

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063050.D
 Acq On : 20 Aug 2020 22:02
 Operator : JC/MD
 Sample : VN0820WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Quant Time: Aug 21 06:38:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	171551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116817	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	105767	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	7.55	113	87588	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	10.06	98	336778	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.38	95	114947	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	46564	20.937	ug/l	99
3) Chloromethane	2.03	50	51018	21.690	ug/l	99
4) Vinyl Chloride	2.16	62	51523	22.650	ug/l	97
5) Bromomethane	2.52	94	30555	22.630	ug/l	99
6) Chloroethane	2.67	64	29514	21.975	ug/l	99
7) Trichlorofluoromethane	2.98	101	60249	21.238	ug/l	97
8) Diethyl Ether	3.37	74	19831	19.761	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	30917	20.225	ug/l	97
10) Methyl Iodide	3.91	142	37786	19.502	ug/l	98
11) Tert butyl alcohol	4.74	59	26484	91.960	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	28078	19.282	ug/l	97
13) Acrolein	3.57	56	4592	50.897	ug/l	96
14) Allyl chloride	4.28	41	49838	19.411	ug/l	100
15) Acrylonitrile	4.94	53	88237	104.241	ug/l	99
16) Acetone	3.78	43	68052	105.058	ug/l	99
17) Carbon Disulfide	4.01	76	76010	19.931	ug/l	98
18) Methyl Acetate	4.28	43	41245	20.413	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	104480	20.574	ug/l	98
20) Methylene Chloride	4.50	84	39004	20.983	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	31321	20.553	ug/l	98
22) Diisopropyl ether	5.90	45	126561	21.722	ug/l	92
23) Vinyl Acetate	5.85	43	388231	98.743	ug/l	100
24) 1,1-Dichloroethane	5.80	63	67251	20.656	ug/l	99
25) 2-Butanone	6.79	43	108978	100.959	ug/l	98
26) 2,2-Dichloropropane	6.78	77	45721	17.856	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	39642	20.754	ug/l	96
28) Bromochloromethane	7.15	49	33478	19.652	ug/l	97
29) Tetrahydrofuran	7.17	42	73178	105.041	ug/l	99
30) Chloroform	7.33	83	68380	20.854	ug/l	99
31) Cyclohexane	7.62	56	61301	20.457	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	55058	20.567	ug/l	99
36) 1,1-Dichloropropene	7.75	75	44491	19.276	ug/l	98
37) Ethyl Acetate	6.89	43	42348	19.581	ug/l	99
38) Carbon Tetrachloride	7.73	117	46642	20.017	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	53502	18.196	ug/l	93
40) Benzene	8.00	78	148050	20.225	ug/l	100
41) Methacrylonitrile	7.12	41	18444	17.900	ug/l	90
42) 1,2-Dichloroethane	8.09	62	51967	21.142	ug/l	100
43) Isopropyl Acetate	8.13	43	70913	19.792	ug/l	100
44) Trichloroethene	8.80	130	35656	19.582	ug/l	95
45) 1,2-Dichloropropane	9.09	63	43429	20.524	ug/l	99
46) Dibromomethane	9.18	93	25521	20.878	ug/l	99
47) Bromodichloromethane	9.37	83	55005	20.545	ug/l	99
48) Methyl methacrylate	9.17	41	33594	19.817	ug/l	98
49) 1,4-Dioxane	9.17	88	13093	360.903	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	231616	102.273	ug/l	99
52) Toluene	10.13	92	90866	20.577	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	54779	19.785	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	61218	20.156	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	39035	20.673	ug/l	97
56) Ethyl methacrylate	10.40	69	50691	18.518	ug/l	97
57) 1,3-Dichloropropane	10.68	76	64843	20.681	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	47259	75.604	ug/l	99
59) 2-Hexanone	10.72	43	160880	101.844	ug/l	97
60) Dibromochloromethane	10.87	129	41737	19.974	ug/l	99
61) 1,2-Dibromoethane	10.98	107	37730	20.796	ug/l	99
64) Tetrachloroethene	10.60	164	33366	20.302	ug/l	97
65) Chlorobenzene	11.41	112	100026	19.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	39118	20.029	ug/l	99
67) Ethyl Benzene	11.49	91	168492	19.858	ug/l	98
68) m/p-Xylenes	11.60	106	128936	40.887	ug/l	100
69) o-Xylene	11.92	106	60679	20.038	ug/l	98
70) Styrene	11.94	104	107380	19.105	ug/l	99
71) Bromoform	12.10	173	30548	19.650	ug/l #	100
73) Isopropylbenzene	12.23	105	165304	20.664	ug/l	100
74) N-amyl acetate	12.05	43	57509	20.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	57296	21.226	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	67353	29.662	ug/l #	100
77) Bromobenzene	12.50	156	44649	20.294	ug/l	98
78) n-propylbenzene	12.57	91	193837	21.258	ug/l	99
79) 2-Chlorotoluene	12.65	91	118628	20.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	138813	20.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	16025	19.383	ug/l	96
82) 4-Chlorotoluene	12.75	91	120957	20.712	ug/l	100
83) tert-Butylbenzene	12.97	119	117536	20.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	133692	20.752	ug/l	100
85) sec-Butylbenzene	13.15	105	158849	20.593	ug/l	100
86) p-Isopropyltoluene	13.26	119	133625	19.881	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	77904	20.603	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	77050	20.077	ug/l	99
89) n-Butylbenzene	13.59	91	101559	17.830	ug/l	99
90) Hexachloroethane	13.85	117	28762	20.133	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	75418	20.649	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	8583	21.304	ug/l	99

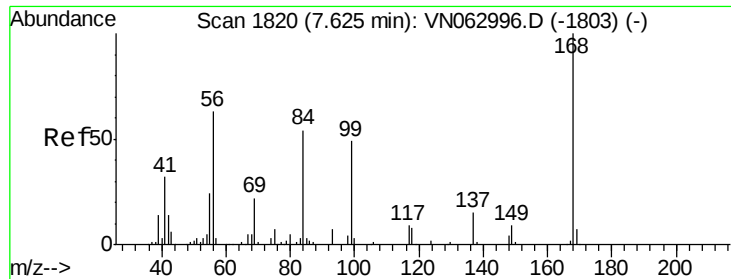
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	30445	18.216	ug/l	99
94) Hexachlorobutadiene	14.99	225	24898	18.448	ug/l	98
95) Naphthalene	15.11	128	64119	17.847	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	29710	17.748	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

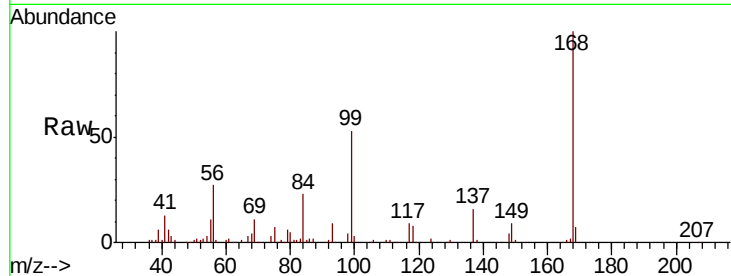
VN0820WBS02

Tot Ion:168 Resp: 171551

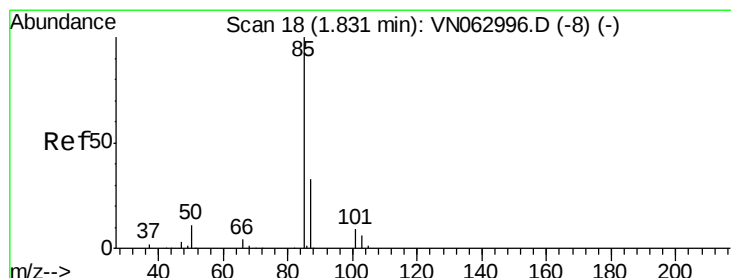
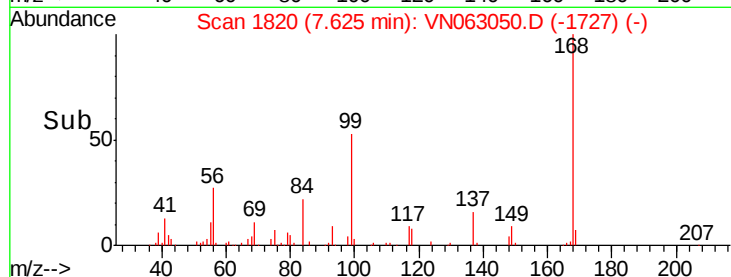
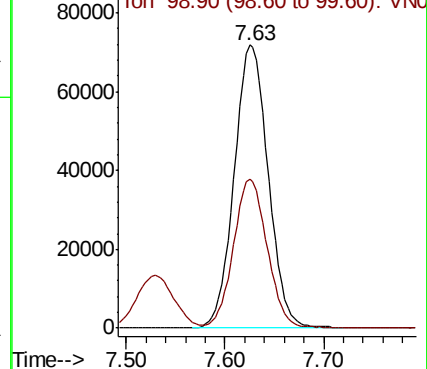
Ion Ratio Lower Upper

168 100

99 52.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN062996.D (-1803) (-)



#2

Dichlorodifluoromethane

Concen: 20.937 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063050.D

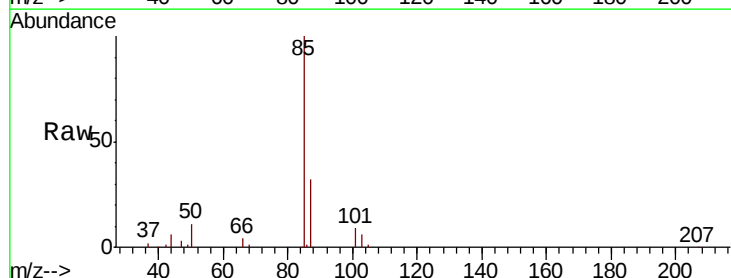
Acq: 20 Aug 2020 22:02

Tgt Ion: 85 Resp: 46564

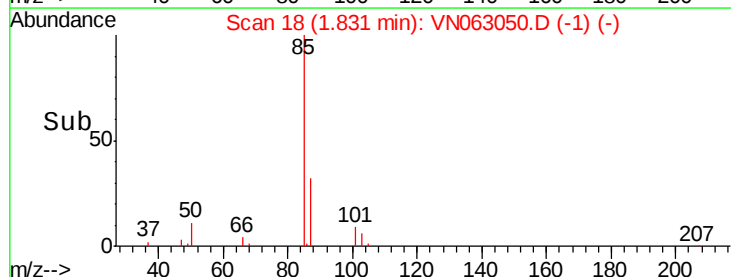
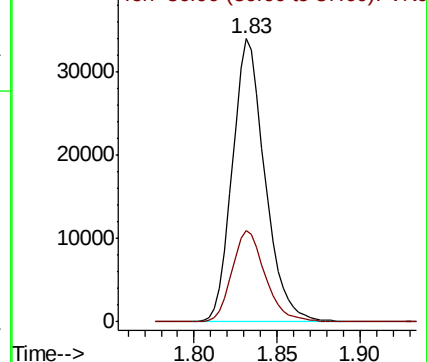
Ion Ratio Lower Upper

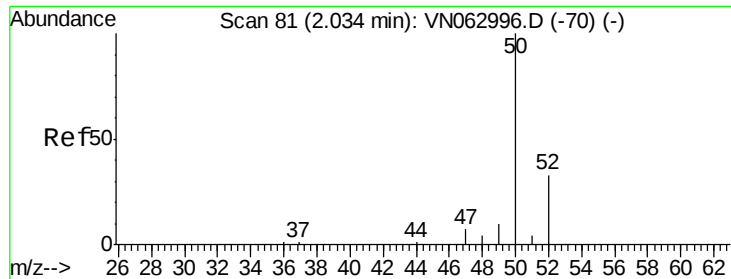
85 100

87 32.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN062996.D (-8) (-)





#3

Chloromethane

Concen: 21.690 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

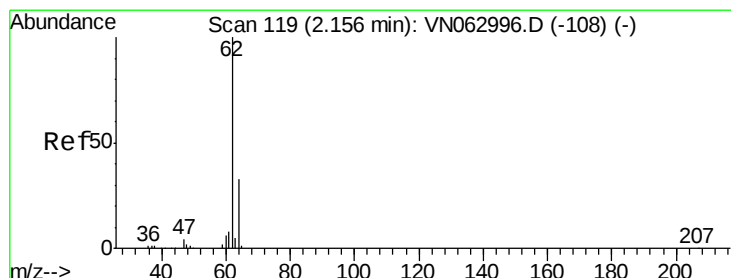
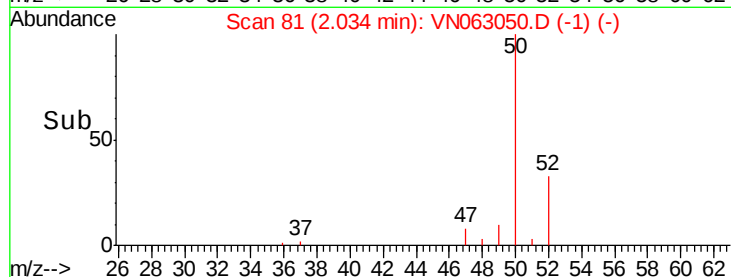
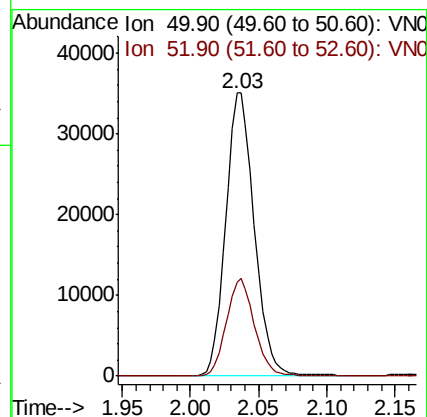
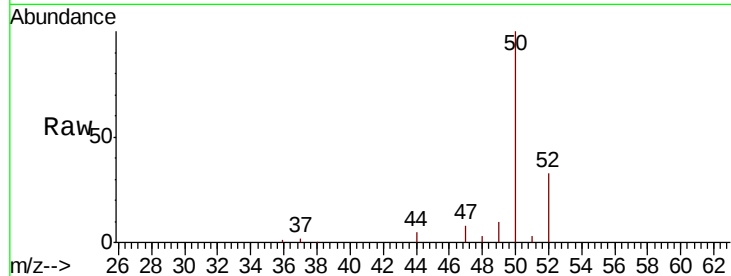
VN0820WBS02

Tot Ion: 50 Resp: 51018

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 22.650 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063050.D

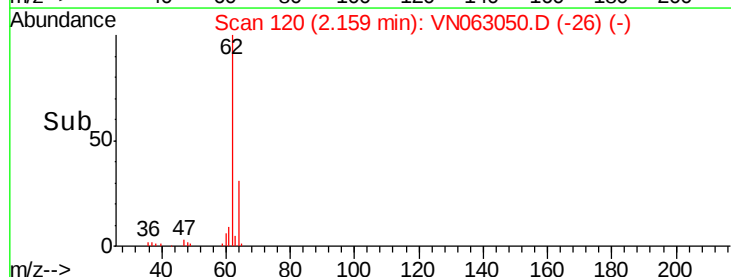
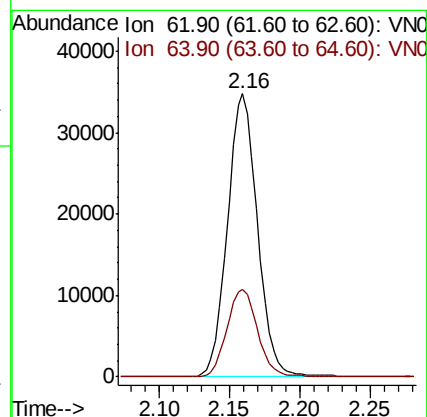
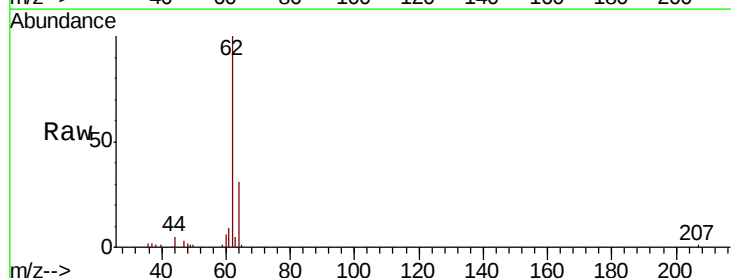
Acq: 20 Aug 2020 22:02

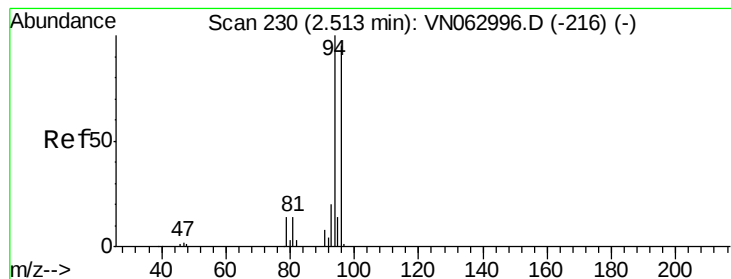
Tgt Ion: 62 Resp: 51523

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2





#5

Bromomethane

Concen: 22.630 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

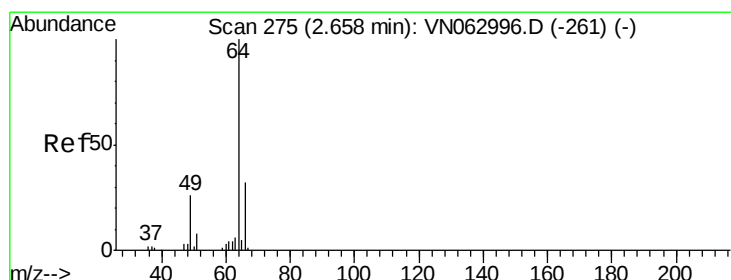
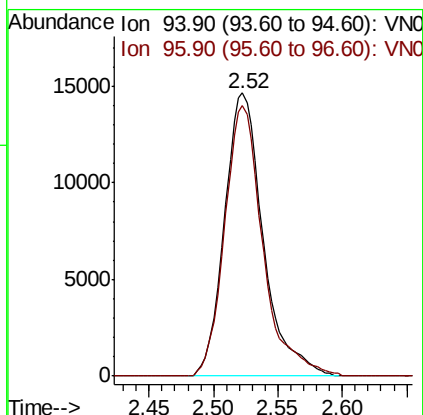
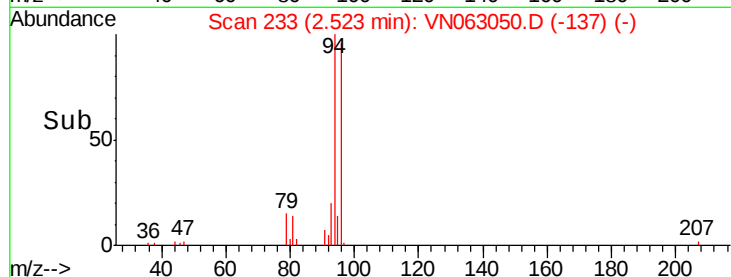
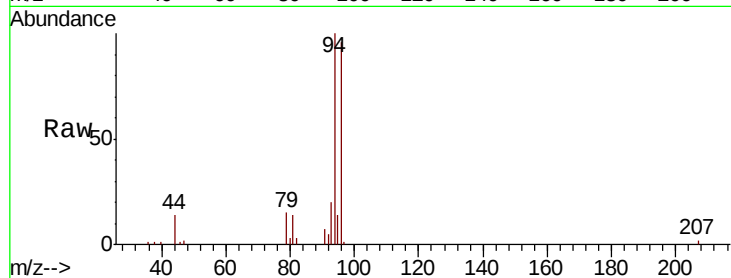
VN0820WBS02

Tot Ion: 94 Resp: 30555

Ion Ratio Lower Upper

94 100

96 95.6 75.8 113.8



#6

Chloroethane

Concen: 21.975 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063050.D

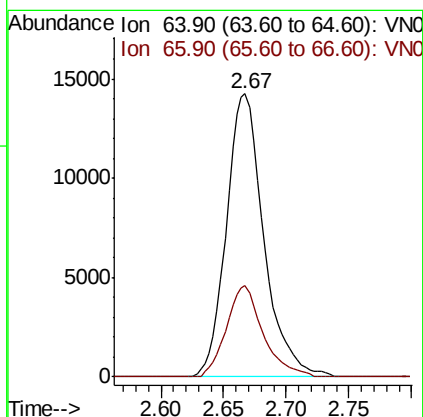
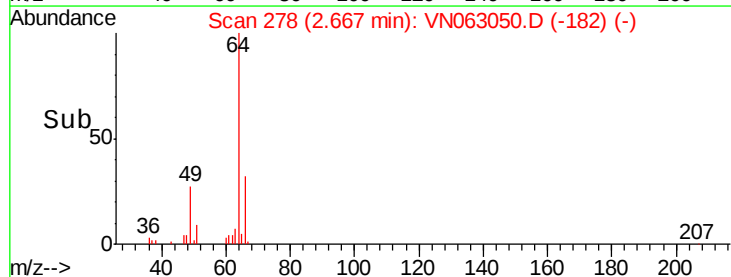
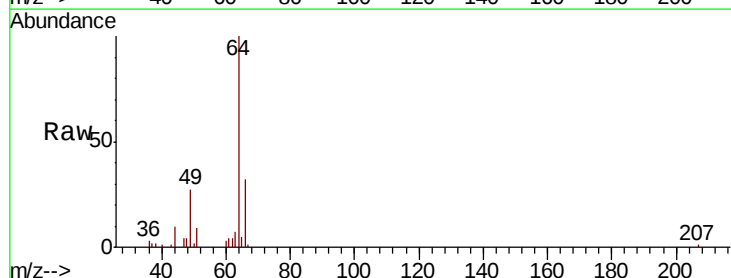
Acq: 20 Aug 2020 22:02

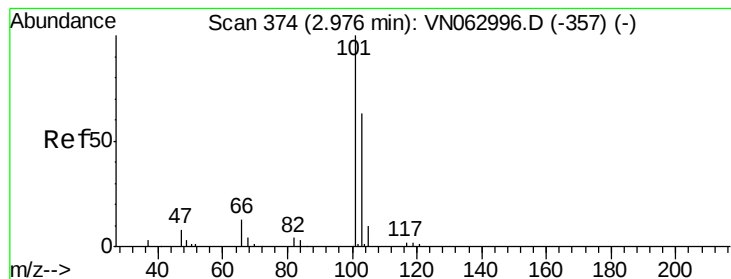
Tgt Ion: 64 Resp: 29514

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.0



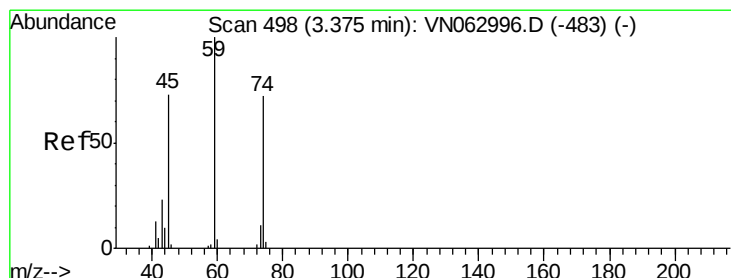
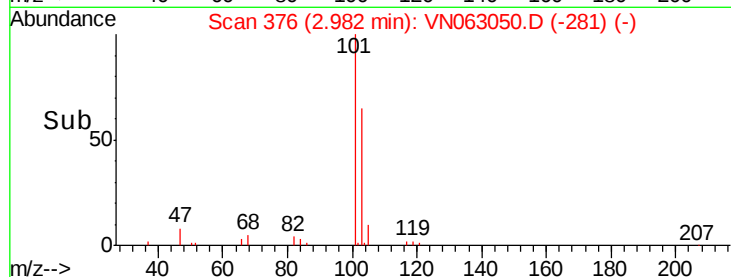
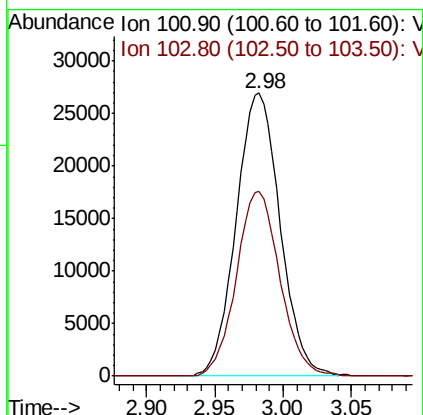
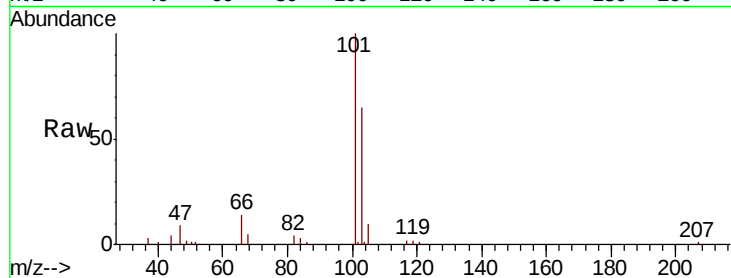


#7

Trichlorofluoromethane
 Concen: 21.238 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
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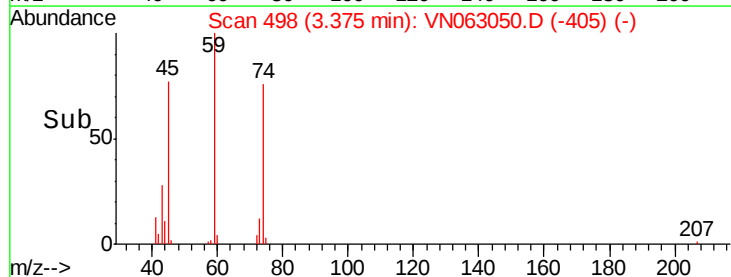
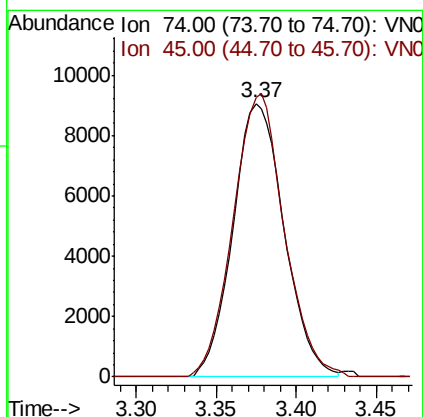
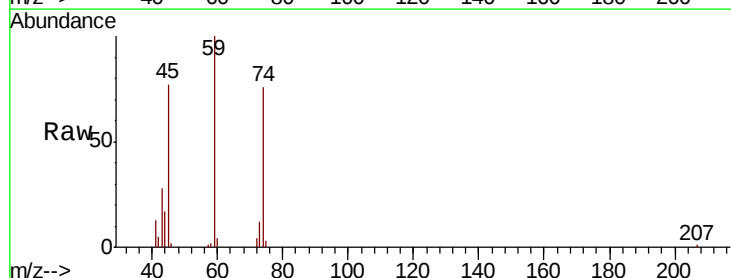
Tot Ion:101 Resp: 60249
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.5 75.7

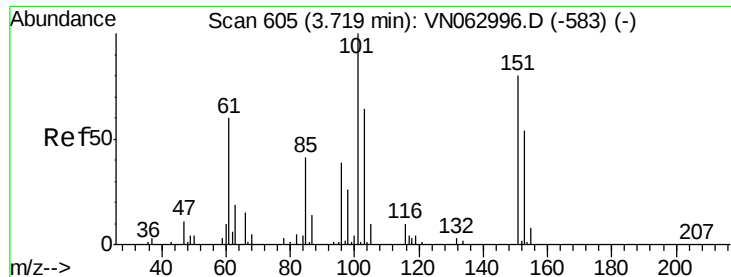


#8

Diethyl Ether
 Concen: 19.761 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion: 74 Resp: 19831
 Ion Ratio Lower Upper
 74 100
 45 103.6 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.225 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

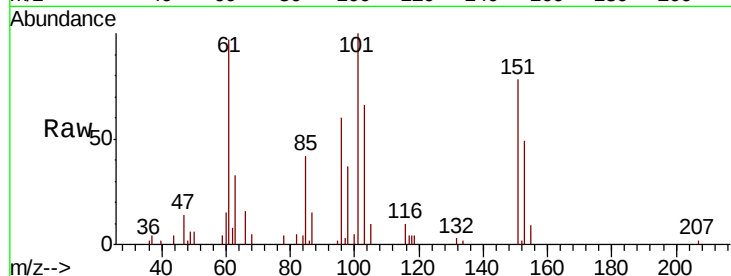
Tot Ion:101 Resp: 30917

Ion Ratio Lower Upper

101 100

85 43.8 34.0 51.0

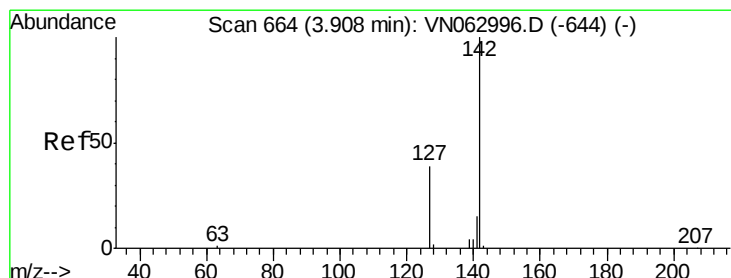
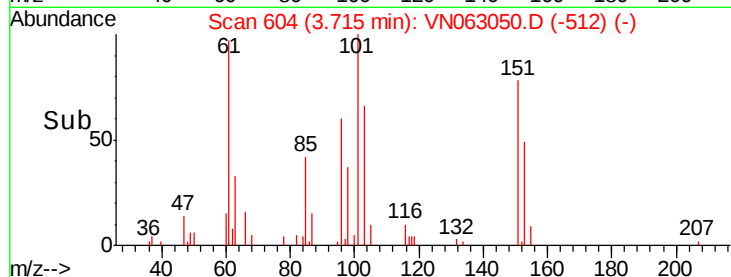
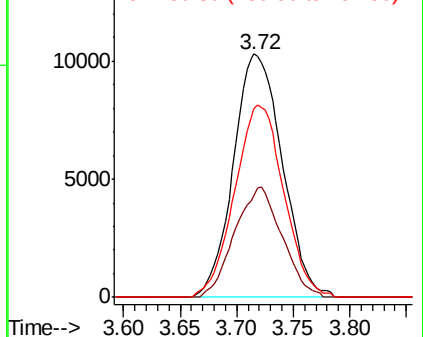
151 79.3 65.8 98.8



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: 19.502 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

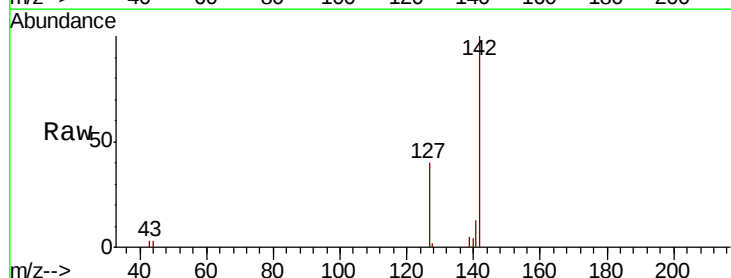
Tgt Ion:142 Resp: 37786

Ion Ratio Lower Upper

142 100

127 41.6 32.2 48.4

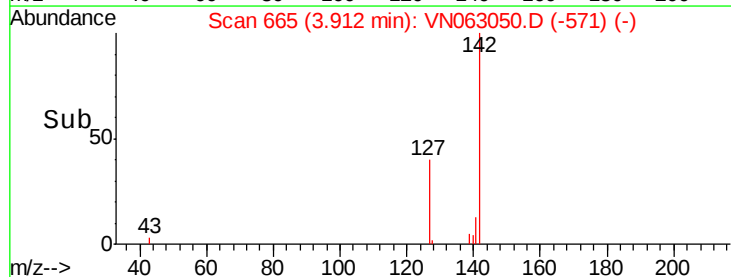
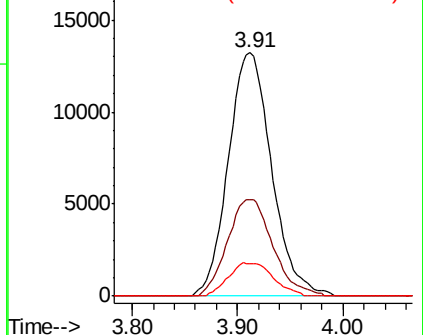
141 14.2 11.3 16.9

