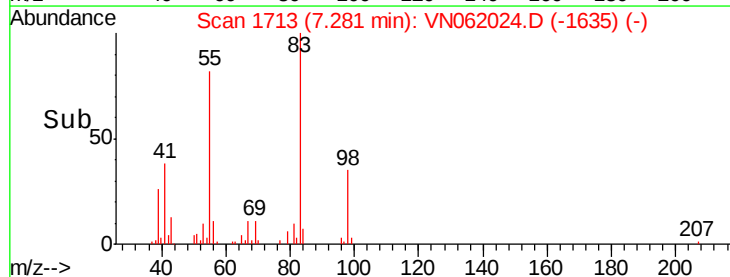
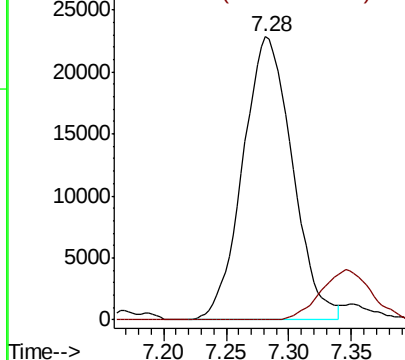


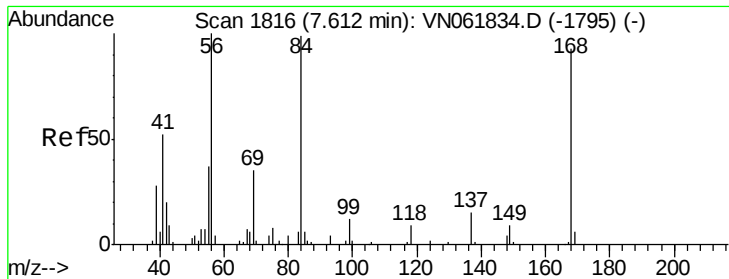
#30
Chloroform
Concen: 17.610 ug/l
RT: 7.28 min Scan# 1713
Delta R.T. -0.05 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 83 Resp: 62848
Ion Ratio Lower Upper
83 100
85 0.0 52.0 78.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

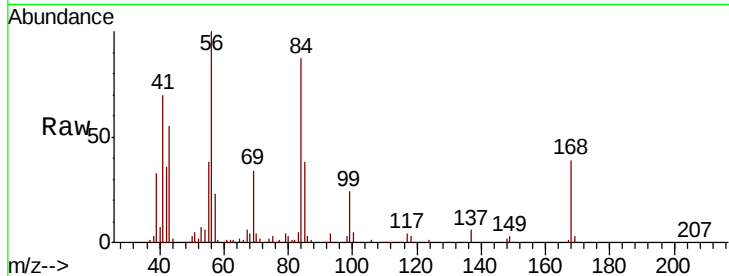




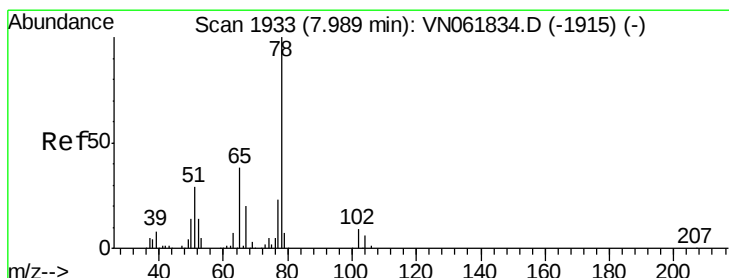
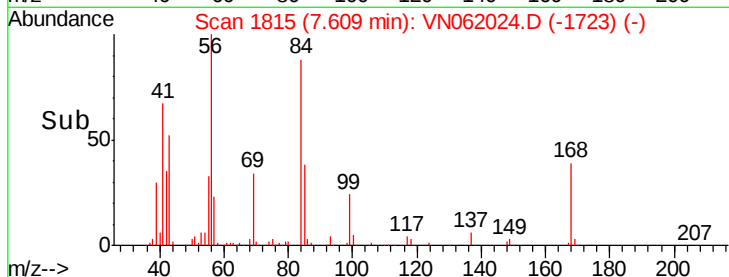
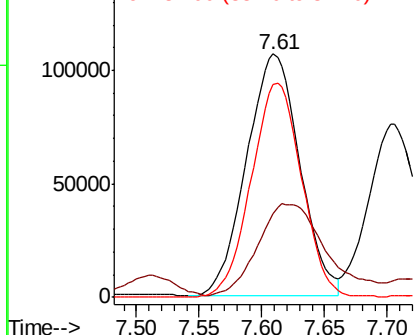
#31
Cvclohexane
Concen: 107.784 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Instrument :
MSVOA_N
ClientSampleId :
TW-7

Tot Ion: 56 Resp: 315079
Ion Ratio Lower Upper
56 100
69 32.1 27.7 41.5
84 87.7 79.1 118.7

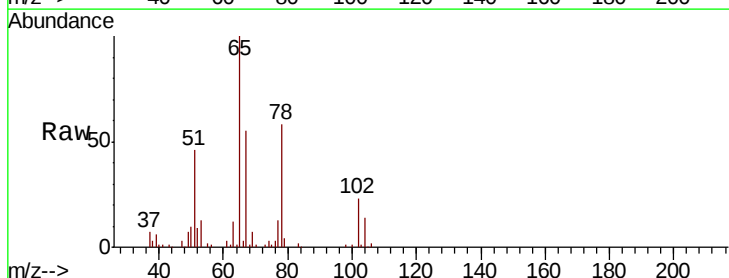


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

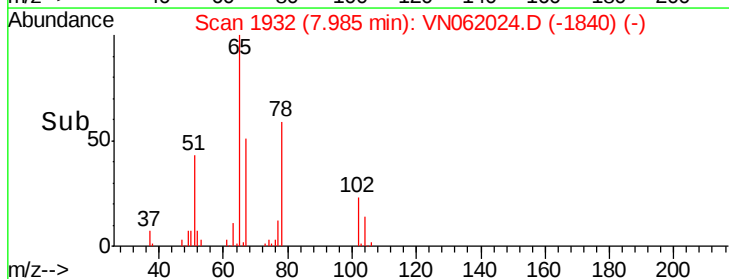
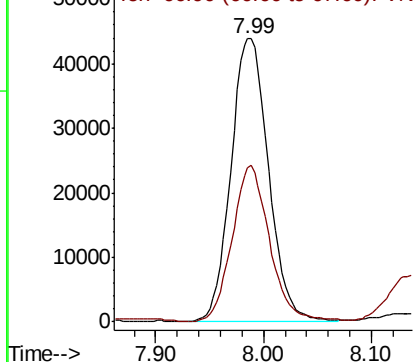


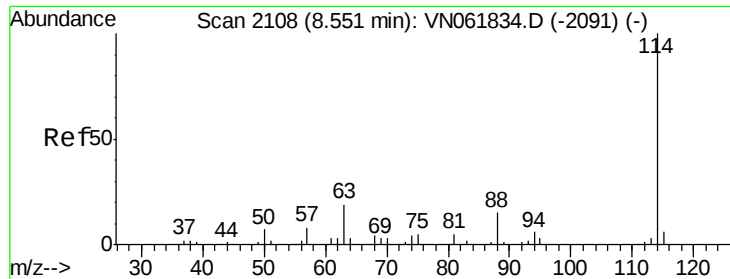
#33
1,2-Dichloroethane-d4
Concen: 48.114 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 65 Resp: 106730
Ion Ratio Lower Upper
65 100
67 55.2 0.0 106.2



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

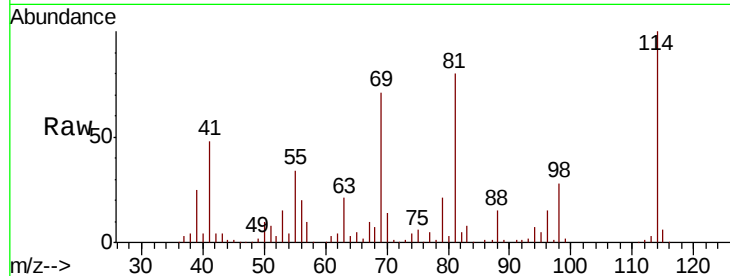




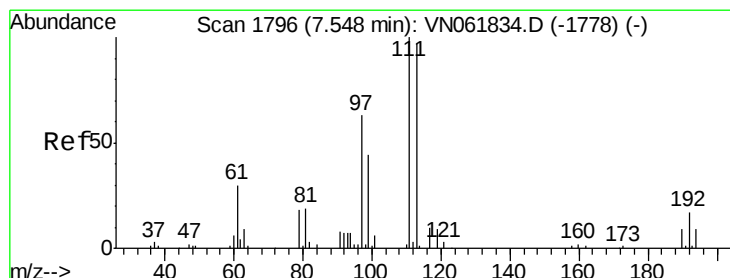
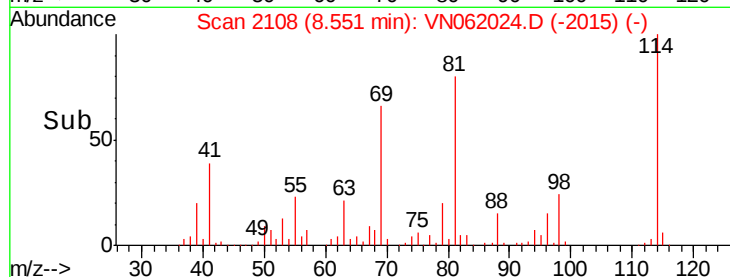
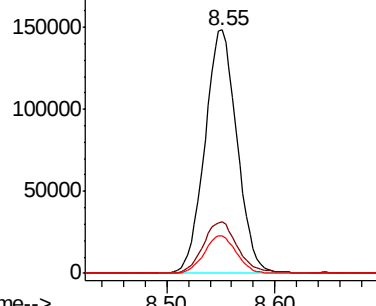
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062024.D
 Acq: 23 Jun 2020 2:21

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-7

Tot Ion:114 Resp: 308469
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 37.6
 88 15.4 0.0 31.0

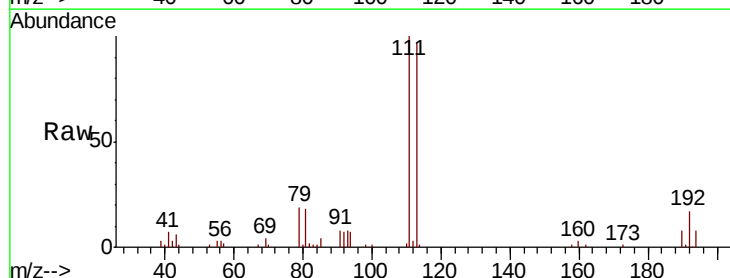


Abundance Ion 113.90 (113.60 to 114.60): V
 200000 Ion 63.00 (62.70 to 63.70): VN
 150000 Ion 87.90 (87.60 to 88.60): VN

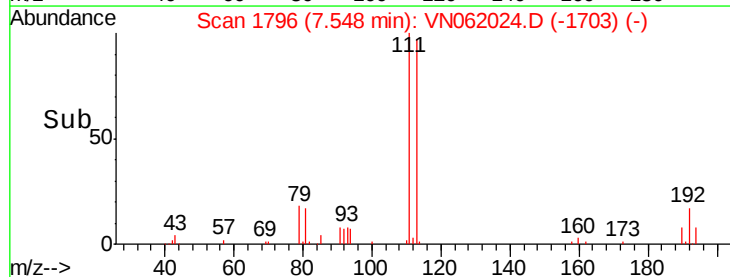
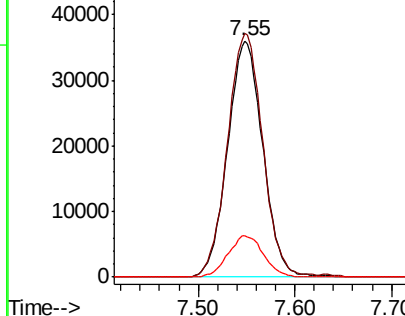


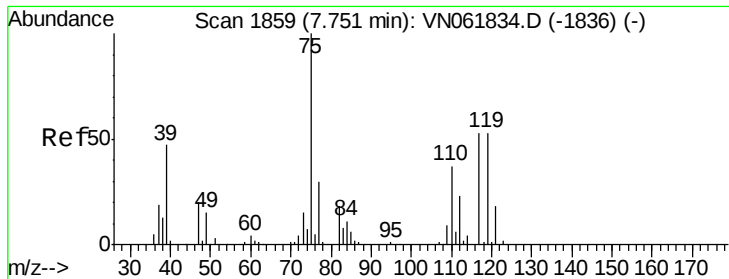
#35
 Dibromofluoromethane
 Concen: 46.152 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062024.D
 Acq: 23 Jun 2020 2:21

Tgt Ion:113 Resp: 91078
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.7 125.5
 192 17.5 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V
 50000 Ion 110.80 (110.50 to 111.50): V
 40000 Ion 191.70 (191.40 to 192.40): V

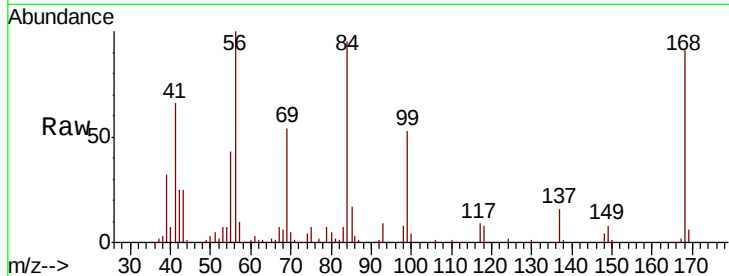




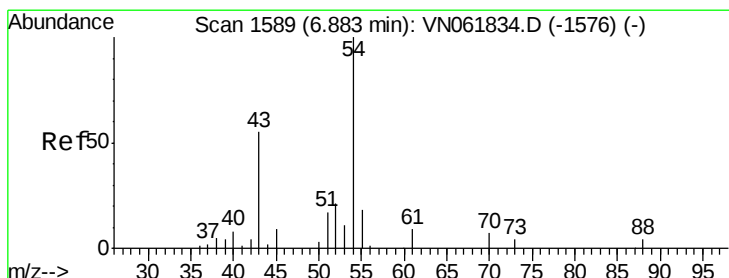
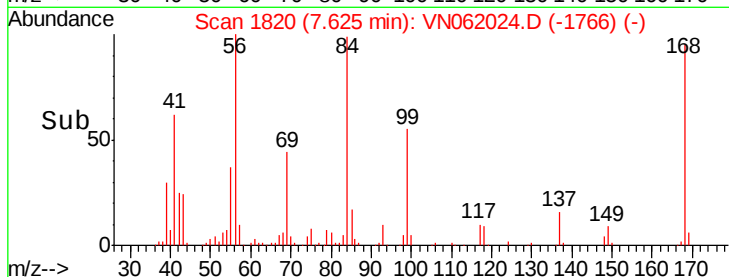
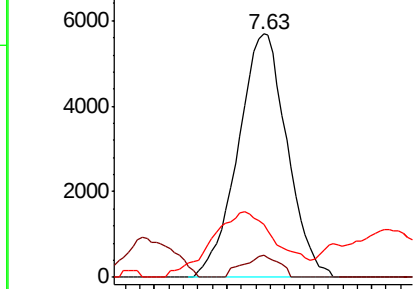
#36
 1,1-Dichloropropene
 Concen: 4.756 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062024.D
 Acq: 23 Jun 2020 2:21

Instrument :
 MSVOA_N
 ClientSampled :
 TW-7

Tot Ion: 75 Resp: 13380
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.2 54.6#
 77 36.8 24.2 36.4#

