

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062074.D
 Acq On : 24 Jun 2020 19:49
 Operator : JC/MD
 Sample : L3063-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Quant Time: Jun 25 04:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	232121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	435992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	150641	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
35) Dibromofluoromethane	7.55	113	127672	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
50) Toluene-d8	10.06	98	568525	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.37	95	211383	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	774	Below Cal		100
6) Chloroethane	2.90	64	3732	1.322	ug/l #	48
11) Tert butyl alcohol	4.72	59	247	0.528	ug/l #	72
13) Acrolein	3.76	56	79807	174.288	ug/l #	80
14) Allyl chloride	4.49	41	181367	49.980	ug/l #	52
15) Acrylonitrile	5.00	53	14833	11.638	ug/l #	56
16) Acetone	3.76	43	221200	215.786	ug/l #	58
17) Carbon Disulfide	4.01	76	43410	5.731	ug/l	96
18) Methyl Acetate	4.49	43	445684	172.114	ug/l #	46
19) Methyl tert-butyl Ether	4.99	73	5217	0.613	ug/l #	1
20) Methylene Chloride	4.47	84	3537	0.970	ug/l #	1
23) Vinyl Acetate	5.81	43	6517	0.966	ug/l #	68
25) 2-Butanone	6.78	43	43938	27.596	ug/l #	82
26) 2,2-Dichloropropane	6.57	77	1457	0.329	ug/l #	52
29) Tetrahydrofuran	7.17	42	1736	1.664	ug/l #	28
30) Chloroform	7.28	83	77883	14.388	ug/l #	17
31) Cyclohexane	7.60	56	198744	44.161	ug/l #	72
36) 1,1-Dichloropropene	7.63	75	19245	4.391	ug/l #	48
37) Ethyl Acetate	6.78	43	43938	12.108	ug/l #	66
38) Carbon Tetrachloride	7.63	117	23354	5.653	ug/l #	14
39) Methylcyclohexane	9.05	83	374744	78.044	ug/l	98
40) Benzene	8.00	78	6688	0.501	ug/l	97
41) Methacrylonitrile	7.17	41	13618	8.095	ug/l #	32
43) Isopropyl Acetate	8.11	43	61498	10.396	ug/l #	59
46) Dibromomethane	9.12	93	1561	0.699	ug/l #	1
47) Bromodichloromethane	9.36	83	88866	19.699	ug/l #	26
48) Methyl methacrylate	9.19	41	17621	6.643	ug/l #	20
51) 4-Methyl-2-Pentanone	9.95	43	19779	5.723	ug/l	91
52) Toluene	10.13	92	17791	2.183	ug/l	96
55) 1,1,2-Trichloroethane	10.50	97	59218	18.484	ug/l #	20
56) Ethyl methacrylate	10.40	69	3814	0.892	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.62	63	555	16.388	ug/l #	46
59) 2-Hexanone	10.72	43	28325	11.349	ug/l	75
61) 1,2-Dibromoethane	10.95	107	883	0.268	ug/l #	1

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

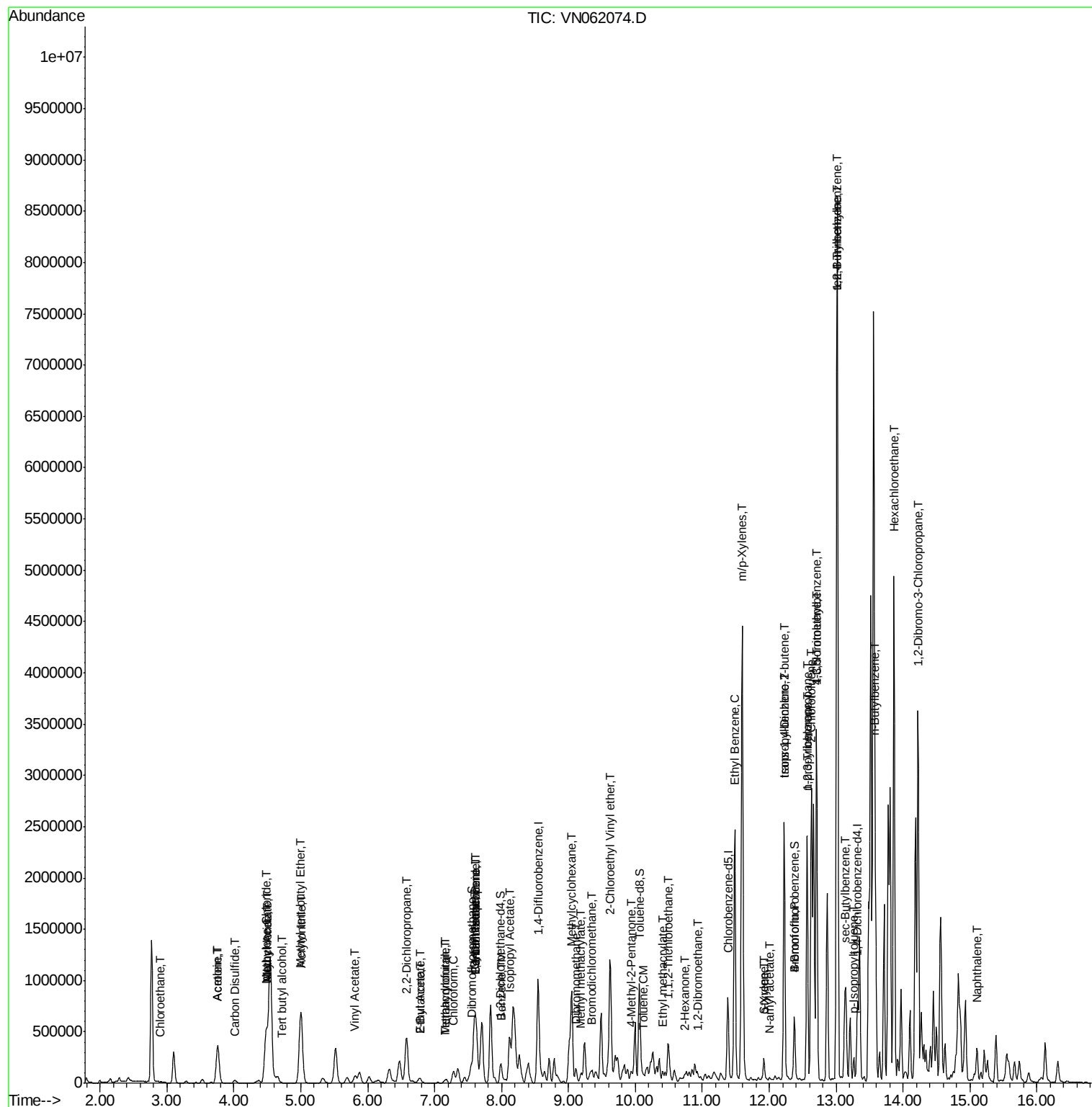
67) Ethyl Benzene	11.48	91	1756254	110.834	ug/l	100
68) m/p-Xylenes	11.60	106	1507317	245.937	ug/l	99
69) o-Xylene	11.92	106	56925	9.844	ug/l	99
70) Styrene	11.92	104	3234	0.335	ug/l #	1
71) Bromoform	12.37	173	1225	0.531	ug/l #	1
73) Isopropylbenzene	12.22	105	1701573	110.840	ug/l	100
74) N-amyl acetate	12.00	43	9305	4.880	ug/l #	48
76) 1,2,3-Trichloropropane	12.56	75	11613	2.487	ug/l #	100
78) n-propylbenzene	12.57	91	1937615	110.342	ug/l	100
79) 2-Chlorotoluene	12.63	91	234379	22.078	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.71	105	1842089	148.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.22	75	19430	12.154	ug/l #	64
82) 4-Chlorotoluene	12.71	91	190146	17.321	ug/l #	41
83) tert-Butylbenzene	13.01	119	630761	59.224	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.01	105	4515254	363.278	ug/l	91
85) sec-Butylbenzene	13.15	105	518791	36.864	ug/l #	56
86) p-Isopropyltoluene	13.26	119	129067	10.468	ug/l	99
89) n-Butylbenzene	13.59	91	830777	81.046	ug/l #	74
90) Hexachloroethane	13.86	117	252195	104.252	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.22	75	15654	19.128	ug/l #	3
95) Naphthalene	15.10	128	268308	30.111	ug/l	100

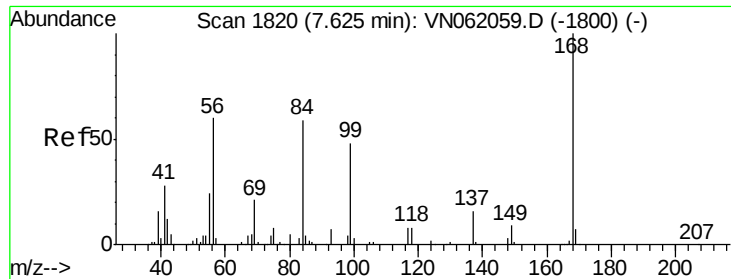
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

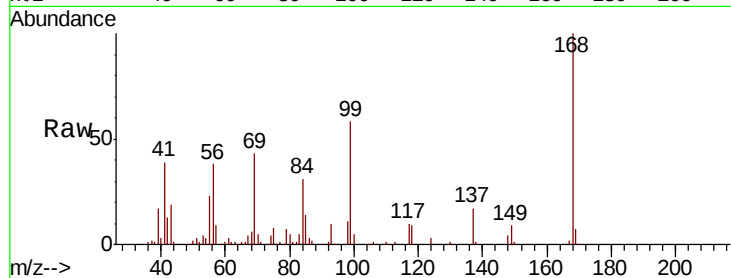
TW-1

Tot Ion:168 Resp: 232121

Ion Ratio Lower Upper

168 100

99 58.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

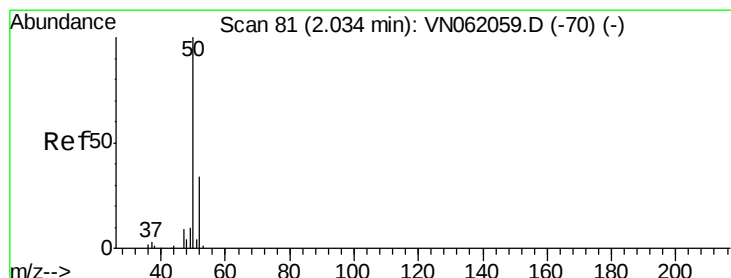
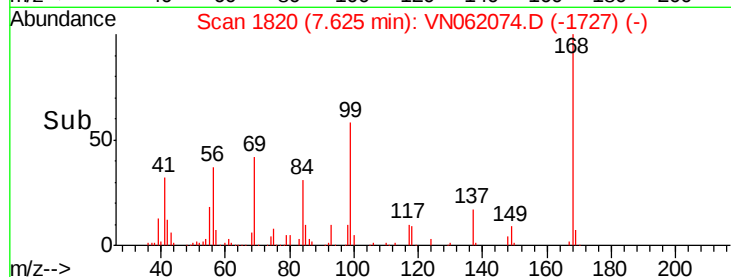
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062074.D

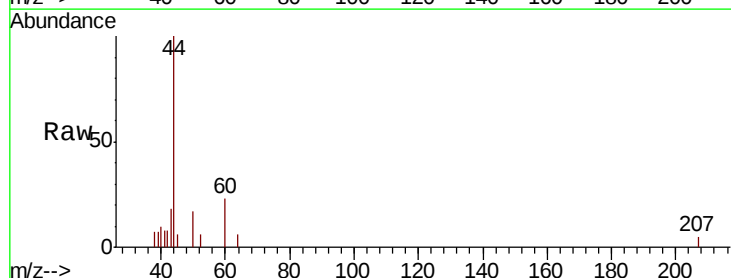
Acq: 24 Jun 2020 19:49

Tgt Ion: 50 Resp: 774

Ion Ratio Lower Upper

50 100

52 33.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

600

500

400

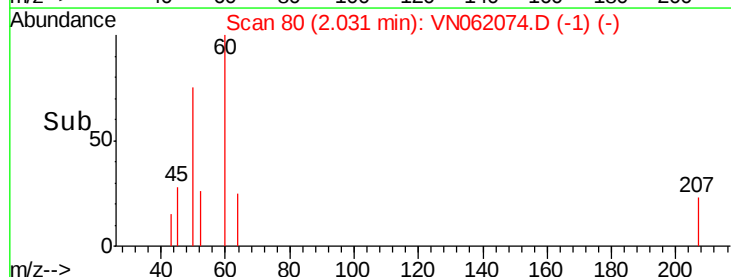
300

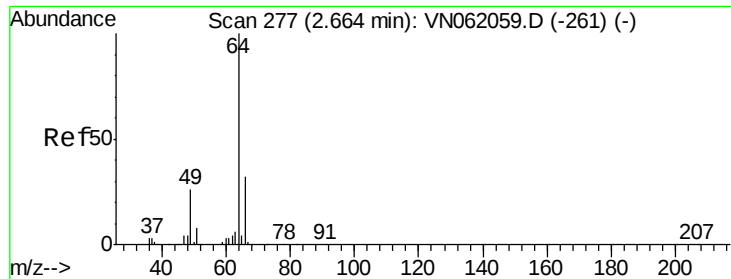
200

100

0

Time--> 2.00 2.02 2.04 2.06





#6

Chloroethane

Concen: 1.322 ug/l

RT: 2.90 min Scan# 349

Delta R.T. 0.23 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

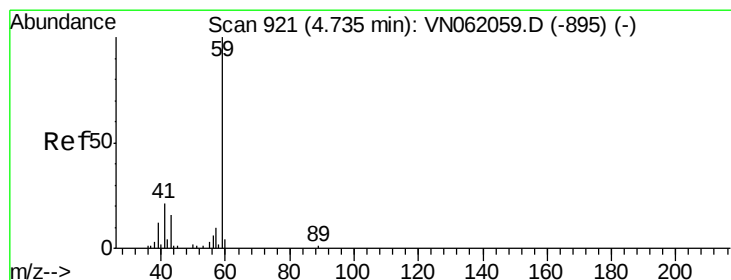
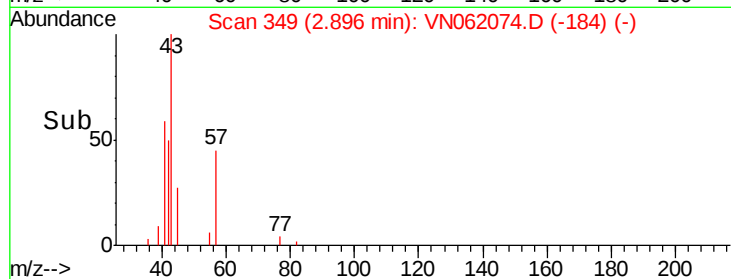
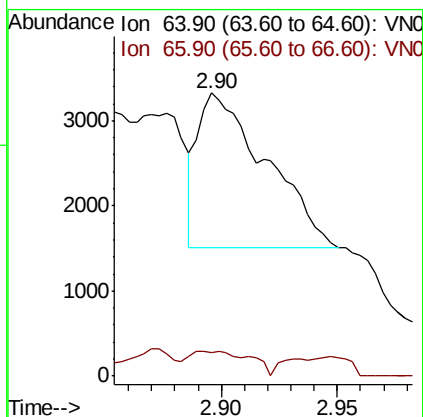
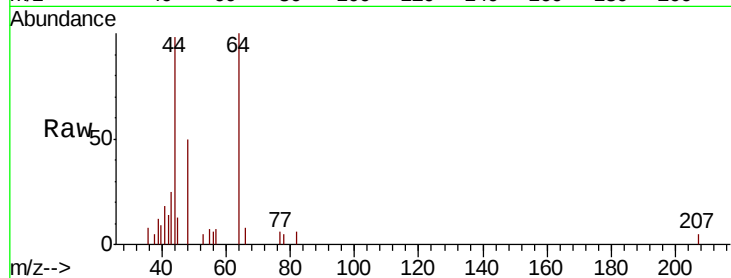
TW-1

Tot Ion: 64 Resp: 3732

Ion Ratio Lower Upper

64 100

66 3.2 25.8 38.6#



#11

Tert butyl alcohol

Concen: 0.528 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.01 min

Lab File: VN062074.D

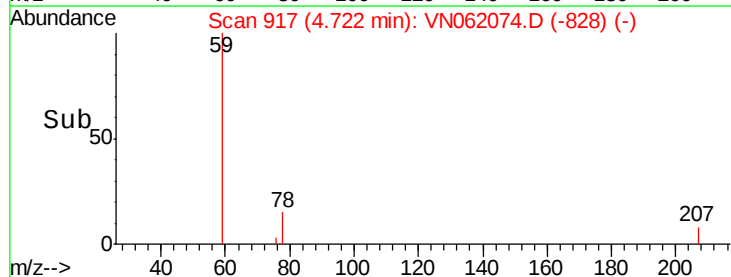
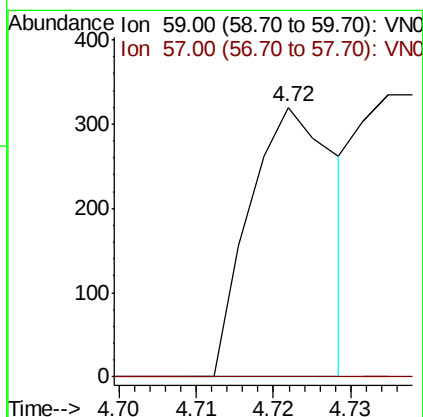
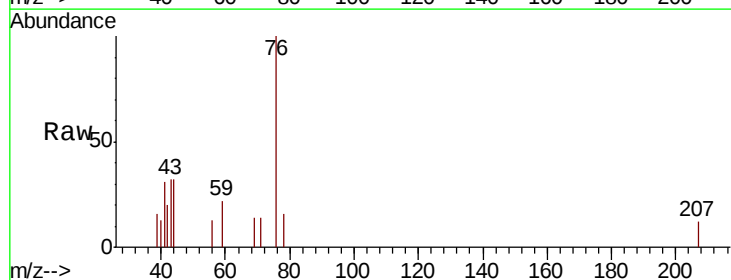
Acq: 24 Jun 2020 19:49

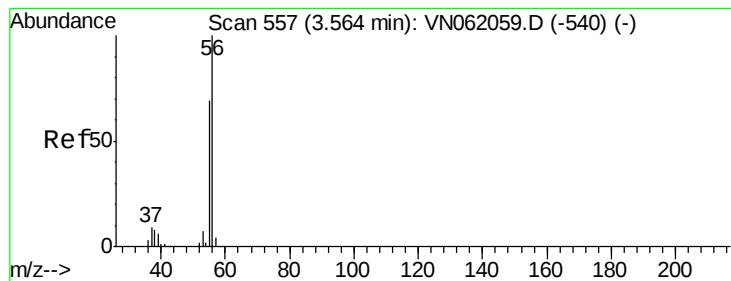
Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 174.288 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.20 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampleId :

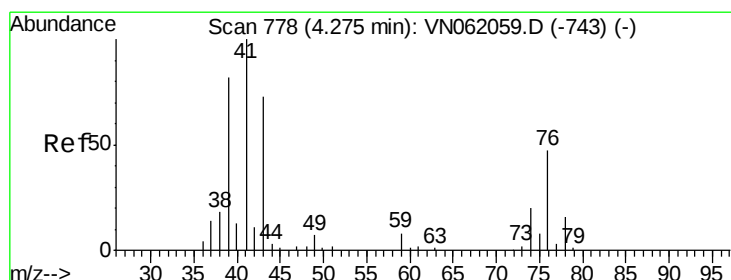
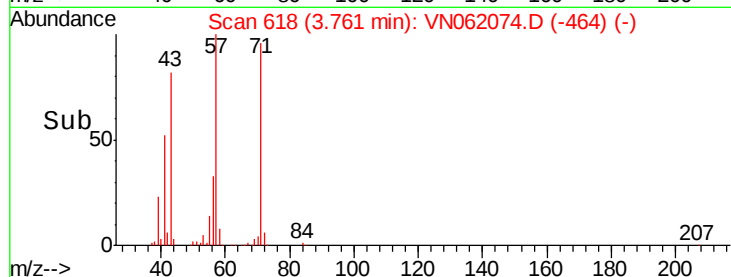
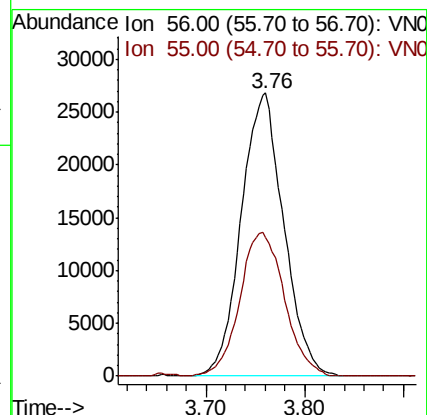
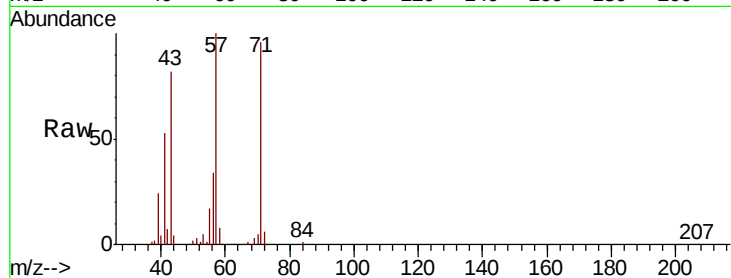
TW-1

