

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062313.D
 Acq On : 2 Jul 2020 1:32
 Operator : JC/MD
 Sample : VN0701WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

Quant Time: Jul 02 06:58:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	194924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	369744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	344446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149500	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	157611	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	
35) Dibromofluoromethane	7.55	113	121153	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.06	98	475448	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.38	95	153134	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	39014	17.707	ug/l	97
3) Chloromethane	2.03	50	56923	21.174	ug/l	98
4) Vinyl Chloride	2.16	62	64512	18.593	ug/l	98
5) Bromomethane	2.53	94	44454	19.824	ug/l	95
6) Chloroethane	2.67	64	44837	18.917	ug/l	98
7) Trichlorofluoromethane	2.98	101	78235	18.299	ug/l	97
8) Diethyl Ether	3.37	74	31730	21.254	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	45443	20.297	ug/l	94
10) Methyl Iodide	3.91	142	48345	19.173	ug/l	99
11) Tert butyl alcohol	4.73	59	46036	117.215	ug/l #	93
12) 1,1-Dichloroethene	3.70	96	44234	19.763	ug/l	93
13) Acrolein	3.57	56	35318	91.849	ug/l	94
14) Allyl chloride	4.27	41	66871	21.945	ug/l	99
15) Acrylonitrile	4.93	53	126245	117.958	ug/l	99
16) Acetone	3.77	43	100198	114.502	ug/l	98
17) Carbon Disulfide	4.01	76	124181	19.401	ug/l	99
18) Methyl Acetate	4.28	43	57295	26.349	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	156066	21.821	ug/l	98
20) Methylene Chloride	4.50	84	58240	23.076	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	48694	19.098	ug/l	92
22) Diisopropyl ether	5.90	45	159615	23.005	ug/l	93
23) Vinyl Acetate	5.84	43	629149	111.063	ug/l	97
24) 1,1-Dichloroethane	5.80	63	97082	21.729	ug/l	97
25) 2-Butanone	6.79	43	154684	115.691	ug/l	95
26) 2,2-Dichloropropane	6.77	77	62969	16.913	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	58184	20.279	ug/l	99
28) Bromochloromethane	7.15	49	41131	21.218	ug/l	91
29) Tetrahydrofuran	7.17	42	103694	118.395	ug/l	95
30) Chloroform	7.33	83	96042	21.128	ug/l	95
31) Cyclohexane	7.61	56	77256	20.442	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	76838	20.044	ug/l	96
36) 1,1-Dichloropropene	7.75	75	70395	18.941	ug/l	96
37) Ethyl Acetate	6.88	43	65670	21.339	ug/l	97
38) Carbon Tetrachloride	7.73	117	63133	18.018	ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Jul 02 06:58:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	69298	17.018	ug/l	94
40) Benzene	8.00	78	220607	19.475	ug/l	99
41) Methacrylonitrile	7.17	41	95518	66.949	ug/l #	14
42) 1,2-Dichloroethane	8.09	62	77384	20.219	ug/l	99
43) Isopropyl Acetate	8.13	43	104367	20.804	ug/l	98
44) Trichloroethene	8.80	130	50029	17.508	ug/l	95
45) 1,2-Dichloropropane	9.09	63	57601	20.612	ug/l	99
46) Dibromomethane	9.18	93	37358	19.717	ug/l	95
47) Bromodichloromethane	9.37	83	76055	19.880	ug/l	99
48) Methyl methacrylate	9.17	41	47414	21.079	ug/l	95
49) 1,4-Dioxane	9.17	88	18951	379.913	ug/l	90
51) 4-Methyl-2-Pentanone	9.95	43	326163	111.278	ug/l	99
52) Toluene	10.12	92	134128	19.406	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	78868	18.738	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	86711	19.350	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	54018	19.882	ug/l	98
56) Ethyl methacrylate	10.40	69	73121	20.167	ug/l	96
57) 1,3-Dichloropropane	10.68	76	95685	20.461	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	134870	97.843	ug/l	96
59) 2-Hexanone	10.72	43	230421	108.868	ug/l	98
60) Dibromochloromethane	10.87	129	54110	18.812	ug/l	98
61) 1,2-Dibromoethane	10.98	107	52637	18.855	ug/l	98
64) Tetrachloroethene	10.60	164	39274	16.692	ug/l	98
65) Chlorobenzene	11.41	112	139612	18.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	50004	19.118	ug/l	98
67) Ethyl Benzene	11.48	91	241381	18.895	ug/l	98
68) m/p-Xylenes	11.60	106	182508	36.937	ug/l	98
69) o-Xylene	11.92	106	86212	18.493	ug/l	97
70) Styrene	11.94	104	146493	18.842	ug/l	99
71) Bromoform	12.10	173	32594	17.527	ug/l #	98
73) Isopropylbenzene	12.22	105	227931	19.696	ug/l	99
74) N-amyl acetate	12.05	43	81949	21.294	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	81504	21.164	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	98294	27.930	ug/l #	100
77) Bromobenzene	12.50	156	53539	18.635	ug/l	90
78) n-propylbenzene	12.57	91	261464	19.752	ug/l	99
79) 2-Chlorotoluene	12.65	91	160118	20.008	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	188406	20.083	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	21821	18.107	ug/l	96
82) 4-Chlorotoluene	12.75	91	163917	19.808	ug/l	97
83) tert-Butylbenzene	12.97	119	149246	18.589	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	181666	19.389	ug/l	98
85) sec-Butylbenzene	13.15	105	206605	19.475	ug/l	99
86) p-Isopropyltoluene	13.26	119	175825	18.917	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	93533	18.539	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	93980	18.071	ug/l	98
89) n-Butylbenzene	13.59	91	136806	17.704	ug/l	98
90) Hexachloroethane	13.85	117	34535	18.938	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	94699	19.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	13022	21.108	ug/l	93

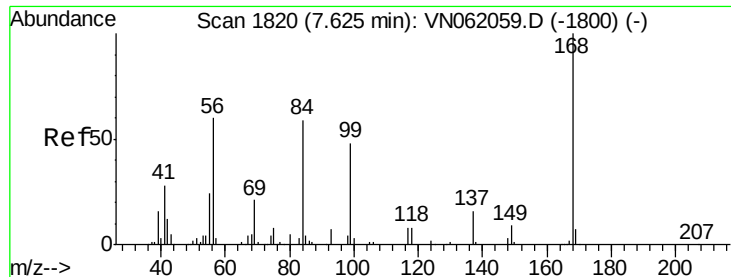
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
Data File : VN062313.D
Acq On : 2 Jul 2020 1:32
Operator : JC/MD
Sample : VN0701WBSD02
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Jul 02 06:58:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	36530	17.092	ug/l	97
94) Hexachlorobutadiene	14.98	225	17742	19.113	ug/l	95
95) Naphthalene	15.11	128	105981	17.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	38680	17.700	ug/l	99

(#) = 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: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

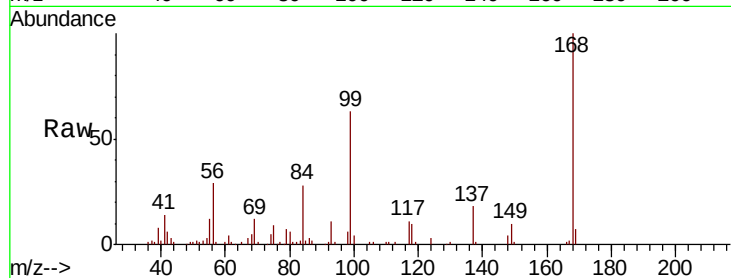
VN0701WBSD02

Tot Ion:168 Resp: 194924

Ion Ratio Lower Upper

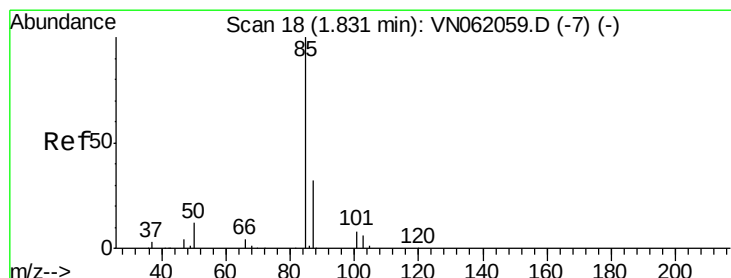
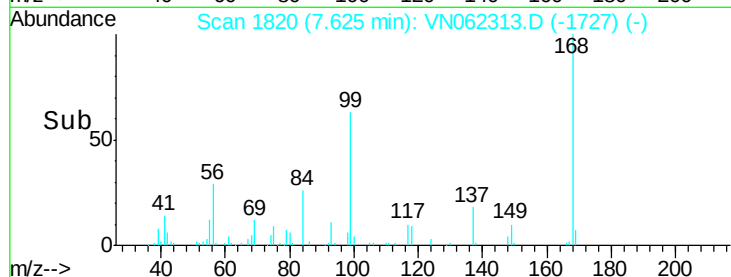
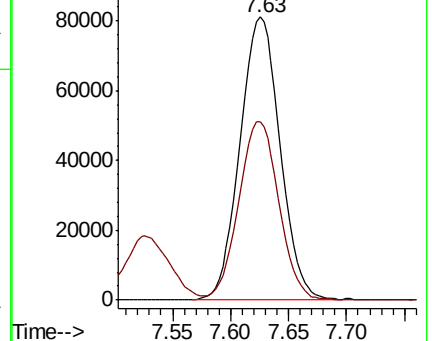
168 100

99 62.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.707 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062313.D

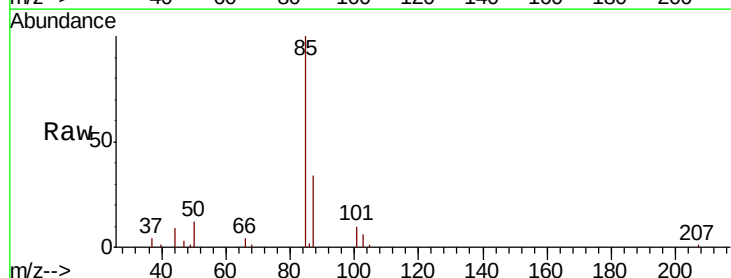
Acq: 2 Jul 2020 1:32

Tgt Ion: 85 Resp: 39014

Ion Ratio Lower Upper

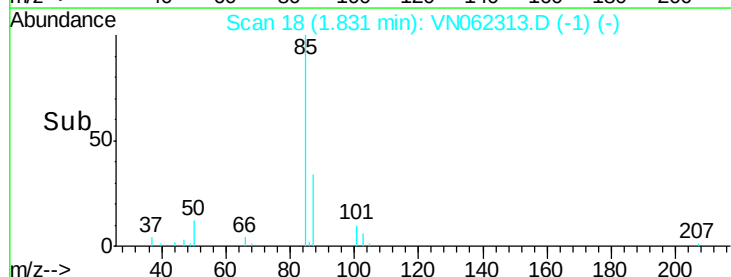
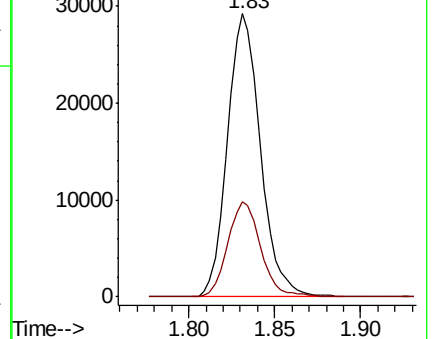
85 100

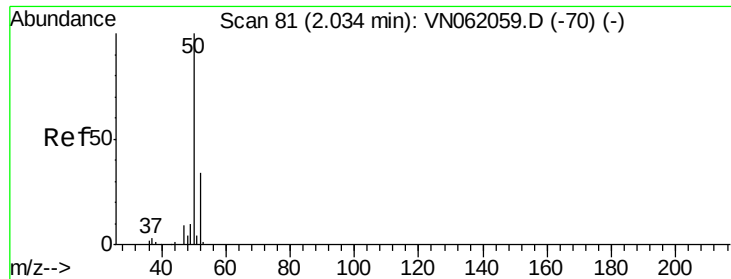
87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

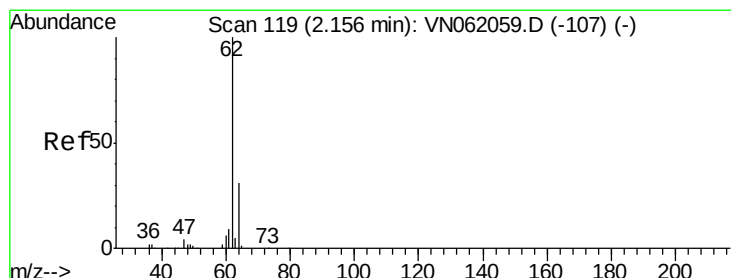
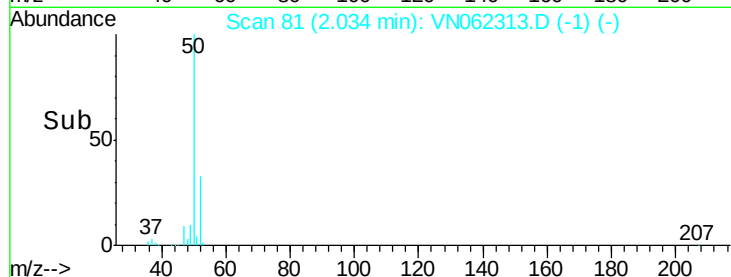
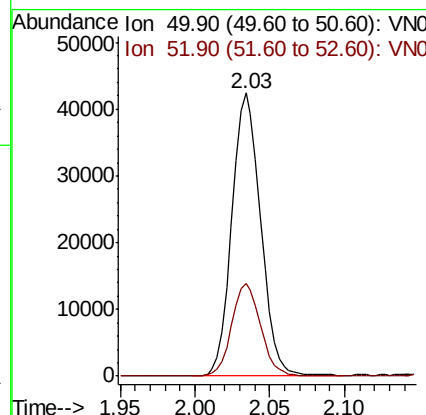
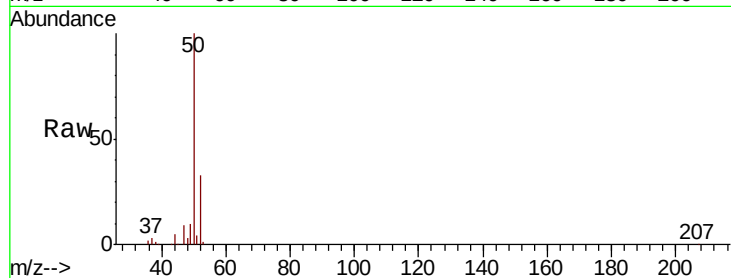




#3
Chloromethane
Concen: 21.174 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

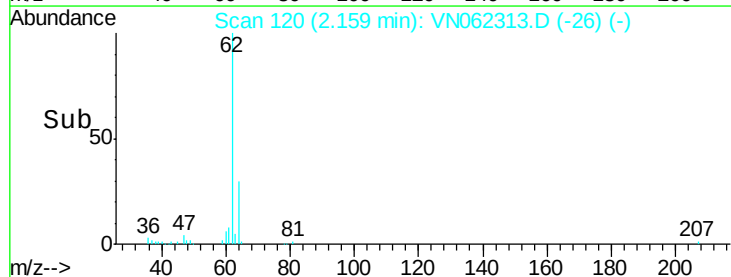
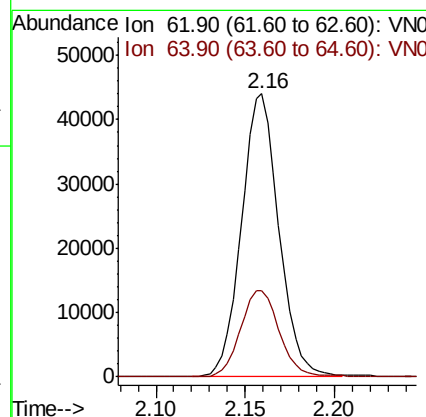
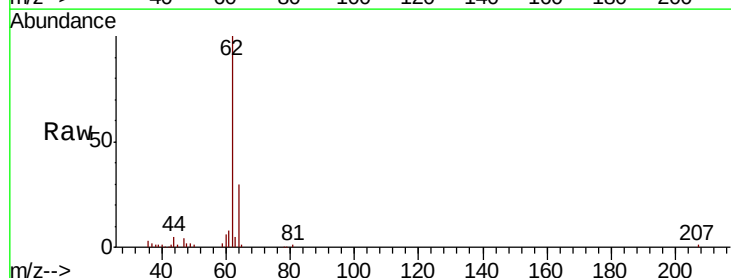
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

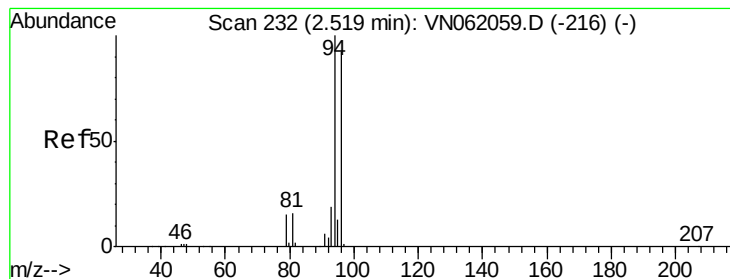
Tot Ion: 50 Resp: 56923
Ion Ratio Lower Upper
50 100
52 32.8 27.0 40.6



#4
Vinyl Chloride
Concen: 18.593 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 62 Resp: 64512
Ion Ratio Lower Upper
62 100
64 30.4 25.1 37.7





#5

Bromomethane

Concen: 19.824 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

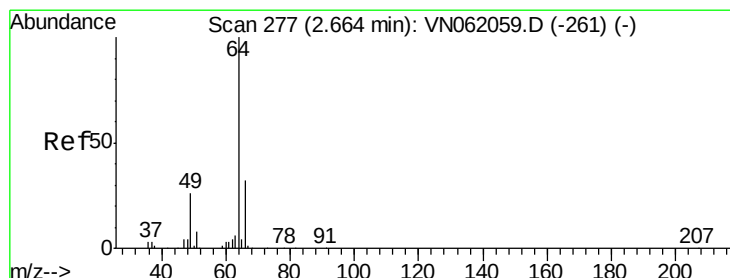
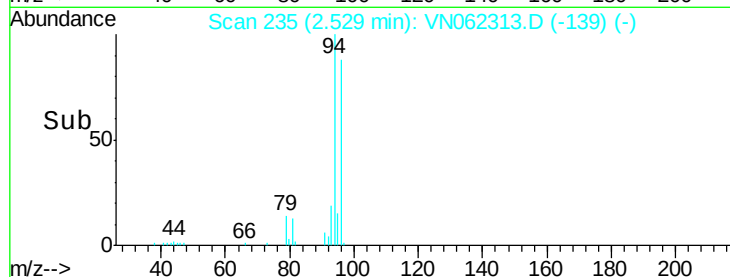
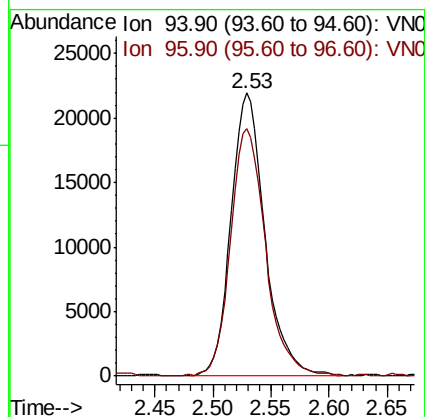
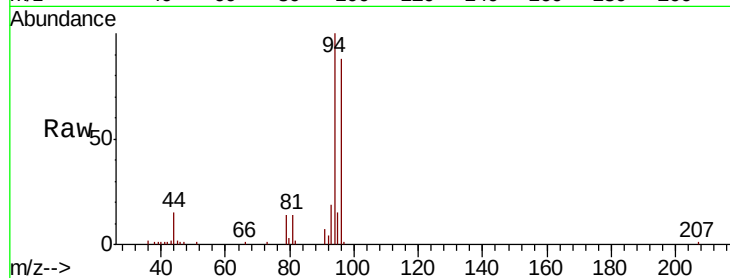
VN0701WBSD02

Tot Ion: 94 Resp: 44454

Ion Ratio Lower Upper

94 100

96 86.9 73.4 110.2



#6

Chloroethane

Concen: 18.917 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062313.D

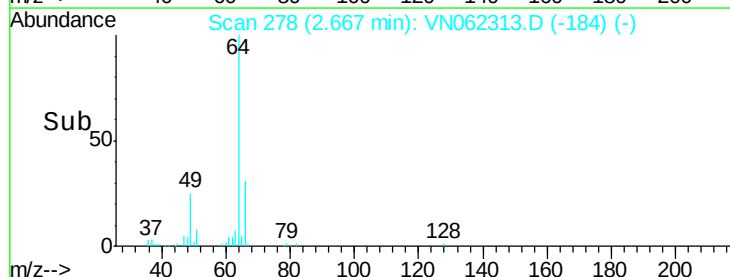
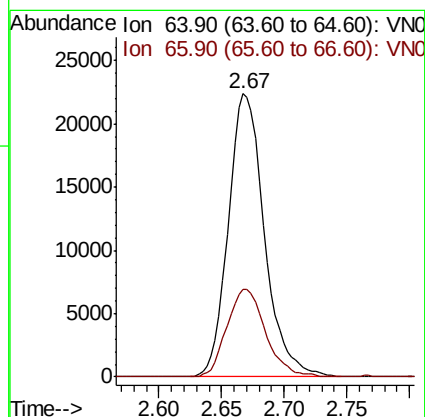
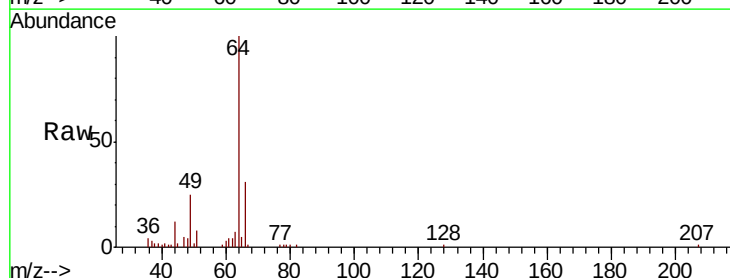
Acq: 2 Jul 2020 1:32

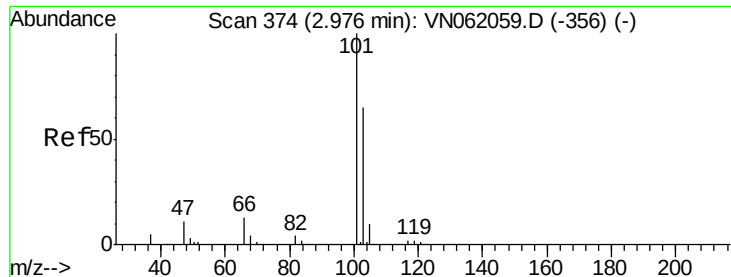
Tgt Ion: 64 Resp: 44837

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.6





#7

Trichlorofluoromethane

Concen: 18.299 ug/l

RT: 2.98 min Scan# 375

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

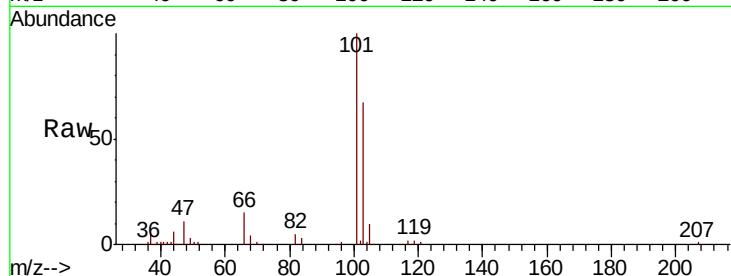
VN0701WBSD02

Tot Ion:101 Resp: 78235

Ion Ratio Lower Upper

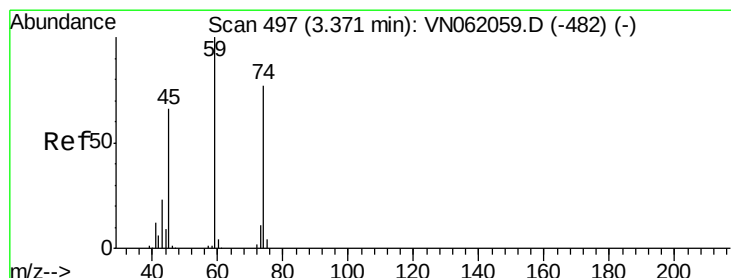
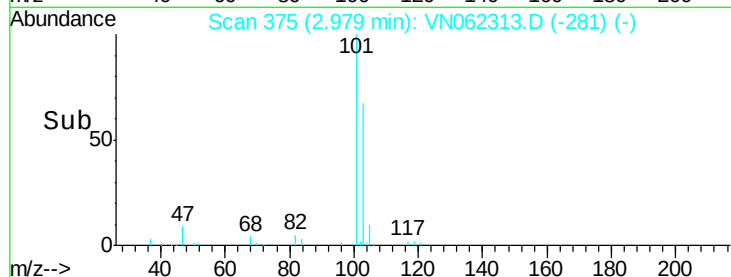
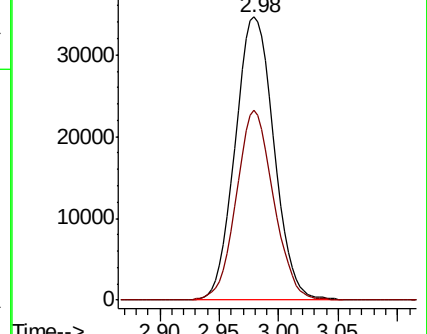
101 100

