

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070920\
 Data File : VN062449.D
 Acq On : 9 Jul 2020 11:51
 Operator : JC/MD
 Sample : VN0709WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Quant Time: Jul 09 12:37:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	410877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	374967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	184908	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.55	113	130929	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.06	98	521709	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.37	95	189737	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	46192	19.021	ug/l	96
3) Chloromethane	2.04	50	70143	18.001	ug/l	99
4) Vinyl Chloride	2.16	62	63486	19.887	ug/l	99
5) Bromomethane	2.53	94	27712	16.163	ug/l	95
6) Chloroethane	2.67	64	37931	20.400	ug/l	95
7) Trichlorofluoromethane	2.98	101	80707	19.906	ug/l	98
8) Diethyl Ether	3.37	74	36449	20.105	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49862	20.746	ug/l	99
10) Methyl Iodide	3.91	142	37261	11.741	ug/l	100
11) Tert butyl alcohol	4.73	59	55140	90.646	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48381	19.771	ug/l	95
13) Acrolein	3.57	56	36259	82.630	ug/l	99
14) Allyl chloride	4.27	41	105860	18.394	ug/l	95
15) Acrylonitrile	4.93	53	156949	98.378	ug/l	99
16) Acetone	3.78	43	141291	90.754	ug/l	98
17) Carbon Disulfide	4.01	76	142491	18.583	ug/l	99
18) Methyl Acetate	4.28	43	72005	18.533	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	188138	20.279	ug/l	98
20) Methylene Chloride	4.50	84	59469	17.865	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	51576	19.455	ug/l	97
22) Diisopropyl ether	5.90	45	220935	19.431	ug/l	98
23) Vinyl Acetate	5.84	43	919196	97.590	ug/l	99
24) 1,1-Dichloroethane	5.80	63	113701	19.352	ug/l	99
25) 2-Butanone	6.79	43	218243	95.986	ug/l	96
26) 2,2-Dichloropropane	6.78	77	90939	20.186	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	60930	19.843	ug/l	98
28) Bromochloromethane	7.15	49	59982	18.791	ug/l	96
29) Tetrahydrofuran	7.17	42	146965	96.007	ug/l	98
30) Chloroform	7.33	83	106505	20.076	ug/l	97
31) Cyclohexane	7.61	56	104240	18.715	ug/l	# 91
32) 1,1,1-Trichloroethane	7.53	97	88206	19.989	ug/l	99
36) 1,1-Dichloropropene	7.75	75	82123	19.839	ug/l	99
37) Ethyl Acetate	6.88	43	88995	18.386	ug/l	97
38) Carbon Tetrachloride	7.73	117	75197	20.206	ug/l	98

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Quant Time: Jul 09 12:37:16 2020
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	89591	20.272	ug/l	98
40) Benzene	8.00	78	238415	19.542	ug/l	99
41) Methacrylonitrile	7.13	41	40495	20.024	ug/l	97
42) 1,2-Dichloroethane	8.09	62	89958	20.137	ug/l	100
43) Isopropyl Acetate	8.13	43	151890	19.864	ug/l #	92
44) Trichloroethene	8.80	130	53864	19.899	ug/l	95
45) 1,2-Dichloropropane	9.09	63	69093	19.509	ug/l	97
46) Dibromomethane	9.18	93	40409	20.218	ug/l	99
47) Bromodichloromethane	9.37	83	85225	19.945	ug/l	97
48) Methyl methacrylate	9.17	41	71187	18.979	ug/l	96
49) 1,4-Dioxane	9.17	88	21137	387.167	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	456034	99.852	ug/l	99
52) Toluene	10.12	92	142957	20.286	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	95883	20.029	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	103548	19.604	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	56600	20.422	ug/l	97
56) Ethyl methacrylate	10.40	69	93601	19.434	ug/l	97
57) 1,3-Dichloropropane	10.68	76	104798	20.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	156547	95.207	ug/l	98
59) 2-Hexanone	10.72	43	328285	99.013	ug/l	99
60) Dibromochloromethane	10.87	129	59040	19.646	ug/l	98
61) 1,2-Dibromoethane	10.98	107	57058	20.394	ug/l	99
64) Tetrachloroethene	10.60	164	45773	20.572	ug/l	98
65) Chlorobenzene	11.41	112	146997	20.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	53446	19.887	ug/l	97
67) Ethyl Benzene	11.48	91	276623	20.222	ug/l	99
68) m/p-Xylenes	11.59	106	195441	40.359	ug/l	99
69) o-Xylene	11.92	106	95871	20.333	ug/l	99
70) Styrene	11.94	104	160984	20.659	ug/l	99
71) Bromoform	12.10	173	39965	20.286	ug/l #	97
73) Isopropylbenzene	12.22	105	259758	20.681	ug/l	99
74) N-amyl acetate	12.04	43	127380	20.837	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	86489	20.480	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	112963	28.364	ug/l #	100
77) Bromobenzene	12.50	156	58352	20.436	ug/l	98
78) n-propylbenzene	12.56	91	304919	20.783	ug/l	100
79) 2-Chlorotoluene	12.65	91	184394	20.708	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	217580	21.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27116	18.224	ug/l	96
82) 4-Chlorotoluene	12.75	91	185100	20.476	ug/l	98
83) tert-Butylbenzene	12.97	119	181831	20.810	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	211333	20.649	ug/l	98
85) sec-Butylbenzene	13.15	105	243130	20.998	ug/l	99
86) p-Isopropyltoluene	13.26	119	214293	21.444	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	100552	20.413	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	100694	19.866	ug/l	98
89) n-Butylbenzene	13.59	91	180619	20.469	ug/l	99
90) Hexachloroethane	13.85	117	38749	19.711	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	97709	20.515	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	15778	20.473	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 2020
Response via : Initial Calibration

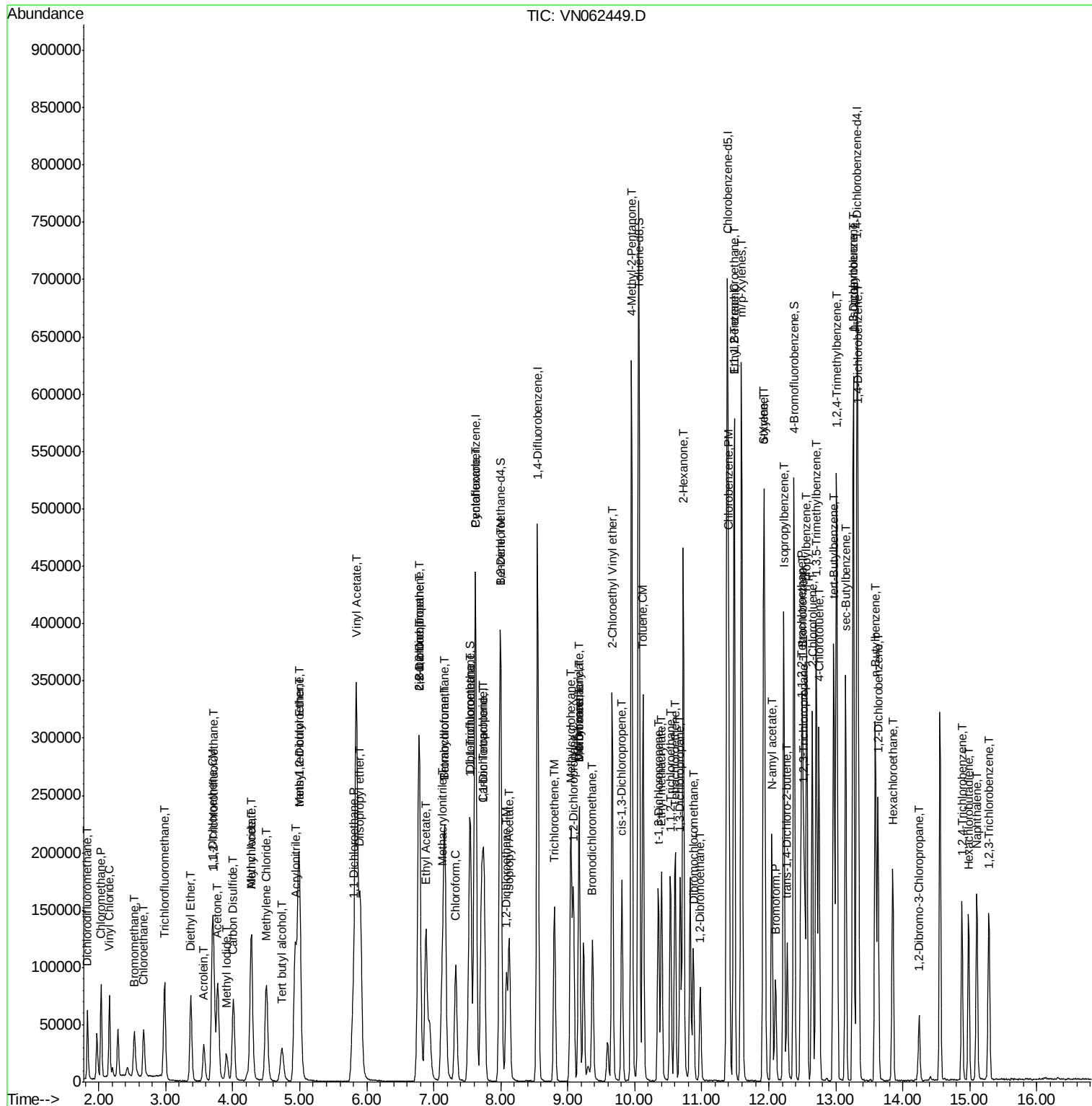
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	45317	21.250	ug/l	98
94) Hexachlorobutadiene	14.98	225	26378	20.859	ug/l	98
95) Naphthalene	15.10	128	136028	23.481	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	48801	21.024	ug/l	97

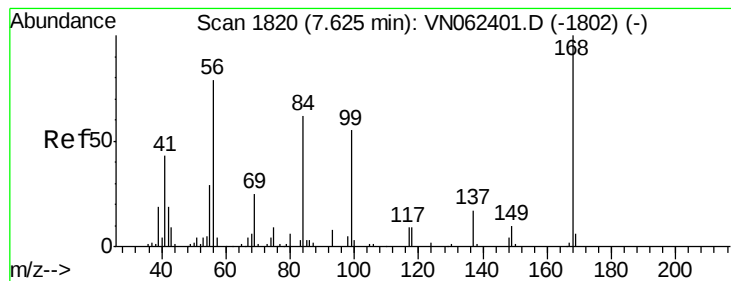
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0709WBS01
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Quant Title : SW846 8260
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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: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

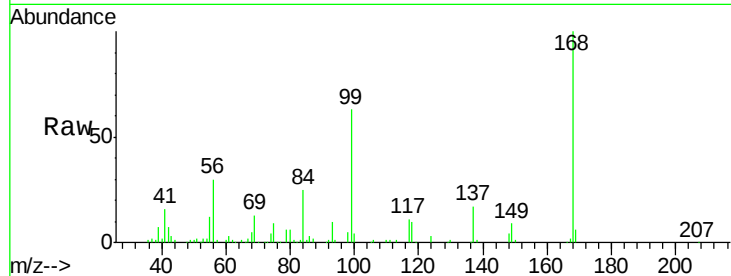
VN0709WBS01

Tgt Ion:168 Resp: 238409

Ion Ratio Lower Upper

168 100

99 63.1 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

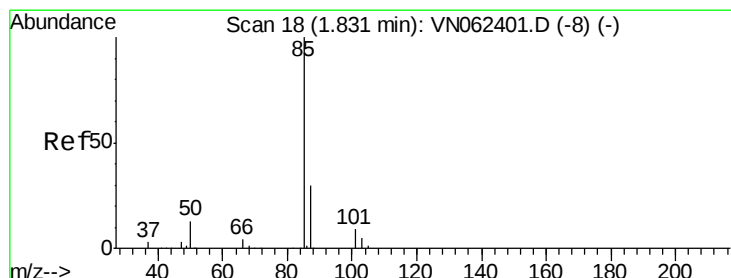
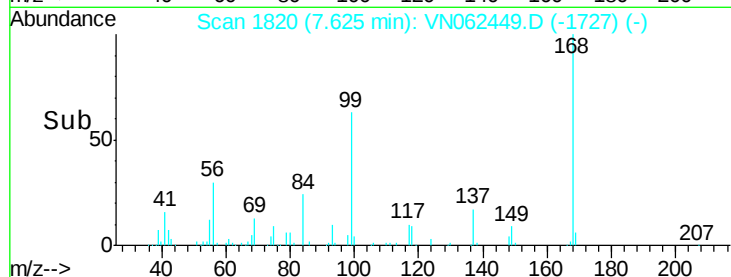
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 19.021 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062449.D

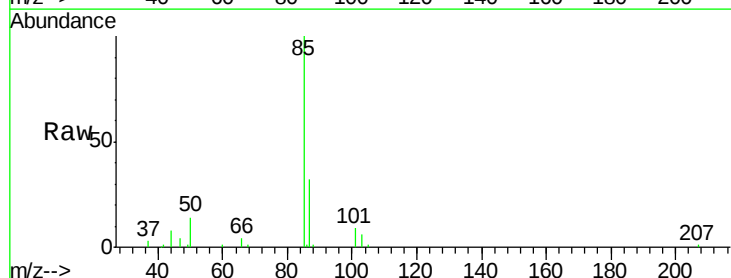
Acq: 9 Jul 2020 11:51

Tgt Ion: 85 Resp: 46192

Ion Ratio Lower Upper

85 100

87 32.5 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

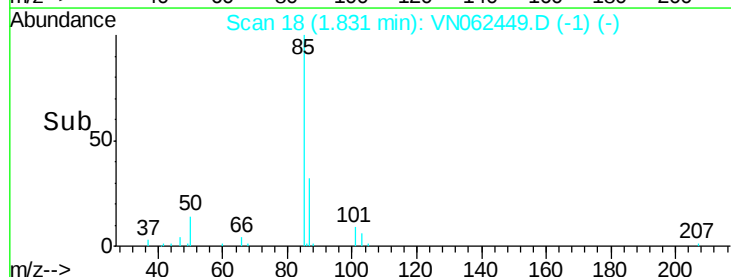
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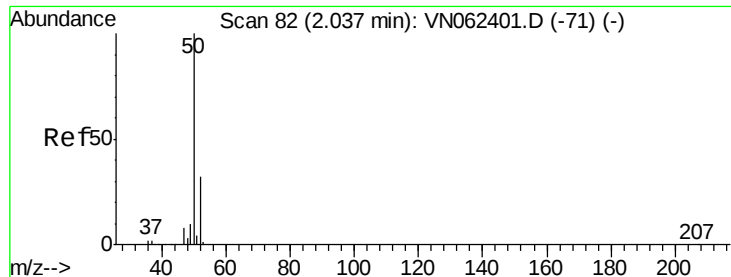
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.001 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

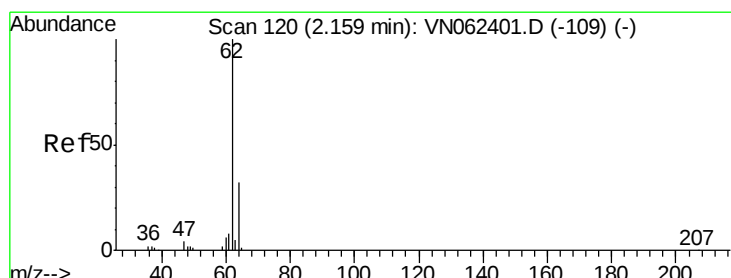
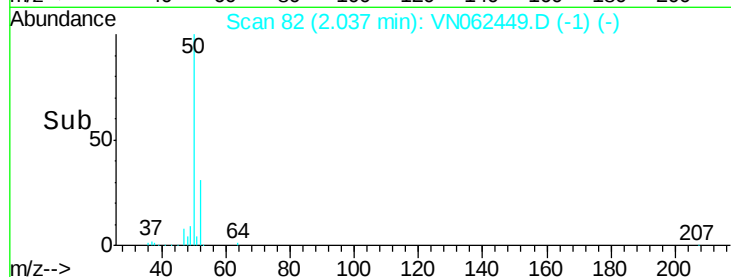
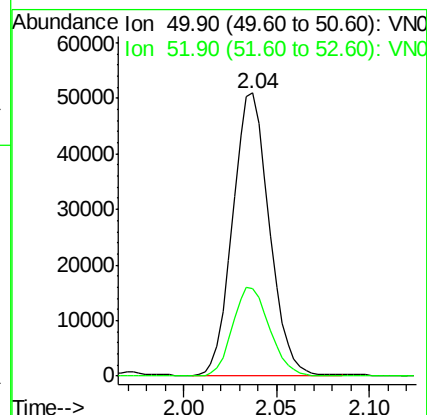
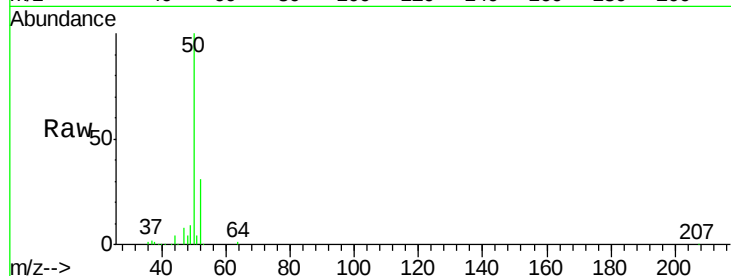
VN0709WBS01

Tgt Ion: 50 Resp: 70143

Ion Ratio Lower Upper

50 100

52 31.2 25.5 38.3



#4

Vinyl Chloride

Concen: 19.887 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062449.D

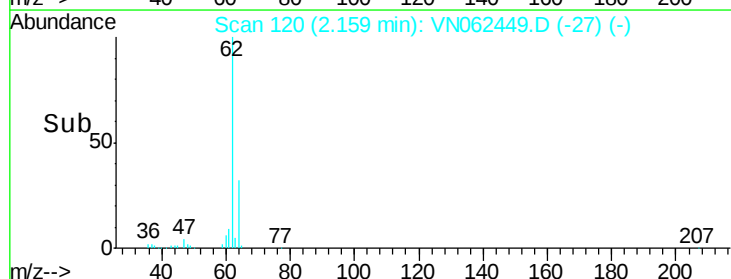
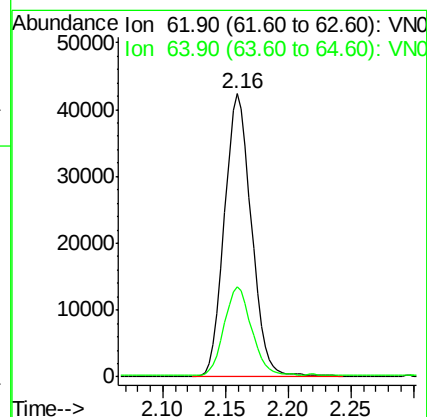
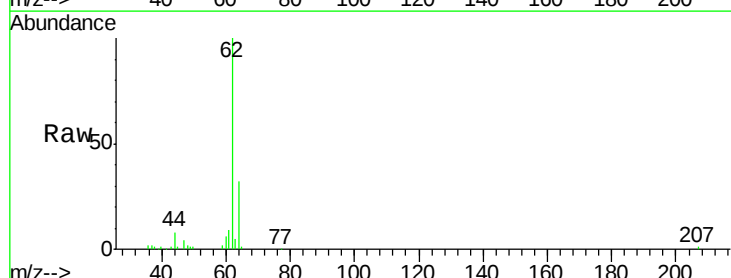
Acq: 9 Jul 2020 11:51

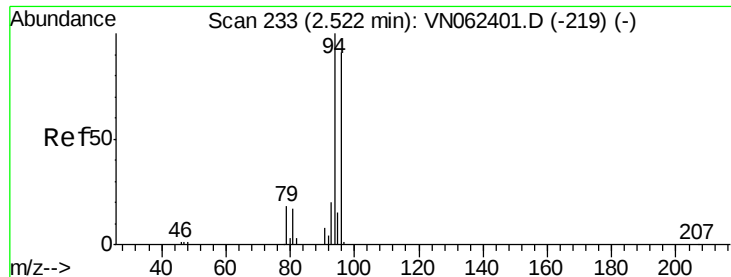
Tgt Ion: 62 Resp: 63486

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 16.163 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

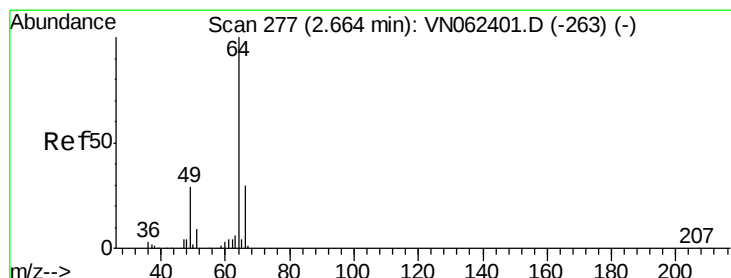
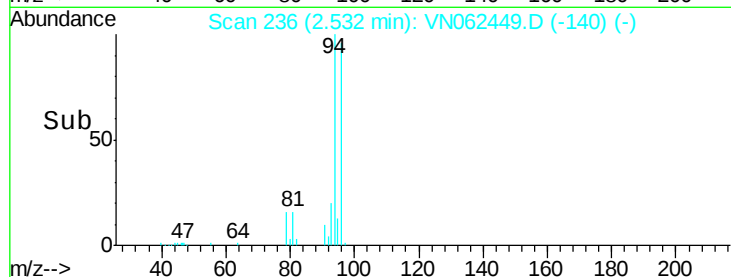
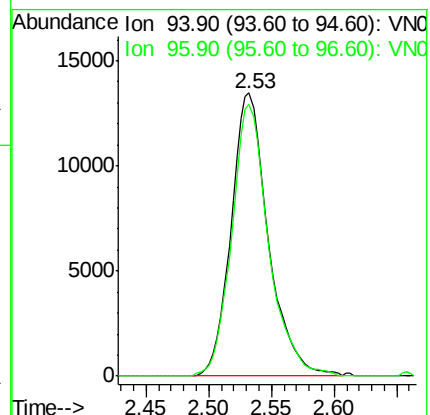
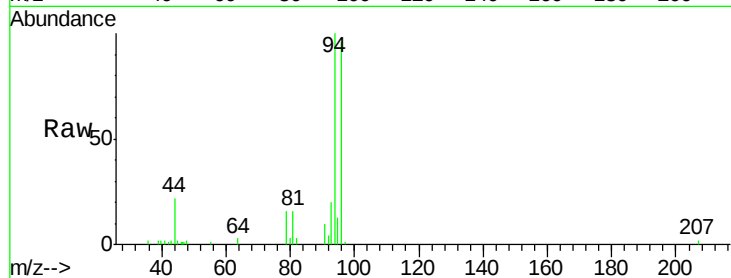
VN0709WBS01

Tgt Ion: 94 Resp: 27712

Ion Ratio Lower Upper

94 100

96 95.9 73.2 109.8



#6

Chloroethane

Concen: 20.400 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062449.D

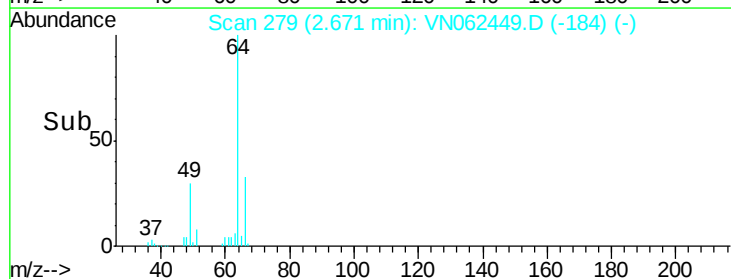
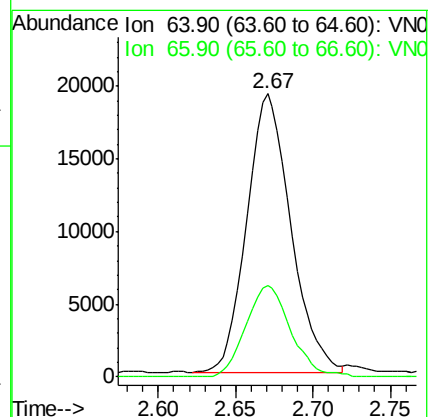
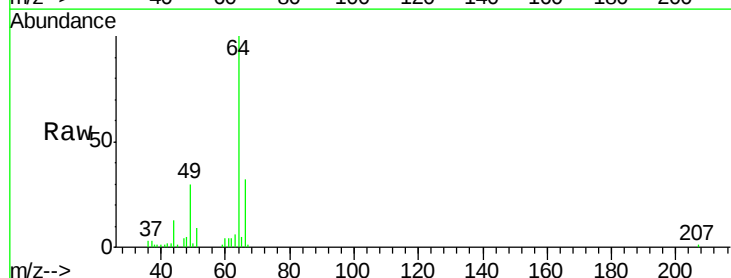
Acq: 9 Jul 2020 11:51

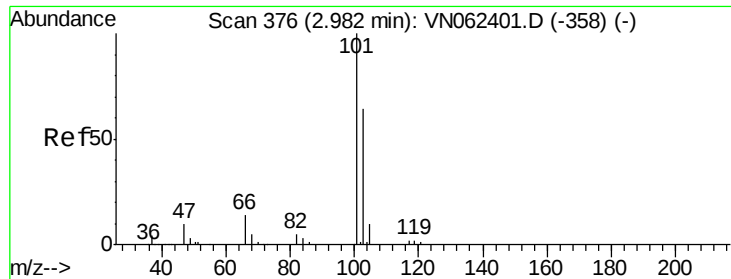
Tgt Ion: 64 Resp: 37931

Ion Ratio Lower Upper

64 100

66 32.7 24.2 36.2



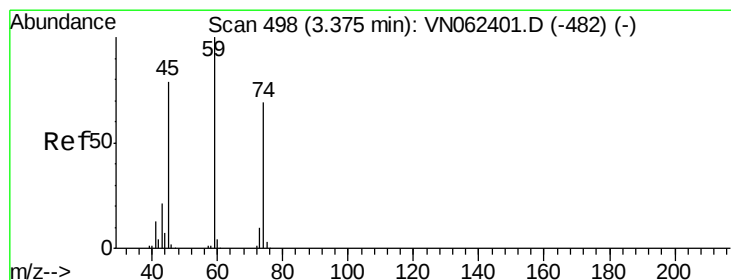
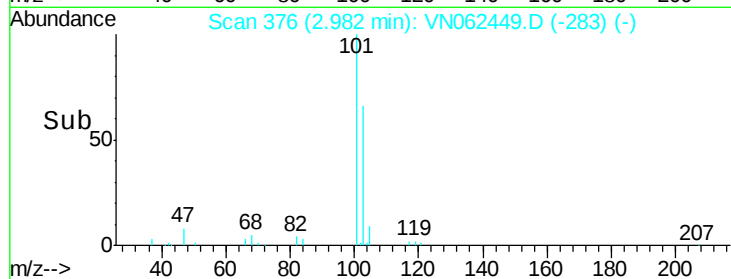
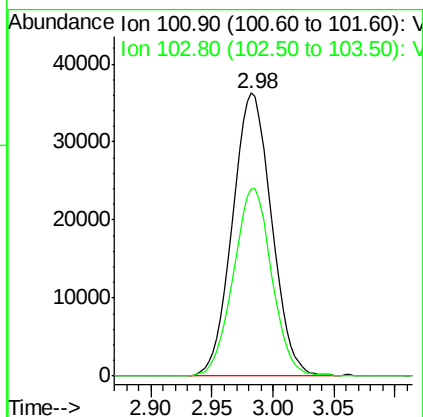
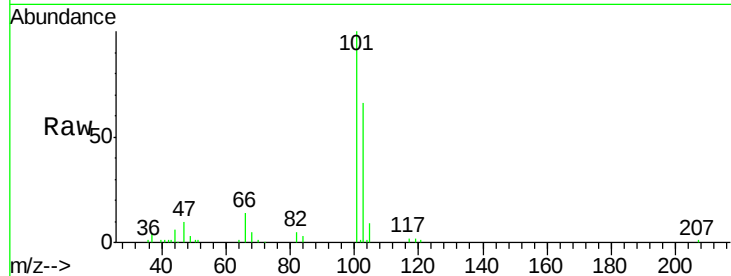


#7

Trichlorofluoromethane
 Concen: 19.906 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
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 VN0709WBS01

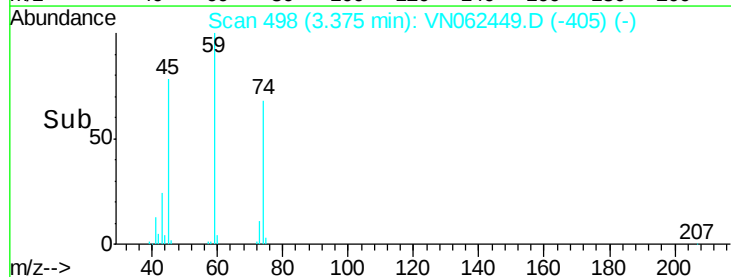
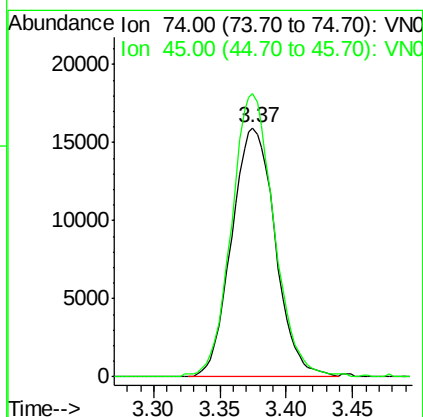
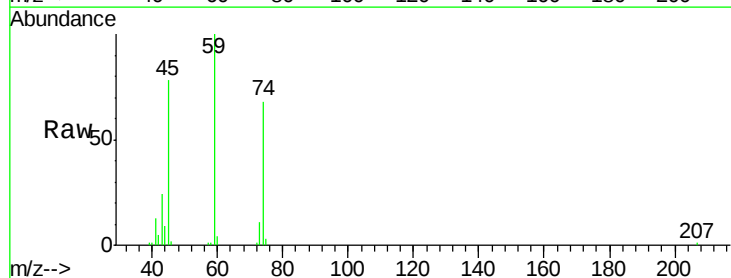
Tgt Ion: 101 Resp: 80707
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.6 77.4

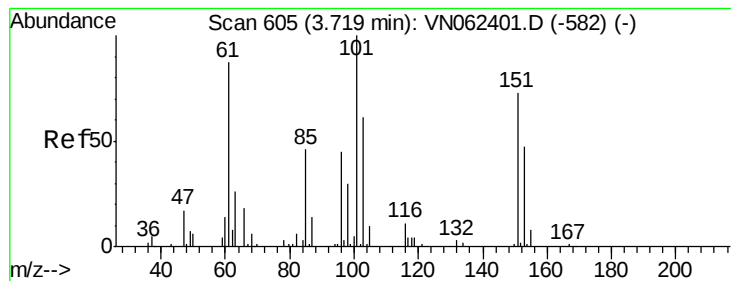


#8

Diethyl Ether
 Concen: 20.105 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 74 Resp: 36449
 Ion Ratio Lower Upper
 74 100
 45 110.7 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.746 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

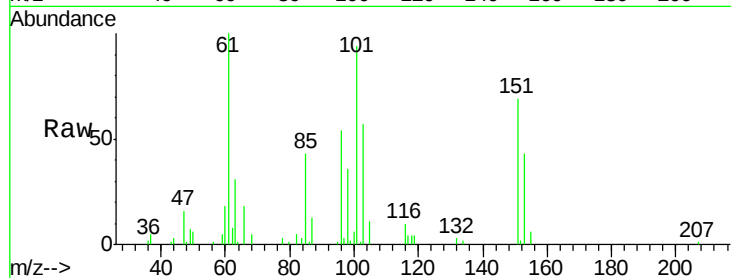
Tgt Ion:101 Resp: 49862

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

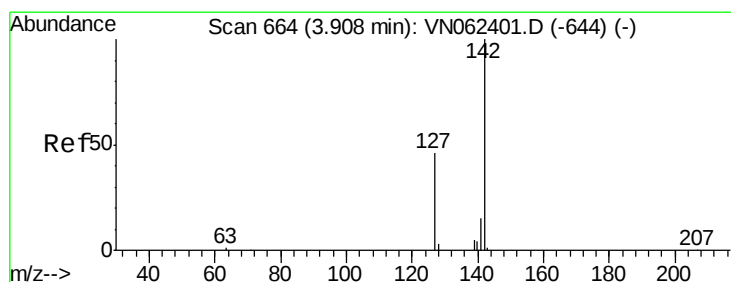
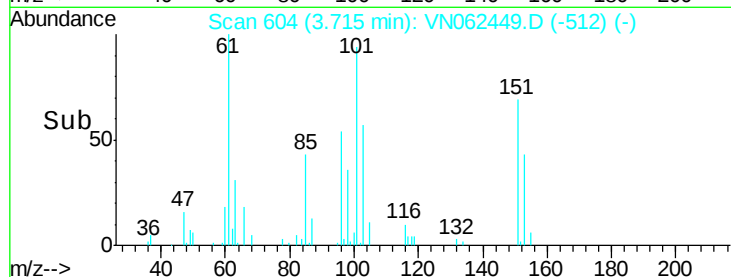
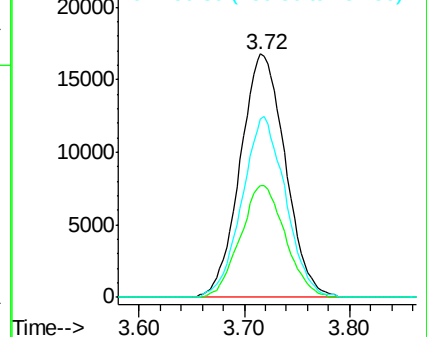
151 71.7 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.741 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

