

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062557.D
 Acq On : 20 Jul 2020 13:17
 Operator : JC/MD
 Sample : VN0720WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Quant Time: Jul 21 00:54:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	36082	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	191526	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	177886	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	93287	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.38	95	89194	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	10.06	98	255318	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	42871	20.130 ug/l	98
3) Chloromethane	2.04	50	56227	18.285 ug/l	100
4) Vinyl Chloride	2.16	62	50253	18.695 ug/l	97
5) Bromomethane	2.54	94	24133	18.097 ug/l	93
6) Chloroethane	2.67	64	24023	18.154 ug/l	100
7) Trichlorofluoromethane	2.98	101	62405	19.808 ug/l	96
8) Diethyl Ether	3.37	74	30491	20.132 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41144	20.201 ug/l	98
10) 1,1-Dichloroethene	3.70	96	39902	19.204 ug/l	97
11) Methyl Iodide	3.91	142	44318	17.417 ug/l	95
12) Methyl Acetate	4.28	43	57896	20.777 ug/l	99
13) Acrolein	3.57	56	35962	86.376 ug/l	95
14) Acrylonitrile	4.93	53	131892	101.768 ug/l	98
15) Acetone	3.77	58	35005	87.987 ug/l	88
16) Carbon Disulfide	4.01	76	125676	18.561 ug/l	100
17) Allyl chloride	4.27	41	88278	19.977 ug/l	96
18) Methylene Chloride	4.50	84	52720	20.621 ug/l	99
19) trans-1,2-Dichloroethene	4.99	96	44419	19.315 ug/l	95
20) Diisopropyl ether	5.90	45	185549	20.426 ug/l	98
21) 1,1-Dichloroethane	5.80	63	95531	19.891 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	50958	19.649 ug/l	97
23) tert-Butyl Alcohol	4.73	59	46325	106.808 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	157979	20.623 ug/l	99
25) Chloroform	7.33	83	90392	20.523 ug/l	99
26) Cyclohexane	7.61	56	78892	18.637 ug/l	# 98
29) 1,1-Dichloropropene	7.75	75	67440	20.759 ug/l	99
30) 2-Butanone	6.79	43	179087	103.943 ug/l	99
31) 2,2-Dichloropropane	6.78	77	74516	20.342 ug/l	# 70
32) 1,1,1-Trichloroethane	7.53	97	75693	21.678 ug/l	97
33) Carbon Tetrachloride	7.73	117	64520	21.316 ug/l	99
34) Benzene	8.00	78	203723	21.107 ug/l	99
35) Methacrylonitrile	7.13	41	33225	21.953 ug/l	96
36) 1,2-Dichloroethane	8.08	62	78681	22.681 ug/l	99
37) Trichloroethene	8.80	130	46483	21.441 ug/l	97
38) Methylcyclohexane	9.05	83	71503	19.620 ug/l	98
39) 1,2-Dichloropropane	9.08	63	59009	21.460 ug/l	98
40) Dibromomethane	9.17	93	35178	22.199 ug/l	99

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 VN0720WBSD01

Quant Time: Jul 21 00:54:18 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	73321	21.814	ug/l	99
42) Vinyl Acetate	5.84	43	759000	106.012	ug/l	100
43) Ethyl Acetate	6.88	43	75914	21.916	ug/l	99
44) Isopropyl Acetate	8.13	43	123049	21.172	ug/l	97
45) 1,4-Dioxane	9.17	88	16909	425.320	ug/l	94
46) Methyl methacrylate	9.17	41	57436	20.831	ug/l	97
47) n-amyl Acetate	12.05	43	99292	20.268	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	83906	21.403	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	91488	21.618	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	49704	22.376	ug/l	97
51) Ethyl methacrylate	10.40	69	77175	20.636	ug/l	99
52) 1,3-Dichloropropane	10.68	76	89317	21.909	ug/l	100
53) Dibromochloromethane	10.87	129	53242	22.000	ug/l	99
54) 1,2-Dibromoethane	10.98	107	49384	21.721	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	113410	94.945	ug/l	99
56) Bromoform	12.10	173	35837	21.680	ug/l	100
58) 4-Methyl-2-Pentanone	9.95	43	378723	109.275	ug/l	100
59) 2-Hexanone	10.72	43	267472	105.229	ug/l	100
61) Tetrachloroethene	10.60	164	38201	20.970	ug/l	90
62) Toluene	10.12	91	213985	21.204	ug/l	99
64) Chlorobenzene	11.41	112	124467	20.990	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	48100	21.914	ug/l	95
66) Ethyl Benzene	11.48	91	226804	20.295	ug/l	99
67) m/p-Xylenes	11.59	106	166463	41.039	ug/l	100
68) o-Xylene	11.92	106	80187	20.600	ug/l	99
69) Styrene	11.94	104	136041	20.591	ug/l	100
70) Isopropylbenzene	12.22	105	213881	20.468	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	73271	21.696	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	95177	28.973	ug/l	61
73) Bromobenzene	12.50	156	50685	20.944	ug/l	98
74) n-propylbenzene	12.56	91	254410	20.482	ug/l	100
75) 2-Chlorotoluene	12.65	91	155858	20.841	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	180096	20.227	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	25114	20.441	ug/l	97
78) 4-Chlorotoluene	12.75	91	160115	20.982	ug/l	99
79) tert-butylbenzene	12.97	119	146503	19.871	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	177423	20.261	ug/l	100
81) sec-Butylbenzene	13.15	105	201759	20.377	ug/l	100
82) p-Isopropyltoluene	13.26	119	175657	20.104	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	89025	21.182	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	85458	20.606	ug/l	98
85) n-Butylbenzene	13.59	91	147252	19.646	ug/l	99
86) Hexachloroethane	13.85	117	33923	20.120	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	86553	21.416	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	14137	22.165	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	41435	20.594	ug/l	99
90) Hexachlorobutadiene	14.98	225	25566	22.911	ug/l	98
91) Naphthalene	15.10	128	110272	20.215	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	43412	21.409	ug/l	97

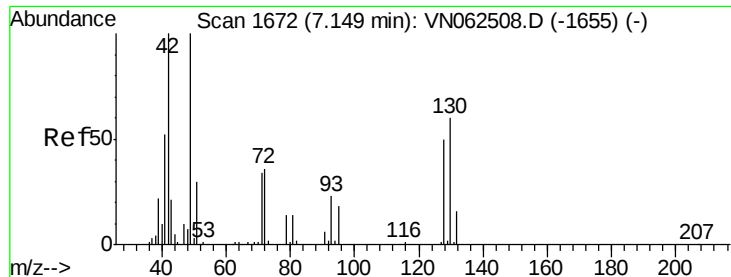
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

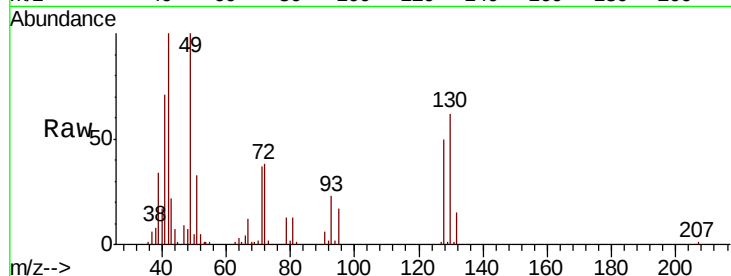
Tot Ion:128 Resp: 36082

Ion Ratio Lower Upper

128 100

49 207.9 0.0 525.0

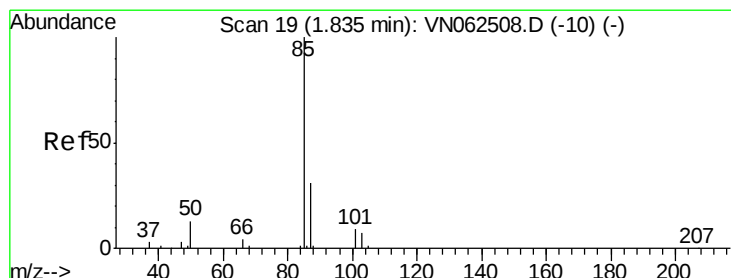
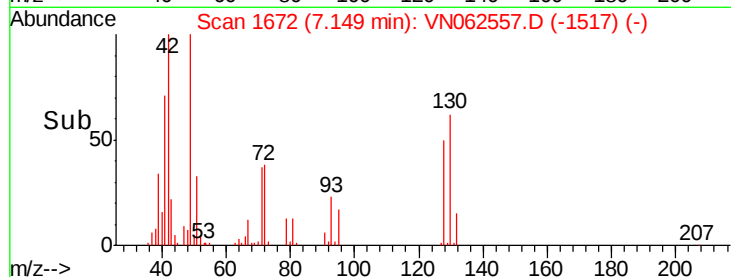
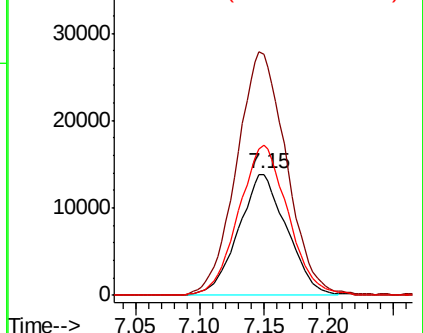
130 127.1 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.130 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN062557.D

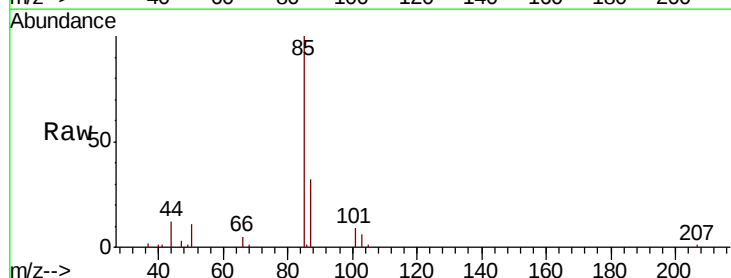
Acq: 20 Jul 2020 13:17

Tgt Ion: 85 Resp: 42871

Ion Ratio Lower Upper

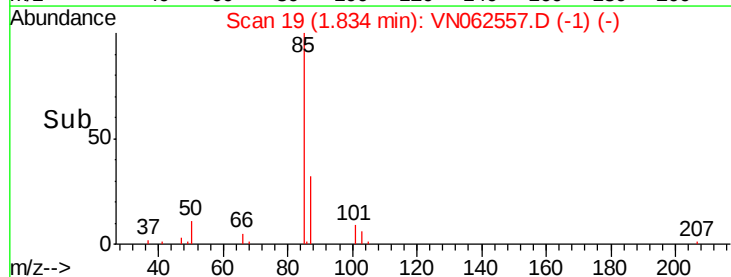
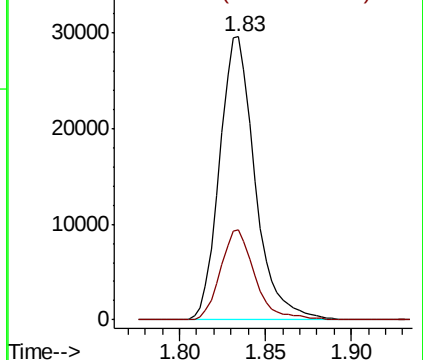
85 100

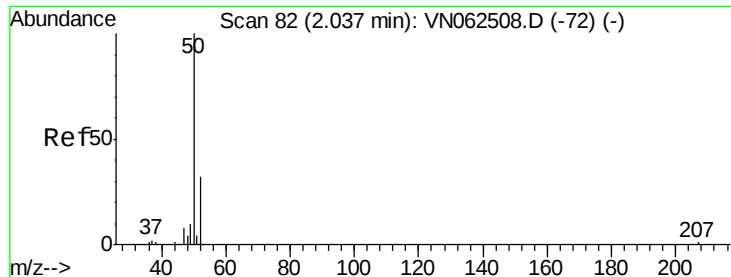
87 32.0 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.285 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

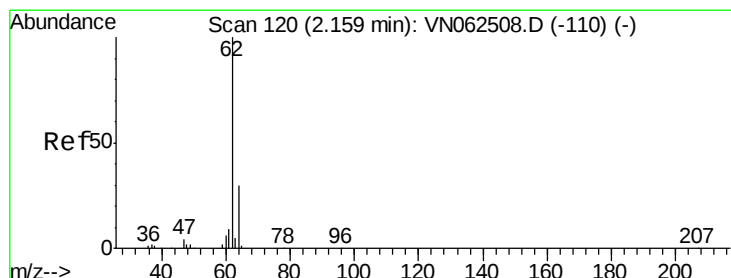
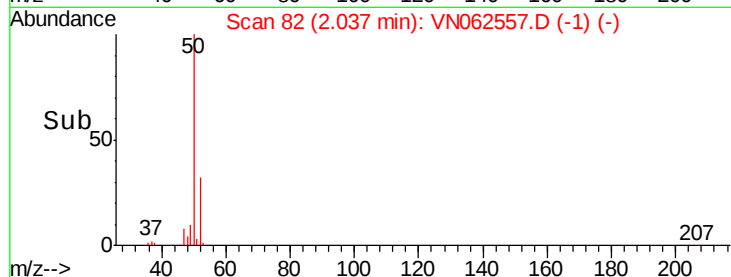
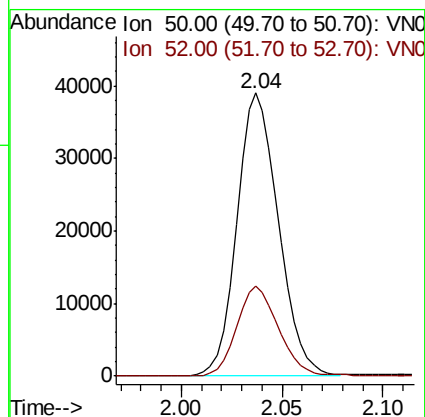
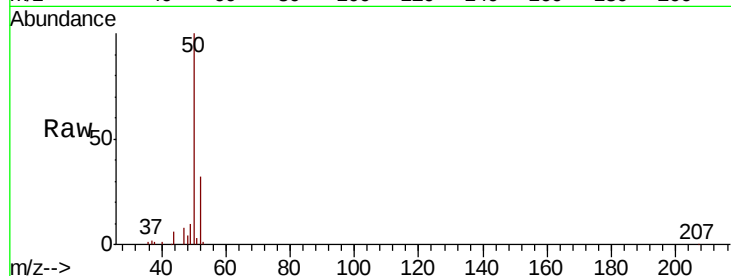
VN0720WBSD01

Tot Ion: 50 Resp: 56227

Ion Ratio Lower Upper

50 100

52 31.9 25.4 38.2



#4

Vinyl Chloride

Concen: 18.695 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062557.D

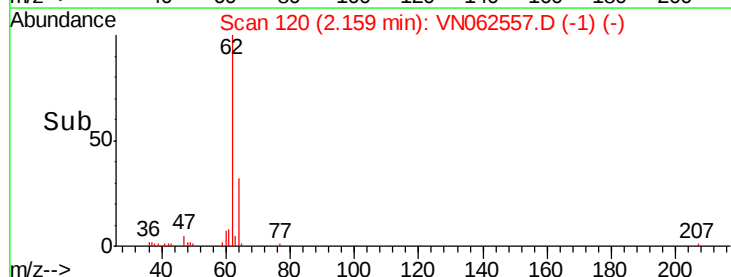
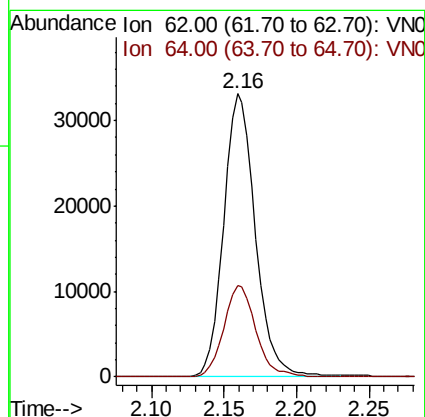
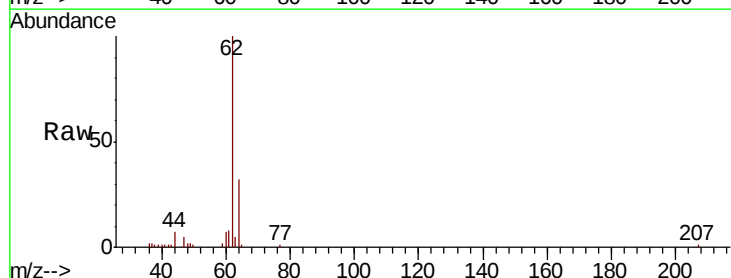
Acq: 20 Jul 2020 13:17

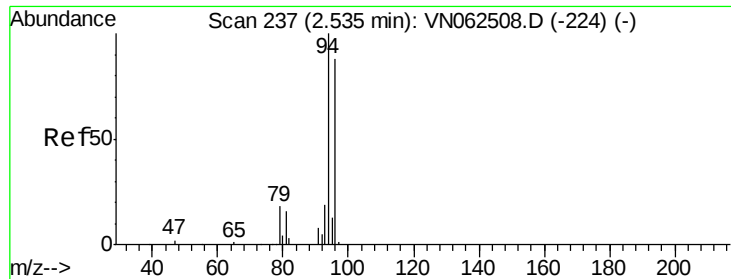
Tgt Ion: 62 Resp: 50253

Ion Ratio Lower Upper

62 100

64 32.1 24.3 36.5





#5

Bromomethane

Concen: 18.097 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampled :

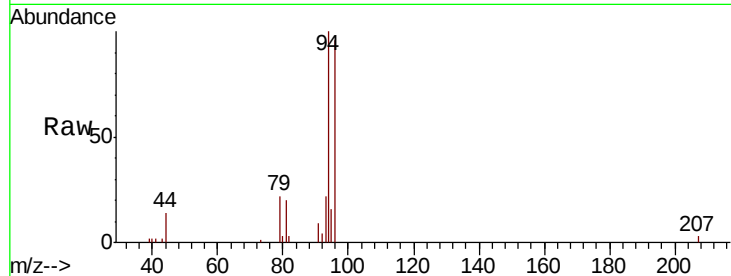
VN0720WBSD01

Tot Ion: 94 Resp: 24133

Ion Ratio Lower Upper

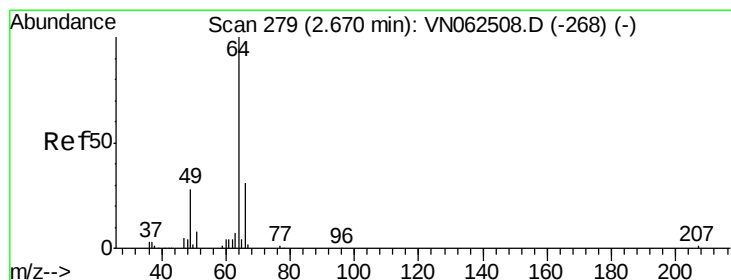
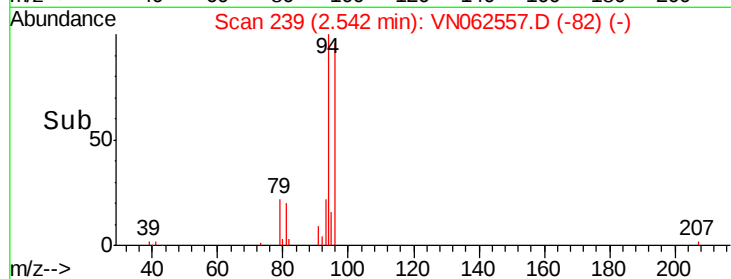
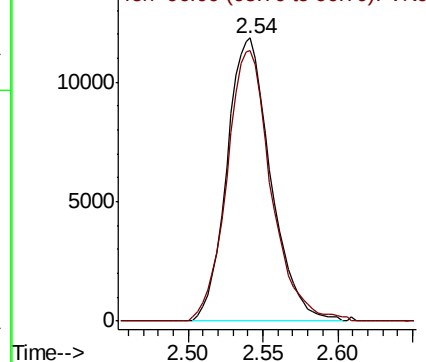
94 100

96 94.2 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.154 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN062557.D

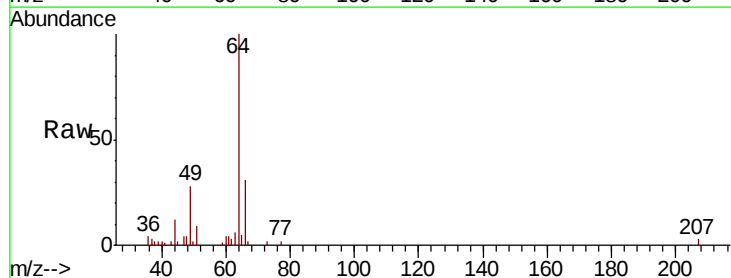
Acq: 20 Jul 2020 13:17

Tgt Ion: 64 Resp: 24023

Ion Ratio Lower Upper

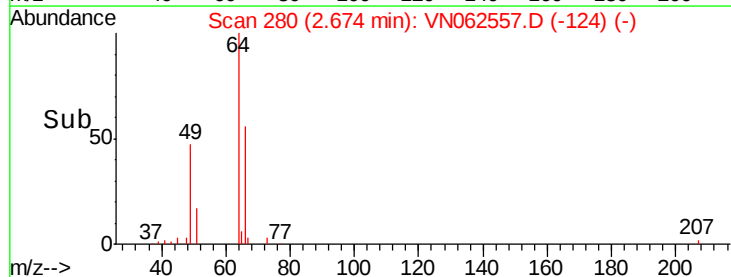
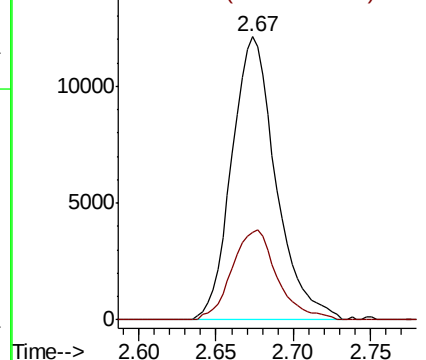
64 100

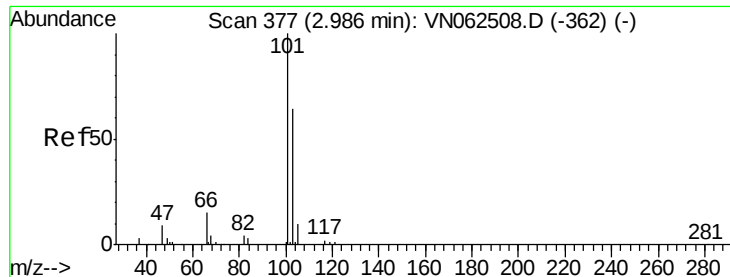
66 30.9 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



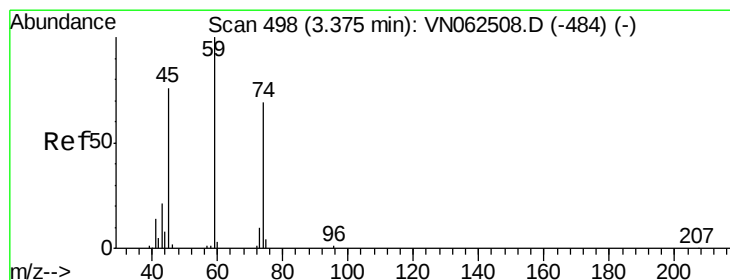
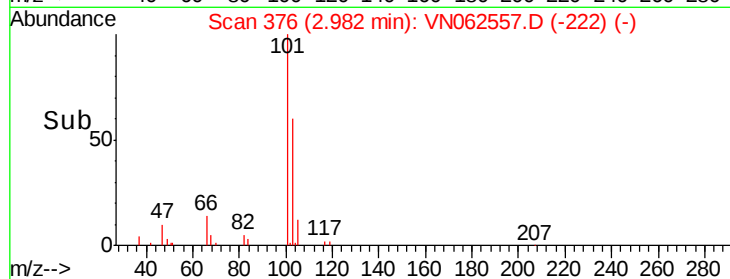
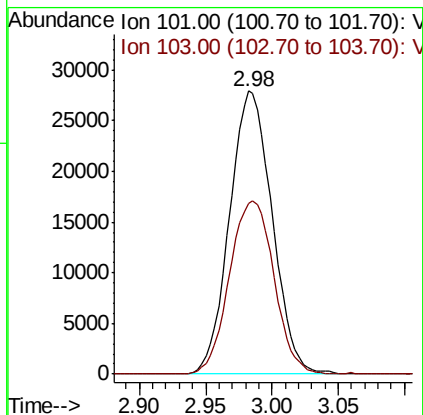
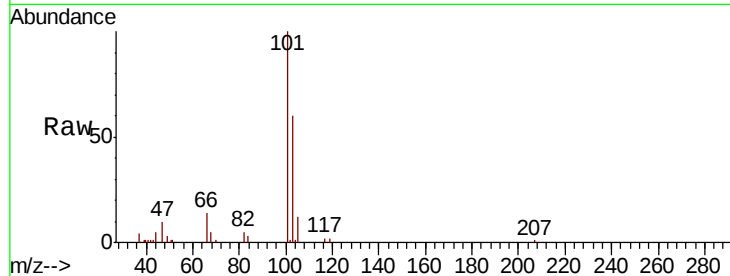


#7

Trichlorofluoromethane
 Concen: 19.808 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Instrument :
 MSVOA_N
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 VN0720WBSD01

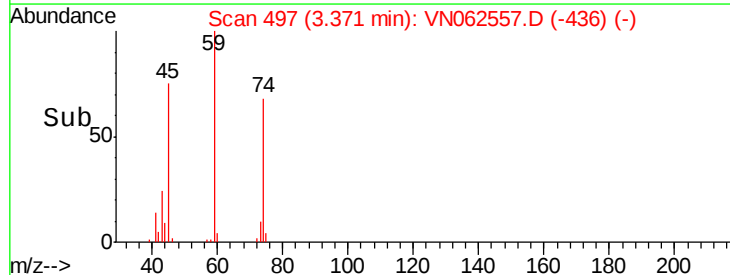
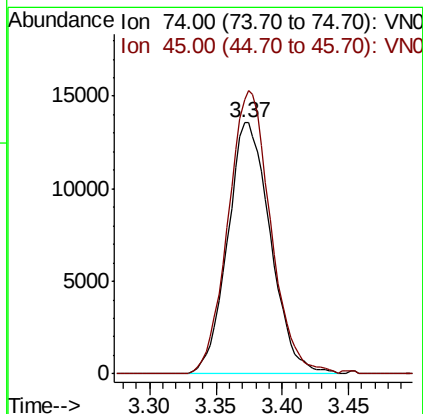
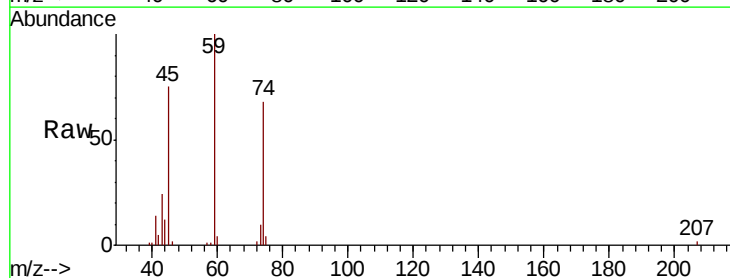
Tot Ion:101 Resp: 62405
 Ion Ratio Lower Upper
 101 100
 103 60.5 50.9 76.3

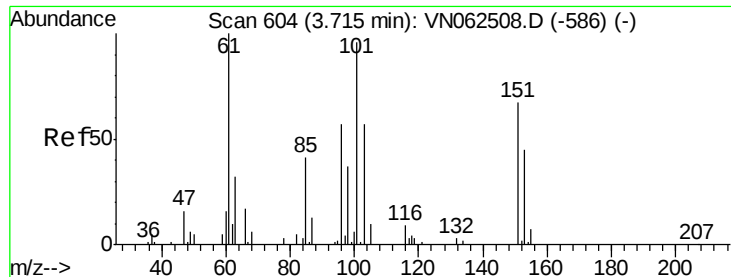


#8

Diethyl Ether
 Concen: 20.132 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion: 74 Resp: 30491
 Ion Ratio Lower Upper
 74 100
 45 112.0 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.201 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

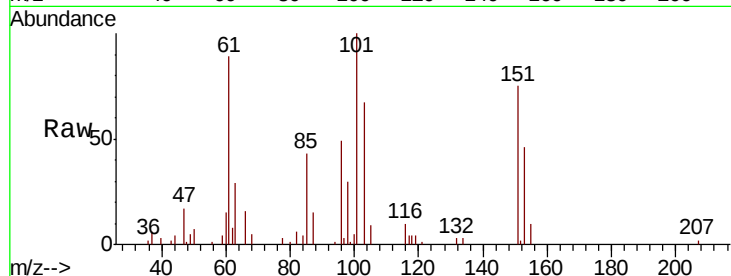
Tot Ion:101 Resp: 41144

Ion Ratio Lower Upper

101 100

85 46.4 0.0 90.4

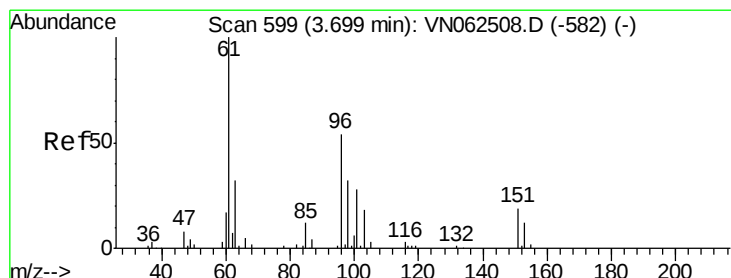
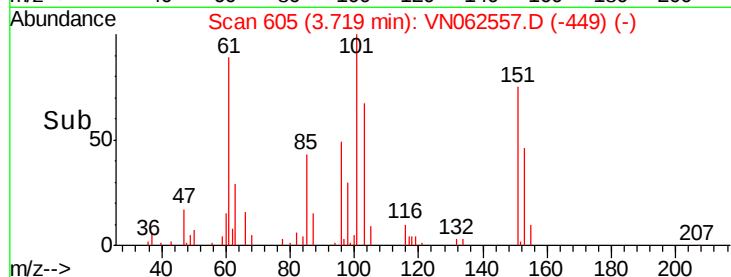
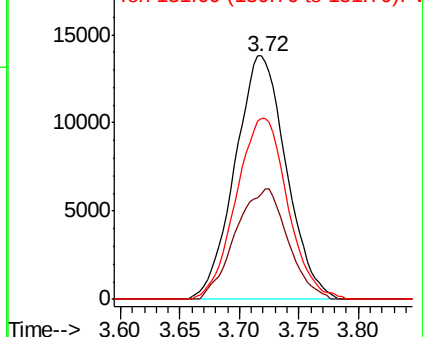
151 74.7 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.204 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