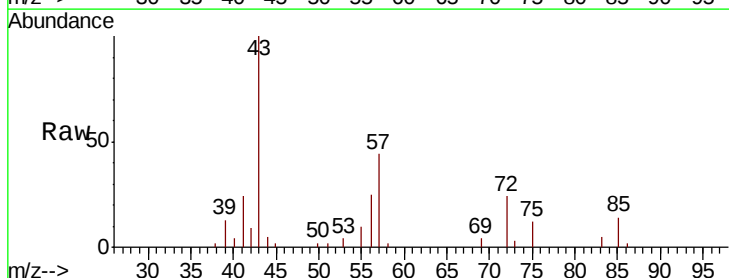


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

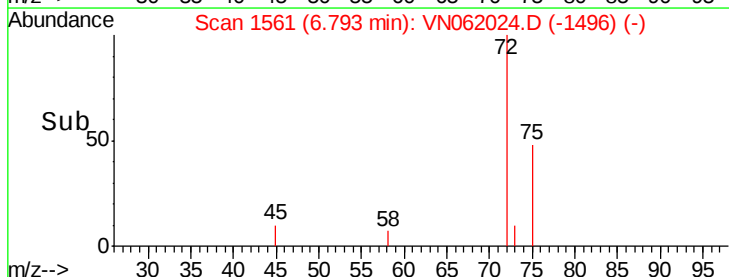
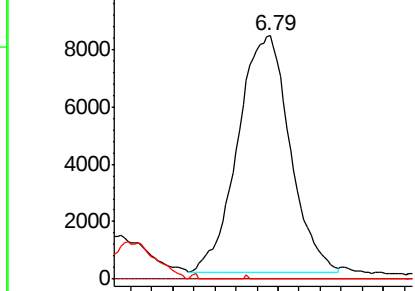


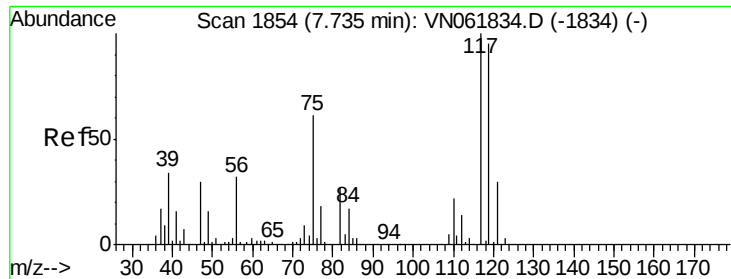
#37
 Ethyl Acetate
 Concen: 12.817 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.09 min
 Lab File: VN062024.D
 Acq: 23 Jun 2020 2:21

Tgt Ion: 43 Resp: 28161
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.847 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

TW-7

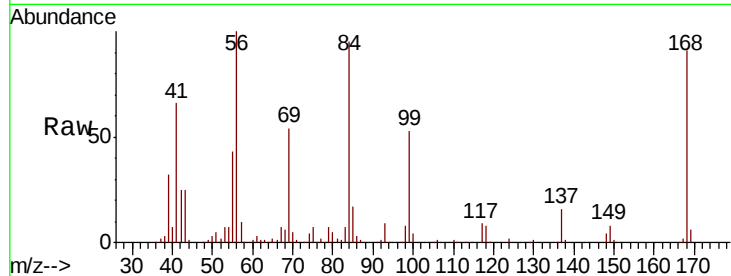
Tot Ion:117 Resp: 16291

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

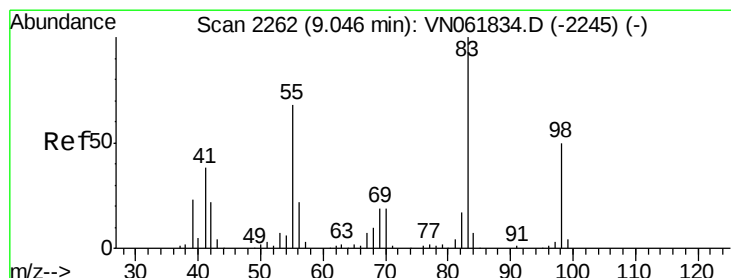
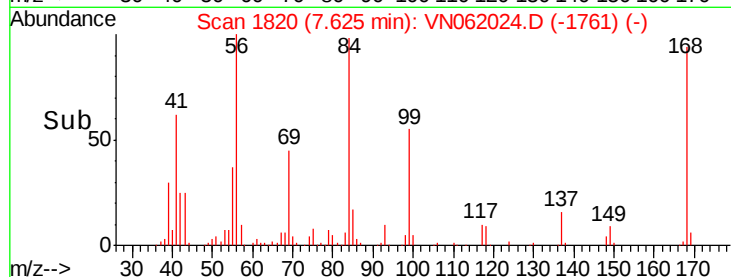
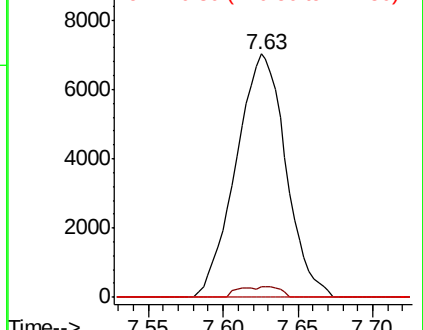
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 112.531 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

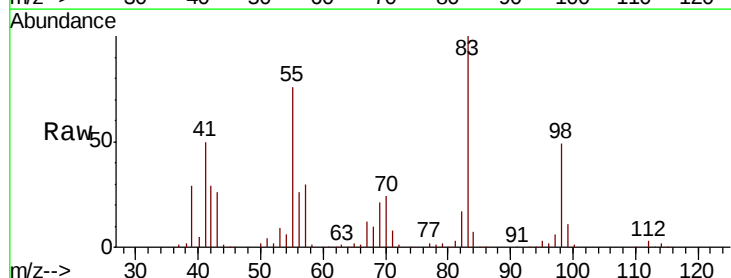
Tgt Ion: 83 Resp: 340927

Ion Ratio Lower Upper

83 100

55 75.4 54.2 81.4

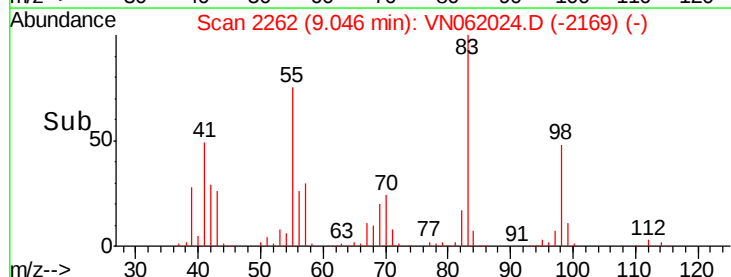
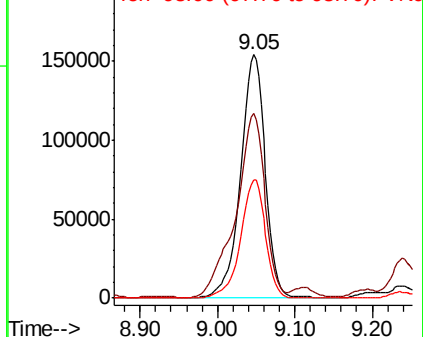
98 48.7 39.8 59.6

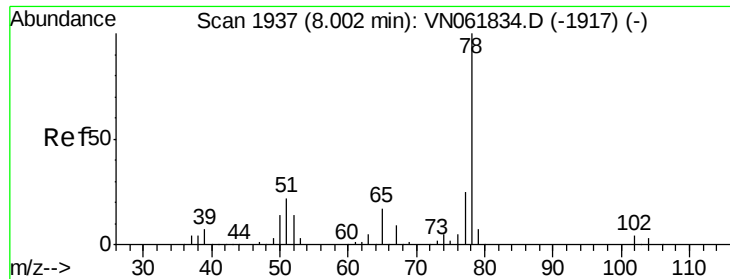


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 12.798 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

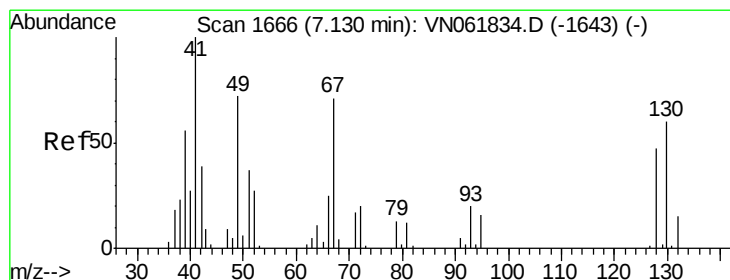
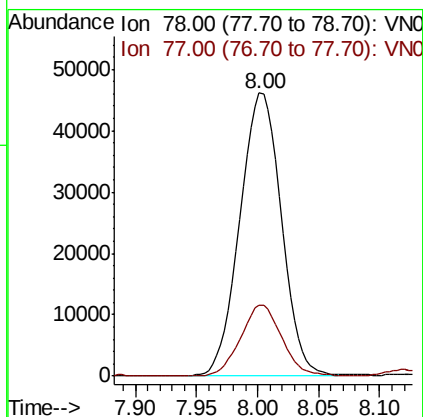
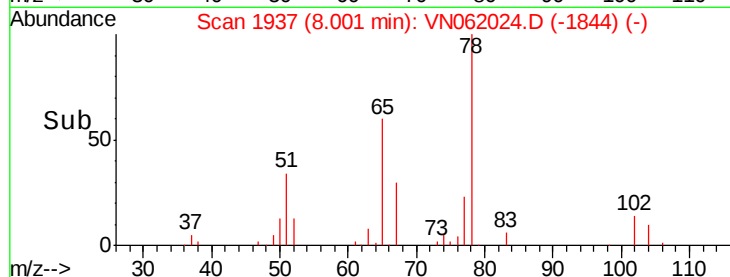
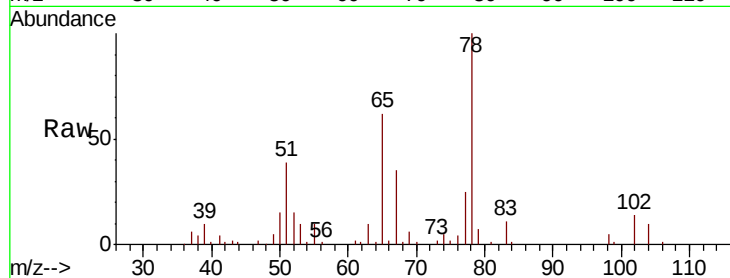
Instrument :
MSVOA_N
ClientSampled :
TW-7

Tot Ion: 78 Resp: 109080

Ion Ratio Lower Upper

78 100

77 25.2 19.7 29.5



#41

Methacrylonitrile

Concen: 10.257 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.04 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Tgt Ion: 41 Resp: 9637

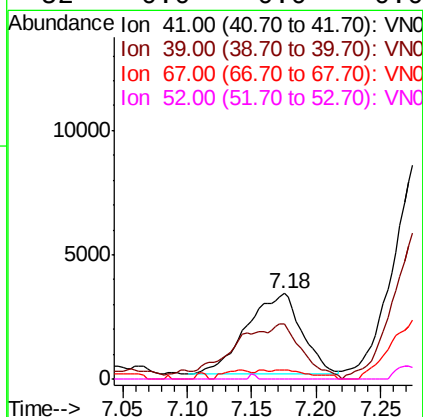
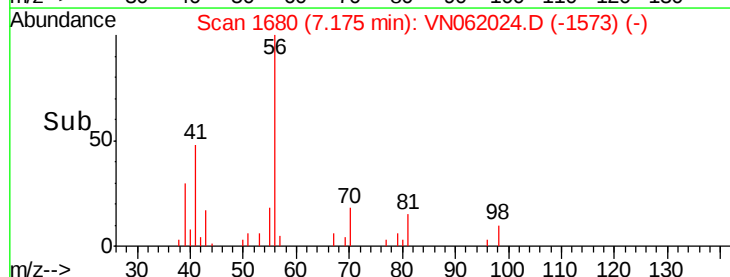
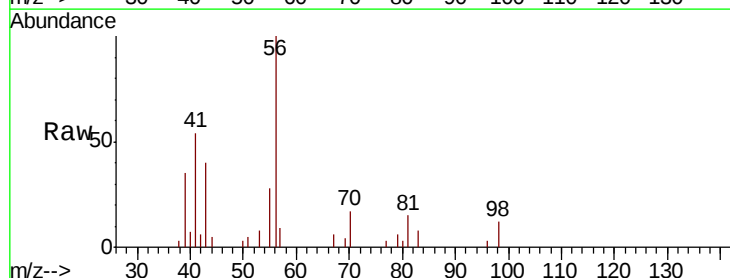
Ion Ratio Lower Upper

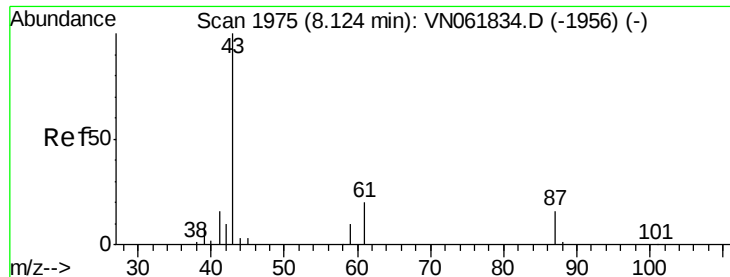
41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 9.625 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

TW-7

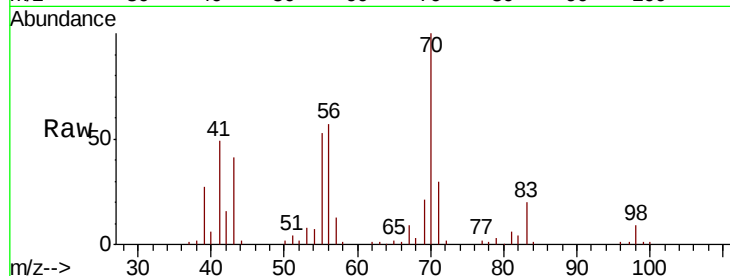
Tot Ion: 43 Resp: 35638

Ion Ratio Lower Upper

43 100

61 0.4 24.0 36.0#

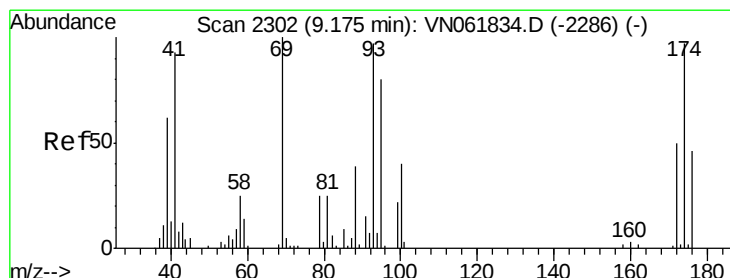
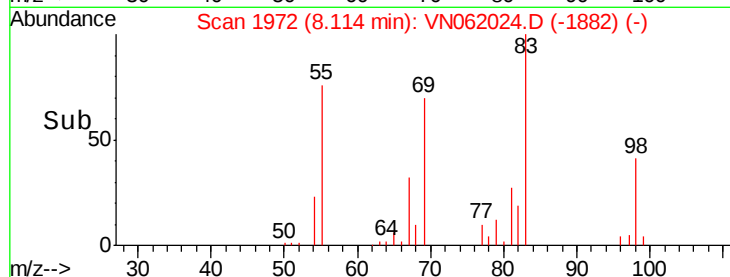
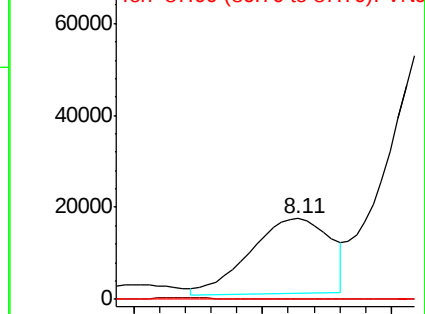
87 0.0 12.5 18.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061834.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1956) (-)