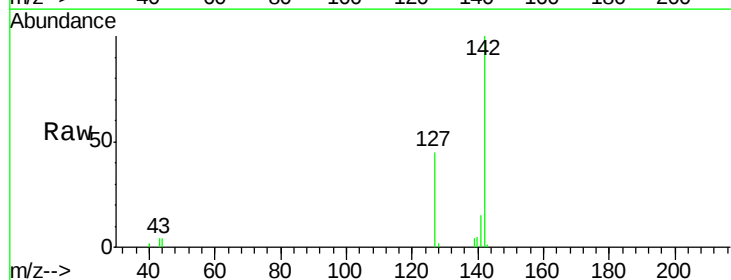
Tgt Ion:142 Resp: 37261

Ion Ratio Lower Upper

142 100

127 44.7 36.1 54.1

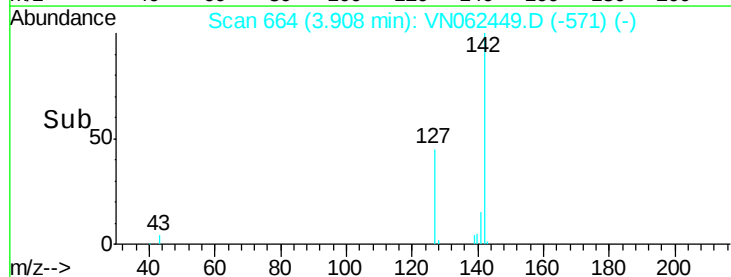
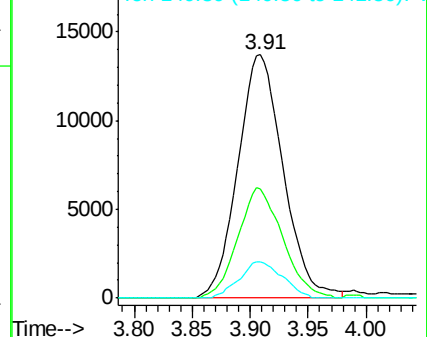
141 14.2 11.4 17.0

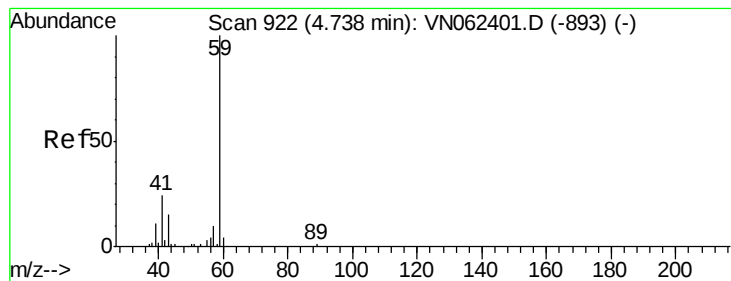


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



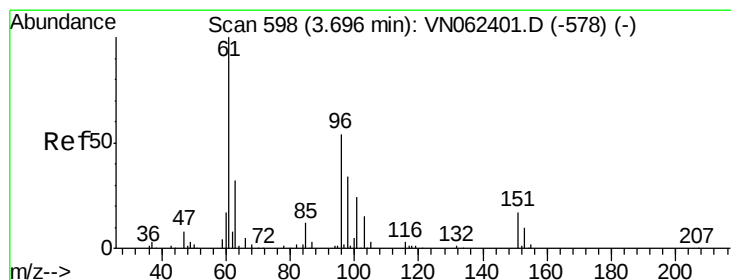
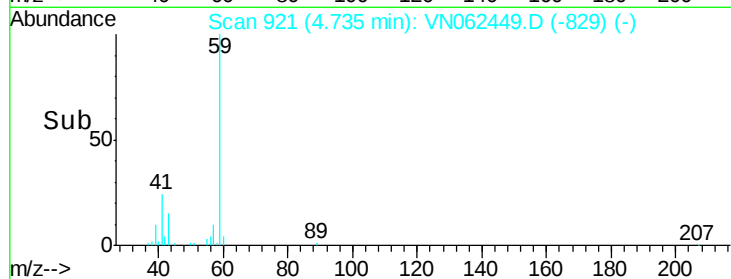
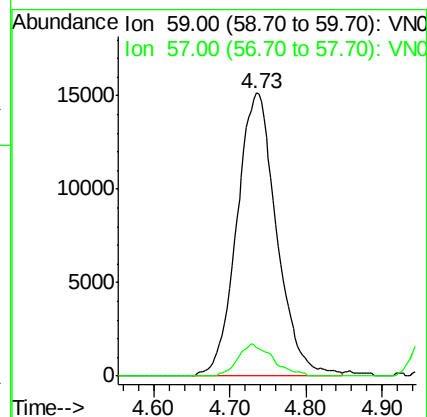
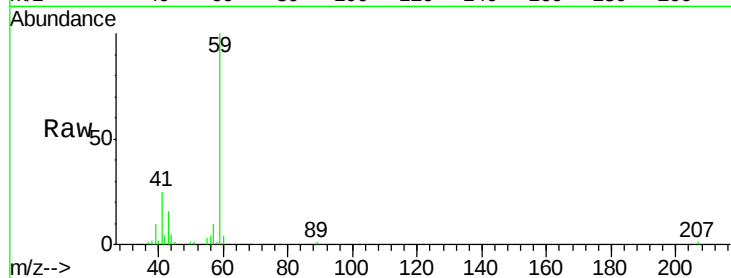


#11

Tert butyl alcohol
 Concen: 90.646 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

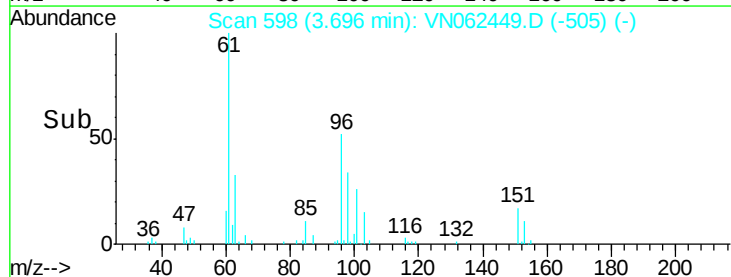
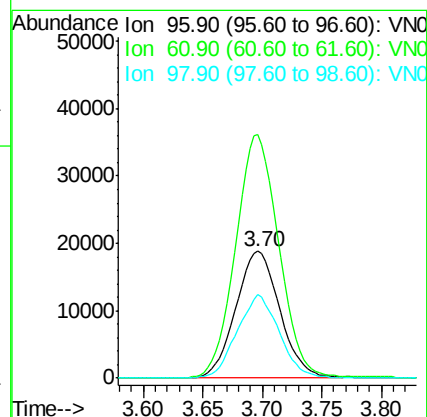
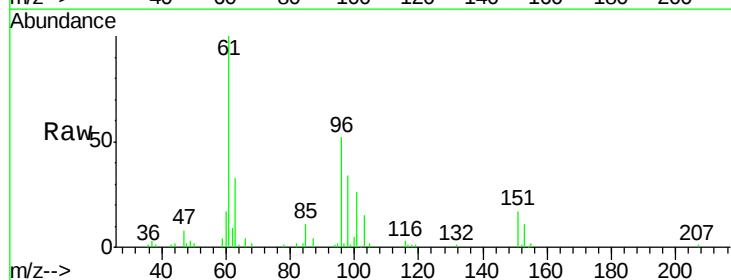
Tgt Ion: 59 Resp: 55140
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.6

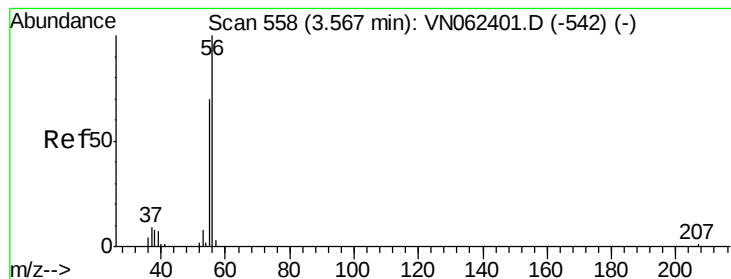


#12

1,1-Dichloroethene
 Concen: 19.771 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 96 Resp: 48381
 Ion Ratio Lower Upper
 96 100
 61 191.3 147.4 221.0
 98 65.6 50.4 75.6





#13

Acrolein

Concen: 82.630 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

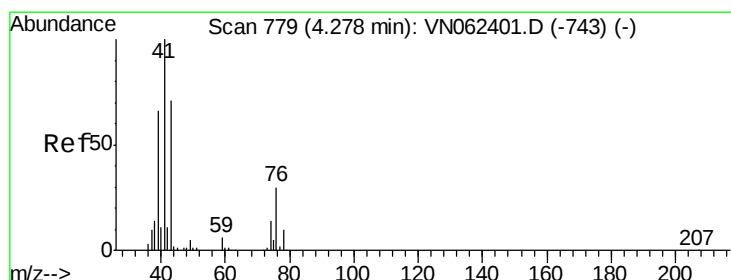
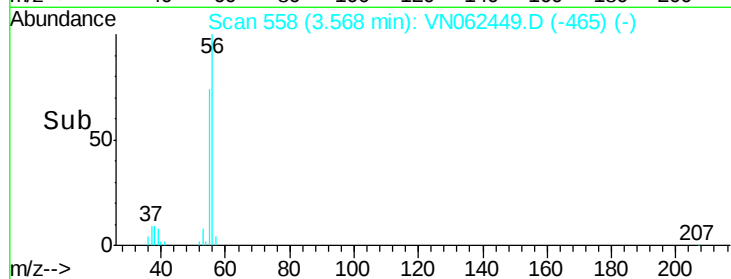
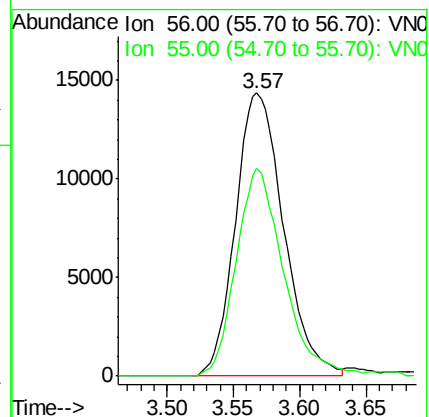
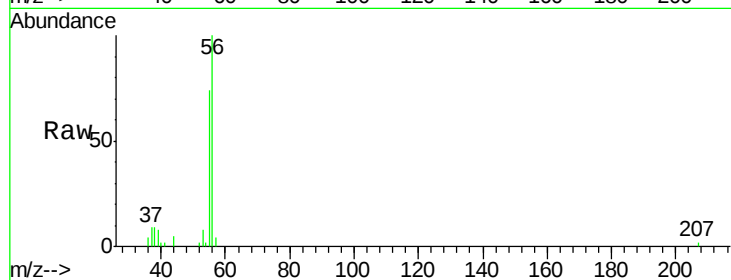
VN0709WBS01

Tgt Ion: 56 Resp: 36259

Ion Ratio Lower Upper

56 100

55 72.1 57.2 85.8



#14

Allyl chloride

Concen: 18.394 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

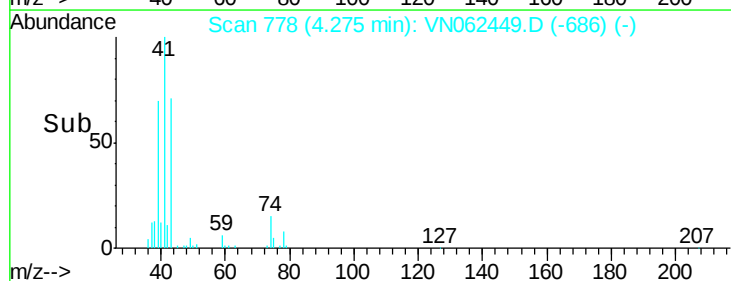
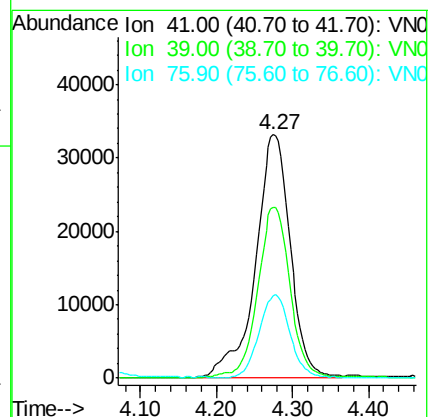
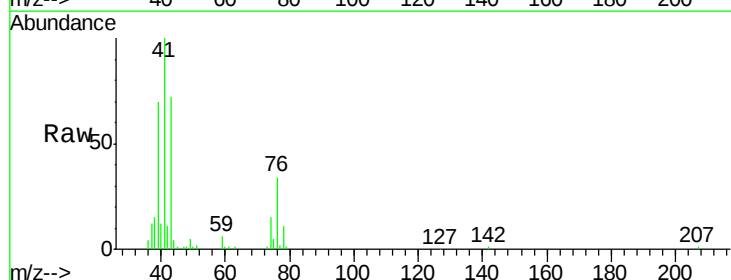
Tgt Ion: 41 Resp: 105860

Ion Ratio Lower Upper

41 100

39 65.3 49.6 74.4

76 30.4 22.2 33.4





#15

Acrylonitrile

Concen: 98.378 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

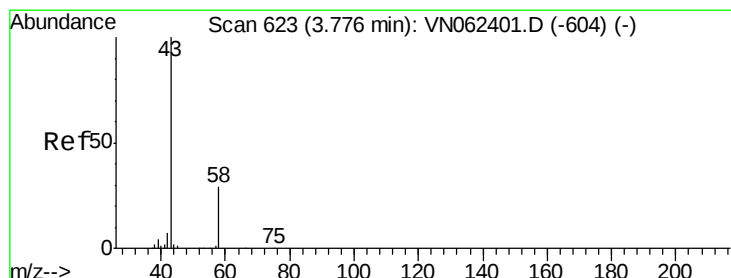
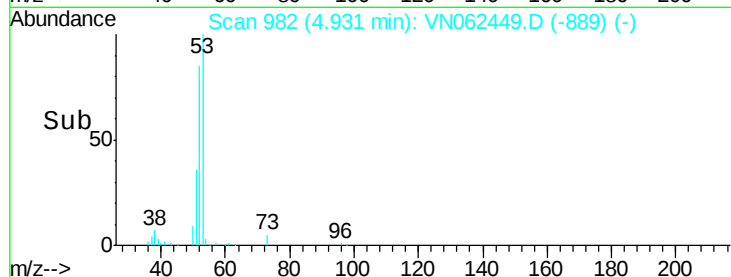
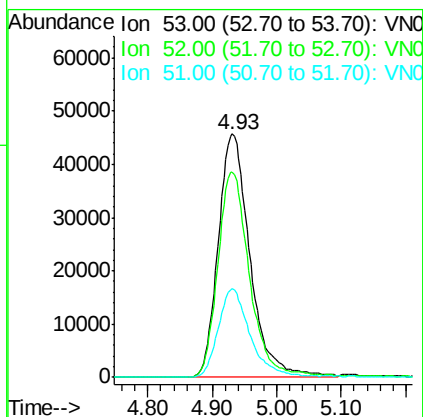
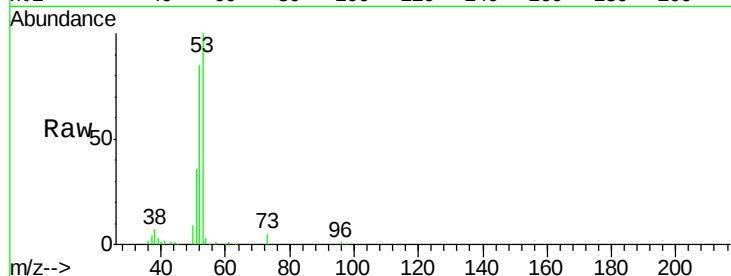
Tgt Ion: 53 Resp: 156949

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.4

51 36.5 28.7 43.1



#16

Acetone

Concen: 90.754 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062449.D

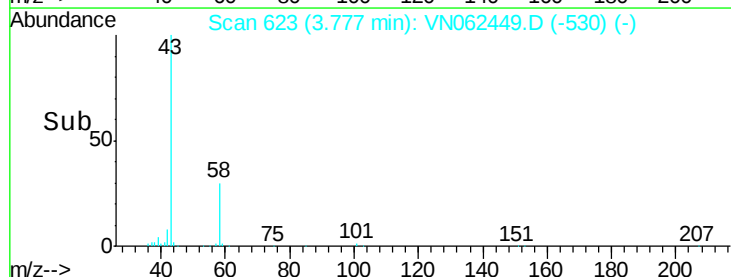
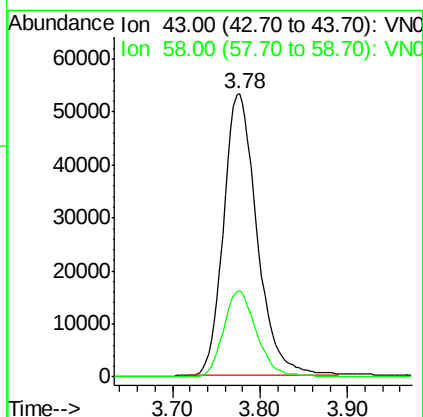
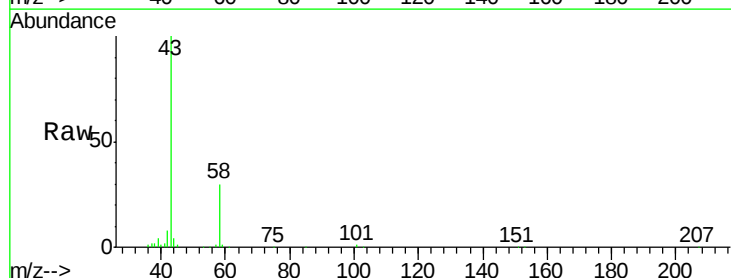
Acq: 9 Jul 2020 11:51

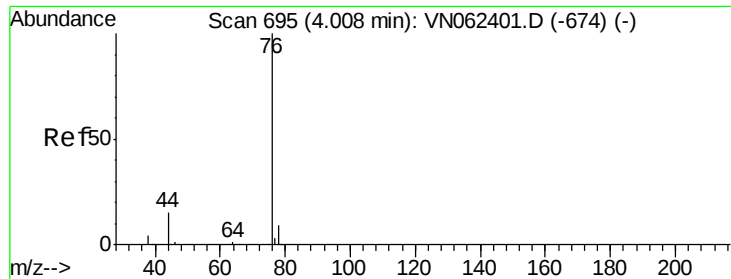
Tgt Ion: 43 Resp: 141291

Ion Ratio Lower Upper

43 100

58 30.4 23.5 35.3

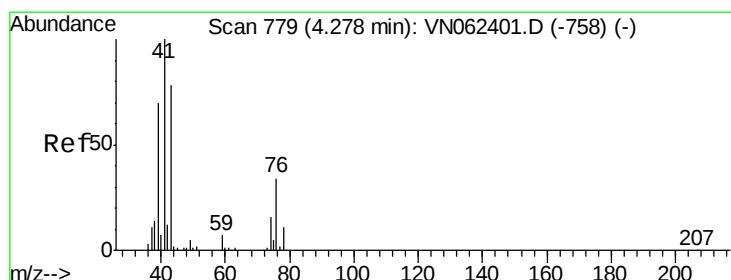
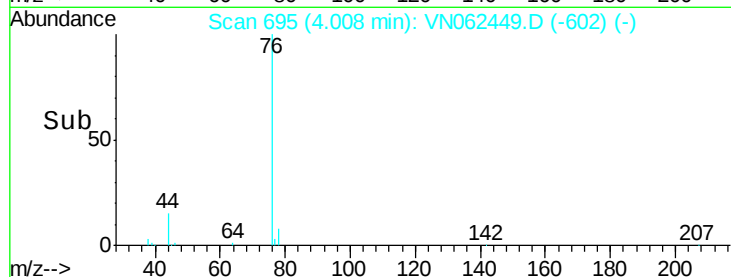
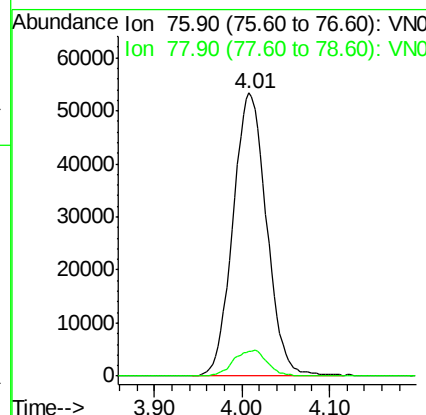
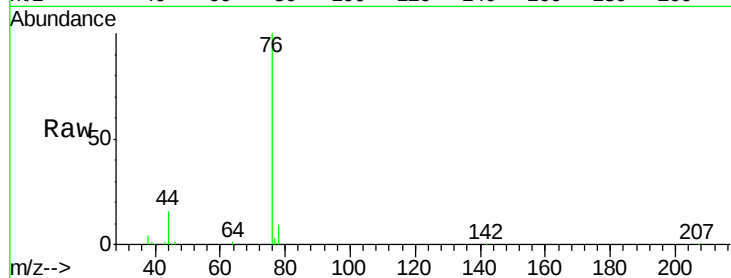




#17
Carbon Disulfide
Concen: 18.583 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

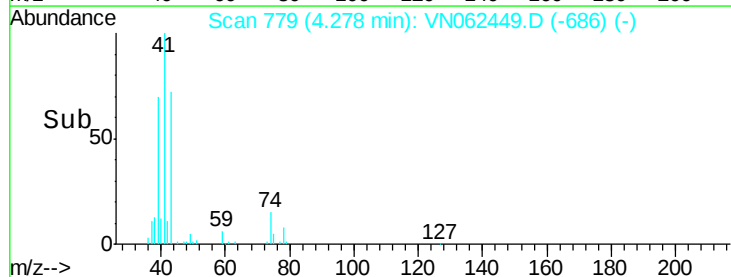
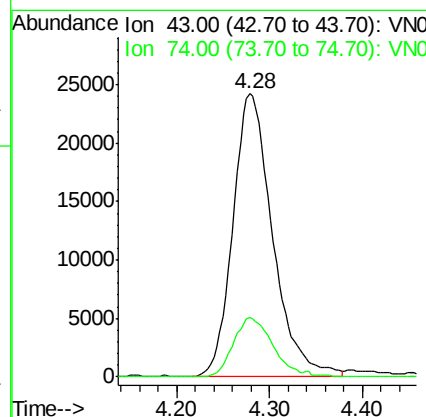
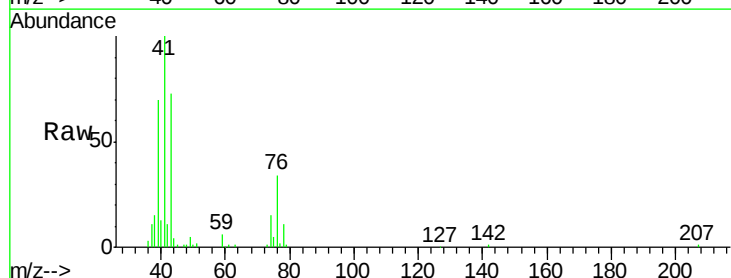
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

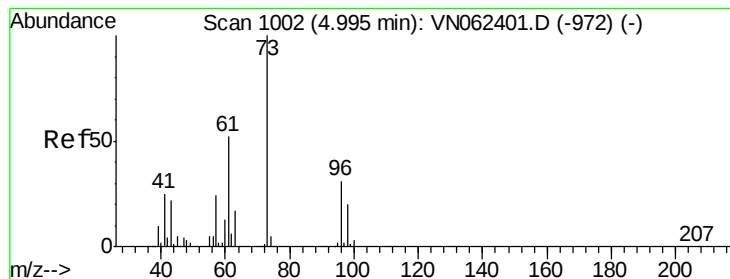
Tgt Ion: 76 Resp: 142491
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 18.533 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 43 Resp: 72005
Ion Ratio Lower Upper
43 100
74 20.3 16.0 24.0





#19

Methyl tert-butyl Ether

Concen: 20.279 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

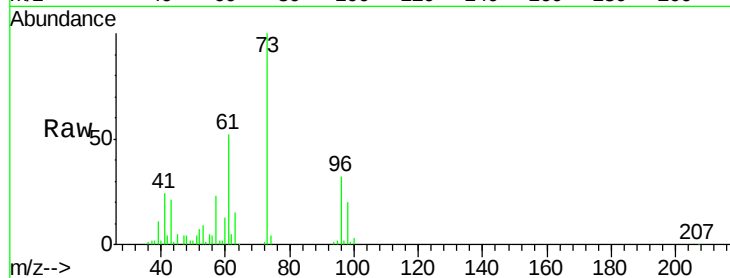
VN0709WBS01

Tgt Ion: 73 Resp: 188138

Ion Ratio Lower Upper

73 100

57 23.4 19.4 29.0



Abundance Ion 73.00 (72.70 to 73.70): VN062401.D (-972) (-)

Ion 57.00 (56.70 to 57.70): VN062401.D (-972) (-)

4.99

50000

40000

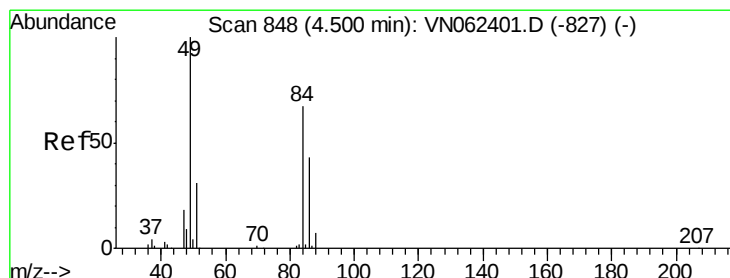
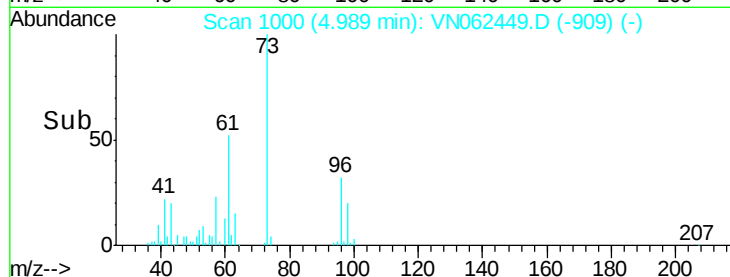
30000

20000

10000

0

Time--> 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 17.865 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion: 84 Resp: 59469

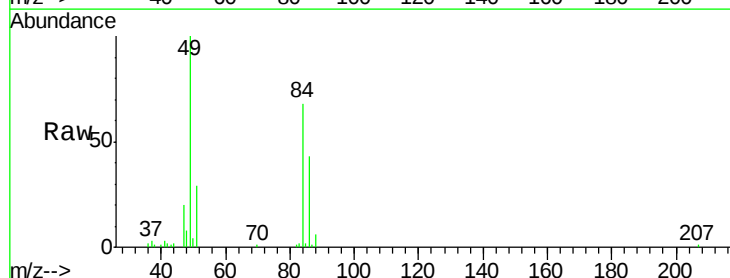
Ion Ratio Lower Upper

84 100

49 145.5 120.0 180.0

51 42.6 37.0 55.6

86 62.4 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN062401.D (-827) (-)

Ion 48.90 (48.60 to 49.60): VN062401.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN062401.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN062401.D (-827) (-)

4.50

40000

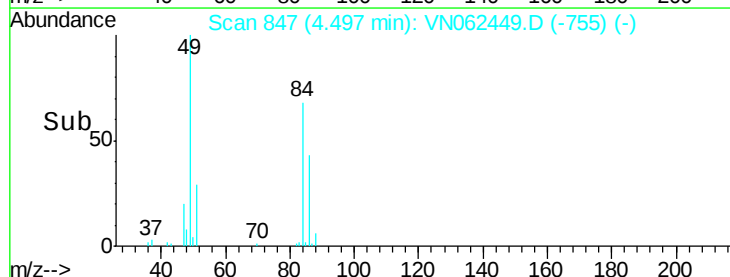
30000

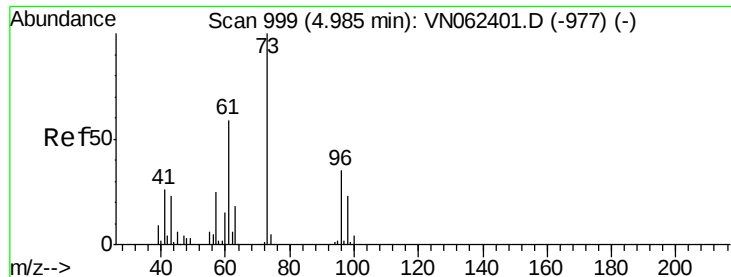
20000

10000

0

Time--> 4.40 4.50 4.60





#21

trans-1,2-Dichloroethene

Concen: 19.455 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

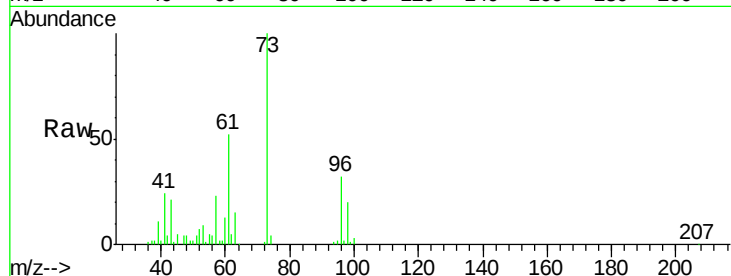
Tgt Ion: 96 Resp: 51576

Ion Ratio Lower Upper

96 100

61 162.8 133.5 200.3

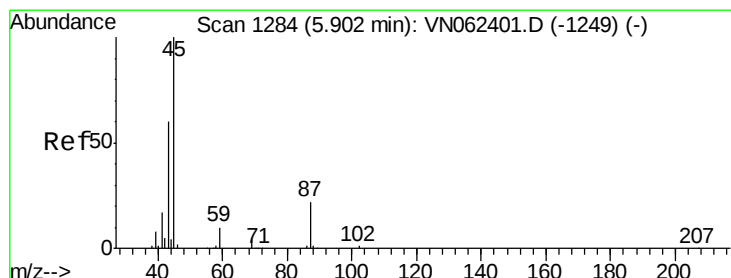
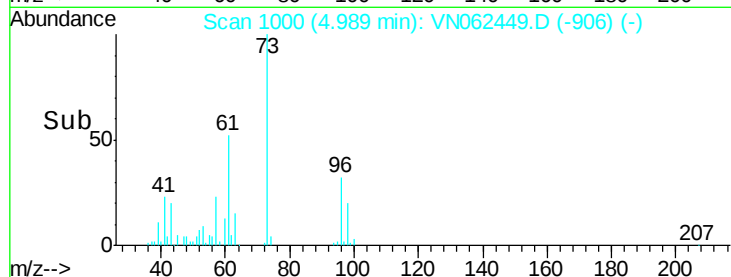
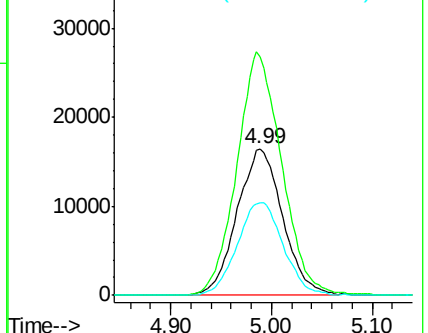
98 63.2 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VN062449.D (-1000) (-)

Ion 60.90 (60.60 to 61.60): VN062449.D (-1000) (-)

Ion 97.90 (97.60 to 98.60): VN062449.D (-1000) (-)



#22

Diisopropyl ether

Concen: 19.431 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion: 45 Resp: 220935