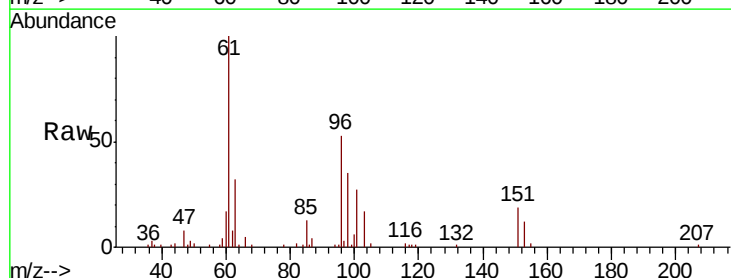
Tgt Ion: 96 Resp: 39902

Ion Ratio Lower Upper

96 100

61 186.5 147.8 221.8

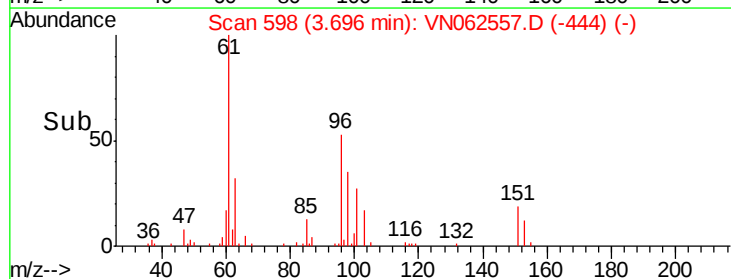
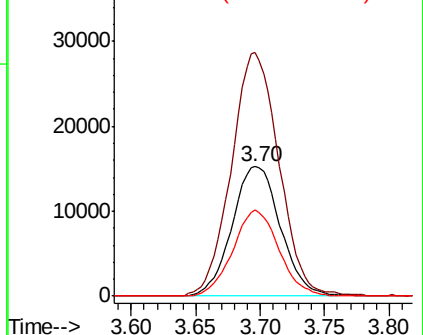
98 66.2 47.8 71.8

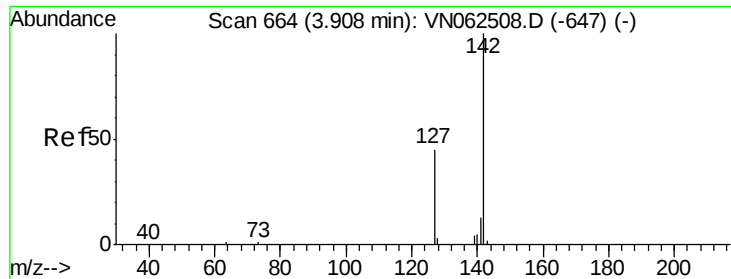


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

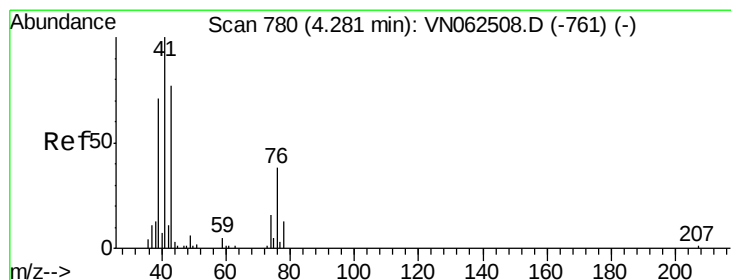
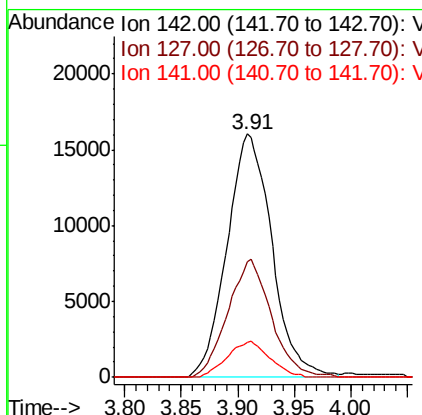
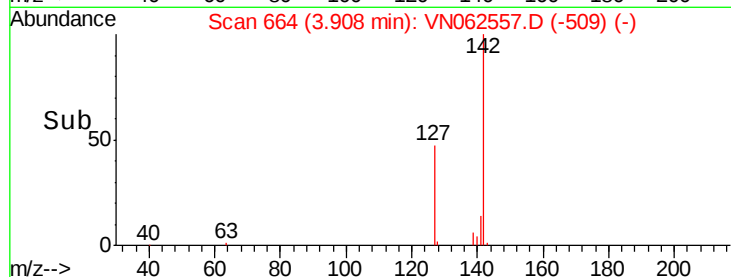
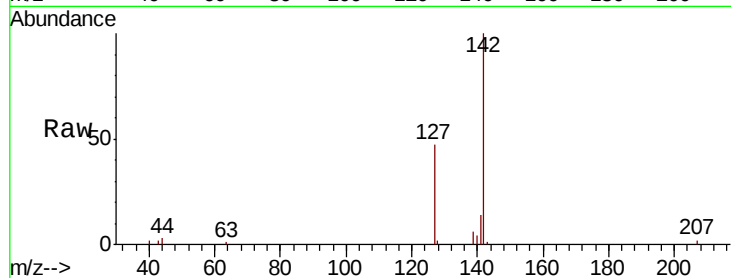




#11
Methvl Iodide
Concen: 17.417 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

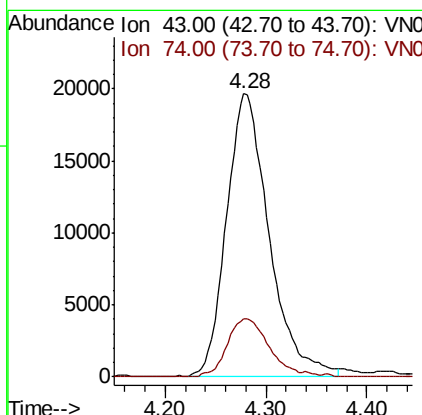
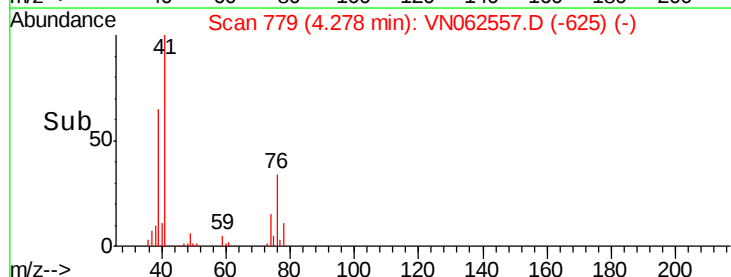
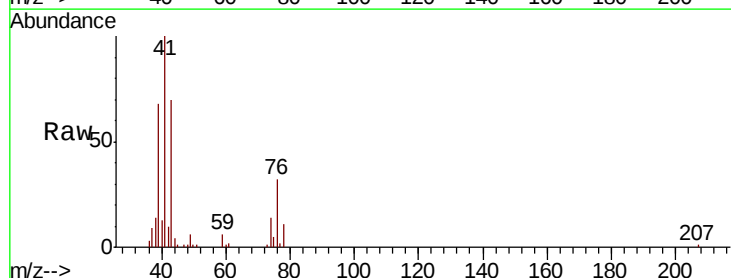
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

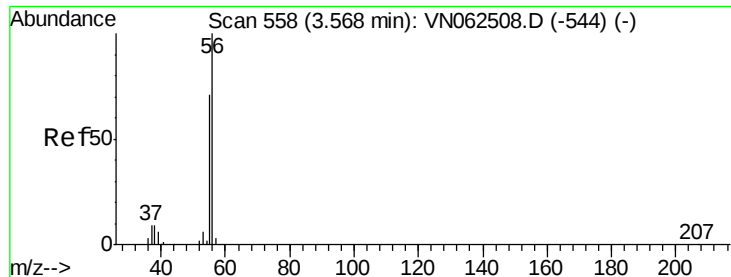
Tot Ion:142 Resp: 44318
Ion Ratio Lower Upper
142 100
127 47.6 22.1 66.5
141 14.5 6.5 19.4



#12
Methyl Acetate
Concen: 20.777 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 43 Resp: 57896
Ion Ratio Lower Upper
43 100
74 20.7 16.7 25.1





#13

Acrolein

Concen: 86.376 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

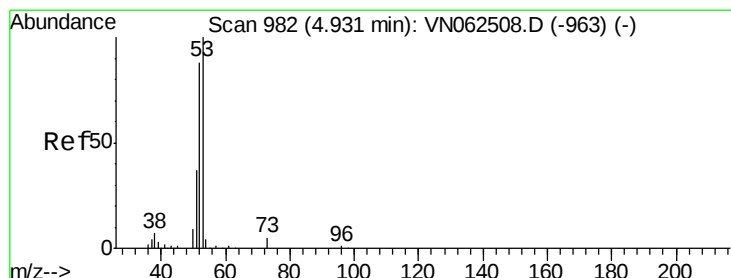
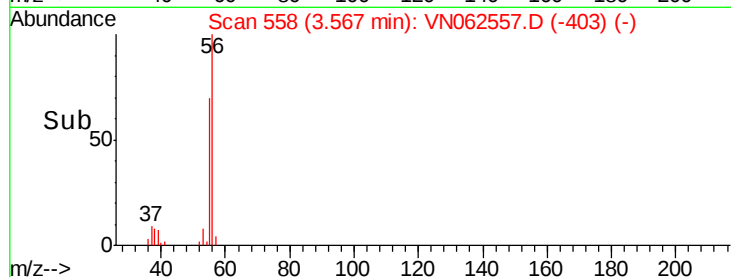
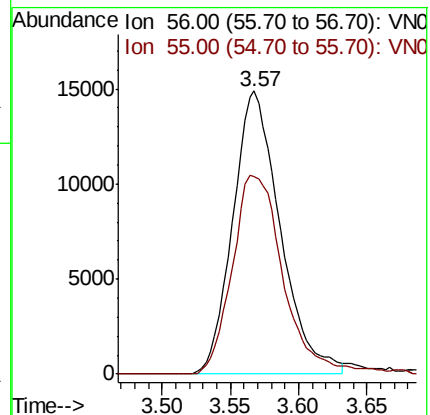
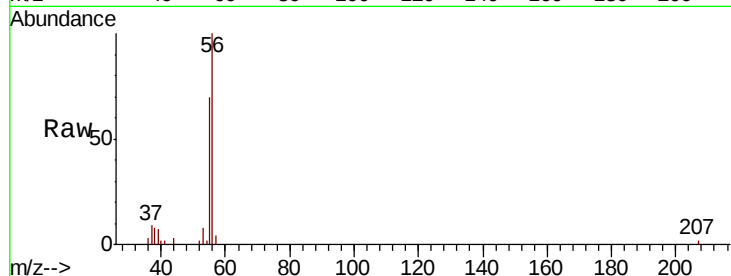
VN0720WBSD01

Tot Ion: 56 Resp: 35962

Ion Ratio Lower Upper

56 100

55 74.3 56.0 84.0



#14

Acrylonitrile

Concen: 101.768 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

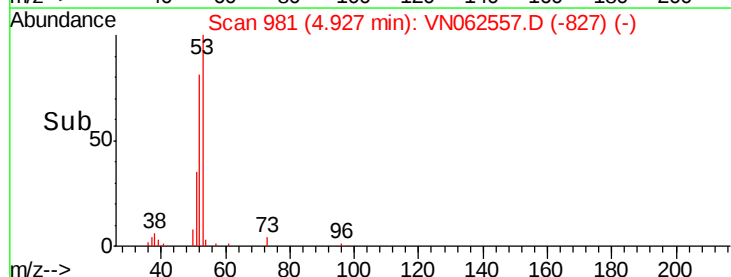
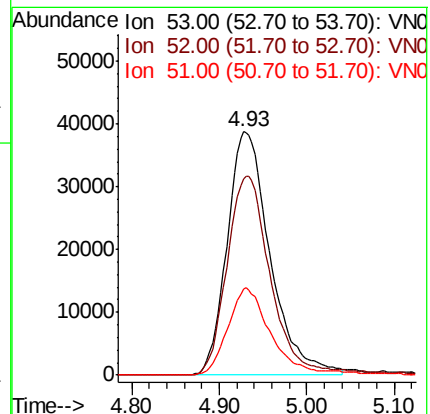
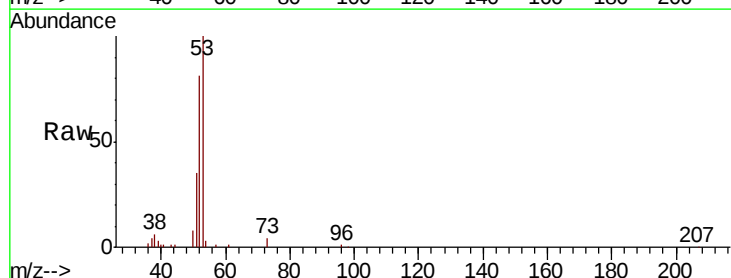
Tgt Ion: 53 Resp: 131892

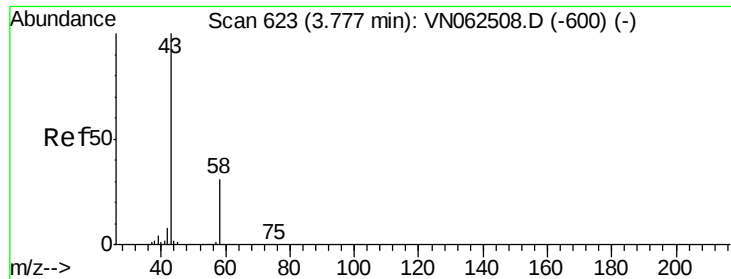
Ion Ratio Lower Upper

53 100

52 81.9 41.8 125.4

51 35.0 18.5 55.5





#15

Acetone

Concen: 87.987 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

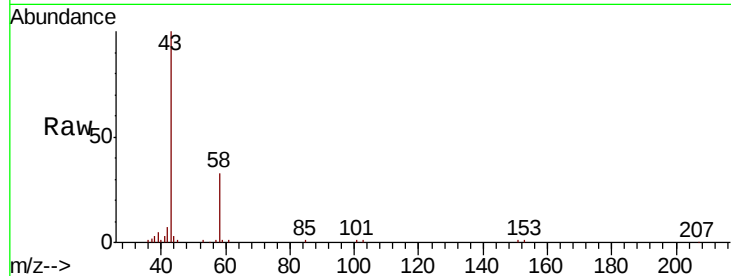
VN0720WBSD01

Tot Ion: 58 Resp: 35005

Ion Ratio Lower Upper

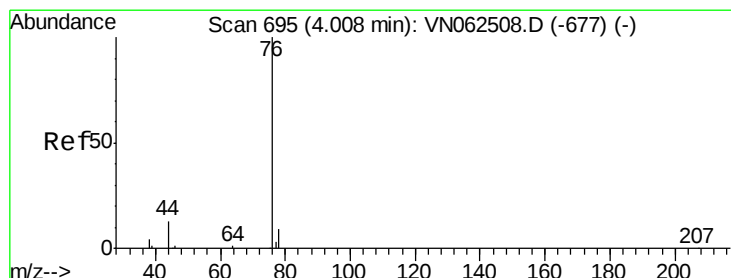
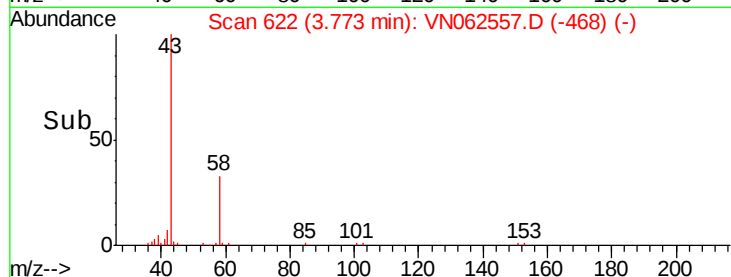
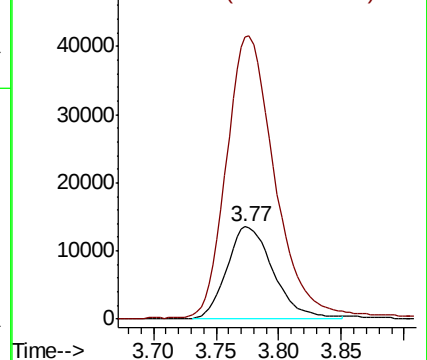
58 100

43 301.3 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.561 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062557.D

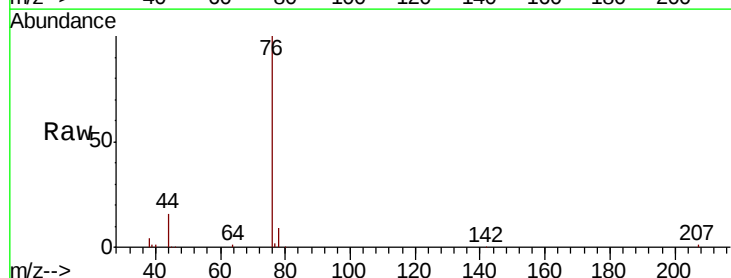
Acq: 20 Jul 2020 13:17

Tgt Ion: 76 Resp: 125676

Ion Ratio Lower Upper

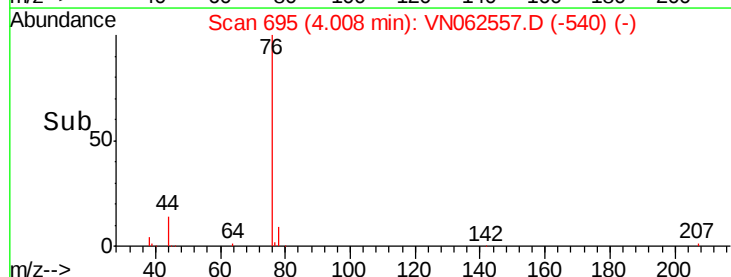
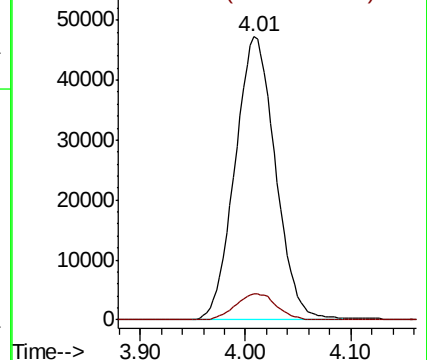
76 100

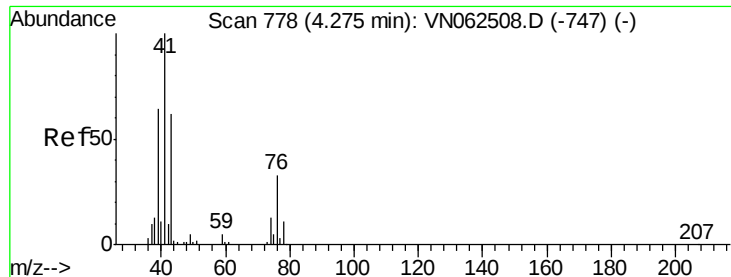
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

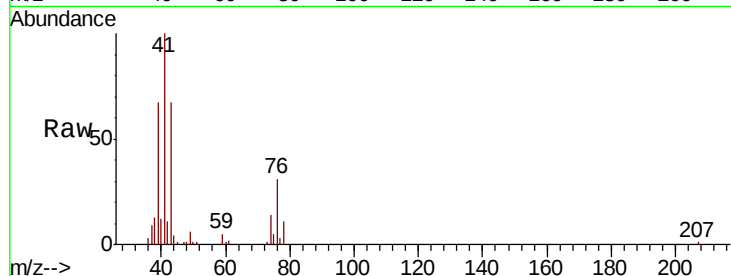




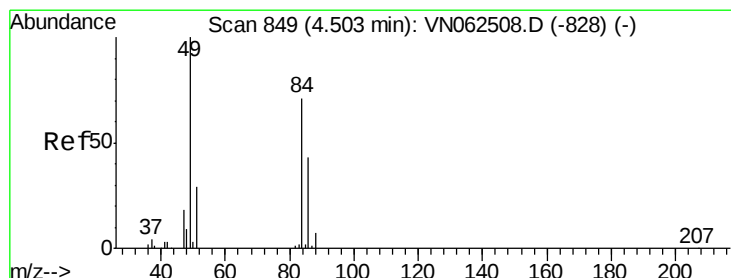
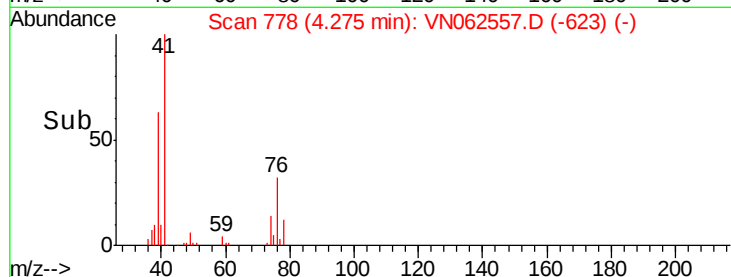
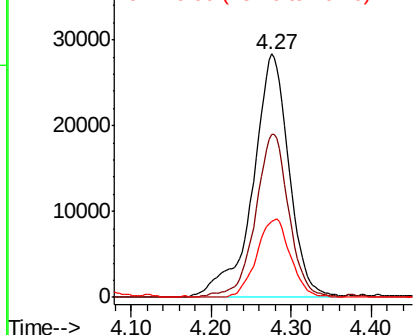
#17
Allvl chloride
Concen: 19.977 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion: 41 Resp: 88278
Ion Ratio Lower Upper
41 100
39 67.1 31.9 95.5
76 31.0 16.6 49.8

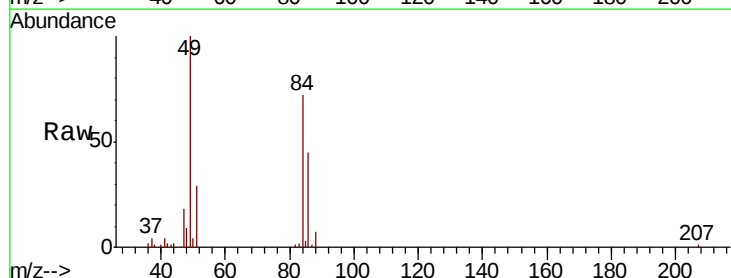


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

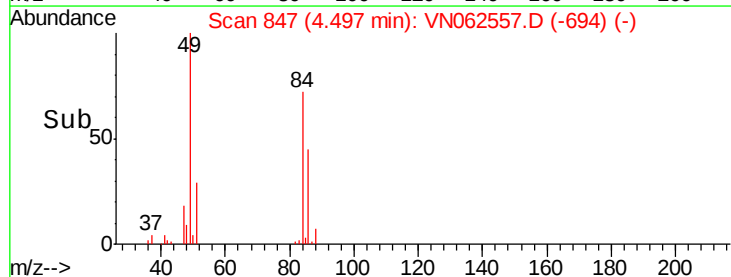
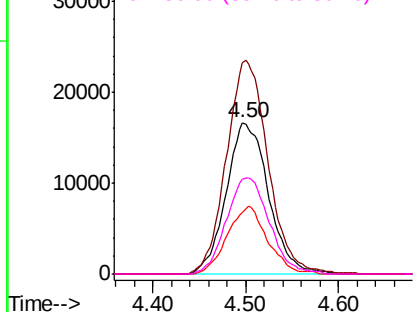


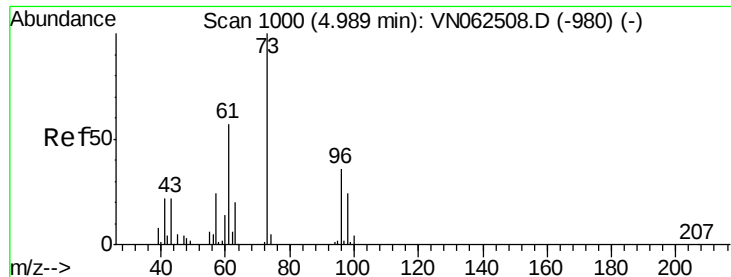
#18
Methylene Chloride
Concen: 20.621 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 84 Resp: 52720
Ion Ratio Lower Upper
84 100
49 139.3 112.1 168.1
51 40.8 33.0 49.4
86 62.9 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

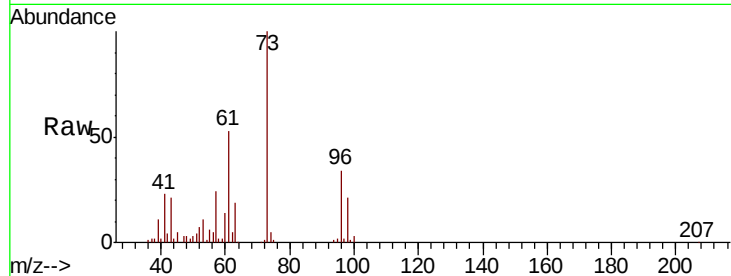




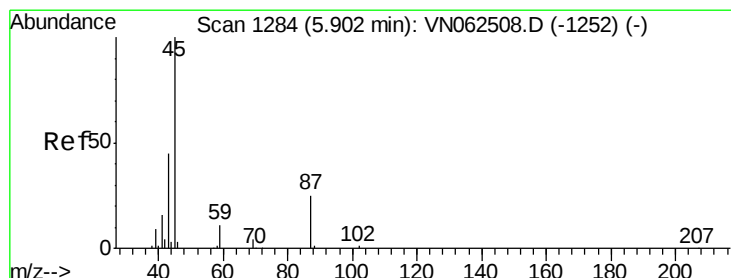
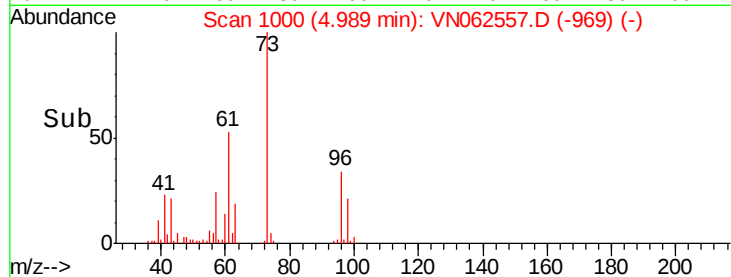
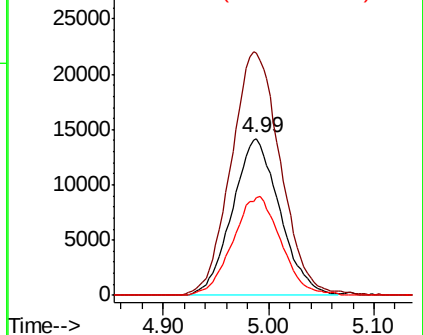
#19
trans-1,2-Dichloroethene
Concen: 19.315 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion: 96 Resp: 44419
Ion Ratio Lower Upper
96 100
61 152.2 125.7 188.5
98 62.2 54.1 81.1

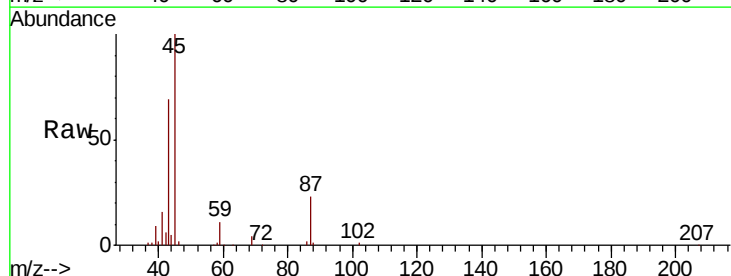


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

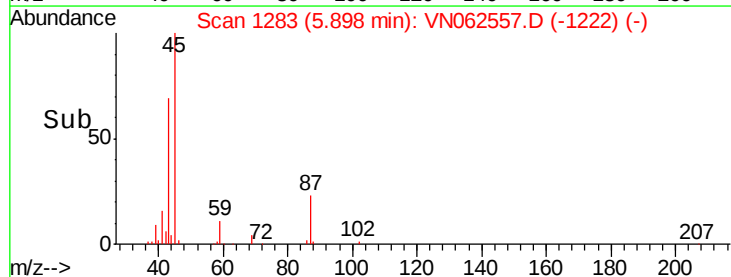
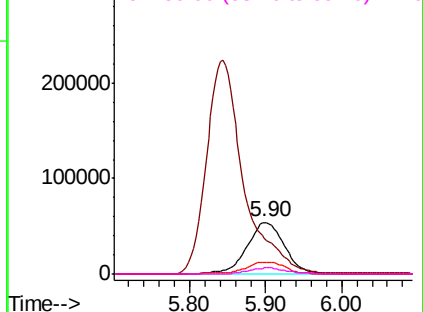


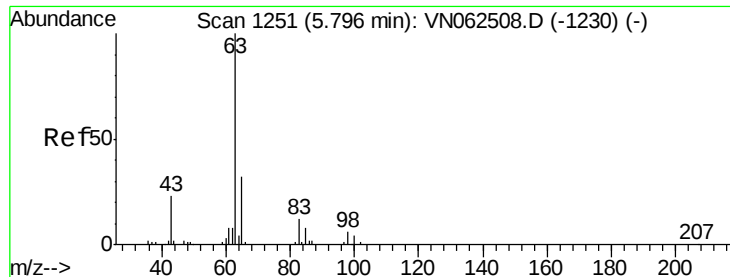
#20
Diisopropyl ether
Concen: 20.426 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 45 Resp: 185549
Ion Ratio Lower Upper
45 100
43 65.8 51.3 76.9
87 23.3 19.8 29.6
59 10.9 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.891 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

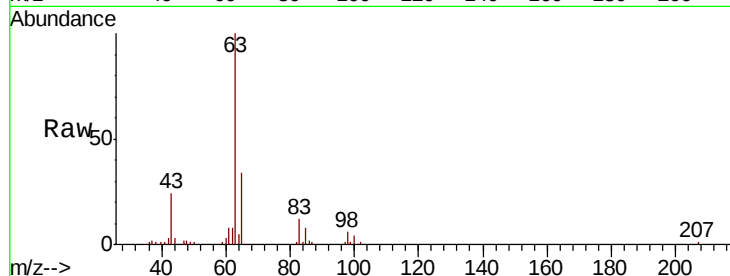
Tot Ion: 63 Resp: 95531

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

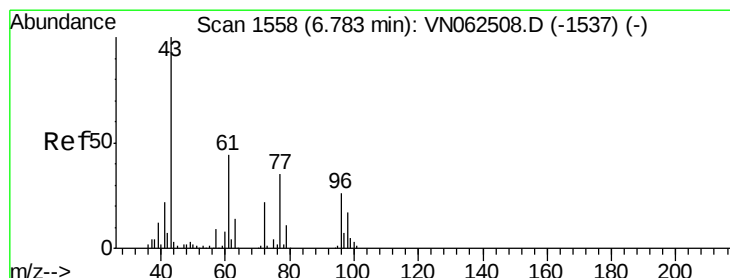
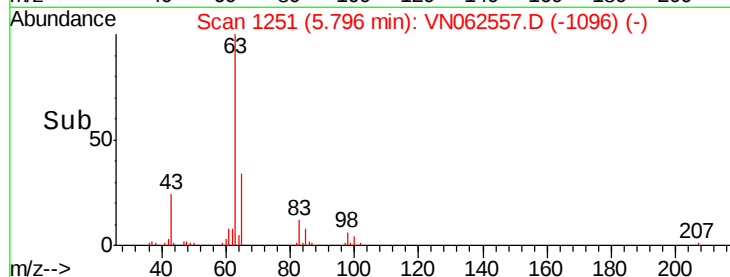
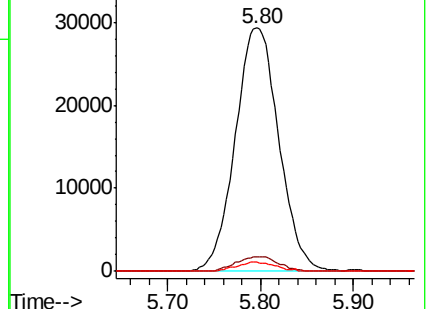
100 3.9 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN062557.D (-1096) (-)