#46

Dibromomethane

Concen: 0.315 ug/l

RT: 9.13 min Scan# 2288

Delta R.T. -0.05 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

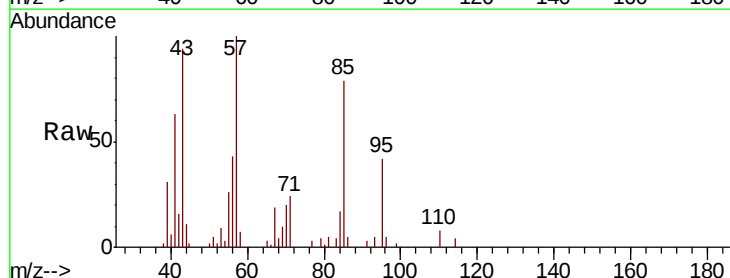
Tgt Ion: 93 Resp: 465

Ion Ratio Lower Upper

93 100

95 0.0 65.8 98.6#

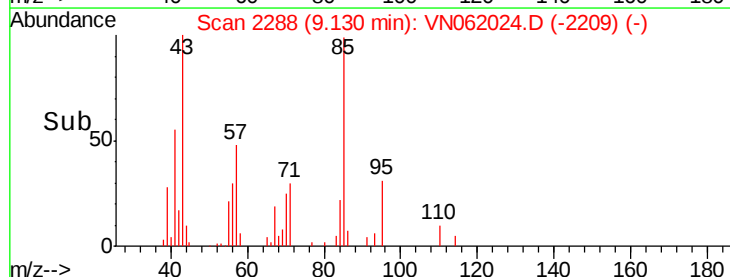
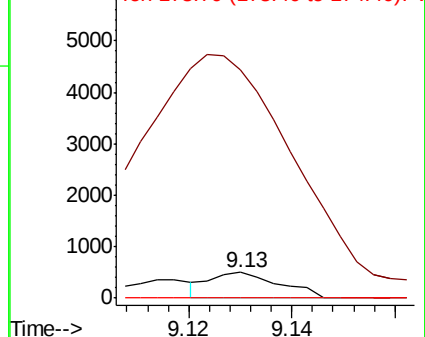
174 0.0 78.5 117.7#

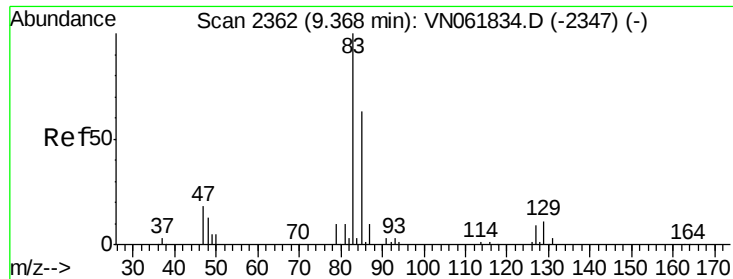


Abundance Ion 92.80 (92.50 to 93.50): VN061834.D (-2286) (-)

Ion 94.80 (94.50 to 95.50): VN061834.D (-2286) (-)

Ion 173.70 (173.40 to 174.40): VN061834.D (-2286) (-)





#47

Bromodichloromethane

Concen: 17.240 ug/l

RT: 9.36 min Scan# 2358

Delta R.T. -0.01 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

TW-7

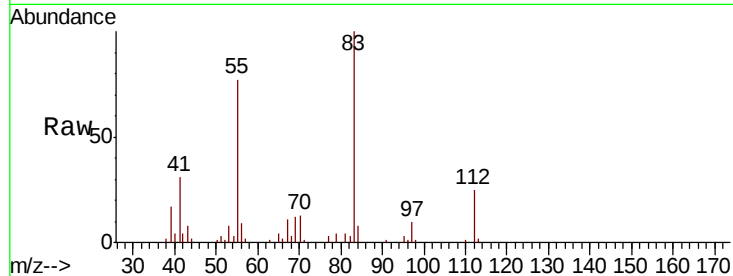
Tot Ion: 83 Resp: 52068

Ion Ratio Lower Upper

83 100

85 0.0 50.8 76.2#

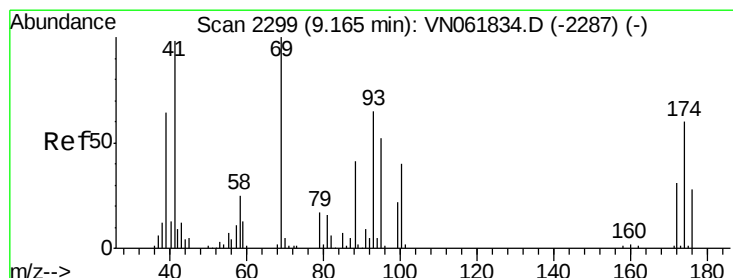
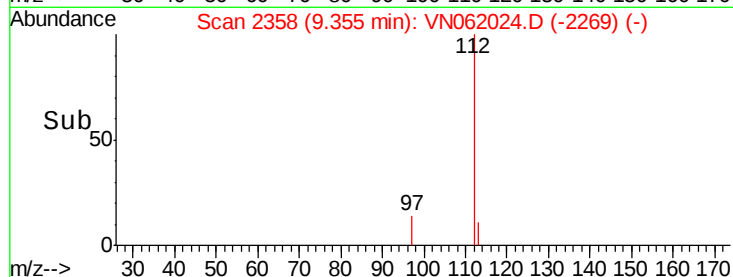
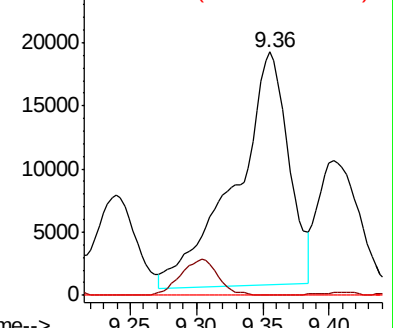
127 0.0 7.0 10.4#



Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-2347) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-2347) (-)

Ion 126.80 (126.50 to 127.50): VN061834.D (-2347) (-)



#48

Methyl methacrylate

Concen: 12.495 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.03 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

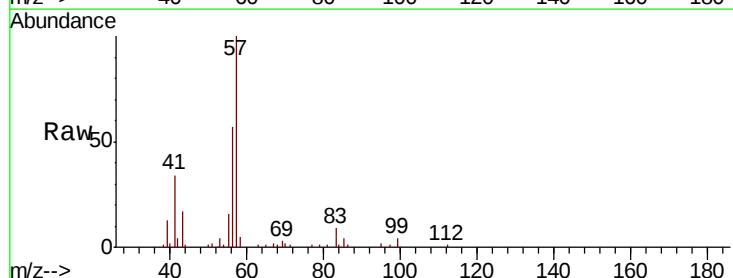
Tgt Ion: 41 Resp: 21040

Ion Ratio Lower Upper

41 100

69 0.0 83.0 124.4#

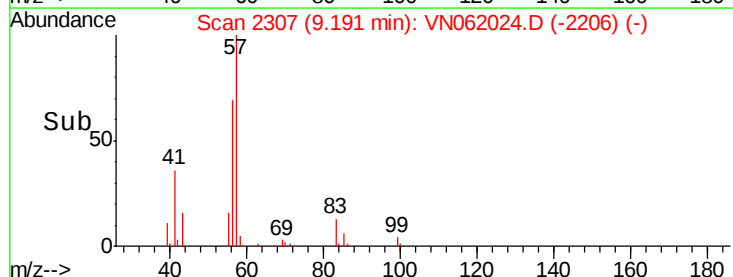
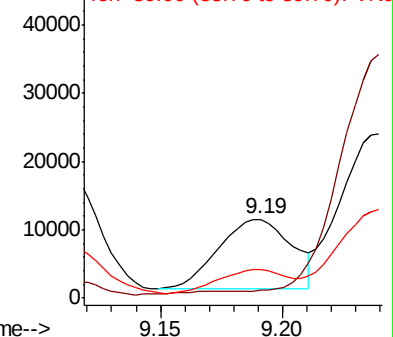
39 31.1 55.1 82.7#

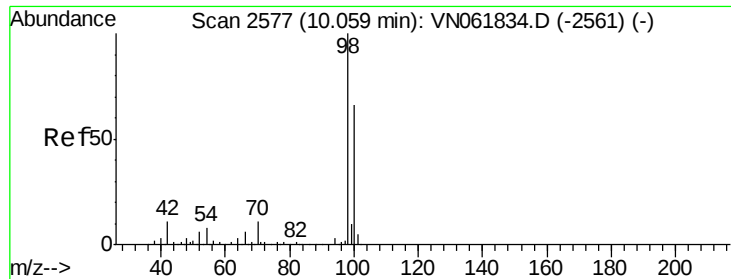


Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-2287) (-)





#50

Toluene-d8

Concen: 52.709 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

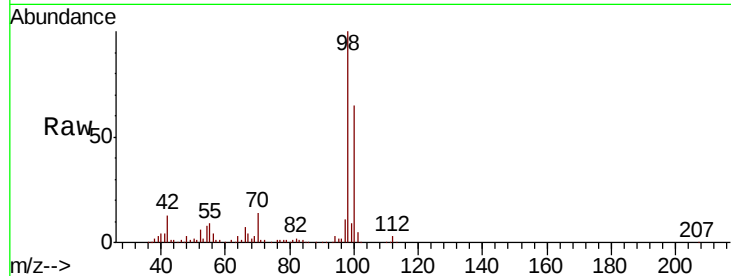
TW-7

Tot Ion: 98 Resp: 408936

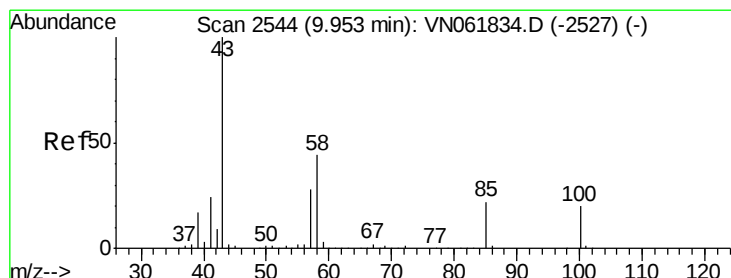
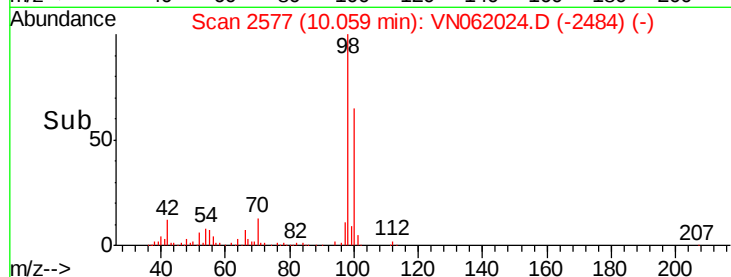
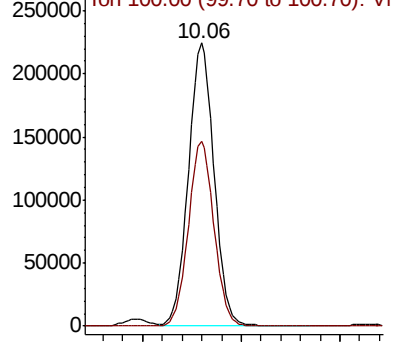
Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 21.542 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.04 min

Lab File: VN062024.D

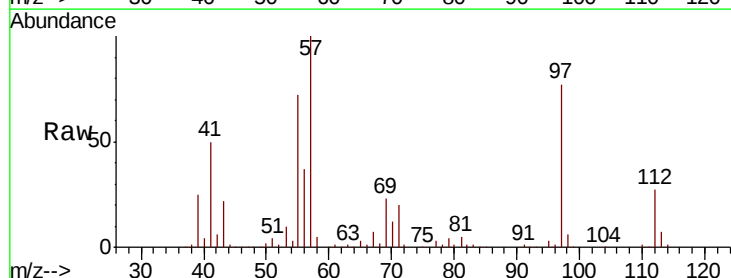
Acq: 23 Jun 2020 2:21

Tgt Ion: 43 Resp: 47135

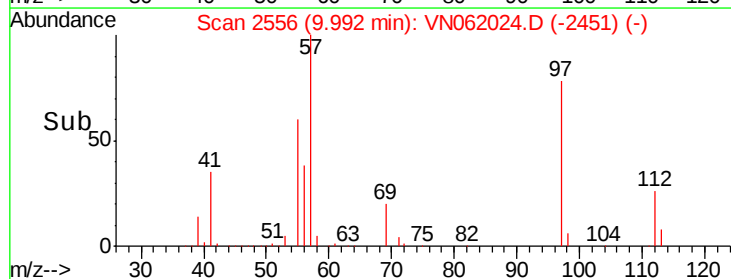
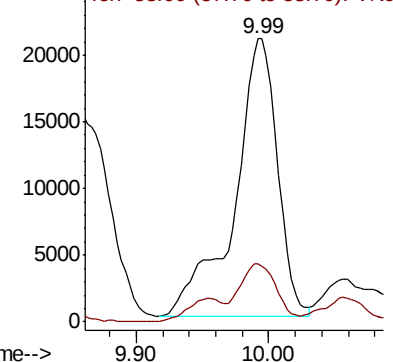
Ion Ratio Lower Upper

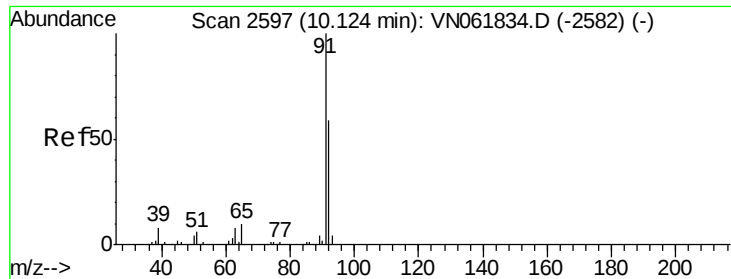
43 100

58 18.4 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)





#52

Toluene

Concen: 19.445 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

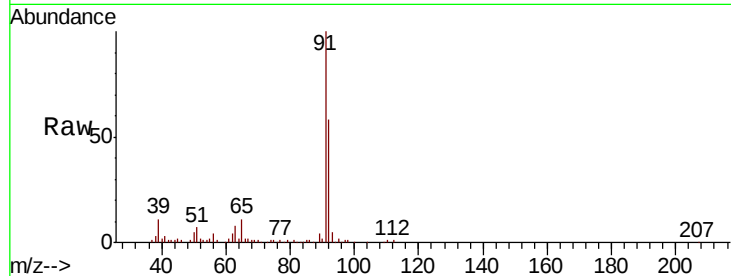
TW-7

Tot Ion: 92 Resp: 104083

Ion Ratio Lower Upper

92 100

91 168.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

100000

80000

60000

40000

20000

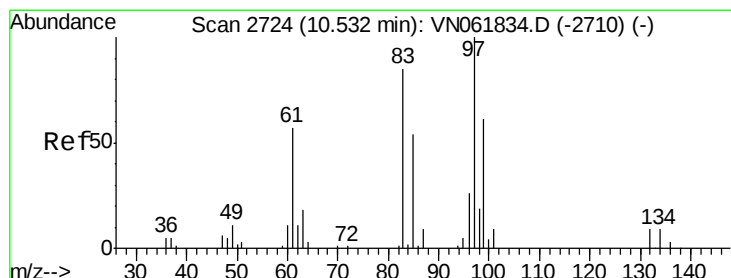
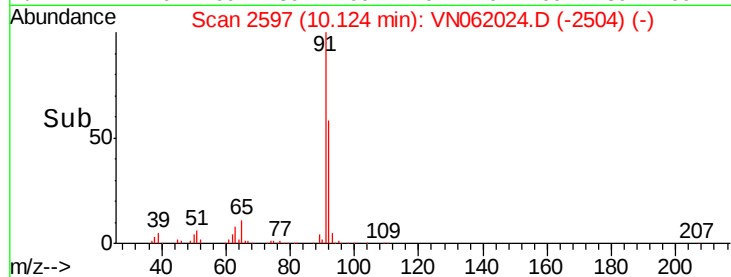
0