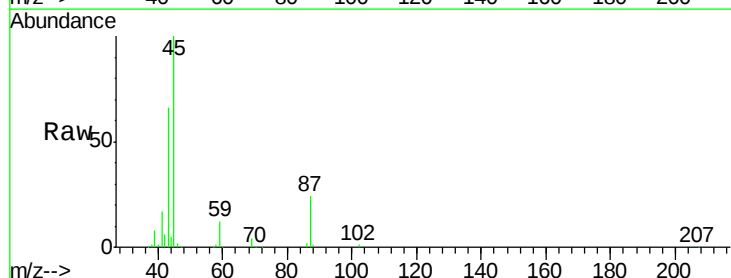
Ion Ratio Lower Upper

45 100

43 63.7 50.1 75.1

87 24.0 18.2 27.4

59 12.1 8.2 12.2

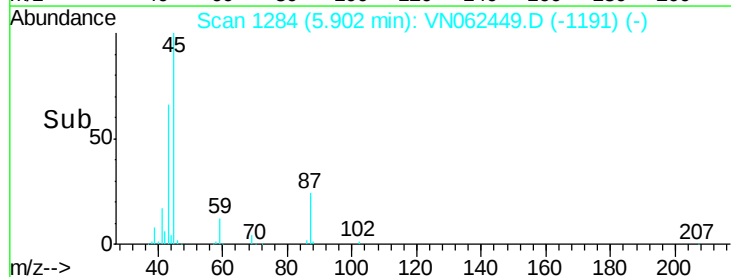
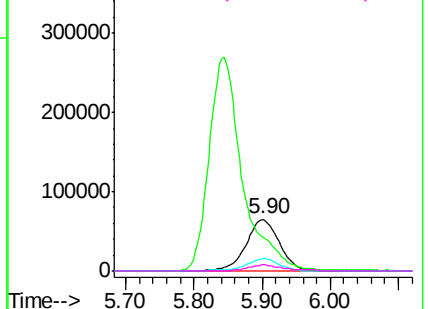


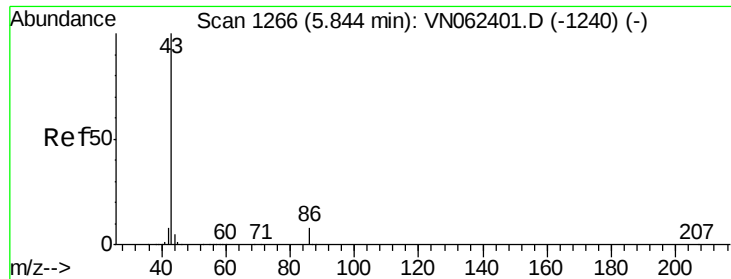
Abundance Ion 45.00 (44.70 to 45.70): VN062449.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062449.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062449.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062449.D (-1191) (-)

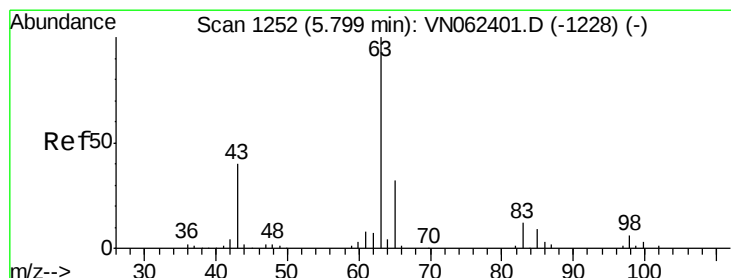
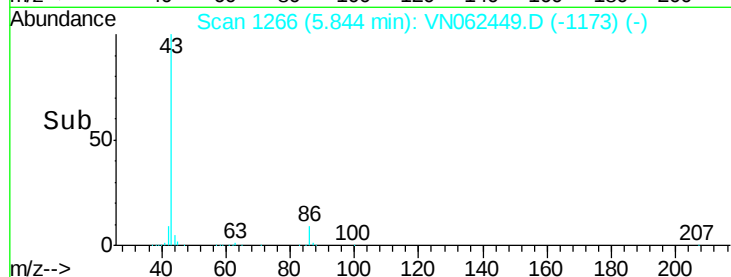
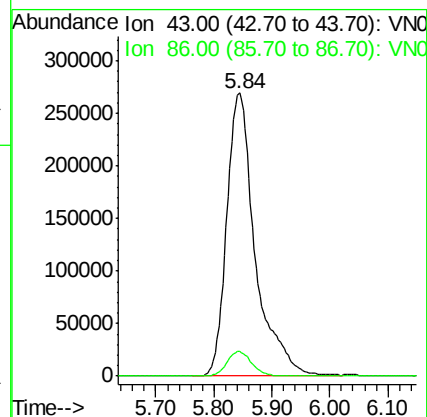
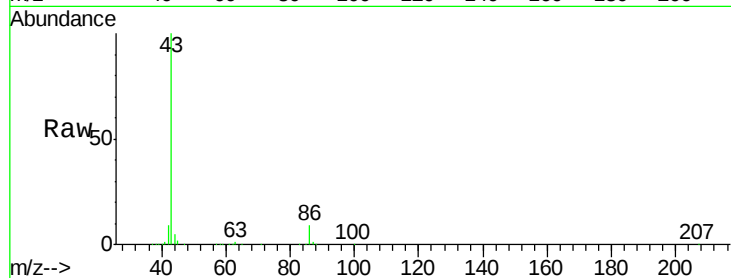




#23
 Vinyl Acetate
 Concen: 97.590 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

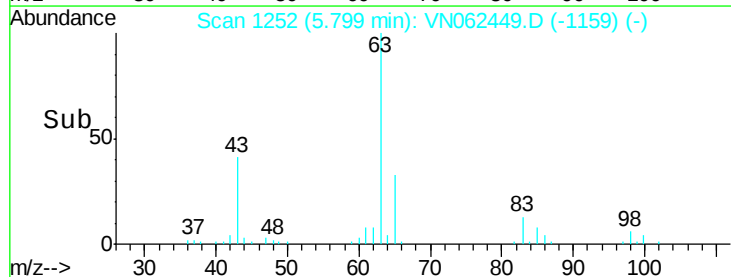
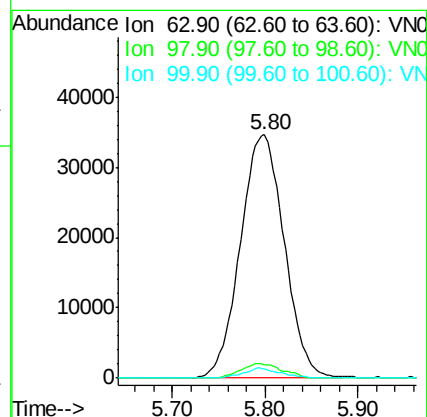
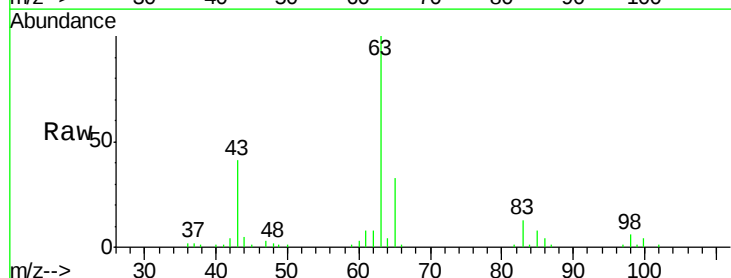
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

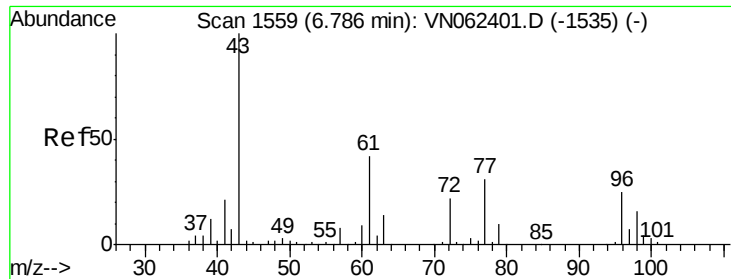
Tgt Ion: 43 Resp: 919196
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 19.352 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 63 Resp: 113701
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.8
 100 3.6 1.8 5.3

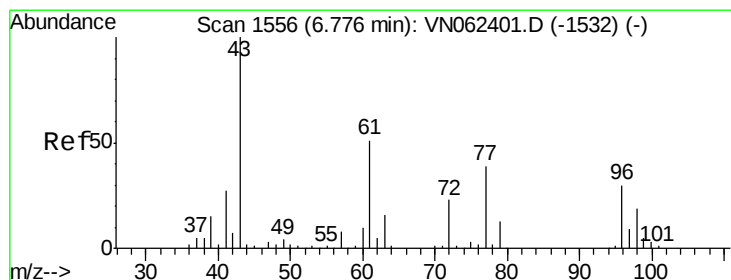
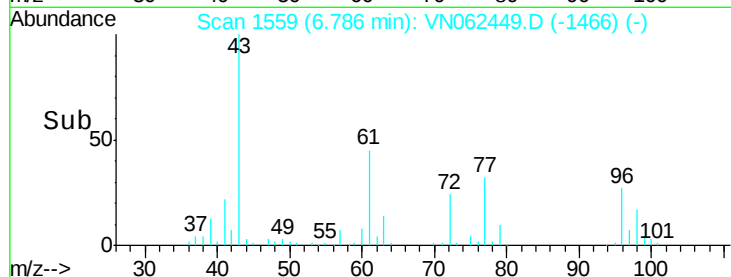
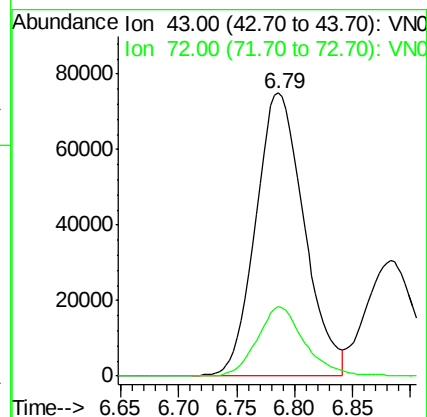
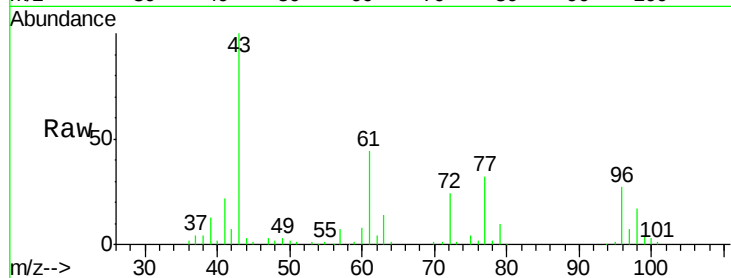




#25
2-Butanone
Concen: 95.986 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

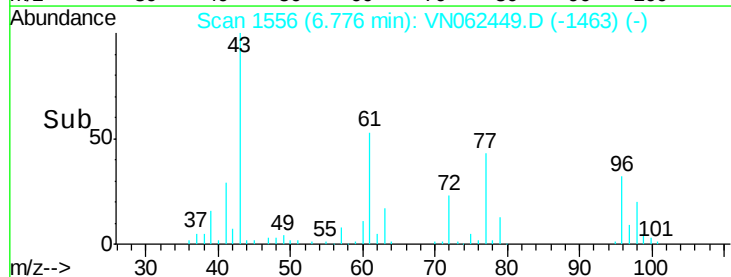
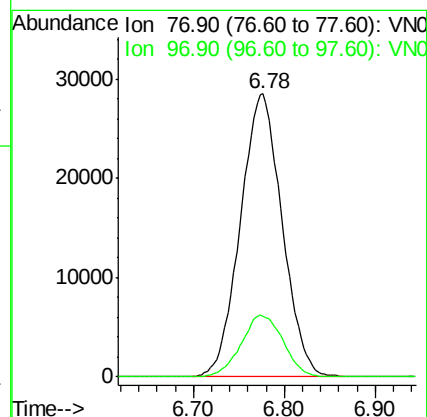
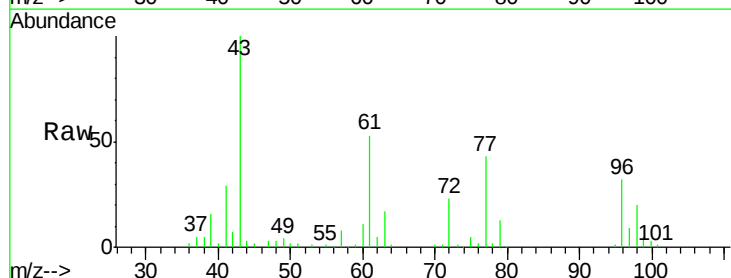
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

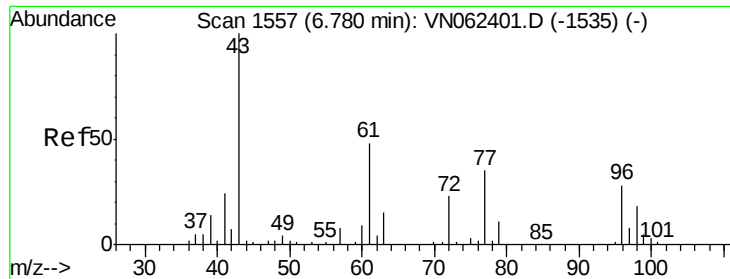
Tgt Ion: 43 Resp: 218243
Ion Ratio Lower Upper
43 100
72 24.4 17.9 26.9



#26
2,2-Dichloropropane
Concen: 20.186 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 77 Resp: 90939
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.9

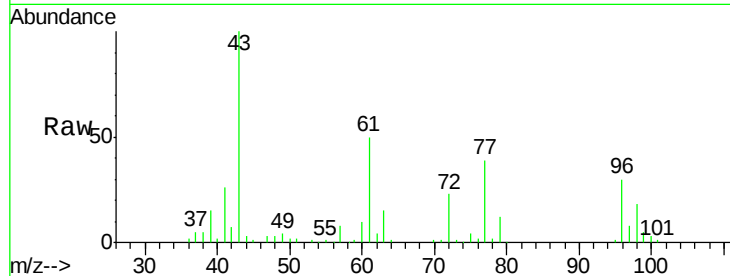




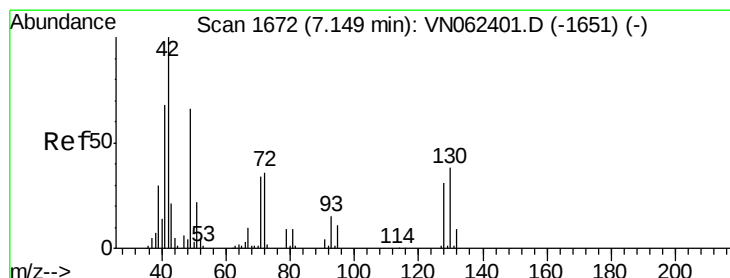
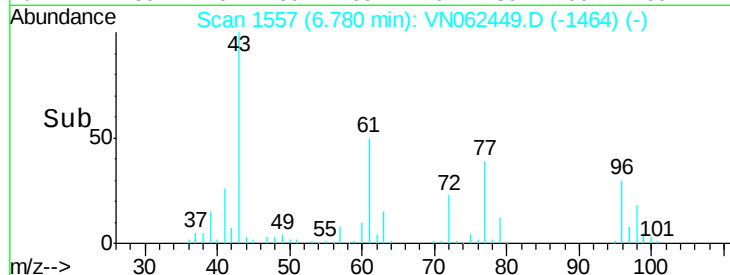
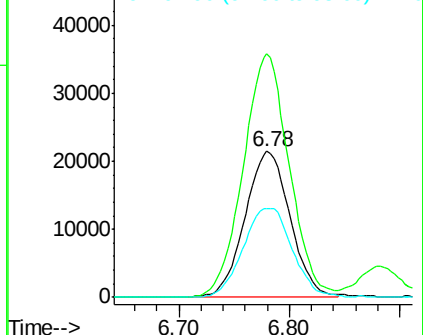
#27
 cis-1,2-Dichloroethene
 Concen: 19.843 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tgt Ion: 96 Resp: 60930
 Ion Ratio Lower Upper
 96 100
 61 169.3 0.0 343.4
 98 66.3 0.0 128.4

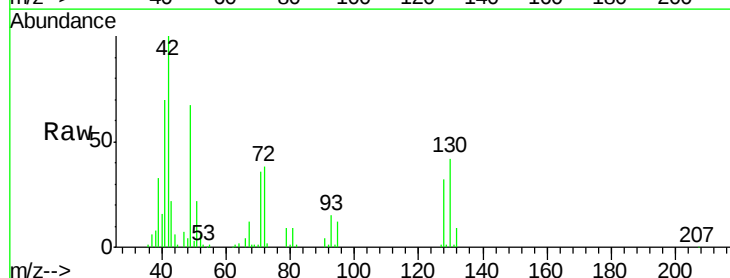


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

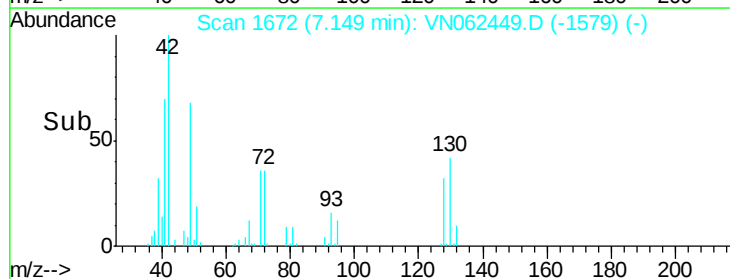
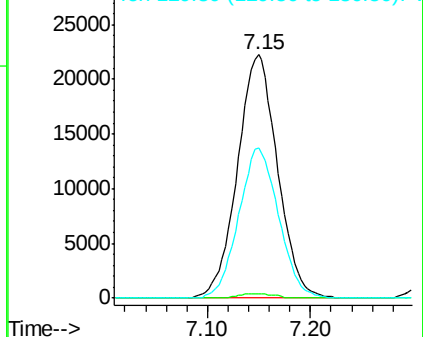


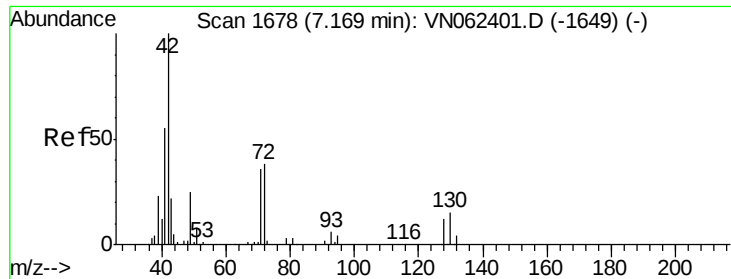
#28
 Bromochloromethane
 Concen: 18.791 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 49 Resp: 59982
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 2.8
 130 61.4 46.5 69.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

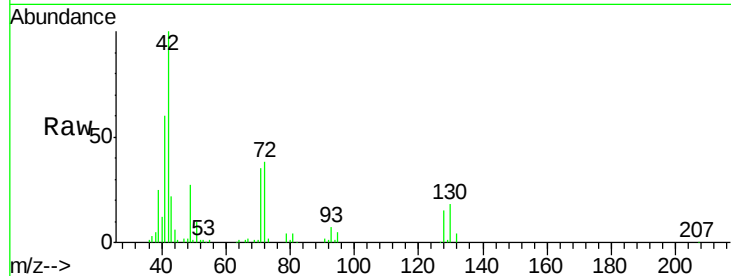




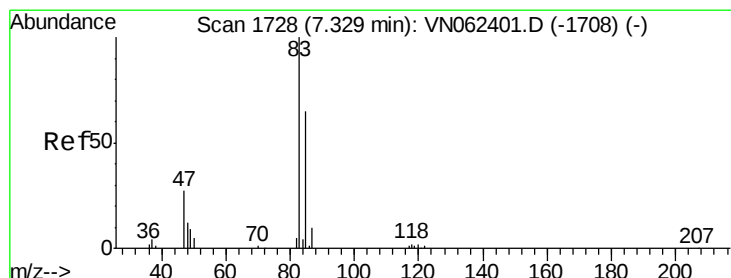
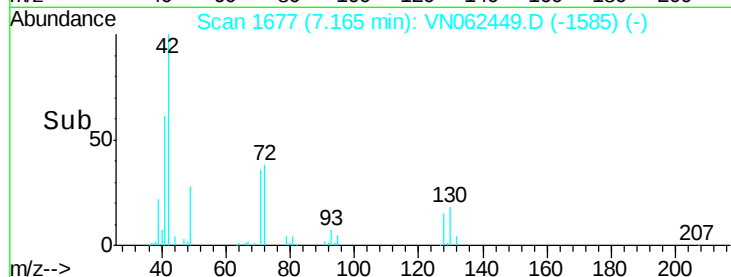
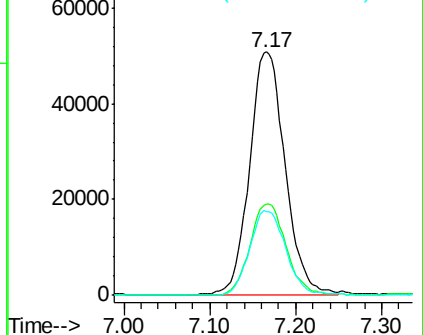
#29
Tetrahydrofuran
Concen: 96.007 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tgt Ion: 42 Resp: 146965
Ion Ratio Lower Upper
42 100
72 38.4 29.1 43.7
71 35.3 28.1 42.1

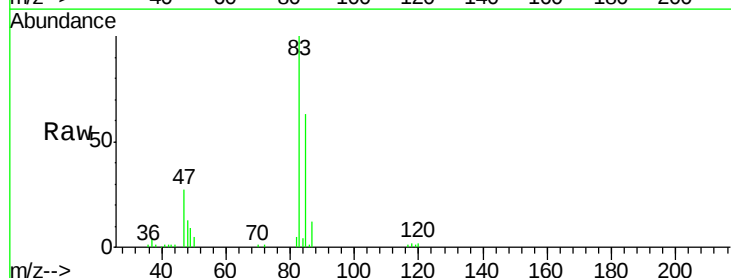


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

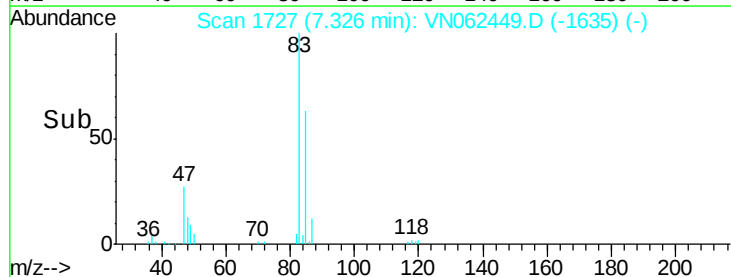
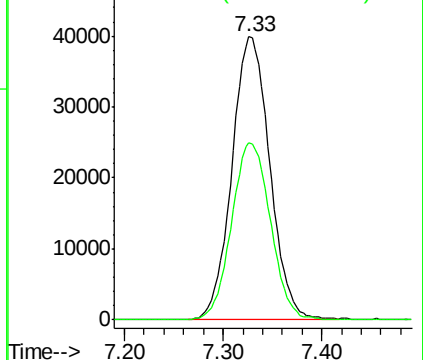


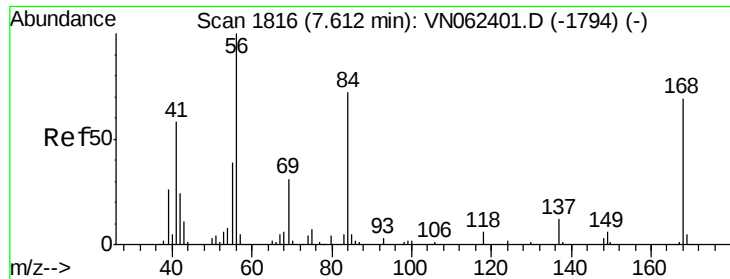
#30
Chloroform
Concen: 20.076 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 83 Resp: 106505
Ion Ratio Lower Upper
83 100
85 62.7 51.8 77.6



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

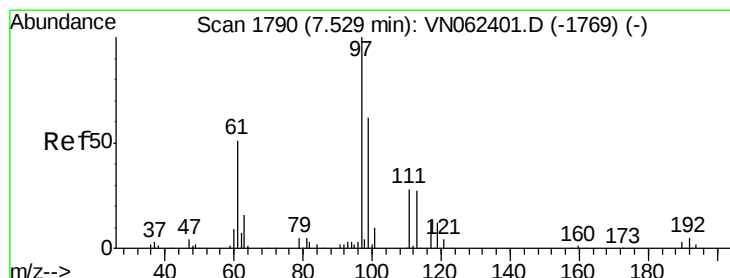
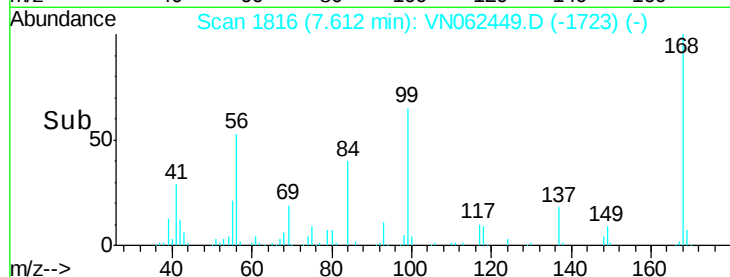
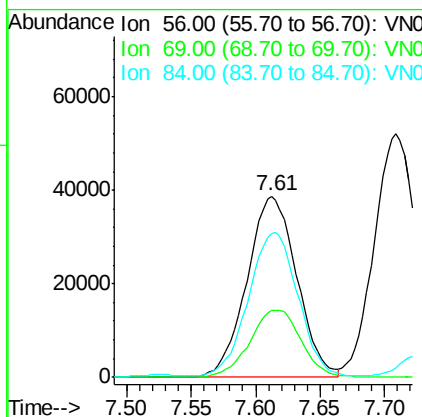
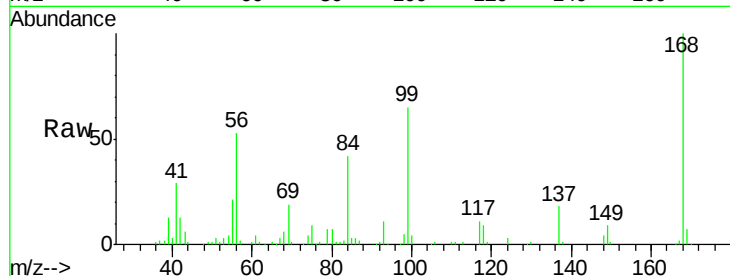




#31
Cyclohexane
Concen: 18.715 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

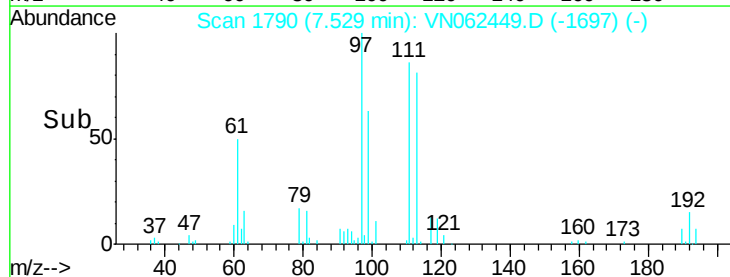
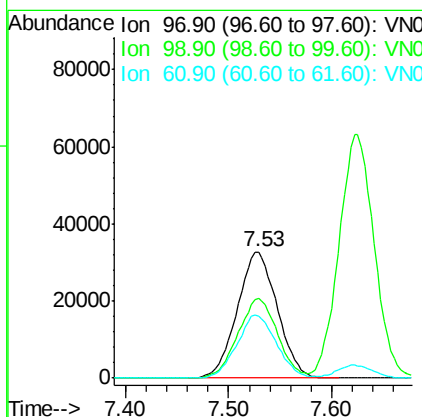
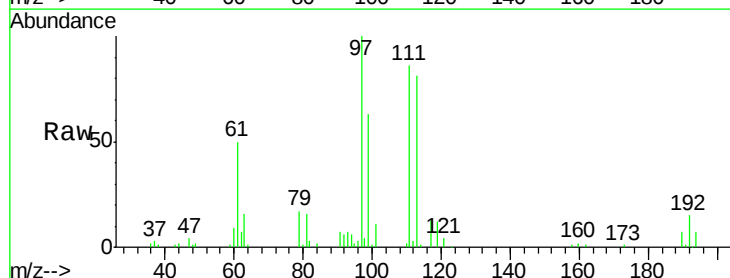
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

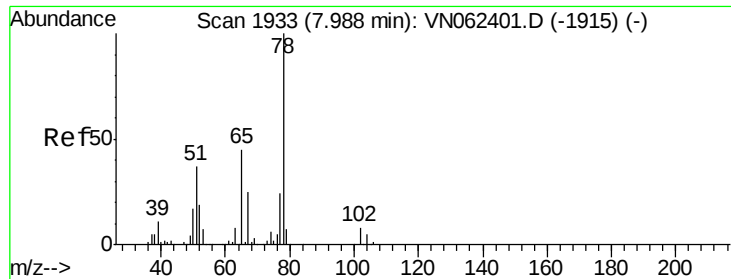
Tgt Ion: 56 Resp: 104240
Ion Ratio Lower Upper
56 100
69 36.8 24.5 36.7#
84 78.3 57.4 86.2



#32
1,1,1-Trichloroethane
Concen: 19.989 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 97 Resp: 88206
Ion Ratio Lower Upper
97 100
99 62.5 50.4 75.6
61 49.4 39.9 59.9

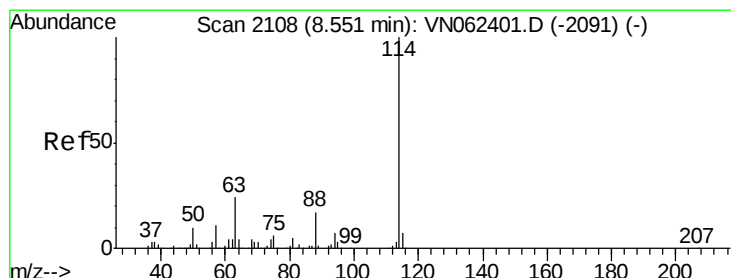
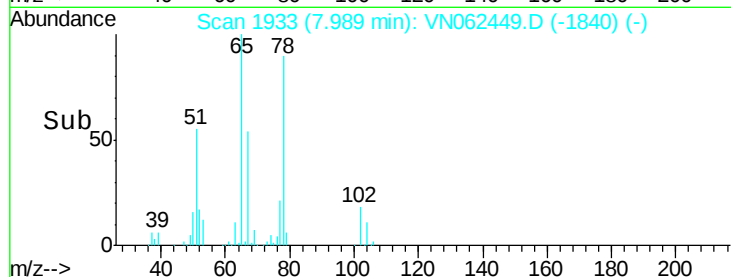
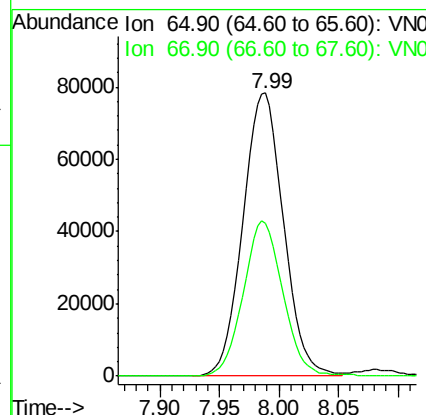
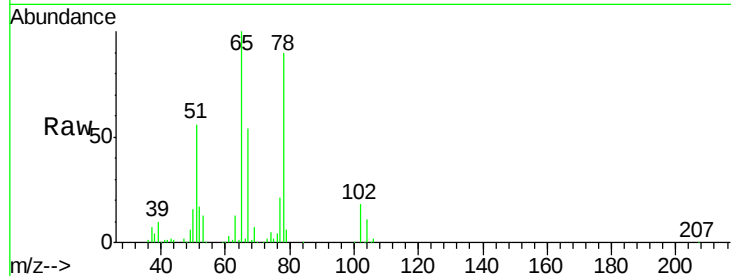




#33
 1,2-Dichloroethane-d4
 Concen: 50.424 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

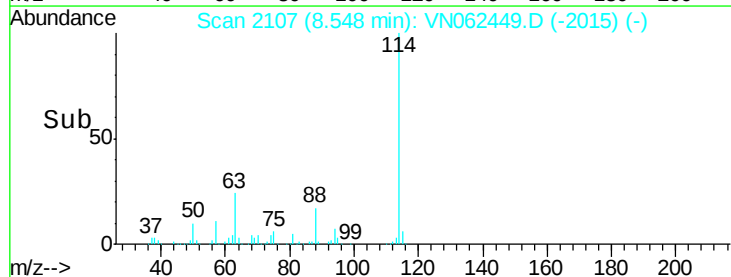
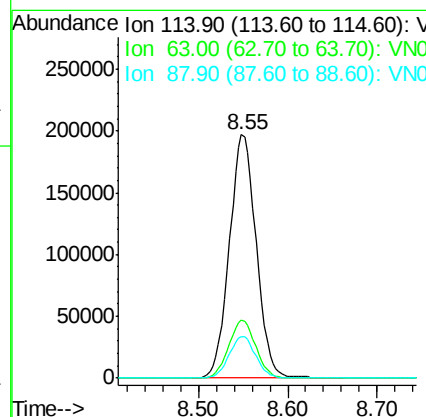
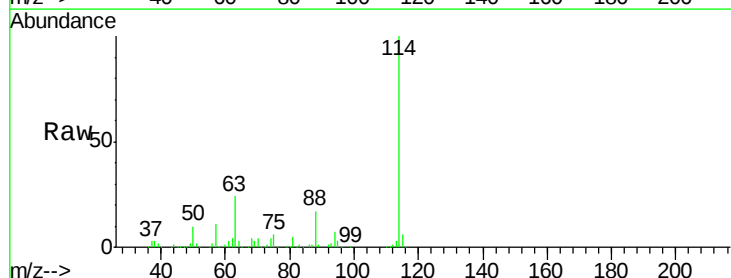
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