Ion 98.00 (97.70 to 98.70): VN062557.D (-1096) (-)

Ion 100.00 (99.70 to 100.70): VN062557.D (-1096) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.649 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

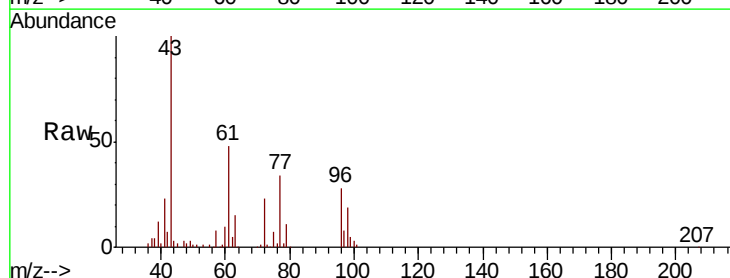
Tgt Ion: 96 Resp: 50958

Ion Ratio Lower Upper

96 100

61 172.1 134.9 202.3

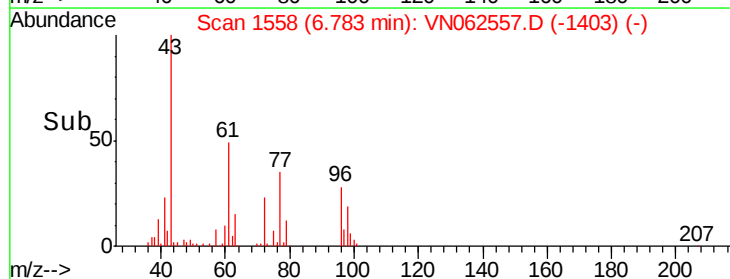
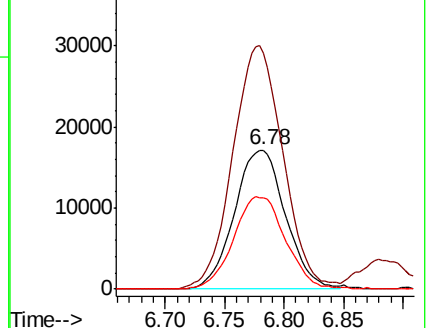
98 67.4 51.5 77.3

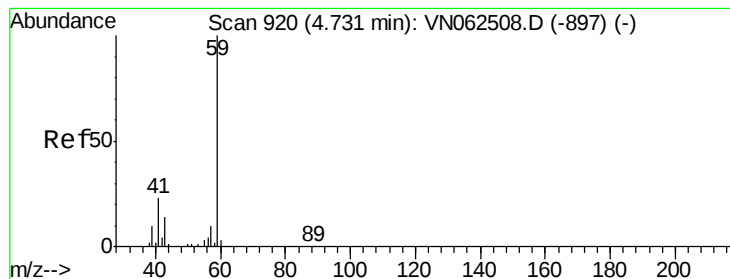


Abundance Ion 96.00 (95.70 to 96.70): VN062557.D (-1403) (-)

Ion 61.00 (60.70 to 61.70): VN062557.D (-1403) (-)

Ion 98.00 (97.70 to 98.70): VN062557.D (-1403) (-)





#23

tert-Butyl Alcohol

Concen: 106.808 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampled :

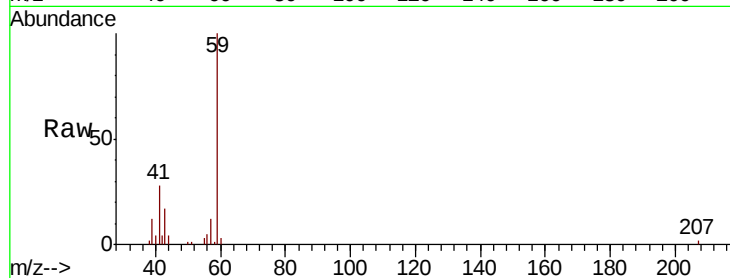
VN0720WBSD01

Tot Ion: 59 Resp: 46325

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

15000

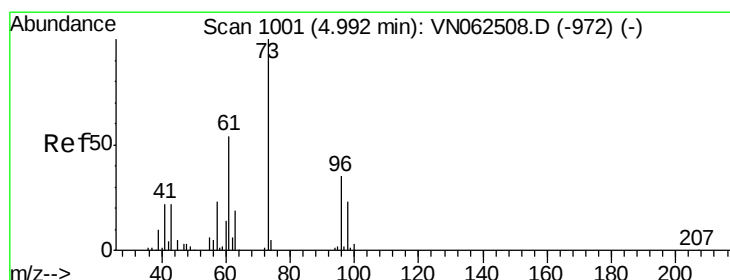
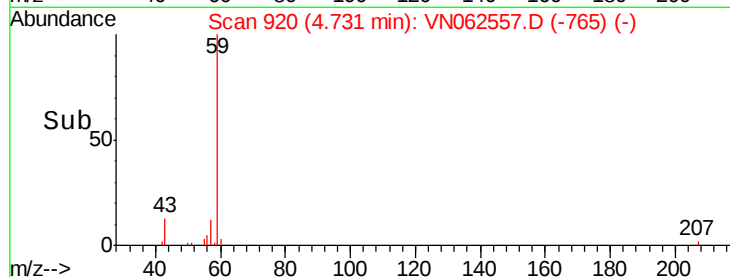
4.73

10000

5000

0

Time--> 4.60 4.70 4.80



#24

Methyl tert-Butyl Ether

Concen: 20.623 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN062557.D

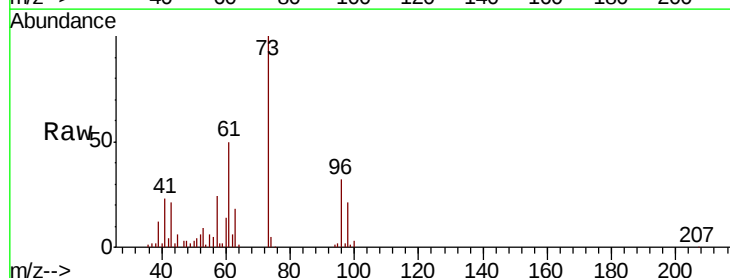
Acq: 20 Jul 2020 13:17

Tgt Ion: 73 Resp: 157979

Ion Ratio Lower Upper

73 100

43 20.8 16.9 25.3



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

50000

4.99

40000

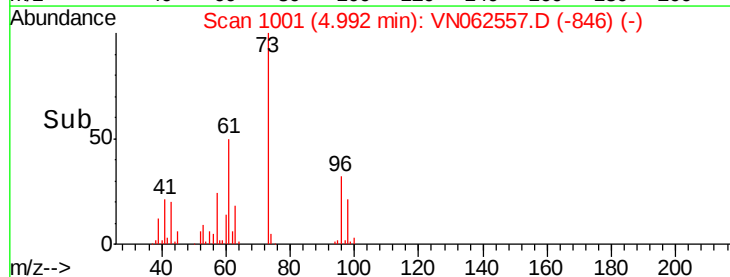
30000

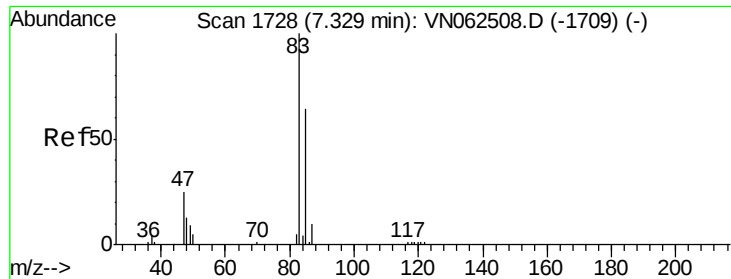
20000

10000

0

Time--> 4.90 5.00 5.10





#25

Chloroform

Concen: 20.523 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

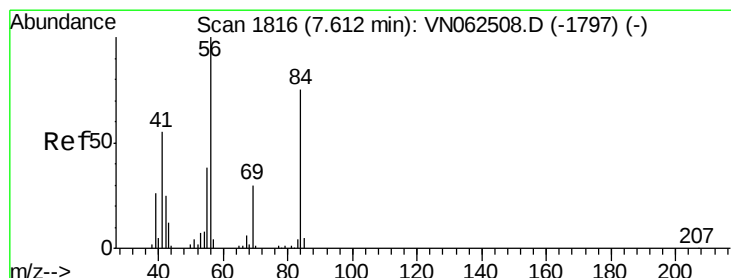
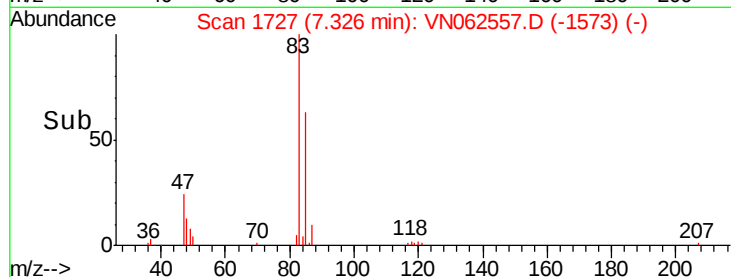
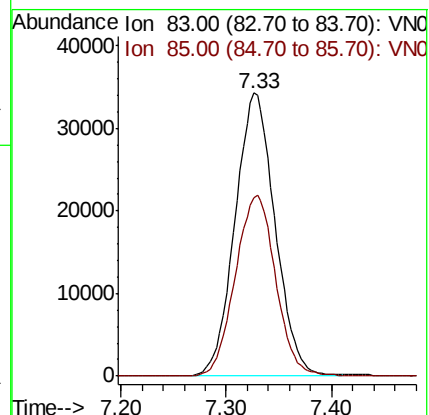
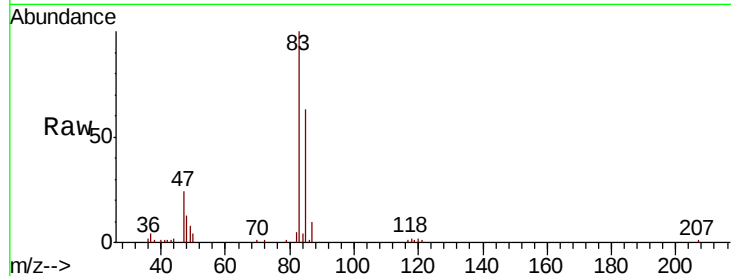
VN0720WBSD01

Tot Ion: 83 Resp: 90392

Ion Ratio Lower Upper

83 100

85 63.1 51.0 76.4



#26

Cyclohexane

Concen: 18.637 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

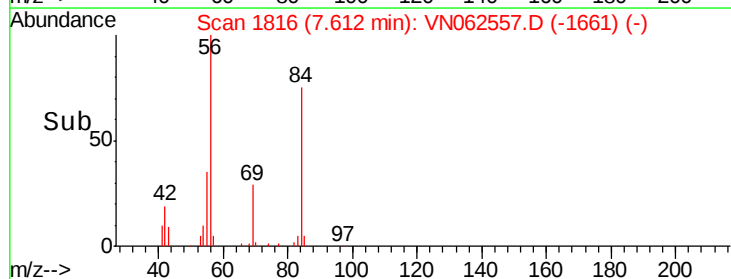
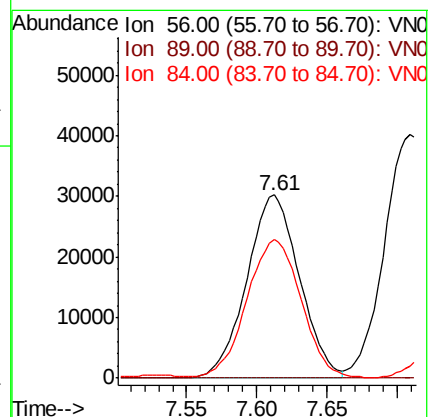
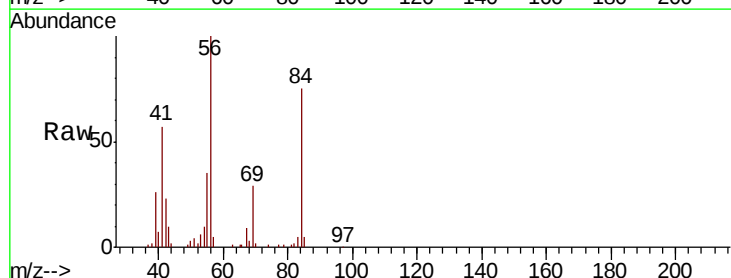
Tgt Ion: 56 Resp: 78892

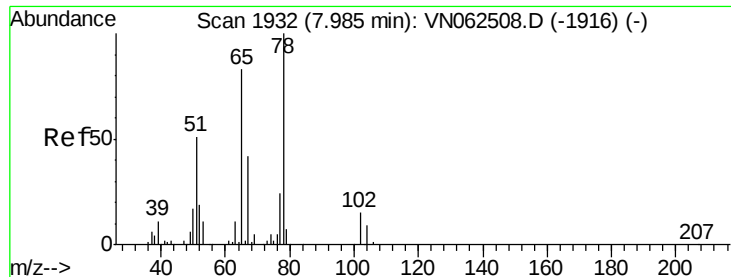
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 78.0 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 30.096 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

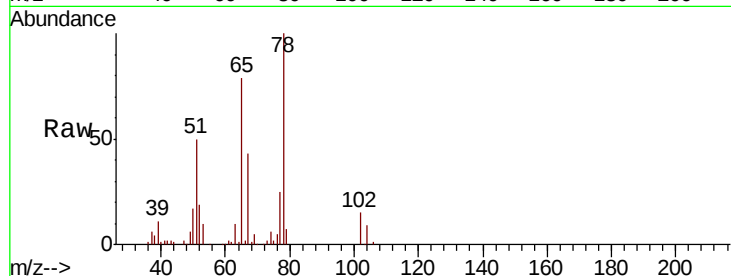
VN0720WBSD01

Tot Ion: 65 Resp: 93287

Ion Ratio Lower Upper

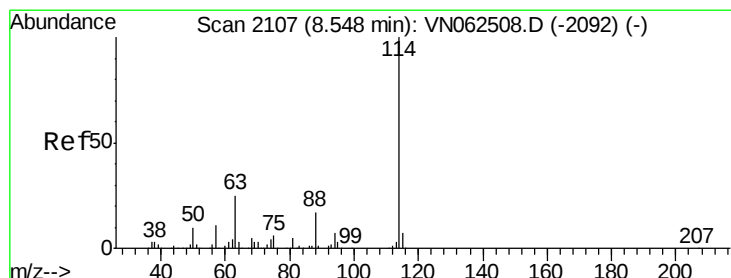
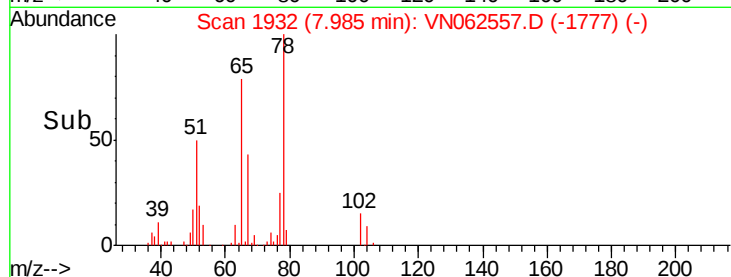
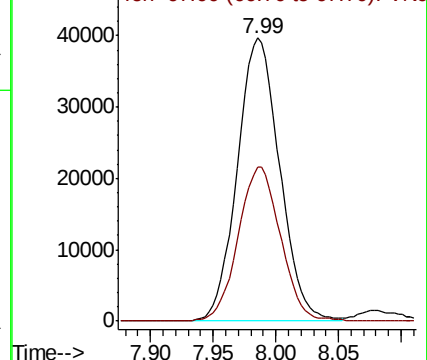
65 100

67 54.4 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

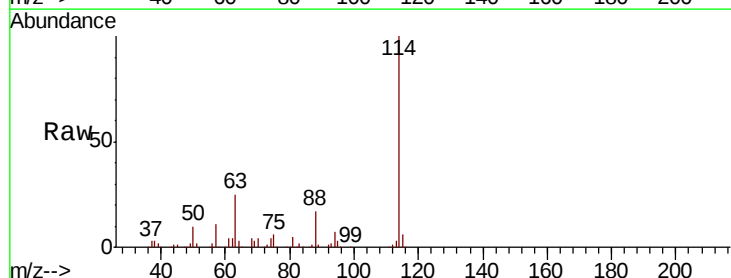
Tgt Ion: 114 Resp: 191526

Ion Ratio Lower Upper

114 100

63 24.0 19.4 29.0

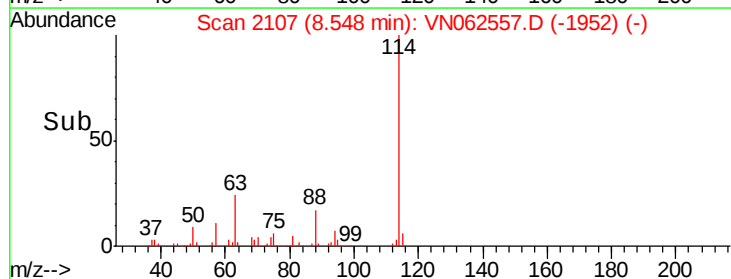
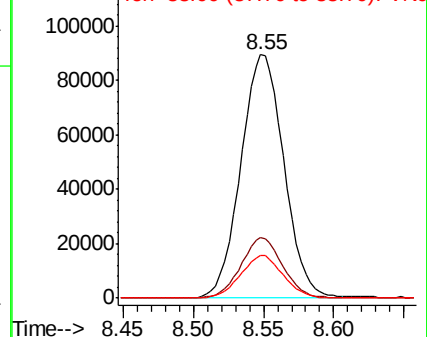
88 17.3 13.5 20.3

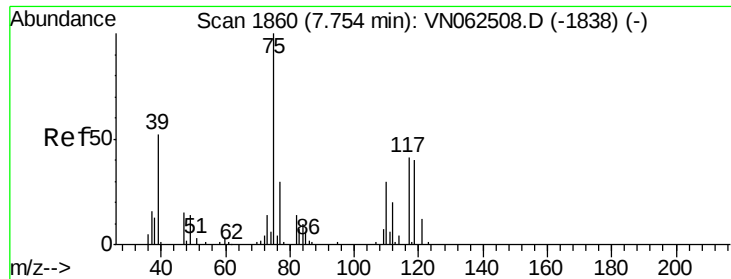


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

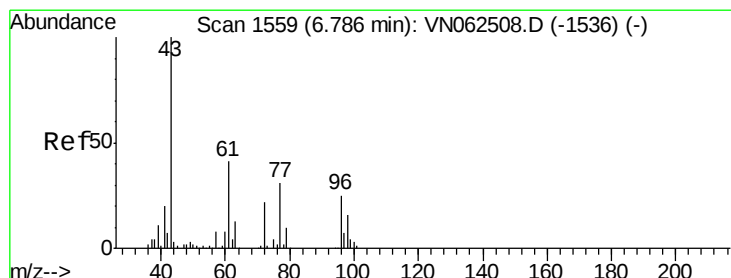
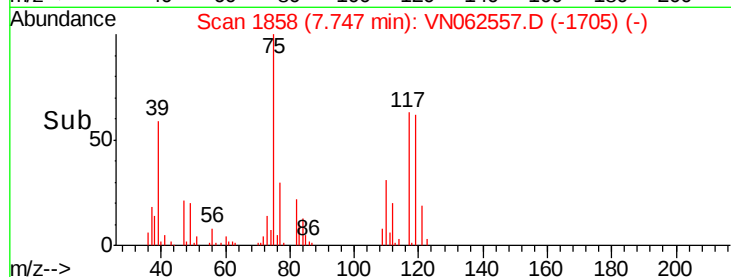
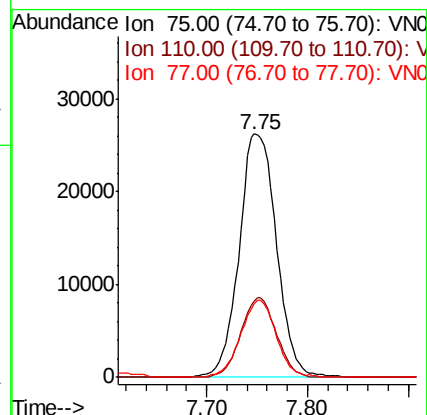
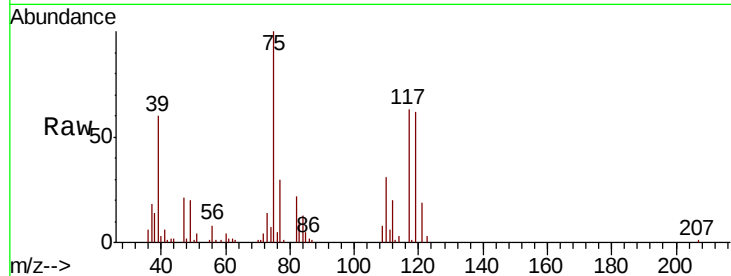




#29
 1,1-Dichloropropene
 Concen: 20.759 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

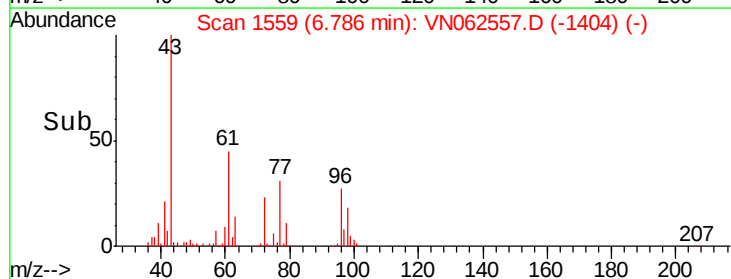
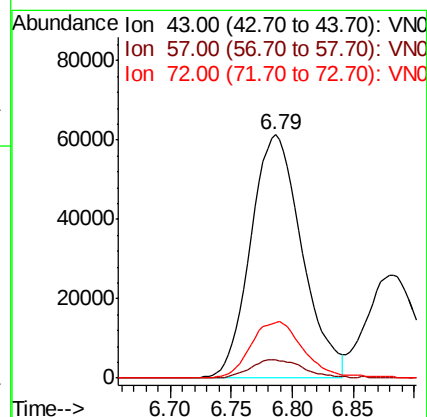
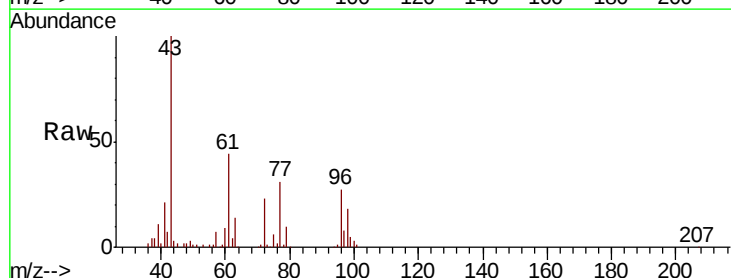
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

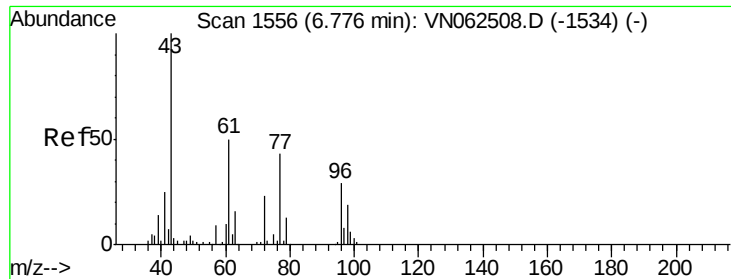
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.0	0.0	62.4
77	30.0	0.0	62.8



#30
 2-Butanone
 Concen: 103.943 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.6	9.8
72	23.5	18.5	27.7

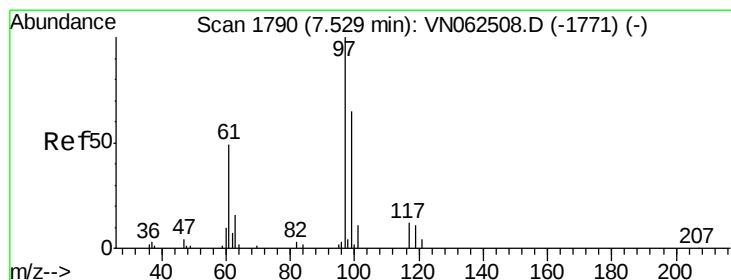
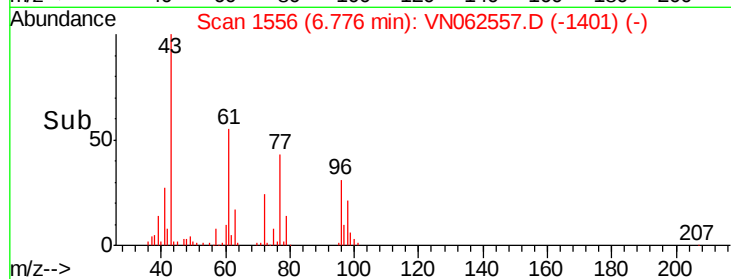
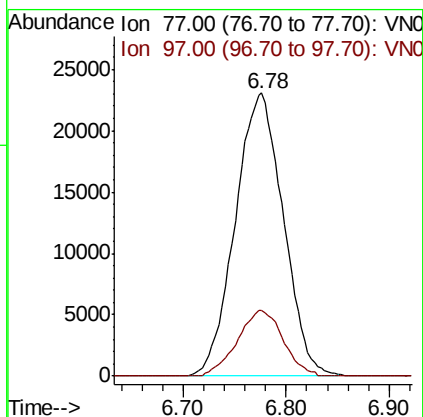
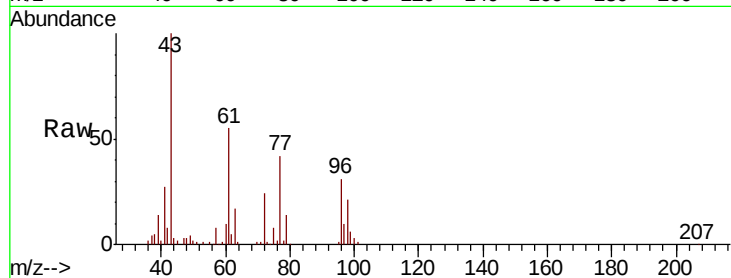




#31
 2,2-Dichloropropane
 Concen: 20.342 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

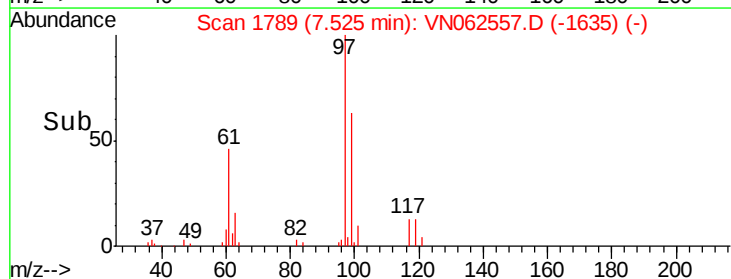
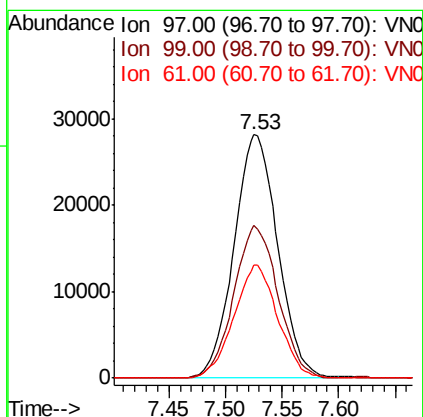
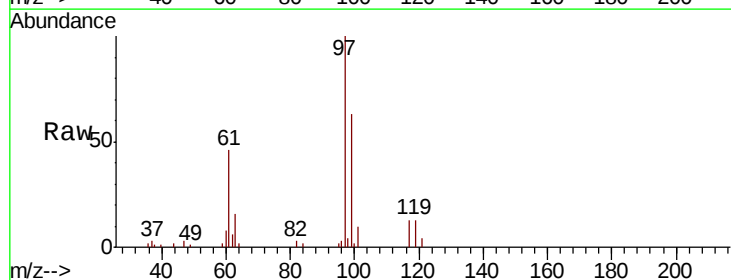
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

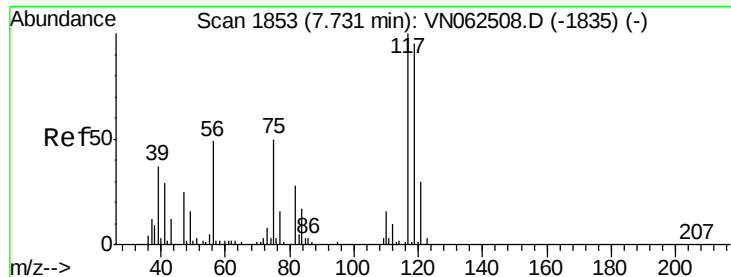
Tot Ion: 77 Resp: 74516
 Ion Ratio Lower Upper
 77 100
 97 22.1 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 21.678 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion: 97 Resp: 75693
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.8 77.8
 61 46.5 39.4 59.0

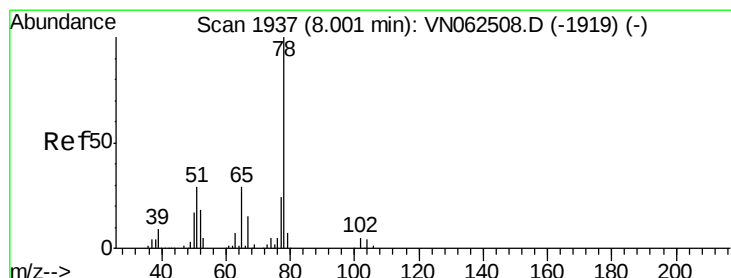
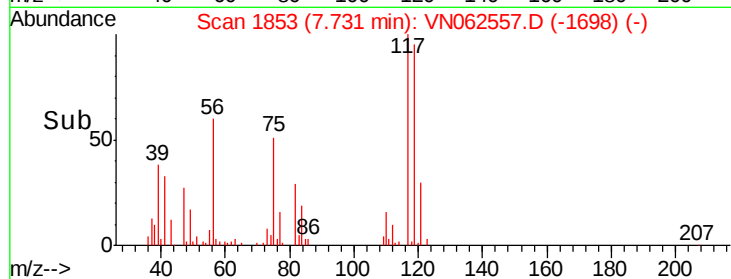
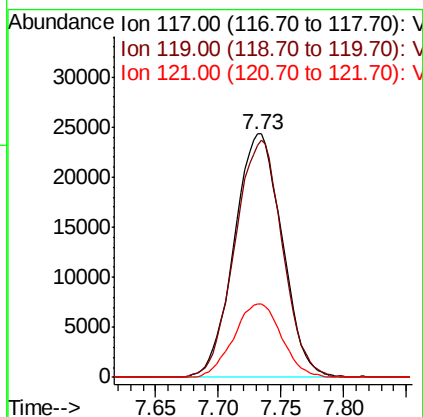
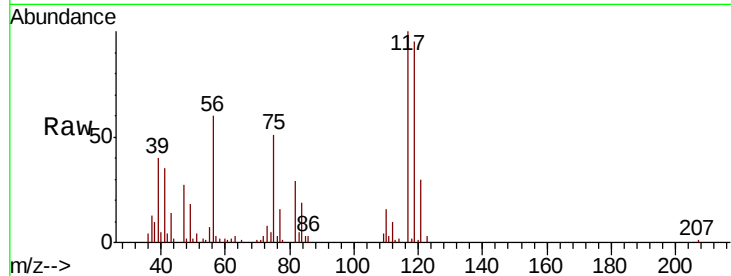




