

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062411.D
 Acq On : 8 Jul 2020 16:38
 Operator : JC/MD
 Sample : VN0708WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Quant Time: Jul 09 02:22:14 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	193701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	331810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130000	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	153874	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
35) Dibromofluoromethane	7.55	113	107873	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.06	98	425568	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.38	95	149452	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	37454	18.983	ug/l 95
3) Chloromethane	2.04	50	58362	18.435	ug/l 98
4) Vinyl Chloride	2.16	62	49214	18.974	ug/l 100
5) Bromomethane	2.53	94	27690	19.878	ug/l 99
6) Chloroethane	2.67	64	29119	19.276	ug/l 96
7) Trichlorofluoromethane	2.98	101	62821	19.071	ug/l 100
8) Diethyl Ether	3.37	74	28149	19.110	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37709	19.311	ug/l 99
10) Methyl Iodide	3.91	142	47644	18.478	ug/l 99
11) Tert butyl alcohol	4.73	59	47159	95.420	ug/l 99
12) 1,1-Dichloroethene	3.70	96	37890	19.058	ug/l 97
13) Acrolein	3.57	56	31215	87.554	ug/l 99
14) Allyl chloride	4.28	41	90008	19.250	ug/l 99
15) Acrylonitrile	4.93	53	127755	98.562	ug/l 100
16) Acetone	3.78	43	114278	90.345	ug/l 99
17) Carbon Disulfide	4.01	76	114880	18.440	ug/l 100
18) Methyl Acetate	4.28	43	59569	18.871	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	143704	19.065	ug/l 100
20) Methylene Chloride	4.50	84	49626	18.349	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	41114	19.088	ug/l 97
22) Diisopropyl ether	5.90	45	182650	19.771	ug/l 95
23) Vinyl Acetate	5.84	43	747062	97.622	ug/l 99
24) 1,1-Dichloroethane	5.80	63	92110	19.296	ug/l 100
25) 2-Butanone	6.79	43	176010	95.279	ug/l 99
26) 2,2-Dichloropropane	6.77	77	70662	19.306	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	49180	19.713	ug/l 98
28) Bromochloromethane	7.15	49	45070	17.378	ug/l 100
29) Tetrahydrofuran	7.17	42	118704	95.443	ug/l 99
30) Chloroform	7.33	83	83692	19.417	ug/l 99
31) Cyclohexane	7.62	56	83536	18.459	ug/l 94
32) 1,1,1-Trichloroethane	7.54	97	68387	19.075	ug/l 99
36) 1,1-Dichloropropene	7.75	75	63180	18.900	ug/l 99
37) Ethyl Acetate	6.88	43	74788	19.133	ug/l 99
38) Carbon Tetrachloride	7.74	117	58723	19.539	ug/l 99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	68840	19.289	ug/l	99
40) Benzene	8.00	78	193457	19.636	ug/l	99
41) Methacrylonitrile	7.12	41	28210	17.273	ug/l	87
42) 1,2-Dichloroethane	8.09	62	72243	20.025	ug/l	100
43) Isopropyl Acetate	8.13	43	122452	19.830	ug/l	99
44) Trichloroethene	8.80	130	43137	19.734	ug/l	98
45) 1,2-Dichloropropane	9.09	63	55585	19.435	ug/l	97
46) Dibromomethane	9.18	93	31892	19.759	ug/l	98
47) Bromodichloromethane	9.37	83	65803	19.069	ug/l	100
48) Methyl methacrylate	9.17	41	57782	19.076	ug/l	99
49) 1,4-Dioxane	9.17	88	16933	384.071	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	367930	99.758	ug/l	99
52) Toluene	10.13	92	111432	19.581	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	75544	19.541	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	82061	19.238	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	44510	19.886	ug/l	96
56) Ethyl methacrylate	10.40	69	74342	19.142	ug/l	100
57) 1,3-Dichloropropane	10.68	76	80186	19.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	127011	95.651	ug/l	99
59) 2-Hexanone	10.72	43	264345	98.726	ug/l	100
60) Dibromochloromethane	10.87	129	47249	19.469	ug/l	100
61) 1,2-Dibromoethane	10.98	107	43567	19.282	ug/l	99
64) Tetrachloroethene	10.60	164	35607	19.909	ug/l	95
65) Chlorobenzene	11.41	112	114391	19.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	41714	19.311	ug/l	98
67) Ethyl Benzene	11.48	91	213244	19.394	ug/l	100
68) m/p-Xylenes	11.60	106	154950	39.808	ug/l	98
69) o-Xylene	11.92	106	75192	19.841	ug/l	96
70) Styrene	11.94	104	123218	19.673	ug/l	99
71) Bromoform	12.10	173	31297	19.764	ug/l #	97
73) Isopropylbenzene	12.22	105	200660	19.947	ug/l	99
74) N-amyl acetate	12.05	43	98253	20.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68275	20.185	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	88694	27.806	ug/l #	100
77) Bromobenzene	12.50	156	45505	19.897	ug/l	98
78) n-propylbenzene	12.57	91	233580	19.878	ug/l	100
79) 2-Chlorotoluene	12.65	91	139603	19.575	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	167268	20.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	22513	18.891	ug/l	98
82) 4-Chlorotoluene	12.75	91	143343	19.798	ug/l	99
83) tert-Butylbenzene	12.97	119	137883	19.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	159819	19.497	ug/l	98
85) sec-Butylbenzene	13.15	105	184775	19.925	ug/l	100
86) p-Isopropyltoluene	13.27	119	158721	19.830	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	78166	19.812	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	78531	19.345	ug/l	98
89) n-Butylbenzene	13.59	91	131054	18.544	ug/l	100
90) Hexachloroethane	13.85	117	30560	19.410	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	76950	20.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12517	20.278	ug/l	95

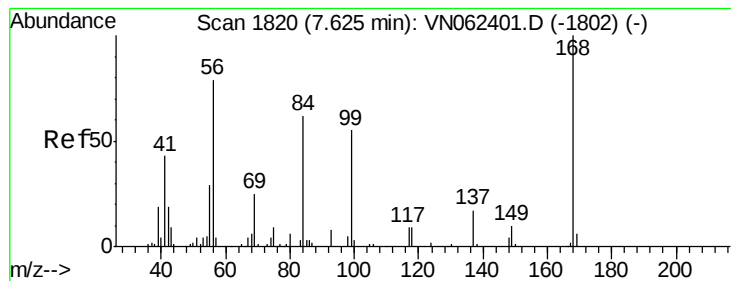
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	33911	19.877	ug/l	98
94) Hexachlorobutadiene	14.98	225	20620	20.359	ug/l	99
95) Naphthalene	15.10	128	94133	20.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	34578	18.970	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

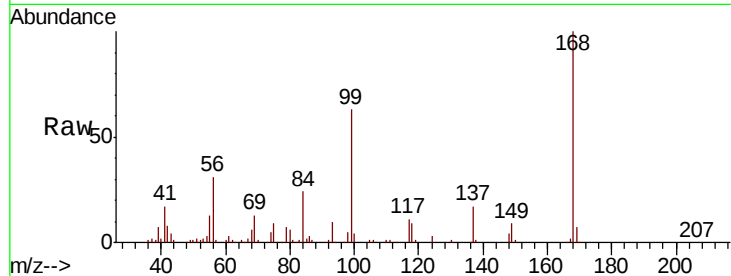
VN0708WBSD01

Tot Ion:168 Resp: 193701

Ion Ratio Lower Upper

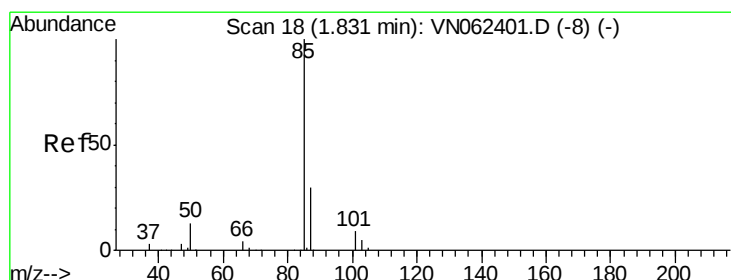
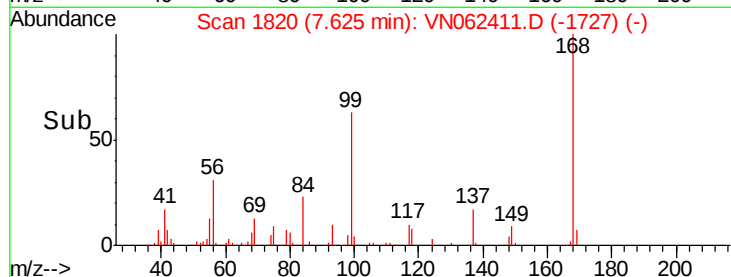
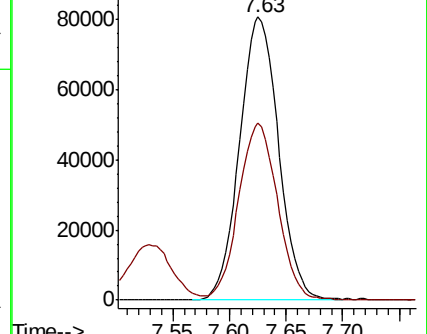
168 100

99 62.4 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.983 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062411.D

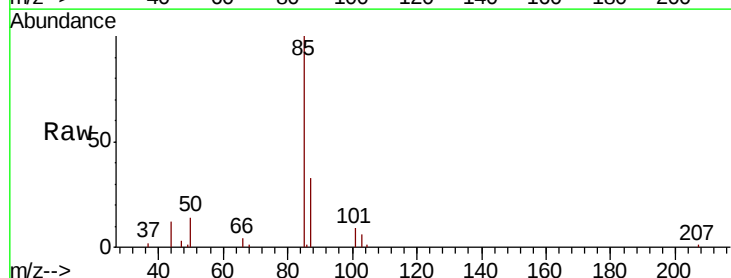
Acq: 8 Jul 2020 16:38

Tgt Ion: 85 Resp: 37454

Ion Ratio Lower Upper

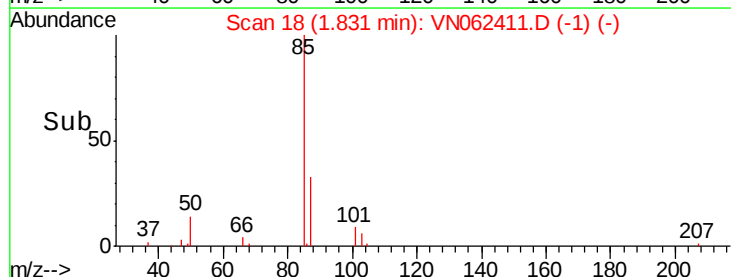
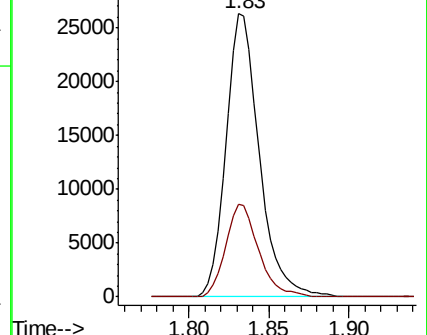
85 100

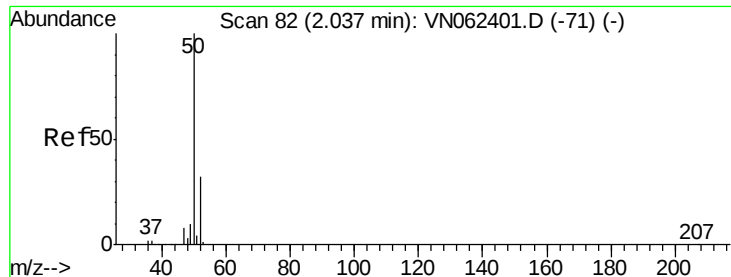
87 32.8 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.435 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

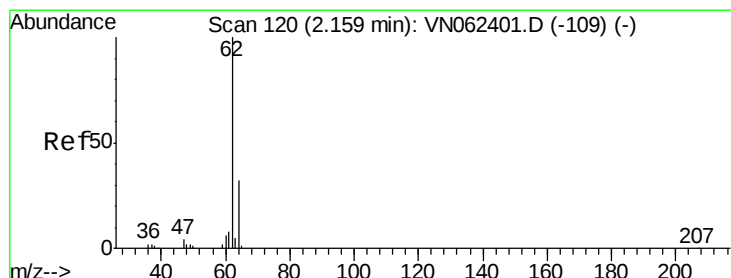
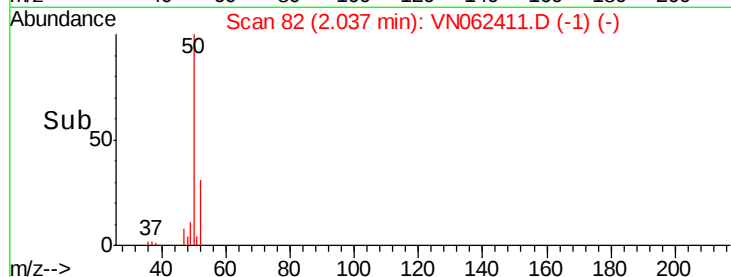
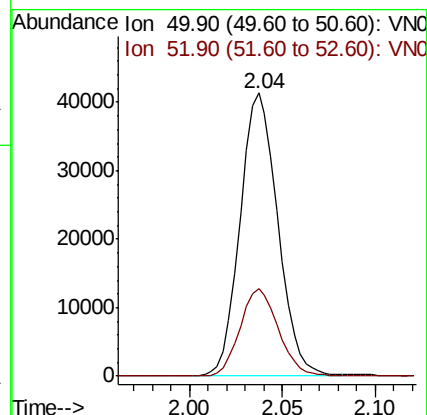
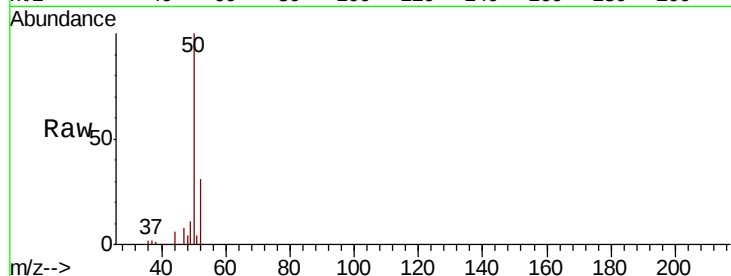
VN0708WBSD01

Tot Ion: 50 Resp: 58362

Ion Ratio Lower Upper

50 100

52 30.9 25.5 38.3



#4

Vinyl Chloride

Concen: 18.974 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062411.D

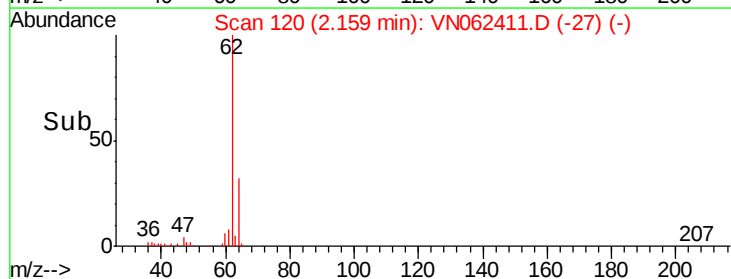
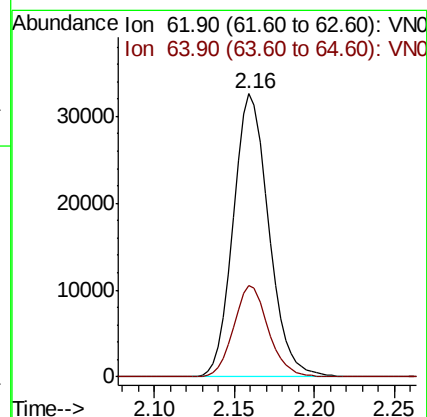
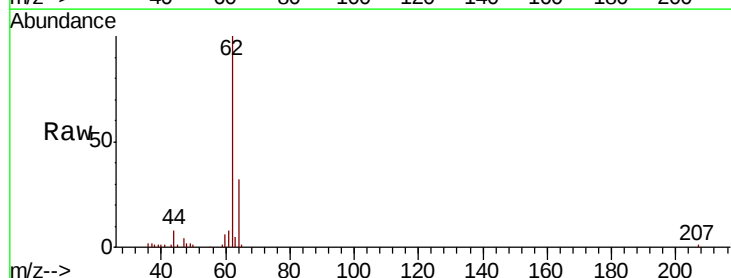
Acq: 8 Jul 2020 16:38

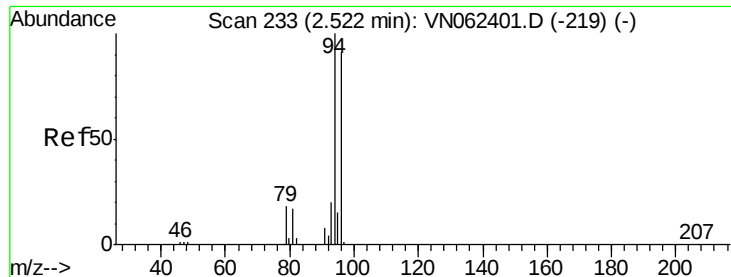
Tgt Ion: 62 Resp: 49214

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 19.878 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

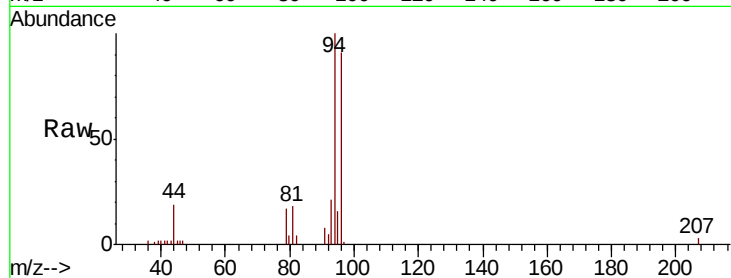
VN0708WBSD01

Tot Ion: 94 Resp: 27690

Ion Ratio Lower Upper

94 100

96 91.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

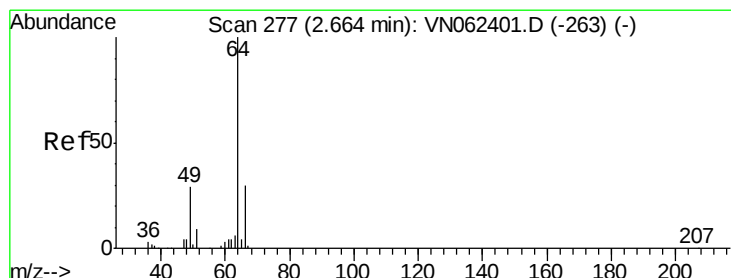
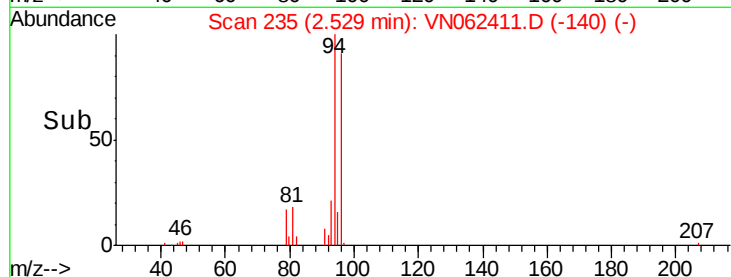
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.276 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062411.D

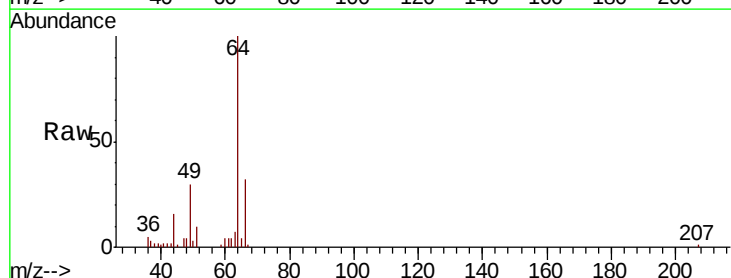
Acq: 8 Jul 2020 16:38

Tgt Ion: 64 Resp: 29119

Ion Ratio Lower Upper

64 100

66 32.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

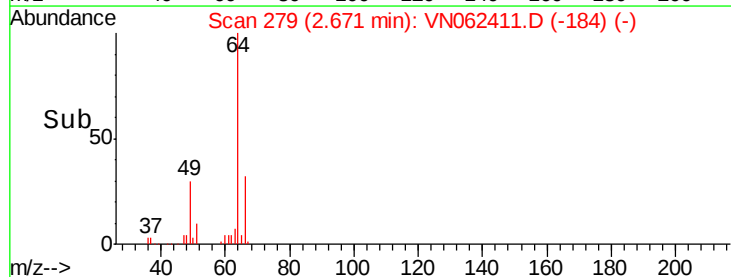
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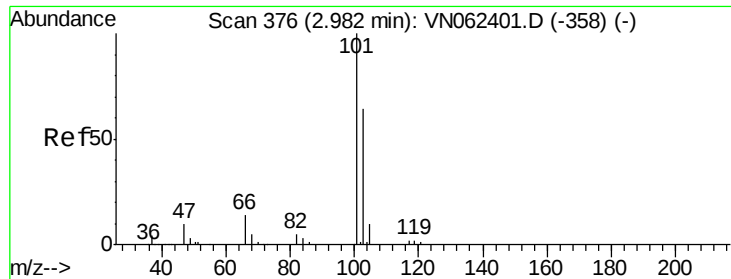
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5000

0

Time-->



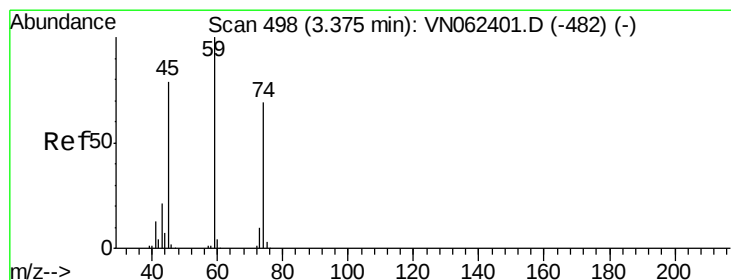
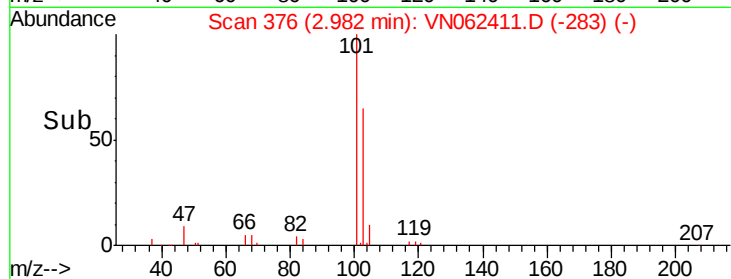
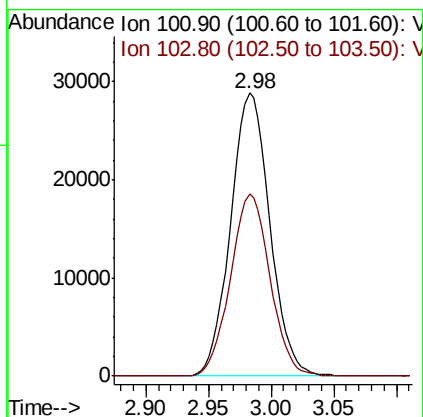
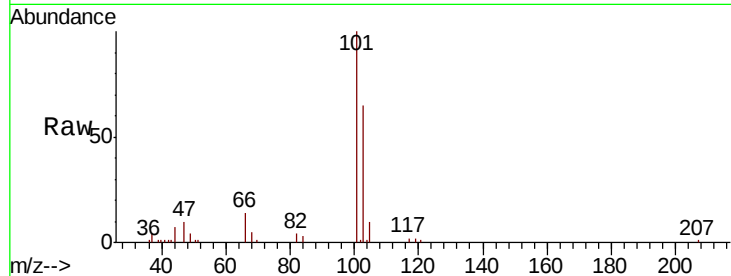


#7

Trichlorofluoromethane
 Concen: 19.071 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

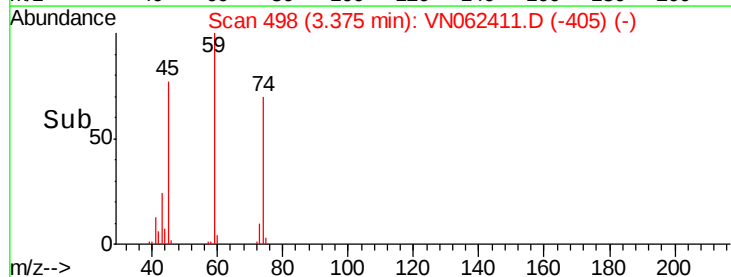
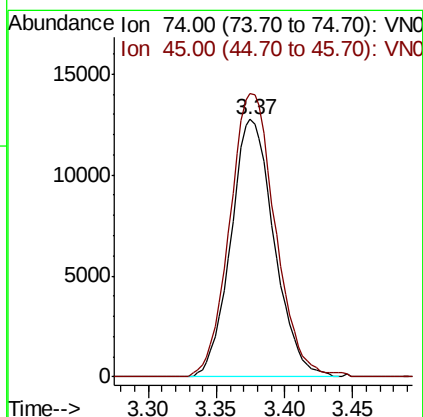
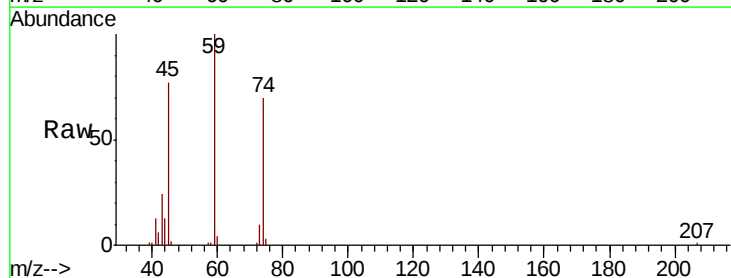
Tot Ion:101 Resp: 62821
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.6 77.4

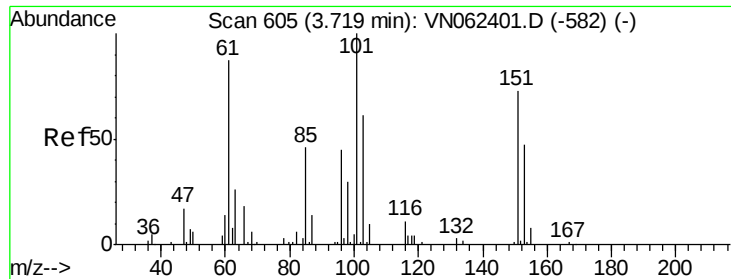


#8

Diethyl Ether
 Concen: 19.110 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion: 74 Resp: 28149
 Ion Ratio Lower Upper
 74 100
 45 115.2 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.311 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

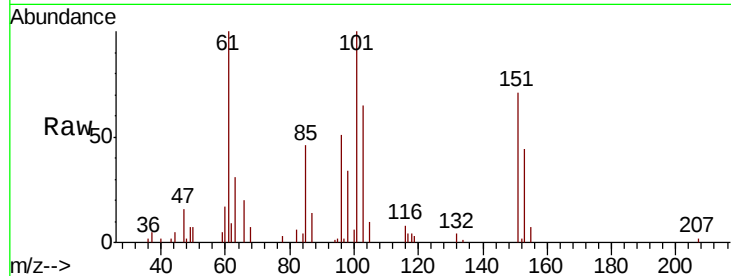
Tot Ion:101 Resp: 37709

Ion Ratio Lower Upper

101 100

85 47.3 36.7 55.1

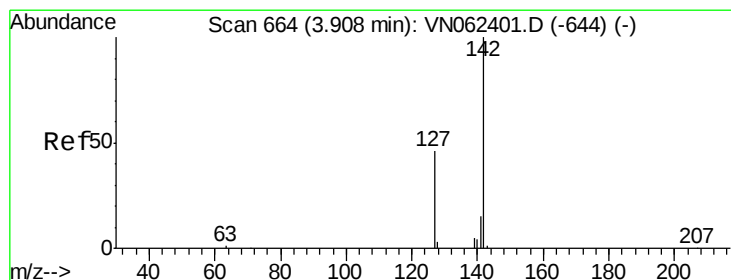
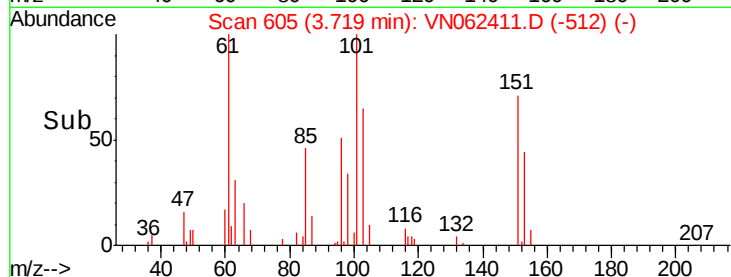
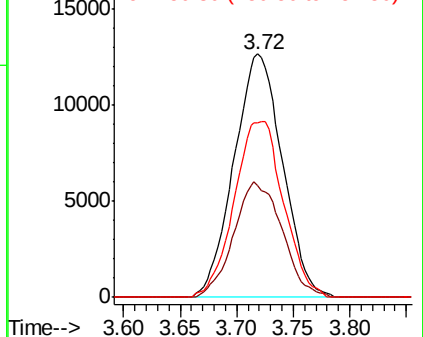
151 73.3 58.3 87.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.478 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

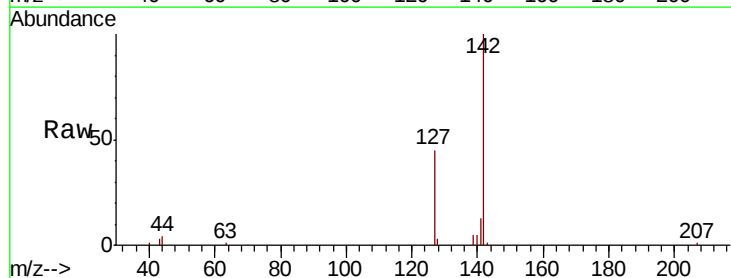
Tgt Ion:142 Resp: 47644

Ion Ratio Lower Upper

142 100

127 44.5 36.1 54.1

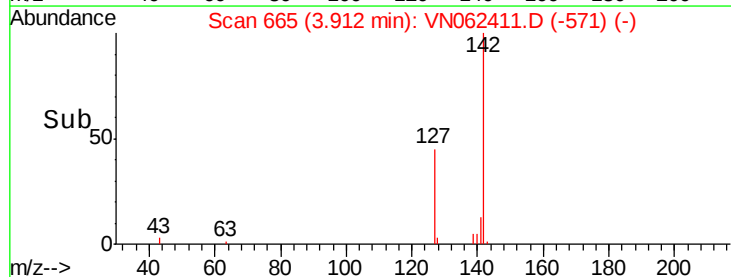
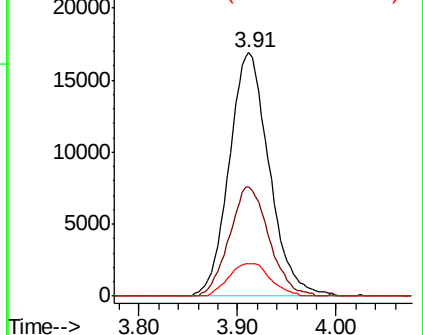
141 13.9 11.4 17.0