Tot Ion: 56 Resp: 79807

Ion Ratio Lower Upper

56 100

55 53.3 55.5 83.3#



#14

Allyl chloride

Concen: 49.980 ug/l

RT: 4.49 min Scan# 844

Delta R.T. 0.21 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

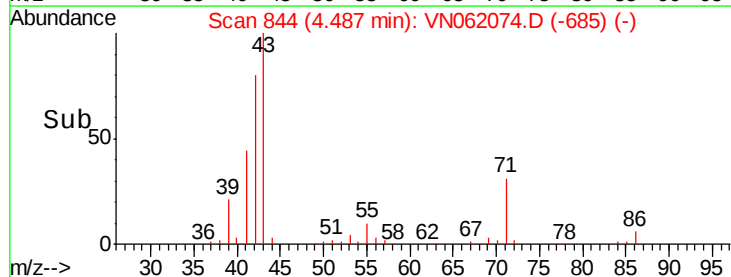
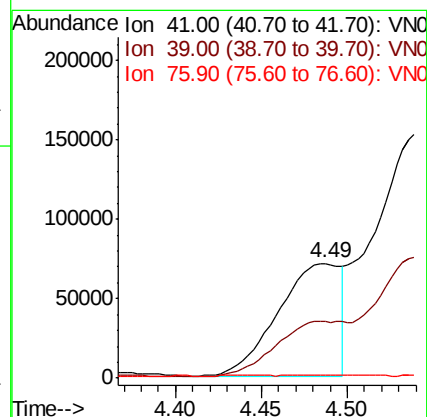
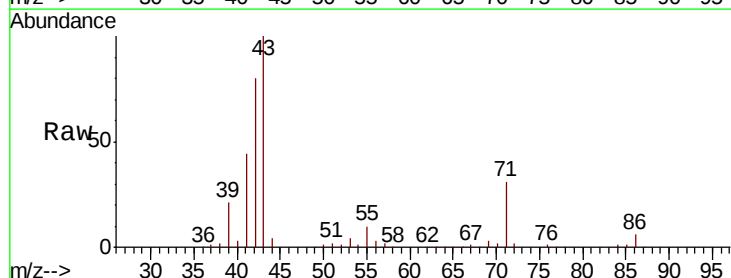
Tgt Ion: 41 Resp: 181367

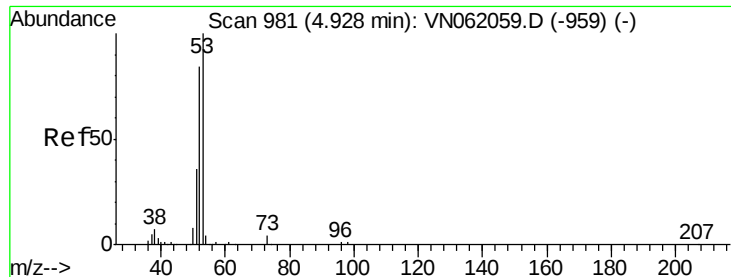
Ion Ratio Lower Upper

41 100

39 42.7 60.0 90.0#

76 0.0 34.1 51.1#

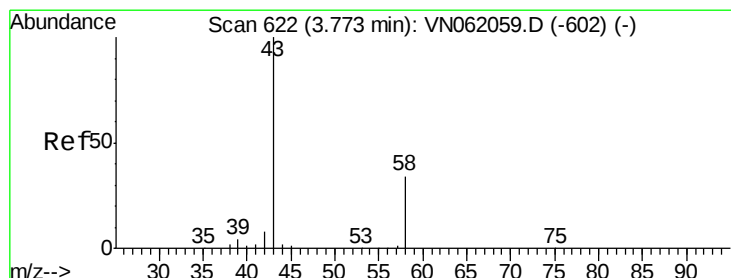
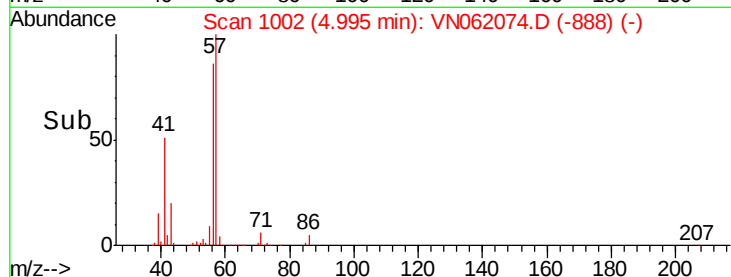
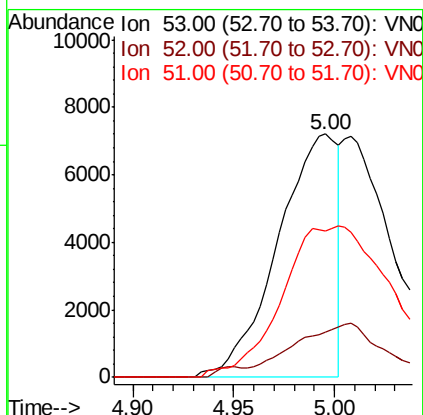
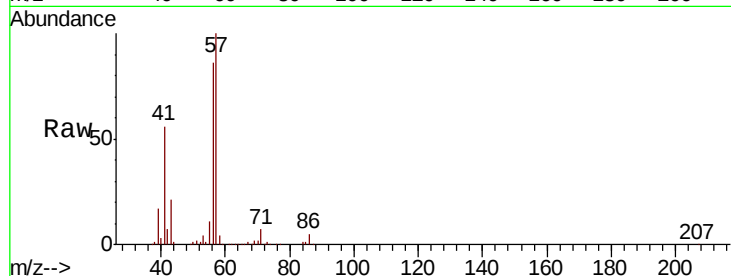




#15
 Acrylonitrile
 Concen: 11.638 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.07 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

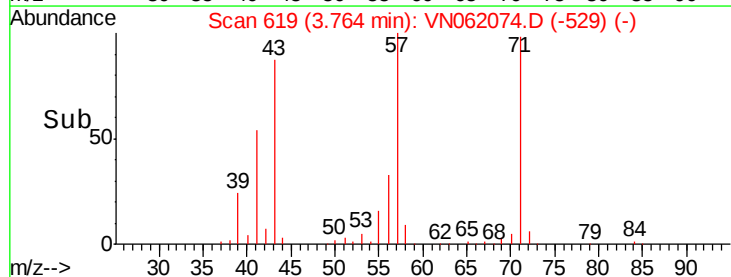
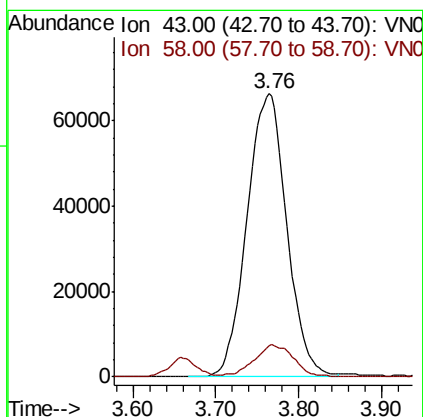
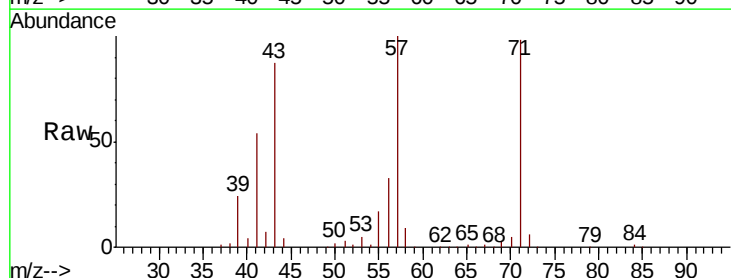
Instrument :
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 ClientSampled :
 TW-1

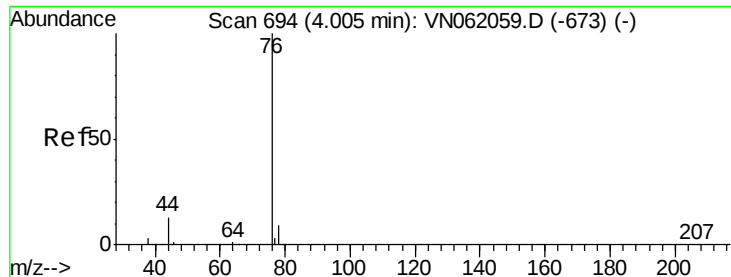
Tot Ion: 53 Resp: 14833
 Ion Ratio Lower Upper
 53 100
 52 33.9 66.2 99.4#
 51 47.7 28.9 43.3#



#16
 Acetone
 Concen: 215.786 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion: 43 Resp: 221200
 Ion Ratio Lower Upper
 43 100
 58 10.5 27.5 41.3#





#17

Carbon Disulfide

Concen: 5.731 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

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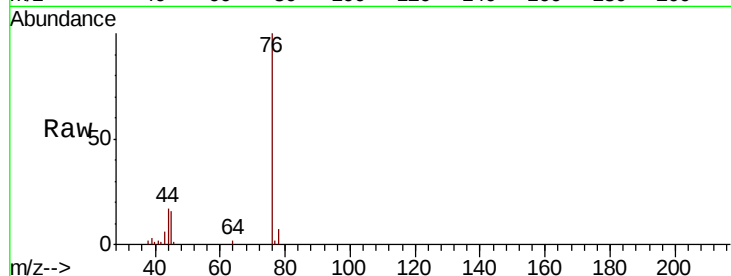
TW-1

Tot Ion: 76 Resp: 43410

Ion Ratio Lower Upper

76 100

78 7.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN062059.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062059.D (-673) (-)

4.01

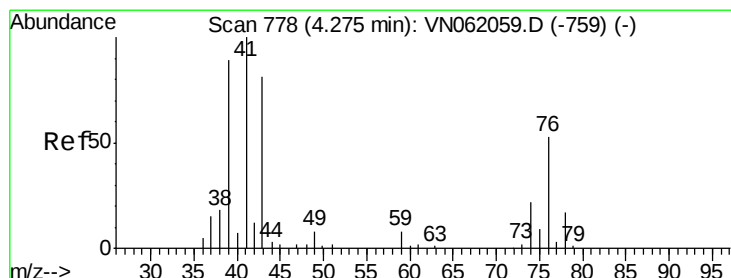
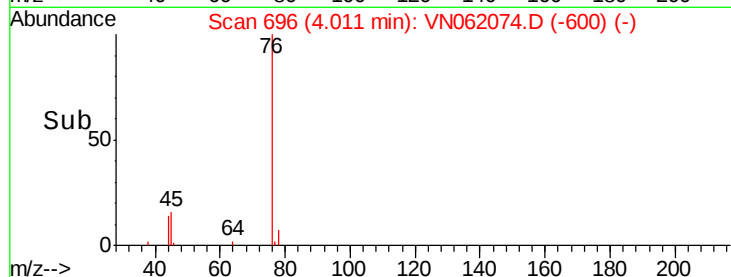
15000

10000

5000

0

Time--> 3.90 3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 172.114 ug/l

RT: 4.49 min Scan# 844

Delta R.T. 0.21 min

Lab File: VN062074.D

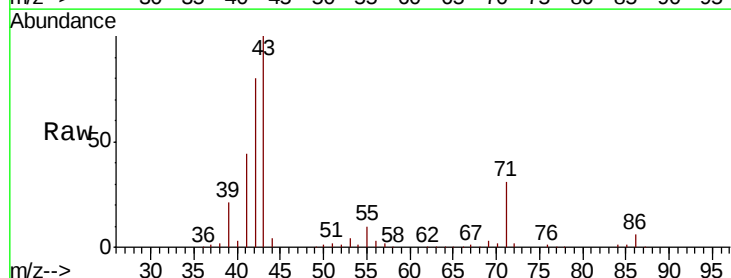
Acq: 24 Jun 2020 19:49

Tgt Ion: 43 Resp: 445684

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062074.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062074.D (-685) (-)

400000

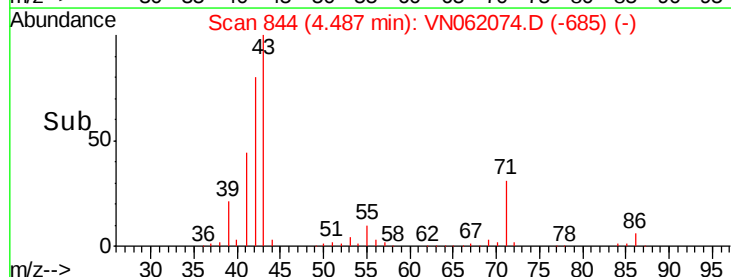
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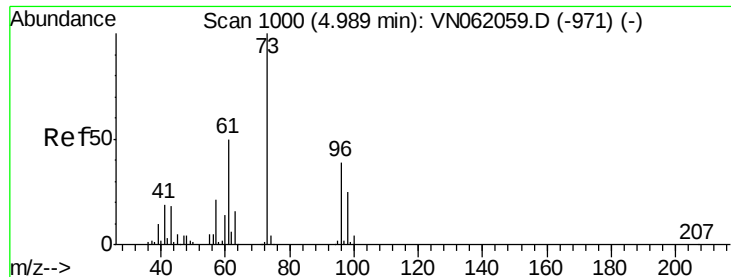
200000

100000

0

Time--> 4.35 4.40 4.45 4.50





#19

Methyl tert-butyl Ether

Concen: 0.613 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

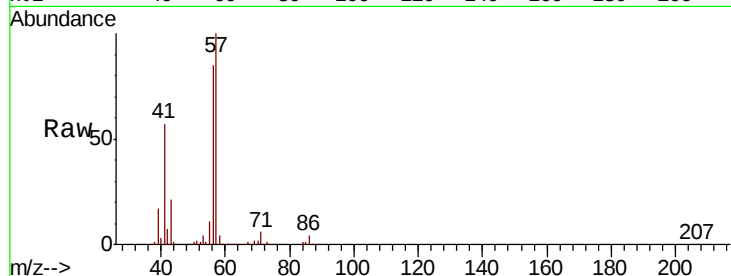
TW-1

Tot Ion: 73 Resp: 5217

Ion Ratio Lower Upper

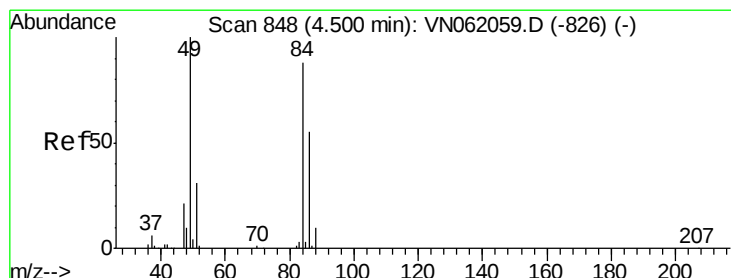
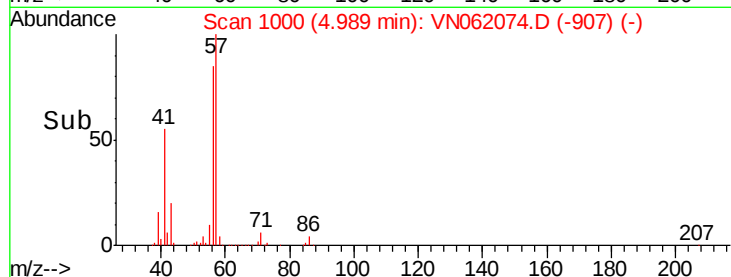
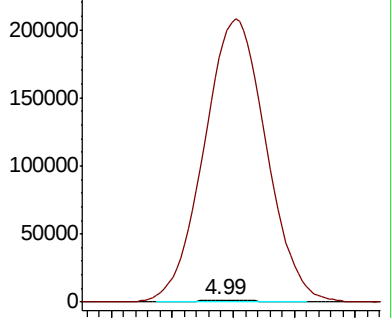
73 100

57 12440.2 16.6 24.8#



Abundance Ion 73.00 (72.70 to 73.70): VN062059.D (-971) (-)

Ion 57.00 (56.70 to 57.70): VN062059.D (-971) (-)



#20

Methylene Chloride

Concen: 0.970 ug/l

RT: 4.47 min Scan# 840

Delta R.T. -0.03 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Tgt Ion: 84 Resp: 3537

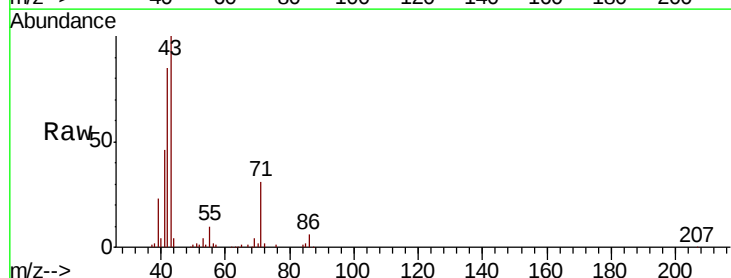
Ion Ratio Lower Upper

84 100

49 18.1 90.6 136.0#

51 205.5 27.8 41.8#

86 691.2 50.1 75.1#

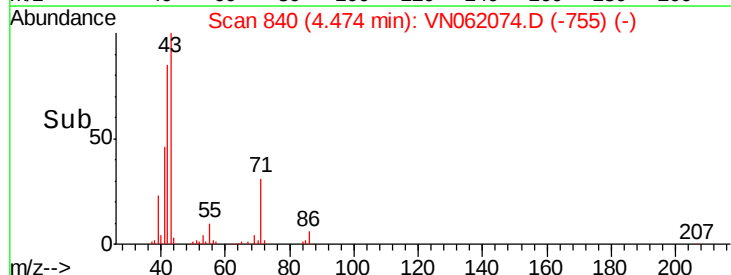
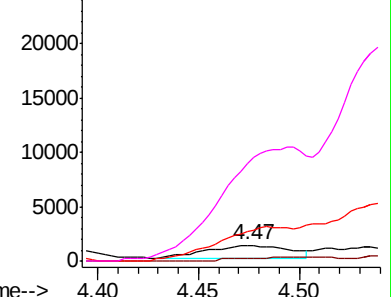


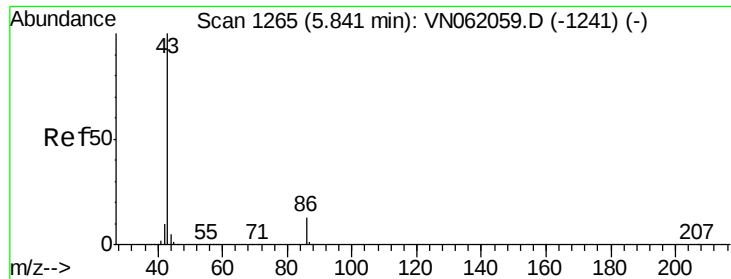
Abundance Ion 83.90 (83.60 to 84.60): VN062059.D (-826) (-)

Ion 48.90 (48.60 to 49.60): VN062059.D (-826) (-)

Ion 50.90 (50.60 to 51.60): VN062059.D (-826) (-)

Ion 85.90 (85.60 to 86.60): VN062059.D (-826) (-)

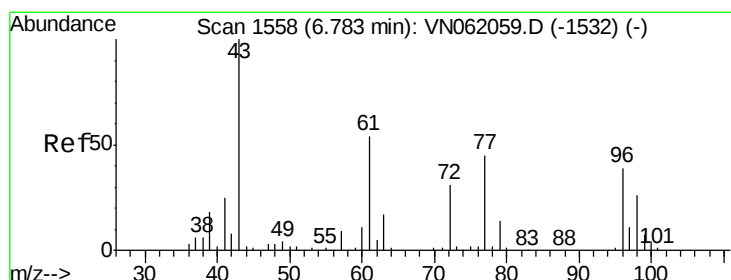
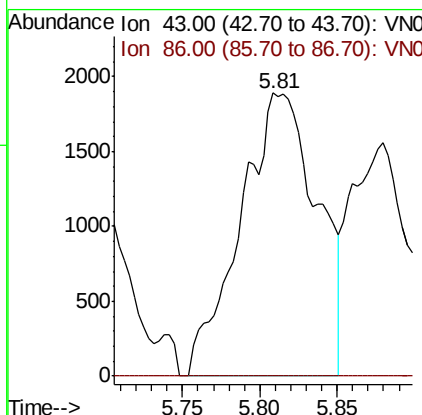
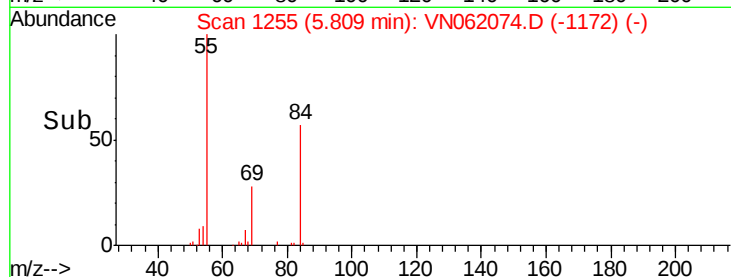
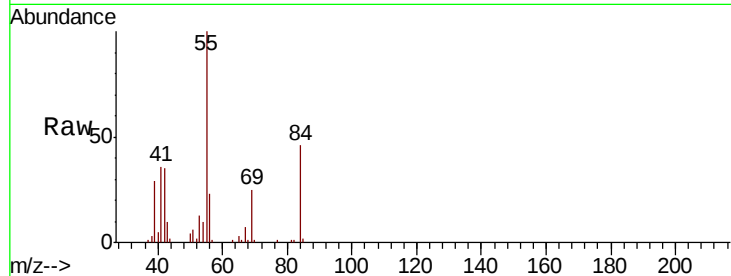




#23
 Vinyl Acetate
 Concen: 0.966 ug/l
 RT: 5.81 min Scan# 1255
 Delta R.T. -0.03 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

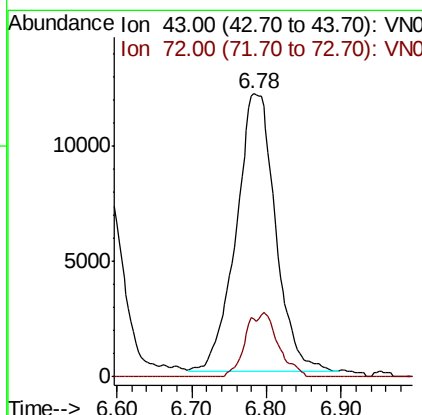
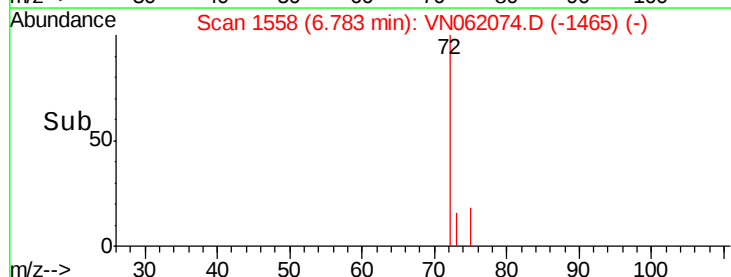
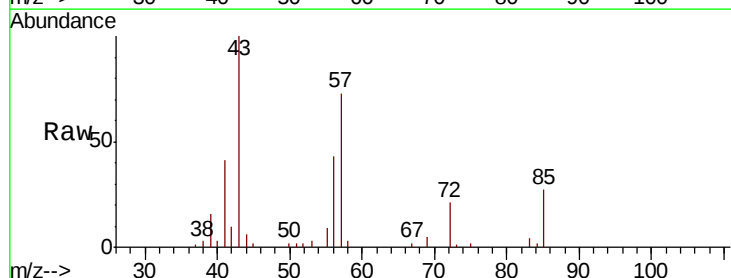
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