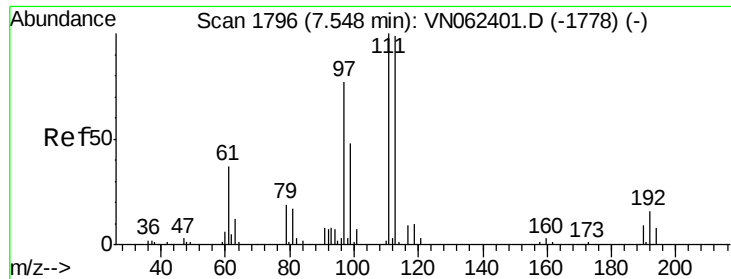
Tgt Ion: 65 Resp: 184908
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 114 Resp: 410877
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 48.4
 88 17.2 0.0 33.8

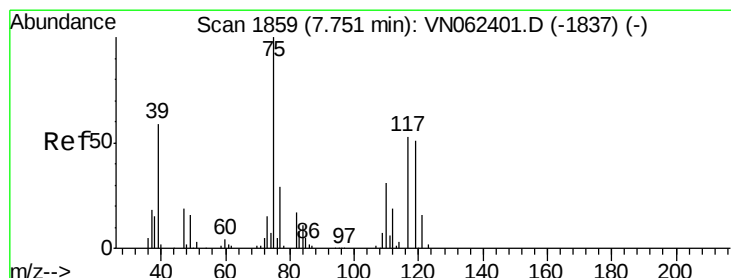
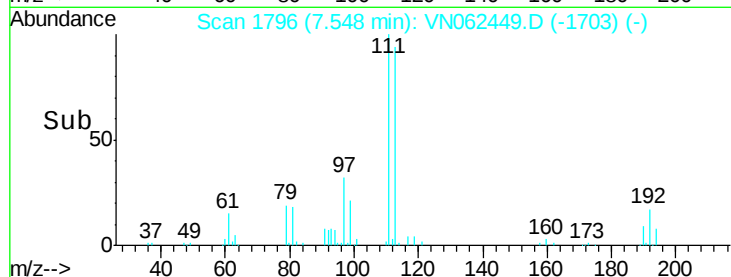
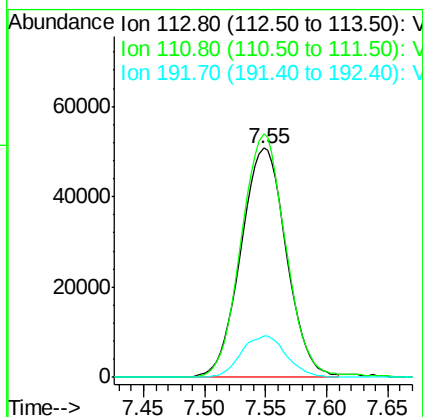
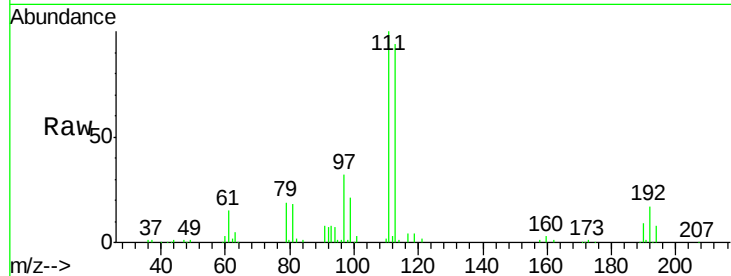




#35
 Dibromofluoromethane
 Concen: 51.551 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

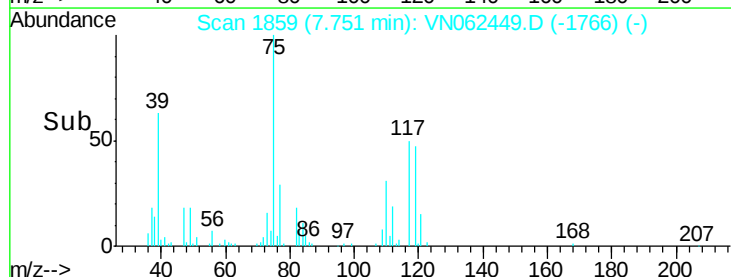
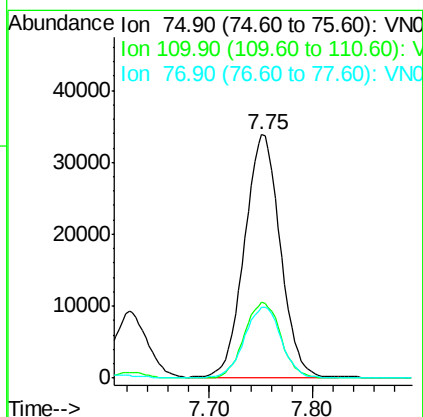
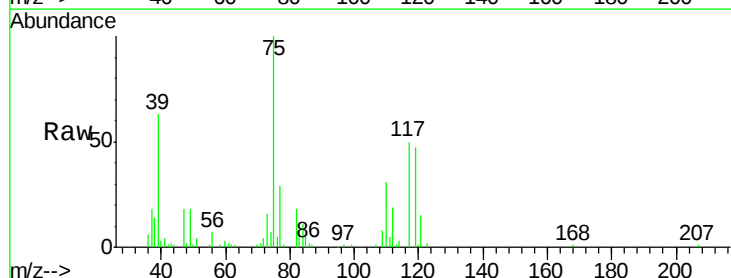
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

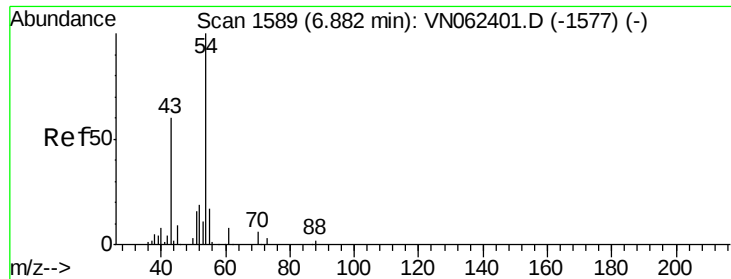
Tgt Ion: 113 Resp: 130929
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.1 124.7
 192 17.8 14.1 21.1



#36
 1,1-Dichloropropene
 Concen: 19.839 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 75 Resp: 82123
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.4 46.2
 77 29.9 24.1 36.1

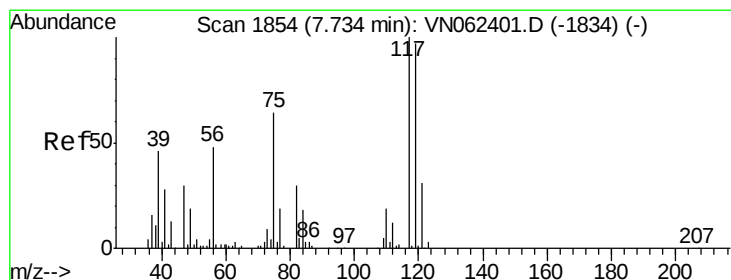
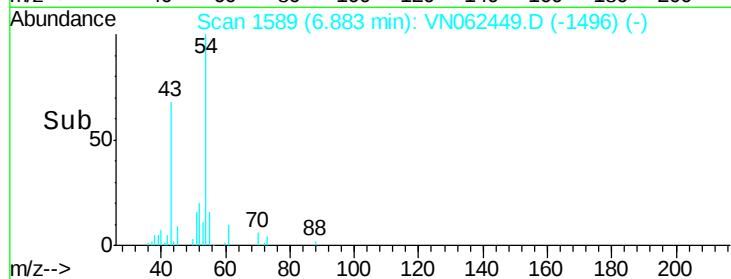
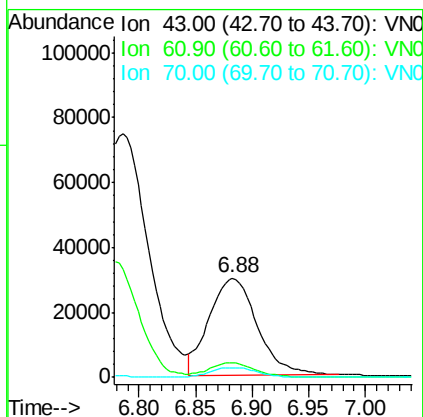
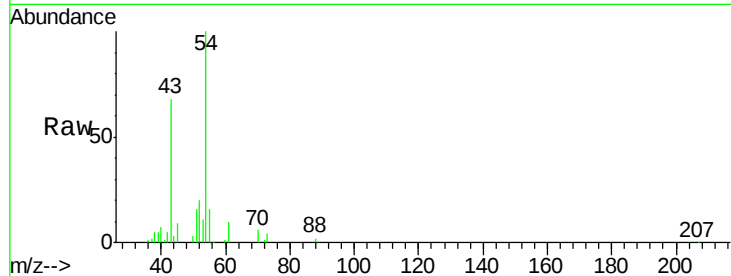




#37
 Ethyl Acetate
 Concen: 18.386 ug/l
 RT: 6.88 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

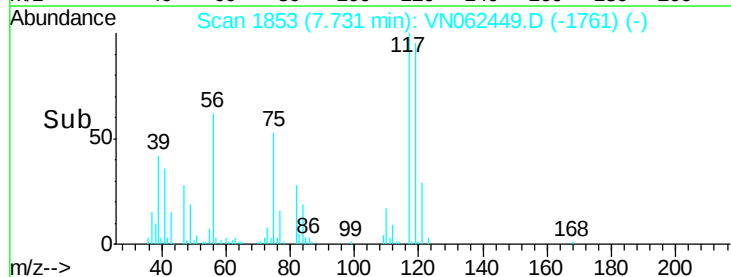
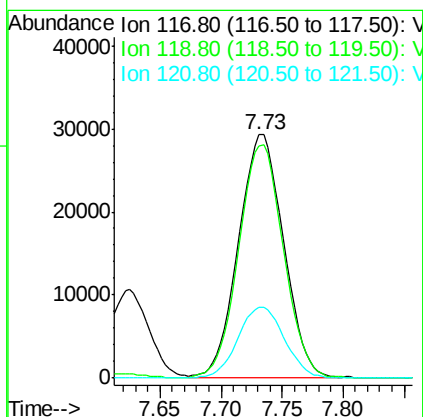
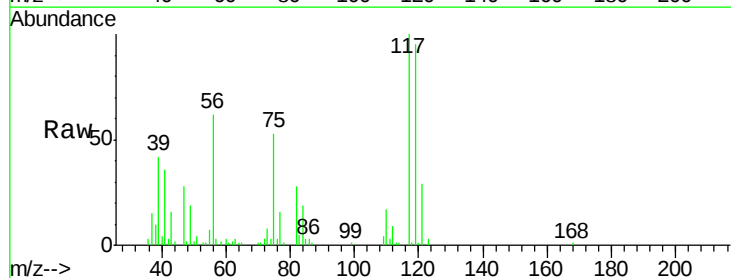
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0709WBS01

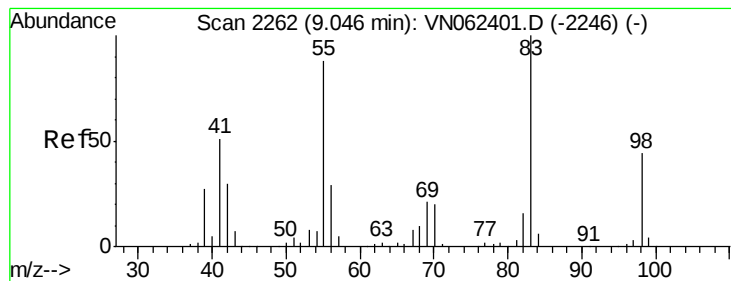
Tgt Ion: 43 Resp: 88995
 Ion Ratio Lower Upper
 43 100
 61 14.7 10.7 16.1
 70 9.5 7.2 10.8



#38
 Carbon Tetrachloride
 Concen: 20.206 ug/l
 RT: 7.73 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 117 Resp: 75197
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.2 115.8
 121 28.8 24.8 37.2





#39

Methylcyclohexane

Concen: 20.272 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

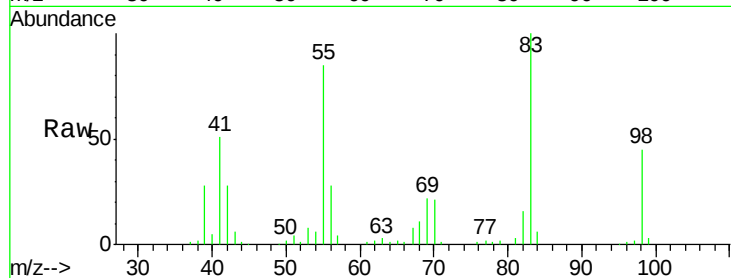
Tgt Ion: 83 Resp: 89591

Ion Ratio Lower Upper

83 100

55 85.3 70.5 105.7

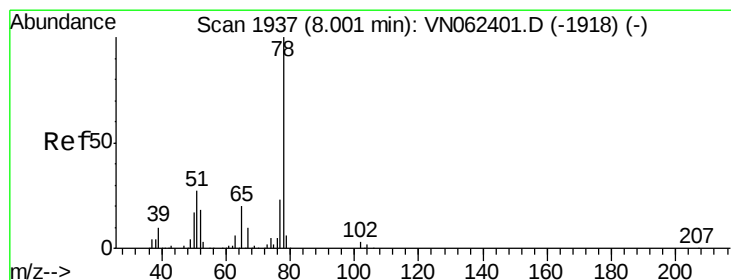
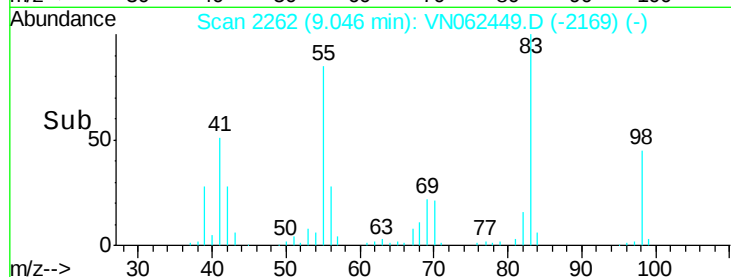
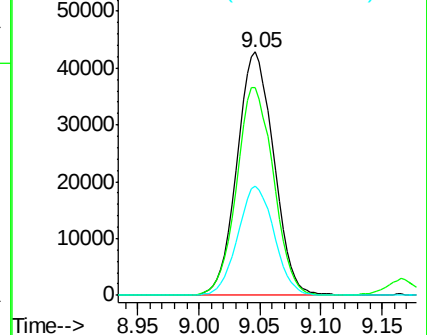
98 44.9 35.5 53.3



Abundance Ion 83.00 (82.70 to 83.70): VN062401.D (-2246) (-)

Ion 55.00 (54.70 to 55.70): VN062401.D (-2246) (-)

Ion 98.00 (97.70 to 98.70): VN062401.D (-2246) (-)



#40

Benzene

Concen: 19.542 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062449.D

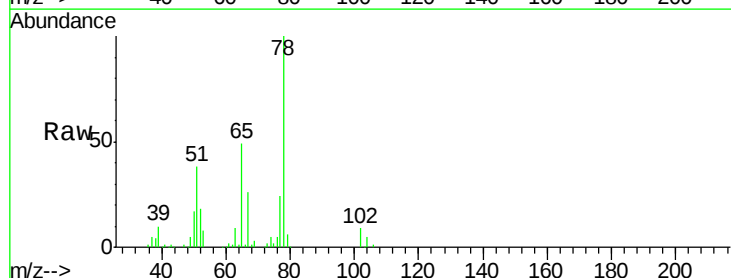
Acq: 9 Jul 2020 11:51

Tgt Ion: 78 Resp: 238415

Ion Ratio Lower Upper

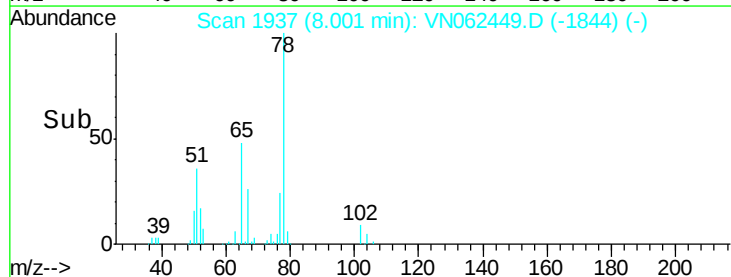
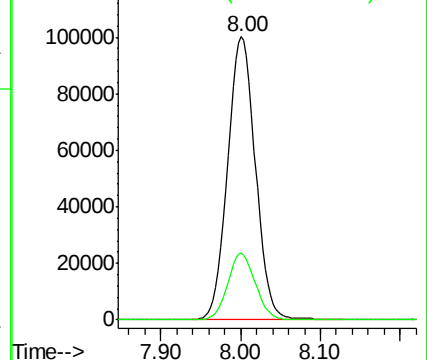
78 100

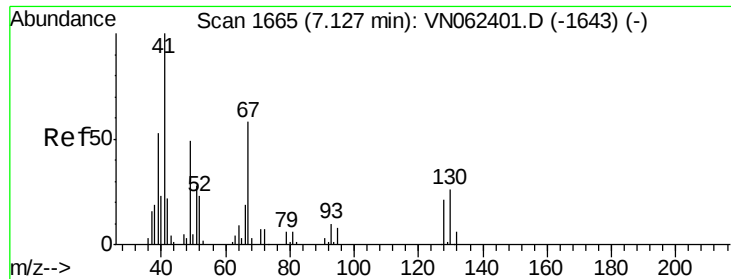
77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN062401.D (-1918) (-)

Ion 77.00 (76.70 to 77.70): VN062401.D (-1918) (-)

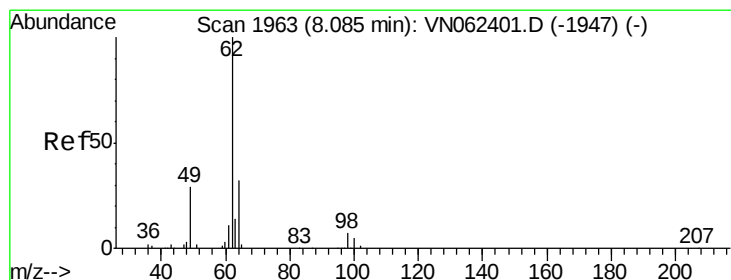
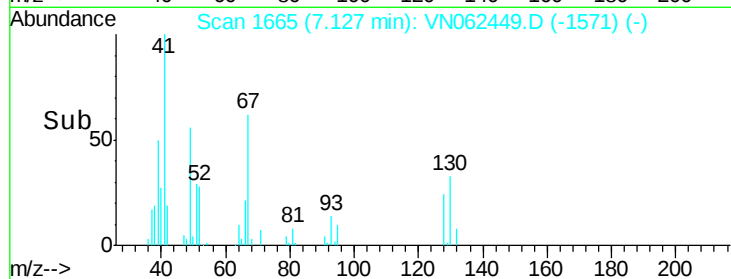
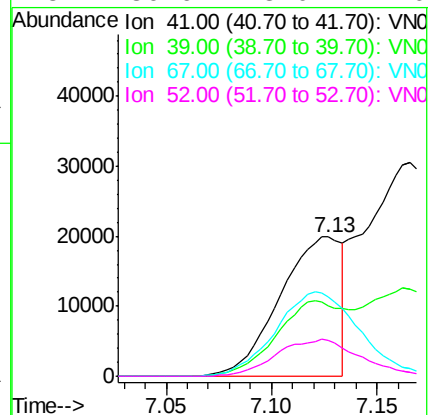
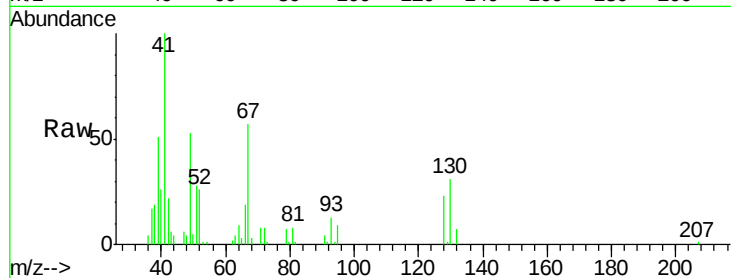




#41
Methacrylonitrile
Concen: 20.024 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

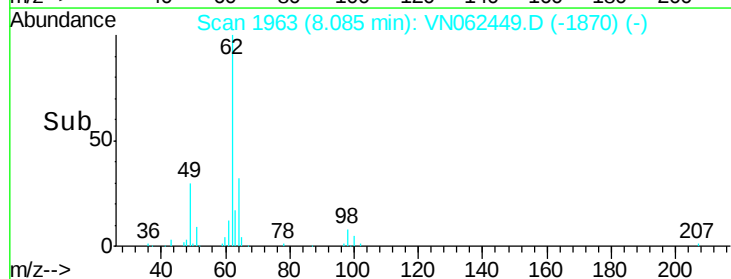
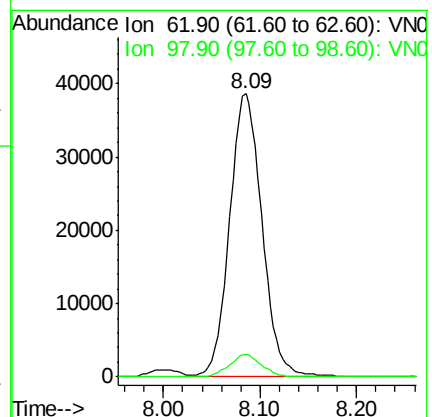
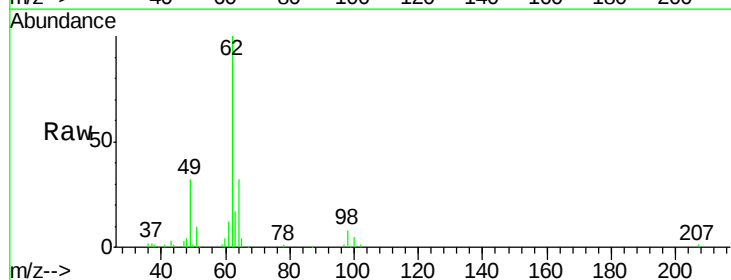
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

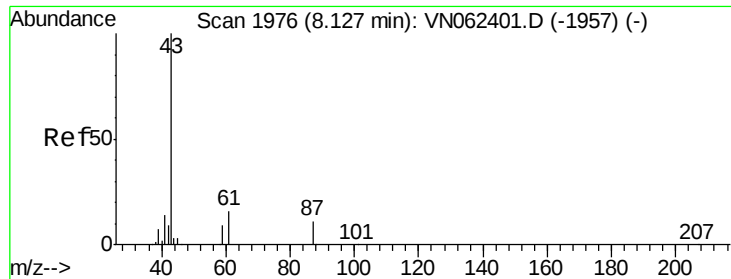
Tgt Ion:	41	Resp:	40495
Ion	Ratio	Lower	Upper
41	100		
39	59.6	50.2	75.2
67	82.1	64.2	96.2
52	36.6	28.0	42.0



#42
1,2-Dichloroethane
Concen: 20.137 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion:	62	Resp:	89958
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8

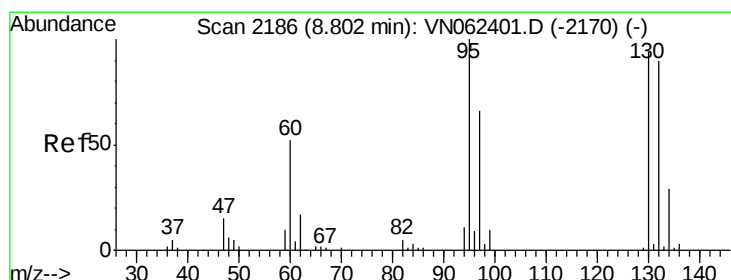
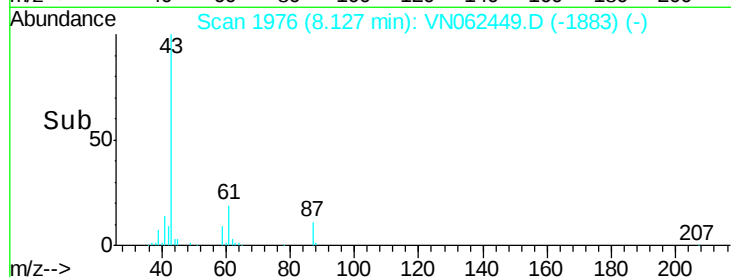
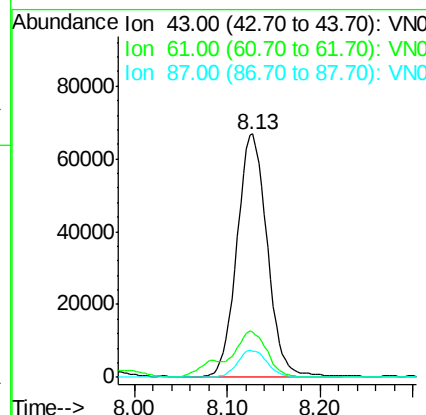
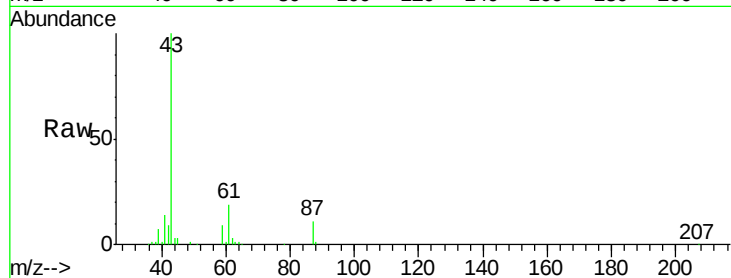




#43
Isopropyl Acetate
Concen: 19.864 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

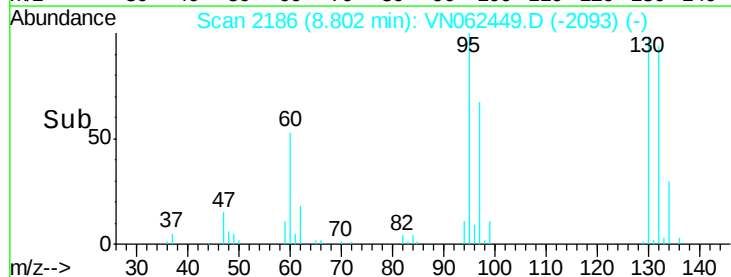
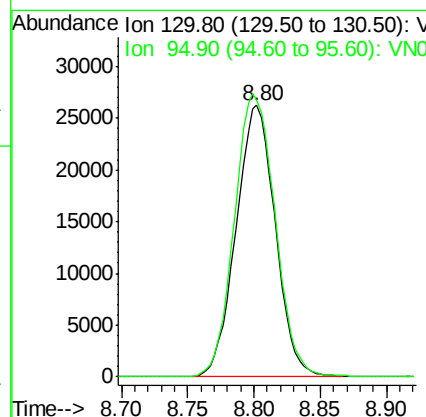
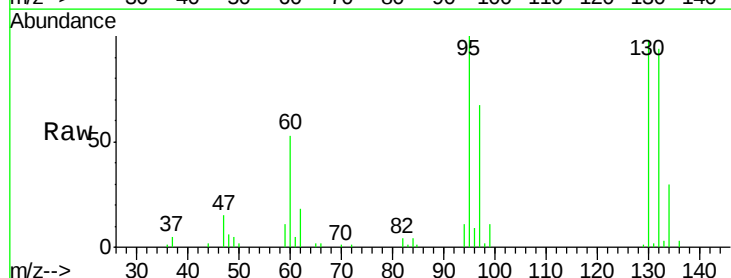
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

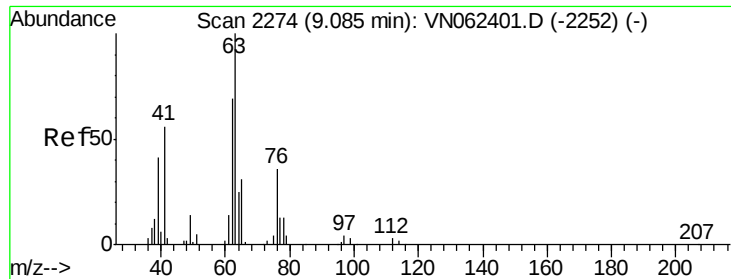
Tgt Ion: 43 Resp: 151890
Ion Ratio Lower Upper
43 100
61 18.7 19.3 28.9#
87 10.9 8.6 13.0



#44
Trichloroethene
Concen: 19.899 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 130 Resp: 53864
Ion Ratio Lower Upper
130 100
95 101.9 0.0 213.8

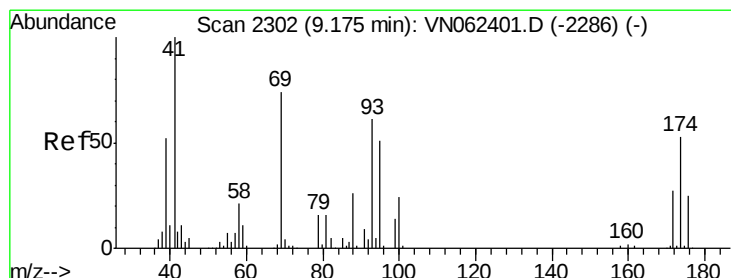
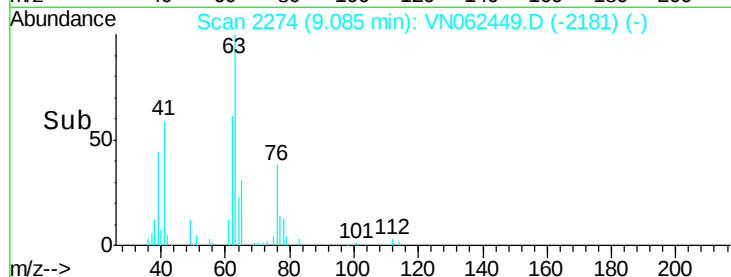
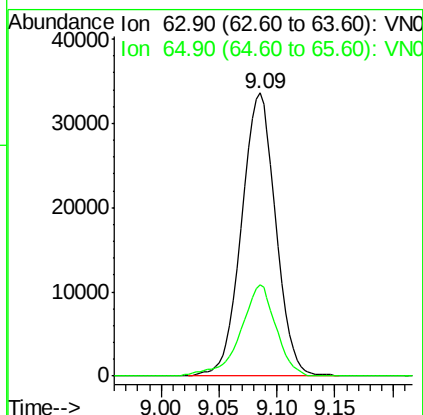
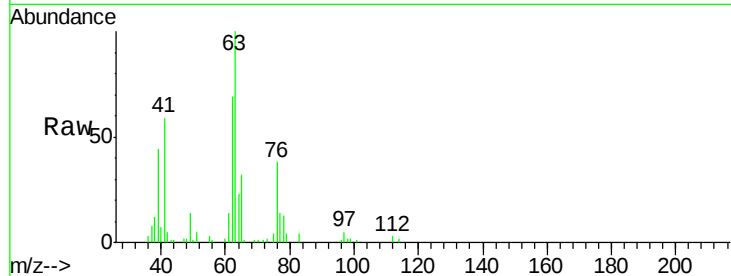




#45
 1,2-Dichloropropane
 Concen: 19.509 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

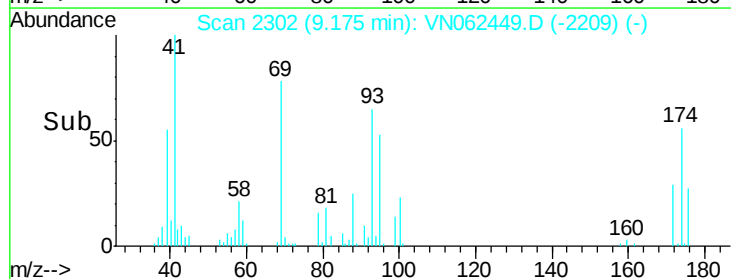
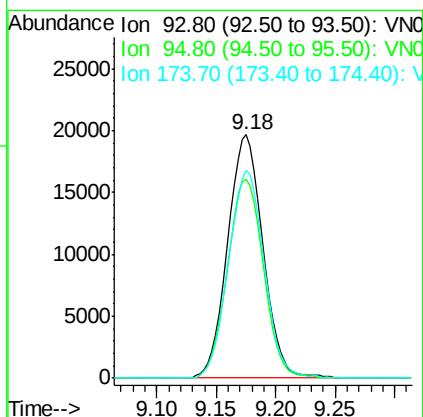
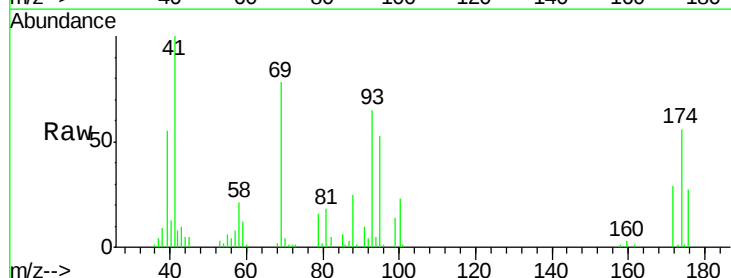
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

