

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060420\
 Data File : VN061650.D
 Acq On : 4 Jun 2020 14:04
 Operator : JC/MD
 Sample : VN0604WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604WBSD01

Quant Time: Jun 05 07:55:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	365079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	571010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	535012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	270537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	183279	42.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.28%	
35) Dibromofluoromethane	7.55	113	153195	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
50) Toluene-d8	10.06	98	639594	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.37	95	234477	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78339	19.306	ug/l	99
3) Chloromethane	2.03	50	71048	15.956	ug/l	99
4) Vinyl Chloride	2.16	62	95439	15.641	ug/l	98
5) Bromomethane	2.54	94	57466	16.412	ug/l	96
6) Chloroethane	2.67	64	59659	15.190	ug/l	100
7) Trichlorofluoromethane	2.98	101	127562	16.211	ug/l	99
8) Diethyl Ether	3.37	74	38931	16.180	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	61859	17.716	ug/l	93
10) Methyl Iodide	3.91	142	89855	18.537	ug/l	96
11) Tert butyl alcohol	4.73	59	42353	73.204	ug/l	99
12) 1,1-Dichloroethene	3.69	96	61510	16.489	ug/l	92
13) Acrolein	3.56	56	16651m	78.302	ug/l	
14) Allyl chloride	4.27	41	73083	14.985	ug/l	96
15) Acrylonitrile	4.93	53	120460	74.594	ug/l	98
16) Acetone	3.77	43	97289	76.863	ug/l	96
17) Carbon Disulfide	4.01	76	143519	17.487	ug/l	99
18) Methyl Acetate	4.27	43	58172	14.773	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	200241	15.750	ug/l	97
20) Methylene Chloride	4.50	84	68282	16.091	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	68016	16.167	ug/l	94
22) Diisopropyl ether	5.90	45	166845	15.522	ug/l	98
23) Vinyl Acetate	5.84	43	612722	71.519	ug/l	98
24) 1,1-Dichloroethane	5.80	63	108022	15.848	ug/l	99
25) 2-Butanone	6.78	43	143622	69.671	ug/l	96
26) 2,2-Dichloropropane	6.78	77	100924	16.177	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	80497	16.898	ug/l	97
28) Bromochloromethane	7.15	49	47745	17.759	ug/l	92
29) Tetrahydrofuran	7.17	42	94268	69.348	ug/l	99
30) Chloroform	7.33	83	123367	16.360	ug/l	100
31) Cyclohexane	7.61	56	95209	15.531	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	110063	16.018	ug/l	99
36) 1,1-Dichloropropene	7.75	75	86378	17.088	ug/l	97
37) Ethyl Acetate	6.88	43	63589	15.618	ug/l	98
38) Carbon Tetrachloride	7.73	117	85467	17.529	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	99547	15.977	ug/l	98
40) Benzene	8.00	78	266747	17.103	ug/l	100
41) Methacrylonitrile	7.12	41	31536m	16.906	ug/l	
42) 1,2-Dichloroethane	8.09	62	87677	16.791	ug/l	100
43) Isopropyl Acetate	8.12	43	110997	15.153	ug/l #	91
44) Trichloroethene	8.80	130	87581	18.272	ug/l	96
45) 1,2-Dichloropropane	9.08	63	64736	17.480	ug/l	99
46) Dibromomethane	9.17	93	46908	16.515	ug/l	96
47) Bromodichloromethane	9.37	83	95470	16.965	ug/l	100
48) Methyl methacrylate	9.17	41	48878	14.831	ug/l	95
49) 1,4-Dioxane	9.17	88	19099	374.092	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	319480	77.398	ug/l	100
52) Toluene	10.12	92	179940	17.676	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	101079	16.673	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	110028	16.880	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	68911	16.991	ug/l	99
56) Ethyl methacrylate	10.40	69	98036	17.304	ug/l	97
57) 1,3-Dichloropropane	10.68	76	113884	17.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	186419	76.998	ug/l	99
59) 2-Hexanone	10.72	43	222340	75.002	ug/l	99
60) Dibromochloromethane	10.87	129	78567	17.040	ug/l	100
61) 1,2-Dibromoethane	10.98	107	72936	17.243	ug/l	100
64) Tetrachloroethene	10.60	164	92586	18.384	ug/l	98
65) Chlorobenzene	11.41	112	202541	18.213	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	73833	17.830	ug/l	97
67) Ethyl Benzene	11.48	91	350757	18.248	ug/l	97
68) m/p-Xylenes	11.59	106	279259	36.642	ug/l	97
69) o-Xylene	11.92	106	136425	18.846	ug/l	99
70) Styrene	11.94	104	221080	18.442	ug/l	99
71) Bromoform	12.10	173	51386	16.104	ug/l #	99
73) Isopropylbenzene	12.22	105	357309	18.096	ug/l	100
74) N-amyl acetate	12.05	43	126406m	20.328	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.48	83	98798	17.855	ug/l	93
76) 1,2,3-Trichloropropane	12.53	75	83675m	17.009	ug/l	
77) Bromobenzene	12.50	156	96578	19.161	ug/l	87
78) n-propylbenzene	12.56	91	391885	17.778	ug/l	100
79) 2-Chlorotoluene	12.65	91	232160	17.663	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	294427	17.840	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	26226	13.633	ug/l	92
82) 4-Chlorotoluene	12.75	91	236598	17.110	ug/l	98
83) tert-Butylbenzene	12.97	119	251105	17.220	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	295721	18.037	ug/l	99
85) sec-Butylbenzene	13.15	105	314459	16.736	ug/l	99
86) p-Isopropyltoluene	13.26	119	304155	17.577	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	163859	18.359	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	160218	17.621	ug/l	98
89) n-Butylbenzene	13.59	91	244619	16.878	ug/l	99
90) Hexachloroethane	13.85	117	36538	19.093	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	154041	18.060	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16267	14.415	ug/l	96

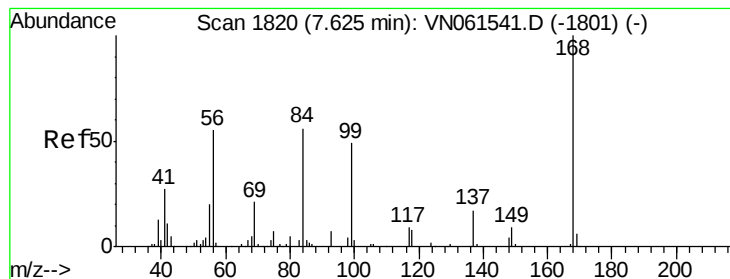
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060420\
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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	95960	19.237	ug/l	98
94) Hexachlorobutadiene	14.98	225	33489	15.741	ug/l	98
95) Naphthalene	15.10	128	290063	19.104	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	92106	18.780	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

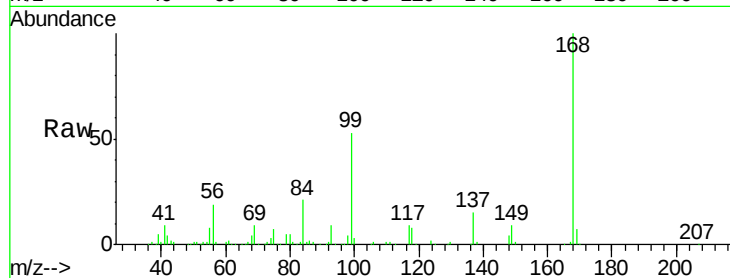
VN0604WBSD01

Tot Ion:168 Resp: 365079

Ion Ratio Lower Upper

168 100

99 52.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

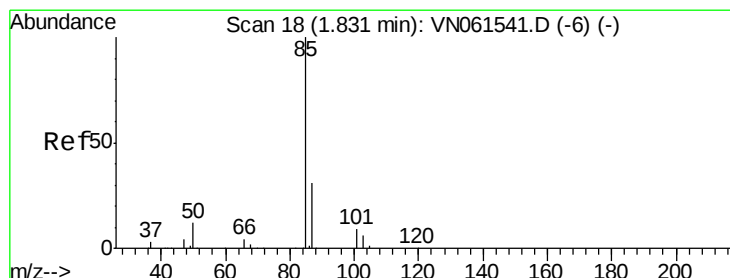
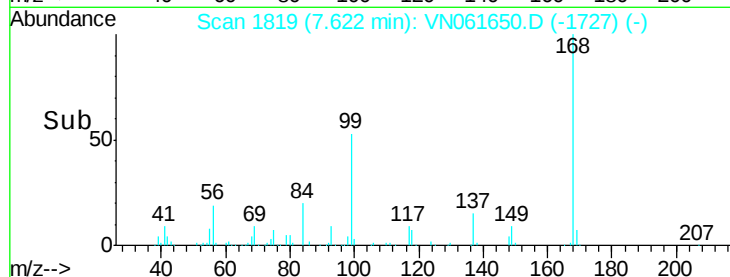
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.306 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061650.D

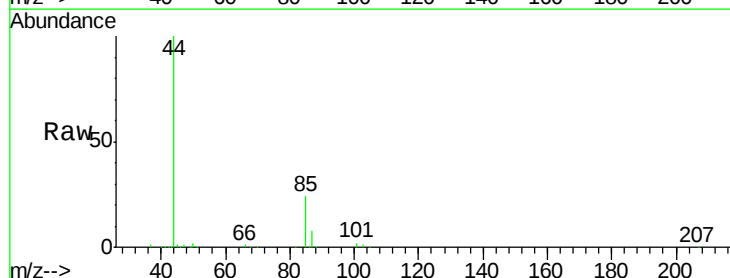
Acq: 4 Jun 2020 14:04

Tgt Ion: 85 Resp: 78339

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

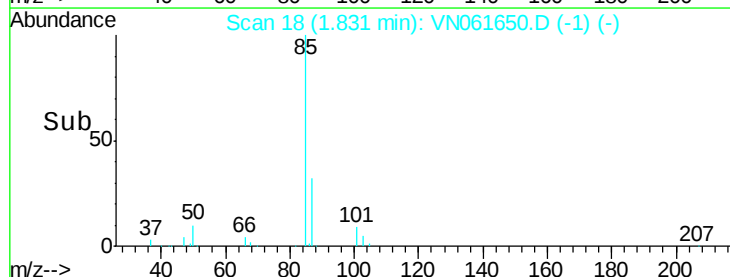
40000

20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.956 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

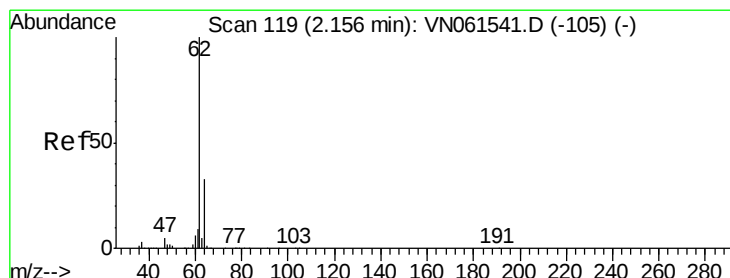
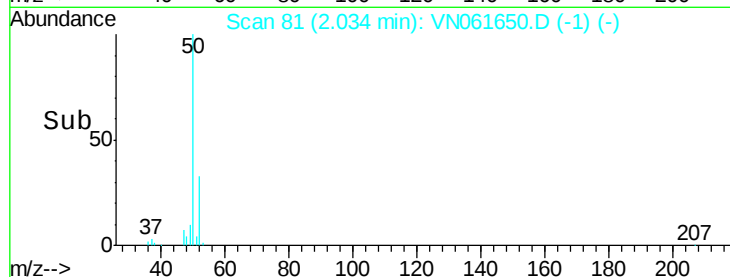
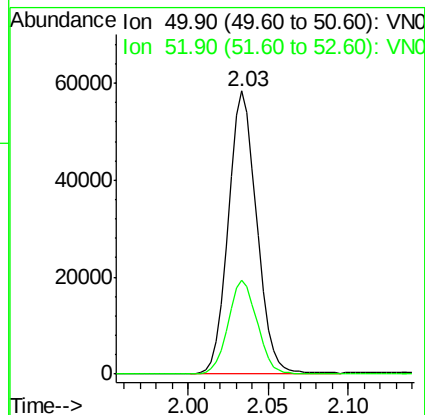
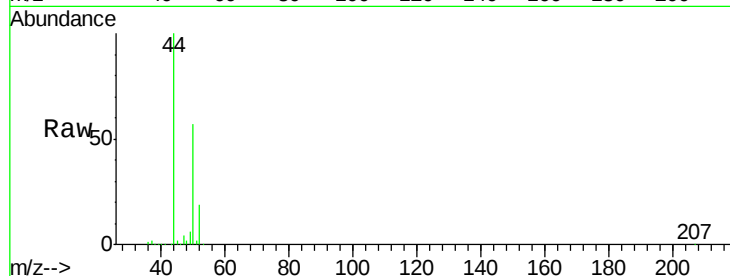
VN0604WBSD01

Tot Ion: 50 Resp: 71048

Ion Ratio Lower Upper

50 100

52 33.1 26.7 40.1



#4

Vinyl Chloride

Concen: 15.641 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061650.D

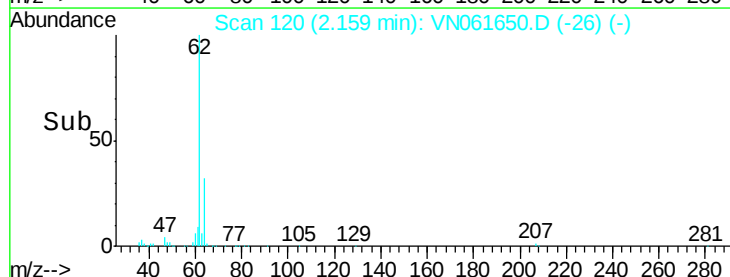
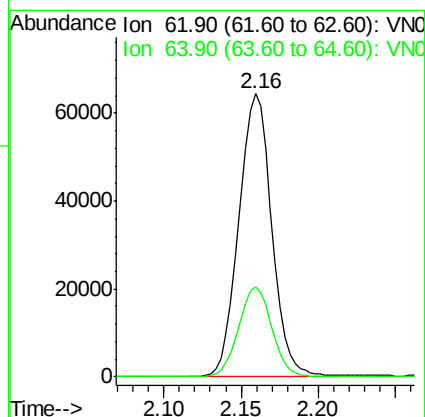
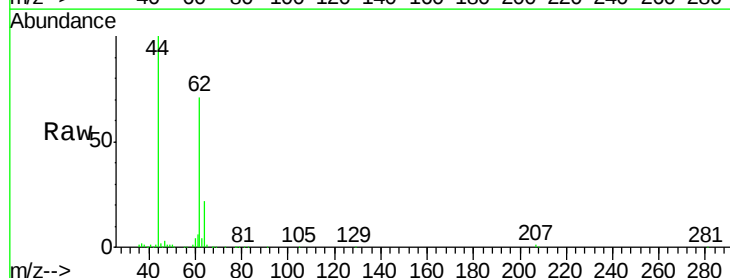
Acq: 4 Jun 2020 14:04

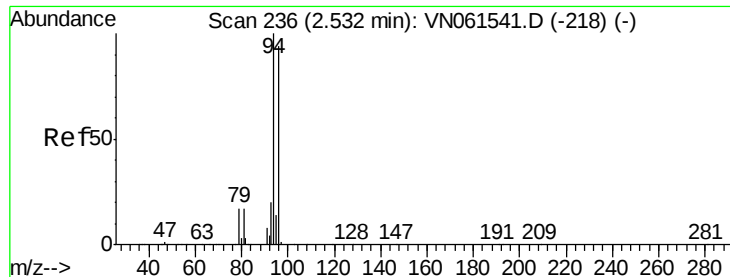
Tgt Ion: 62 Resp: 95439

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2





#5

Bromomethane

Concen: 16.412 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

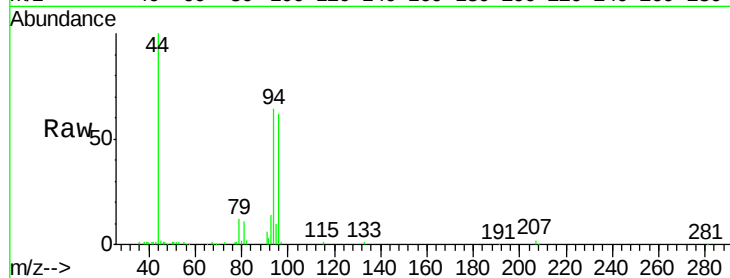
VN0604WBSD01

Tot Ion: 94 Resp: 57466

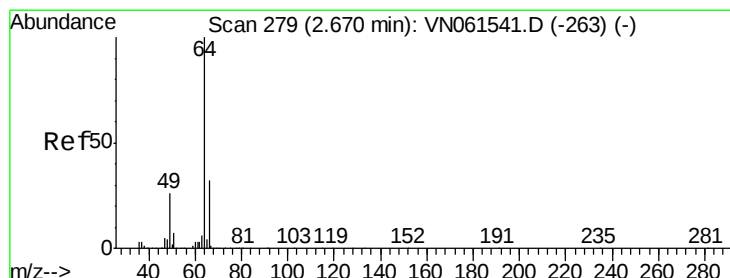
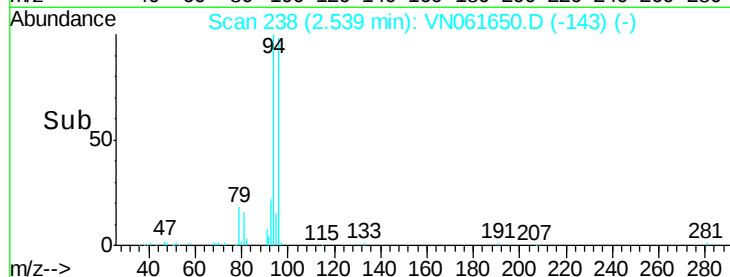
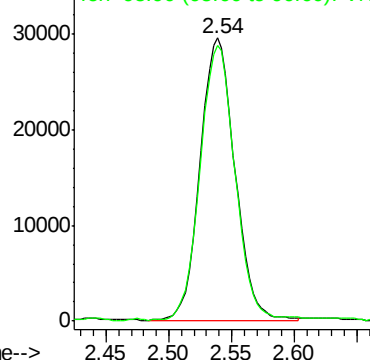
Ion Ratio Lower Upper

94 100

96 97.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 15.190 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061650.D

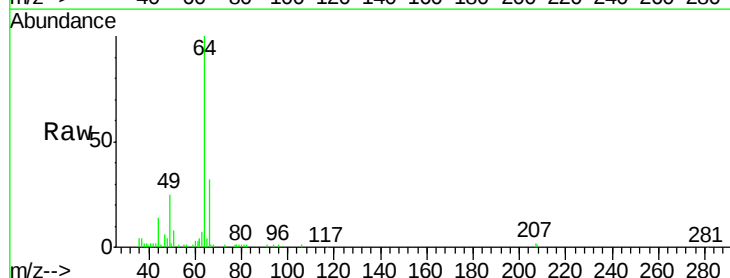
Acq: 4 Jun 2020 14:04

Tgt Ion: 64 Resp: 59659

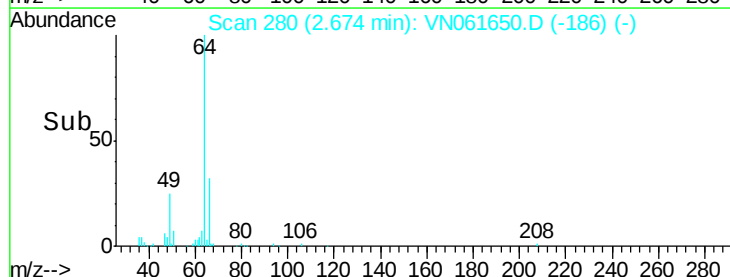
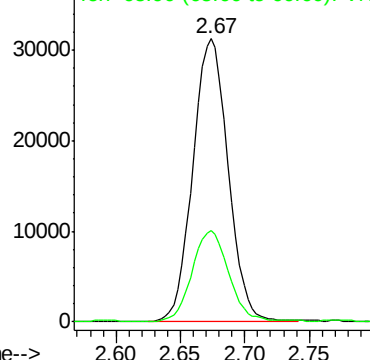
Ion Ratio Lower Upper

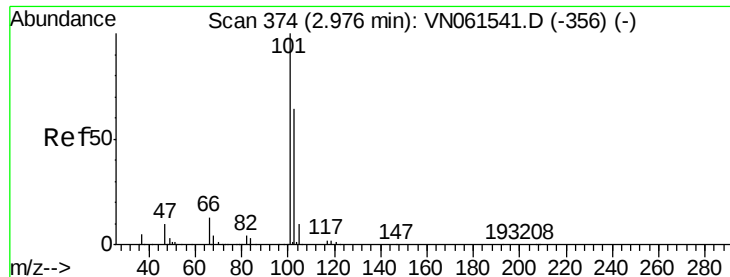
64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



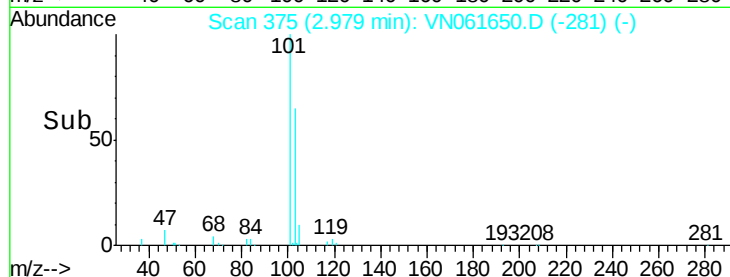
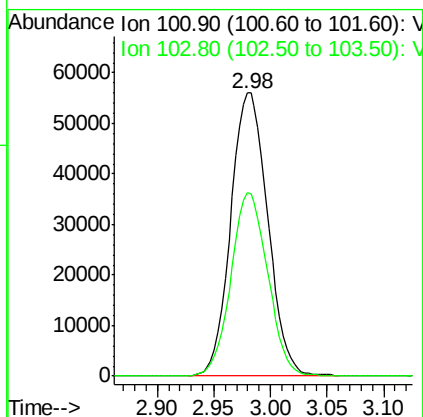
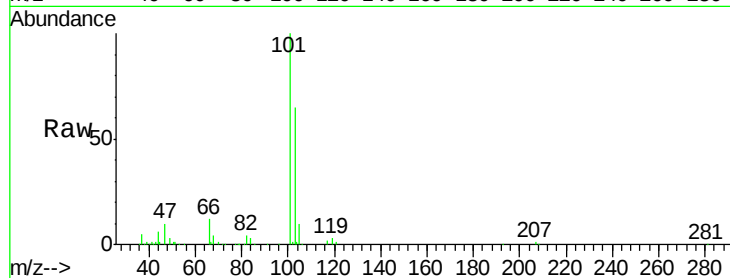


#7

Trichlorofluoromethane
 Concen: 16.211 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

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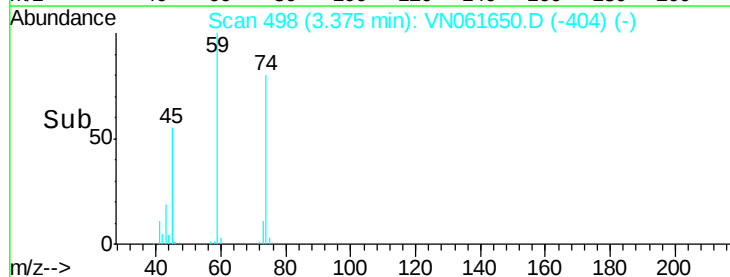
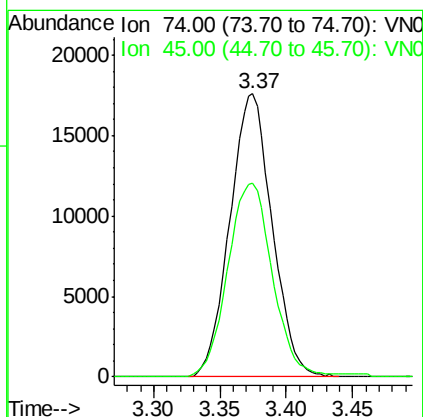
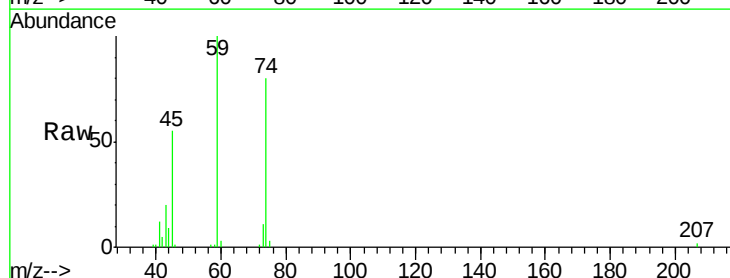
Tot Ion:101 Resp: 127562
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.2



#8

Diethyl Ether
 Concen: 16.180 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

Tgt Ion: 74 Resp: 38931
 Ion Ratio Lower Upper
 74 100
 45 72.4 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.716 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

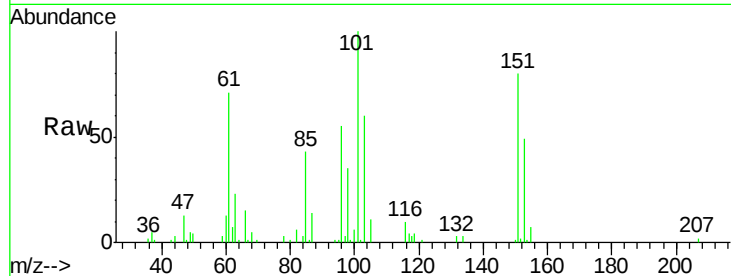
Tot Ion:101 Resp: 61859

Ion Ratio Lower Upper

101 100

85 42.5 35.2 52.8

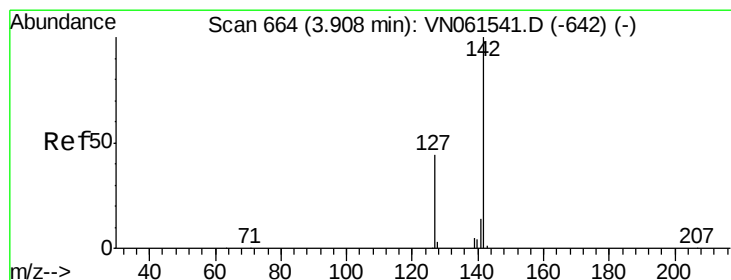
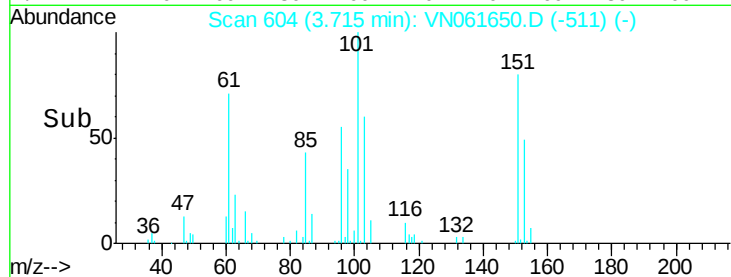
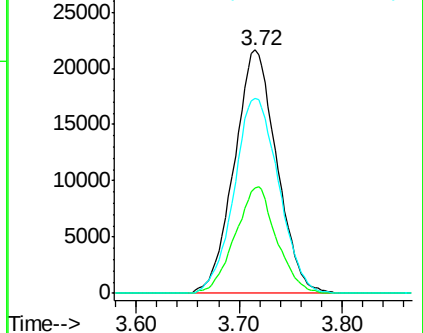
151 84.2 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.537 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

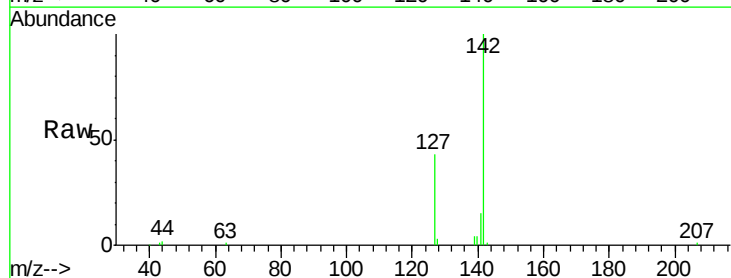
Tgt Ion:142 Resp: 89855

Ion Ratio Lower Upper

142 100

127 41.1 35.5 53.3

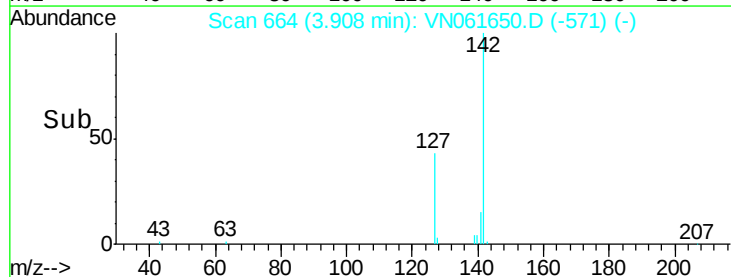
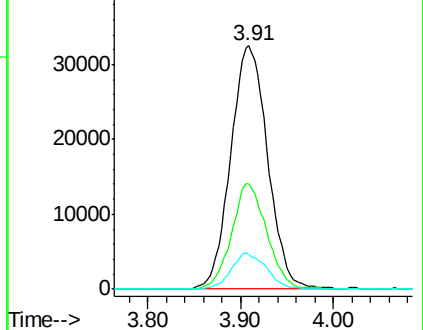
141 14.0 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 73.204 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

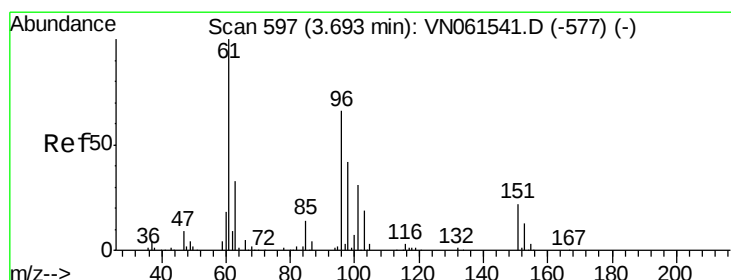
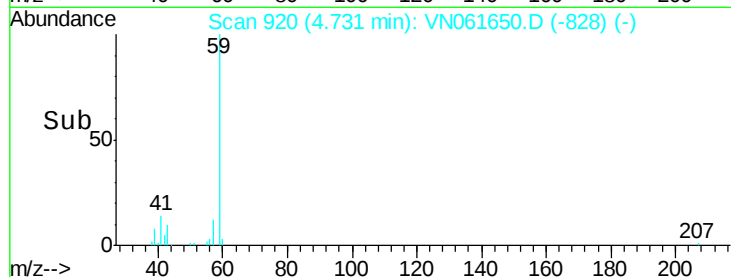
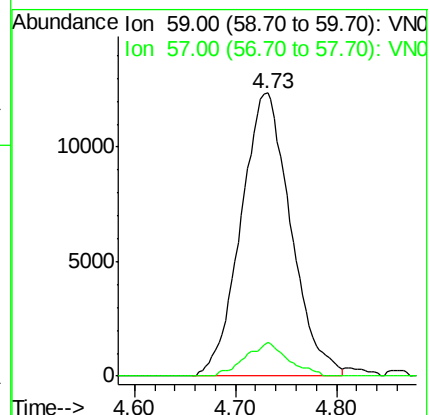
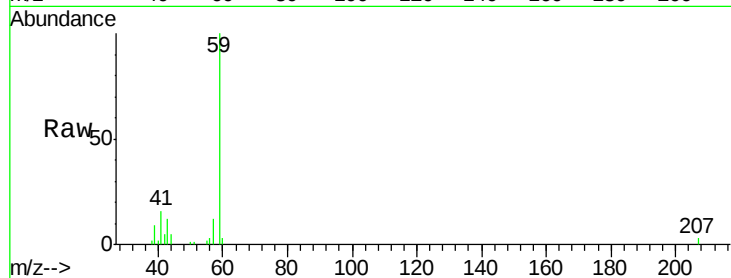
VN0604WBSD01