10.10

10.12

10.20

Time-->



#55

1,1,2-Trichloroethane

Concen: 13.869 ug/l

RT: 10.50 min Scan# 2715

Delta R.T. -0.03 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Tgt Ion: 97 Resp: 29208

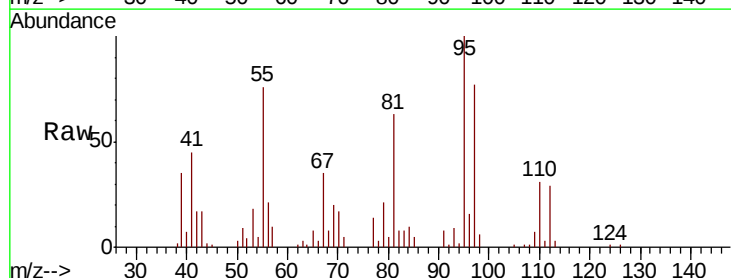
Ion Ratio Lower Upper

97 100

83 6.2 67.7 101.5#

85 7.0 43.4 65.0#

99 0.0 48.8 73.2#



Abundance Ion 96.90 (96.60 to 97.60): VN061834.D (-2710) (-)

Ion 82.90 (82.60 to 83.60): VN061834.D (-2710) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-2710) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-2710) (-)

20000

15000

10000

5000

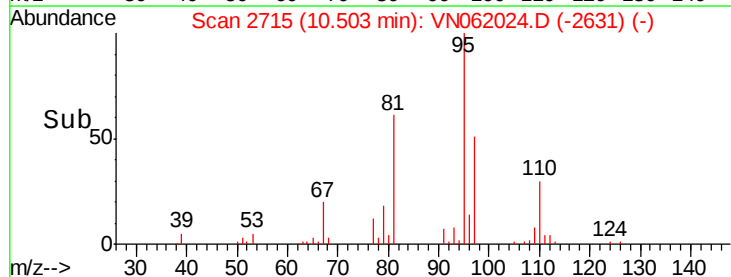
0

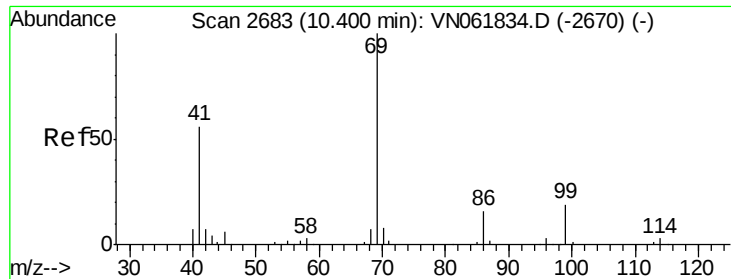
10.45

10.50

10.55

Time-->

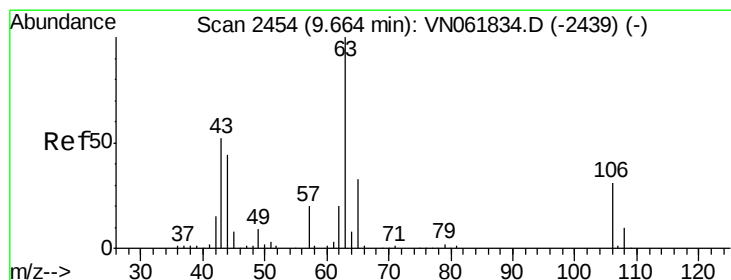
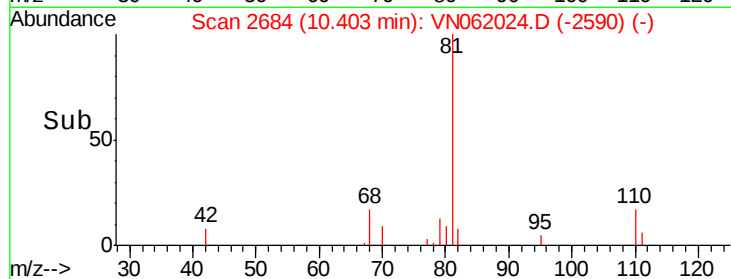
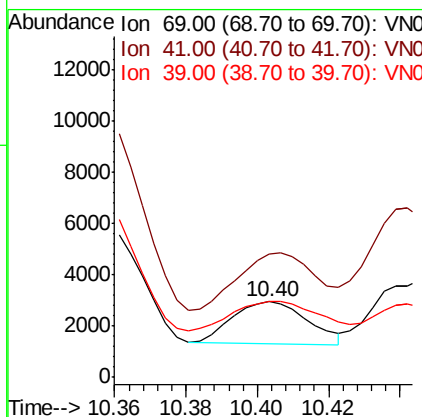
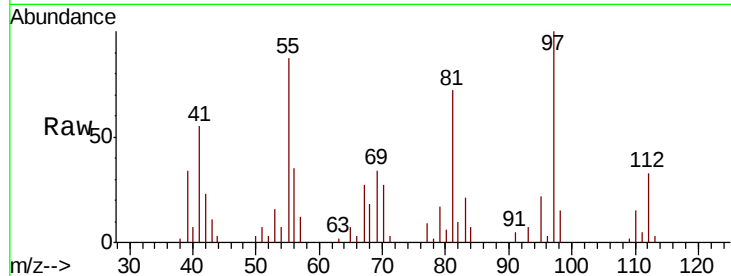




#56
Ethyl methacrylate
Concen: 3.609 ug/l
RT: 10.40 min Scan# 2684
Delta R.T. 0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

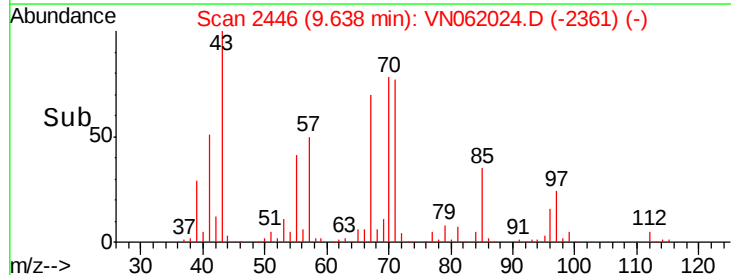
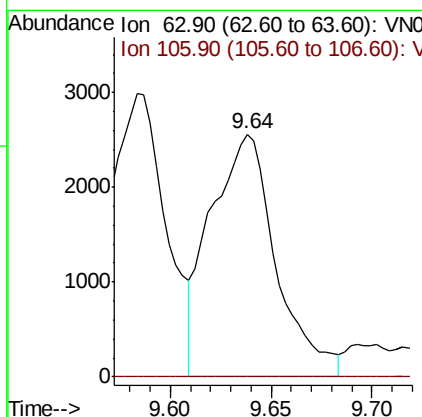
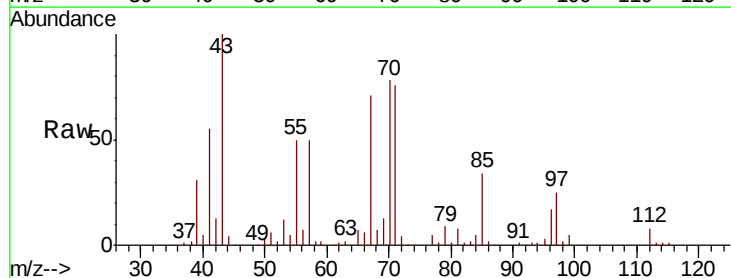
Instrument :
MSVOA_N
ClientSampled :
TW-7

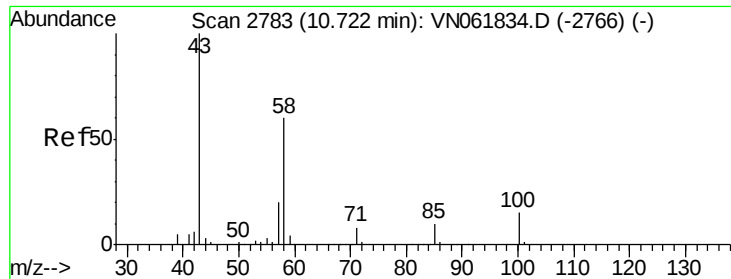
Tot Ion: 69 Resp: 2414
Ion Ratio Lower Upper
69 100
41 216.4 44.9 67.3#
39 71.6 30.0 45.0#



#58
2-Chloroethyl Vinyl ether
Concen: 5.186 ug/l
RT: 9.64 min Scan# 2446
Delta R.T. -0.03 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 63 Resp: 5764
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

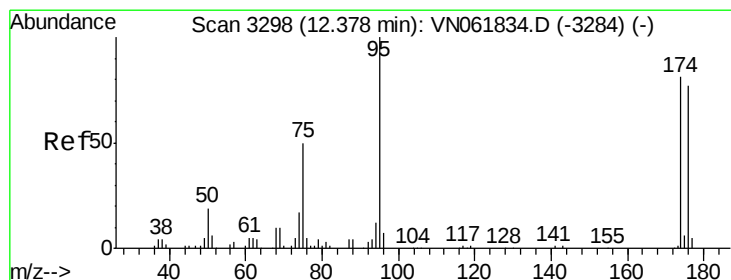
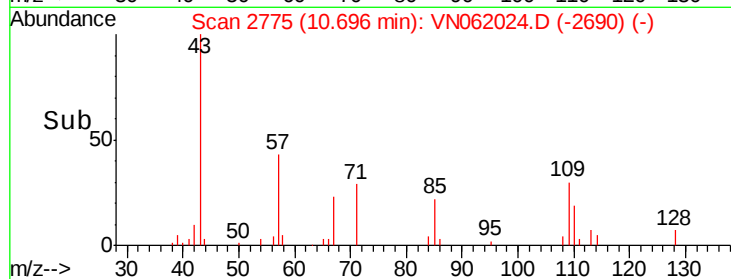
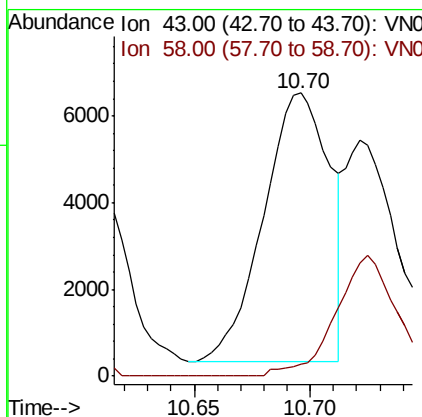
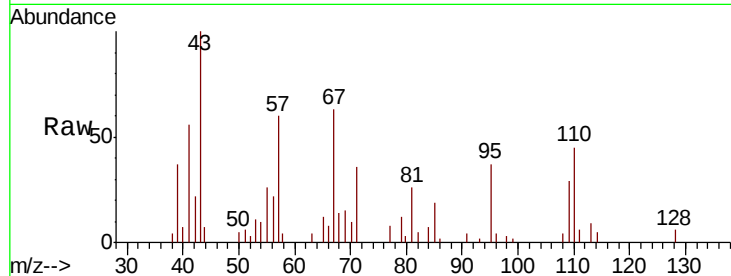




#59
2-Hexanone
Concen: 20.058 ug/l
RT: 10.70 min Scan# 2775
Delta R.T. -0.03 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

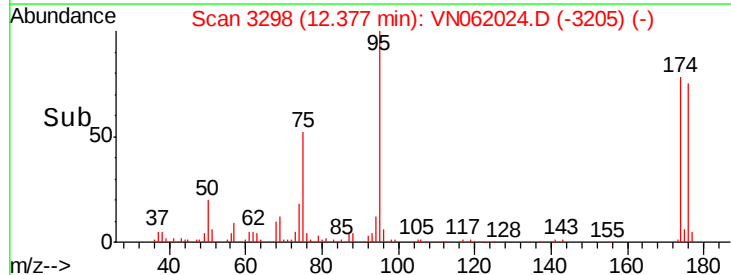
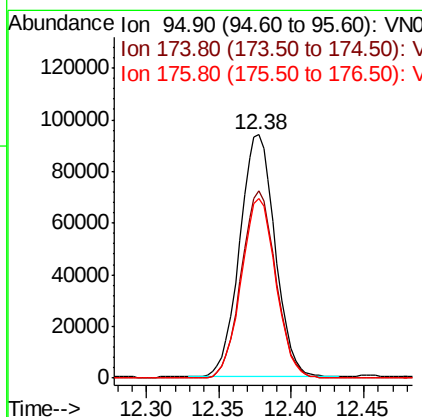
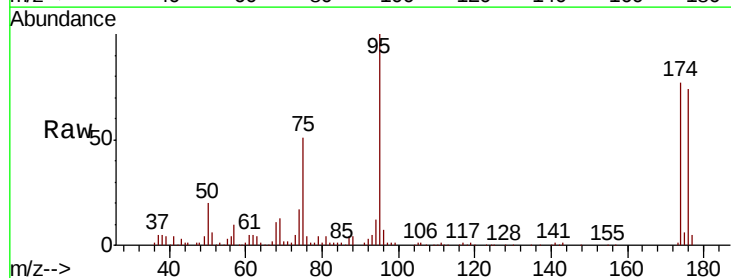
Instrument :
MSVOA_N
ClientSampleId :
TW-7

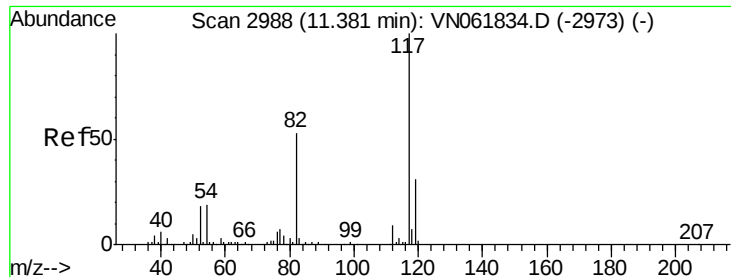
Tot Ion: 43 Resp: 12286
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.5#



#62
4-Bromofluorobenzene
Concen: 59.849 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 95 Resp: 159271
Ion Ratio Lower Upper
95 100
174 75.4 0.0 158.6
176 72.6 0.0 152.0