103 67.1 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.254 ug/l

RT: 3.37 min Scan# 498

Delta R.T. 0.00 min

Lab File: VN062313.D

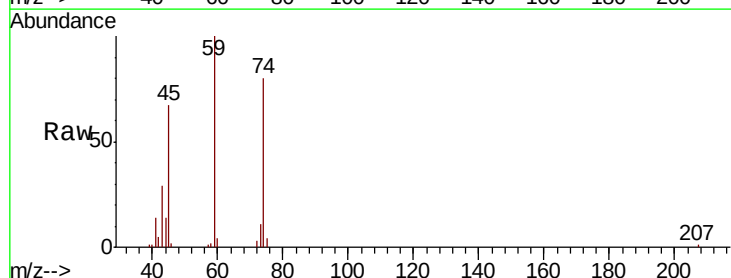
Acq: 2 Jul 2020 1:32

Tgt Ion: 74 Resp: 31730

Ion Ratio Lower Upper

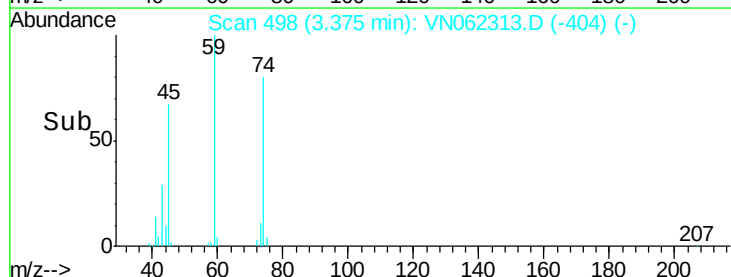
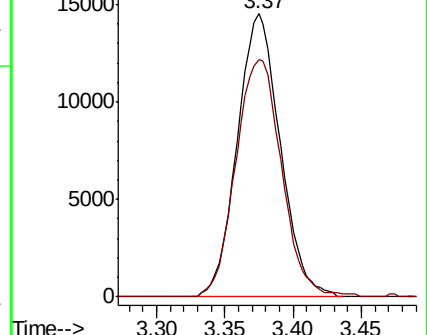
74 100

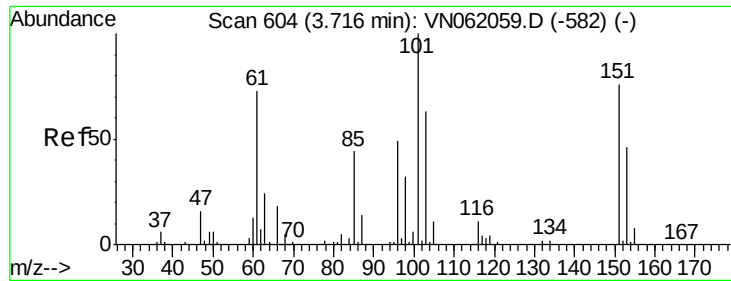
45 89.7 42.5 127.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.297 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

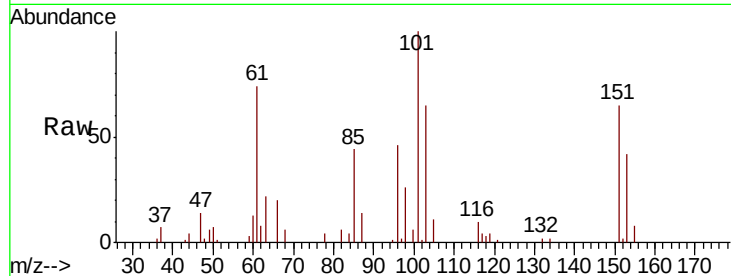
Tot Ion:101 Resp: 45443

Ion Ratio Lower Upper

101 100

85 43.9 34.5 51.7

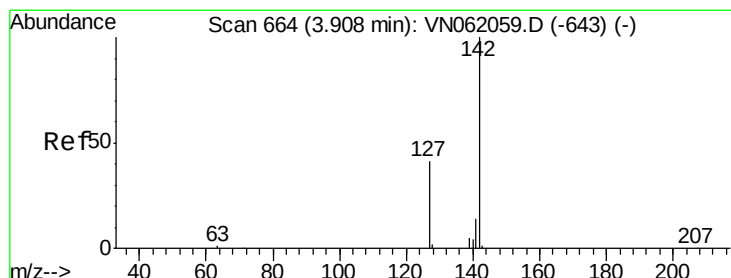
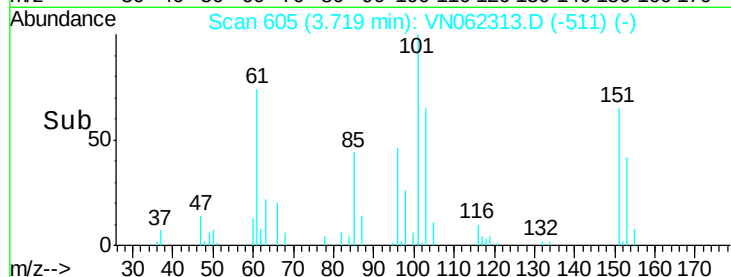
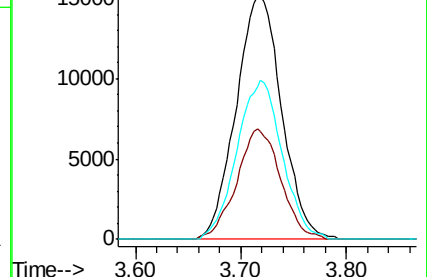
151 64.7 57.8 86.8



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: 19.173 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

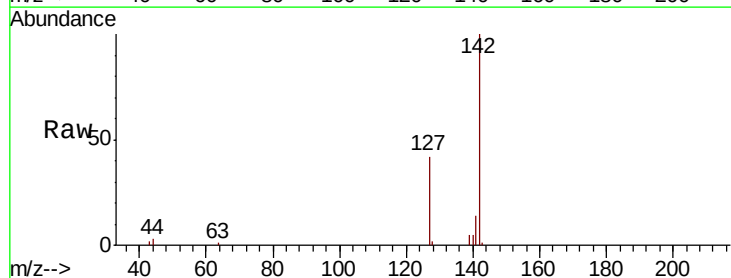
Tgt Ion:142 Resp: 48345

Ion Ratio Lower Upper

142 100

127 42.4 33.6 50.4

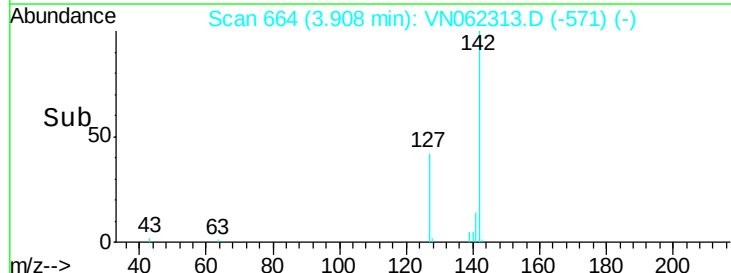
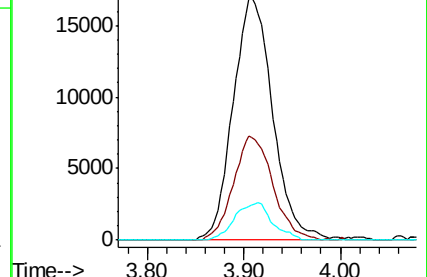
141 14.5 11.3 16.9

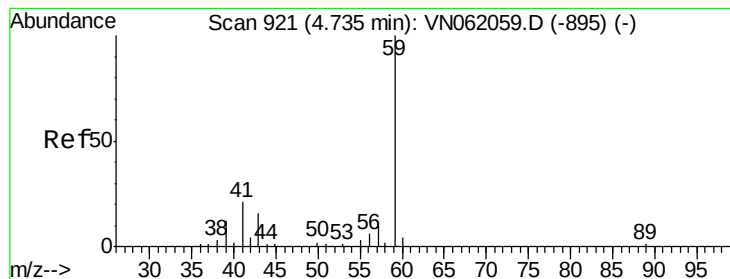


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 117.215 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

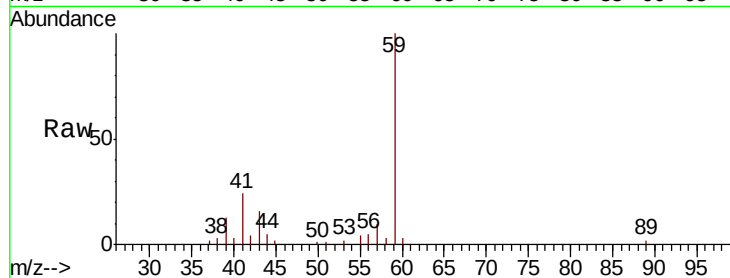
VN0701WBSD02

Tot Ion: 59 Resp: 46036

Ion Ratio Lower Upper

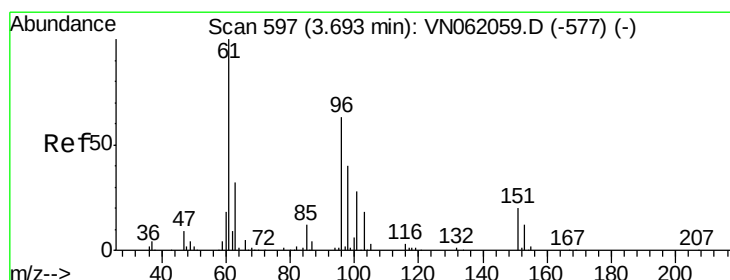
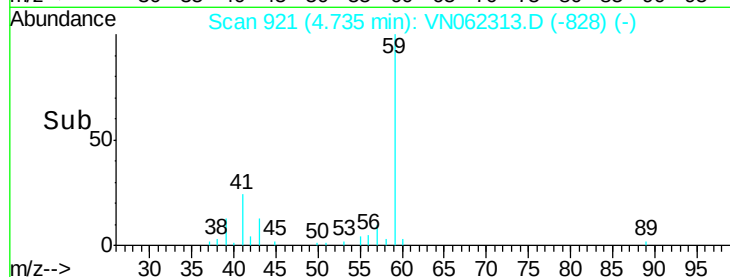
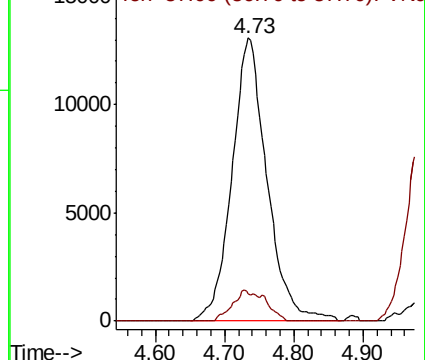
59 100

57 7.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062313.D (-828) (-)

Ion 57.00 (56.70 to 57.70): VN062313.D (-828) (-)



#12

1,1-Dichloroethene

Concen: 19.763 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

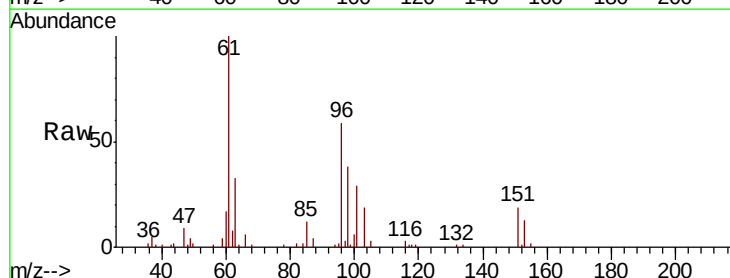
Tgt Ion: 96 Resp: 44234

Ion Ratio Lower Upper

96 100

61 169.9 126.7 190.1

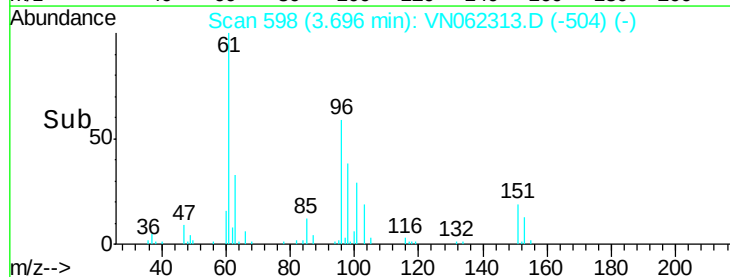
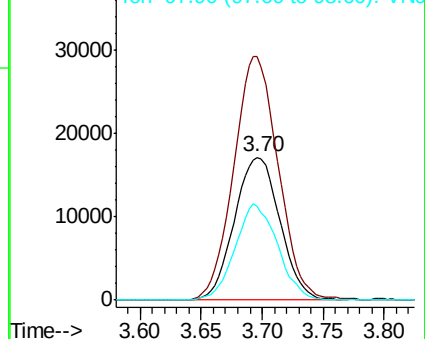
98 65.3 51.0 76.4

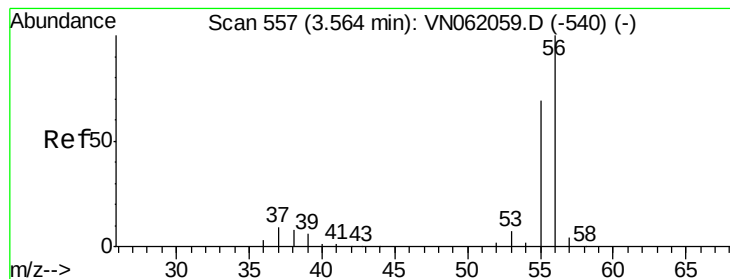


Abundance Ion 95.90 (95.60 to 96.60): VN062313.D (-504) (-)

Ion 60.90 (60.60 to 61.60): VN062313.D (-504) (-)

Ion 97.90 (97.60 to 98.60): VN062313.D (-504) (-)





#13

Acrolein

Concen: 91.849 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

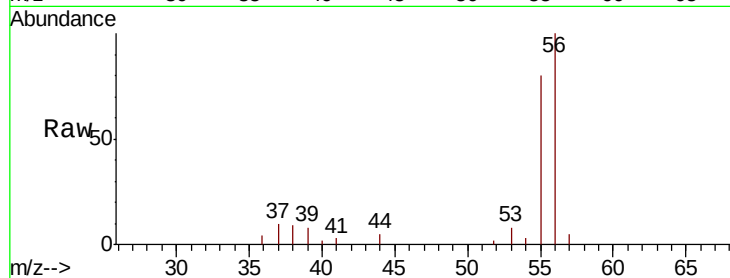
VN0701WBSD02

Tot Ion: 56 Resp: 35318

Ion Ratio Lower Upper

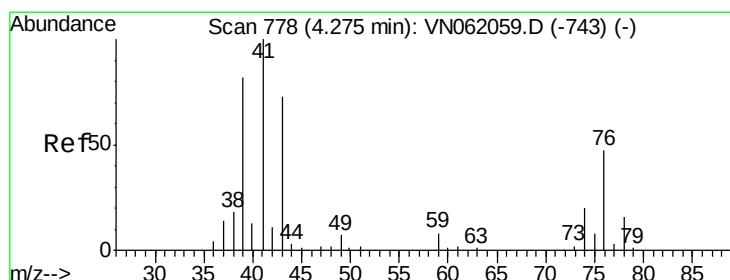
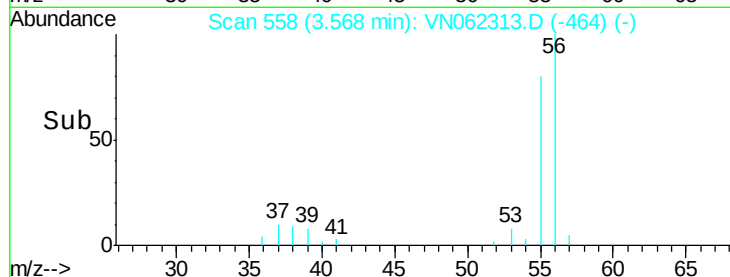
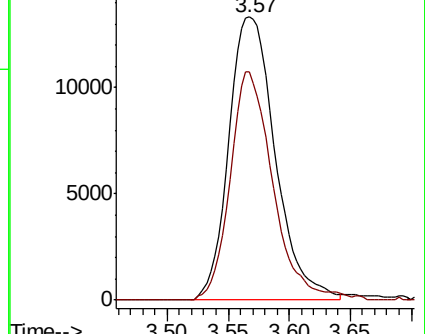
56 100

55 74.3 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.945 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

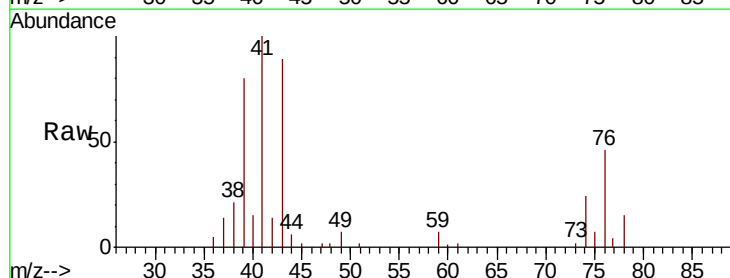
Tgt Ion: 41 Resp: 66871

Ion Ratio Lower Upper

41 100

39 74.9 60.0 90.0

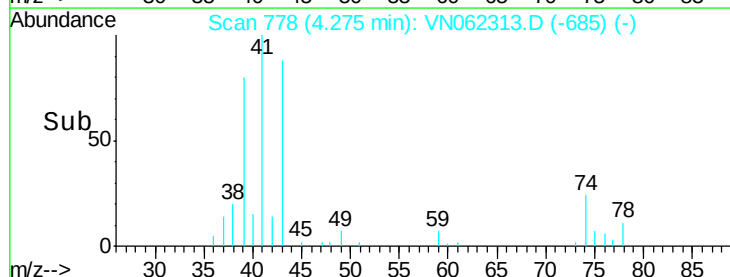
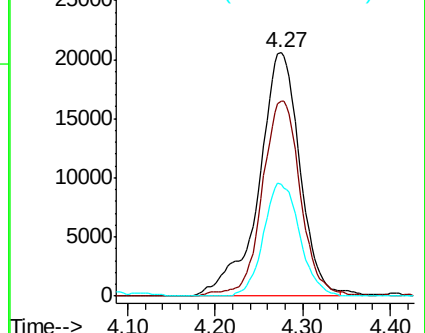
76 40.8 34.1 51.1

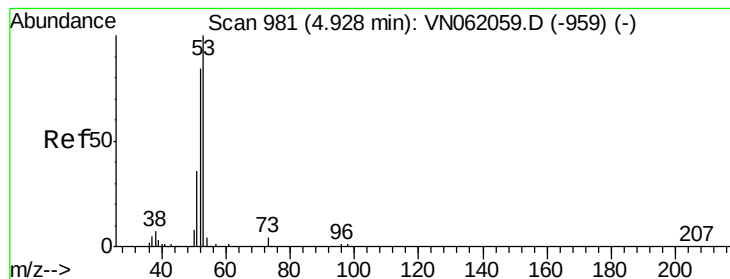


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 117.958 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

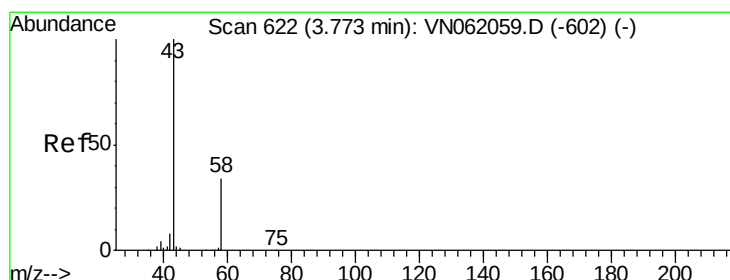
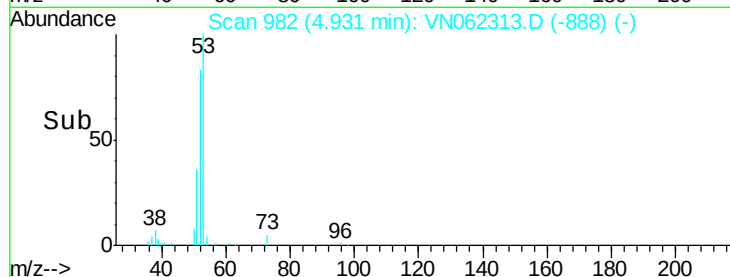
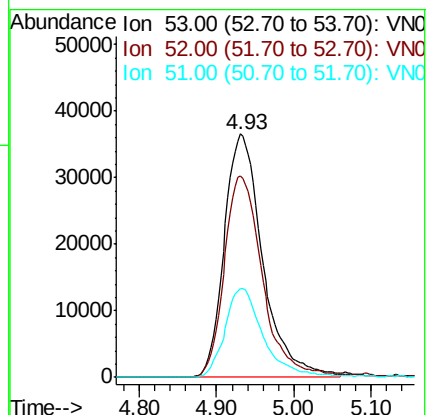
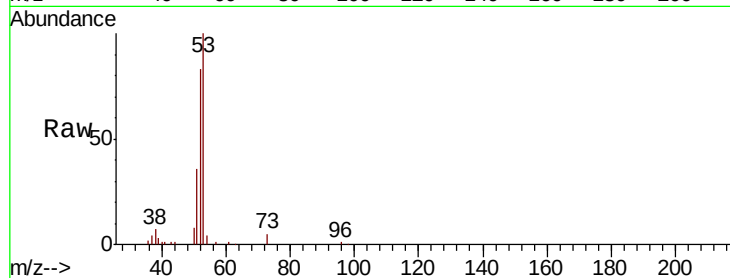
Tot Ion: 53 Resp: 126245

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.4

51 36.1 28.9 43.3



#16

Acetone

Concen: 114.502 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN062313.D

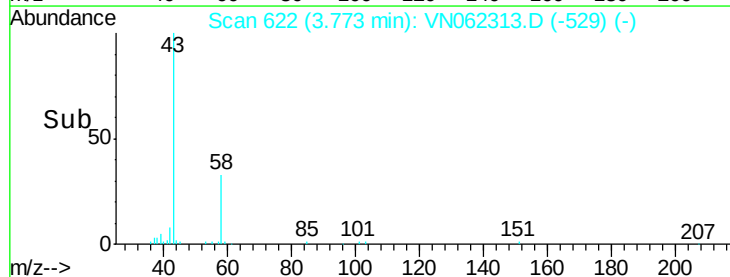
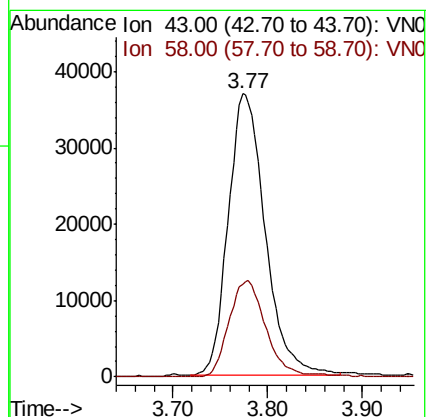
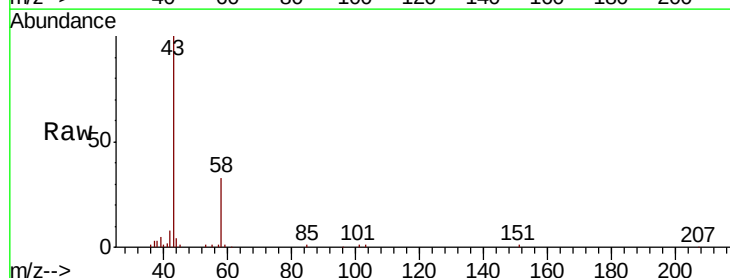
Acq: 2 Jul 2020 1:32