Tot Ion: 59 Resp: 42353

Ion Ratio Lower Upper

59 100

57 10.1 8.4 12.6



#12

1,1-Dichloroethene

Concen: 16.489 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

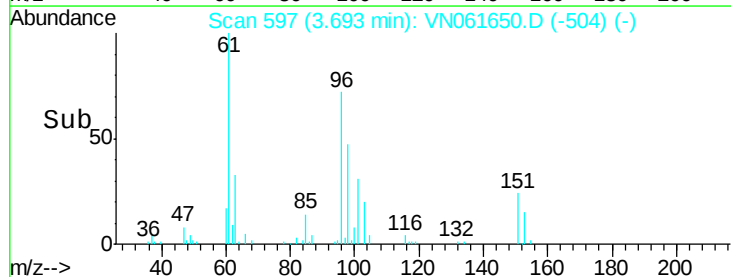
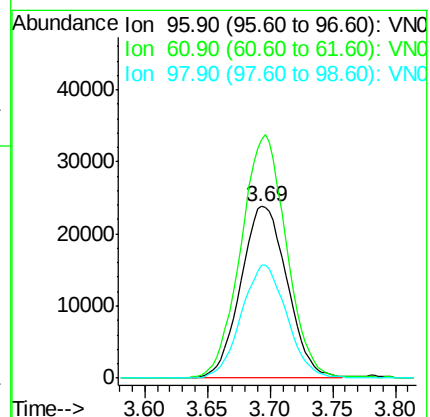
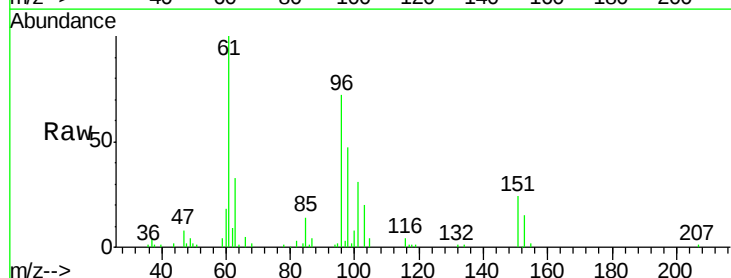
Tgt Ion: 96 Resp: 61510

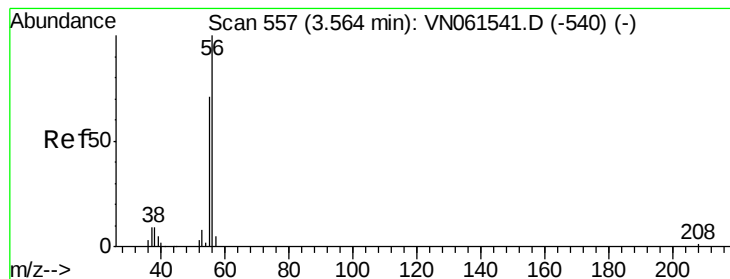
Ion Ratio Lower Upper

96 100

61 138.4 120.5 180.7

98 65.6 50.8 76.2





#13

Acrolein

Concen: 78.302 ug/l m

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

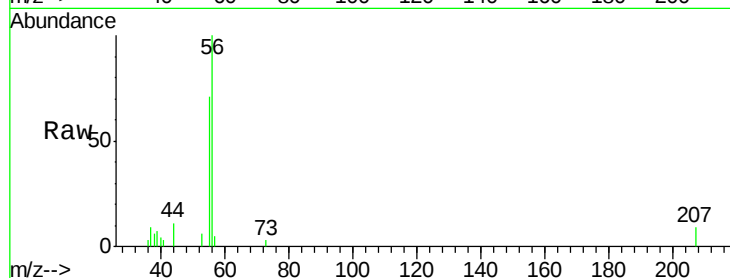
VN0604WBSD01

Tot Ion: 56 Resp: 16651

Ion Ratio Lower Upper

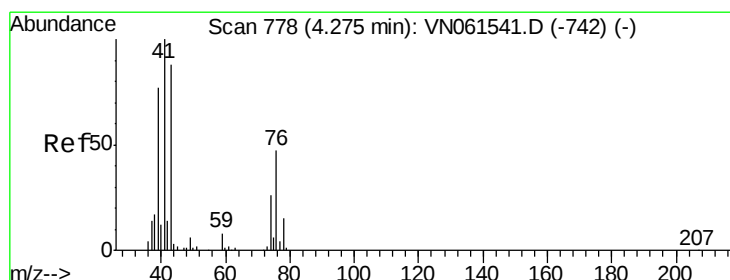
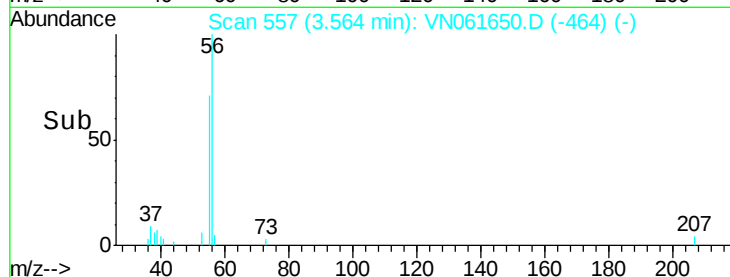
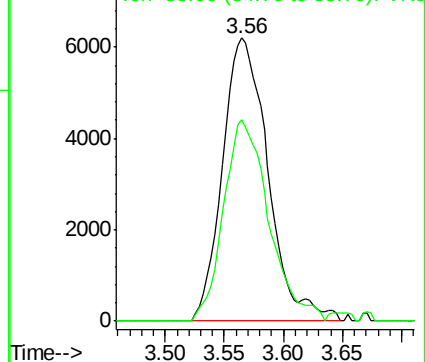
56 100

55 70.5 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 14.985 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

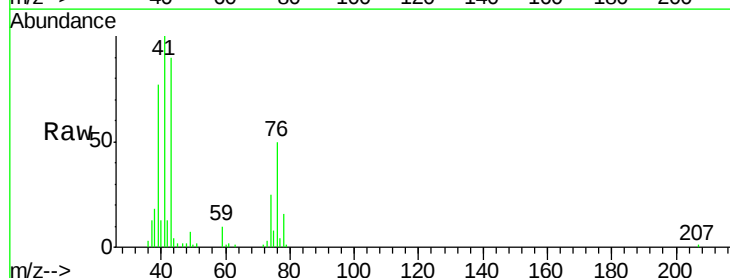
Tgt Ion: 41 Resp: 73083

Ion Ratio Lower Upper

41 100

39 70.1 58.6 88.0

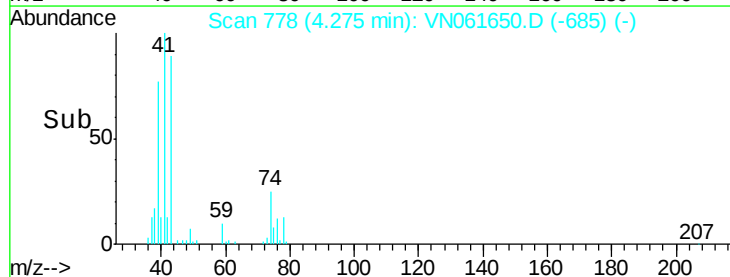
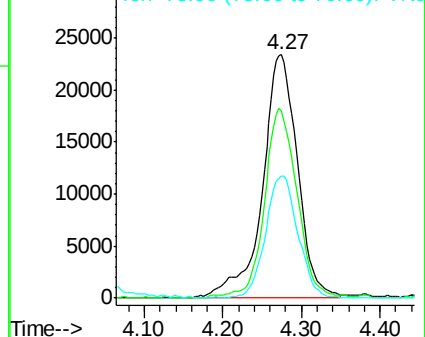
76 46.3 34.2 51.4

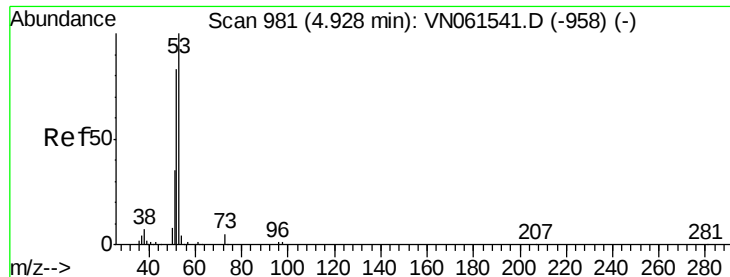


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 74.594 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

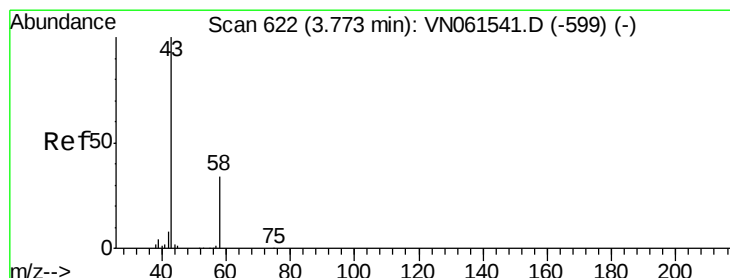
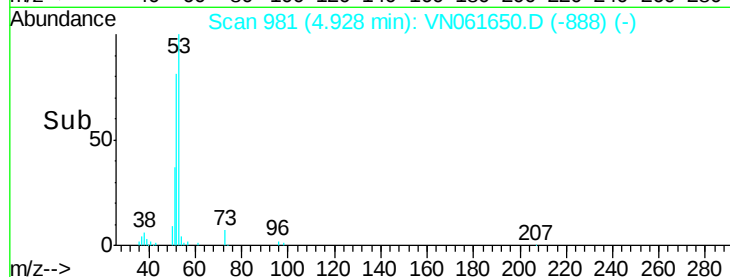
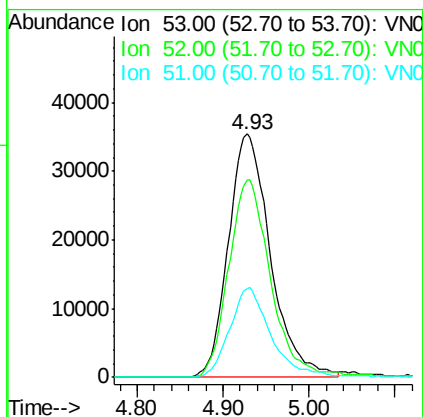
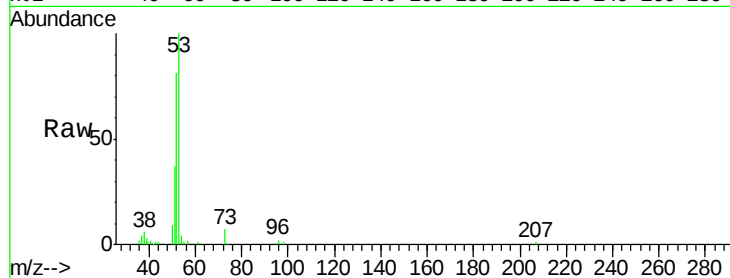
Tot Ion: 53 Resp: 120460

Ion Ratio Lower Upper

53 100

52 79.5 65.4 98.2

51 35.7 29.0 43.6



#16

Acetone

Concen: 76.863 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061650.D

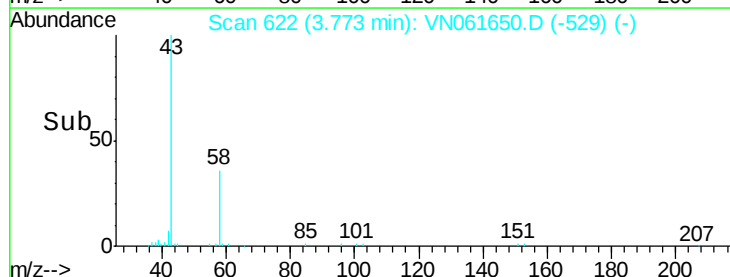
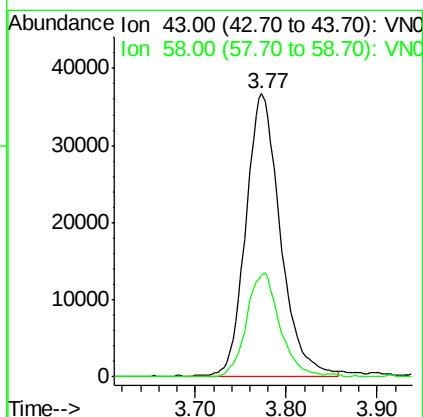
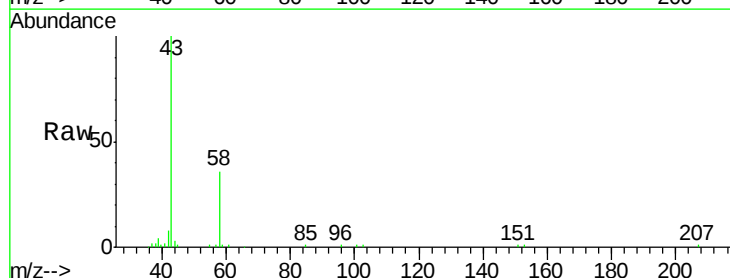
Acq: 4 Jun 2020 14:04

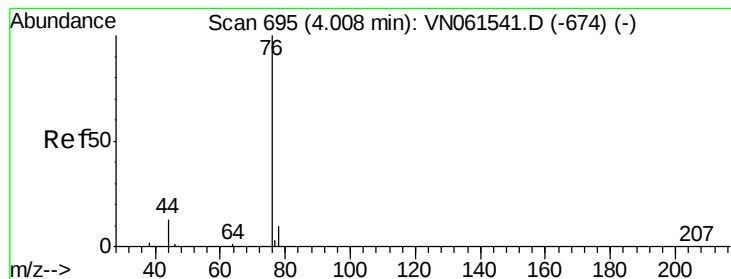
Tgt Ion: 43 Resp: 97289

Ion Ratio Lower Upper

43 100

58 36.1 27.2 40.8





#17

Carbon Disulfide

Concen: 17.487 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

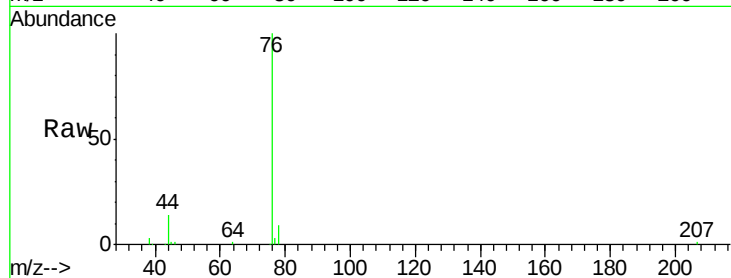
VN0604WBSD01

Tot Ion: 76 Resp: 143519

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061650.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN061650.D (-602) (-)

4.01

60000

50000

40000

30000

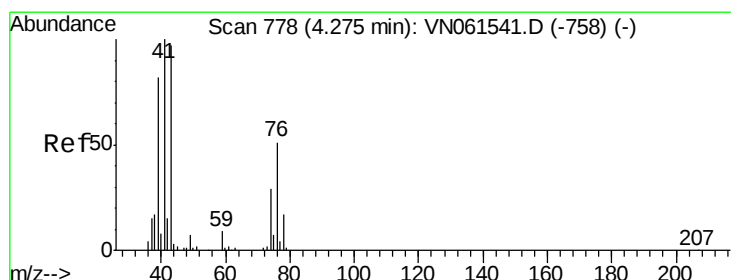
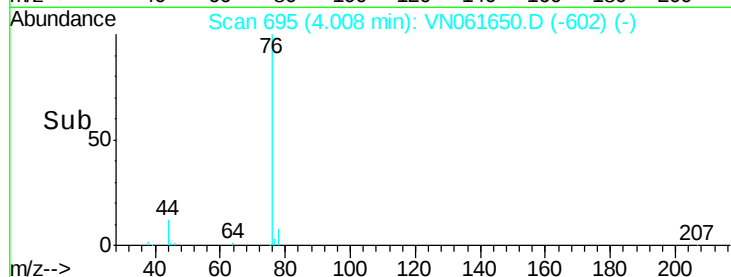
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 14.773 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061650.D

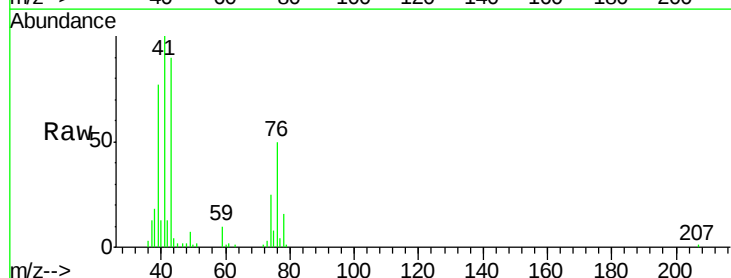
Acq: 4 Jun 2020 14:04

Tgt Ion: 43 Resp: 58172

Ion Ratio Lower Upper

43 100

74 30.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061650.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN061650.D (-685) (-)

4.27

25000

20000

15000

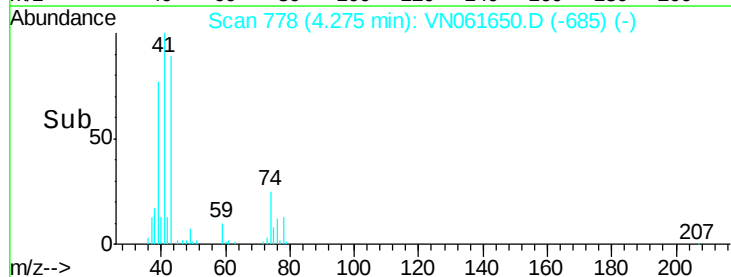
10000

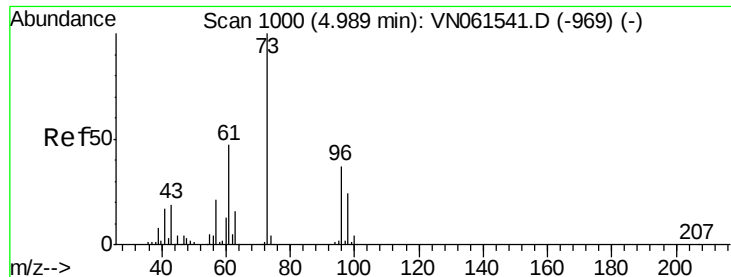
5000

0

Time-->

4.20 4.30 4.40

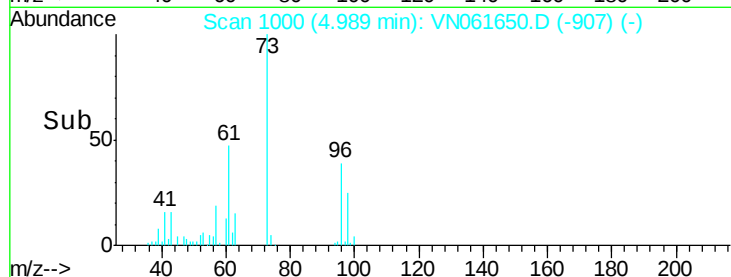
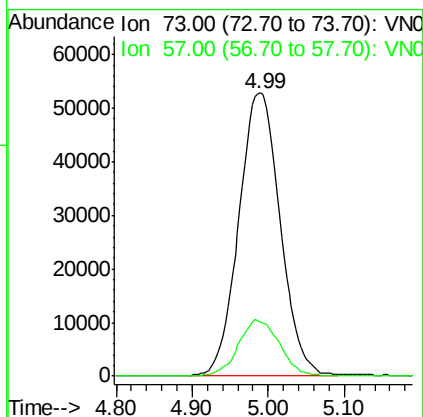
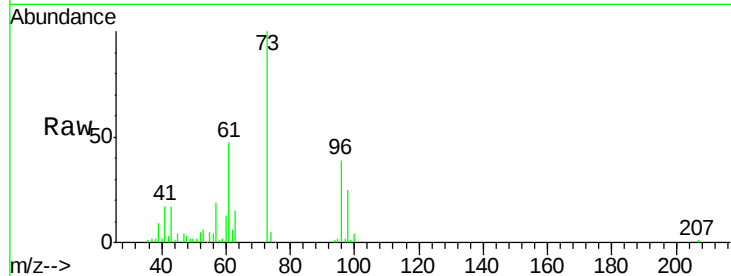




#19
Methvl tert-butvl Ether
Concen: 15.750 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

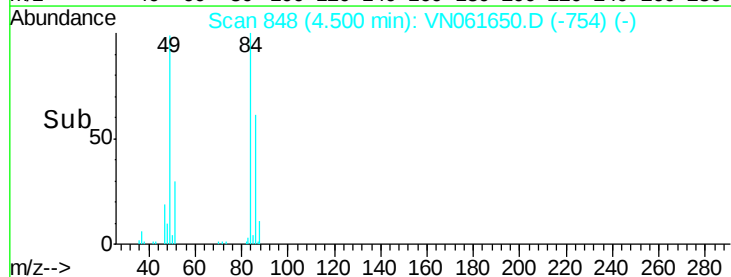
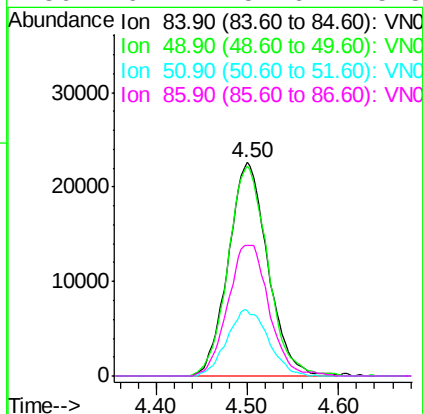
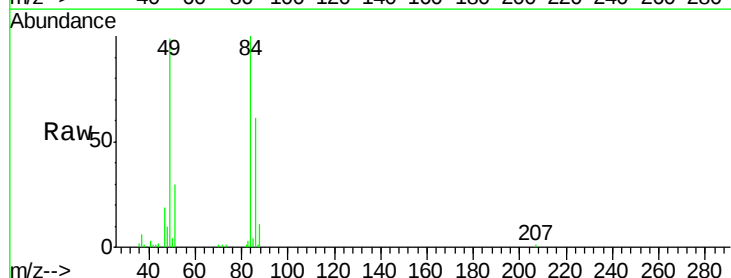
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

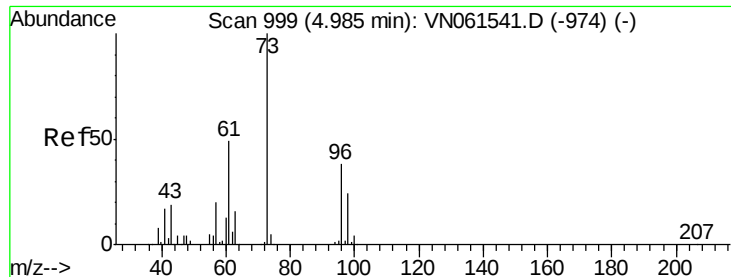
Tot Ion: 73 Resp: 200241
Ion Ratio Lower Upper
73 100
57 19.0 16.4 24.6



#20
Methylene Chloride
Concen: 16.091 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 84 Resp: 68282
Ion Ratio Lower Upper
84 100
49 98.5 85.8 128.8
51 30.4 26.2 39.2
86 61.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 16.167 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

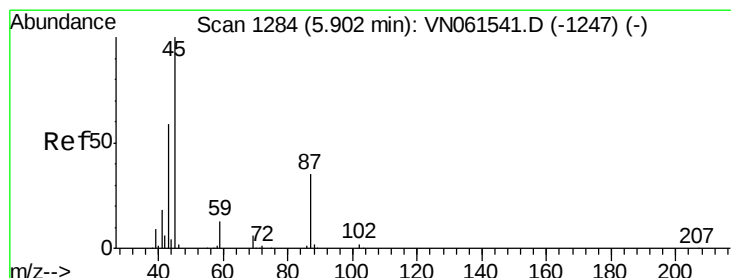
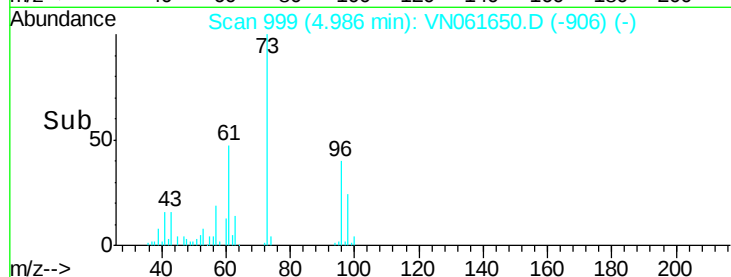
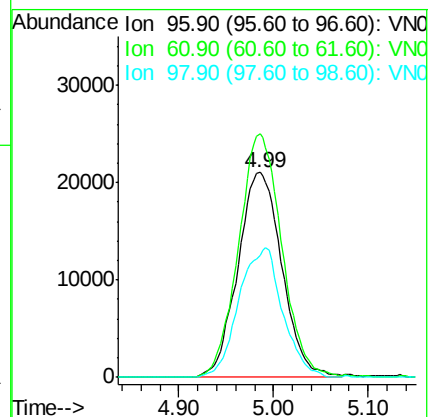
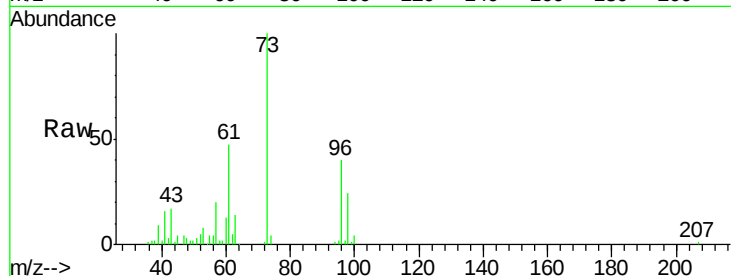
Tot Ion: 96 Resp: 68016

Ion Ratio Lower Upper

96 100

61 118.8 101.4 152.0

98 59.3 50.6 76.0



#22

Diisopropyl ether

Concen: 15.522 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Tgt Ion: 45 Resp: 166845

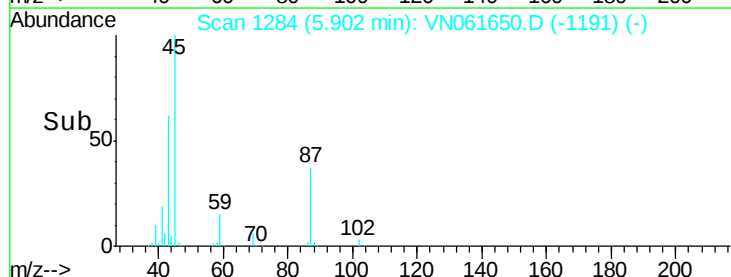
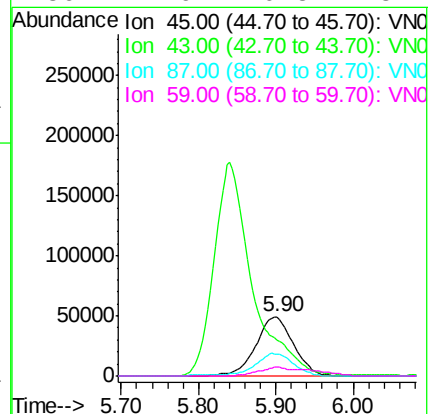
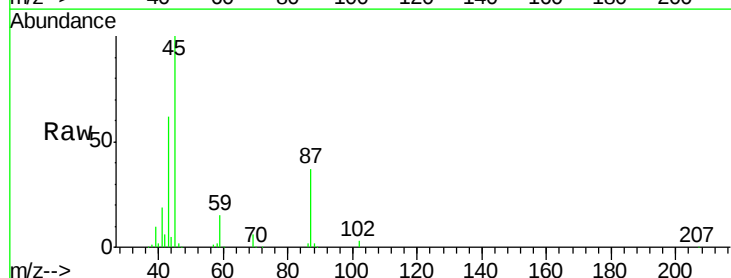
Ion Ratio Lower Upper

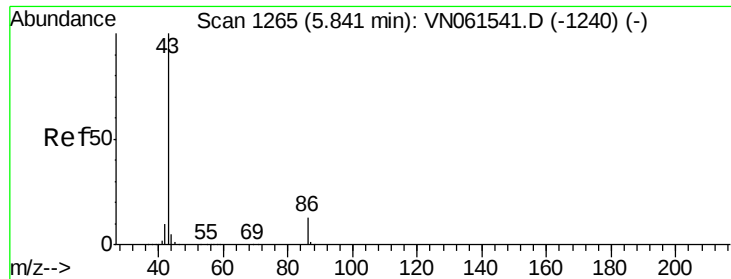
45 100

43 58.9 47.9 71.9

87 37.1 28.4 42.6

59 14.9 10.5 15.7





#23

Vinyl Acetate

Concen: 71.519 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

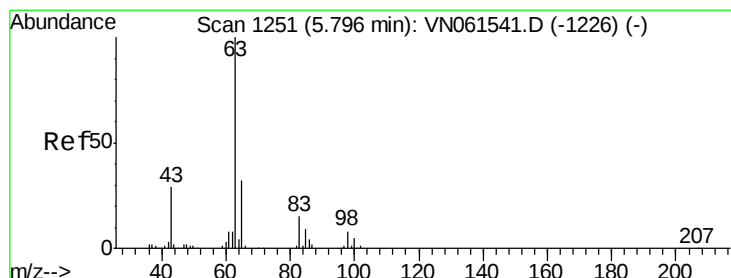
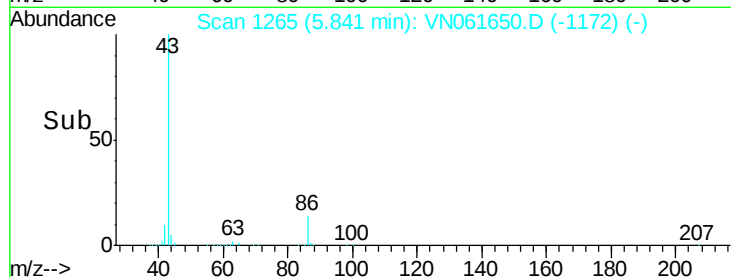
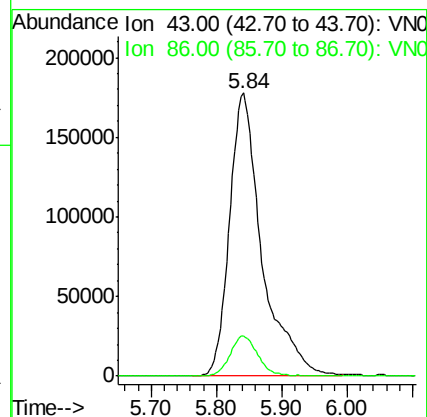
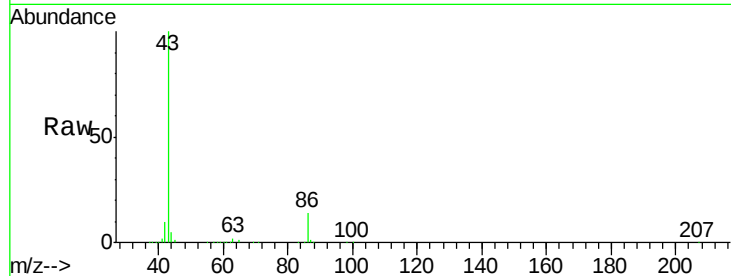
VN0604WBSD01