#33
Carbon Tetrachloride
Concen: 21.316 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

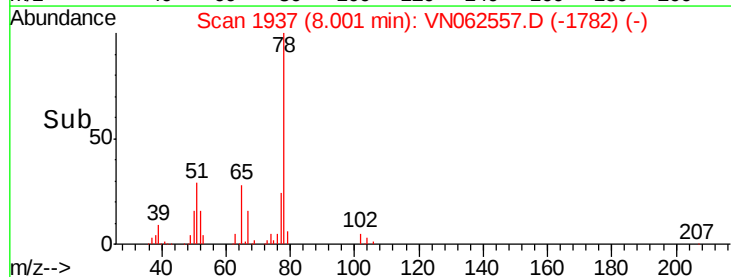
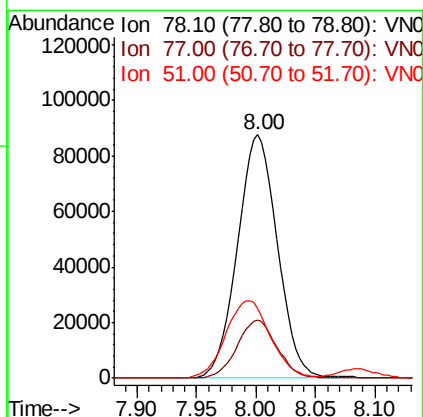
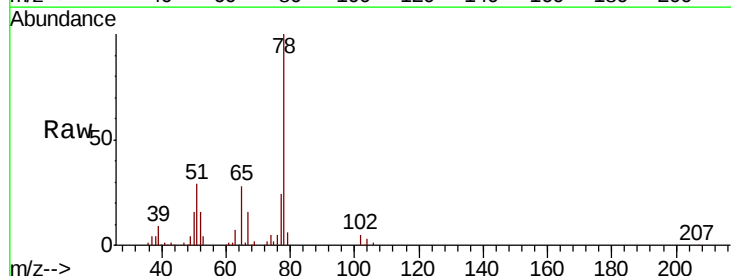
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

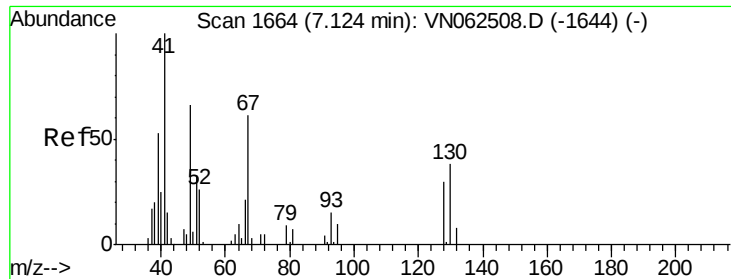
Tot Ion:117 Resp: 64520
Ion Ratio Lower Upper
117 100
119 94.4 76.2 114.4
121 30.3 23.8 35.6



#34
Benzene
Concen: 21.107 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 78 Resp: 203723
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3
51 28.4 23.1 34.7

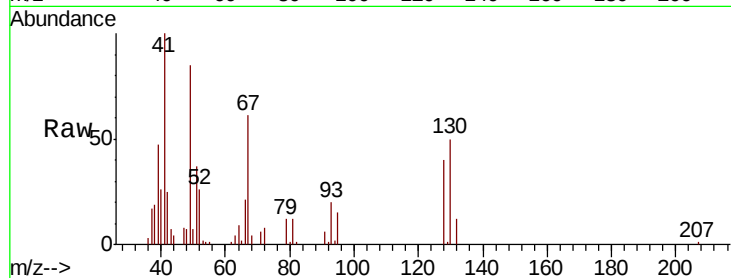




#35
Methacrylonitrile
Concen: 21.953 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion:	41	Resp:	33225
Ion	Ratio	Lower	Upper
41	100		
39	46.9	26.5	79.5
67	60.7	30.7	92.1
52	26.4	13.0	39.0



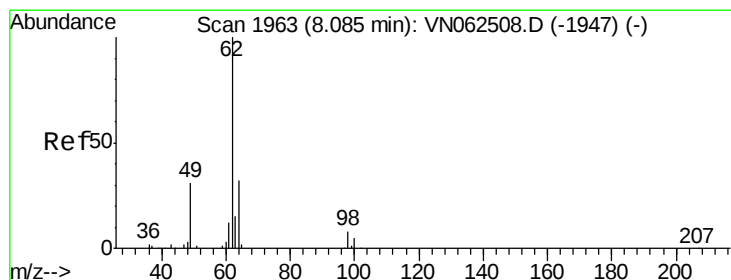
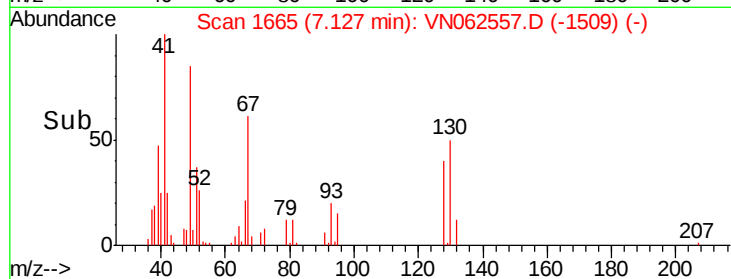
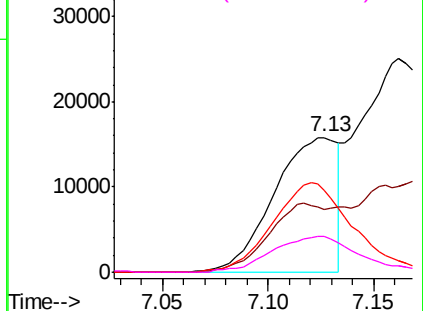
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

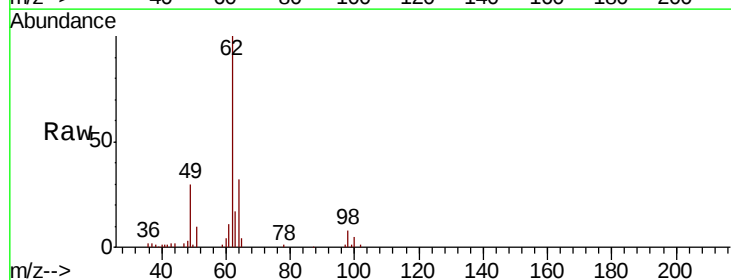
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 22.681 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

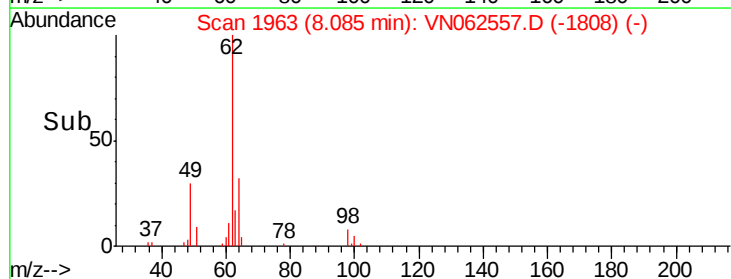
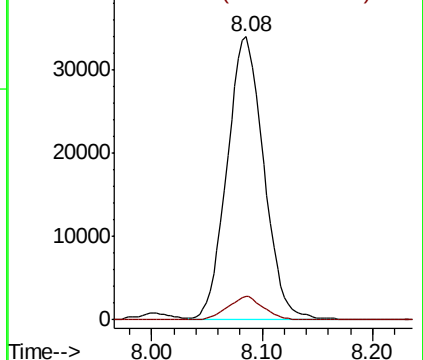
Tgt Ion:	62	Resp:	78681
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.6	9.8

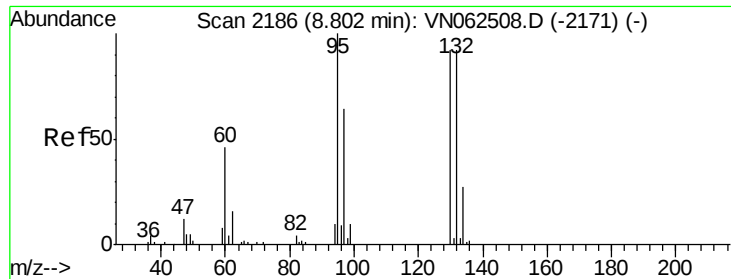


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

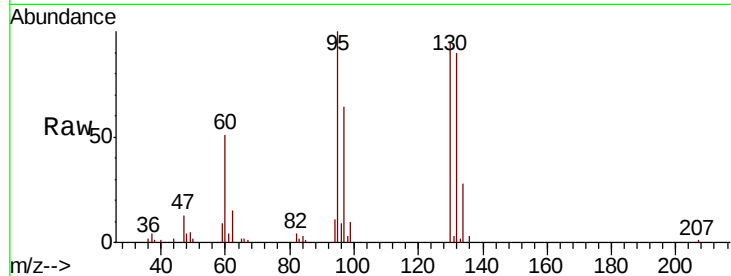




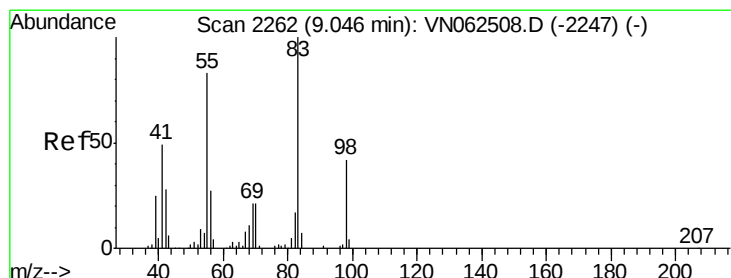
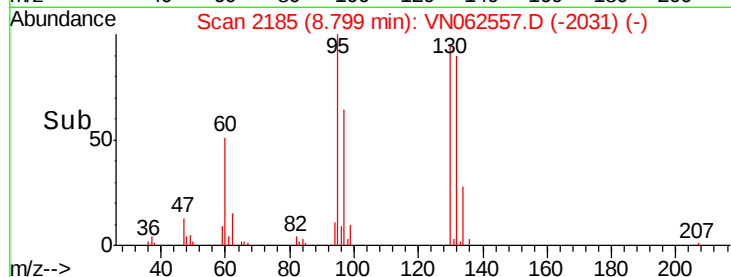
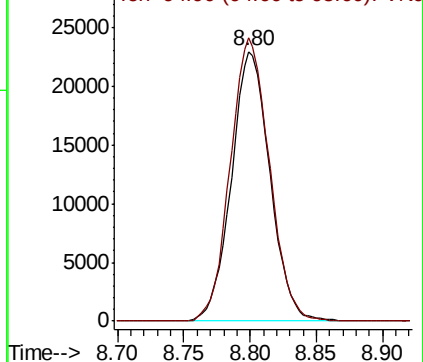
#37
 Trichloroethene
 Concen: 21.441 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Tot Ion:130 Resp: 46483
 Ion Ratio Lower Upper
 130 100
 95 104.9 86.5 129.7

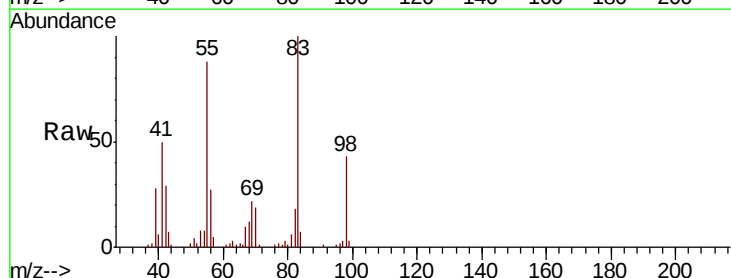


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

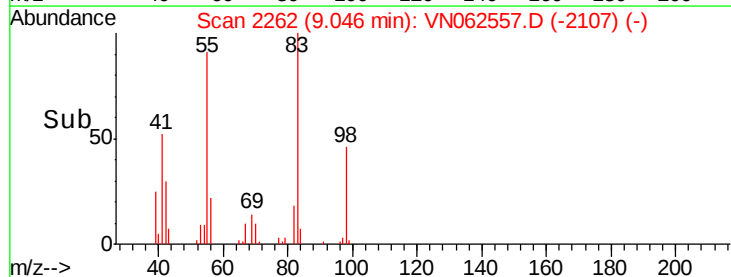
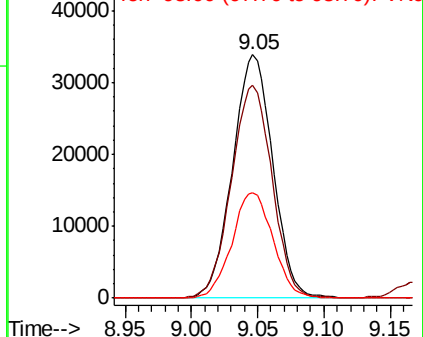


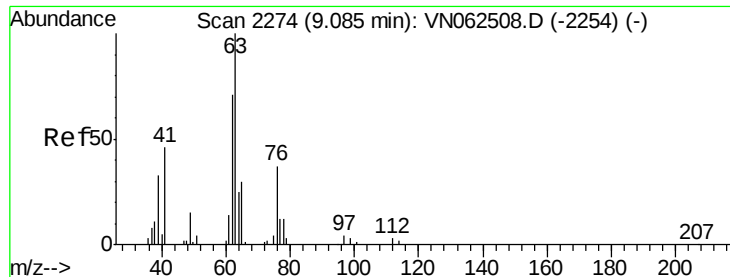
#38
 Methylcyclohexane
 Concen: 19.620 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion: 83 Resp: 71503
 Ion Ratio Lower Upper
 83 100
 55 88.4 42.8 128.3
 98 44.1 21.9 65.7



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 21.460 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

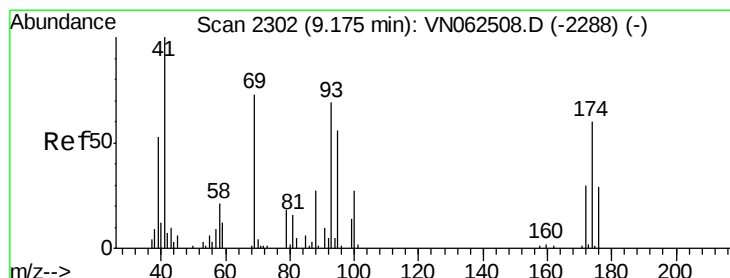
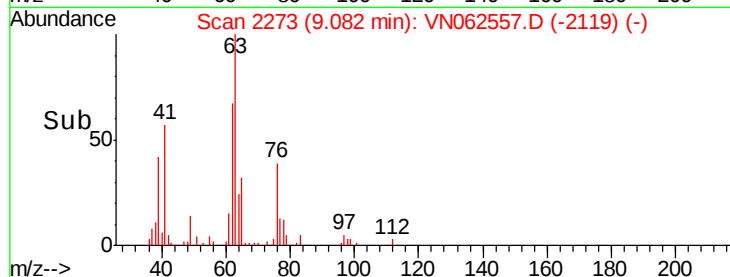
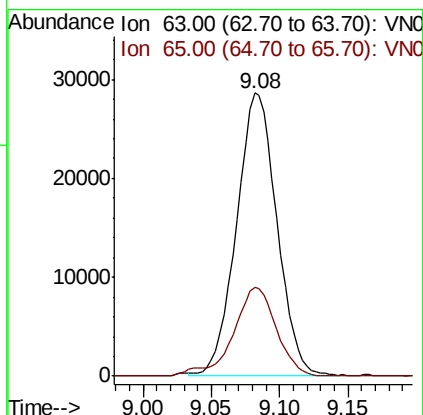
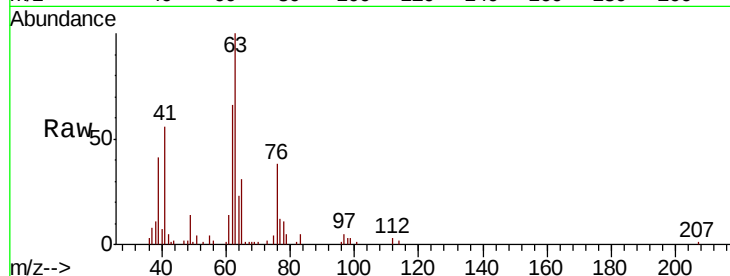
VN0720WBSD01

Tot Ion: 63 Resp: 59009

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.4



#40

Dibromomethane

Concen: 22.199 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

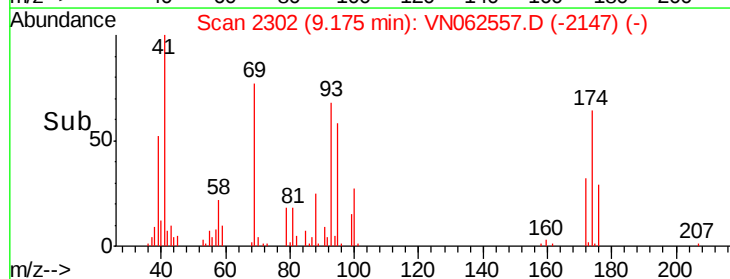
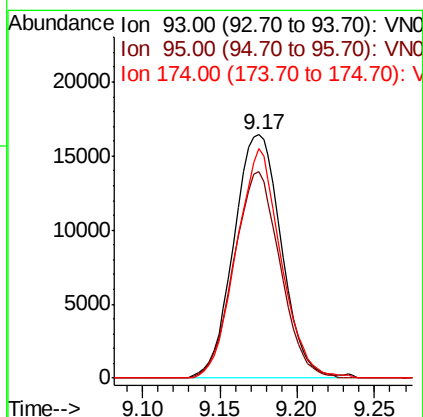
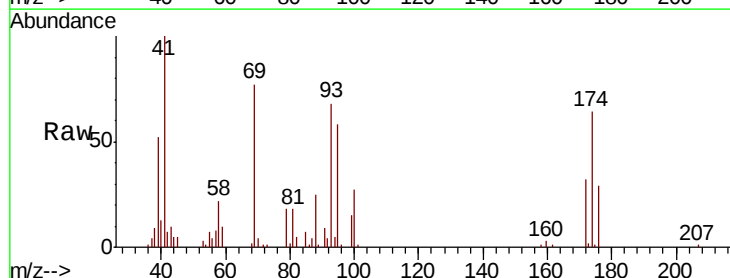
Tgt Ion: 93 Resp: 35178

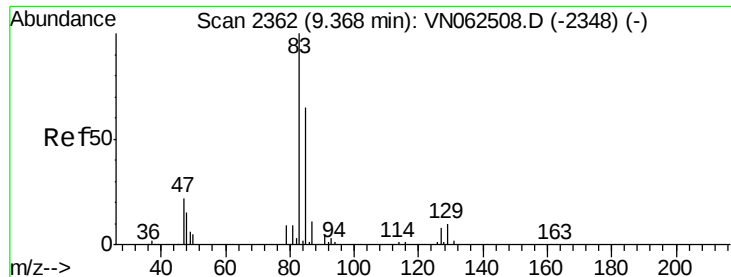
Ion Ratio Lower Upper

93 100

95 82.4 0.0 161.2

174 88.5 0.0 178.0

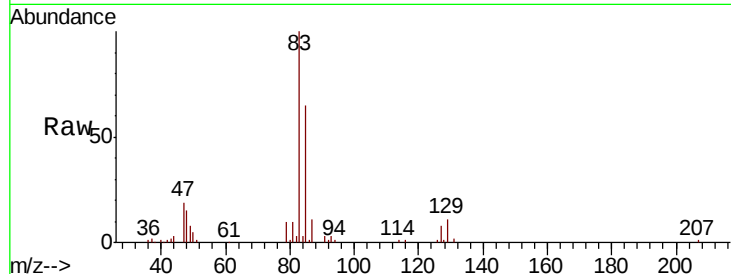




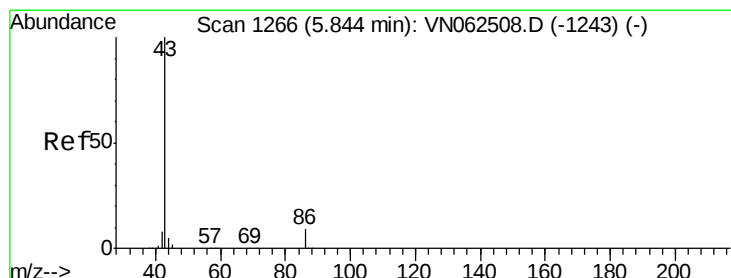
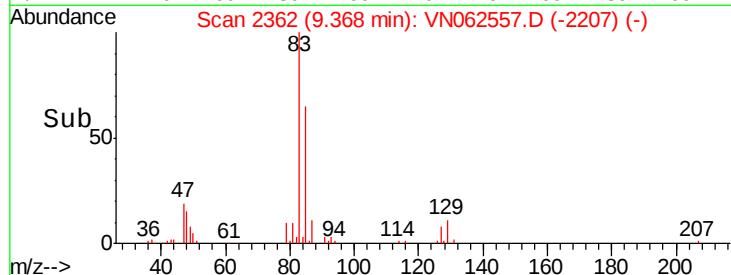
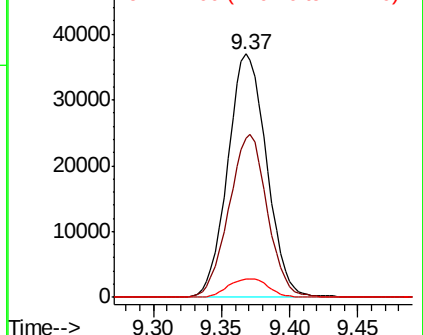
#41
 Bromodichloromethane
 Concen: 21.814 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Tot Ion: 83 Resp: 73321
 Ion Ratio Lower Upper
 83 100
 85 65.2 51.6 77.4
 127 7.6 6.3 9.5

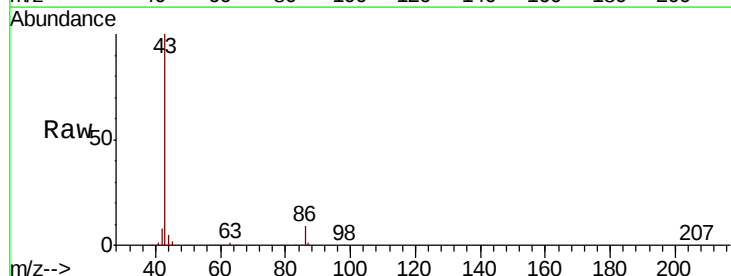


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

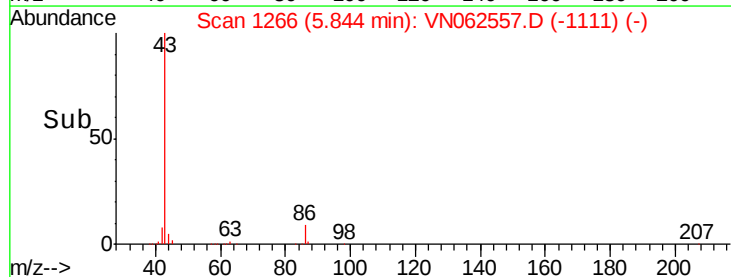
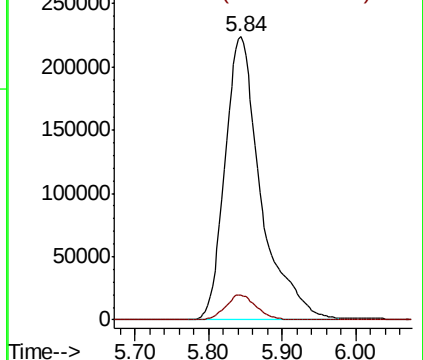


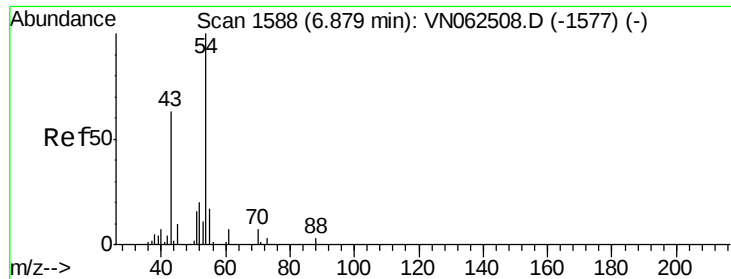
#42
 Vinyl Acetate
 Concen: 106.012 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion: 43 Resp: 759000
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.916 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleID :

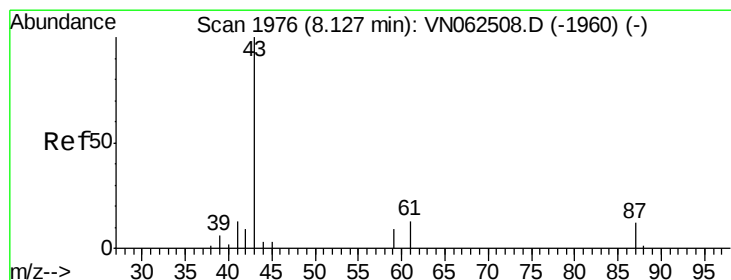
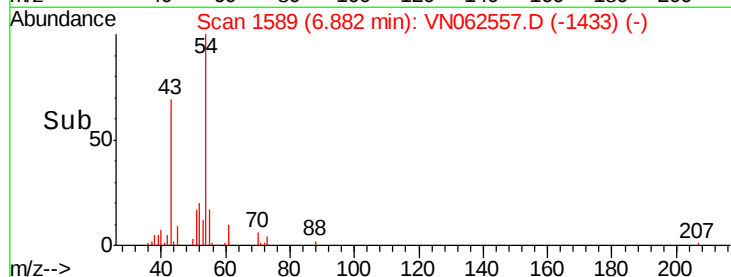
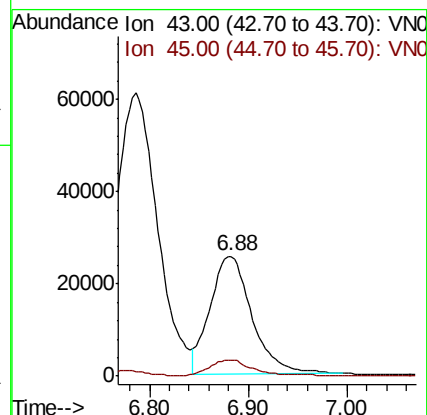
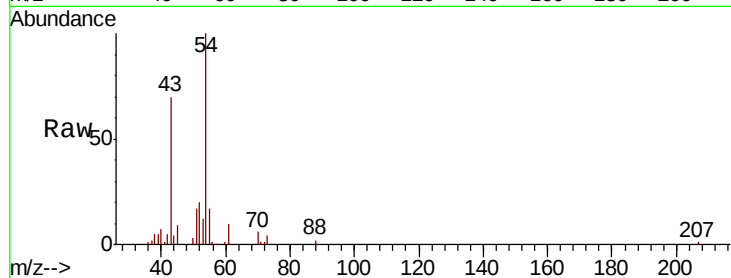
VN0720WBSD01

Tot Ion: 43 Resp: 75914

Ion Ratio Lower Upper

43 100

45 12.3 10.2 15.4



#44

Isopropyl Acetate

Concen: 21.172 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062557.D

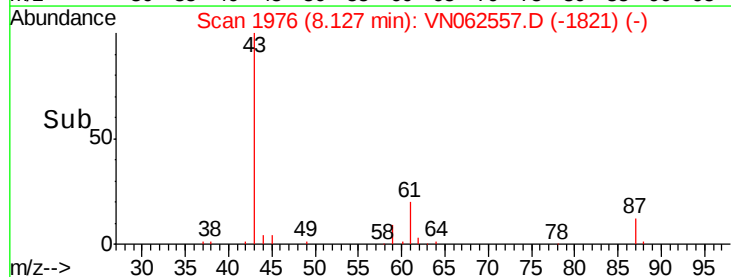
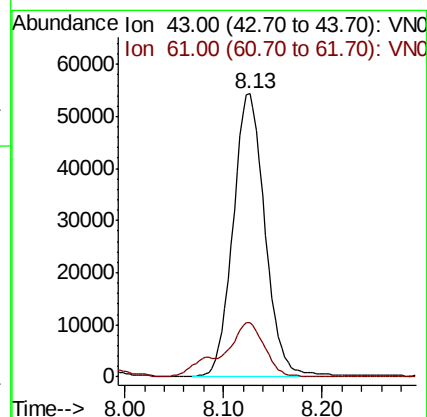
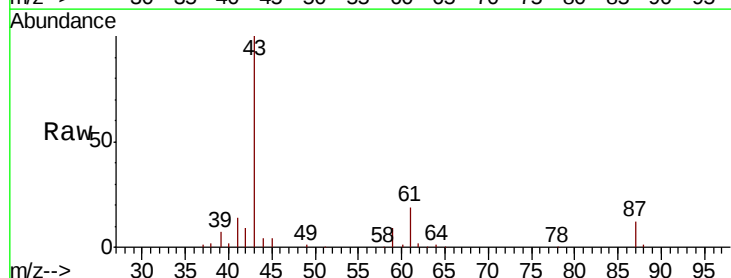
Acq: 20 Jul 2020 13:17

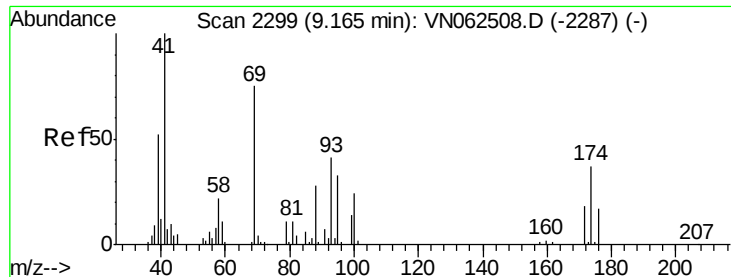
Tgt Ion: 43 Resp: 123049

Ion Ratio Lower Upper

43 100

61 19.8 14.7 22.1

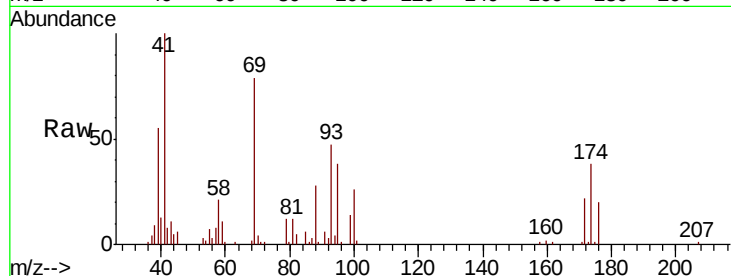




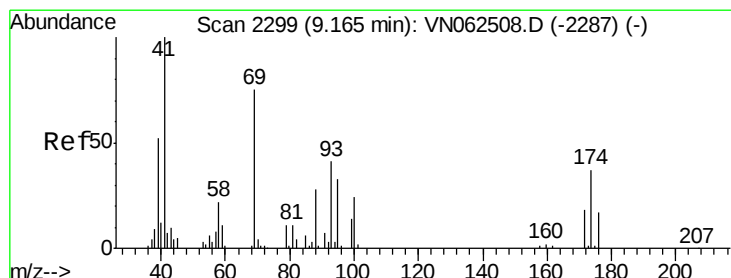
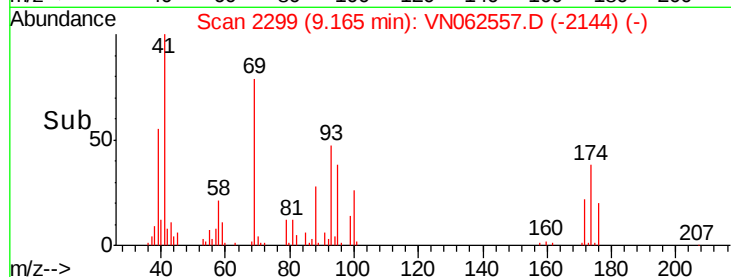
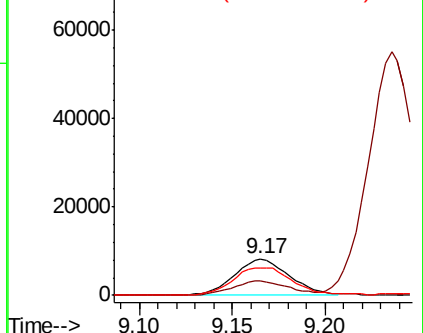
#45
 1,4-Dioxane
 Concen: 425.320 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Tot Ion: 88 Resp: 16909
 Ion Ratio Lower Upper
 88 100
 43 40.1 29.2 43.8
 58 82.6 62.2 93.4