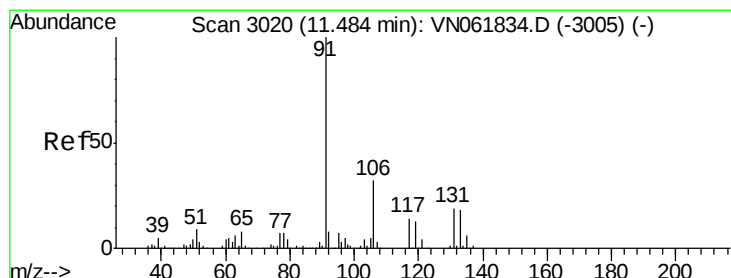
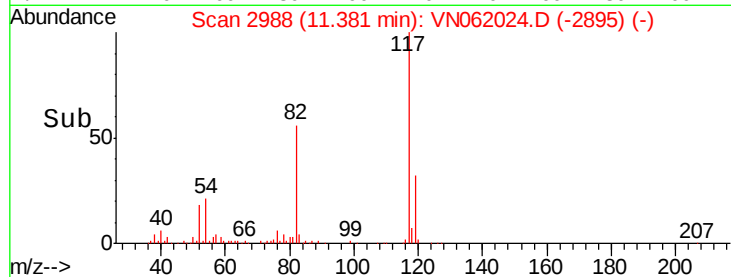
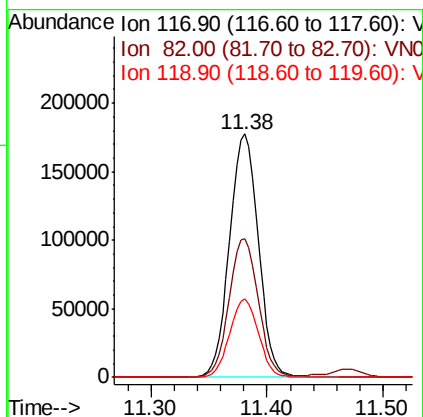
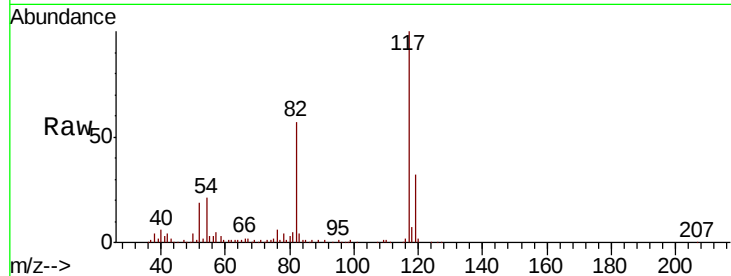




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

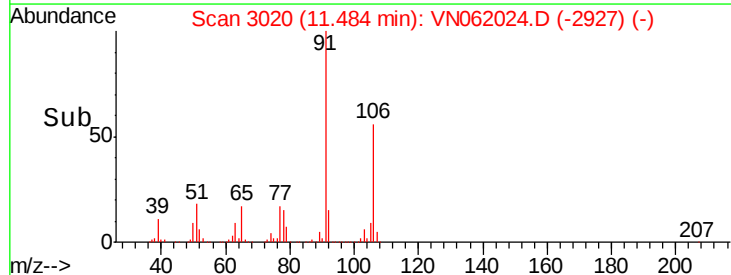
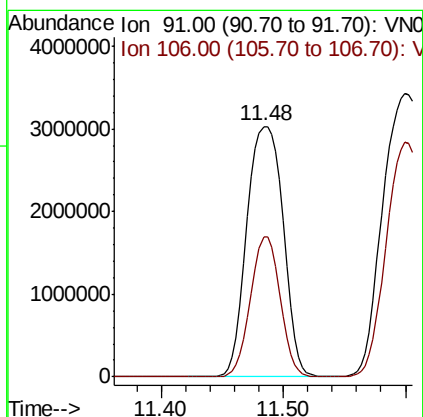
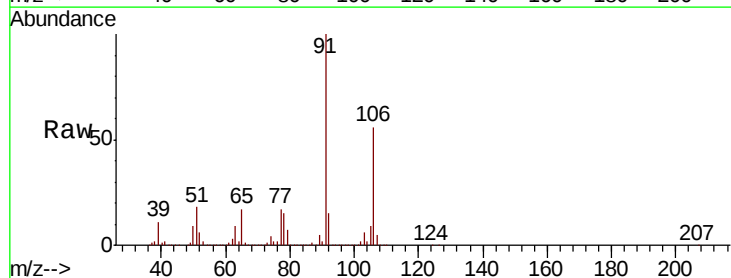
Instrument :
MSVOA_N
ClientSampled :
TW-7

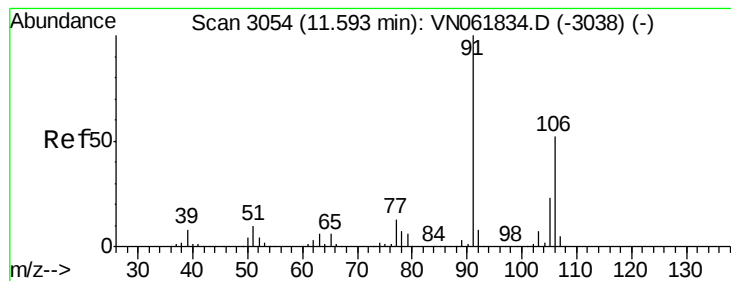
Tot Ion:117 Resp: 306312
Ion Ratio Lower Upper
117 100
82 56.7 42.6 64.0
119 32.1 24.7 37.1



#67
Ethyl Benzene
Concen: 575.143 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 91 Resp: 6232748
Ion Ratio Lower Upper
91 100
106 55.9 25.4 38.2#





#68

m/p-Xylenes

Concen: 1478.011 ug/l

RT: 11.60 min Scan# 3056

Delta R.T. 0.01 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

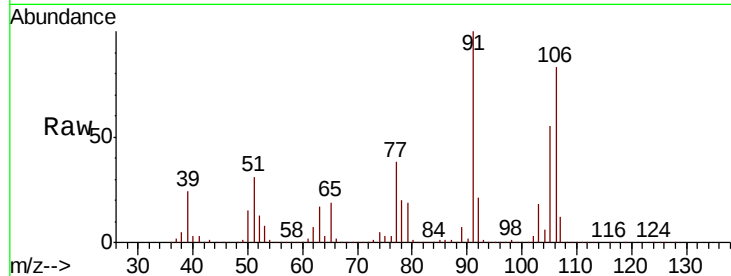
TW-7

Tot Ion:106 Resp: 6176157

Ion Ratio Lower Upper

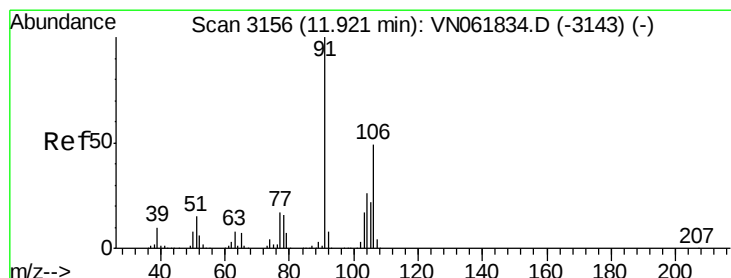
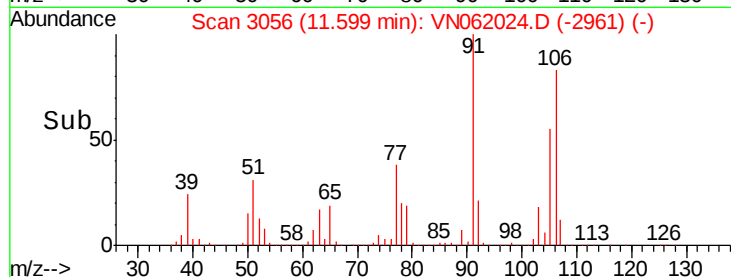
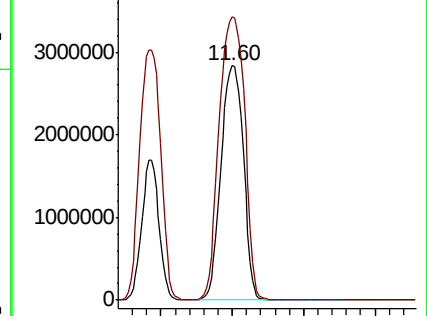
106 100

91 138.3 157.0 235.6#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 55.019 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN062024.D

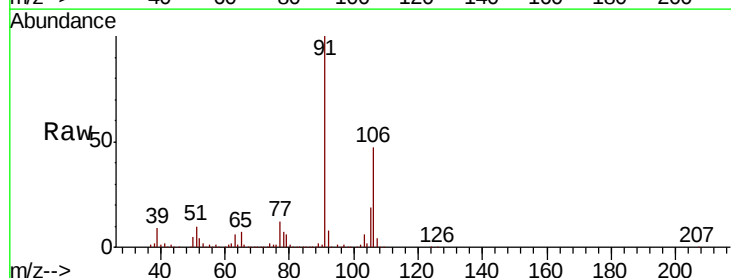
Acq: 23 Jun 2020 2:21

Tgt Ion:106 Resp: 219368

Ion Ratio Lower Upper

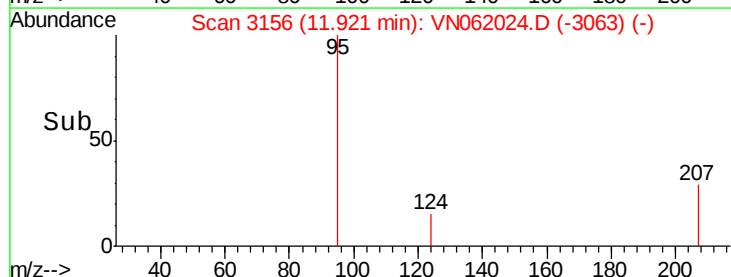
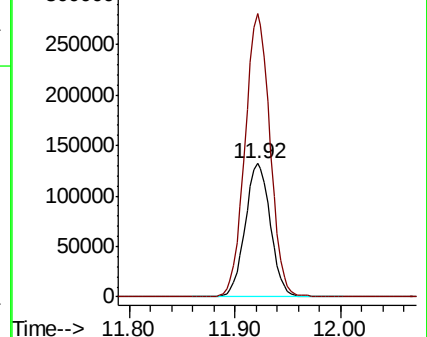
106 100

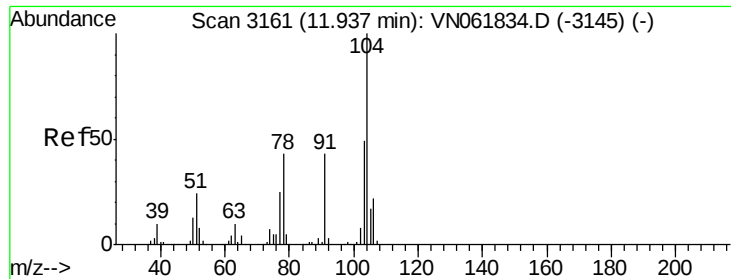
91 210.2 103.0 308.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

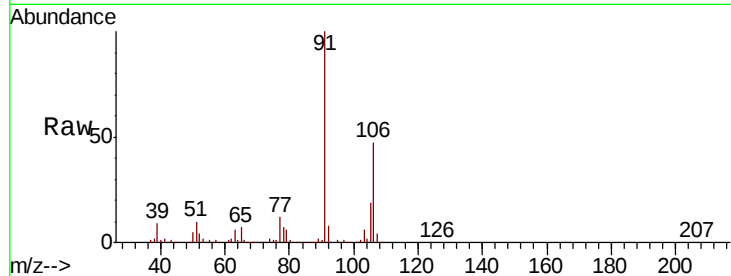




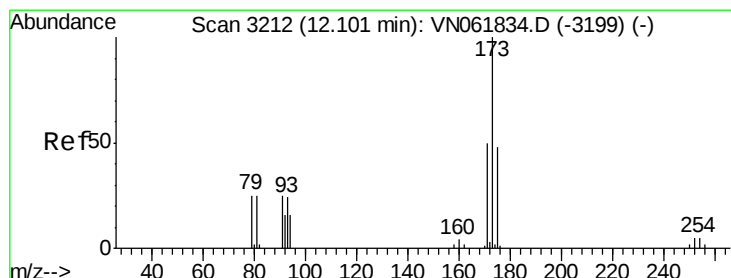
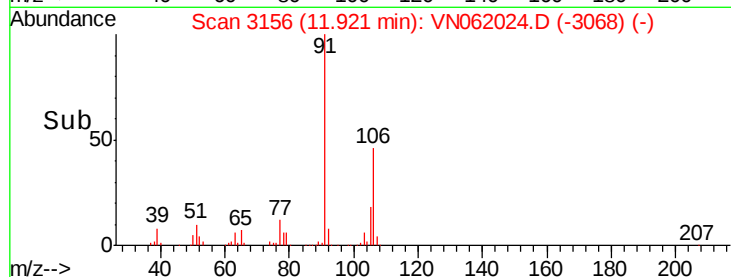
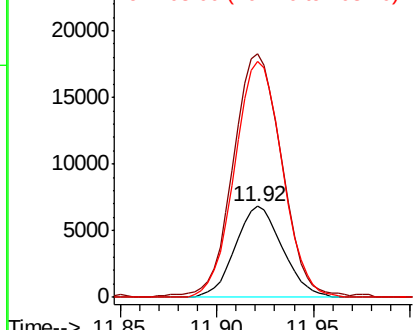
#70
Stvrene
Concen: 1.733 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.02 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Instrument :
MSVOA_N
ClientSampled :
TW-7

Tot Ion:104 Resp: 11570
Ion Ratio Lower Upper
104 100
78 276.1 37.6 56.4#
103 262.0 43.0 64.4#

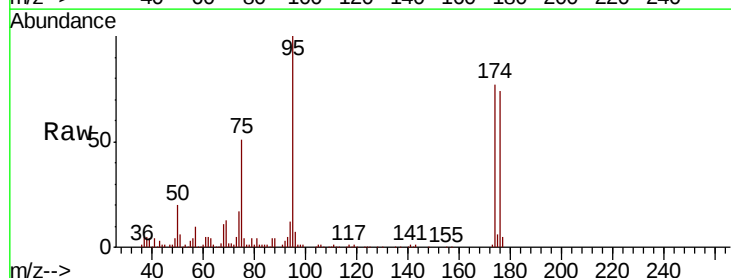


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

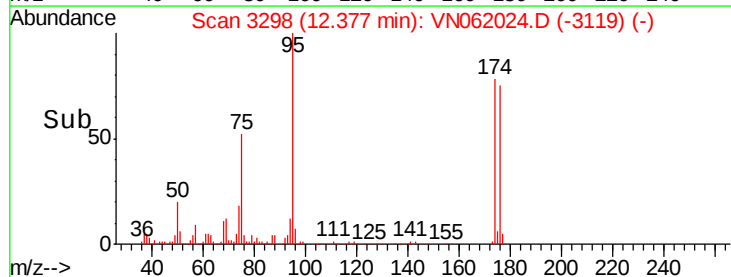
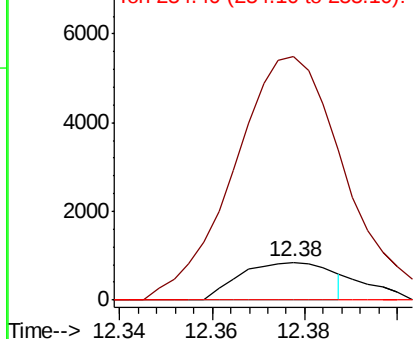


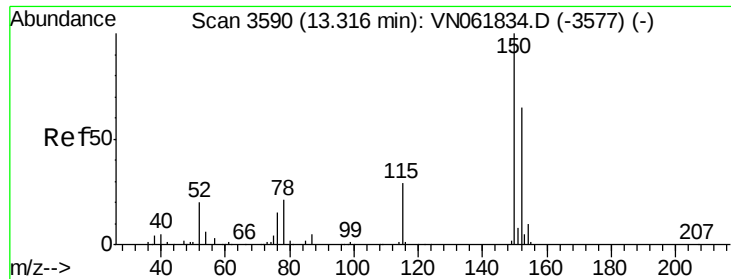
#71
Bromoform
Concen: 0.706 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion:173 Resp: 1160
Ion Ratio Lower Upper
173 100
175 673.8 23.9 71.7#
254 0.0 0.0 0.0