Tot Ion: 43 Resp: 612722

Ion Ratio Lower Upper

43 100

86 14.1 10.6 16.0



#24

1,1-Dichloroethane

Concen: 15.848 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

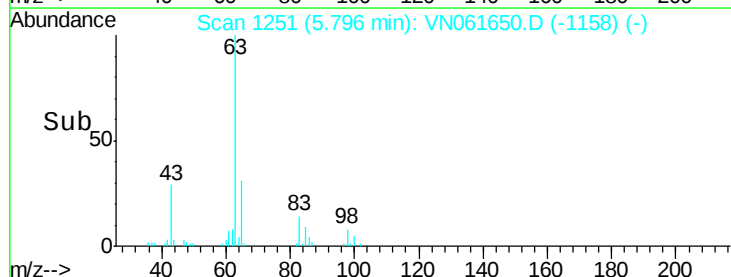
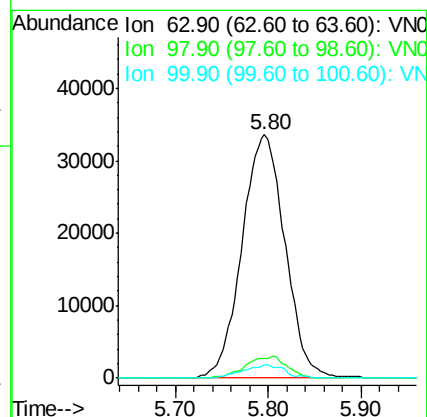
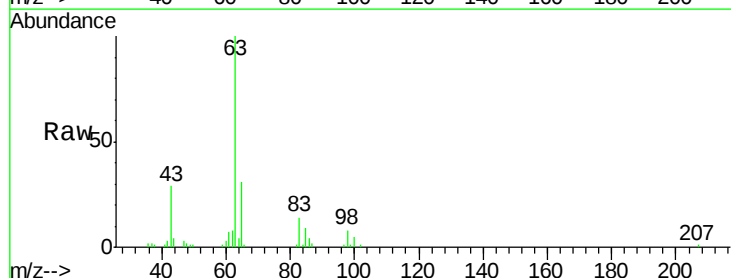
Tgt Ion: 63 Resp: 108022

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 5.4 2.5 7.6





#25

2-Butanone

Concen: 69.671 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

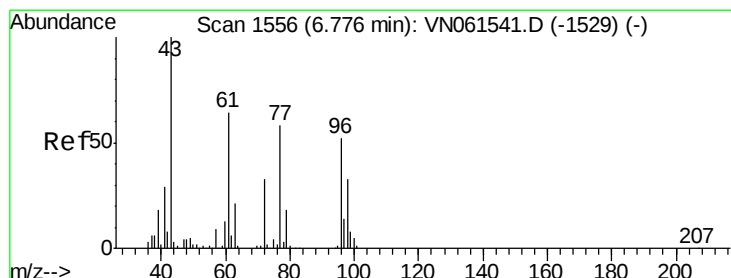
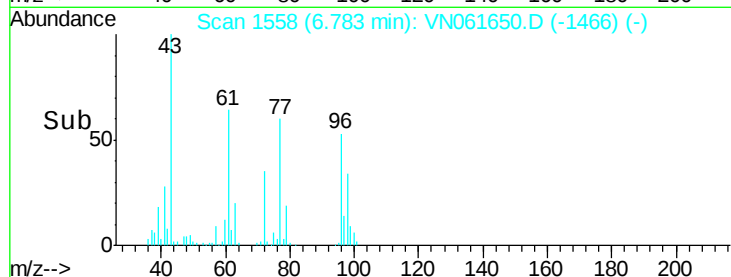
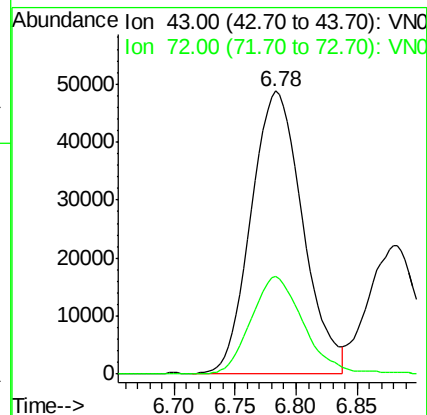
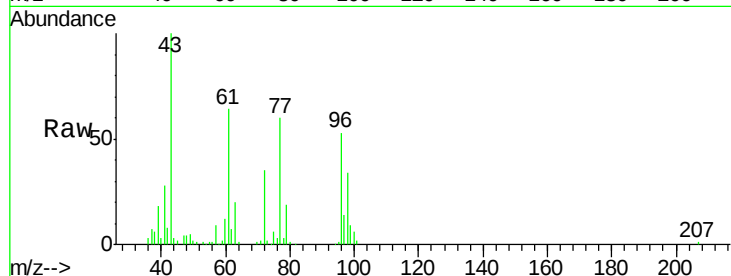
VN0604WBSD01

Tot Ion: 43 Resp: 143622

Ion Ratio Lower Upper

43 100

72 34.5 26.0 39.0



#26

2,2-Dichloropropane

Concen: 16.177 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061650.D

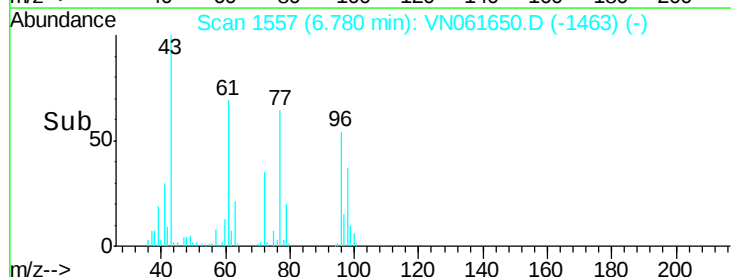
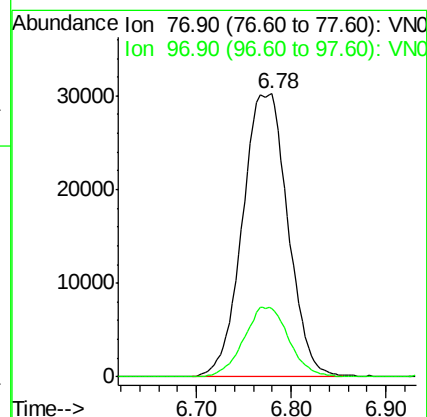
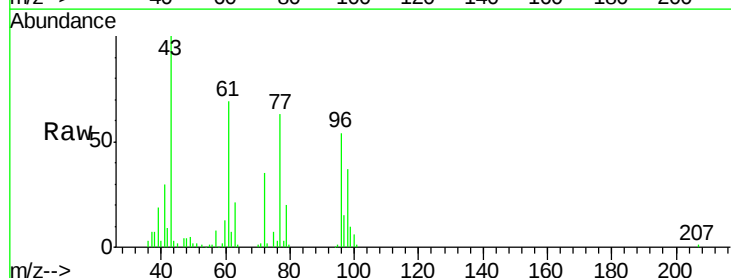
Acq: 4 Jun 2020 14:04

Tgt Ion: 77 Resp: 100924

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 16.898 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

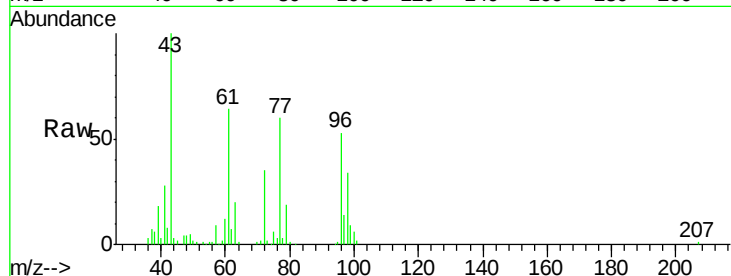
Tot Ion: 96 Resp: 80497

Ion Ratio Lower Upper

96 100

61 121.4 0.0 252.2

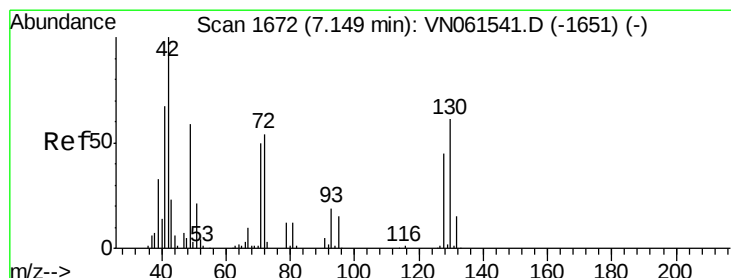
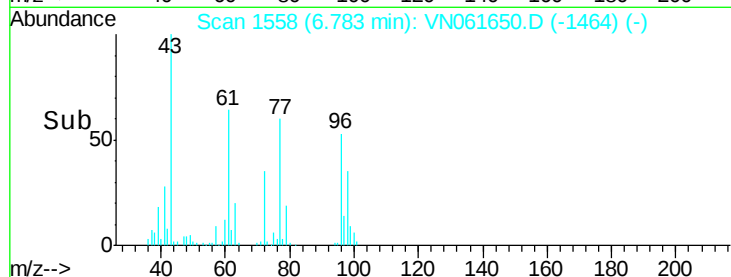
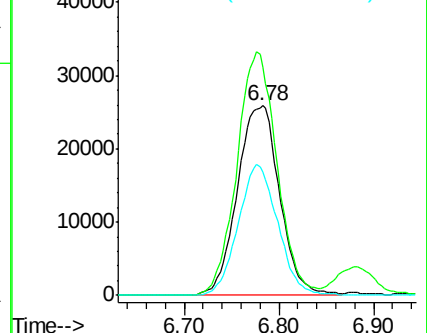
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061650.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061650.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061650.D (-1464) (-)



#28

Bromochloromethane

Concen: 17.759 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

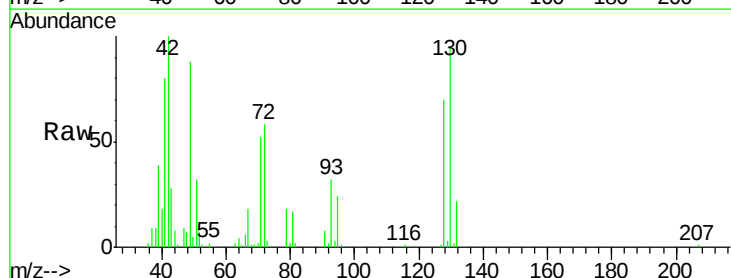
Tgt Ion: 49 Resp: 47745

Ion Ratio Lower Upper

49 100

129 2.9 0.0 4.8

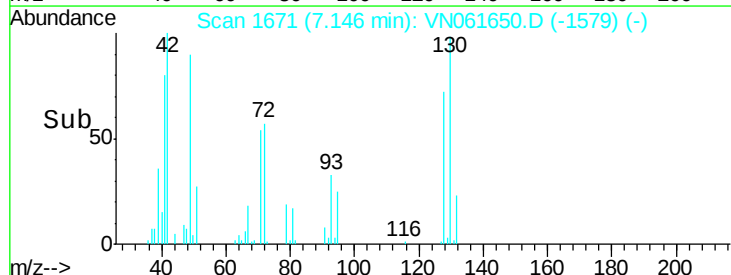
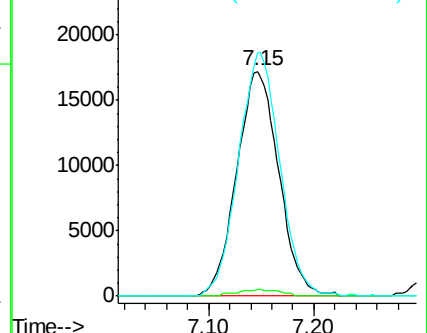
130 106.5 78.8 118.2

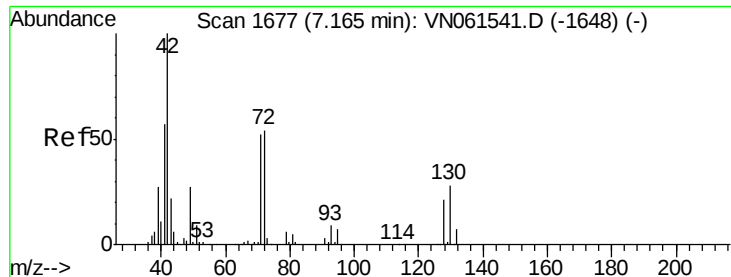


Abundance Ion 48.90 (48.60 to 49.60): VN061650.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061650.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061650.D (-1579) (-)

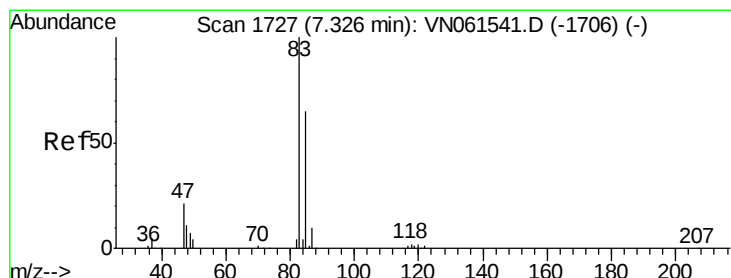
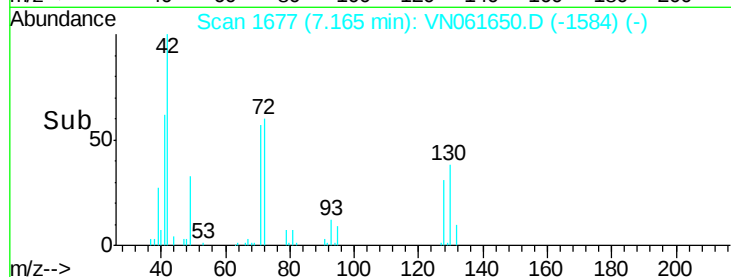
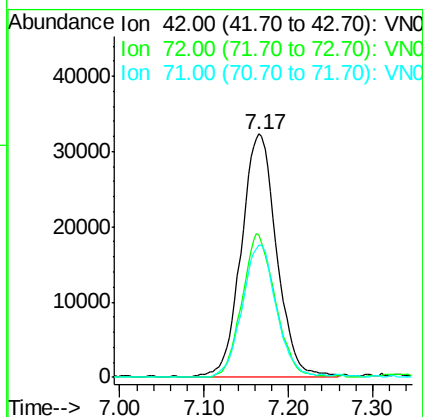
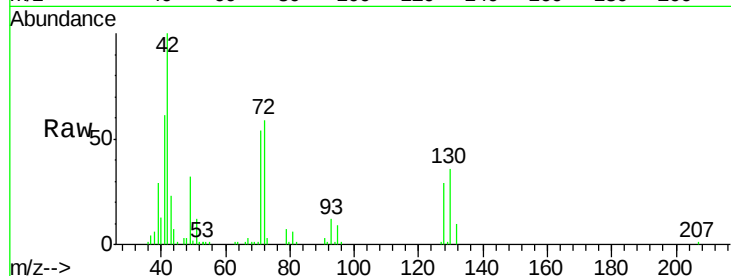




#29
Tetrahydrofuran
Concen: 69.348 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

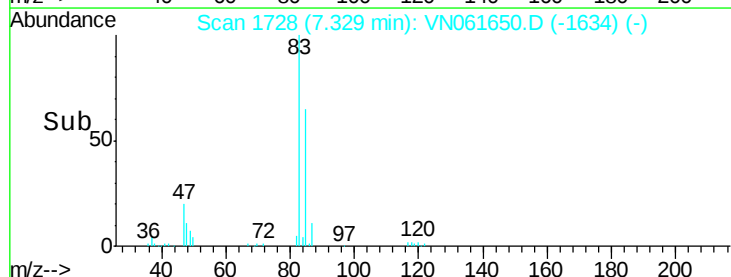
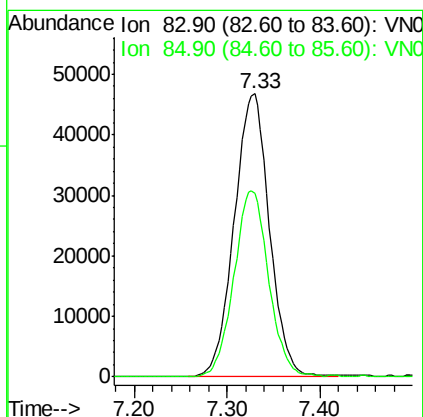
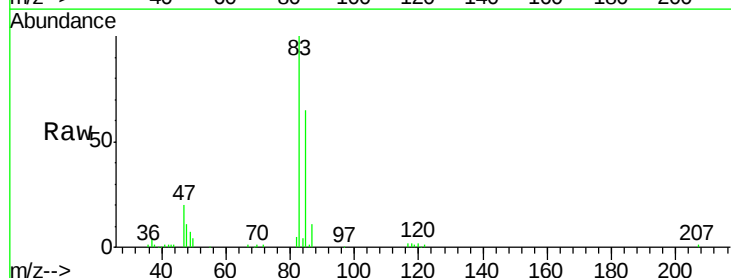
Instrument :
MSVOA_N
ClientSampled :
VN0604WBSD01

Tot Ion: 42 Resp: 94268
Ion Ratio Lower Upper
42 100
72 55.3 43.6 65.4
71 52.2 41.2 61.8



#30
Chloroform
Concen: 16.360 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 83 Resp: 123367
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5





#31

Cyclohexane

Concen: 15.531 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

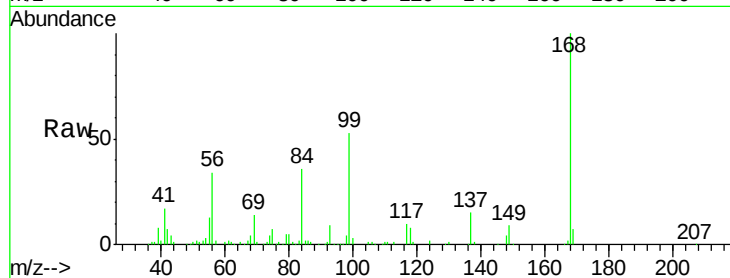
Tot Ion: 56 Resp: 95209

Ion Ratio Lower Upper

56 100

69 40.0 27.8 41.8

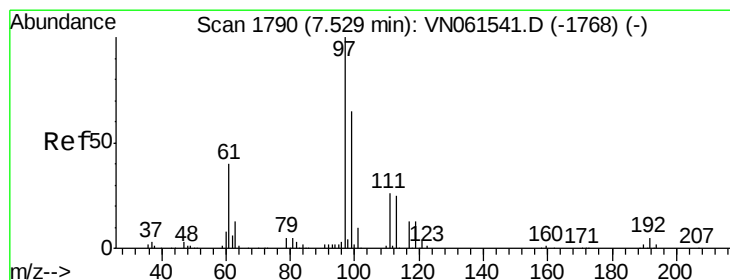
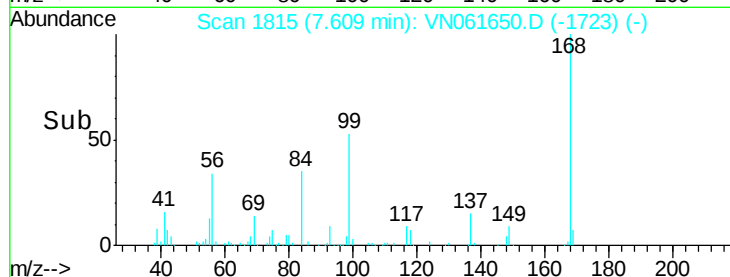
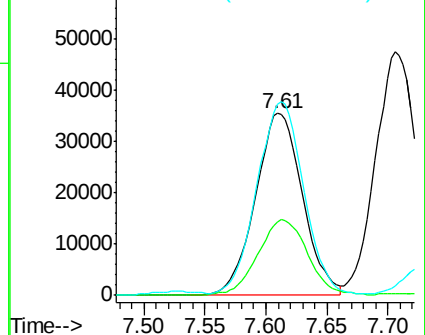
84 103.6 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061650.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061650.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061650.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 16.018 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

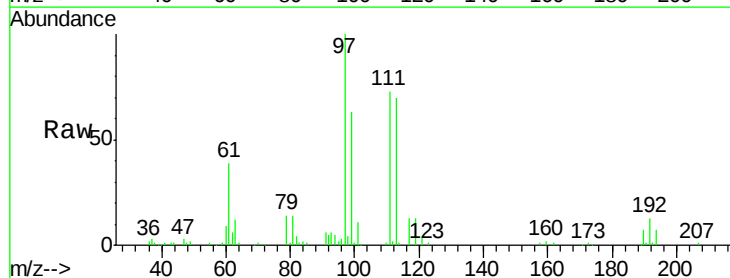
Tgt Ion: 97 Resp: 110063

Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.0

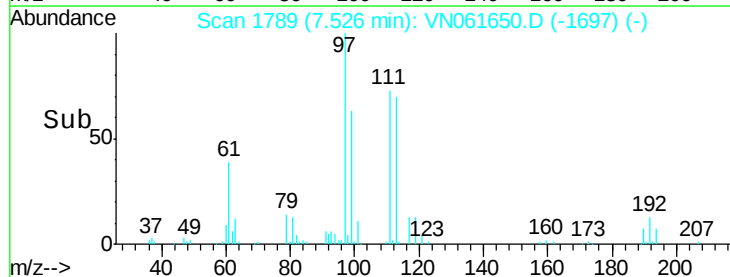
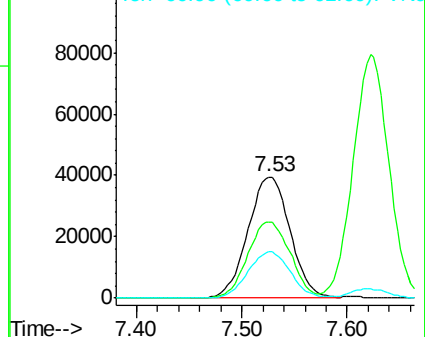
61 38.3 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061650.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061650.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061650.D (-1697) (-)

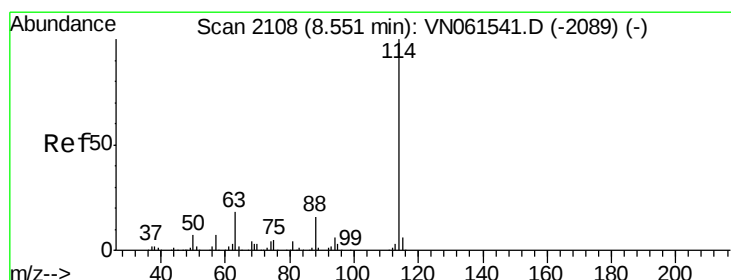
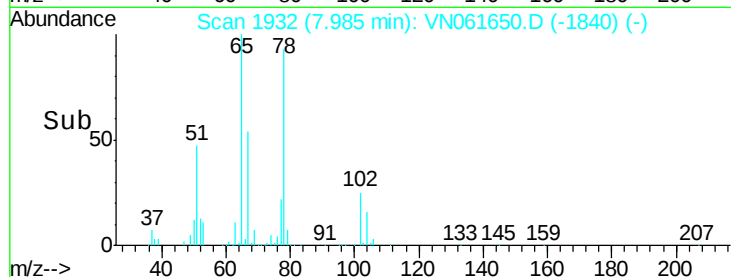
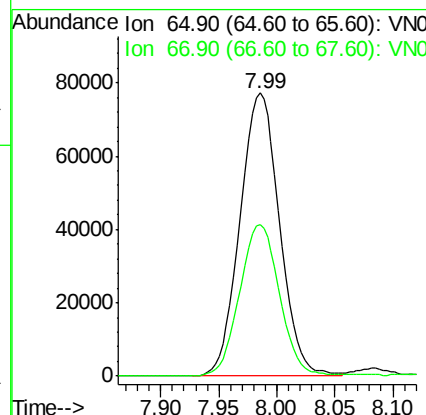
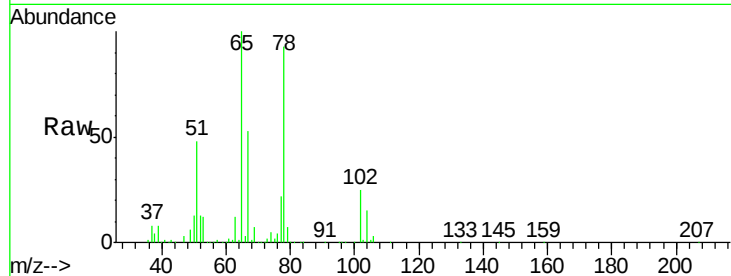




#33
 1,2-Dichloroethane-d4
 Concen: 42.136 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

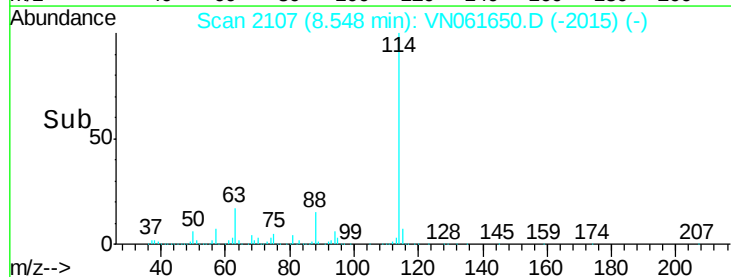
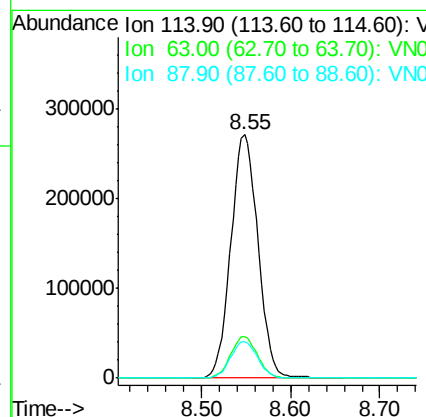
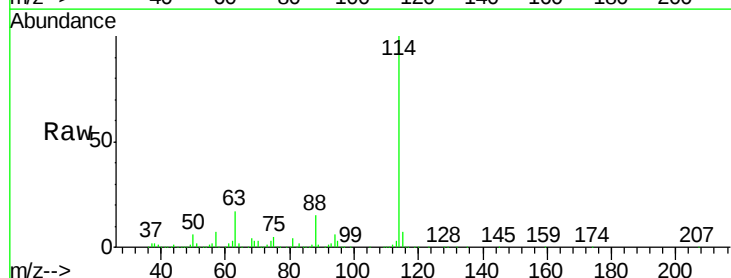
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604WBSD01

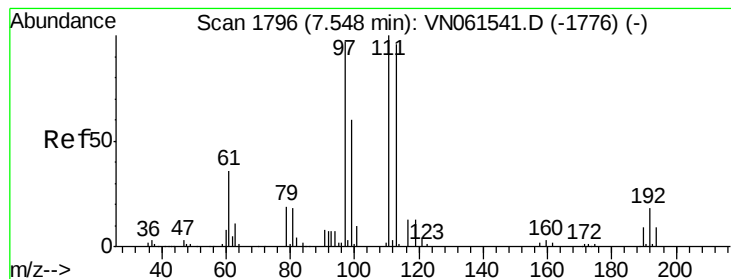
Tot Ion: 65 Resp: 183279
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

Tgt Ion: 114 Resp: 571010
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.8
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.887 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

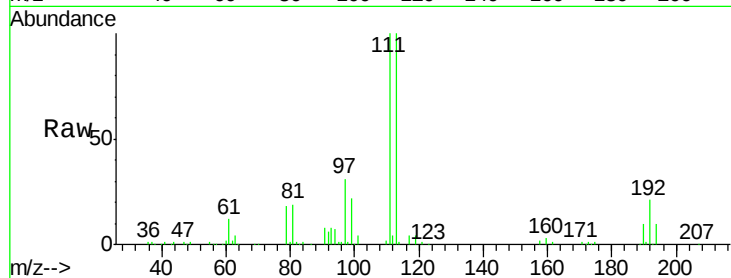
Tot Ion:113 Resp: 153195

Ion Ratio Lower Upper

113 100

111 101.5 83.4 125.0

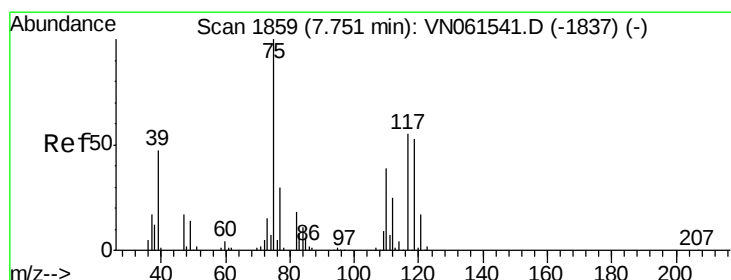
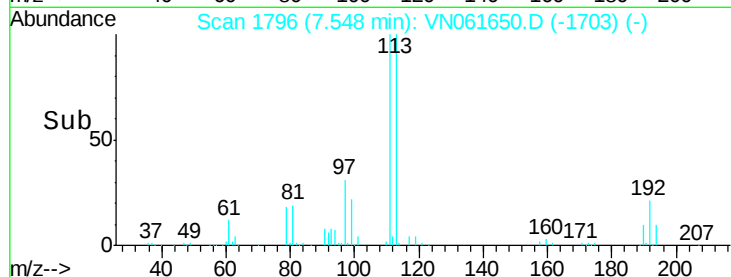
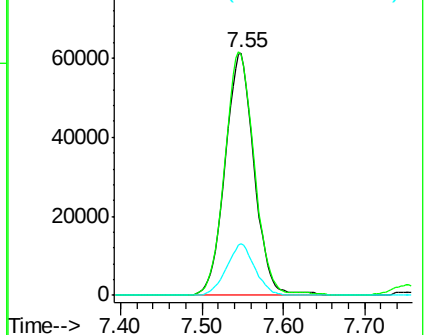
192 20.7 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.088 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