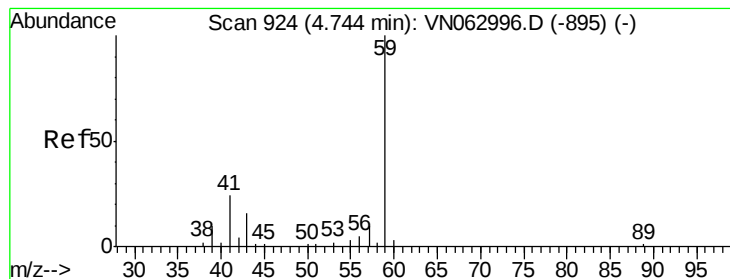


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.960 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.01 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

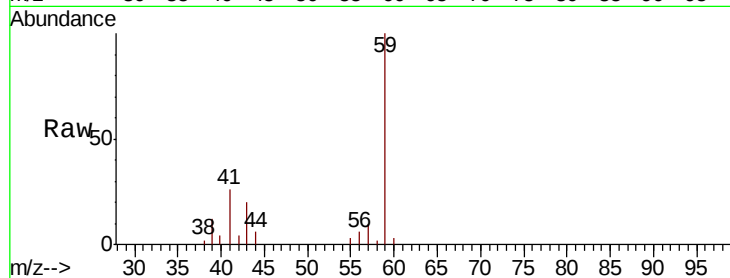
VN0820WBS02

Tot Ion: 59 Resp: 26484

Ion Ratio Lower Upper

59 100

57 5.1 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

8000

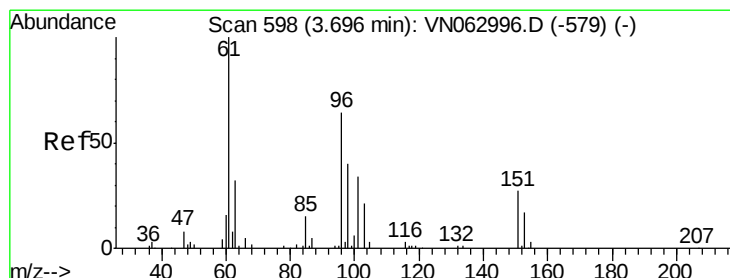
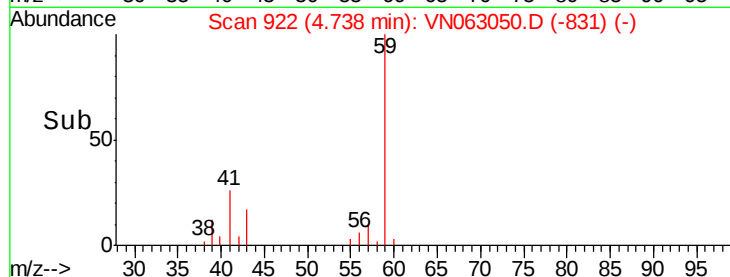
6000

4000

2000

0

Time--> 4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 19.282 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

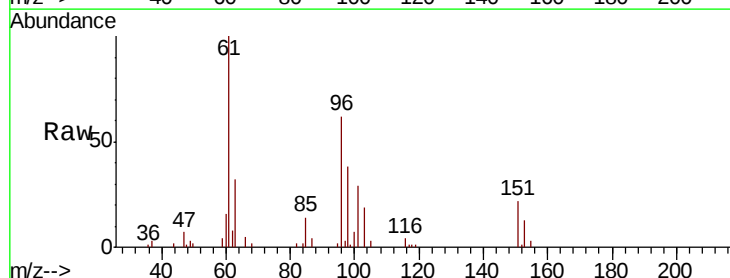
Tgt Ion: 96 Resp: 28078

Ion Ratio Lower Upper

96 100

61 162.3 125.5 188.3

98 62.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

25000

20000

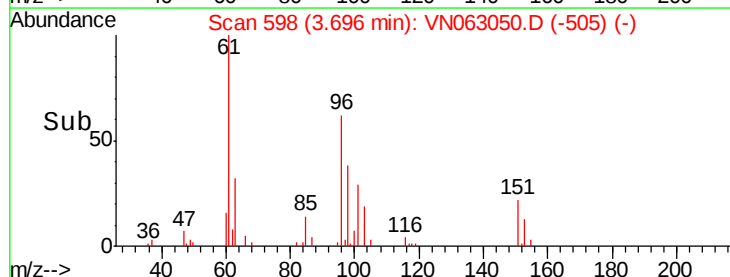
15000

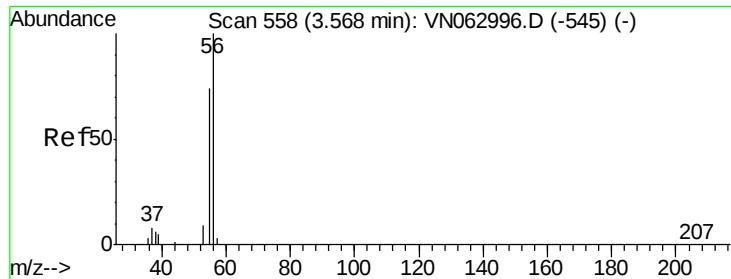
10000

5000

0

Time--> 3.60 3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 50.897 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

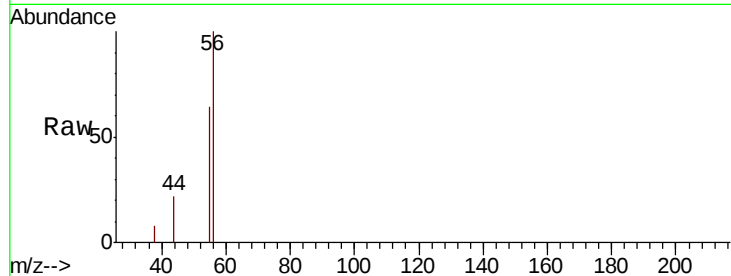
VN0820WBS02

Tot Ion: 56 Resp: 4592

Ion Ratio Lower Upper

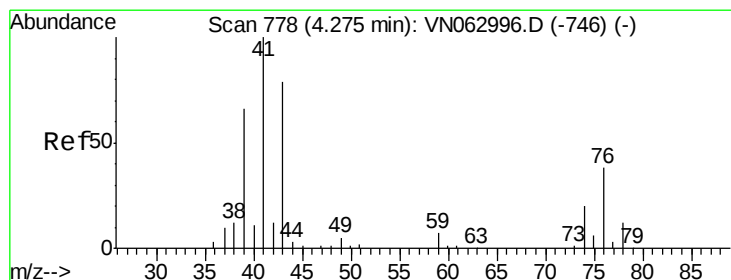
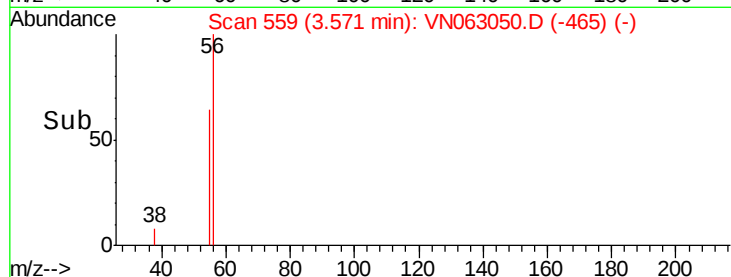
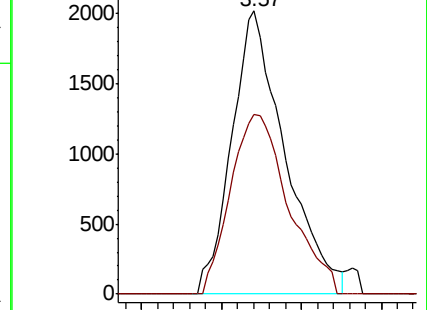
56 100

55 69.3 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN062996.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN062996.D (-545) (-)



#14

Allyl chloride

Concen: 19.411 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

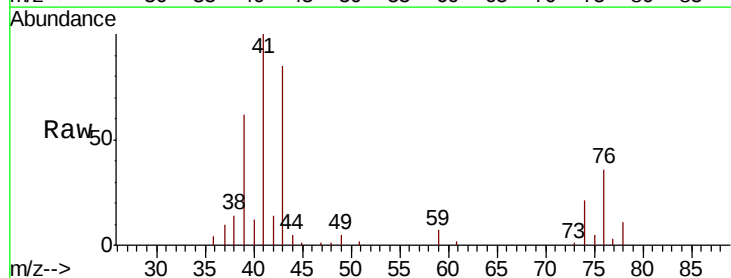
Tgt Ion: 41 Resp: 49838

Ion Ratio Lower Upper

41 100

39 59.5 47.9 71.9

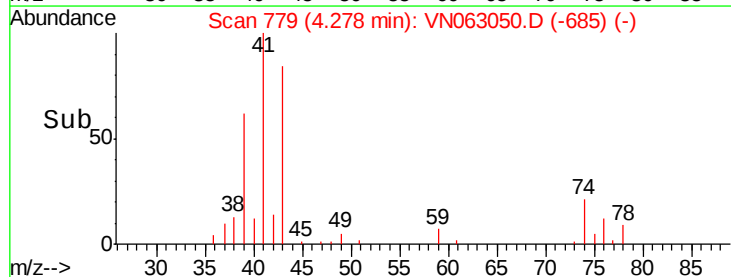
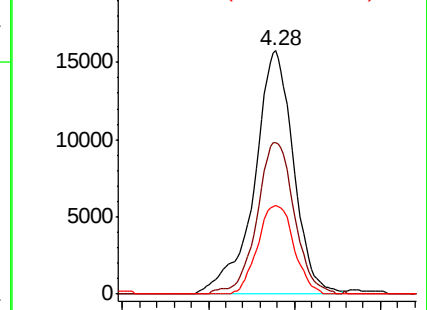
76 33.7 27.0 40.6

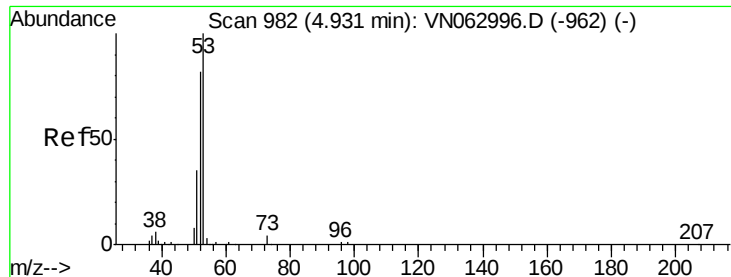


Abundance Ion 41.00 (40.70 to 41.70): VN062996.D (-746) (-)

Ion 39.00 (38.70 to 39.70): VN062996.D (-746) (-)

Ion 75.90 (75.60 to 76.60): VN062996.D (-746) (-)





#15

Acrylonitrile

Concen: 104.241 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

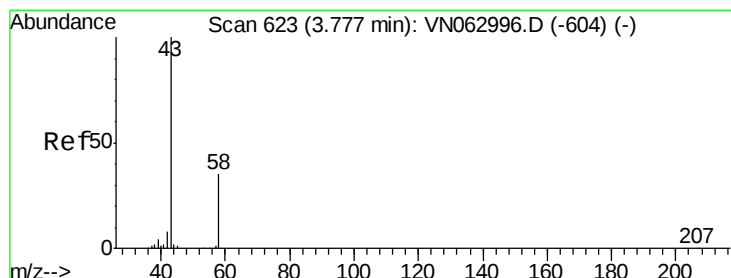
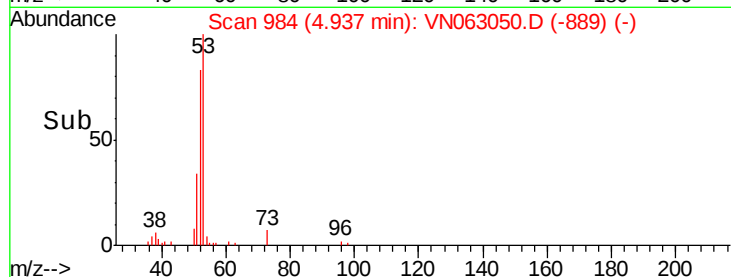
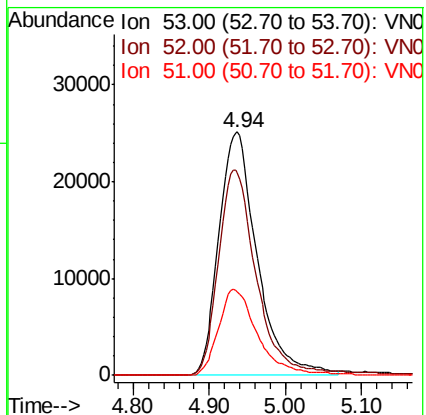
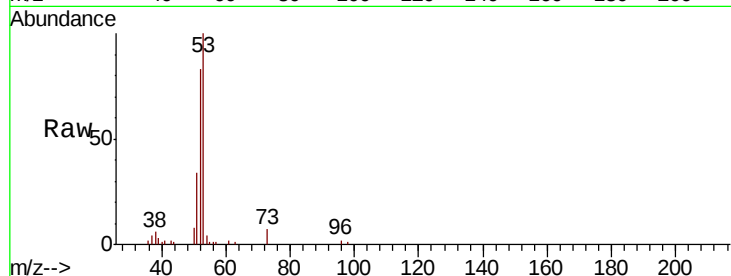
Tot Ion: 53 Resp: 88237

Ion Ratio Lower Upper

53 100

52 83.2 65.6 98.4

51 35.4 28.2 42.4



#16

Acetone

Concen: 105.058 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063050.D

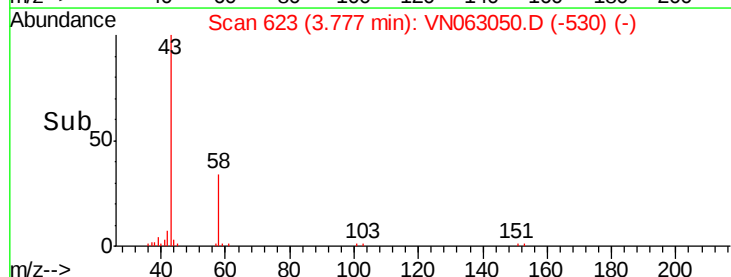
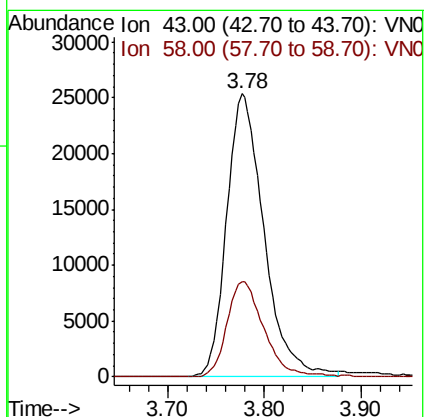
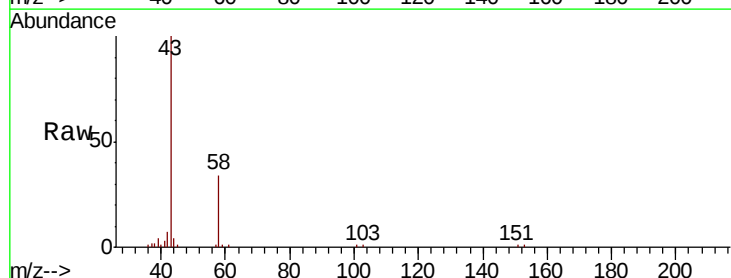
Acq: 20 Aug 2020 22:02

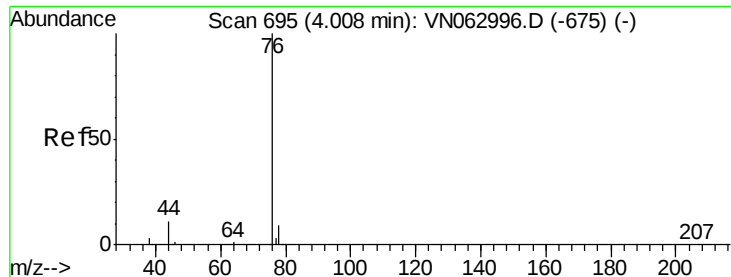
Tgt Ion: 43 Resp: 68052

Ion Ratio Lower Upper

43 100

58 33.8 27.8 41.6

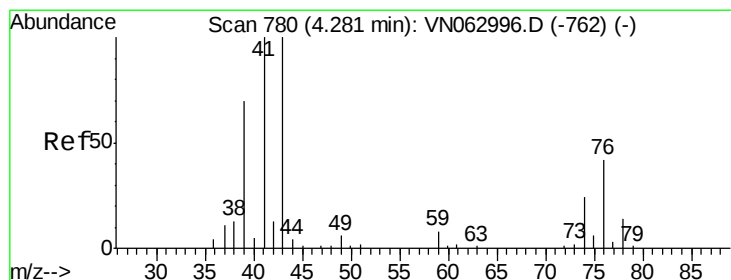
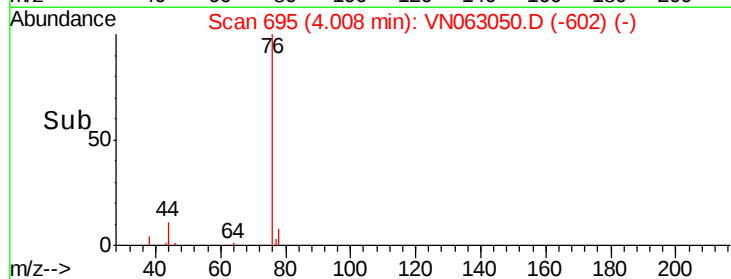
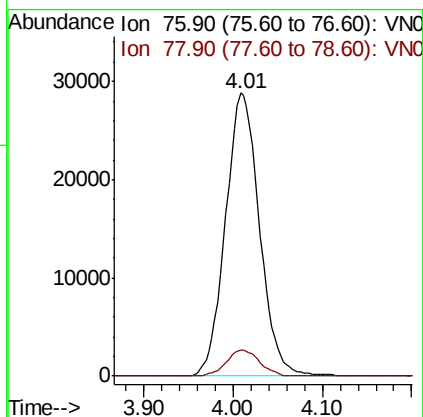
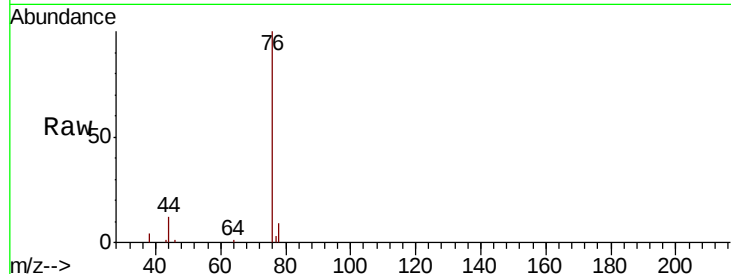




#17
Carbon Disulfide
Concen: 19.931 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

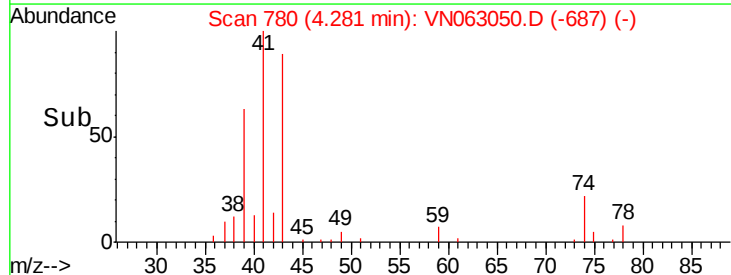
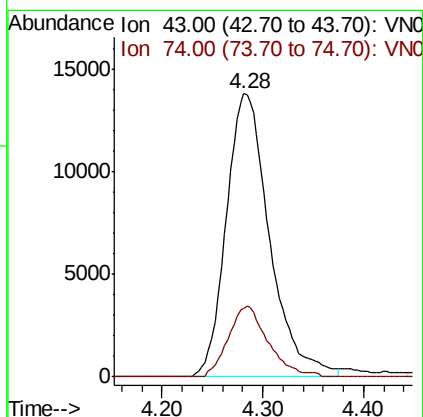
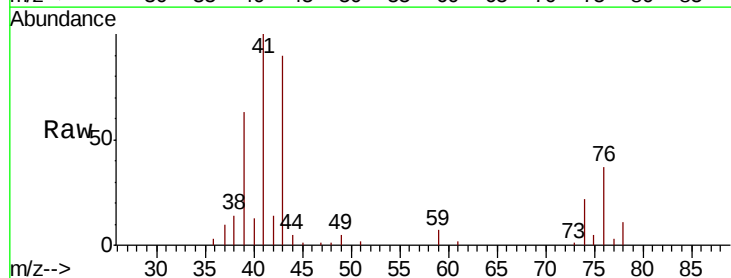
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

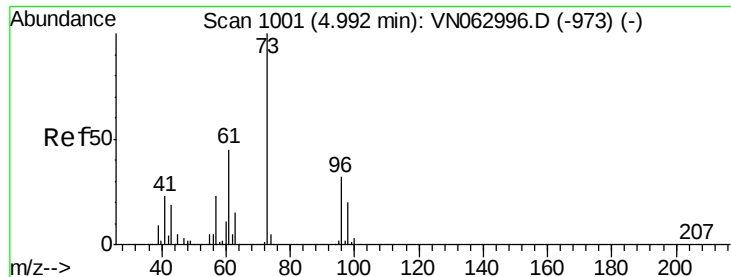
Tot Ion: 76 Resp: 76010
Ion Ratio Lower Upper
76 100
78 9.2 6.9 10.3



#18
Methyl Acetate
Concen: 20.413 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 43 Resp: 41245
Ion Ratio Lower Upper
43 100
74 22.7 18.6 28.0

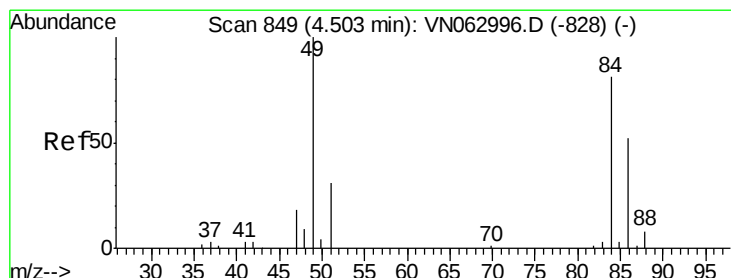
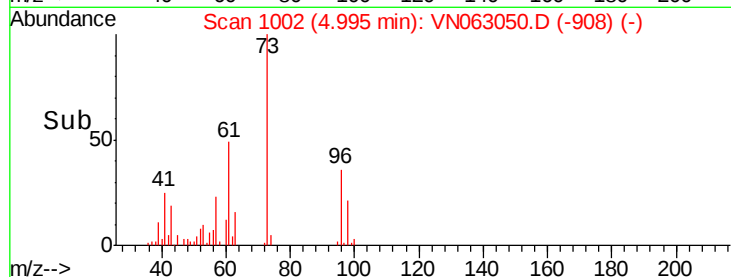
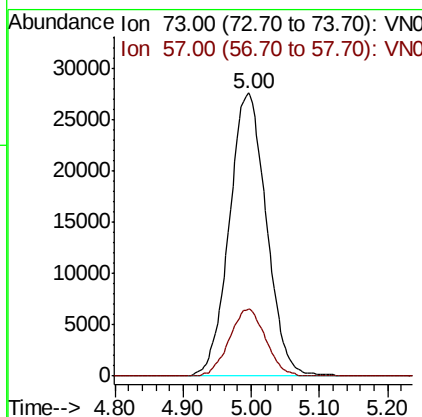
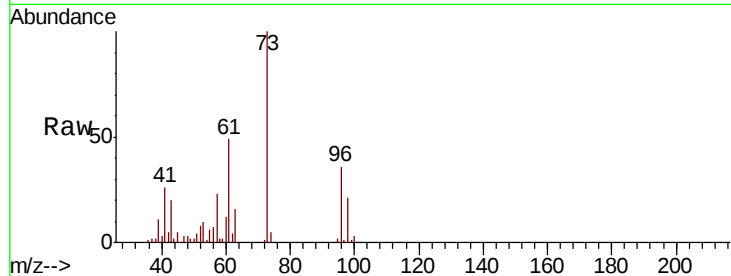




#19
Methvl tert-butvl Ether
Concen: 20.574 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

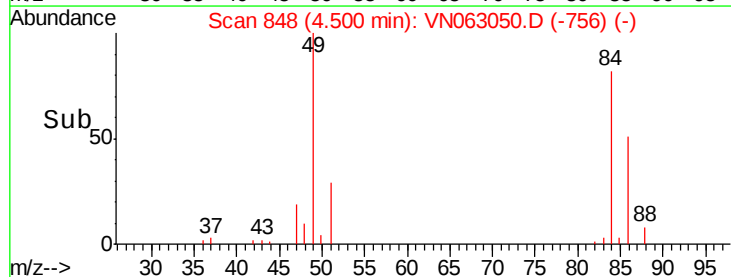
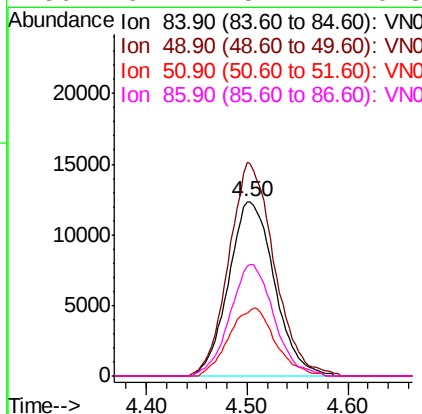
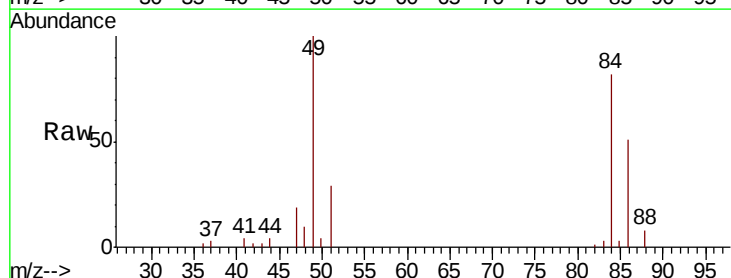
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

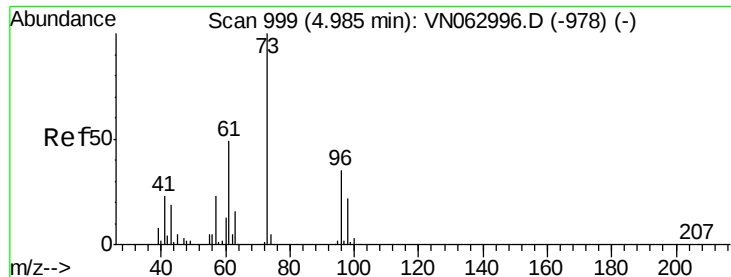
Tot Ion: 73 Resp: 104480
Ion Ratio Lower Upper
73 100
57 23.5 18.1 27.1



#20
Methylene Chloride
Concen: 20.983 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 84 Resp: 39004
Ion Ratio Lower Upper
84 100
49 122.3 98.7 148.1
51 35.9 30.8 46.2
86 62.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.553 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

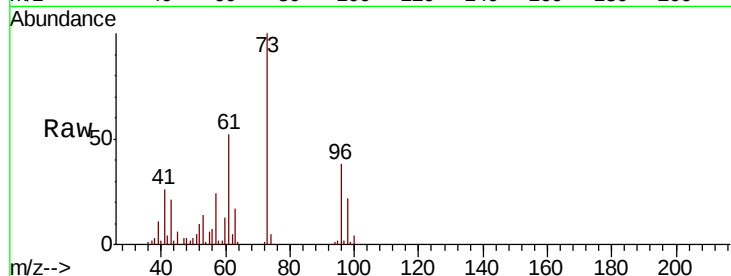
Tot Ion: 96 Resp: 31321

Ion Ratio Lower Upper

96 100

61 138.2 112.5 168.7

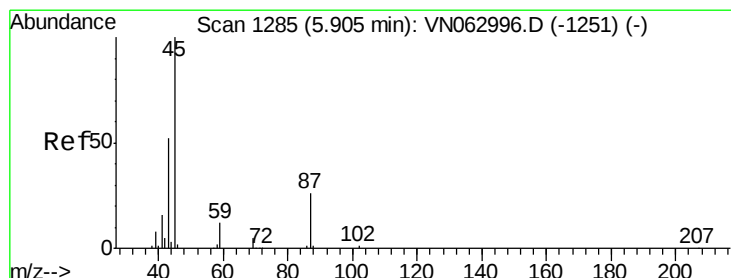
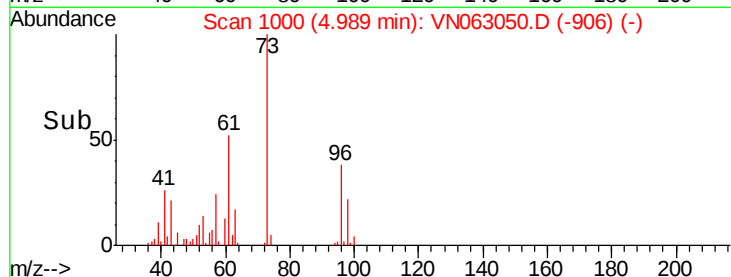
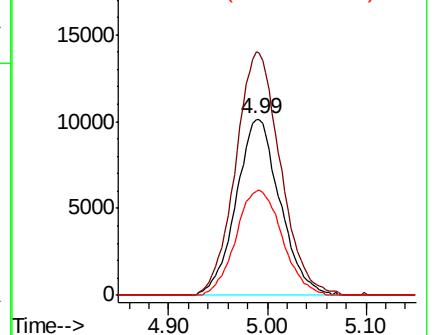
98 59.0 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN062996.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-978) (-)



#22

Diisopropyl ether

Concen: 21.722 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion: 45 Resp: 126561

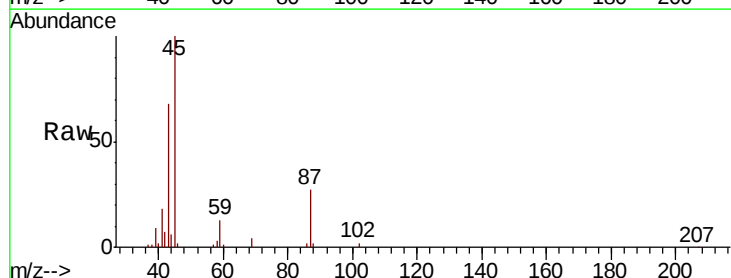
Ion Ratio Lower Upper

45 100

43 65.9 45.7 68.5

87 26.6 21.8 32.6

59 13.3 9.3 13.9

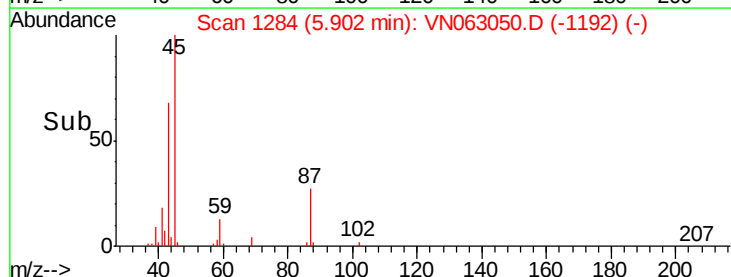
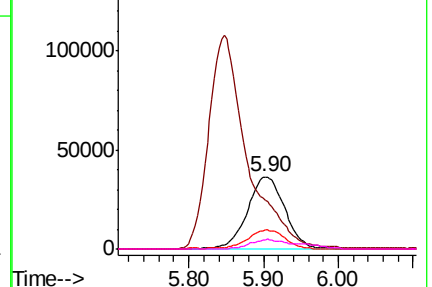


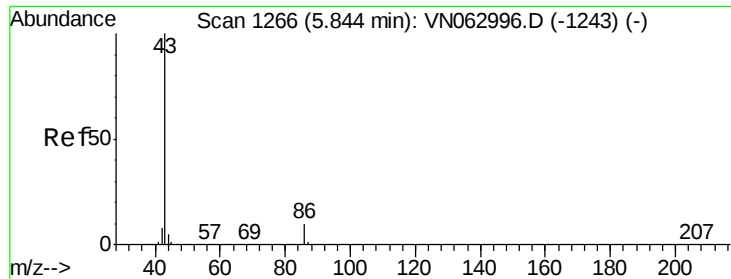
Abundance Ion 45.00 (44.70 to 45.70): VN062996.D (-1251) (-)