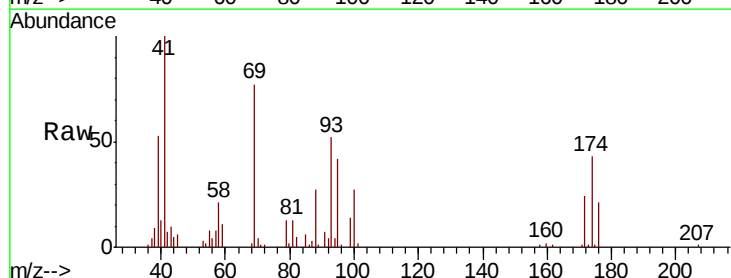


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

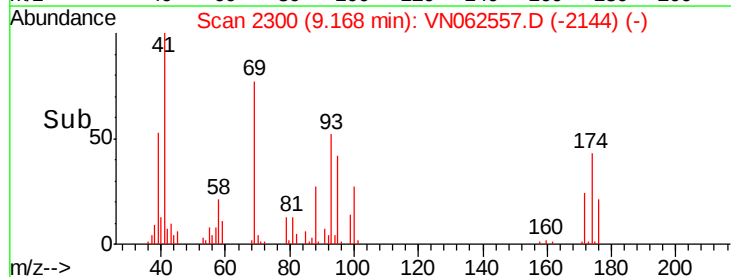
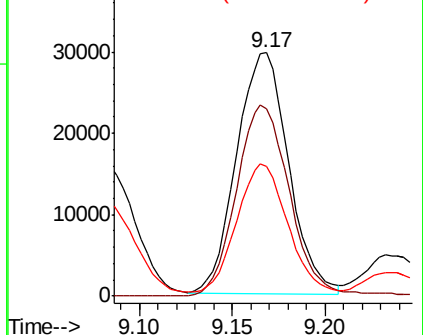


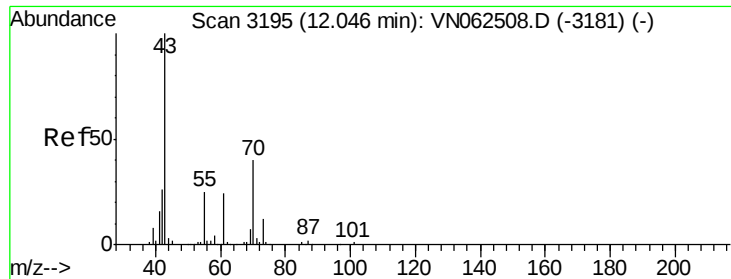
#46
 Methyl methacrylate
 Concen: 20.831 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion: 41 Resp: 57436
 Ion Ratio Lower Upper
 41 100
 69 78.0 37.4 112.2
 39 52.3 25.9 77.6



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

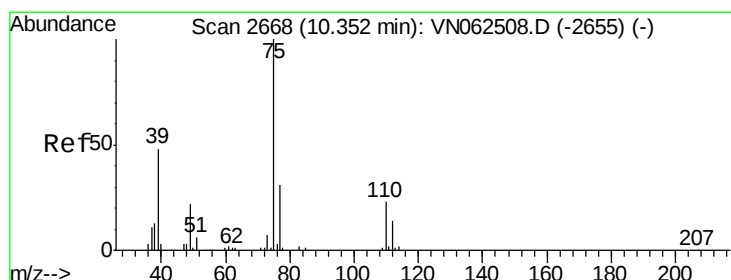
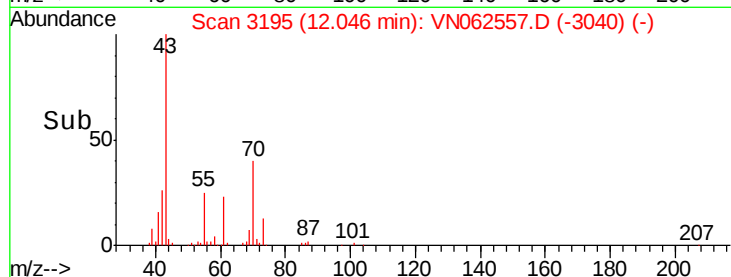
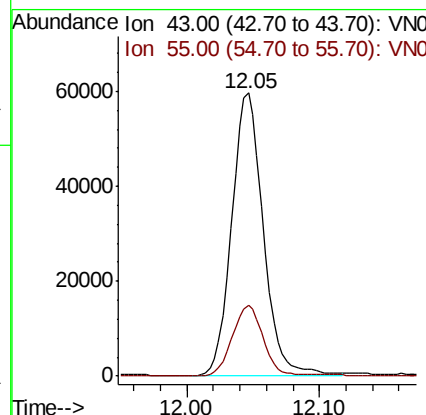
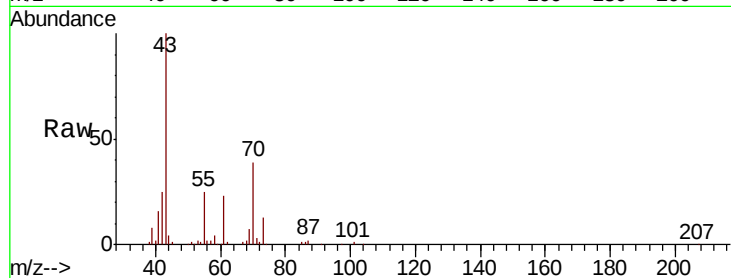




#47
 n-amvl Acetate
 Concen: 20.268 ug/l
 RT: 12.05 min Scan# 3195
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

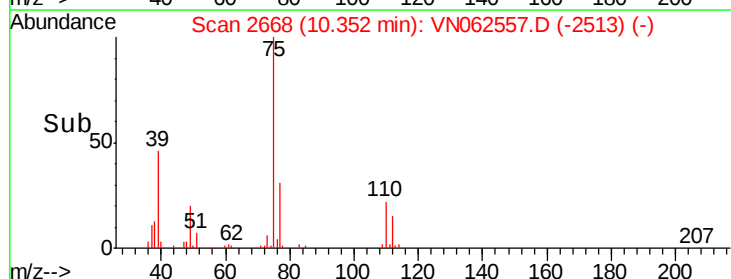
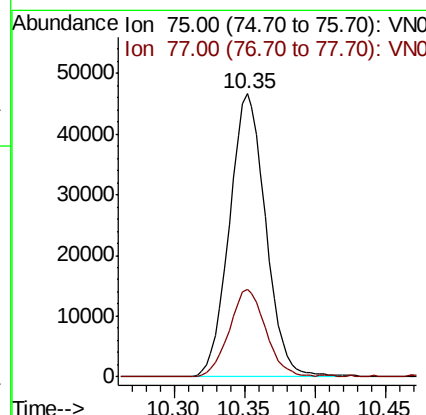
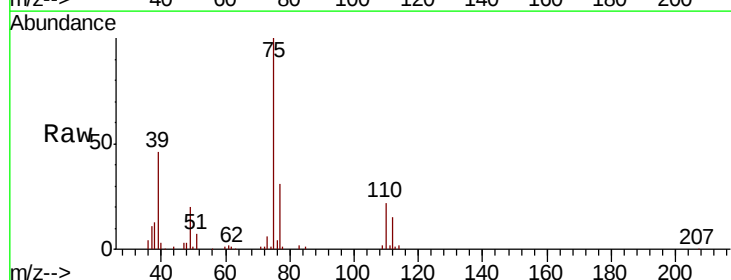
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

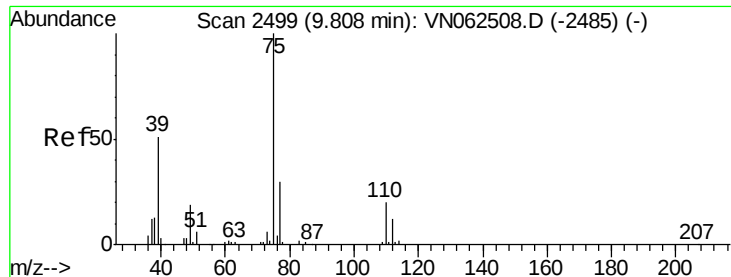
Tot Ion: 43 Resp: 99292
 Ion Ratio Lower Upper
 43 100
 55 24.5 20.4 30.6



#48
 t-1,3-Dichloropropene
 Concen: 21.403 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion: 75 Resp: 83906
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4



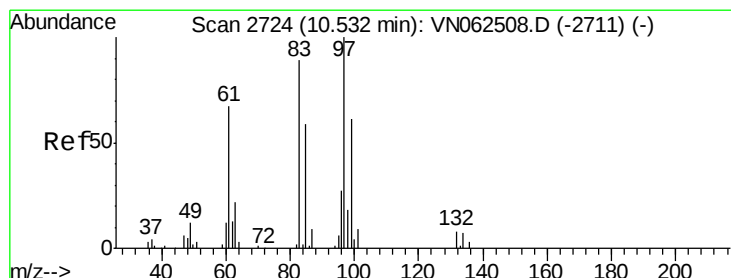
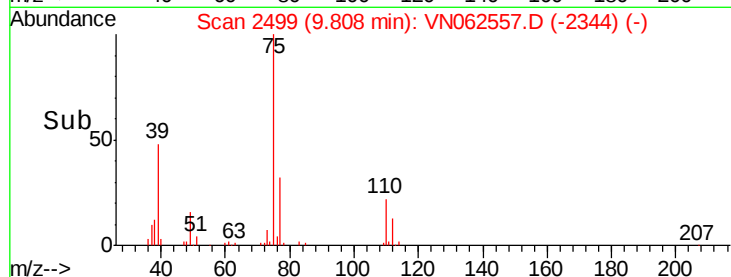
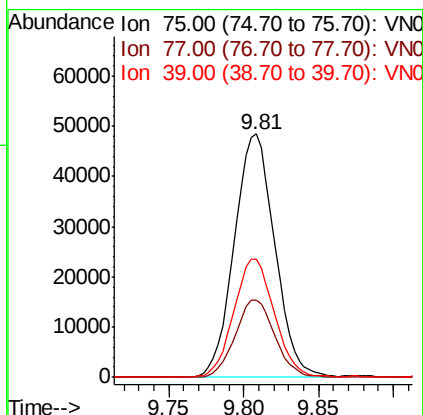
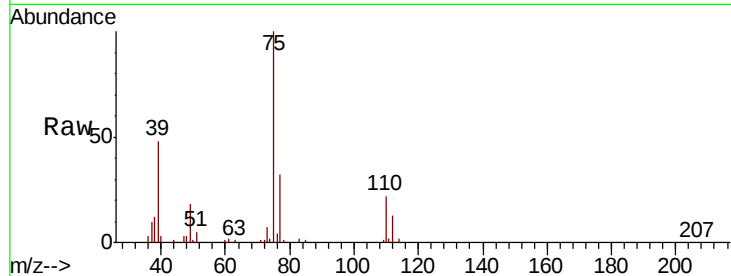


#49

cis-1,3-Dichloropropene
 Concen: 21.618 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

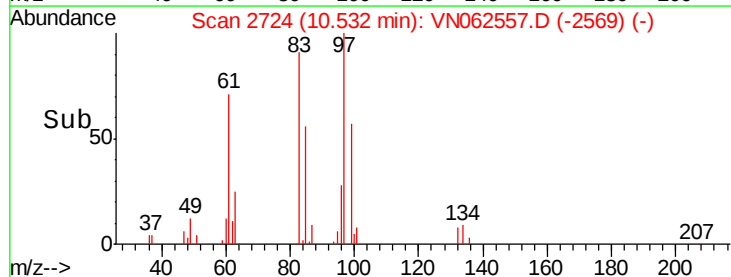
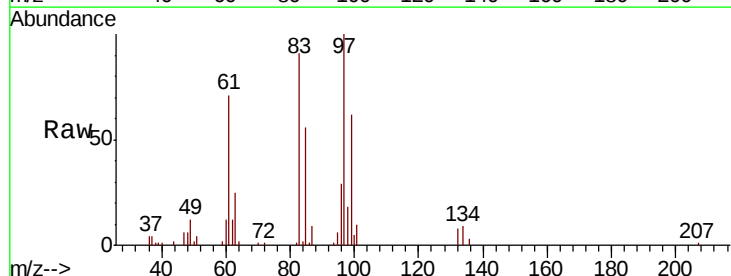
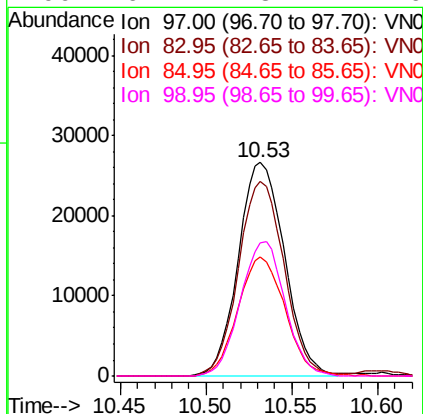
Tot Ion	75	Resp	91488
Ion	Ratio	Lower	Upper
75	100		
77	32.0	23.7	35.5
39	48.4	40.5	60.7

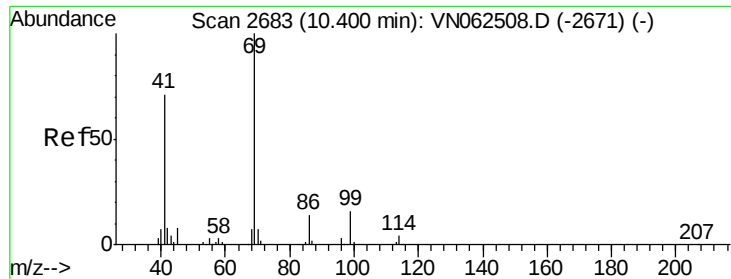


#50

1,1,2-Trichloroethane
 Concen: 22.376 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion	97	Resp	49704
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.3	106.9
85	55.7	47.2	70.8
99	62.4	48.4	72.6





#51

Ethyl methacrylate

Concen: 20.636 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

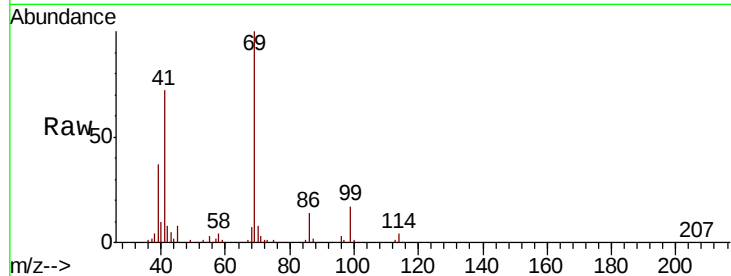
Tot Ion: 69 Resp: 77175

Ion Ratio Lower Upper

69 100

41 71.4 35.6 106.8

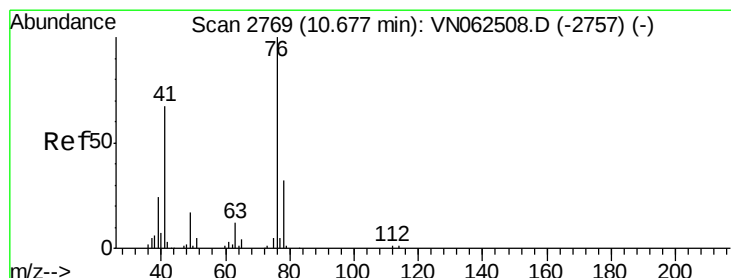
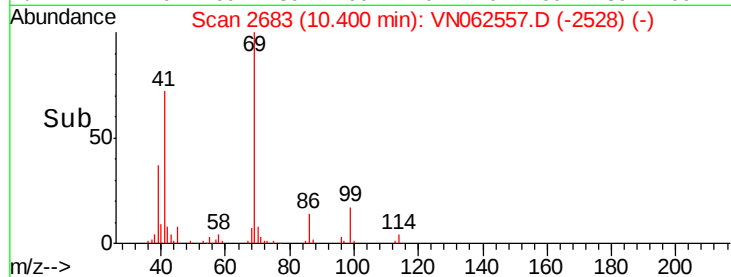
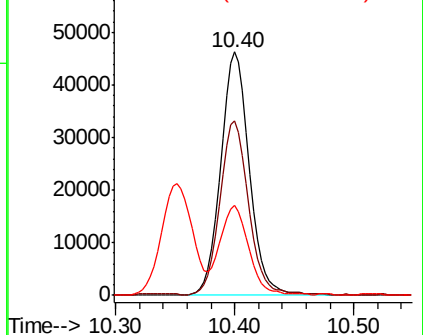
39 36.4 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VN062508.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN062508.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN062508.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 21.909 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062557.D

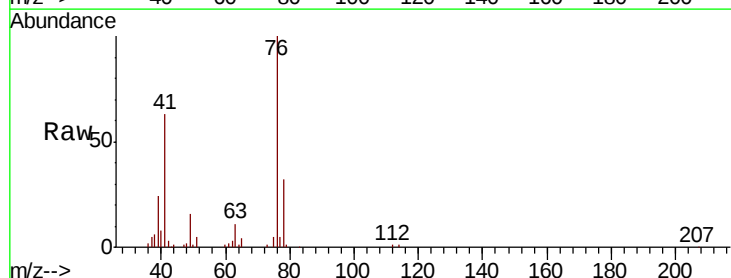
Acq: 20 Jul 2020 13:17

Tgt Ion: 76 Resp: 89317

Ion Ratio Lower Upper

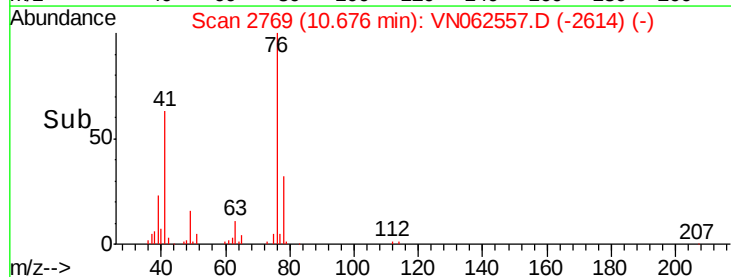
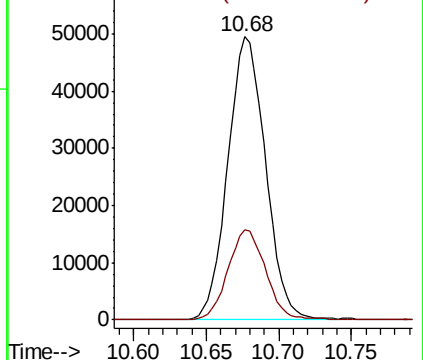
76 100

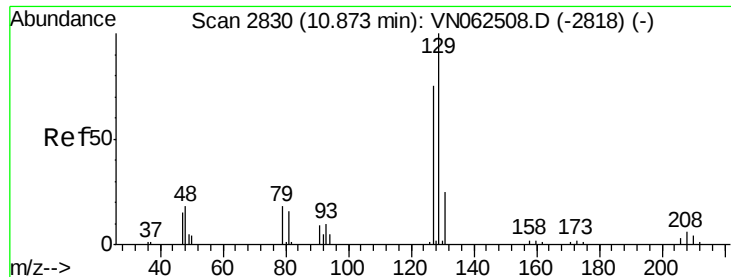
78 31.7 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN062508.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN062508.D (-2757) (-)

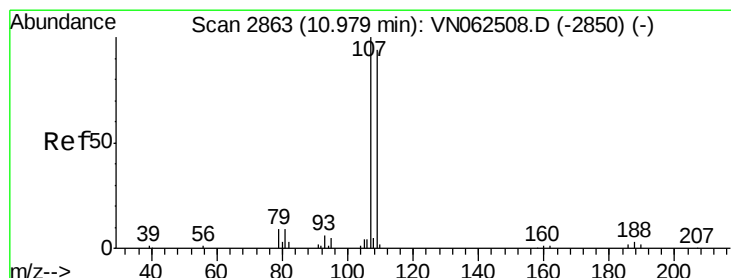
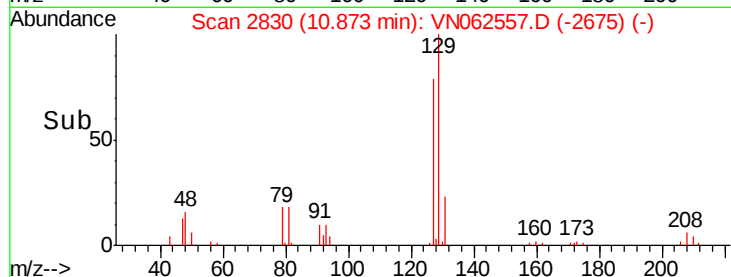
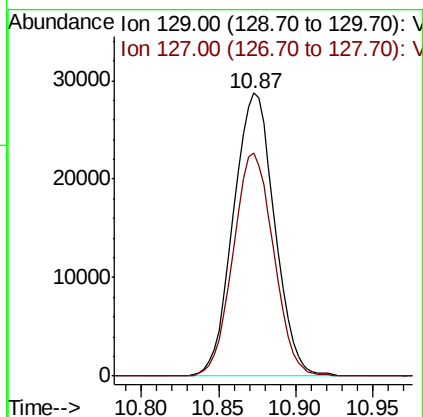
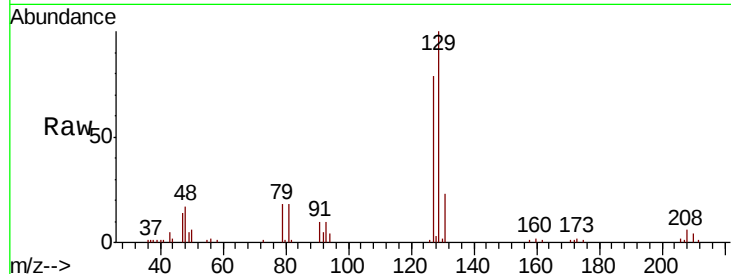




#53
 Dibromochloromethane
 Concen: 22.000 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

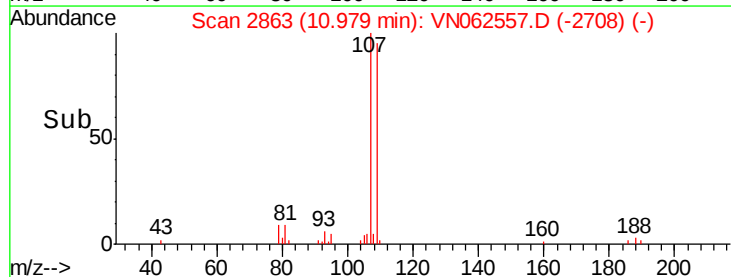
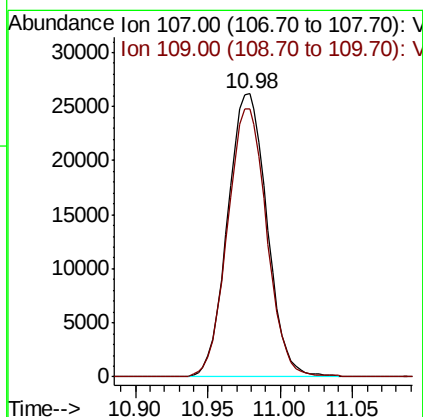
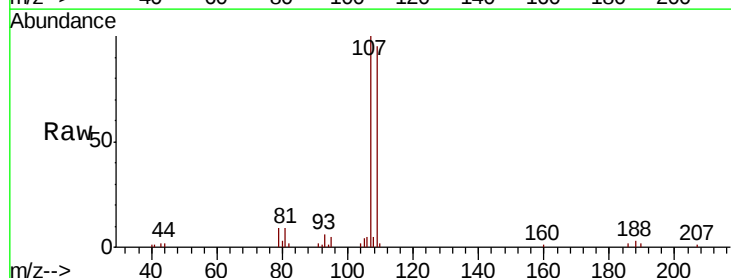
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

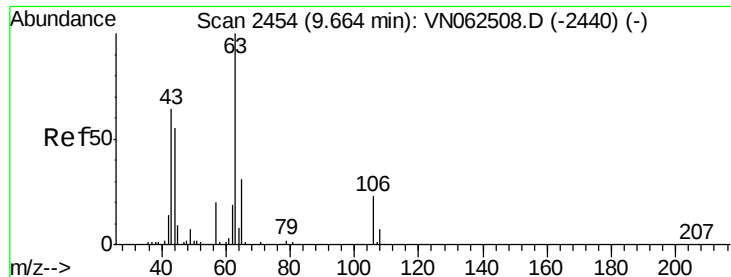
Tot Ion:129 Resp: 53242
 Ion Ratio Lower Upper
 129 100
 127 77.4 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 21.721 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion:107 Resp: 49384
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.8 112.2

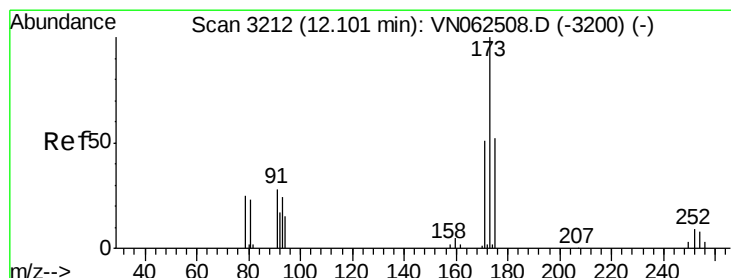
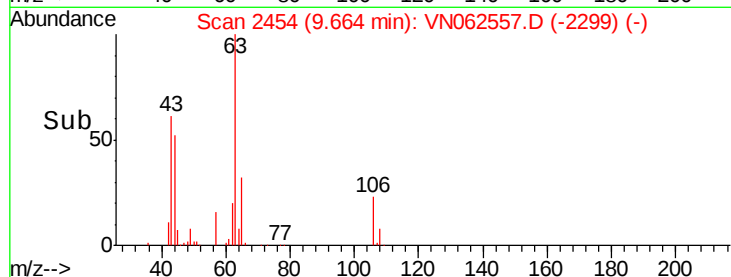
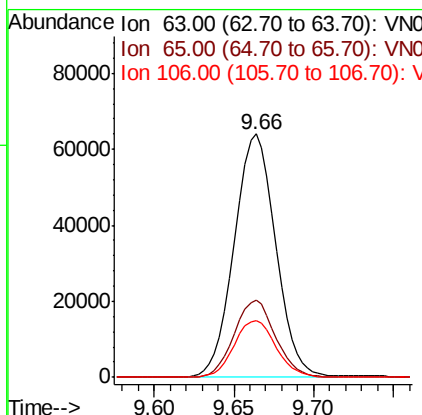
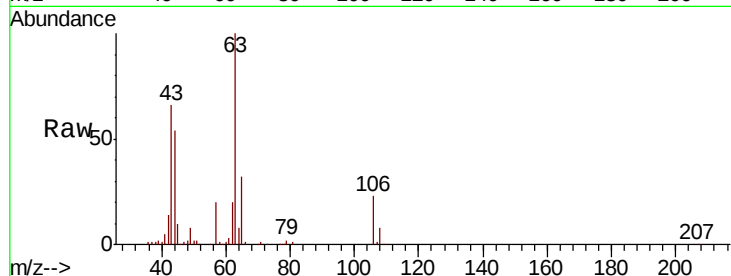




#55
2-Chloroethyl vinyl ether
Concen: 94.945 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

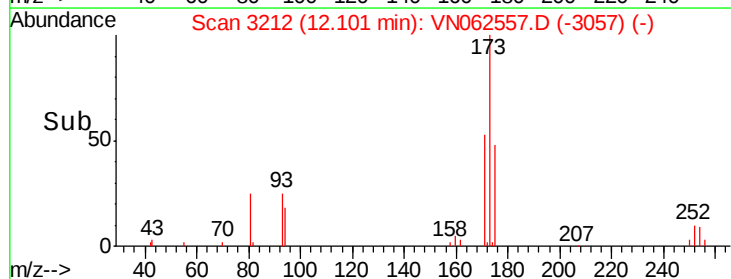
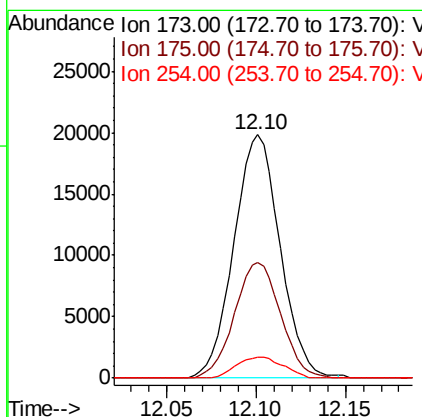
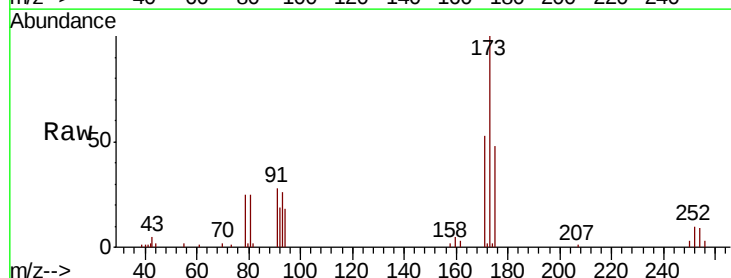
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

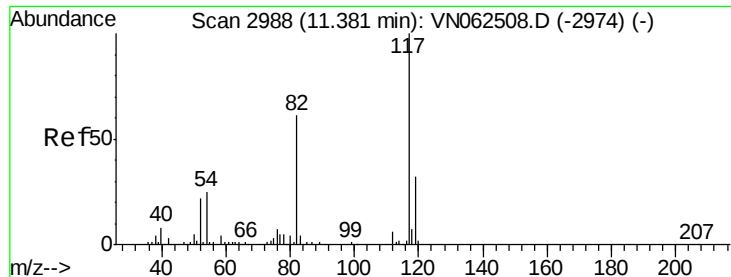
Tot Ion: 63 Resp: 113410
Ion Ratio Lower Upper
63 100
65 31.6 25.4 38.2
106 23.5 18.4 27.6