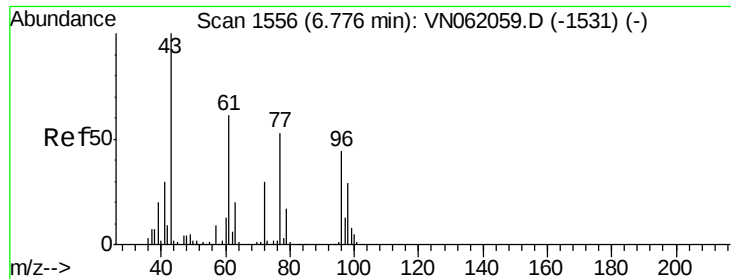
Tot Ion: 43 Resp: 6517
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.1 15.1#



#25
 2-Butanone
 Concen: 27.596 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion: 43 Resp: 43938
 Ion Ratio Lower Upper
 43 100
 72 20.9 24.8 37.2#





#26

2,2-Dichloropropane

Concen: 0.329 ug/l

RT: 6.57 min Scan# 1491

Delta R.T. -0.21 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

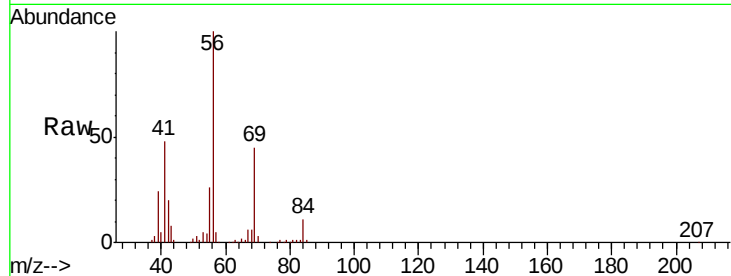
TW-1

Tot Ion: 77 Resp: 1457

Ion Ratio Lower Upper

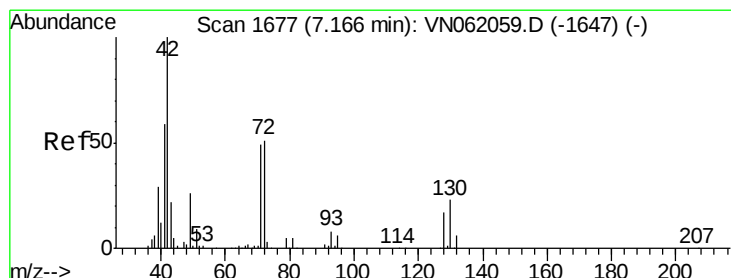
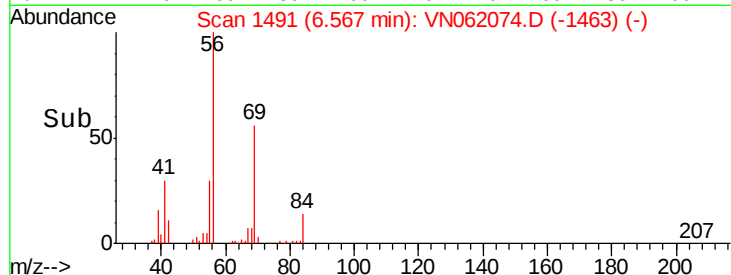
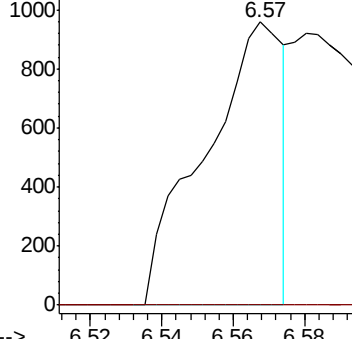
77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#29

Tetrahydrofuran

Concen: 1.664 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

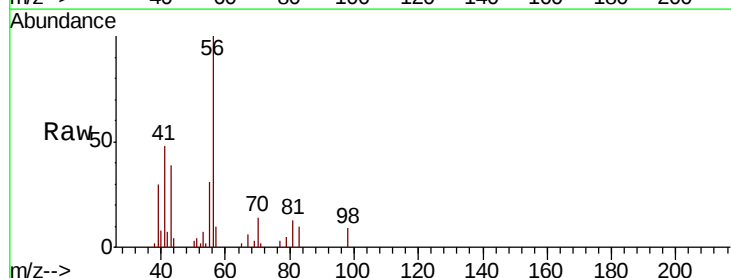
Tgt Ion: 42 Resp: 1736

Ion Ratio Lower Upper

42 100

72 0.0 41.1 61.7#

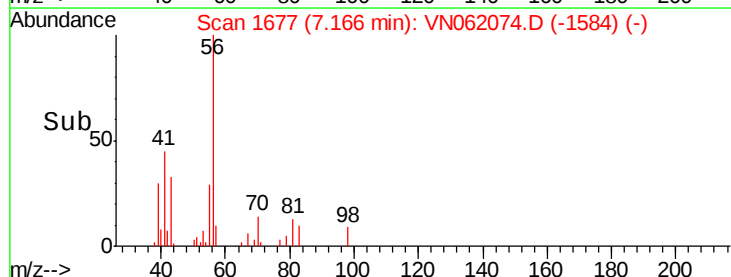
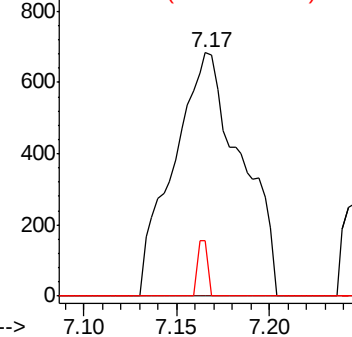
71 0.0 38.2 57.4#

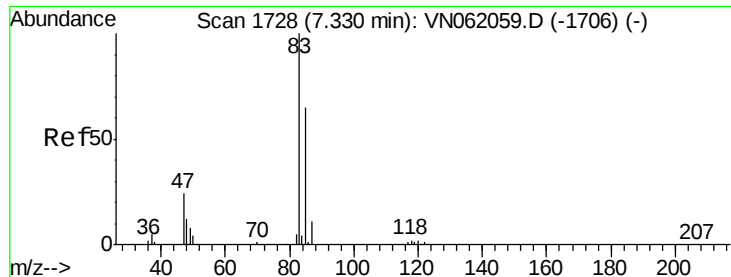


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

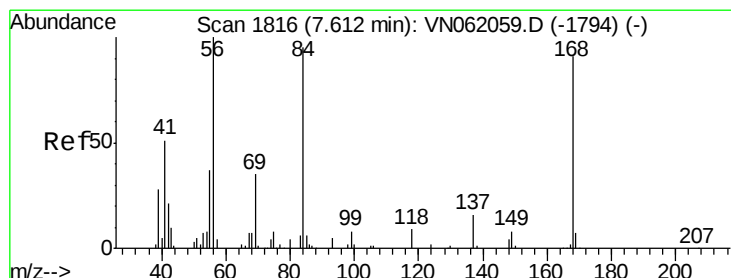
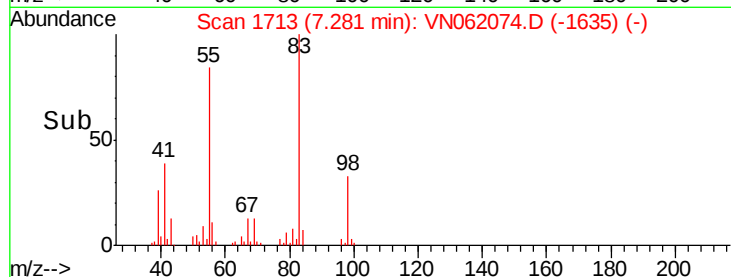
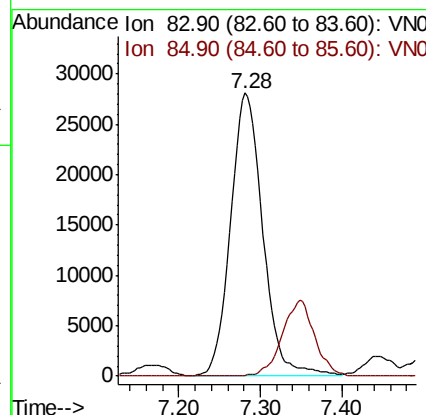
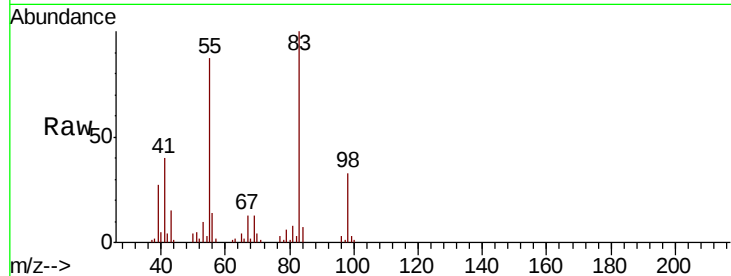




#30
Chloroform
Concen: 14.388 ug/l
RT: 7.28 min Scan# 1713
Delta R.T. -0.05 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

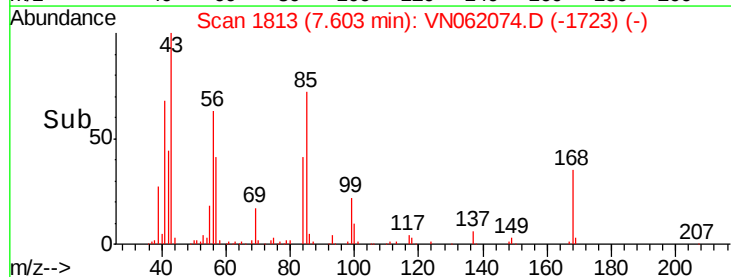
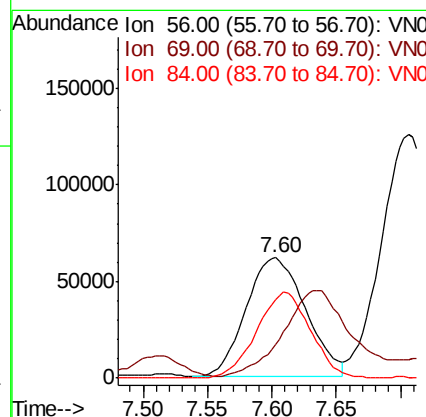
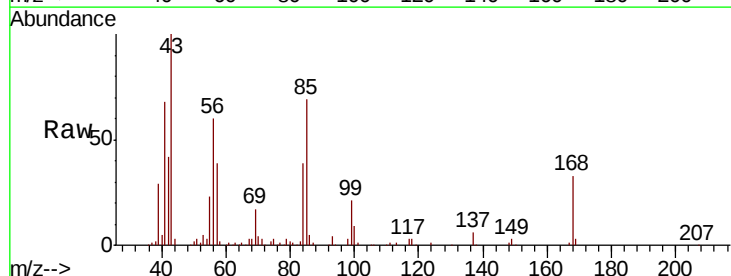
Instrument :
MSVOA_N
ClientSampled :
TW-1

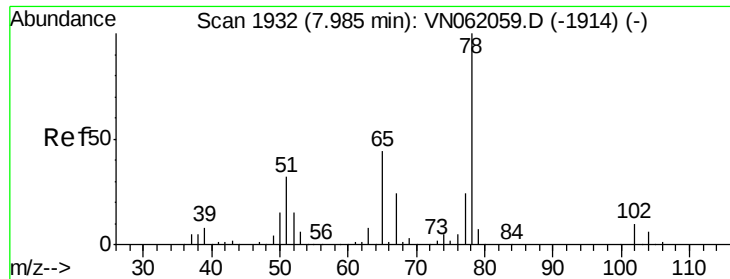
Tot Ion: 83 Resp: 77883
Ion Ratio Lower Upper
83 100
85 0.0 52.3 78.5#



#31
Cyclohexane
Concen: 44.161 ug/l
RT: 7.60 min Scan# 1813
Delta R.T. -0.01 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 56 Resp: 198744
Ion Ratio Lower Upper
56 100
69 21.7 28.0 42.0#
84 66.0 76.1 114.1#

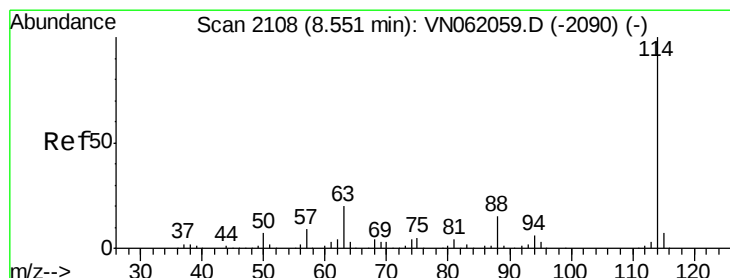
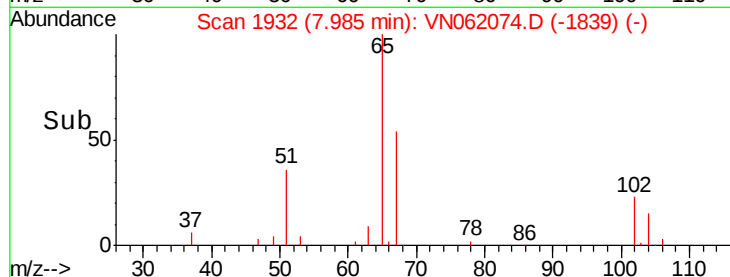
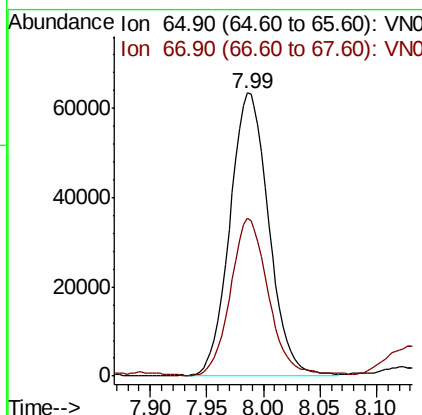
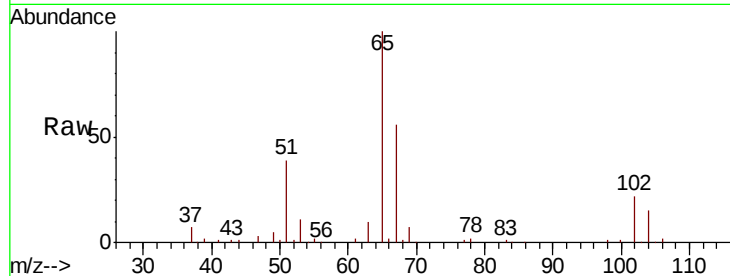




#33
 1,2-Dichloroethane-d4
 Concen: 46.245 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

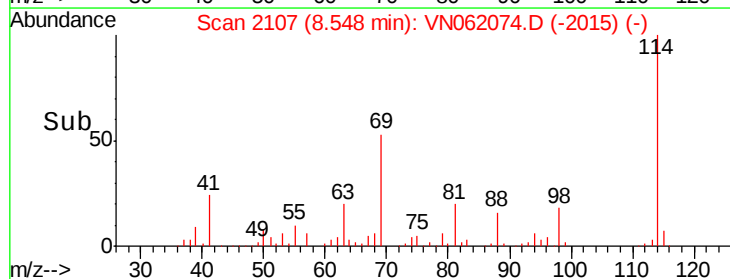
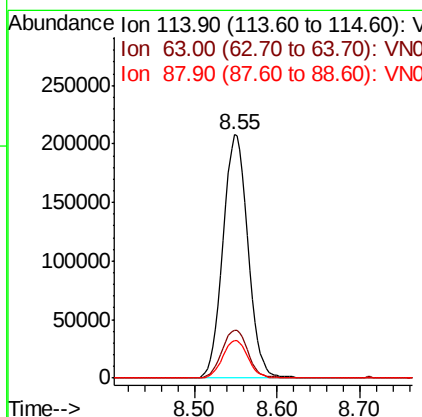
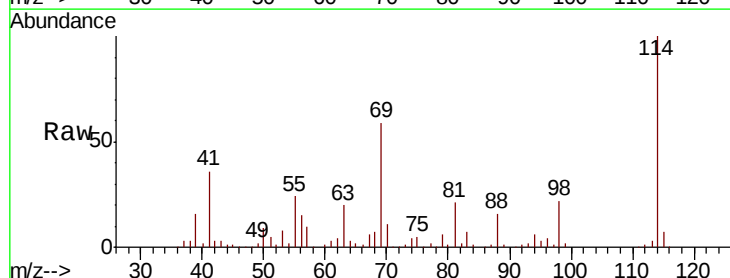
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

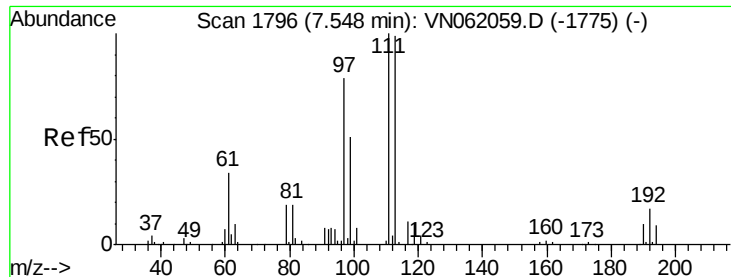
Tot Ion: 65 Resp: 150641
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion: 114 Resp: 435992
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 15.5 0.0 30.8

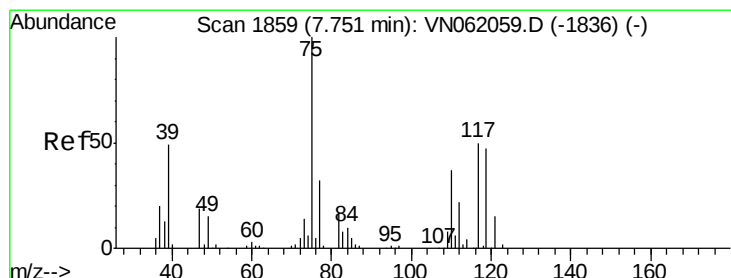
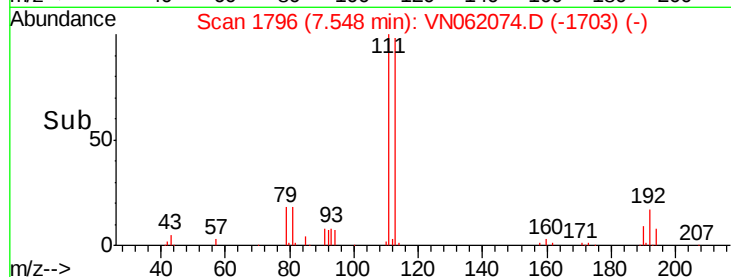
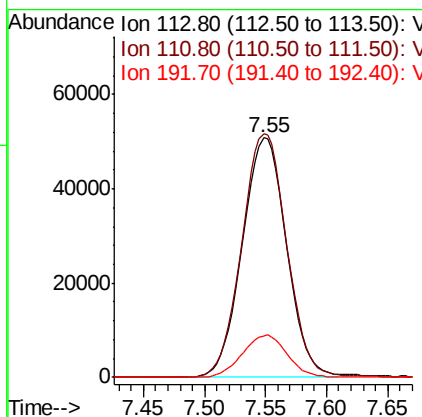
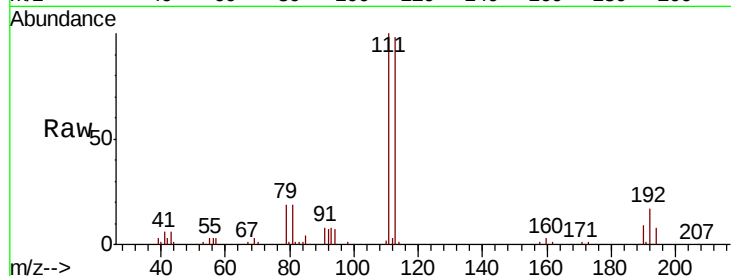




#35
 Dibromofluoromethane
 Concen: 45.644 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

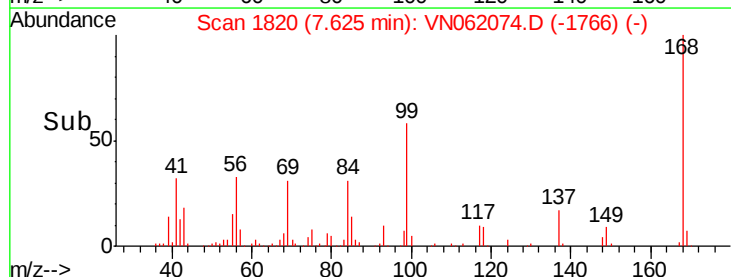
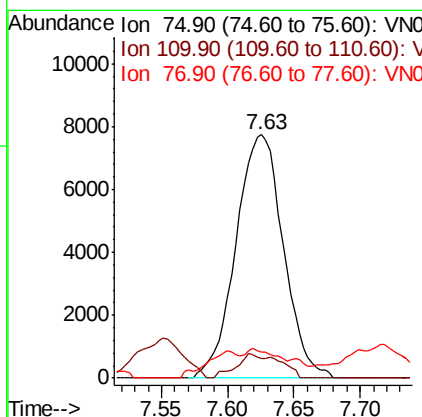
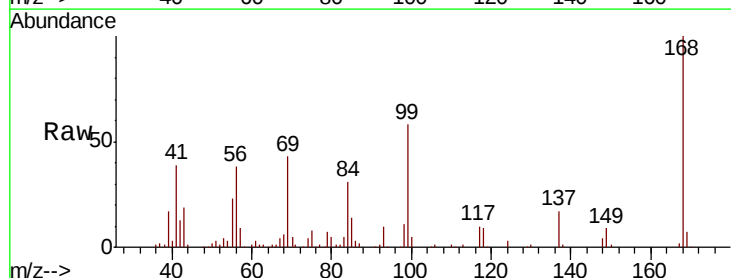
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

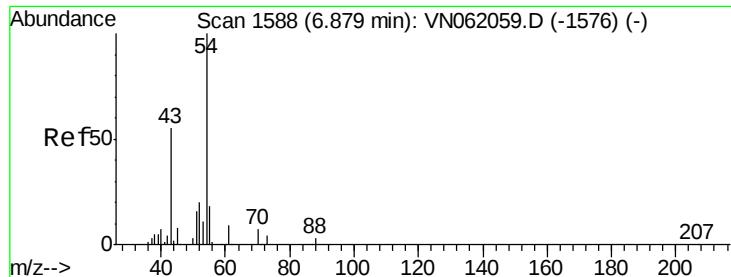
Tot Ion:113 Resp: 127672
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 17.6 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion: 75 Resp: 19245
 Ion Ratio Lower Upper
 75 100
 110 5.1 17.9 53.8#
 77 3.2 24.9 37.3#