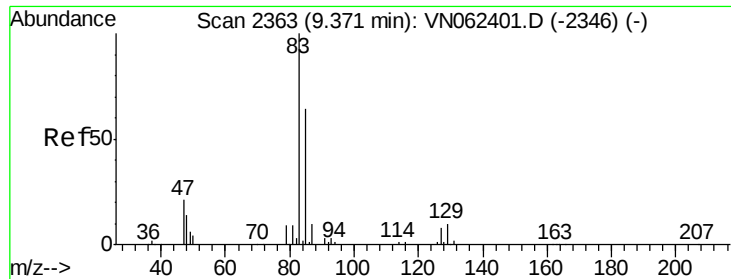
Tgt Ion: 63 Resp: 69093
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.6 36.8



#46
 Dibromomethane
 Concen: 20.218 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 93 Resp: 40409
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.1 100.7
 174 86.5 70.4 105.6





#47

Bromodichloromethane

Concen: 19.945 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

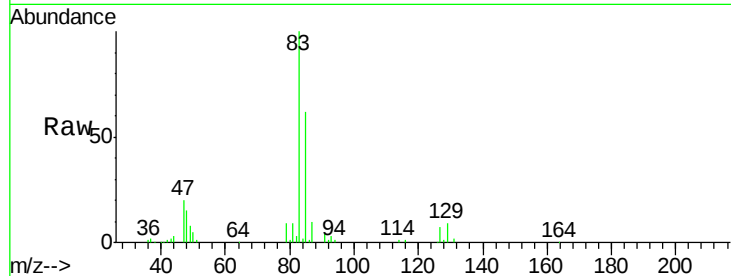
Tgt Ion: 83 Resp: 85225

Ion Ratio Lower Upper

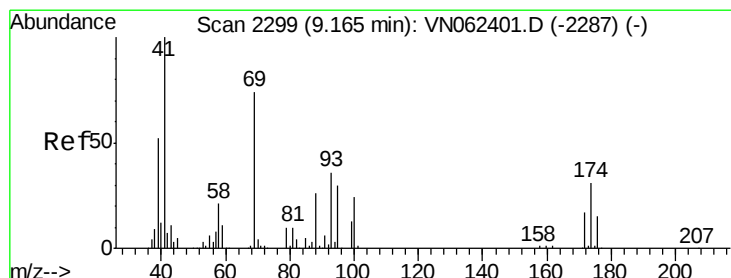
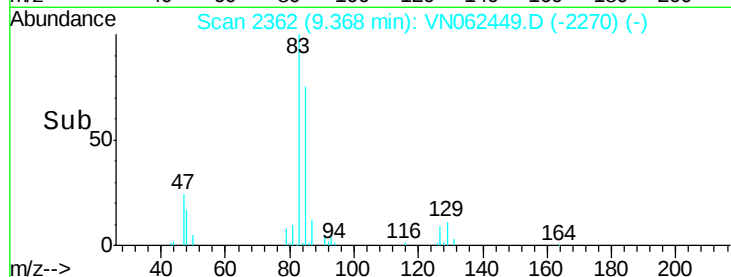
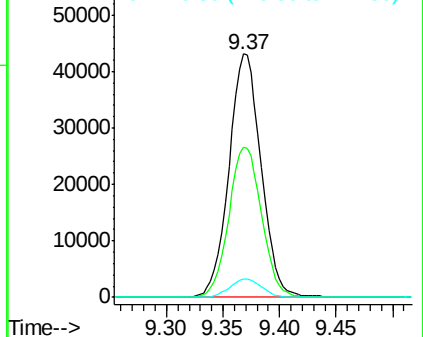
83 100

85 61.7 51.2 76.8

127 7.3 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.979 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

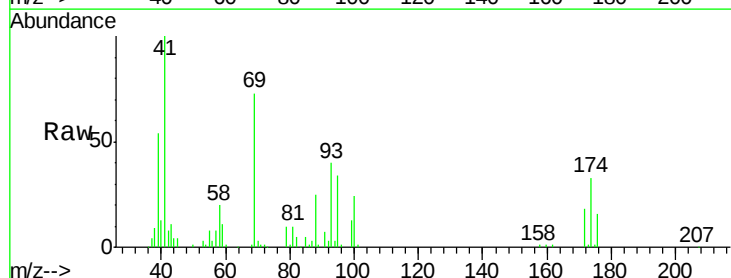
Tgt Ion: 41 Resp: 71187

Ion Ratio Lower Upper

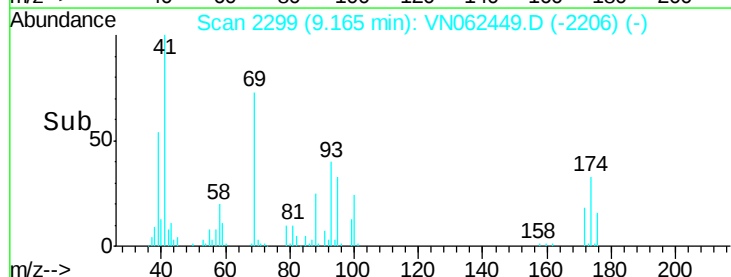
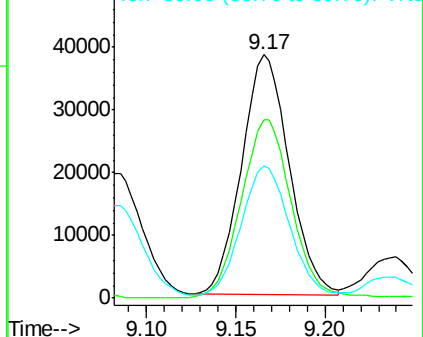
41 100

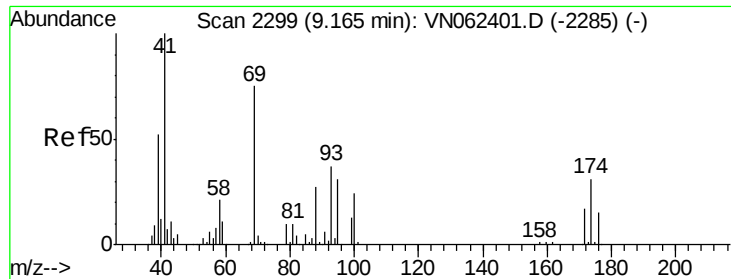
69 78.7 60.8 91.2

39 57.7 43.5 65.3



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

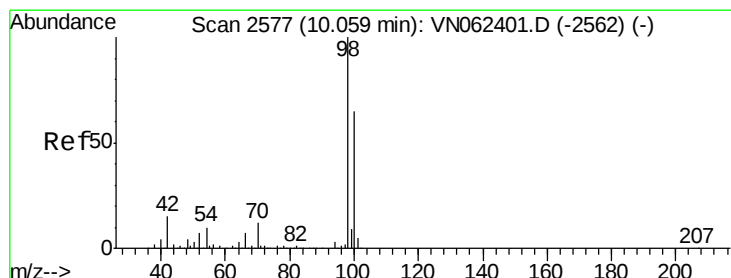
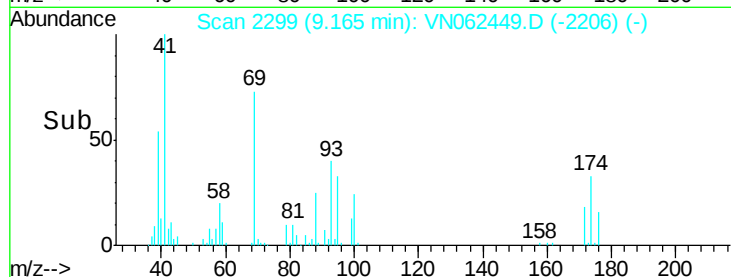
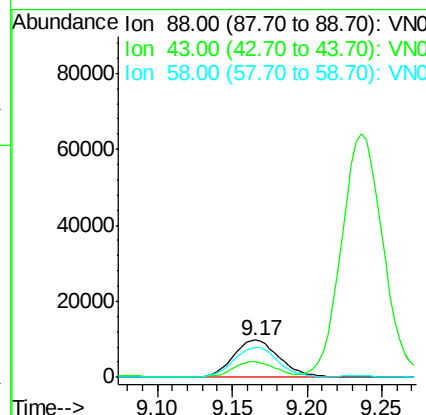
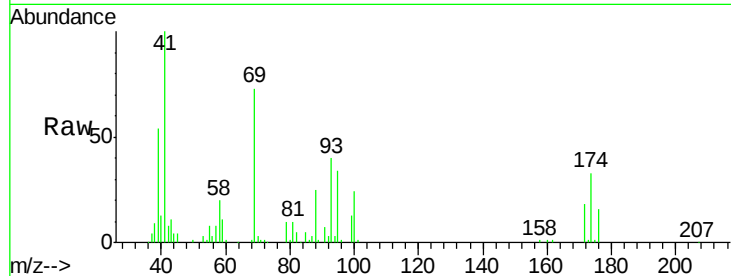




#49
 1,4-Dioxane
 Concen: 387.167 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

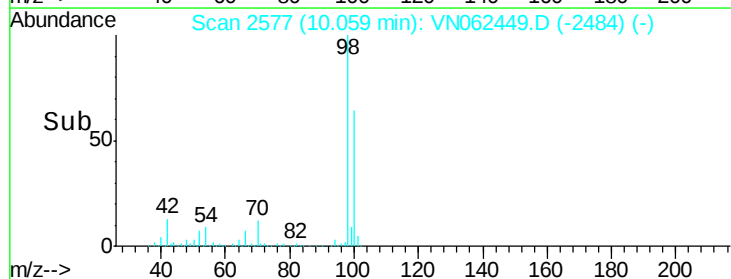
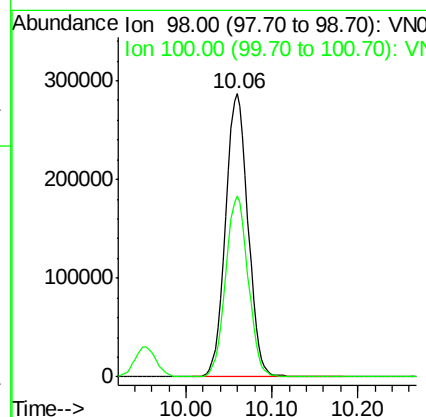
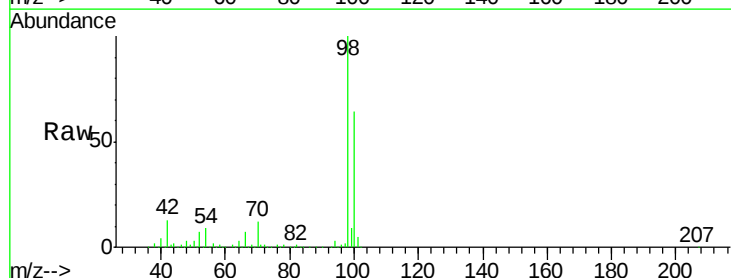
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tgt Ion: 88 Resp: 21137
 Ion Ratio Lower Upper
 88 100
 43 40.9 31.0 46.4
 58 77.8 63.3 94.9



#50
 Toluene-d8
 Concen: 52.034 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 98 Resp: 521709
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.5 77.3

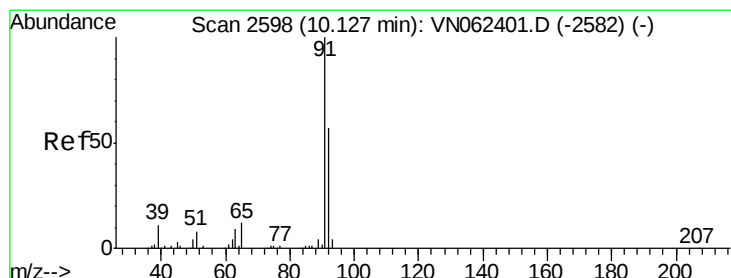
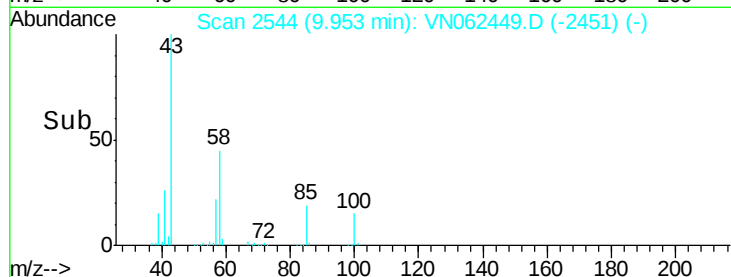
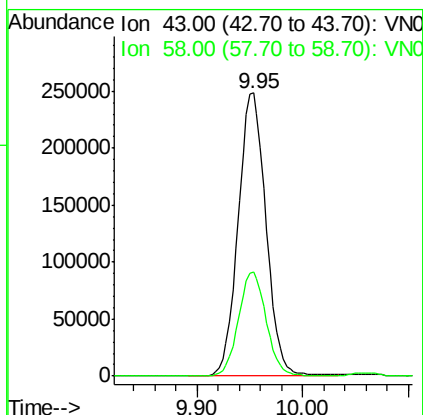
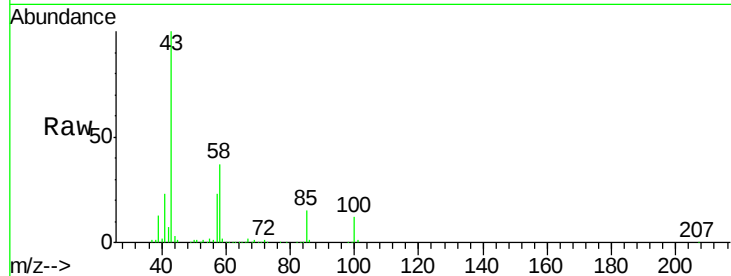




#51
4-Methyl-2-Pentanone
Concen: 99.852 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

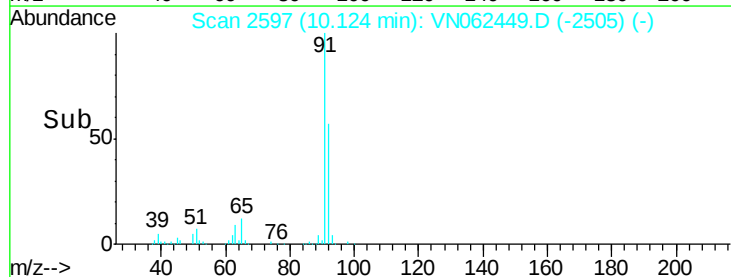
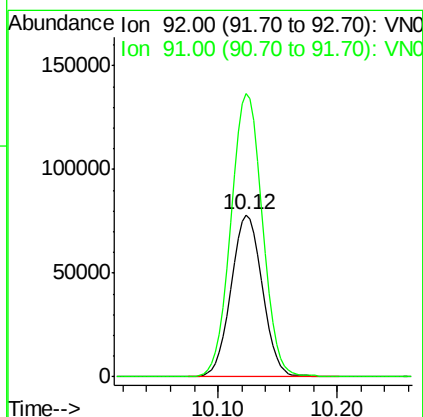
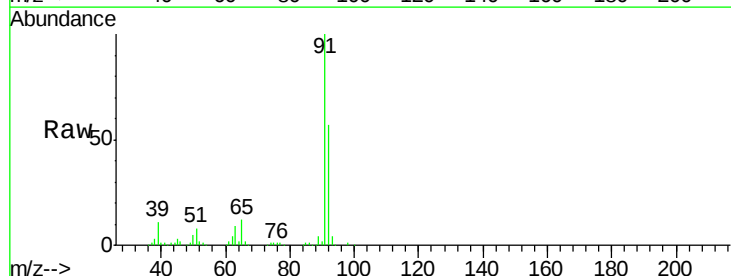
Instrument :
MSVOA_N
ClientSampled :
VN0709WBS01

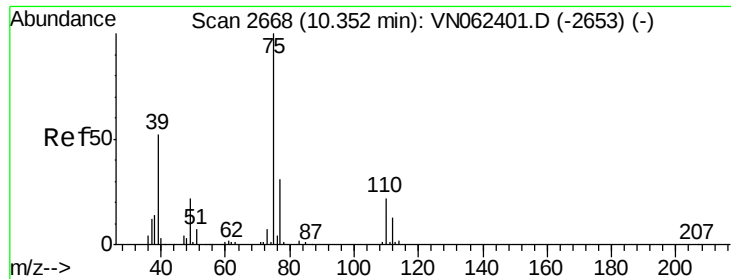
Tgt Ion: 43 Resp: 456034
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.6



#52
Toluene
Concen: 20.286 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 92 Resp: 142957
Ion Ratio Lower Upper
92 100
91 175.8 141.0 211.6

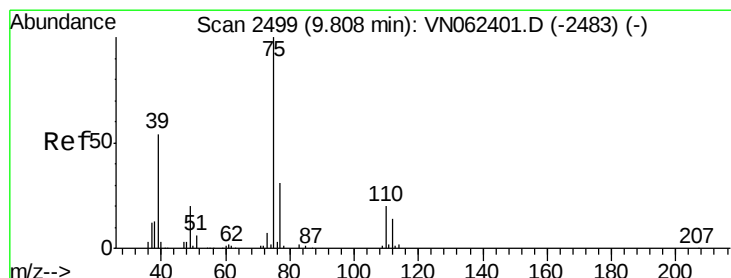
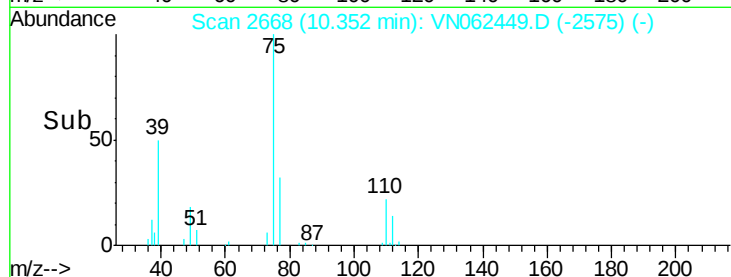
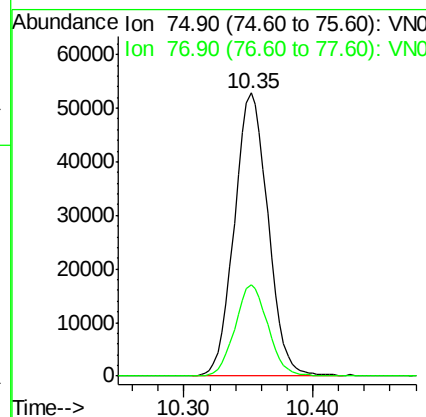
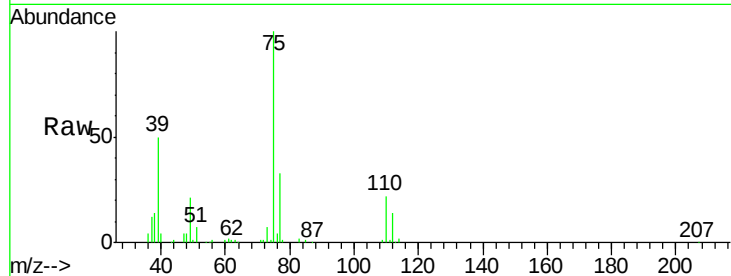




#53
t-1,3-Dichloropropene
Concen: 20.029 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

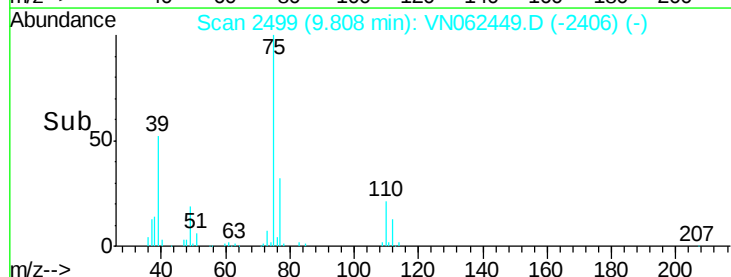
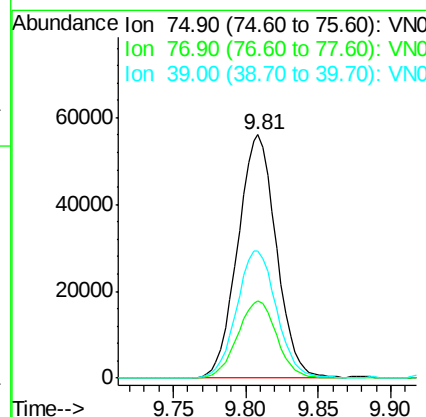
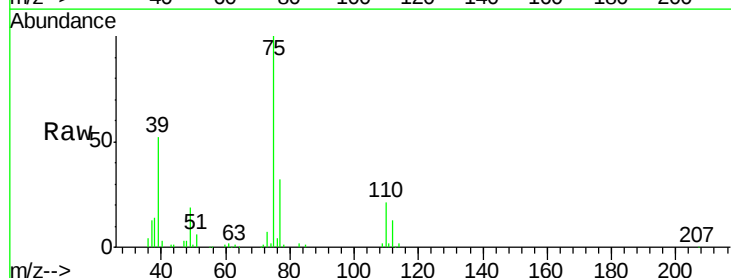
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

Tgt Ion: 75 Resp: 95883
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 19.604 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 75 Resp: 103548
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7
39 52.2 43.4 65.0

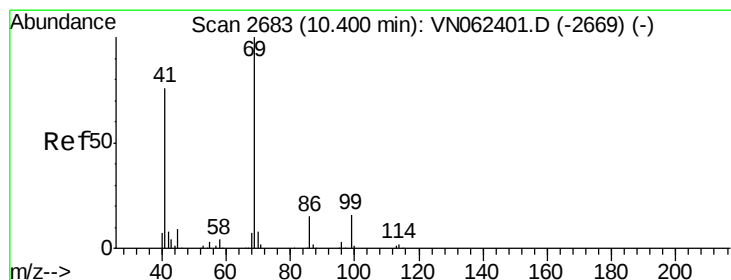
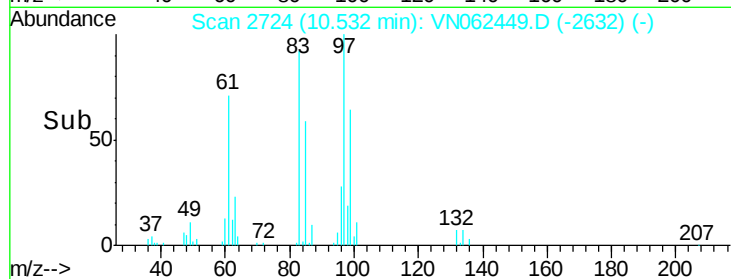
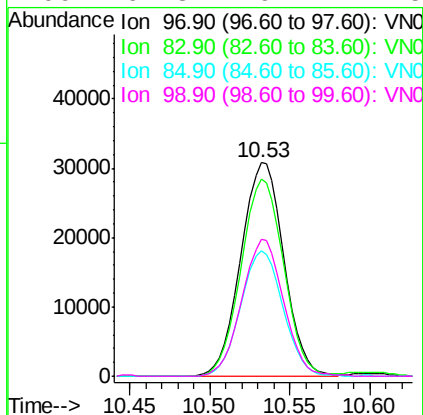
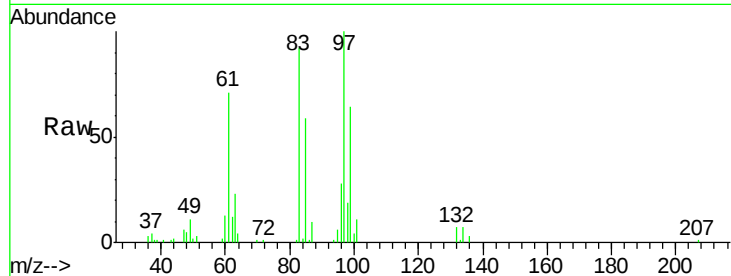




#55
 1,1,2-Trichloroethane
 Concen: 20.422 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

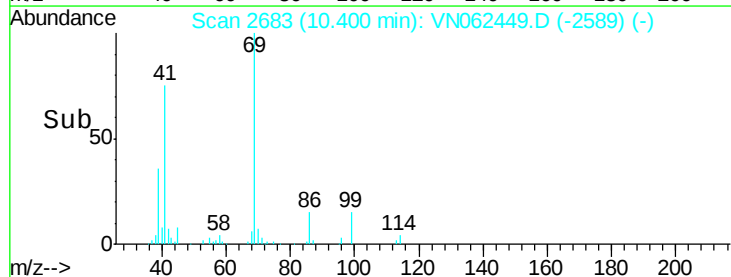
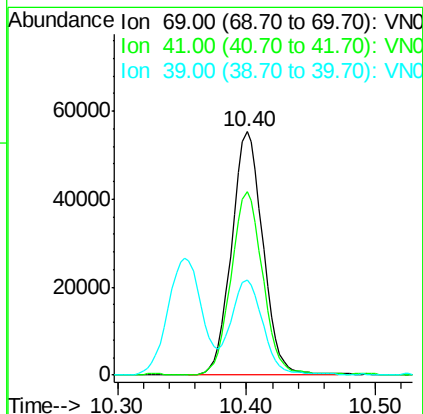
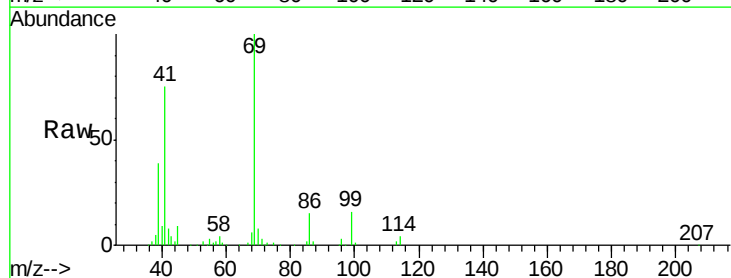
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

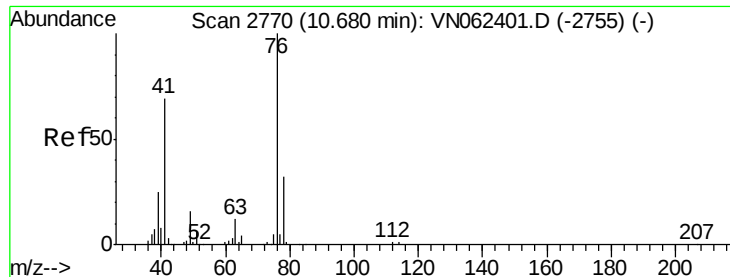
Tgt Ion:	97	Resp:	56600
Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.0	106.4
85	58.5	46.2	69.4
99	64.3	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 19.434 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion:	69	Resp:	93601
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.7	89.5
39	40.2	30.6	45.8

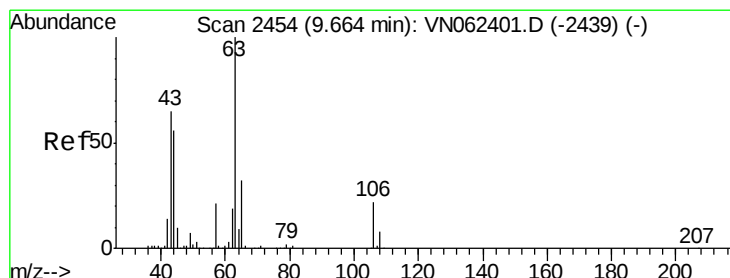
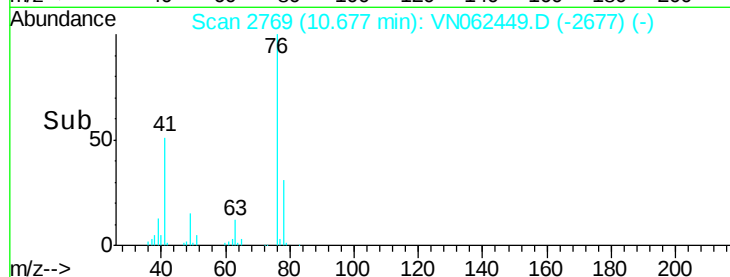
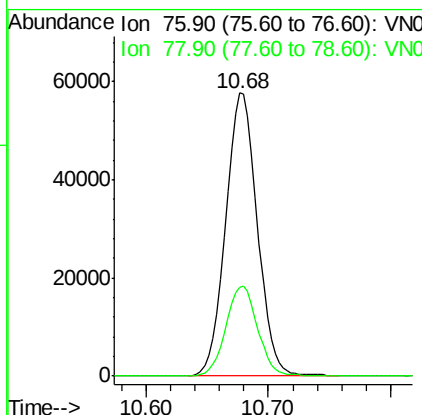
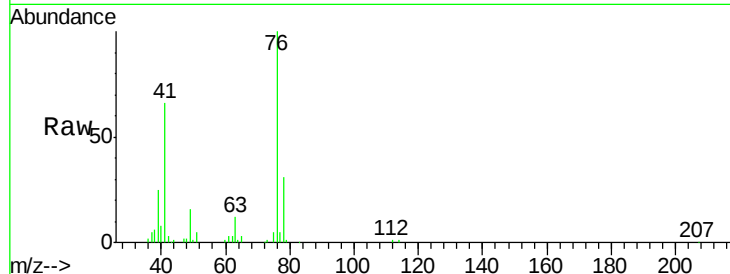




#57
 1,3-Dichloropropane
 Concen: 20.466 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

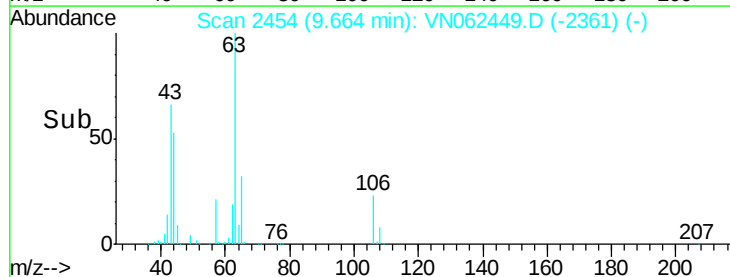
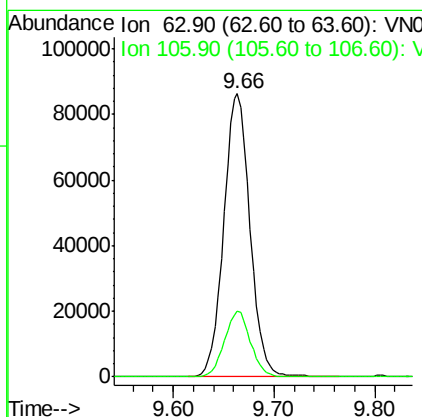
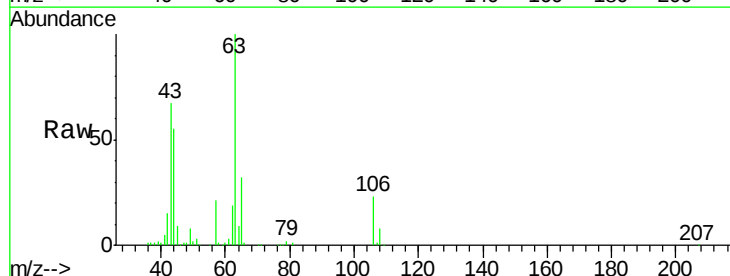
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

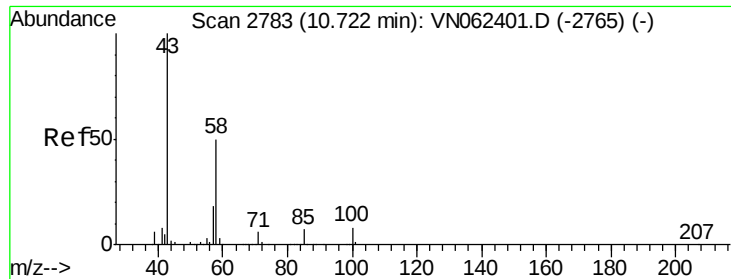
Tgt Ion: 76 Resp: 104798
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.207 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 63 Resp: 156547
 Ion Ratio Lower Upper
 63 100
 106 23.1 17.6 26.4