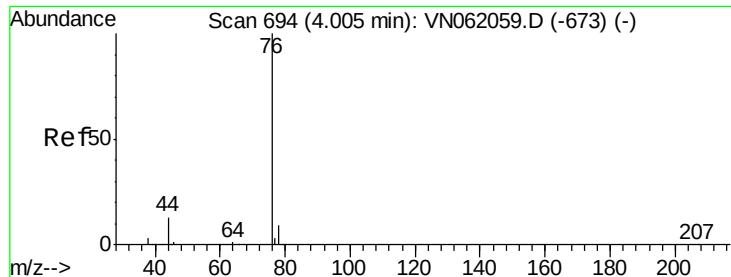
Tgt Ion: 43 Resp: 100198

Ion Ratio Lower Upper

43 100

58 33.1 27.5 41.3

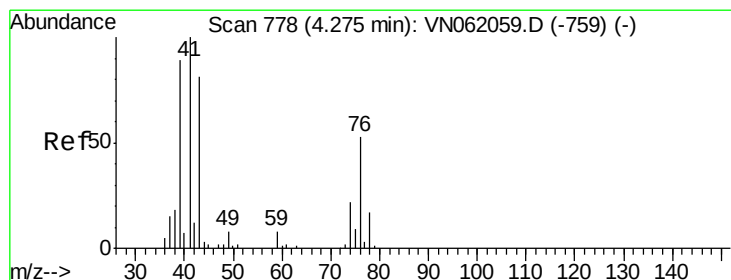
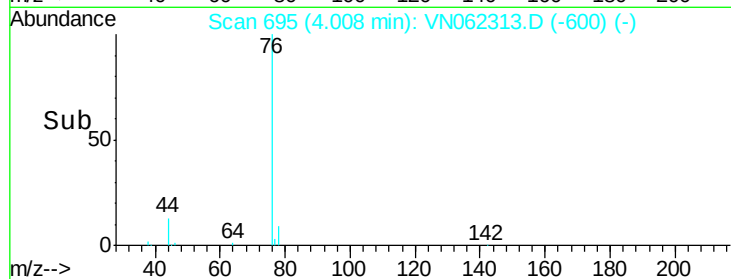
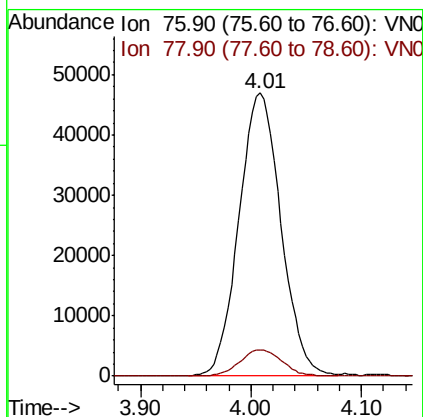
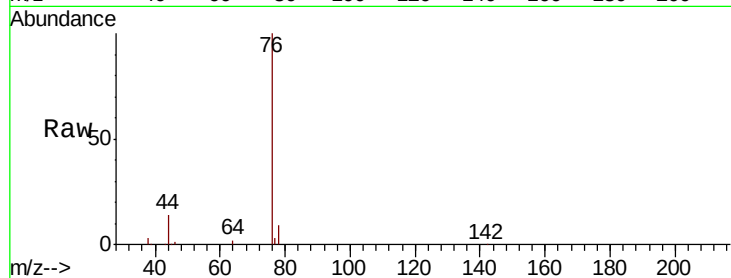




#17
Carbon Disulfide
Concen: 19.401 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

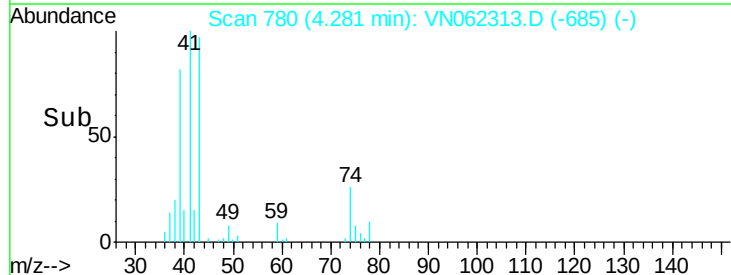
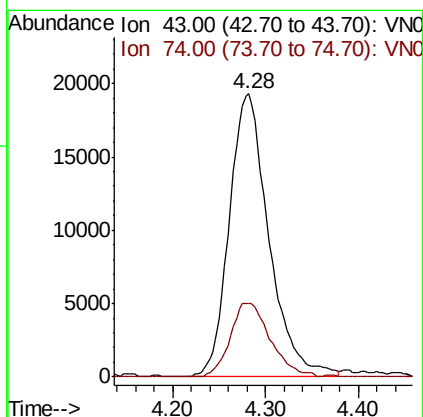
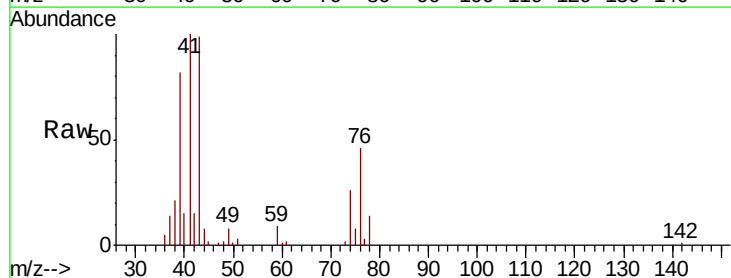
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

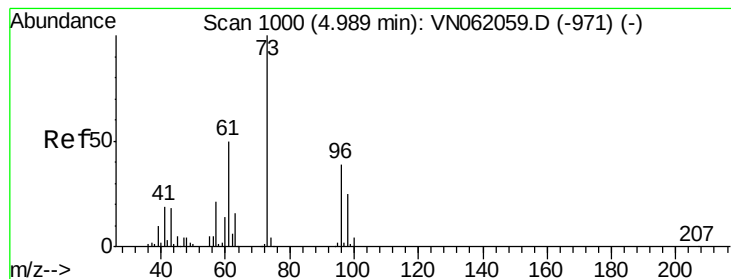
Tot Ion: 76 Resp: 124181
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 26.349 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 43 Resp: 57295
Ion Ratio Lower Upper
43 100
74 26.3 22.9 34.3





#19

Methvl tert-butvl Ether

Concen: 21.821 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

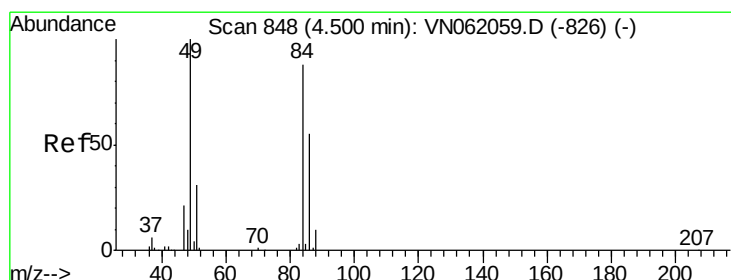
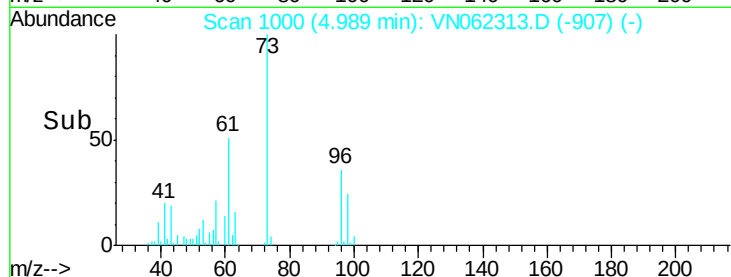
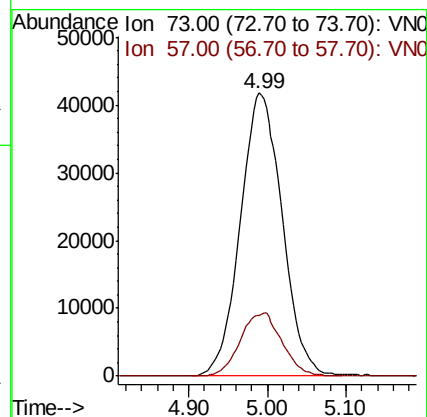
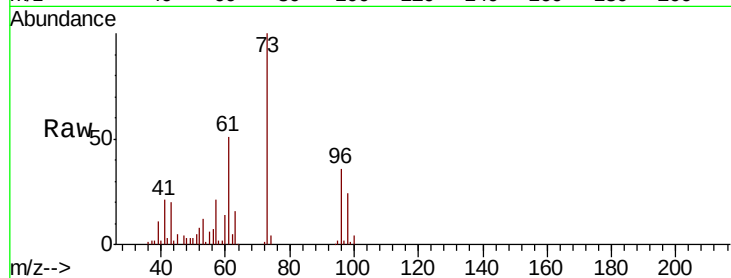
VN0701WBSD02

Tot Ion: 73 Resp: 156066

Ion Ratio Lower Upper

73 100

57 21.4 16.6 24.8



#20

Methylene Chloride

Concen: 23.076 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Tgt Ion: 84 Resp: 58240

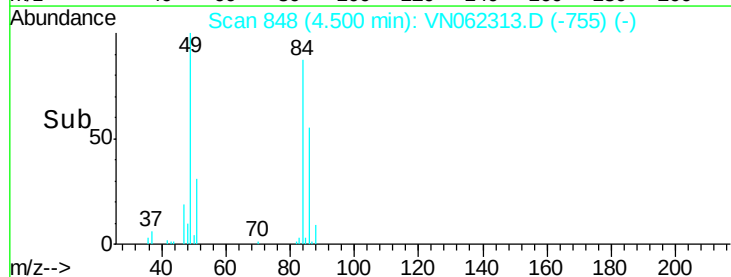
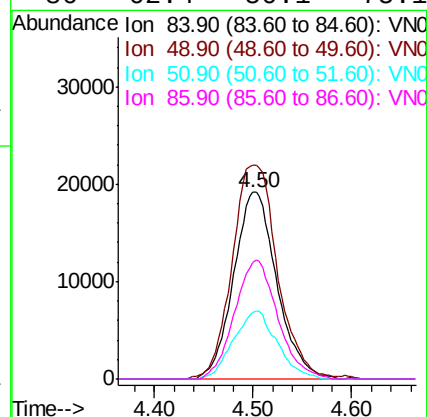
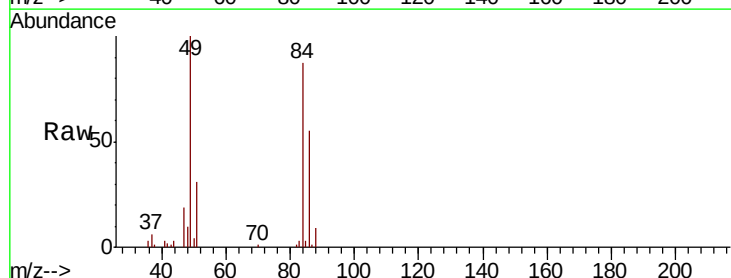
Ion Ratio Lower Upper

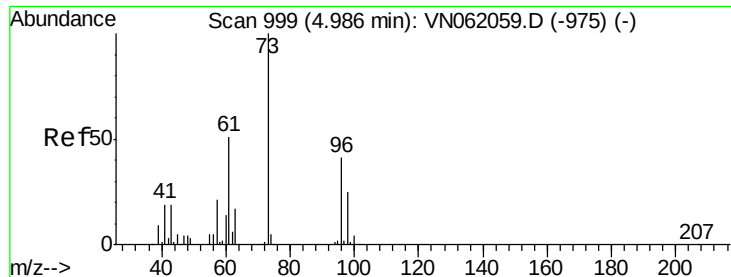
84 100

49 113.1 90.6 136.0

51 35.6 27.8 41.8

86 62.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 19.098 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

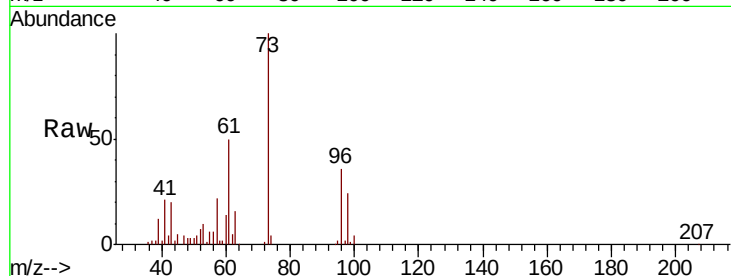
Tot Ion: 96 Resp: 48694

Ion Ratio Lower Upper

96 100

61 138.1 101.4 152.2

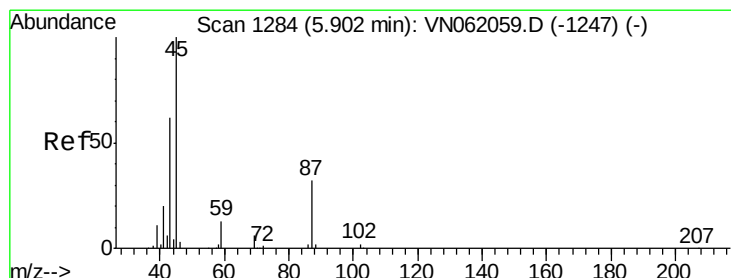
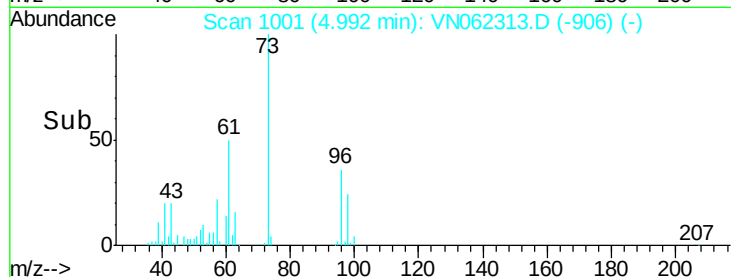
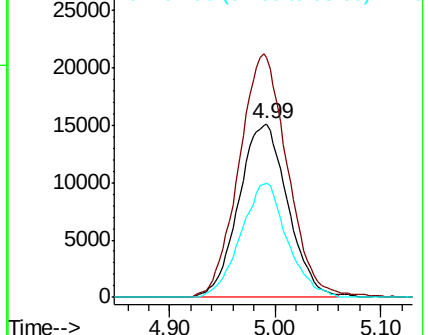
98 65.8 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN062313.D (-1000) (-)

Ion 60.90 (60.60 to 61.60): VN062313.D (-1000) (-)

Ion 97.90 (97.60 to 98.60): VN062313.D (-1000) (-)



#22

Diisopropyl ether

Concen: 23.005 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Tgt Ion: 45 Resp: 159615

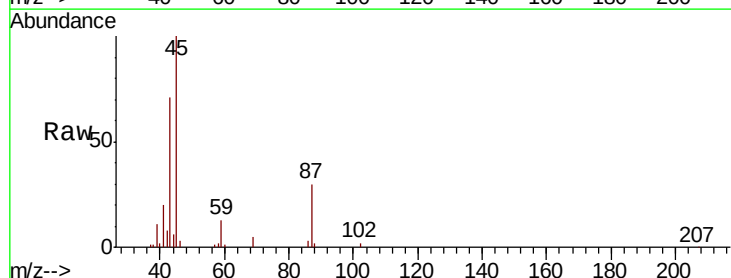
Ion Ratio Lower Upper

45 100

43 68.9 49.7 74.5

87 29.7 25.9 38.9

59 13.3 10.6 16.0

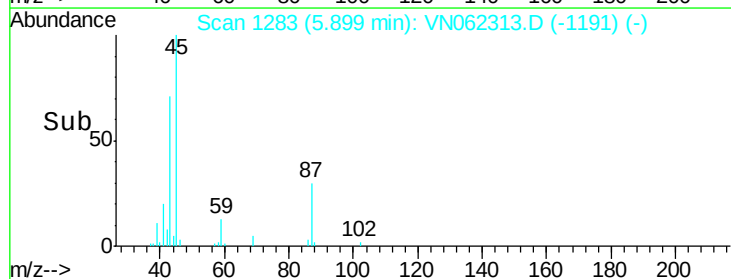
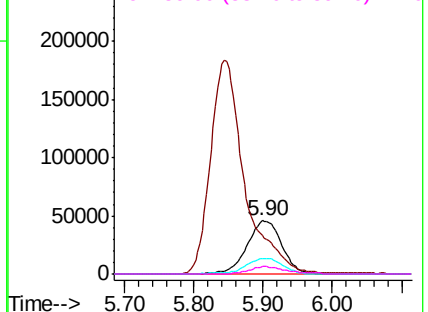


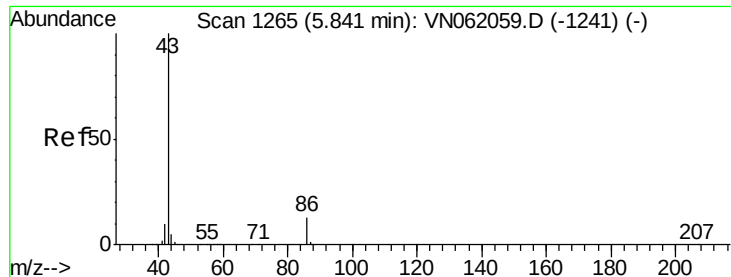
Abundance Ion 45.00 (44.70 to 45.70): VN062313.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062313.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062313.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062313.D (-1191) (-)

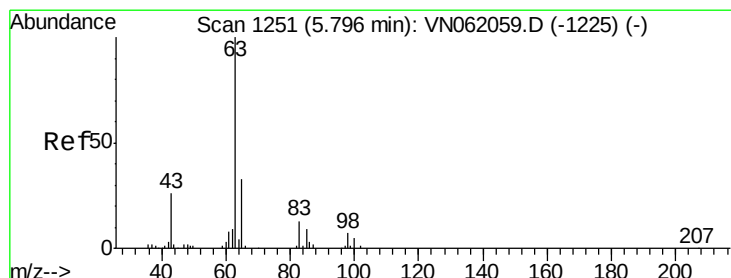
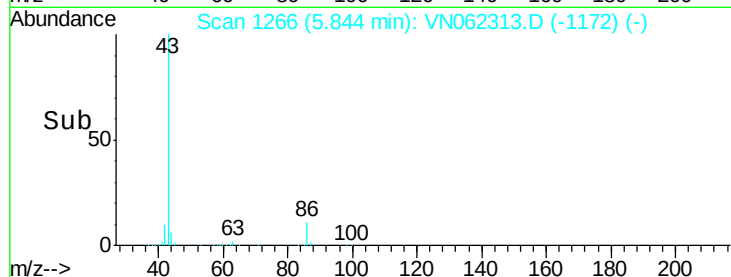
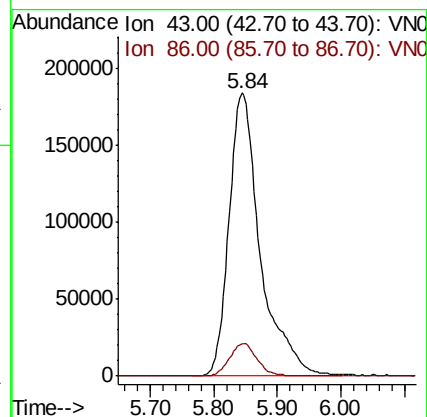
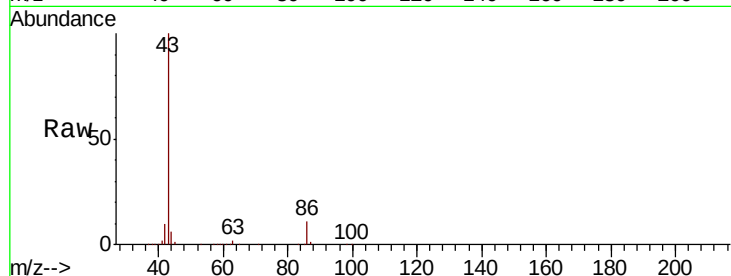




#23
 Vinyl Acetate
 Concen: 111.063 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

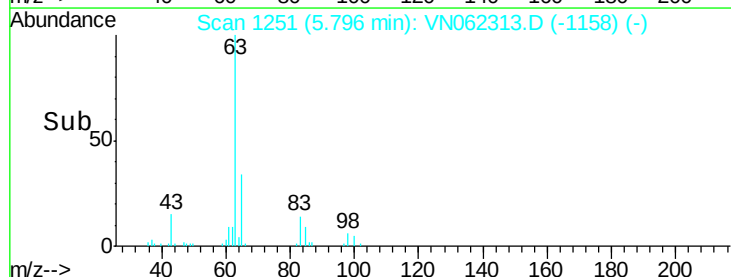
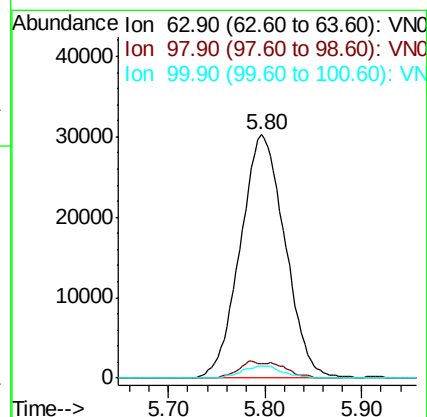
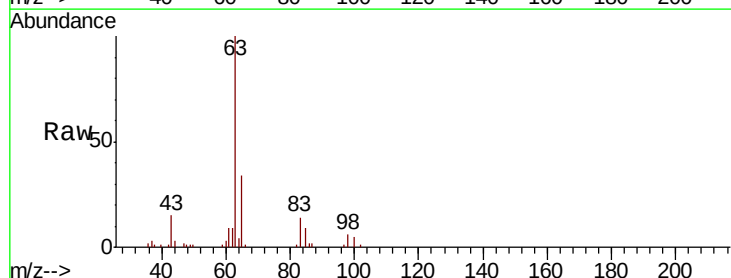
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

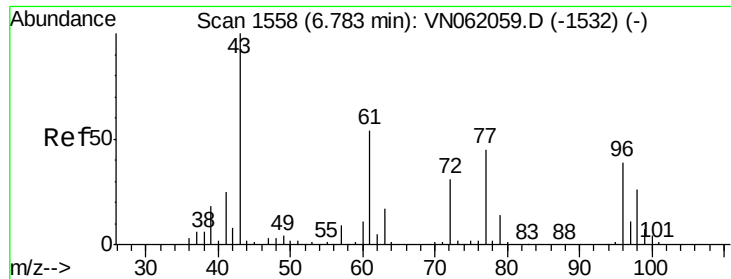
Tot Ion: 43 Resp: 629149
 Ion Ratio Lower Upper
 43 100
 86 11.3 10.1 15.1



#24
 1,1-Dichloroethane
 Concen: 21.729 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion: 63 Resp: 97082
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.6 10.9
 100 4.7 2.4 7.1

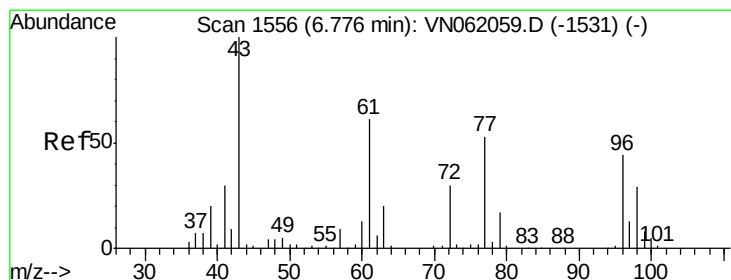
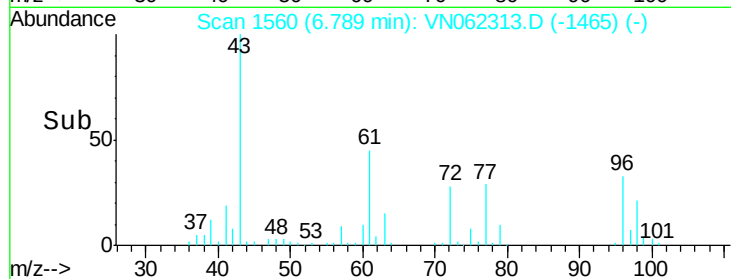
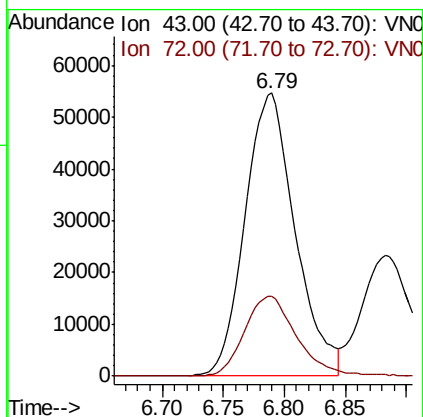
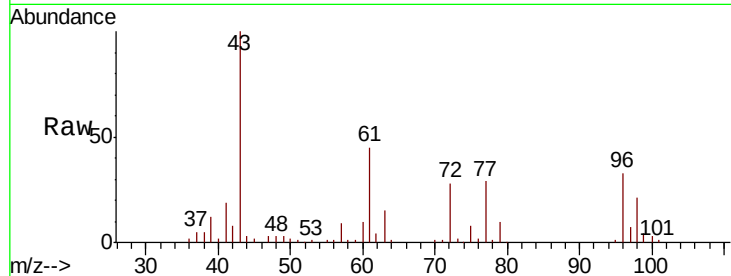




#25
2-Butanone
Concen: 115.691 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