#56
Bromoform
Concen: 21.680 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 173 Resp: 35837
Ion Ratio Lower Upper
173 100
175 47.5 38.1 57.1
254 8.8 6.2 9.2

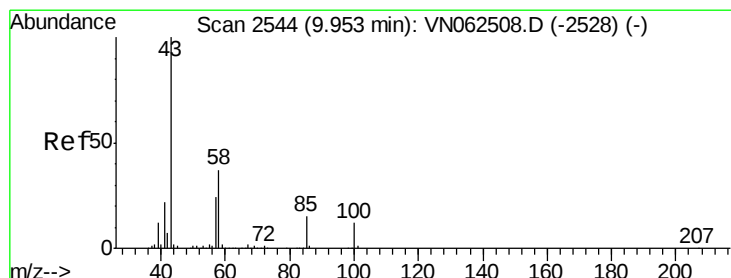
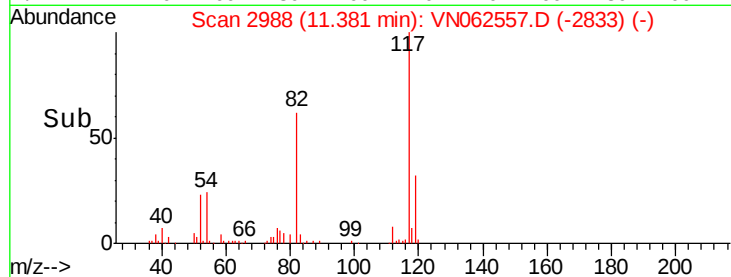
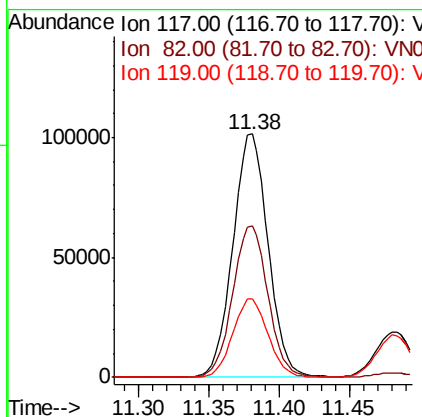
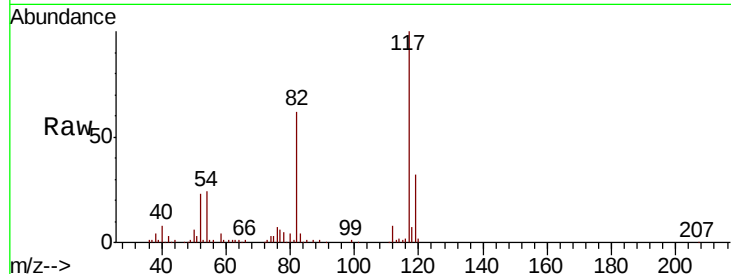




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

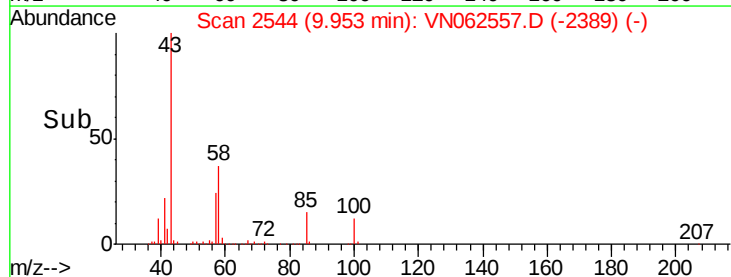
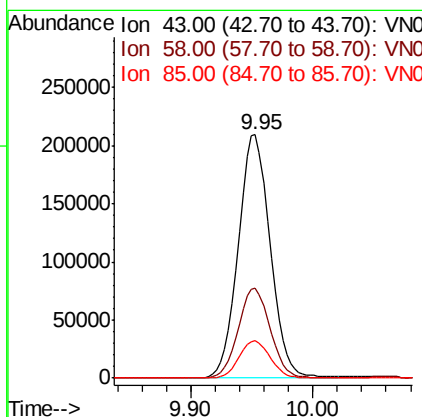
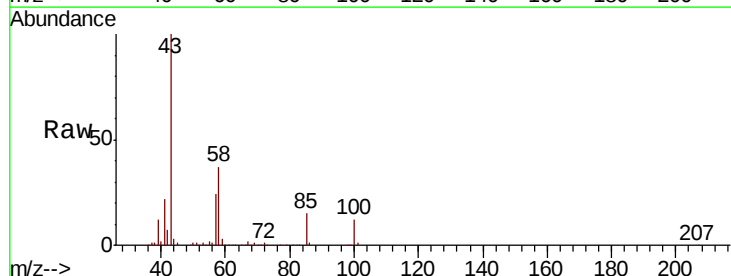
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

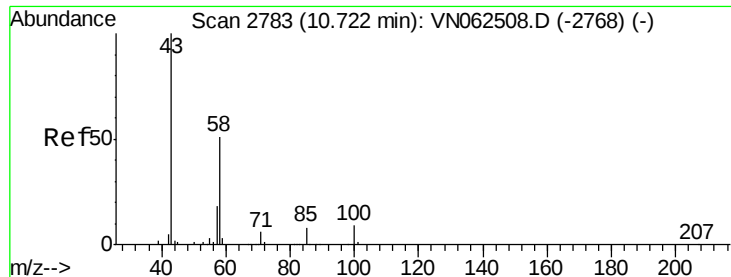
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.0	73.6
119	32.2	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 109.275 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.6	44.4
85	15.1	12.0	18.0

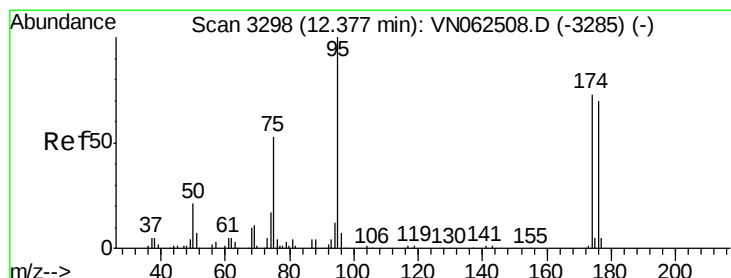
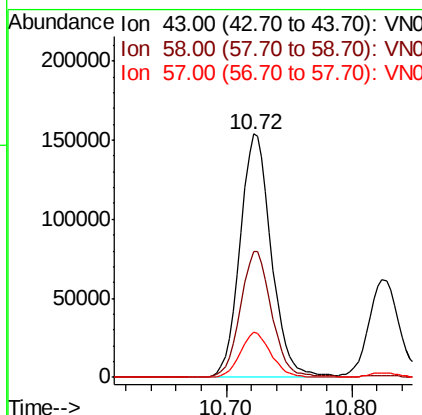
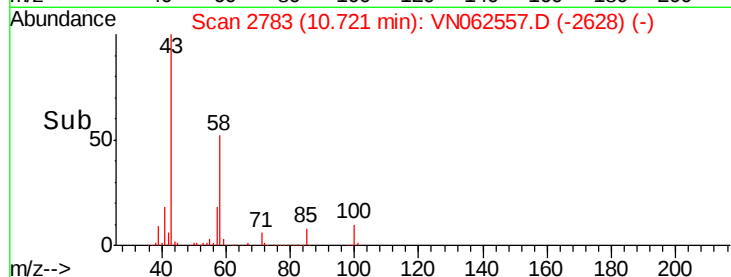
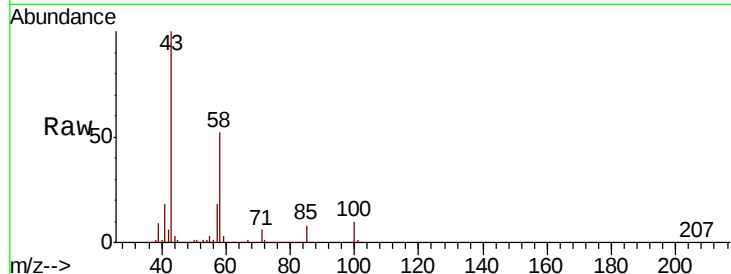




#59
2-Hexanone
Concen: 105.229 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

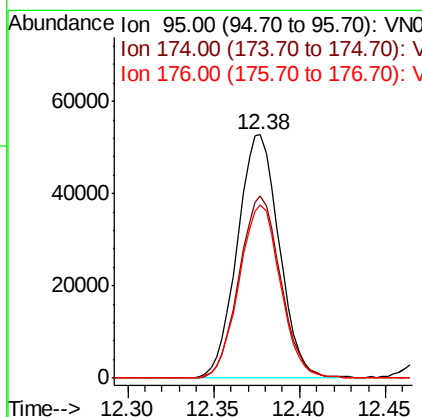
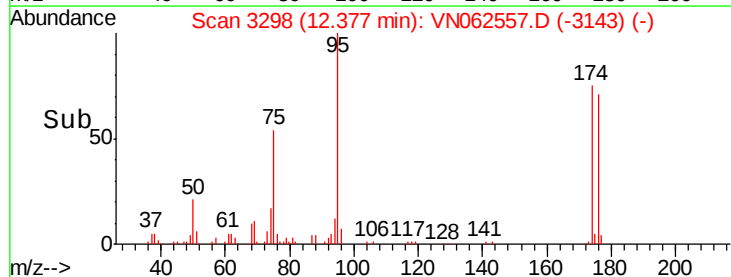
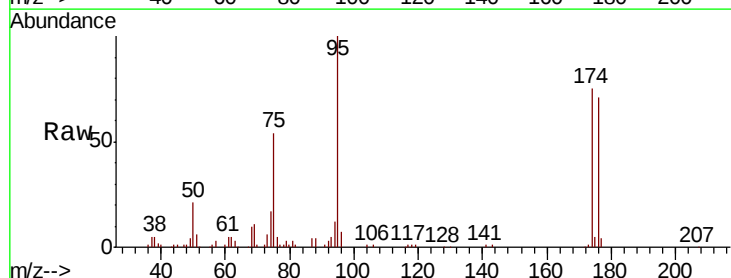
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

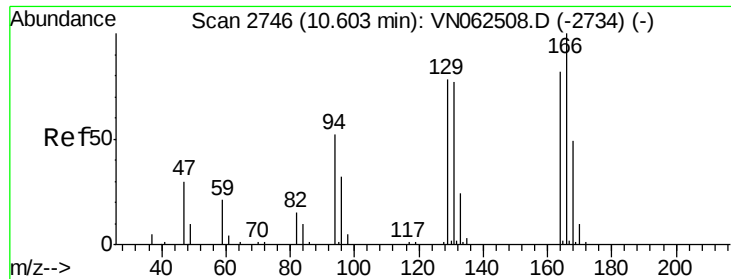
Tot Ion: 43 Resp: 267472
Ion Ratio Lower Upper
43 100
58 51.7 41.2 61.8
57 18.0 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.464 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 95 Resp: 89194
Ion Ratio Lower Upper
95 100
174 74.1 57.5 86.3
176 70.5 56.3 84.5

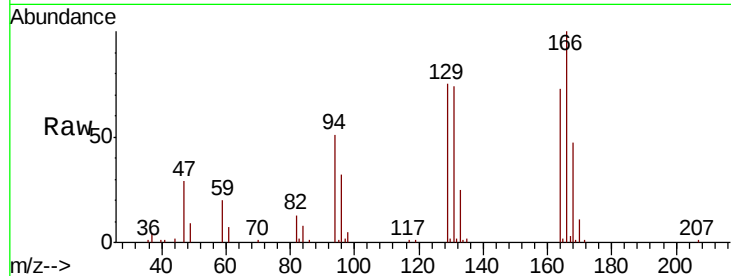




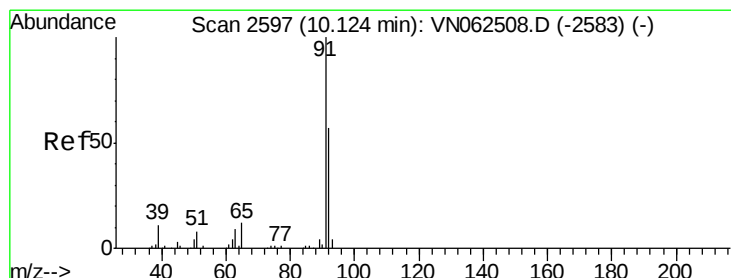
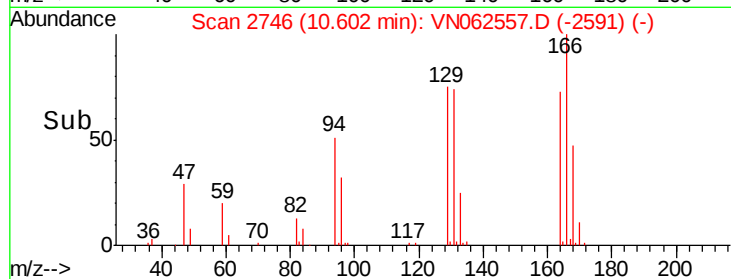
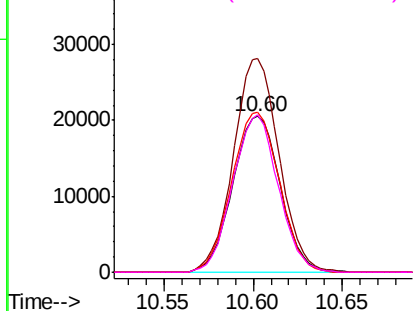
#61
Tetrachloroethene
Concen: 20.970 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

Tot Ion:164 Resp: 38201
Ion Ratio Lower Upper
164 100
166 137.2 97.7 146.5
129 102.8 77.0 115.4
131 100.9 75.0 112.6

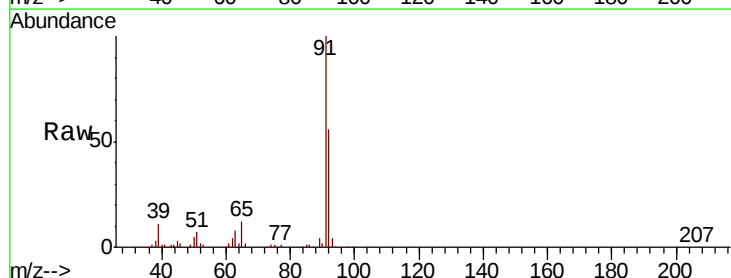


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

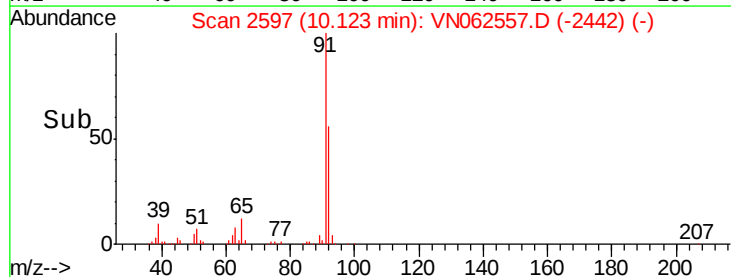
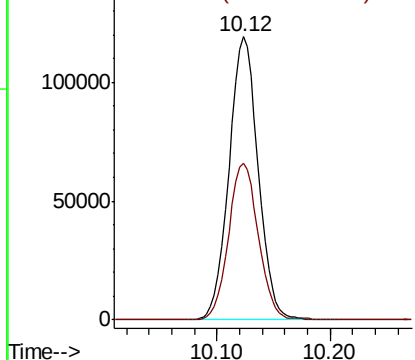


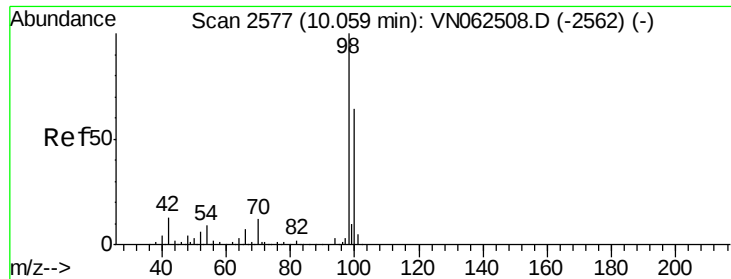
#62
Toluene
Concen: 21.204 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 91 Resp: 213985
Ion Ratio Lower Upper
91 100
92 56.6 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.375 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

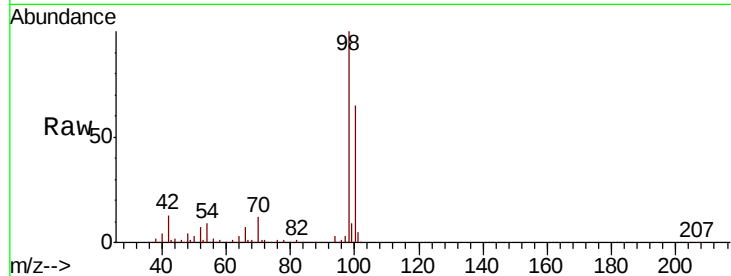
VN0720WBSD01

Tot Ion: 98 Resp: 255318

Ion Ratio Lower Upper

98 100

100 63.7 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN062508.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062557.D (-2422) (-)

10.06

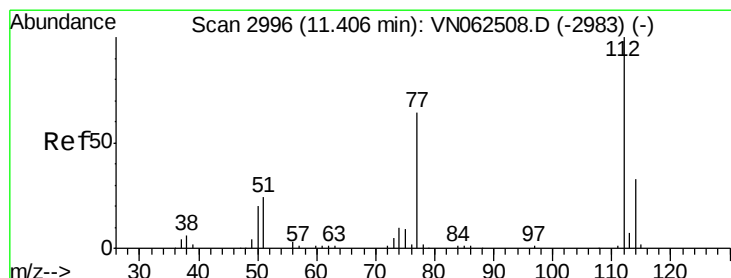
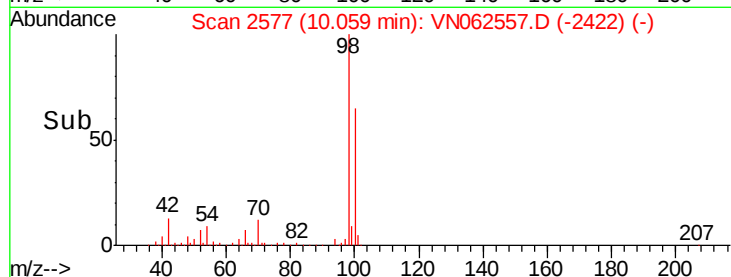
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.990 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062557.D

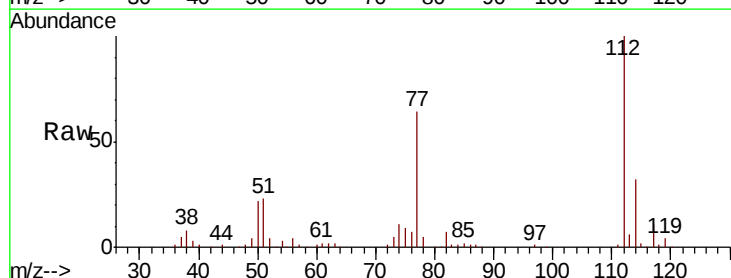
Acq: 20 Jul 2020 13:17

Tgt Ion: 112 Resp: 124467

Ion Ratio Lower Upper

112 100

114 31.6 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): VN062508.D (-2983) (-)

Ion 114.00 (113.70 to 114.70): VN062557.D (-2841) (-)

11.41

80000

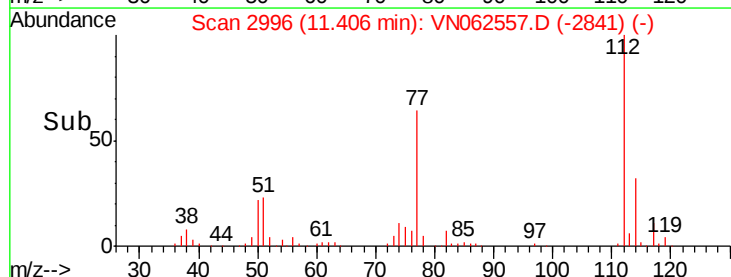
60000

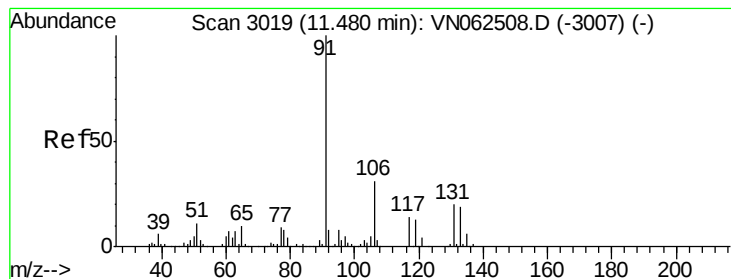
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.914 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0720WBSD01

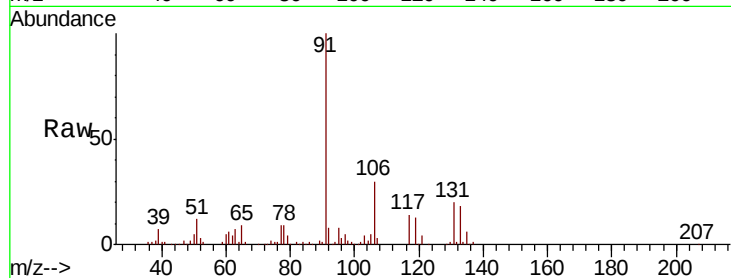
Tot Ion:131 Resp: 48100

Ion Ratio Lower Upper

131 100

133 91.1 0.0 191.4

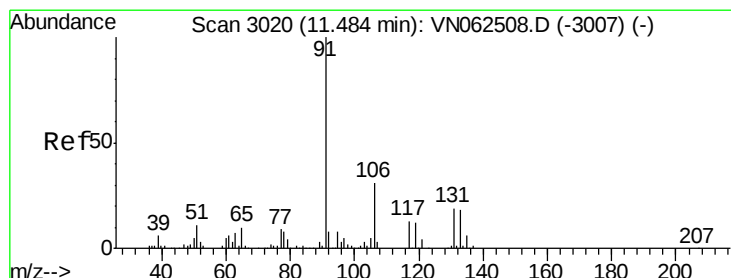
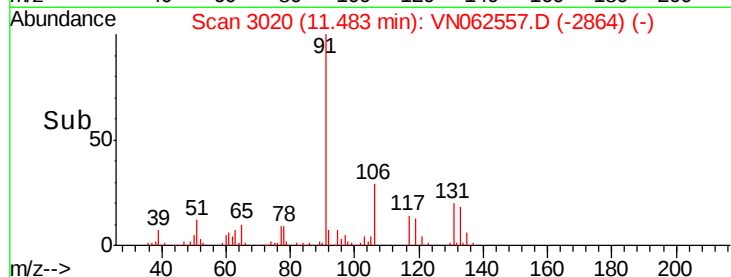
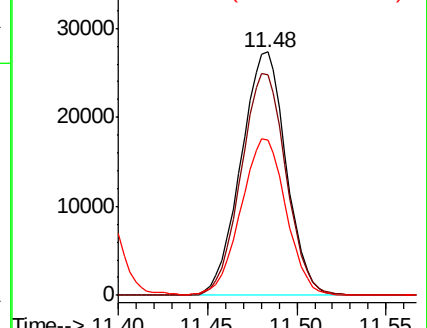
119 64.5 0.0 136.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.295 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062557.D

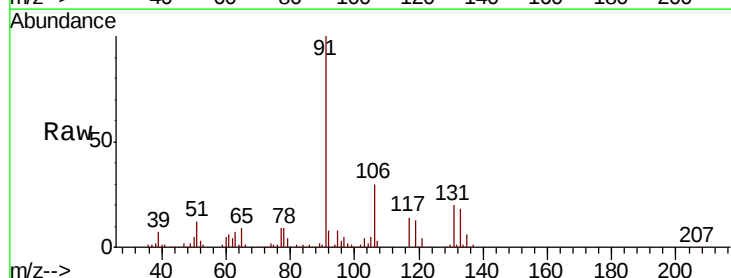
Acq: 20 Jul 2020 13:17

Tgt Ion: 91 Resp: 226804

Ion Ratio Lower Upper

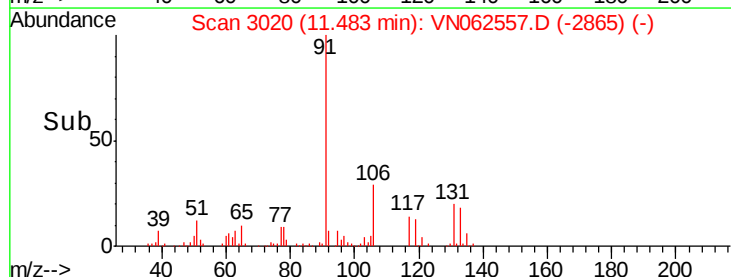
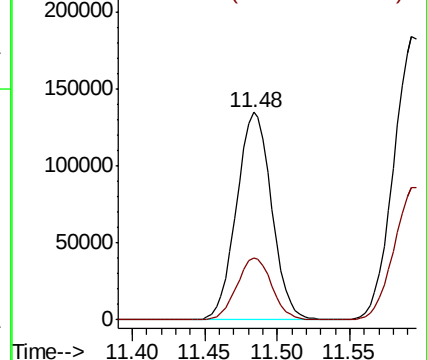
91 100

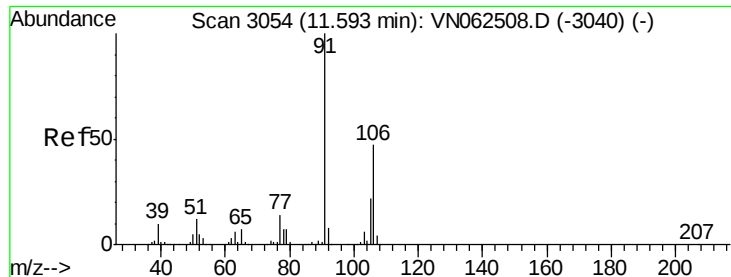
106 30.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.039 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

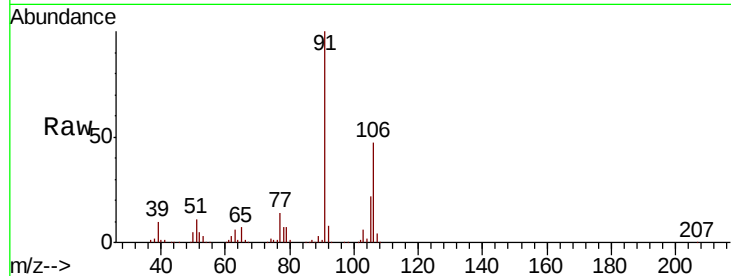
VN0720WBSD01

Tot Ion:106 Resp: 166463

Ion Ratio Lower Upper

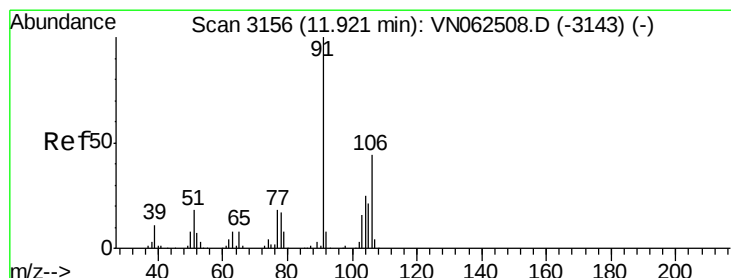
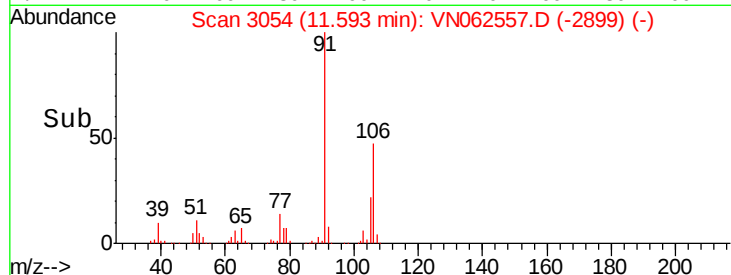
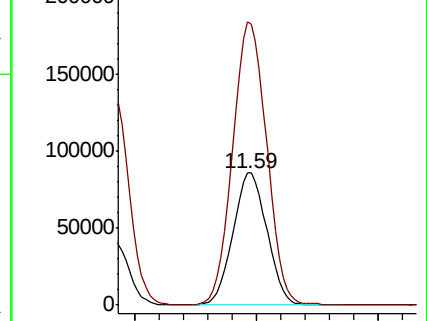
106 100

91 213.9 170.7 256.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.600 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN062557.D

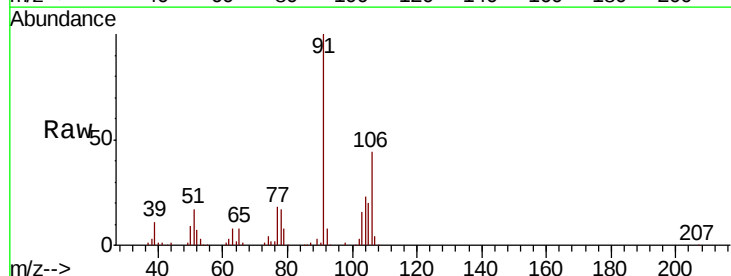
Acq: 20 Jul 2020 13:17

Tgt Ion:106 Resp: 80187

Ion Ratio Lower Upper

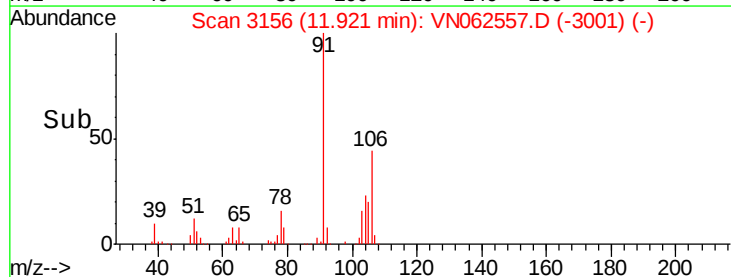
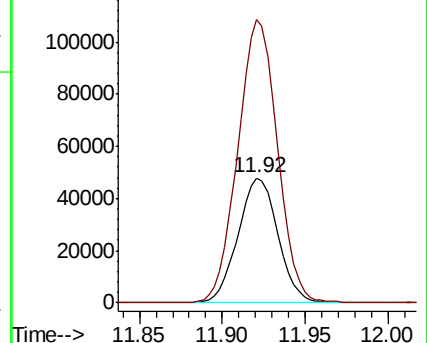
106 100

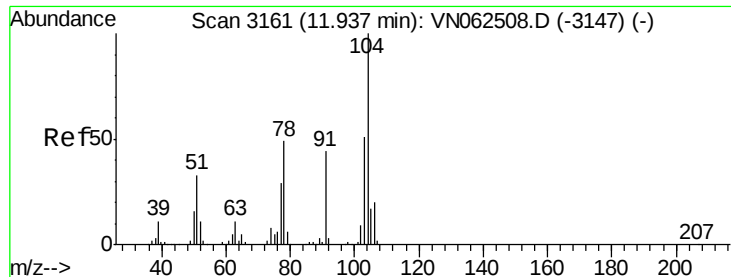
91 225.7 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