Ion 43.00 (42.70 to 43.70): VN062996.D (-1251) (-)

Ion 87.00 (86.70 to 87.70): VN062996.D (-1251) (-)

Ion 59.00 (58.70 to 59.70): VN062996.D (-1251) (-)

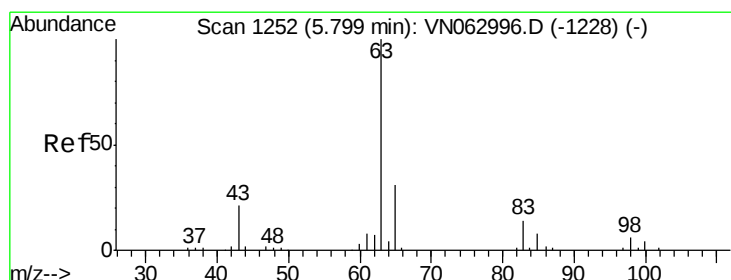
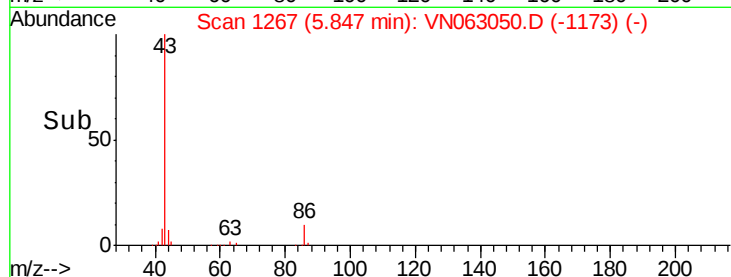
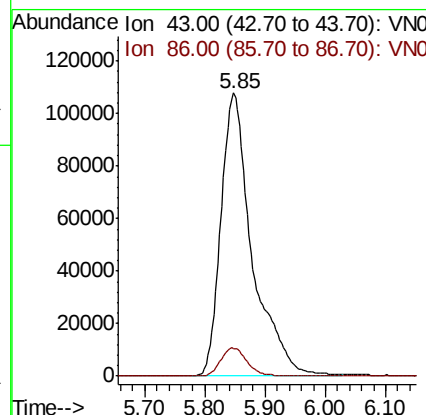
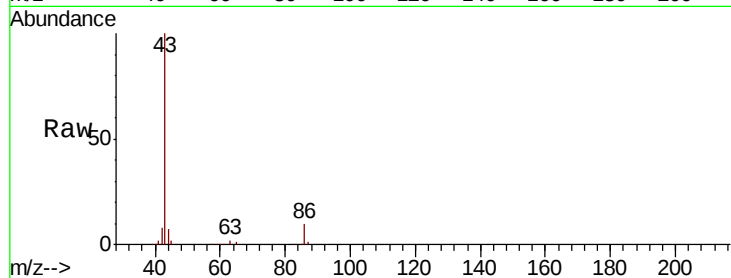




#23
 Vinyl Acetate
 Concen: 98.743 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

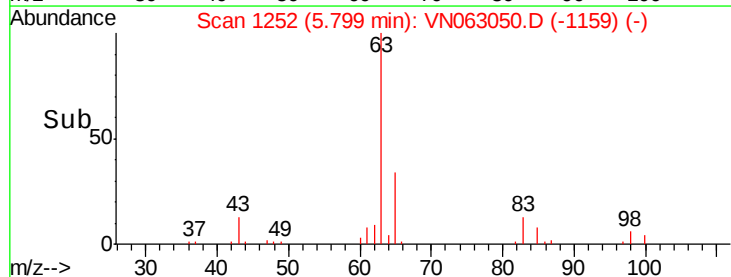
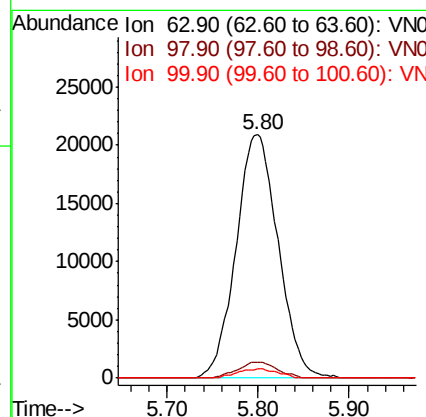
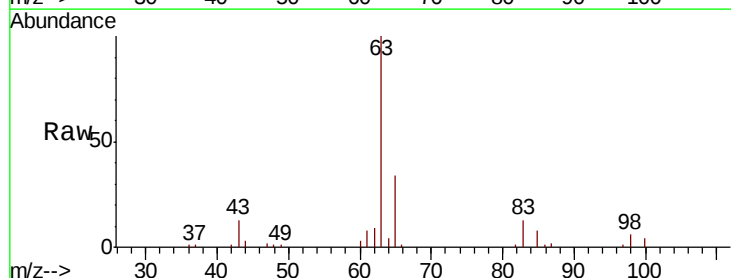
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

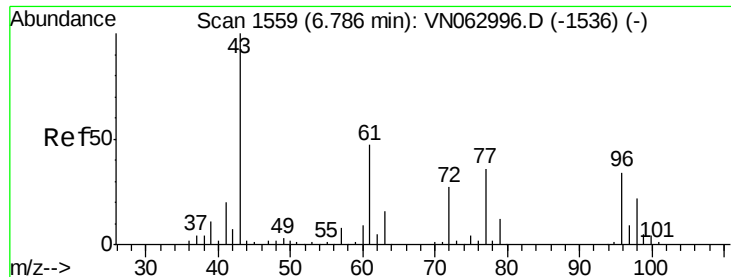
Tot Ion: 43 Resp: 388231
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 20.656 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion: 63 Resp: 67251
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.7
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 100.959 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

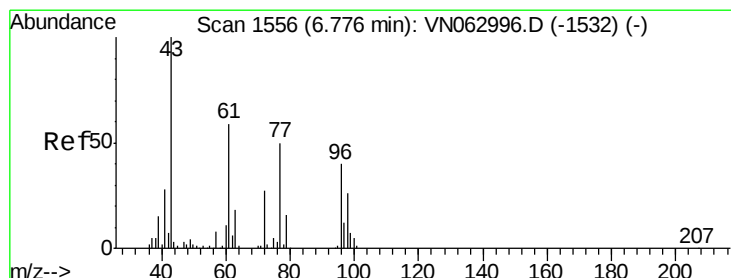
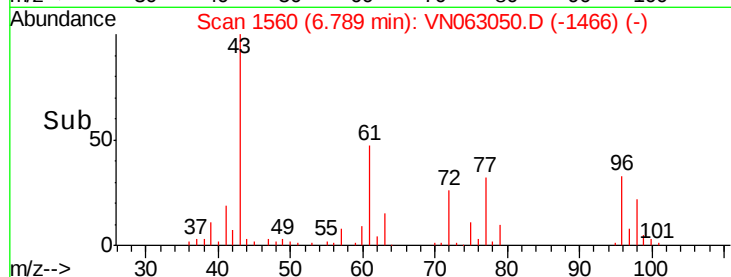
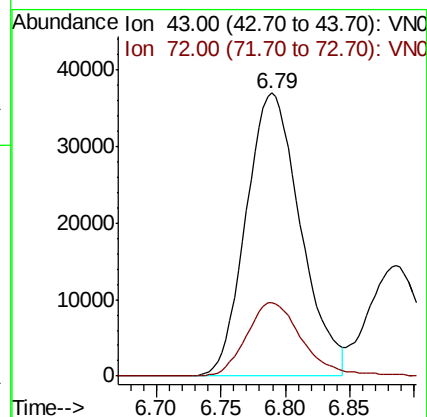
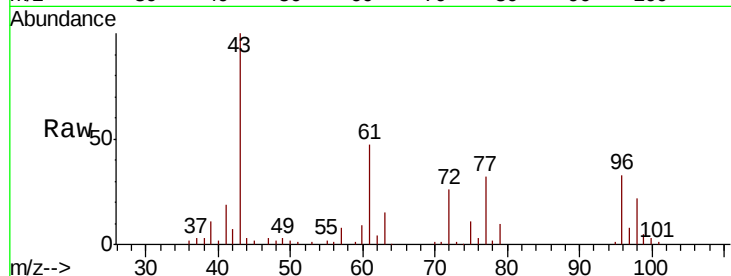
VN0820WBS02

Tot Ion: 43 Resp: 108978

Ion Ratio Lower Upper

43 100

72 26.0 21.8 32.6



#26

2,2-Dichloropropane

Concen: 17.856 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN063050.D

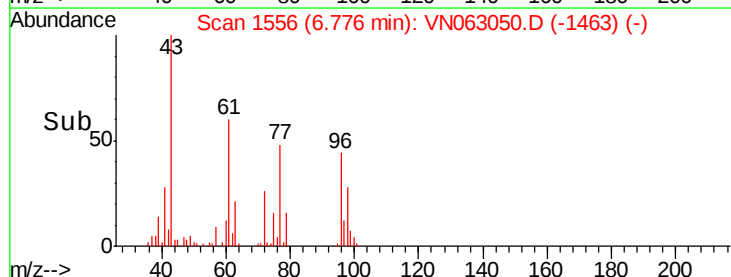
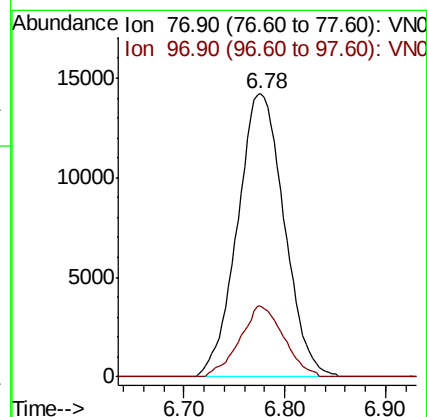
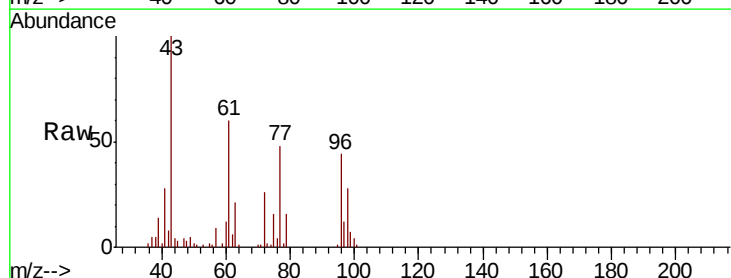
Acq: 20 Aug 2020 22:02

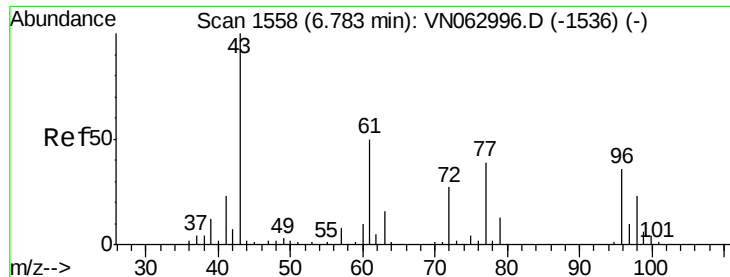
Tgt Ion: 77 Resp: 45721

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1

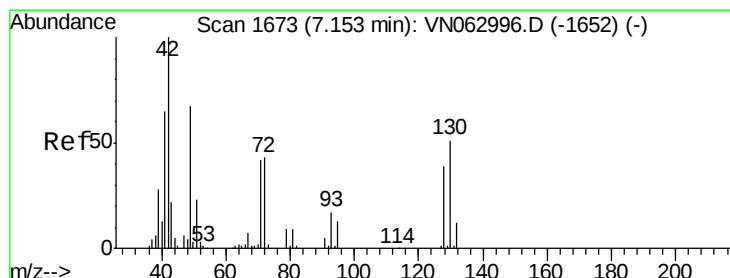
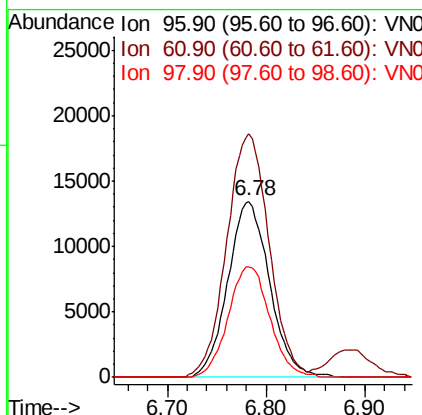
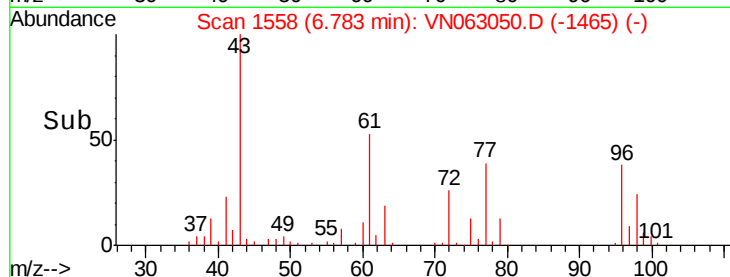
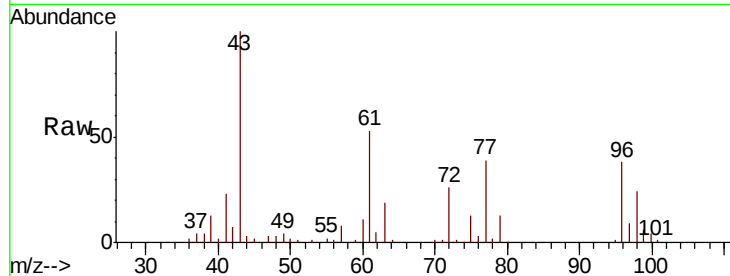




#27
 cis-1,2-Dichloroethene
 Concen: 20.754 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

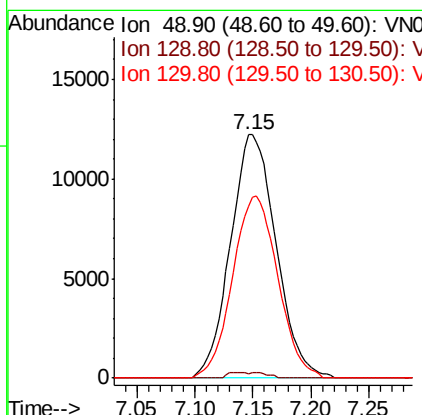
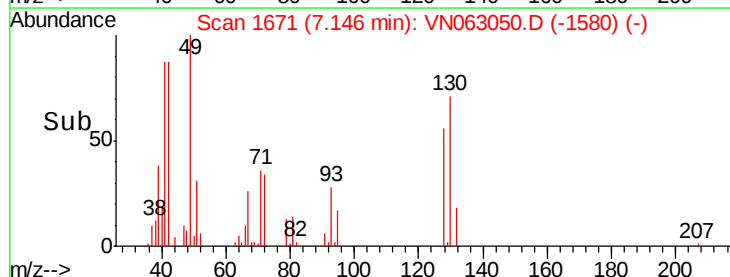
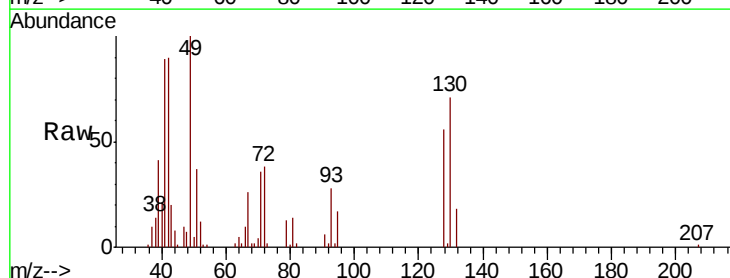
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0820WBS02

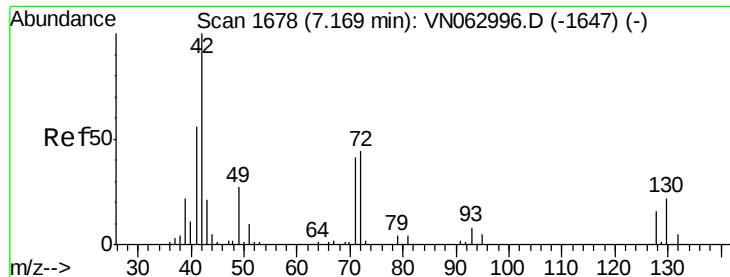
Tot Ion: 96 Resp: 39642
 Ion Ratio Lower Upper
 96 100
 61 140.1 0.0 292.8
 98 62.7 0.0 130.6



#28
 Bromochloromethane
 Concen: 19.652 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion: 49 Resp: 33478
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 3.6
 130 74.0 61.1 91.7

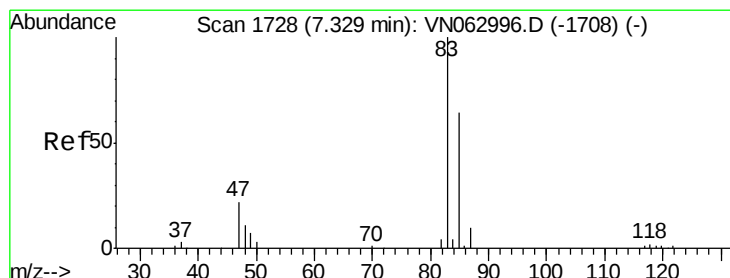
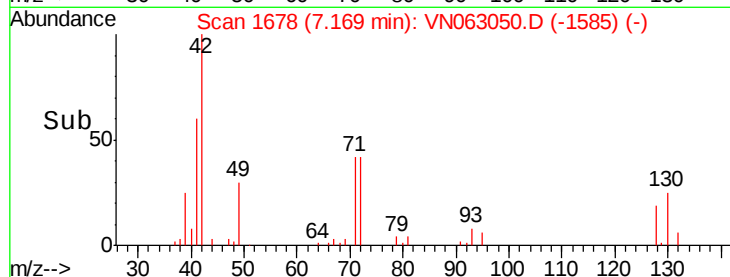
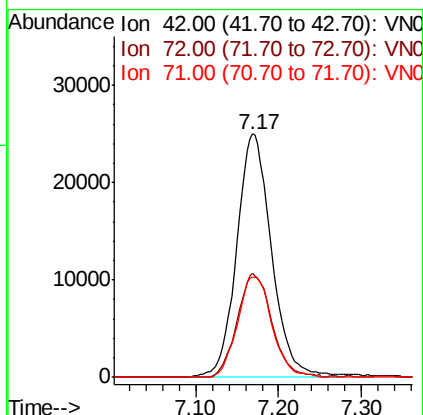
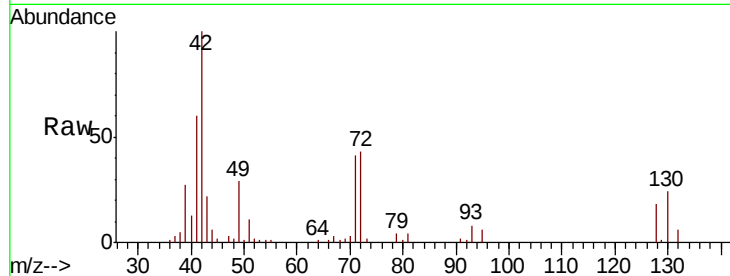




#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

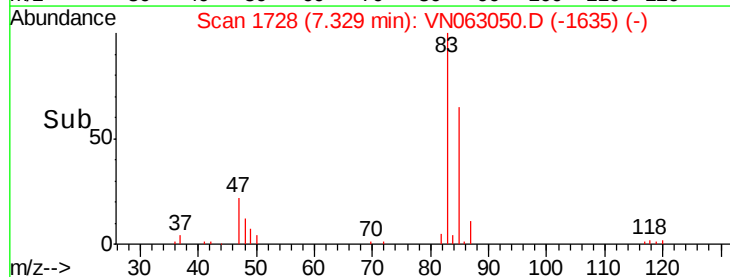
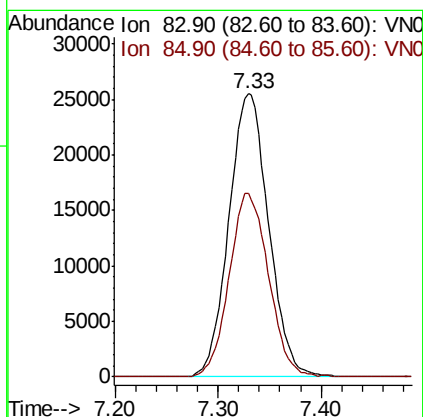
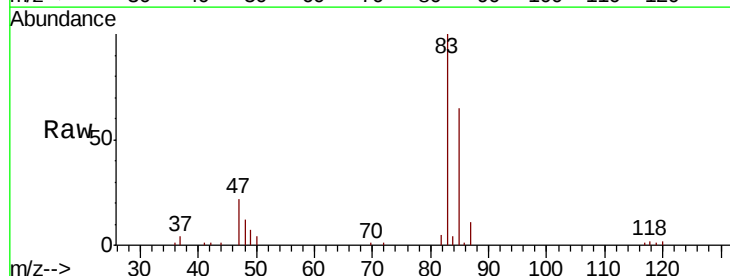
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

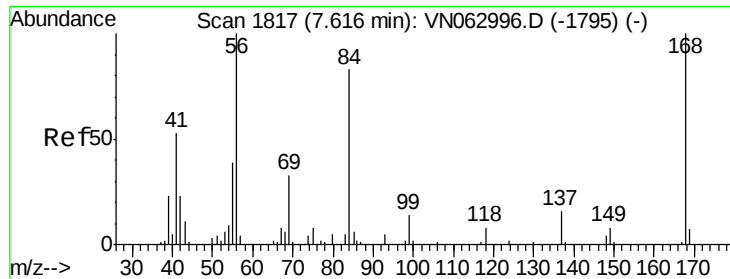
Tot Ion: 42 Resp: 73178
Ion Ratio Lower Upper
42 100
72 42.4 34.6 52.0
71 40.6 32.3 48.5



#30
Chloroform
Concen: 20.854 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 83 Resp: 68380
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3

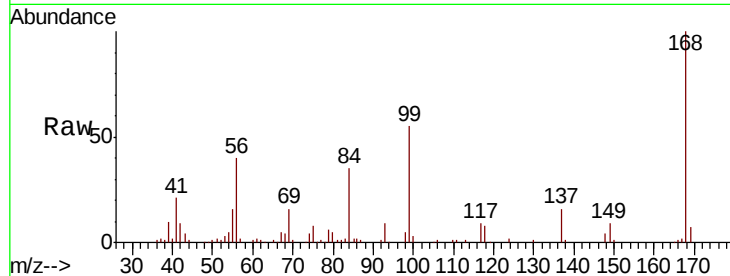




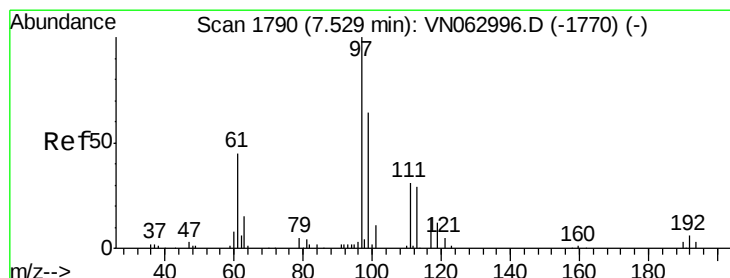
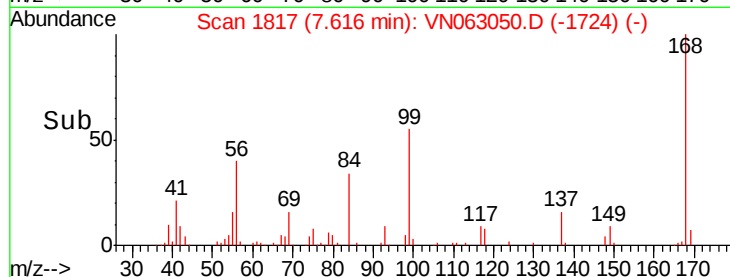
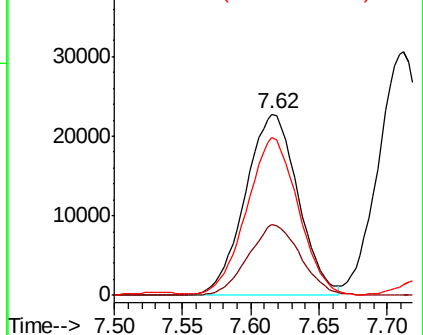
#31
Cyclohexane
Concen: 20.457 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion: 56 Resp: 61301
Ion Ratio Lower Upper
56 100
69 39.0 26.6 40.0
84 86.8 66.4 99.6

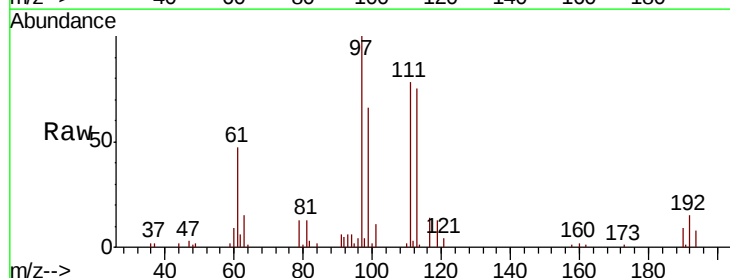


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

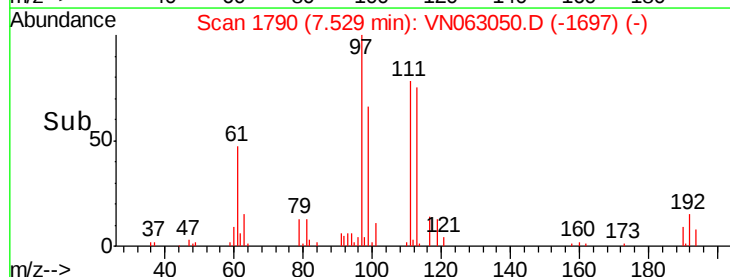
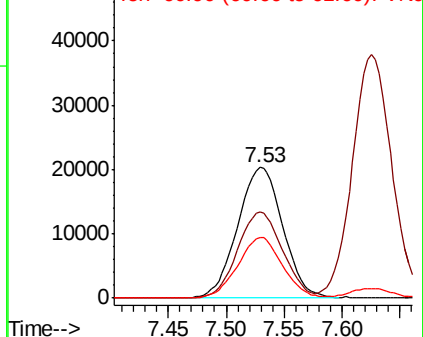


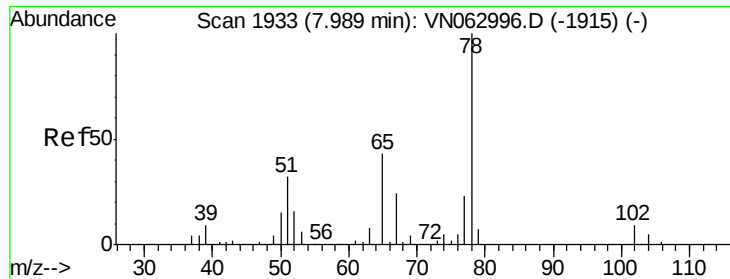
#32
1,1,1-Trichloroethane
Concen: 20.567 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 97 Resp: 55058
Ion Ratio Lower Upper
97 100
99 65.4 52.0 78.0
61 45.7 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

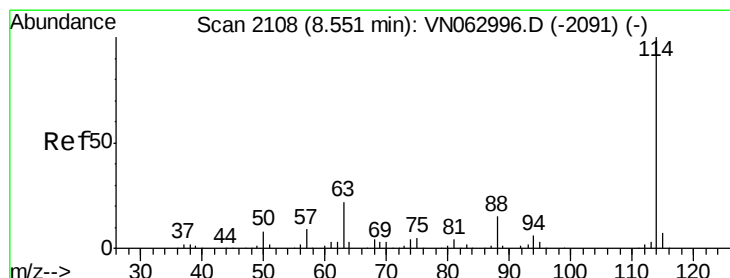
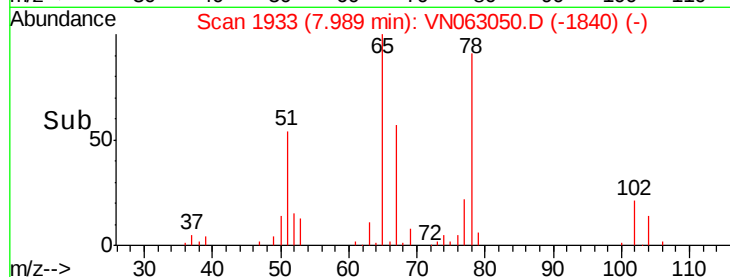
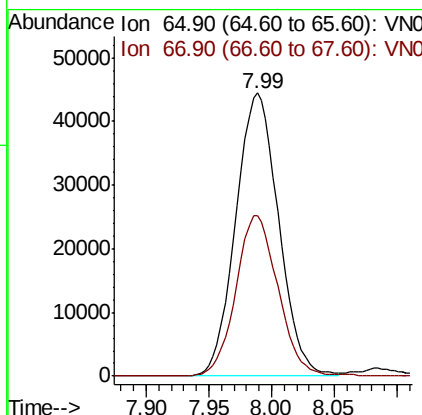
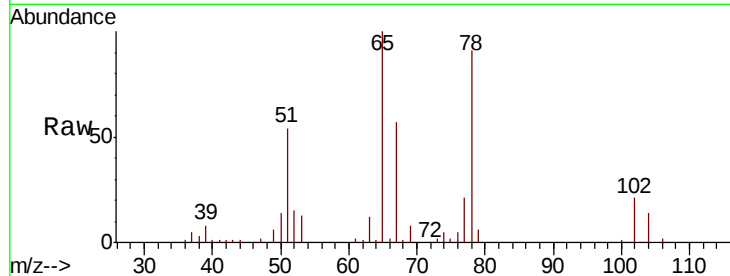




#33
 1,2-Dichloroethane-d4
 Concen: 52.020 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

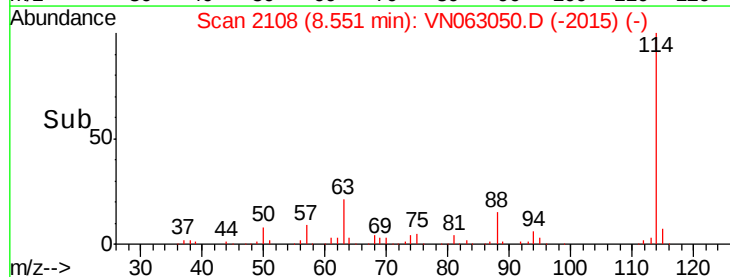
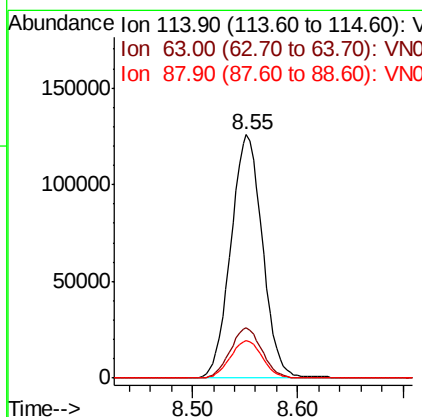
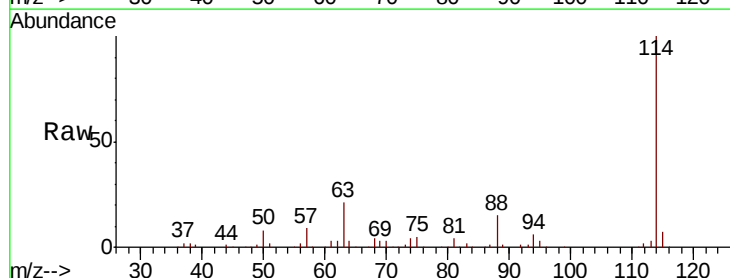
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

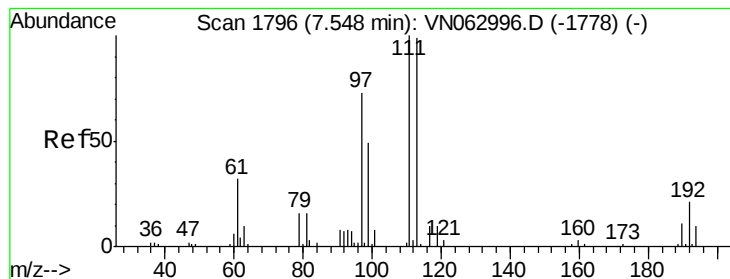
Tot Ion: 65 Resp: 105767
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion: 114 Resp: 261905
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.324 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