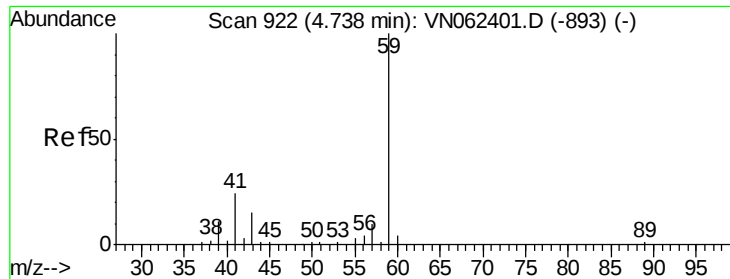


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

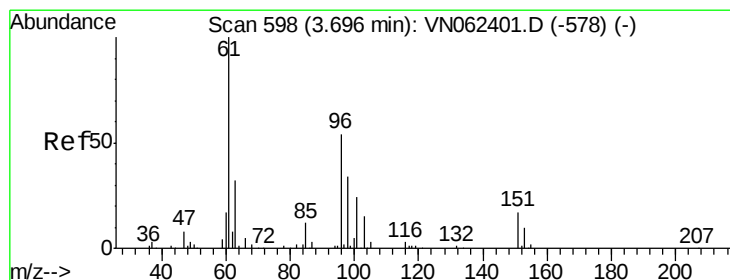
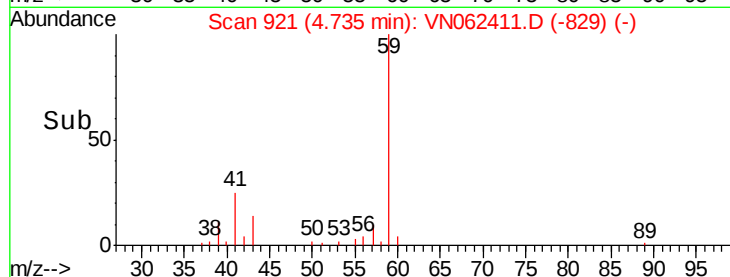
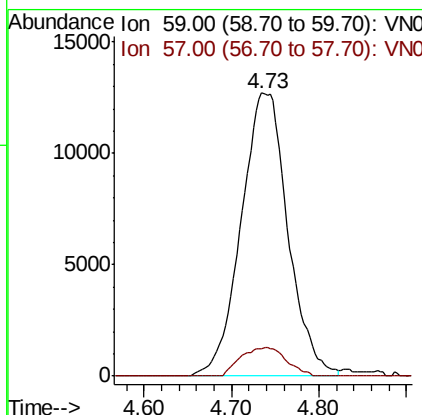
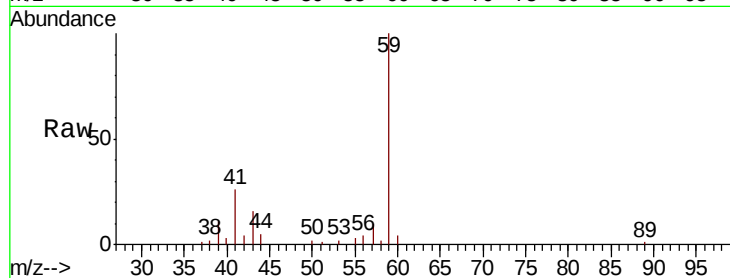




#11
Tert butyl alcohol
Concen: 95.420 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

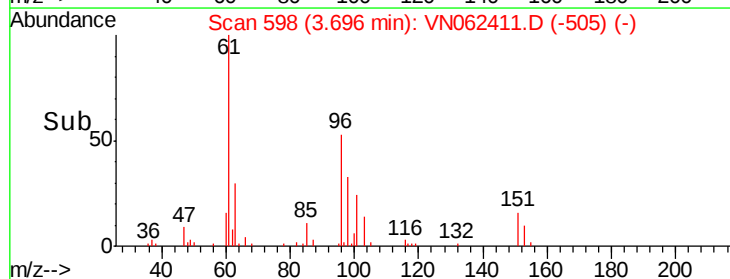
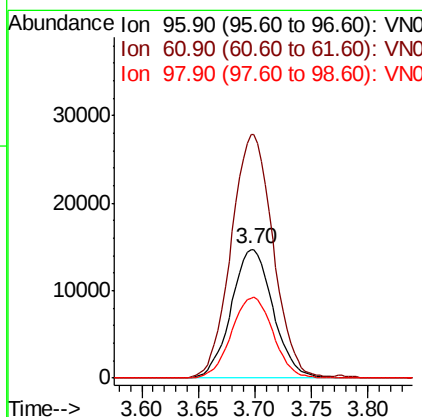
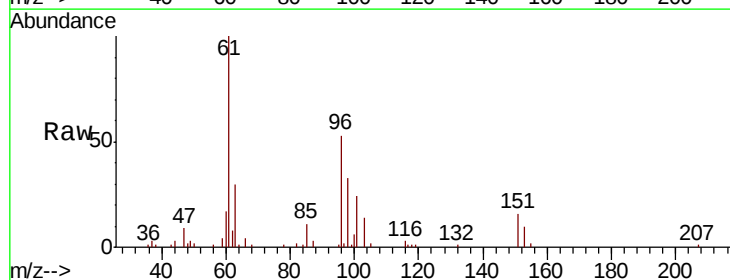
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

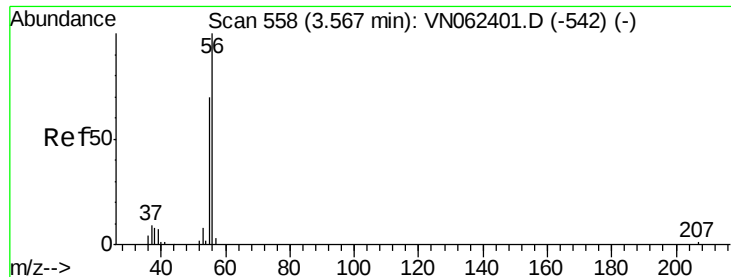
Tot Ion: 59 Resp: 47159
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.6



#12
1,1-Dichloroethene
Concen: 19.058 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 96 Resp: 37890
Ion Ratio Lower Upper
96 100
61 188.7 147.4 221.0
98 62.3 50.4 75.6





#13

Acrolein

Concen: 87.554 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

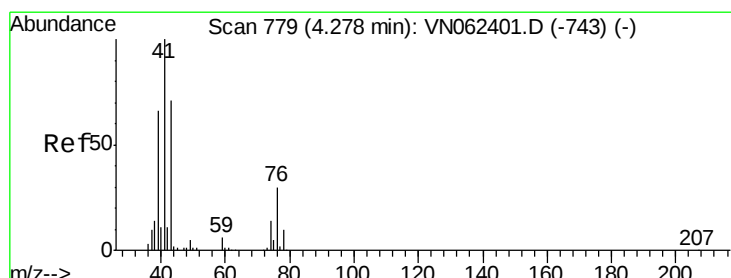
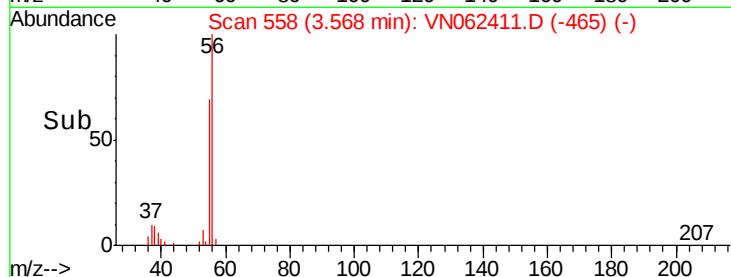
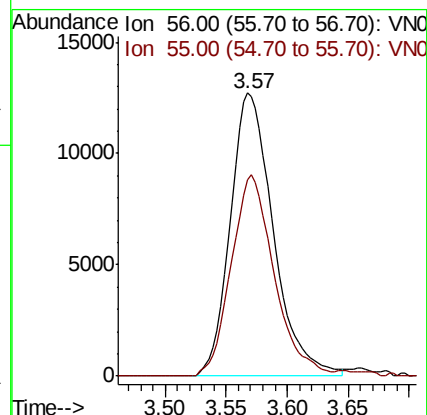
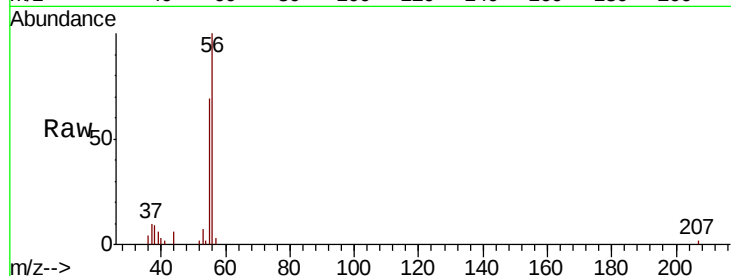
VN0708WBSD01

Tot Ion: 56 Resp: 31215

Ion Ratio Lower Upper

56 100

55 70.8 57.2 85.8



#14

Allyl chloride

Concen: 19.250 ug/l

RT: 4.28 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

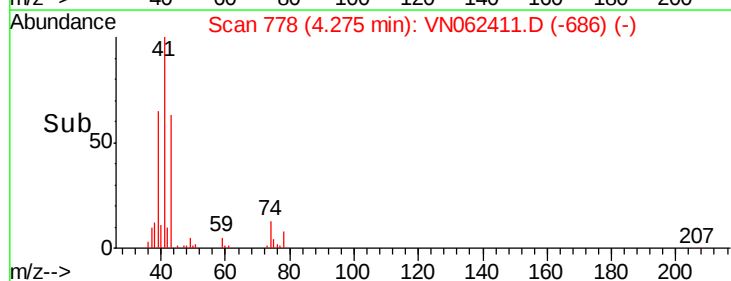
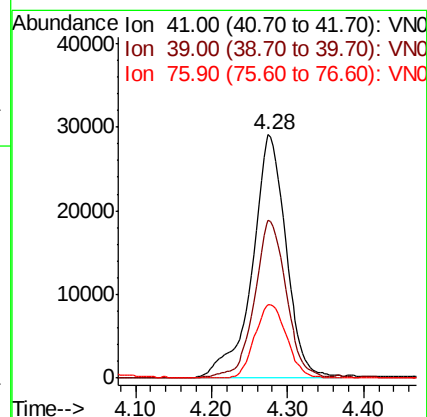
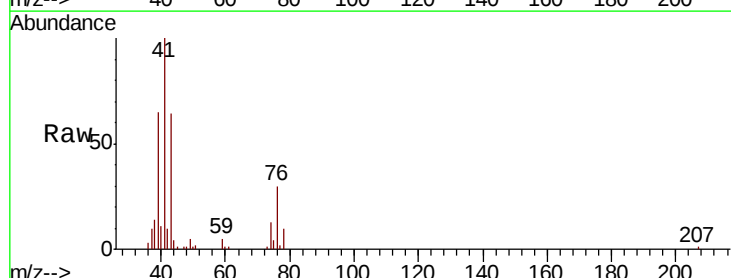
Tgt Ion: 41 Resp: 90008

Ion Ratio Lower Upper

41 100

39 61.2 49.6 74.4

76 28.5 22.2 33.4





#15

Acrylonitrile

Concen: 98.562 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

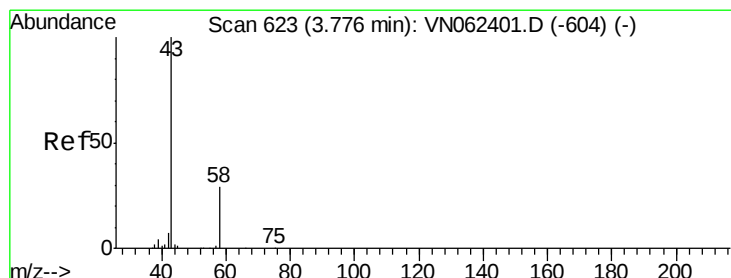
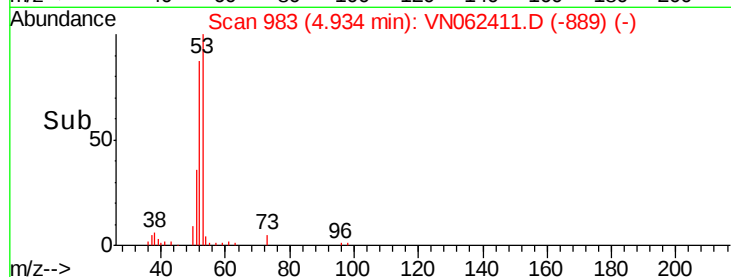
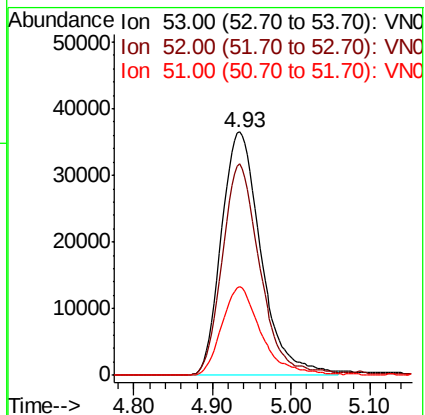
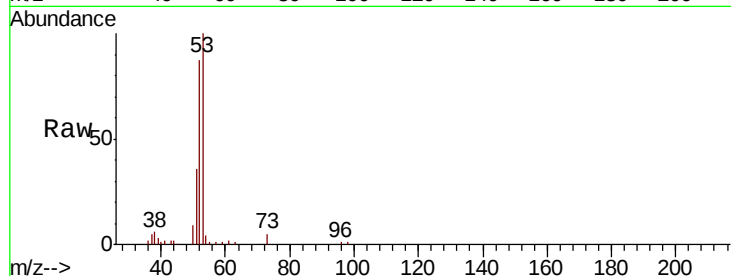
Tot Ion: 53 Resp: 127755

Ion Ratio Lower Upper

53 100

52 82.8 66.2 99.4

51 36.1 28.7 43.1



#16

Acetone

Concen: 90.345 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062411.D

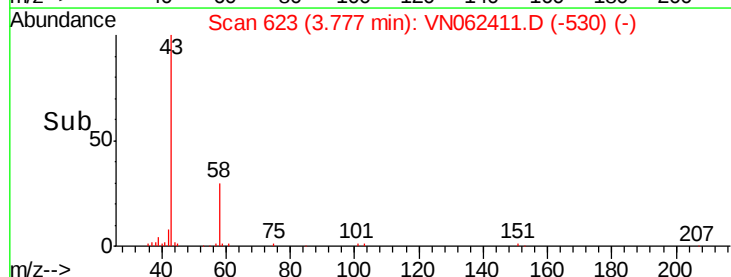
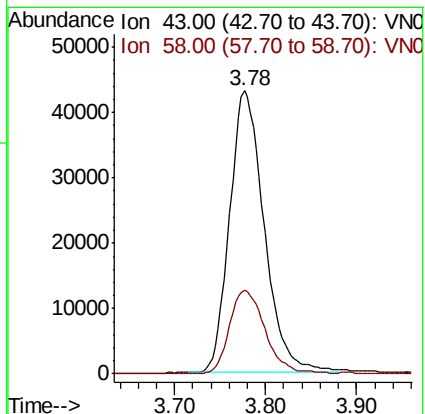
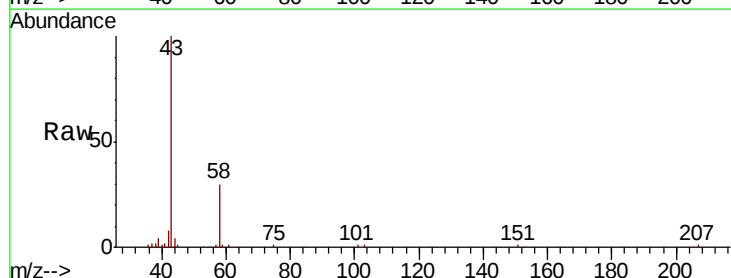
Acq: 8 Jul 2020 16:38

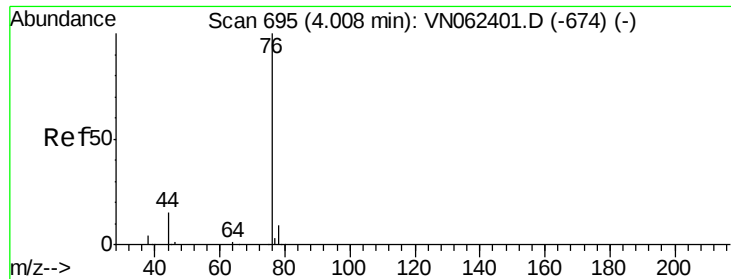
Tgt Ion: 43 Resp: 114278

Ion Ratio Lower Upper

43 100

58 29.7 23.5 35.3

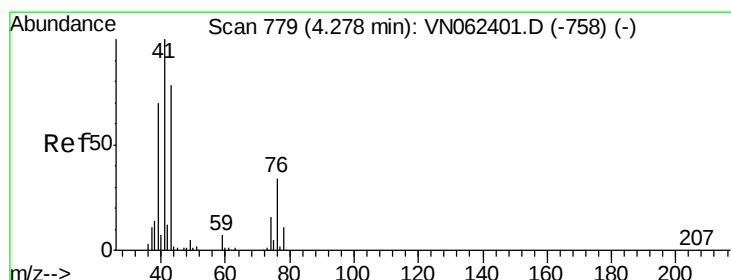
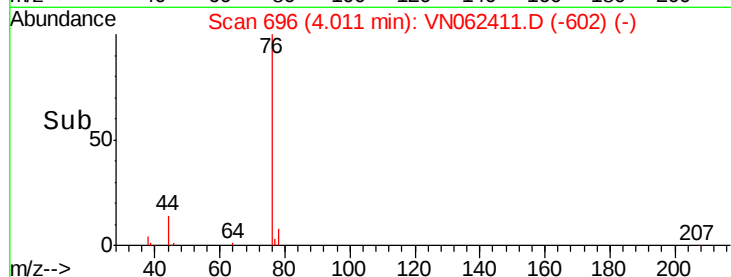
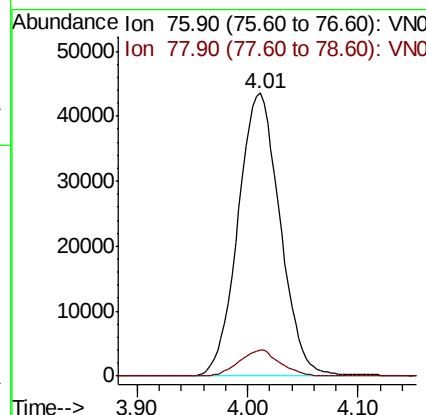
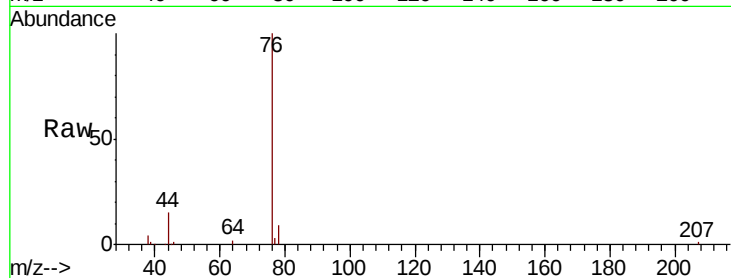




#17
Carbon Disulfide
Concen: 18.440 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

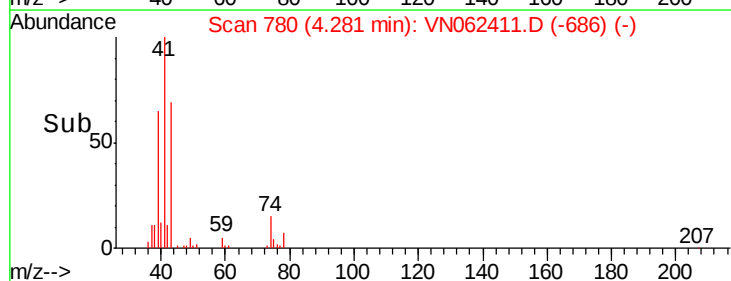
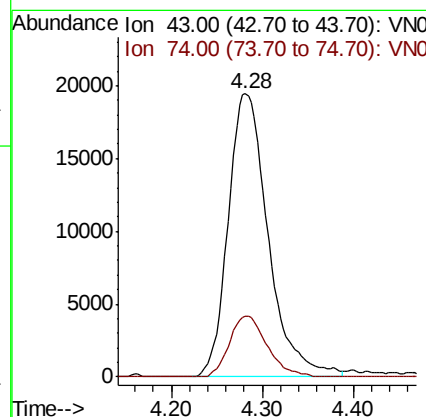
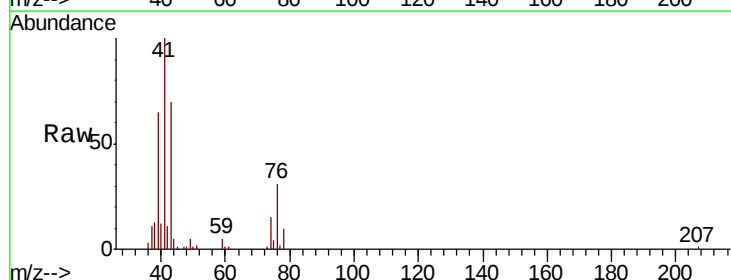
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

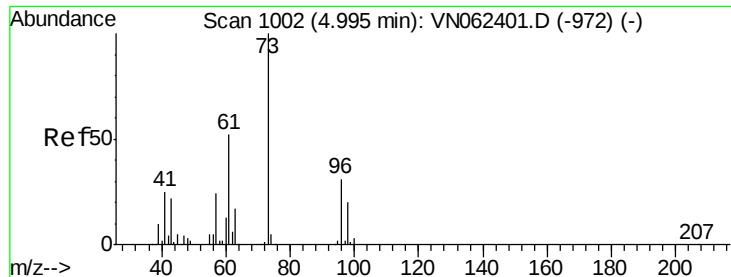
Tot Ion: 76 Resp: 114880
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 18.871 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 43 Resp: 59569
Ion Ratio Lower Upper
43 100
74 20.1 16.0 24.0

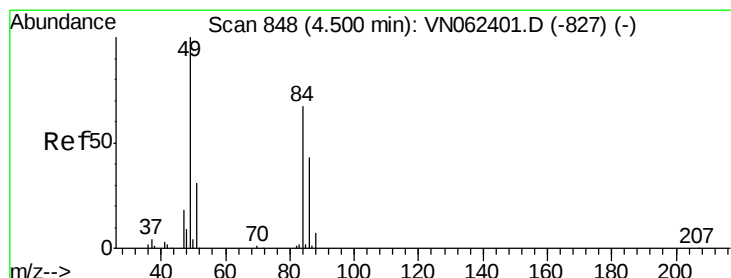
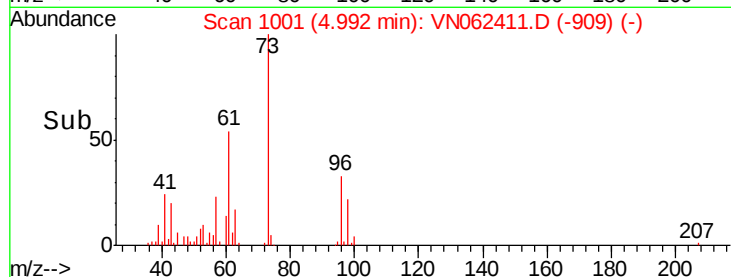
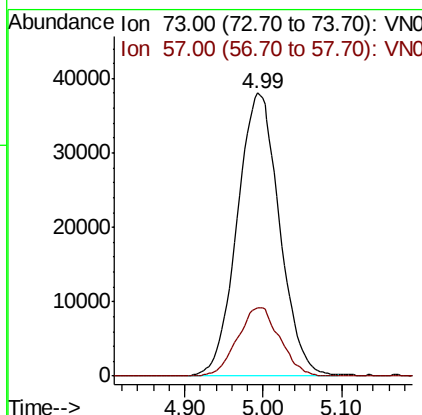
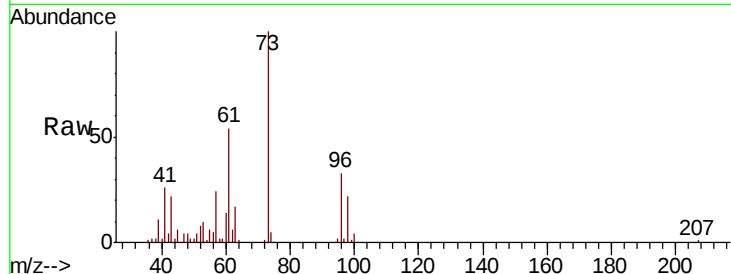




#19
Methvl tert-butvl Ether
Concen: 19.065 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

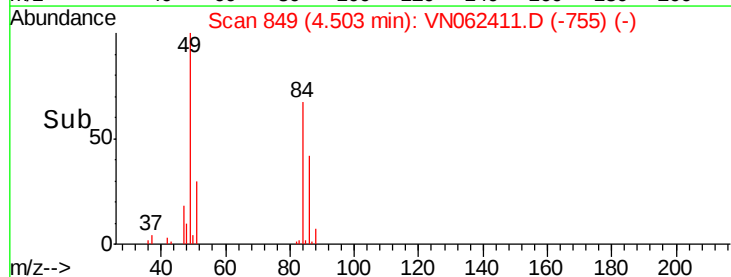
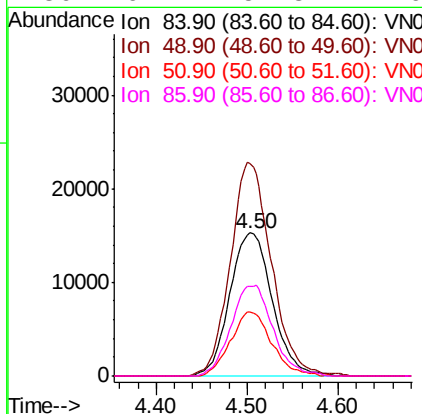
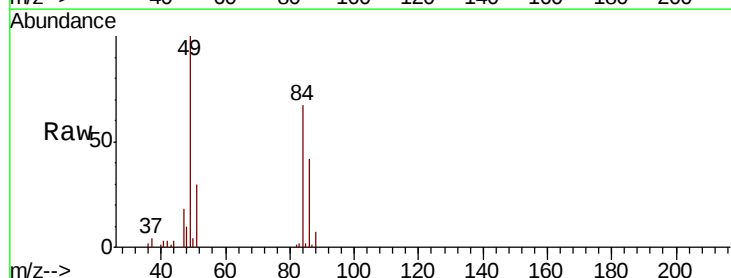
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

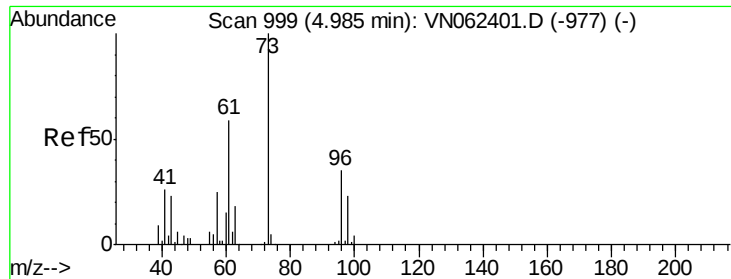
Tot Ion: 73 Resp: 143704
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.0



#20
Methylene Chloride
Concen: 18.349 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 84 Resp: 49626
Ion Ratio Lower Upper
84 100
49 148.4 120.0 180.0
51 44.5 37.0 55.6
86 62.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.088 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

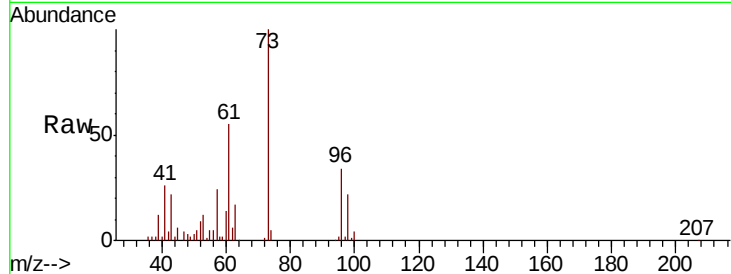
Tot Ion: 96 Resp: 41114

Ion Ratio Lower Upper

96 100

61 161.9 133.5 200.3

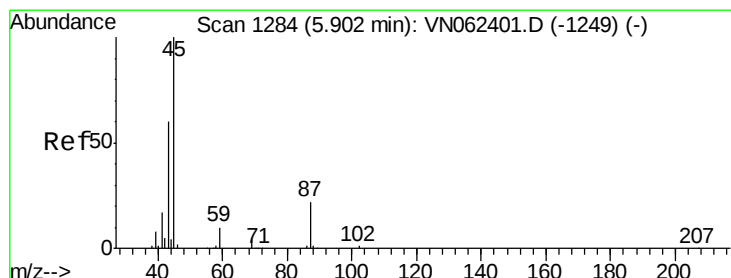
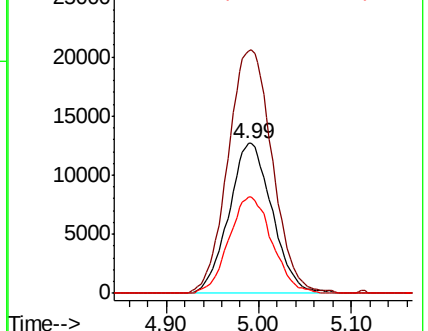
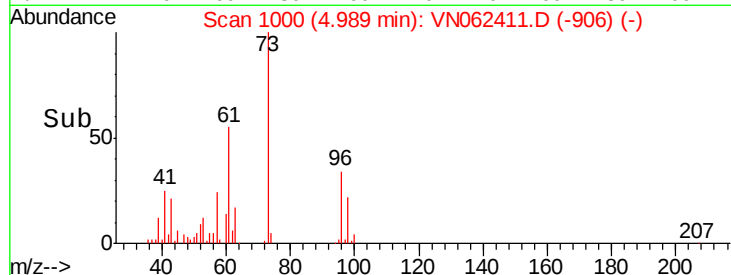
98 64.6 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VN062411.D (-996) (-)

Ion 60.90 (60.60 to 61.60): VN062411.D (-996) (-)

Ion 97.90 (97.60 to 98.60): VN062411.D (-996) (-)



#22

Diisopropyl ether

Concen: 19.771 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion: 45 Resp: 182650

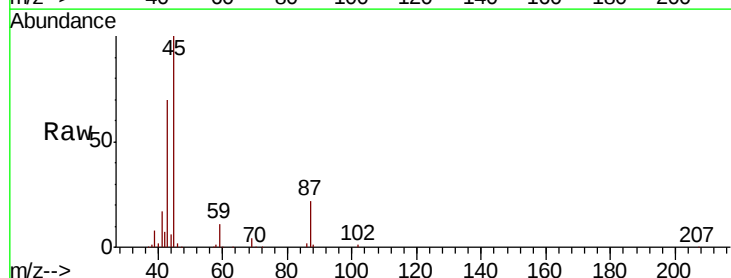
Ion Ratio Lower Upper

45 100

43 67.6 50.1 75.1

87 21.8 18.2 27.4

59 10.8 8.2 12.2

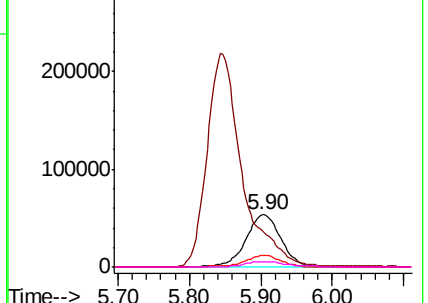
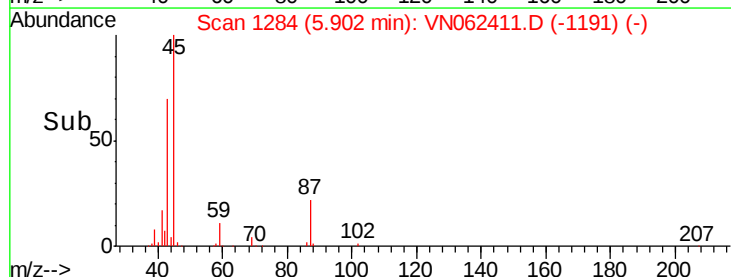


Abundance Ion 45.00 (44.70 to 45.70): VN062411.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062411.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062411.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062411.D (-1191) (-)