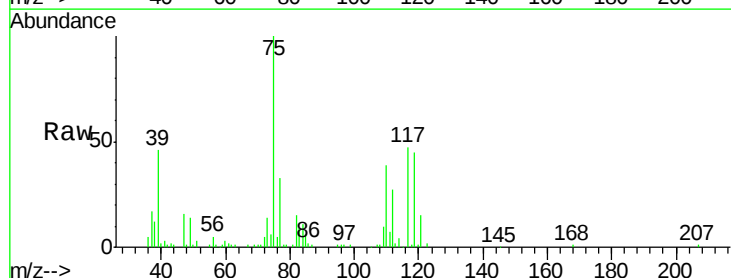
Tgt Ion: 75 Resp: 86378

Ion Ratio Lower Upper

75 100

110 40.6 19.5 58.5

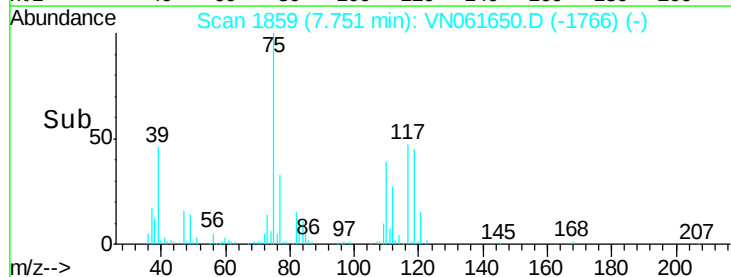
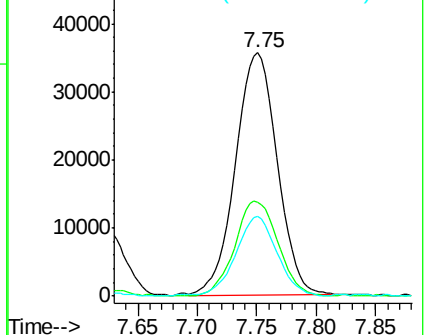
77 32.5 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

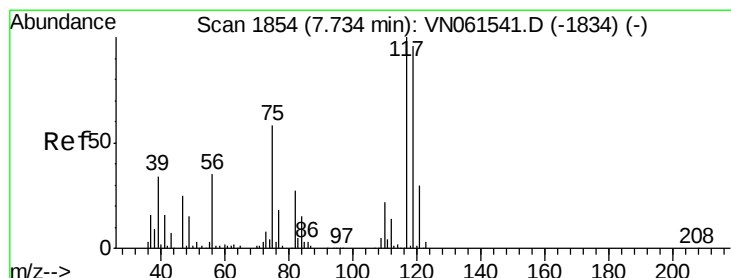
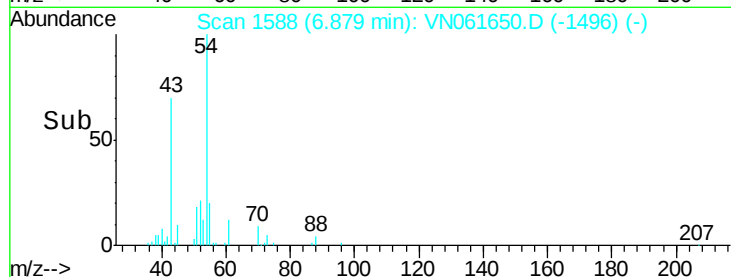
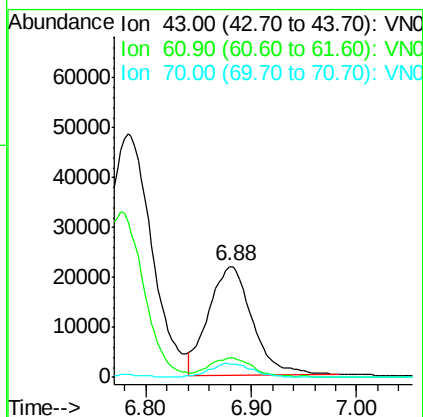
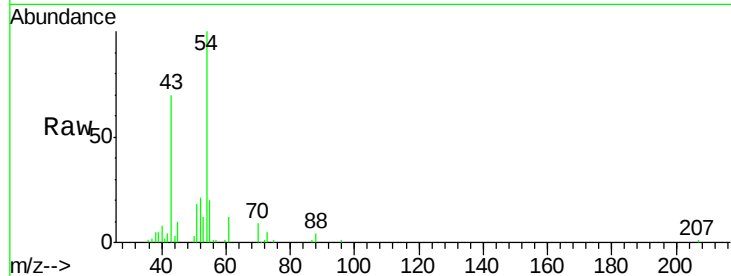




#37
Ethyl Acetate
Concen: 15.618 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

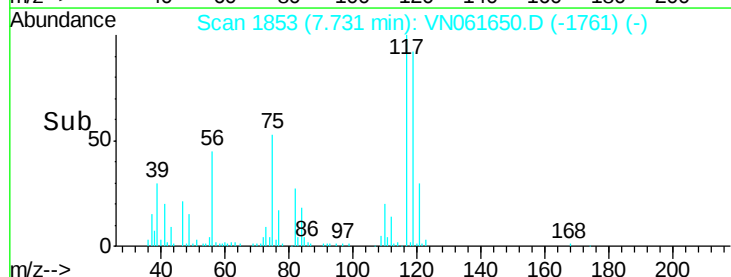
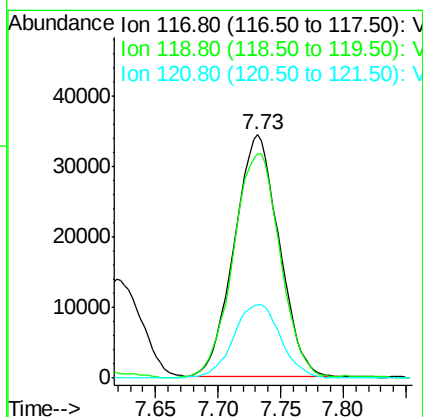
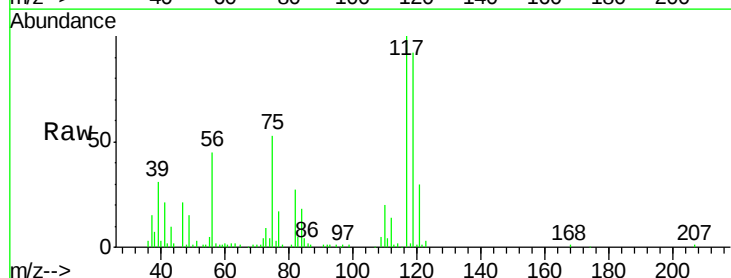
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

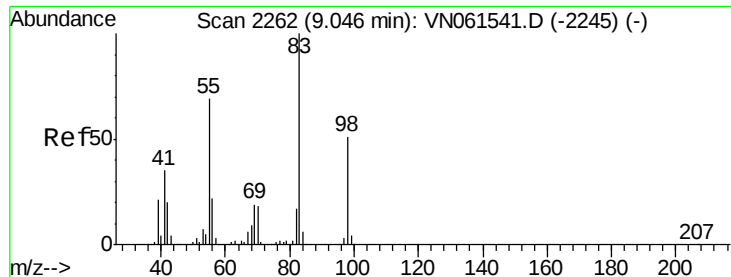
Tot Ion: 43 Resp: 63589
Ion Ratio Lower Upper
43 100
61 16.4 12.2 18.4
70 12.5 9.4 14.2



#38
Carbon Tetrachloride
Concen: 17.529 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 117 Resp: 85467
Ion Ratio Lower Upper
117 100
119 92.0 76.5 114.7
121 30.3 24.1 36.1

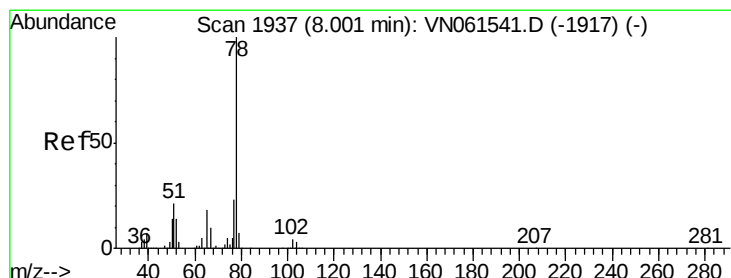
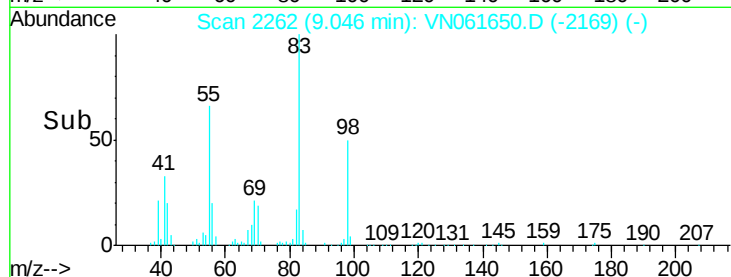
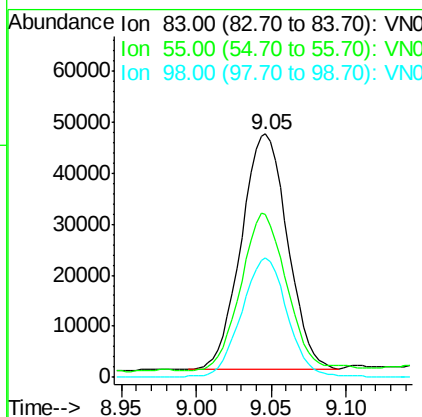
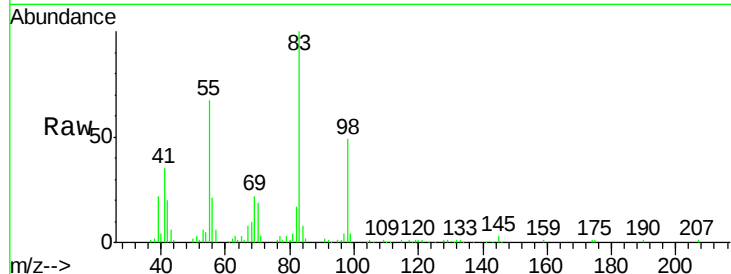




#39
Methvlcvclohexane
Concen: 15.977 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

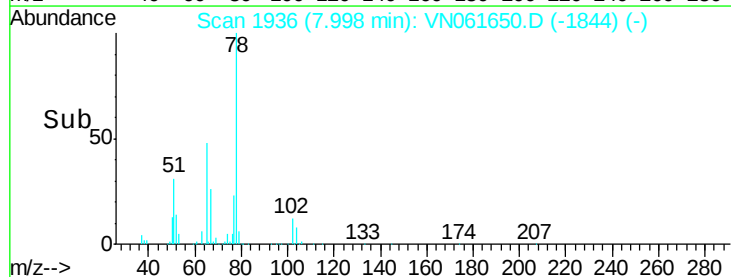
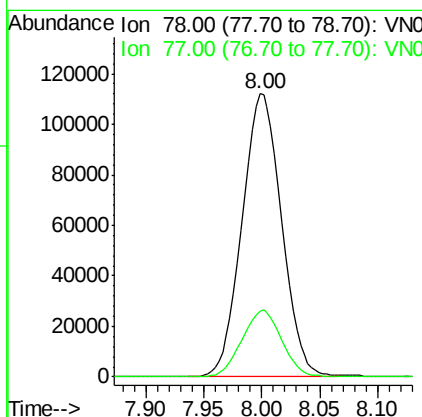
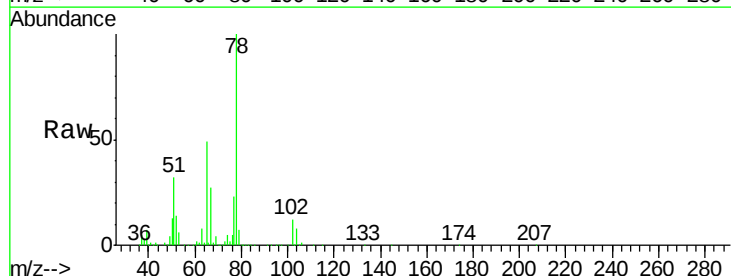
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

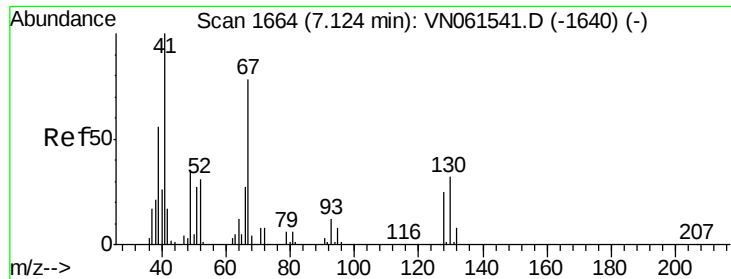
Tot Ion: 83 Resp: 99547
Ion Ratio Lower Upper
83 100
55 66.3 54.9 82.3
98 50.3 41.0 61.4



#40
Benzene
Concen: 17.103 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 78 Resp: 266747
Ion Ratio Lower Upper
78 100
77 23.2 18.6 28.0

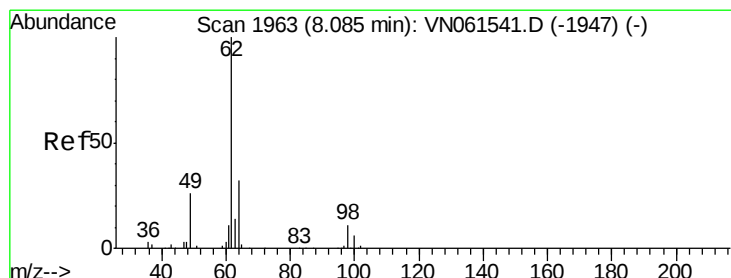
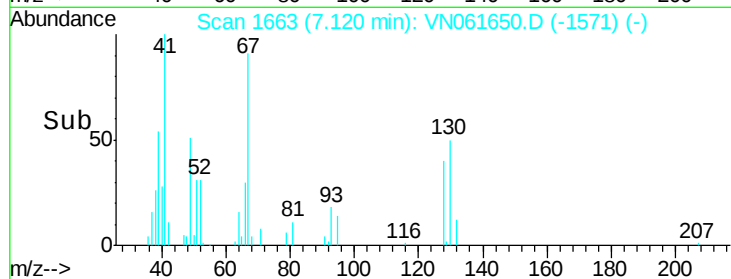
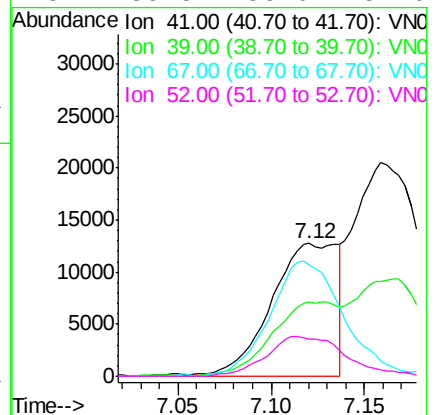
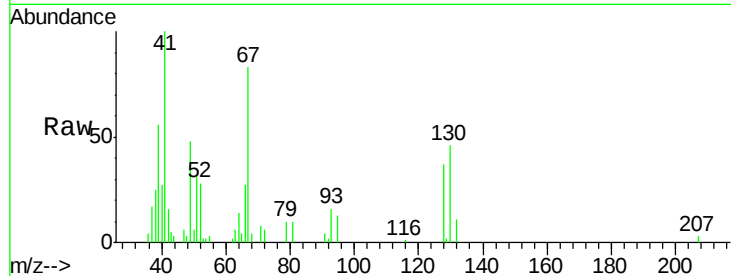




#41
Methacrylonitrile
Concen: 16.906 ug/l m
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

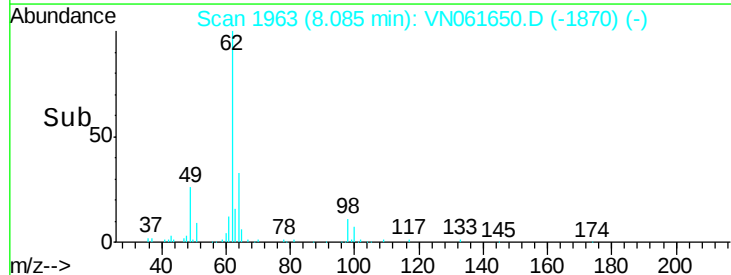
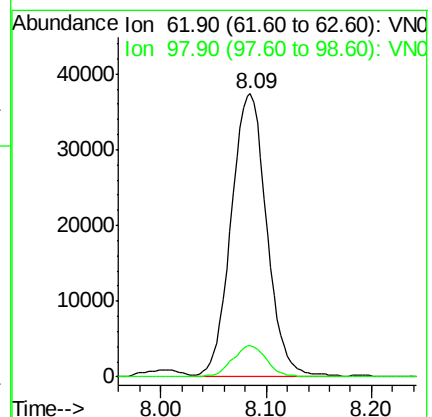
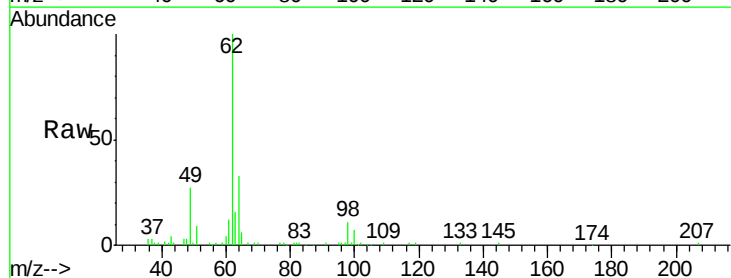
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

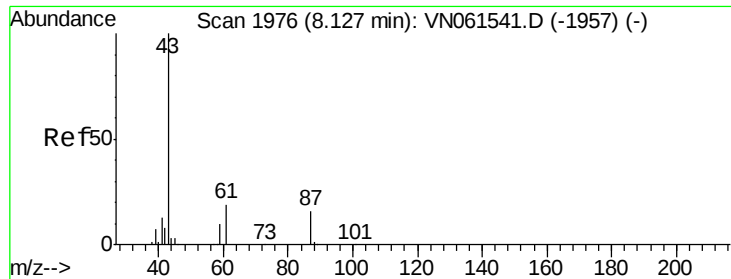
Tot Ion: 41 Resp: 31536
Ion Ratio Lower Upper
41 100
39 55.3 53.8 80.6
67 97.1 91.1 136.7
52 35.8 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 16.791 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 62 Resp: 87677
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.4





#43

Isopropyl Acetate

Concen: 15.153 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

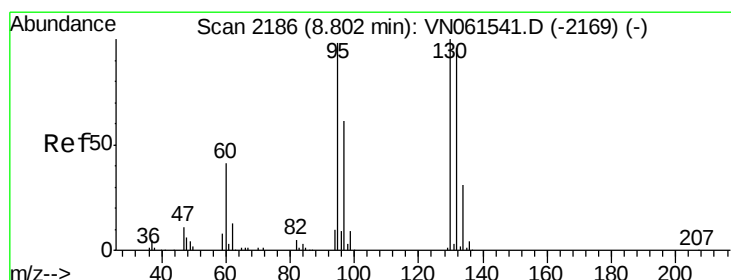
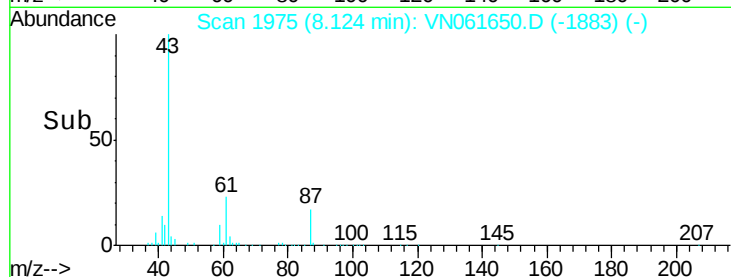
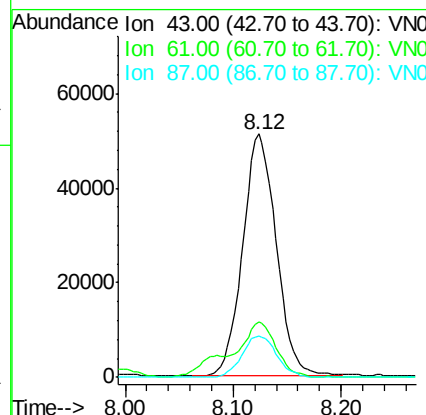
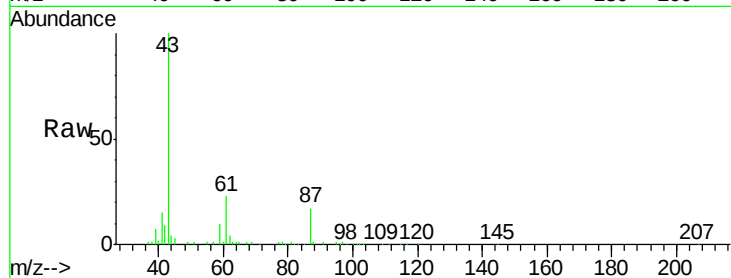
Tot Ion: 43 Resp: 110997

Ion Ratio Lower Upper

43 100

61 22.4 23.6 35.4#

87 17.5 13.0 19.6



#44

Trichloroethene

Concen: 18.272 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061650.D

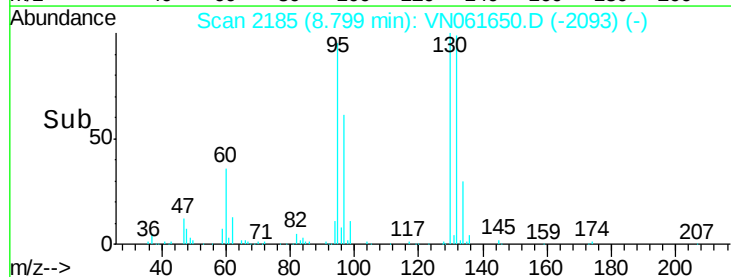
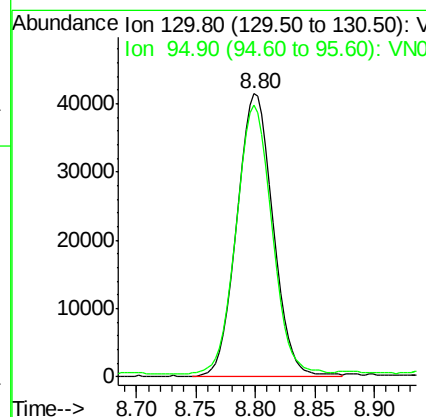
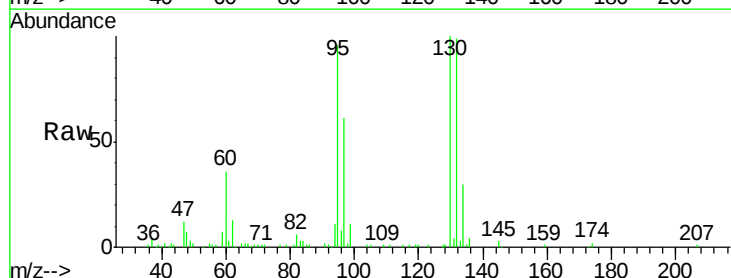
Acq: 4 Jun 2020 14:04

Tgt Ion:130 Resp: 87581

Ion Ratio Lower Upper

130 100

95 94.4 0.0 196.6





#45

1,2-Dichloropropane

Concen: 17.480 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

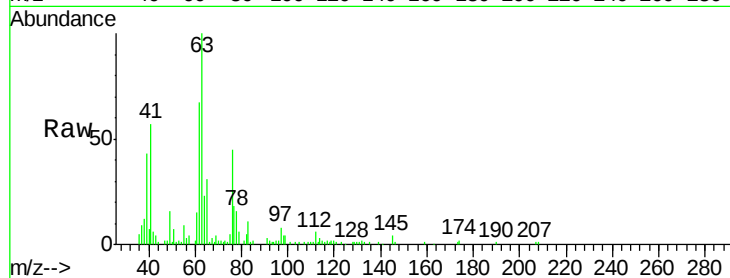
VN0604WBSD01

Tot Ion: 63 Resp: 64736

Ion Ratio Lower Upper

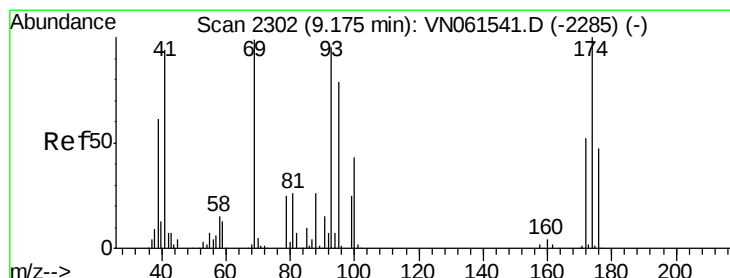
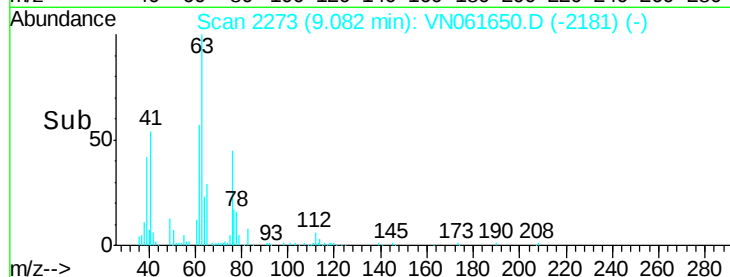
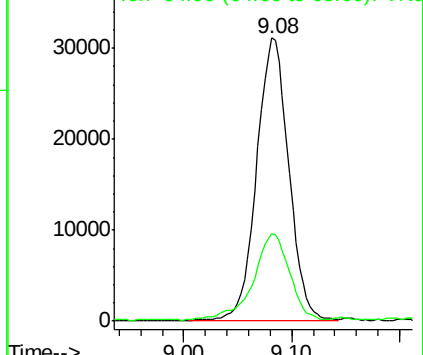
63 100

65 30.1 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 16.515 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

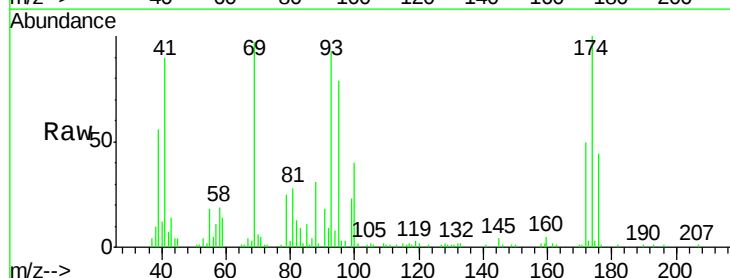
Tgt Ion: 93 Resp: 46908

Ion Ratio Lower Upper

93 100

95 85.2 66.0 99.0

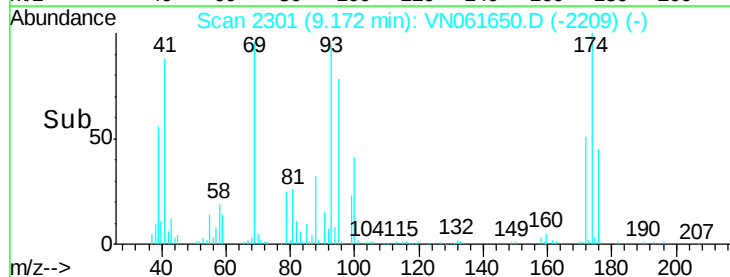
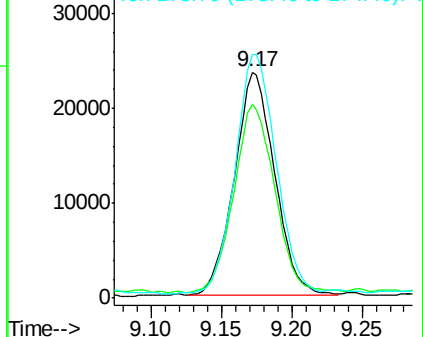
174 108.8 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 16.965 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

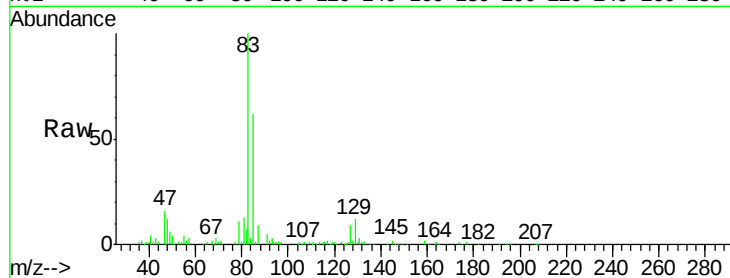
Tot Ion: 83 Resp: 95470

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

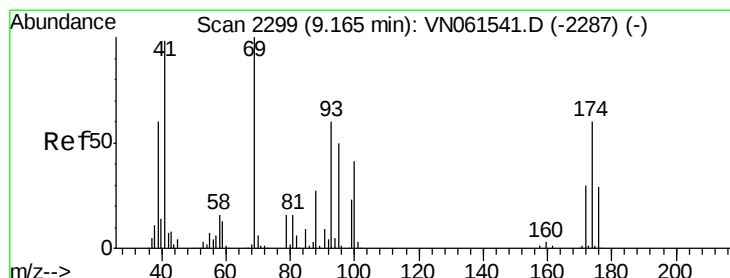
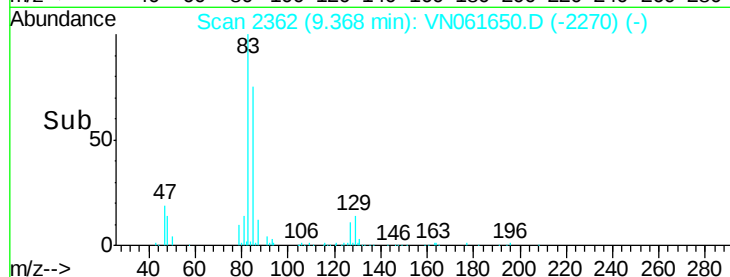
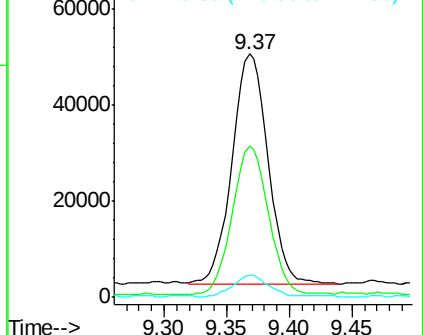
127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 14.831 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