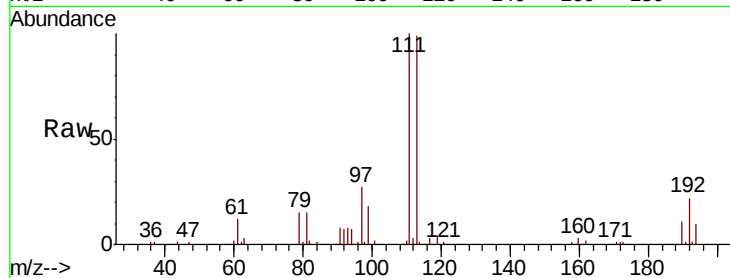
Tot Ion:113 Resp: 87588

Ion Ratio Lower Upper

113 100

111 102.4 81.7 122.5

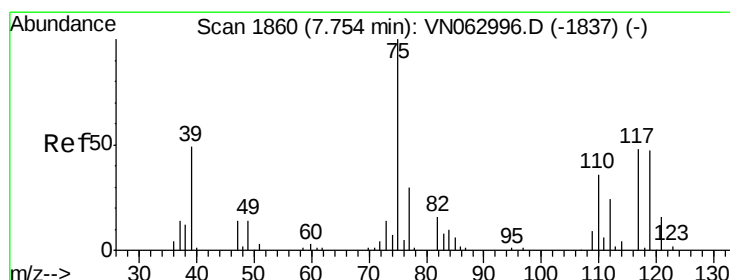
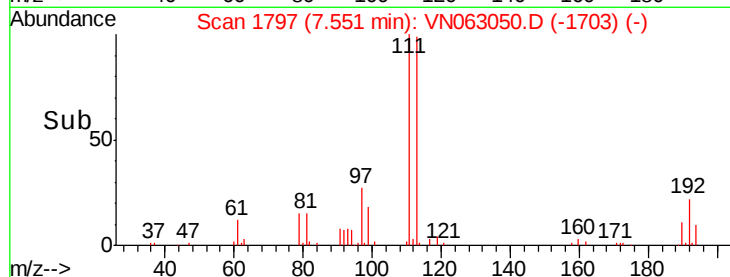
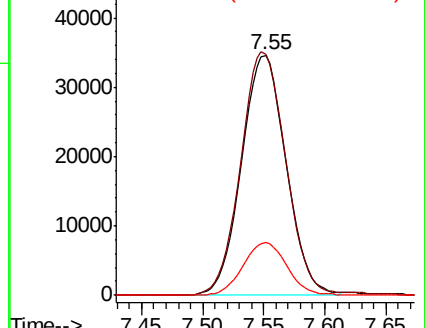
192 21.6 17.5 26.3



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: 19.276 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

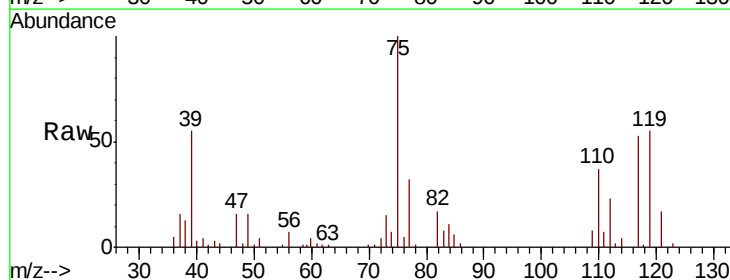
Tgt Ion: 75 Resp: 44491

Ion Ratio Lower Upper

75 100

110 35.1 17.5 52.6

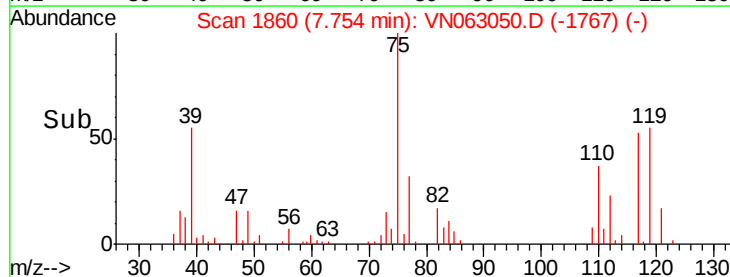
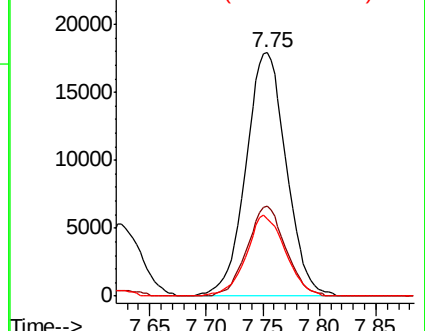
77 32.1 24.2 36.4

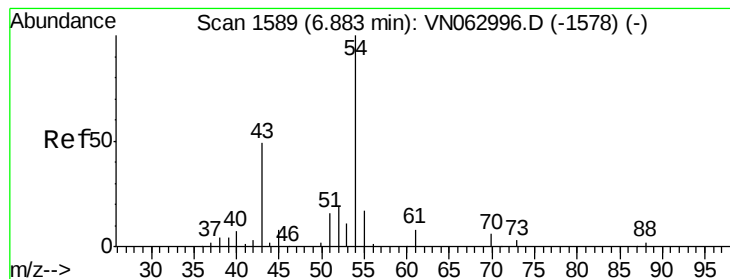


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#37

Ethyl Acetate

Concen: 19.581 ug/l

RT: 6.89 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleID :

VN0820WBS02

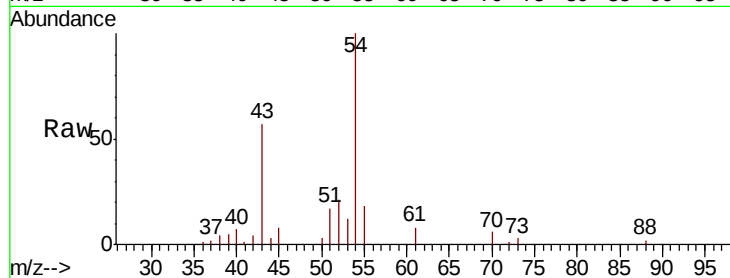
Tot Ion: 43 Resp: 42348

Ion Ratio Lower Upper

43 100

61 15.5 11.8 17.8

70 10.2 8.2 12.2

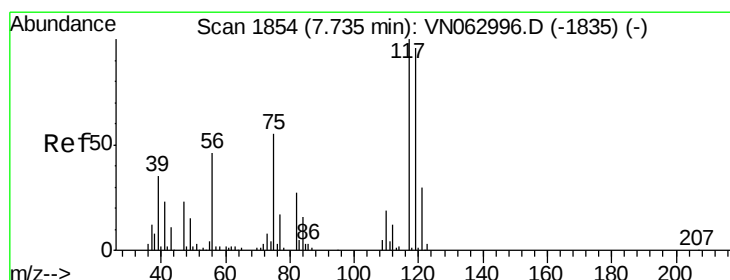
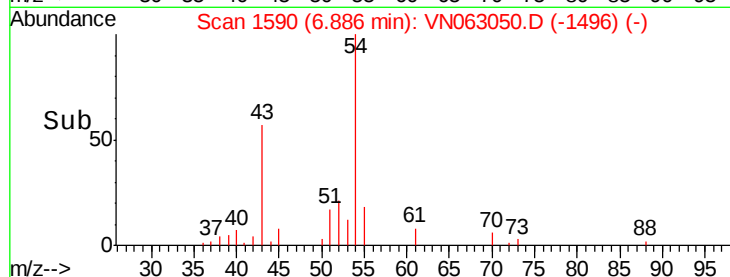
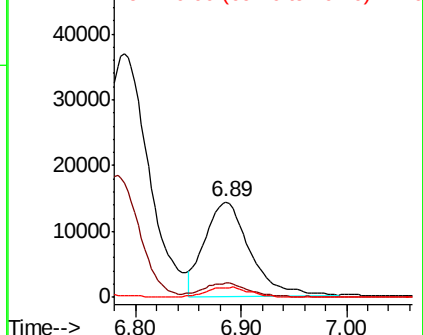


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 20.017 ug/l

RT: 7.73 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

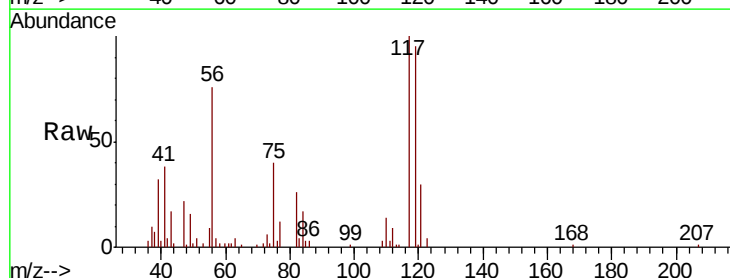
Tgt Ion: 117 Resp: 46642

Ion Ratio Lower Upper

117 100

119 94.8 76.2 114.4

121 30.1 24.2 36.2

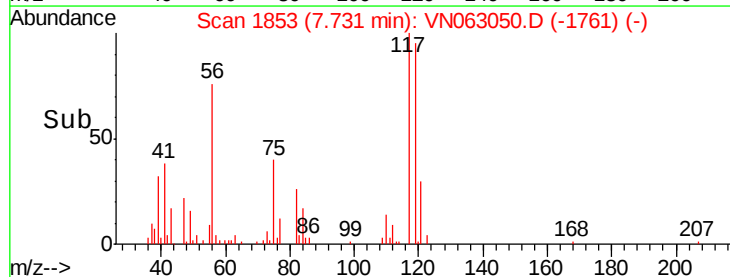
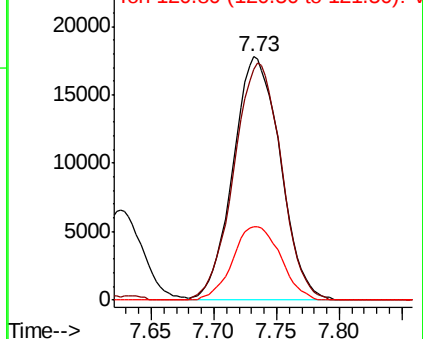


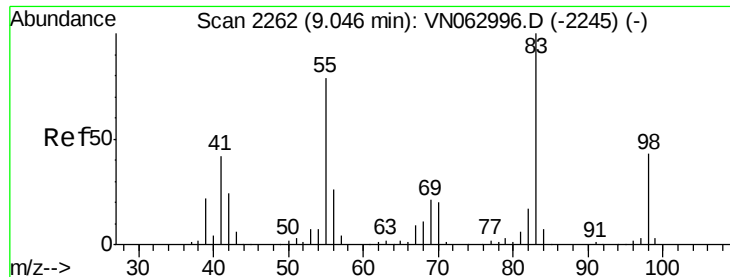
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

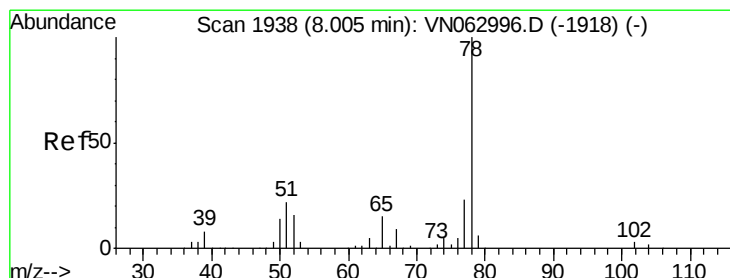
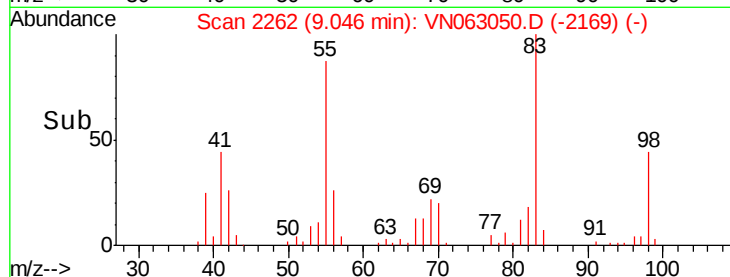
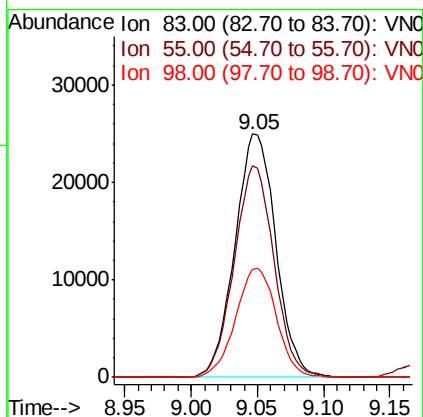
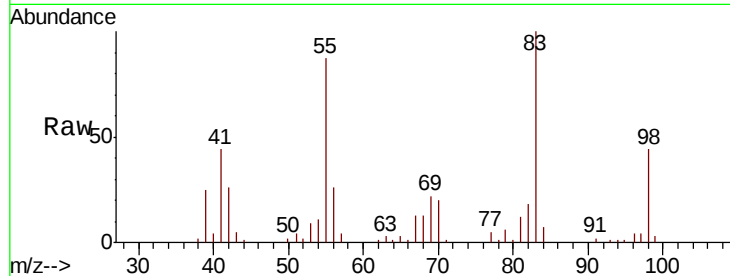




#39
Methvlcvclohexane
Concen: 18.196 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

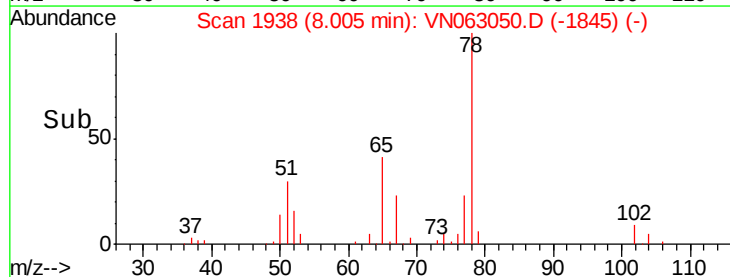
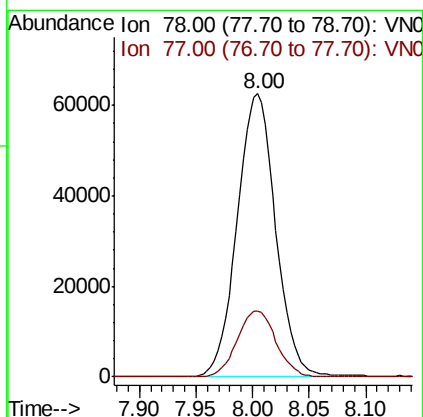
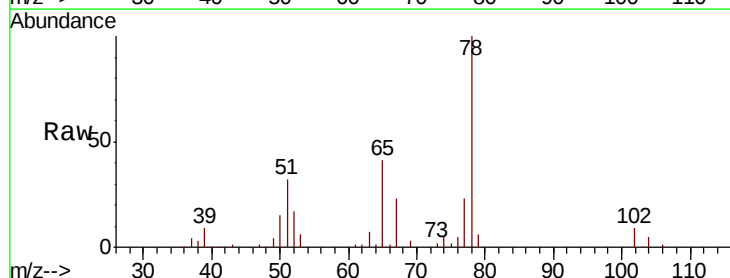
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

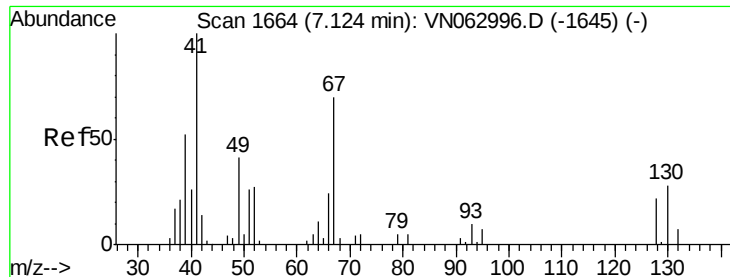
Tot Ion: 83 Resp: 53502
Ion Ratio Lower Upper
83 100
55 87.1 63.3 94.9
98 44.5 34.2 51.4



#40
Benzene
Concen: 20.225 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 78 Resp: 148050
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

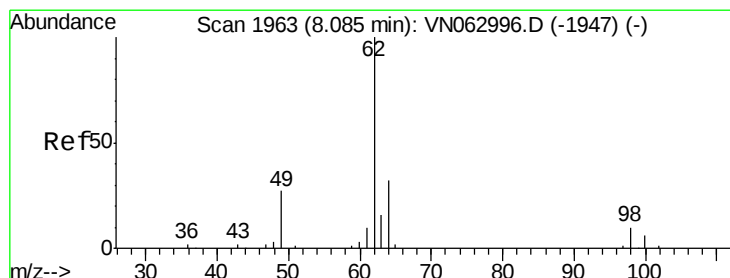
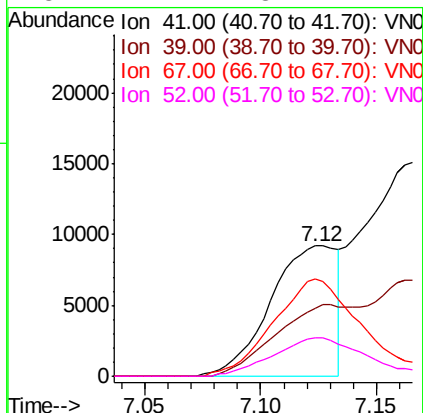
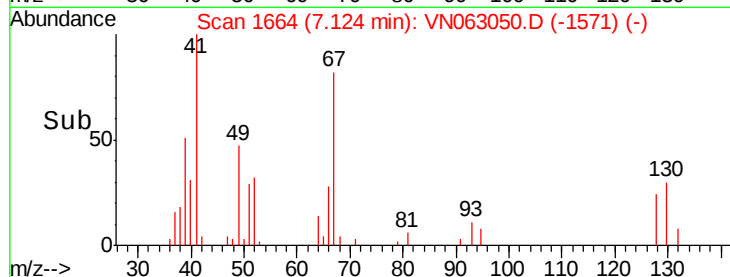
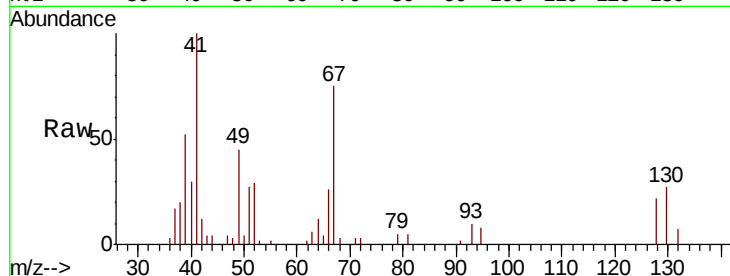




#41
Methacrylonitrile
Concen: 17.900 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

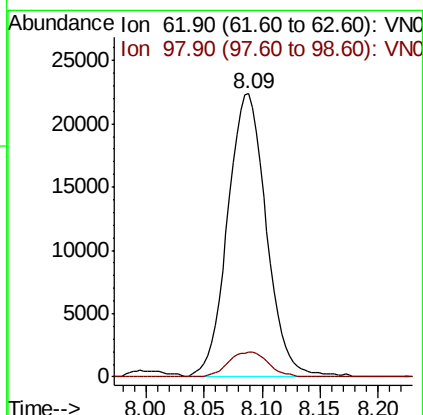
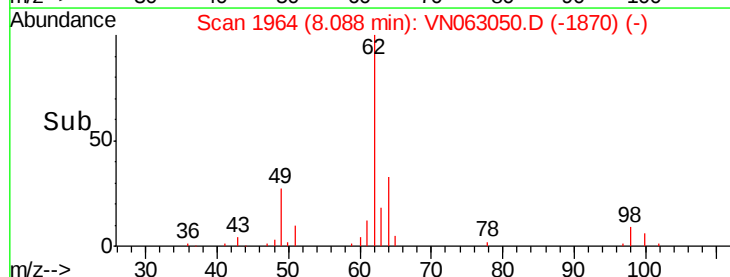
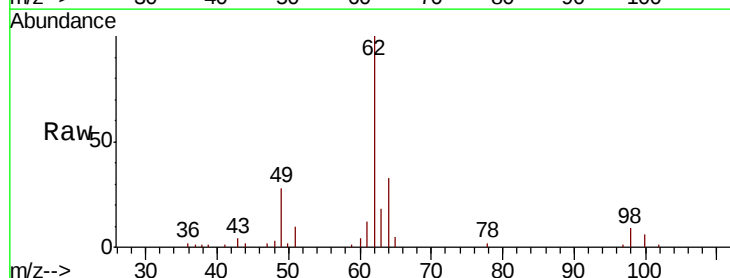
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

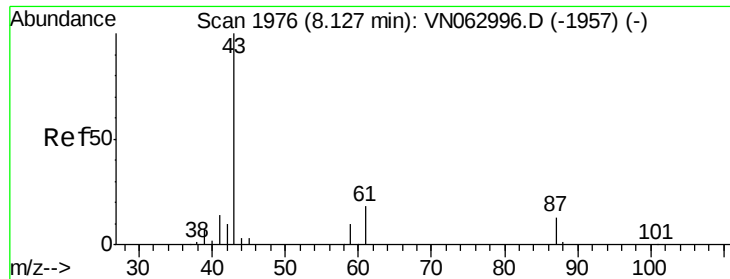
Tot Ion:	41	Resp:	18444
Ion	Ratio	Lower	Upper
41	100		
39	56.5	41.6	62.4
67	99.6	71.8	107.8
52	42.2	28.2	42.4



#42
1,2-Dichloroethane
Concen: 21.142 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:	62	Resp:	51967
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.792 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

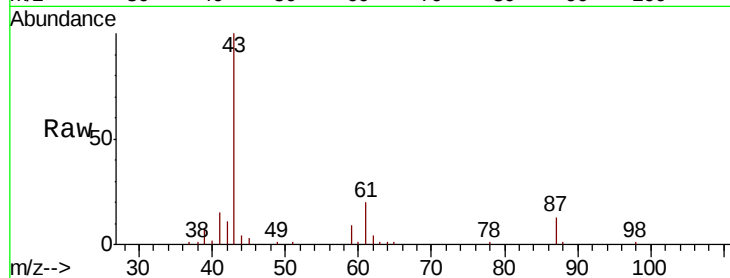
Tot Ion: 43 Resp: 70913

Ion Ratio Lower Upper

43 100

61 28.3 22.6 33.8

87 12.7 10.5 15.7

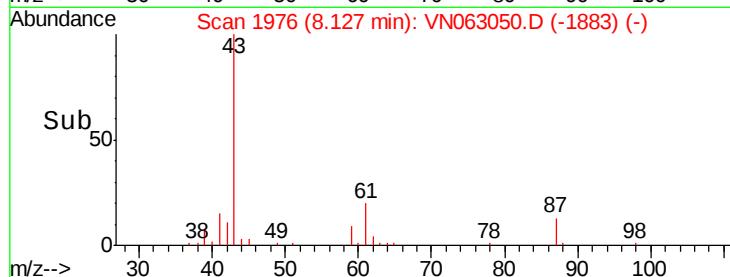


Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN062996.D (-1957) (-)

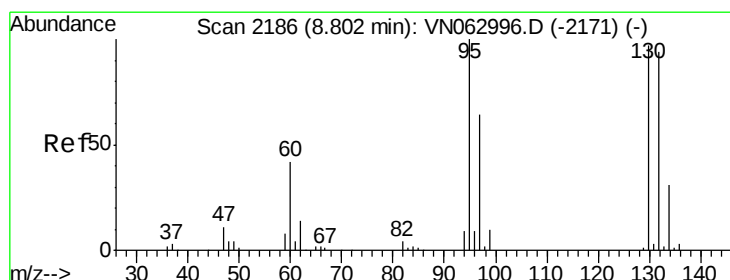
Ion 87.00 (86.70 to 87.70): VN062996.D (-1957) (-)

8.13



8.13

Time-->



#44

Trichloroethene

Concen: 19.582 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN063050.D

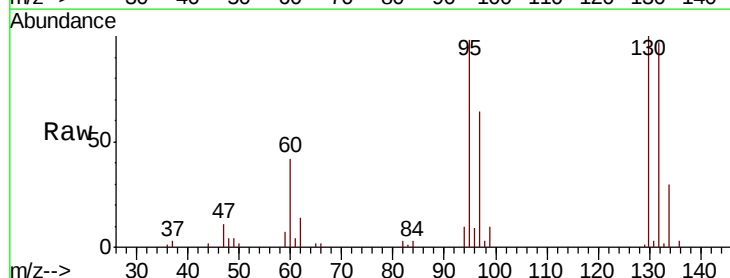
Acq: 20 Aug 2020 22:02

Tgt Ion:130 Resp: 35656

Ion Ratio Lower Upper

130 100

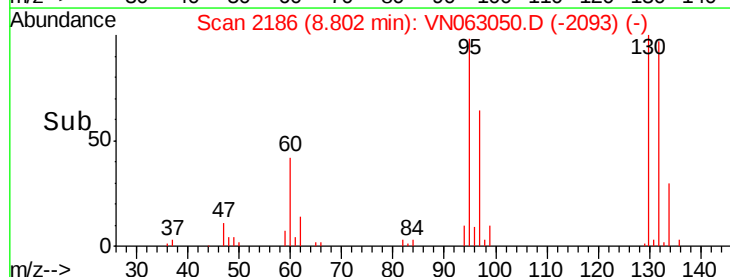
95 98.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VN062996.D (-2171) (-)

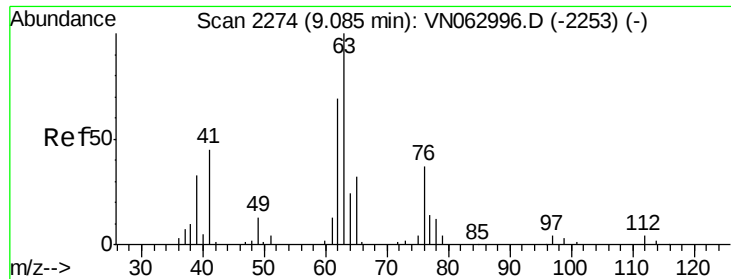
Ion 94.90 (94.60 to 95.60): VN062996.D (-2171) (-)

8.80



8.80

Time-->



#45

1,2-Dichloropropane

Concen: 20.524 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

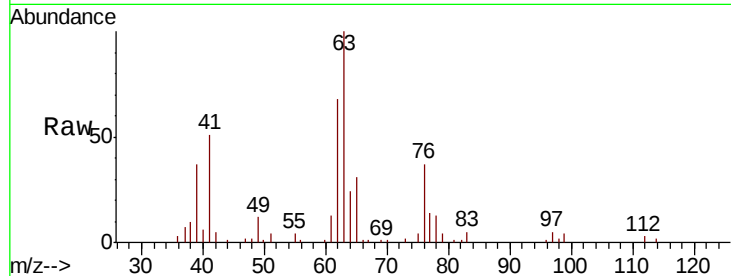
VN0820WBS02

Tot Ion: 63 Resp: 43429

Ion Ratio Lower Upper

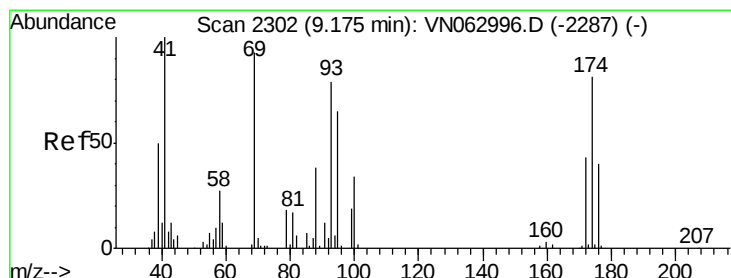
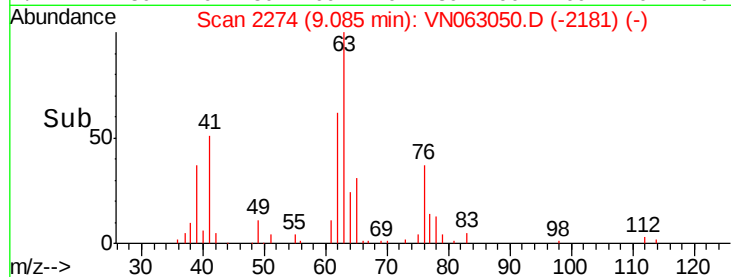
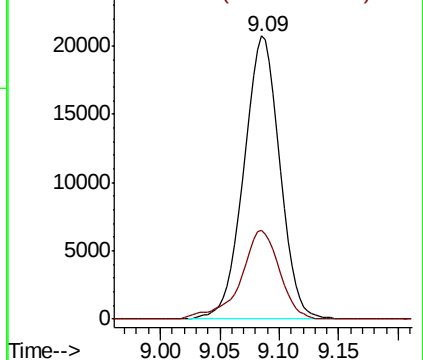
63 100

65 31.5 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.878 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

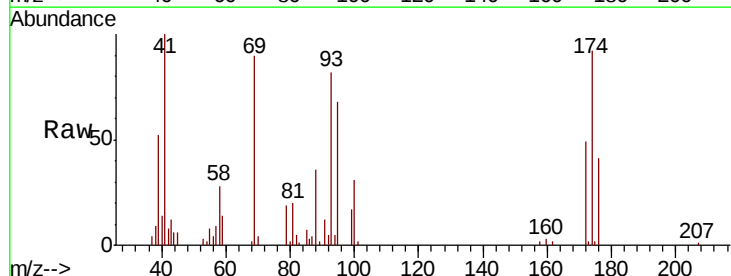
Tgt Ion: 93 Resp: 25521

Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.4

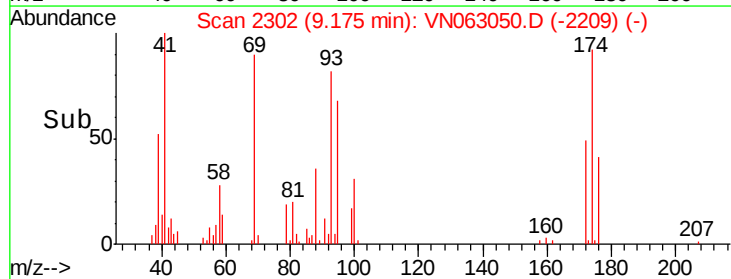
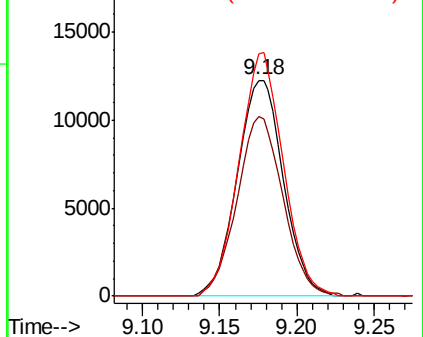
174 107.6 84.6 127.0