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



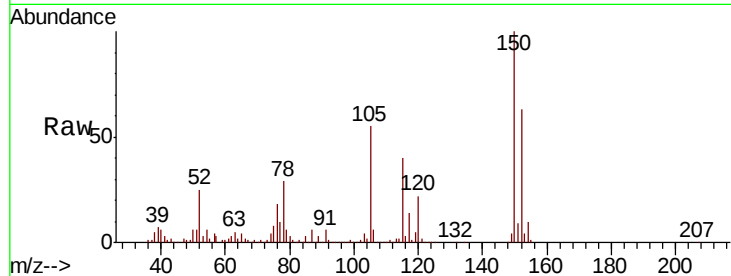


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Instrument :
MSVOA_N
ClientSampled :
TW-7

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.1	87.3#
150	159.4	0.0	347.6

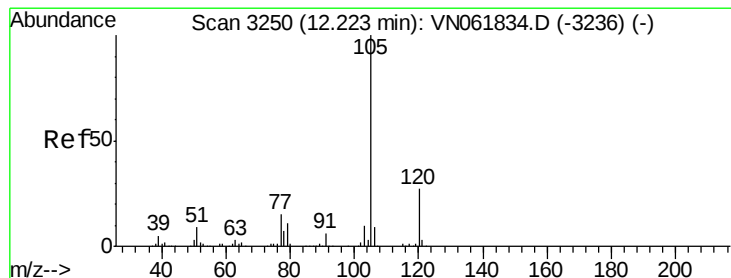
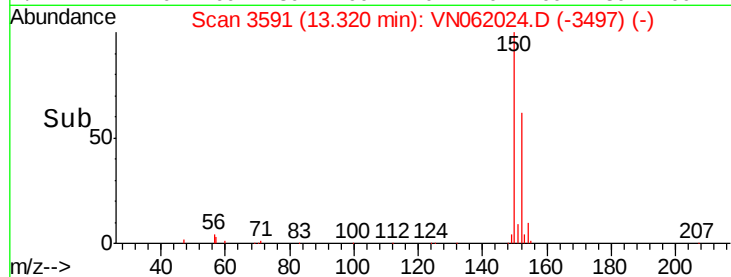
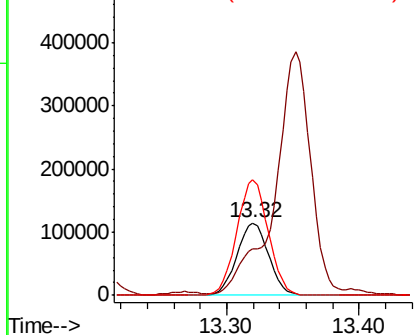


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

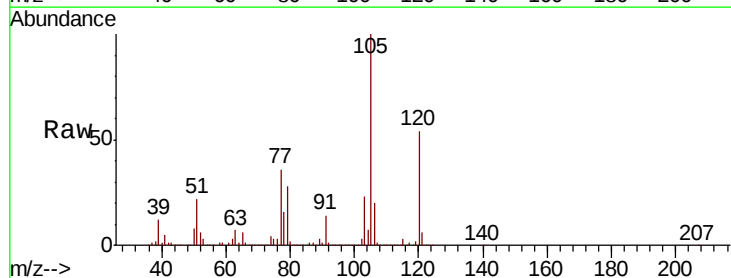
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 510.999 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

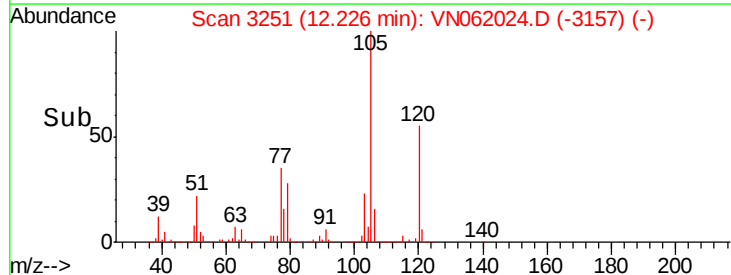
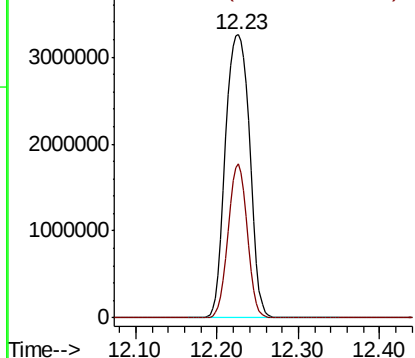
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	13.3	39.8#

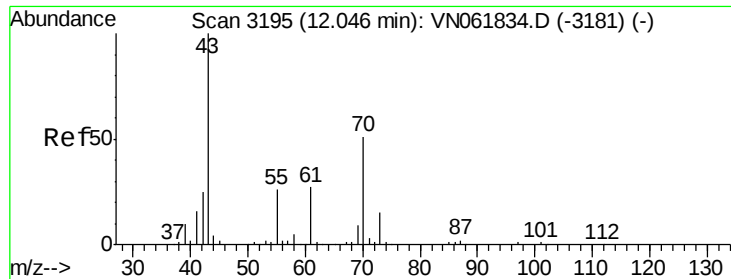


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 4.327 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

TW-7

Tot Ion: 43 Resp: 6554

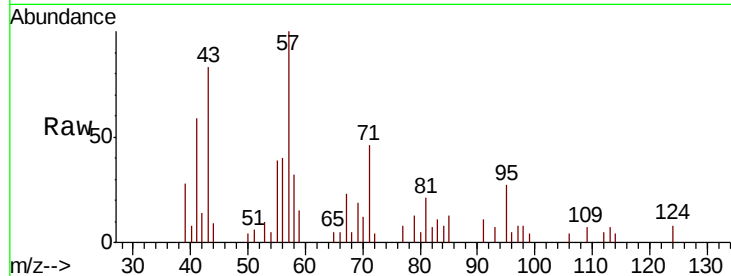
Ion Ratio Lower Upper

43 100

70 16.8 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

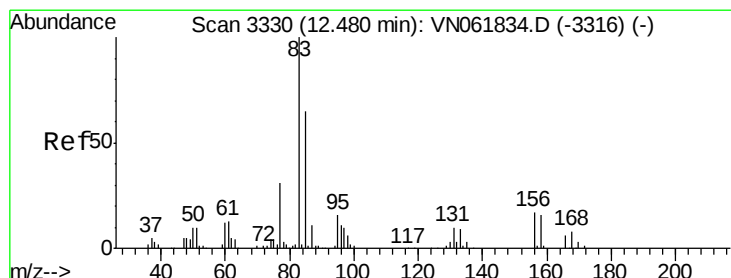
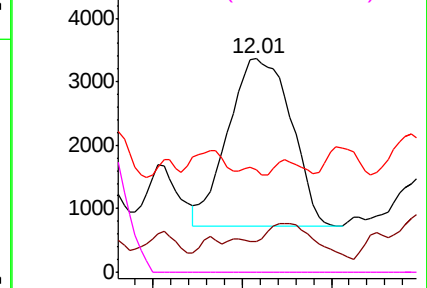
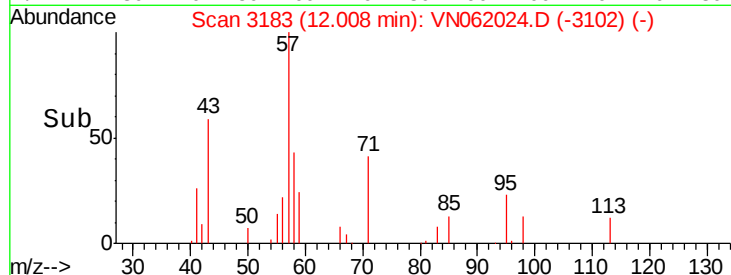


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-3181) (-)

Ion 70.00 (69.70 to 70.70): VN061834.D (-3181) (-)

Ion 55.00 (54.70 to 55.70): VN061834.D (-3181) (-)

Ion 61.00 (60.70 to 61.70): VN061834.D (-3181) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 0.231 ug/l

RT: 12.46 min Scan# 3323

Delta R.T. -0.02 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

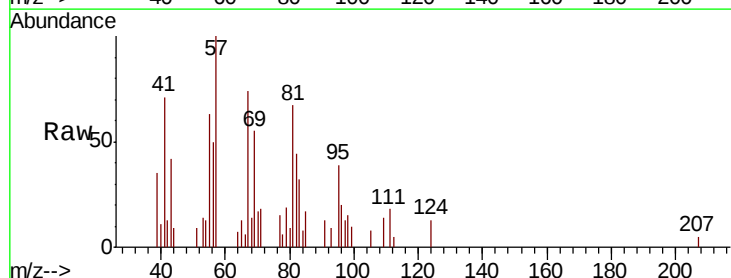
Tgt Ion: 83 Resp: 1010

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

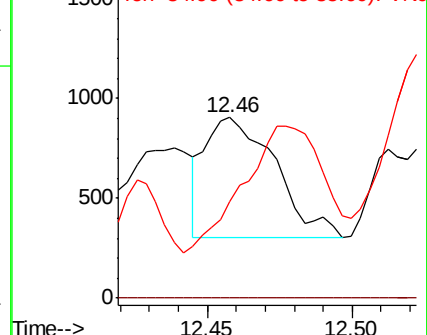
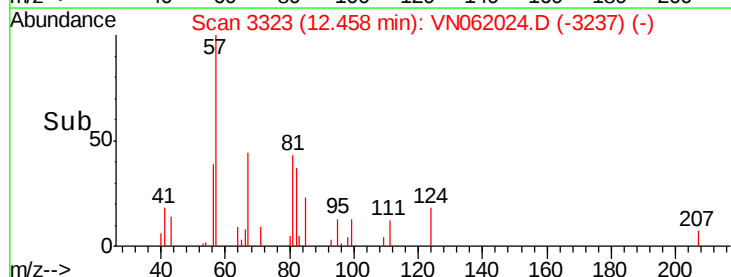
85 122.9 32.4 97.2#

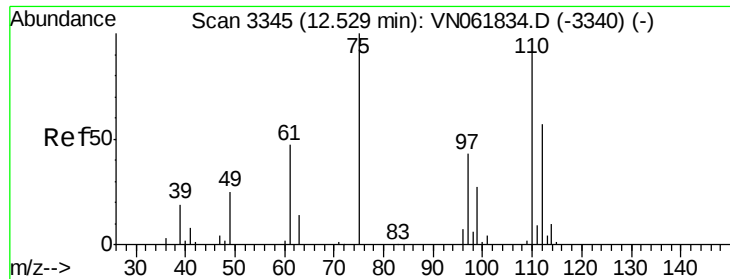


Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN061834.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-3316) (-)





#76

1,2,3-Trichloropropane

Concen: 25.653 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.04 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

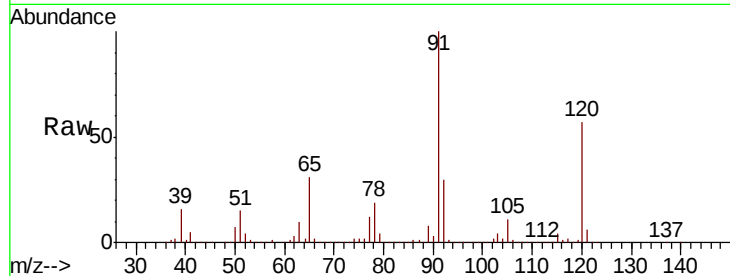
TW-7

Tot Ion: 75 Resp: 95368

Ion Ratio Lower Upper

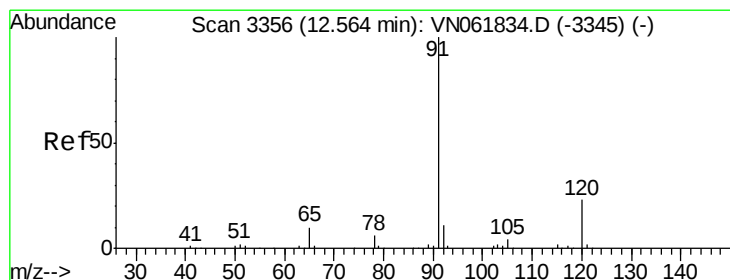
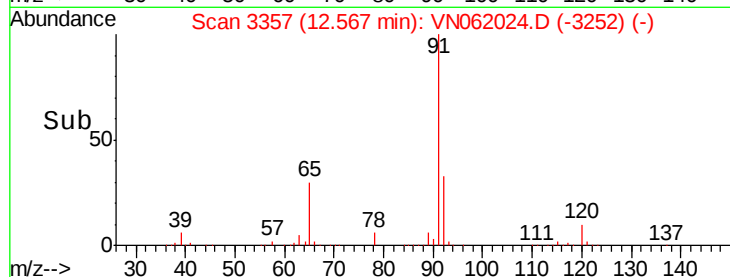
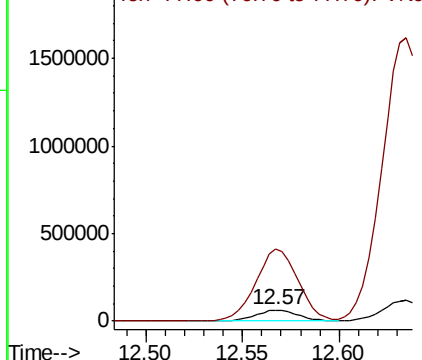
75 100

77 656.4 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: 498.104 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062024.D

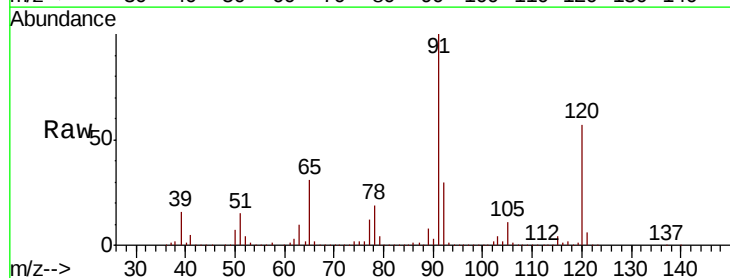
Acq: 23 Jun 2020 2:21

Tgt Ion: 91 Resp: 7647876

Ion Ratio Lower Upper

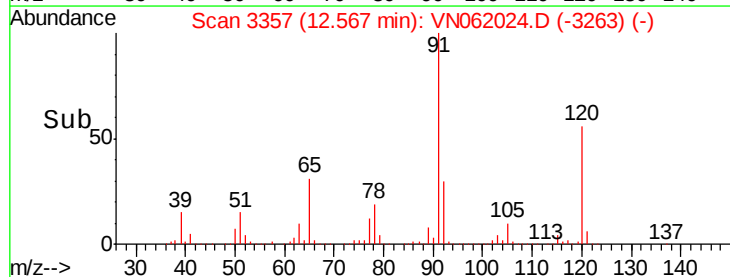
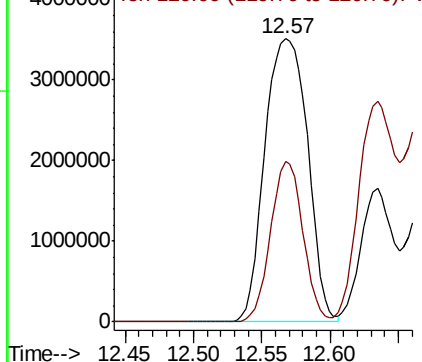
91 100