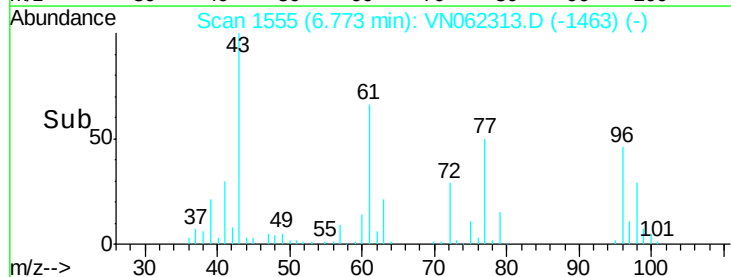
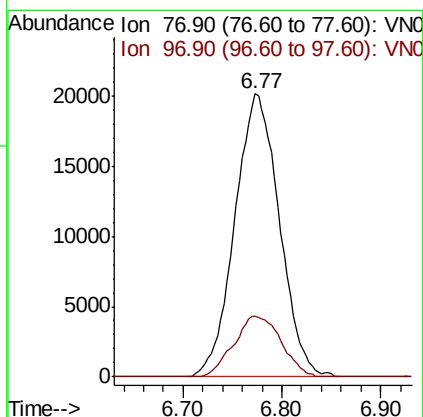
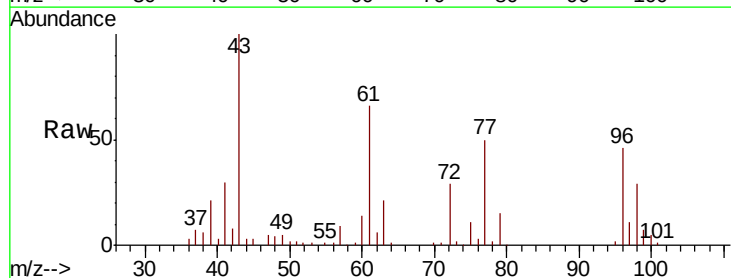
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

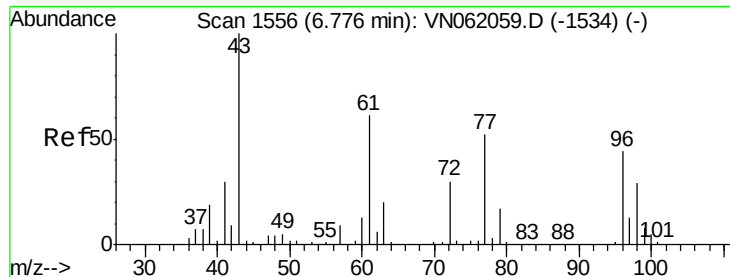
Tot Ion: 43 Resp: 154684
Ion Ratio Lower Upper
43 100
72 28.4 24.8 37.2



#26
2,2-Dichloropropane
Concen: 16.913 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 77 Resp: 62969
Ion Ratio Lower Upper
77 100
97 22.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.279 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

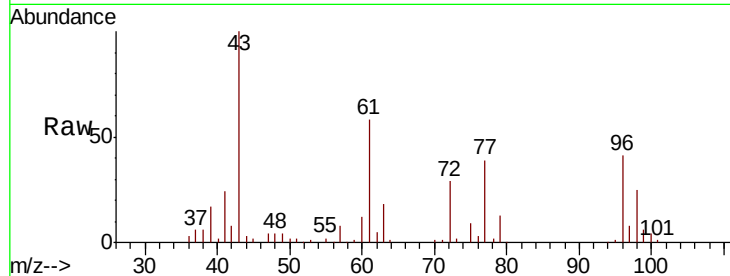
Tot Ion: 96 Resp: 58184

Ion Ratio Lower Upper

96 100

61 141.9 0.0 280.4

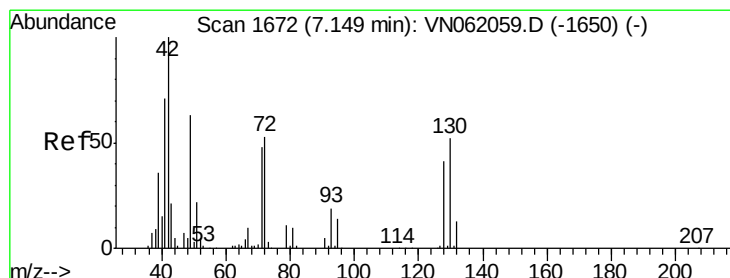
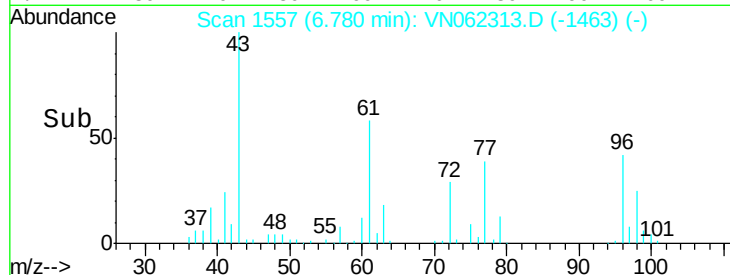
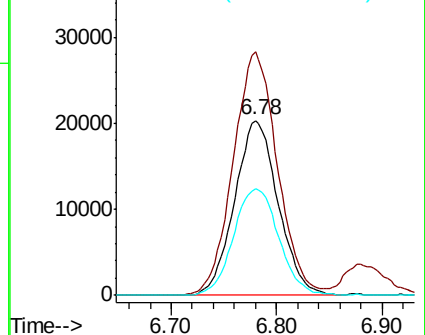
98 63.6 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.218 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

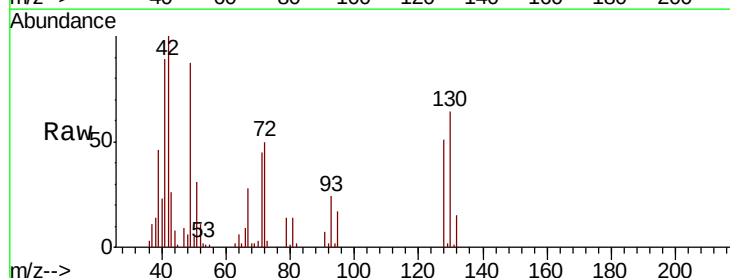
Tgt Ion: 49 Resp: 41131

Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.4

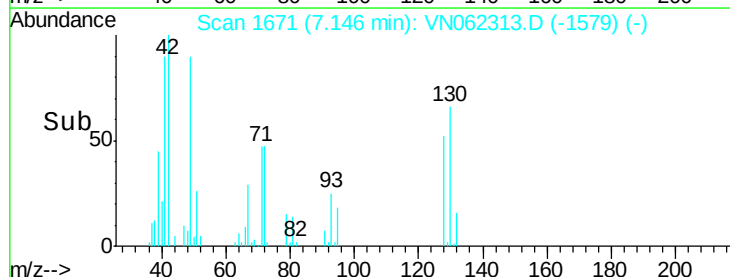
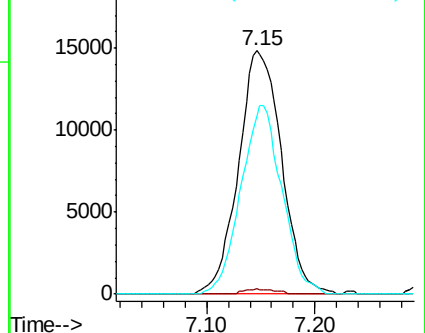
130 74.0 65.5 98.3

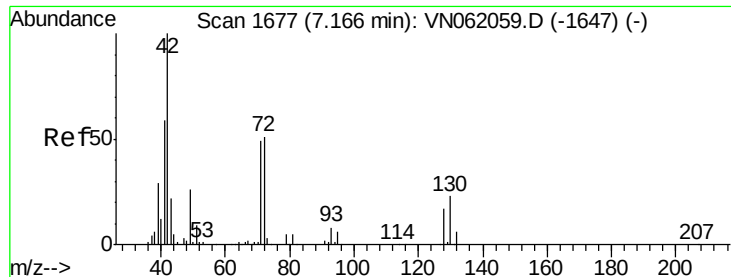


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

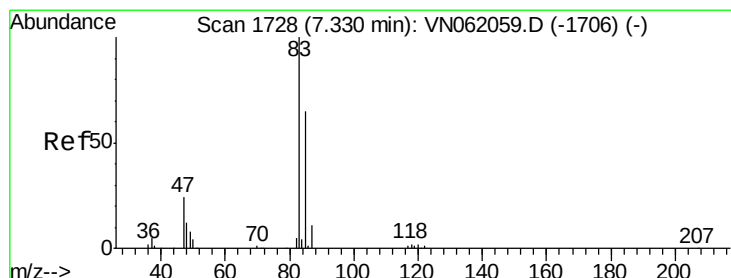
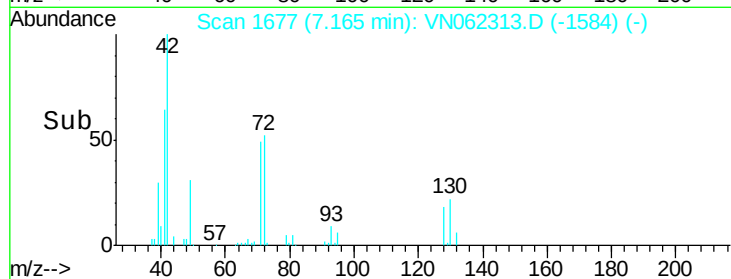
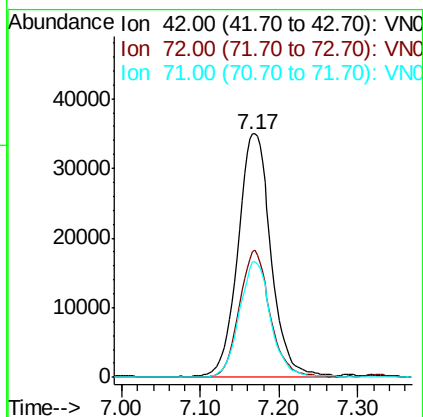
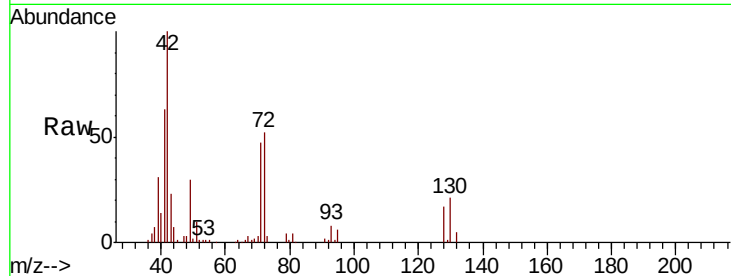




#29
Tetrahydrofuran
Concen: 118.395 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

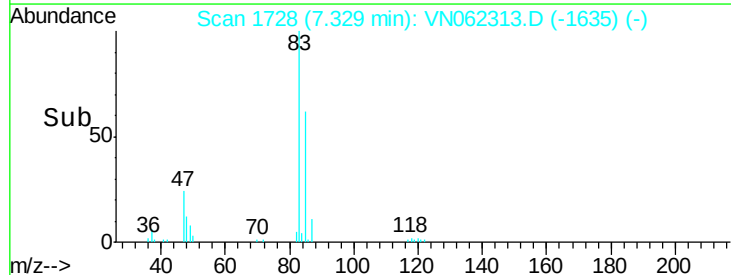
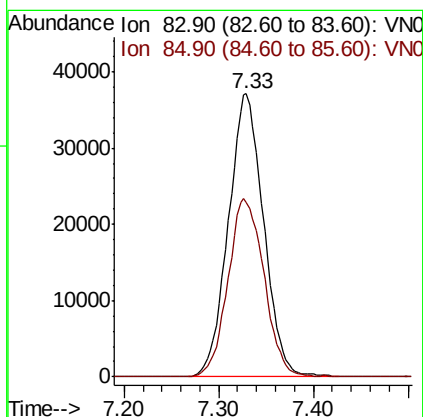
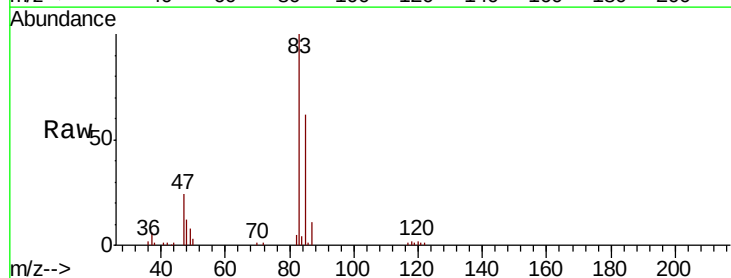
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

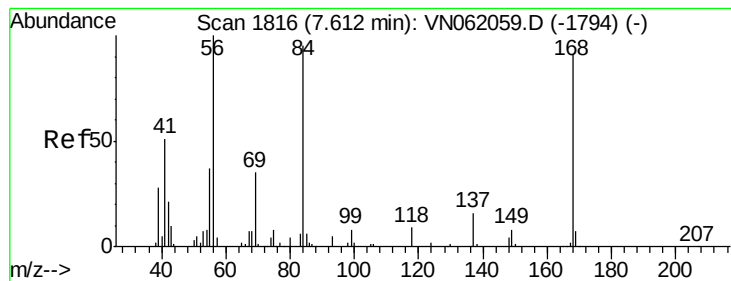
Tot Ion: 42 Resp: 103694
Ion Ratio Lower Upper
42 100
72 48.3 41.1 61.7
71 44.7 38.2 57.4



#30
Chloroform
Concen: 21.128 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 83 Resp: 96042
Ion Ratio Lower Upper
83 100
85 61.6 52.3 78.5





#31

Cyclohexane

Concen: 20.442 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleID :

VN0701WBSD02

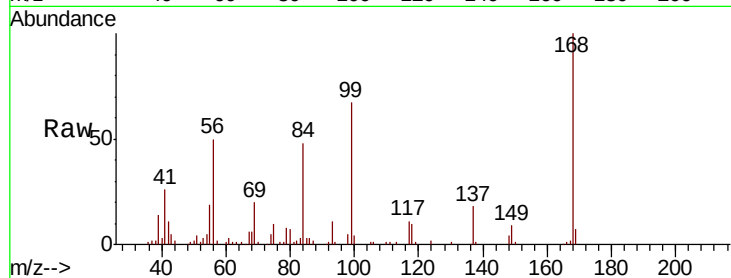
Tot Ion: 56 Resp: 77256

Ion Ratio Lower Upper

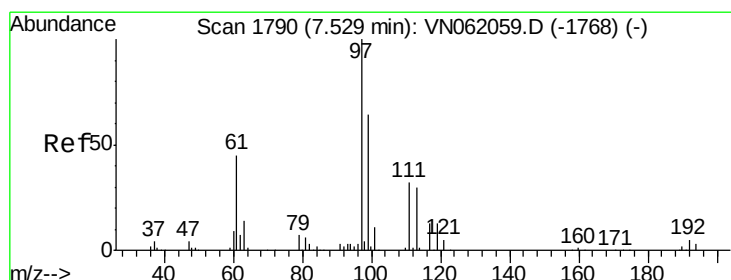
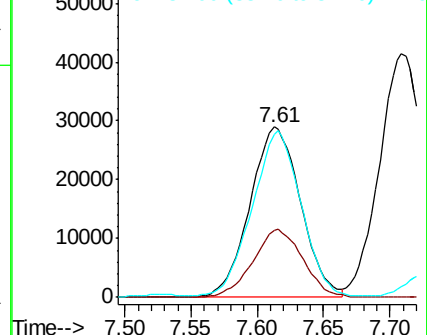
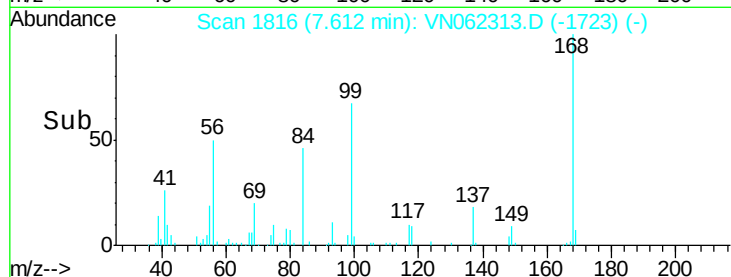
56 100

69 39.5 28.0 42.0

84 95.0 76.1 114.1



Abundance Ion 56.00 (55.70 to 56.70): VN062313.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 20.044 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

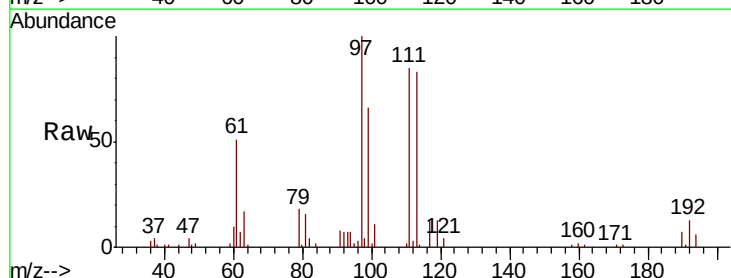
Tgt Ion: 97 Resp: 76838

Ion Ratio Lower Upper

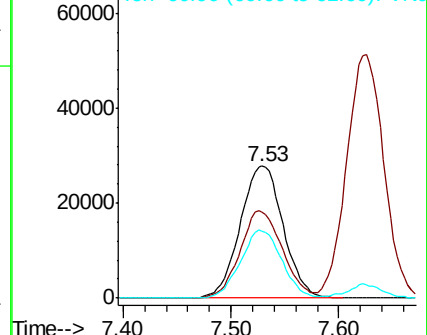
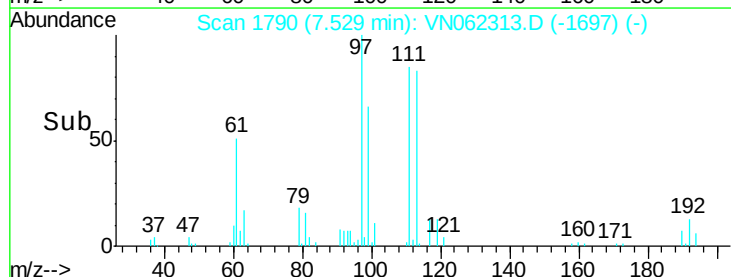
97 100

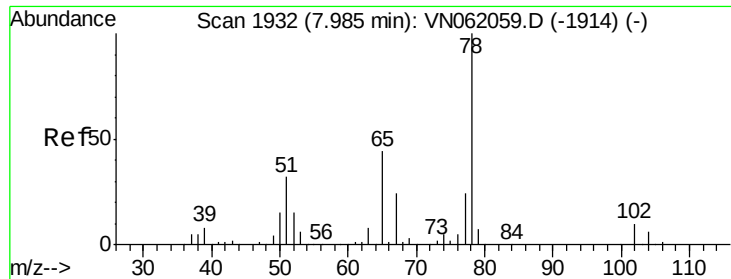
99 65.3 51.0 76.4

61 49.5 36.2 54.2



Abundance Ion 96.90 (96.60 to 97.60): VN062313.D (-1697) (-)

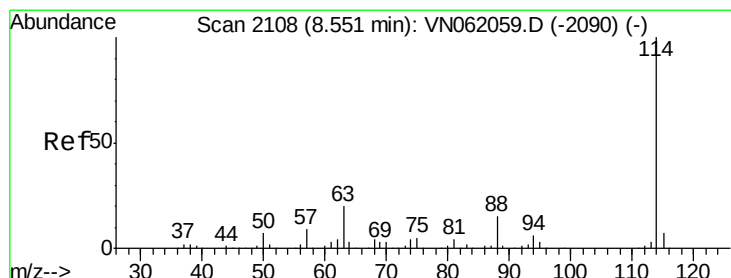
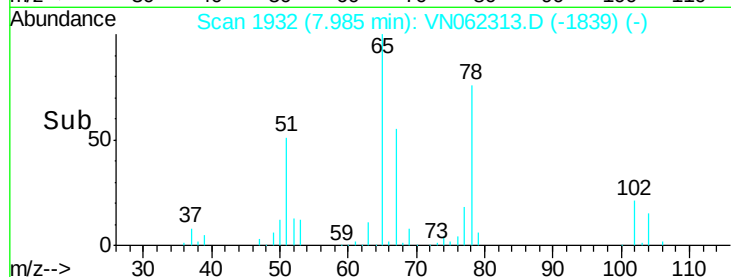
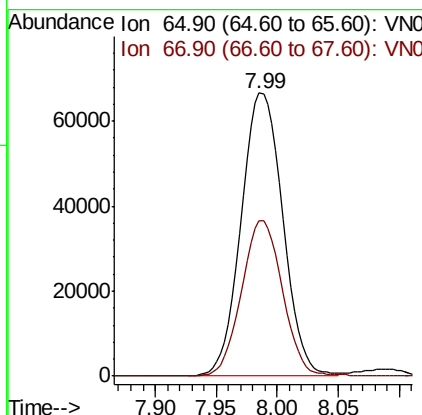
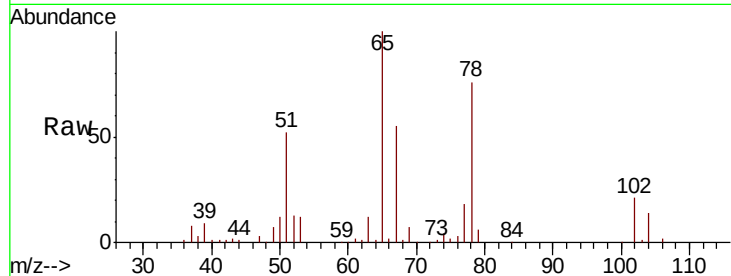




#33
 1,2-Dichloroethane-d4
 Concen: 57.618 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

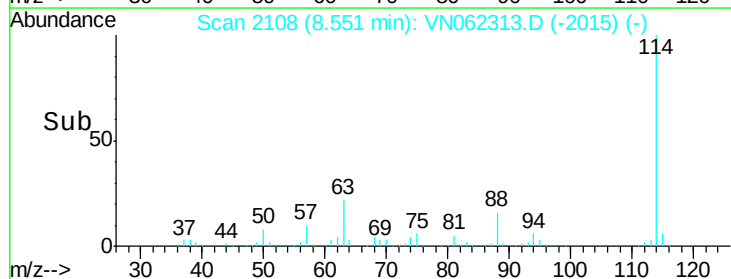
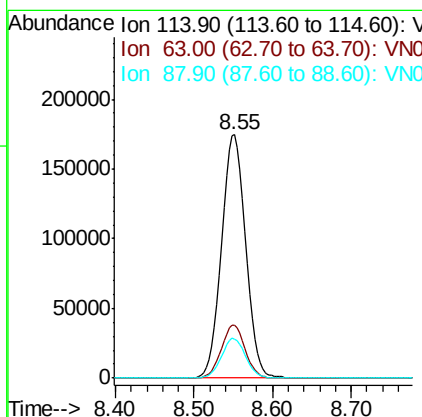
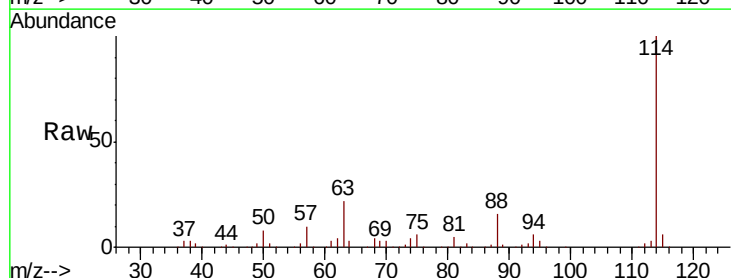
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

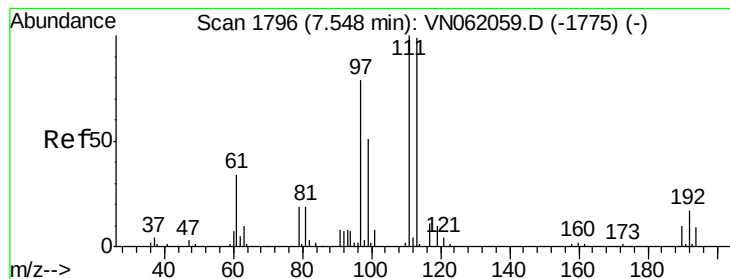
Tot Ion: 65 Resp: 157611
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion: 114 Resp: 369744
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.2
 88 16.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.074 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