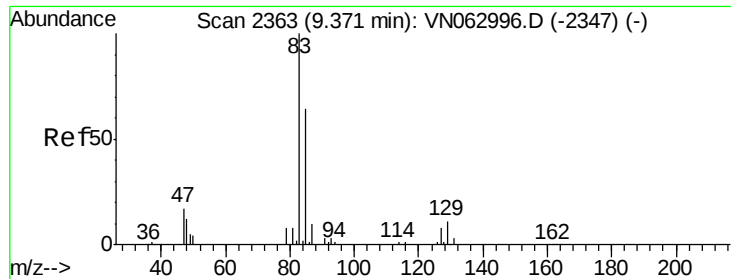


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

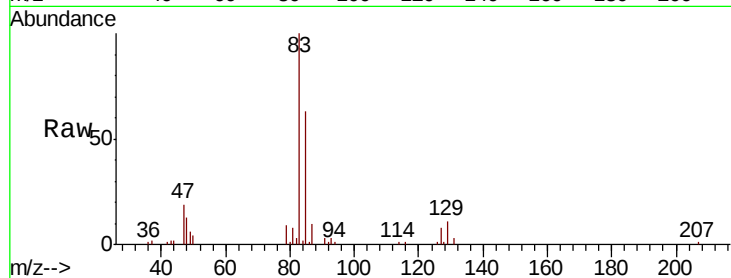




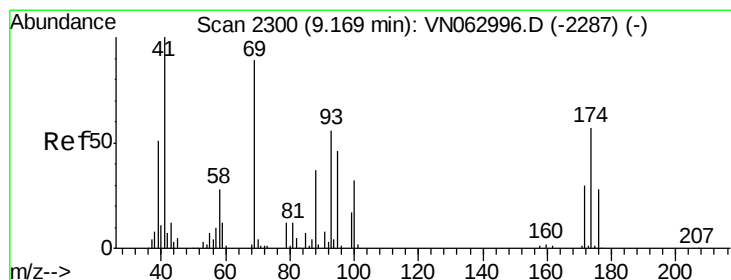
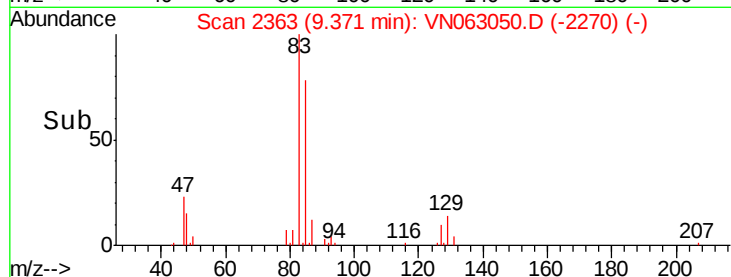
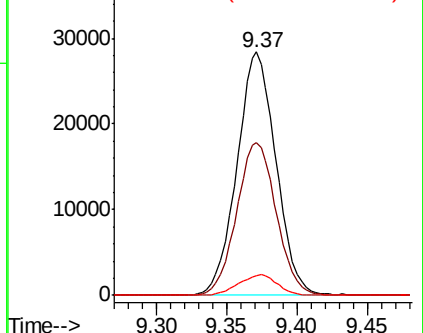
#47
Bromodichloromethane
Concen: 20.545 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion: 83 Resp: 55005
Ion Ratio Lower Upper
83 100
85 62.7 51.1 76.7
127 8.2 6.6 9.8

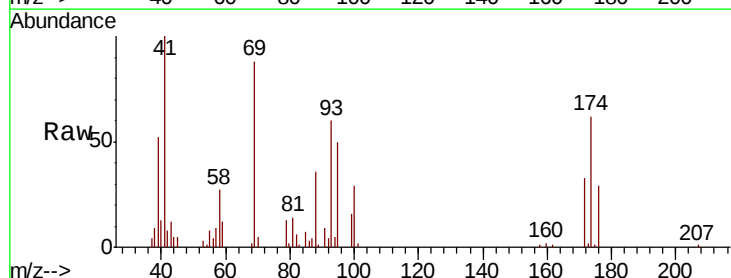


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

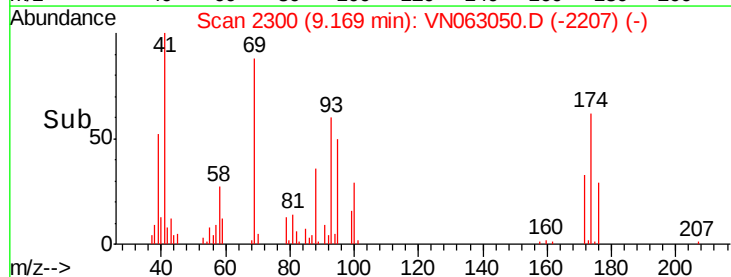
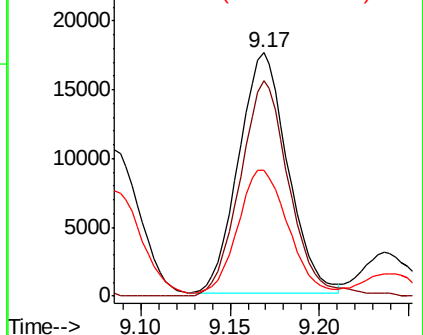


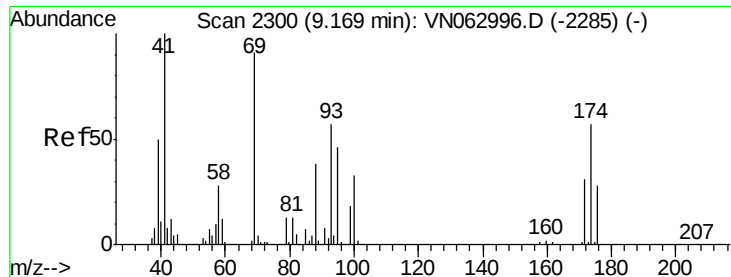
#48
Methyl methacrylate
Concen: 19.817 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 41 Resp: 33594
Ion Ratio Lower Upper
41 100
69 89.9 74.2 111.4
39 52.0 42.5 63.7



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

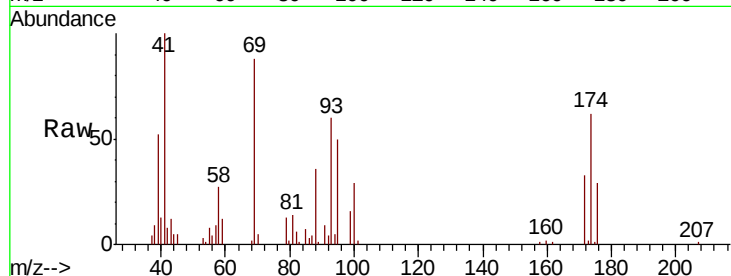




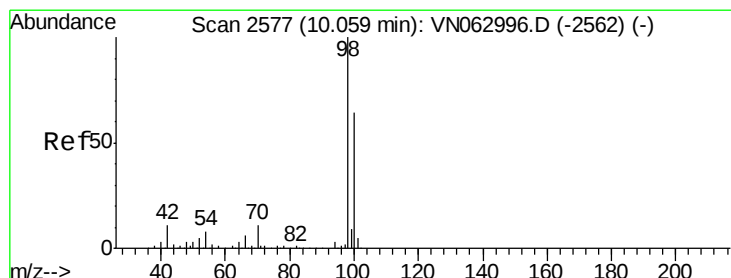
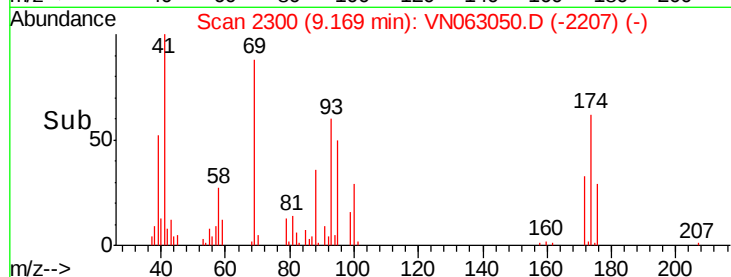
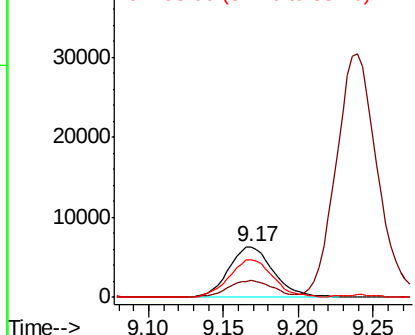
#49
1,4-Dioxane
Concen: 360.903 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion: 88 Resp: 13093
Ion Ratio Lower Upper
88 100
43 34.0 25.2 37.8
58 73.1 56.7 85.1

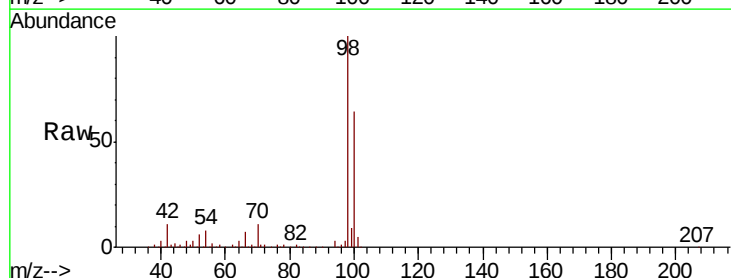


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

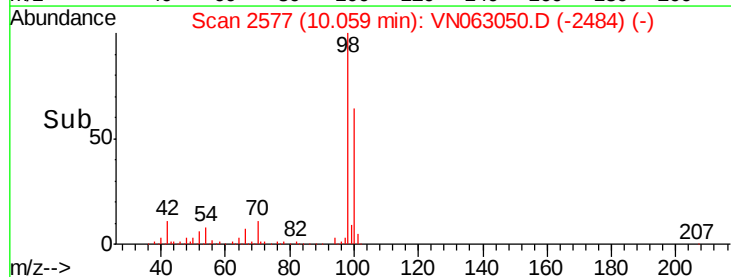
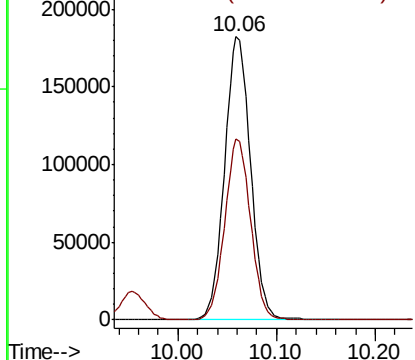


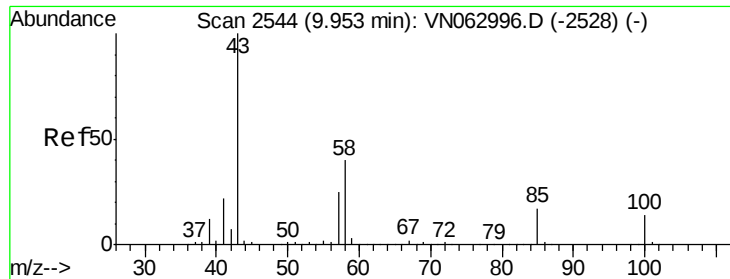
#50
Toluene-d8
Concen: 51.377 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 98 Resp: 336778
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 102.273 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

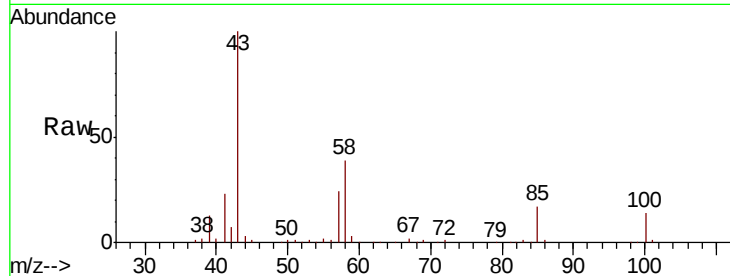
VN0820WBS02

Tot Ion: 43 Resp: 231616

Ion Ratio Lower Upper

43 100

58 39.3 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

9.95

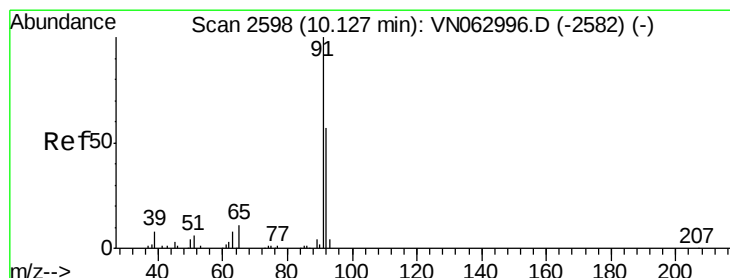
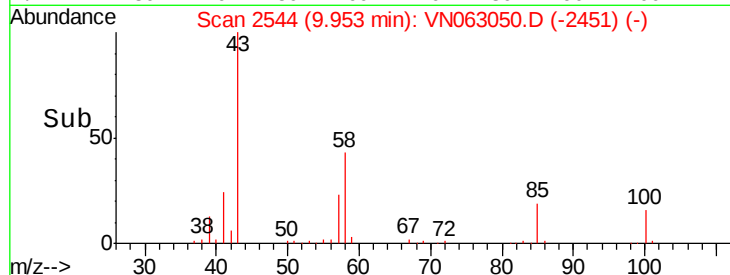
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.577 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063050.D

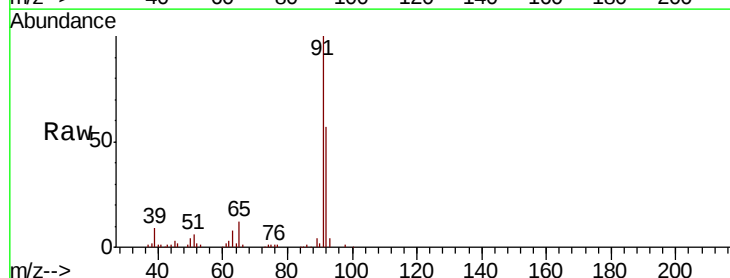
Acq: 20 Aug 2020 22:02

Tgt Ion: 92 Resp: 90866

Ion Ratio Lower Upper

92 100

91 176.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

10.13

100000

80000

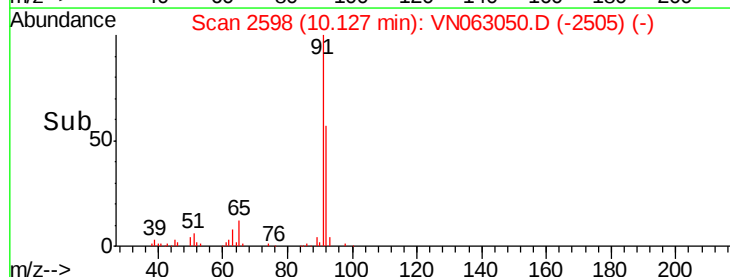
60000

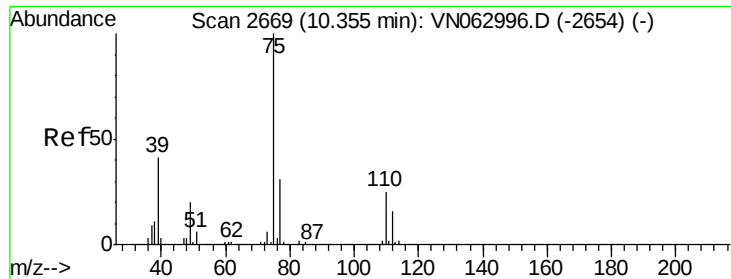
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.785 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

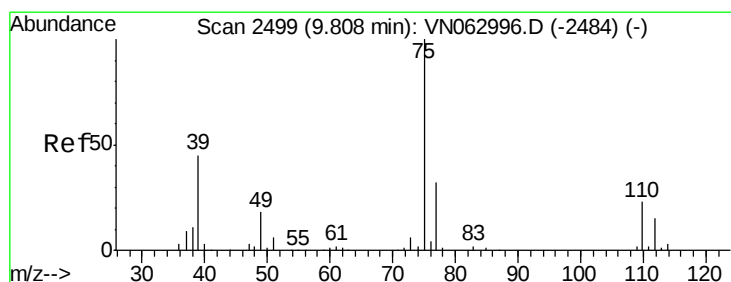
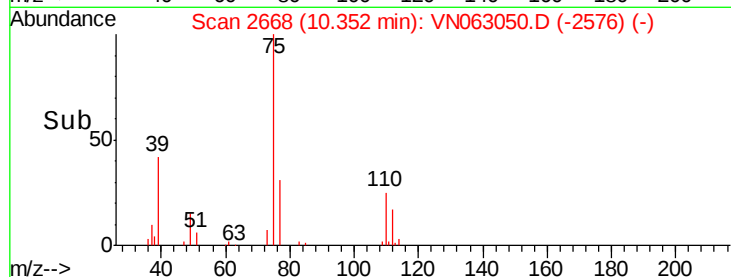
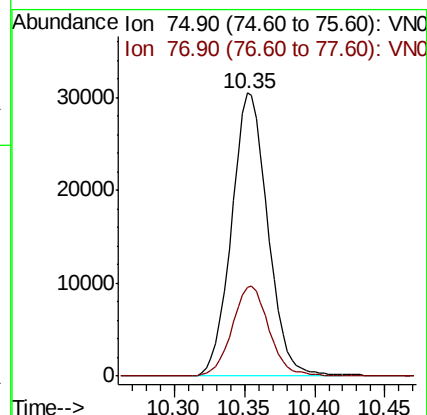
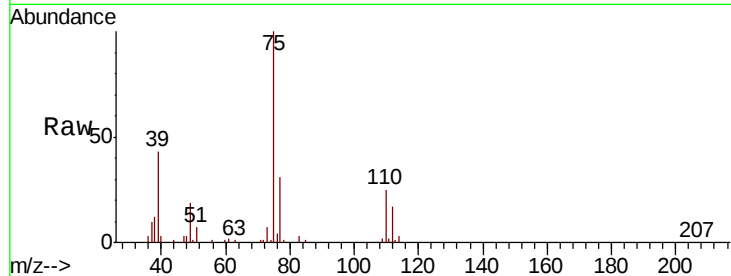
VN0820WBS02

Tot Ion: 75 Resp: 54779

Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.156 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

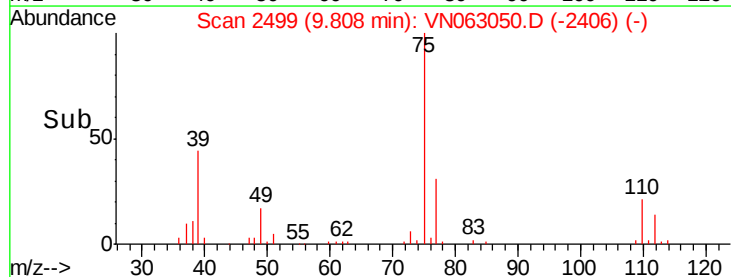
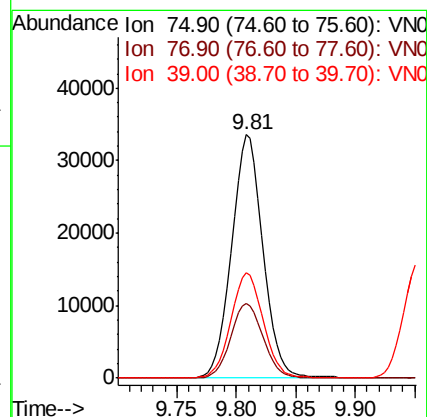
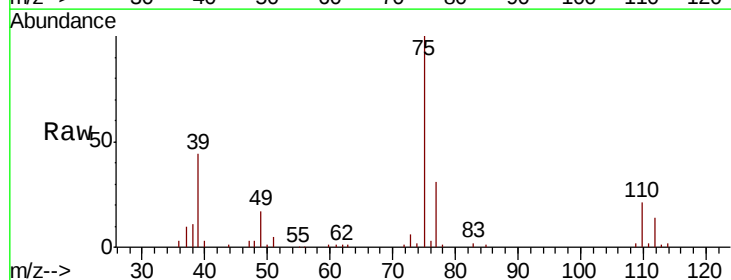
Tgt Ion: 75 Resp: 61218

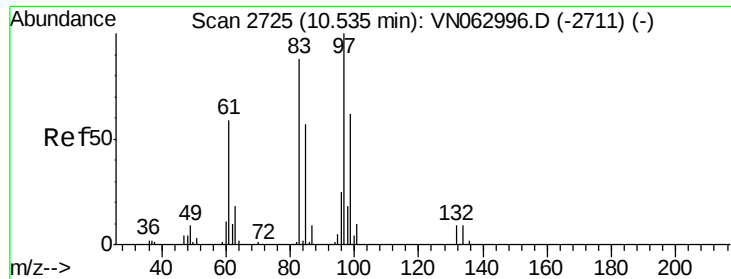
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2

39 43.5 35.7 53.5

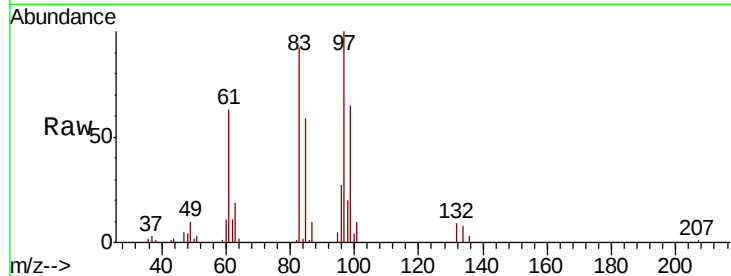




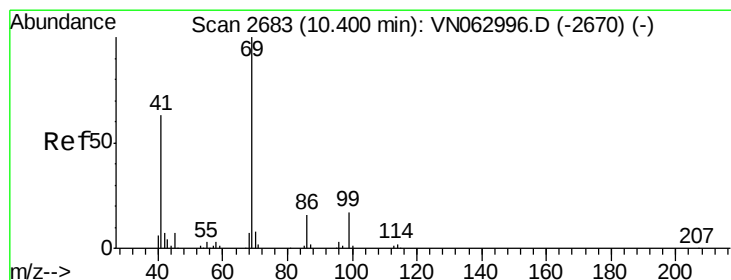
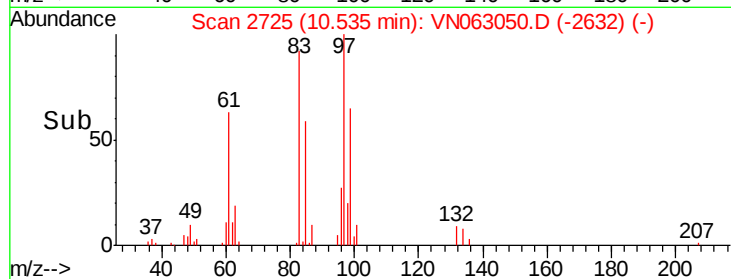
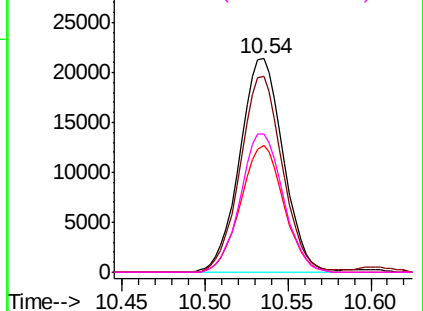
#55
 1,1,2-Trichloroethane
 Concen: 20.673 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion:	97	Resp:	39035
Ion	Ratio	Lower	Upper
97	100		
83	91.9	70.5	105.7
85	59.1	45.8	68.6
99	64.5	49.7	74.5

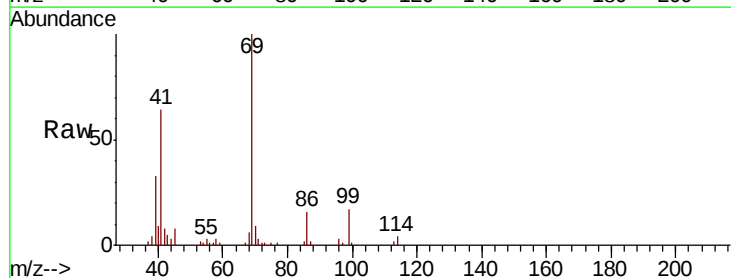


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

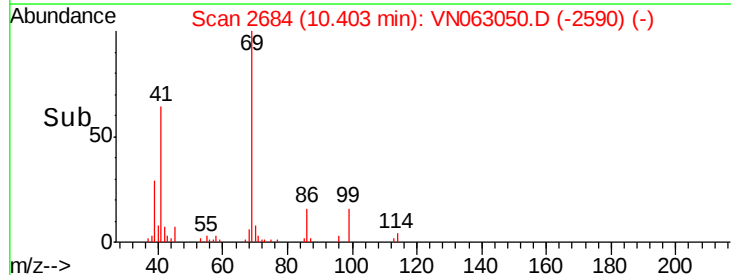
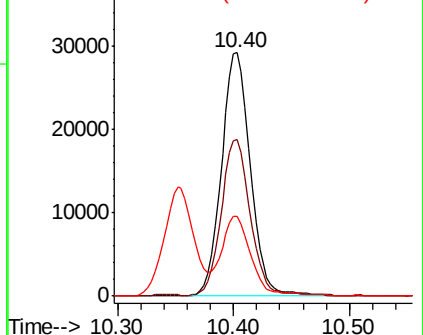


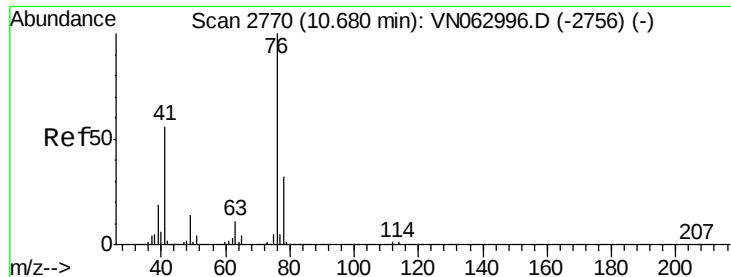
#56
 Ethyl methacrylate
 Concen: 18.518 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion:	69	Resp:	50691
Ion	Ratio	Lower	Upper
69	100		
41	65.3	50.2	75.2
39	32.0	24.2	36.4



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





#57

1,3-Dichloropropane

Concen: 20.681 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

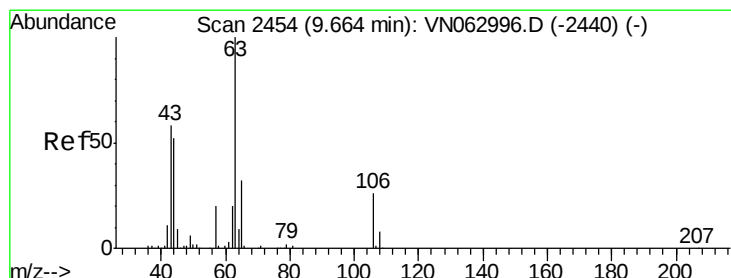
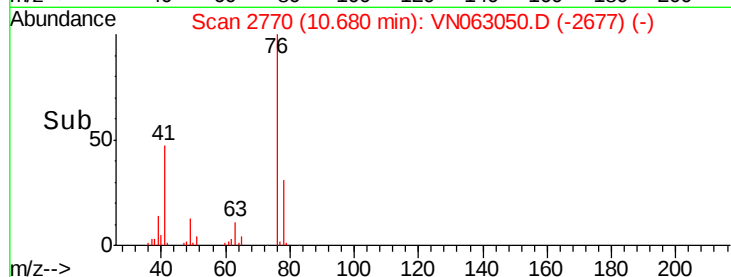
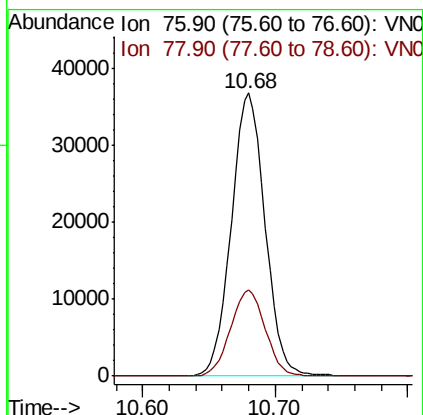
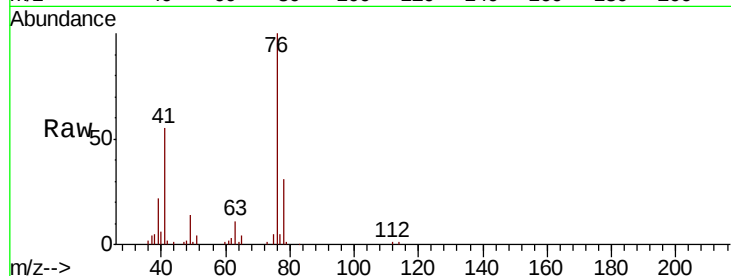
VN0820WBS02

Tot Ion: 76 Resp: 64843

Ion Ratio Lower Upper

76 100

78 31.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 75.604 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN063050.D

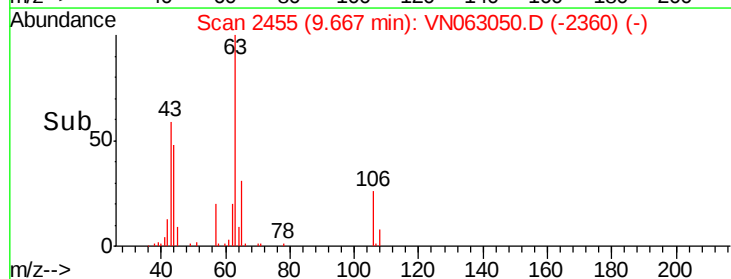
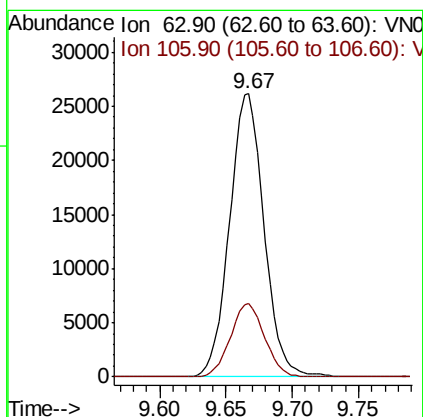
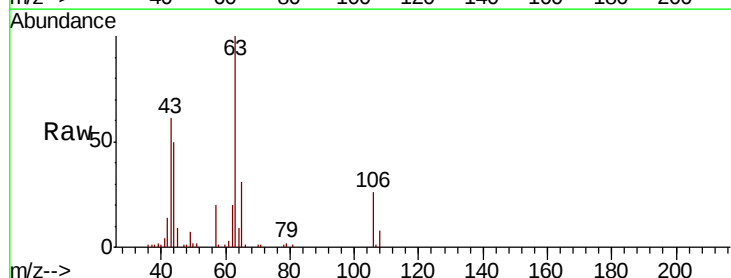
Acq: 20 Aug 2020 22:02

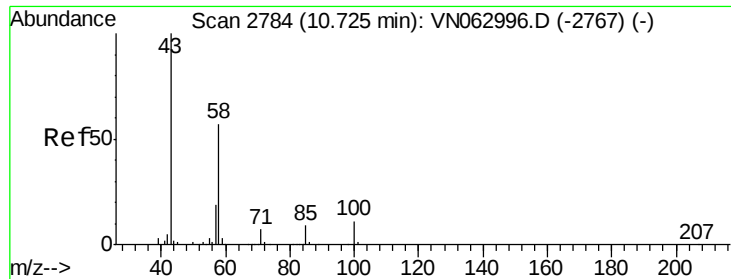
Tgt Ion: 63 Resp: 47259

Ion Ratio Lower Upper

63 100

106 25.5 20.7 31.1

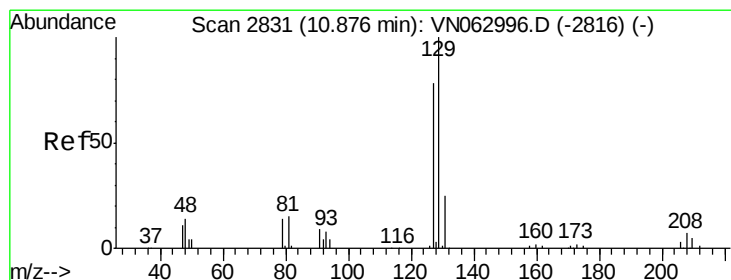
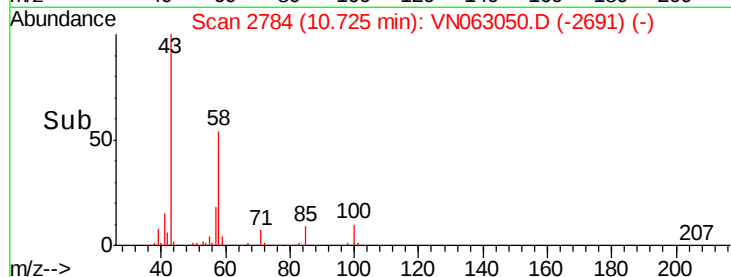
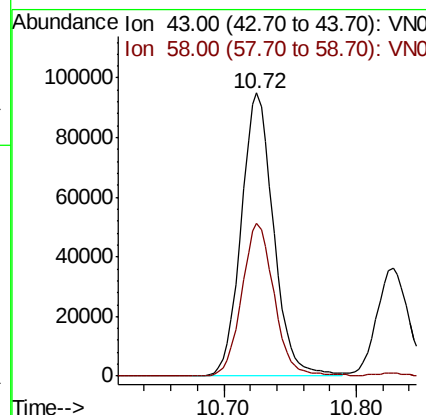
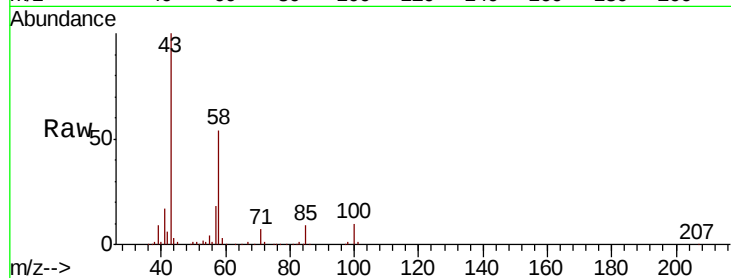