#23

Vinyl Acetate

Concen: 97.622 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

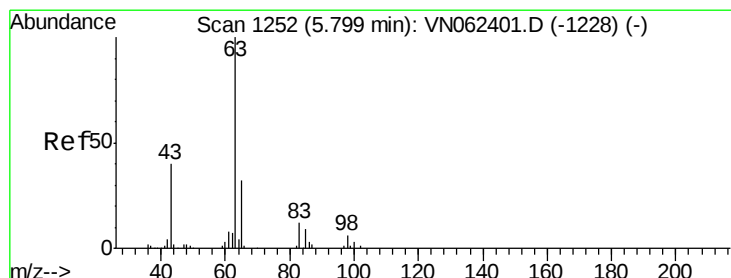
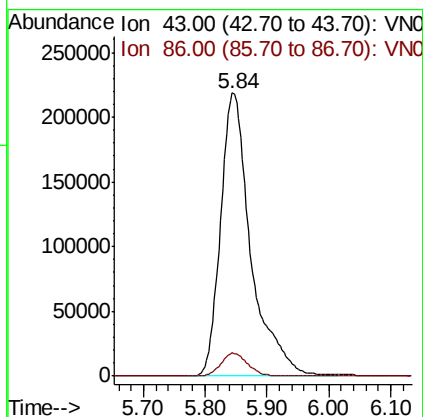
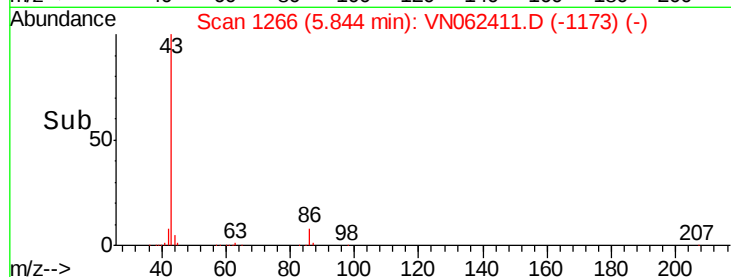
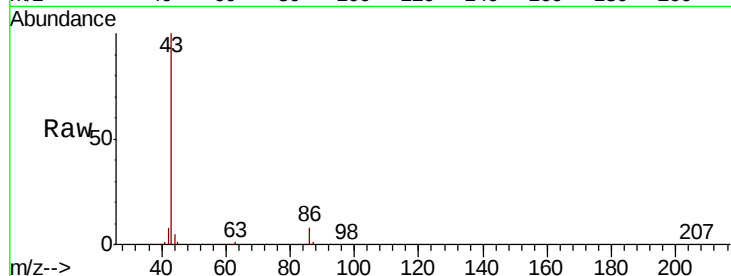
VN0708WBSD01

Tot Ion: 43 Resp: 747062

Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1



#24

1,1-Dichloroethane

Concen: 19.296 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

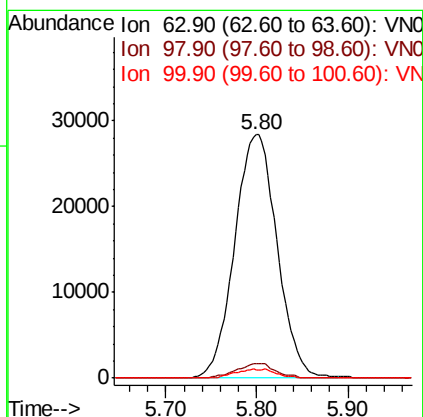
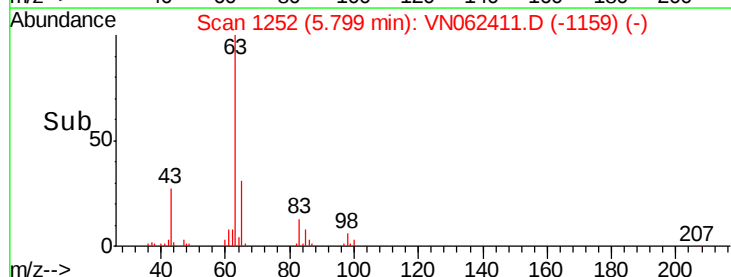
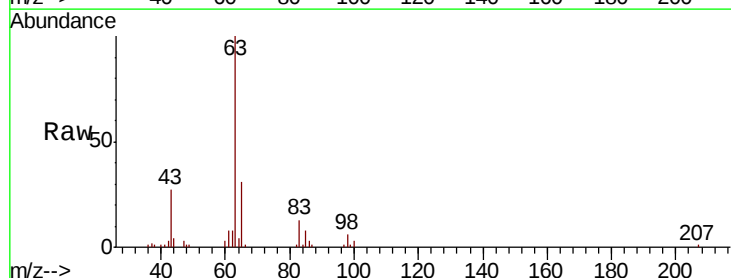
Tgt Ion: 63 Resp: 92110

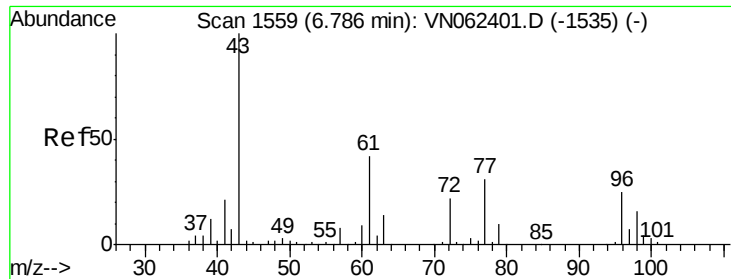
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.3 1.8 5.3





#25

2-Butanone

Concen: 95.279 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

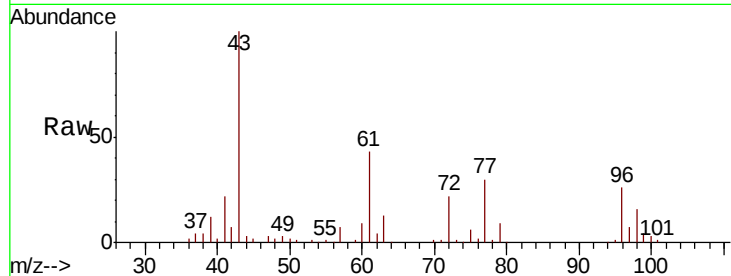
VN0708WBSD01

Tot Ion: 43 Resp: 176010

Ion Ratio Lower Upper

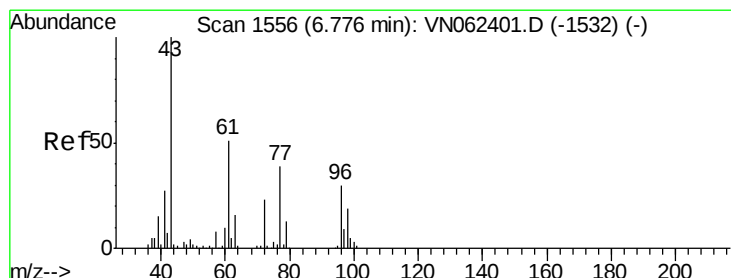
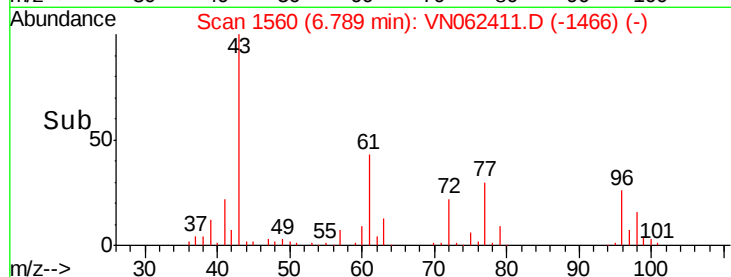
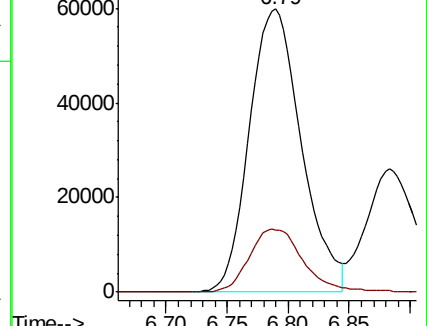
43 100

72 22.0 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.306 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062411.D

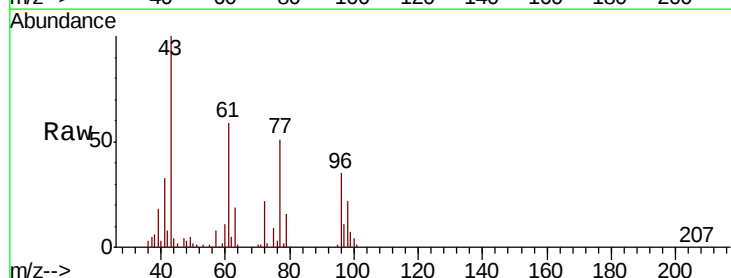
Acq: 8 Jul 2020 16:38

Tgt Ion: 77 Resp: 70662

Ion Ratio Lower Upper

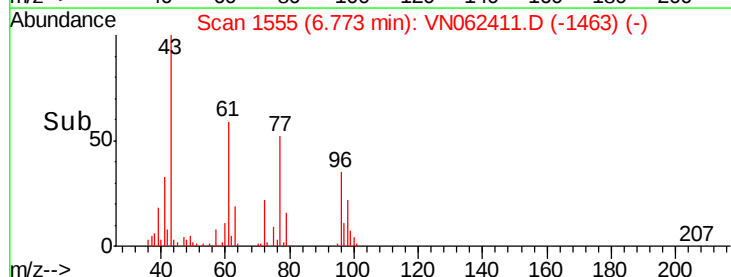
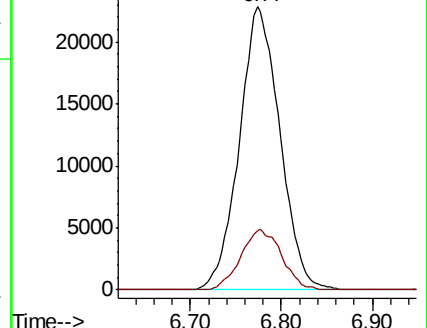
77 100

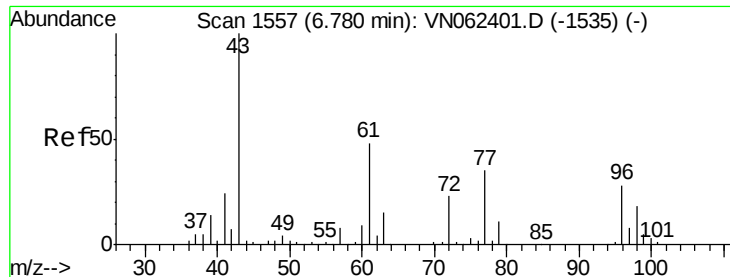
97 21.5 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.713 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

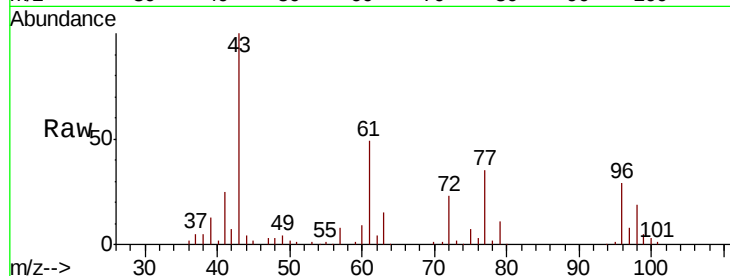
Tot Ion: 96 Resp: 49180

Ion Ratio Lower Upper

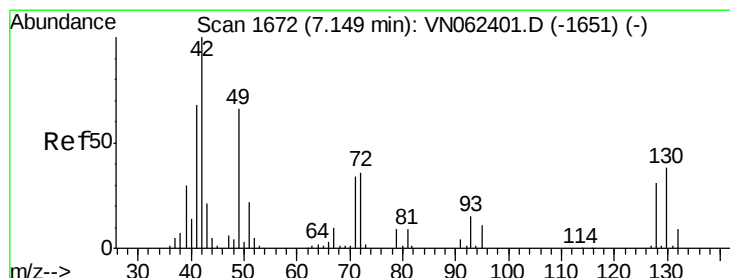
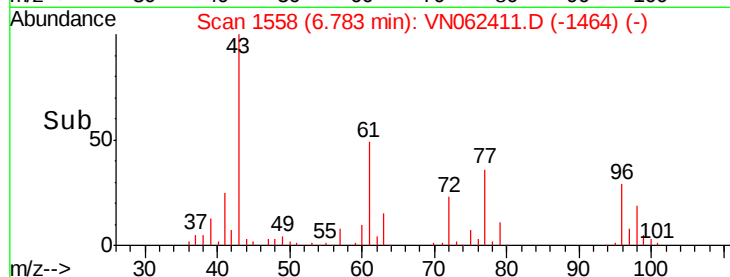
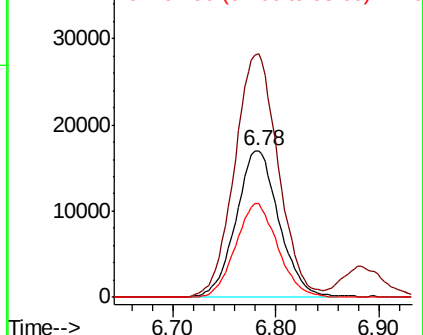
96 100

61 169.4 0.0 343.4

98 62.9 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: 17.378 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

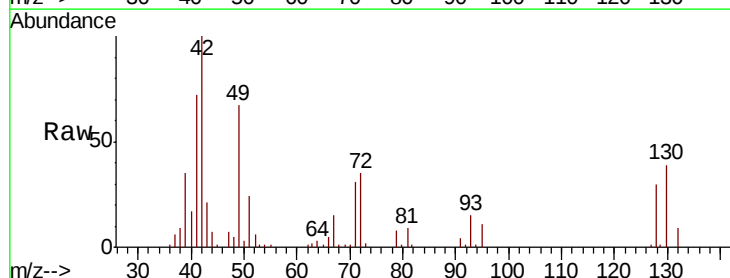
Tgt Ion: 49 Resp: 45070

Ion Ratio Lower Upper

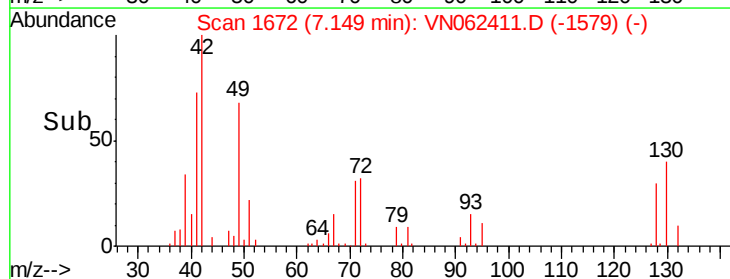
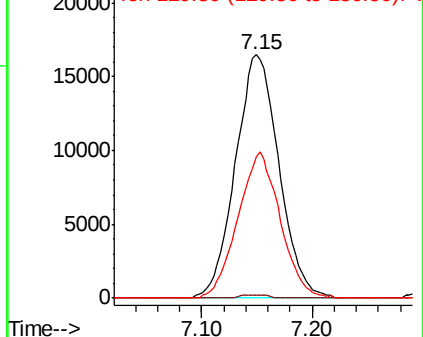
49 100

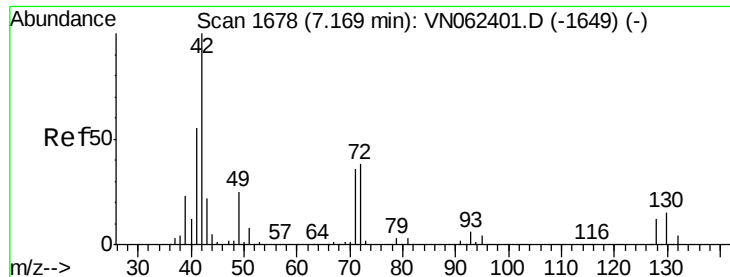
129 0.4 0.0 2.8

130 58.0 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: 95.443 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

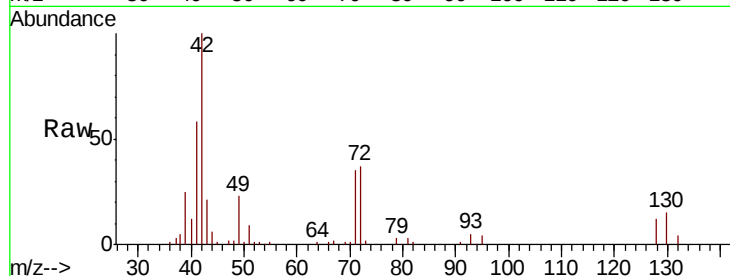
Tot Ion: 42 Resp: 118704

Ion Ratio Lower Upper

42 100

72 36.7 29.1 43.7

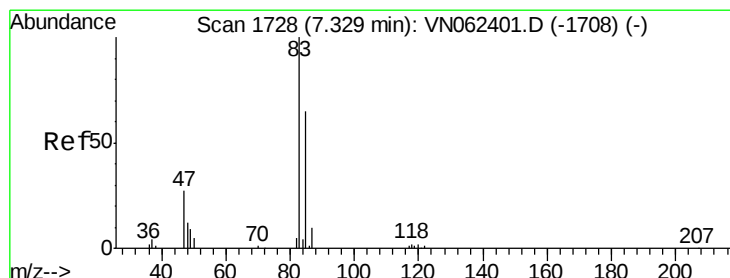
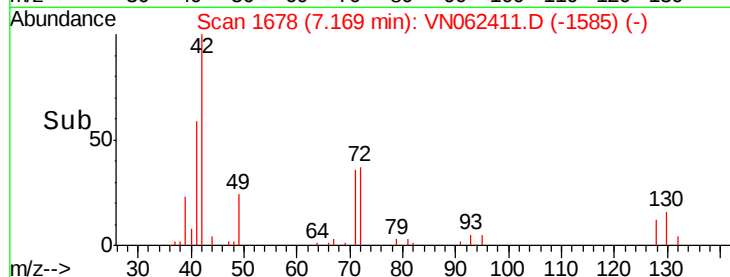
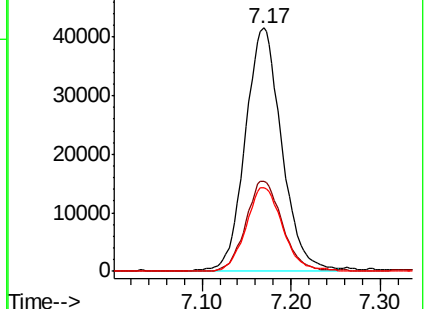
71 34.5 28.1 42.1



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: 19.417 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062411.D

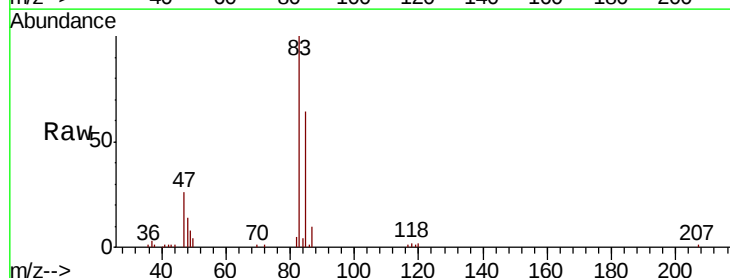
Acq: 8 Jul 2020 16:38

Tgt Ion: 83 Resp: 83692

Ion Ratio Lower Upper

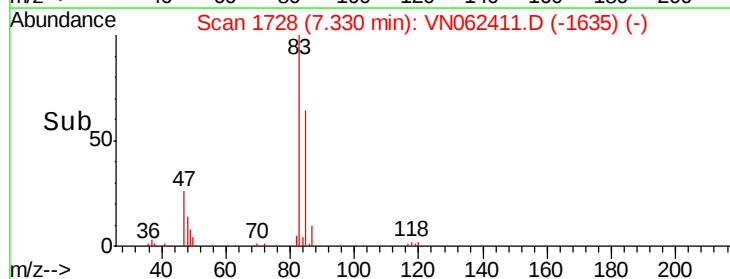
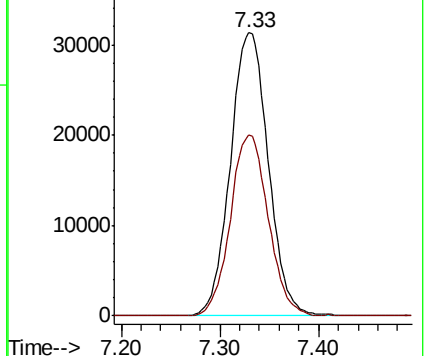
83 100

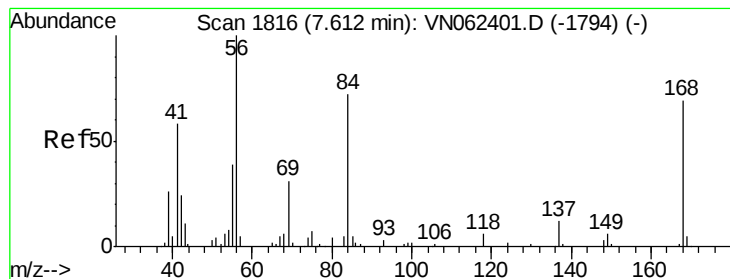
85 63.8 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.459 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

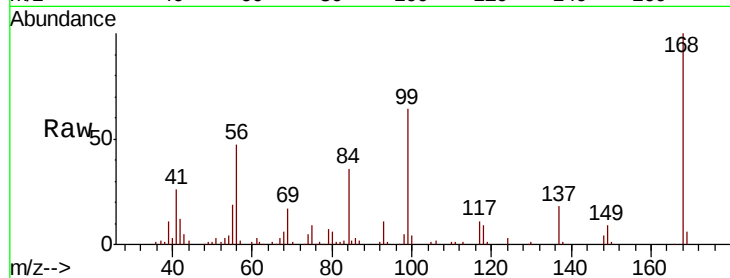
Tot Ion: 56 Resp: 83536

Ion Ratio Lower Upper

56 100

69 35.1 24.5 36.7

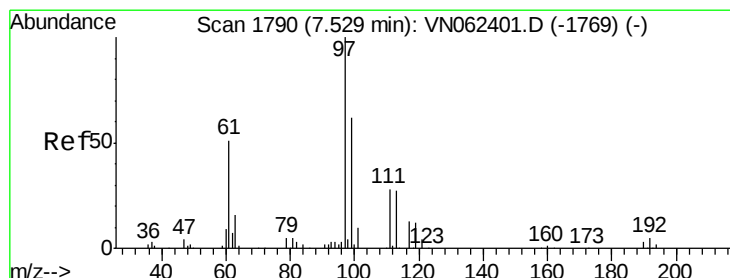
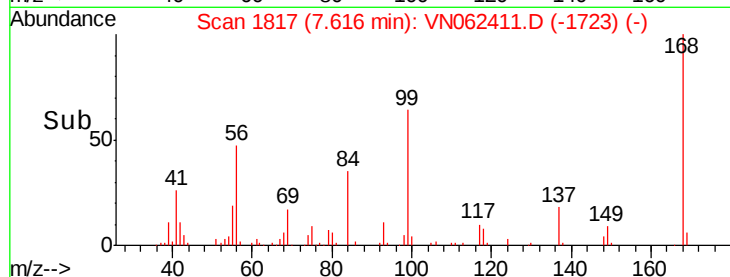
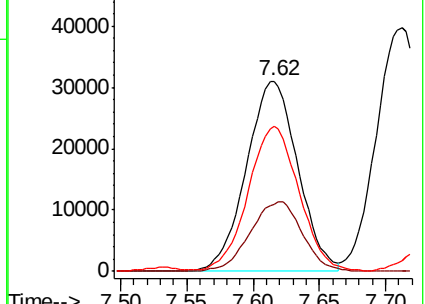
84 75.6 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN062411.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062411.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062411.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 19.075 ug/l

RT: 7.54 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

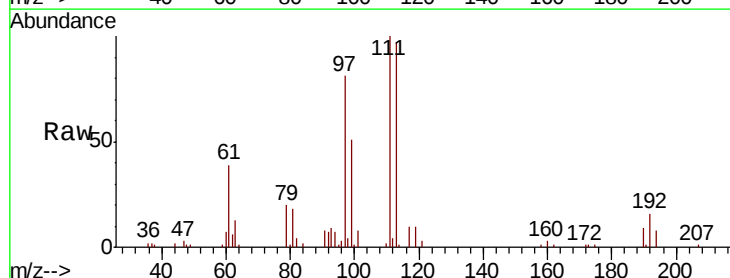
Tgt Ion: 97 Resp: 68387

Ion Ratio Lower Upper

97 100

99 64.2 50.4 75.6

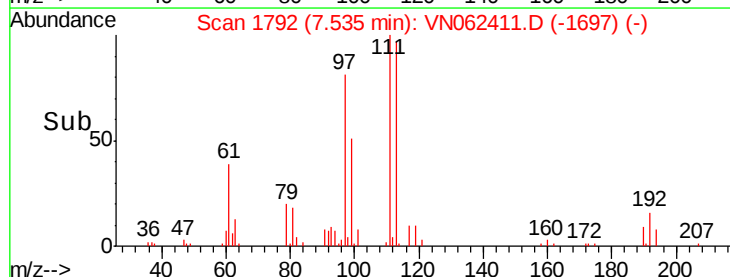
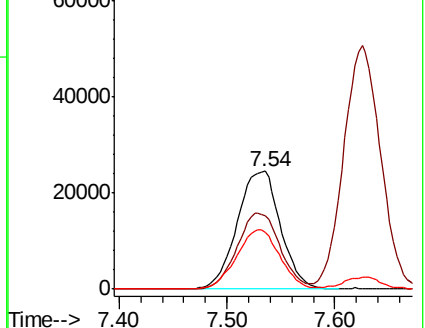
61 50.2 39.9 59.9

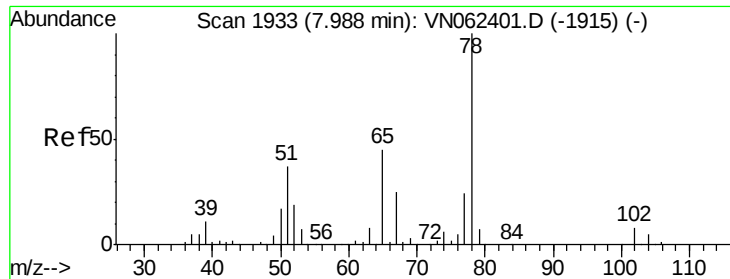


Abundance Ion 96.90 (96.60 to 97.60): VN062411.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062411.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062411.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.647 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

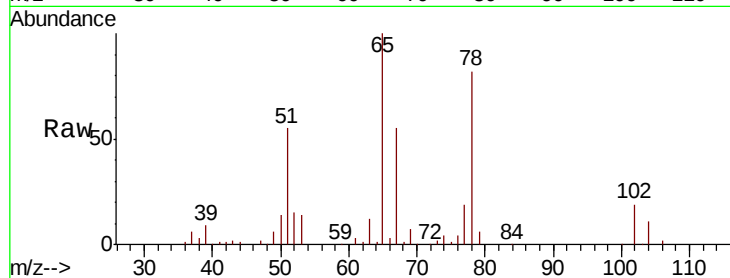
VN0708WBSD01

Tot Ion: 65 Resp: 153874

Ion Ratio Lower Upper

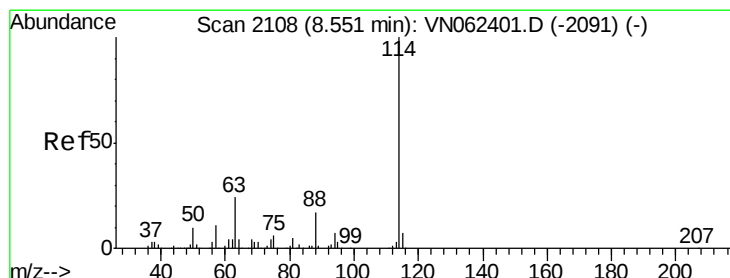
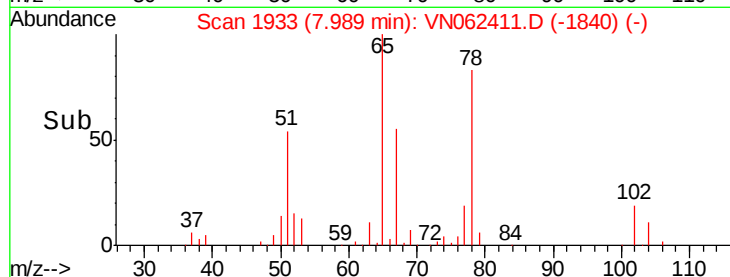
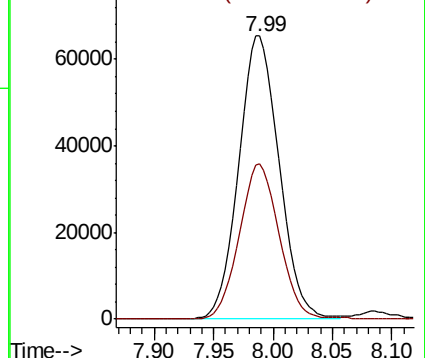
65 100

67 54.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

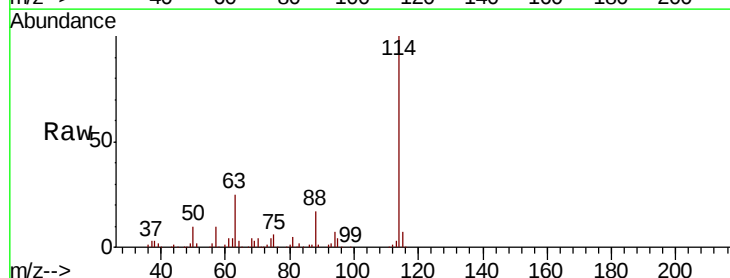
Tgt Ion: 114 Resp: 331810

Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.4

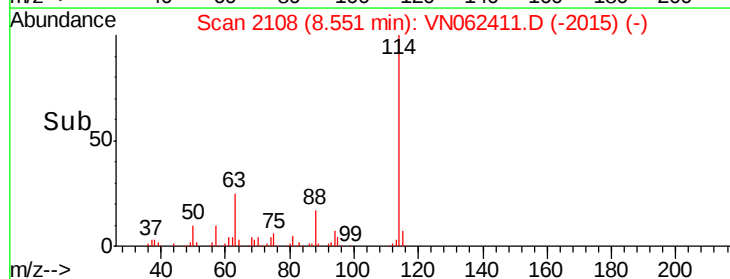
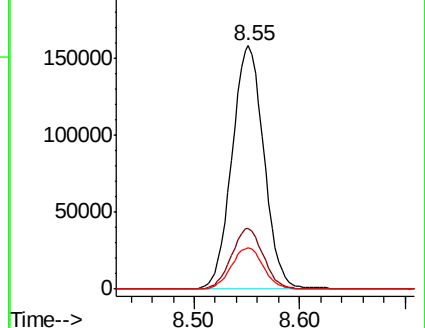
88 16.9 0.0 33.8

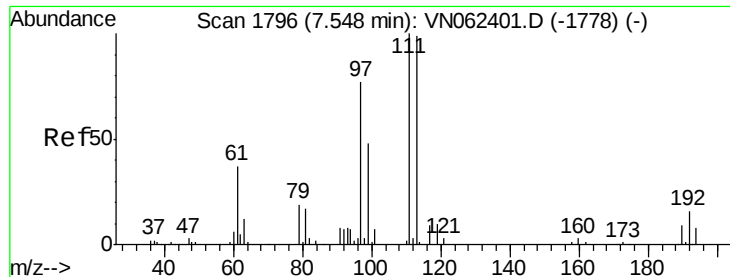


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 52.594 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