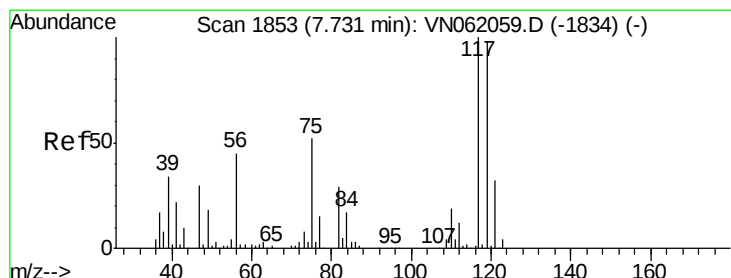
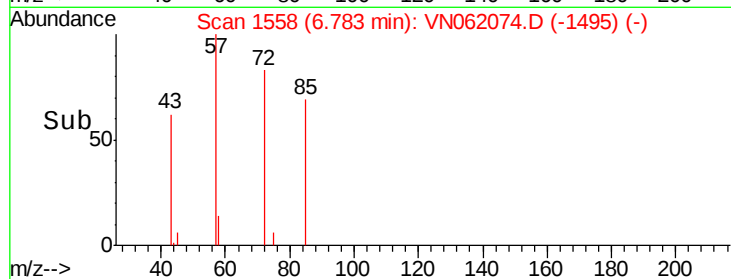
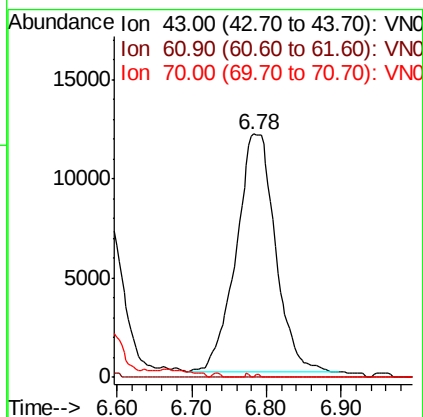
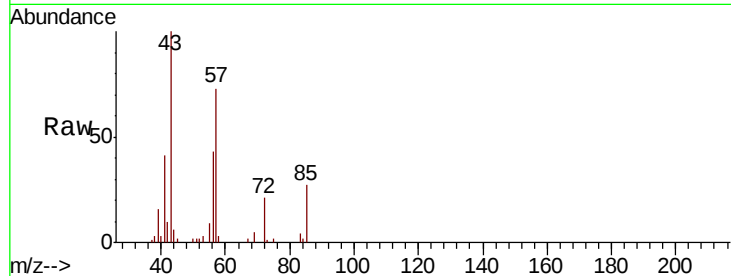




#37
Ethyl Acetate
Concen: 12.108 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

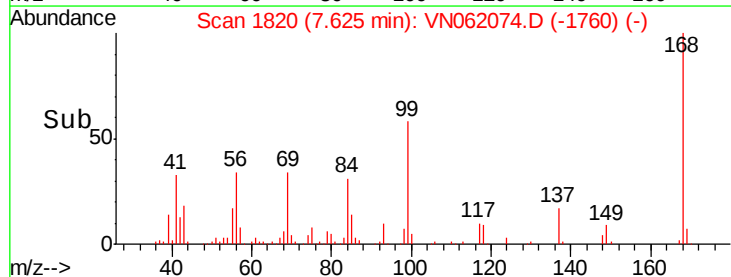
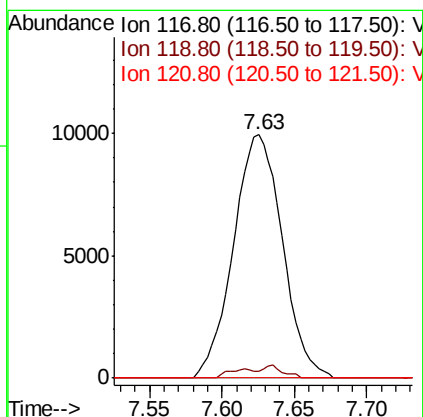
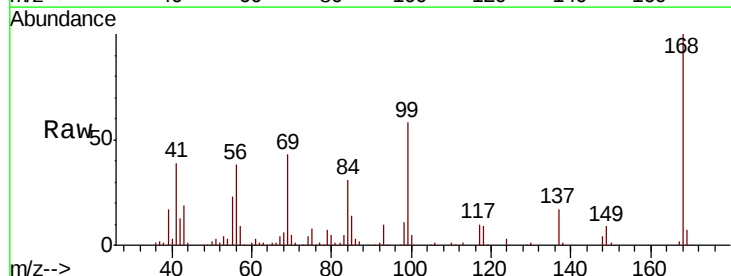
Instrument :
MSVOA_N
ClientSampled :
TW-1

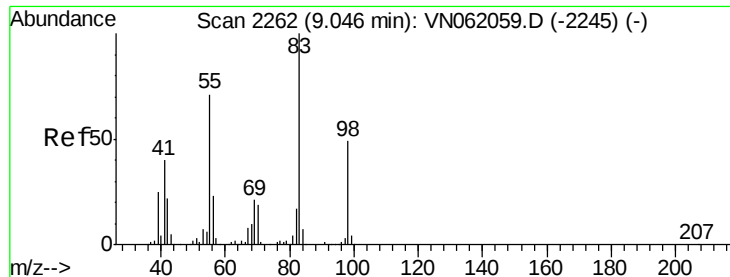
Tot Ion: 43 Resp: 43938
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 5.653 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 117 Resp: 23354
Ion Ratio Lower Upper
117 100
119 3.0 78.2 117.2#
121 0.0 25.8 38.6#

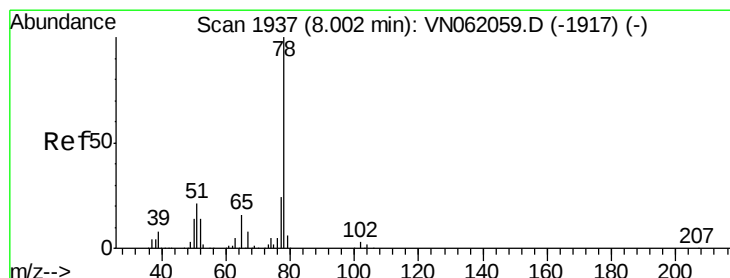
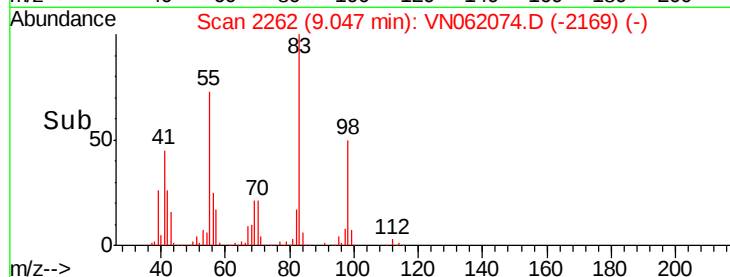
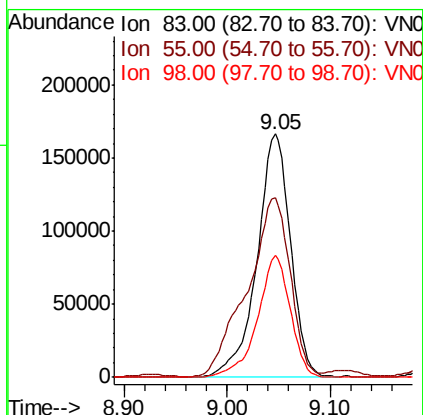
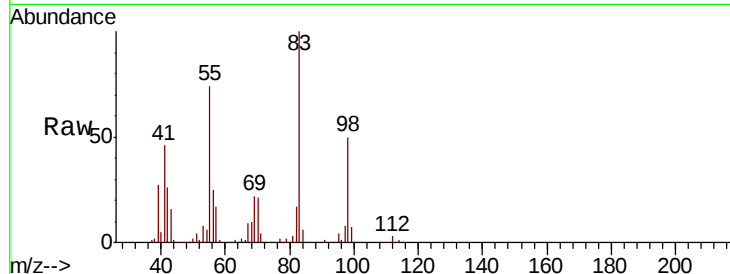




#39
Methvlcvclohexane
Concen: 78.044 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

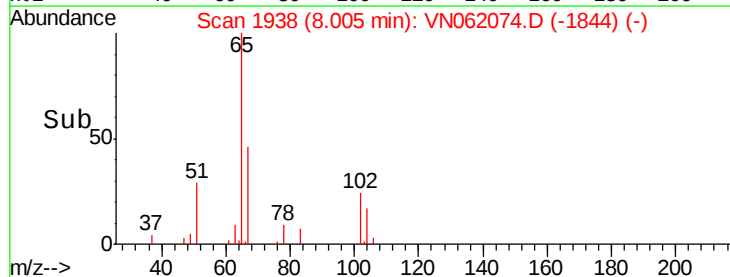
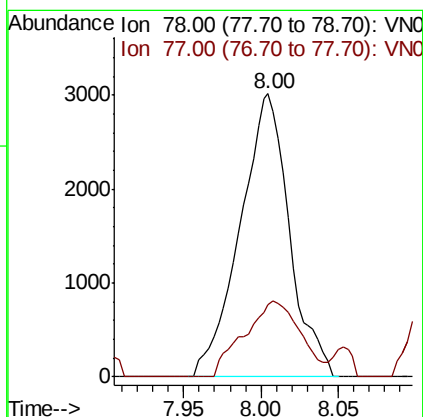
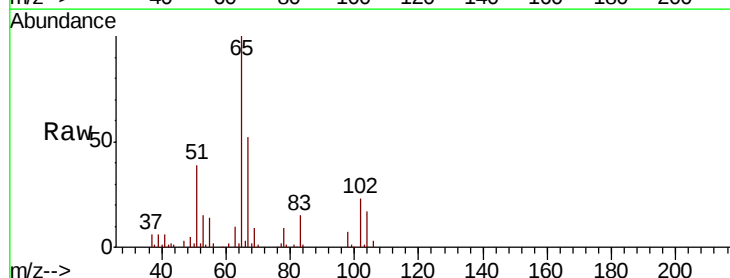
Instrument :
MSVOA_N
ClientSampled :
TW-1

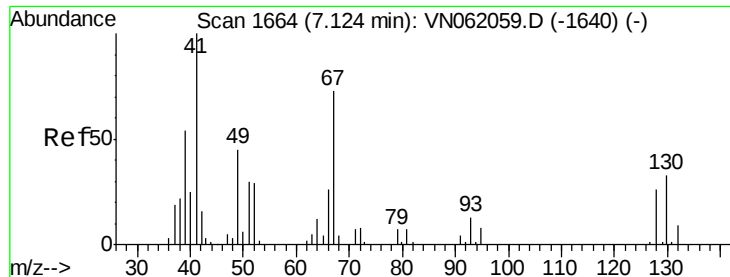
Tot Ion: 83 Resp: 374744
Ion Ratio Lower Upper
83 100
55 73.4 57.0 85.6
98 50.0 39.0 58.6



#40
Benzene
Concen: 0.501 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 78 Resp: 6688
Ion Ratio Lower Upper
78 100
77 25.7 19.5 29.3

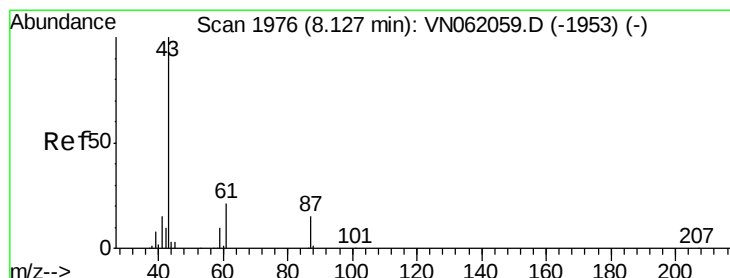
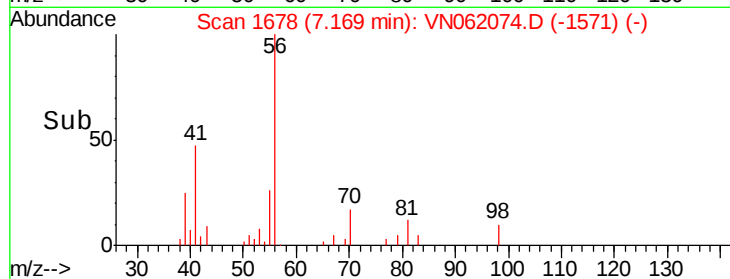
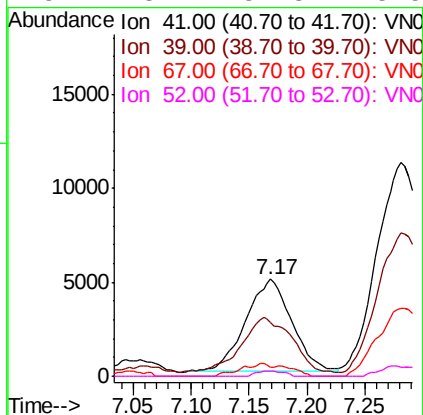
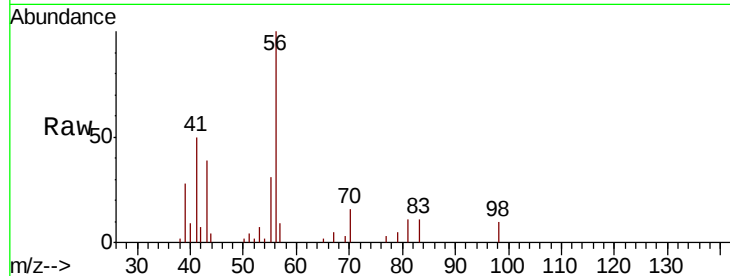




#41
Methacrylonitrile
Concen: 8.095 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.05 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

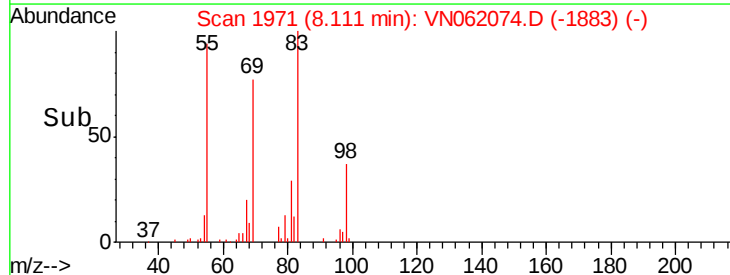
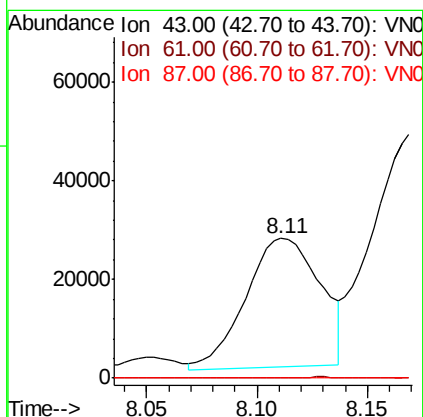
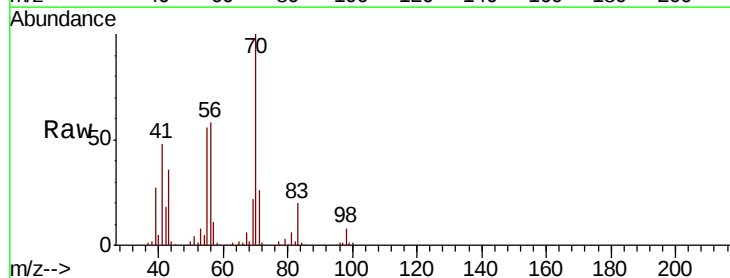
Instrument :
MSVOA_N
ClientSampled :
TW-1

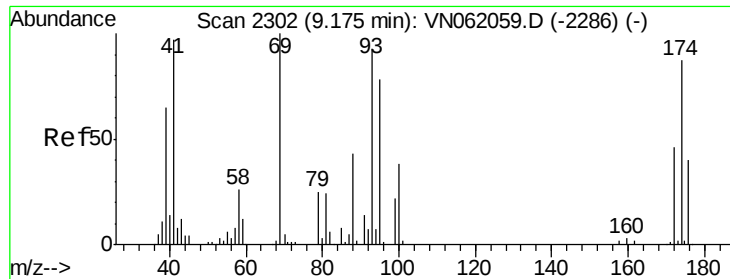
Tot Ion: 41 Resp: 13618
Ion Ratio Lower Upper
41 100
39 68.7 44.2 66.2#
67 0.0 79.5 119.3#
52 3.4 32.3 48.5#



#43
Isopropyl Acetate
Concen: 10.396 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.02 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 43 Resp: 61498
Ion Ratio Lower Upper
43 100
61 0.2 17.2 25.8#
87 0.0 12.1 18.1#





#46

Dibromomethane

Concen: 0.699 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.05 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampleId :

TW-1

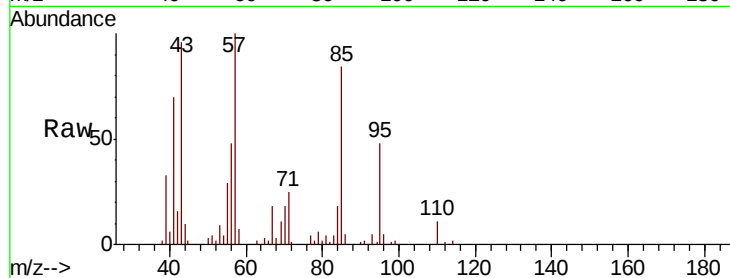
Tot Ion: 93 Resp: 1561

Ion Ratio Lower Upper

93 100

95 1084.1 67.0 100.6#

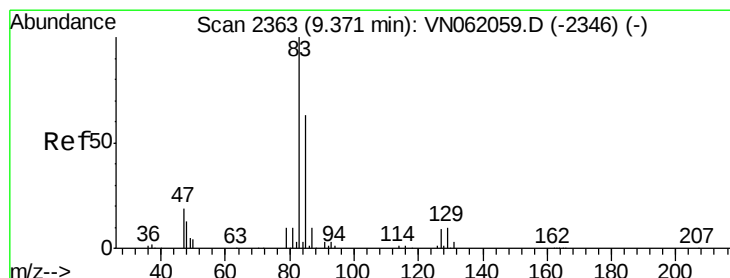
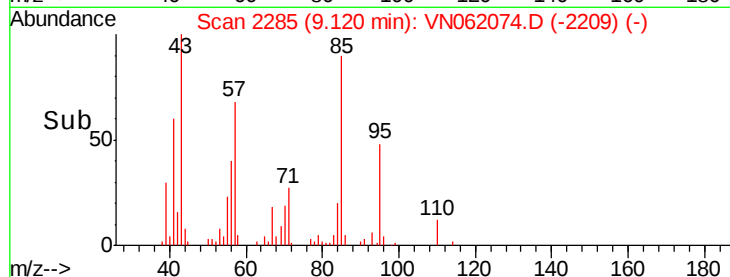
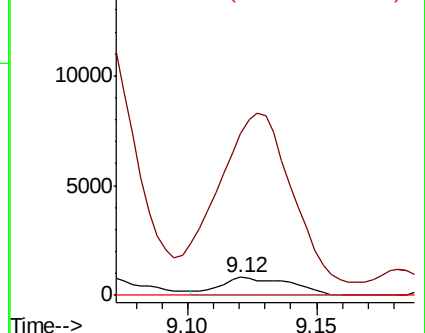
174 0.0 74.4 111.6#



Abundance Ion 92.80 (92.50 to 93.50): VN062059.D (-2286) (-)

Ion 94.80 (94.50 to 95.50): VN062059.D (-2286) (-)

Ion 173.70 (173.40 to 174.40): VN062059.D (-2286) (-)



#47

Bromodichloromethane

Concen: 19.699 ug/l

RT: 9.36 min Scan# 2358

Delta R.T. -0.02 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

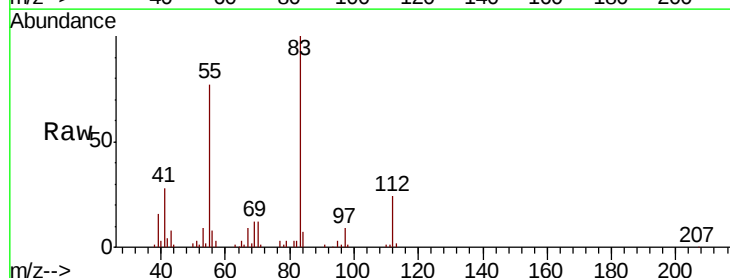
Tgt Ion: 83 Resp: 88866

Ion Ratio Lower Upper

83 100

85 0.0 50.3 75.5#

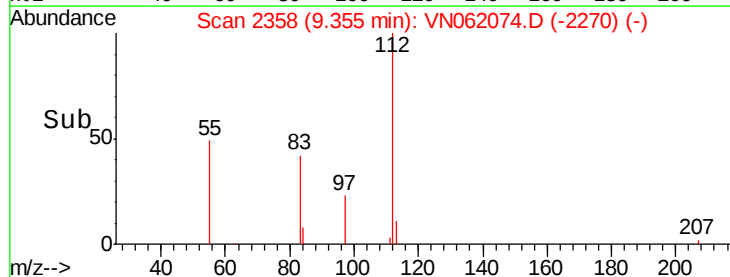
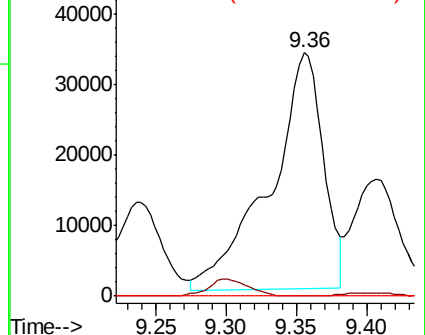
127 0.0 6.9 10.3#