#59
2-Hexanone
Concen: 101.844 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

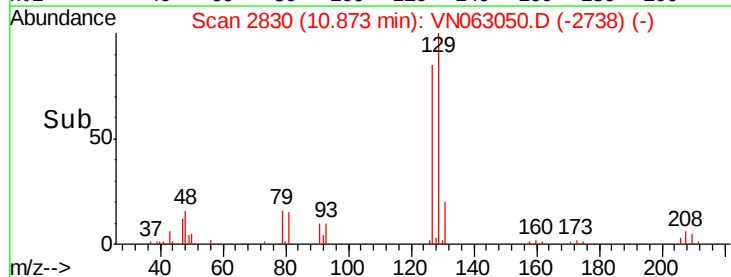
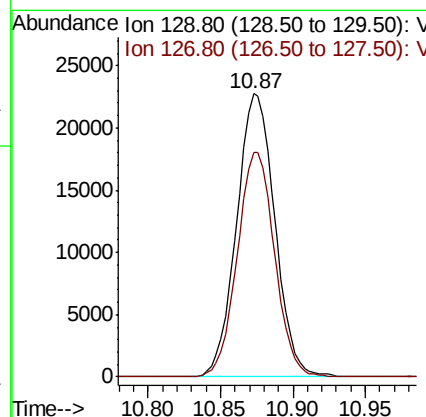
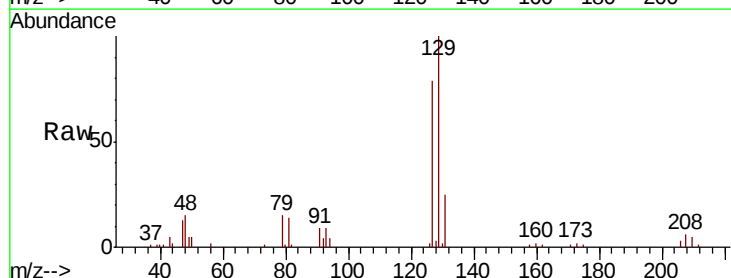
Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

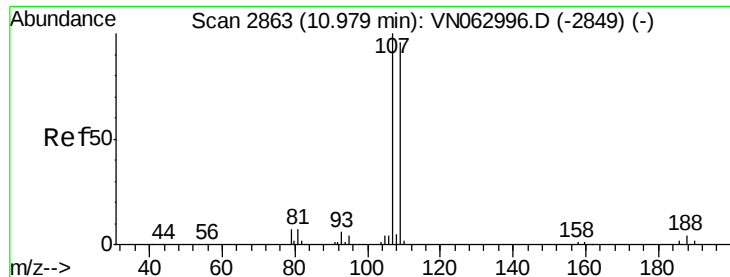
Tot Ion: 43 Resp: 160880
Ion Ratio Lower Upper
43 100
58 53.9 28.1 84.3



#60
Dibromochloromethane
Concen: 19.974 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 129 Resp: 41737
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2

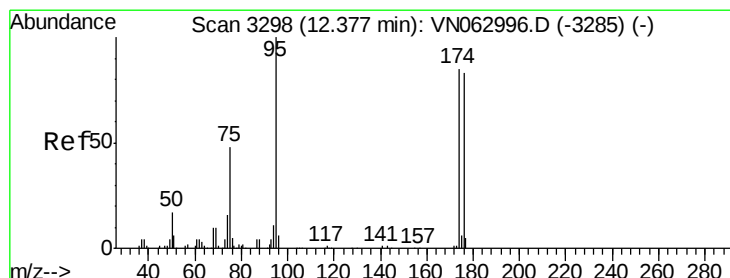
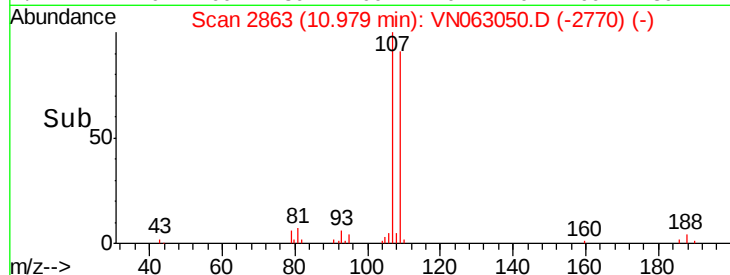
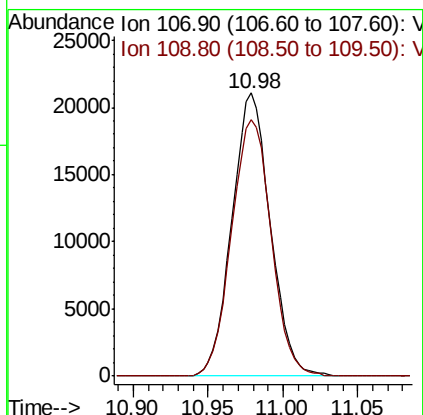
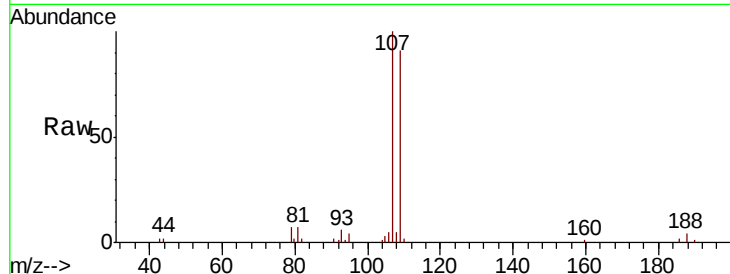




#61
 1,2-Dibromoethane
 Concen: 20.796 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

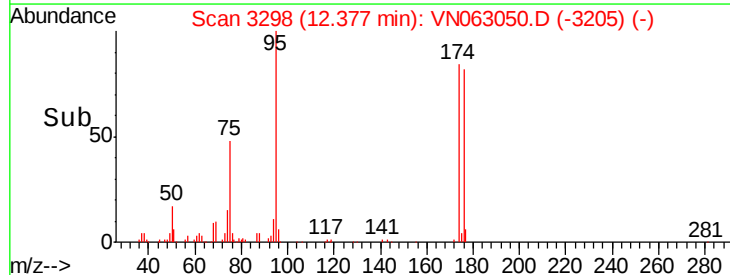
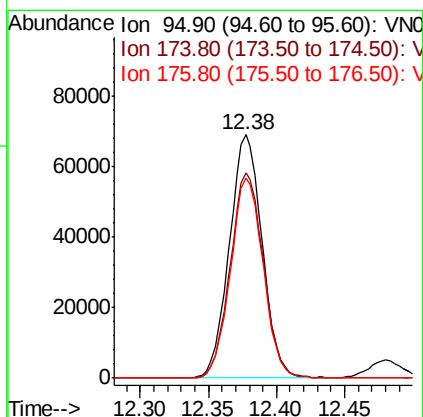
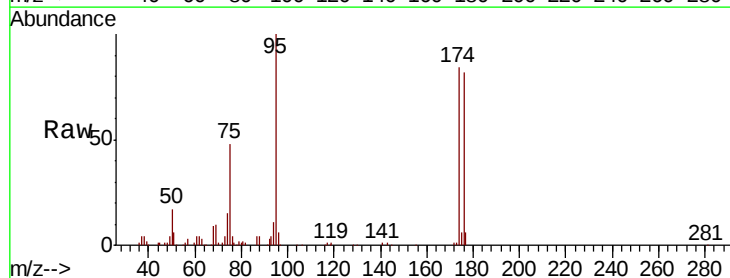
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

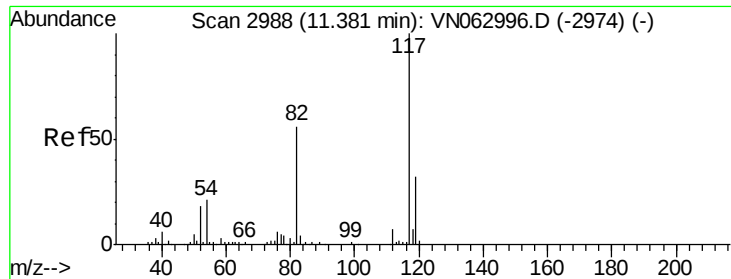
Tot Ion: 107 Resp: 37730
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.693 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion: 95 Resp: 114947
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 170.8
 176 82.4 0.0 164.8

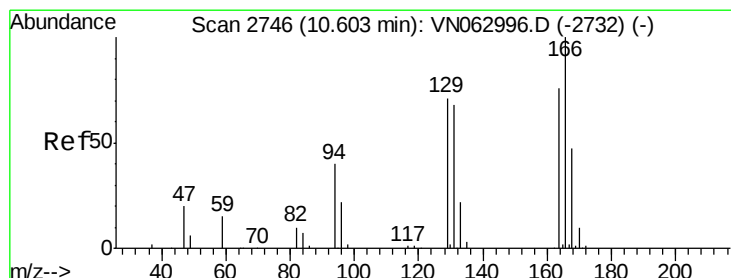
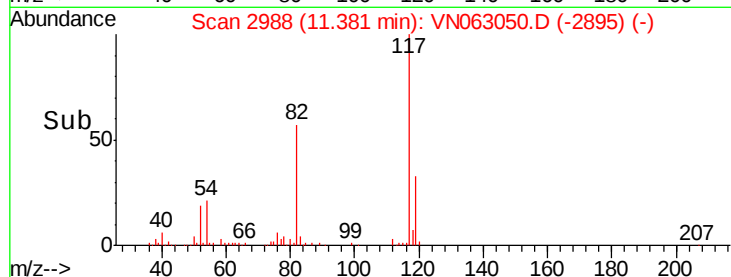
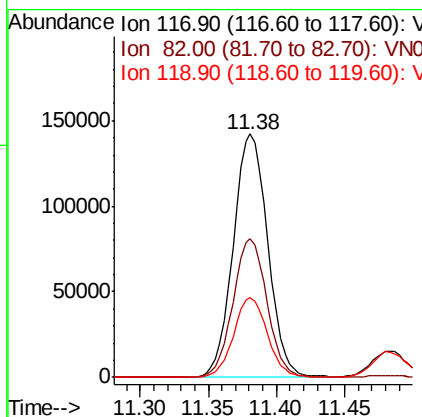
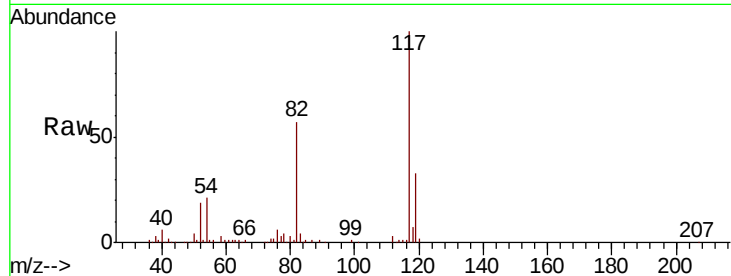




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

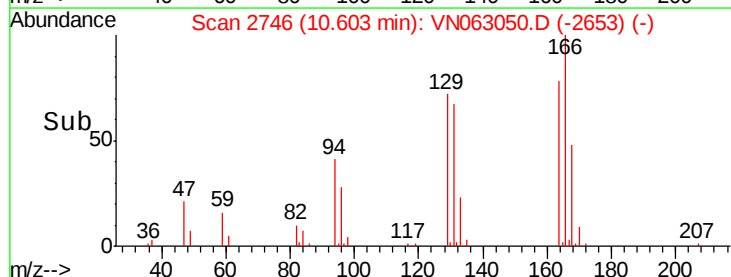
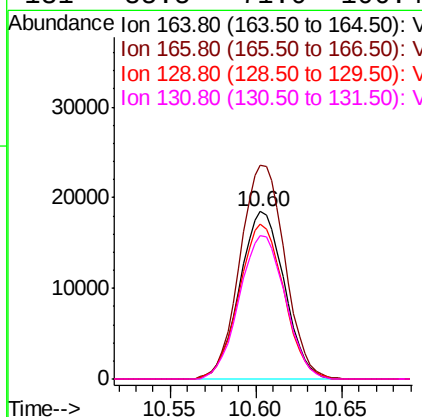
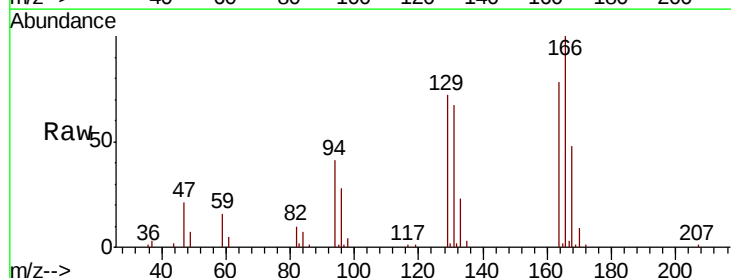
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

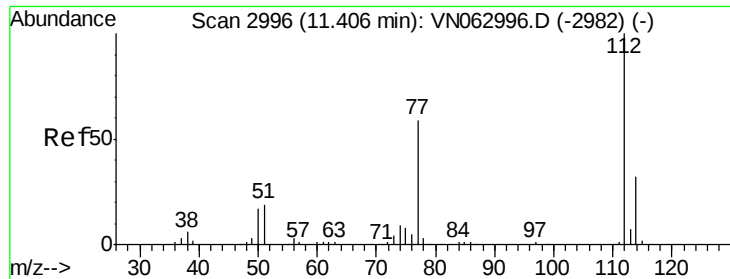
Tot Ion:117 Resp: 250022
Ion Ratio Lower Upper
117 100
82 57.2 44.5 66.7
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 20.302 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:164 Resp: 33366
Ion Ratio Lower Upper
164 100
166 127.5 105.0 157.6
129 92.4 74.7 112.1
131 85.5 71.0 106.4

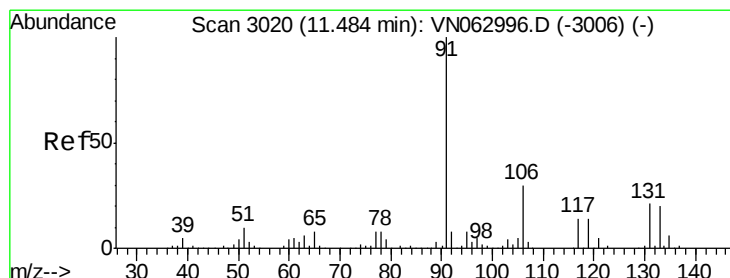
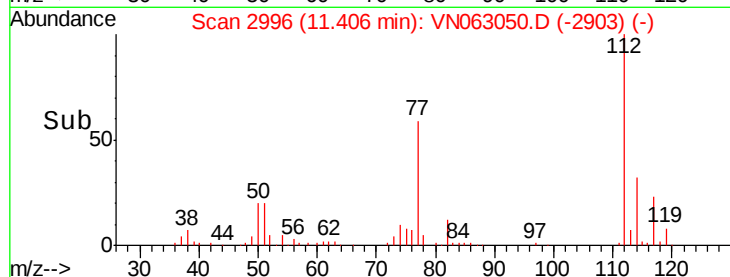
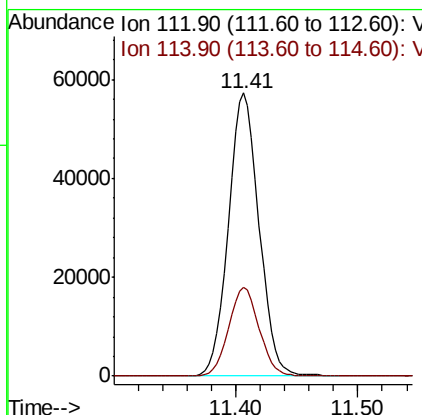
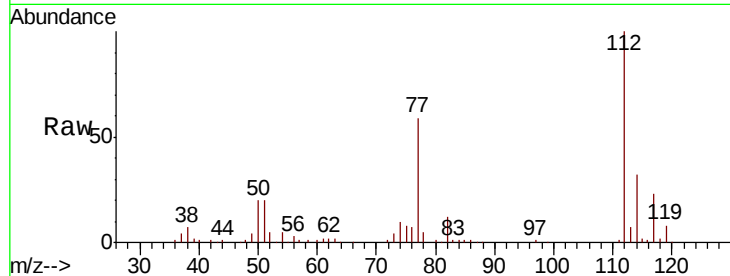




#65
Chlorobenzene
Concen: 19.920 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

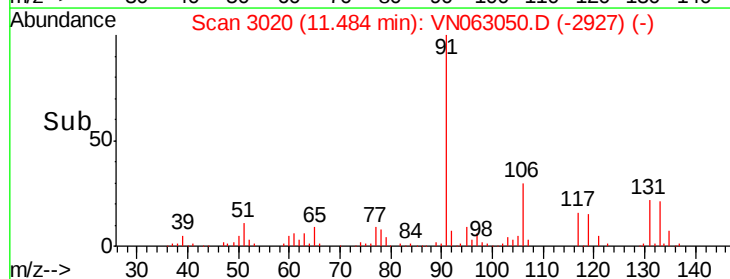
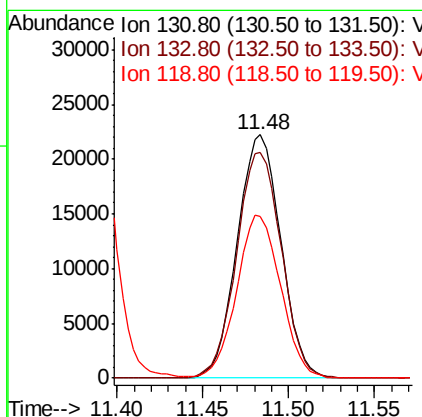
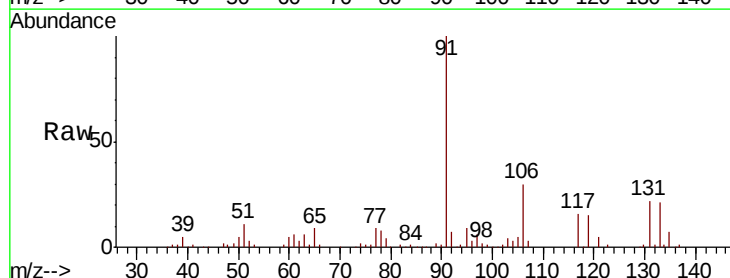
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

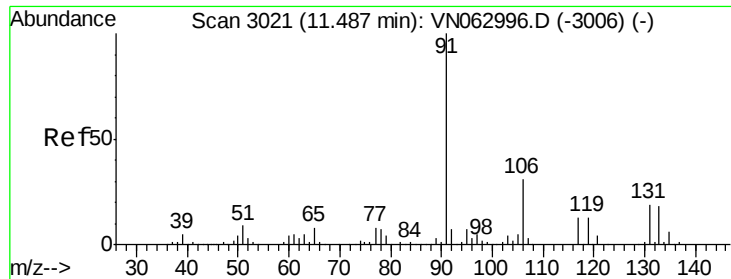
Tot Ion:112 Resp: 100026
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.029 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:131 Resp: 39118
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 67.5 33.1 99.3

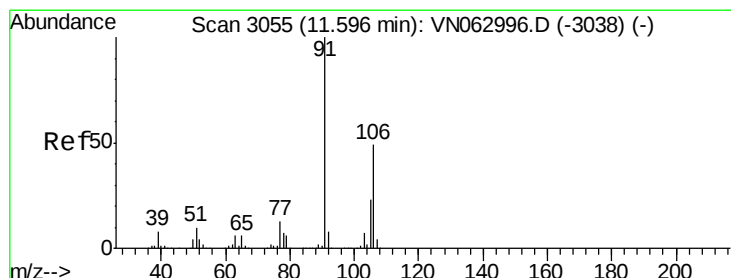
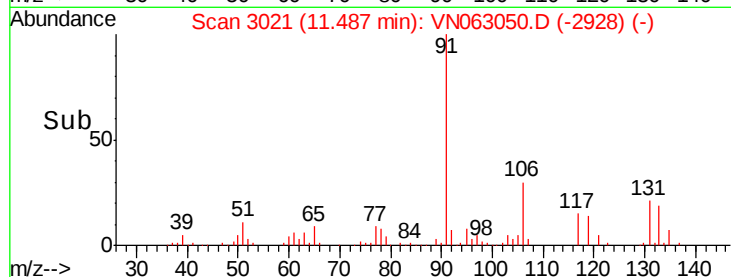
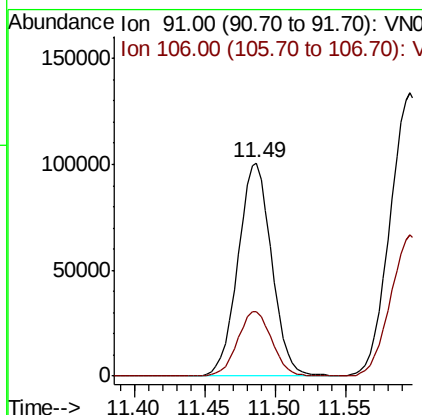
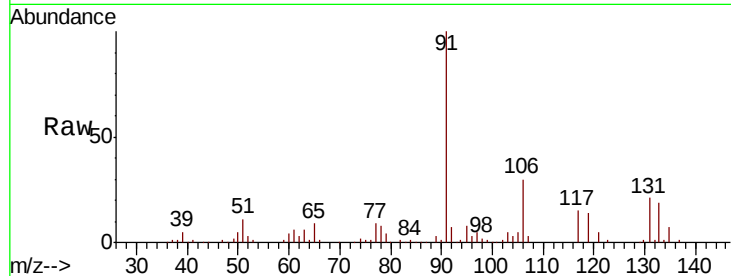




#67
Ethyl Benzene
Concen: 19.858 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

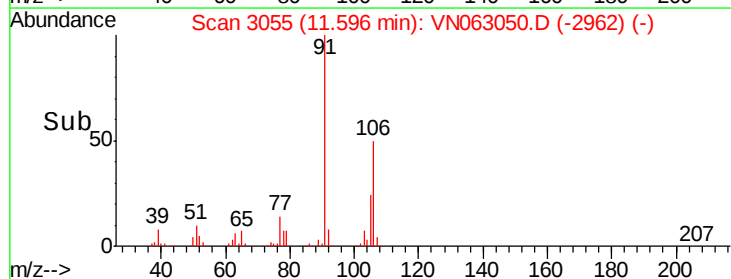
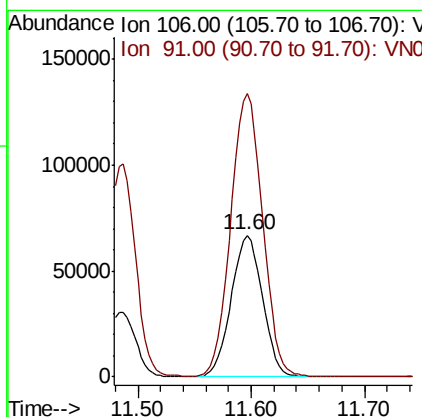
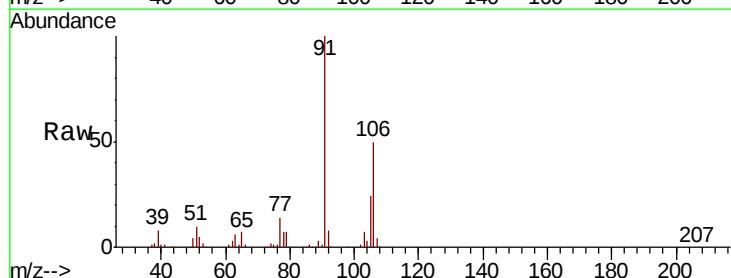
Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

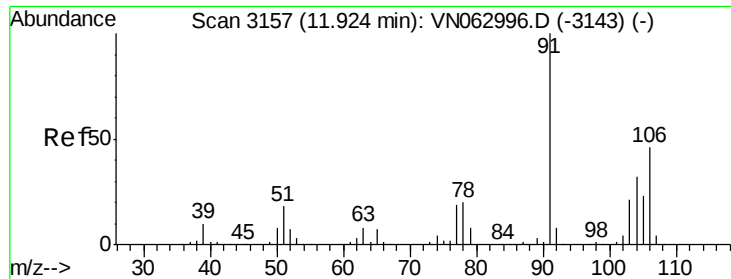
Tot Ion: 91 Resp: 168492
Ion Ratio Lower Upper
91 100
106 30.0 24.6 37.0



#68
m/p-Xylenes
Concen: 40.887 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 106 Resp: 128936
Ion Ratio Lower Upper
106 100
91 203.5 163.0 244.4

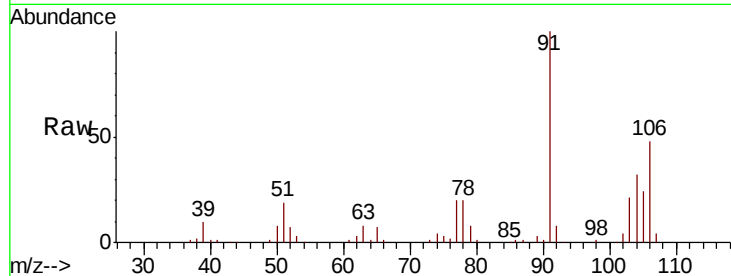




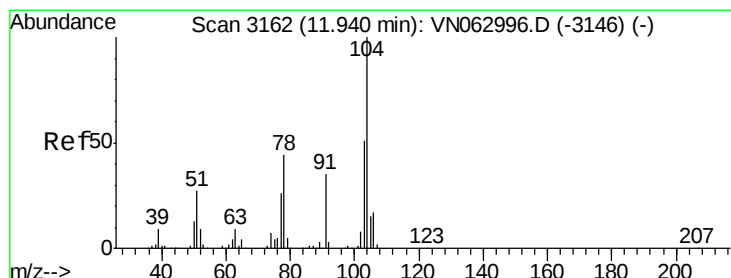
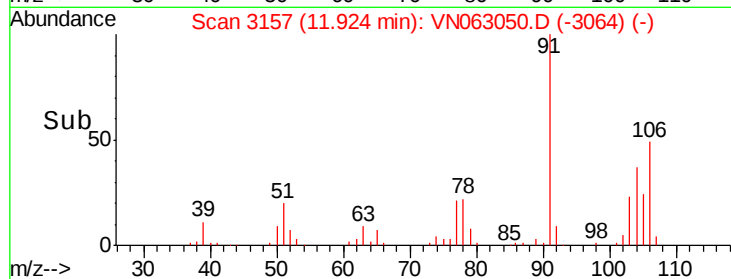
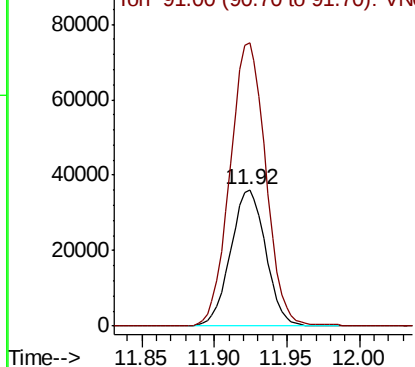
#69
o-Xylene
Concen: 20.038 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion:106 Resp: 60679
Ion Ratio Lower Upper
106 100
91 212.2 107.3 321.9

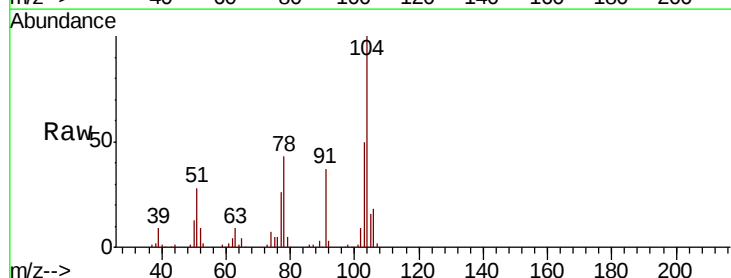


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

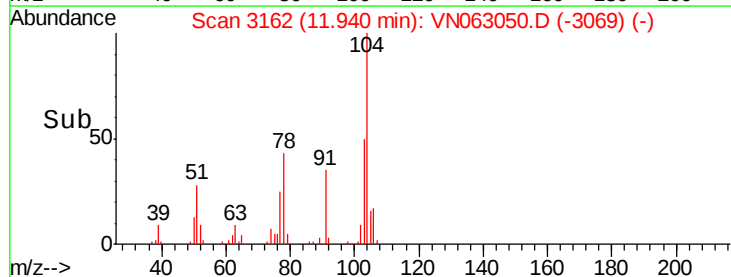
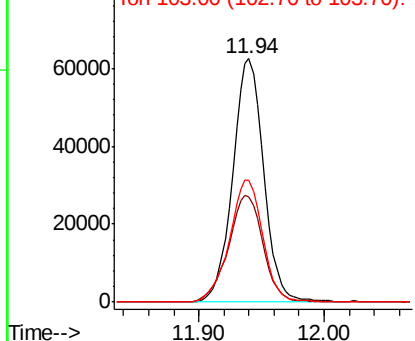


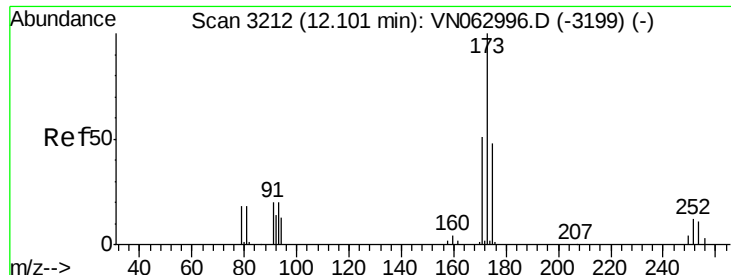
#70
Styrene
Concen: 19.105 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:104 Resp: 107380
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.6
103 54.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.650 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

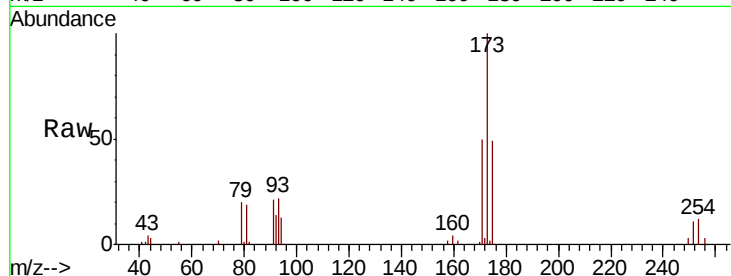
Tot Ion:173 Resp: 30548

Ion Ratio Lower Upper

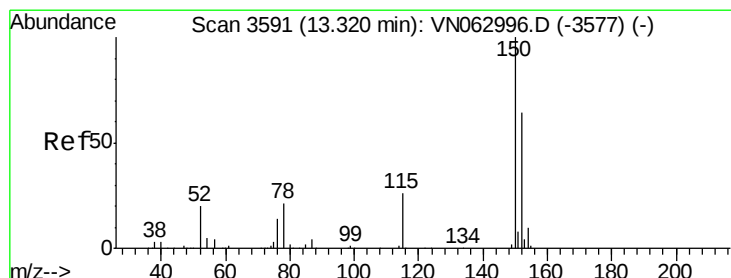
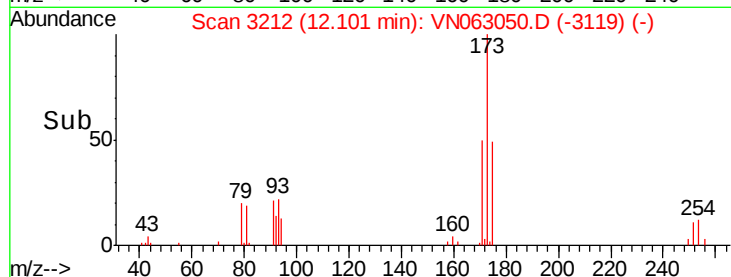
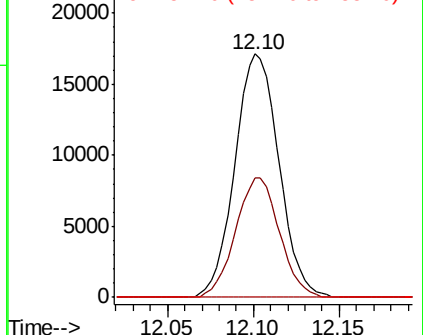
173 100