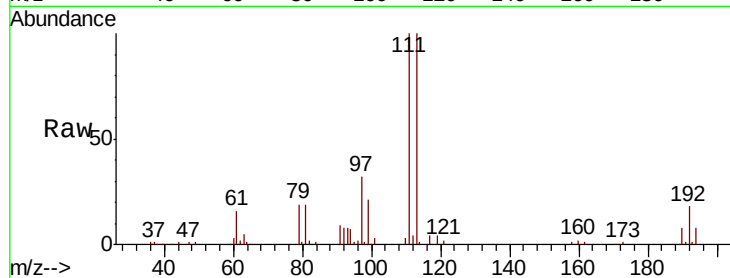
Tot Ion:113 Resp: 121153

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

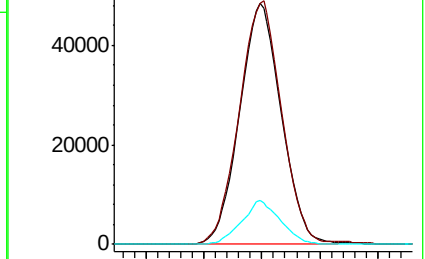
192 16.7 14.0 21.0



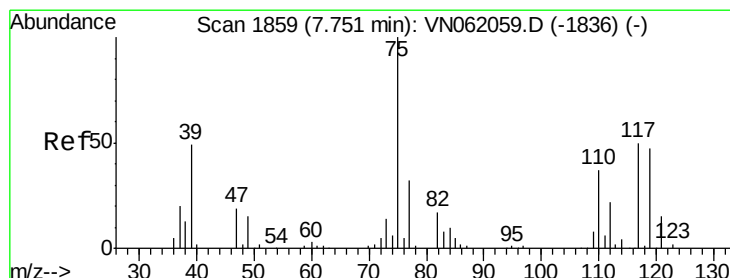
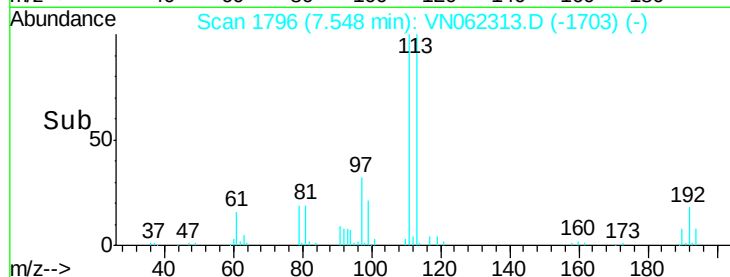
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 18.941 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

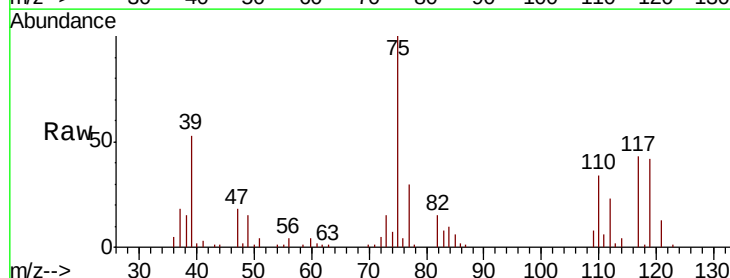
Tgt Ion: 75 Resp: 70395

Ion Ratio Lower Upper

75 100

110 32.2 17.9 53.8

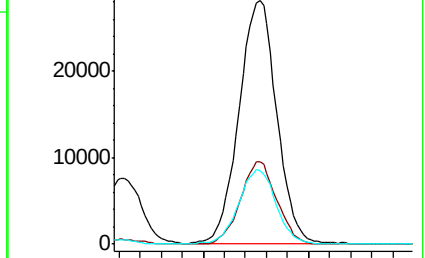
77 30.2 24.9 37.3



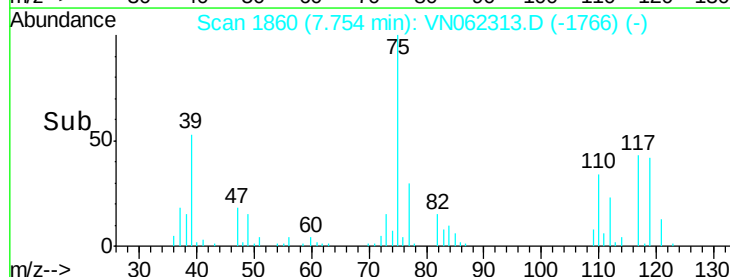
Abundance Ion 74.90 (74.60 to 75.60): VN0

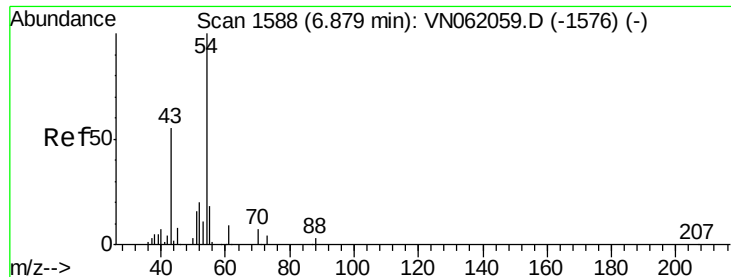
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



Time-->

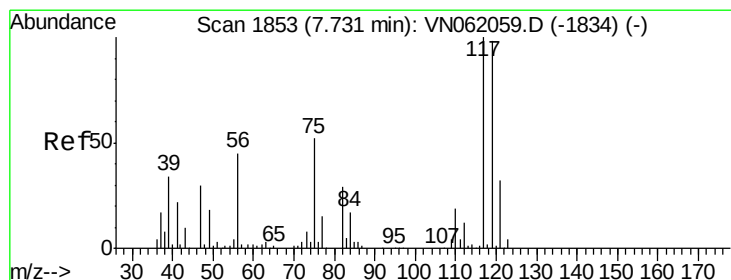
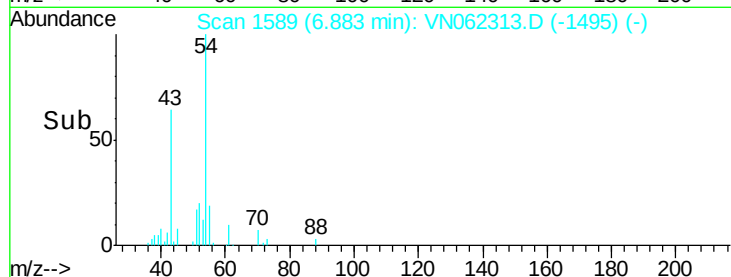
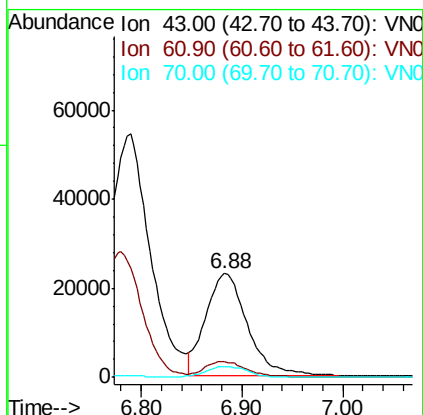
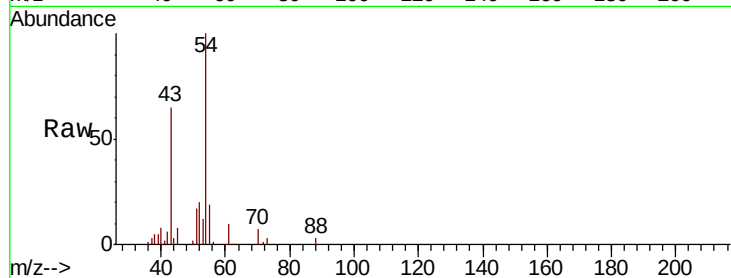




#37
Ethyl Acetate
Concen: 21.339 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

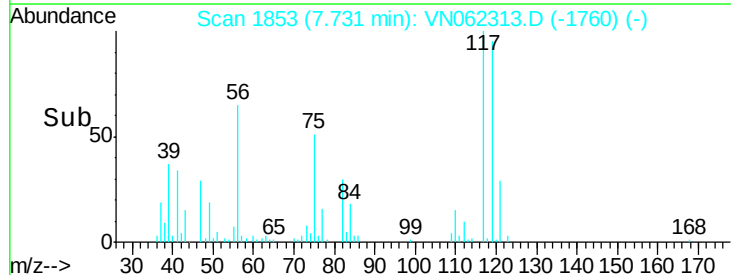
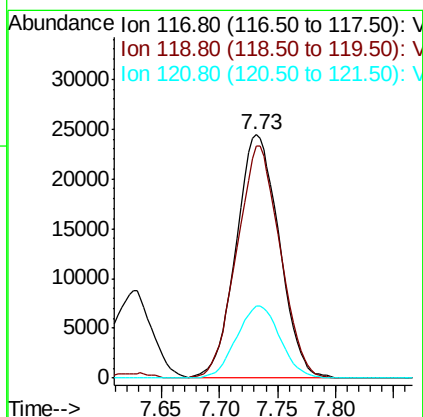
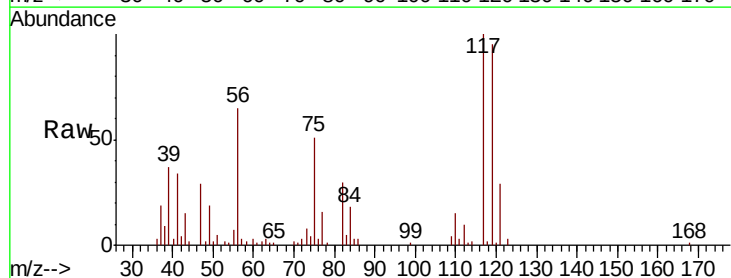
Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD02

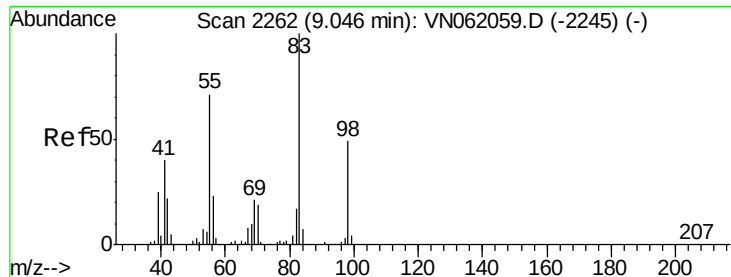
Tot Ion: 43 Resp: 65670
Ion Ratio Lower Upper
43 100
61 16.0 12.0 18.0
70 10.9 9.6 14.4



#38
Carbon Tetrachloride
Concen: 18.018 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 117 Resp: 63133
Ion Ratio Lower Upper
117 100
119 95.4 78.2 117.2
121 29.4 25.8 38.6

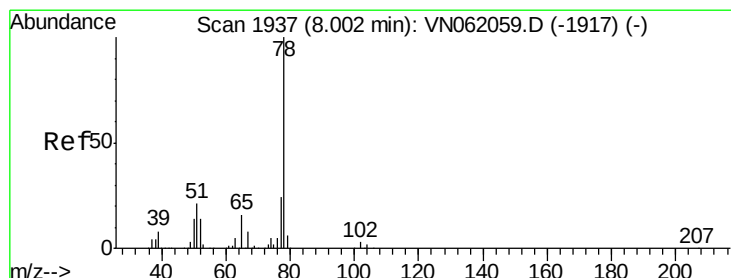
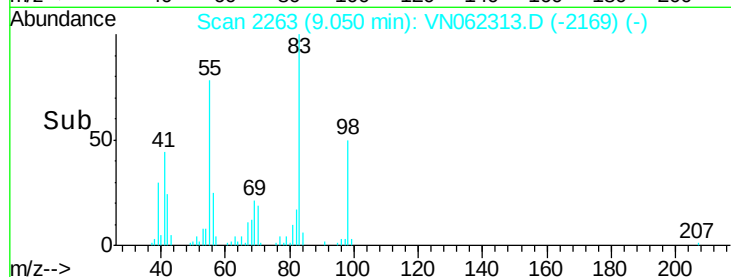
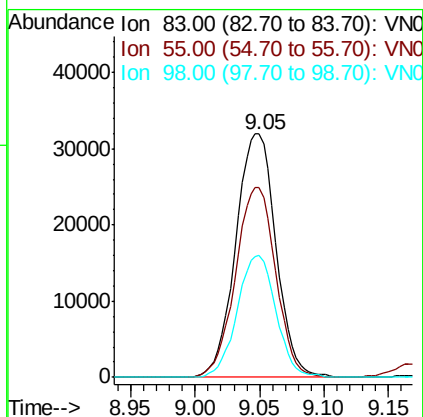
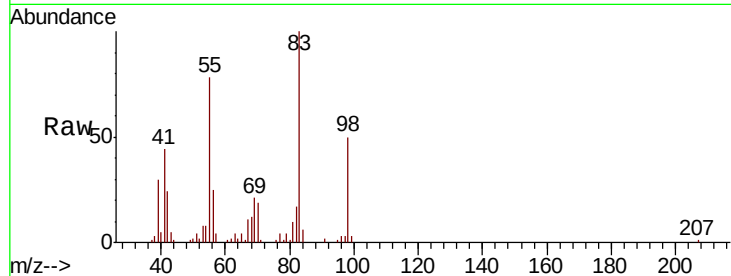




#39
Methylvlcyclohexane
Concen: 17.018 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

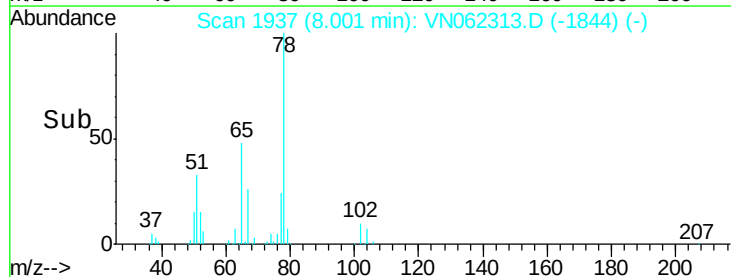
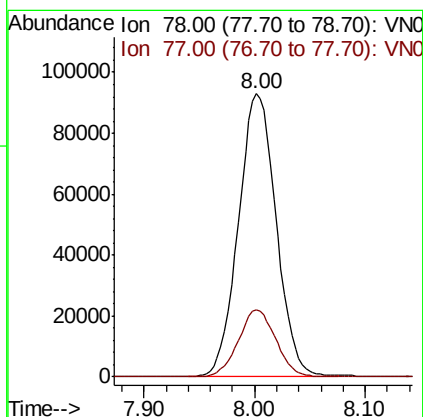
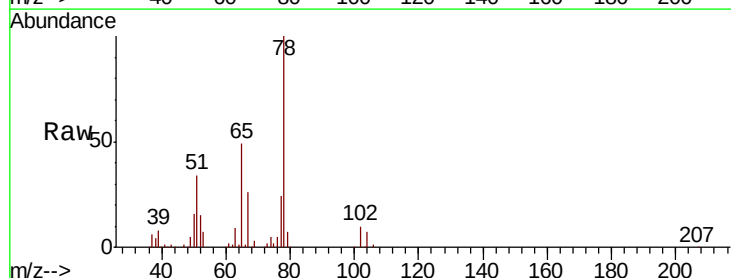
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

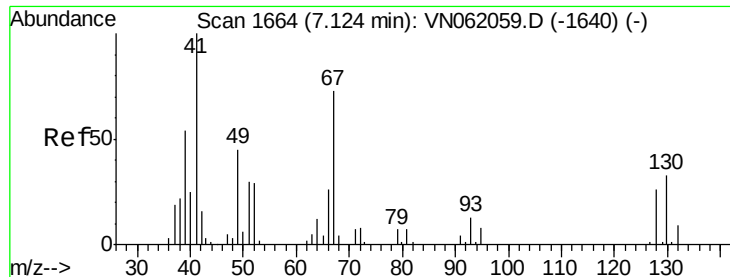
Tot Ion	83.00	Resp	69298
Ion	Ratio	Lower	Upper
83	100		
55	78.2	57.0	85.6
98	49.9	39.0	58.6



#40
Benzene
Concen: 19.475 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion	78.00	Resp	220607
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3

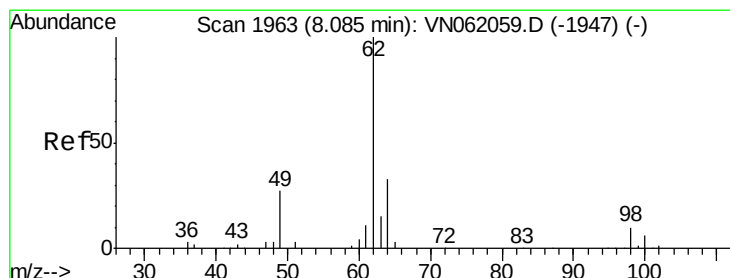
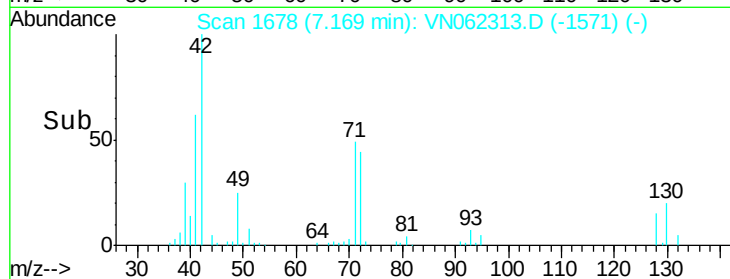
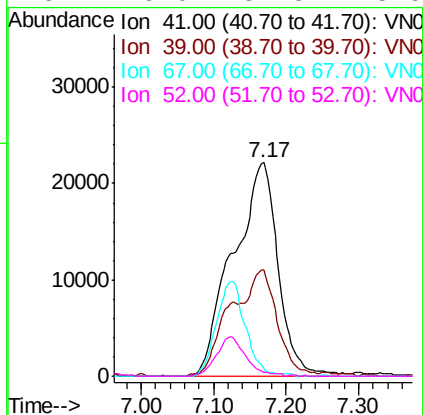
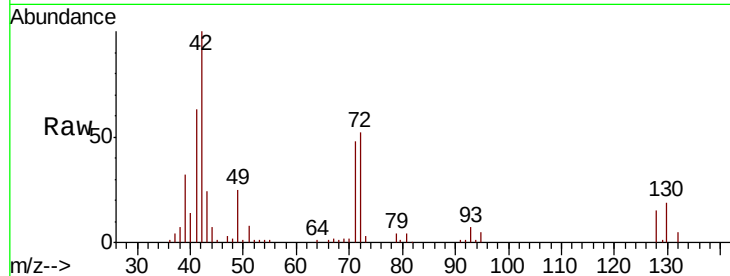




#41
Methacrylonitrile
Concen: 66.949 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

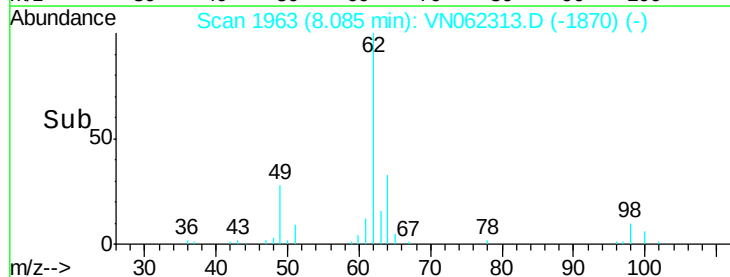
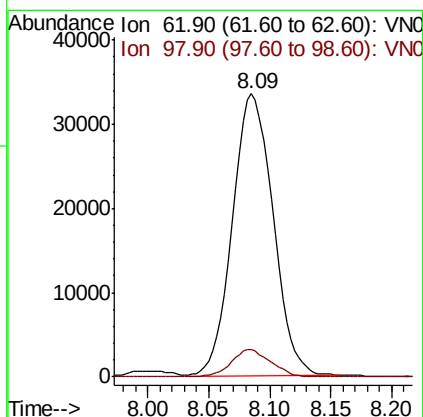
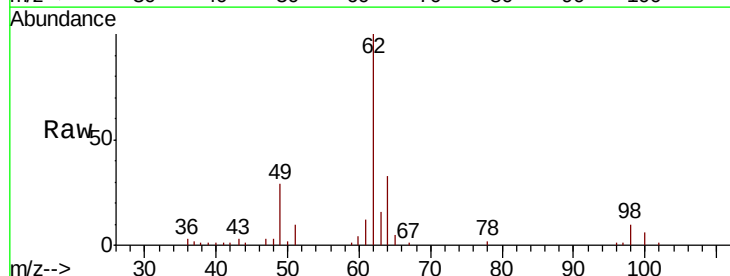
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

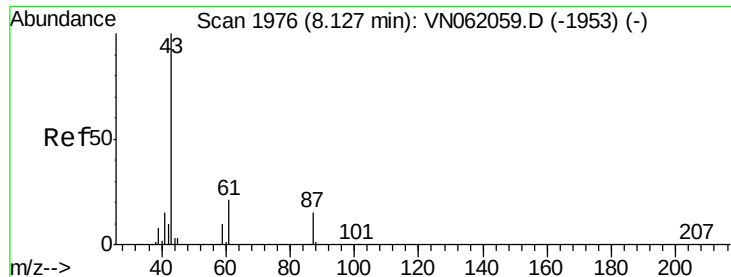
Tot Ion: 41 Resp: 95518
Ion Ratio Lower Upper
41 100
39 0.0 44.2 66.2#
67 0.0 79.5 119.3#
52 0.0 32.3 48.5#



#42
1,2-Dichloroethane
Concen: 20.219 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 62 Resp: 77384
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.8





#43

Isopropyl Acetate

Concen: 20.804 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

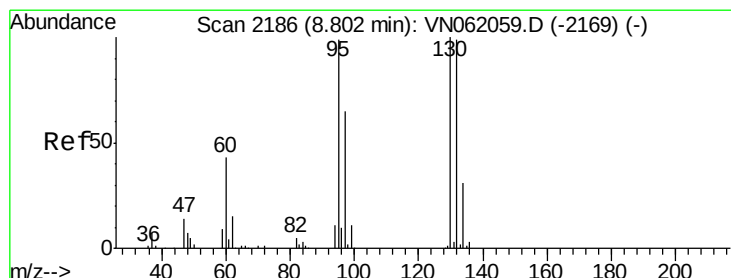
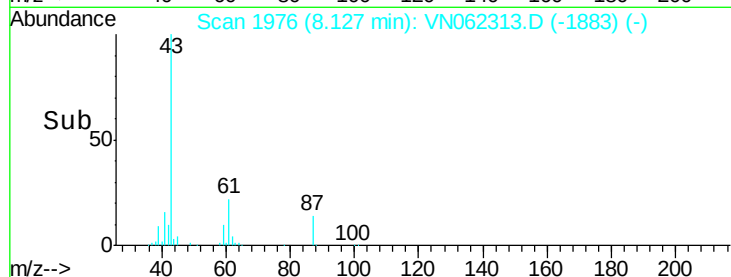
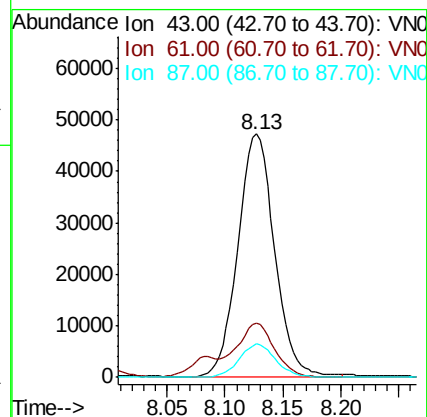
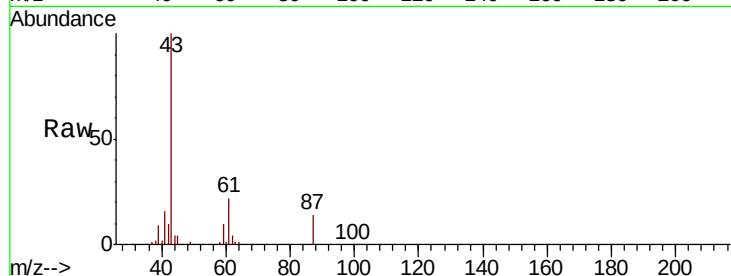
Tot Ion: 43 Resp: 104367

Ion Ratio Lower Upper

43 100

61 21.8 17.2 25.8

87 13.4 12.1 18.1



#44

Trichloroethene

Concen: 17.508 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062313.D

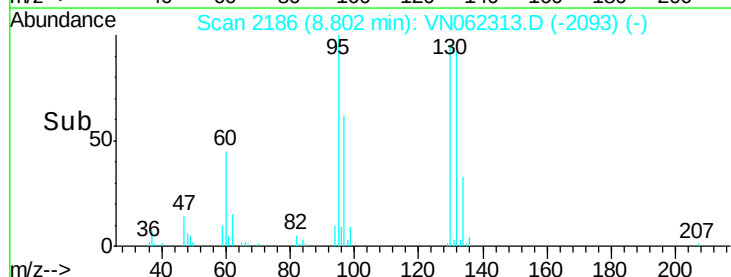
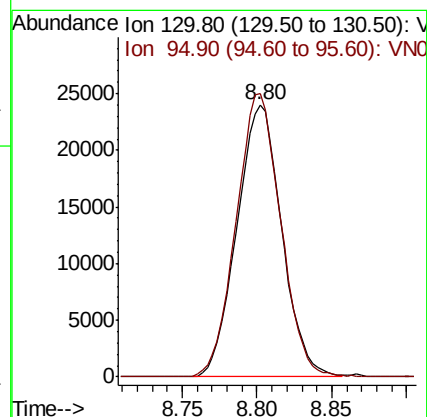
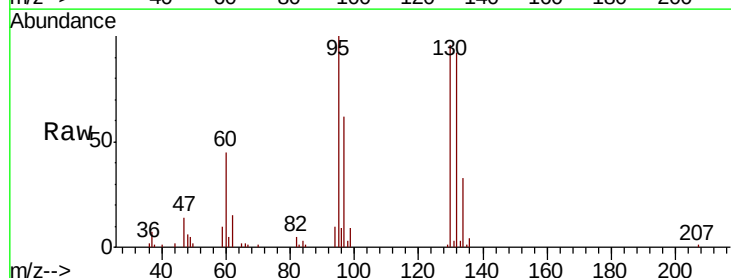
Acq: 2 Jul 2020 1:32