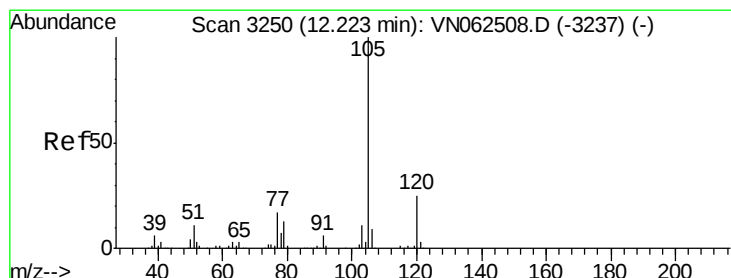
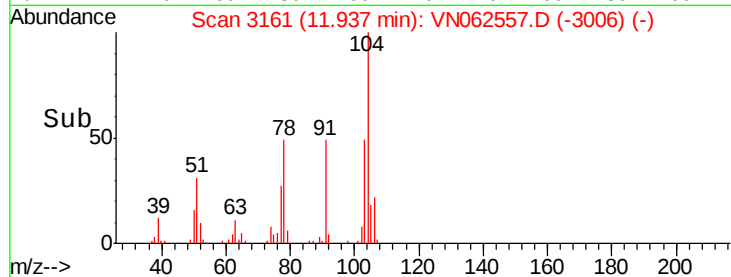
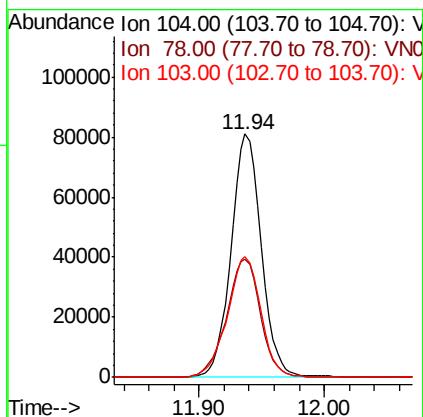
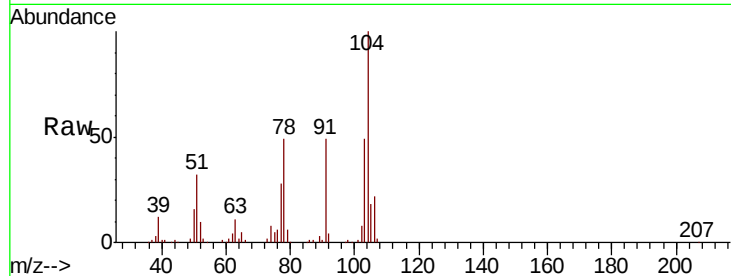




#69
Stvrene
Concen: 20.591 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

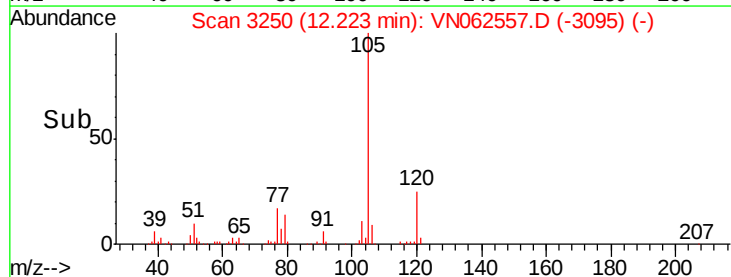
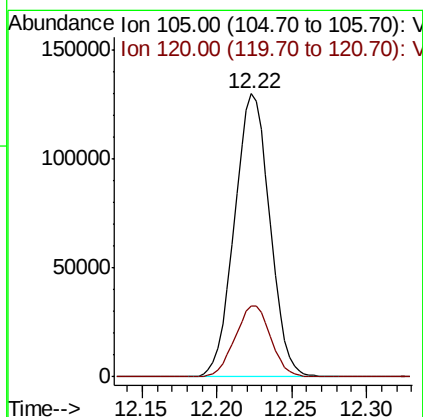
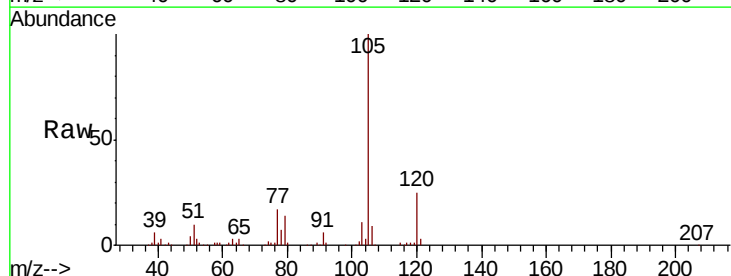
Instrument :
MSVOA_N
ClientSampled :
VN0720WBSD01

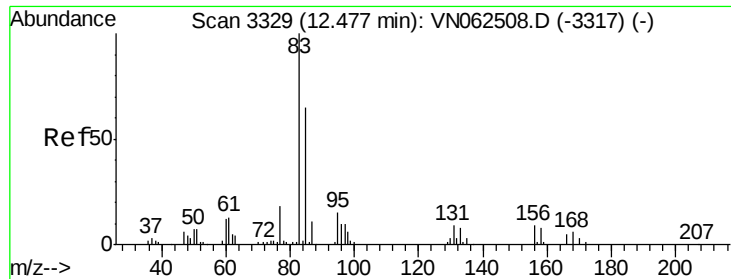
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.9	65.9
103	54.6	43.8	65.6



#70
Isopropylbenzene
Concen: 20.468 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	17.6	32.8

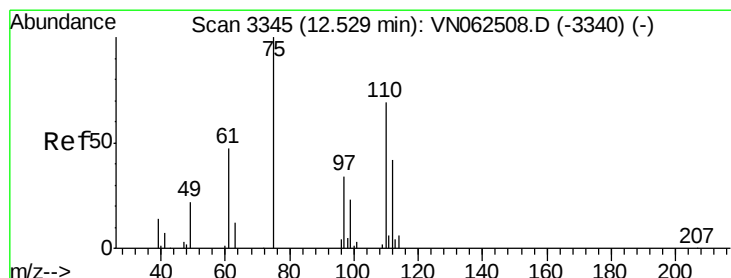
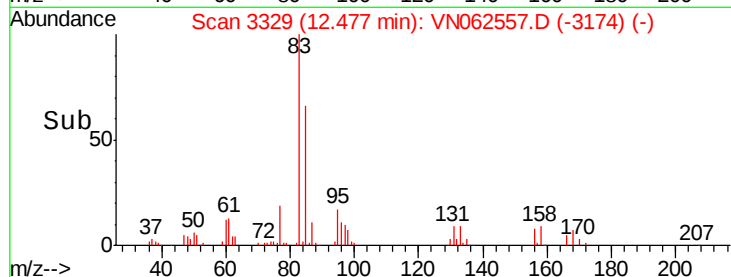
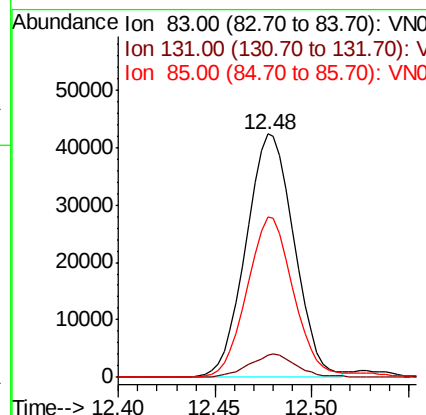
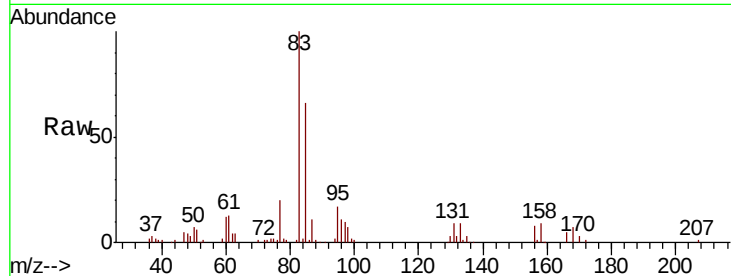




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.696 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

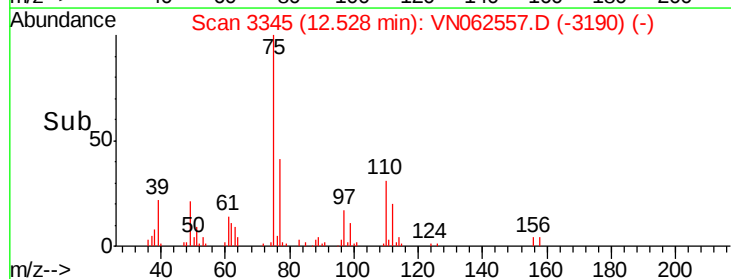
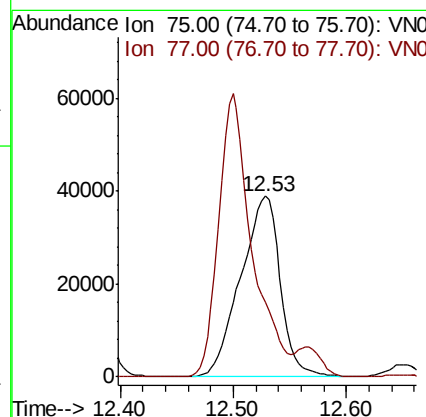
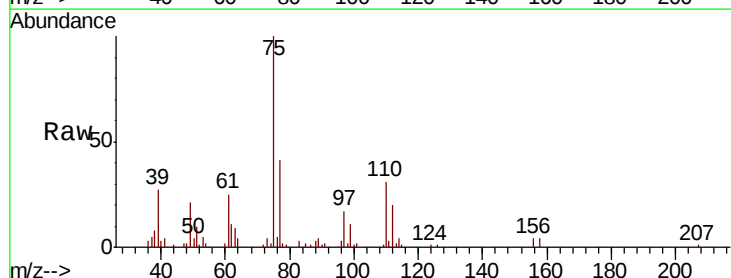
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

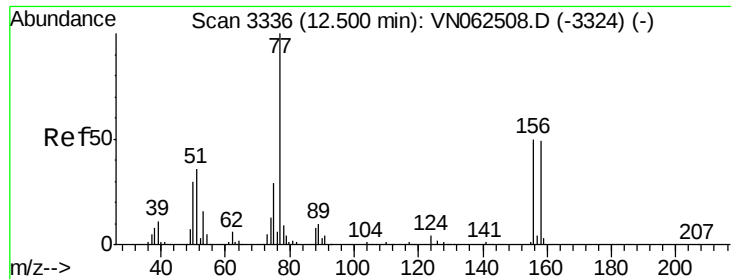
Tot Ion: 83 Resp: 73271
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.5 13.7
 85 63.6 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 28.973 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion: 75 Resp: 95177
 Ion Ratio Lower Upper
 75 100
 77 131.0 0.0 376.2

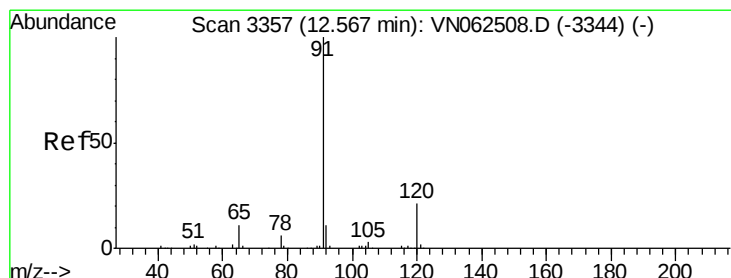
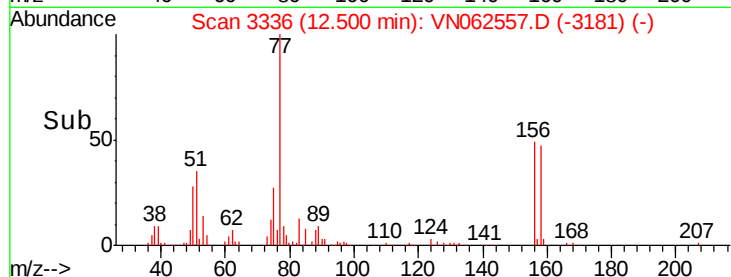
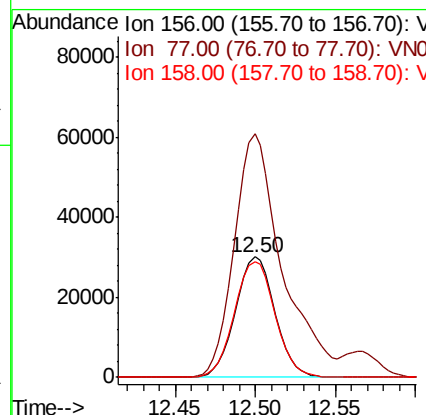
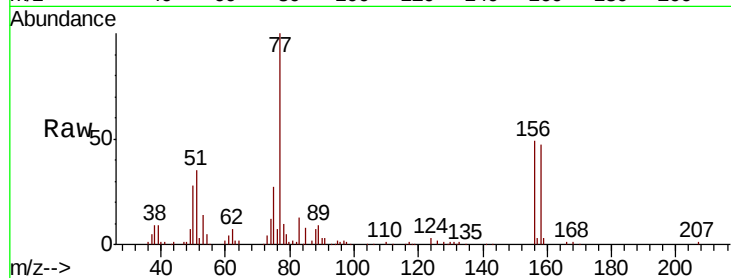




#73
Bromobenzene
Concen: 20.944 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

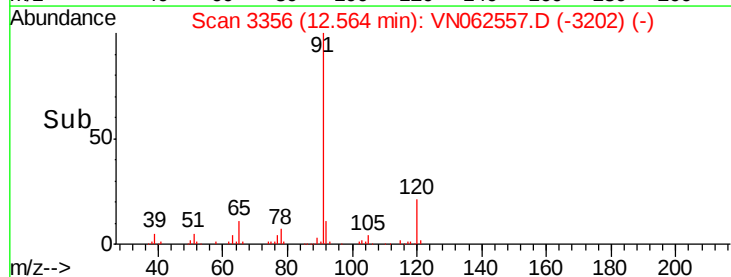
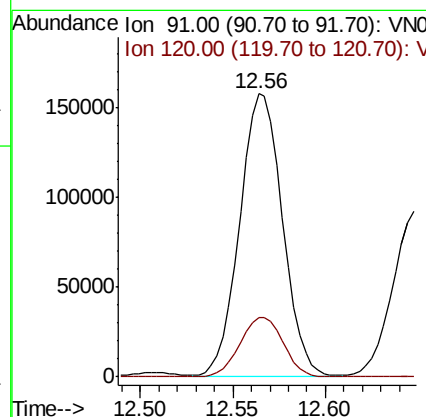
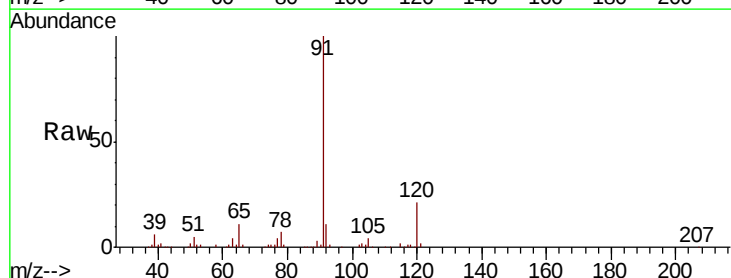
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

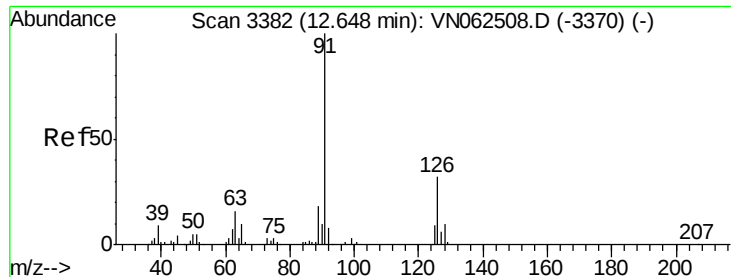
Tot Ion:156 Resp: 50685
Ion Ratio Lower Upper
156 100
77 246.1 0.0 485.0
158 99.1 0.0 192.6



#74
n-propylbenzene
Concen: 20.482 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion: 91 Resp: 254410
Ion Ratio Lower Upper
91 100
120 21.3 0.0 42.8





#75

2-Chlorotoluene

Concen: 20.841 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

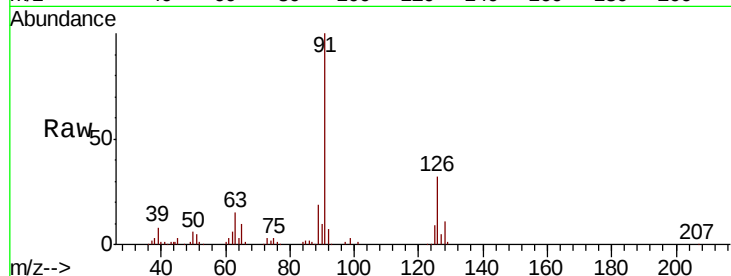
VN0720WBSD01

Tot Ion: 91 Resp: 155858

Ion Ratio Lower Upper

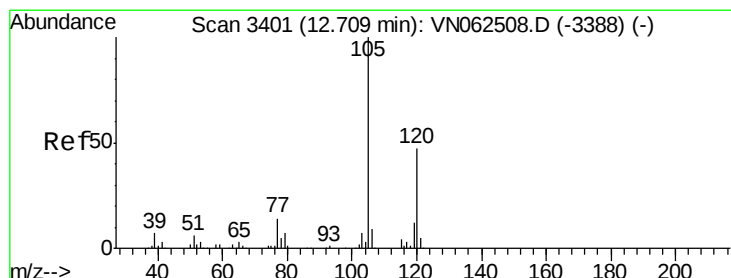
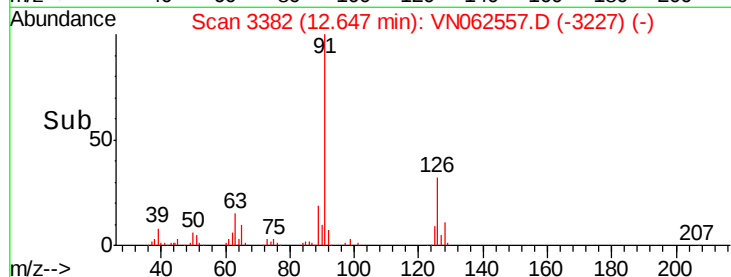
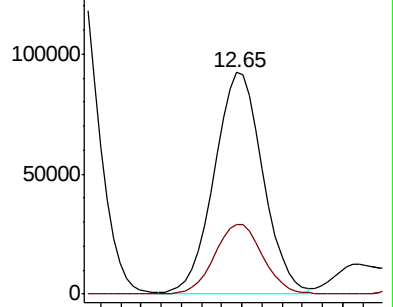
91 100

126 31.4 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN062508.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062557.D

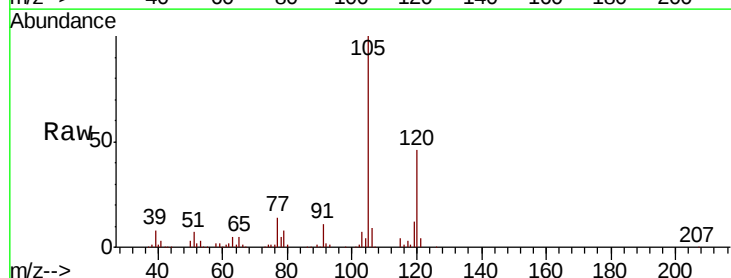
Acq: 20 Jul 2020 13:17

Tgt Ion: 105 Resp: 180096

Ion Ratio Lower Upper

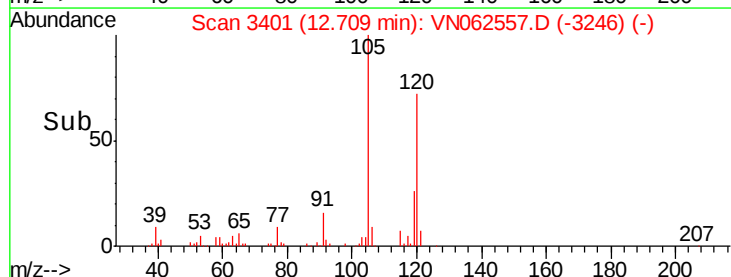
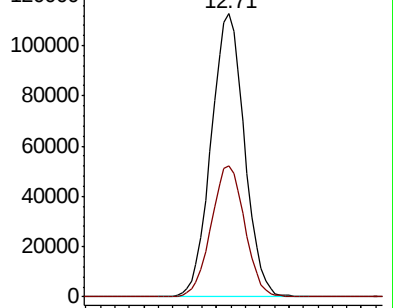
105 100

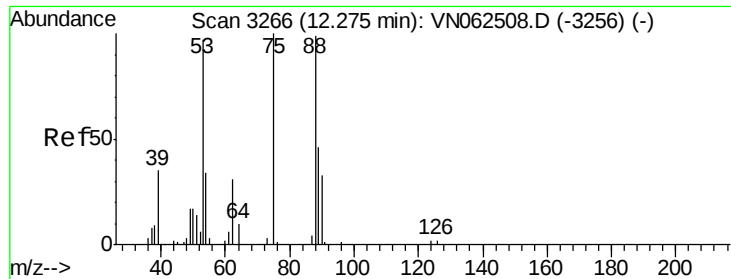
120 46.8 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062508.D (-3388) (-)

Ion 120.00 (119.70 to 120.70): VN062508.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.441 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

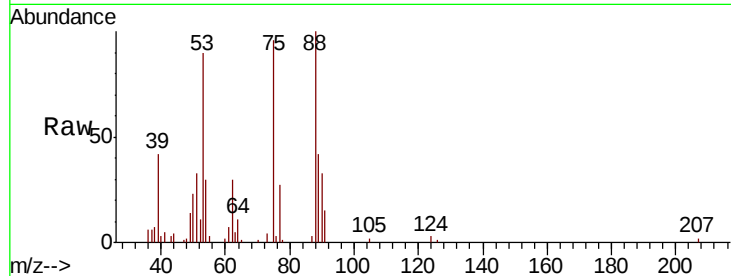
Tot Ion: 75 Resp: 25114

Ion Ratio Lower Upper

75 100

53 93.4 48.3 144.8

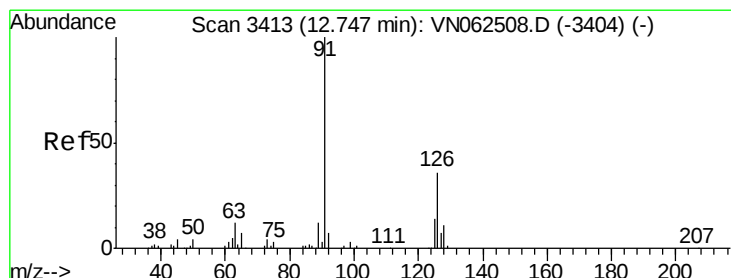
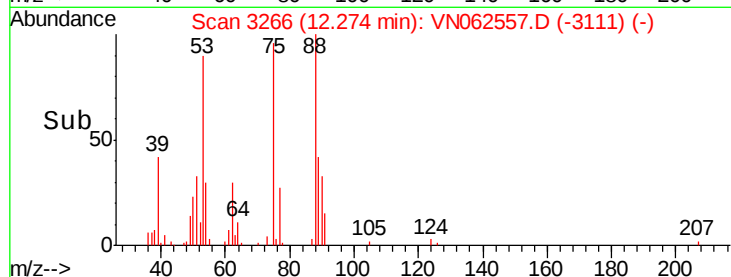
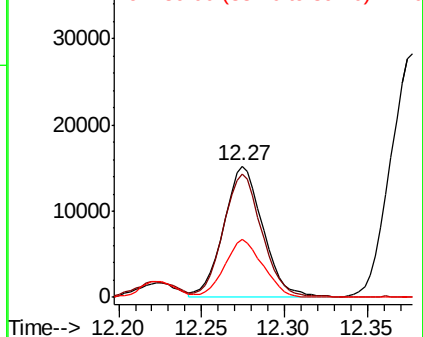
89 44.2 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.982 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062557.D

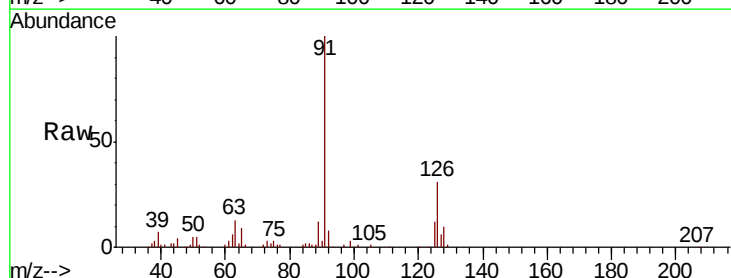
Acq: 20 Jul 2020 13:17

Tgt Ion: 91 Resp: 160115

Ion Ratio Lower Upper

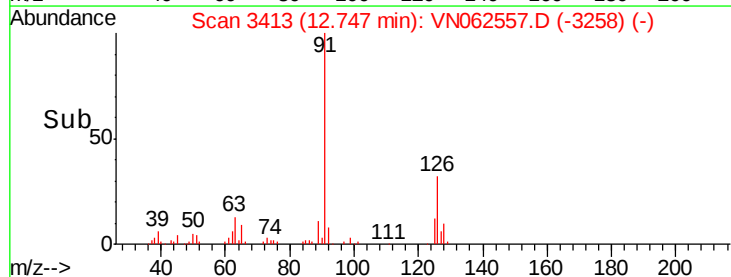
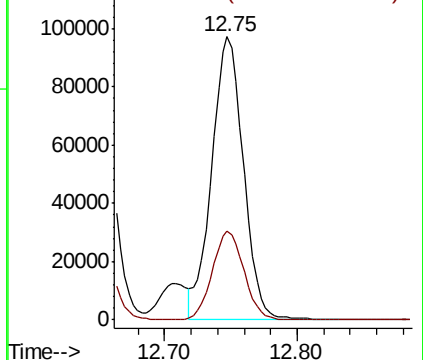
91 100

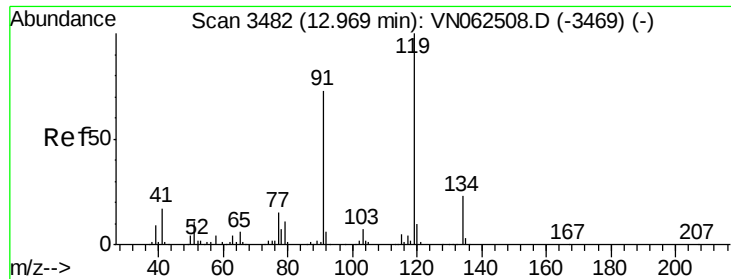
126 31.5 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

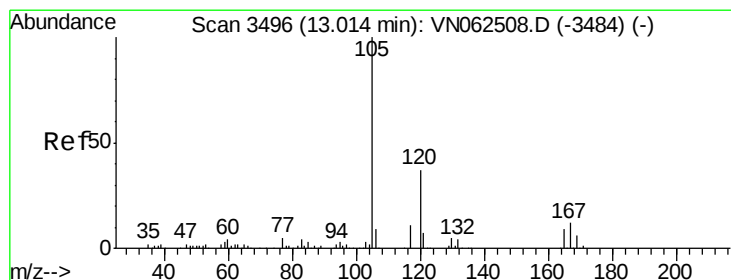
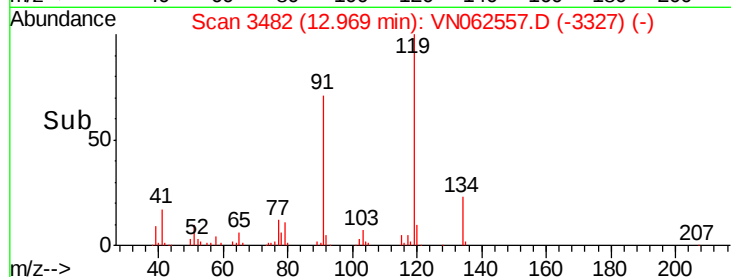
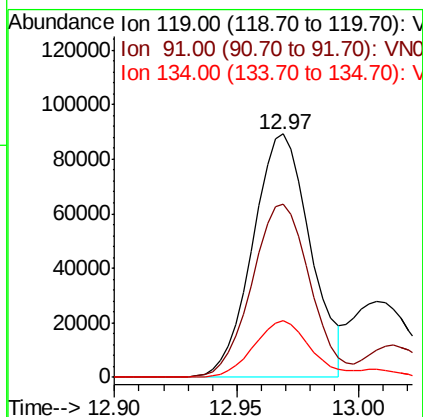
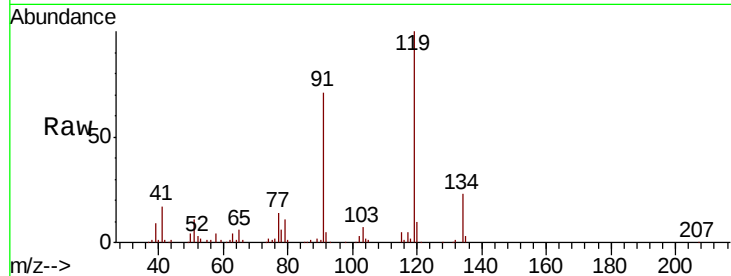




#79
tert-butylbenzene
Concen: 19.871 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

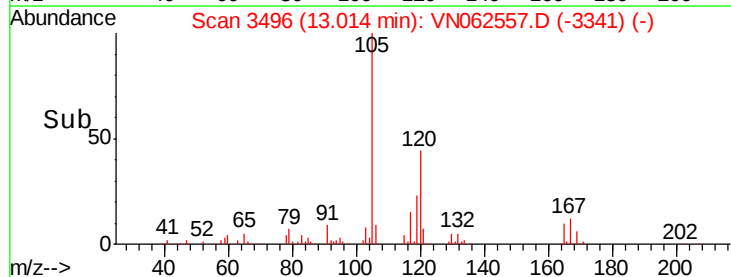
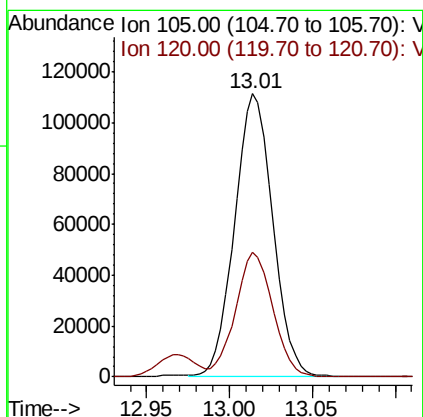
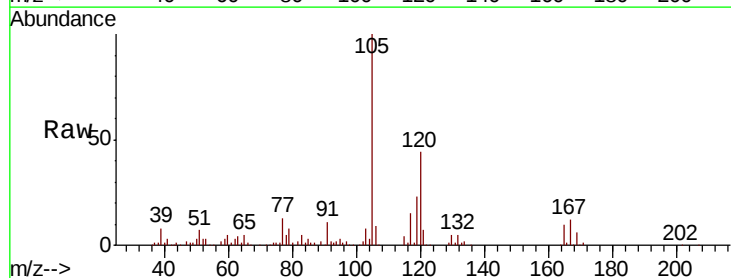
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBSD01