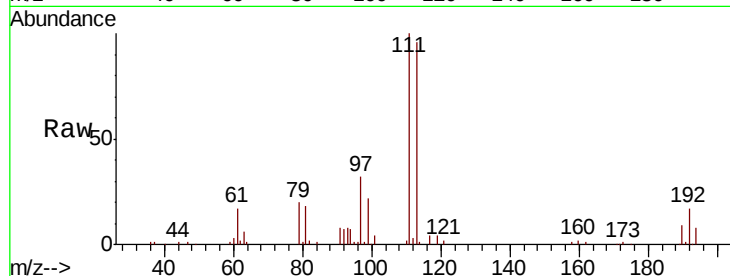
Tot Ion:113 Resp: 107873

Ion Ratio Lower Upper

113 100

111 103.4 83.1 124.7

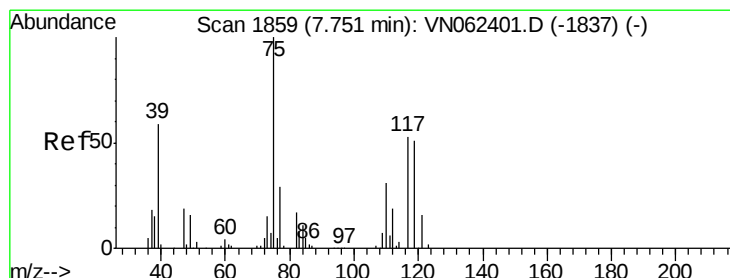
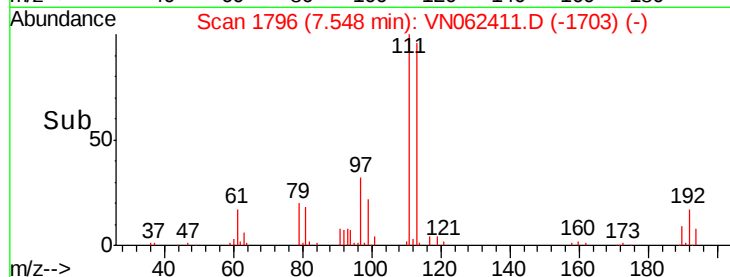
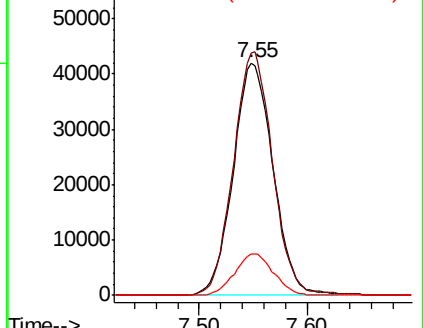
192 17.3 14.1 21.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.900 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

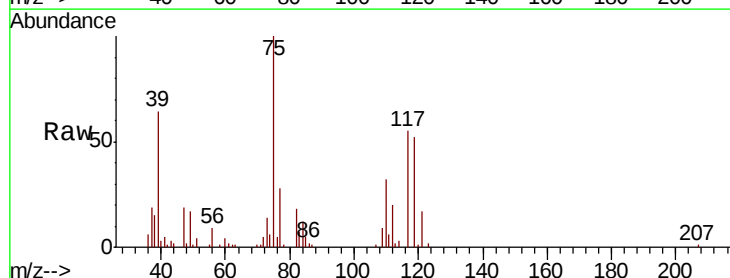
Tgt Ion: 75 Resp: 63180

Ion Ratio Lower Upper

75 100

110 30.8 15.4 46.2

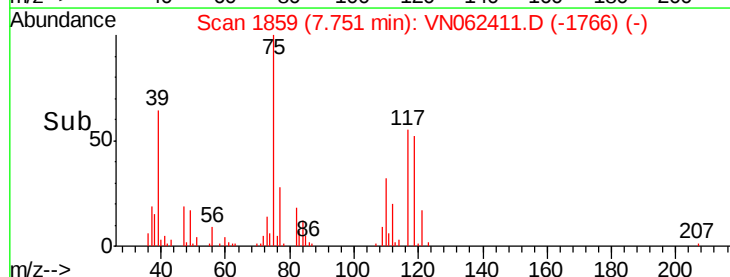
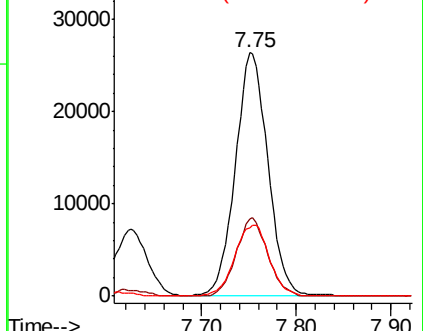
77 31.0 24.1 36.1

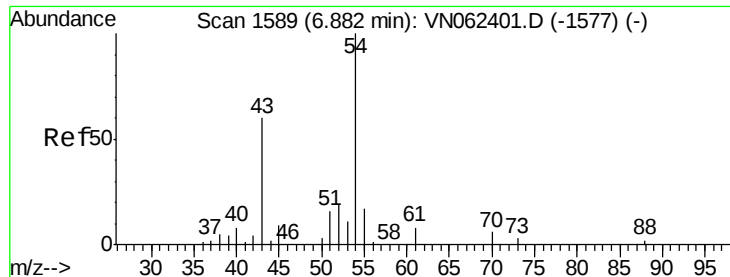


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

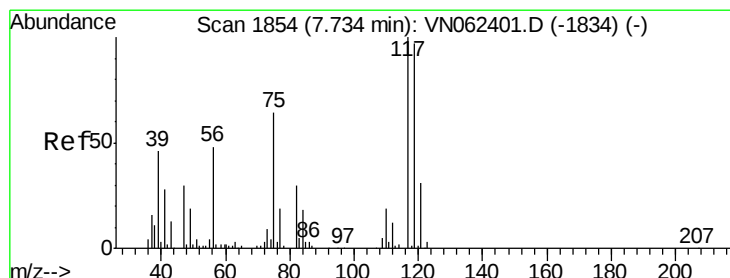
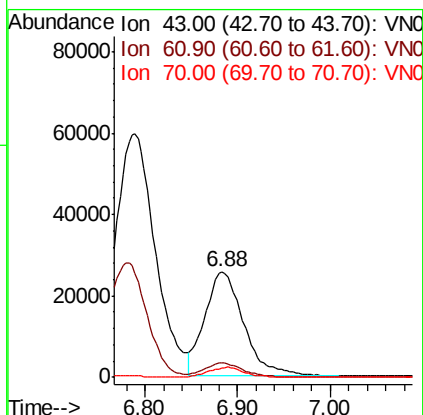
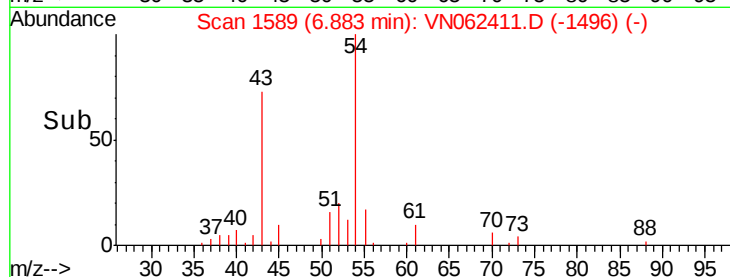
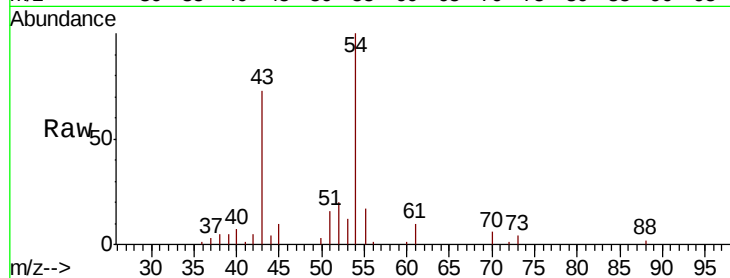




#37
Ethyl Acetate
Concen: 19.133 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

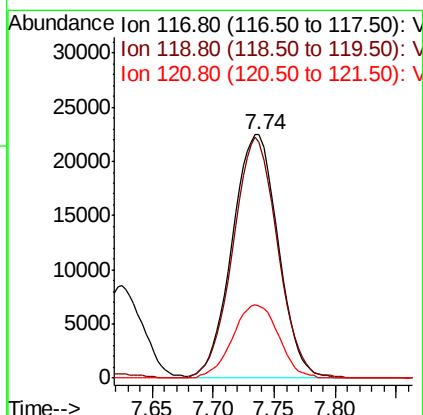
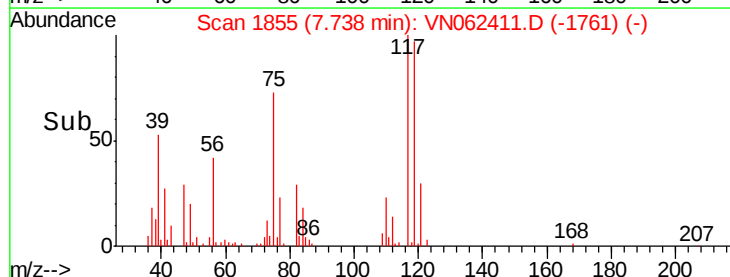
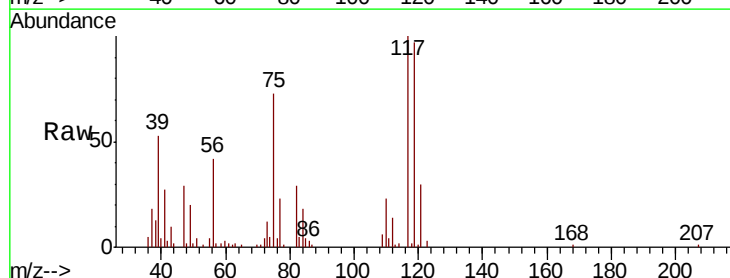
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

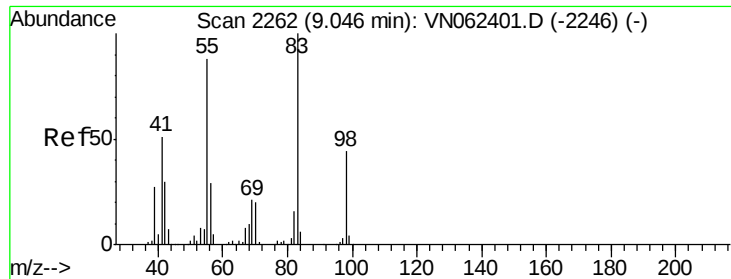
Tot Ion: 43 Resp: 74788
Ion Ratio Lower Upper
43 100
61 13.9 10.7 16.1
70 8.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.539 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 117 Resp: 58723
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8
121 29.8 24.8 37.2

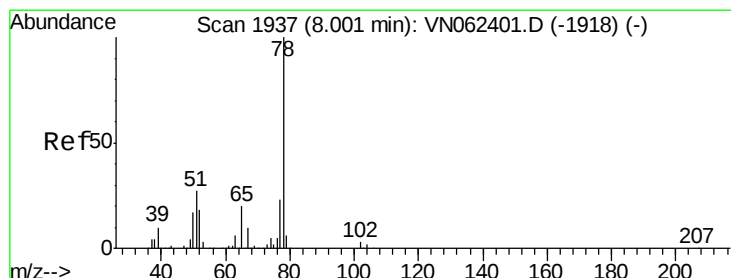
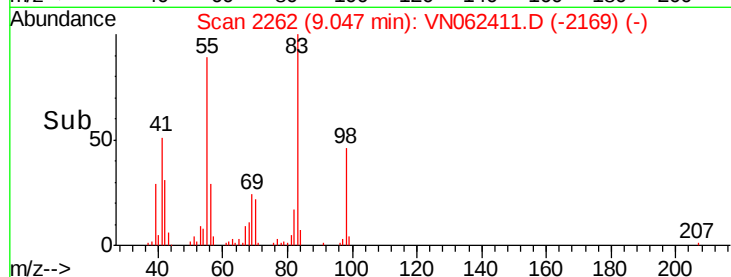
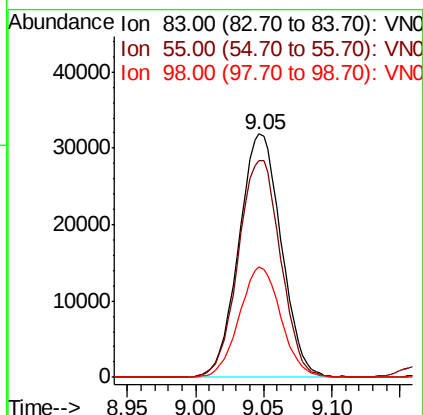
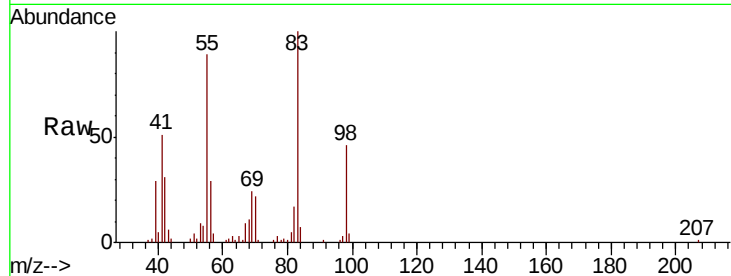




#39
Methvlcvclohexane
Concen: 19.289 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

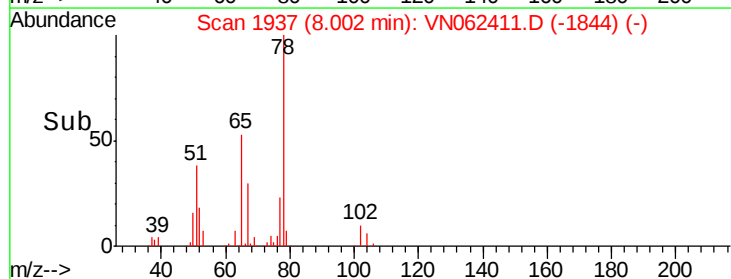
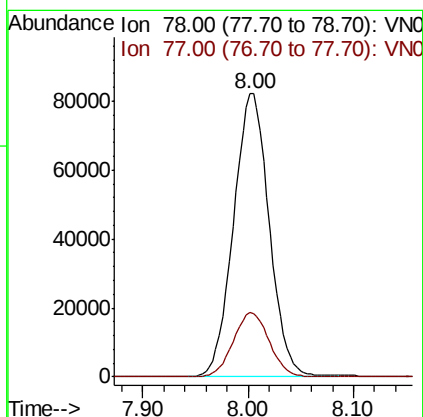
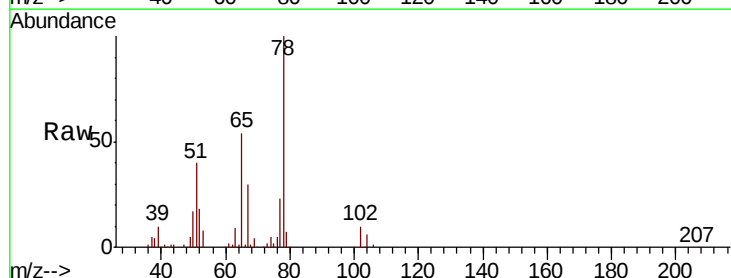
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

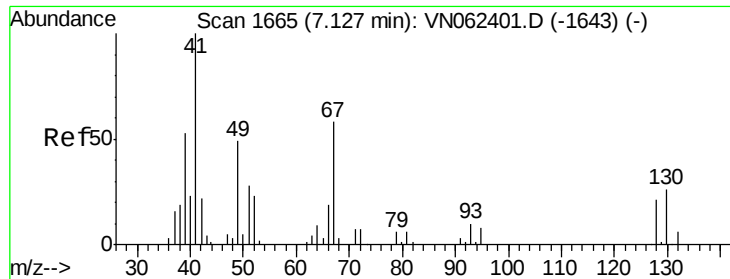
Tot Ion: 83 Resp: 68840
Ion Ratio Lower Upper
83 100
55 89.1 70.5 105.7
98 45.5 35.5 53.3



#40
Benzene
Concen: 19.636 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 78 Resp: 193457
Ion Ratio Lower Upper
78 100
77 22.9 18.7 28.1

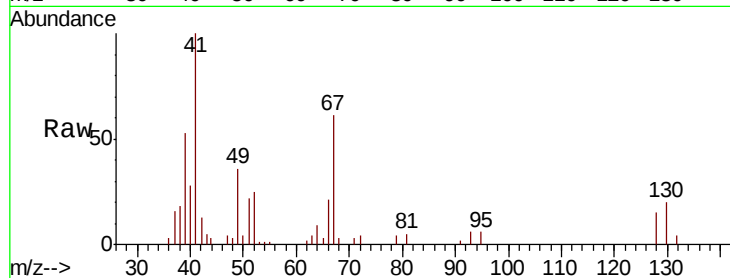




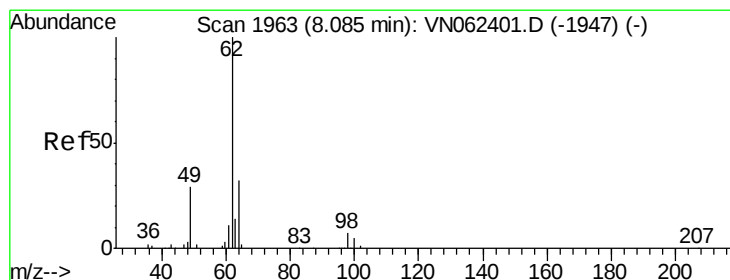
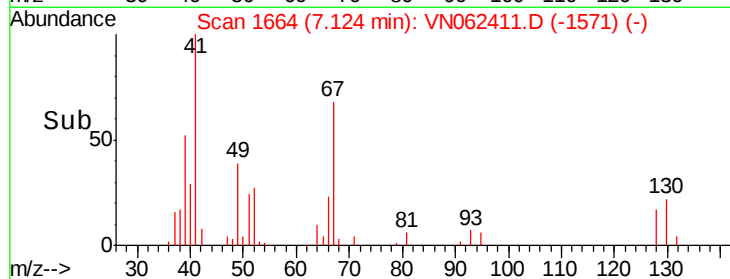
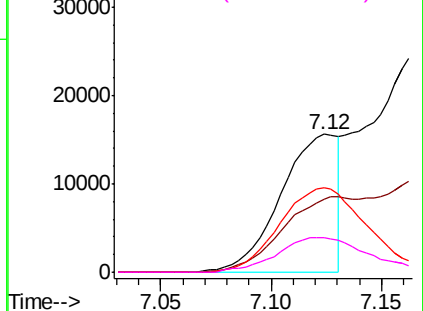
#41
Methacrylonitrile
Concen: 17.273 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion: 41 Resp: 28210
Ion Ratio Lower Upper
41 100
39 70.5 50.2 75.2
67 93.9 64.2 96.2
52 41.1 28.0 42.0

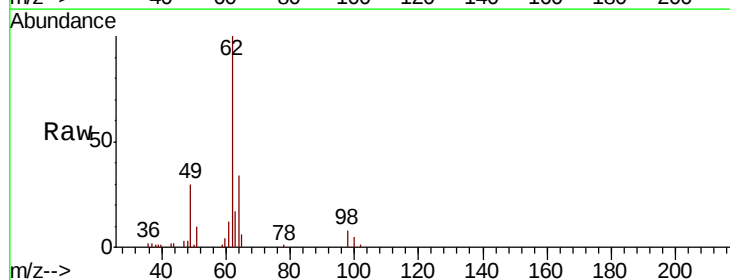


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

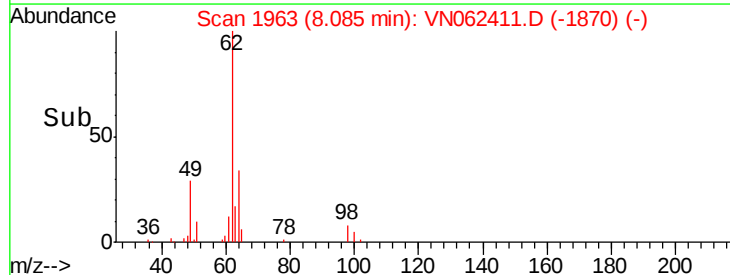
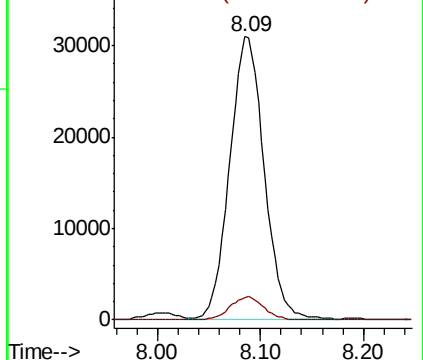


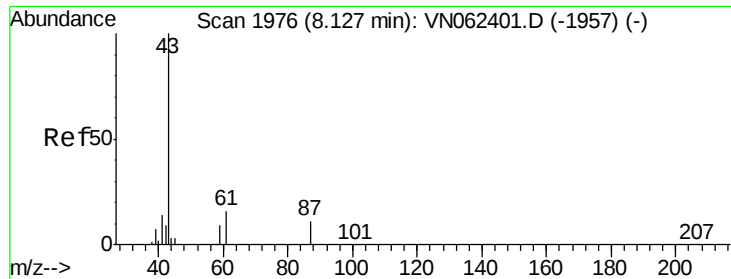
#42
1,2-Dichloroethane
Concen: 20.025 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 62 Resp: 72243
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.830 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

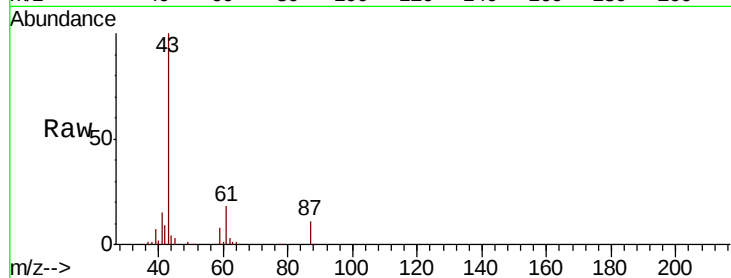
Tot Ion: 43 Resp: 122452

Ion Ratio Lower Upper

43 100

61 24.9 19.3 28.9

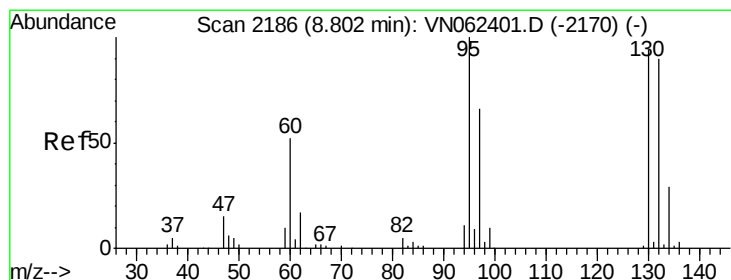
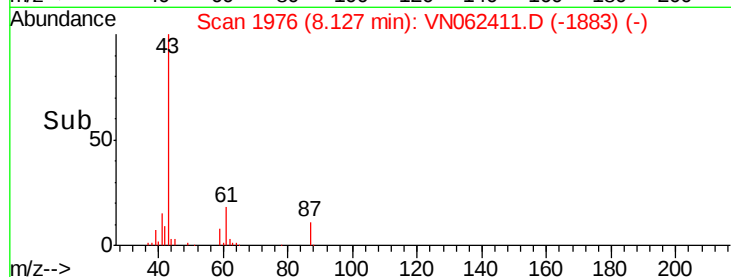
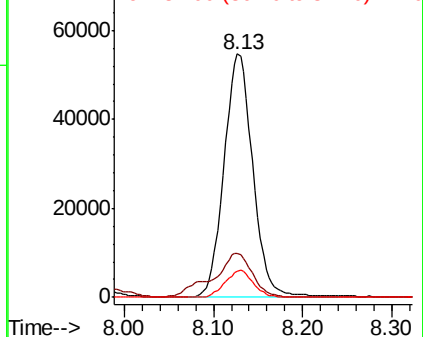
87 10.7 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062401.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN062401.D (-1957) (-)



#44

Trichloroethene

Concen: 19.734 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062411.D

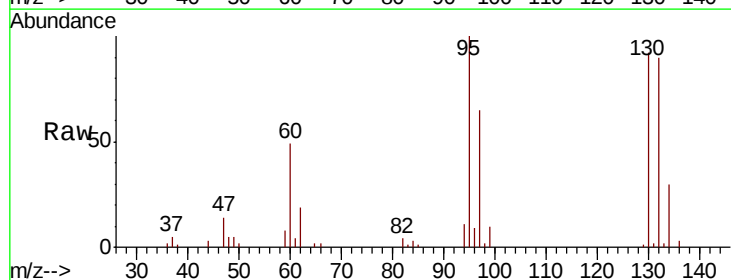
Acq: 8 Jul 2020 16:38

Tgt Ion:130 Resp: 43137

Ion Ratio Lower Upper

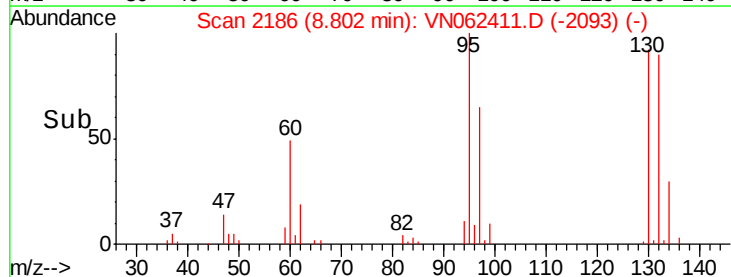
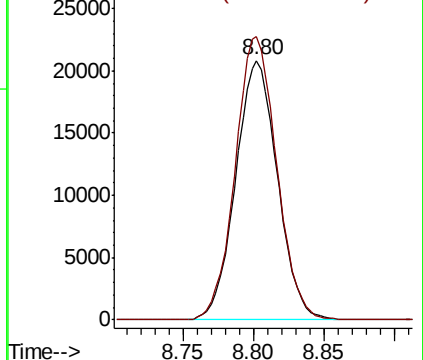
130 100

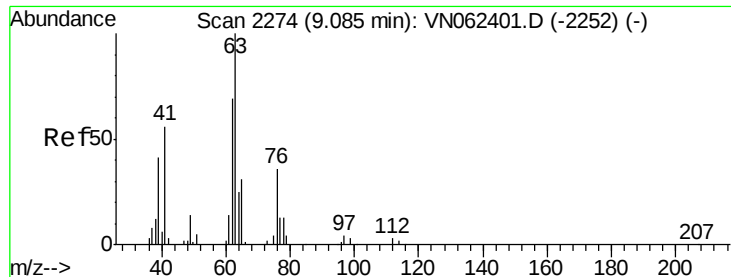
95 109.3 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062401.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062401.D (-2170) (-)

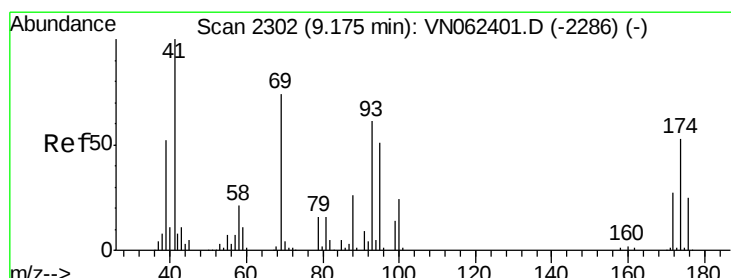
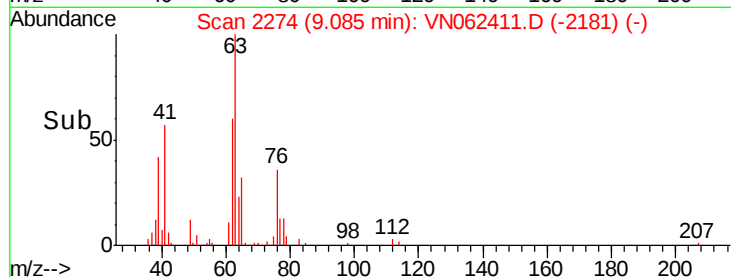
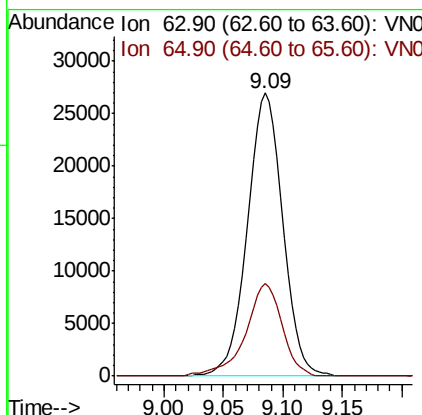
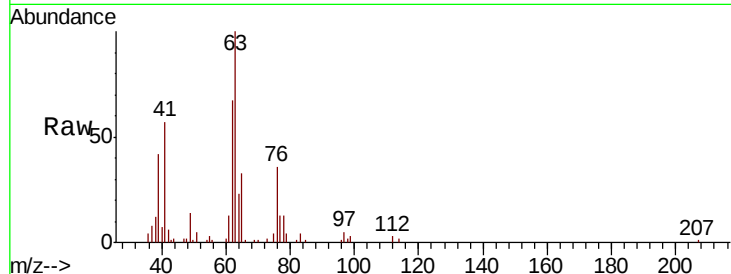




#45
 1,2-Dichloropropane
 Concen: 19.435 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

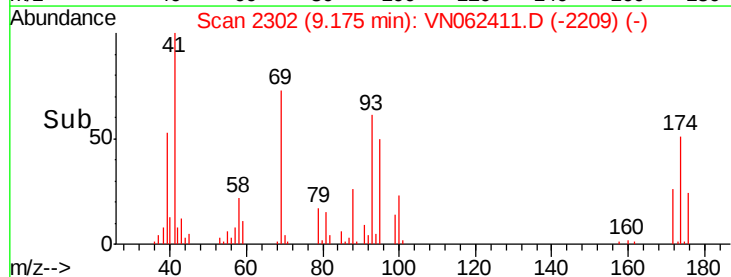
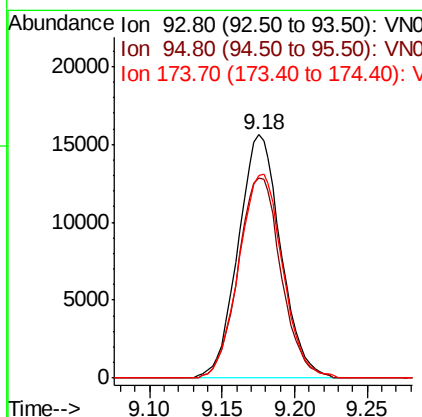
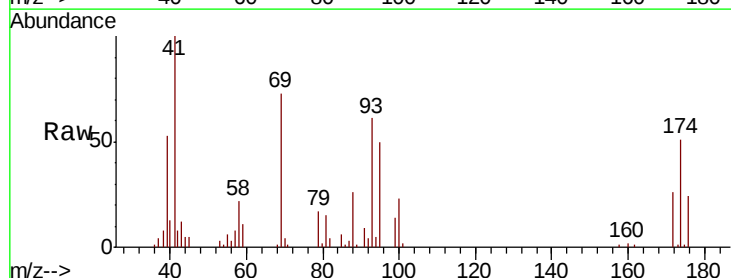
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

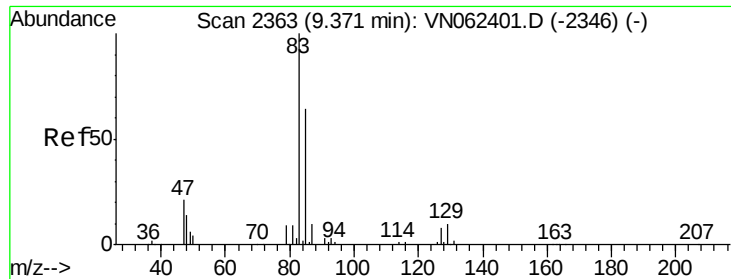
Tot Ion: 63 Resp: 55585
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.6 36.8



#46
 Dibromomethane
 Concen: 19.759 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion: 93 Resp: 31892
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.1 100.7
 174 86.3 70.4 105.6