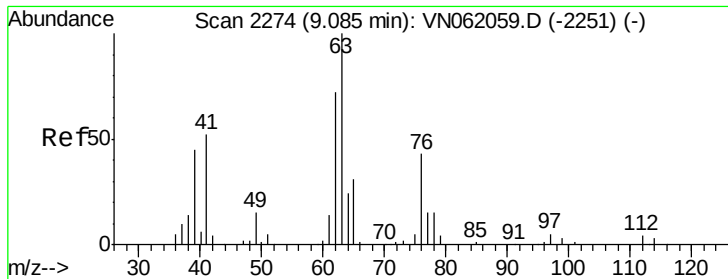
Tgt Ion: 130 Resp: 50029

Ion Ratio Lower Upper

130 100

95 104.1 0.0 197.8

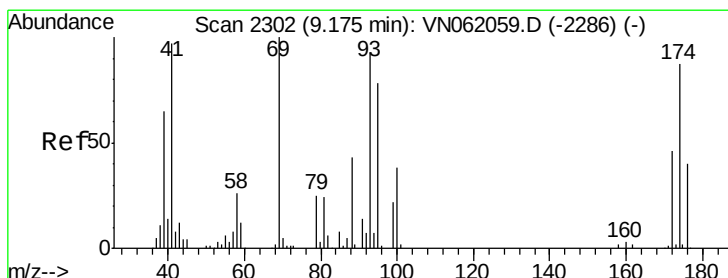
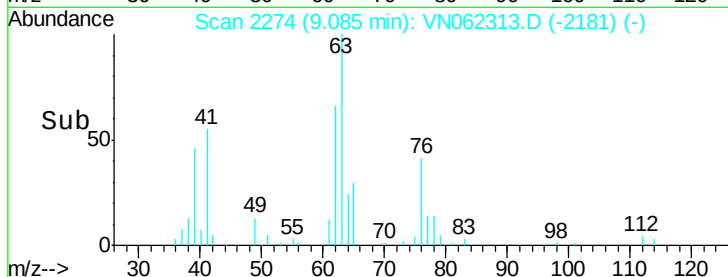
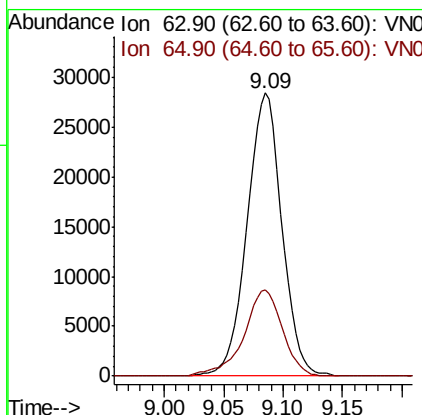
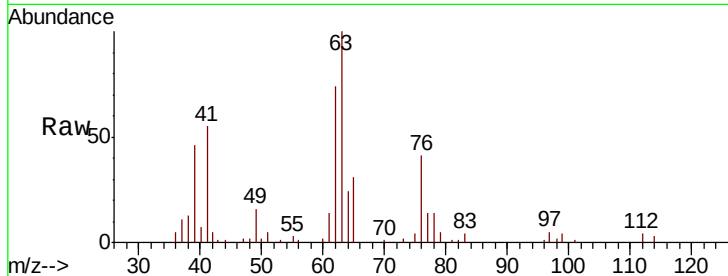




#45
 1,2-Dichloropropane
 Concen: 20.612 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

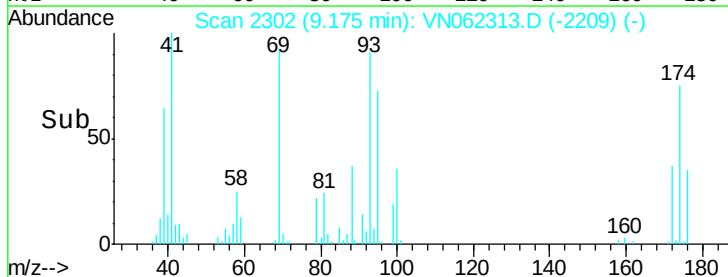
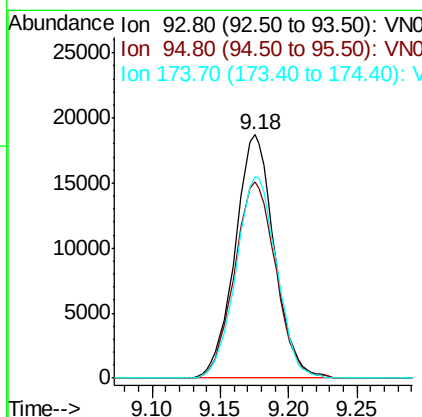
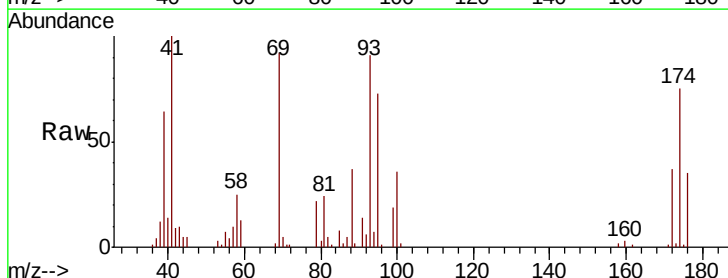
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

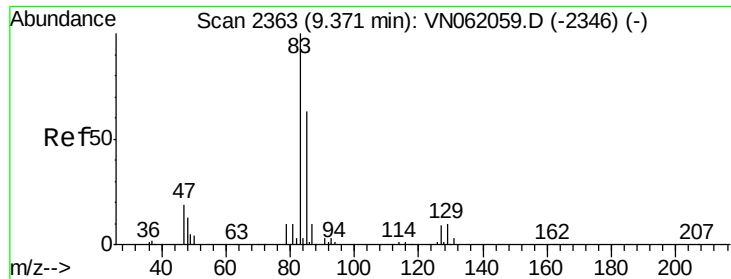
Tot Ion: 63 Resp: 57601
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 19.717 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion: 93 Resp: 37358
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.0 100.6
 174 85.5 74.4 111.6





#47

Bromodichloromethane

Concen: 19.880 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

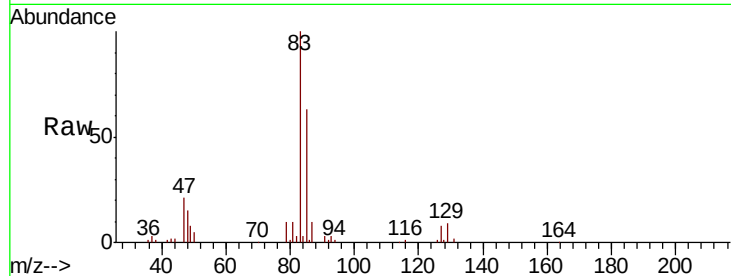
Tot Ion: 83 Resp: 76055

Ion Ratio Lower Upper

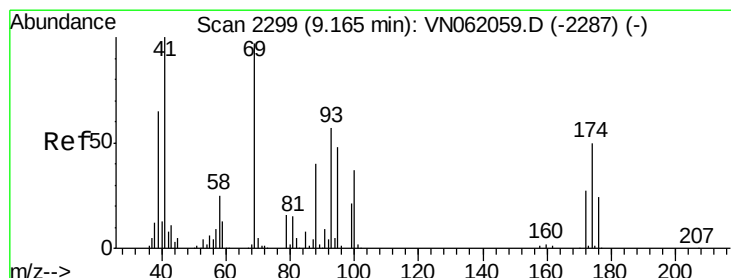
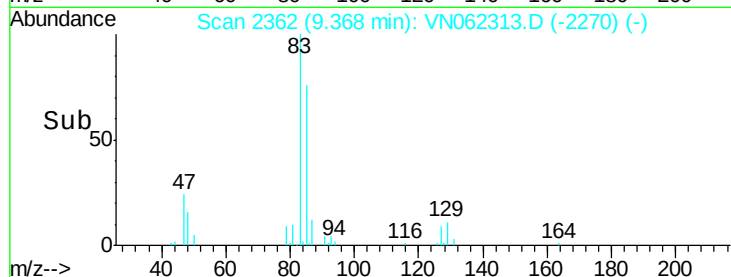
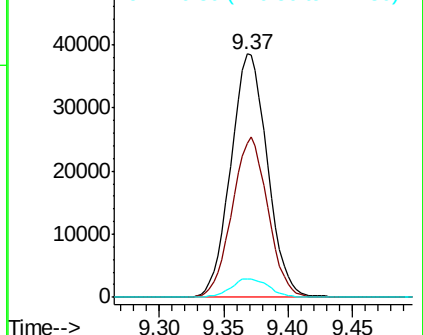
83 100

85 63.5 50.3 75.5

127 7.6 6.9 10.3



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



#48

Methyl methacrylate

Concen: 21.079 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

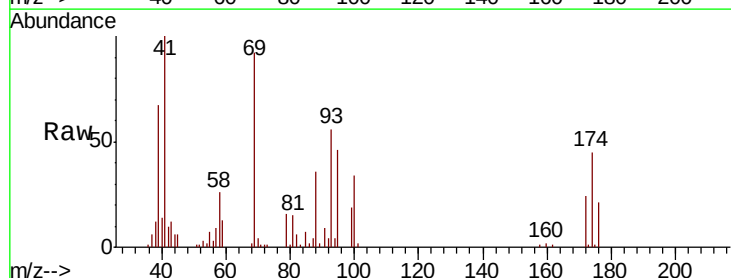
Tgt Ion: 41 Resp: 47414

Ion Ratio Lower Upper

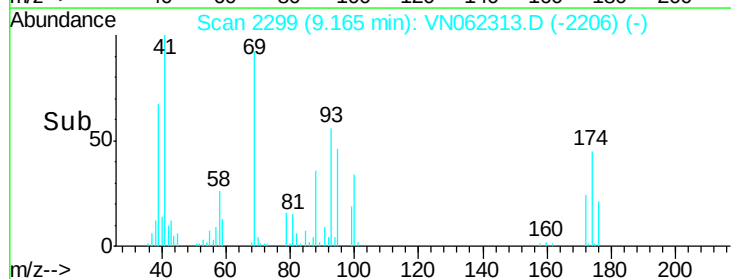
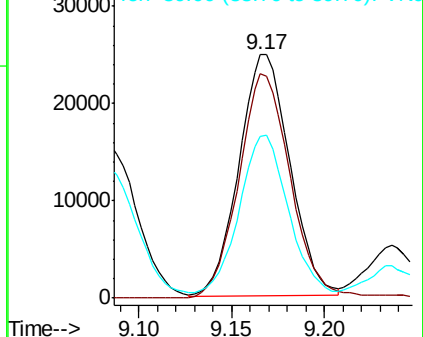
41 100

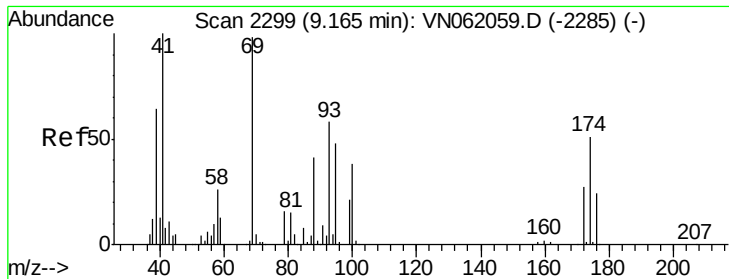
69 94.2 80.7 121.1

39 66.0 54.5 81.7



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

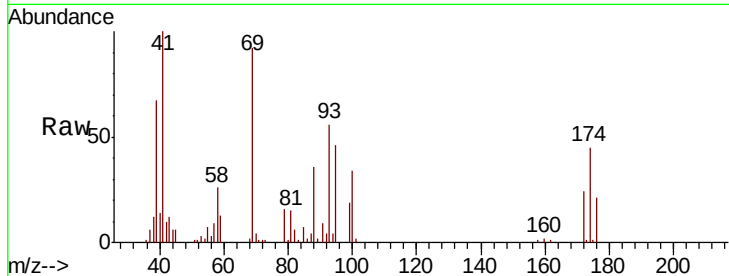




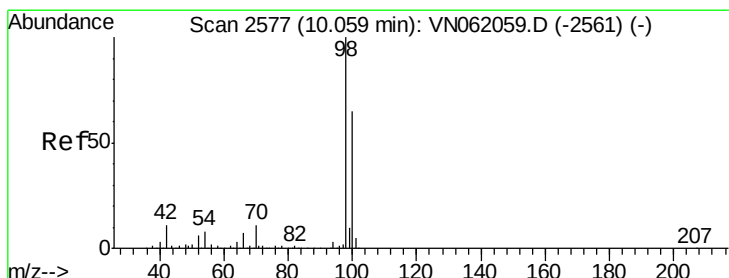
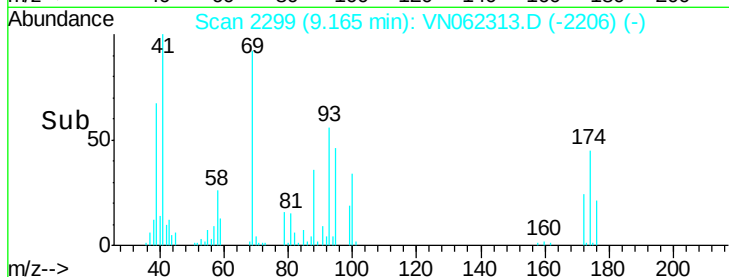
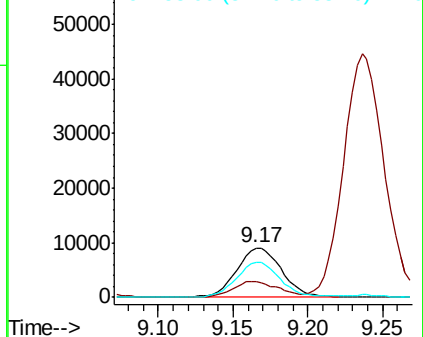
#49
1,4-Dioxane
Concen: 379.913 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

Tot Ion: 88 Resp: 18951
Ion Ratio Lower Upper
88 100
43 32.6 22.0 33.0
58 69.1 49.2 73.8

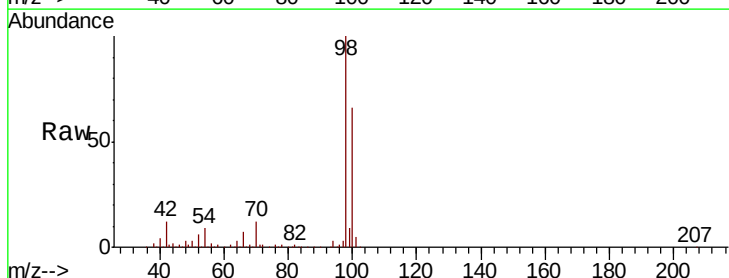


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

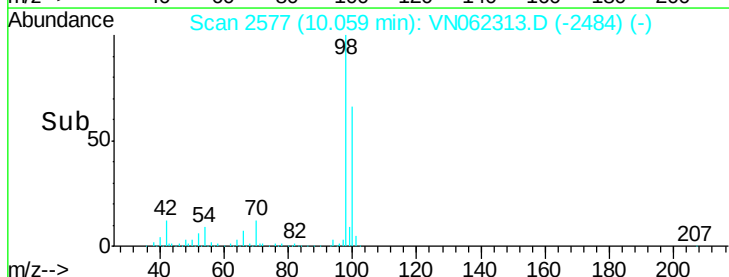
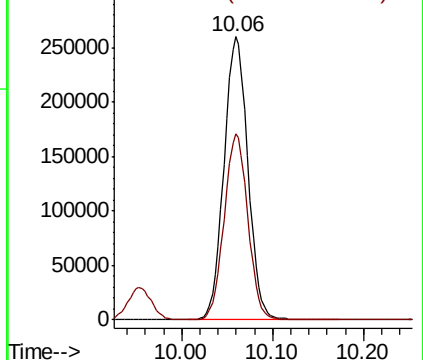


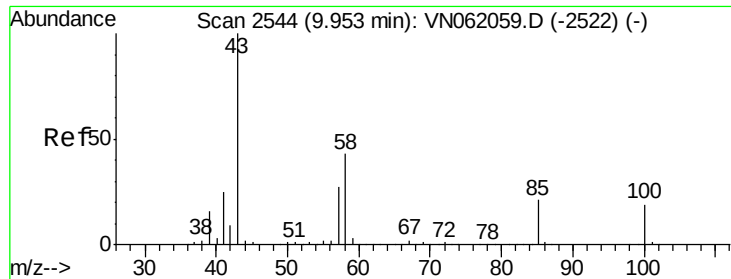
#50
Toluene-d8
Concen: 50.142 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 98 Resp: 475448
Ion Ratio Lower Upper
98 100
100 65.0 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: 111.278 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

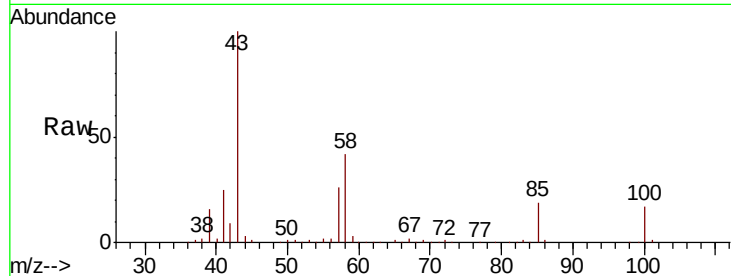
VN0701WBSD02

Tot Ion: 43 Resp: 326163

Ion Ratio Lower Upper

43 100

58 41.9 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

200000

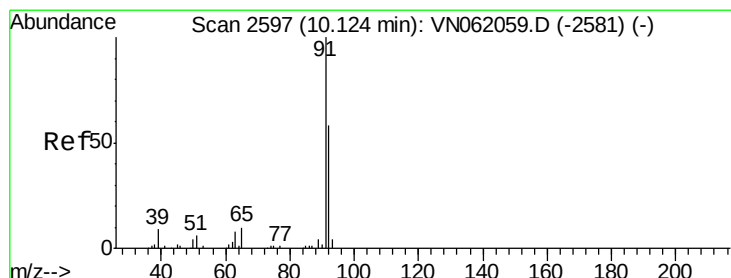
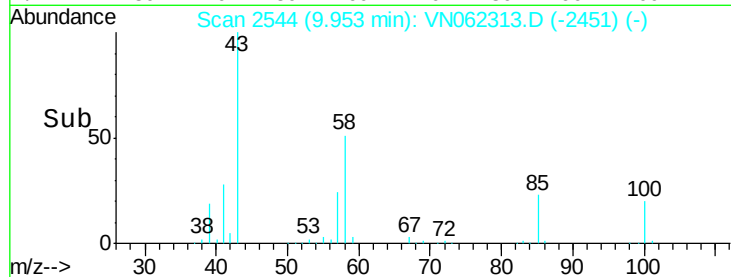
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.406 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062313.D

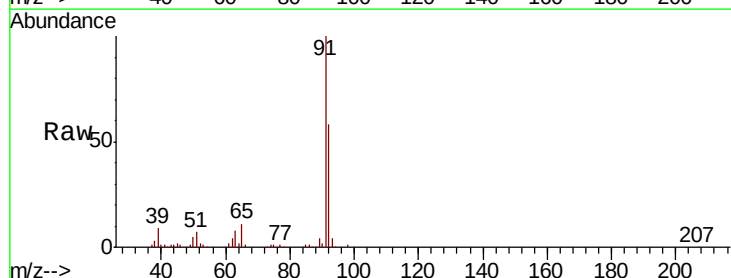
Acq: 2 Jul 2020 1:32

Tgt Ion: 92 Resp: 134128

Ion Ratio Lower Upper

92 100

91 172.7 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

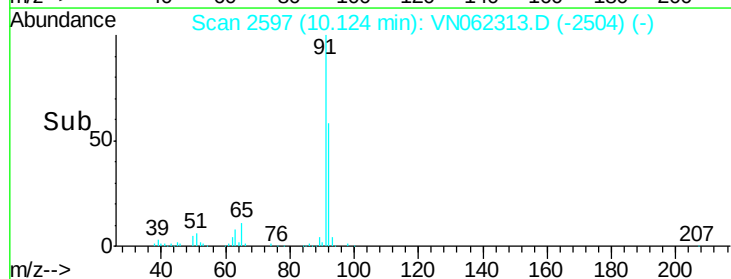
150000

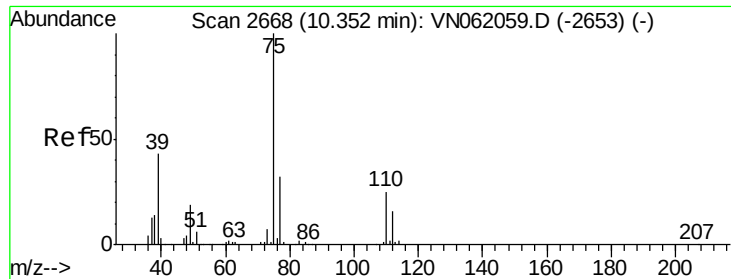
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.738 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

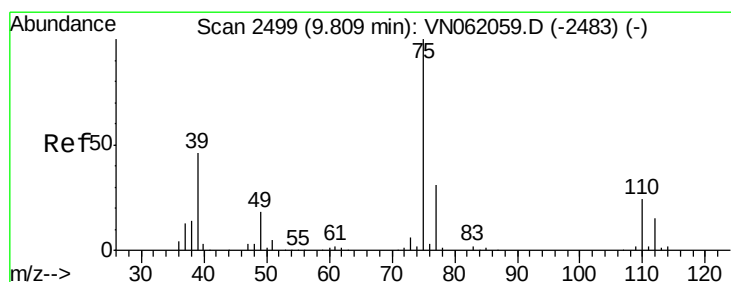
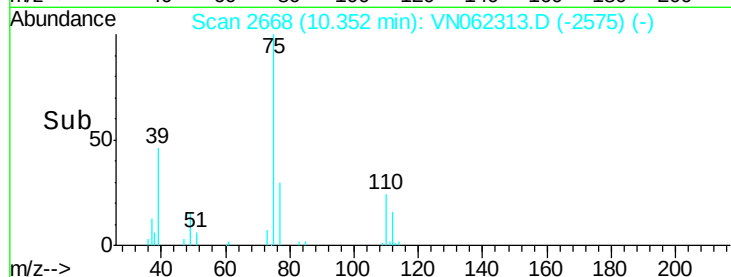
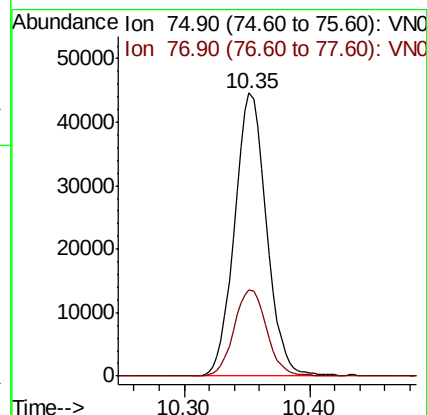
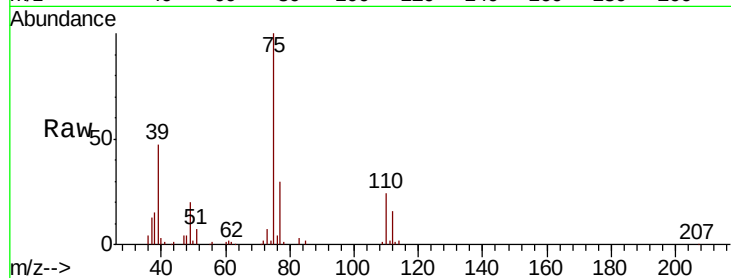
VN0701WBSD02

Tot Ion: 75 Resp: 78868

Ion Ratio Lower Upper

75 100

77 30.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.350 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