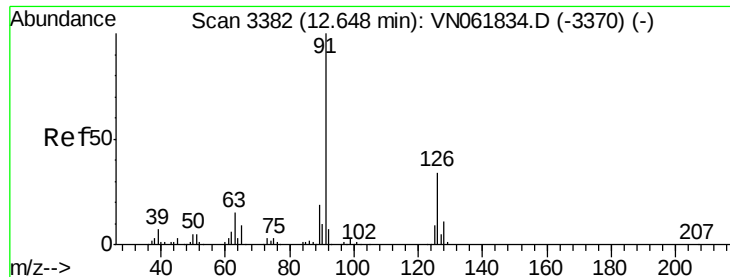
120 42.7 11.6 34.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

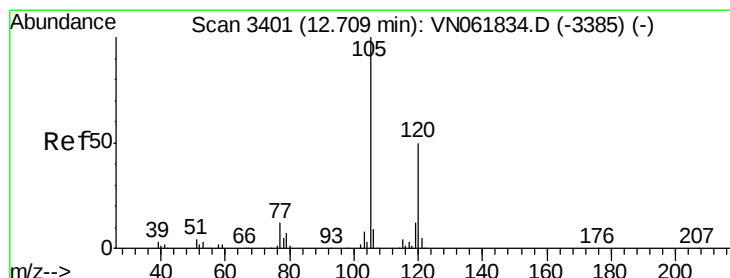
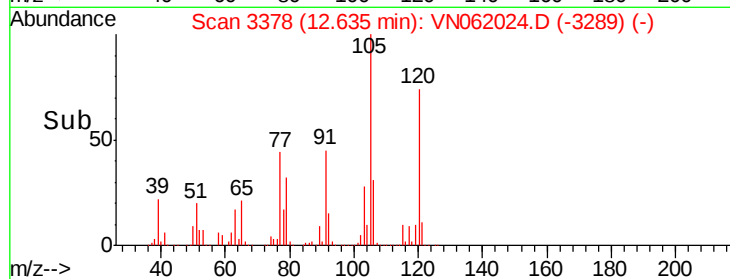
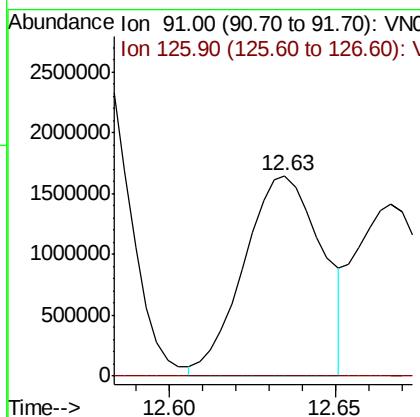
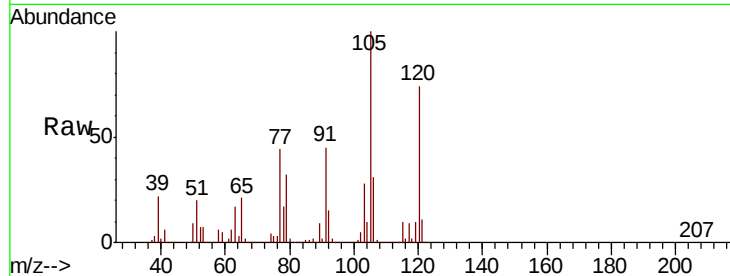




#79
 2-Chlorotoluene
 Concen: 292.273 ug/l
 RT: 12.63 min Scan# 3378
 Delta R.T. -0.01 min
 Lab File: VN062024.D
 Acq: 23 Jun 2020 2:21

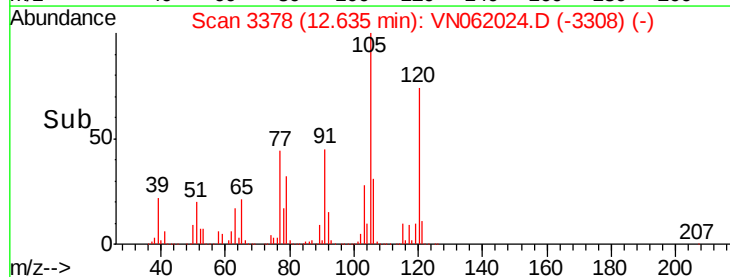
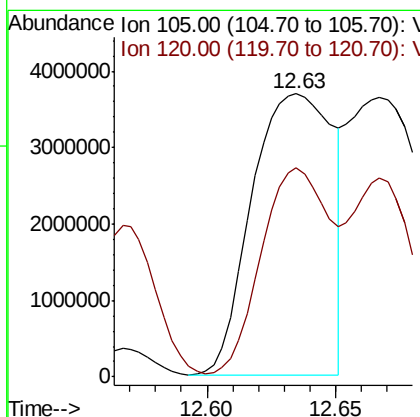
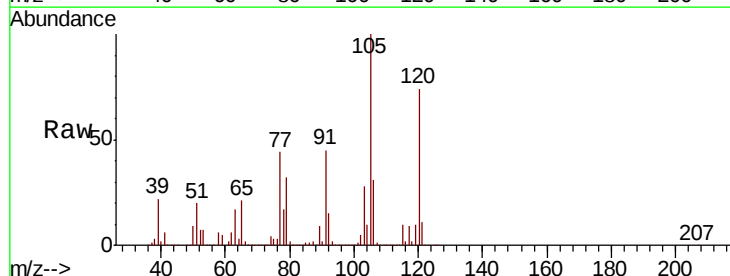
Instrument :
 MSVOA_N
 ClientSampled :
 TW-7

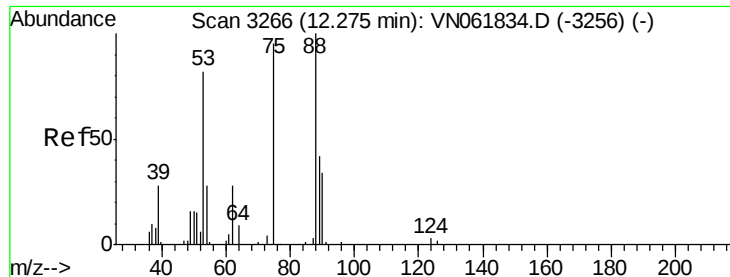
Tot Ion: 91 Resp: 2695197
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.3 51.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 720.579 ug/l
 RT: 12.63 min Scan# 3378
 Delta R.T. -0.07 min
 Lab File: VN062024.D
 Acq: 23 Jun 2020 2:21

Tgt Ion:105 Resp: 8021863
 Ion Ratio Lower Upper
 105 100
 120 61.4 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 100.014 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.05 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampled :

TW-7

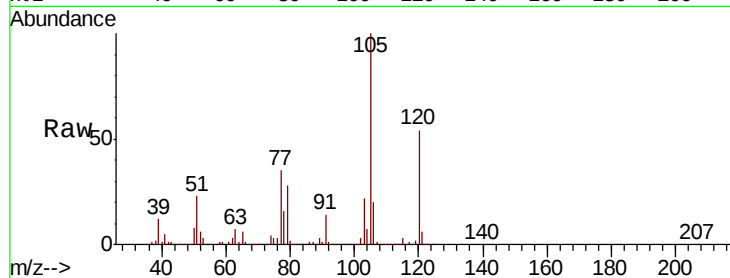
Tot Ion: 75 Resp: 136323

Ion Ratio Lower Upper

75 100

53 102.2 70.4 105.6

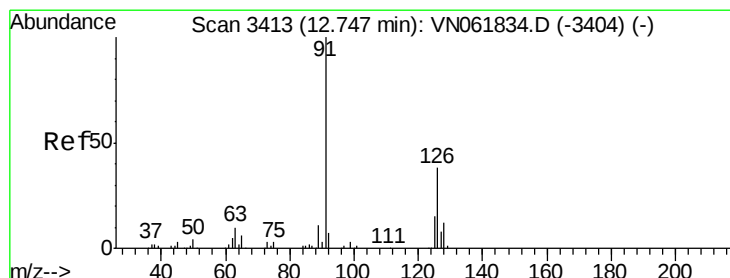
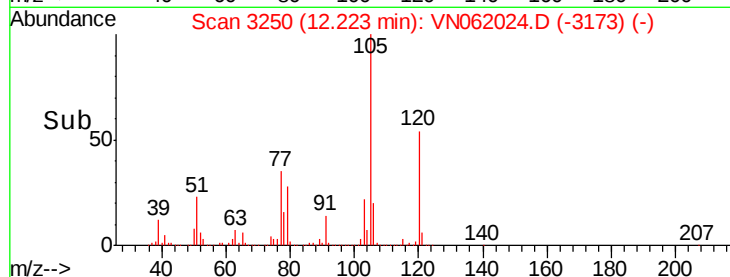
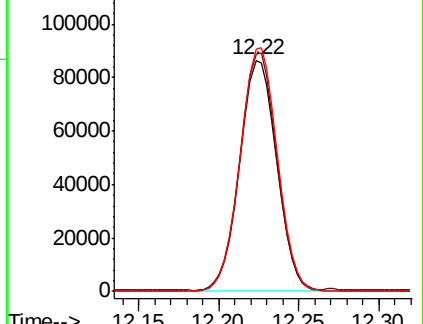
89 105.8 36.0 54.0#



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: 210.097 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. -0.04 min

Lab File: VN062024.D

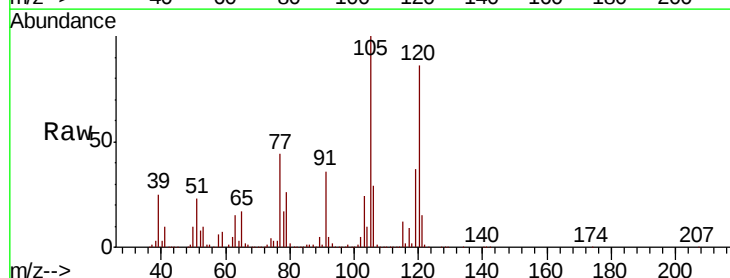
Acq: 23 Jun 2020 2:21

Tgt Ion: 91 Resp: 2001936

Ion Ratio Lower Upper

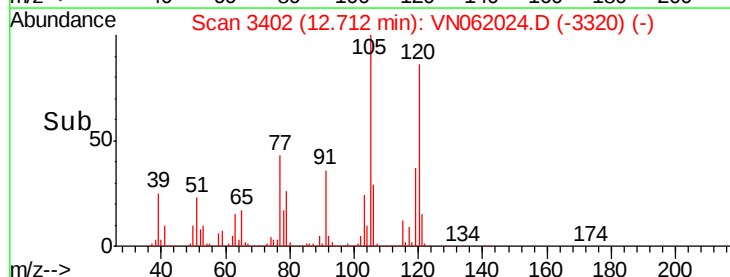
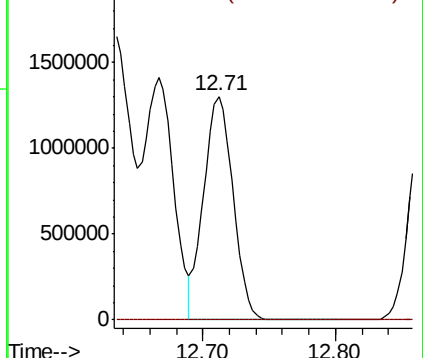
91 100

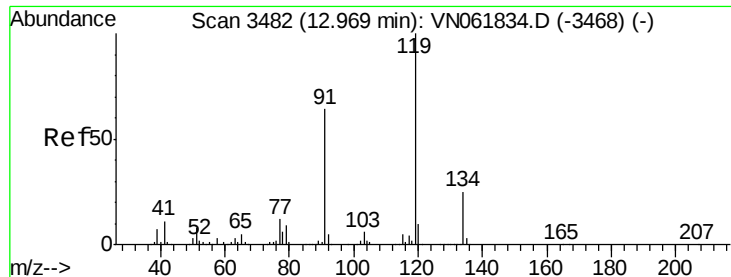
126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

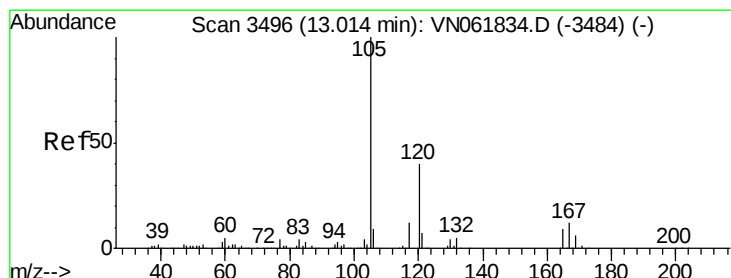
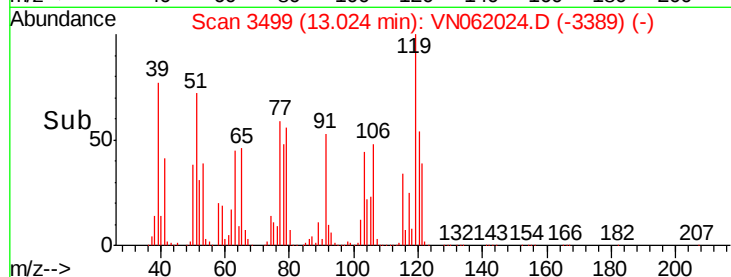
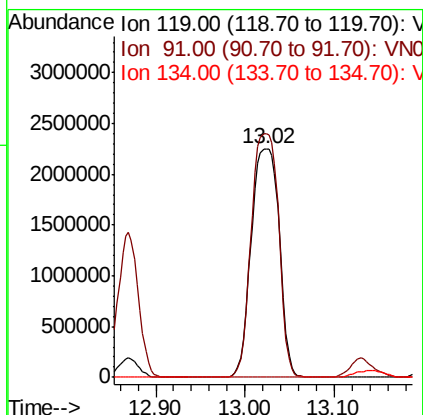
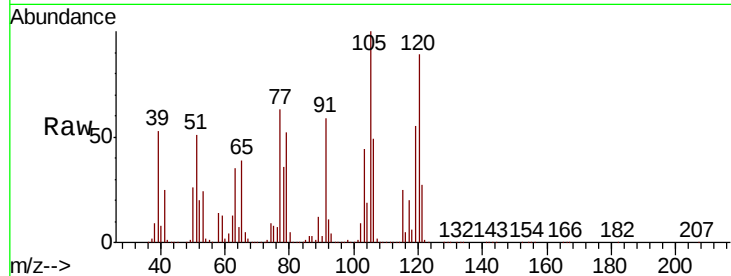




#83
tert-Butylbenzene
Concen: 523.676 ug/l
RT: 13.02 min Scan# 3499
Delta R.T. 0.05 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

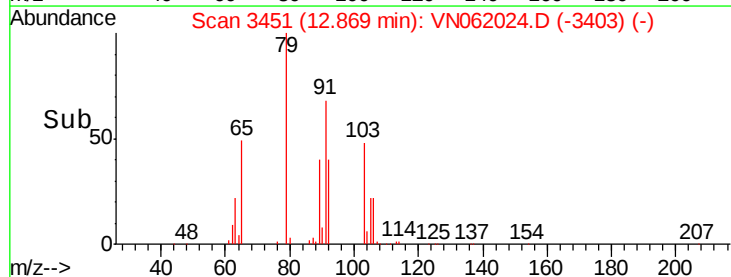
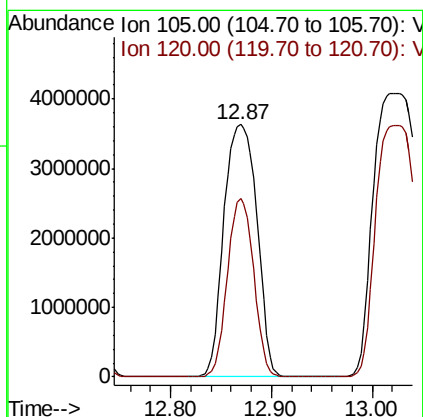
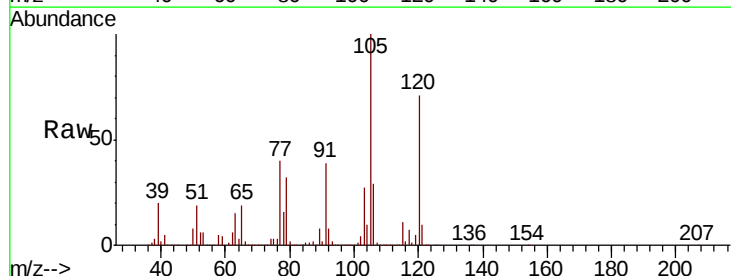
Instrument :
MSVOA_N
ClientSampled :
TW-7