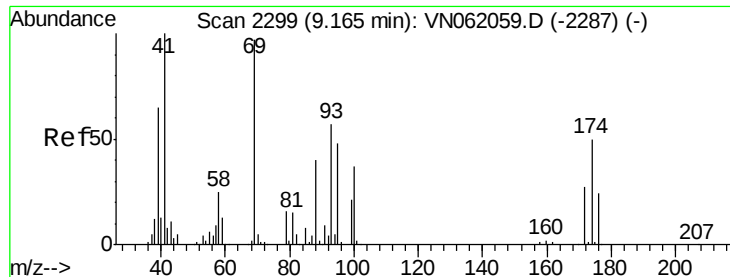


Abundance Ion 82.90 (82.60 to 83.60): VN062059.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN062059.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN062059.D (-2346) (-)

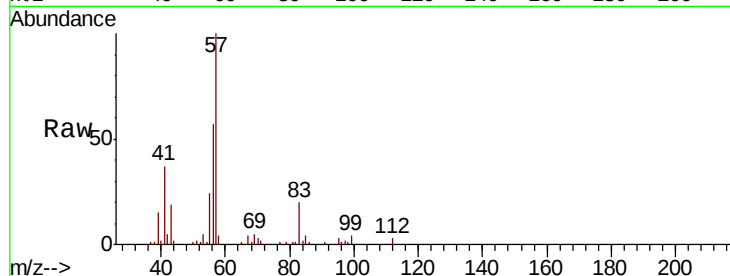




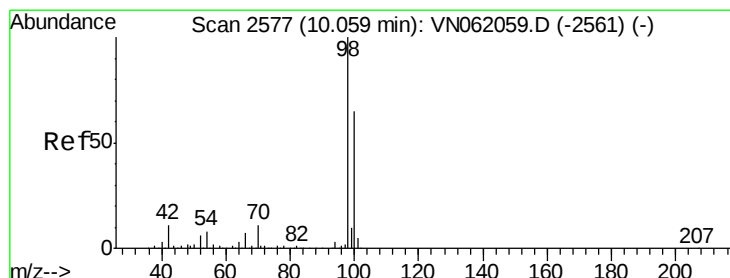
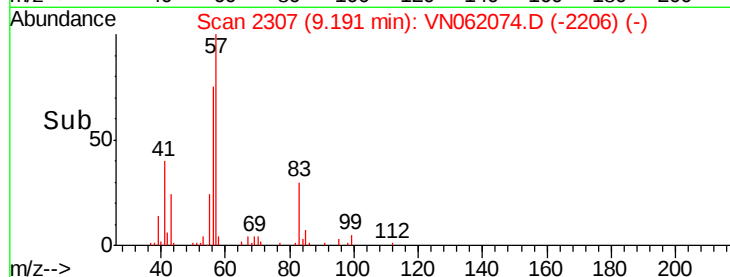
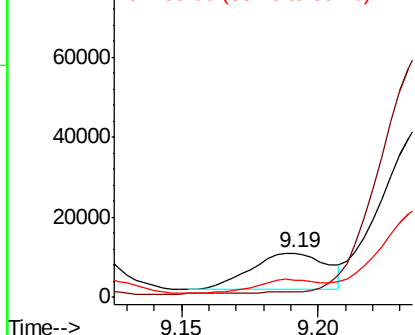
#48
Methvl methacrylate
Concen: 6.643 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.03 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Instrument :
MSVOA_N
ClientSampled :
TW-1

Tot Ion: 41 Resp: 17621
Ion Ratio Lower Upper
41 100
69 0.0 80.7 121.1#
39 28.2 54.5 81.7#

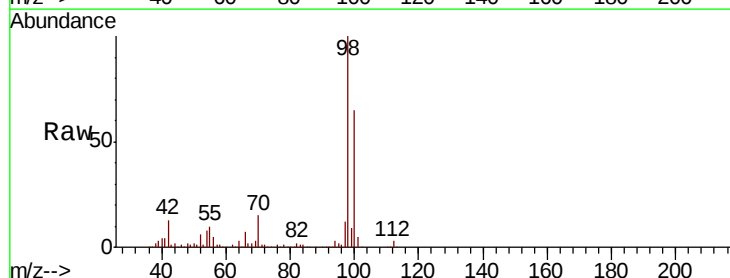


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

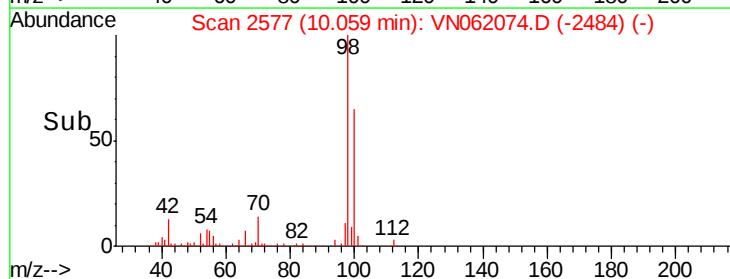
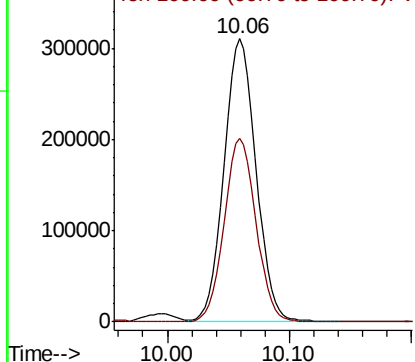


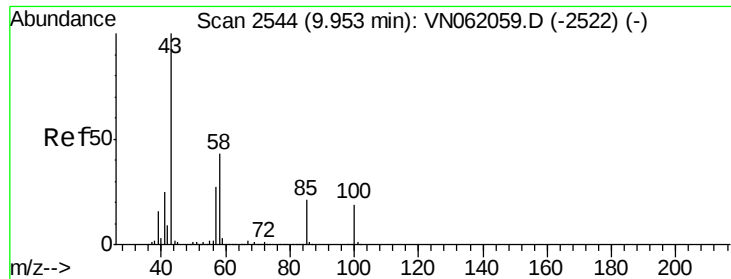
#50
Toluene-d8
Concen: 50.848 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 98 Resp: 568525
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 5.723 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

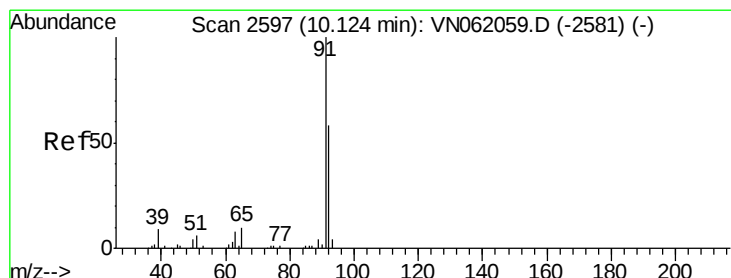
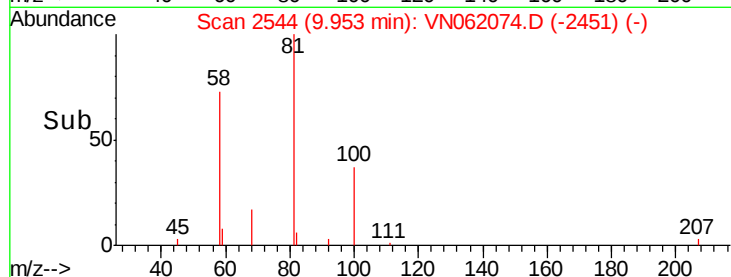
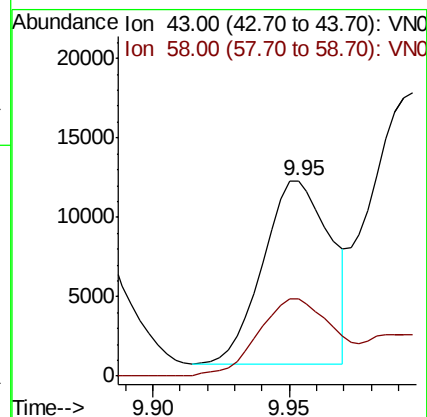
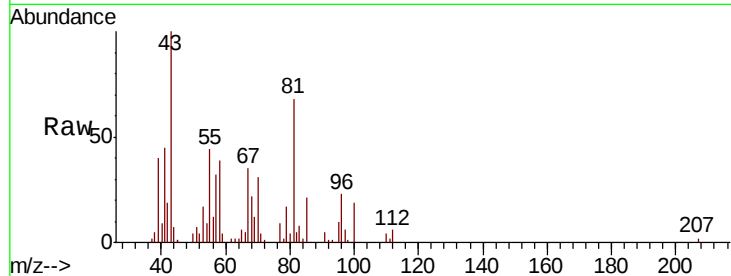
TW-1

Tot Ion: 43 Resp: 19779

Ion Ratio Lower Upper

43 100

58 48.2 34.2 51.2



#52

Toluene

Concen: 2.183 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062074.D

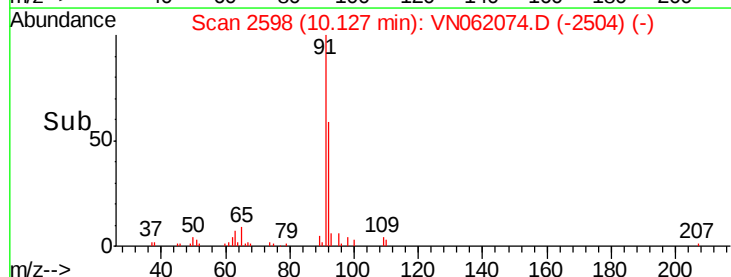
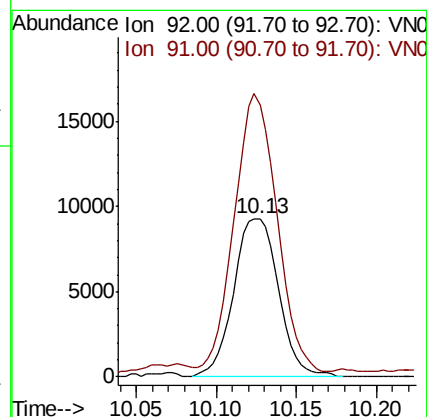
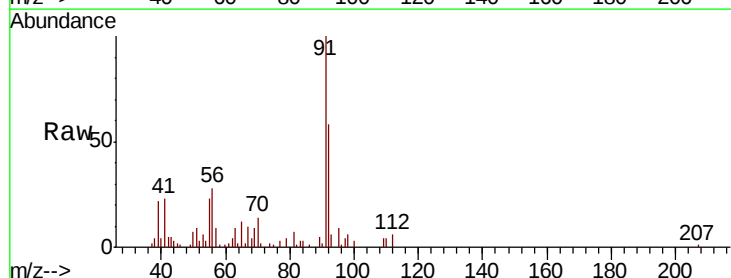
Acq: 24 Jun 2020 19:49

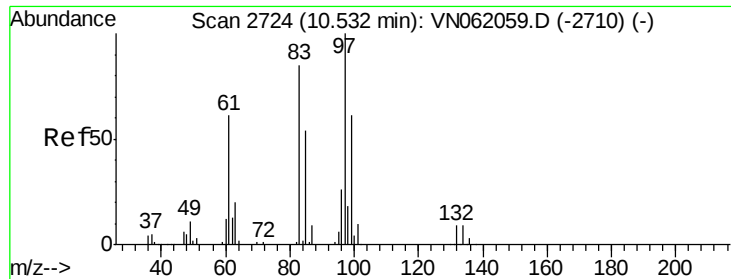
Tgt Ion: 92 Resp: 17791

Ion Ratio Lower Upper

92 100

91 166.7 137.4 206.0

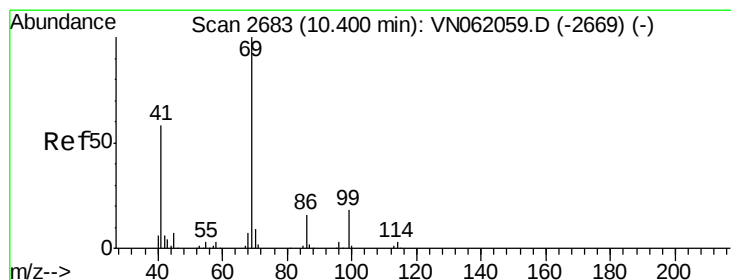
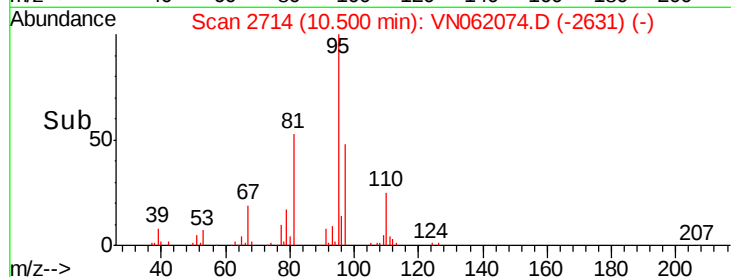
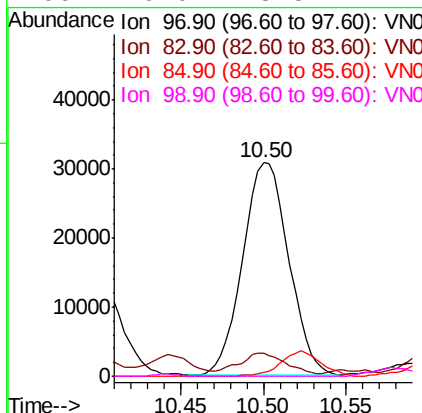
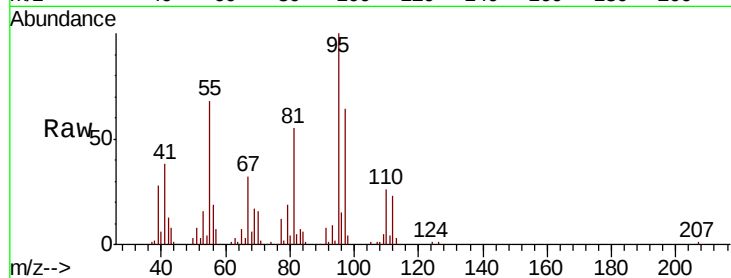




#55
 1,1,2-Trichloroethane
 Concen: 18.484 ug/l
 RT: 10.50 min Scan# 2714
 Delta R.T. -0.03 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

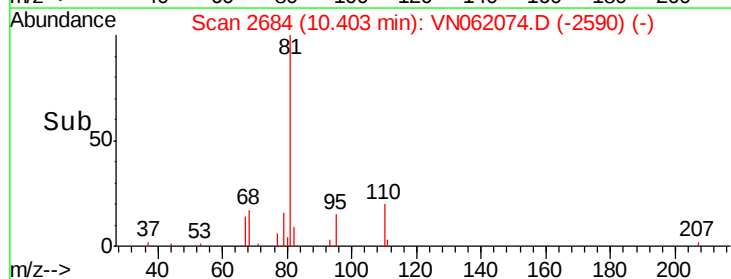
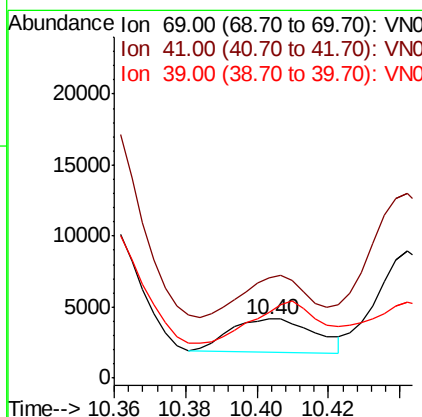
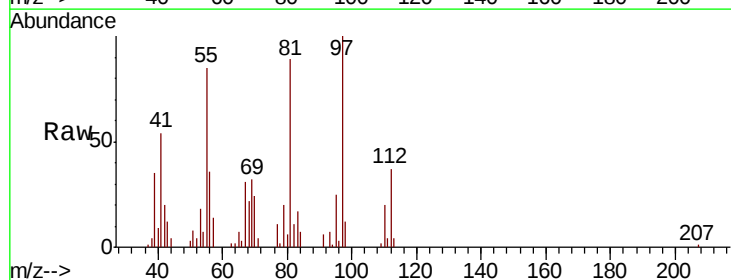
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

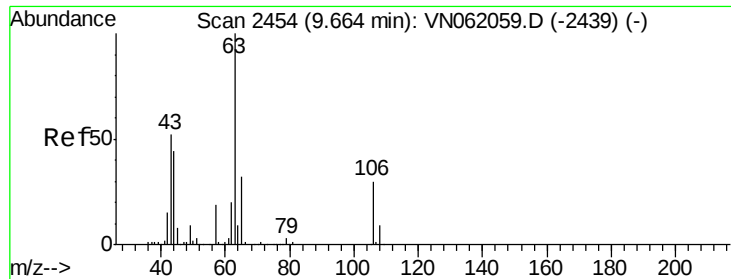
Tot Ion: 97 Resp: 59218
 Ion Ratio Lower Upper
 97 100
 83 7.6 68.2 102.2#
 85 1.5 43.2 64.8#
 99 0.0 48.5 72.7#



#56
 Ethyl methacrylate
 Concen: 0.892 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion: 69 Resp: 3814
 Ion Ratio Lower Upper
 69 100
 41 92.5 46.6 70.0#
 39 97.7 31.0 46.4#

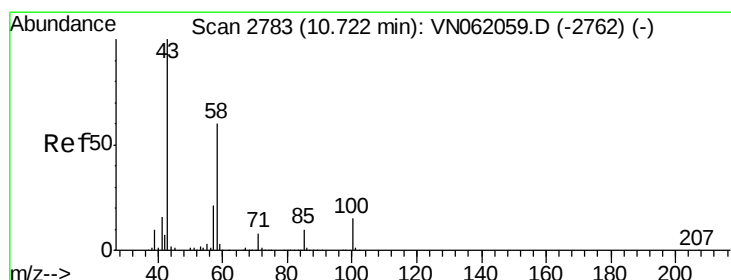
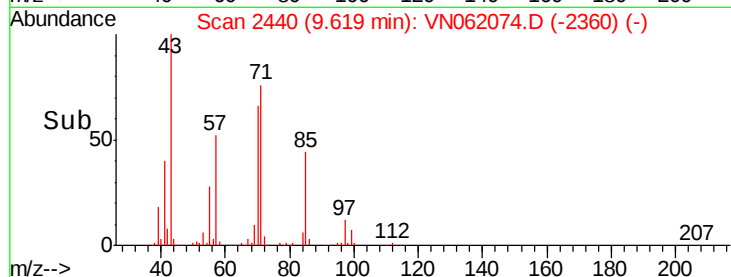
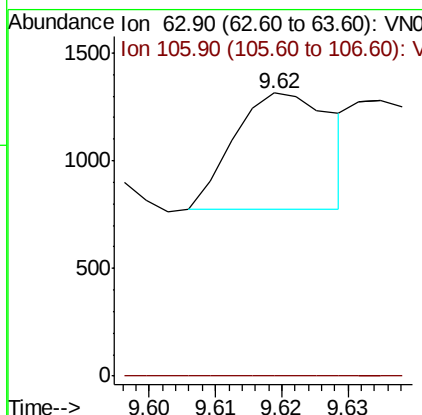
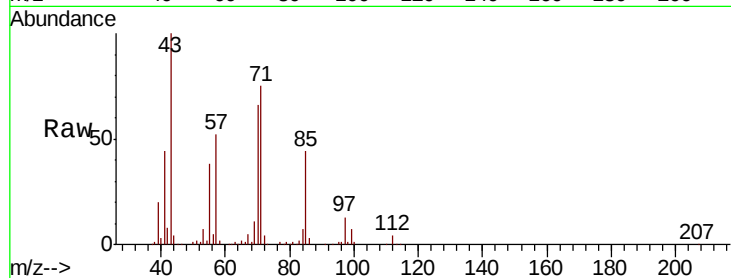




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.388 ug/l
 RT: 9.62 min Scan# 2440
 Delta R.T. -0.04 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

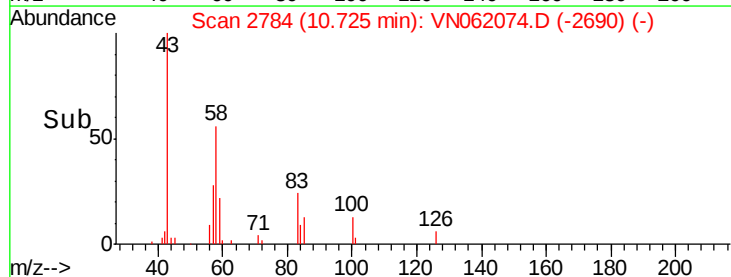
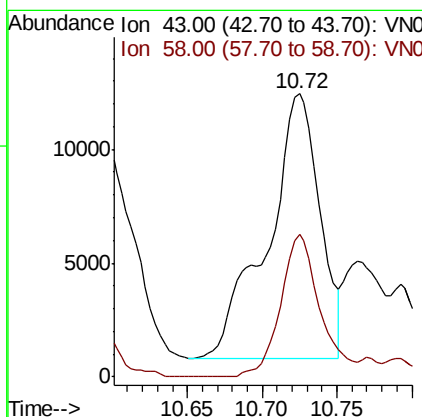
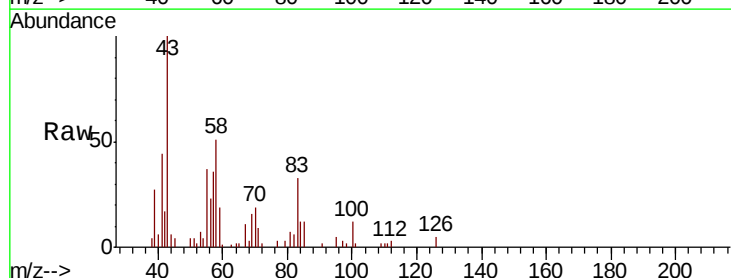
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

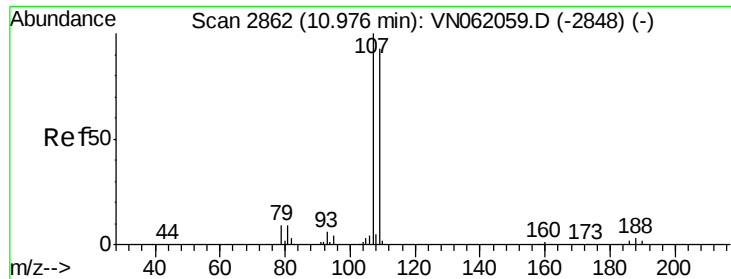
Tot Ion: 63 Resp: 555
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.2 34.8#