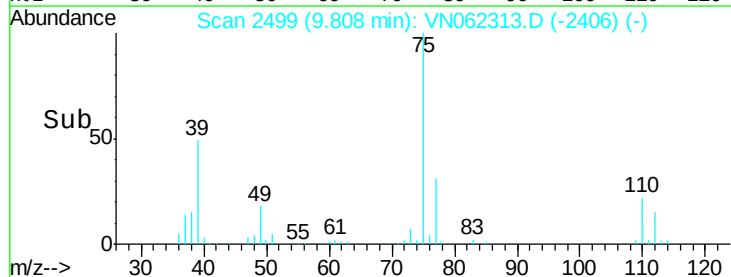
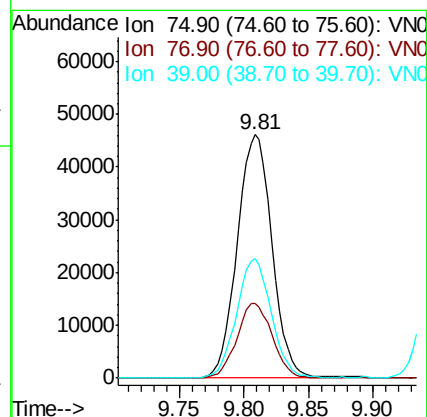
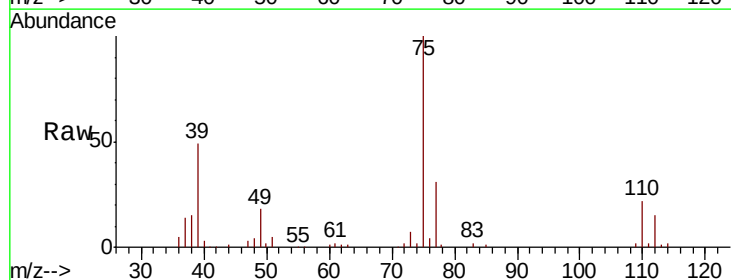
Tgt Ion: 75 Resp: 86711

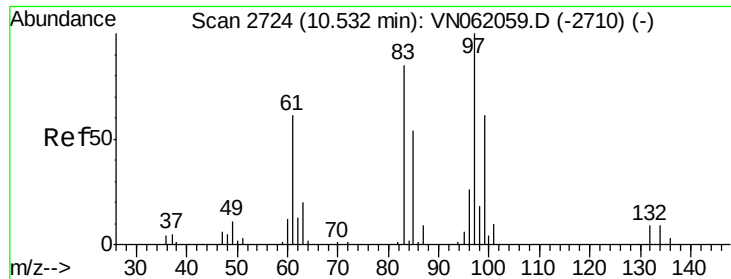
Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.6

39 49.3 36.9 55.3

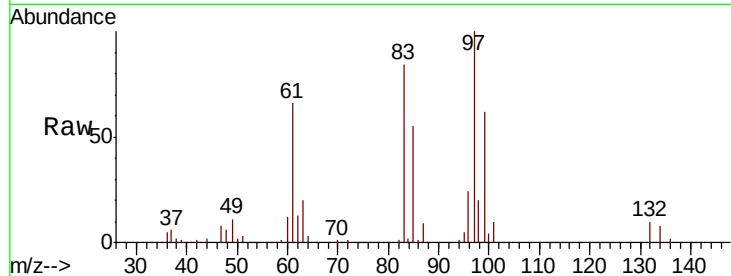




#55
 1,1,2-Trichloroethane
 Concen: 19.882 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

Tot Ion:	97	Resp:	54018
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.2	102.2
85	55.4	43.2	64.8
99	62.1	48.5	72.7



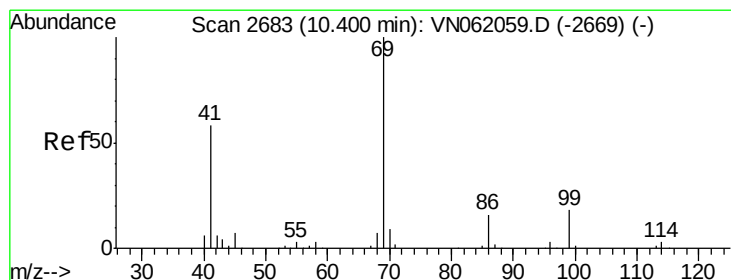
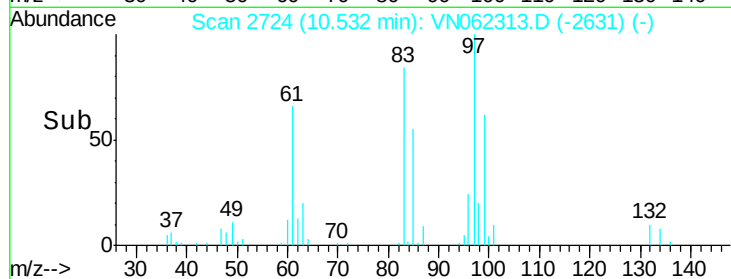
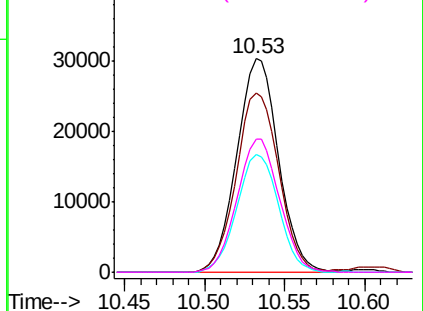
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

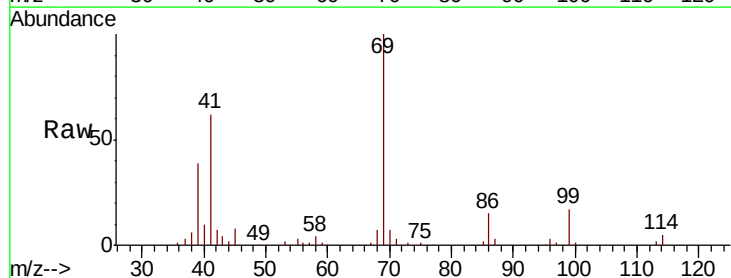
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 20.167 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion:	69	Resp:	73121
Ion	Ratio	Lower	Upper
69	100		
41	62.6	46.6	70.0
39	39.1	31.0	46.4

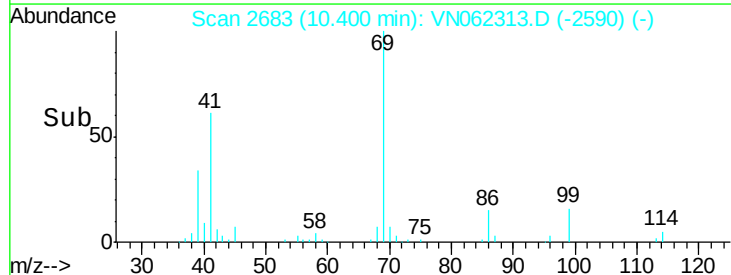
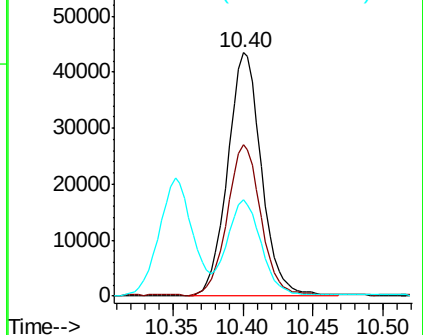


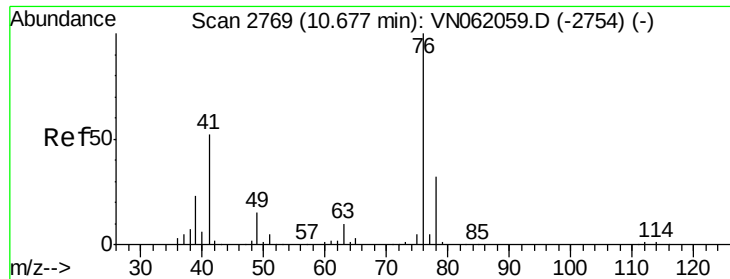
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

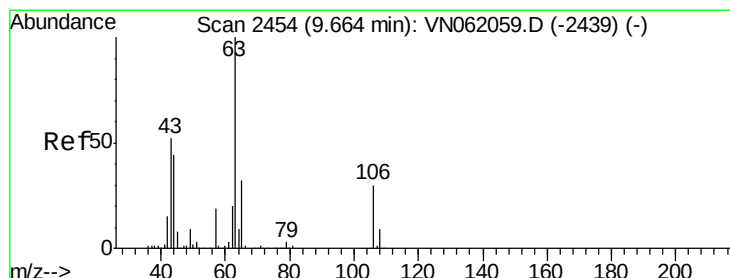
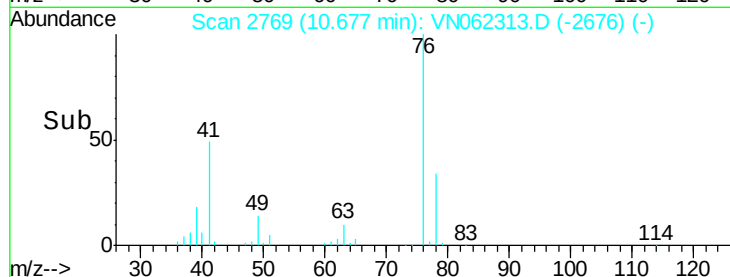
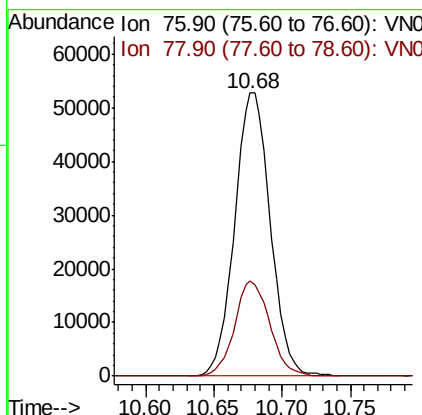
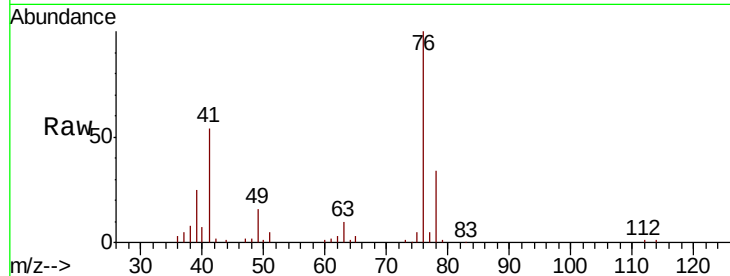




#57
 1,3-Dichloropropane
 Concen: 20.461 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

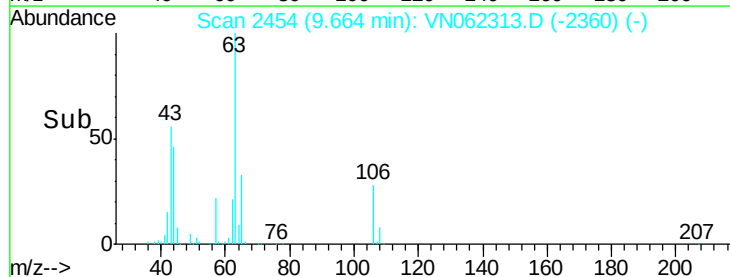
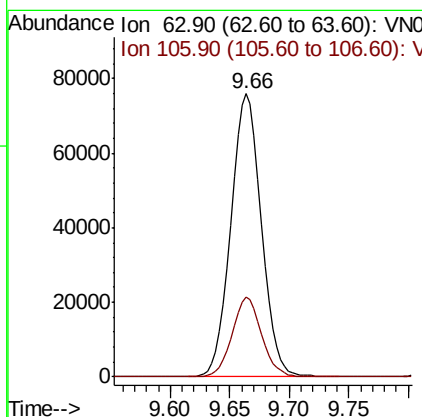
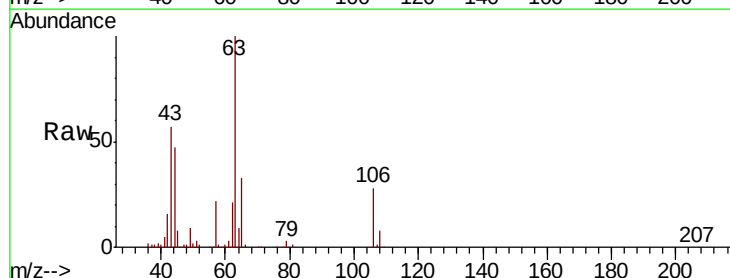
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

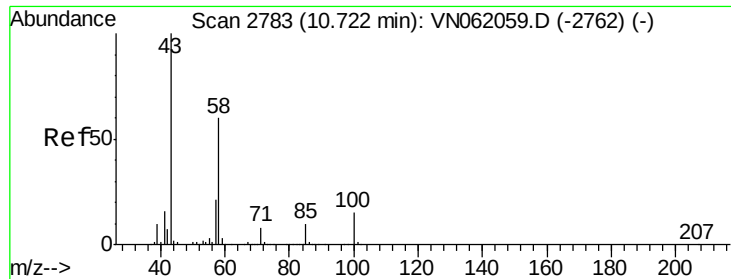
Tot Ion: 76 Resp: 95685
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.843 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion: 63 Resp: 134870
 Ion Ratio Lower Upper
 63 100
 106 27.1 23.2 34.8

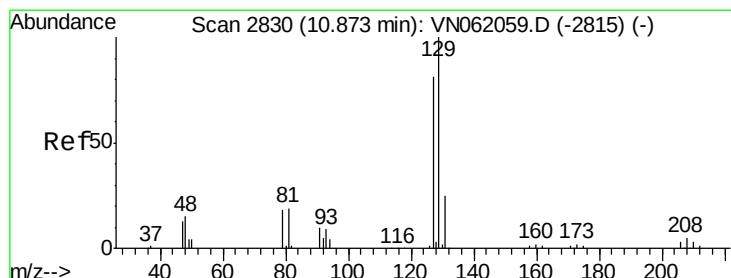
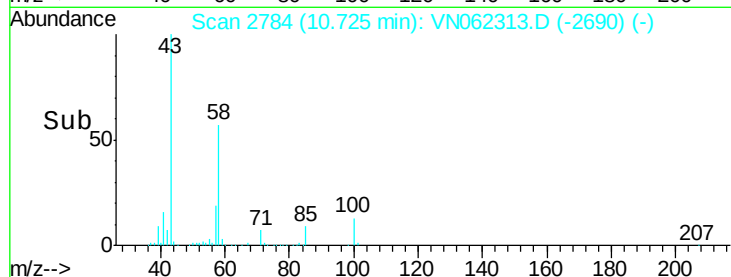
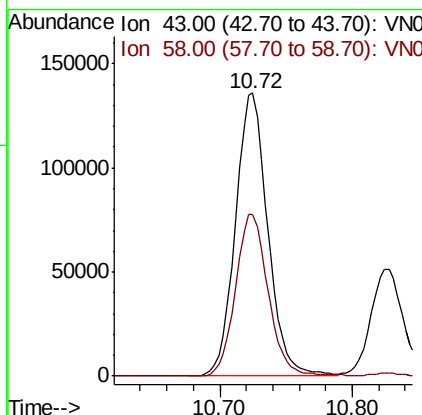
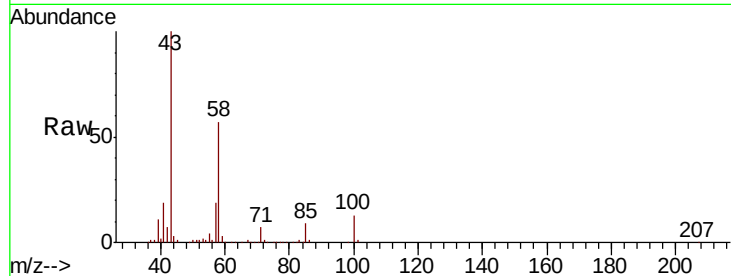




#59
2-Hexanone
Concen: 108.868 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

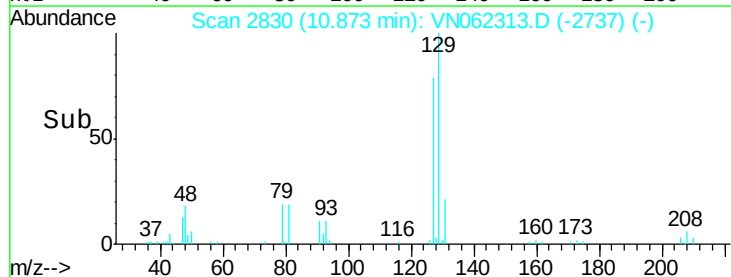
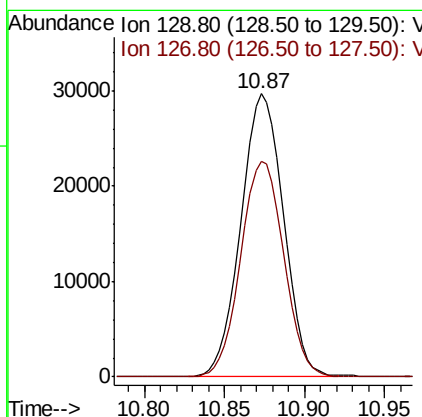
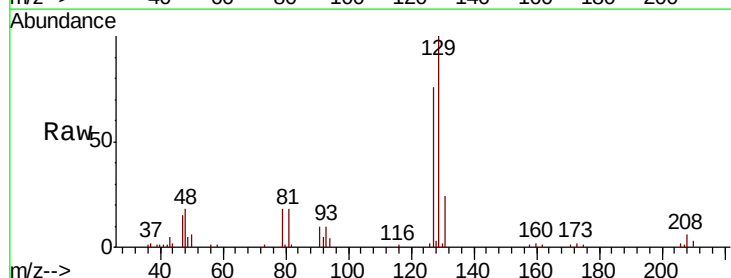
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

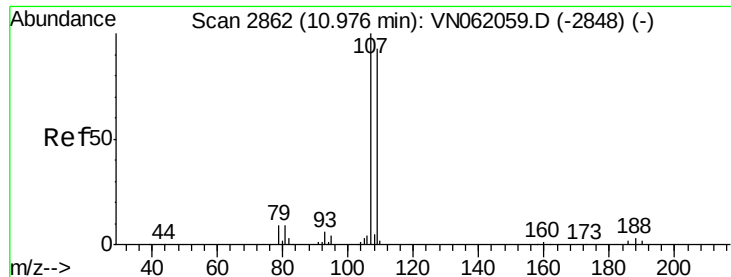
Tot Ion: 43 Resp: 230421
Ion Ratio Lower Upper
43 100
58 57.9 29.5 88.5



#60
Dibromochloromethane
Concen: 18.812 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 129 Resp: 54110
Ion Ratio Lower Upper
129 100
127 76.9 39.5 118.5

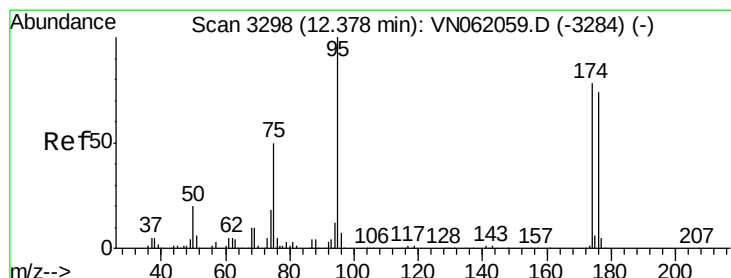
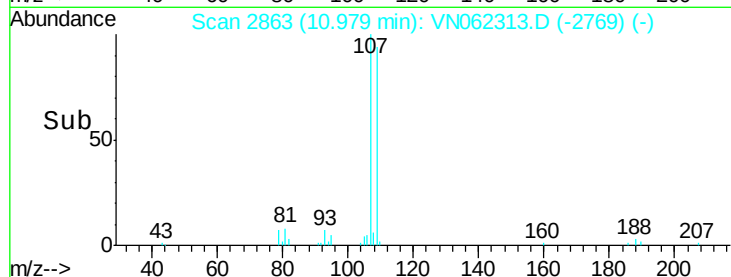
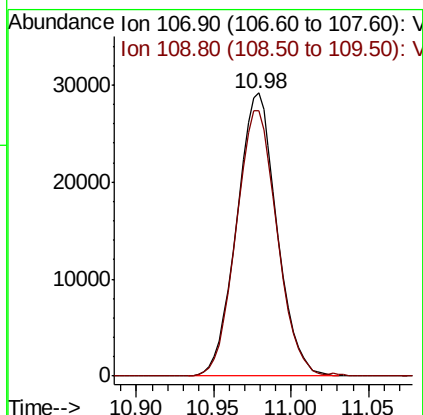
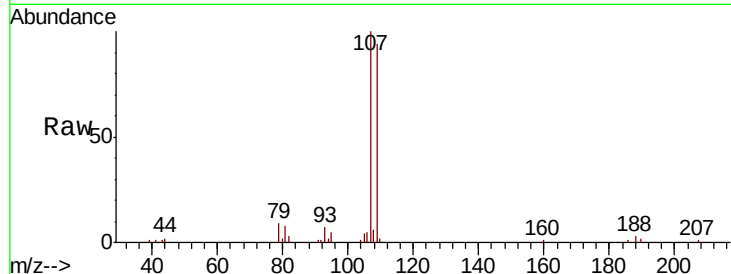




#61
 1,2-Dibromoethane
 Concen: 18.855 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

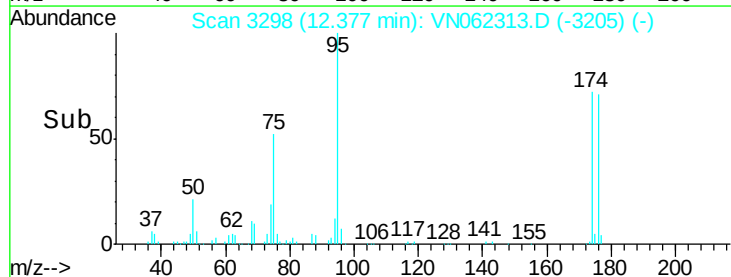
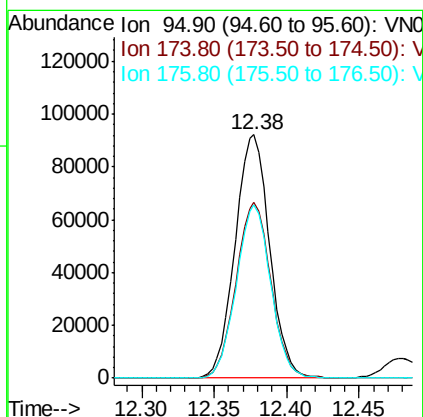
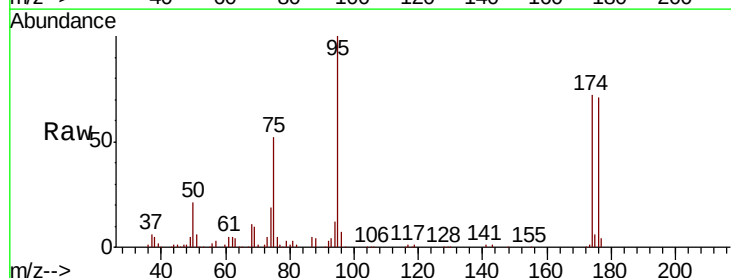
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

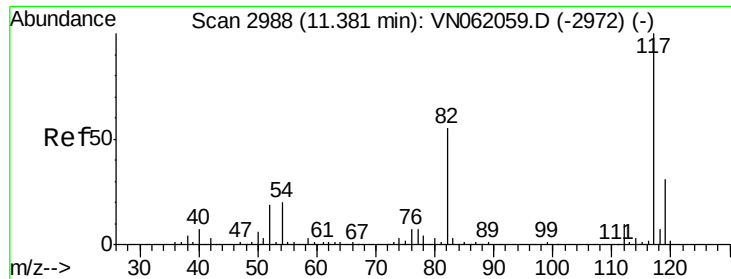
Tot Ion:107 Resp: 52637
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.801 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion: 95 Resp: 153134
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 154.8
 176 70.4 0.0 147.4

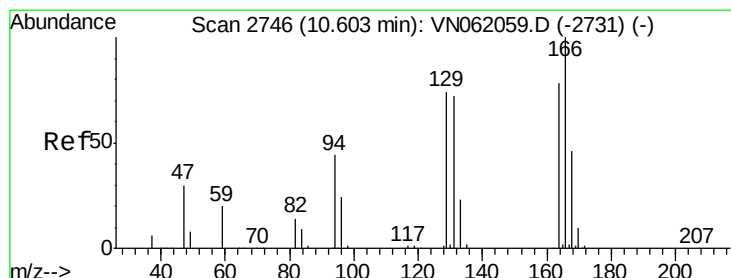
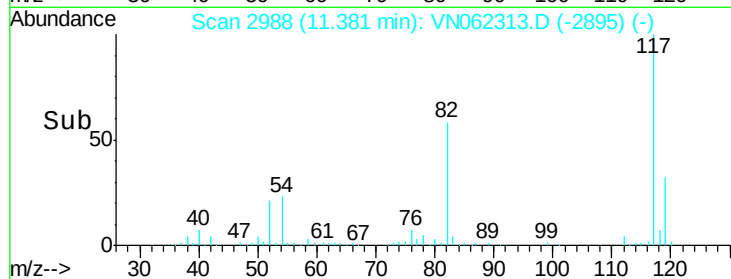
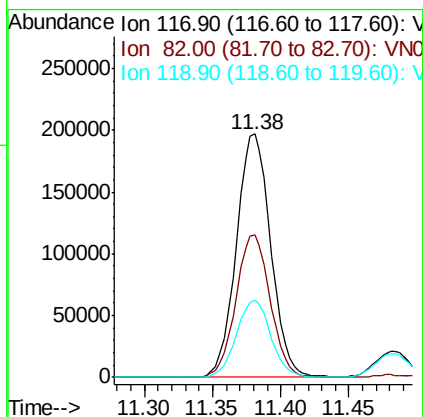
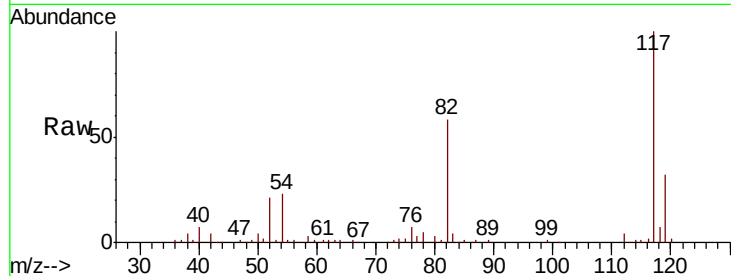