175 48.6 24.3 72.8

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# 3591

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

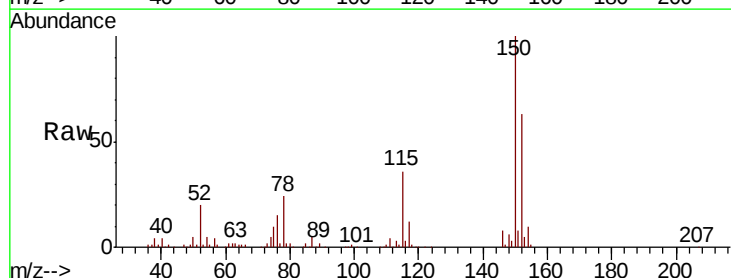
Tgt Ion:152 Resp: 116817

Ion Ratio Lower Upper

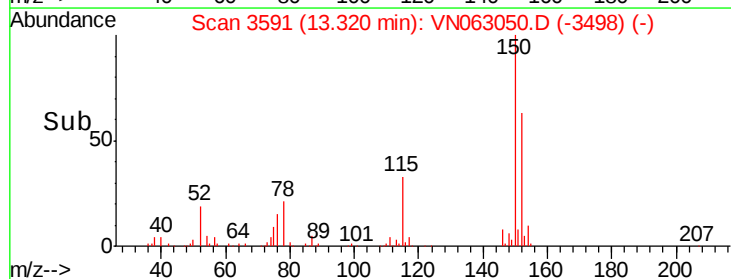
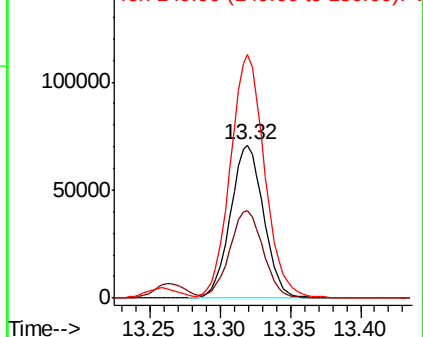
152 100

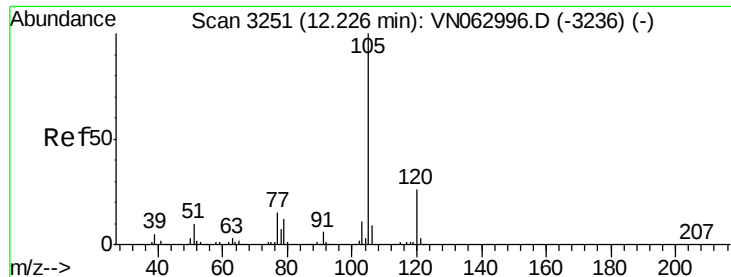
115 57.8 28.7 86.3

150 162.8 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

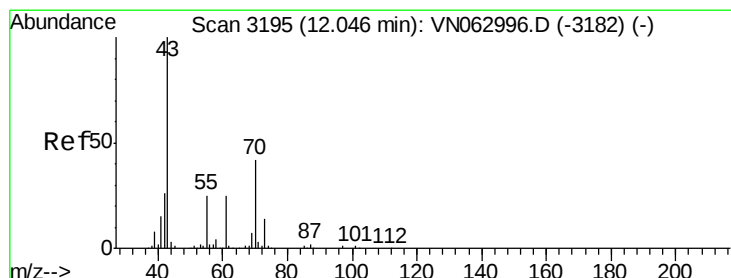
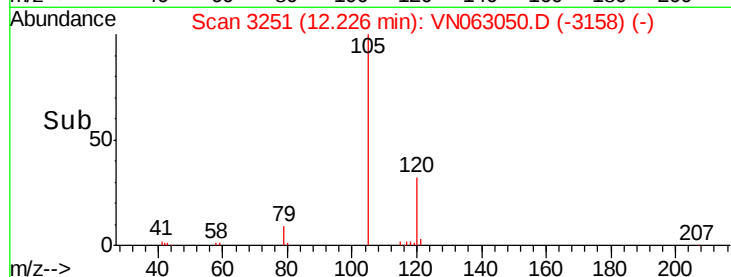
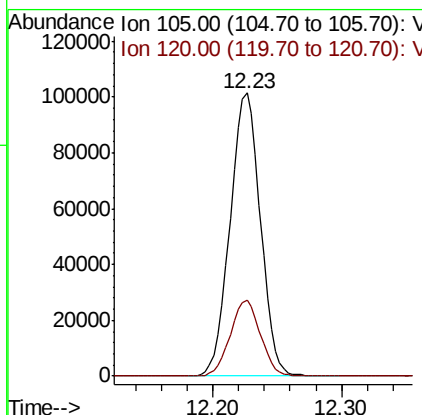
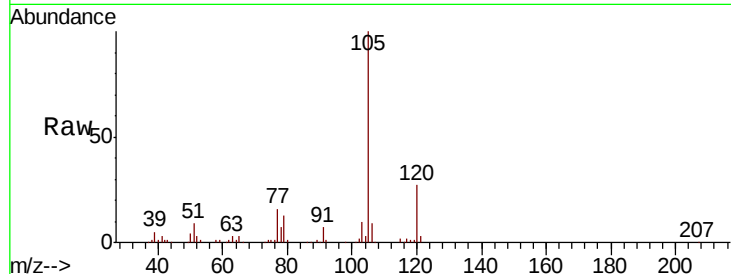




#73
Isopropylbenzene
Concen: 20.664 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

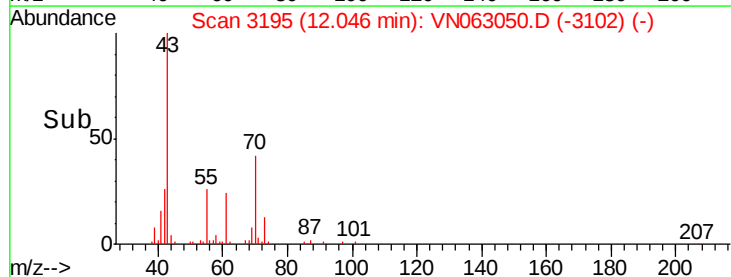
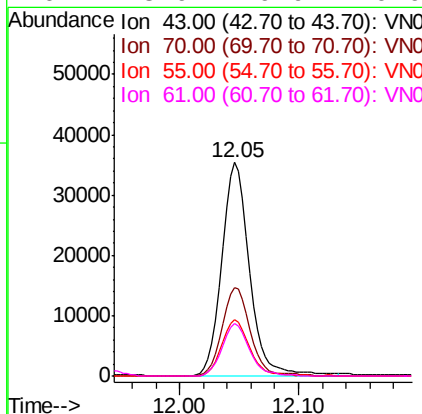
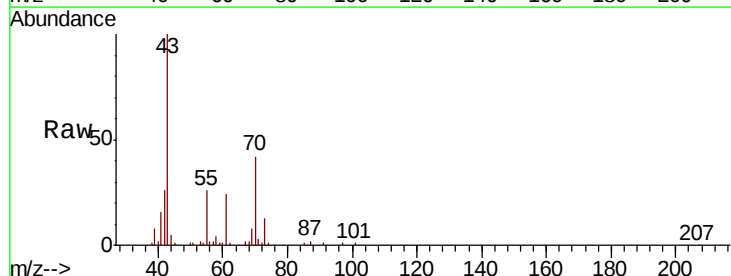
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

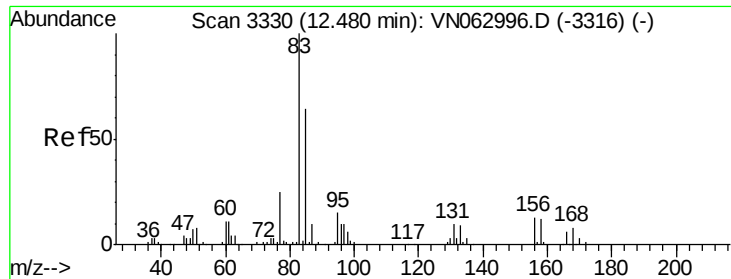
Tot Ion:105 Resp: 165304
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.6



#74
N-ethyl acetate
Concen: 20.072 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 43 Resp: 57509
Ion Ratio Lower Upper
43 100
70 41.7 33.4 50.0
55 26.1 20.2 30.2
61 23.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.226 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

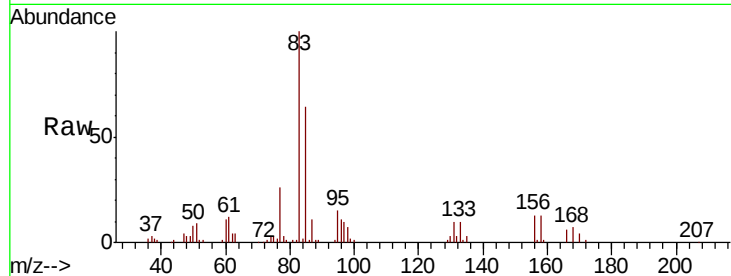
Tot Ion: 83 Resp: 57296

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

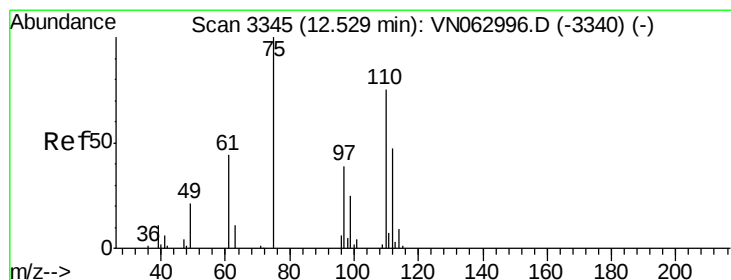
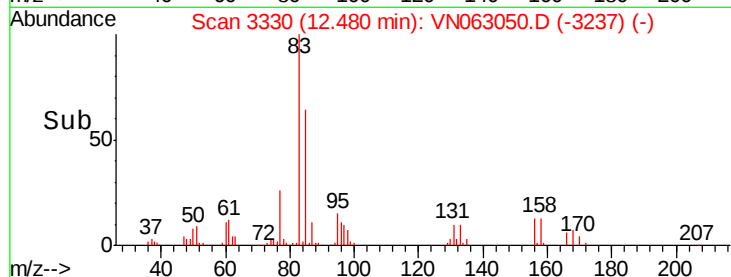
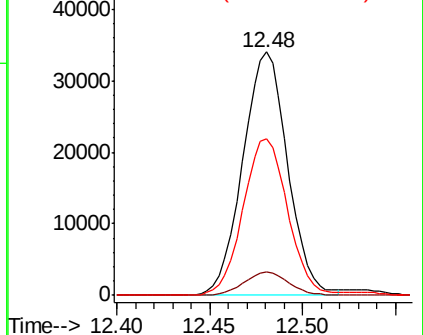
85 65.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN062996.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN062996.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN062996.D (-3316) (-)



#76

1,2,3-Trichloropropane

Concen: 29.662 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN063050.D

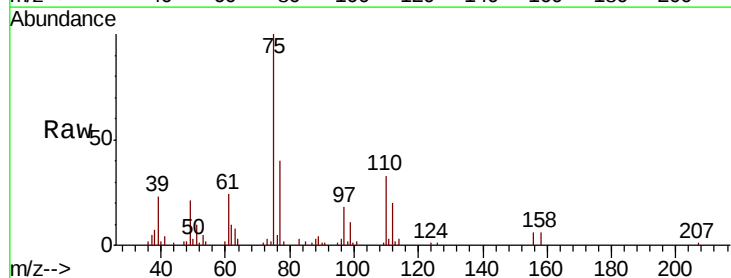
Acq: 20 Aug 2020 22:02

Tgt Ion: 75 Resp: 67353

Ion Ratio Lower Upper

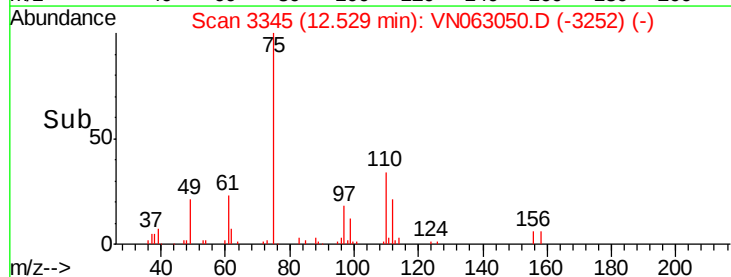
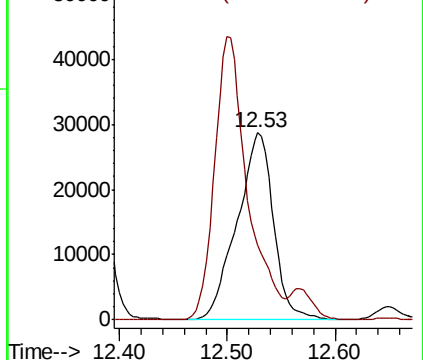
75 100

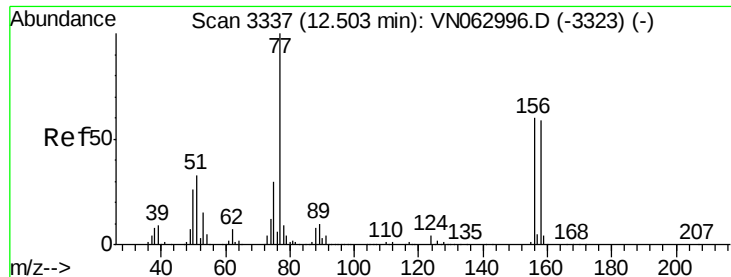
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062996.D (-3340) (-)





#77

Bromobenzene

Concen: 20.294 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

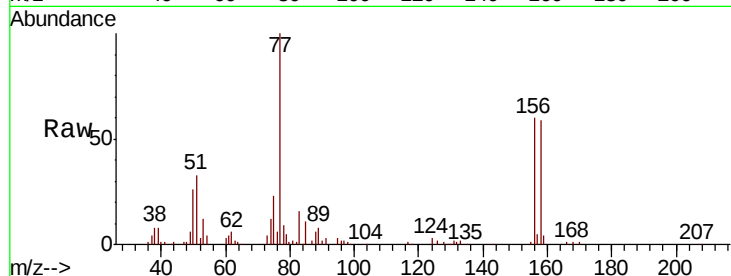
Tot Ion:156 Resp: 44649

Ion Ratio Lower Upper

156 100

77 205.7 101.0 302.9

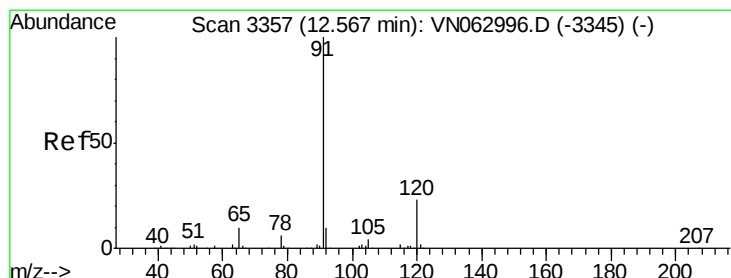
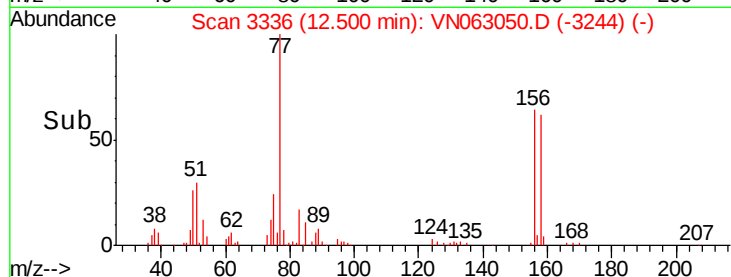
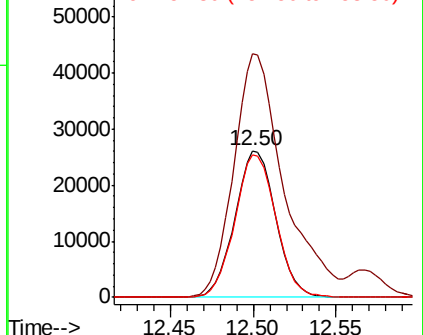
158 98.3 49.4 148.0



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: 21.258 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063050.D

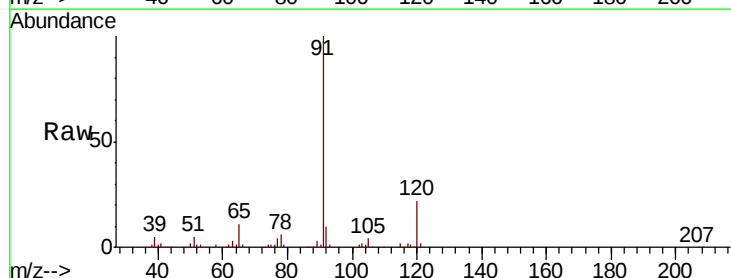
Acq: 20 Aug 2020 22:02

Tgt Ion: 91 Resp: 193837

Ion Ratio Lower Upper

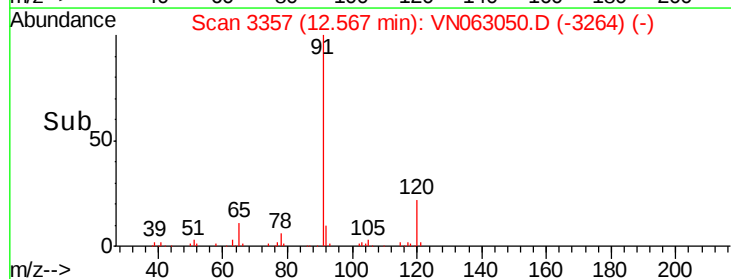
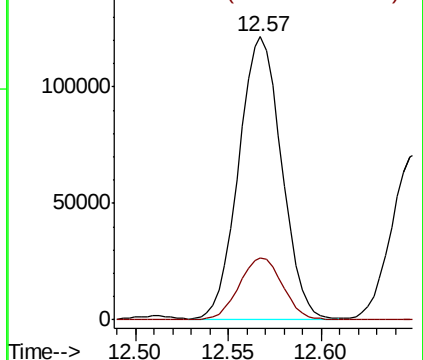
91 100

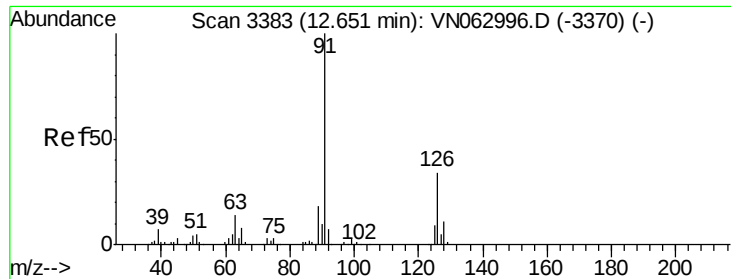
120 22.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

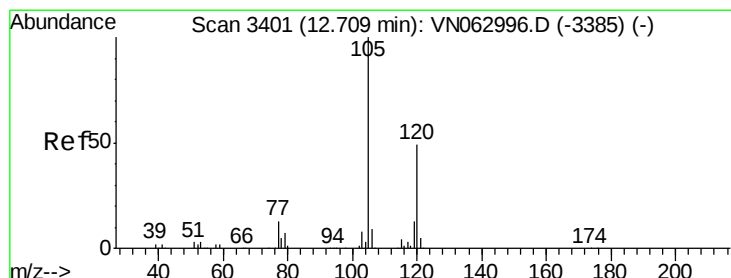
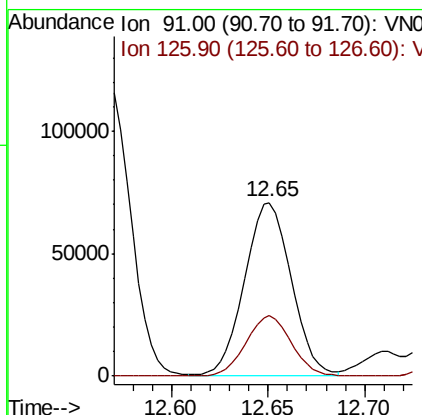
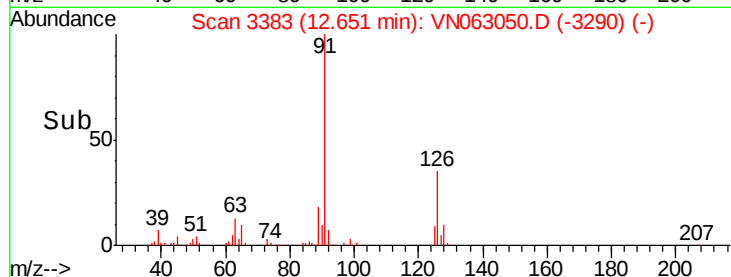
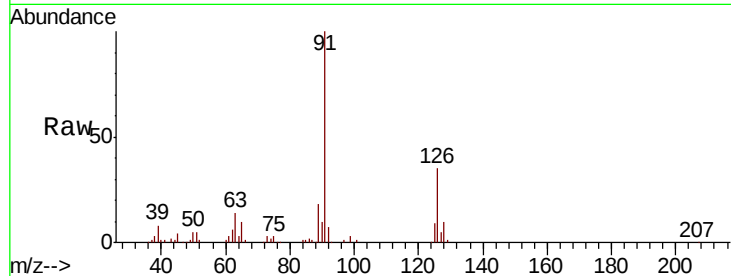




#79
 2-Chlorotoluene
 Concen: 20.684 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

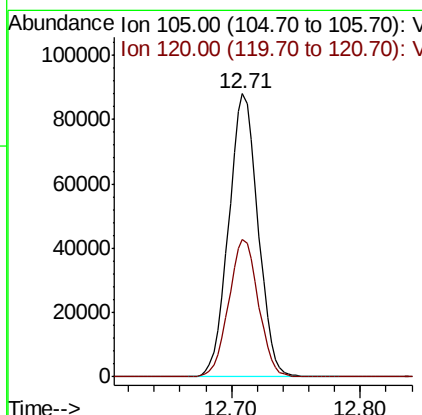
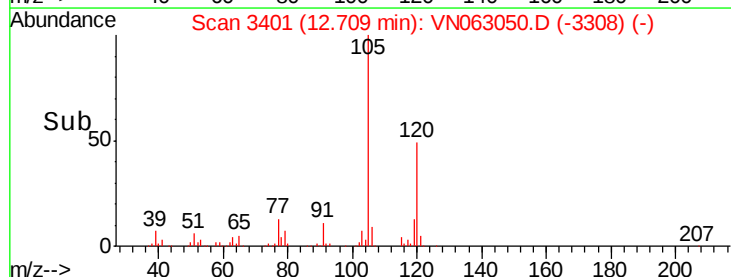
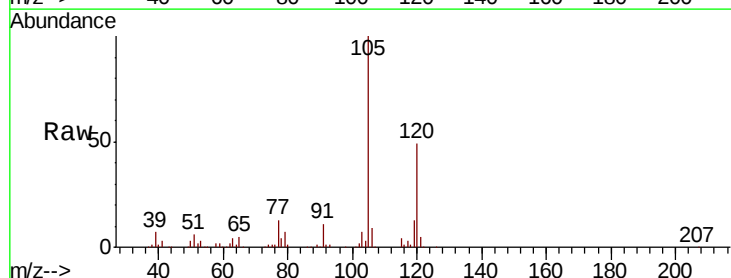
Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBS02

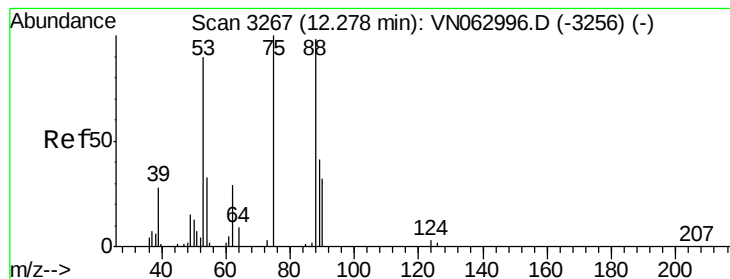
Tot Ion: 91 Resp: 118628
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.991 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion: 105 Resp: 138813
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.383 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

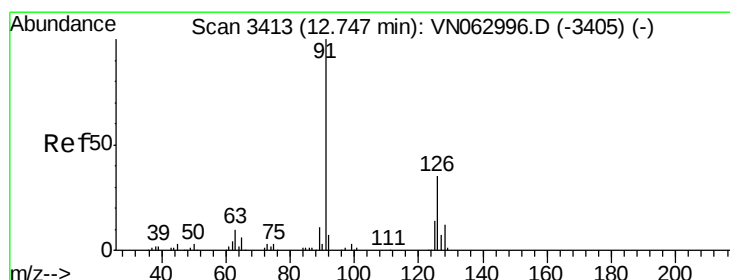
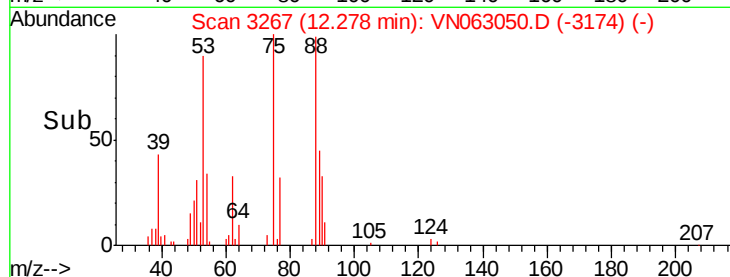
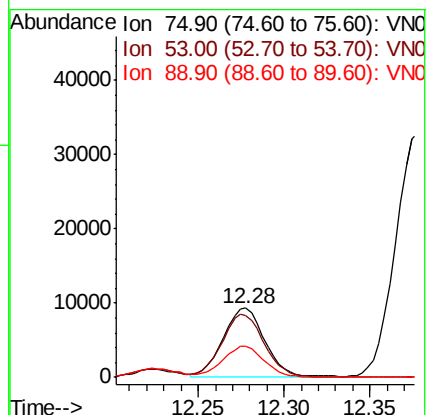
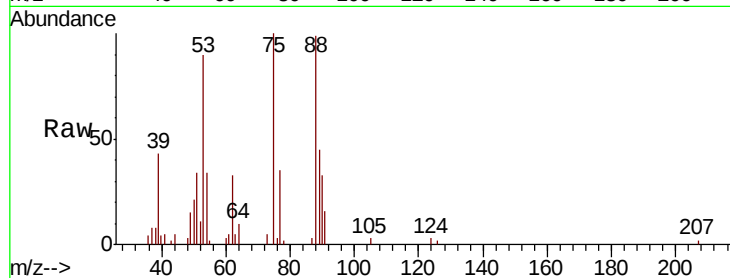
Tot Ion: 75 Resp: 16025

Ion Ratio Lower Upper

75 100

53 91.0 69.2 103.8

89 44.1 34.2 51.4



#82

4-Chlorotoluene

Concen: 20.712 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN063050.D

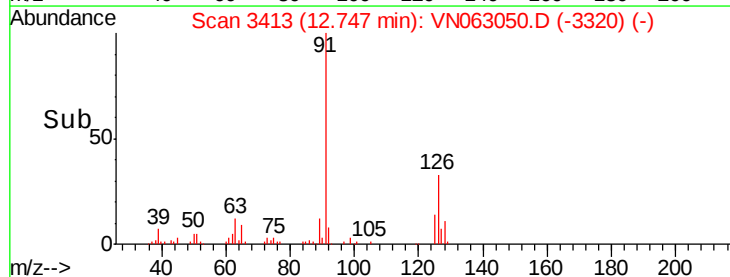
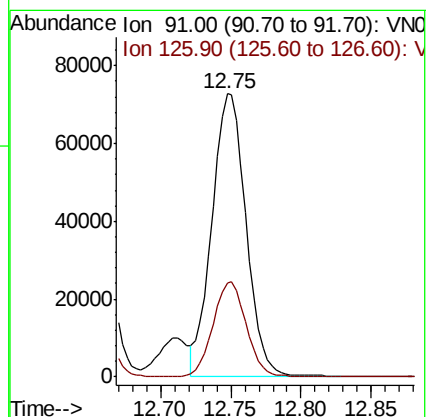
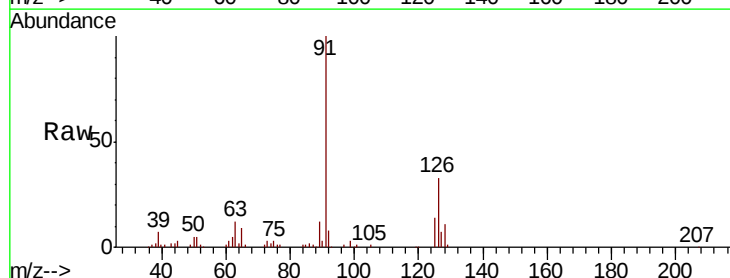
Acq: 20 Aug 2020 22:02

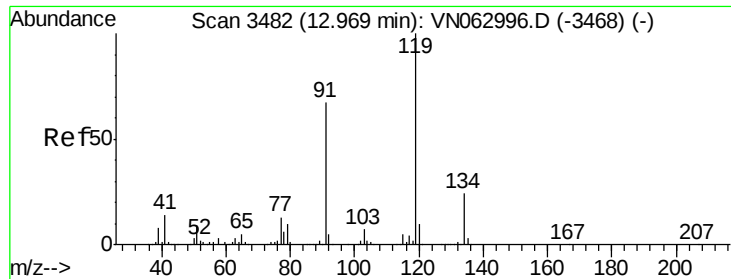
Tgt Ion: 91 Resp: 120957

Ion Ratio Lower Upper

91 100

126 33.1 16.5 49.5

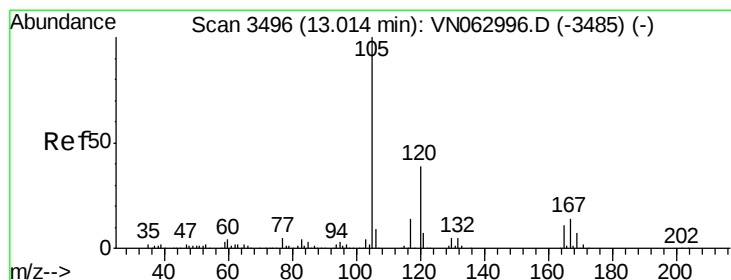
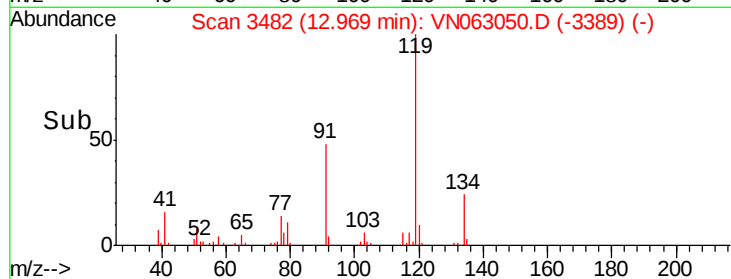
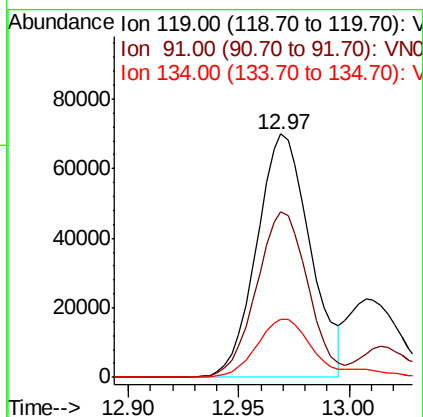
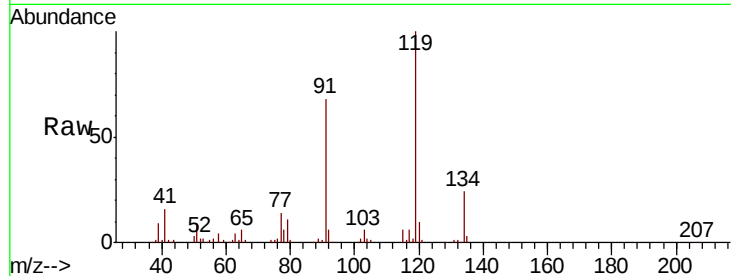




#83
tert-Butylbenzene
Concen: 20.593 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