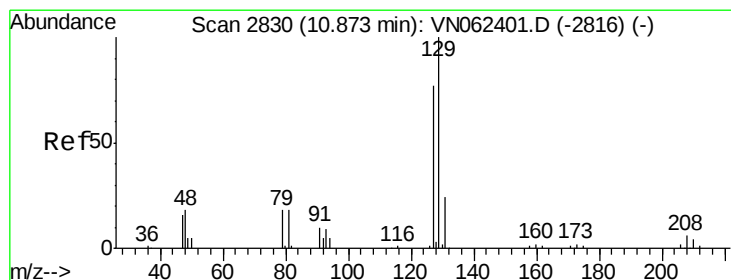
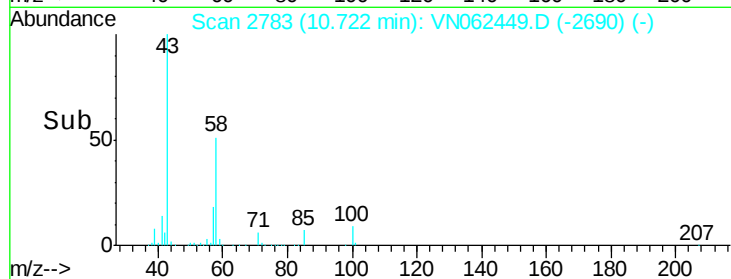
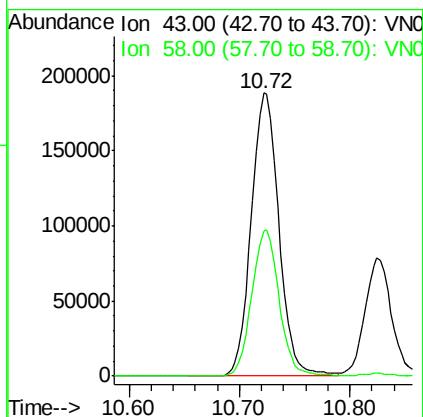
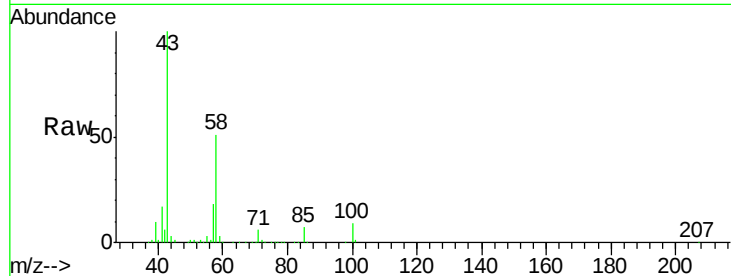




#59
2-Hexanone
Concen: 99.013 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

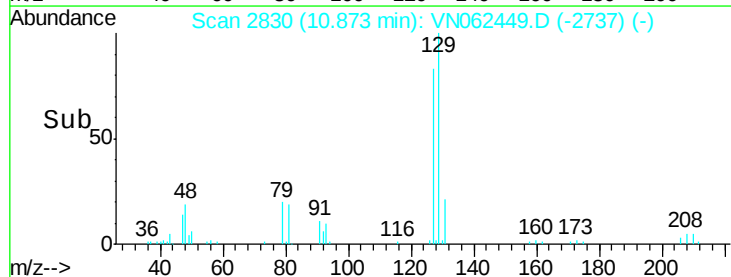
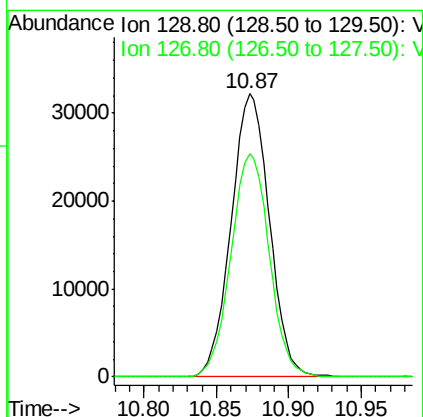
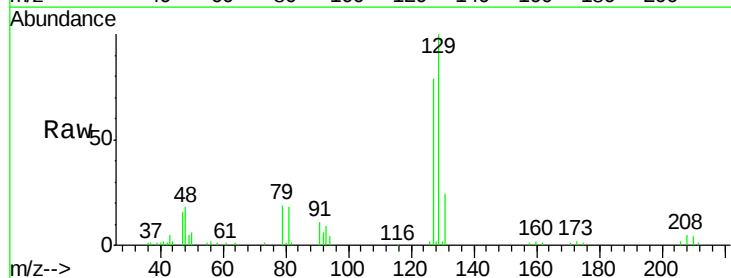
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

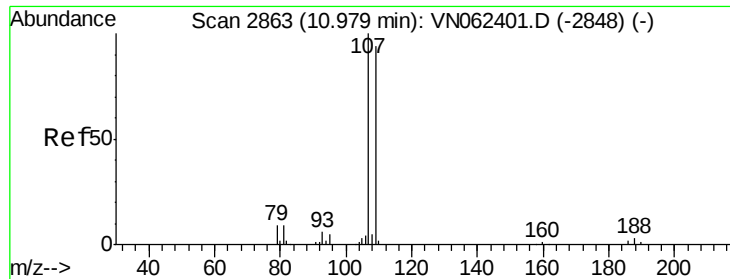
Tgt Ion: 43 Resp: 328285
Ion Ratio Lower Upper
43 100
58 51.1 25.1 75.2



#60
Dibromochloromethane
Concen: 19.646 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 129 Resp: 59040
Ion Ratio Lower Upper
129 100
127 78.7 38.6 115.8

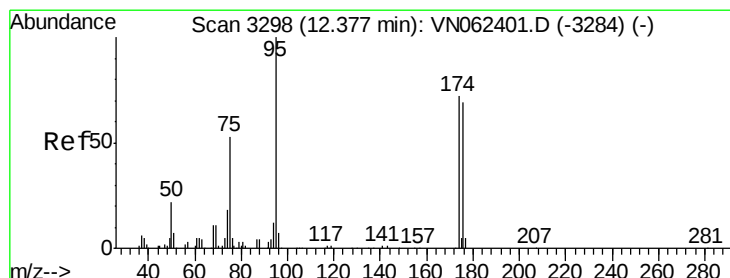
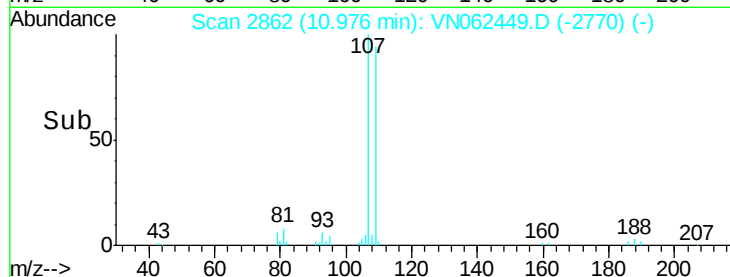
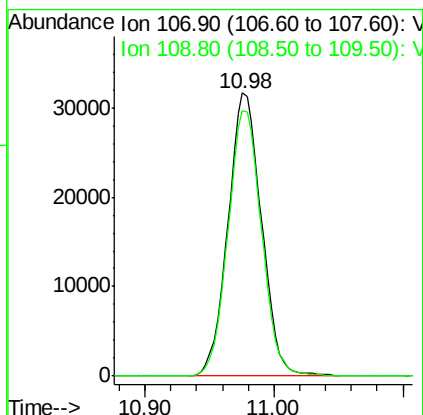
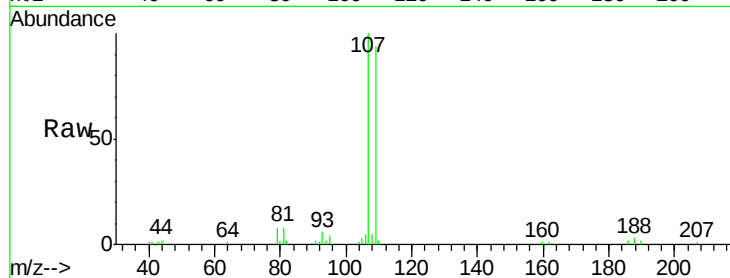




#61
 1,2-Dibromoethane
 Concen: 20.394 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

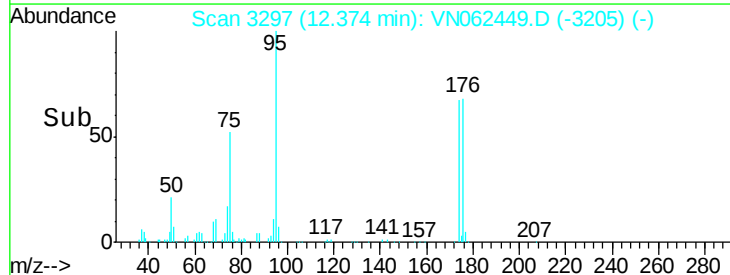
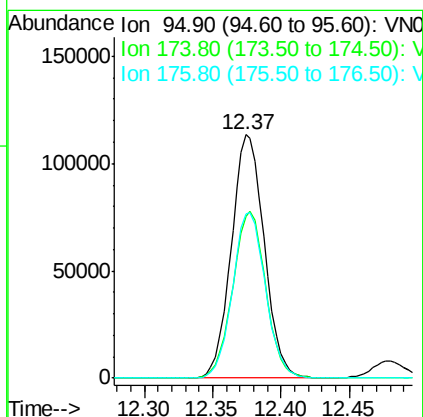
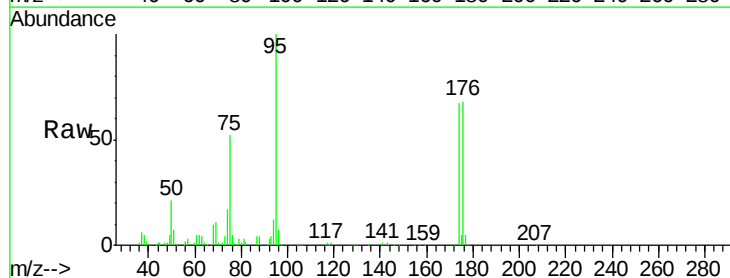
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

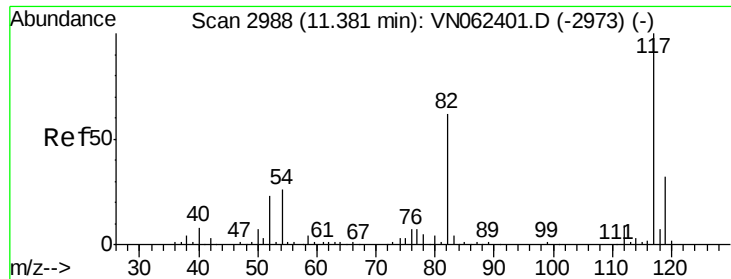
Tgt Ion: 107 Resp: 57058
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.785 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion: 95 Resp: 189737
 Ion Ratio Lower Upper
 95 100
 174 68.8 0.0 141.6
 176 68.1 0.0 137.2

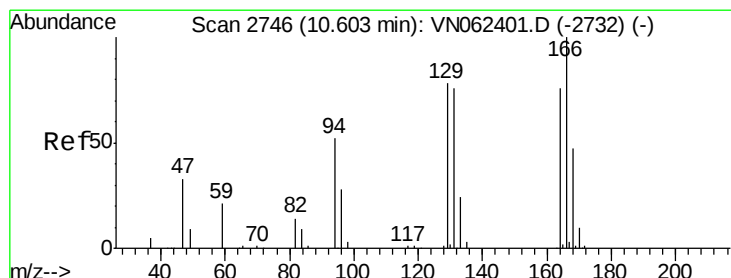
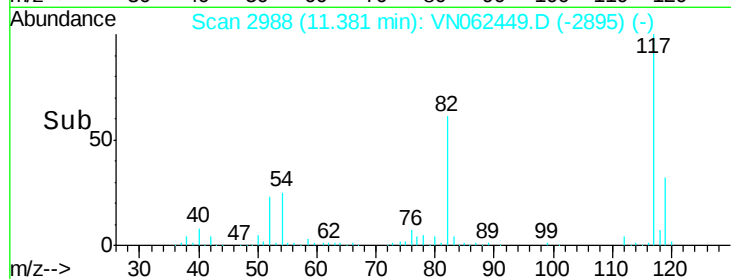
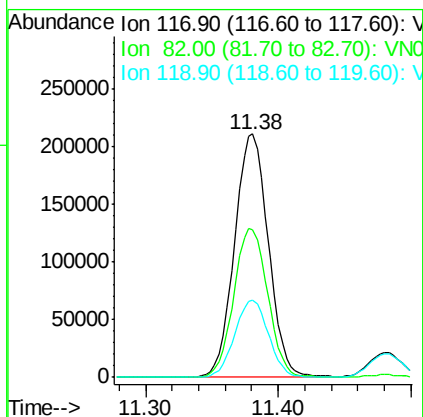
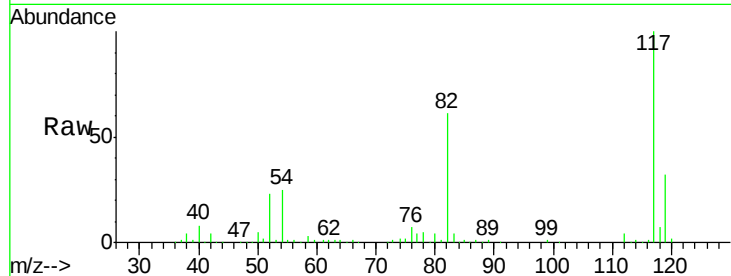




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

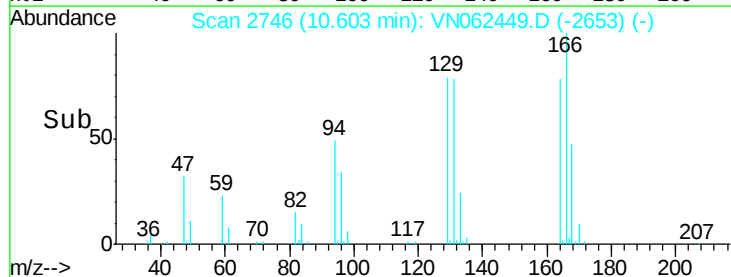
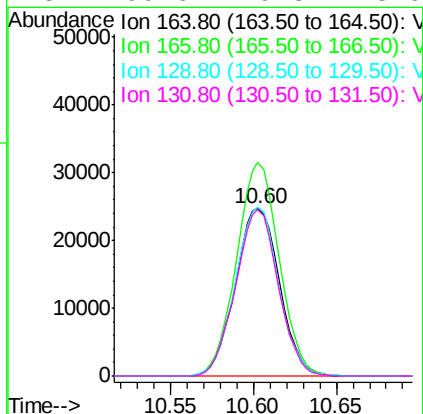
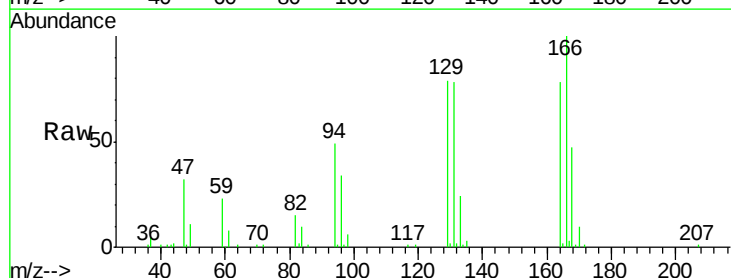
Instrument :
MSVOA_N
ClientSampled :
VN0709WBS01

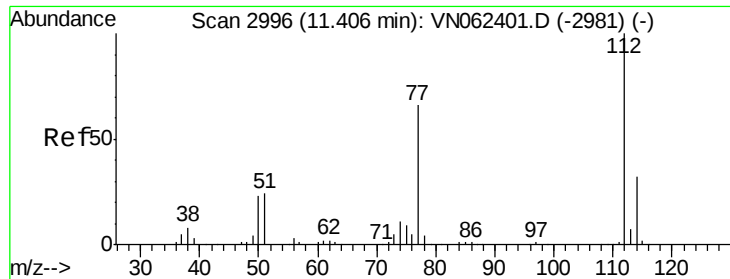
Tgt Ion:117 Resp: 374967
Ion Ratio Lower Upper
117 100
82 60.5 49.6 74.4
119 31.9 25.4 38.0



#64
Tetrachloroethene
Concen: 20.572 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion:164 Resp: 45773
Ion Ratio Lower Upper
164 100
166 127.7 104.9 157.3
129 101.4 81.8 122.6
131 99.6 79.3 118.9





#65

Chlorobenzene

Concen: 20.171 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

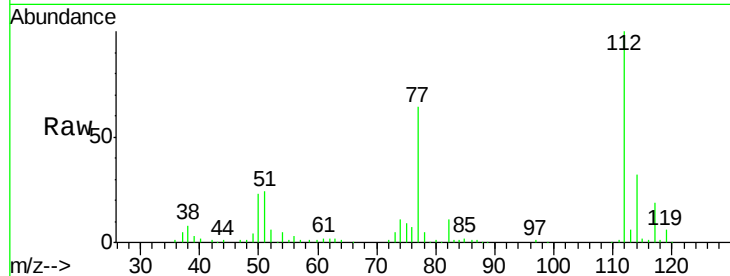
VN0709WBS01

Tgt Ion:112 Resp: 146997

Ion Ratio Lower Upper

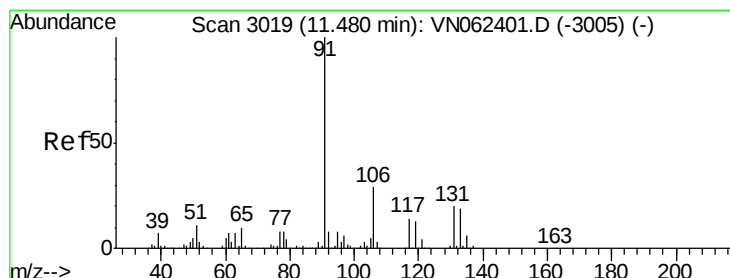
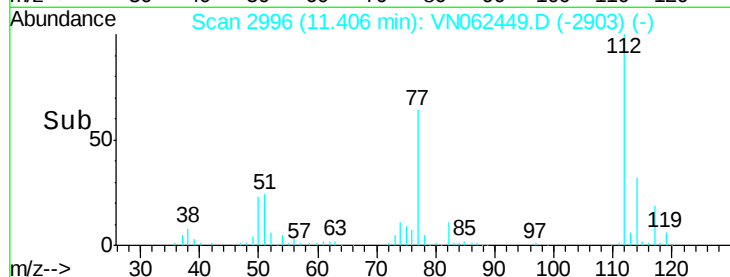
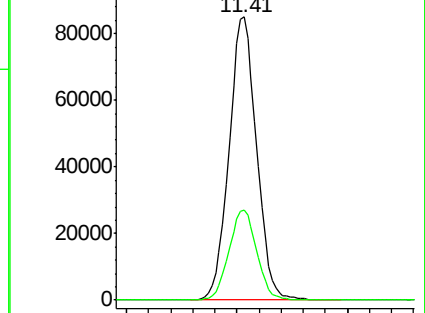
112 100

114 32.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.887 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

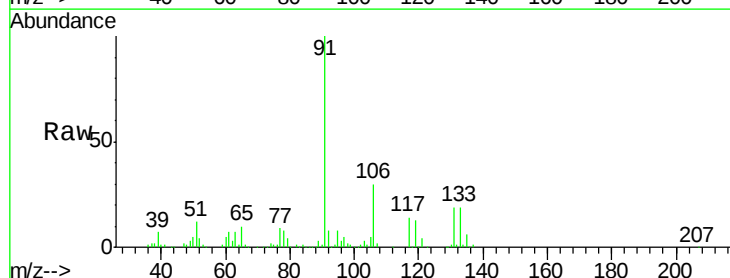
Tgt Ion:131 Resp: 53446

Ion Ratio Lower Upper

131 100

133 97.6 46.9 140.8

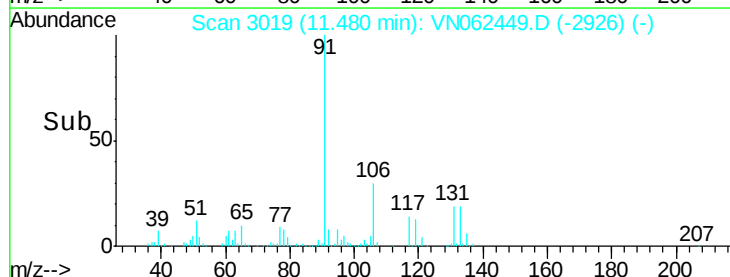
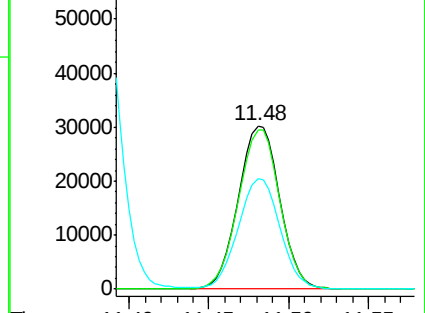
119 68.4 33.2 99.6

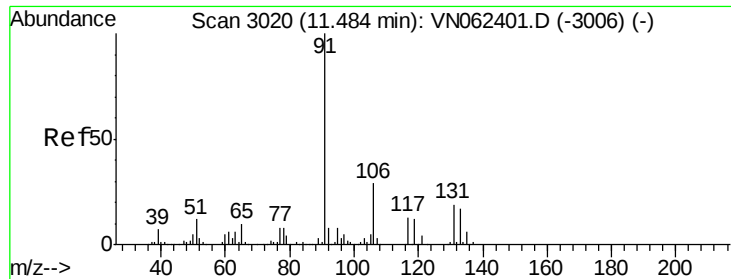


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

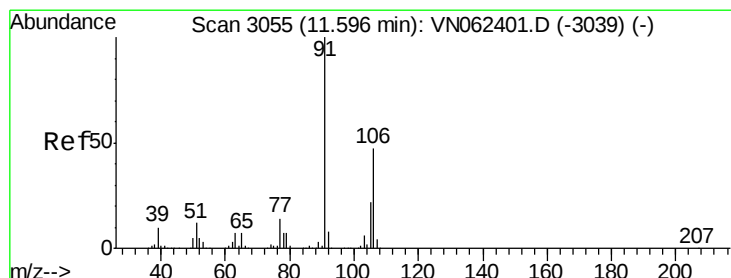
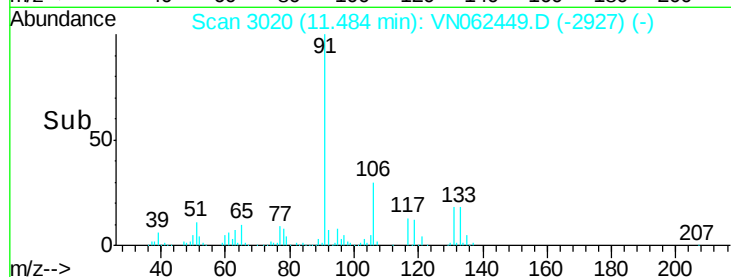
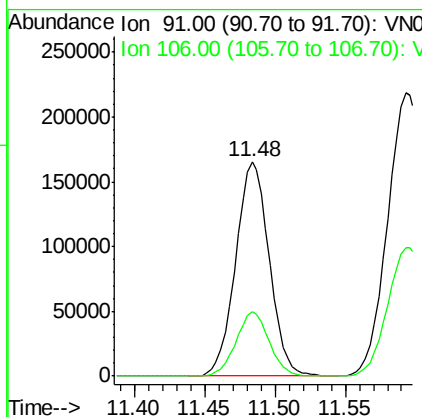
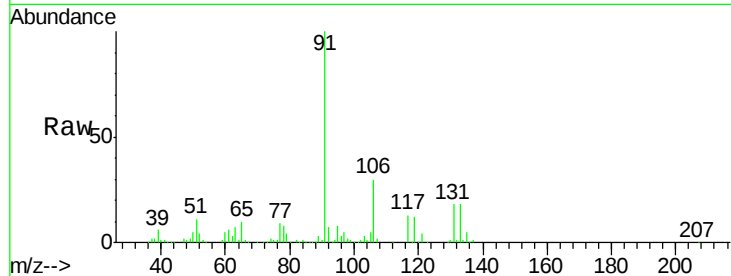




#67
Ethyl Benzene
Concen: 20.222 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

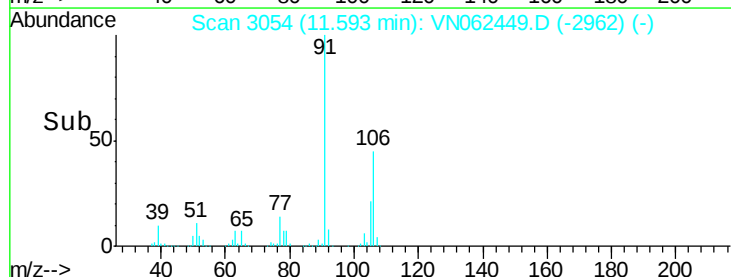
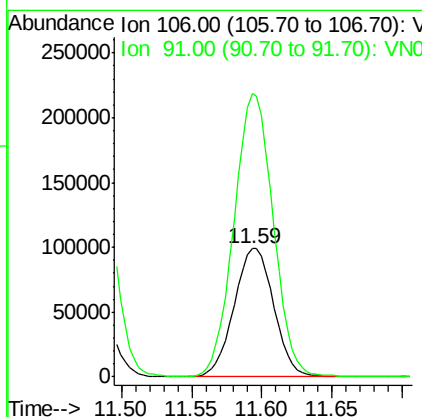
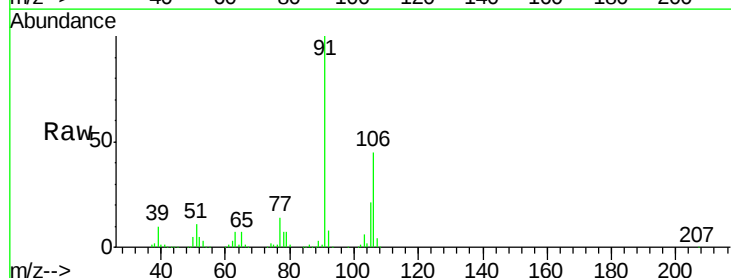
Instrument :
MSVOA_N
ClientSampleId :
VN0709WBS01

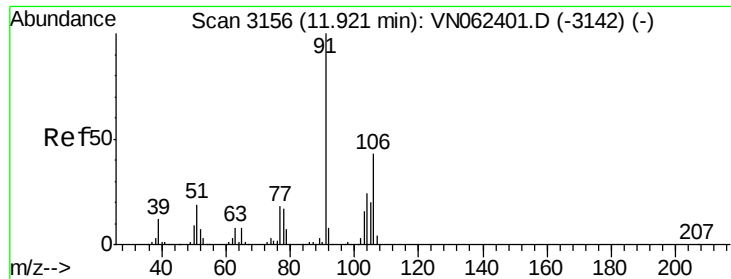
Tgt Ion: 91 Resp: 276623
Ion Ratio Lower Upper
91 100
106 30.1 23.4 35.2



#68
m/p-Xylenes
Concen: 40.359 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion: 106 Resp: 195441
Ion Ratio Lower Upper
106 100
91 217.5 172.4 258.6

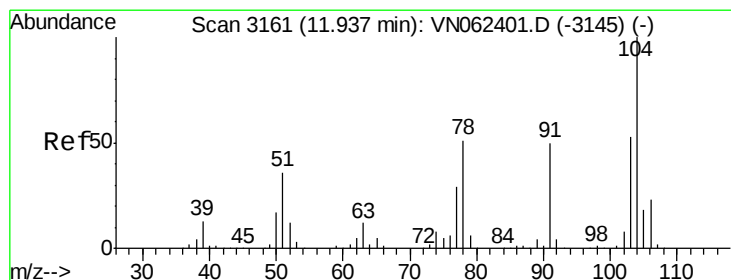
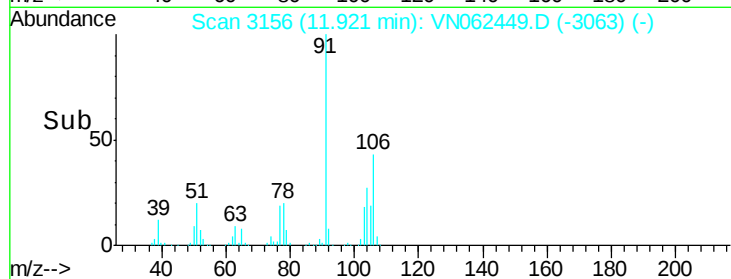
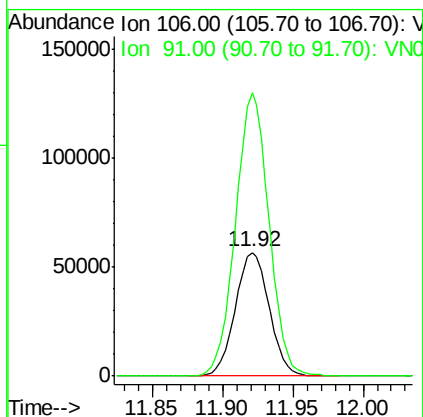
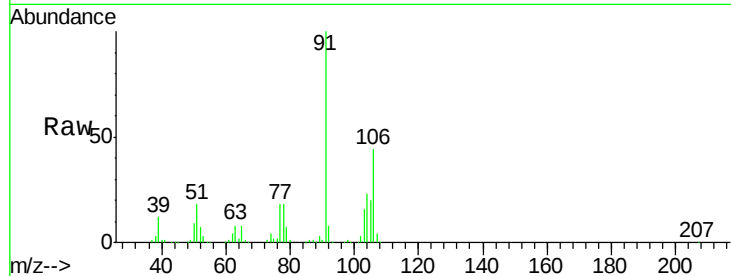




#69
o-Xylene
Concen: 20.333 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

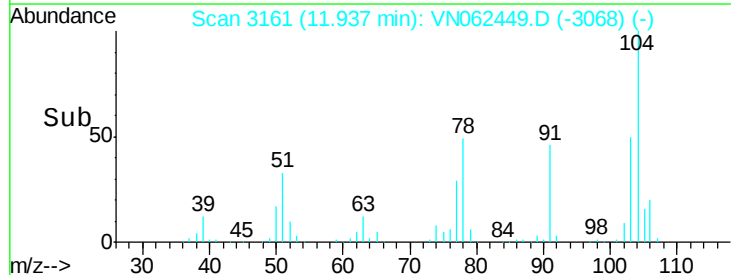
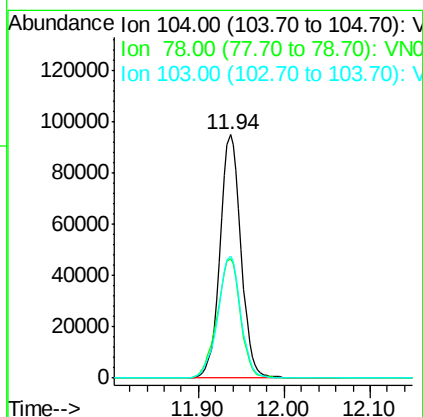
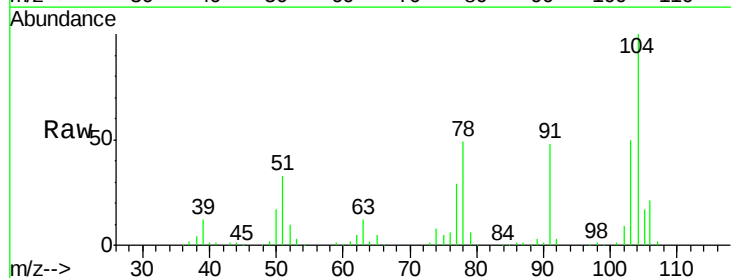
Instrument :
MSVOA_N
ClientSampled :
VN0709WBS01

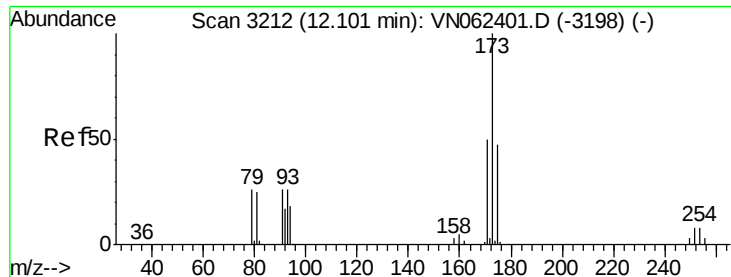
Tgt Ion:106 Resp: 95871
Ion Ratio Lower Upper
106 100
91 225.2 113.8 341.4



#70
Styrene
Concen: 20.659 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062449.D
Acq: 9 Jul 2020 11:51

Tgt Ion:104 Resp: 160984
Ion Ratio Lower Upper
104 100
78 54.6 44.2 66.4
103 54.6 44.4 66.6