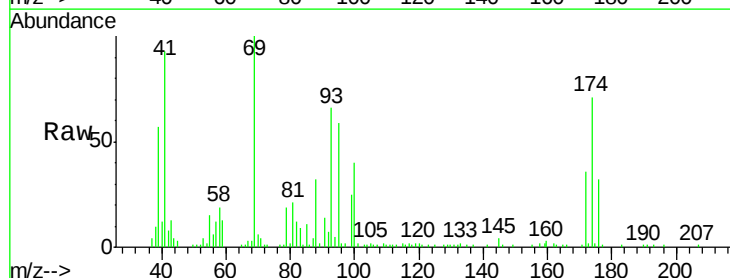
Tgt Ion: 41 Resp: 48878

Ion Ratio Lower Upper

41 100

69 111.3 83.9 125.9

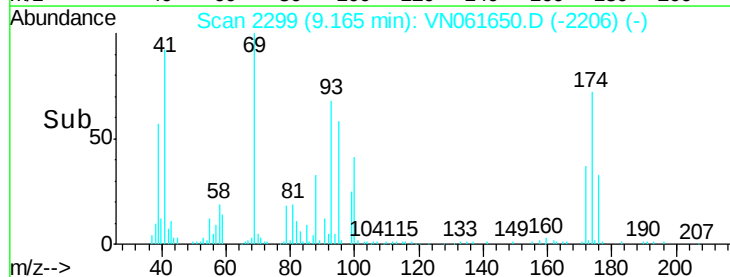
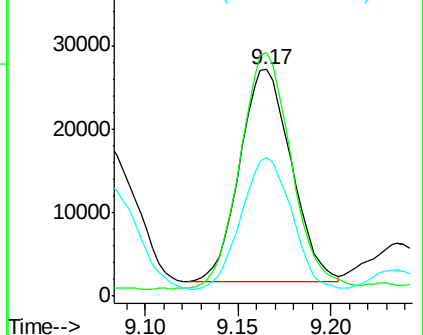
39 62.8 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

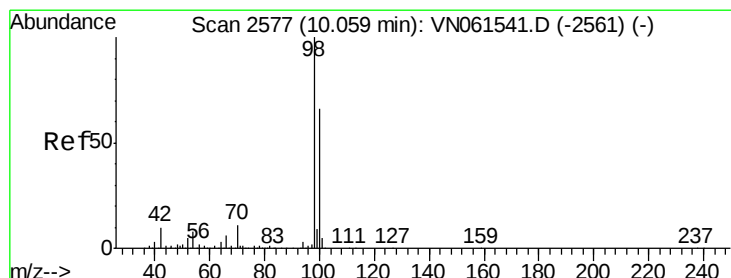
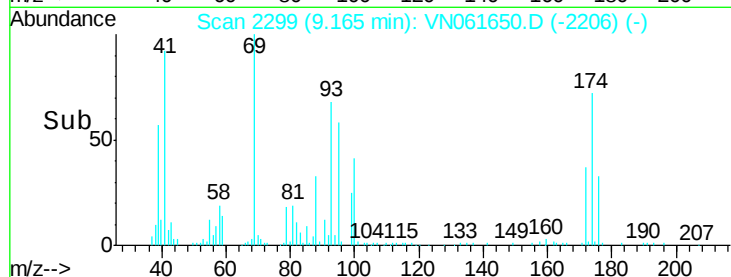
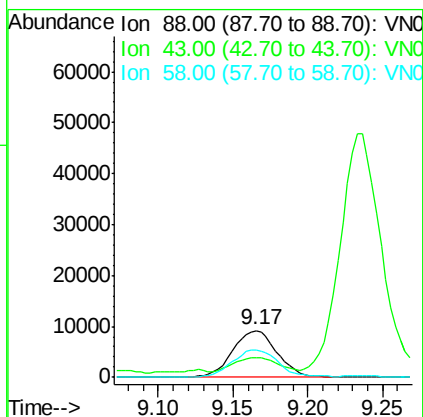
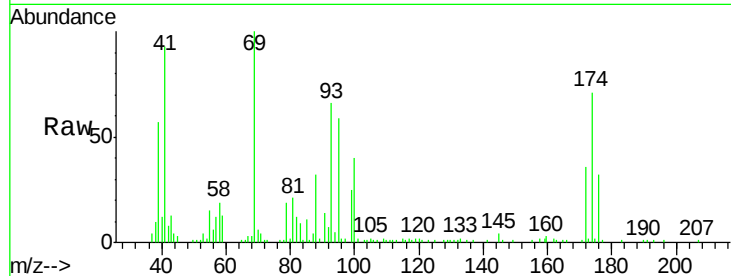




#49
1,4-Dioxane
Concen: 374.092 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

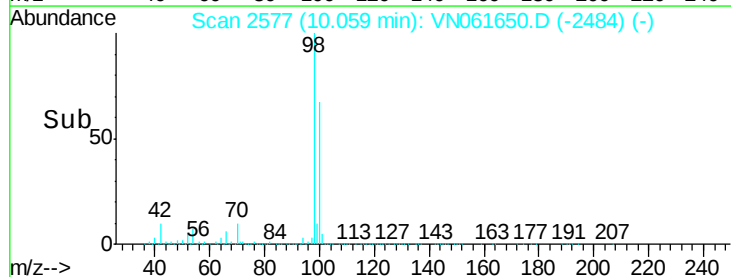
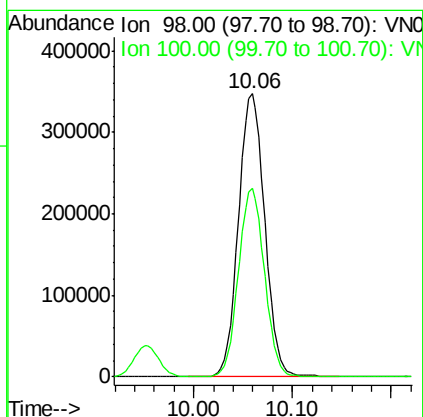
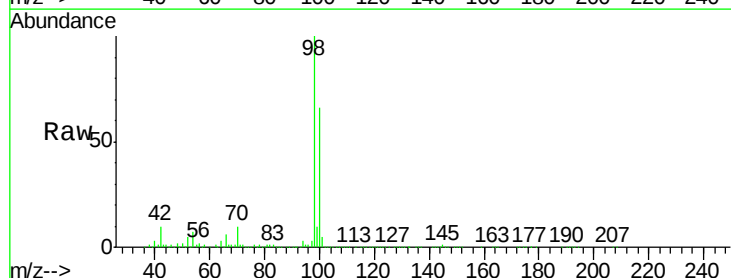
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

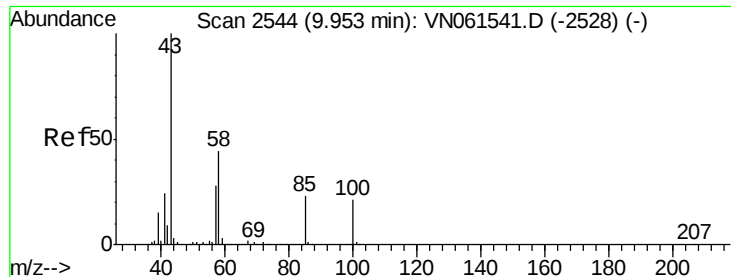
Tot Ion: 88 Resp: 19099
Ion Ratio Lower Upper
88 100
43 27.8 23.1 34.7
58 62.0 48.3 72.5



#50
Toluene-d8
Concen: 47.648 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 98 Resp: 639594
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 77.398 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

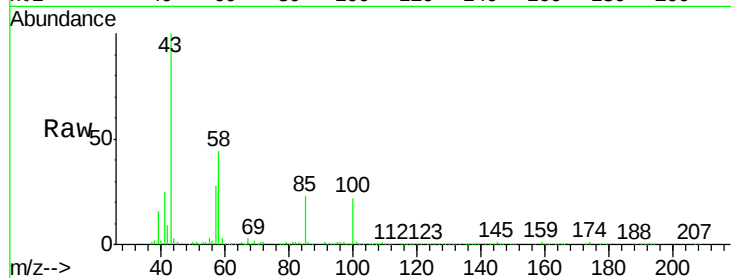
VN0604WBSD01

Tot Ion: 43 Resp: 319480

Ion Ratio Lower Upper

43 100

58 44.1 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)

9.95

200000

150000

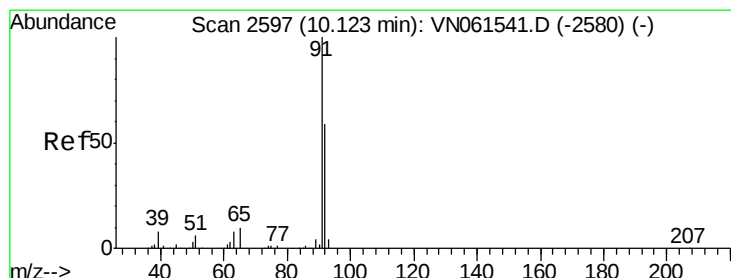
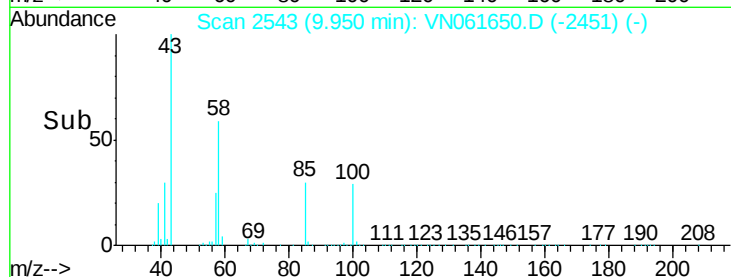
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 17.676 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061650.D

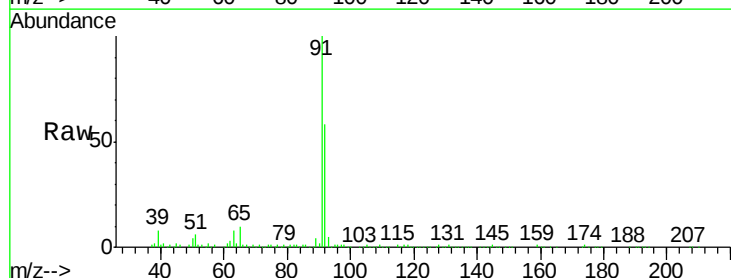
Acq: 4 Jun 2020 14:04

Tgt Ion: 92 Resp: 179940

Ion Ratio Lower Upper

92 100

91 171.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)

10.12

200000

150000

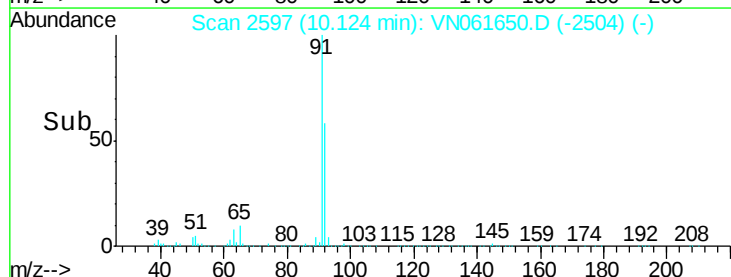
100000

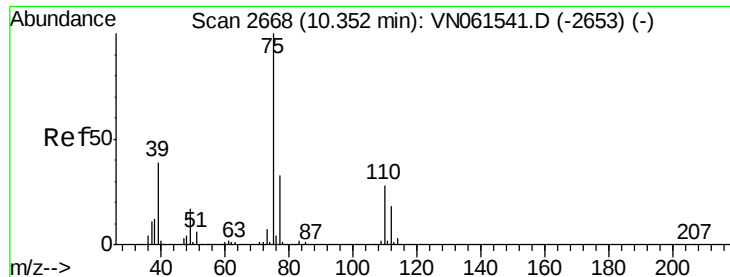
50000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.673 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

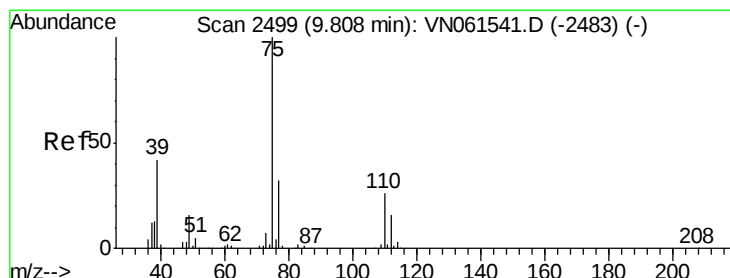
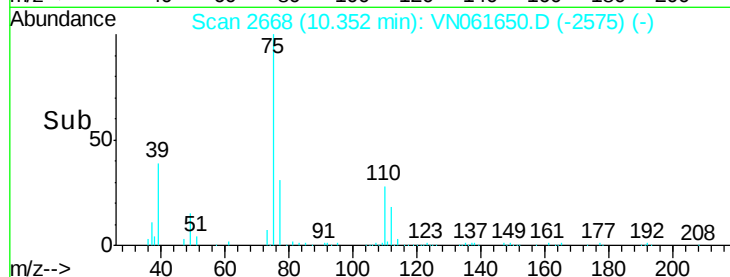
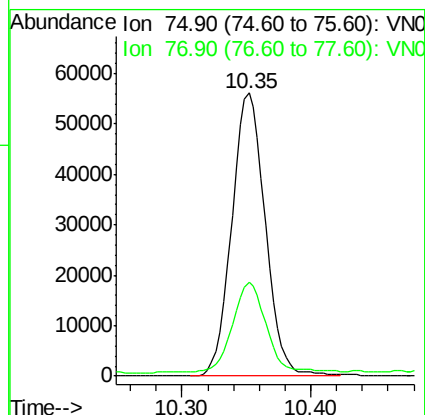
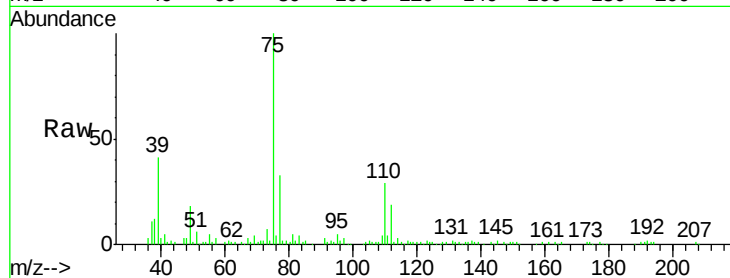
VN0604WBSD01

Tot Ion: 75 Resp: 101079

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 16.880 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

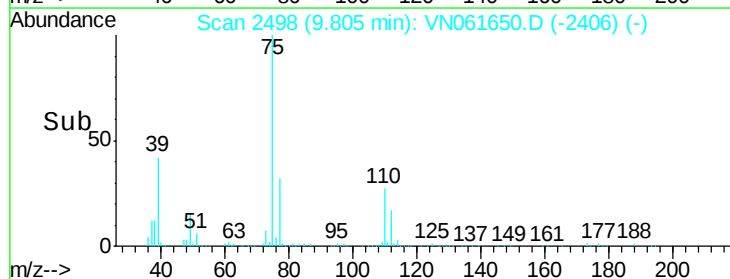
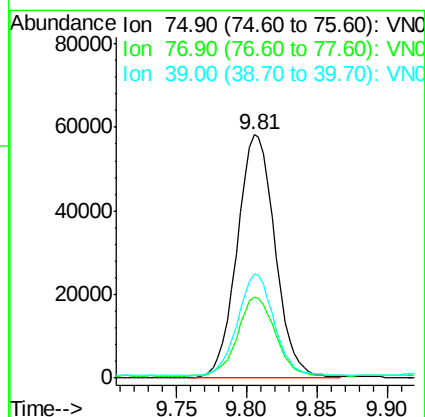
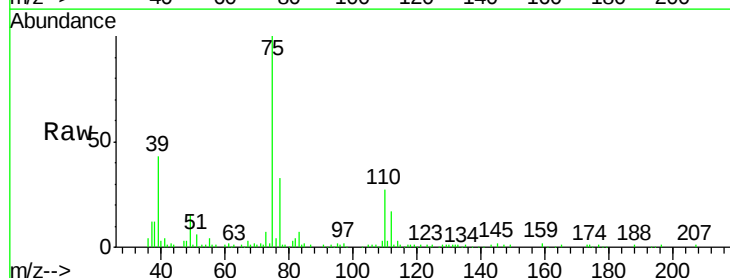
Tgt Ion: 75 Resp: 110028

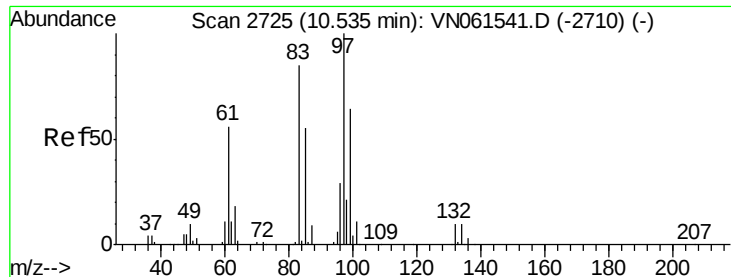
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2

39 41.9 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 16.991 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

Tot Ion: 97 Resp: 68911

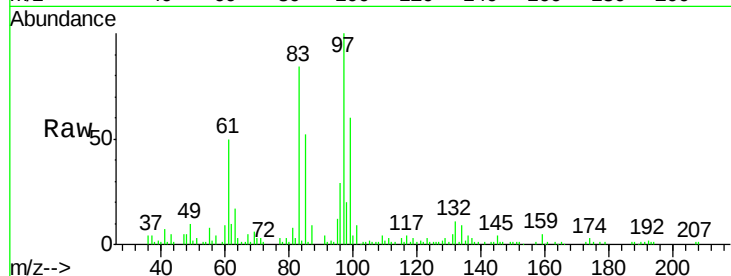
Ion Ratio Lower Upper

97 100

83 84.3 68.1 102.1

85 53.8 44.1 66.1

99 63.4 51.1 76.7

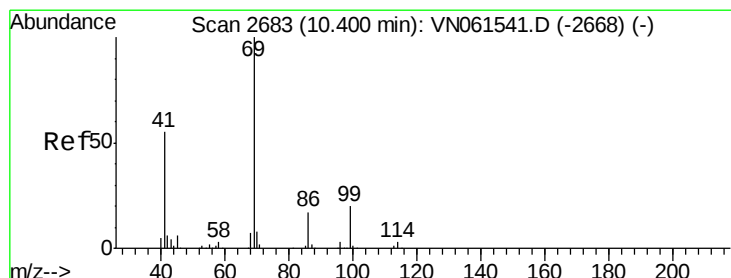
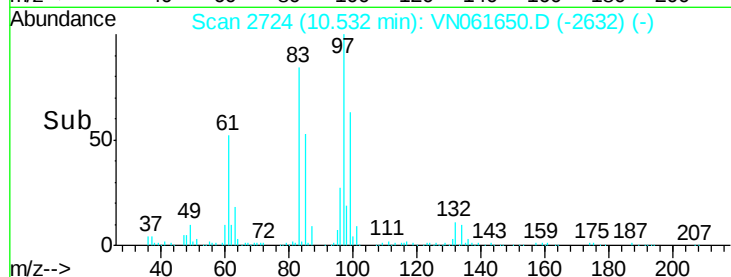
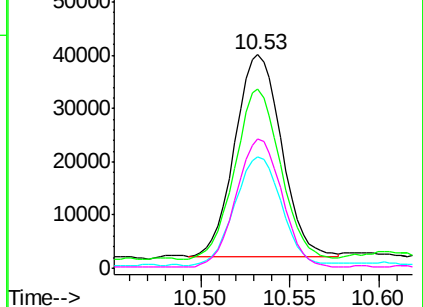


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.304 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

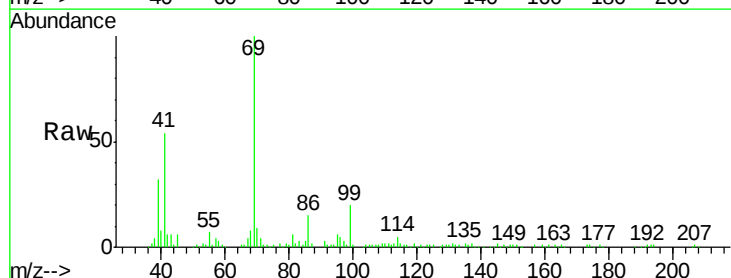
Tgt Ion: 69 Resp: 98036

Ion Ratio Lower Upper

69 100

41 52.5 43.5 65.3

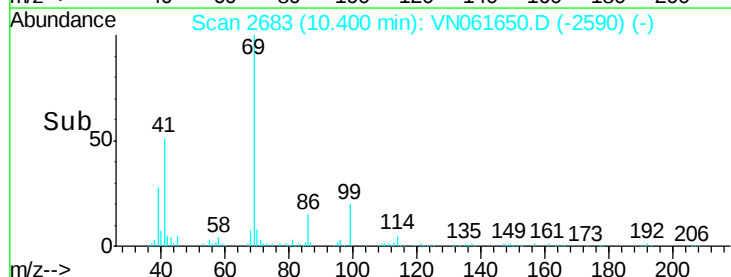
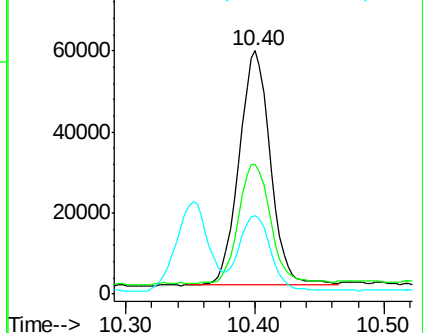
39 31.7 27.0 40.6

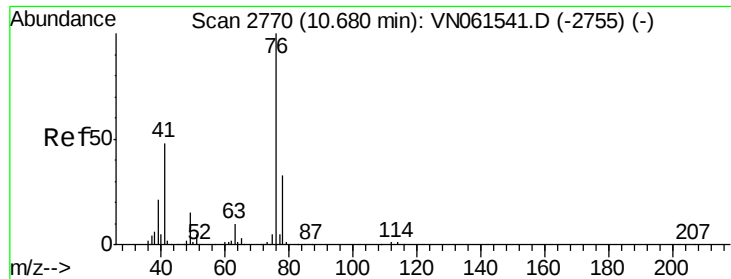


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

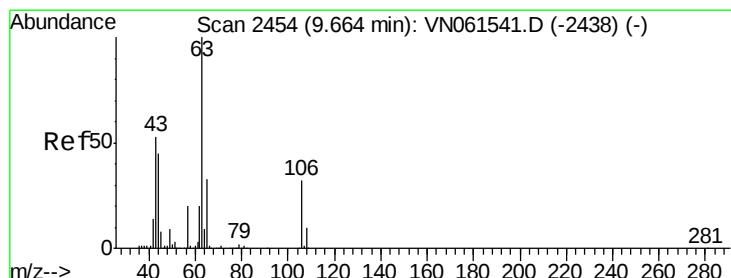
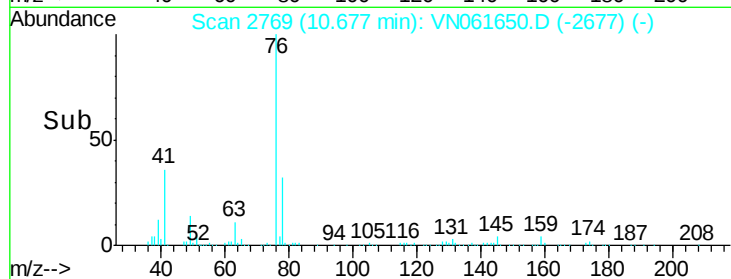
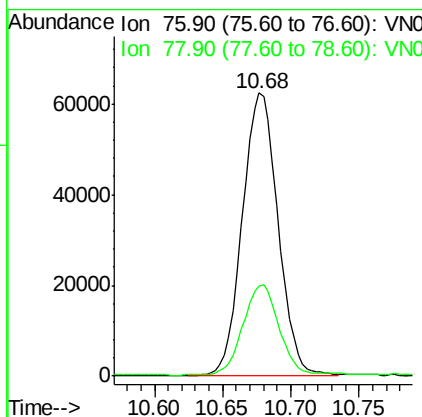
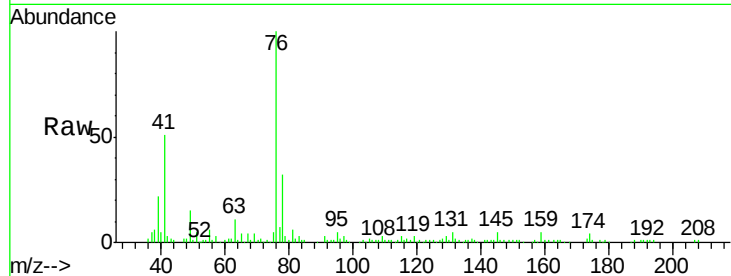




#57
 1,3-Dichloropropane
 Concen: 17.557 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

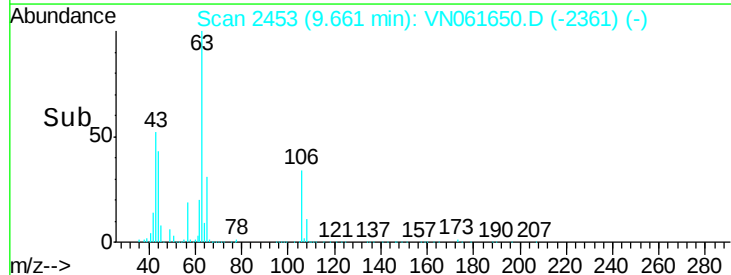
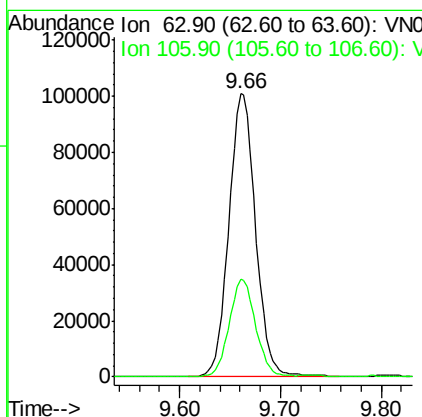
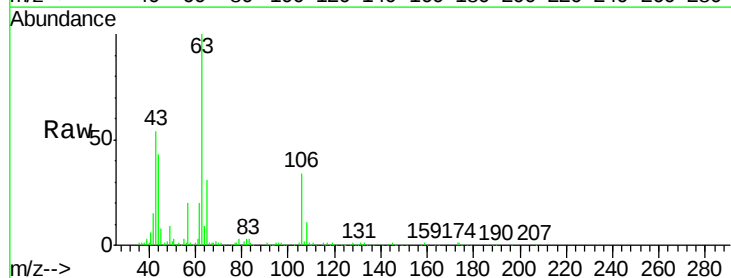
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604WBSD01

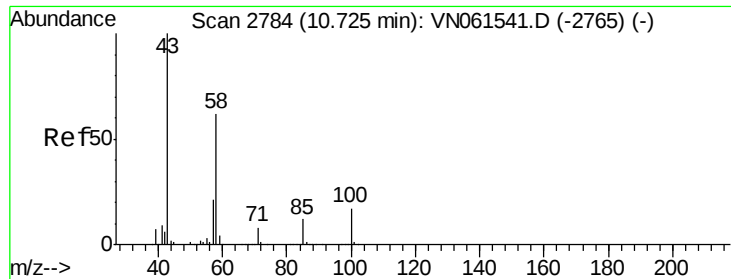
Tot Ion: 76 Resp: 113884
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.998 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

Tgt Ion: 63 Resp: 186419
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.9 38.9

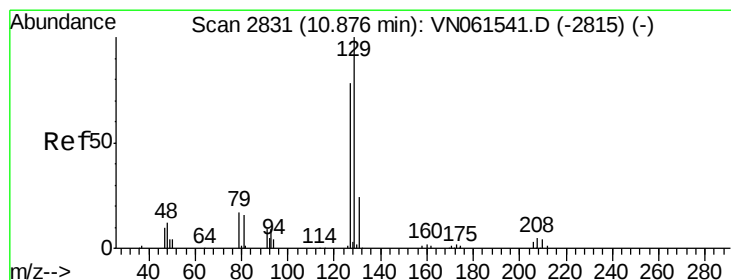
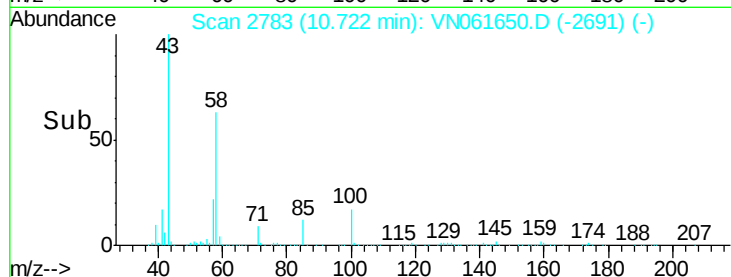
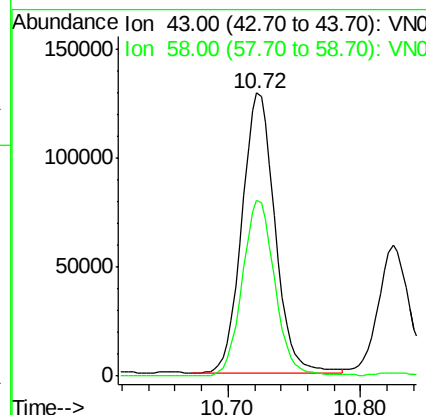
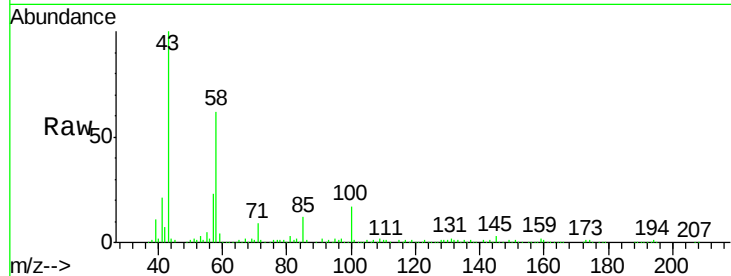




#59
2-Hexanone
Concen: 75.002 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