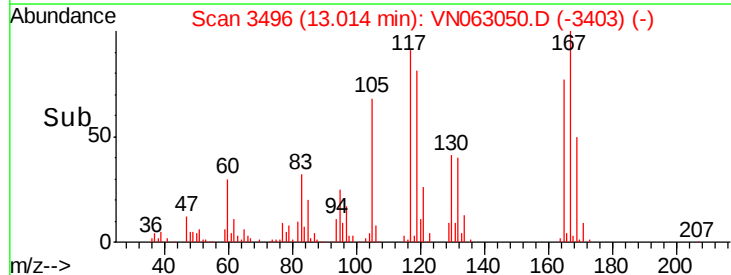
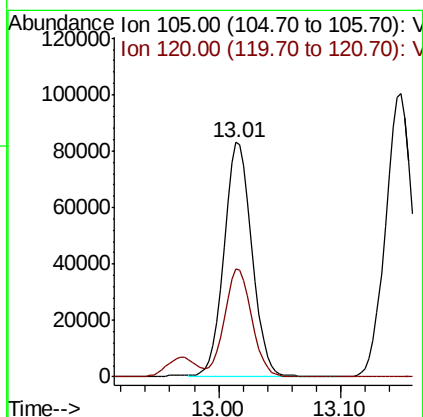
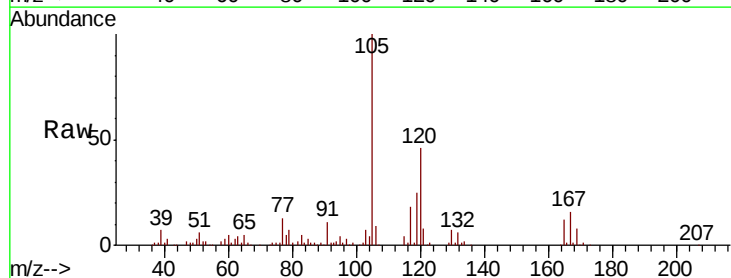
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

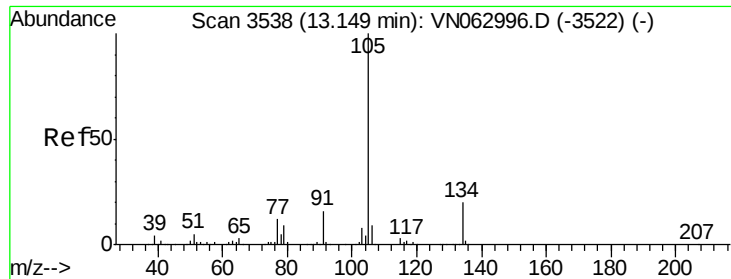
Tot Ion:119 Resp: 117536
Ion Ratio Lower Upper
119 100
91 65.9 32.5 97.4
134 24.2 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 20.752 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:105 Resp: 133692
Ion Ratio Lower Upper
105 100
120 44.8 22.5 67.5





#85

sec-Butylbenzene

Concen: 20.593 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

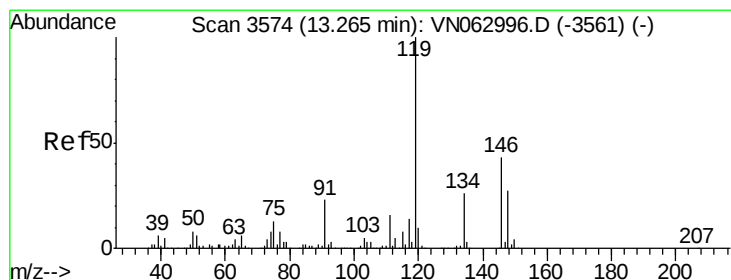
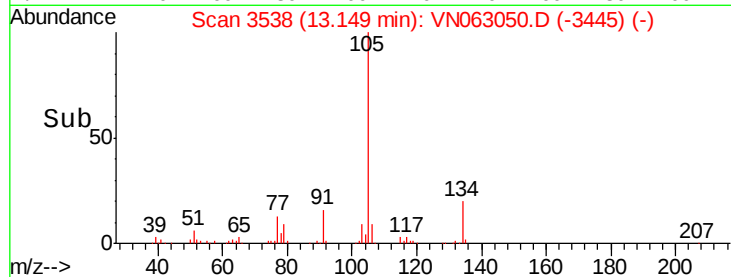
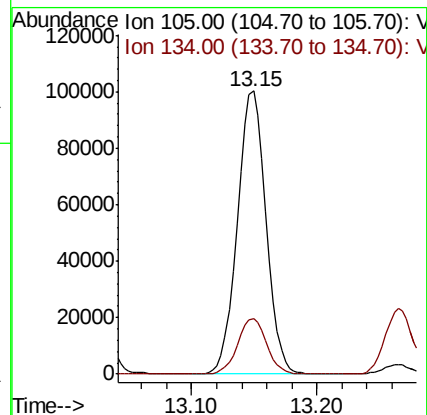
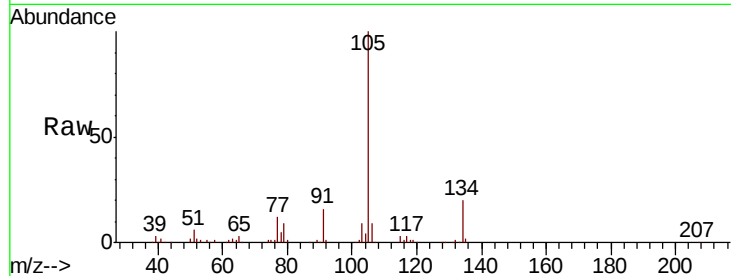
VN0820WBS02

Tot Ion:105 Resp: 158849

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4



#86

p-Isopropyltoluene

Concen: 19.881 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

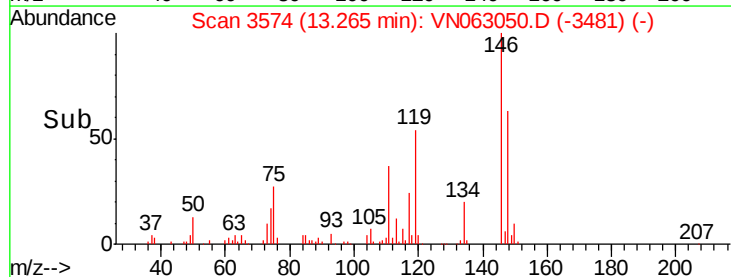
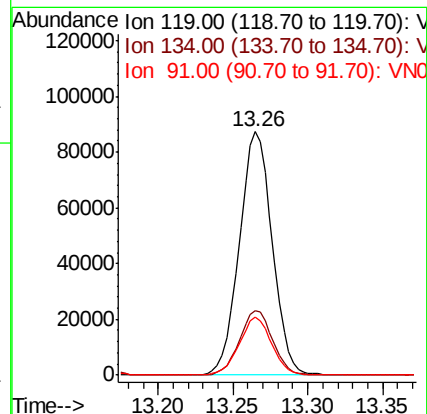
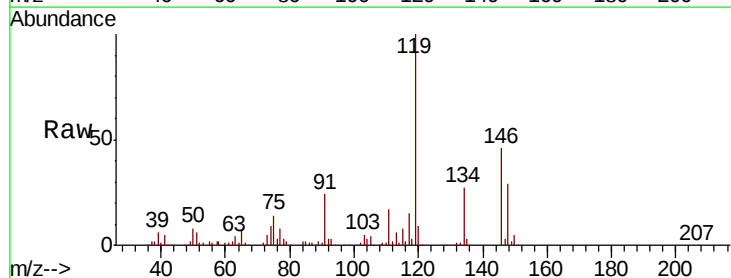
Tgt Ion:119 Resp: 133625

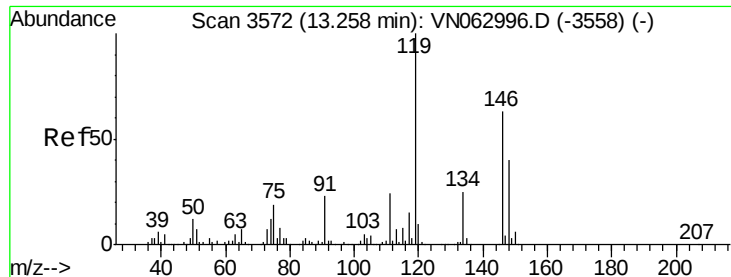
Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

91 23.7 11.5 34.4

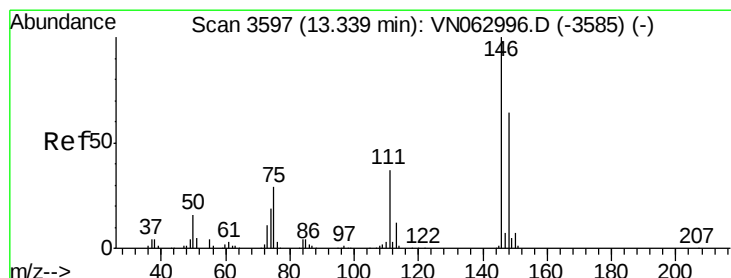
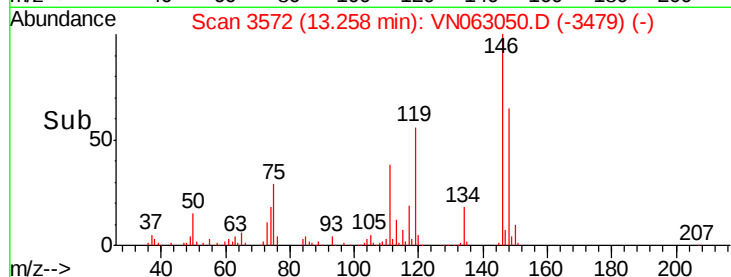
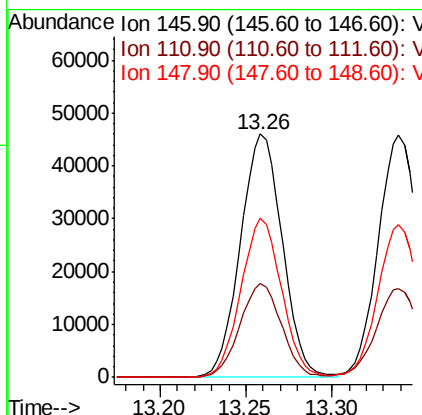
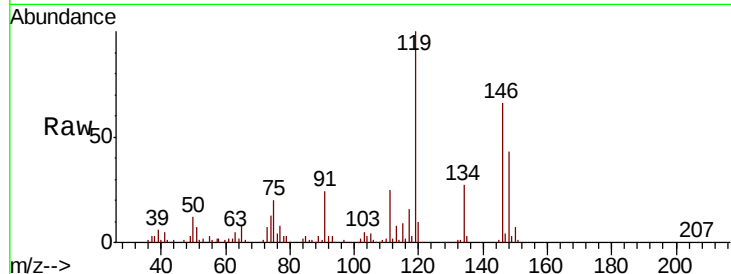




#87
 1,3-Dichlorobenzene
 Concen: 20.603 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

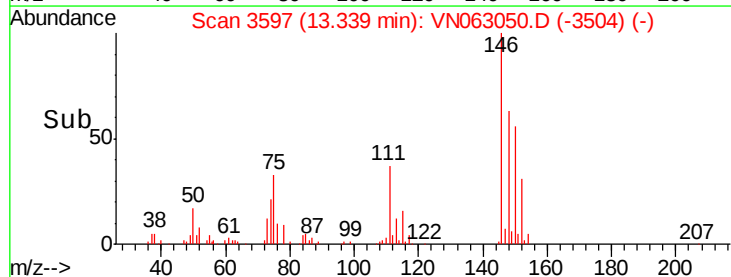
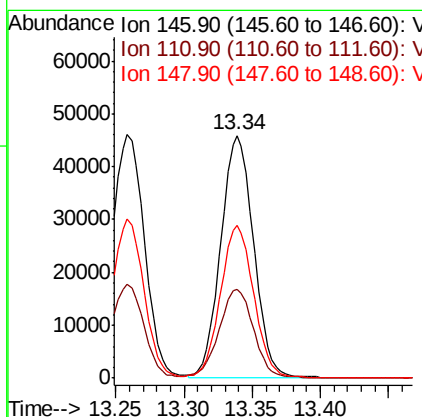
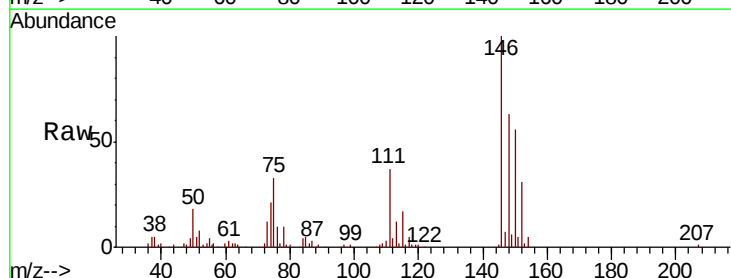
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

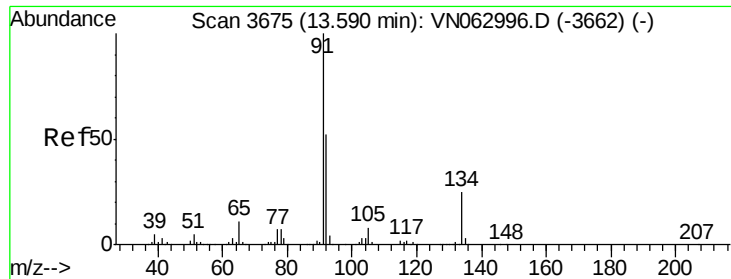
Tot Ion:146 Resp: 77904
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.4 58.1
 148 63.1 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.077 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion:146 Resp: 77050
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.8 56.4
 148 63.6 32.4 97.0

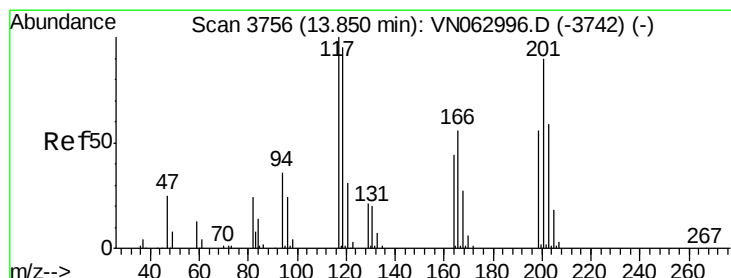
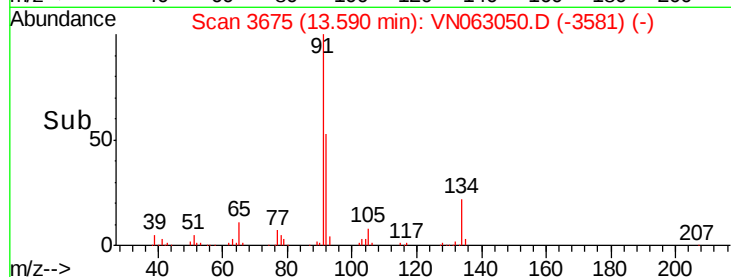
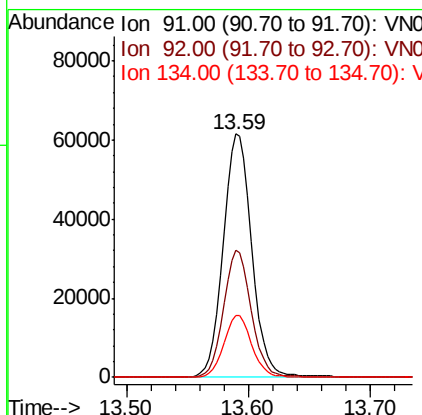
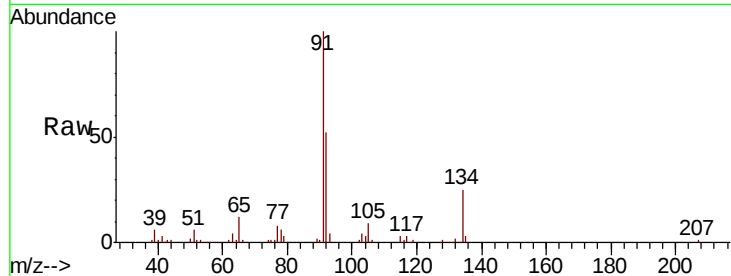




#89
n-Butylbenzene
Concen: 17.830 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

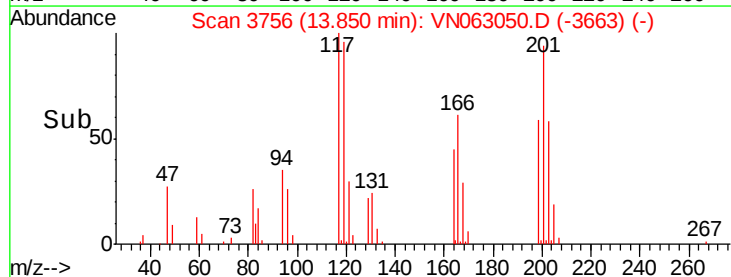
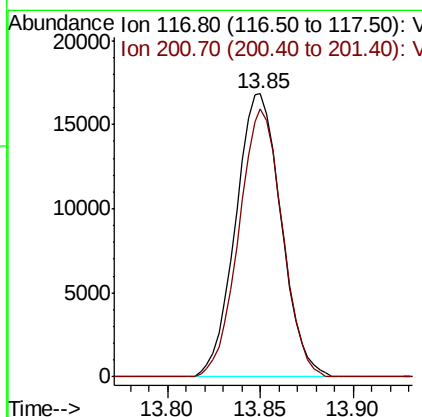
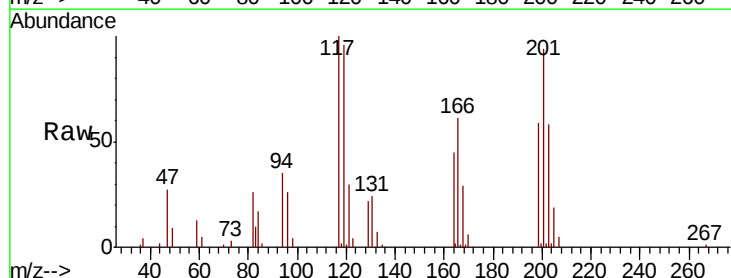
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

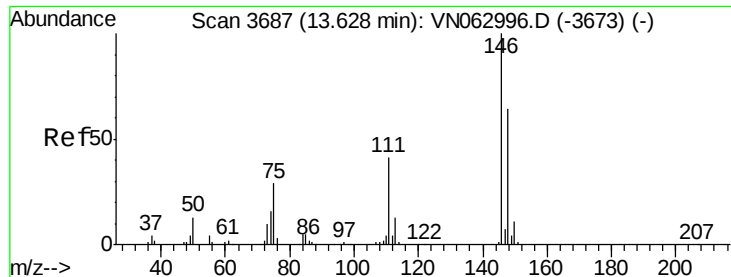
Tot Ion: 91 Resp: 101559
Ion Ratio Lower Upper
91 100
92 50.5 25.9 77.6
134 24.7 12.4 37.0



#90
Hexachloroethane
Concen: 20.133 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 117 Resp: 28762
Ion Ratio Lower Upper
117 100
201 90.2 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 20.649 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

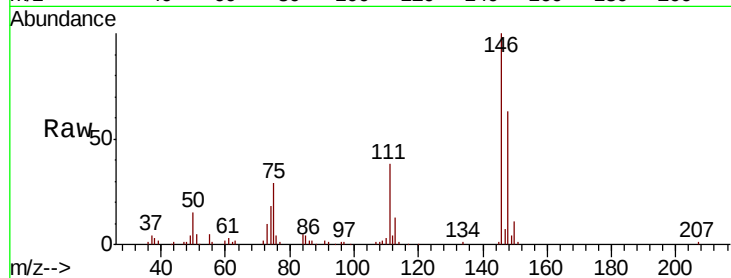
Tot Ion:146 Resp: 75418

Ion Ratio Lower Upper

146 100

111 40.2 20.2 60.5

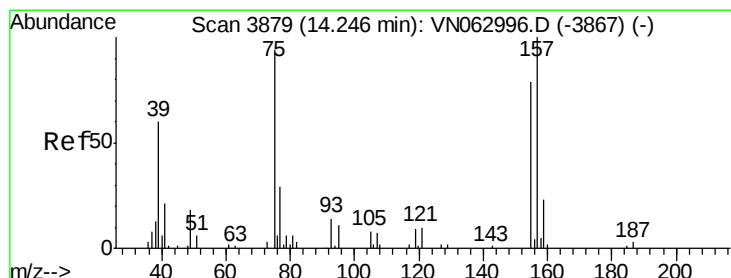
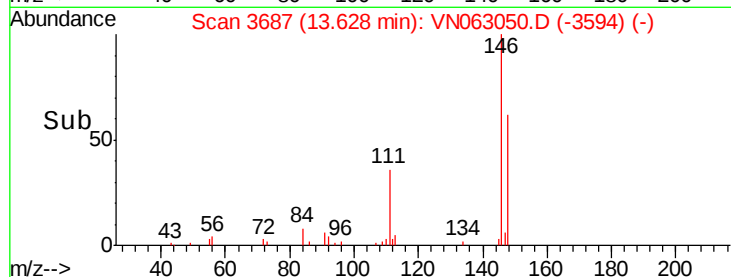
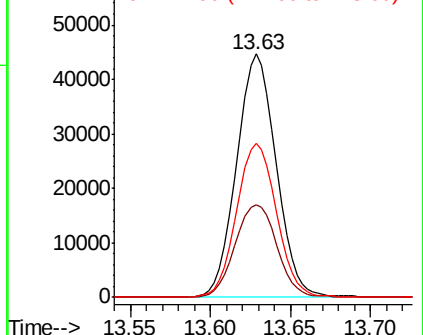
148 63.9 31.9 95.5



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: 21.304 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

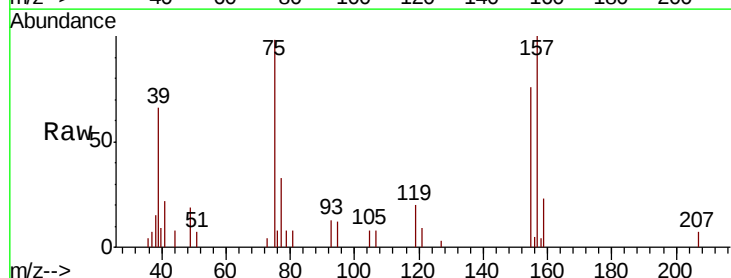
Tgt Ion: 75 Resp: 8583

Ion Ratio Lower Upper

75 100

155 83.4 42.4 127.1

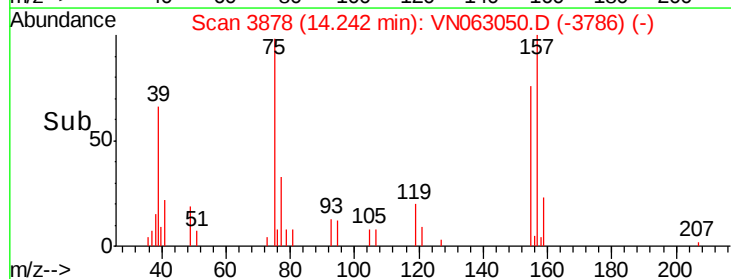
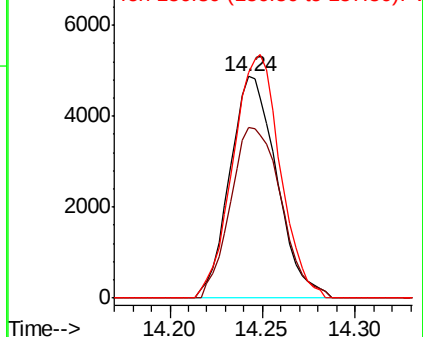
157 110.6 55.2 165.6

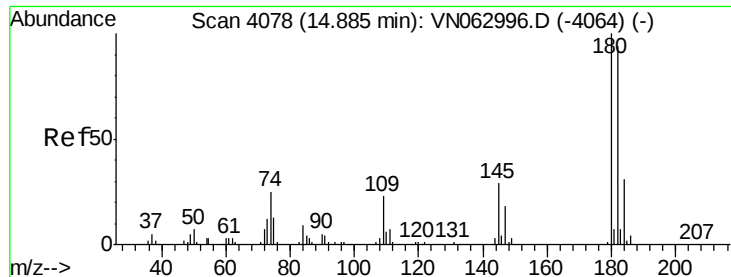


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

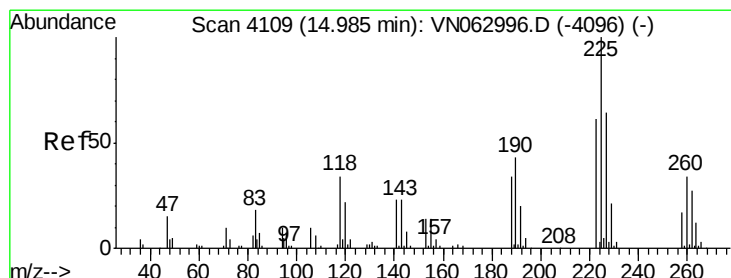
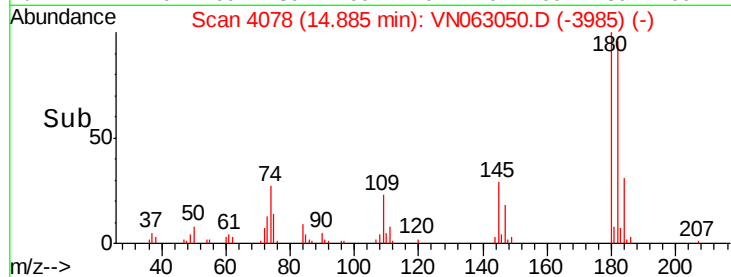
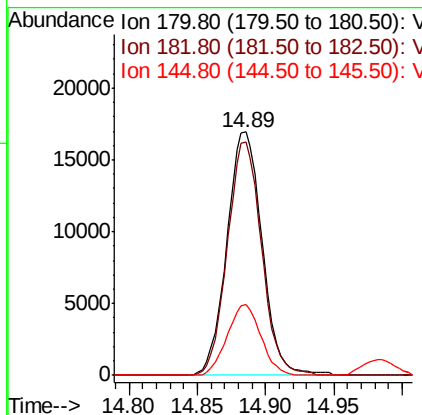
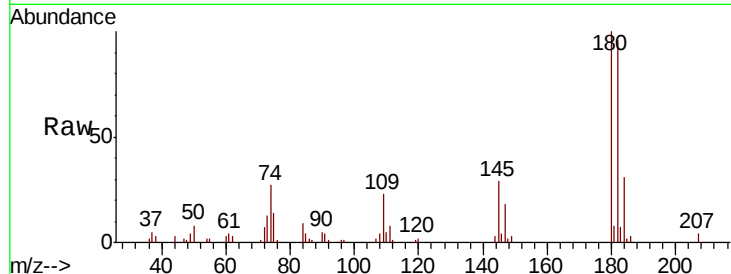




#93
 1,2,4-Trichlorobenzene
 Concen: 18.216 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

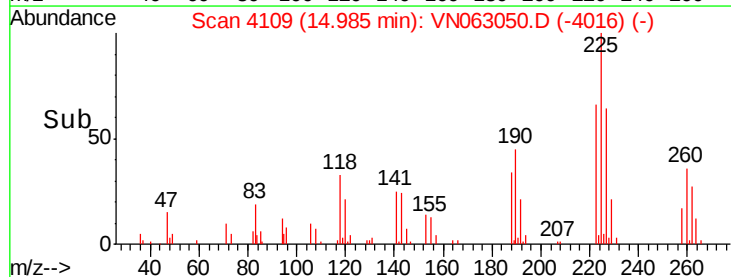
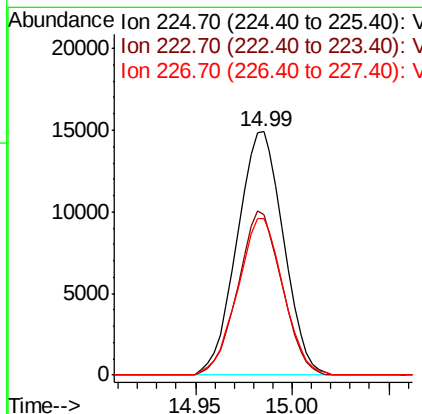
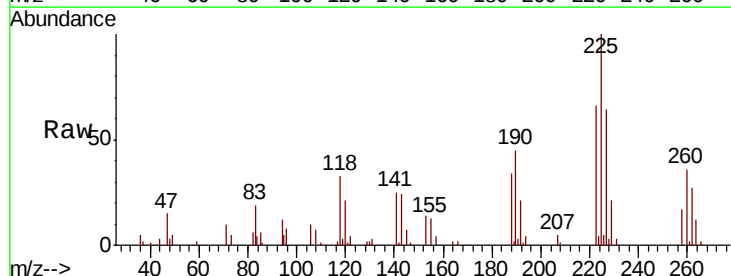
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

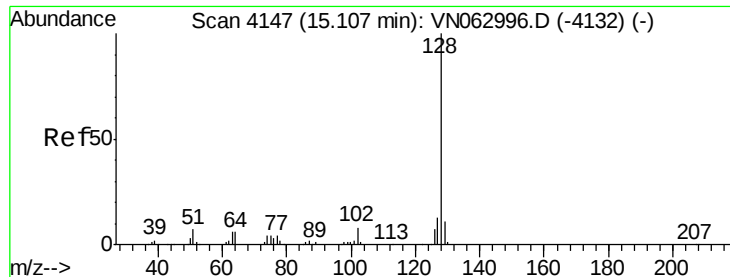
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.0	141.2
145	27.6	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 18.448 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.9	92.5
227	63.4	31.9	95.9

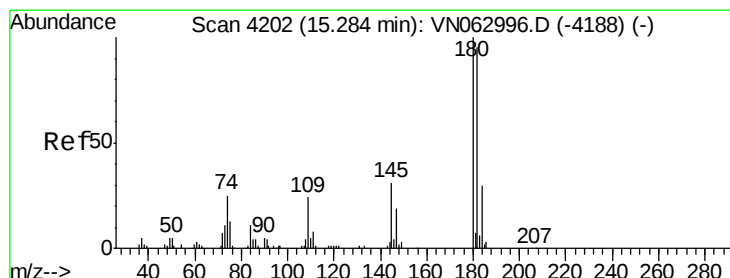
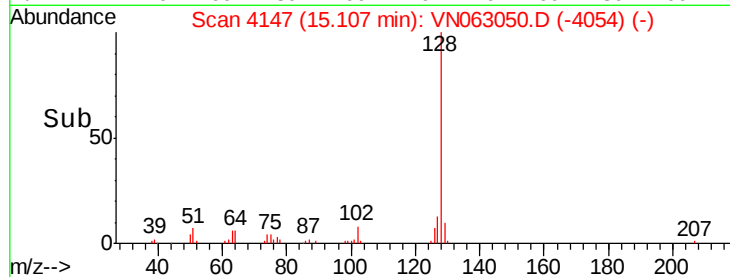
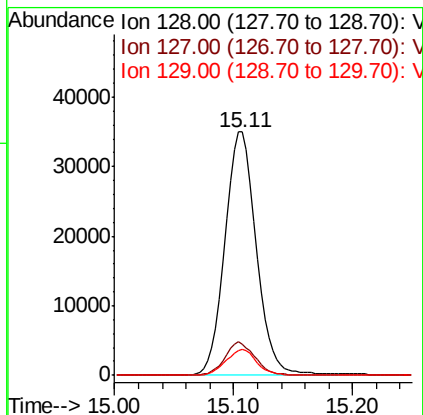
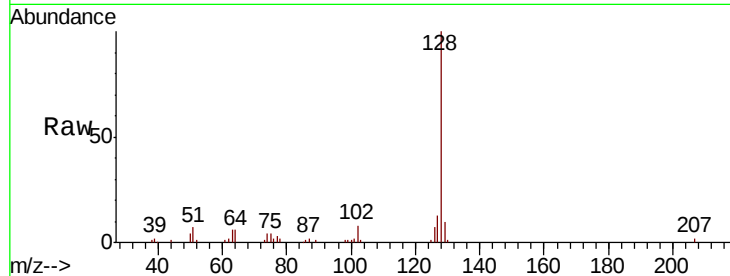




#95
Naphthalene
Concen: 17.847 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion:128 Resp: 64119
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 17.748 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:180 Resp: 29710
Ion Ratio Lower Upper
180 100
182 98.0 47.3 141.9
145 31.1 15.6 46.7