#47

Bromodichloromethane

Concen: 19.069 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

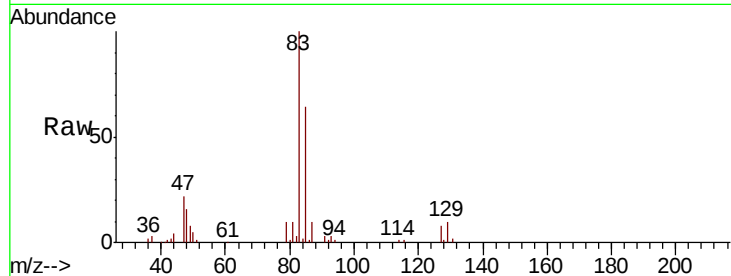
Tot Ion: 83 Resp: 65803

Ion Ratio Lower Upper

83 100

85 63.6 51.2 76.8

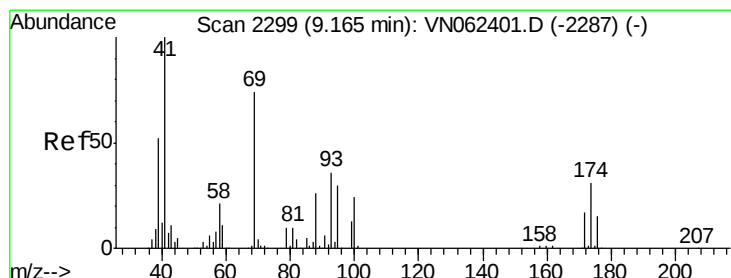
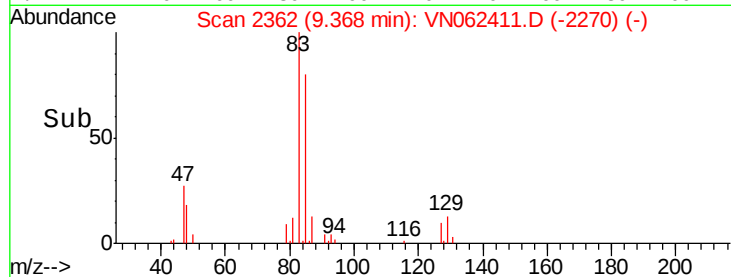
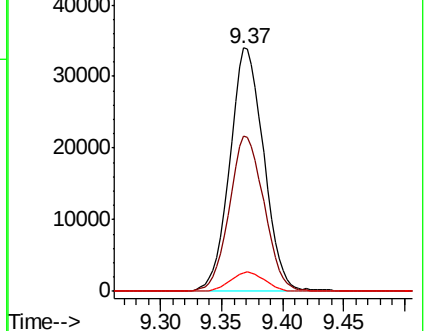
127 7.7 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN062411.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN062411.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN062411.D (-2346) (-)



#48

Methyl methacrylate

Concen: 19.076 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

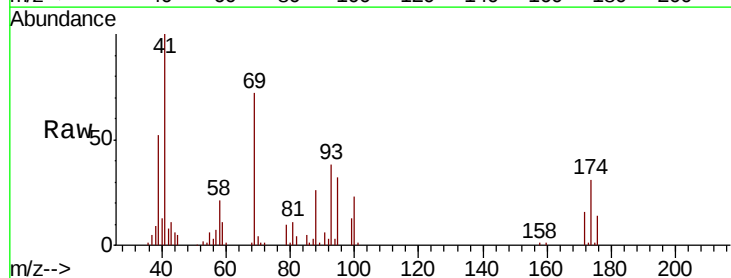
Tgt Ion: 41 Resp: 57782

Ion Ratio Lower Upper

41 100

69 75.2 60.8 91.2

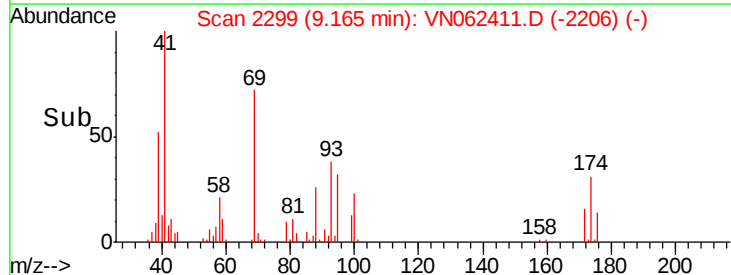
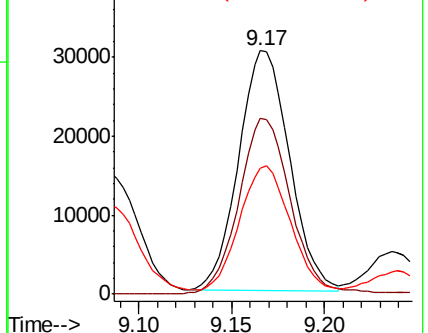
39 54.1 43.5 65.3

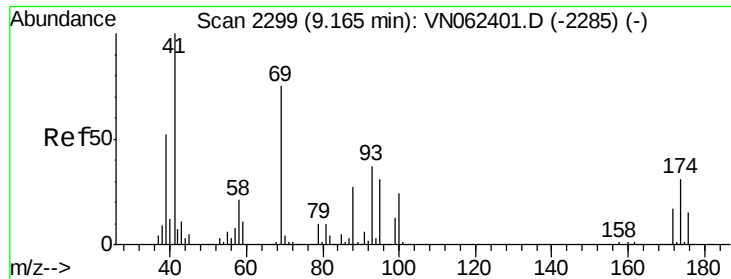


Abundance Ion 41.00 (40.70 to 41.70): VN062411.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN062411.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN062411.D (-2287) (-)

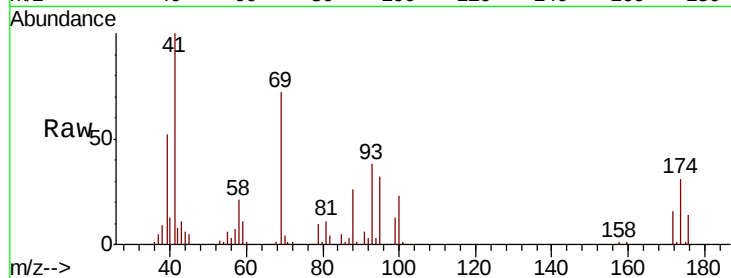




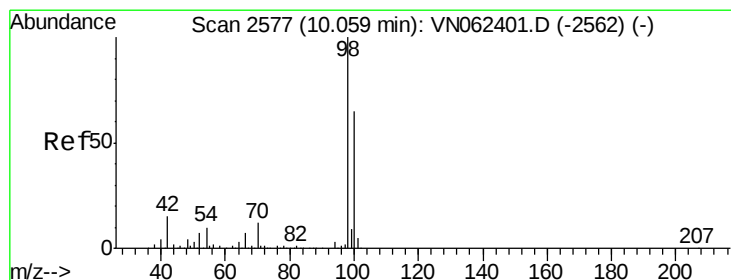
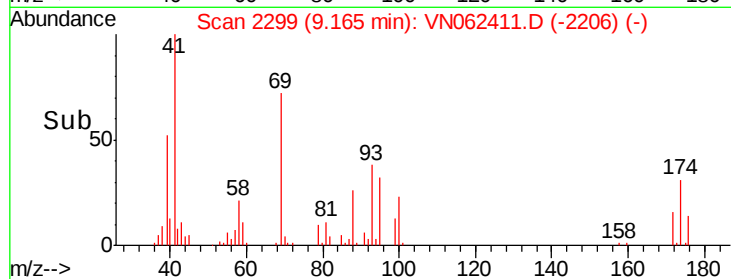
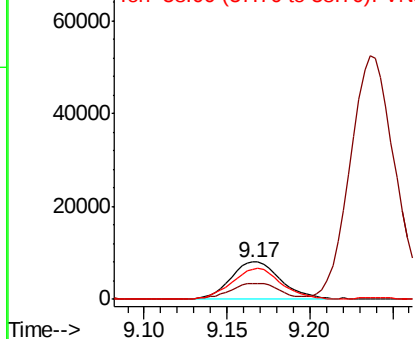
#49
 1,4-Dioxane
 Concen: 384.071 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBSD01

Tot Ion: 88 Resp: 16933
 Ion Ratio Lower Upper
 88 100
 43 44.0 31.0 46.4
 58 82.2 63.3 94.9

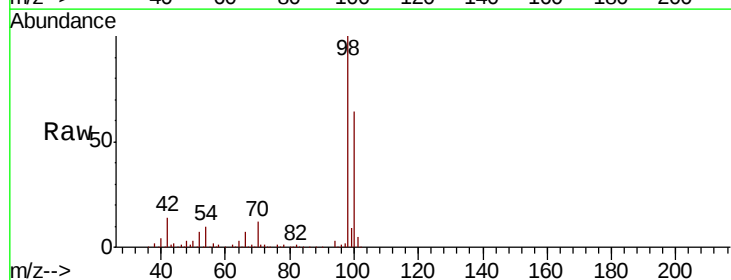


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

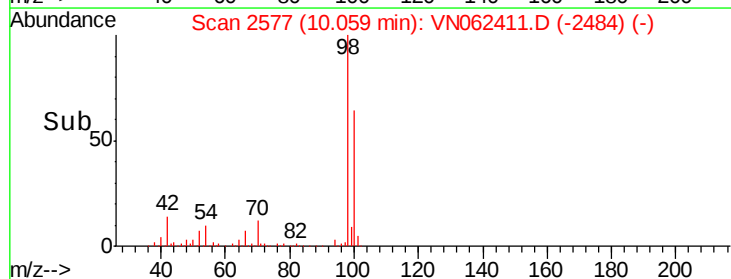
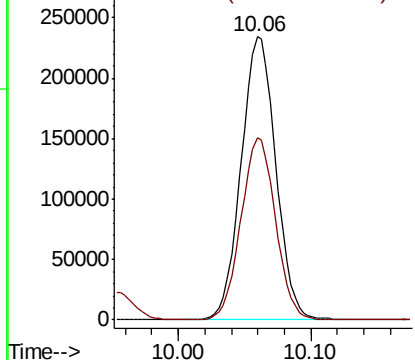


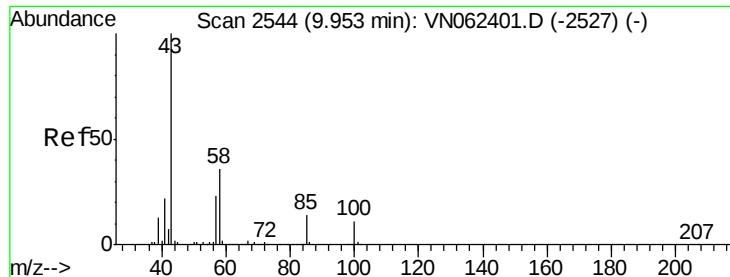
#50
 Toluene-d8
 Concen: 52.560 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion: 98 Resp: 425568
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 99.758 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

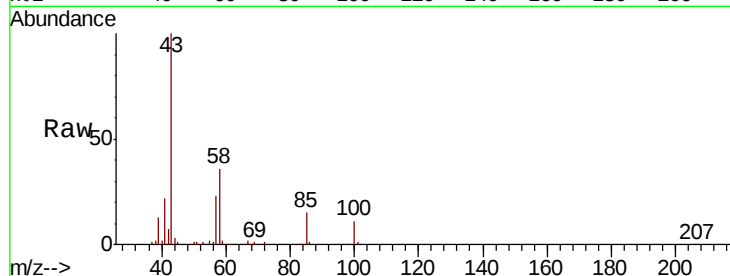
VN0708WBSD01

Tot Ion: 43 Resp: 367930

Ion Ratio Lower Upper

43 100

58 35.5 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-2527) (-)

9.95

200000

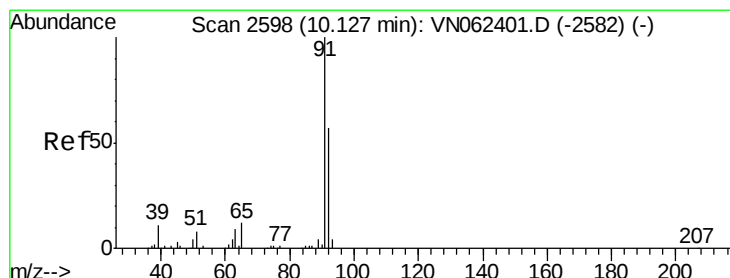
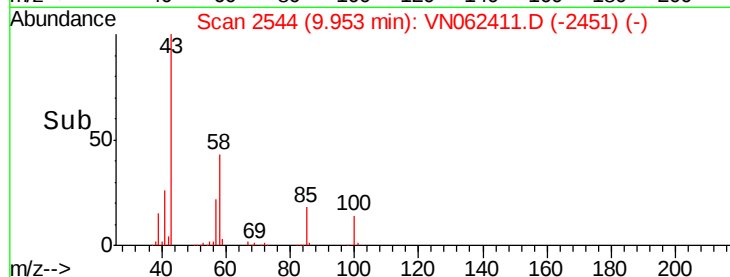
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.581 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062411.D

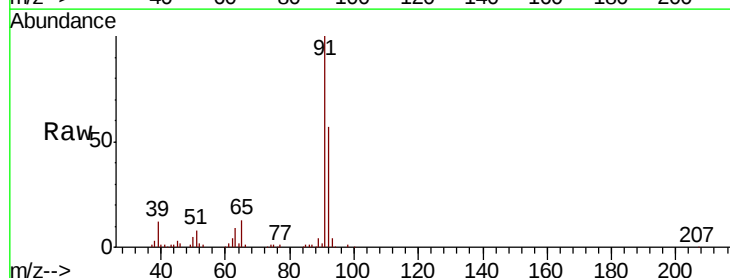
Acq: 8 Jul 2020 16:38

Tgt Ion: 92 Resp: 111432

Ion Ratio Lower Upper

92 100

91 176.7 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062401.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062401.D (-2582) (-)

10.13

120000

100000

80000

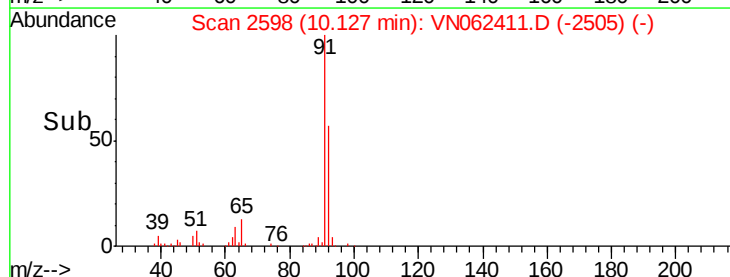
60000

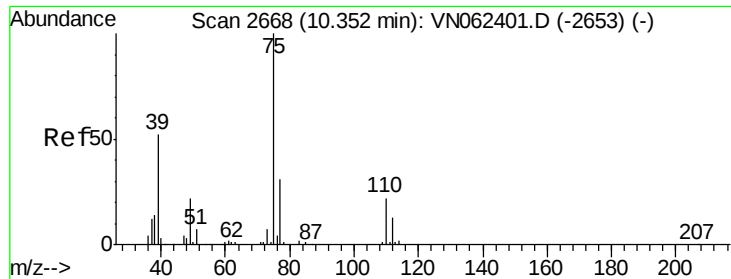
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.541 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

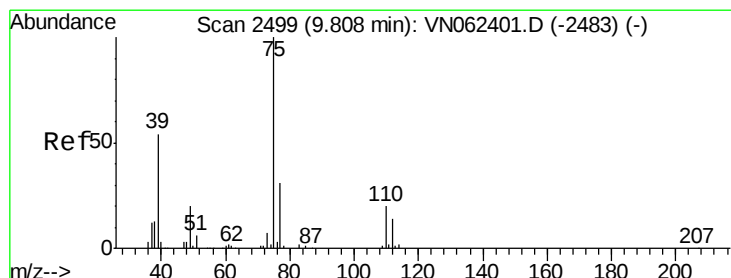
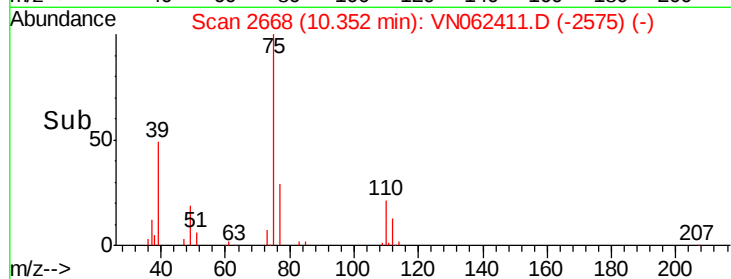
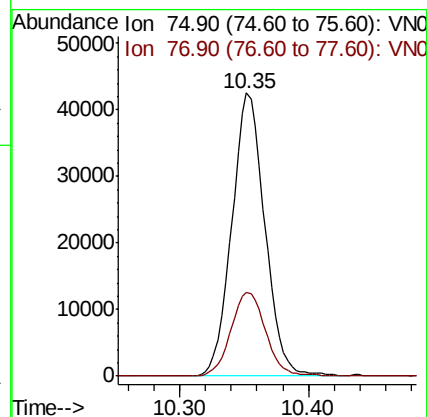
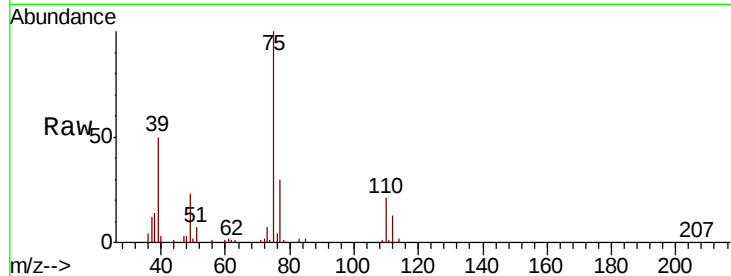
VN0708WBSD01

Tot Ion: 75 Resp: 75544

Ion Ratio Lower Upper

75 100

77 29.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.238 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

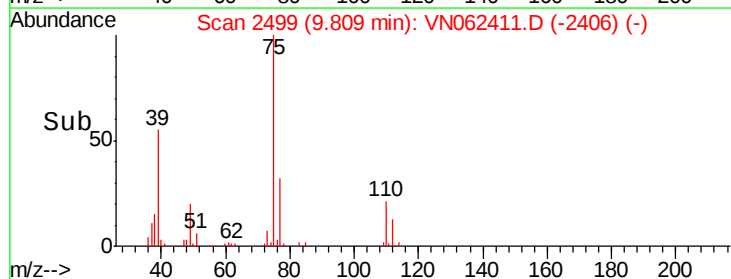
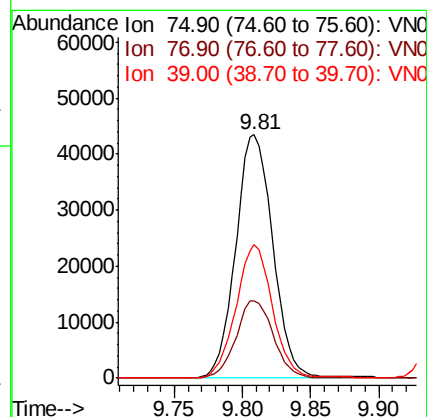
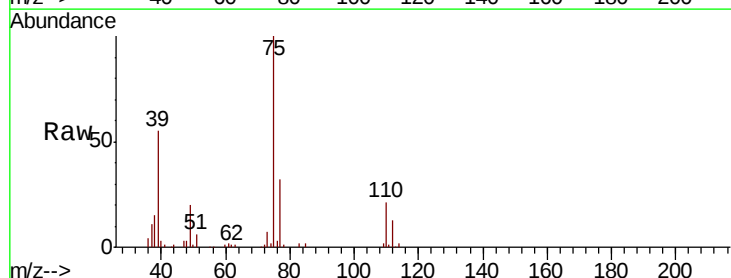
Tgt Ion: 75 Resp: 82061

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7

39 54.6 43.4 65.0



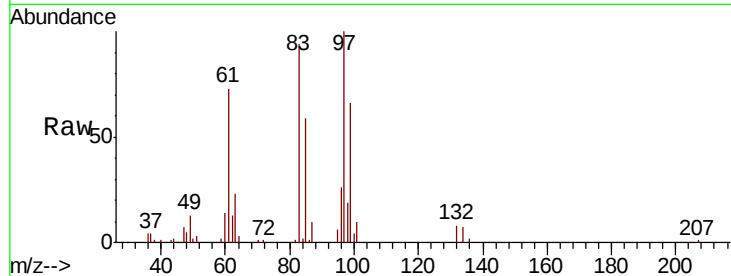


#55
 1,1,2-Trichloroethane
 Concen: 19.886 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

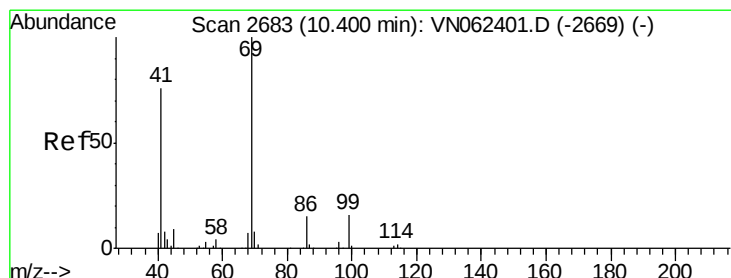
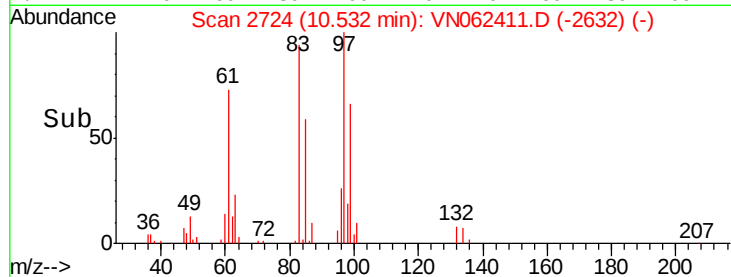
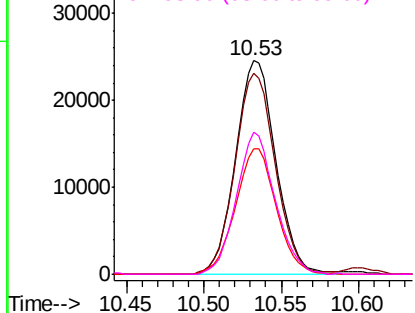
Tot Ion: 97 Resp: 44510

Ion	Ratio	Lower	Upper
97	100		
83	94.1	71.0	106.4
85	58.9	46.2	69.4
99	66.3	49.7	74.5



Abundance

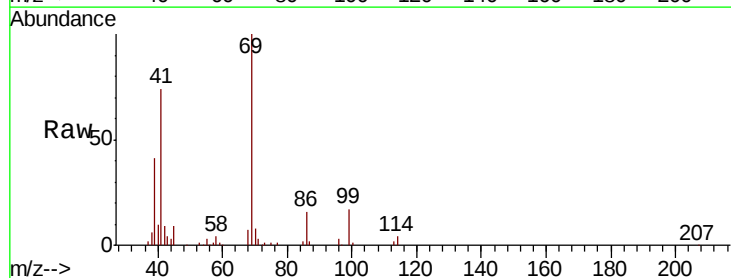
Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.142 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

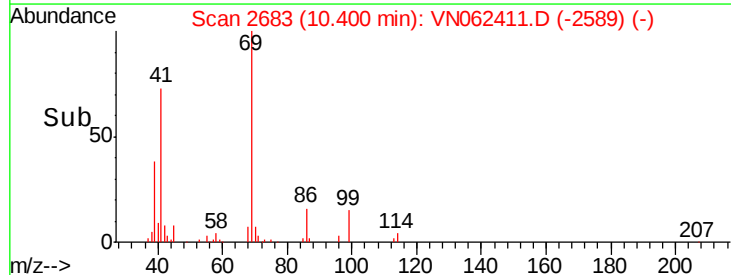
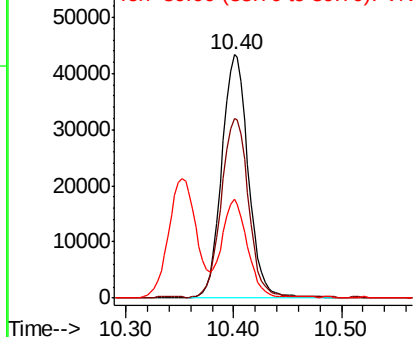
Tgt Ion: 69 Resp: 74342

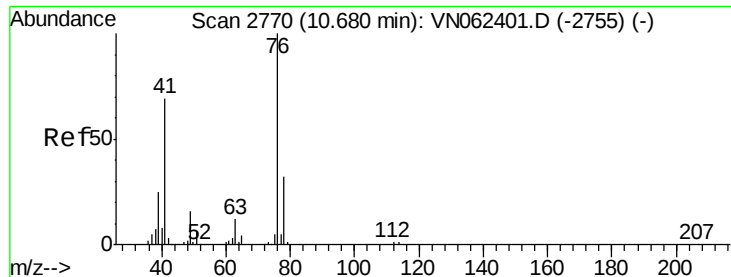
Ion	Ratio	Lower	Upper
69	100		
41	74.7	59.7	89.5
39	38.1	30.6	45.8



Abundance

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





#57

1,3-Dichloropropane

Concen: 19.391 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

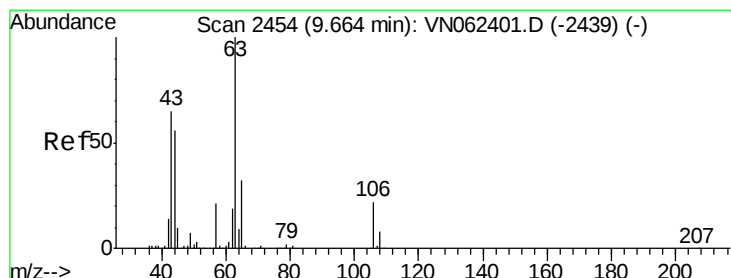
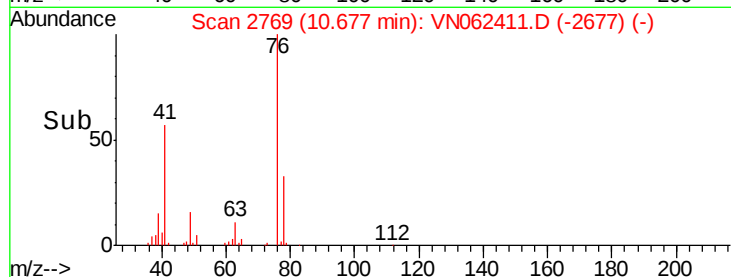
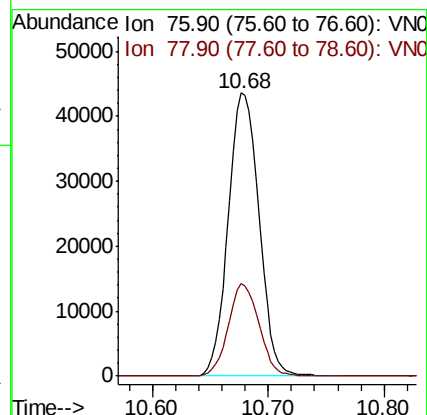
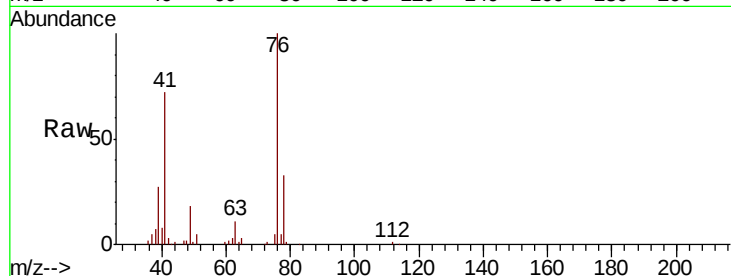
VN0708WBSD01

Tot Ion: 76 Resp: 80186

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 95.651 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062411.D

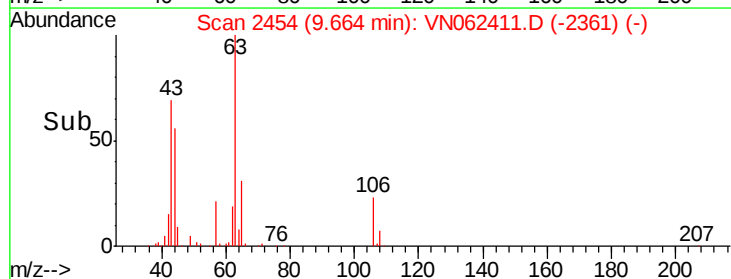
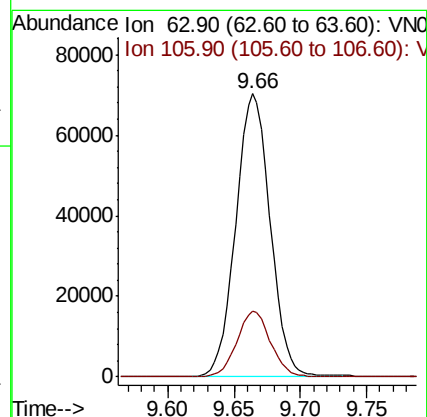
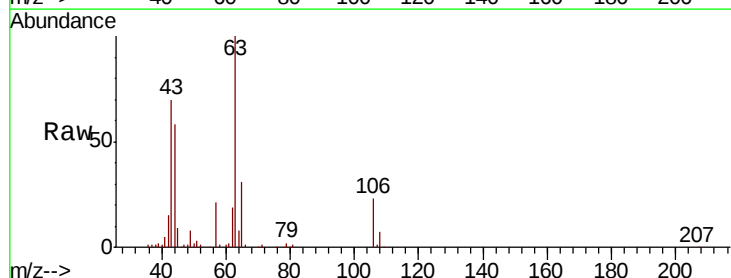
Acq: 8 Jul 2020 16:38

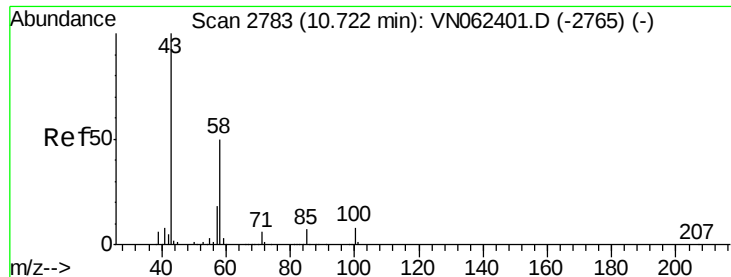
Tgt Ion: 63 Resp: 127011

Ion Ratio Lower Upper

63 100

106 22.5 17.6 26.4

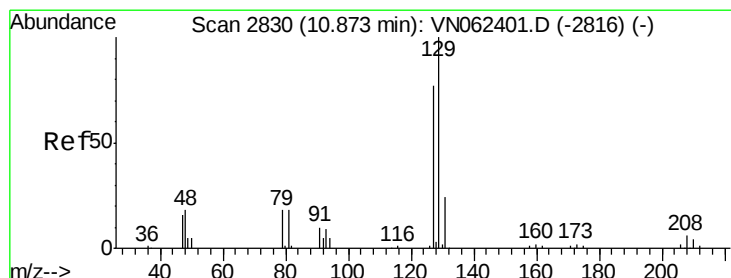
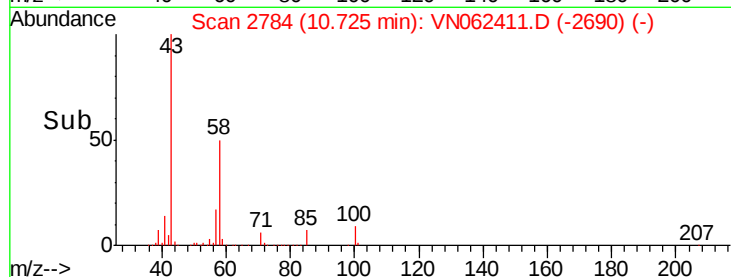
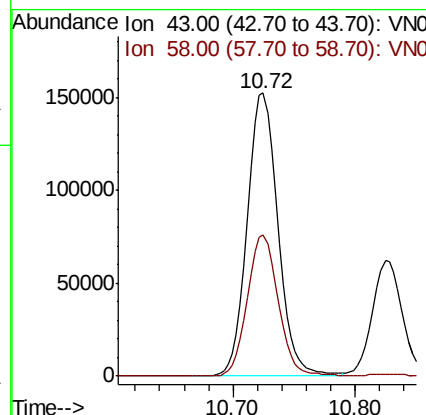
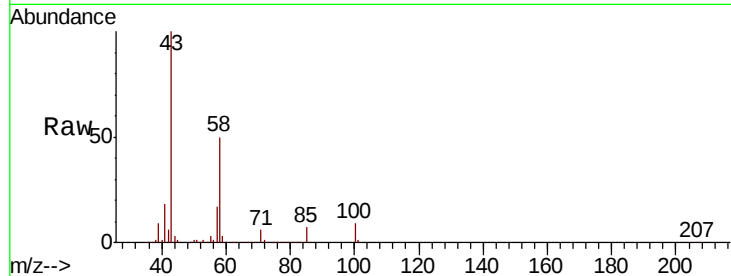