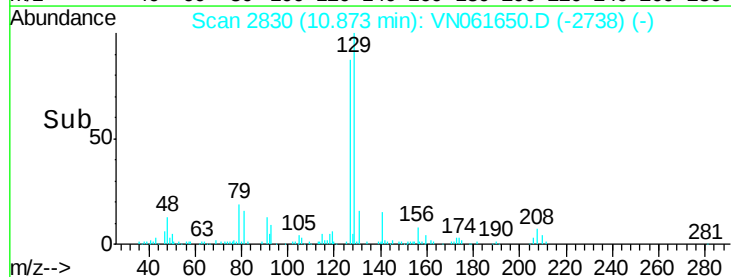
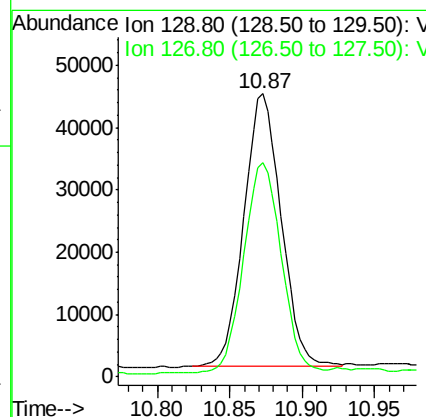
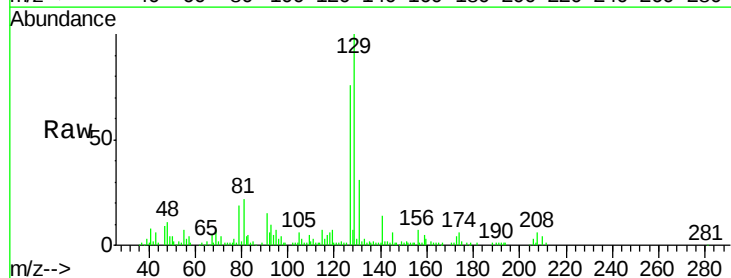
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

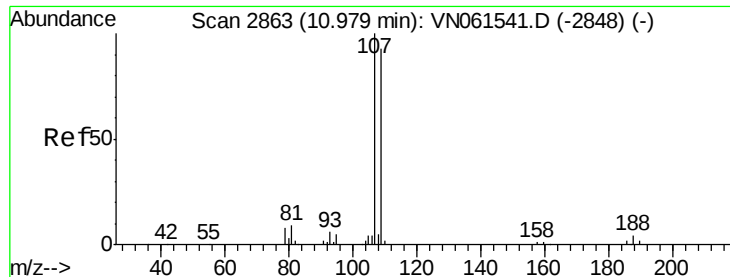
Tot Ion: 43 Resp: 222340
Ion Ratio Lower Upper
43 100
58 62.0 30.7 92.1



#60
Dibromochloromethane
Concen: 17.040 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 129 Resp: 78567
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.3

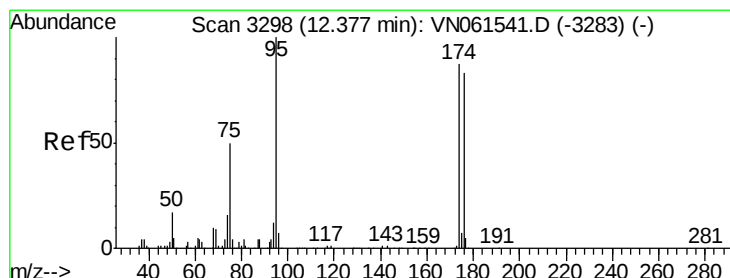
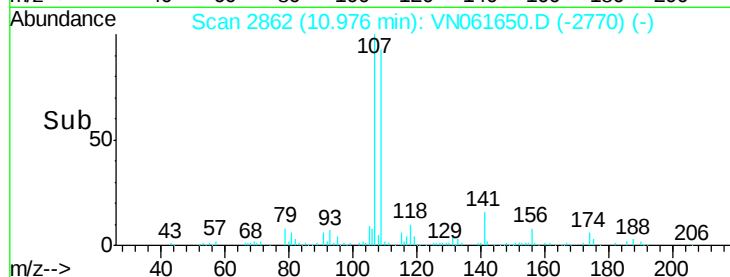
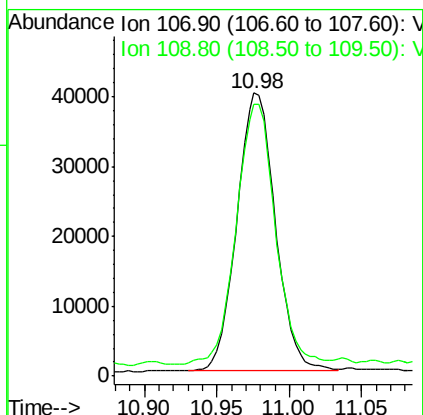
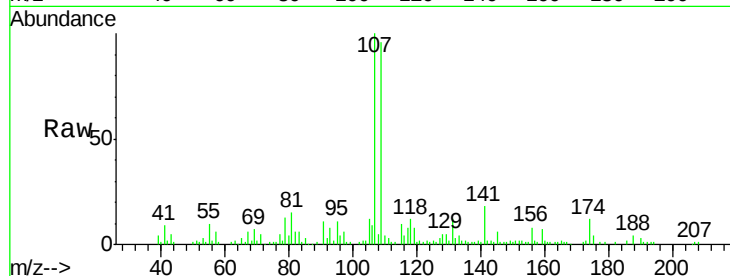




#61
1,2-Dibromoethane
Concen: 17.243 ug/l
RT: 10.98 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

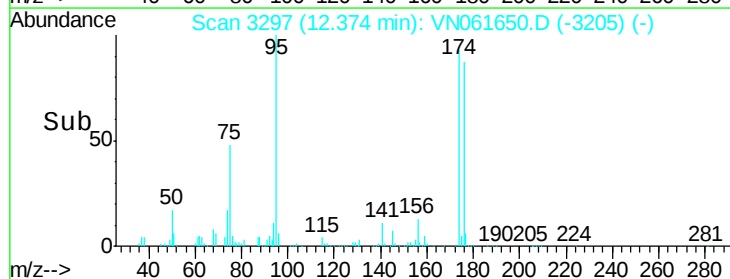
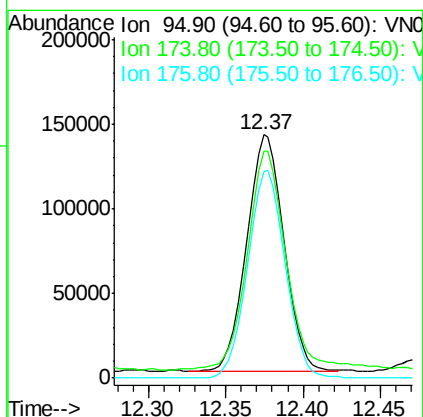
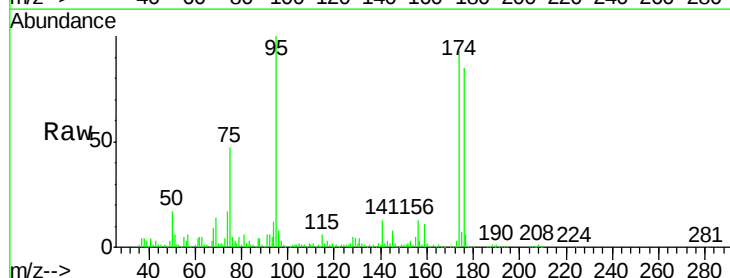
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

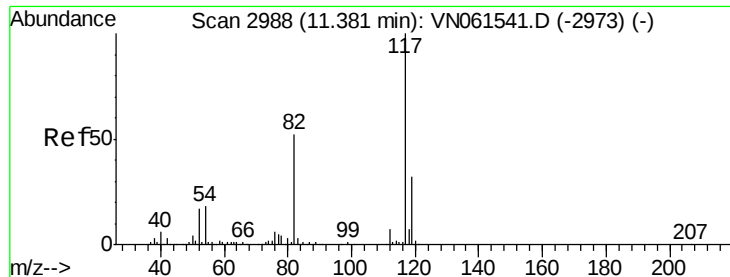
Tot Ion:107 Resp: 72936
Ion Ratio Lower Upper
107 100
109 95.5 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 47.879 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 95 Resp: 234477
Ion Ratio Lower Upper
95 100
174 93.9 0.0 172.8
176 88.9 0.0 164.8

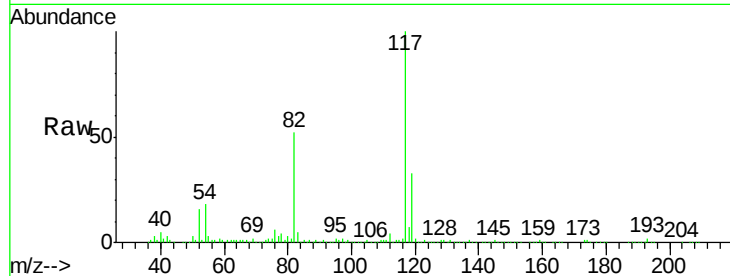




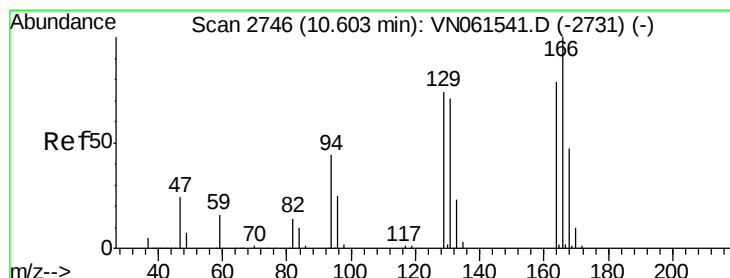
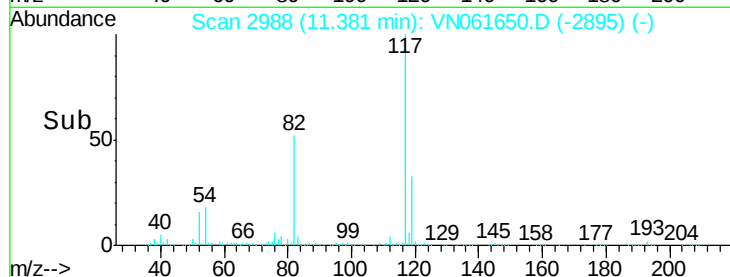
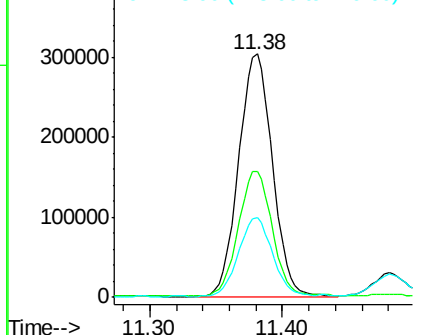
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

Tot Ion:117 Resp: 535012
Ion Ratio Lower Upper
117 100
82 51.3 41.5 62.3
119 32.5 25.6 38.4

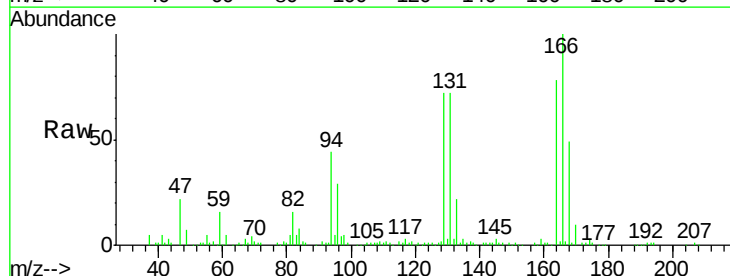


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

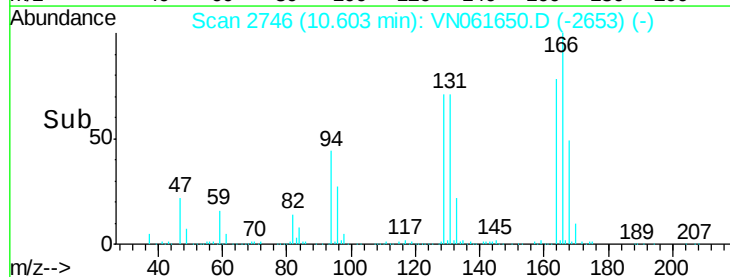
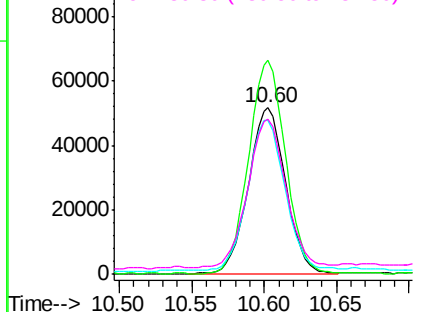


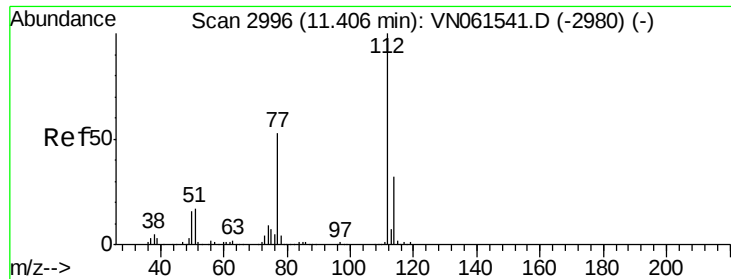
#64
Tetrachloroethene
Concen: 18.384 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion:164 Resp: 92586
Ion Ratio Lower Upper
164 100
166 128.3 101.5 152.3
129 89.9 74.9 112.3
131 89.3 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.213 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

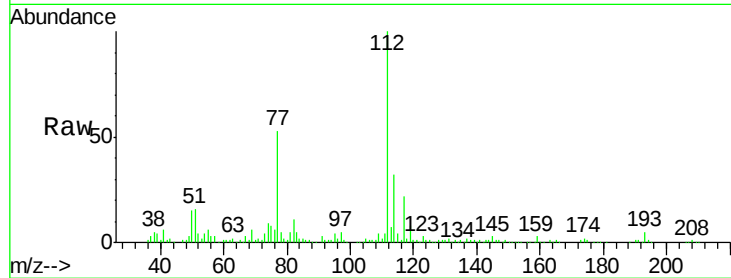
VN0604WBSD01

Tot Ion:112 Resp: 202541

Ion Ratio Lower Upper

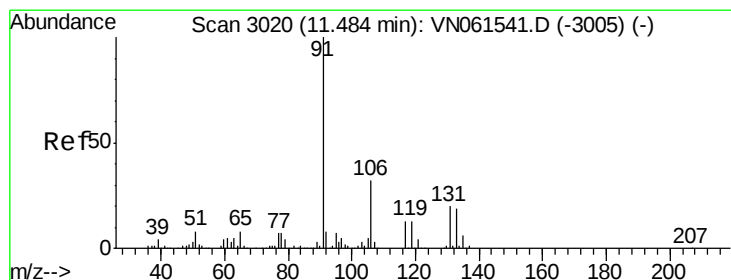
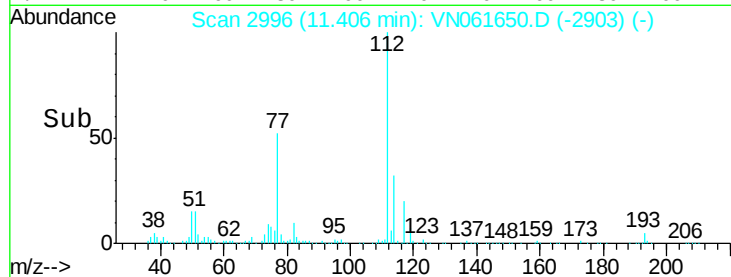
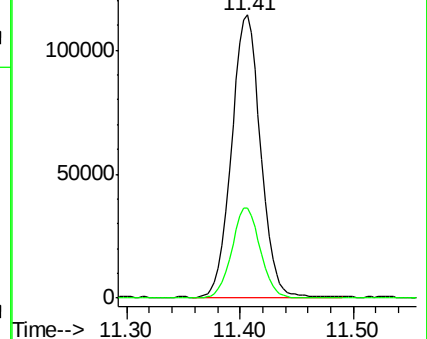
112 100

114 32.0 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.830 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

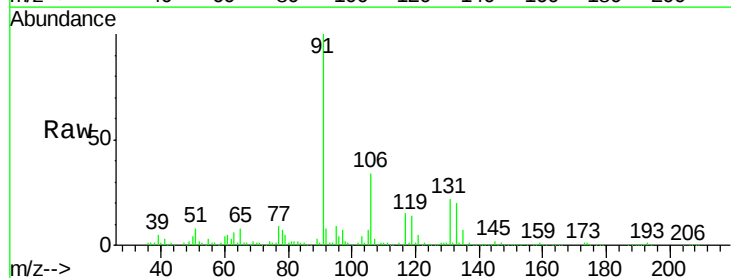
Tgt Ion:131 Resp: 73833

Ion Ratio Lower Upper

131 100

133 93.6 47.4 142.2

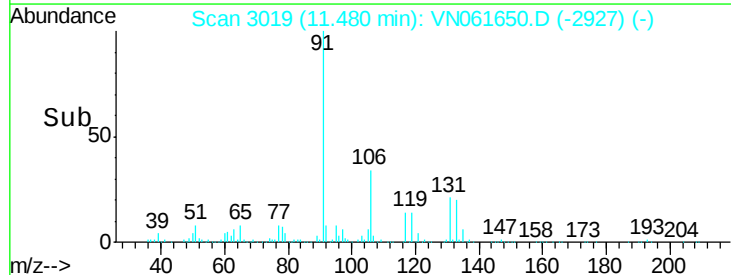
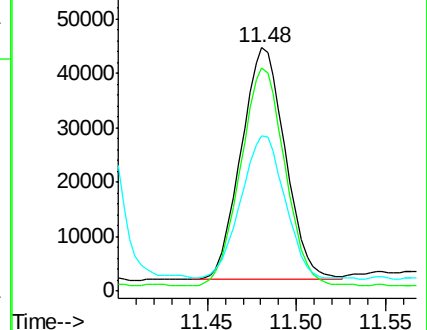
119 61.1 32.6 97.8

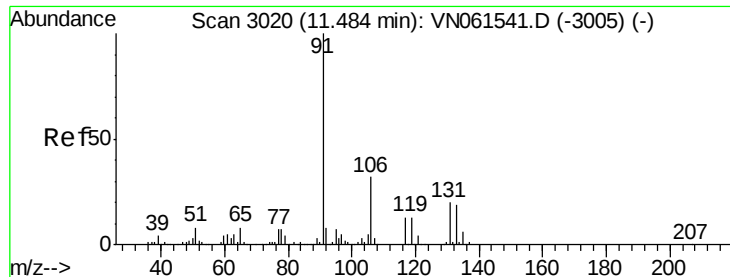


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

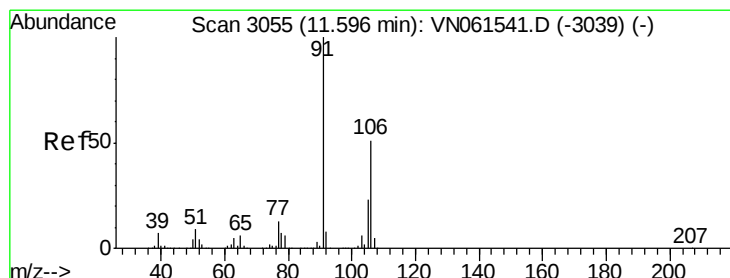
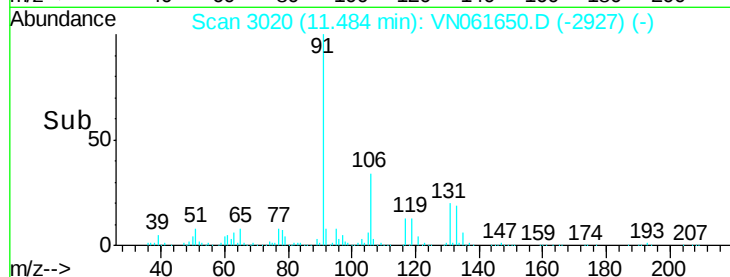
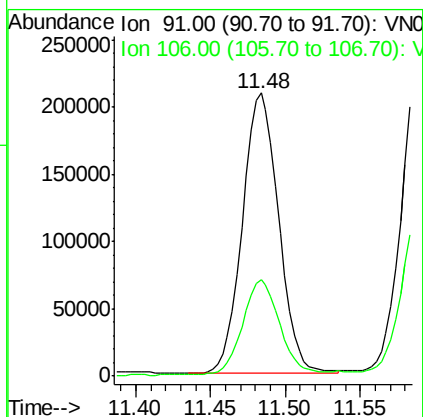
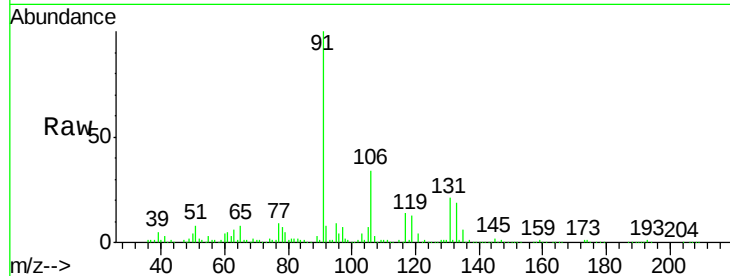




#67
Ethyl Benzene
Concen: 18.248 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

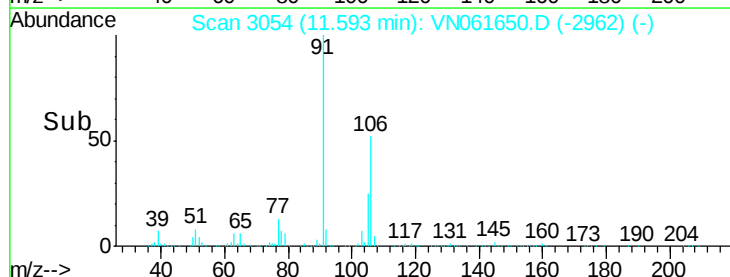
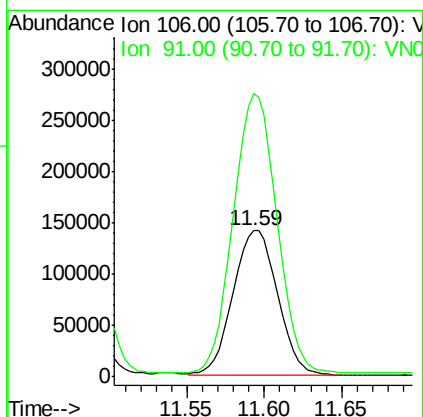
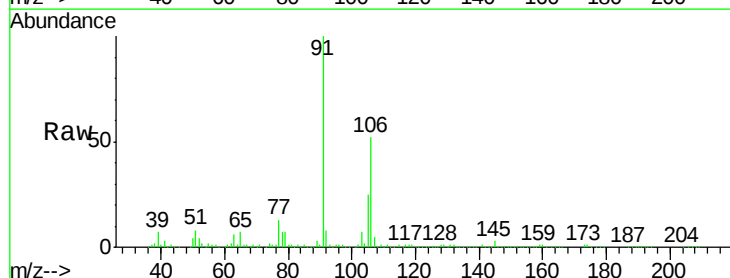
Instrument :
MSVOA_N
ClientSampleId :
VN0604WBSD01

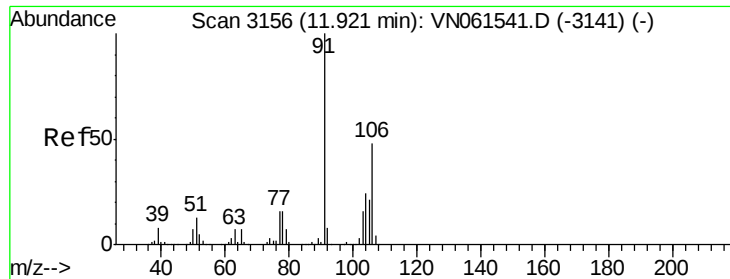
Tot Ion: 91 Resp: 350757
Ion Ratio Lower Upper
91 100
106 33.8 25.6 38.4



#68
m/p-Xylenes
Concen: 36.642 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion: 106 Resp: 279259
Ion Ratio Lower Upper
106 100
91 191.3 156.2 234.4

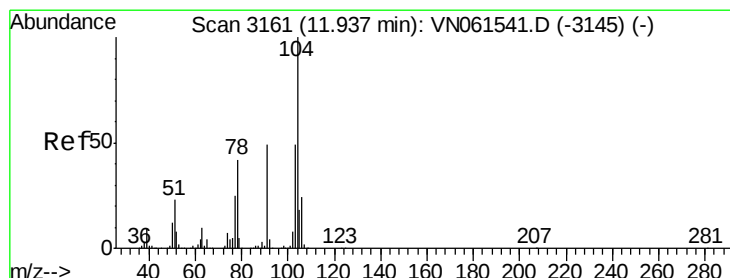
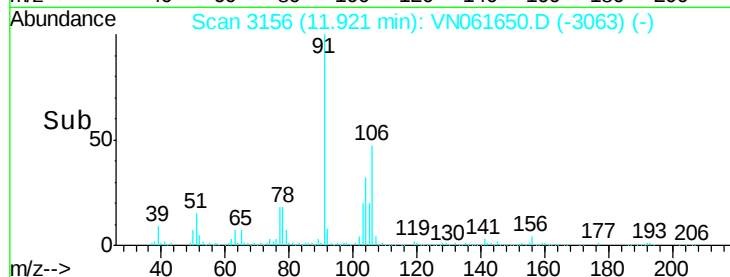
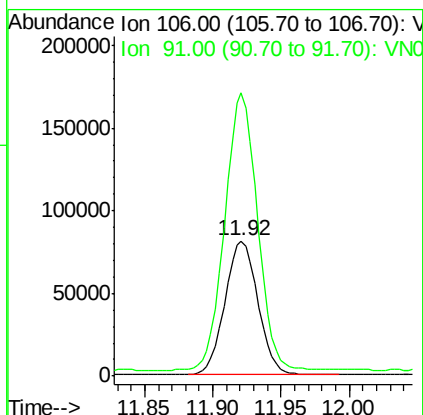
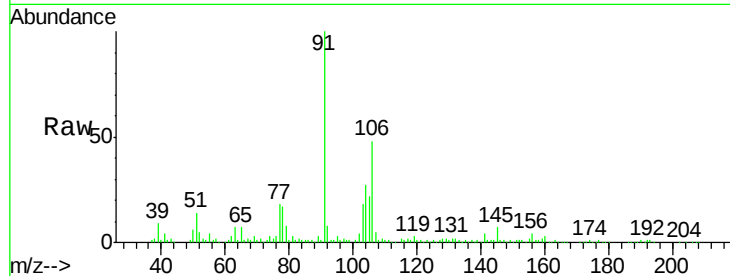




#69
o-Xylene
Concen: 18.846 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

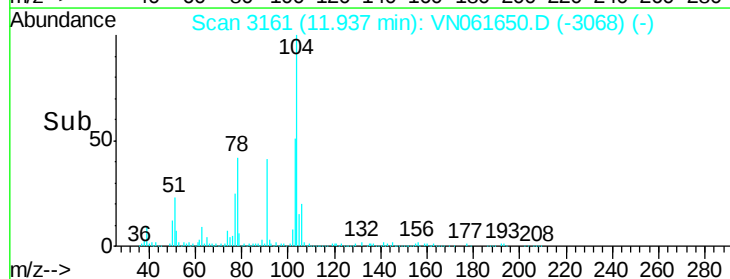
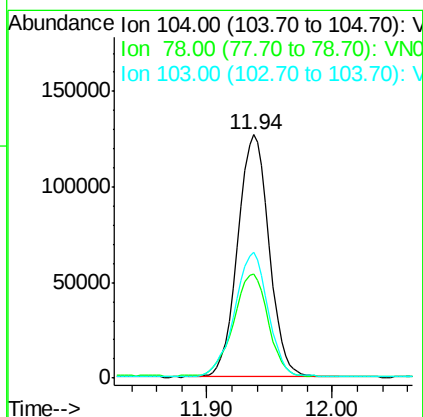
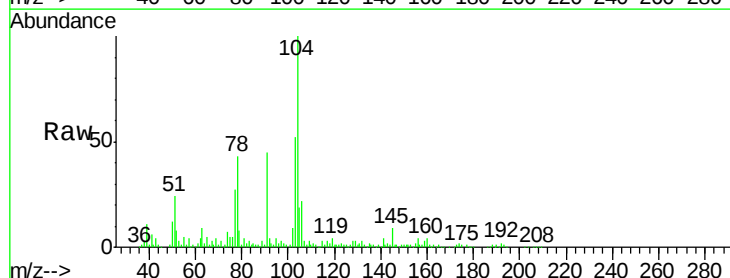
Instrument :
MSVOA_N
ClientSampled :
VN0604WBSD01

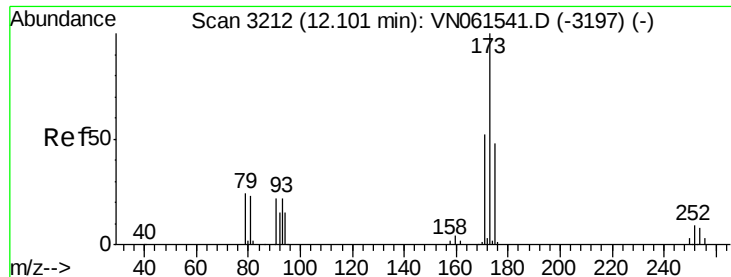
Tot Ion:106 Resp: 136425
Ion Ratio Lower Upper
106 100
91 205.6 103.3 309.8



#70
Styrene
Concen: 18.442 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061650.D
Acq: 4 Jun 2020 14:04

Tgt Ion:104 Resp: 221080
Ion Ratio Lower Upper
104 100
78 46.5 37.4 56.0
103 54.7 42.3 63.5





#71

Bromoform

Concen: 16.104 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

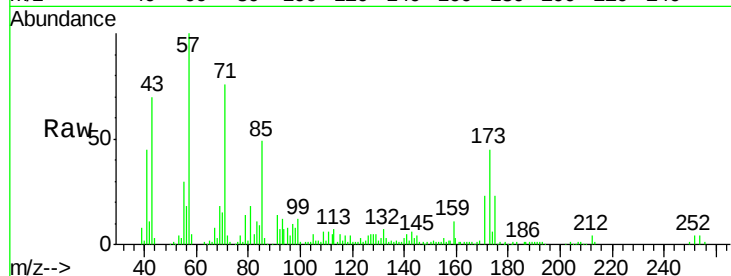
Tot Ion:173 Resp: 51386

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.2

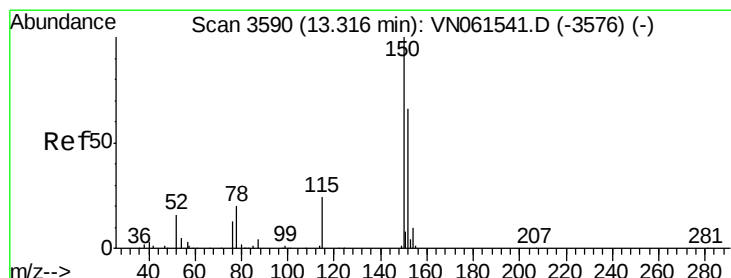
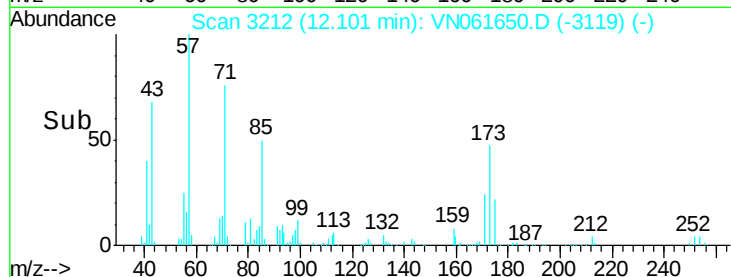
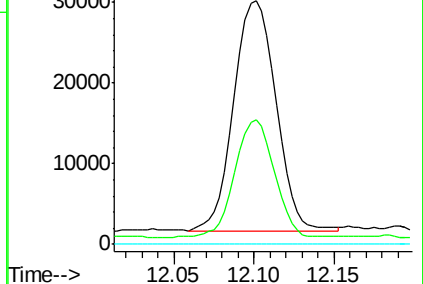
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