#59
 2-Hexanone
 Concen: 11.349 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion: 43 Resp: 28325
 Ion Ratio Lower Upper
 43 100
 58 40.6 29.5 88.5





#61

1,2-Dibromoethane

Concen: 0.268 ug/l

RT: 10.95 min Scan# 2853

Delta R.T. -0.03 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampleId :

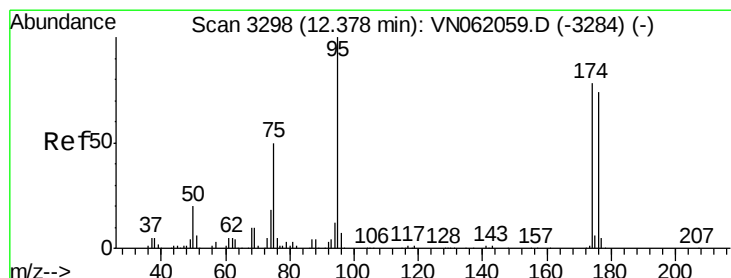
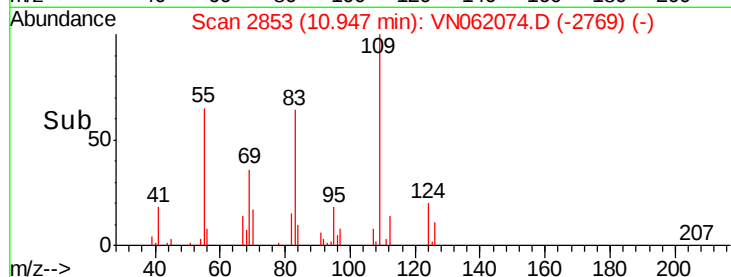
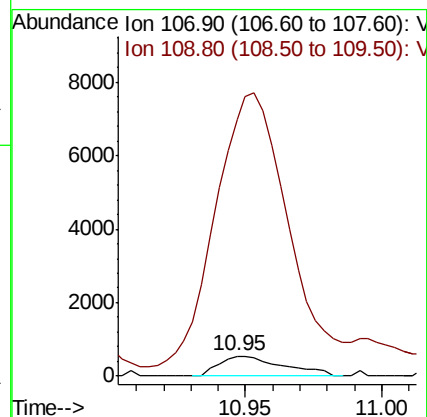
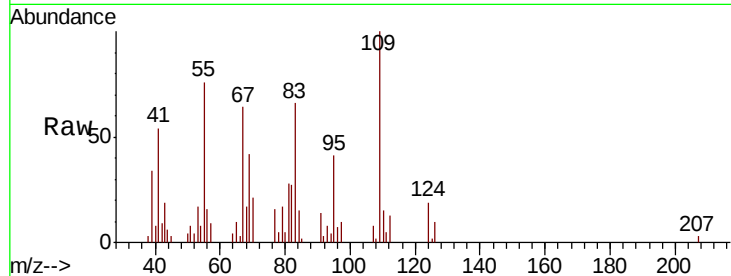
TW-1

Tot Ion:107 Resp: 883

Ion Ratio Lower Upper

107 100

109 1542.2 75.0 112.6#



#62

4-Bromofluorobenzene

Concen: 55.957 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

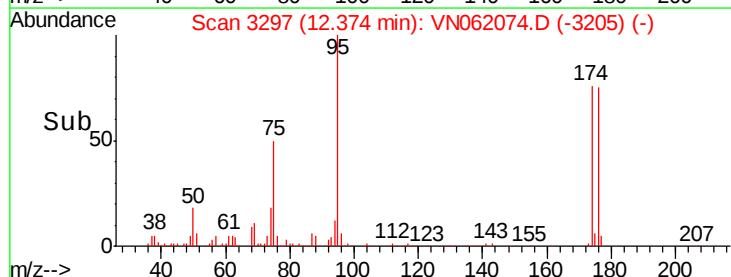
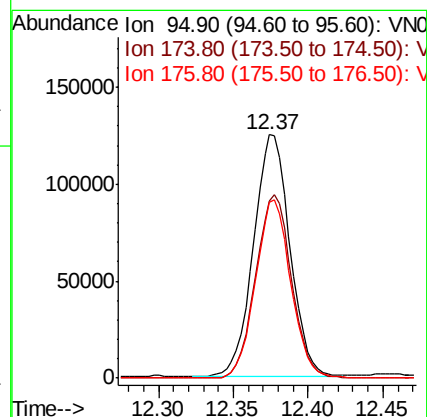
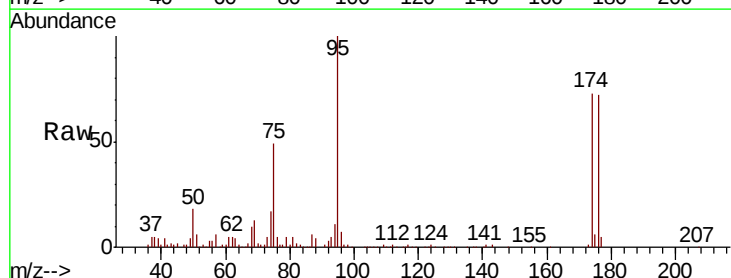
Tgt Ion: 95 Resp: 211383

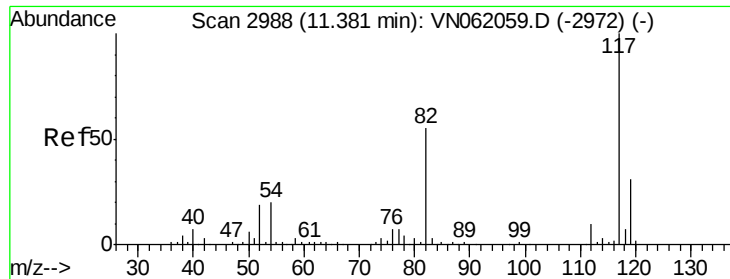
Ion Ratio Lower Upper

95 100

174 75.0 0.0 154.8

176 71.7 0.0 147.4

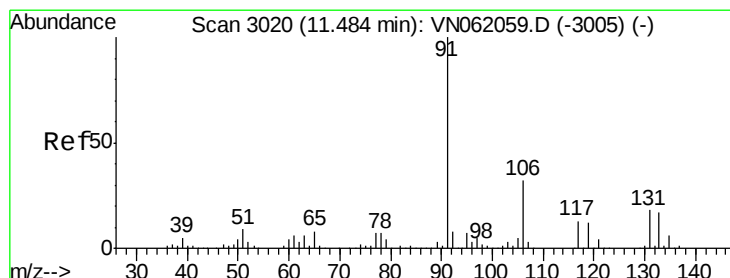
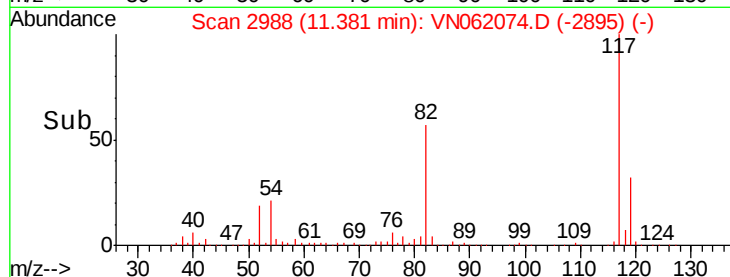
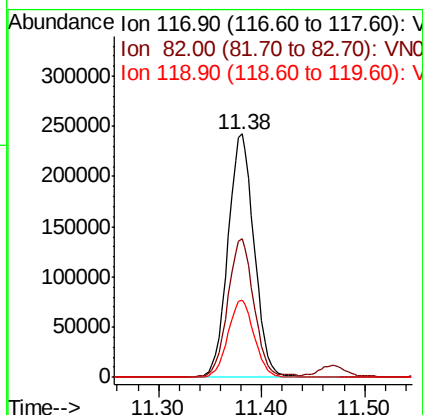
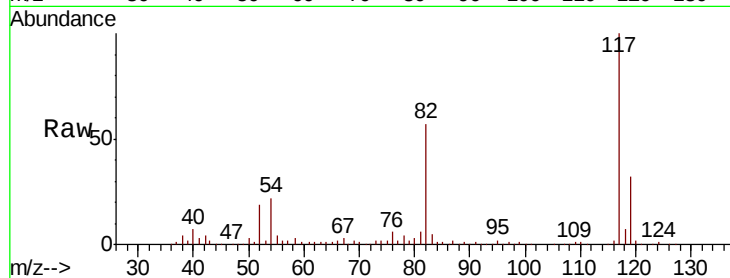




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

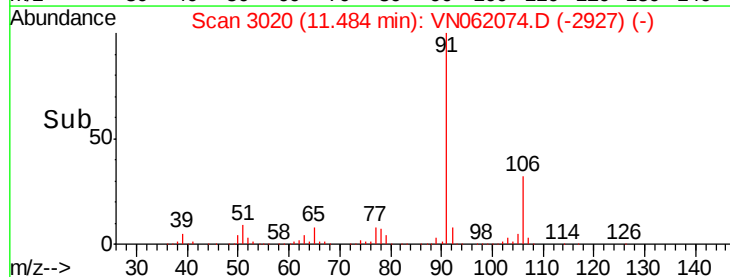
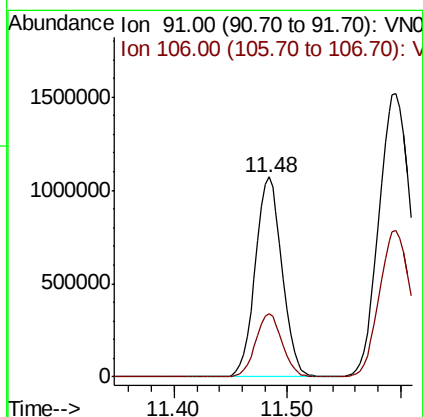
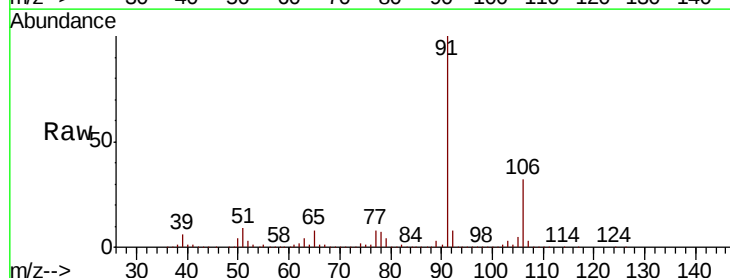
Instrument :
MSVOA_N
ClientSampled :
TW-1

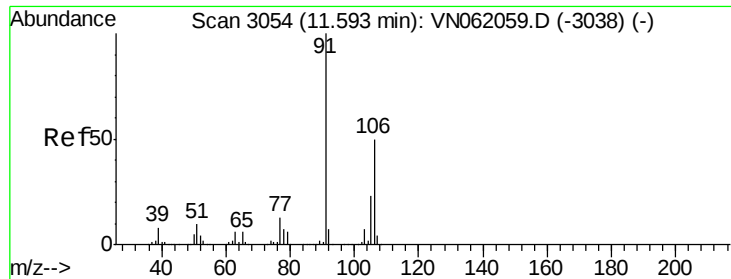
Tot Ion:117 Resp: 427248
Ion Ratio Lower Upper
117 100
82 56.8 43.8 65.8
119 31.9 25.2 37.8



#67
Ethyl Benzene
Concen: 110.834 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 91 Resp: 1756254
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

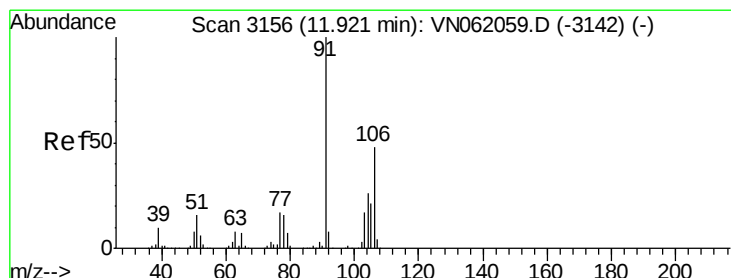
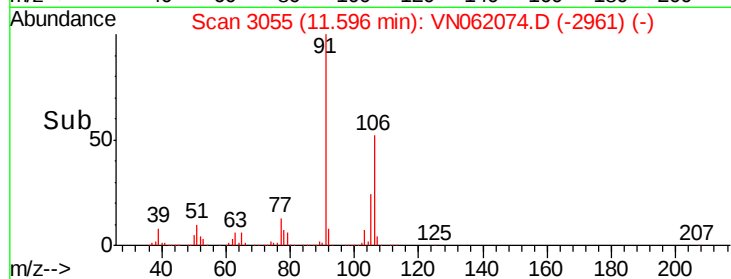
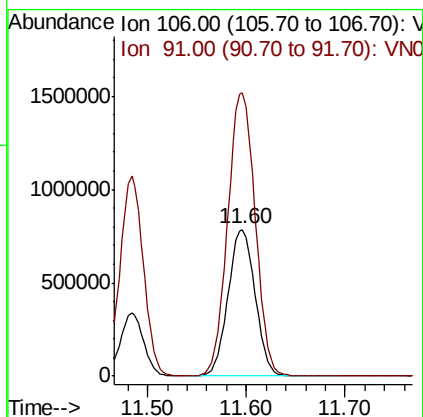
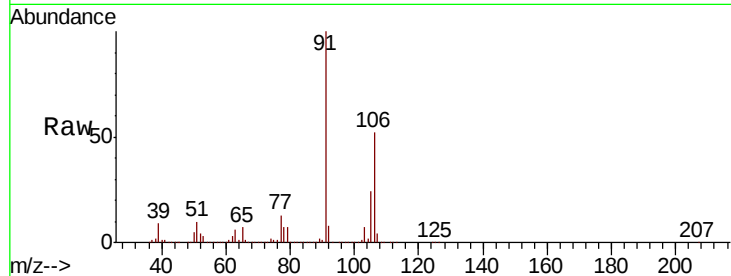




#68
m/p-Xylenes
Concen: 245.937 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

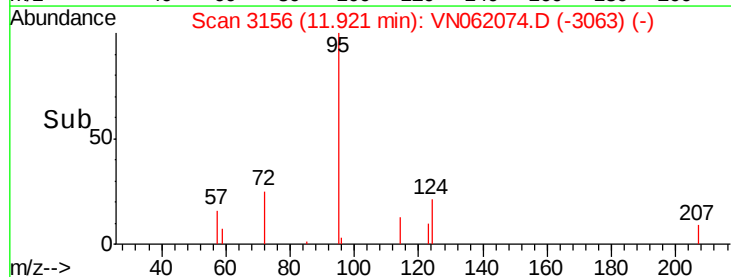
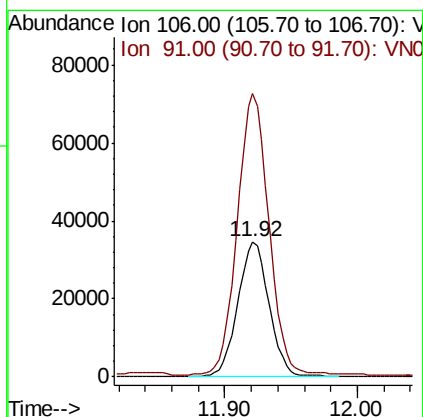
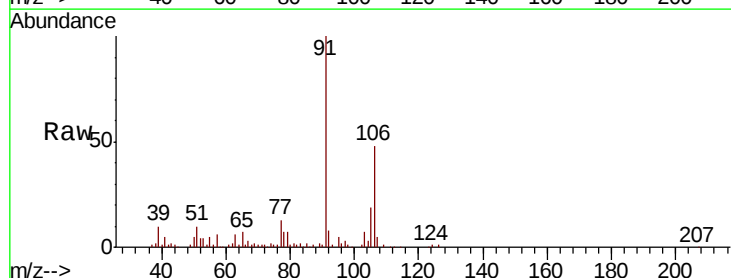
Instrument :
MSVOA_N
ClientSampled :
TW-1

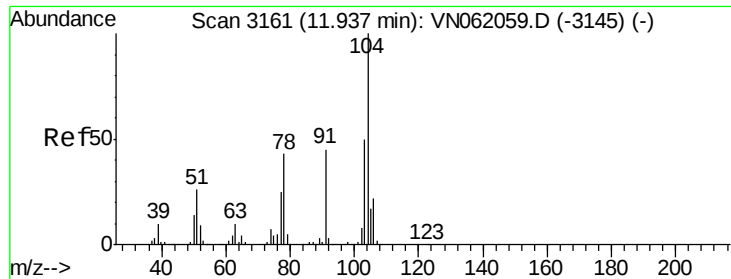
Tot Ion:106 Resp: 1507317
Ion Ratio Lower Upper
106 100
91 196.1 157.8 236.8



#69
o-Xylene
Concen: 9.844 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion:106 Resp: 56925
Ion Ratio Lower Upper
106 100
91 209.8 104.0 311.9

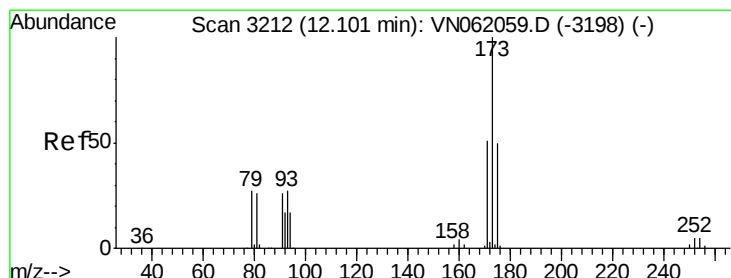
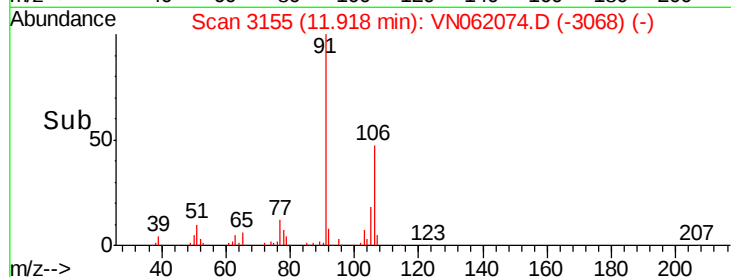
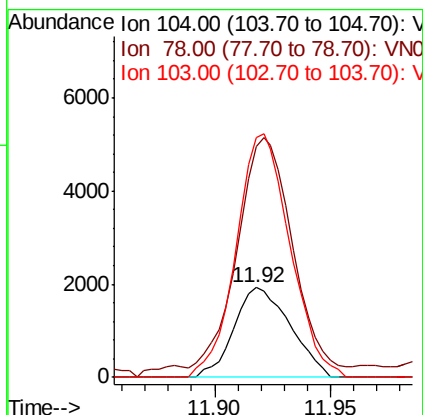
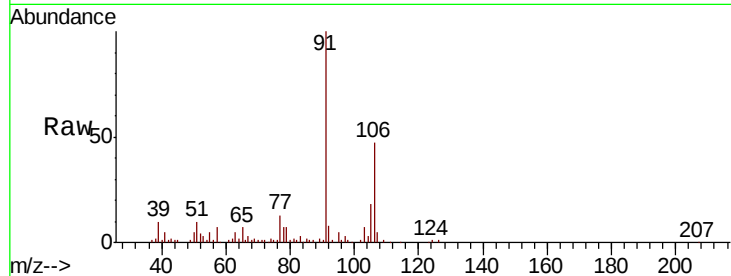




#70
Stvrene
Concen: 0.335 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.02 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

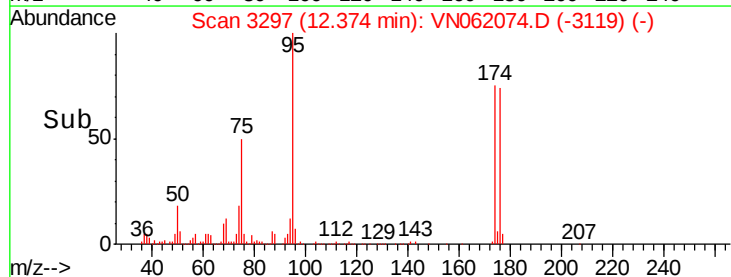
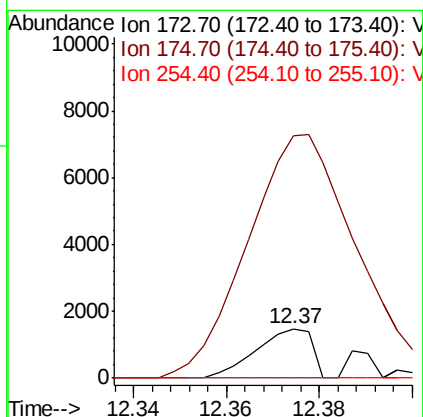
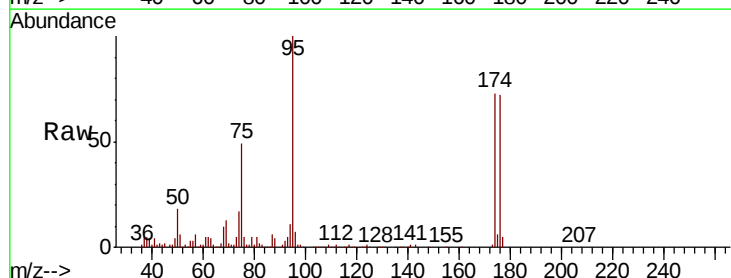
Instrument :
MSVOA_N
ClientSampleId :
TW-1

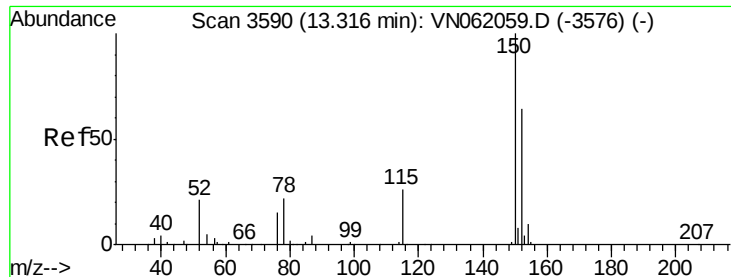
Tot Ion:104 Resp: 3234
Ion Ratio Lower Upper
104 100
78 278.2 37.7 56.5#
103 260.5 43.0 64.6#



#71
Bromoform
Concen: 0.531 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion:173 Resp: 1225
Ion Ratio Lower Upper
173 100
175 833.4 24.7 74.1#
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: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