#59
2-Hexanone
Concen: 98.726 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

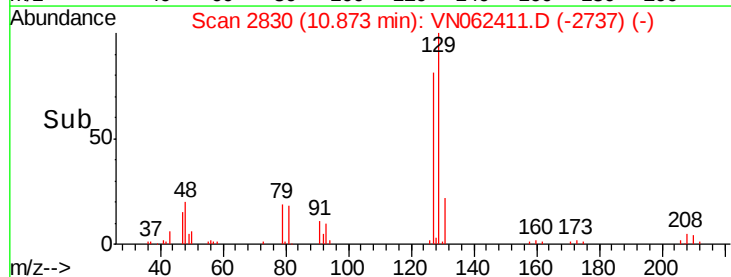
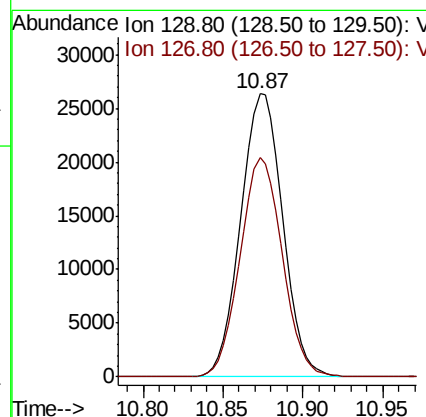
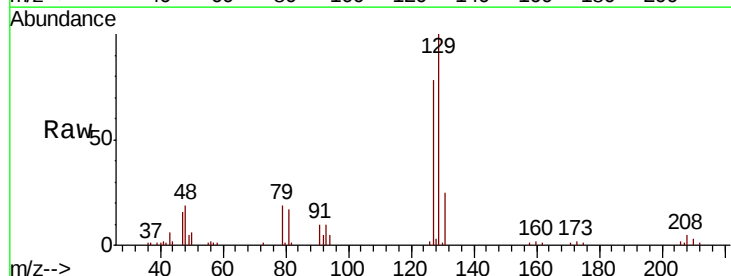
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

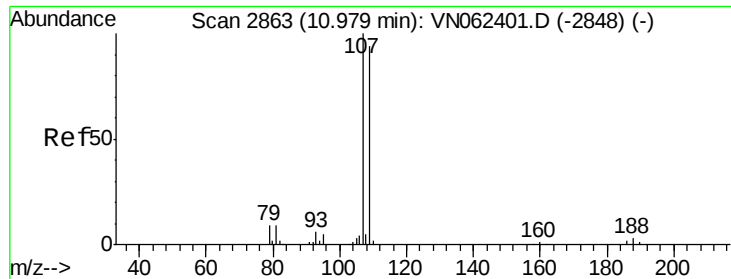
Tot Ion: 43 Resp: 264345
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2



#60
Dibromochloromethane
Concen: 19.469 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 129 Resp: 47249
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.282 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

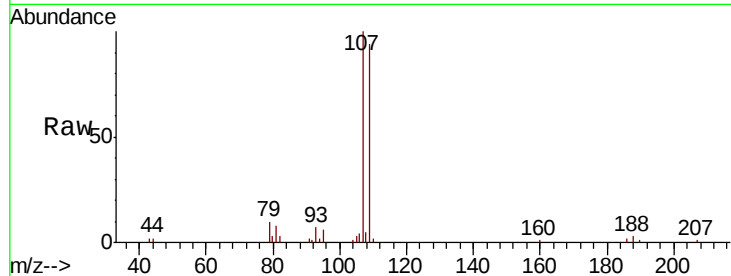
VN0708WBSD01

Tot Ion:107 Resp: 43567

Ion Ratio Lower Upper

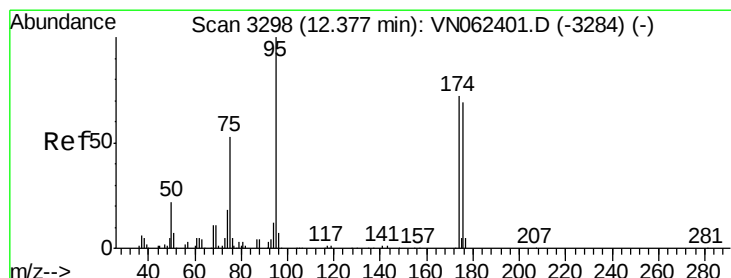
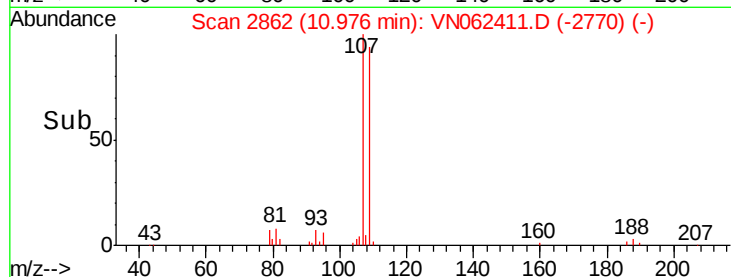
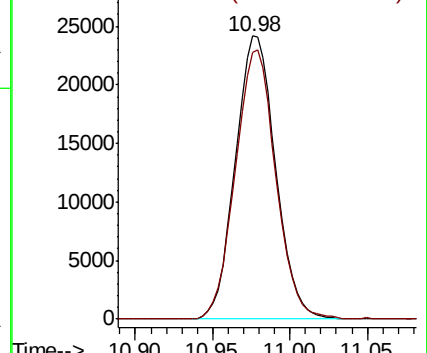
107 100

109 95.5 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.510 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

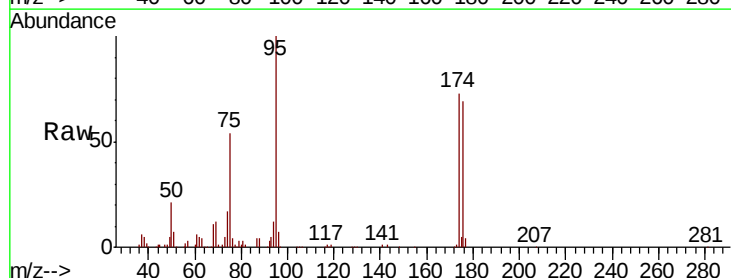
Tgt Ion: 95 Resp: 149452

Ion Ratio Lower Upper

95 100

174 71.8 0.0 141.6

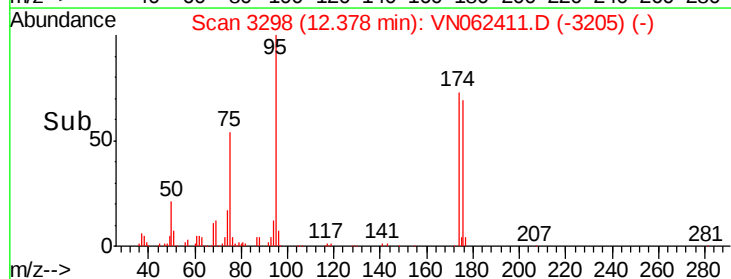
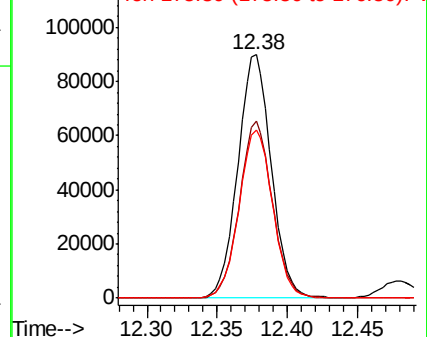
176 69.4 0.0 137.2

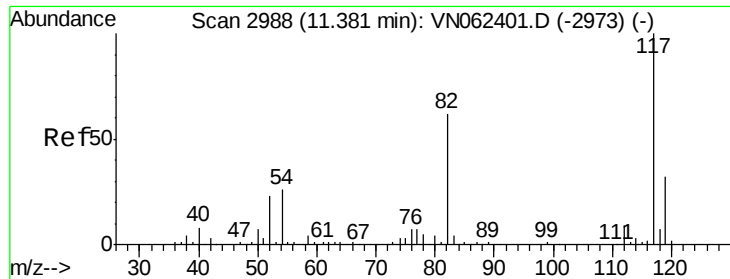


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

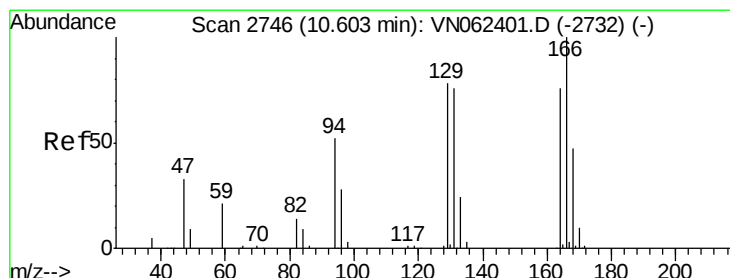
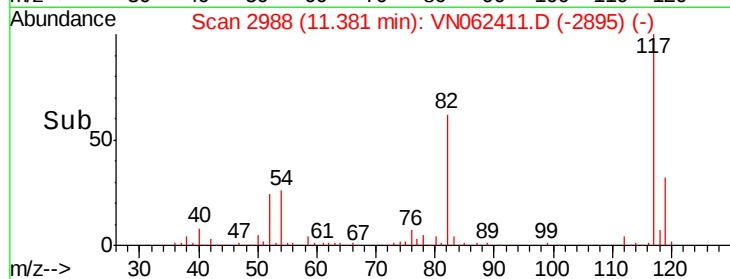
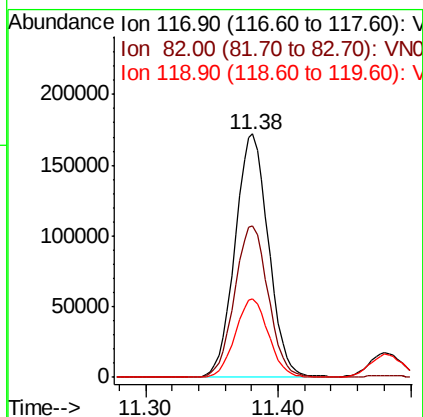
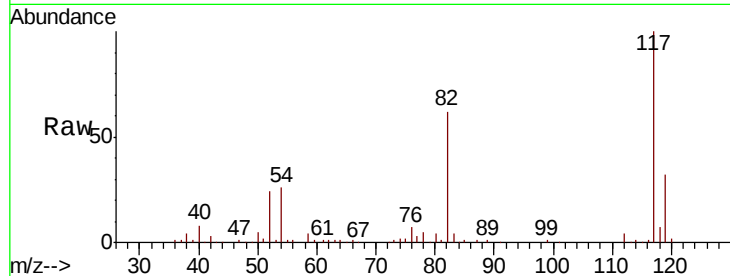




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

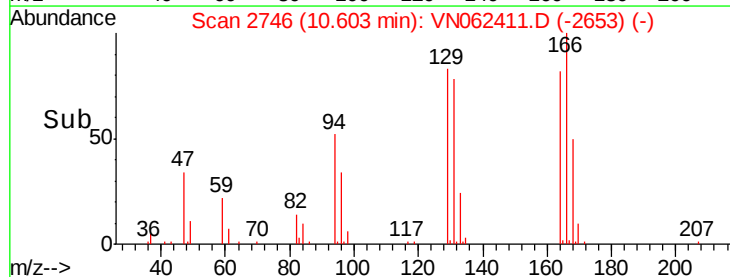
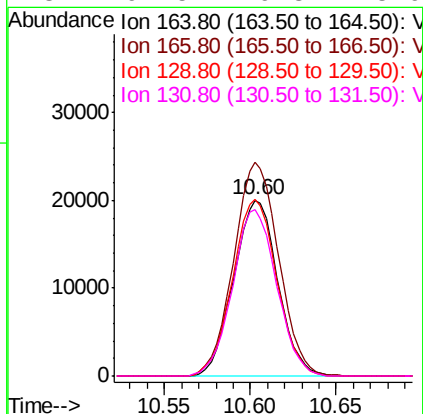
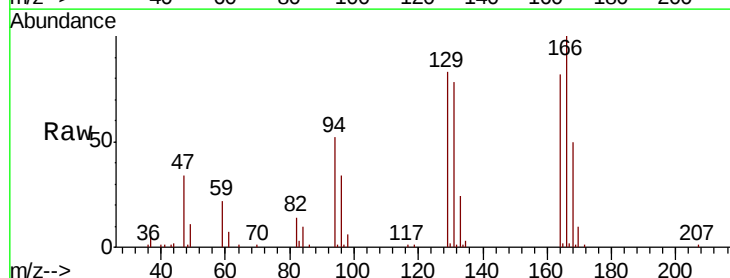
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

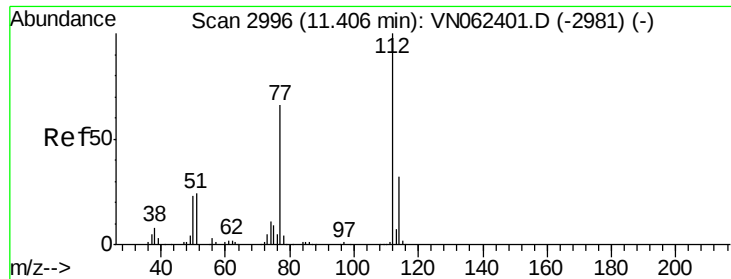
Tot Ion:117 Resp: 301391
Ion Ratio Lower Upper
117 100
82 62.3 49.6 74.4
119 32.0 25.4 38.0



#64
Tetrachloroethene
Concen: 19.909 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion:164 Resp: 35607
Ion Ratio Lower Upper
164 100
166 121.3 104.9 157.3
129 100.6 81.8 122.6
131 94.5 79.3 118.9

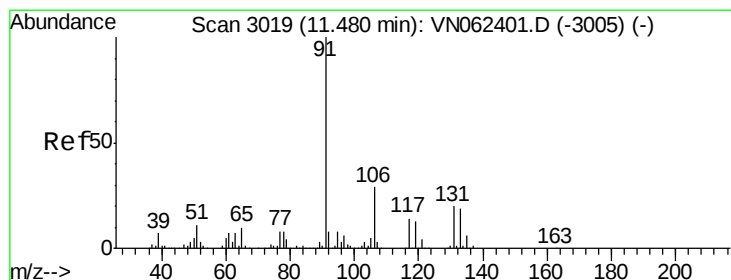
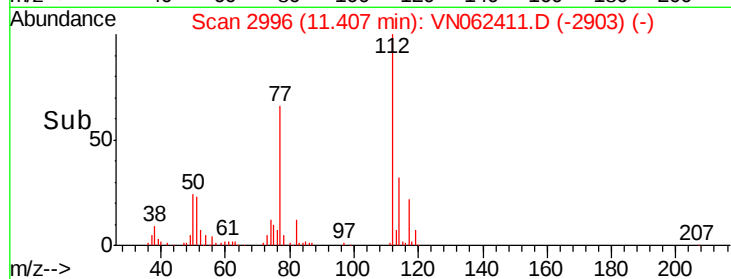
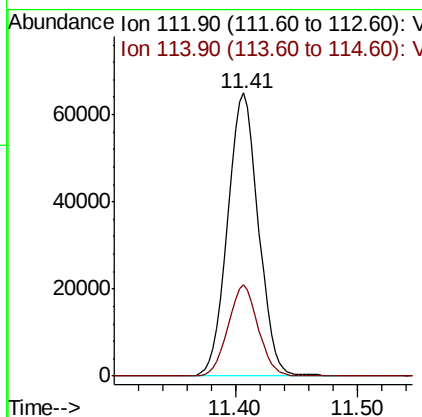
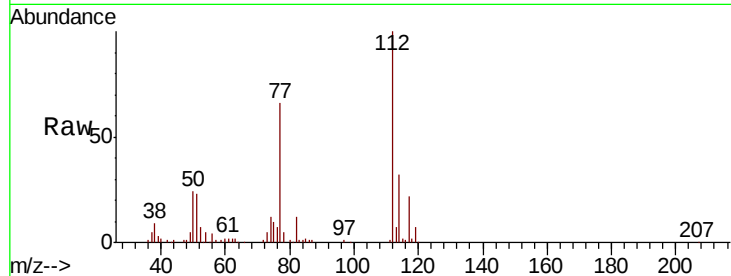




#65
Chlorobenzene
Concen: 19.528 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

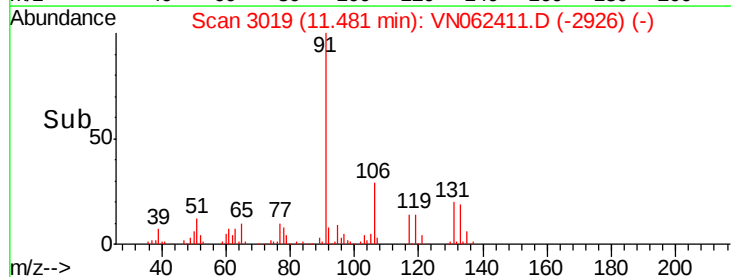
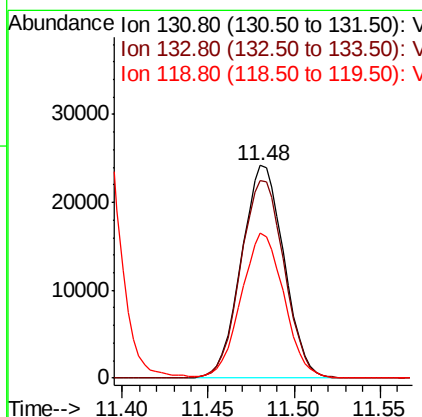
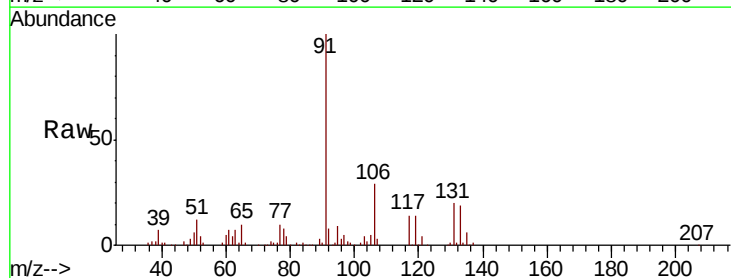
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

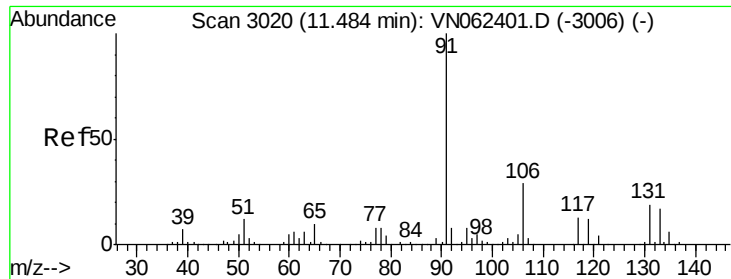
Tot Ion:112 Resp: 114391
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.311 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion:131 Resp: 41714
Ion Ratio Lower Upper
131 100
133 95.2 46.9 140.8
119 68.5 33.2 99.6

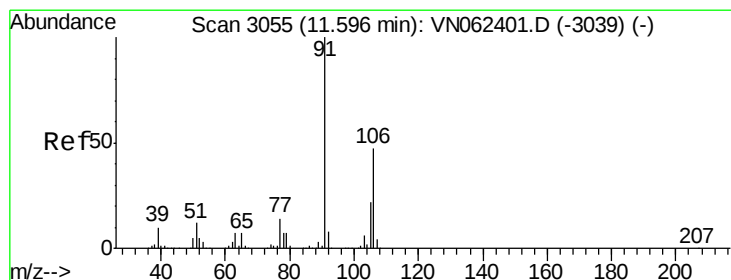
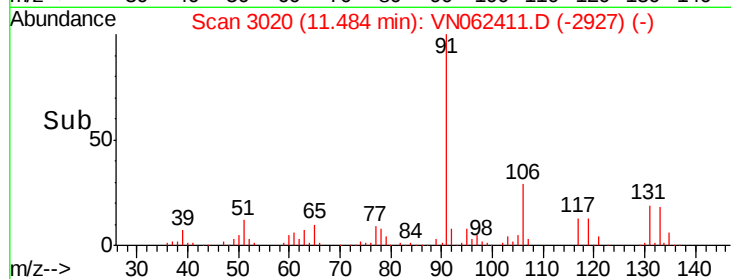
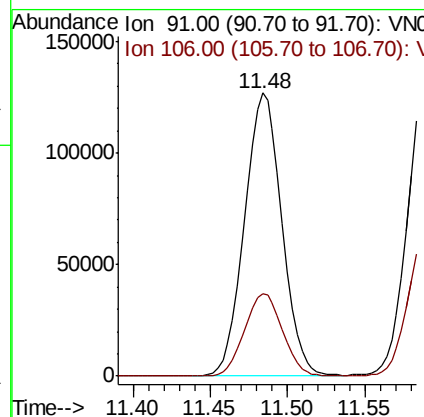
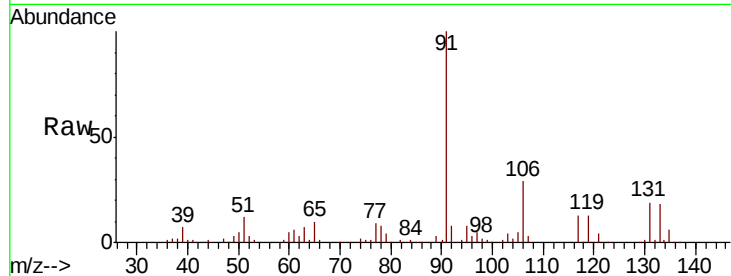




#67
Ethyl Benzene
Concen: 19.394 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

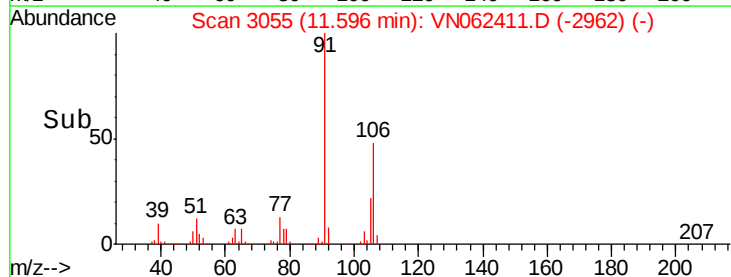
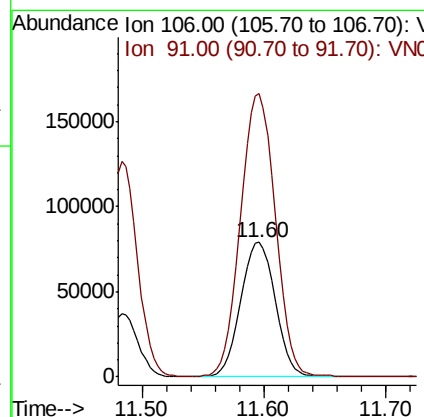
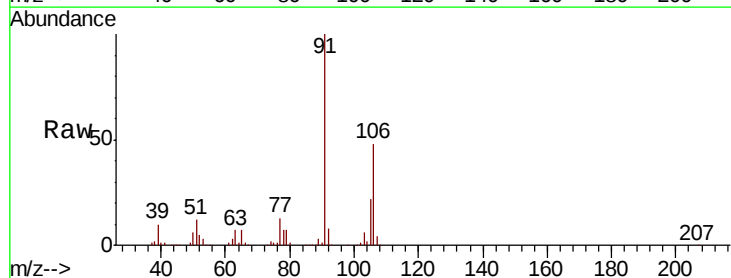
Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

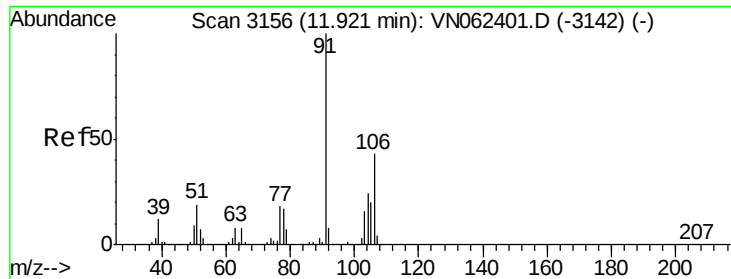
Tot Ion: 91 Resp: 213244
Ion Ratio Lower Upper
91 100
106 29.2 23.4 35.2



#68
m/p-Xylenes
Concen: 39.808 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion: 106 Resp: 154950
Ion Ratio Lower Upper
106 100
91 211.6 172.4 258.6

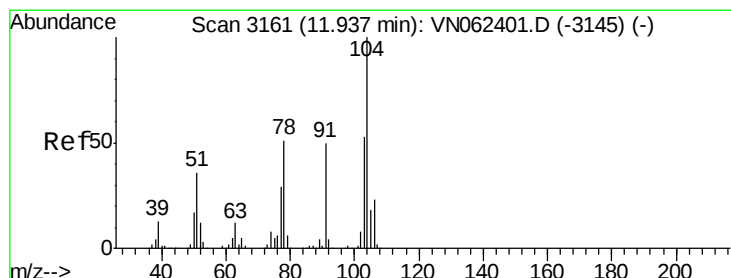
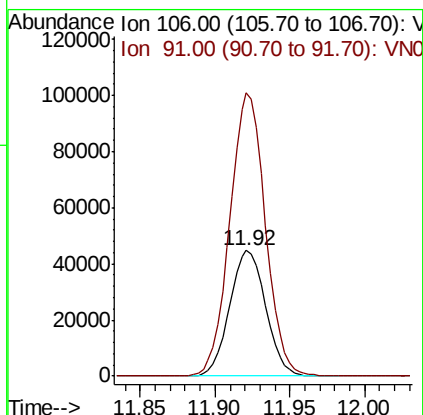
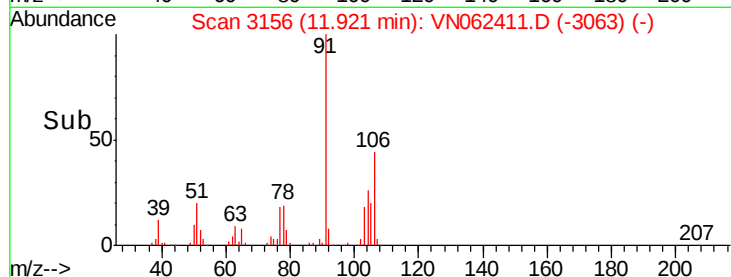
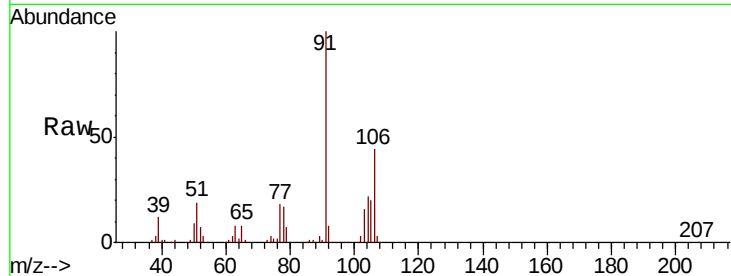




#69
o-Xylene
Concen: 19.841 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

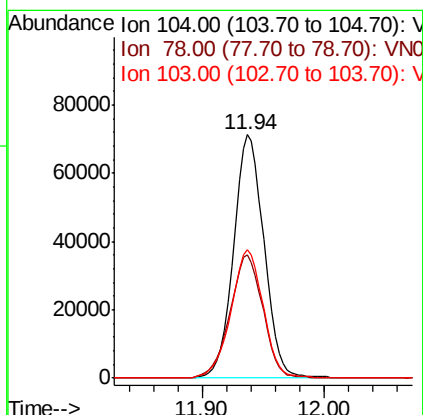
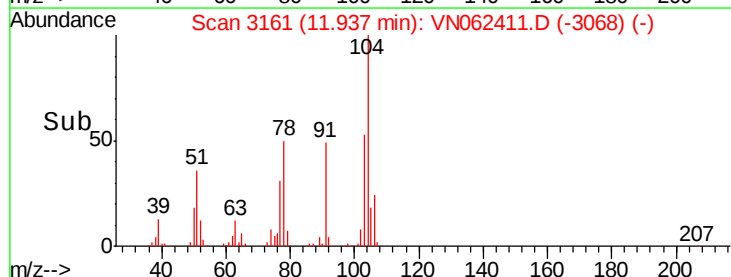
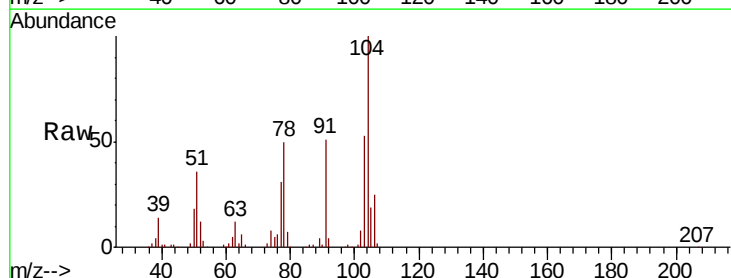
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

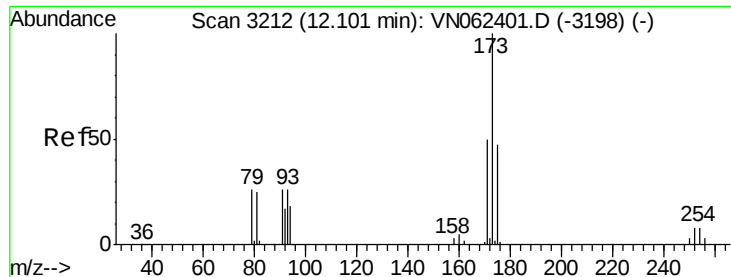
Tot Ion:106 Resp: 75192
Ion Ratio Lower Upper
106 100
91 221.7 113.8 341.4



#70
Styrene
Concen: 19.673 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion:104 Resp: 123218
Ion Ratio Lower Upper
104 100
78 54.8 44.2 66.4
103 56.0 44.4 66.6





#71

Bromoform

Concen: 19.764 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

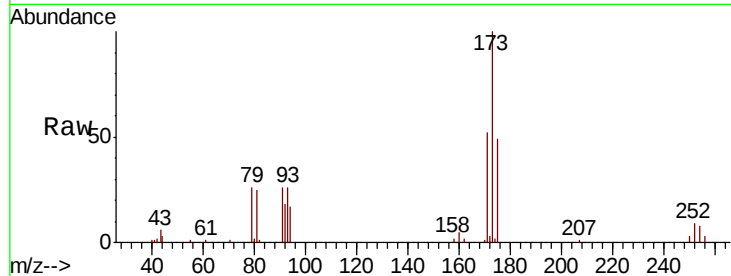
Tot Ion:173 Resp: 31297

Ion Ratio Lower Upper

173 100

175 49.7 23.7 71.1

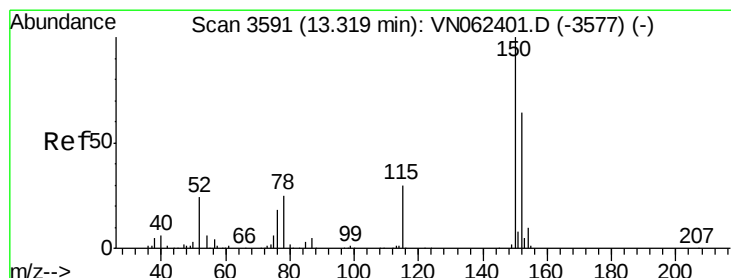
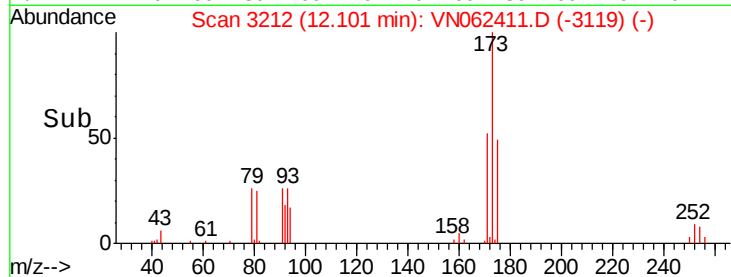
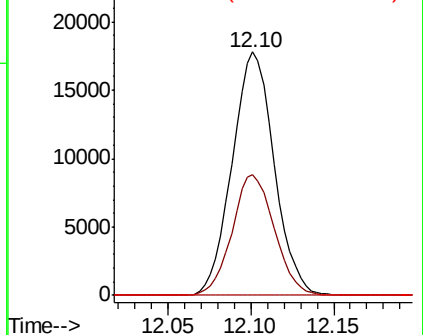
254 0.0 0.0 0.0