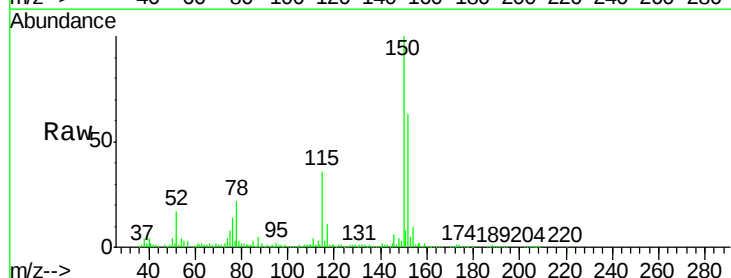
Tgt Ion:152 Resp: 270537

Ion Ratio Lower Upper

152 100

115 56.6 28.0 84.0

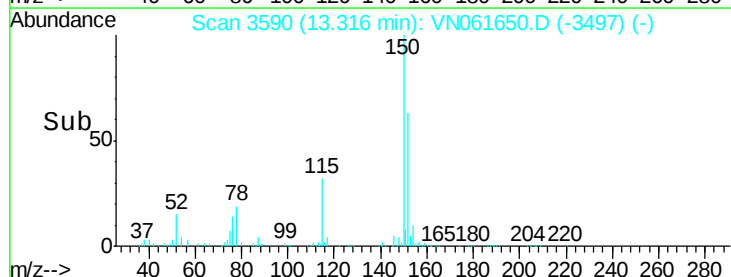
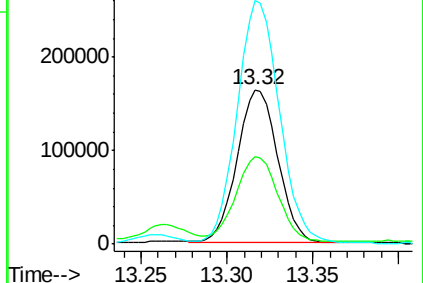
150 163.0 0.0 344.0

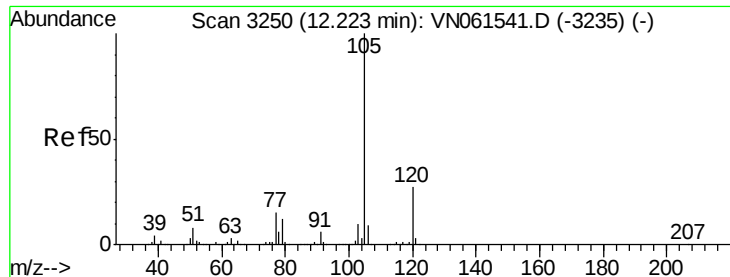


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.096 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

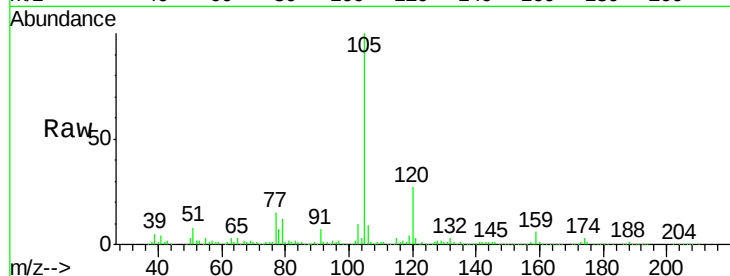
VN0604WBSD01

Tot Ion:105 Resp: 357309

Ion Ratio Lower Upper

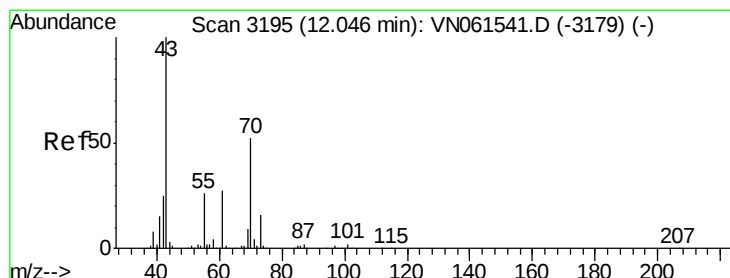
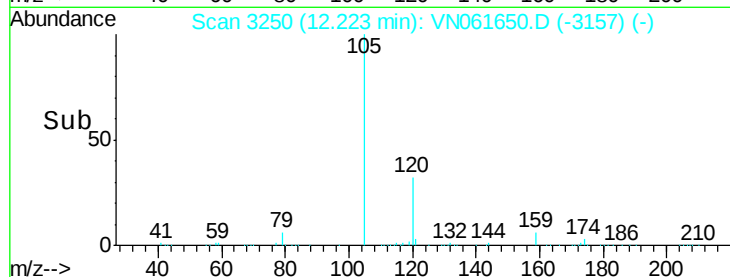
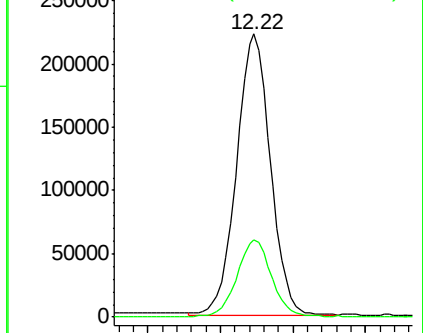
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.328 ug/l m

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Tgt Ion: 43 Resp: 126406

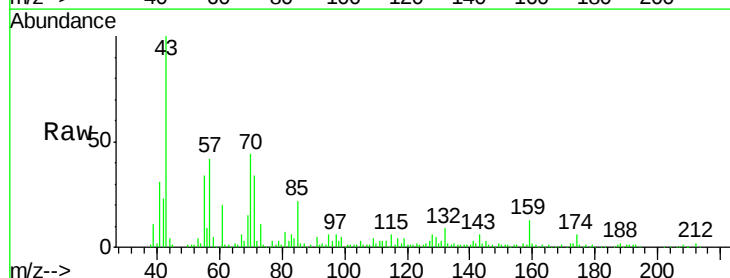
Ion Ratio Lower Upper

43 100

70 52.1 40.5 60.7

55 37.2 20.6 31.0#

61 20.5 21.8 32.6#

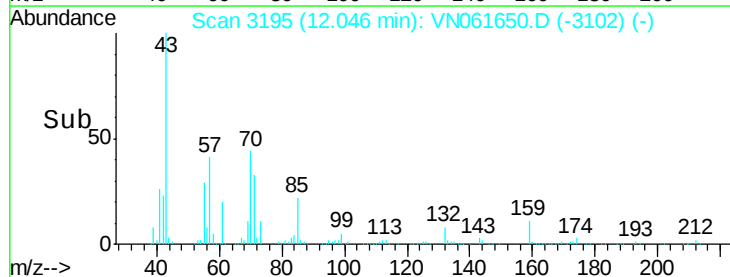
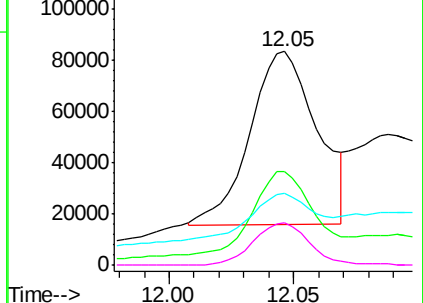


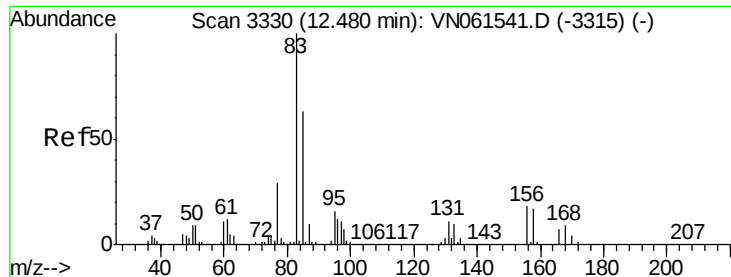
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.855 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

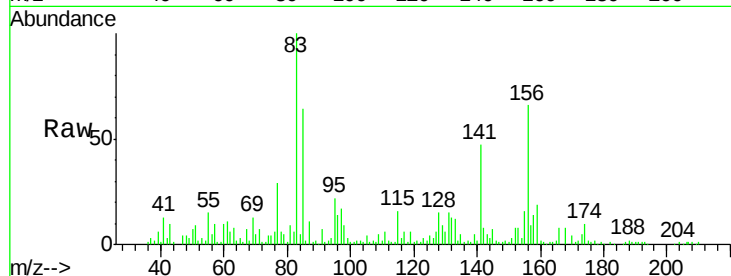
Tot Ion: 83 Resp: 98798

Ion Ratio Lower Upper

83 100

131 13.6 5.5 16.5

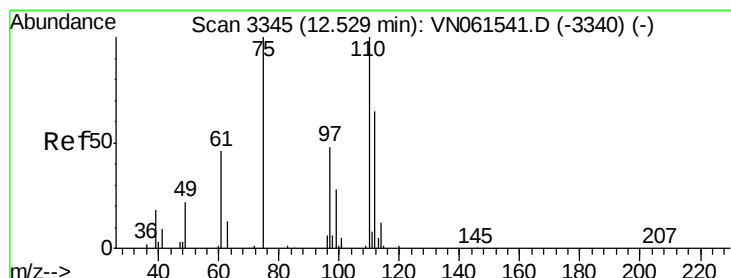
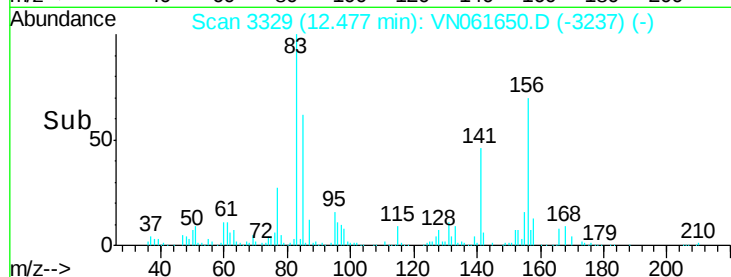
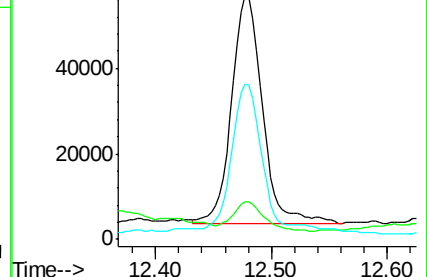
85 59.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 17.009 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061650.D

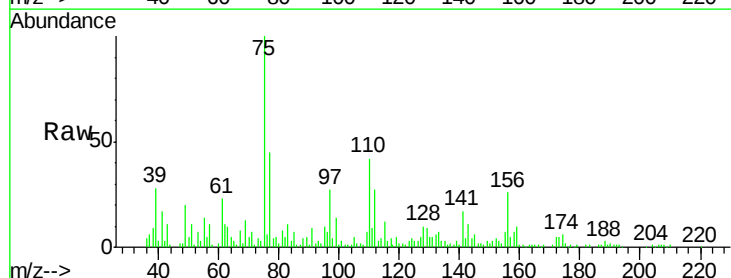
Acq: 4 Jun 2020 14:04

Tgt Ion: 75 Resp: 83675

Ion Ratio Lower Upper

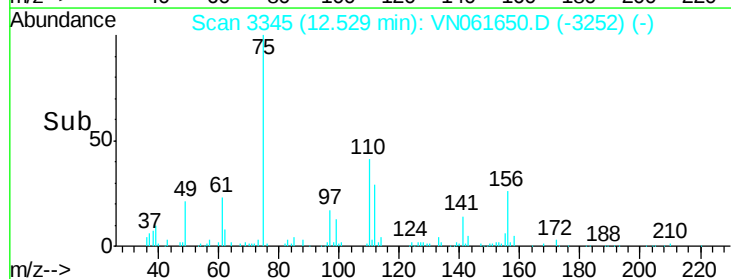
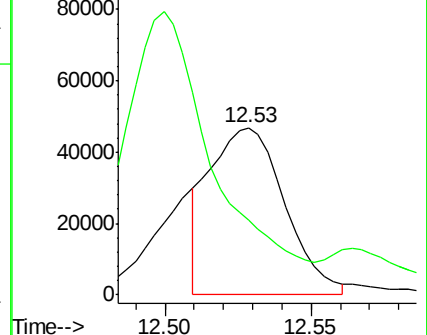
75 100

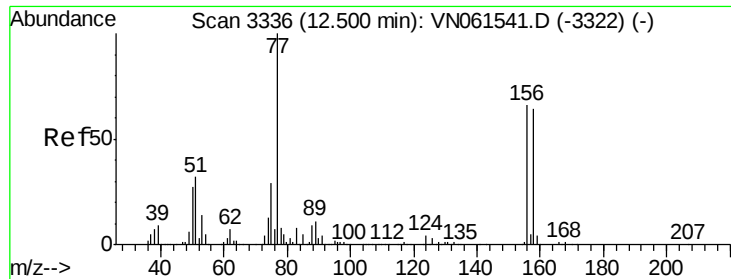
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)





#77

Bromobenzene

Concen: 19.161 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

VN0604WBSD01

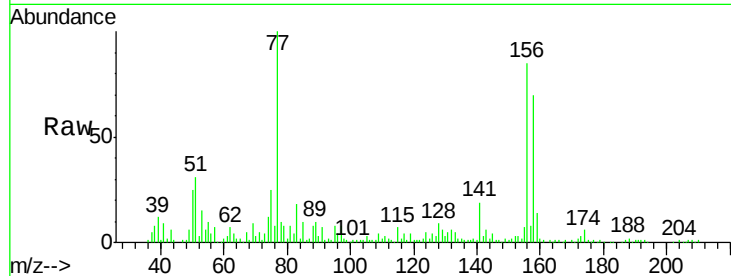
Tot Ion:156 Resp: 96578

Ion Ratio Lower Upper

156 100

77 154.9 90.9 272.7

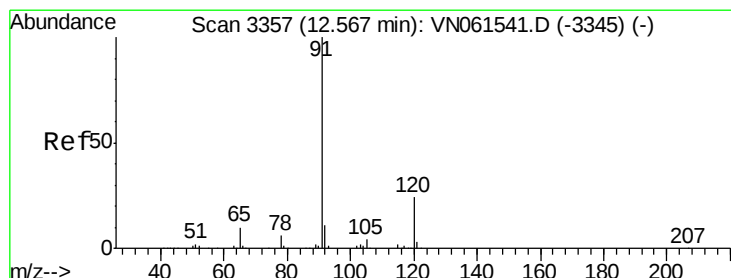
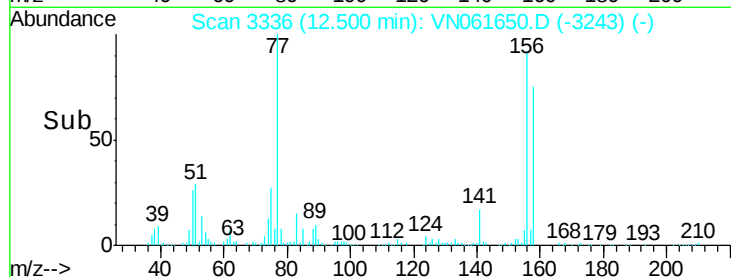
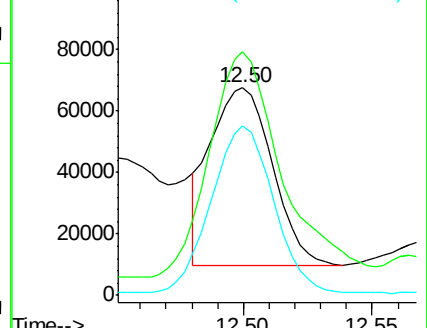
158 94.9 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.778 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061650.D

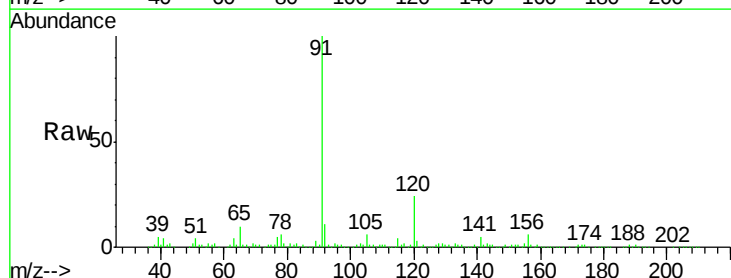
Acq: 4 Jun 2020 14:04

Tgt Ion: 91 Resp: 391885

Ion Ratio Lower Upper

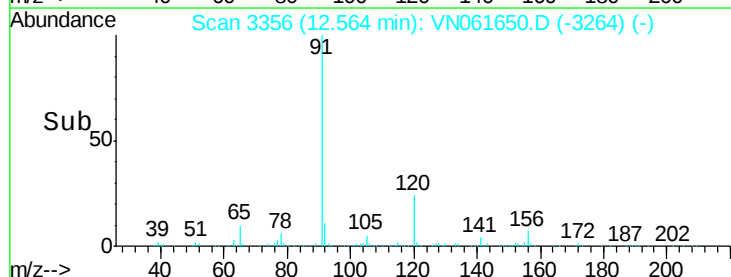
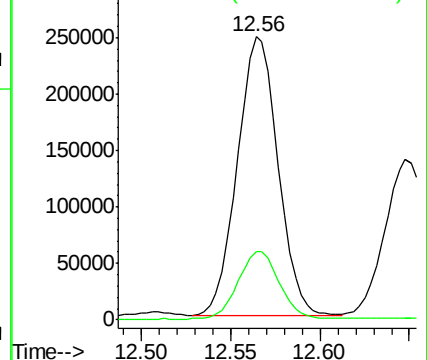
91 100

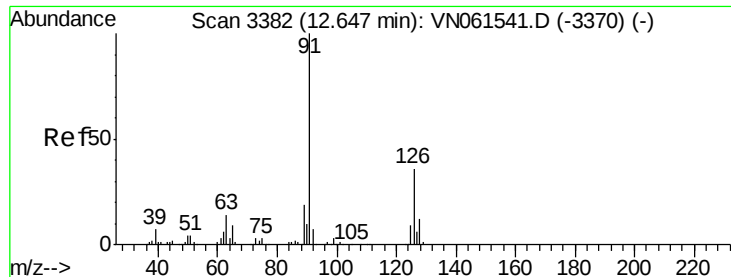
120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.663 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

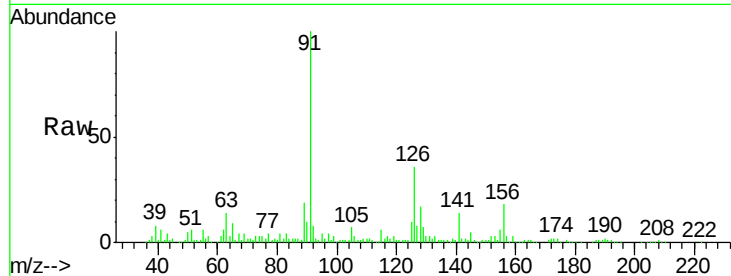
VN0604WBSD01

Tot Ion: 91 Resp: 232160

Ion Ratio Lower Upper

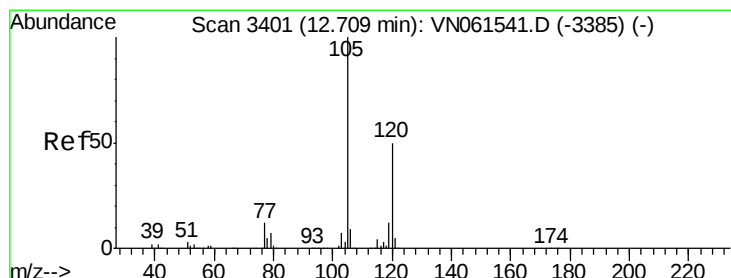
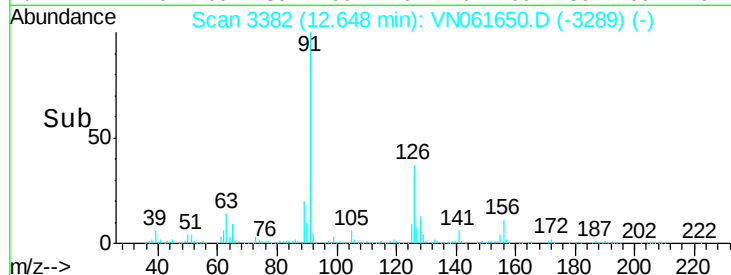
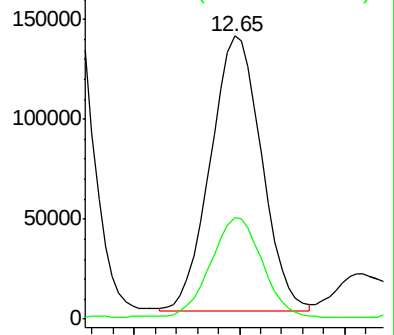
91 100

126 36.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061650.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061650.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.840 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061650.D

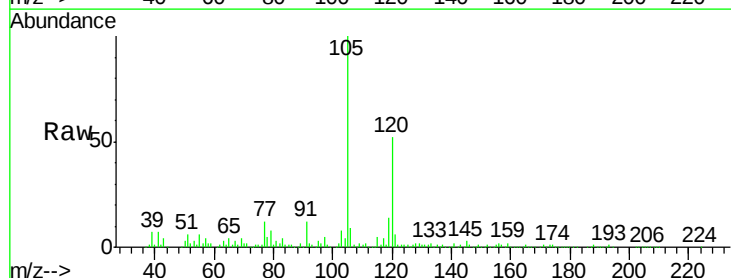
Acq: 4 Jun 2020 14:04

Tgt Ion: 105 Resp: 294427

Ion Ratio Lower Upper

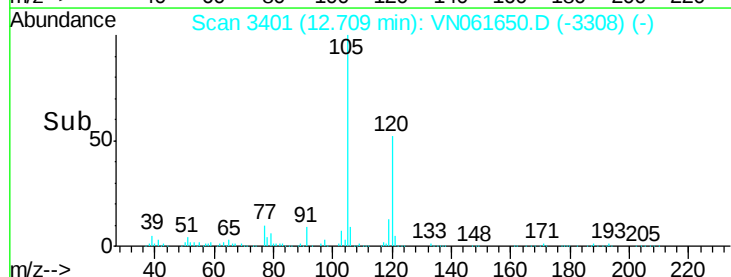
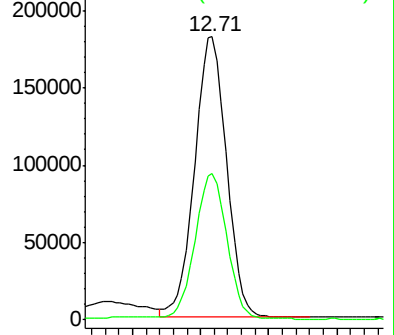
105 100

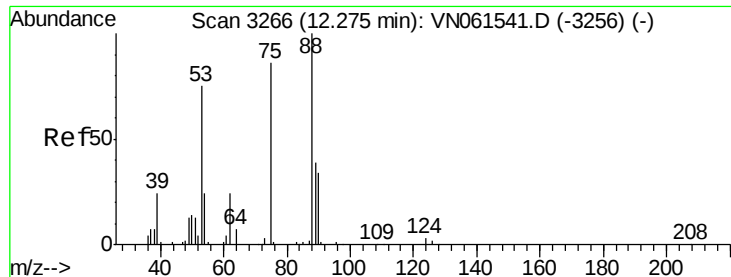
120 52.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061650.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061650.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 13.633 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

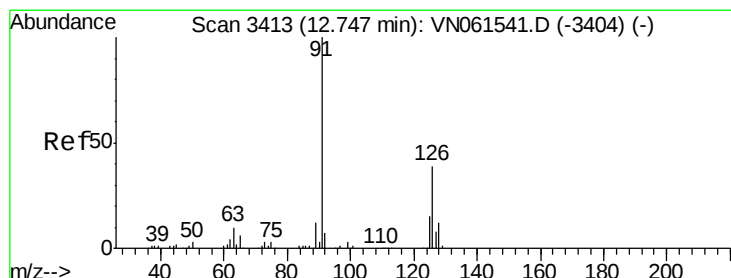
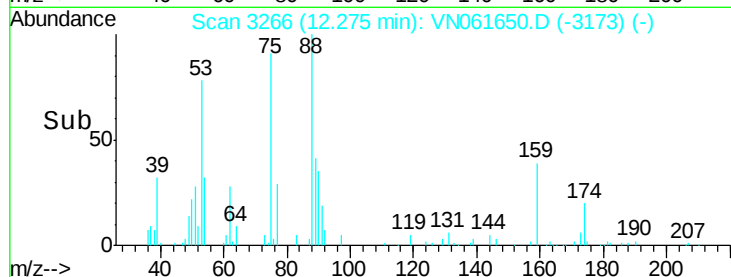
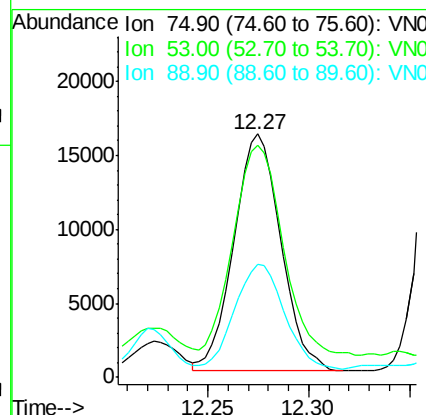
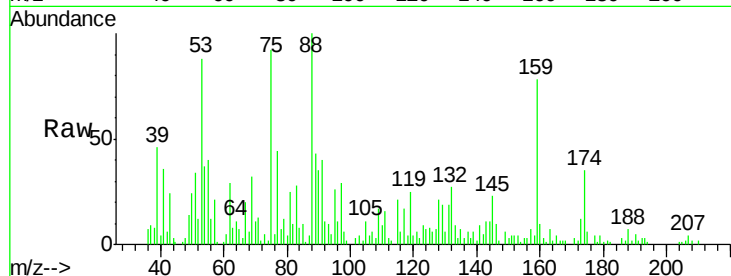
Tot Ion: 75 Resp: 26226

Ion Ratio Lower Upper

75 100

53 95.6 67.8 101.8

89 46.6 37.1 55.7



#82

4-Chlorotoluene

Concen: 17.110 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061650.D

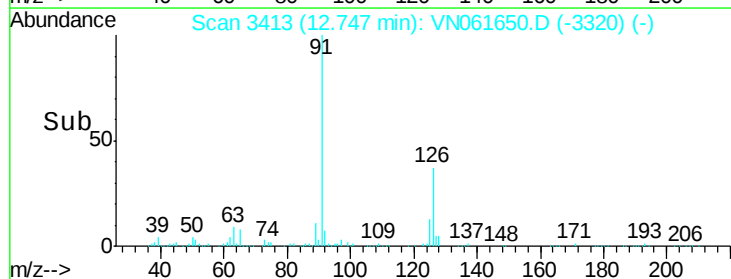
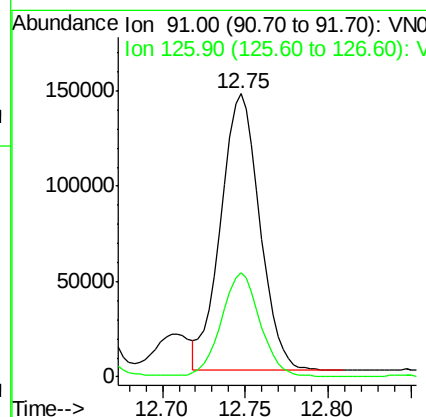
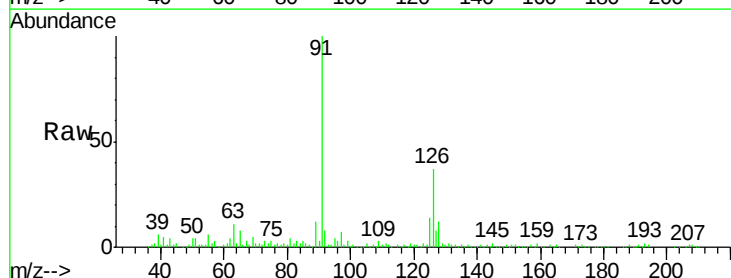
Acq: 4 Jun 2020 14:04