#71

Bromoform

Concen: 20.286 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

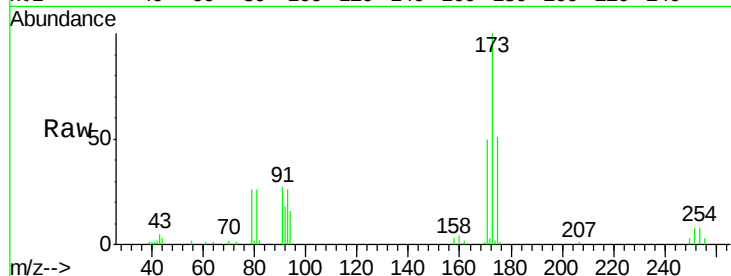
Tgt Ion:173 Resp: 39965

Ion Ratio Lower Upper

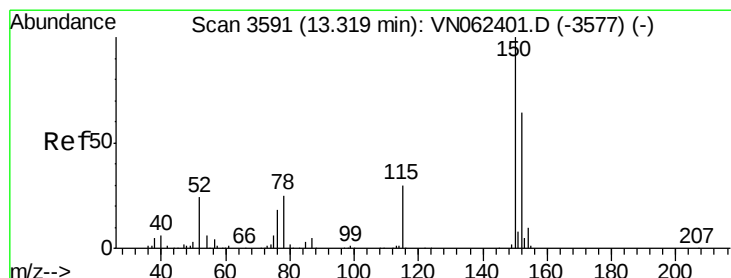
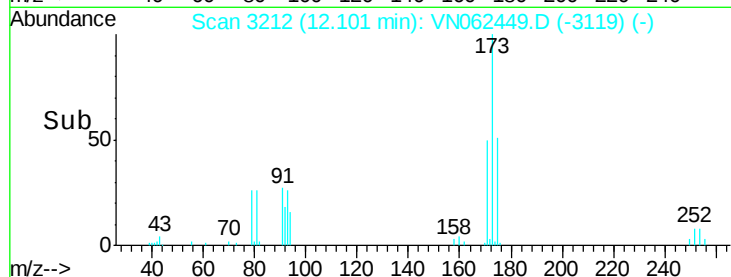
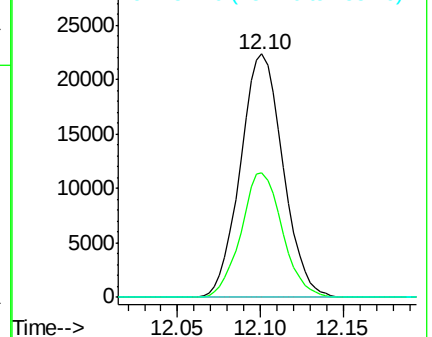
173 100

175 49.7 23.7 71.1

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# 3590

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

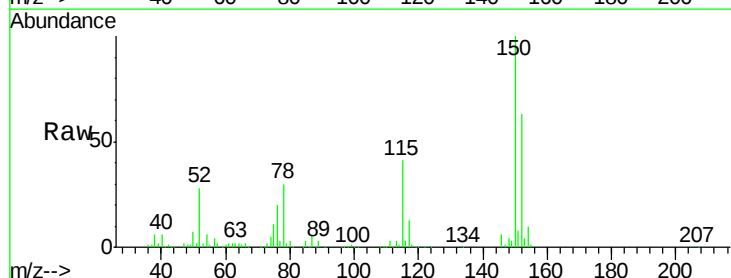
Tgt Ion:152 Resp: 162312

Ion Ratio Lower Upper

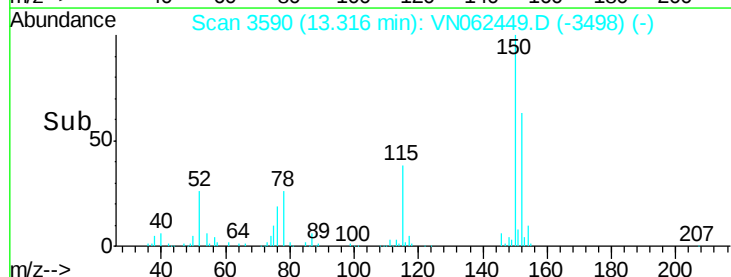
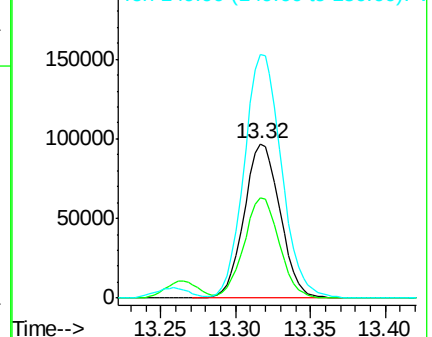
152 100

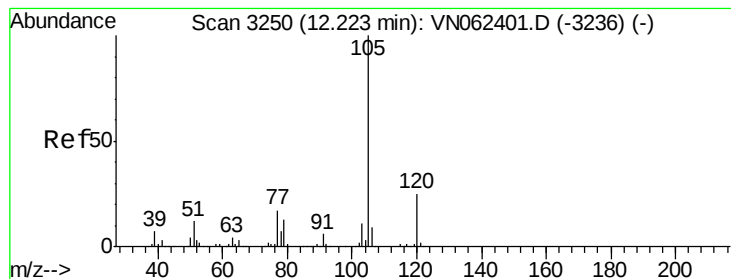
115 64.0 31.4 94.2

150 164.6 0.0 347.4



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: 20.681 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

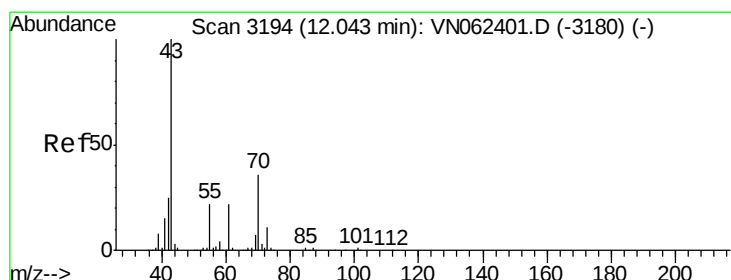
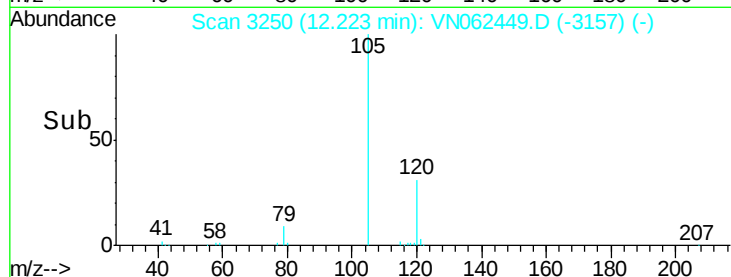
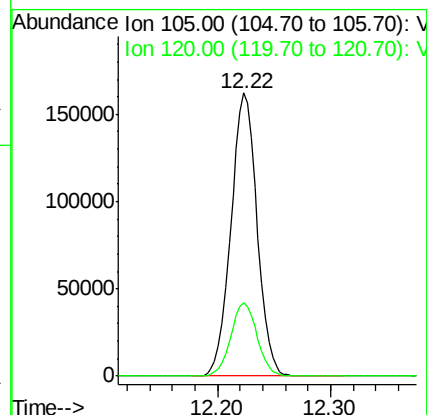
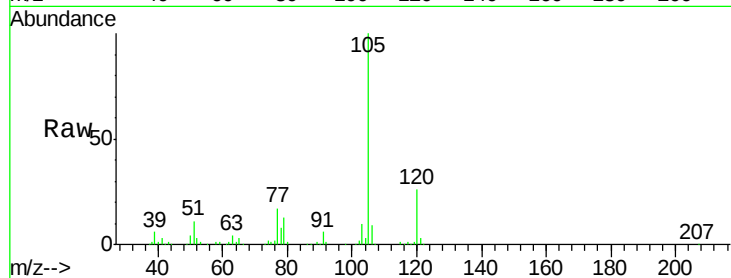
VN0709WBS01

Tgt Ion:105 Resp: 259758

Ion Ratio Lower Upper

105 100

120 26.1 12.7 38.1



#74

N-ethyl acetate

Concen: 20.837 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Tgt Ion: 43 Resp: 127380

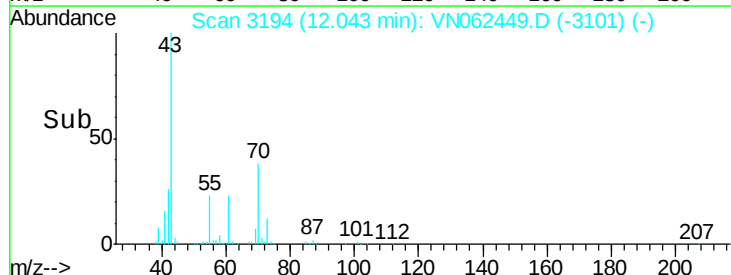
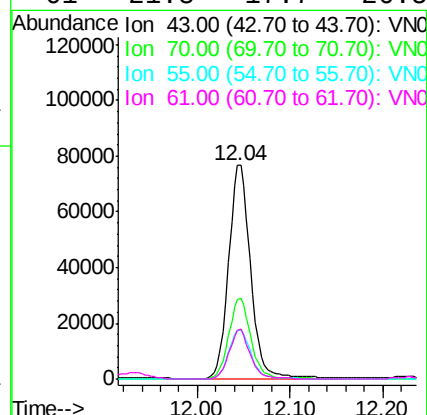
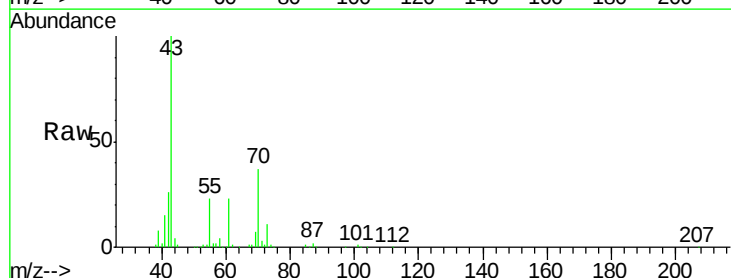
Ion Ratio Lower Upper

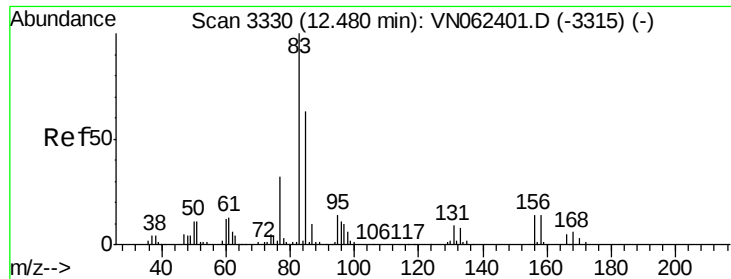
43 100

70 37.5 30.0 45.0

55 22.8 18.2 27.4

61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.480 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

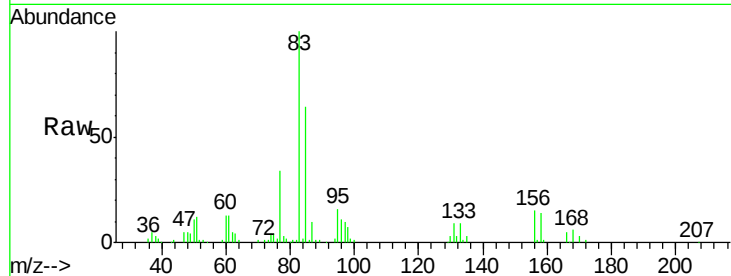
Tgt Ion: 83 Resp: 86489

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

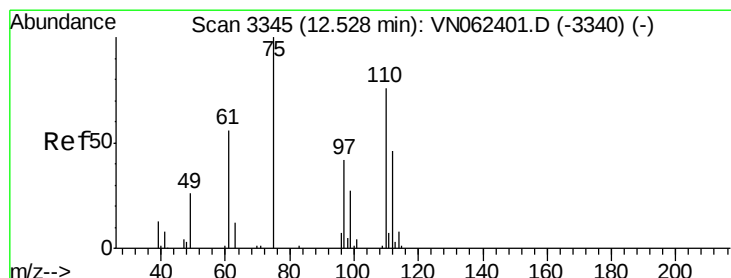
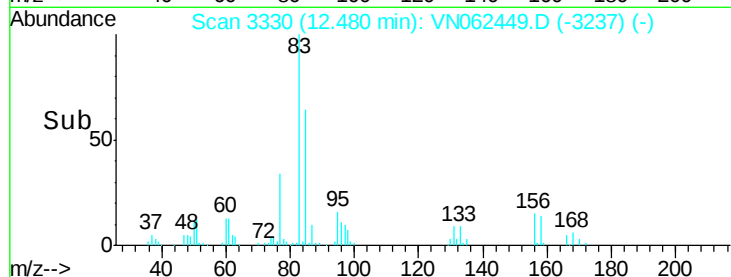
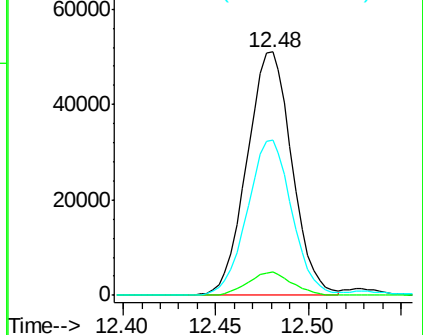
85 63.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 28.364 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062449.D

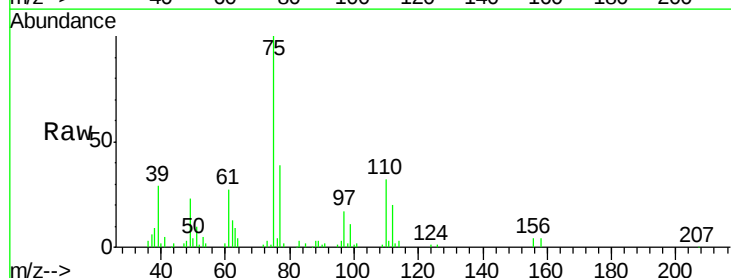
Acq: 9 Jul 2020 11:51

Tgt Ion: 75 Resp: 112963

Ion Ratio Lower Upper

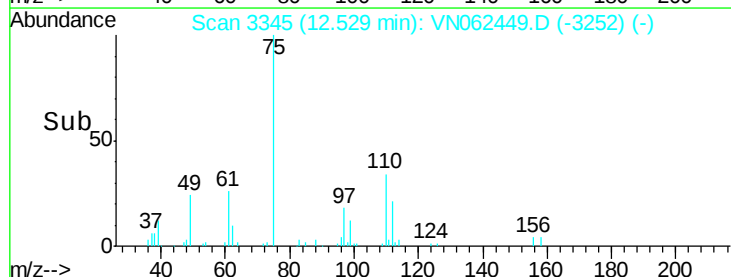
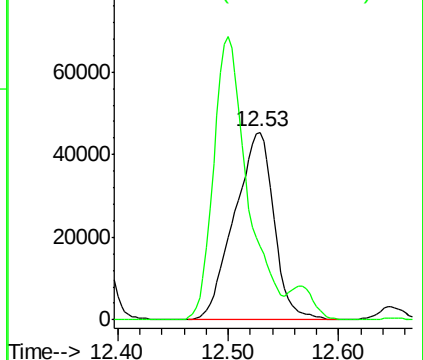
75 100

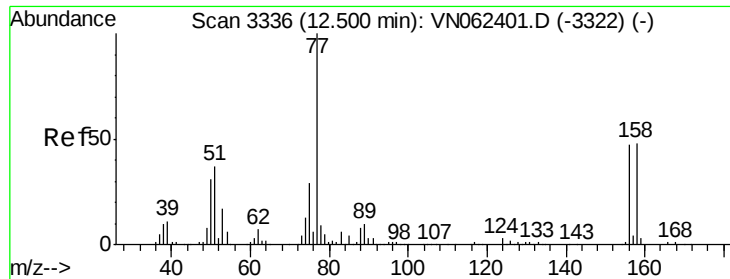
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.436 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

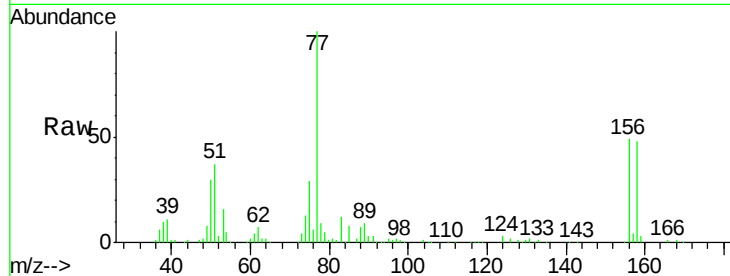
Tgt Ion:156 Resp: 58352

Ion Ratio Lower Upper

156 100

77 250.1 126.4 379.3

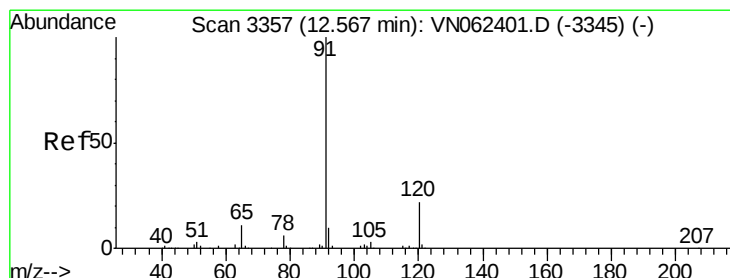
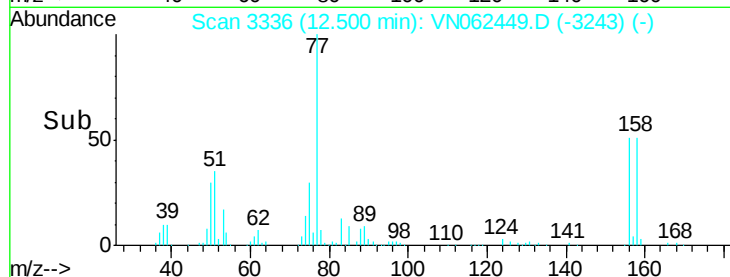
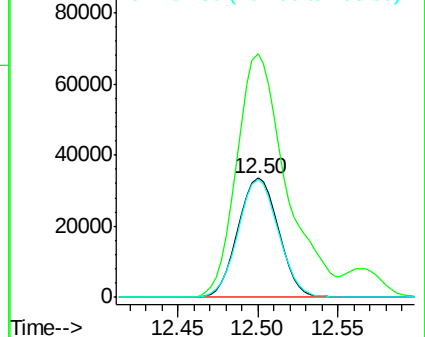
158 97.9 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.783 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062449.D

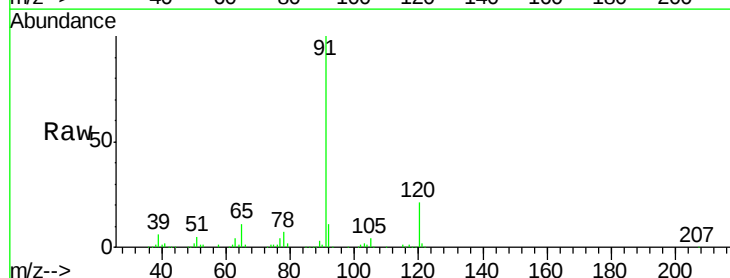
Acq: 9 Jul 2020 11:51

Tgt Ion: 91 Resp: 304919

Ion Ratio Lower Upper

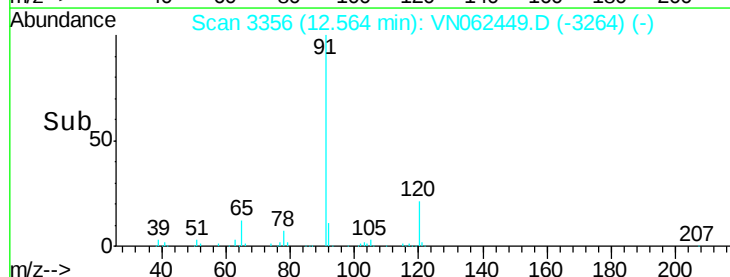
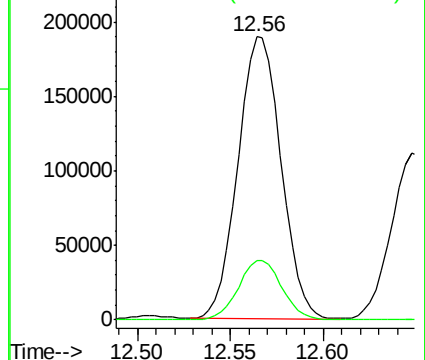
91 100

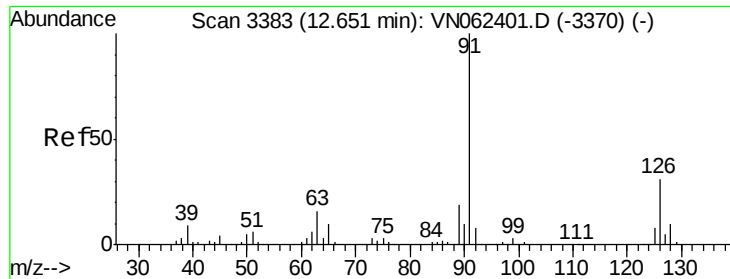
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.708 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

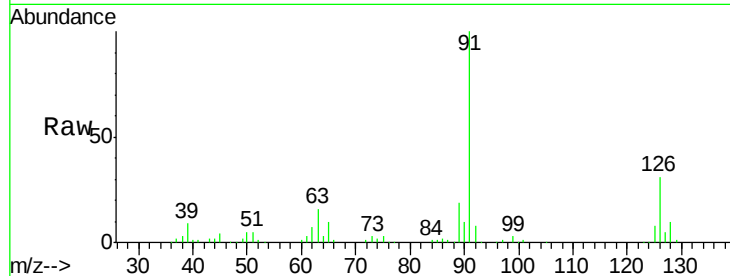
VN0709WBS01

Tgt Ion: 91 Resp: 184394

Ion Ratio Lower Upper

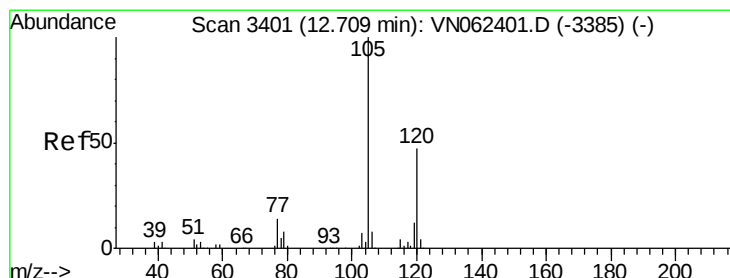
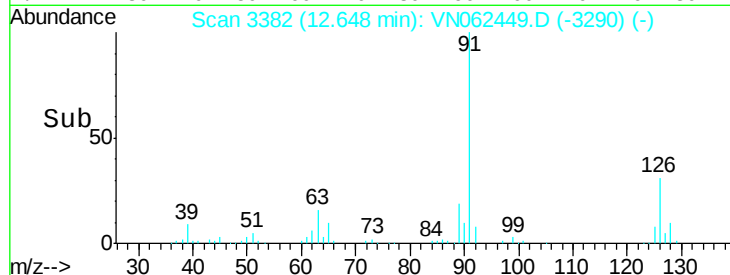
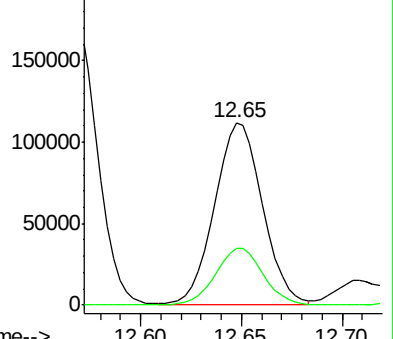
91 100

126 31.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.132 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062449.D

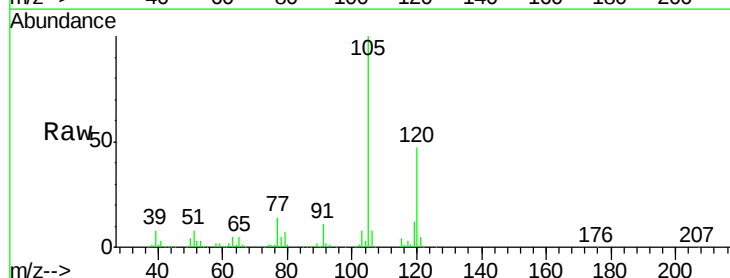
Acq: 9 Jul 2020 11:51

Tgt Ion: 105 Resp: 217580

Ion Ratio Lower Upper

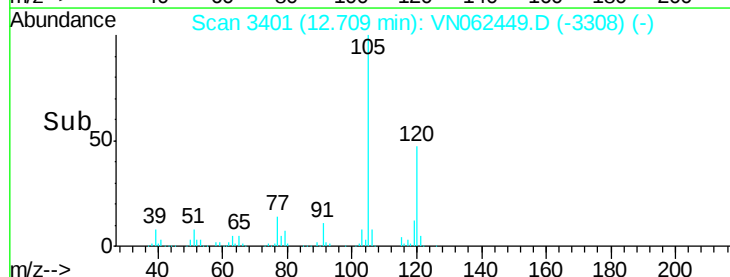
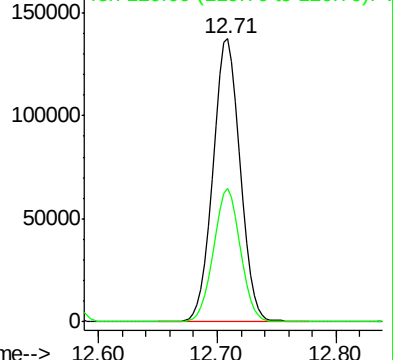
105 100

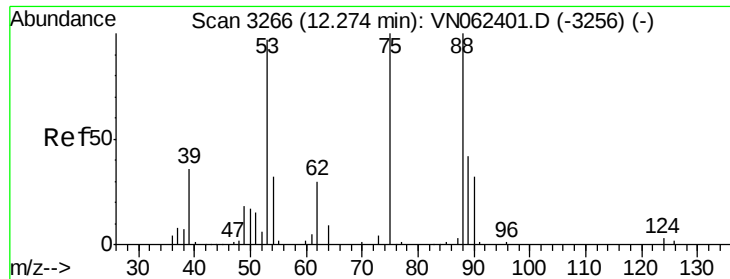
120 46.5 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.224 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

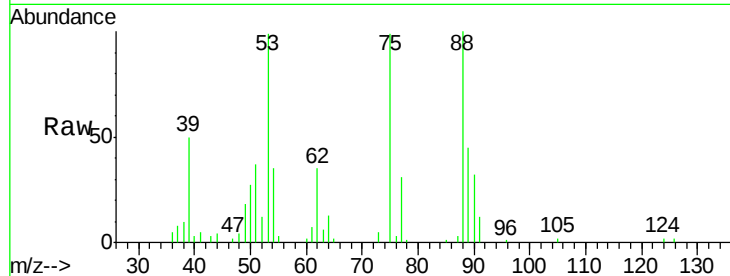
Tgt Ion: 75 Resp: 27116

Ion Ratio Lower Upper

75 100

53 104.0 79.2 118.8

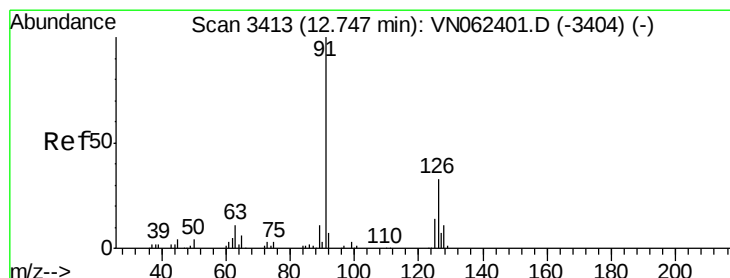
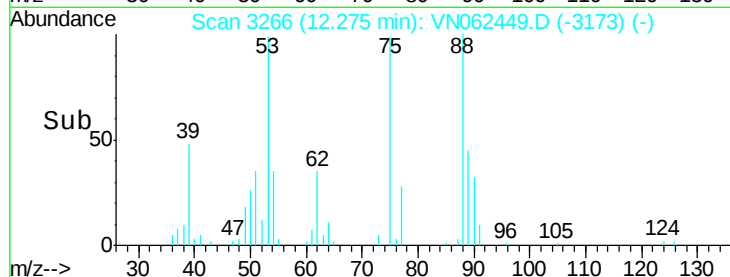
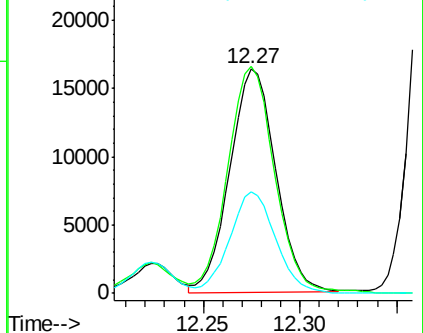
89 45.4 34.6 52.0



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: 20.476 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062449.D

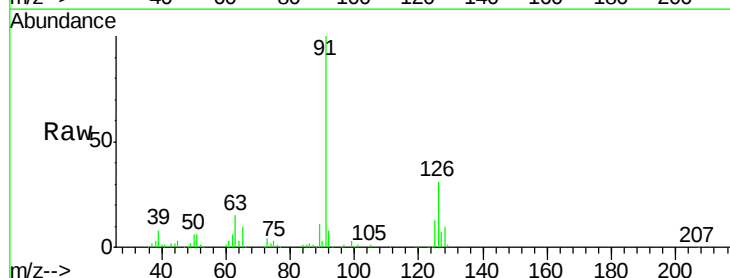
Acq: 9 Jul 2020 11:51

Tgt Ion: 91 Resp: 185100

Ion Ratio Lower Upper

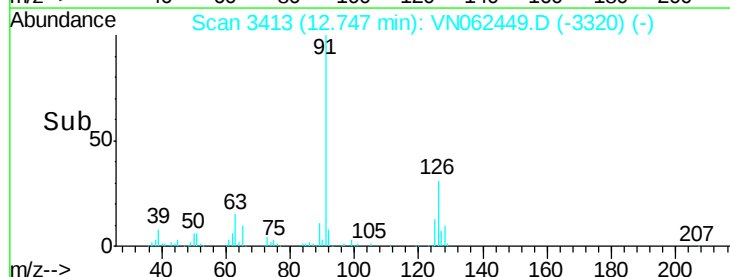
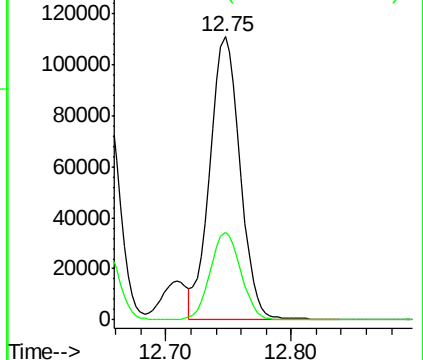
91 100

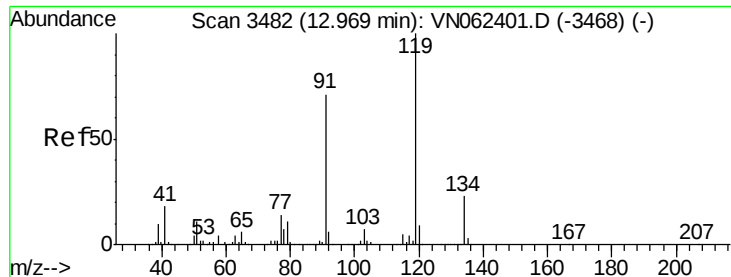
126 31.4 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

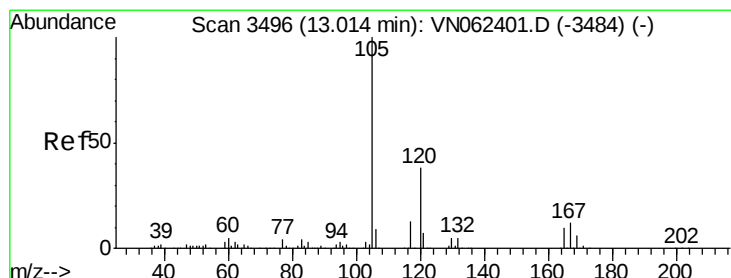
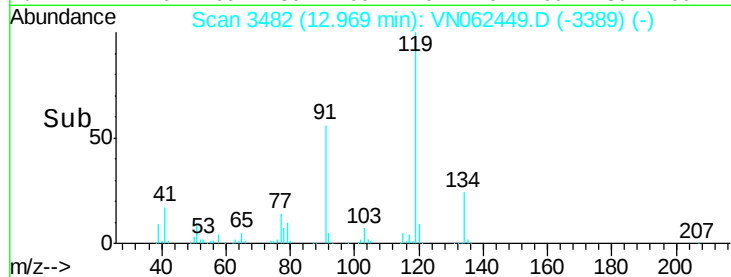
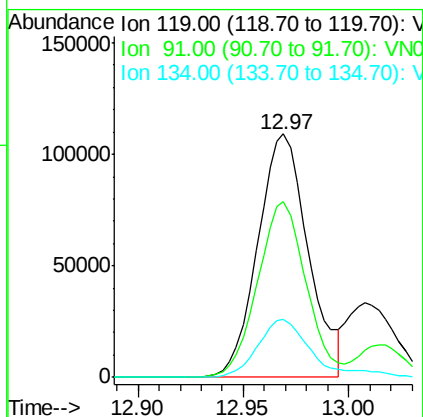
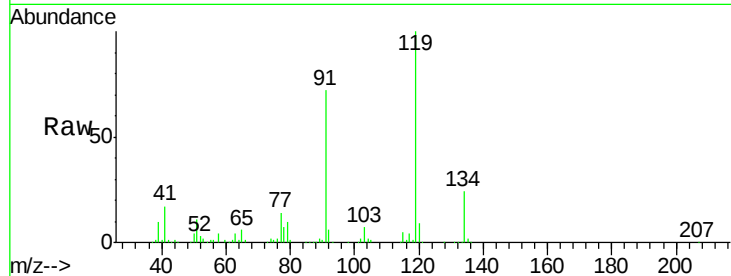