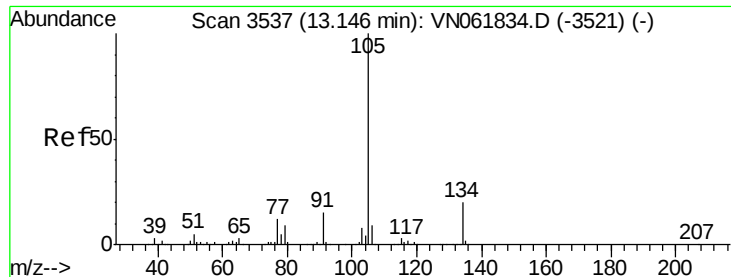
Tot Ion:119 Resp: 4942349
Ion Ratio Lower Upper
119 100
91 103.8 31.5 94.5#
134 0.0 13.3 39.9#



#84
1,2,4-Trimethylbenzene
Concen: 754.125 ug/l
RT: 12.87 min Scan# 3451
Delta R.T. -0.14 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion:105 Resp: 8287282
Ion Ratio Lower Upper
105 100
120 56.5 23.3 69.9





#85

sec-Butylbenzene

Concen: 35.276 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

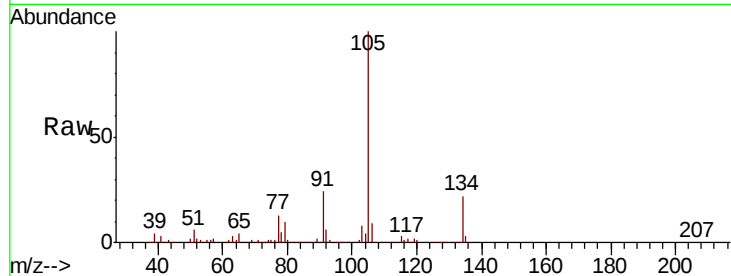
TW-7

Tot Ion:105 Resp: 435765

Ion Ratio Lower Upper

105 100

134 36.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

250000

200000

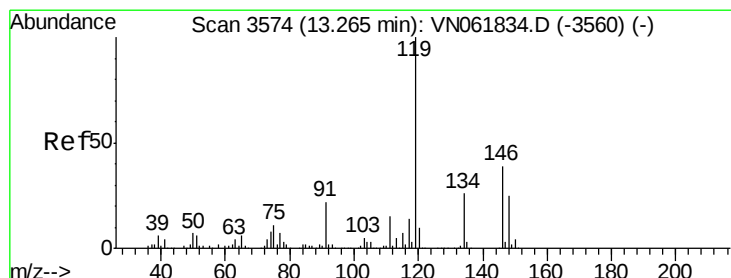
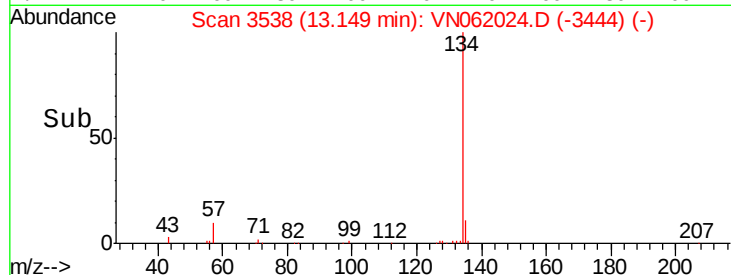
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.494 ug/l

RT: 13.21 min Scan# 3557

Delta R.T. -0.05 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

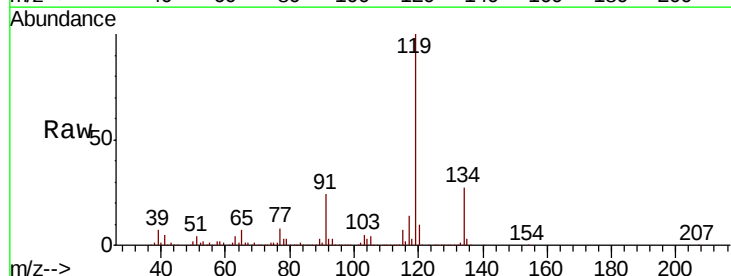
Tgt Ion:119 Resp: 500772

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 0.0 11.2 33.6#



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

13.21

400000

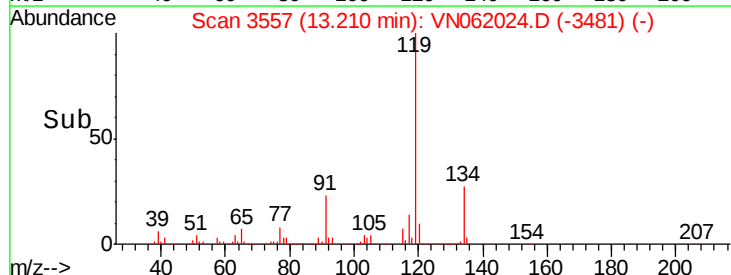
300000

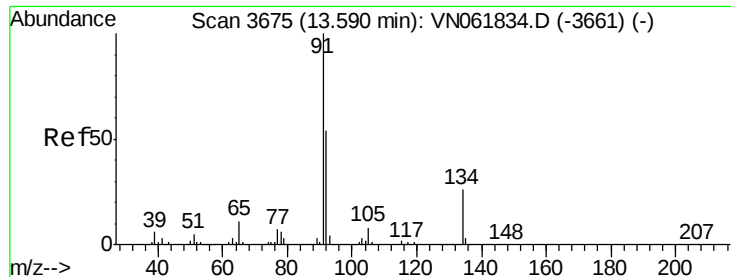
200000

100000

0

Time-->

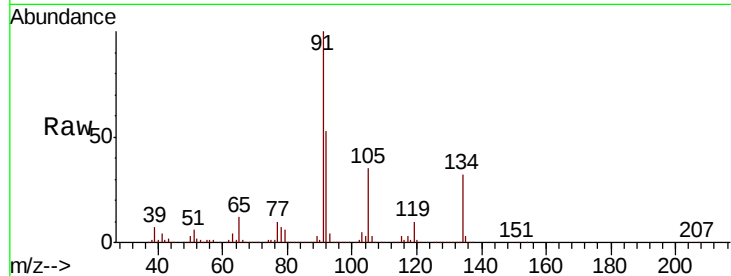




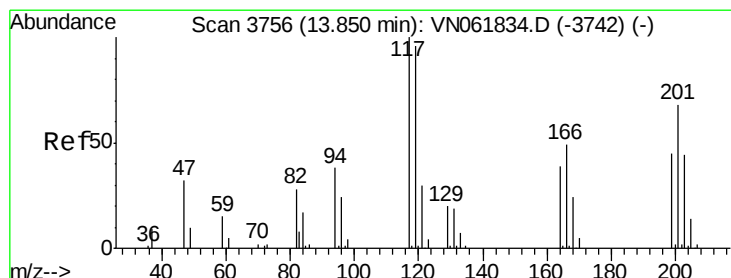
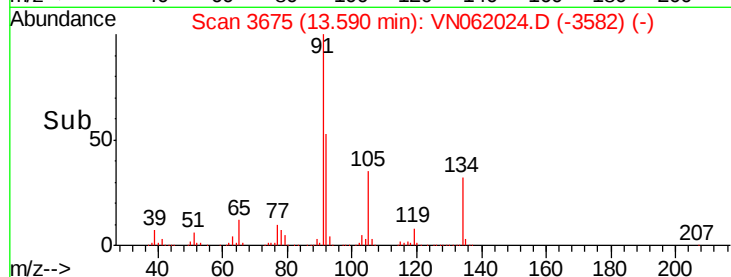
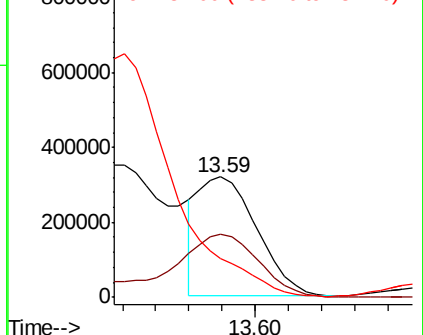
#89
n-Butylbenzene
Concen: 42.040 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Instrument :
MSVOA_N
ClientSampled :
TW-7

Tot Ion: 91 Resp: 386466
Ion Ratio Lower Upper
91 100
92 83.0 27.0 80.8#
134 0.0 13.0 39.0#

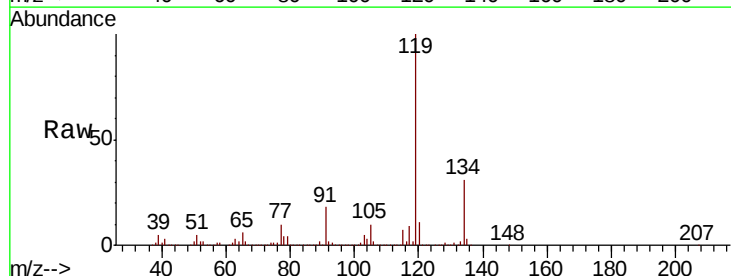


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

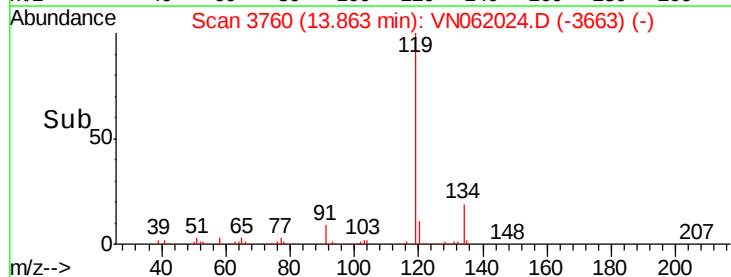
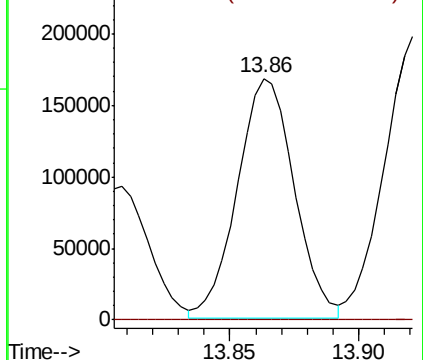


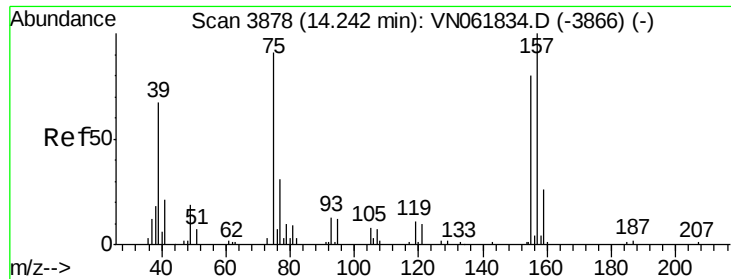
#90
Hexachloroethane
Concen: 127.578 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN062024.D
Acq: 23 Jun 2020 2:21

Tgt Ion: 117 Resp: 257063
Ion Ratio Lower Upper
117 100
201 0.0 34.6 103.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 28.890 ug/l

RT: 14.22 min Scan# 3872

Delta R.T. -0.02 min

Lab File: VN062024.D

Acq: 23 Jun 2020 2:21

Instrument :

MSVOA_N

ClientSampleId :

TW-7

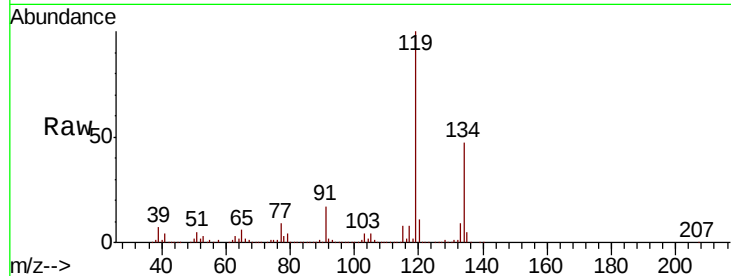
Tot Ion: 75 Resp: 20519

Ion Ratio Lower Upper

75 100

155 0.0 44.4 133.2#

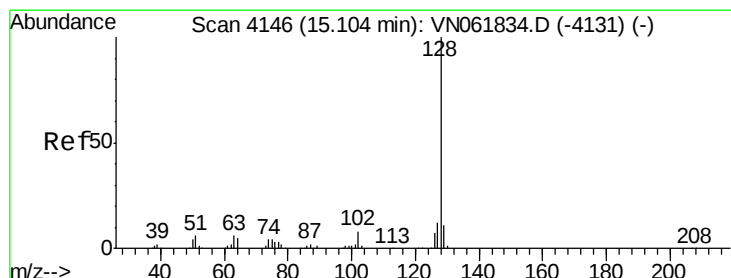
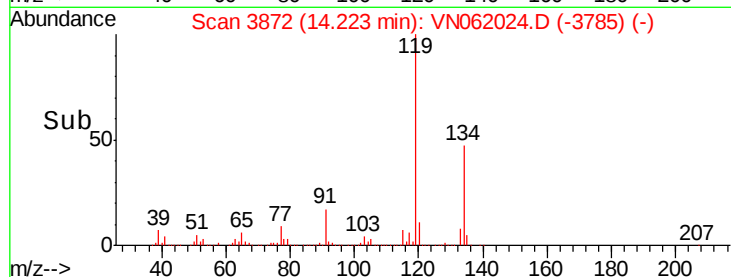
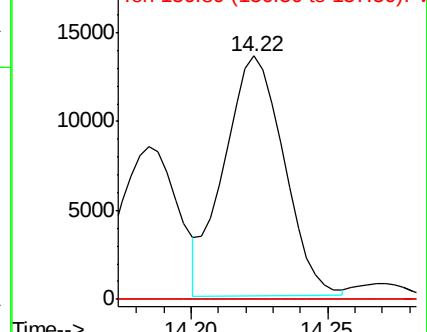
157 0.0 57.0 171.2#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3866) (-)

Ion 154.80 (154.50 to 155.50): VN061834.D (-3866) (-)

Ion 156.80 (156.50 to 157.50): VN061834.D (-3866) (-)



#95

Naphthalene

Concen: 522.275 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062024.D

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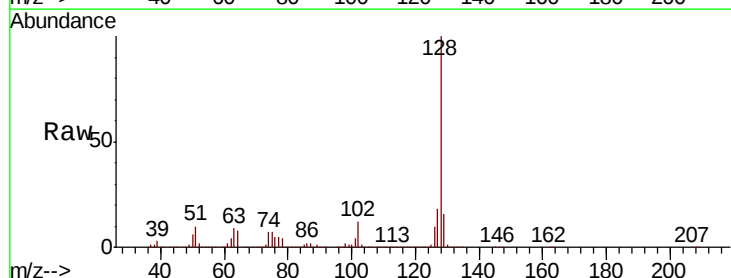
Tgt Ion:128 Resp: 5252520

Ion Ratio Lower Upper

128 100

127 15.6 10.3 15.5#

129 13.3 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN061834.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN061834.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN061834.D (-4131) (-)