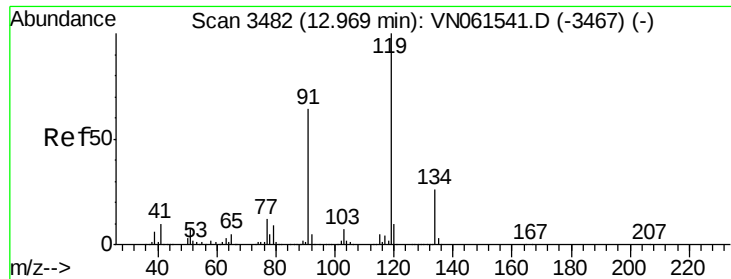
Tgt Ion: 91 Resp: 236598

Ion Ratio Lower Upper

91 100

126 36.5 17.5 52.6





#83

tert-Butylbenzene

Concen: 17.220 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

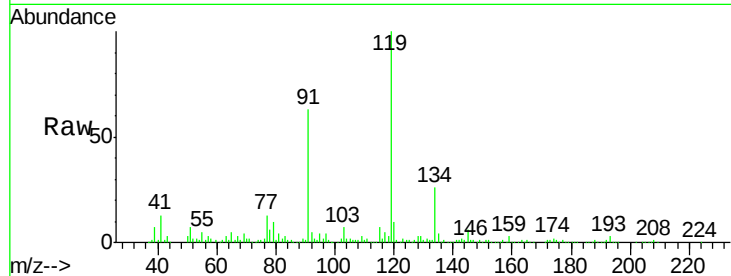
Tot Ion:119 Resp: 251105

Ion Ratio Lower Upper

119 100

91 60.5 31.3 93.8

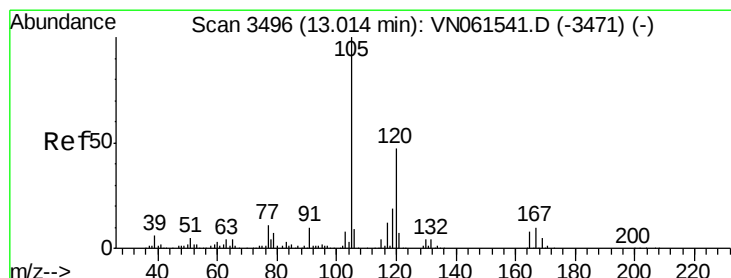
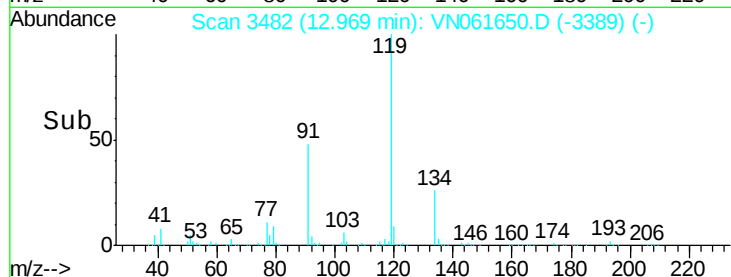
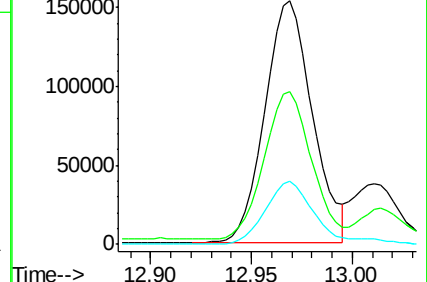
134 26.9 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.037 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN061650.D

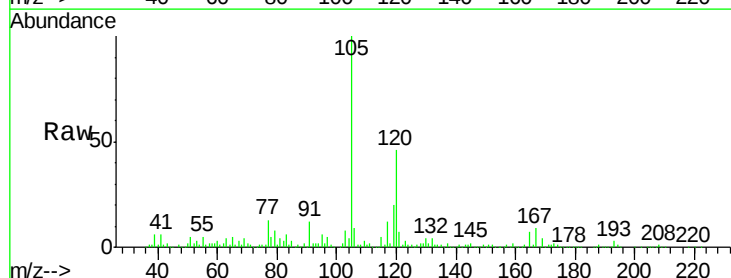
Acq: 4 Jun 2020 14:04

Tgt Ion:105 Resp: 295721

Ion Ratio Lower Upper

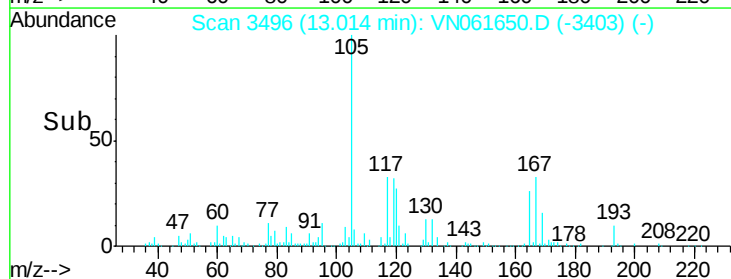
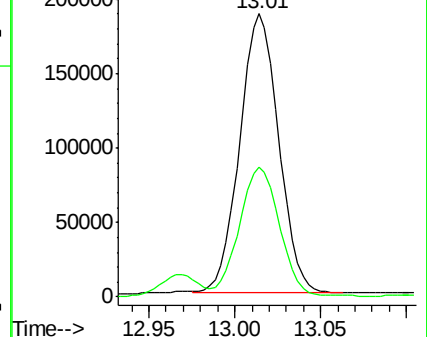
105 100

120 47.2 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.736 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

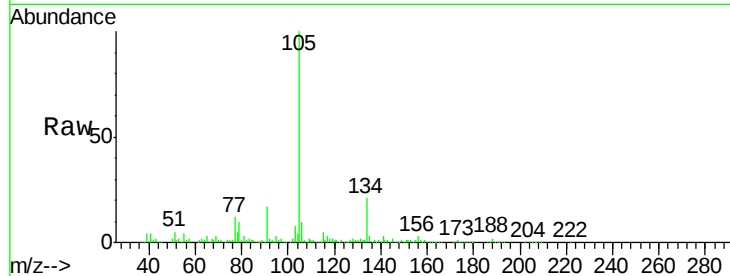
VN0604WBSD01

Tot Ion:105 Resp: 314459

Ion Ratio Lower Upper

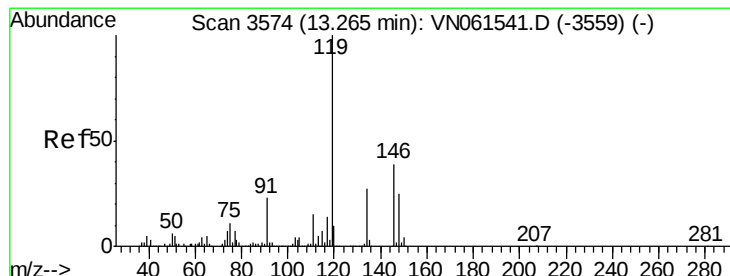
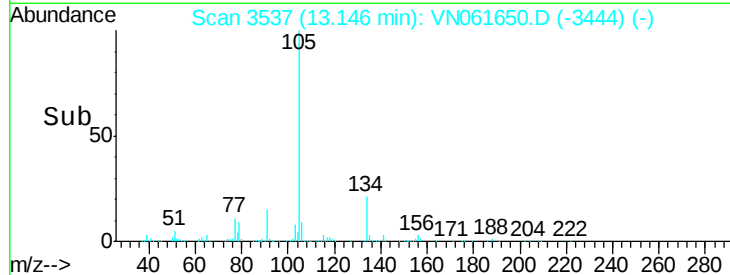
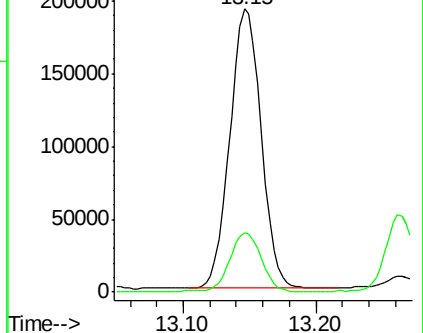
105 100

134 21.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.577 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

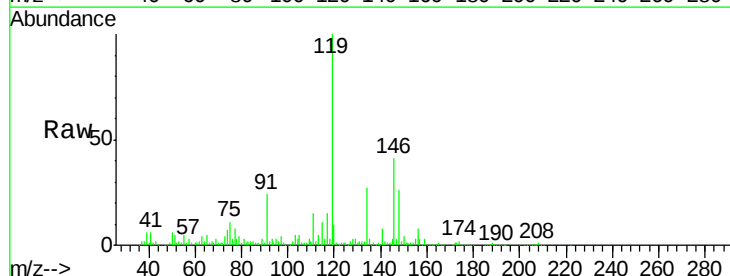
Tgt Ion:119 Resp: 304155

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.5

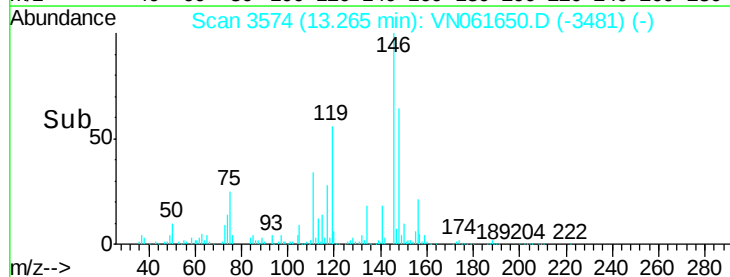
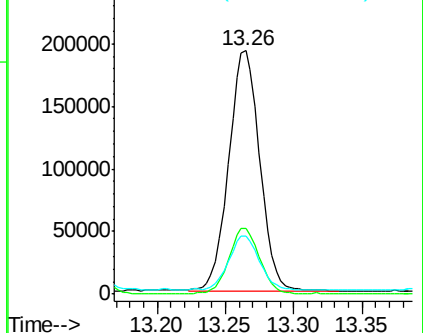
91 22.3 11.4 34.1

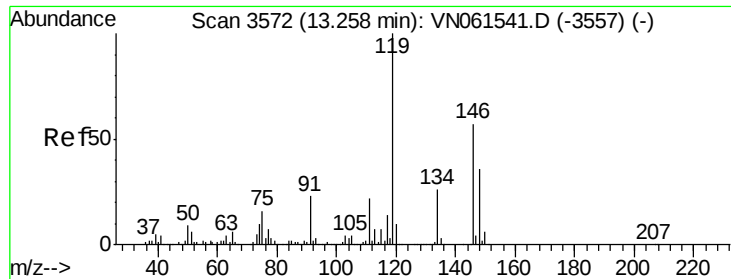


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.359 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

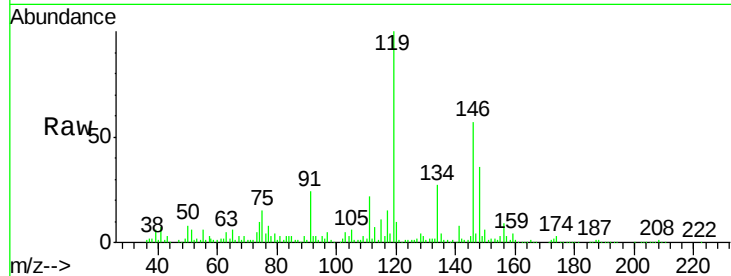
Tot Ion:146 Resp: 163859

Ion Ratio Lower Upper

146 100

111 35.9 19.2 57.6

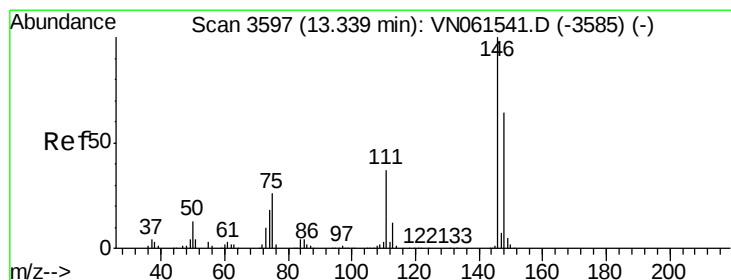
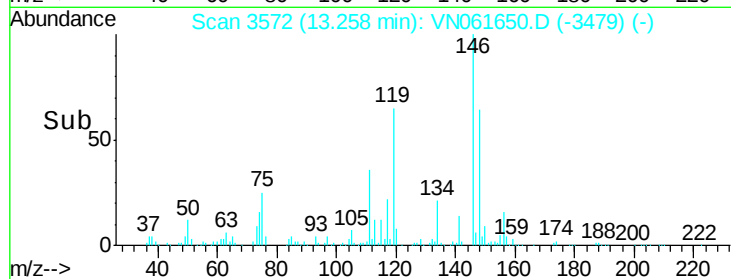
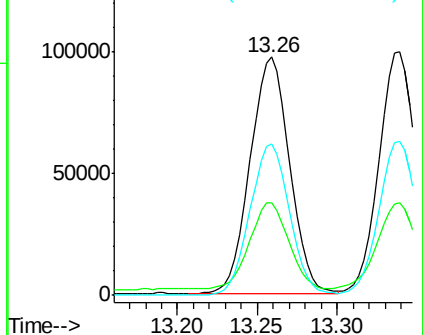
148 63.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.621 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

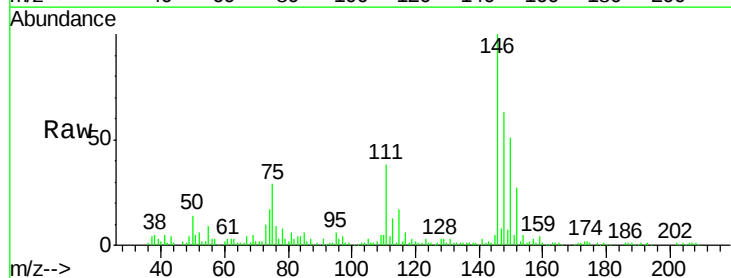
Tgt Ion:146 Resp: 160218

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.9

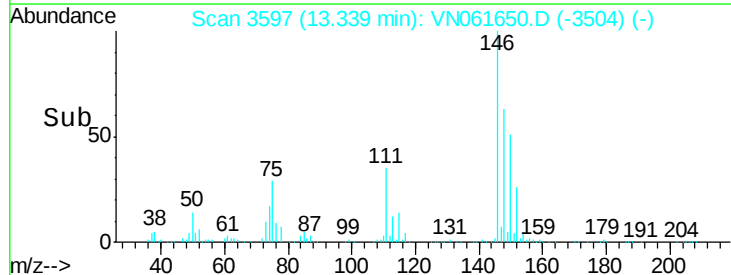
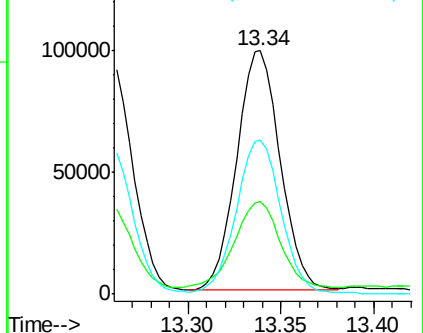
148 65.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 16.878 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

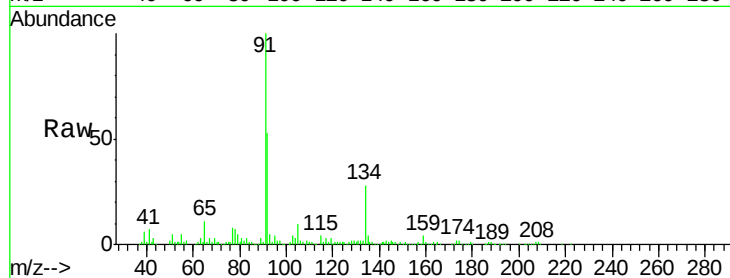
Tot Ion: 91 Resp: 244619

Ion Ratio Lower Upper

91 100

92 52.8 27.2 81.6

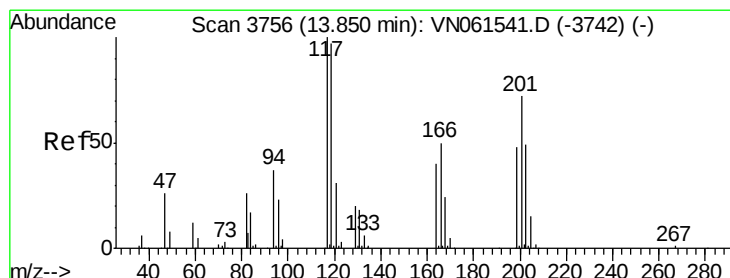
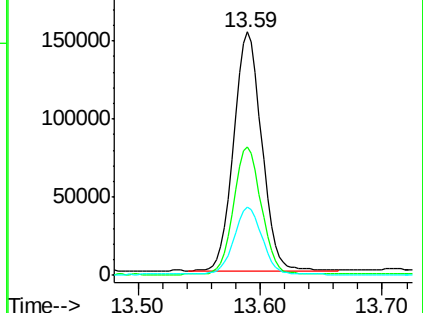
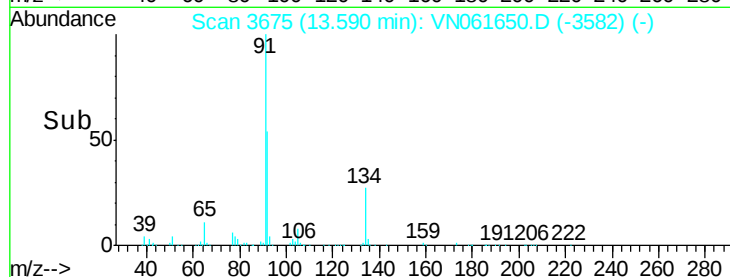
134 28.1 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061650.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061650.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061650.D (-3582) (-)



#90

Hexachloroethane

Concen: 19.093 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061650.D

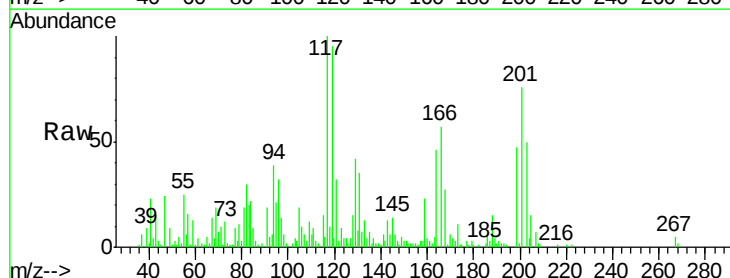
Acq: 4 Jun 2020 14:04

Tgt Ion: 117 Resp: 36538

Ion Ratio Lower Upper

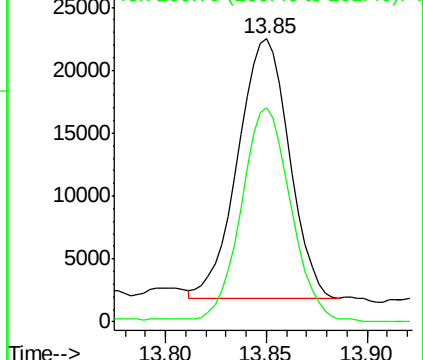
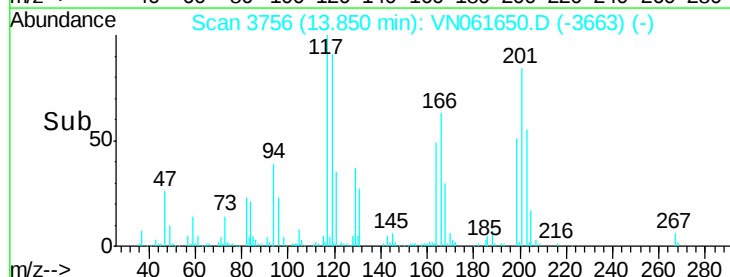
117 100

201 80.4 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061650.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061650.D (-3663) (-)





#91

1,2-Dichlorobenzene

Concen: 18.060 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

VN0604WBSD01

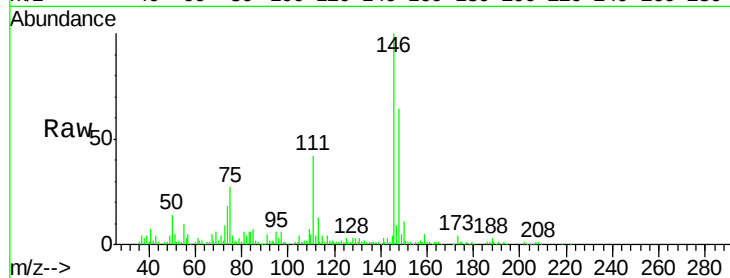
Tot Ion:146 Resp: 154041

Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.2

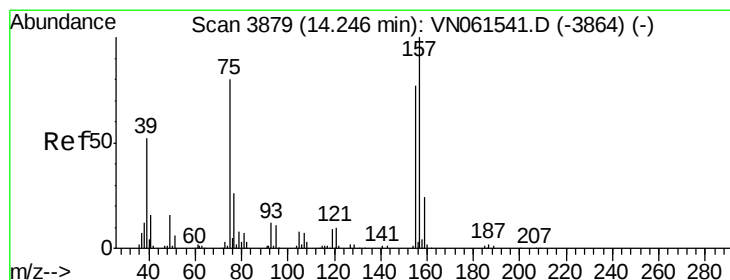
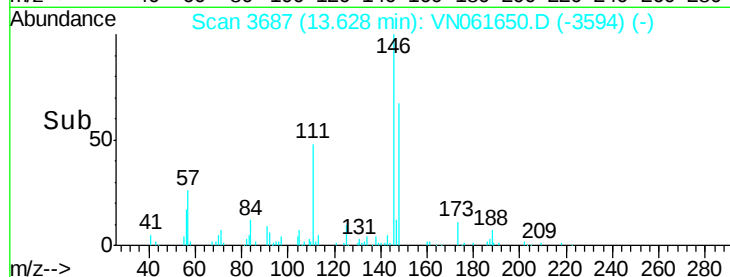
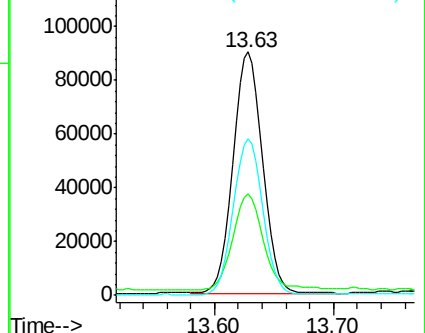
148 64.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 14.415 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

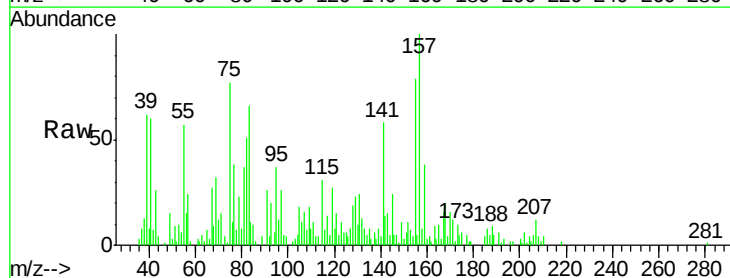
Tgt Ion: 75 Resp: 16267

Ion Ratio Lower Upper

75 100

155 99.3 47.1 141.4

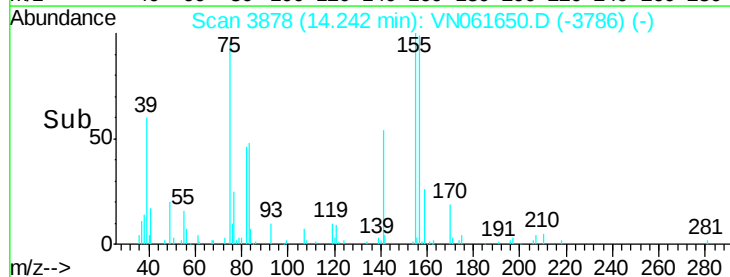
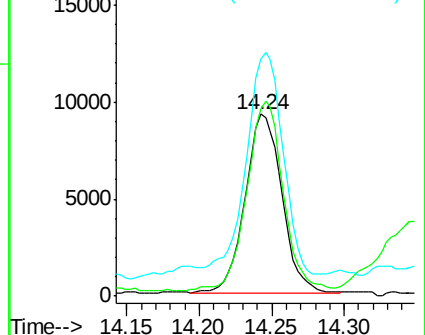
157 123.7 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

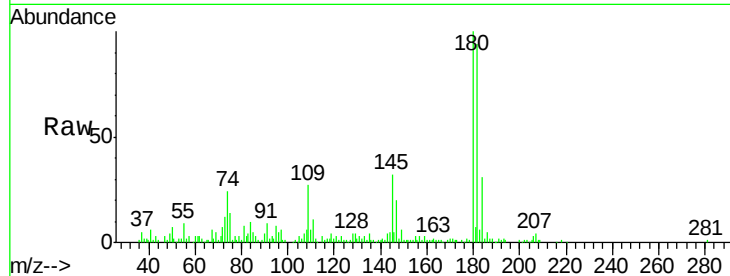




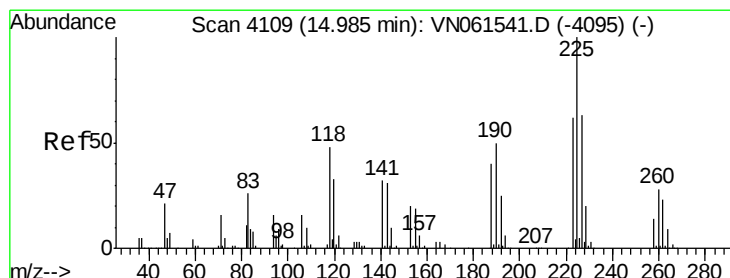
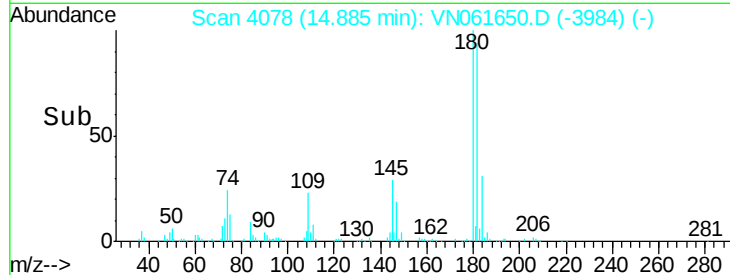
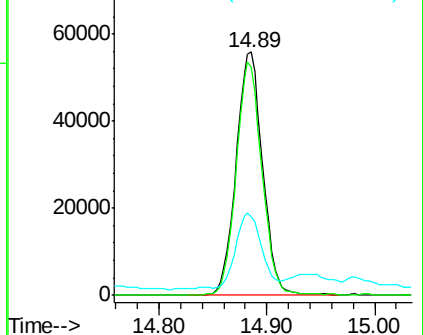
#93
 1,2,4-Trichlorobenzene
 Concen: 19.237 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0604WBSD01

Tot Ion:180 Resp: 95960
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.8 143.3
 145 29.6 15.5 46.5

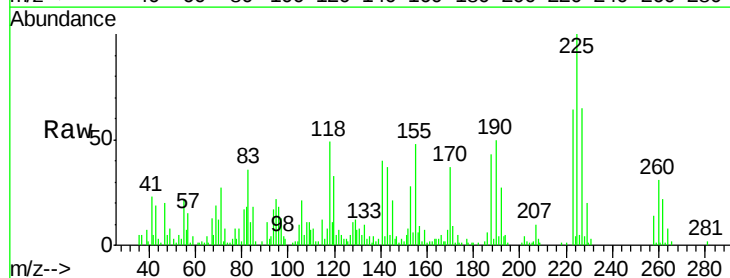


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

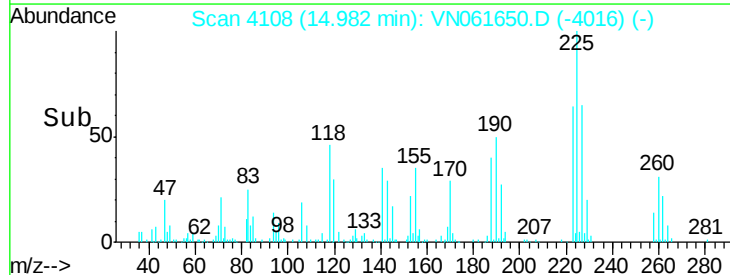
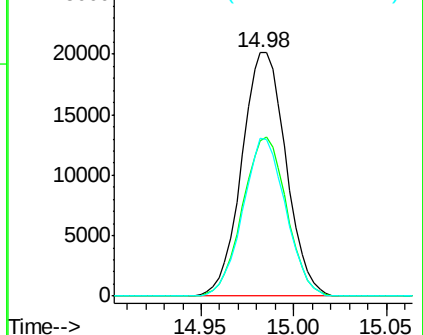


#94
 Hexachlorobutadiene
 Concen: 15.741 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061650.D
 Acq: 4 Jun 2020 14:04

Tgt Ion:225 Resp: 33489
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.9 95.5
 227 62.7 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.104 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0604WBSD01

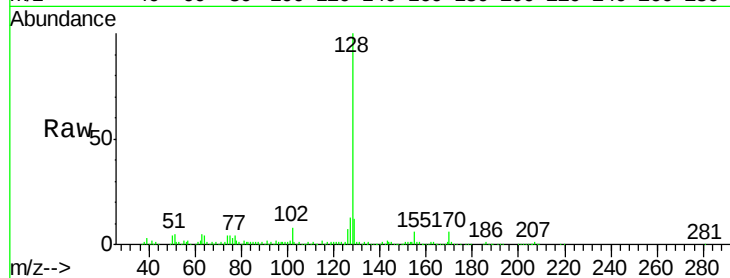
Tot Ion:128 Resp: 290063

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

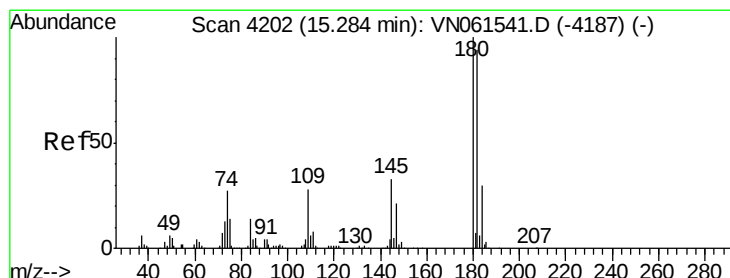
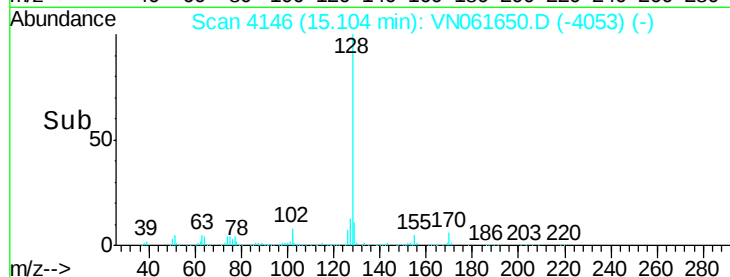
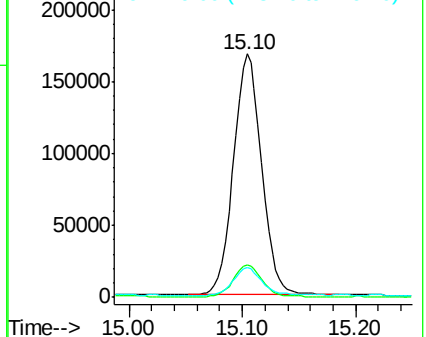
129 11.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.780 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061650.D

Acq: 4 Jun 2020 14:04

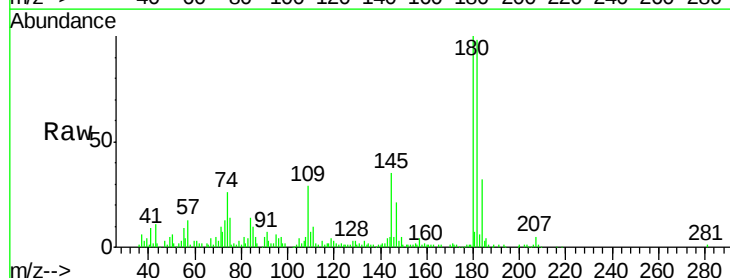
Tgt Ion:180 Resp: 92106

Ion Ratio Lower Upper

180 100

182 96.1 47.1 141.3

145 33.7 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