#83
 tert-Butylbenzene
 Concen: 20.810 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

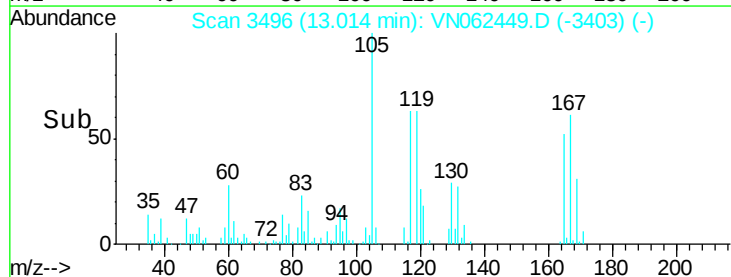
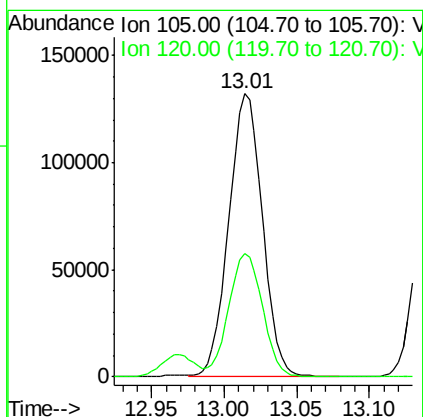
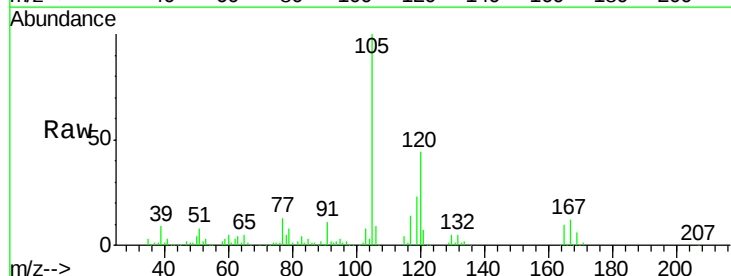
Instrument :
 MSVOA_N
 ClientSampled :
 VN0709WBS01

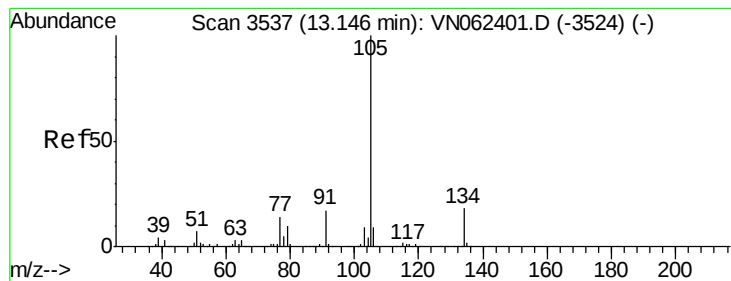
Tgt Ion:119 Resp: 181831
 Ion Ratio Lower Upper
 119 100
 91 69.4 34.8 104.3
 134 25.6 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.649 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion:105 Resp: 211333
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.6 64.8





#85

sec-Butylbenzene

Concen: 20.998 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

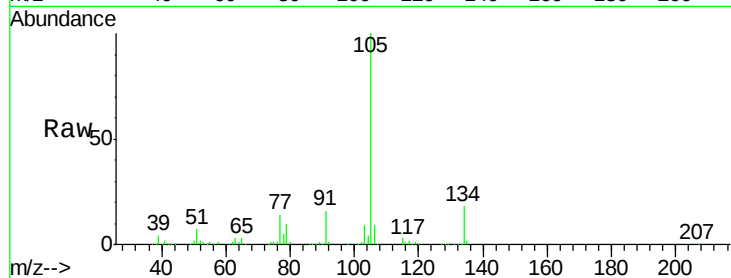
VN0709WBS01

Tgt Ion:105 Resp: 243130

Ion Ratio Lower Upper

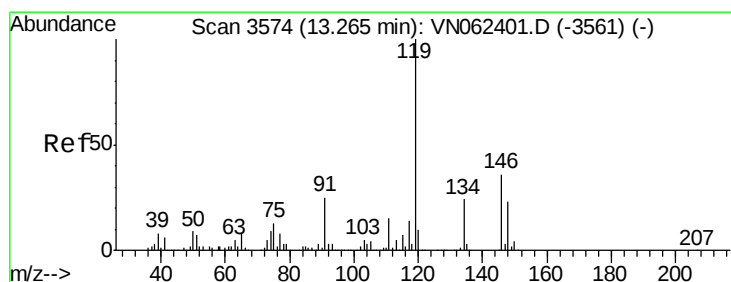
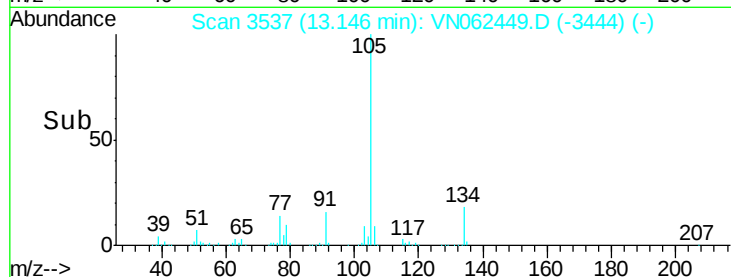
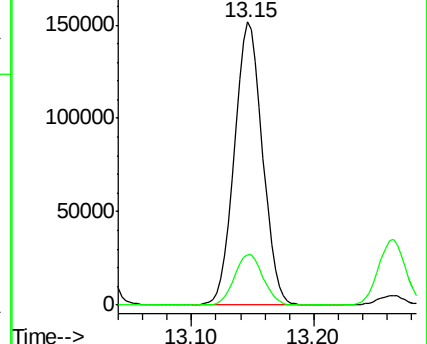
105 100

134 18.3 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.444 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

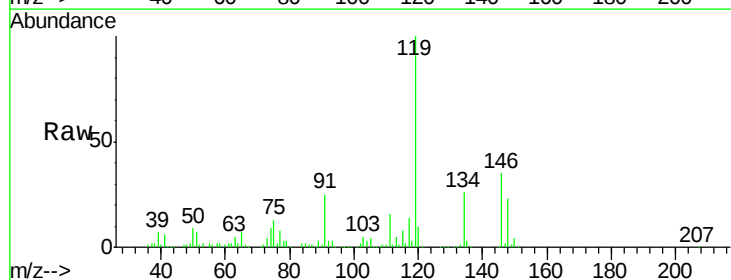
Tgt Ion:119 Resp: 214293

Ion Ratio Lower Upper

119 100

134 25.3 12.4 37.0

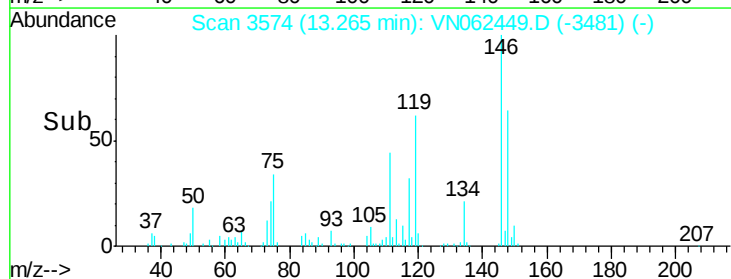
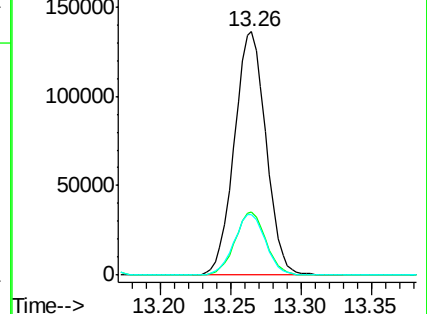
91 24.9 12.4 37.4

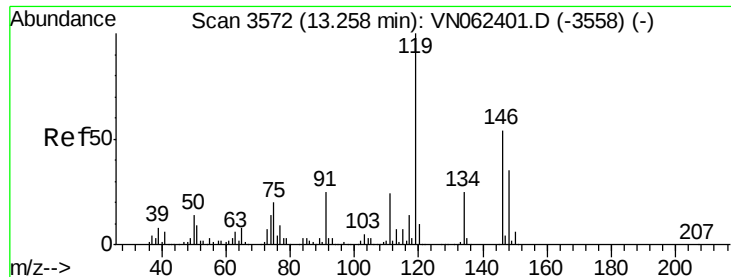


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.413 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0709WBS01

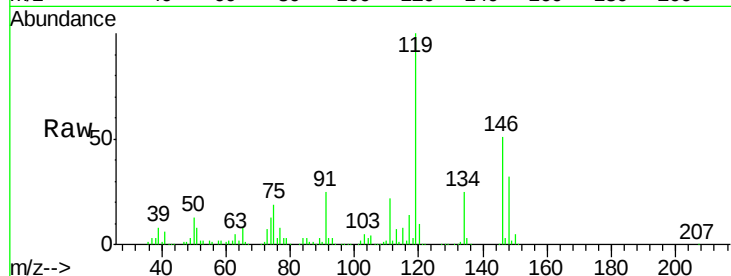
Tgt Ion:146 Resp: 100552

Ion Ratio Lower Upper

146 100

111 44.5 21.6 64.6

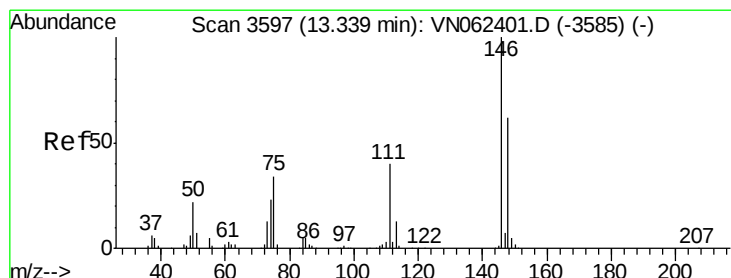
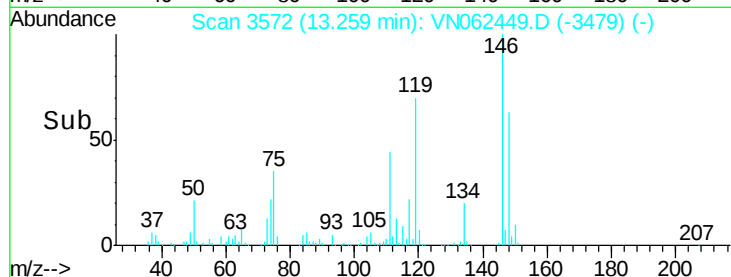
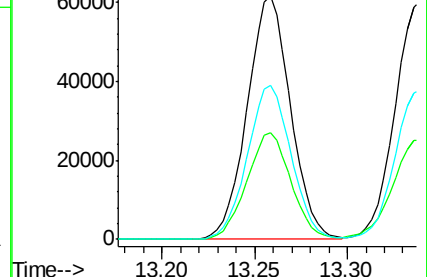
148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.866 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

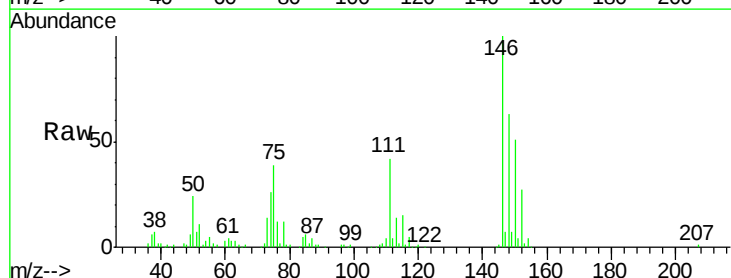
Tgt Ion:146 Resp: 100694

Ion Ratio Lower Upper

146 100

111 44.2 21.1 63.1

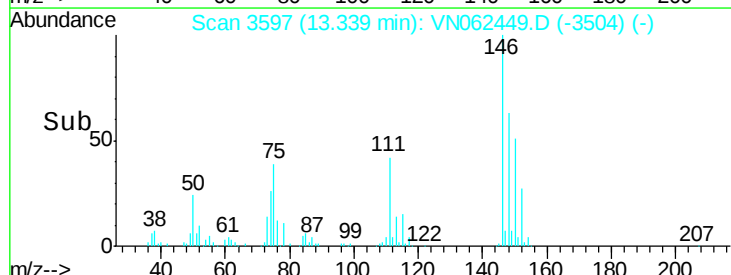
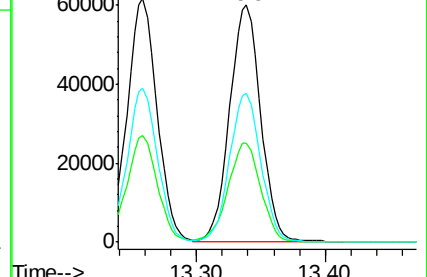
148 63.3 31.4 94.2

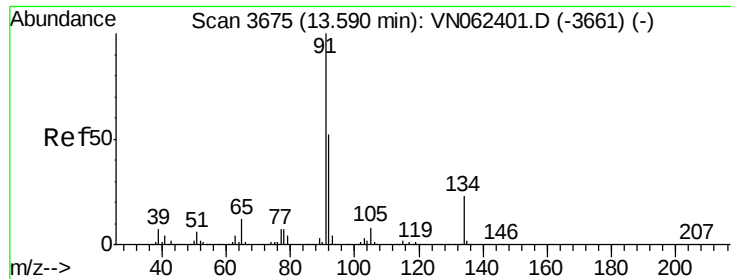


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.469 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0709WBS01

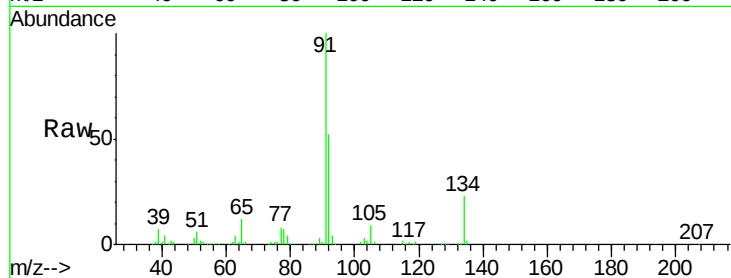
Tgt Ion: 91 Resp: 180619

Ion Ratio Lower Upper

91 100

92 51.2 25.9 77.7

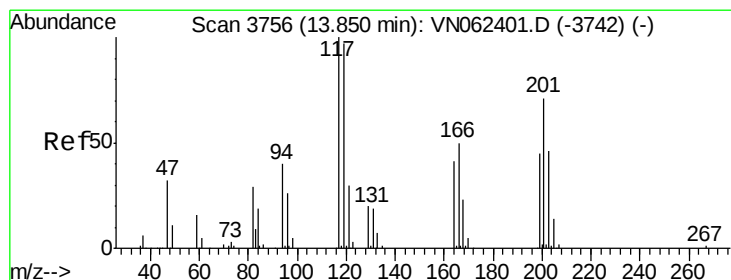
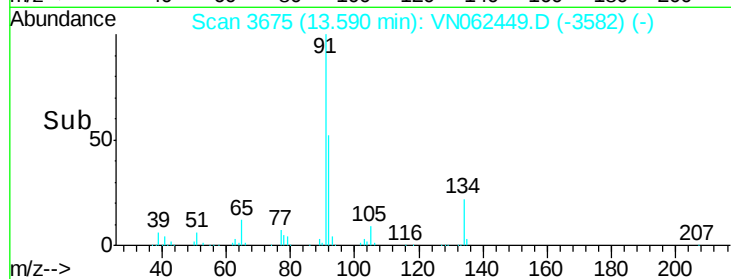
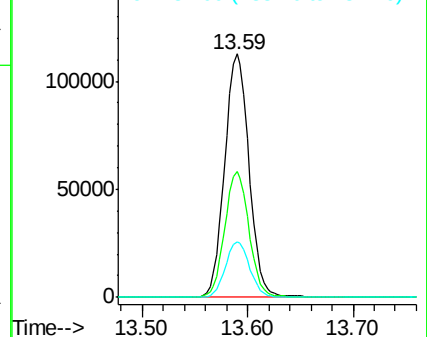
134 22.7 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062401.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062401.D (-3661) (-)



#90

Hexachloroethane

Concen: 19.711 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062449.D

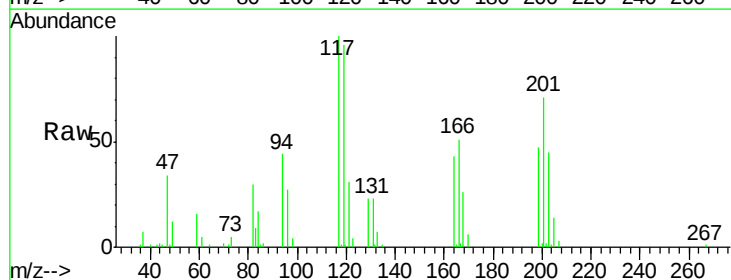
Acq: 9 Jul 2020 11:51

Tgt Ion: 117 Resp: 38749

Ion Ratio Lower Upper

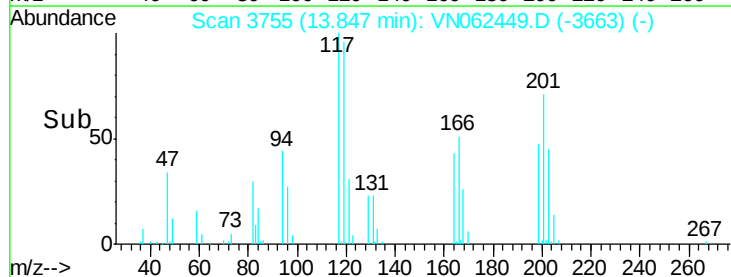
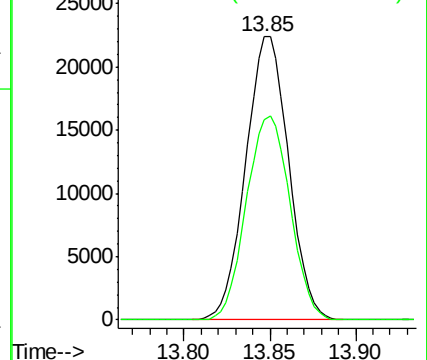
117 100

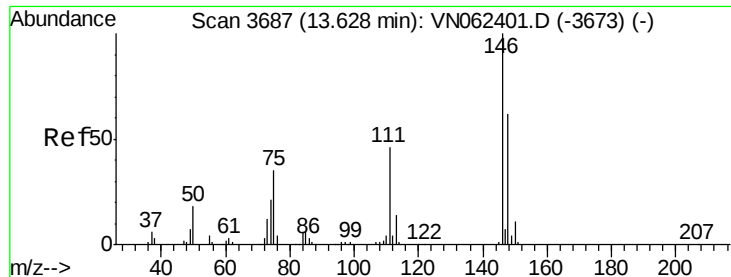
201 73.3 35.4 106.2



Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062401.D (-3742) (-)





#91

1,2-Dichlorobenzene

Concen: 20.515 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0709WBS01

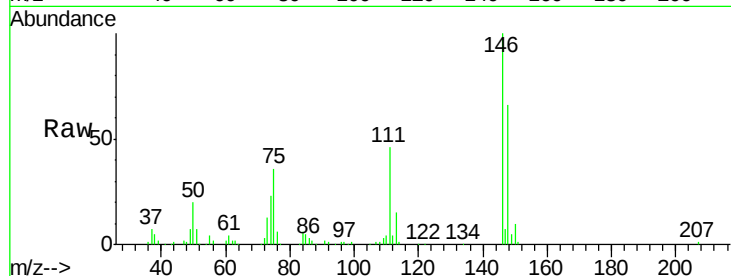
Tgt Ion:146 Resp: 97709

Ion Ratio Lower Upper

146 100

111 45.2 22.5 67.5

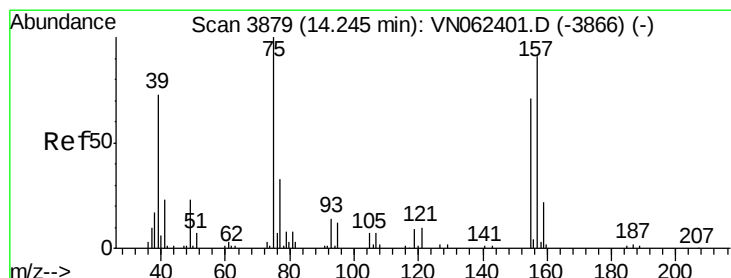
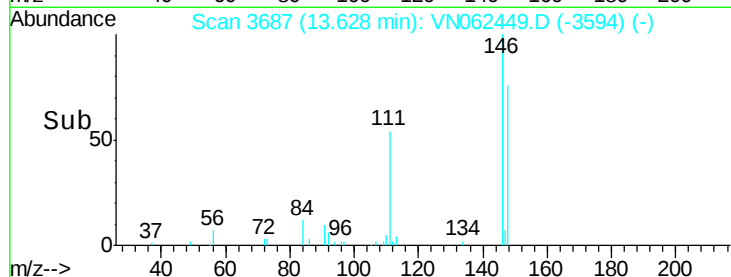
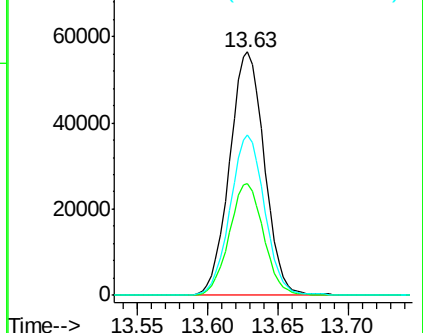
148 65.2 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.473 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

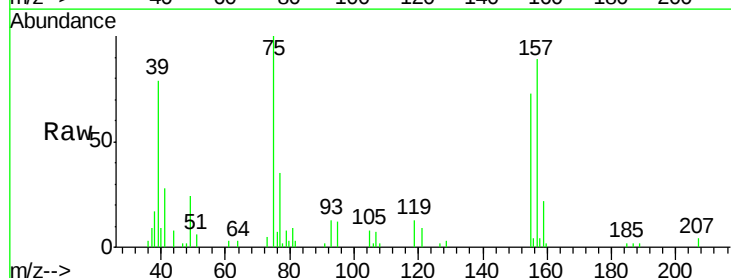
Tgt Ion: 75 Resp: 15778

Ion Ratio Lower Upper

75 100

155 70.9 35.2 105.6

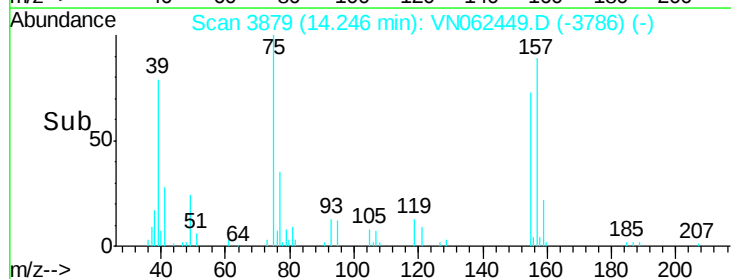
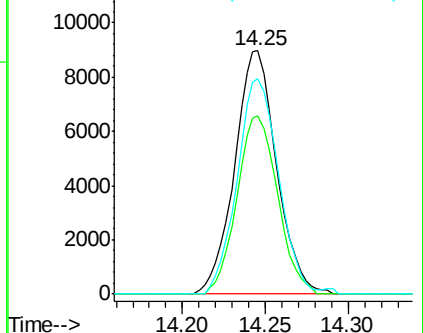
157 87.8 45.8 137.3

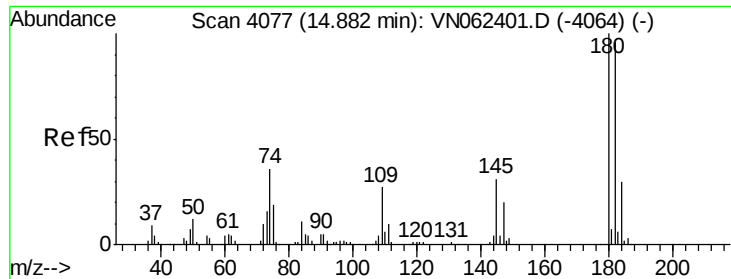


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

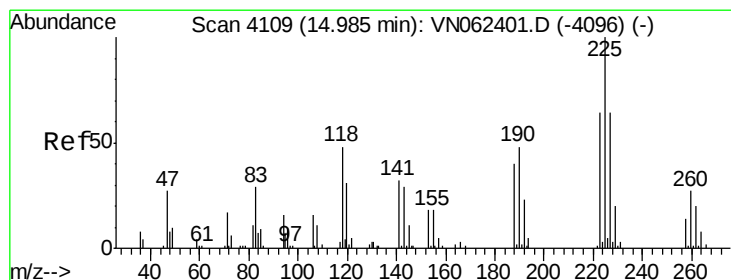
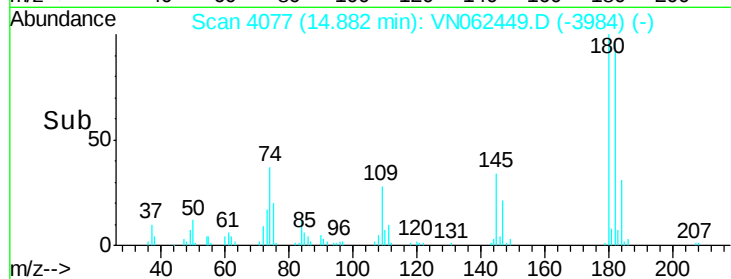
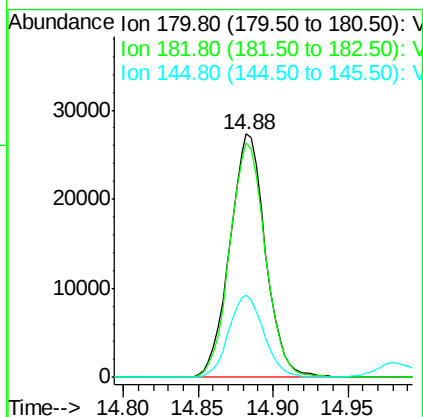
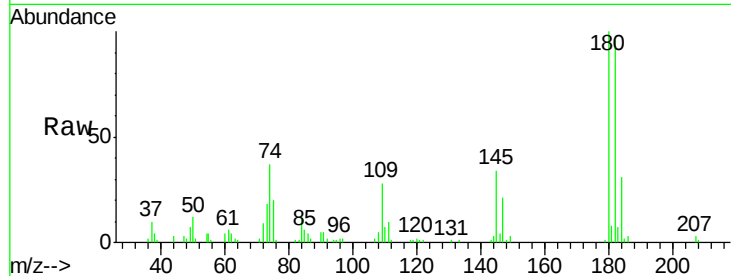




#93
 1,2,4-Trichlorobenzene
 Concen: 21.250 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

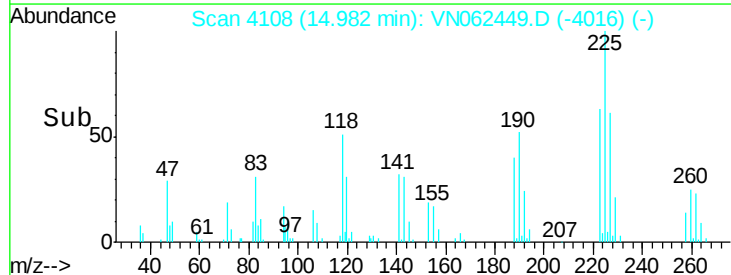
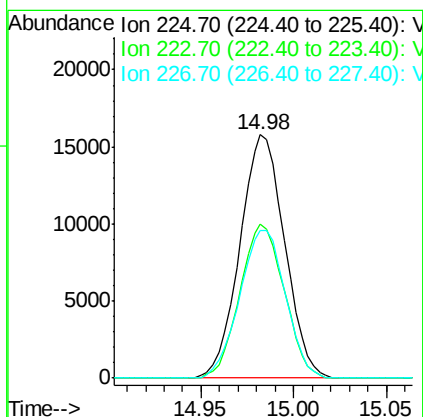
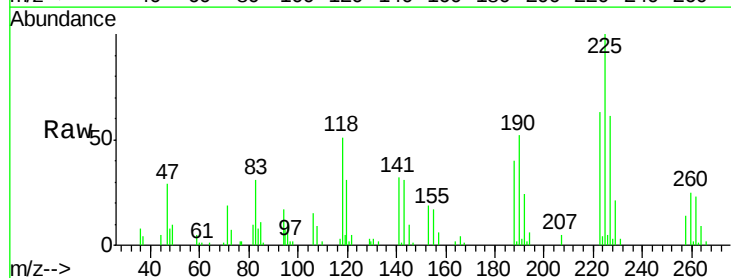
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBS01

Tgt Ion:180 Resp: 45317
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.4 145.2
 145 33.1 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 20.859 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062449.D
 Acq: 9 Jul 2020 11:51

Tgt Ion:225 Resp: 26378
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.3 96.8
 227 62.2 31.9 95.7





#95

Naphthalene

Concen: 23.481 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0709WBS01

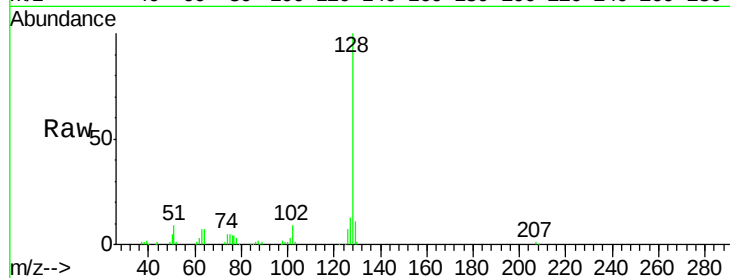
Tgt Ion:128 Resp: 136028

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

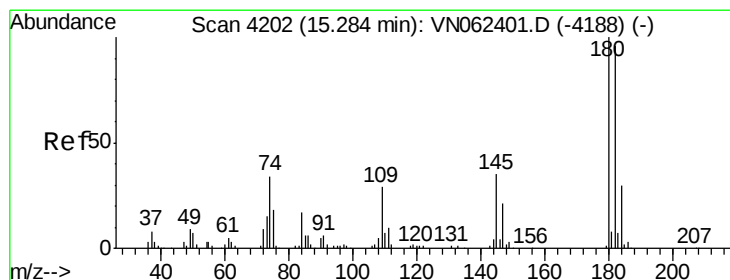
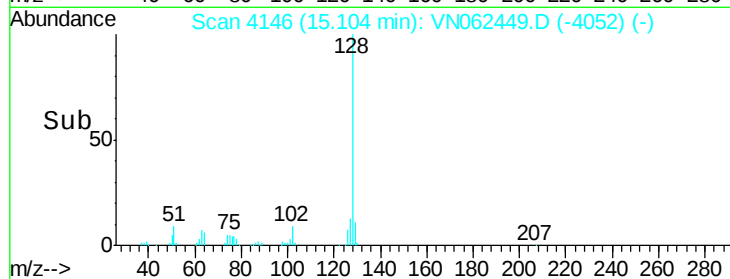
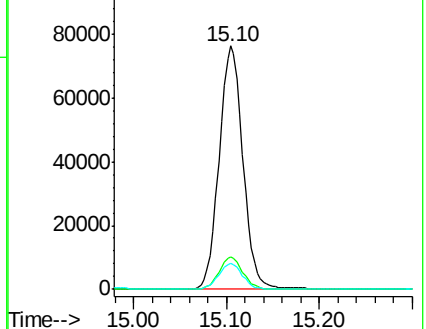
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.024 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062449.D

Acq: 9 Jul 2020 11:51

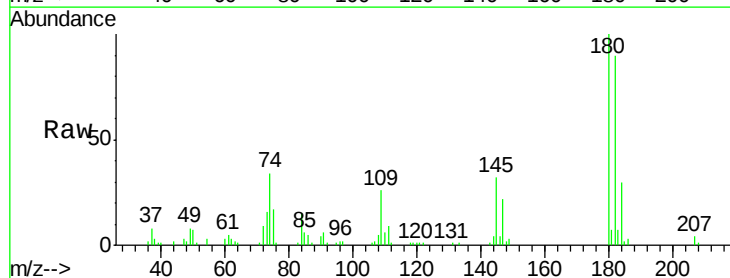
Tgt Ion:180 Resp: 48801

Ion Ratio Lower Upper

180 100

182 92.1 47.8 143.4

145 32.4 17.0 50.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