TW-1

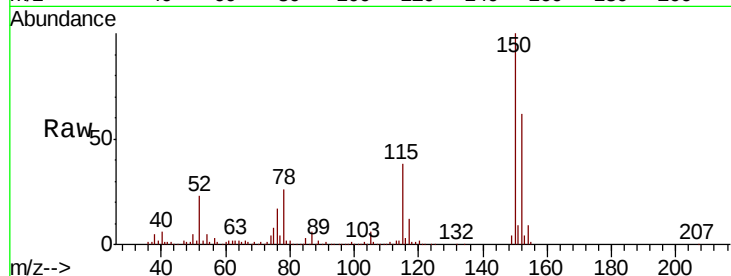
Tot Ion:152 Resp: 198321

Ion Ratio Lower Upper

152 100

115 74.0 29.5 88.5

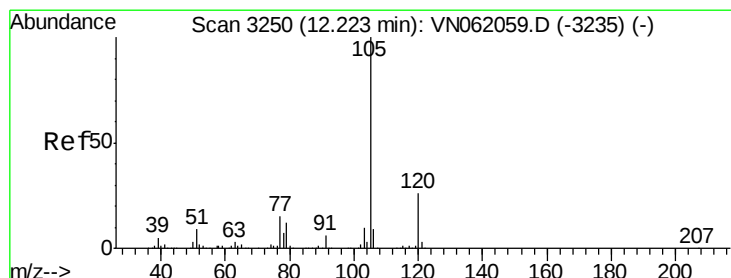
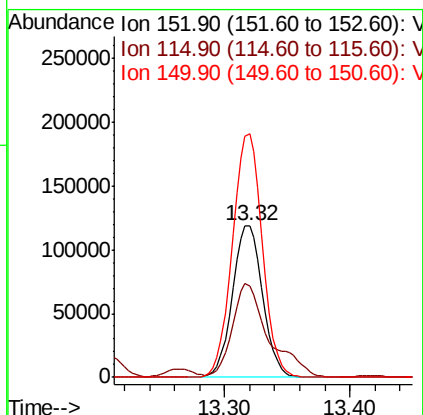
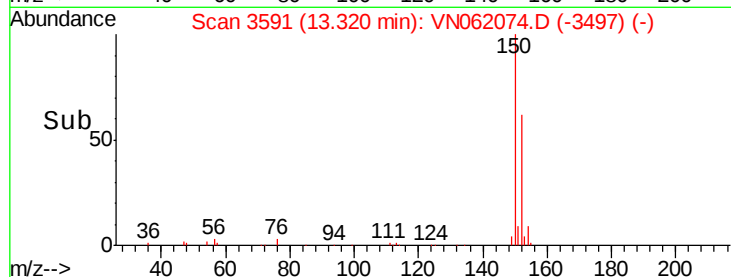
150 158.9 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 110.840 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062074.D

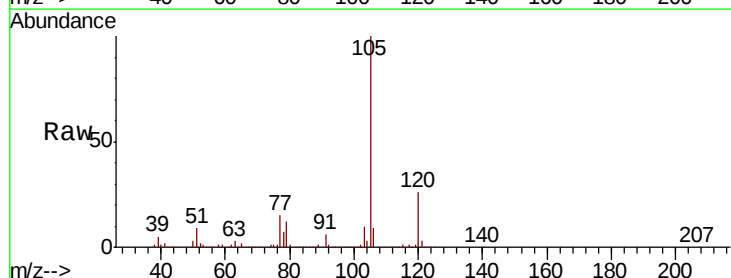
Acq: 24 Jun 2020 19:49

Tgt Ion:105 Resp: 1701573

Ion Ratio Lower Upper

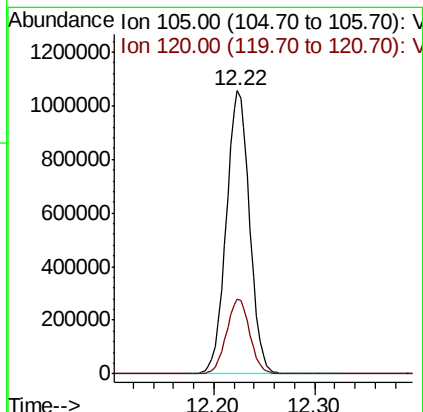
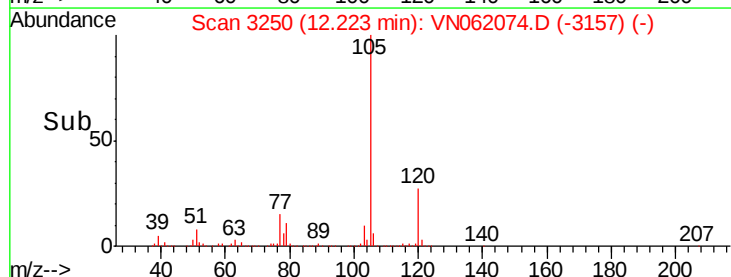
105 100

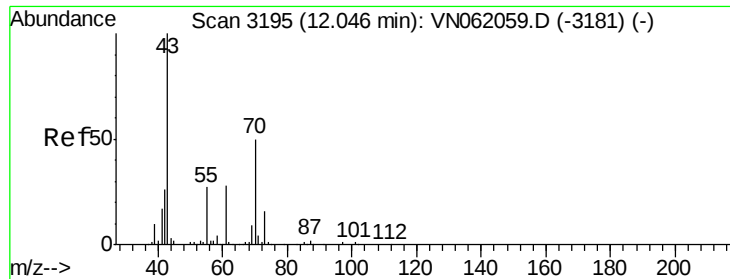
120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

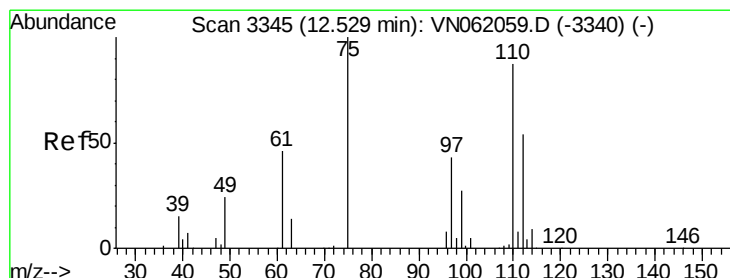
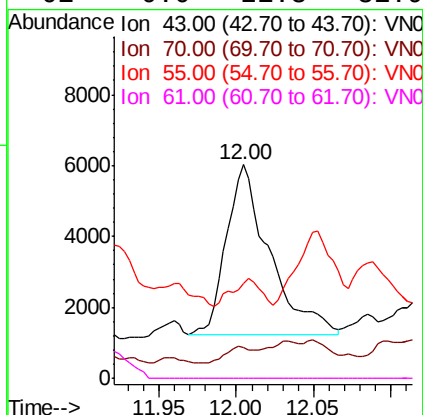
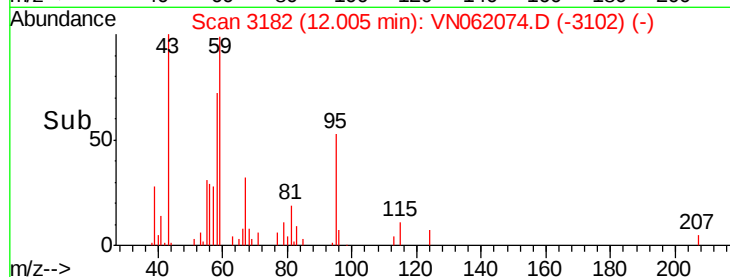
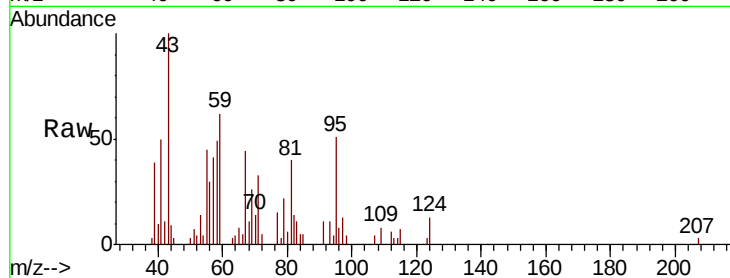




#74
N-amvl acetate
Concen: 4.880 ug/l
RT: 12.00 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

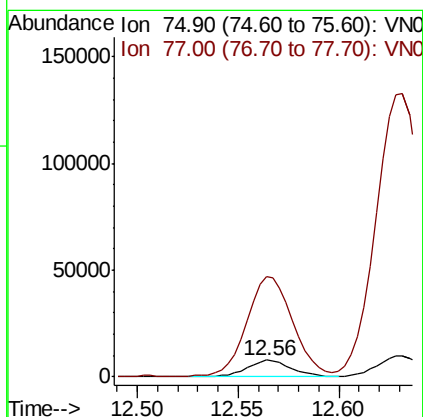
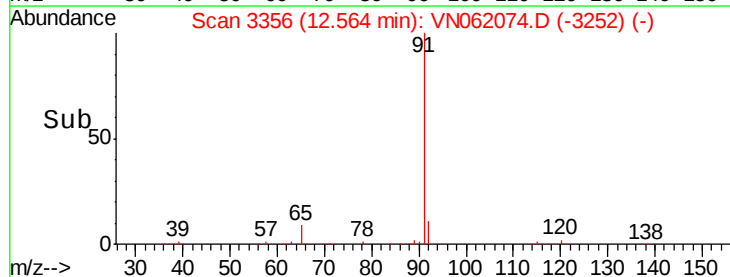
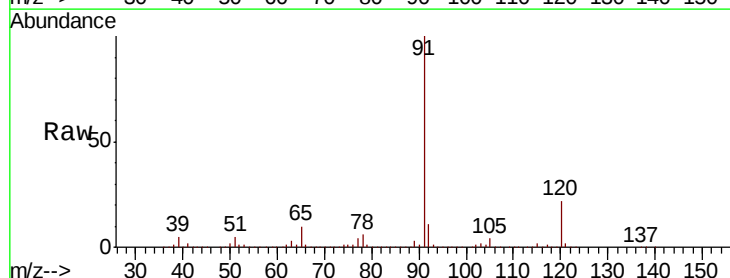
Instrument :
MSVOA_N
ClientSampled :
TW-1

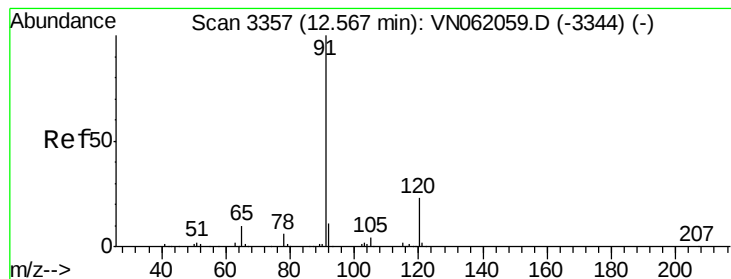
Tot Ion: 43 Resp: 9305
Ion Ratio Lower Upper
43 100
70 5.9 39.4 59.2#
55 10.2 21.7 32.5#
61 0.0 21.3 31.9#



#76
1,2,3-Trichloropropane
Concen: 2.487 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. 0.04 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 75 Resp: 11613
Ion Ratio Lower Upper
75 100
77 639.8 0.0 0.0#





#78

n-propylbenzene

Concen: 110.342 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

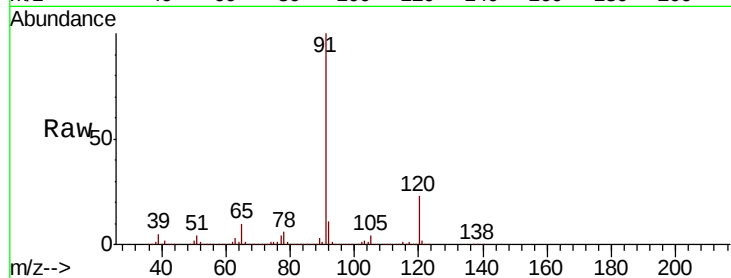
TW-1

Tot Ion: 91 Resp: 1937615

Ion Ratio Lower Upper

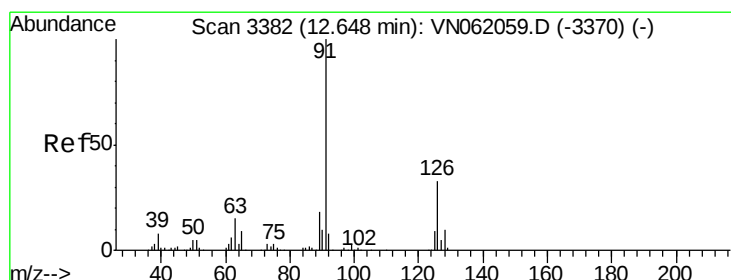
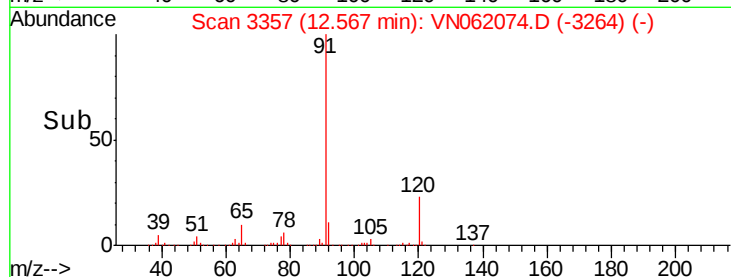
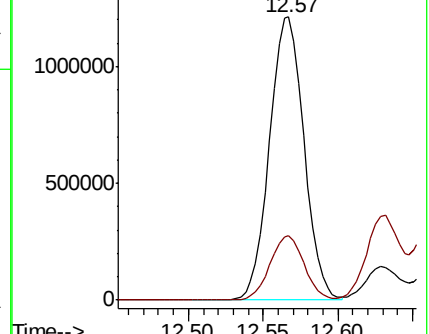
91 100

120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 22.078 ug/l

RT: 12.63 min Scan# 3376

Delta R.T. -0.02 min

Lab File: VN062074.D

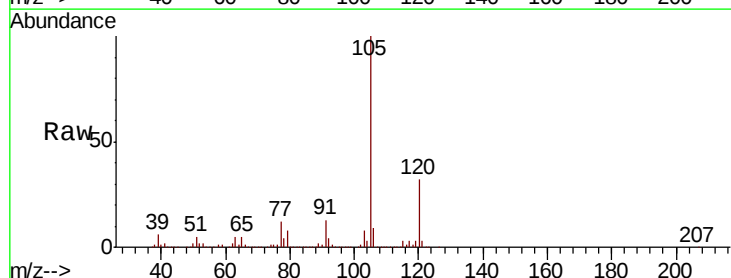
Acq: 24 Jun 2020 19:49

Tgt Ion: 91 Resp: 234379

Ion Ratio Lower Upper

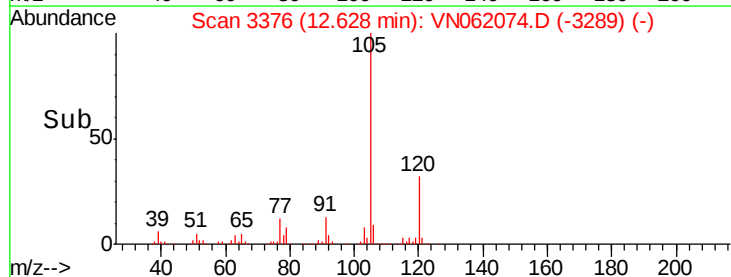
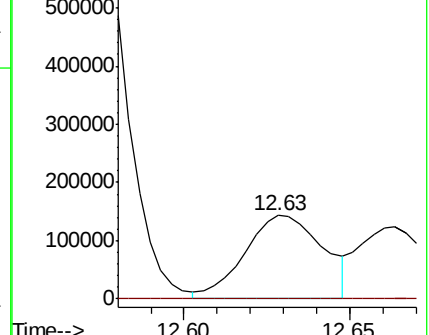
91 100

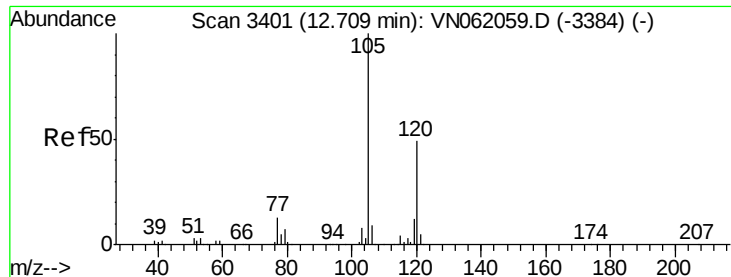
126 0.6 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

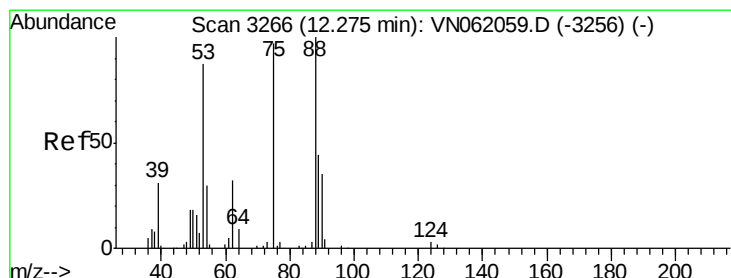
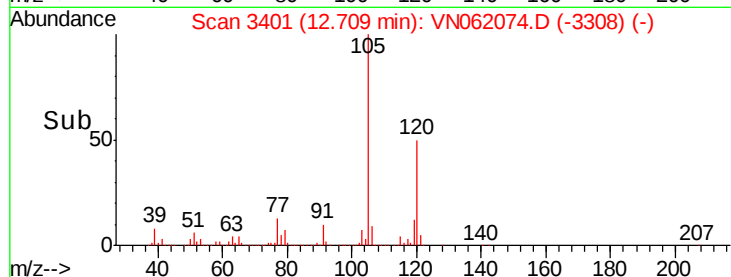
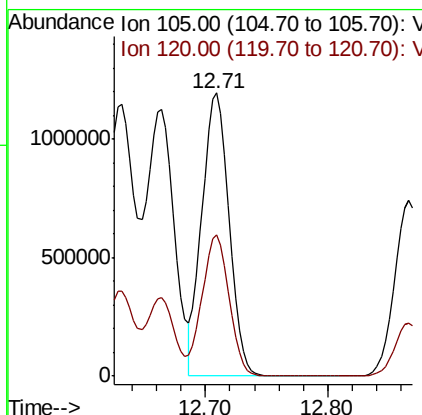
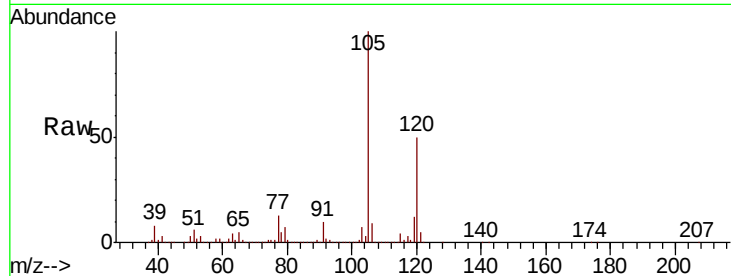




#80
 1,3,5-Trimethylbenzene
 Concen: 148.020 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

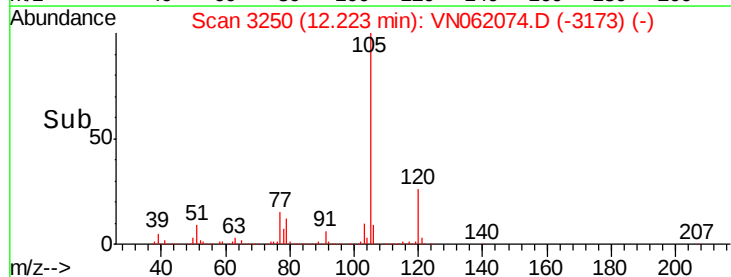
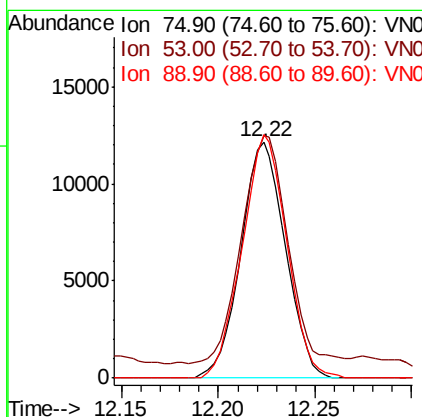
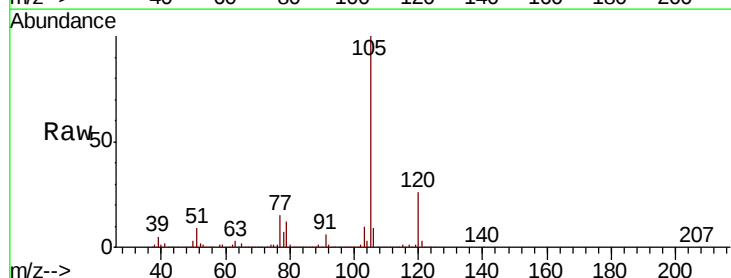
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

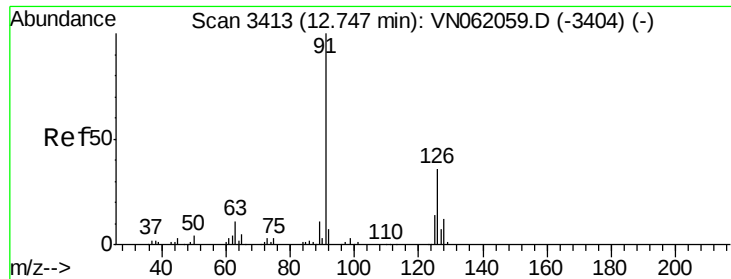
Tot Ion:105 Resp: 1842089
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 12.154 ug/l
 RT: 12.22 min Scan# 3250
 Delta R.T. -0.05 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion: 75 Resp: 19430
 Ion Ratio Lower Upper
 75 100
 53 99.5 72.0 108.0
 89 103.6 36.9 55.3#





#82

4-Chlorotoluene

Concen: 17.321 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.04 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampled :