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: VN062411.D

Acq: 8 Jul 2020 16:38

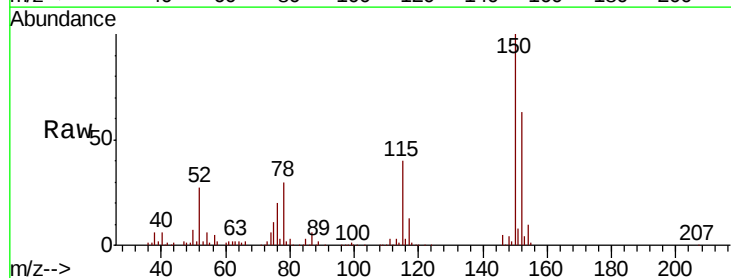
Tgt Ion:152 Resp: 130000

Ion Ratio Lower Upper

152 100

115 63.6 31.4 94.2

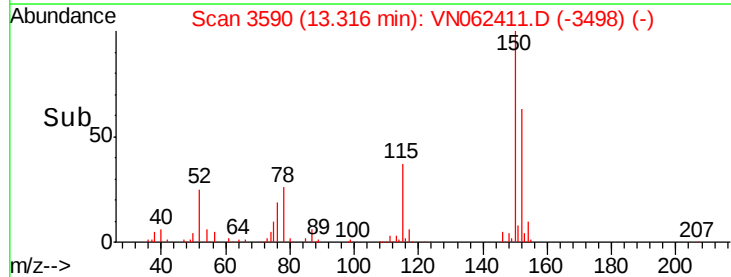
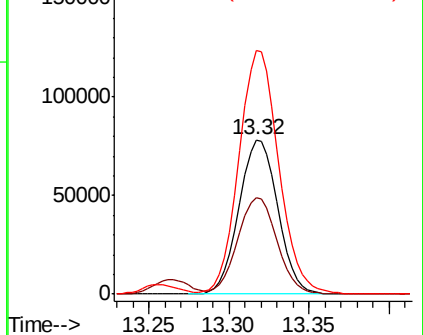
150 161.6 0.0 347.4

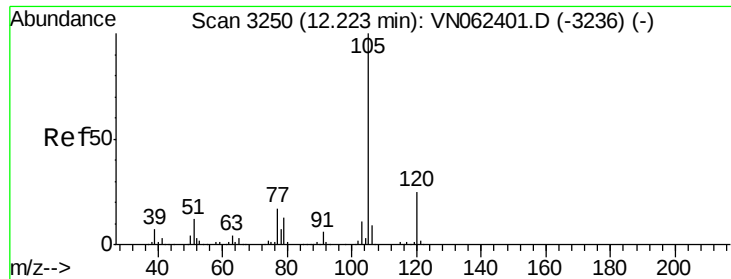


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.947 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

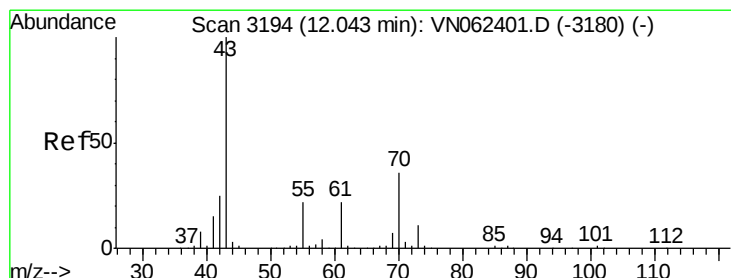
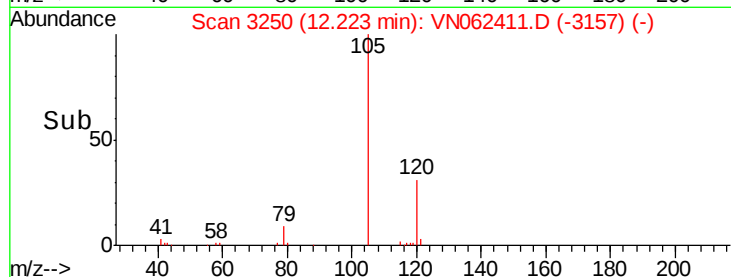
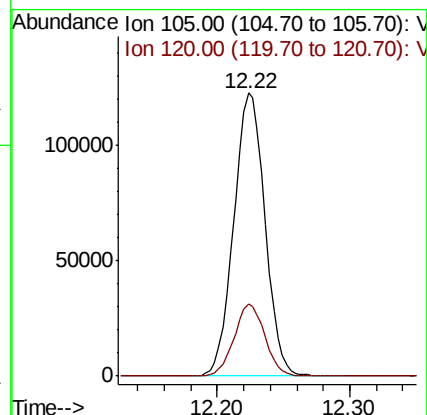
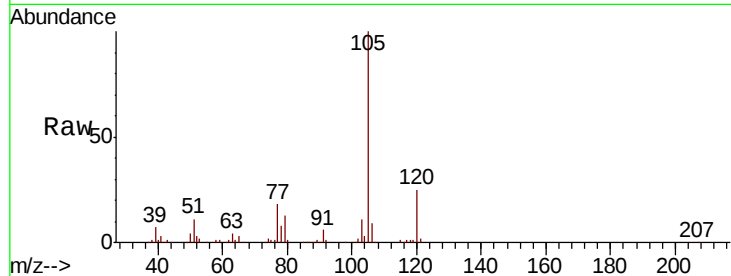
VN0708WBSD01

Tot Ion:105 Resp: 200660

Ion Ratio Lower Upper

105 100

120 24.9 12.7 38.1



#74

N-ethyl acetate

Concen: 20.067 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Tgt Ion: 43 Resp: 98253

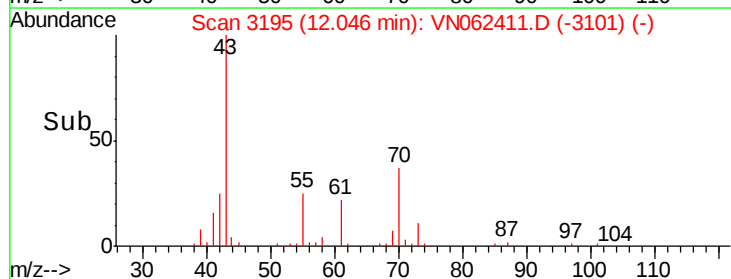
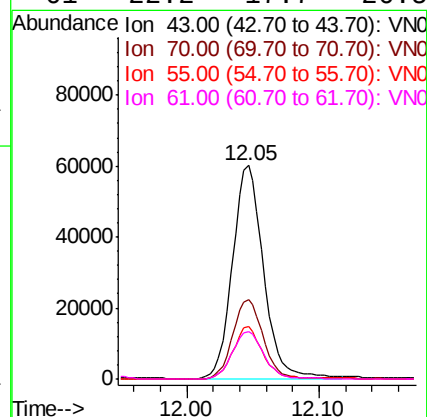
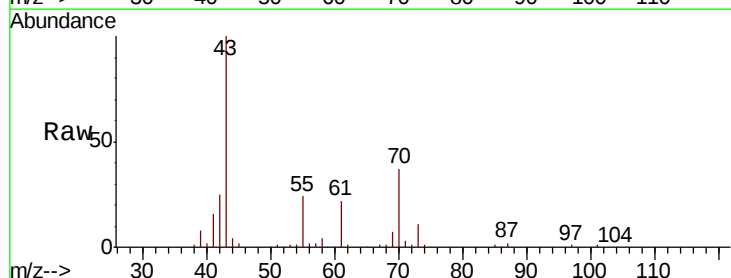
Ion Ratio Lower Upper

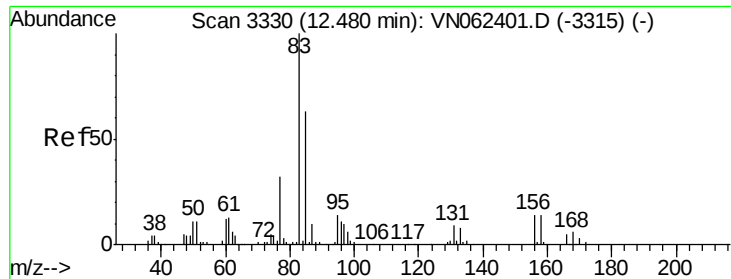
43 100

70 36.5 30.0 45.0

55 23.3 18.2 27.4

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.185 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

VN0708WBSD01

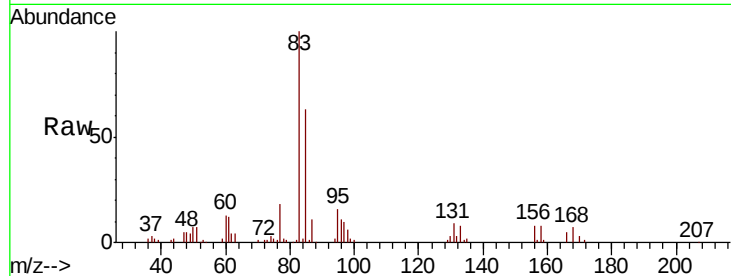
Tot Ion: 83 Resp: 68275

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.5

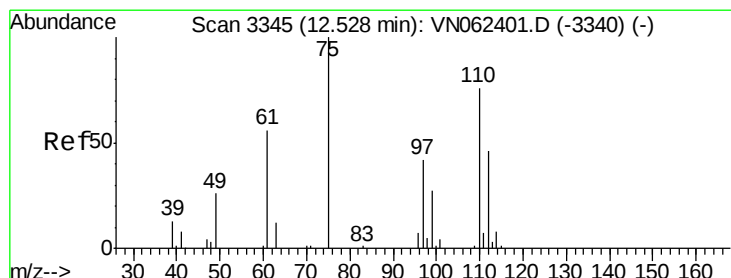
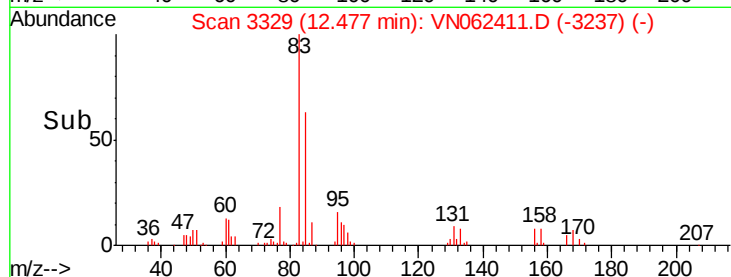
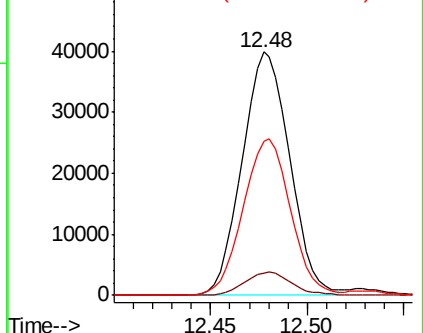
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 27.806 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062411.D

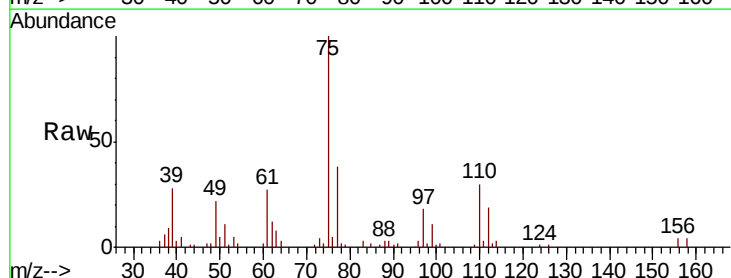
Acq: 8 Jul 2020 16:38

Tgt Ion: 75 Resp: 88694

Ion Ratio Lower Upper

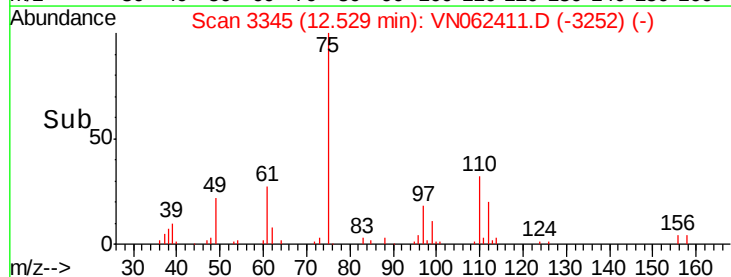
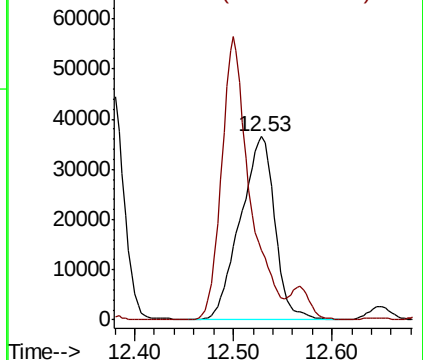
75 100

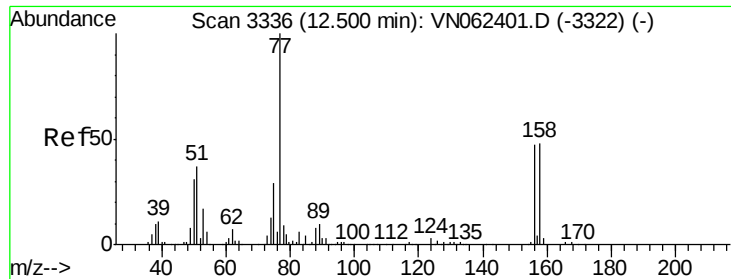
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.897 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

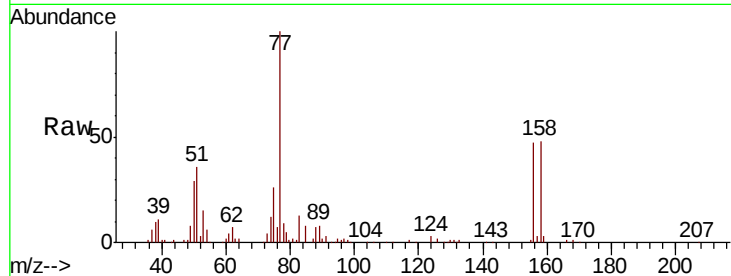
Tot Ion:156 Resp: 45505

Ion Ratio Lower Upper

156 100

77 248.9 126.4 379.3

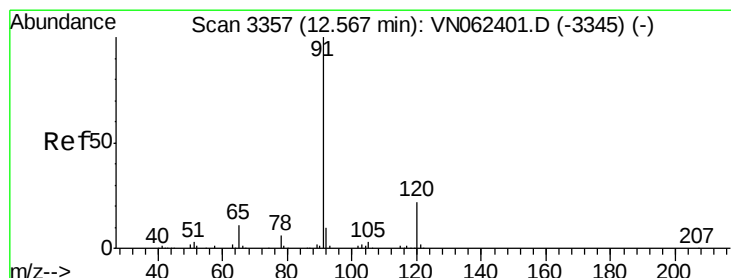
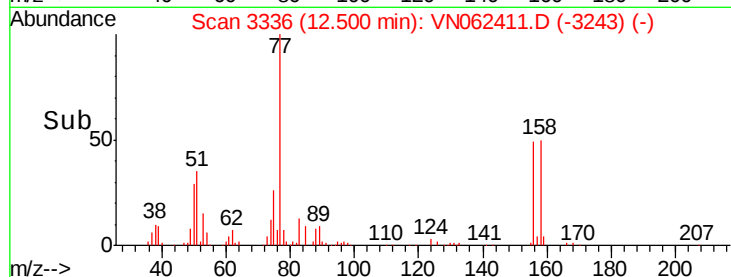
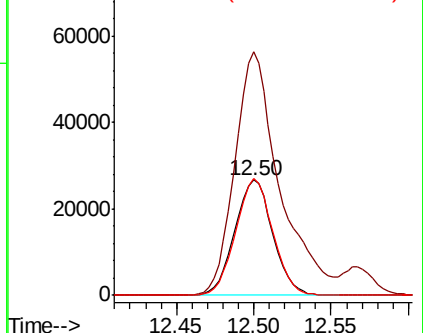
158 99.1 49.8 149.4



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: 19.878 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062411.D

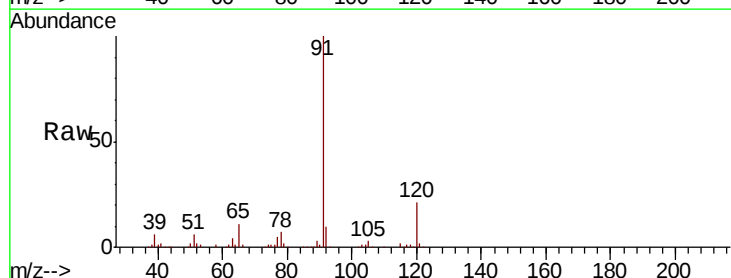
Acq: 8 Jul 2020 16:38

Tgt Ion: 91 Resp: 233580

Ion Ratio Lower Upper

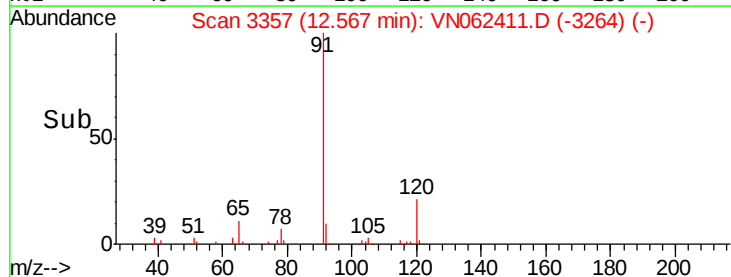
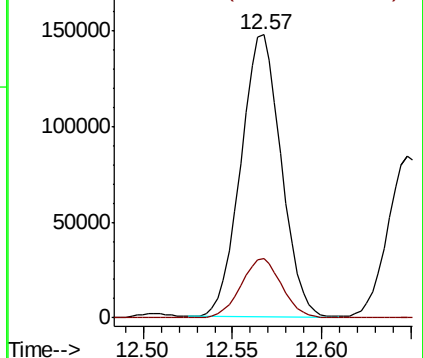
91 100

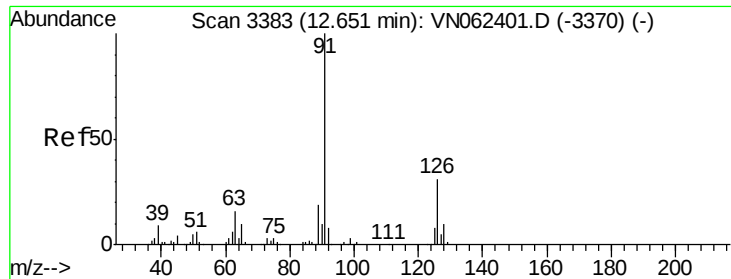
120 21.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.575 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

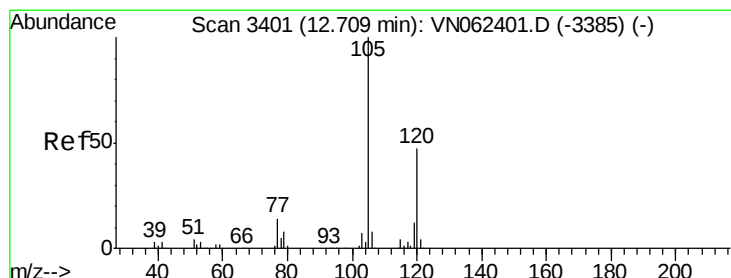
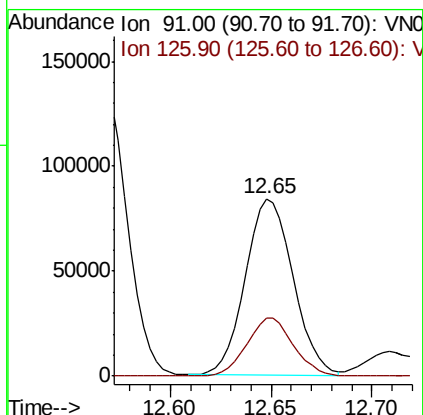
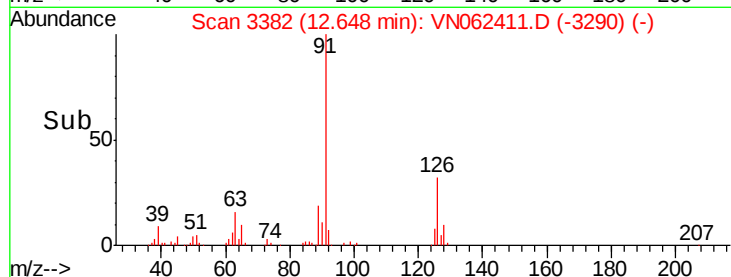
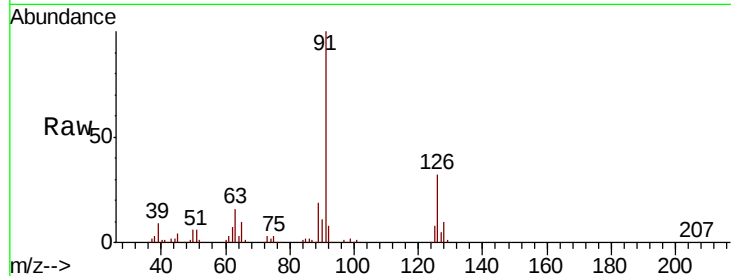
VN0708WBSD01

Tot Ion: 91 Resp: 139603

Ion Ratio Lower Upper

91 100

126 32.3 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 20.283 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062411.D

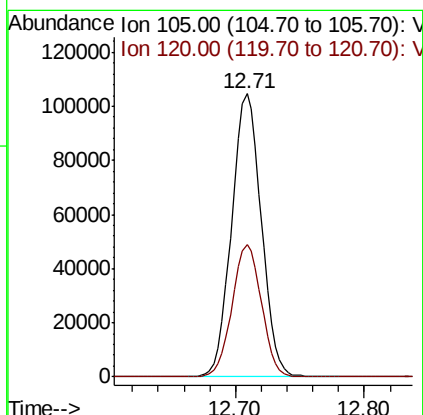
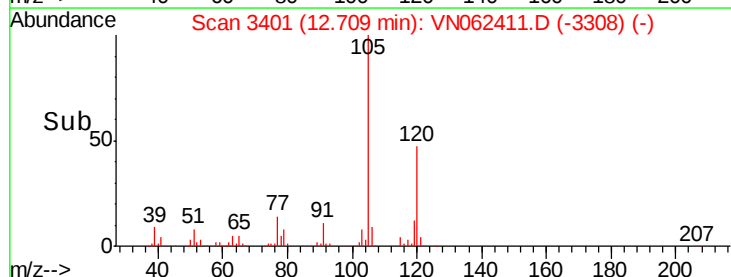
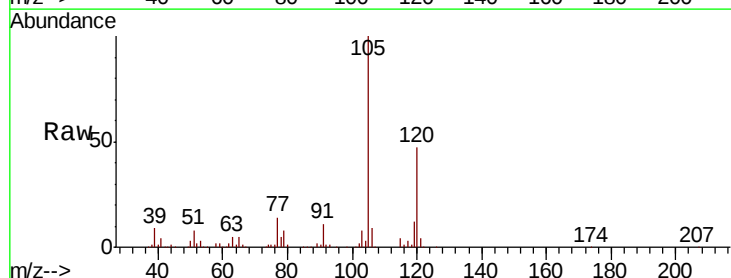
Acq: 8 Jul 2020 16:38

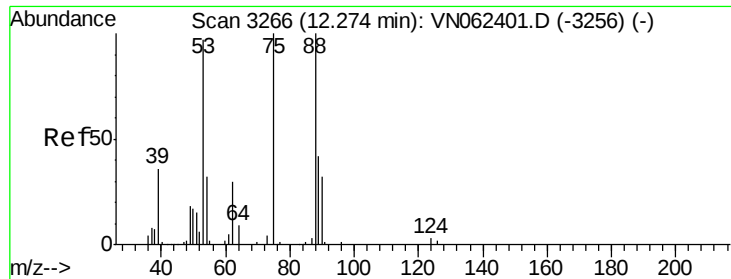
Tgt Ion: 105 Resp: 167268

Ion Ratio Lower Upper

105 100

120 46.2 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.891 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

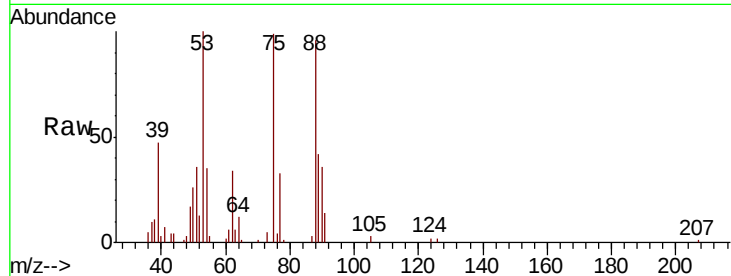
Tot Ion: 75 Resp: 22513

Ion Ratio Lower Upper

75 100

53 100.6 79.2 118.8

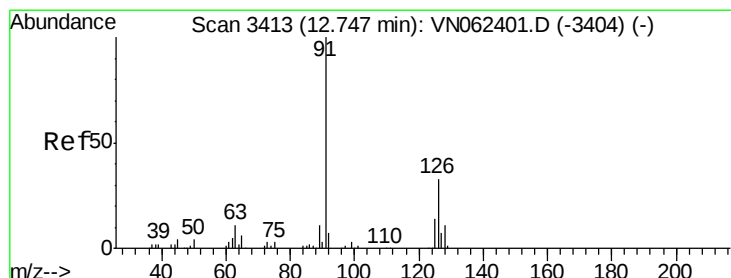
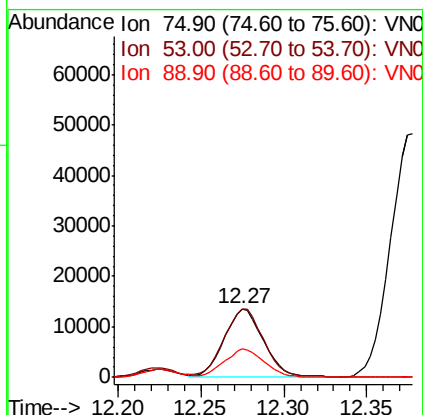
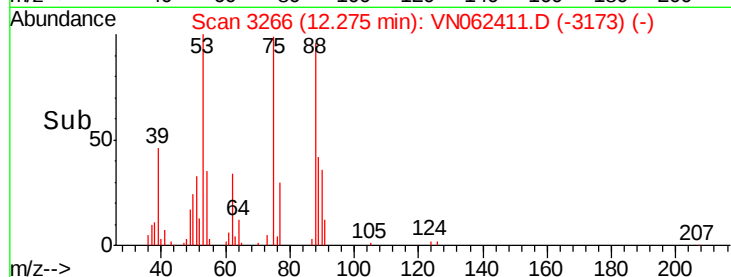
89 41.8 34.6 52.0



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: 19.798 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062411.D

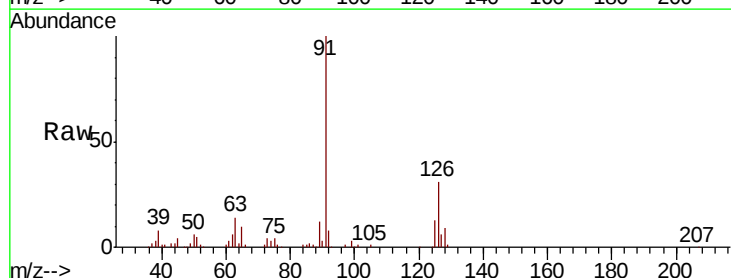
Acq: 8 Jul 2020 16:38

Tgt Ion: 91 Resp: 143343

Ion Ratio Lower Upper

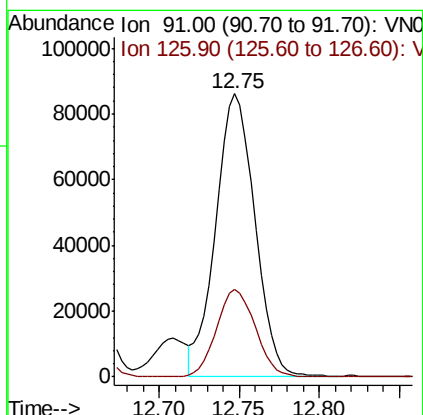
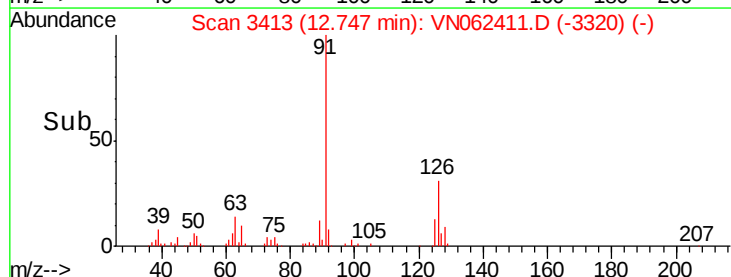
91 100

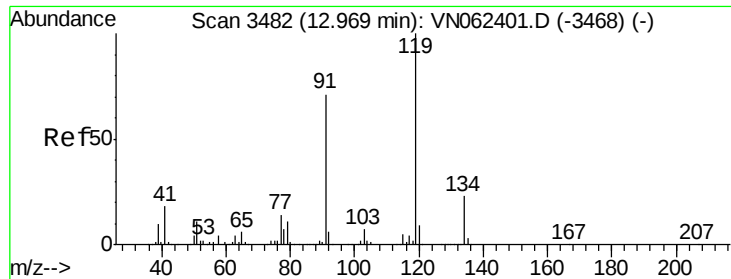
126 30.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

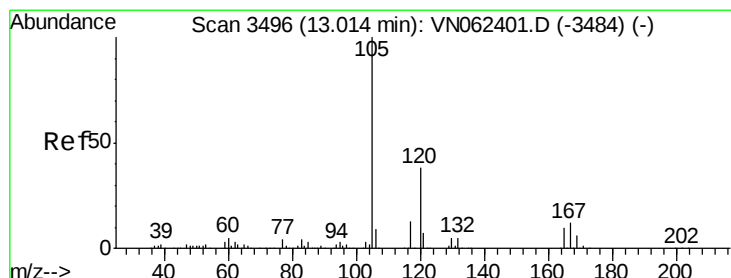
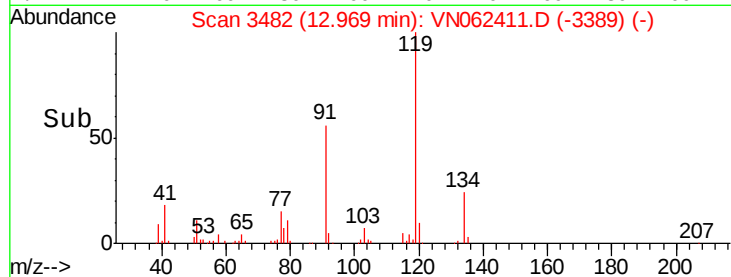
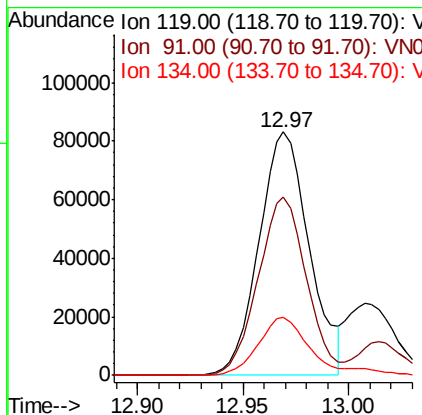
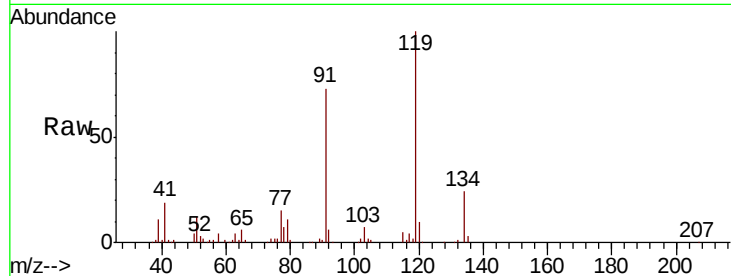