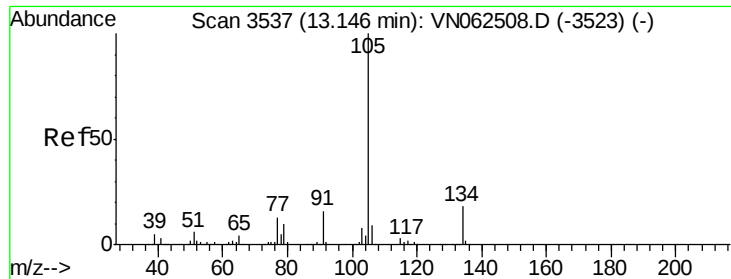
Tot Ion:119 Resp: 146503
Ion Ratio Lower Upper
119 100
91 72.0 0.0 139.8
134 22.7 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 20.261 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062557.D
Acq: 20 Jul 2020 13:17

Tgt Ion:105 Resp: 177423
Ion Ratio Lower Upper
105 100
120 43.3 0.0 86.6

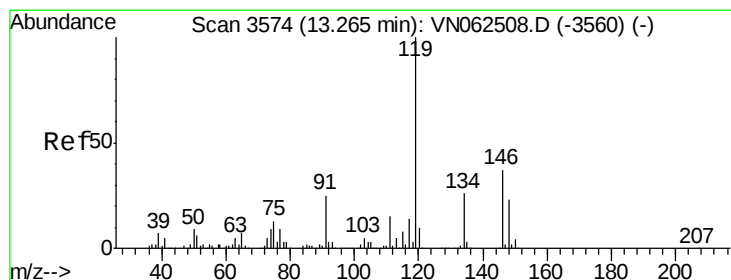
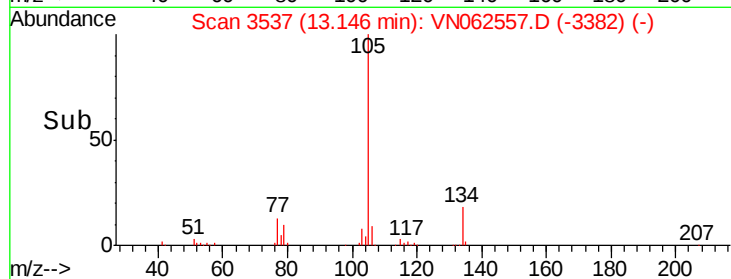
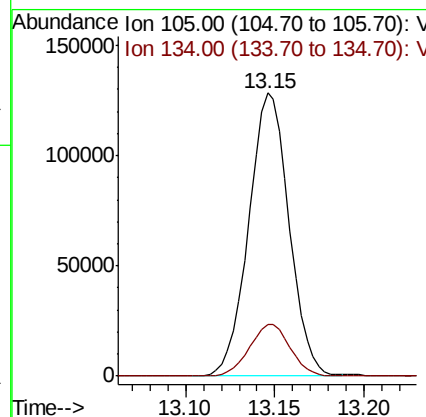
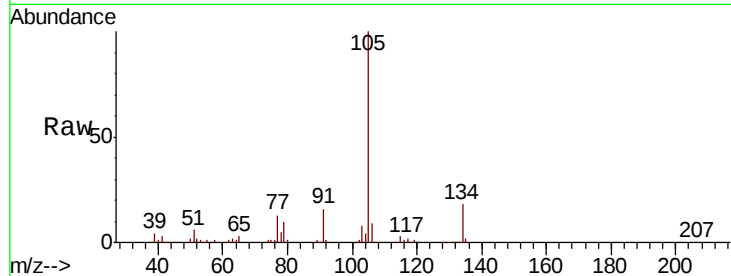




#81
 sec-Butylbenzene
 Concen: 20.377 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

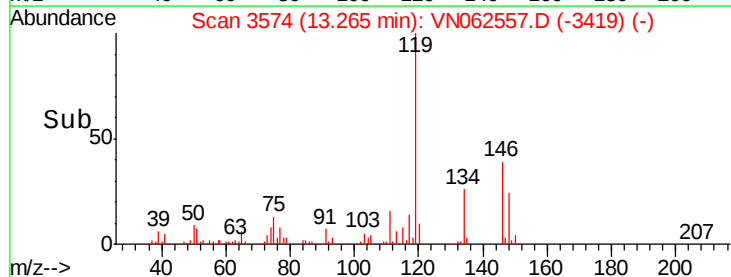
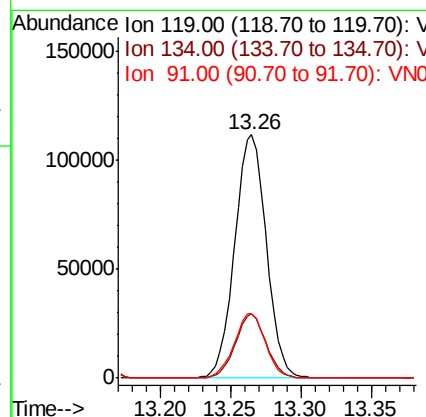
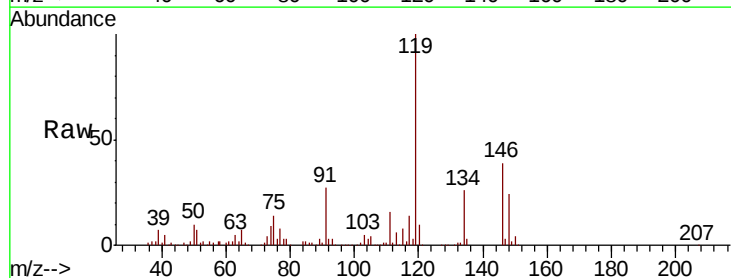
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0720WBSD01

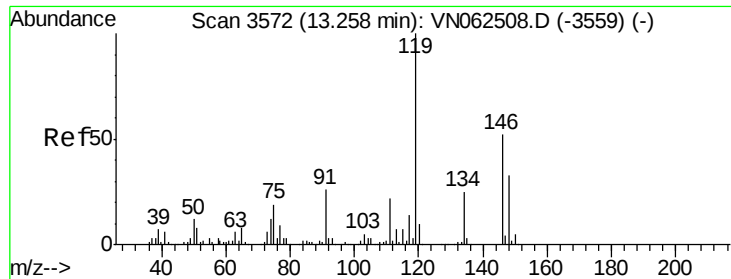
Tot Ion:105 Resp: 201759
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 37.2



#82
 p-Isopropyltoluene
 Concen: 20.104 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion:119 Resp: 175657
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 50.8
 91 26.3 0.0 51.2

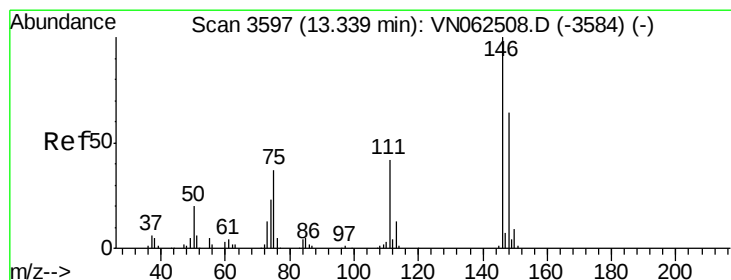
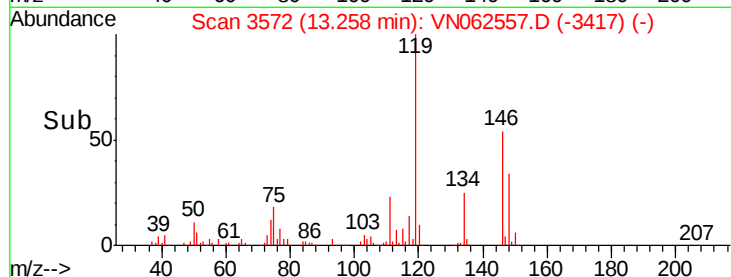
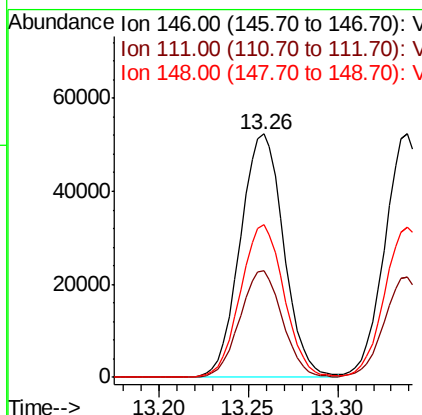
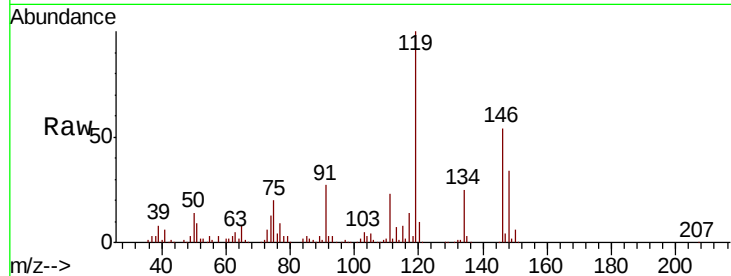




#83
 1,3-Dichlorobenzene
 Concen: 21.182 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

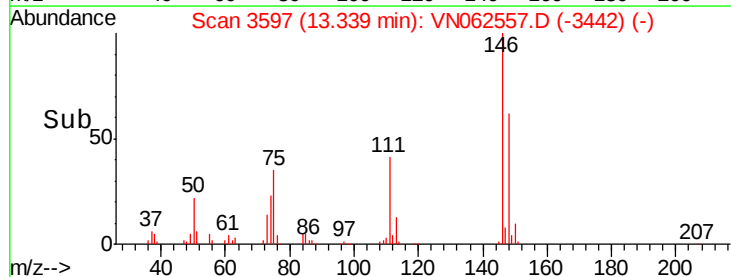
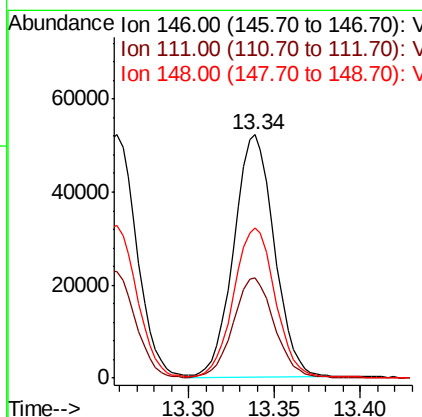
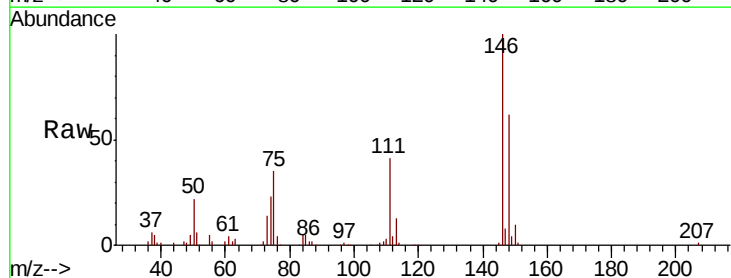
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

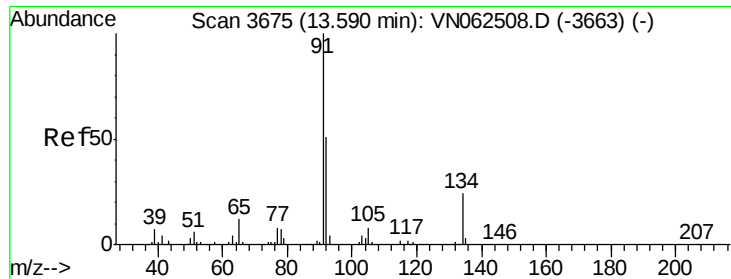
Tot Ion:146 Resp: 89025
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.0 63.0
 148 62.8 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 20.606 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion:146 Resp: 85458
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.4 64.2
 148 63.0 32.4 97.2





#85

n-Butylbenzene

Concen: 19.646 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

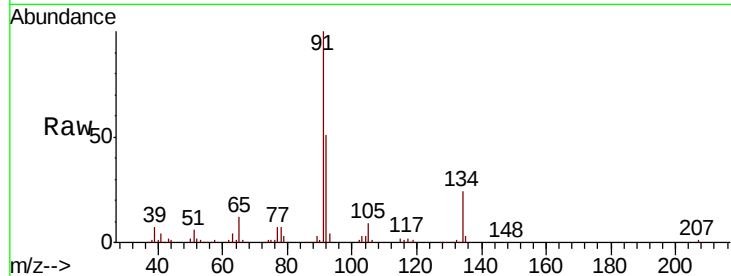
Tot Ion: 91 Resp: 147252

Ion Ratio Lower Upper

91 100

92 50.6 0.0 102.4

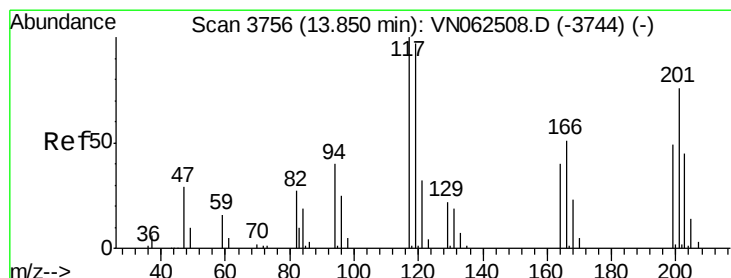
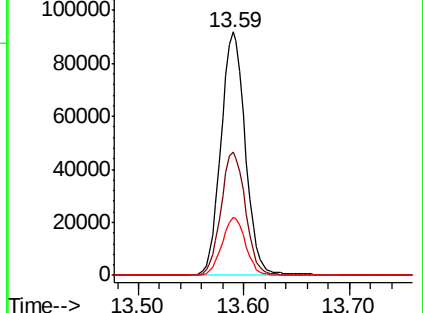
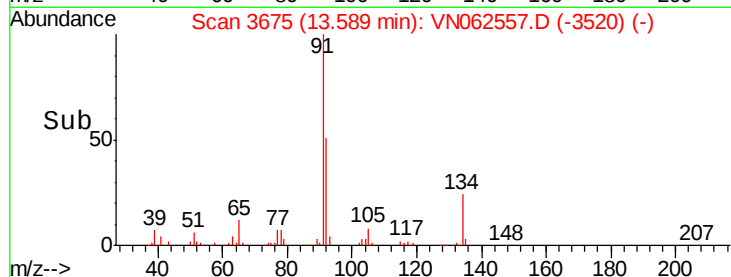
134 22.7 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN062508.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN062508.D (-3663) (-)



#86

Hexachloroethane

Concen: 20.120 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062557.D

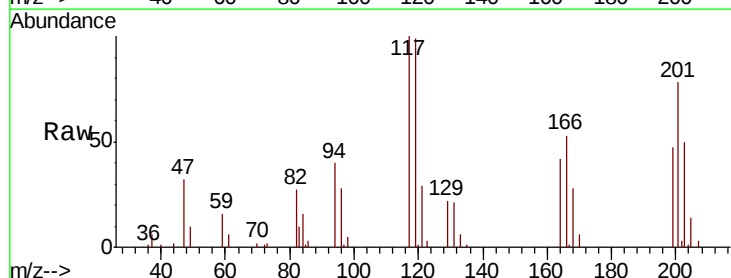
Acq: 20 Jul 2020 13:17

Tgt Ion: 117 Resp: 33923

Ion Ratio Lower Upper

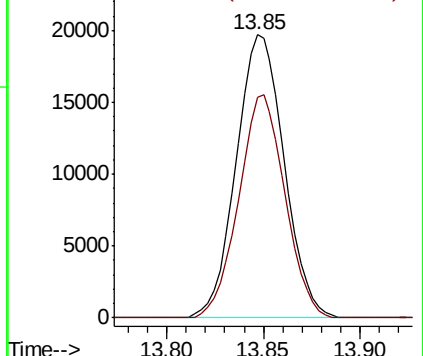
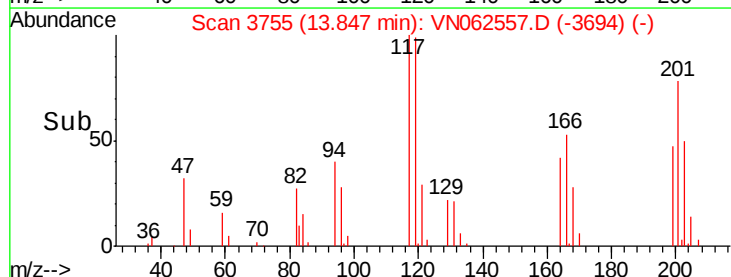
117 100

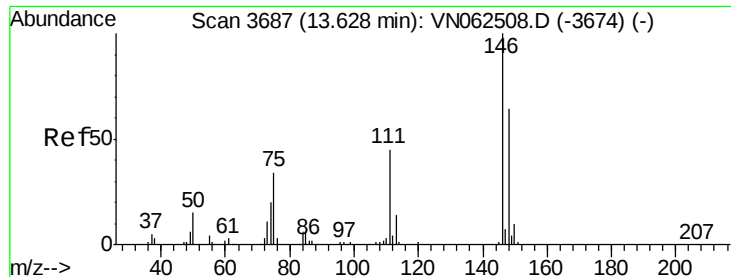
201 75.9 37.4 112.2



Abundance Ion 117.00 (116.70 to 117.70): VN062508.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN062508.D (-3744) (-)





#87

1,2-Dichlorobenzene

Concen: 21.416 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

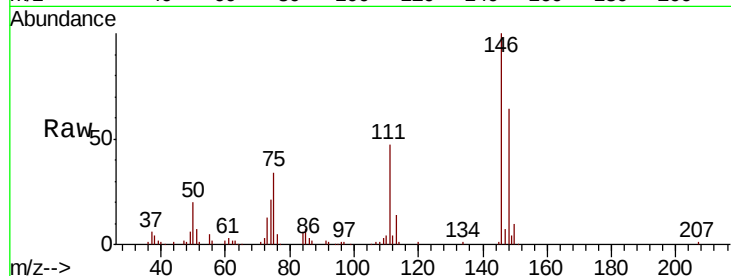
Tot Ion:146 Resp: 86553

Ion Ratio Lower Upper

146 100

111 45.3 22.4 67.0

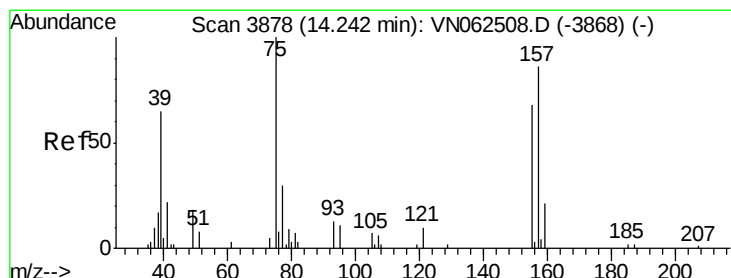
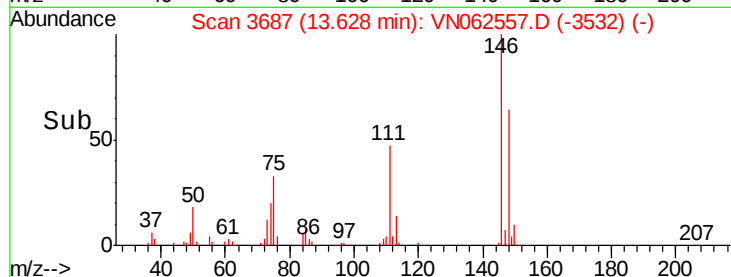
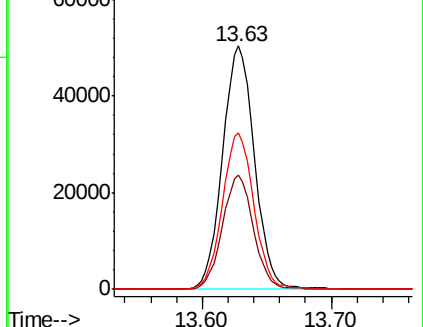
148 63.3 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 22.165 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

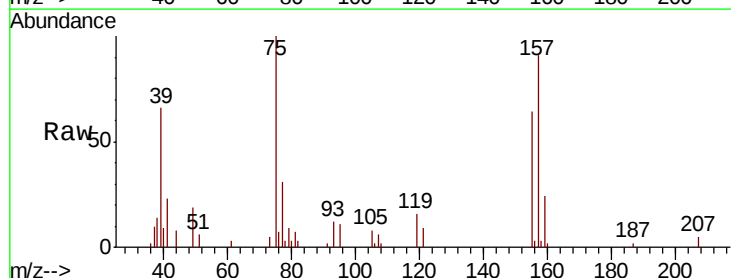
Tgt Ion: 75 Resp: 14137

Ion Ratio Lower Upper

75 100

155 69.7 55.7 83.5

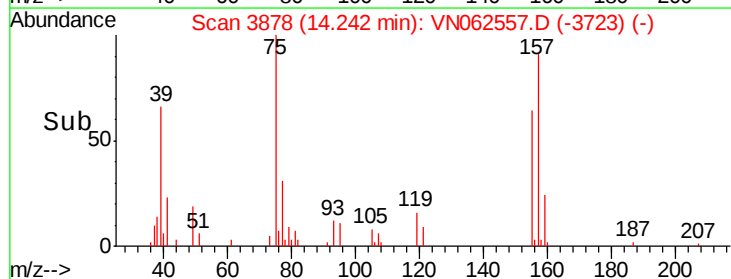
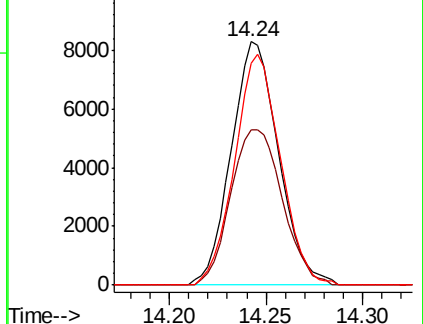
157 91.3 71.0 106.6

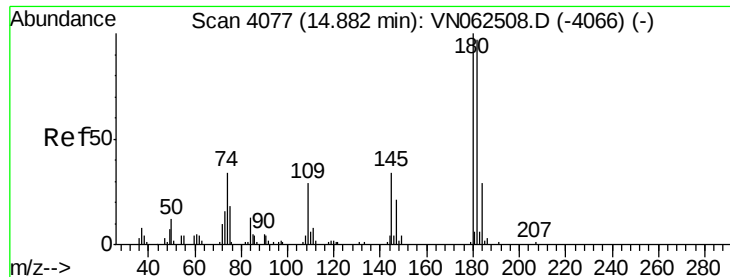


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

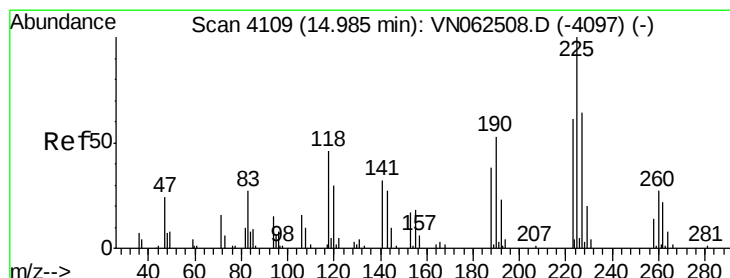
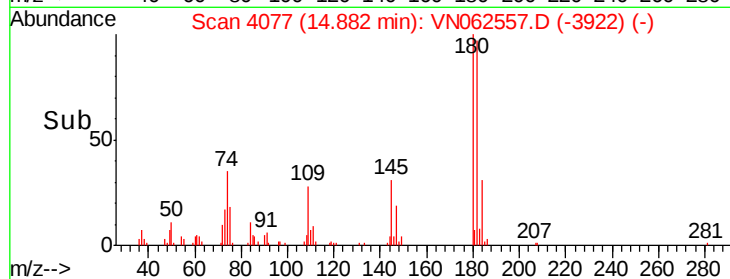
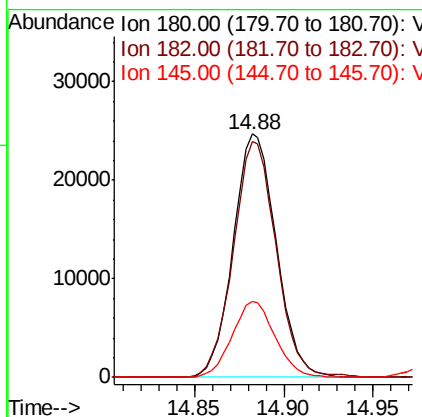
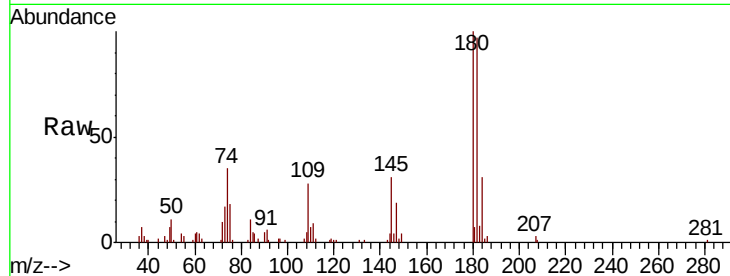




#89
 1,2,4-Trichlorobenzene
 Concen: 20.594 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

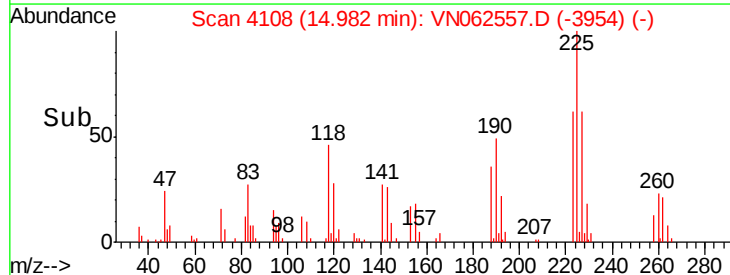
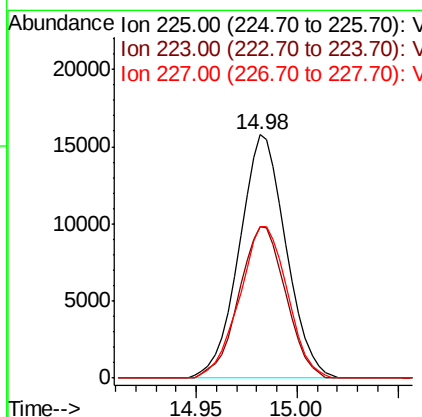
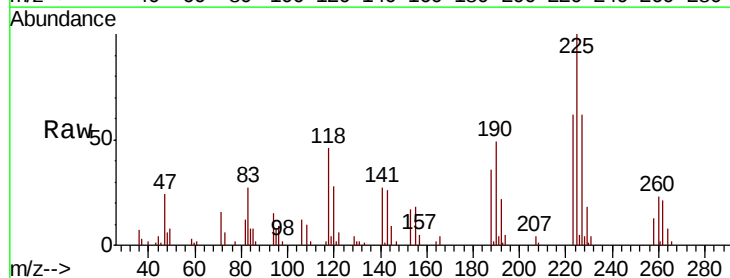
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

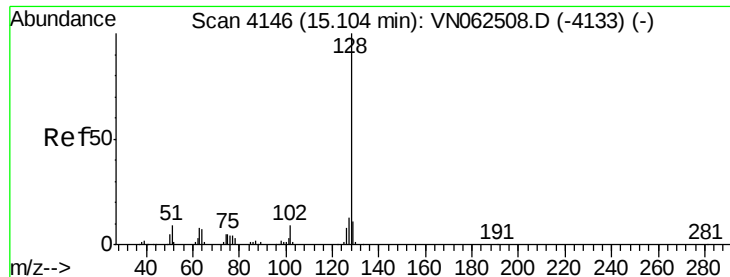
Tot Ion:180 Resp: 41435
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.5 116.3
 145 31.1 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 22.911 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062557.D
 Acq: 20 Jul 2020 13:17

Tgt Ion:225 Resp: 25566
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 120.4
 227 63.8 0.0 129.6





#91

Naphthalene

Concen: 20.215 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBSD01

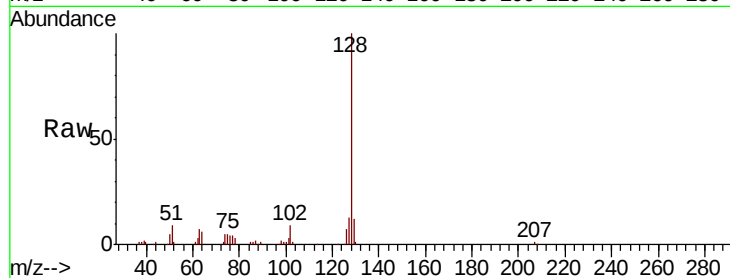
Tot Ion:128 Resp: 110272

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.9 8.8 13.2

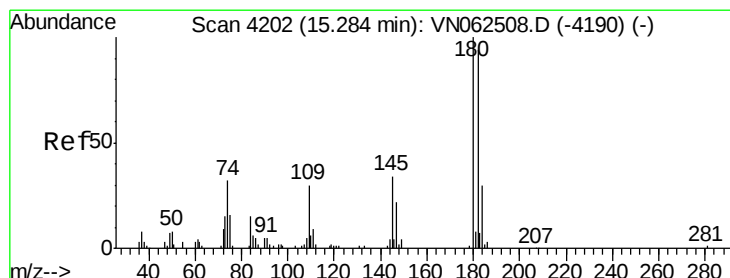
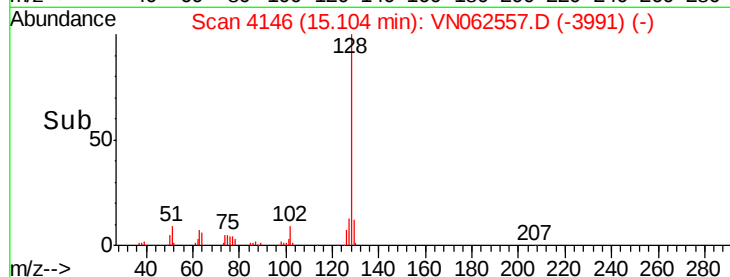
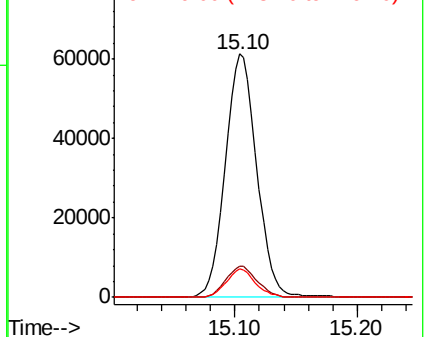


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 21.409 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062557.D

Acq: 20 Jul 2020 13:17

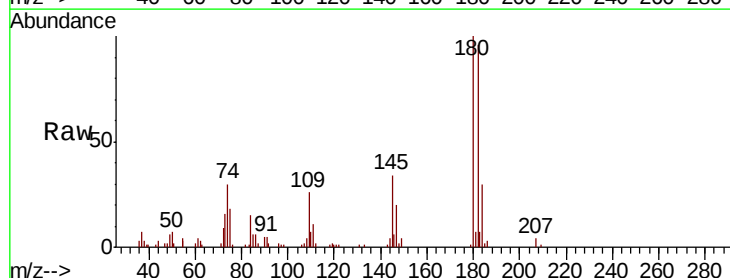
Tgt Ion:180 Resp: 43412

Ion Ratio Lower Upper

180 100

182 96.7 0.0 187.2

145 34.5 0.0 67.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