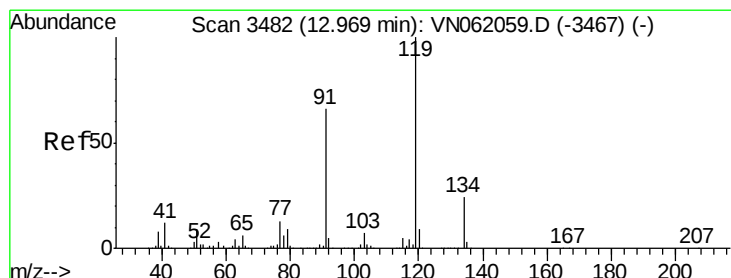
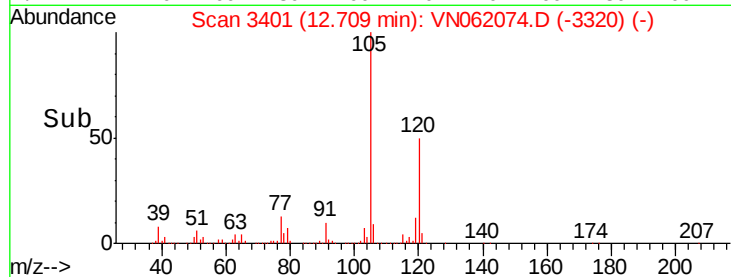
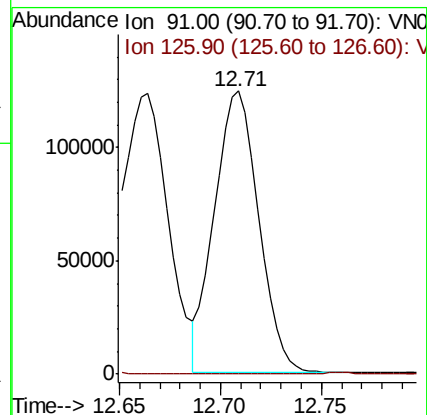
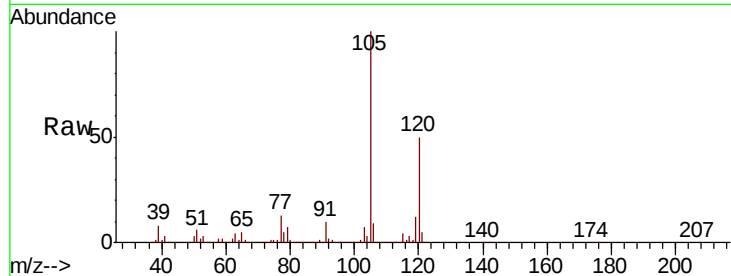
TW-1

Tot Ion: 91 Resp: 190146

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#



#83

tert-Butylbenzene

Concen: 59.224 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.05 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

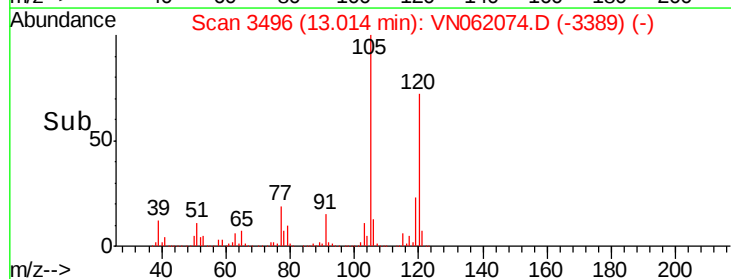
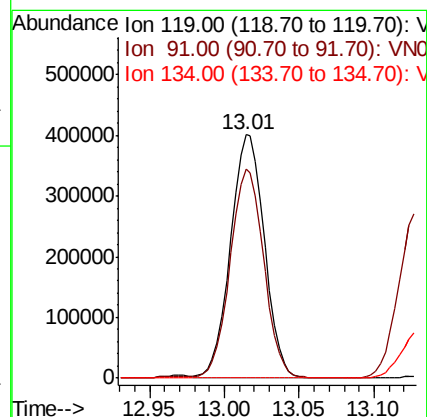
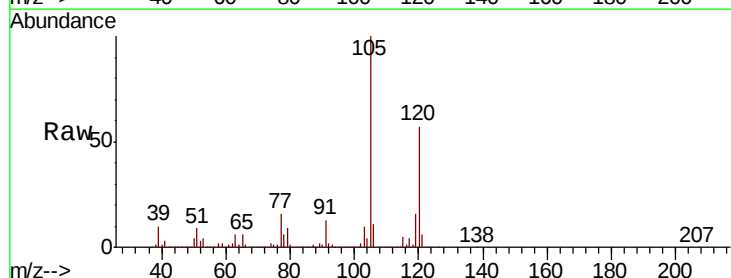
Tgt Ion: 119 Resp: 630761

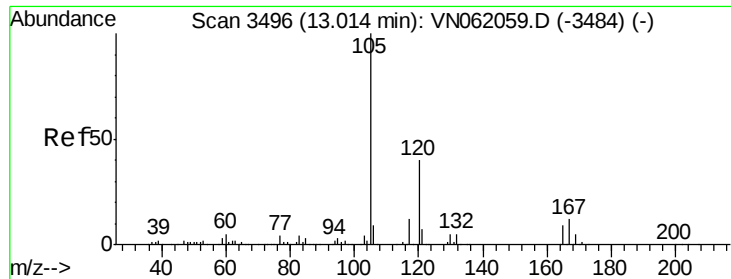
Ion Ratio Lower Upper

119 100

91 86.1 31.7 95.1

134 0.0 13.1 39.1#

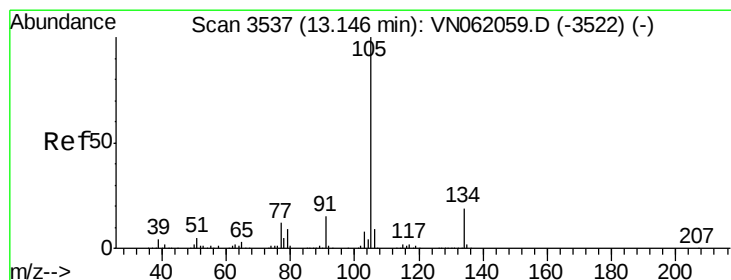
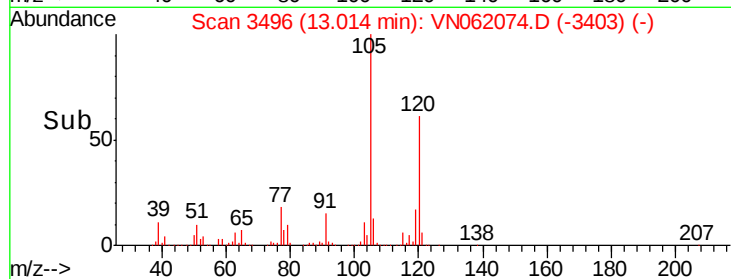
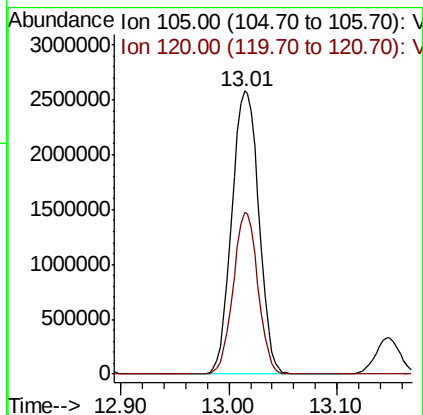
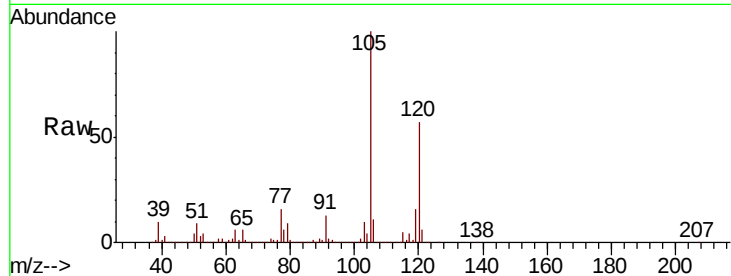




#84
 1,2,4-Trimethylbenzene
 Concen: 363.278 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

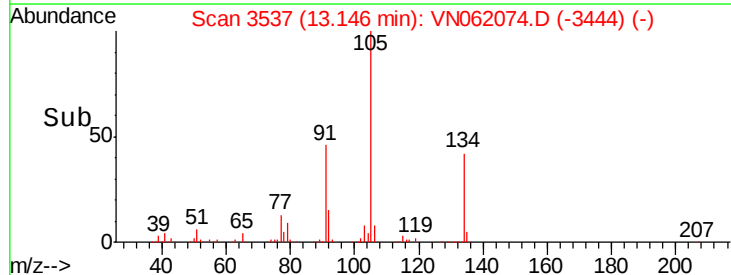
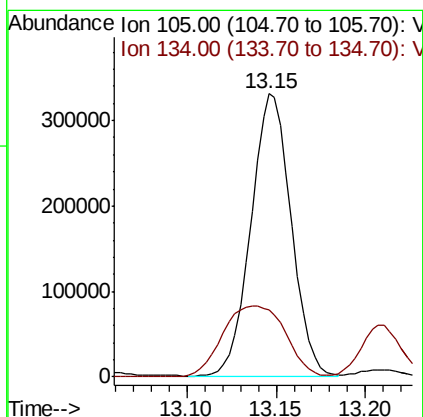
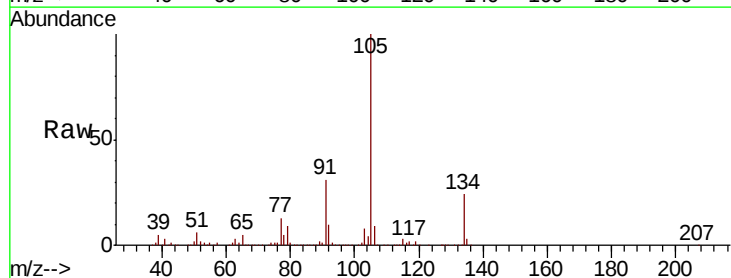
Instrument :
 MSVOA_N
 ClientSampled :
 TW-1

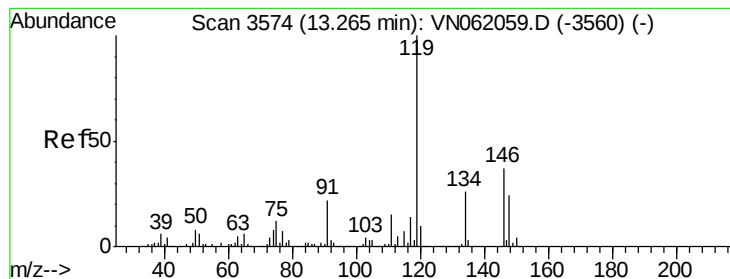
Tot Ion:105 Resp: 4515254
 Ion Ratio Lower Upper
 105 100
 120 52.3 23.2 69.5



#85
 sec-Butylbenzene
 Concen: 36.864 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Tgt Ion:105 Resp: 518791
 Ion Ratio Lower Upper
 105 100
 134 39.4 9.7 29.1#





#86

p-Isopropyltoluene

Concen: 10.468 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

Instrument :

MSVOA_N

ClientSampleId :

TW-1

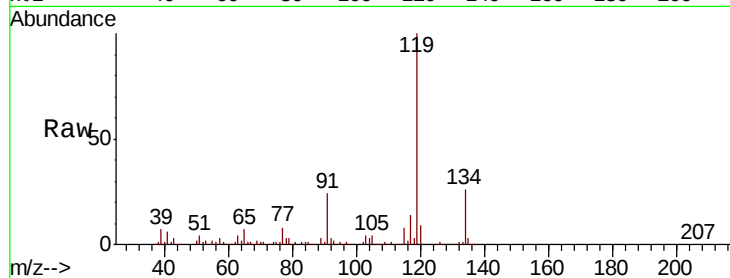
Tot Ion:119 Resp: 129067

Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

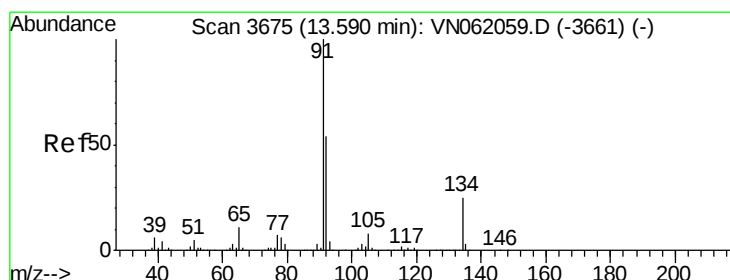
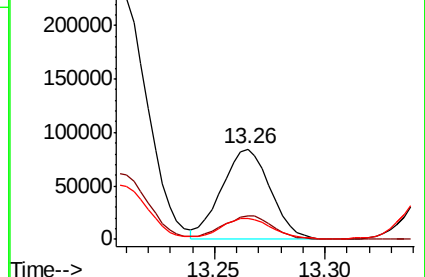
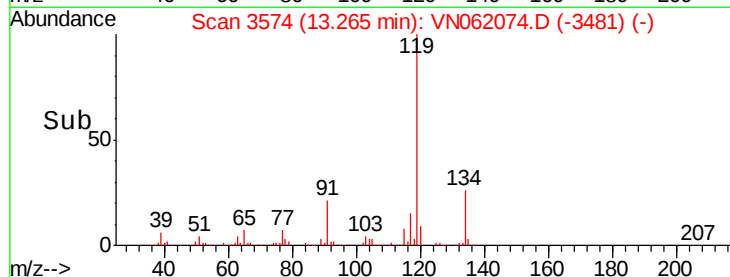
91 23.1 11.3 33.8



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



#89

n-Butylbenzene

Concen: 81.046 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062074.D

Acq: 24 Jun 2020 19:49

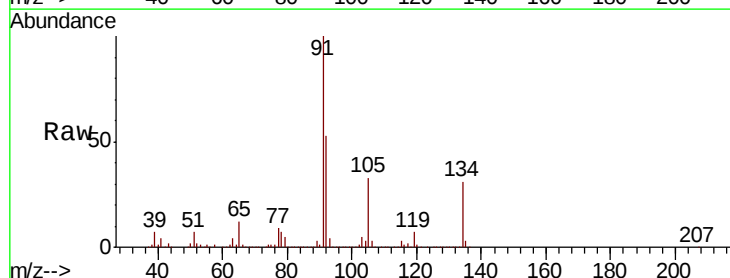
Tgt Ion: 91 Resp: 830777

Ion Ratio Lower Upper

91 100

92 64.1 26.6 79.7

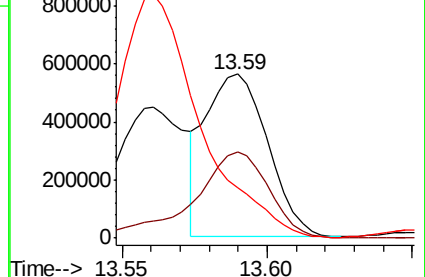
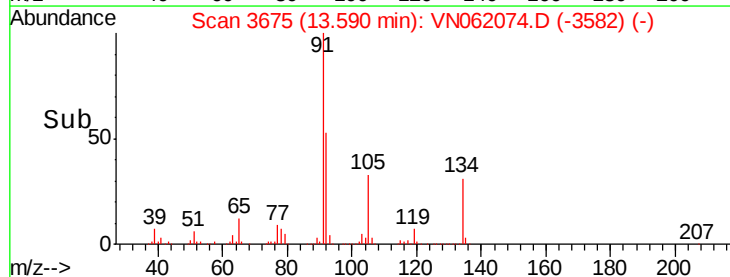
134 0.0 12.3 36.9#

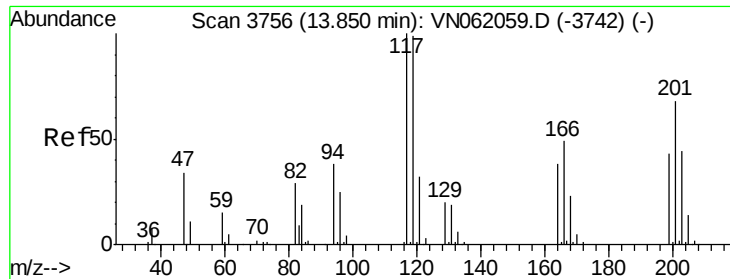


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

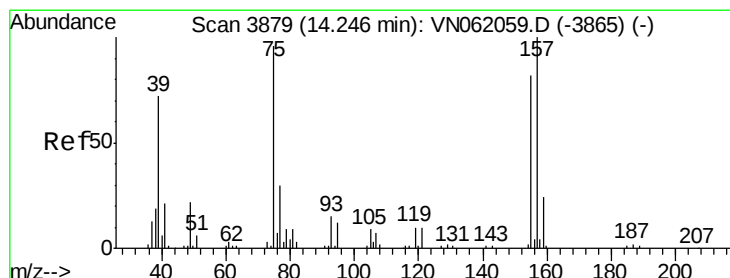
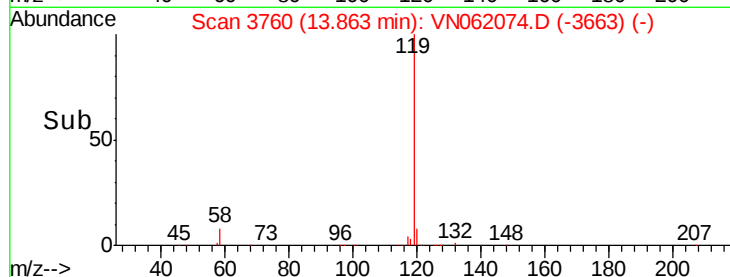
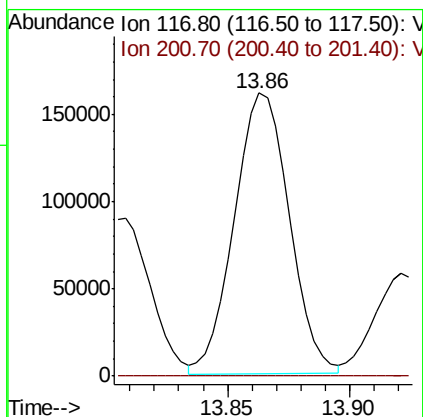
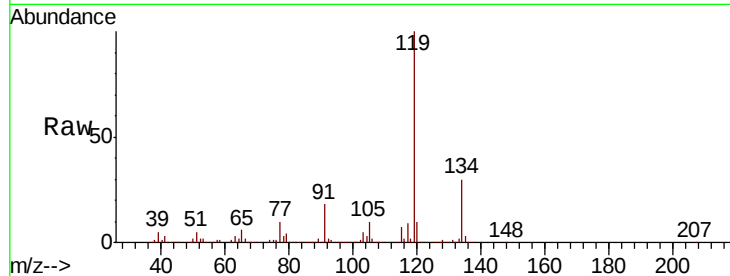




#90
Hexachloroethane
Concen: 104.252 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

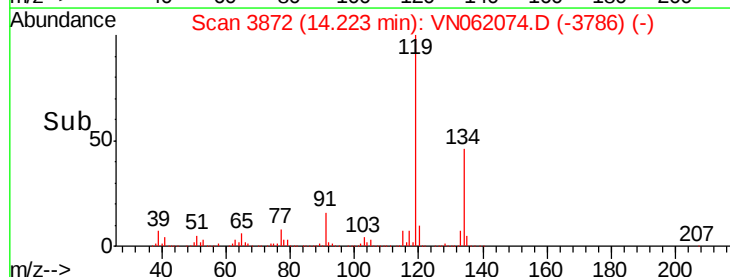
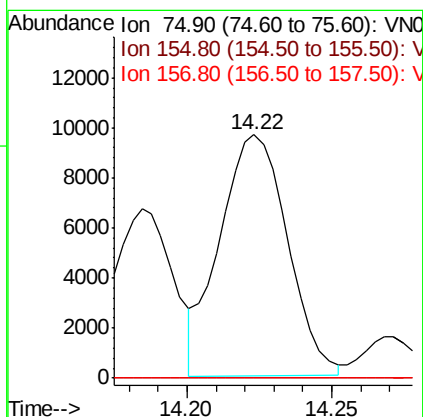
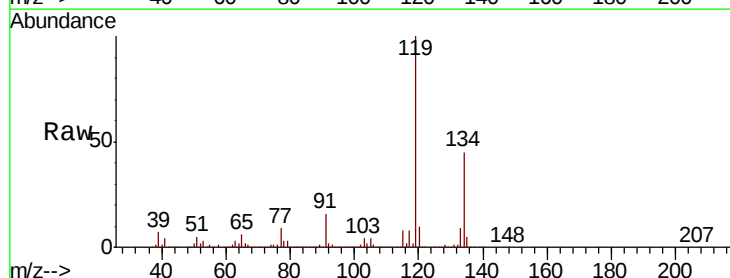
Instrument :
MSVOA_N
ClientSampled :
TW-1

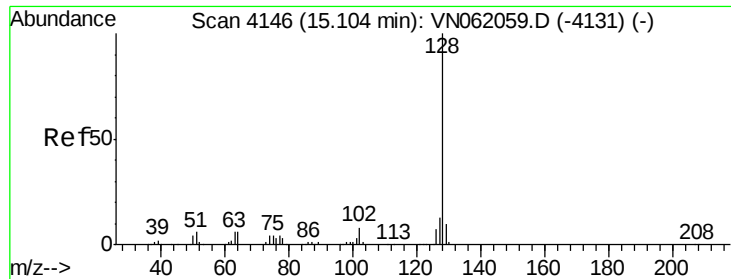
Tot Ion:117 Resp: 252195
Ion Ratio Lower Upper
117 100
201 0.0 32.7 98.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.128 ug/l
RT: 14.22 min Scan# 3872
Delta R.T. -0.02 min
Lab File: VN062074.D
Acq: 24 Jun 2020 19:49

Tgt Ion: 75 Resp: 15654
Ion Ratio Lower Upper
75 100
155 0.0 40.8 122.4#
157 0.0 51.4 154.3#

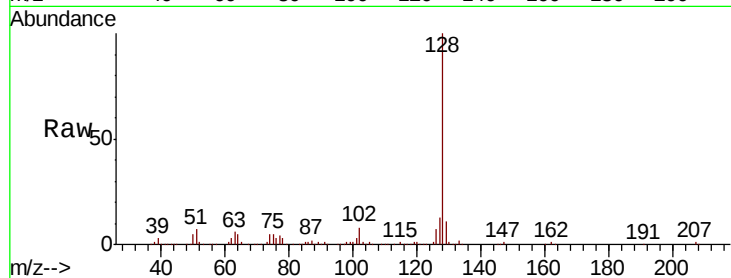




#95
 Naphthalene
 Concen: 30.111 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN062074.D
 Acq: 24 Jun 2020 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