#83
tert-Butylbenzene
Concen: 19.702 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

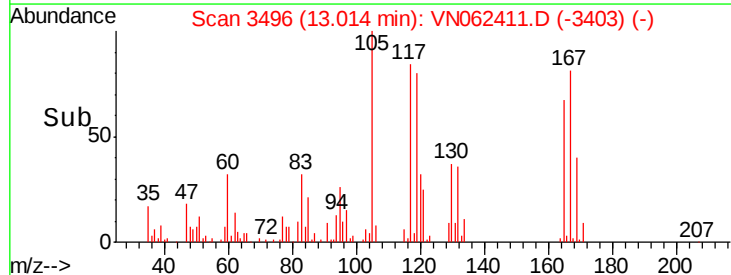
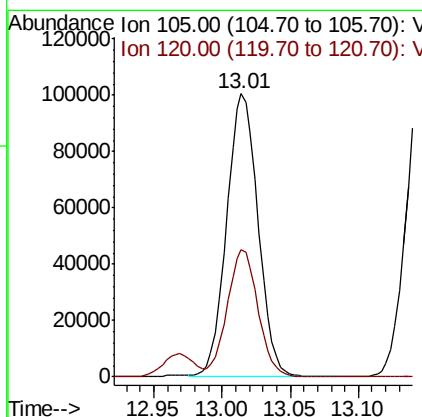
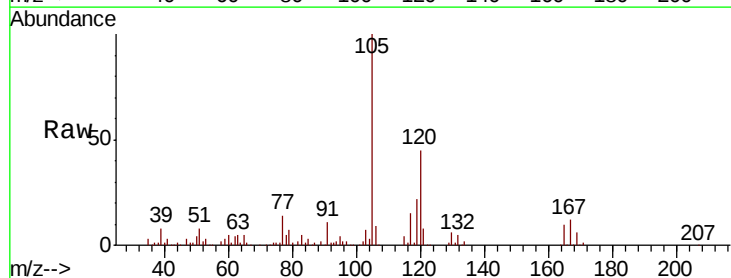
Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion:119 Resp: 137883
Ion Ratio Lower Upper
119 100
91 70.9 34.8 104.3
134 23.4 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 19.497 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion:105 Resp: 159819
Ion Ratio Lower Upper
105 100
120 44.2 21.6 64.8





#85

sec-Butylbenzene

Concen: 19.925 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

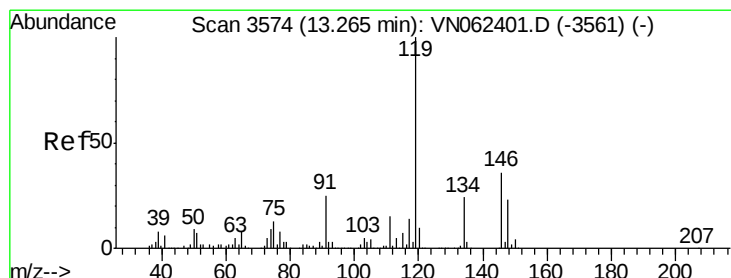
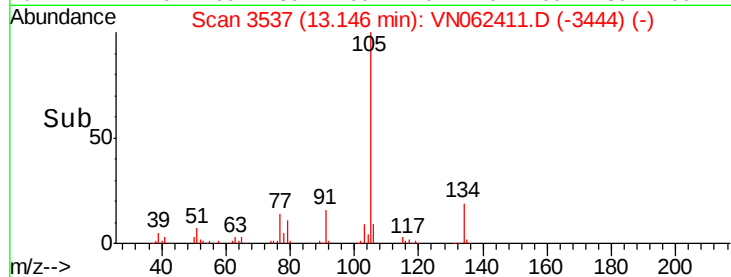
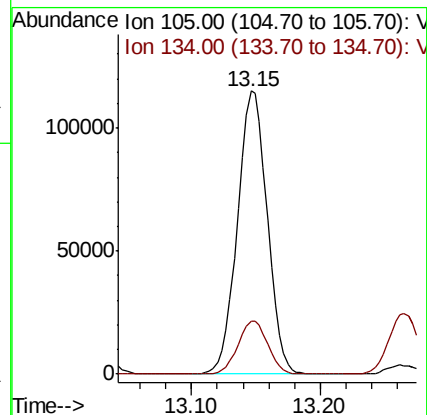
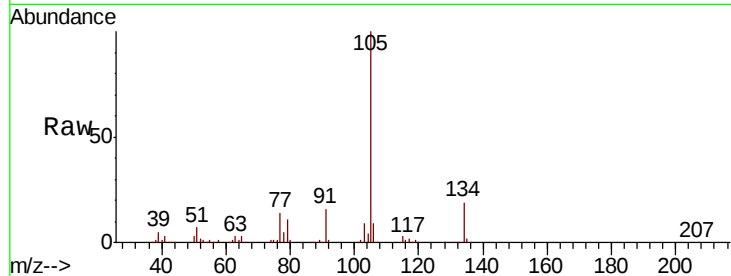
VN0708WBSD01

Tot Ion:105 Resp: 184775

Ion Ratio Lower Upper

105 100

134 18.6 9.3 28.0



#86

p-Isopropyltoluene

Concen: 19.830 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

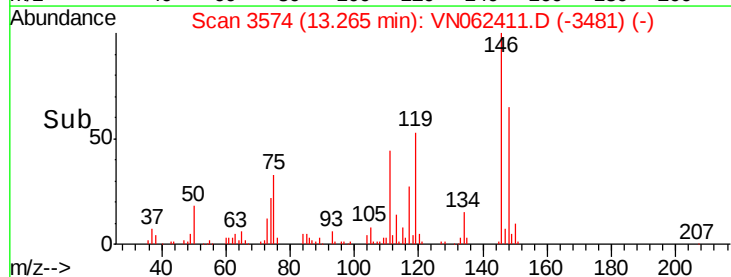
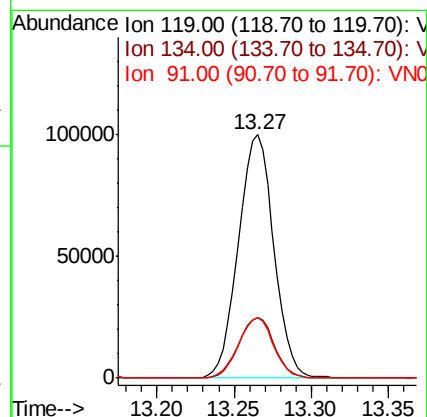
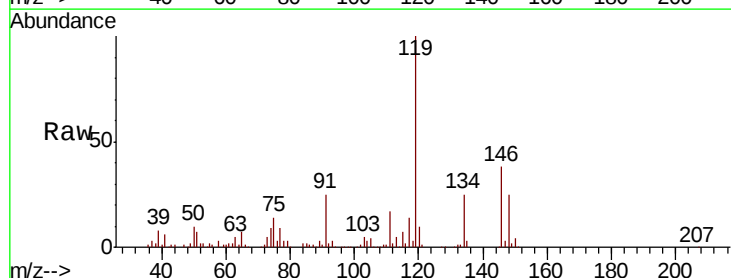
Tgt Ion:119 Resp: 158721

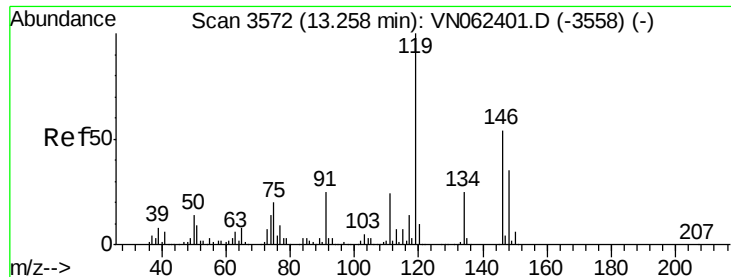
Ion Ratio Lower Upper

119 100

134 24.9 12.4 37.0

91 24.8 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 19.812 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

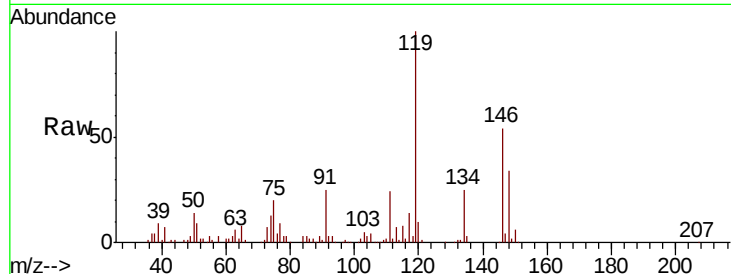
Tot Ion:146 Resp: 78166

Ion Ratio Lower Upper

146 100

111 43.3 21.6 64.6

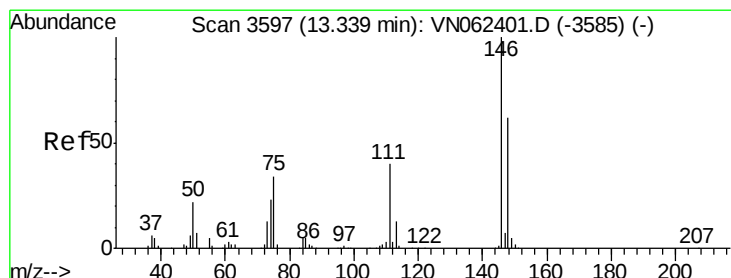
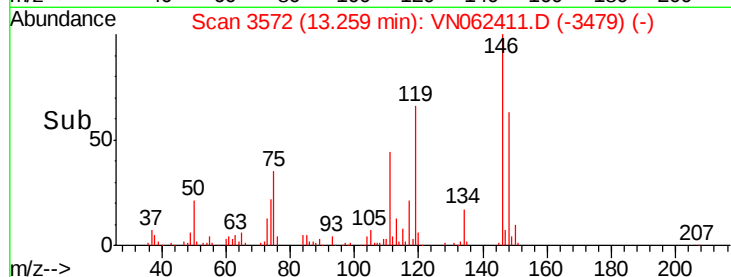
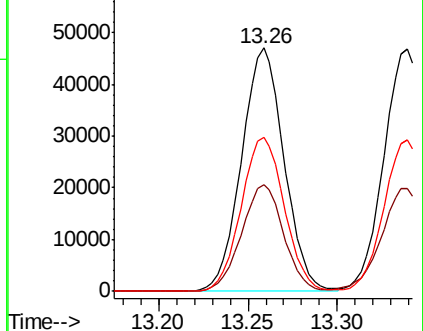
148 64.1 32.2 96.6



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: 19.345 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

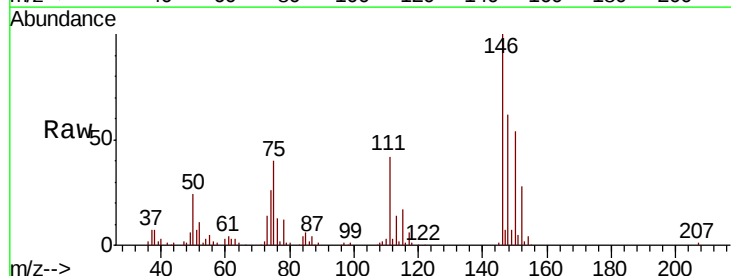
Tgt Ion:146 Resp: 78531

Ion Ratio Lower Upper

146 100

111 44.1 21.1 63.1

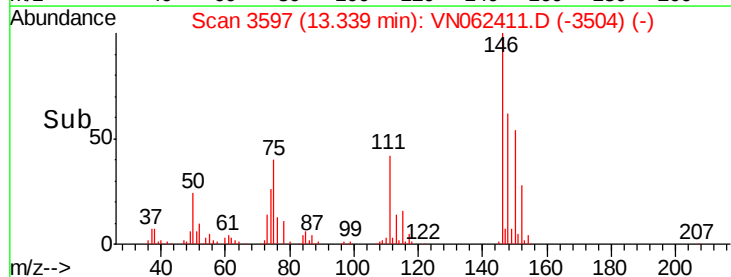
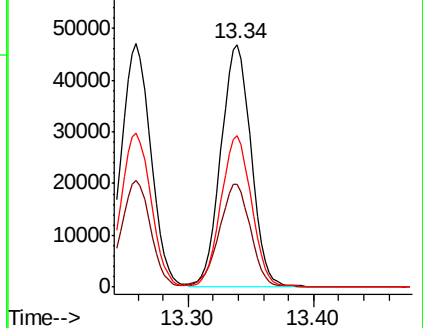
148 63.2 31.4 94.2

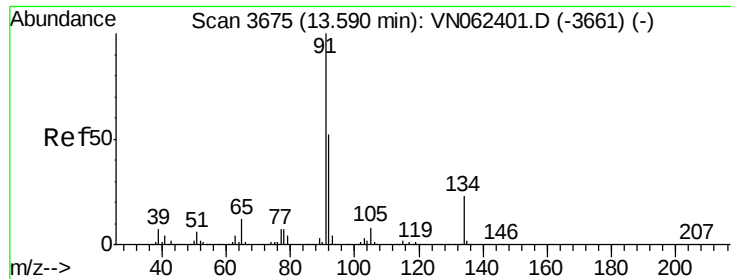


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.544 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampled :

VN0708WBSD01

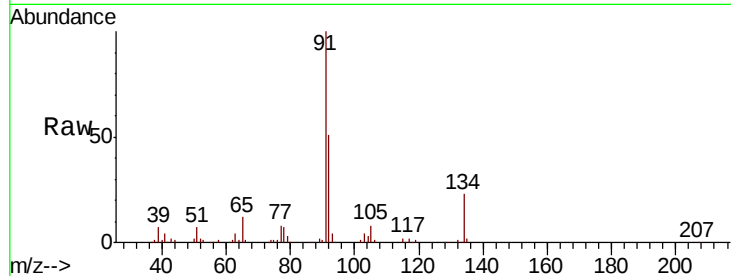
Tot Ion: 91 Resp: 131054

Ion Ratio Lower Upper

91 100

92 51.8 25.9 77.7

134 22.7 11.6 34.8

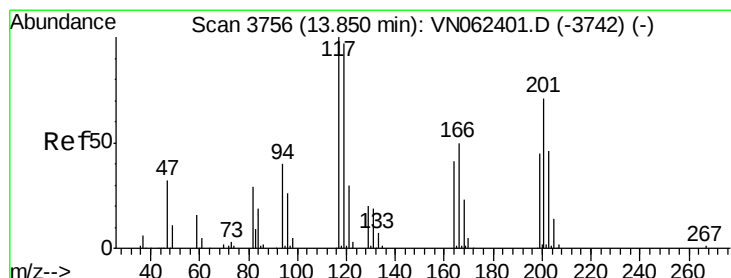
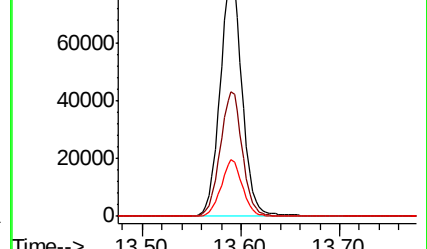
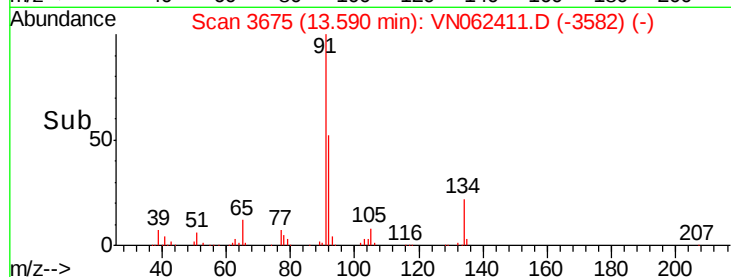


Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3661) (-)

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

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

13.59



#90

Hexachloroethane

Concen: 19.410 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062411.D

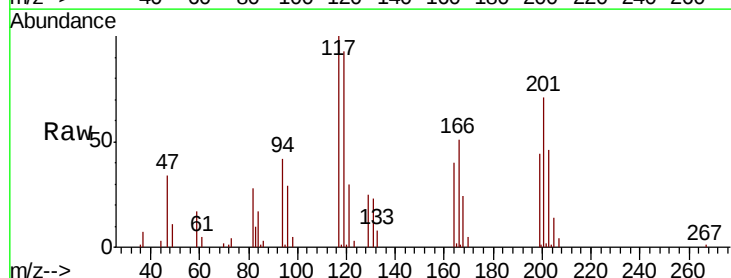
Acq: 8 Jul 2020 16:38

Tgt Ion: 117 Resp: 30560

Ion Ratio Lower Upper

117 100

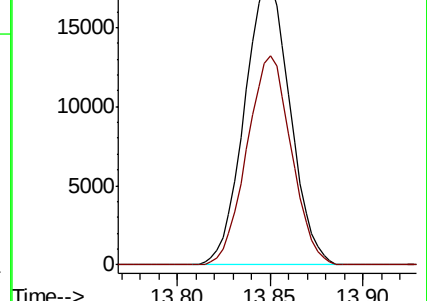
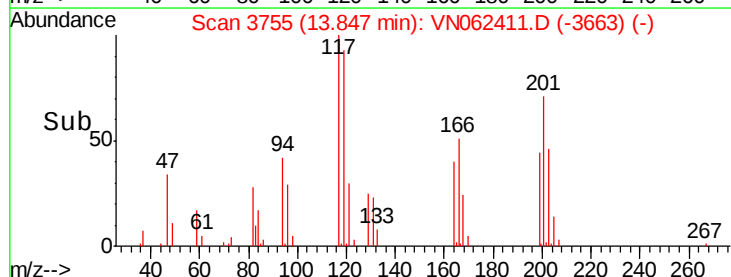
201 71.8 35.4 106.2

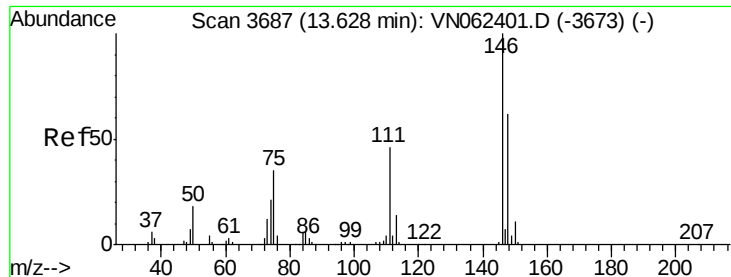


Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-3742) (-)

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

13.85





#91

1,2-Dichlorobenzene

Concen: 20.172 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

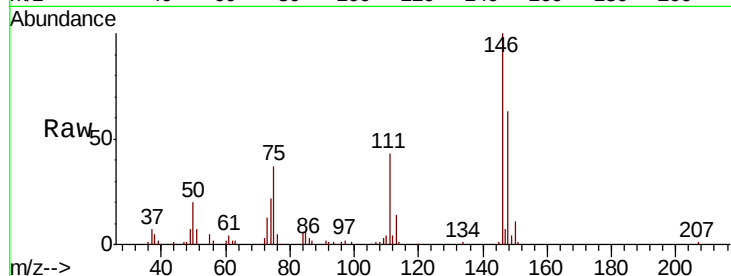
Tot Ion:146 Resp: 76950

Ion Ratio Lower Upper

146 100

111 44.0 22.5 67.5

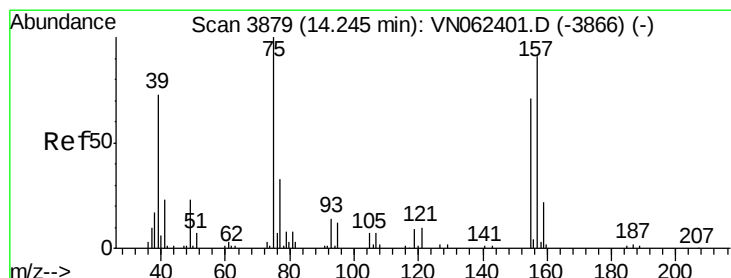
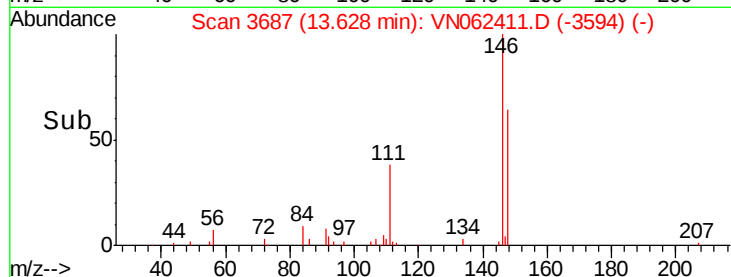
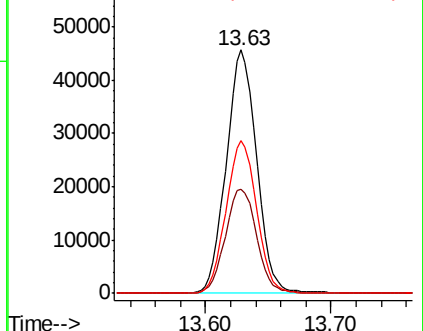
148 62.7 31.4 94.2



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: 20.278 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062411.D

Acq: 8 Jul 2020 16:38

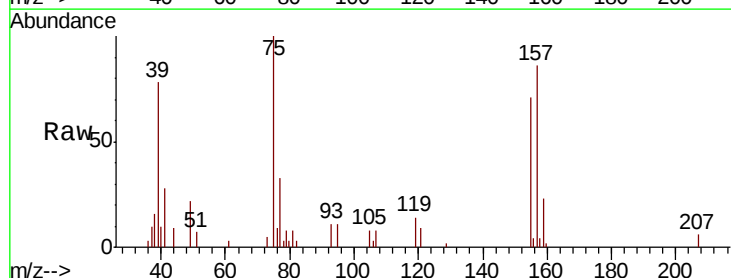
Tgt Ion: 75 Resp: 12517

Ion Ratio Lower Upper

75 100

155 69.5 35.2 105.6

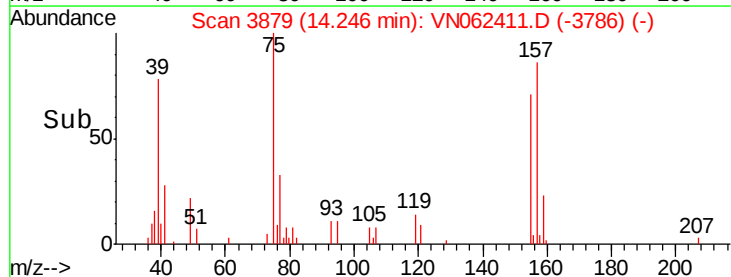
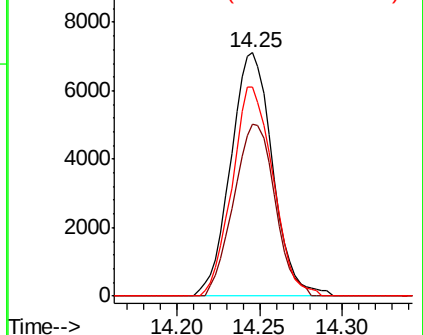
157 84.0 45.8 137.3

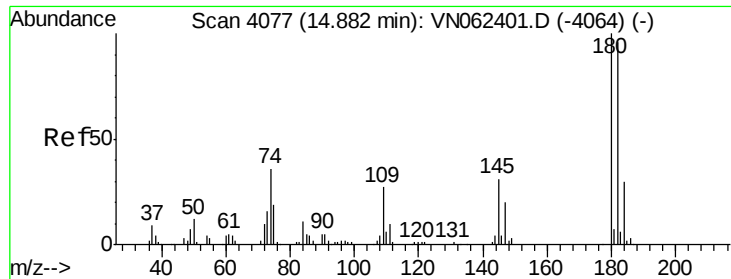


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

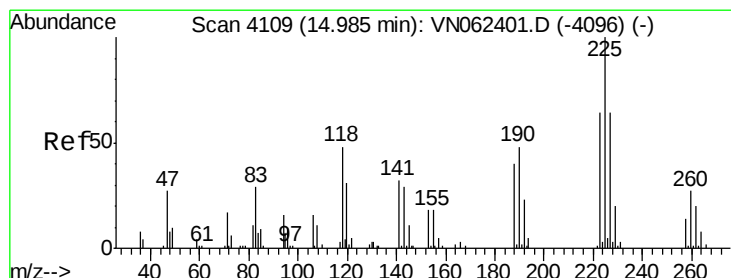
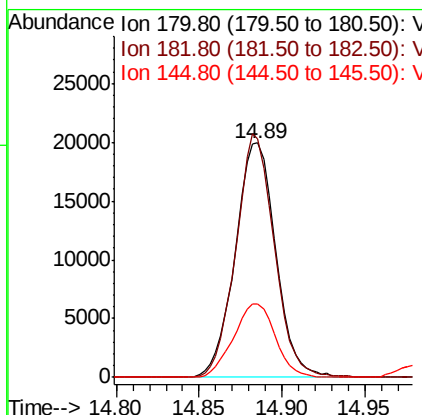
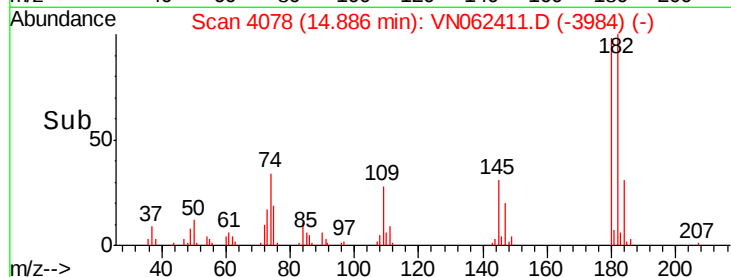
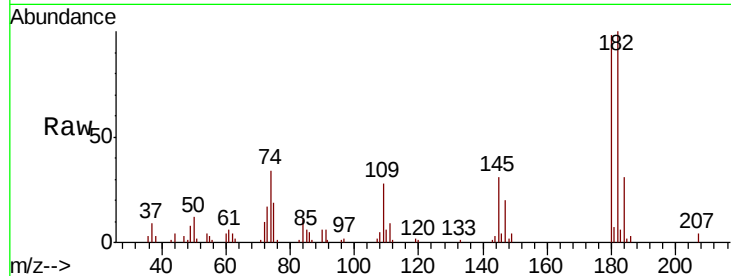




#93
 1,2,4-Trichlorobenzene
 Concen: 19.877 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

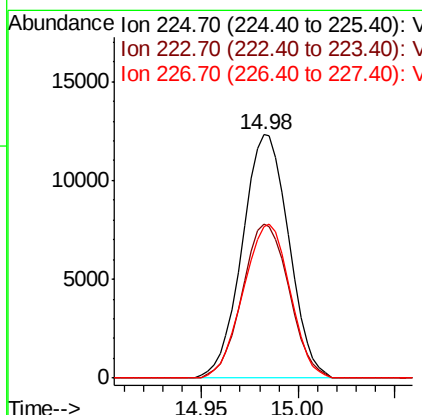
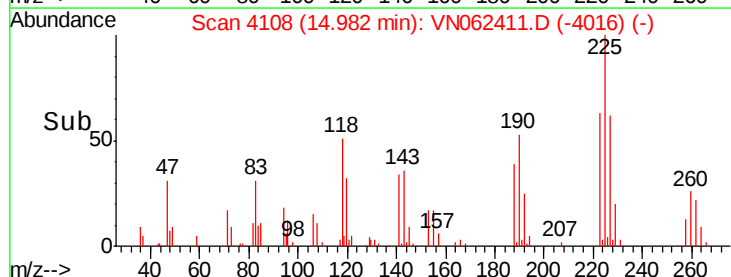
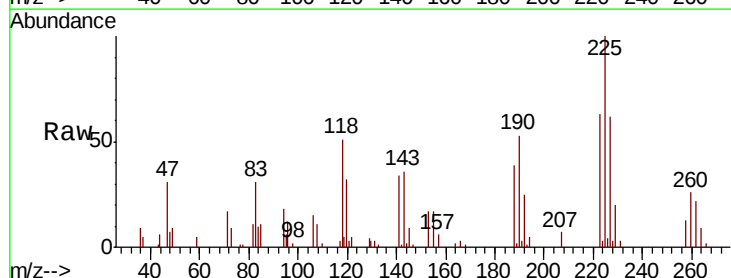
Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBSD01

Tot Ion:180 Resp: 33911
 Ion Ratio Lower Upper
 180 100
 182 98.5 48.4 145.2
 145 32.2 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 20.359 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062411.D
 Acq: 8 Jul 2020 16:38

Tgt Ion:225 Resp: 20620
 Ion Ratio Lower Upper
 225 100
 223 63.5 32.3 96.8
 227 63.3 31.9 95.7

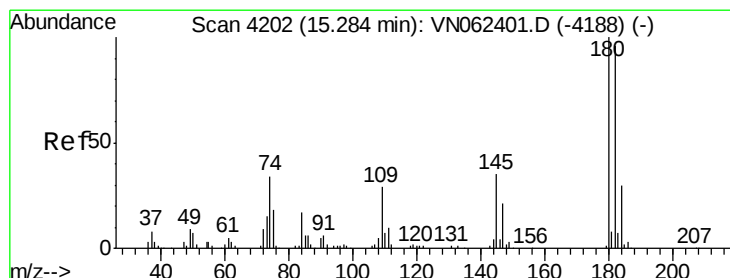
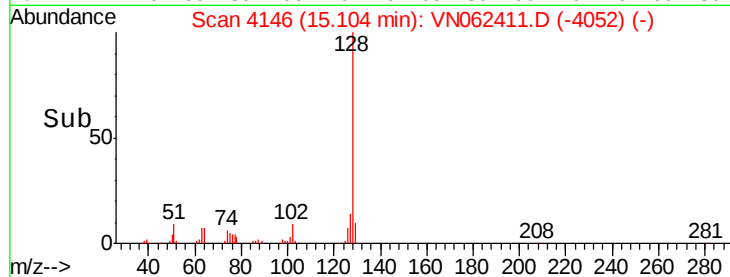
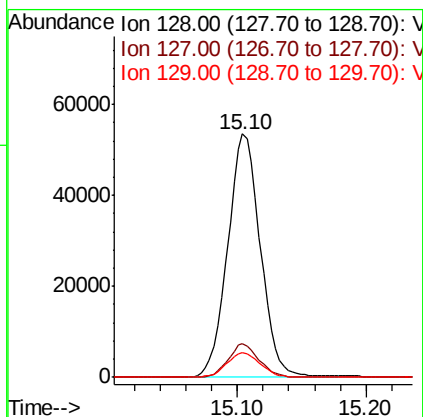
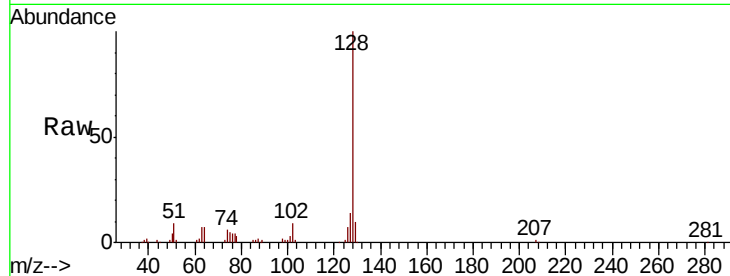




#95
Naphthalene
Concen: 20.384 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion:128 Resp: 94133
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.970 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062411.D
Acq: 8 Jul 2020 16:38

Tgt Ion:180 Resp: 34578
Ion Ratio Lower Upper
180 100
182 98.8 47.8 143.4
145 32.9 17.0 50.9