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

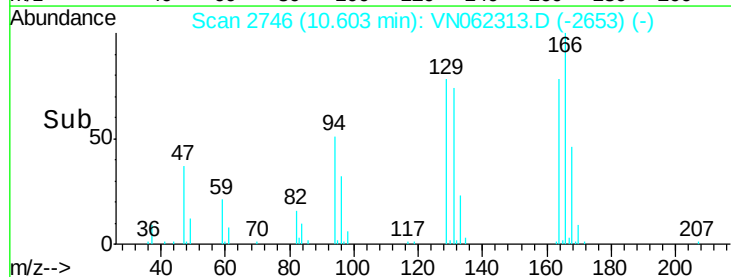
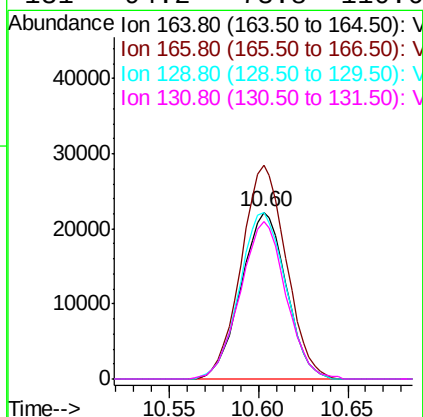
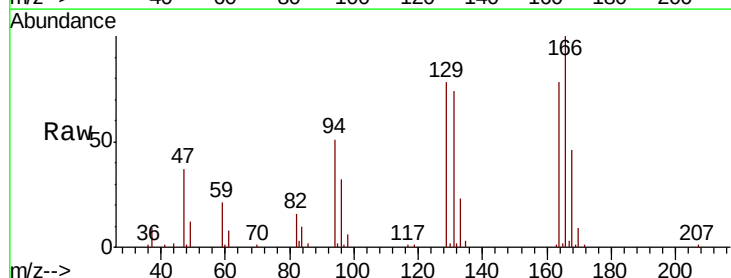
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

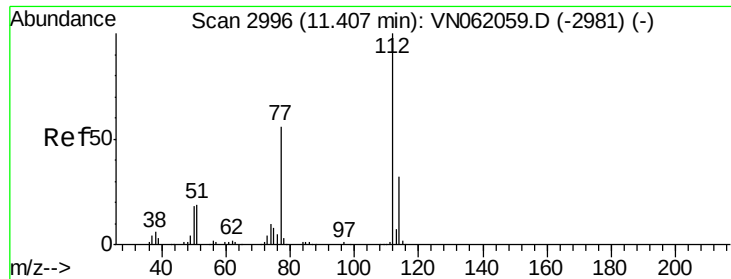
Tot Ion:117 Resp: 344446
Ion Ratio Lower Upper
117 100
82 58.3 43.8 65.8
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 16.692 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion:164 Resp: 39274
Ion Ratio Lower Upper
164 100
166 128.1 102.9 154.3
129 100.0 75.8 113.8
131 94.2 73.8 110.6

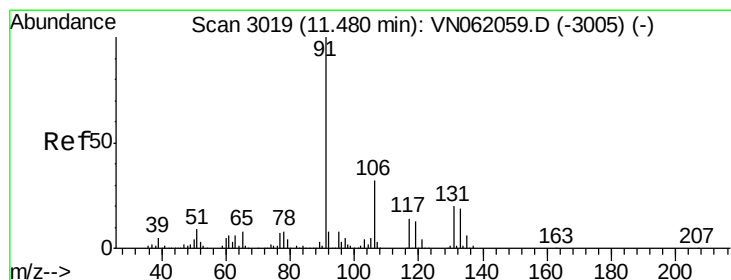
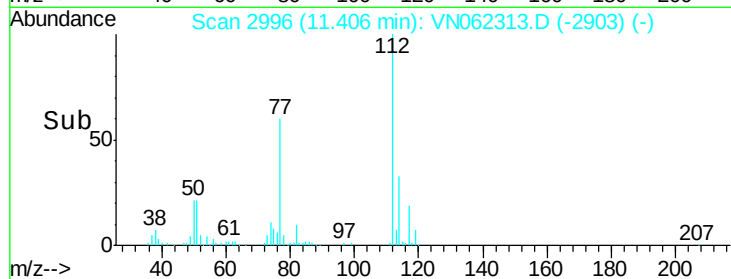
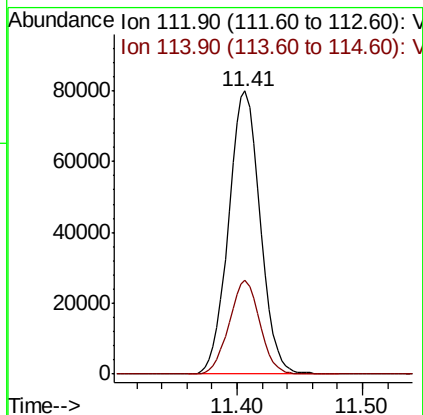
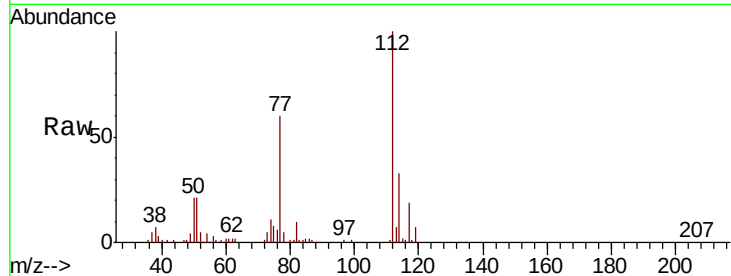




#65
Chlorobenzene
Concen: 18.457 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

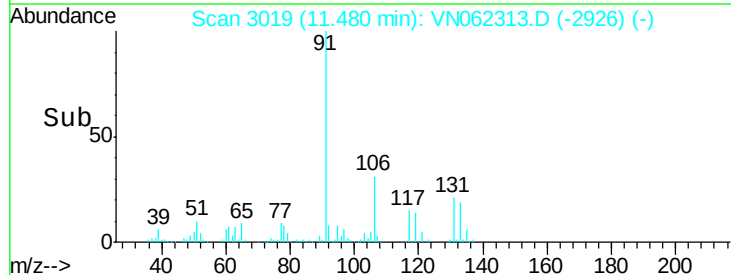
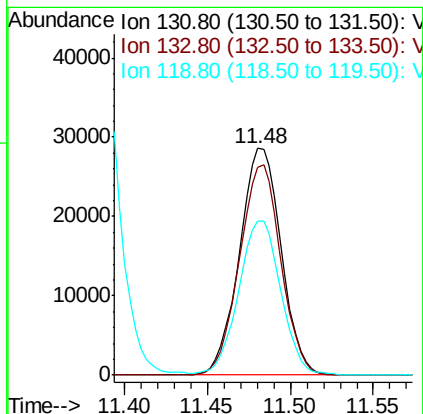
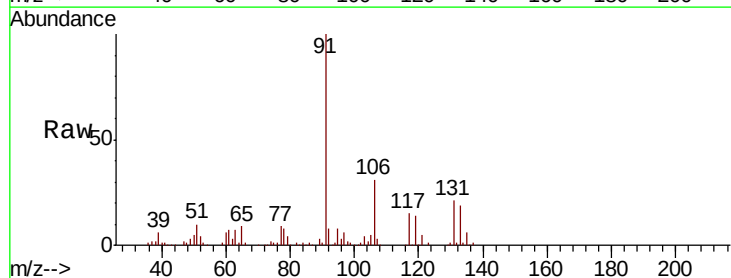
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

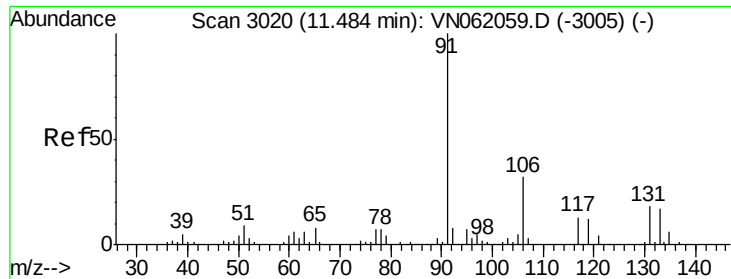
Tot Ion:112 Resp: 139612
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.118 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion:131 Resp: 50004
Ion Ratio Lower Upper
131 100
133 91.8 47.6 142.9
119 68.9 34.4 103.3

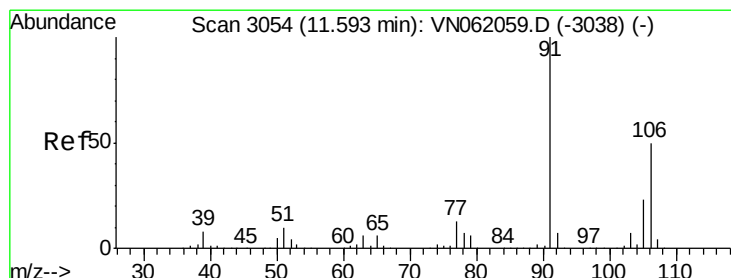
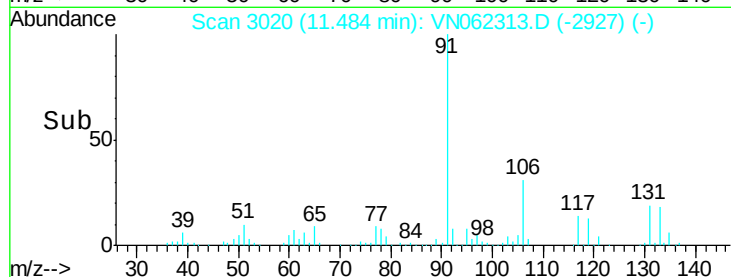
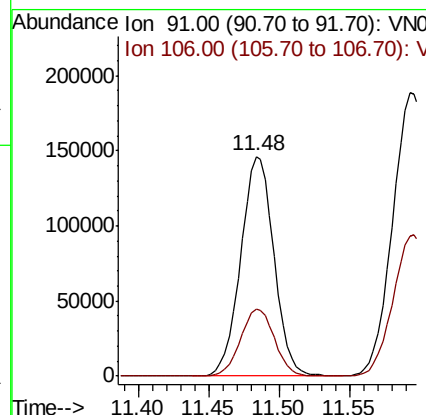
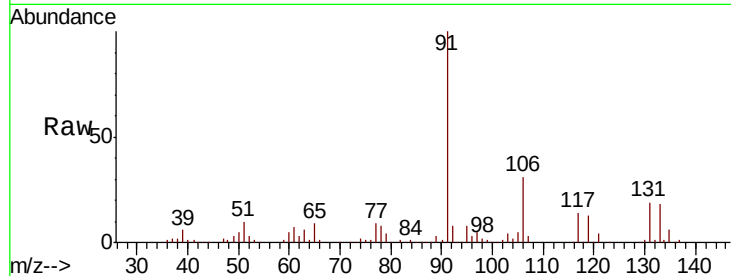




#67
Ethyl Benzene
Concen: 18.895 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

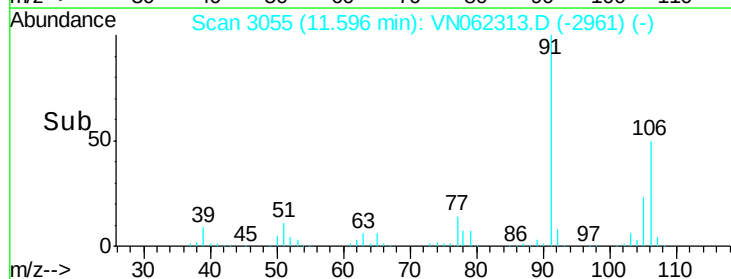
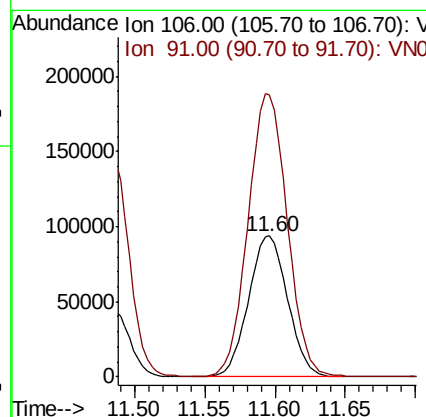
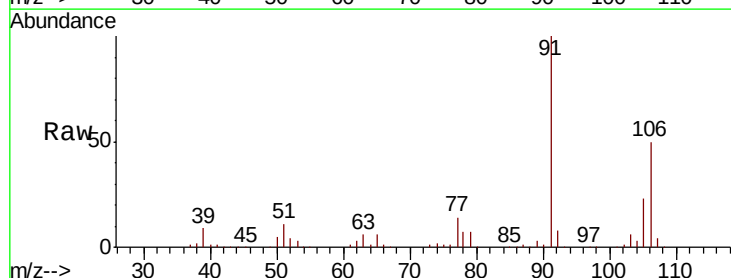
Instrument :
MSVOA_N
ClientSampled :
VN0701WBSD02

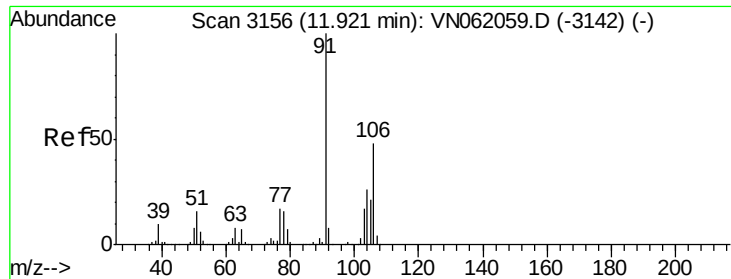
Tot Ion: 91 Resp: 241381
Ion Ratio Lower Upper
91 100
106 30.8 25.3 37.9



#68
m/p-Xylenes
Concen: 36.937 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 106 Resp: 182508
Ion Ratio Lower Upper
106 100
91 200.5 157.8 236.8

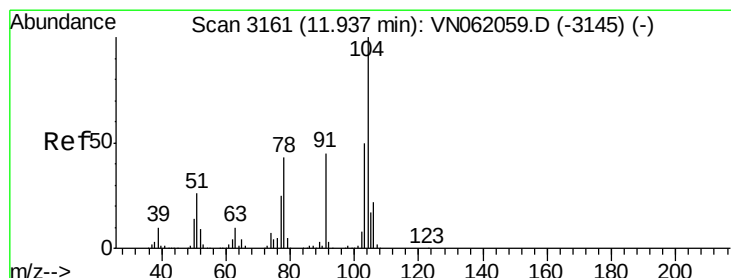
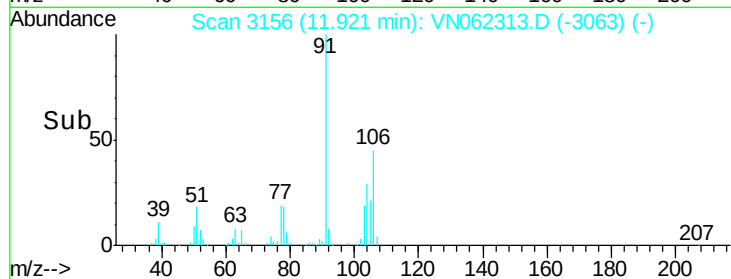
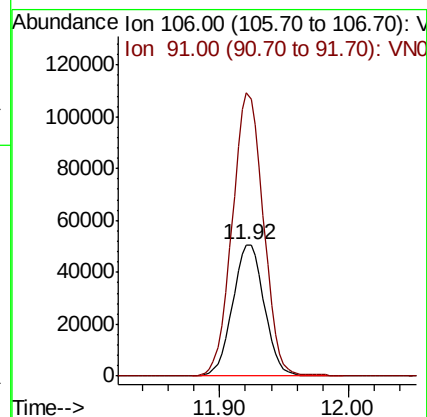
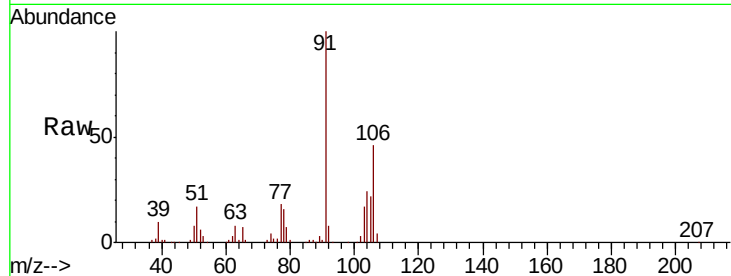




#69
o-Xylene
Concen: 18.493 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

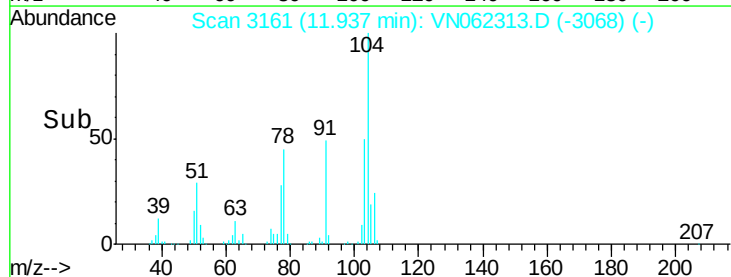
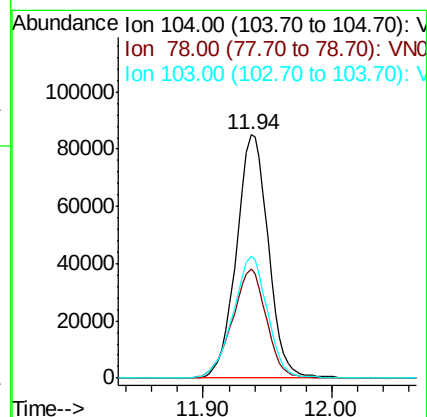
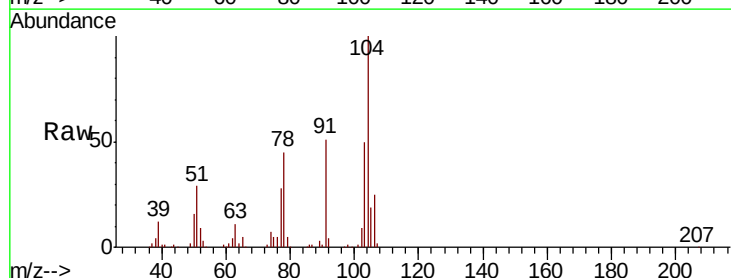
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

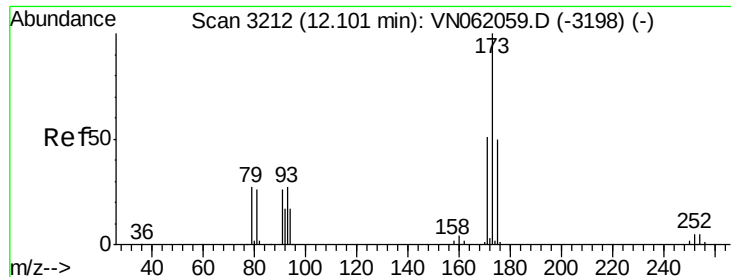
Tot Ion:106 Resp: 86212
Ion Ratio Lower Upper
106 100
91 211.9 104.0 311.9



#70
Styrene
Concen: 18.842 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion:104 Resp: 146493
Ion Ratio Lower Upper
104 100
78 47.9 37.7 56.5
103 53.8 43.0 64.6





#71

Bromoform

Concen: 17.527 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

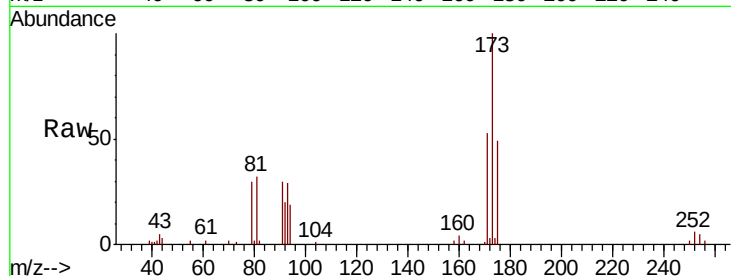
Tot Ion:173 Resp: 32594

Ion Ratio Lower Upper

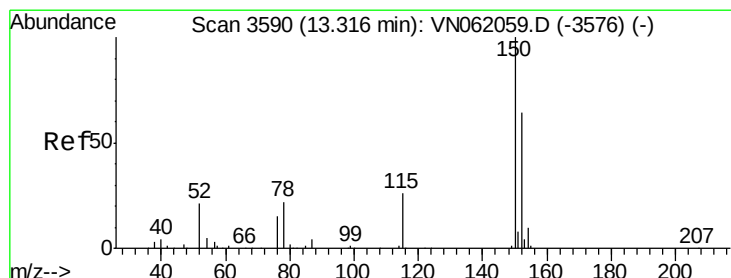
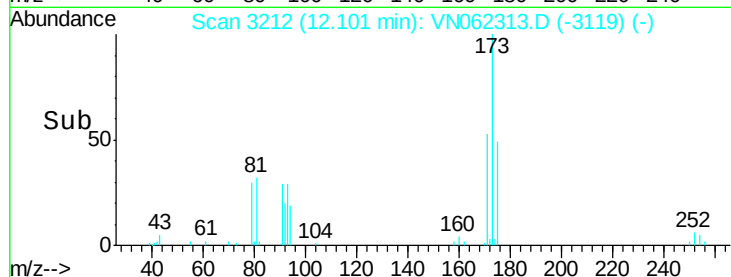
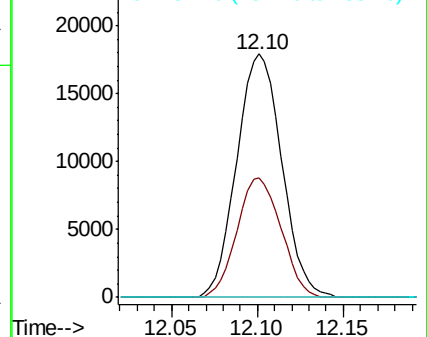
173 100

175 47.8 24.7 74.1

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

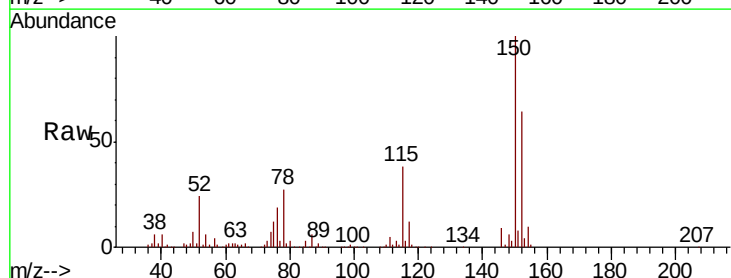
Tgt Ion:152 Resp: 149500

Ion Ratio Lower Upper

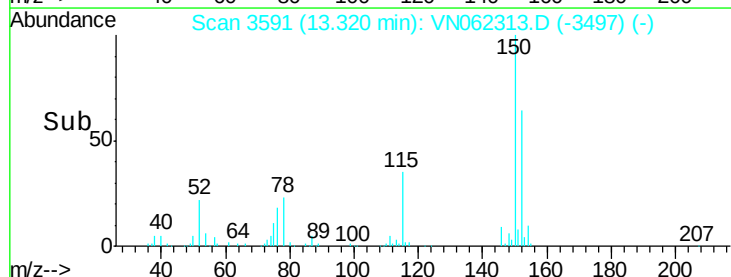
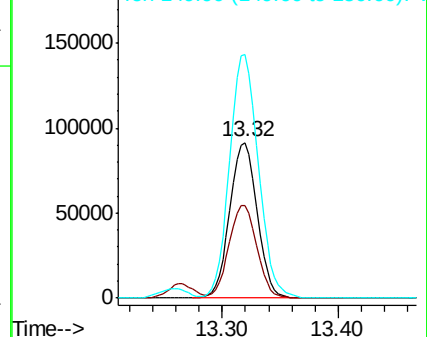
152 100

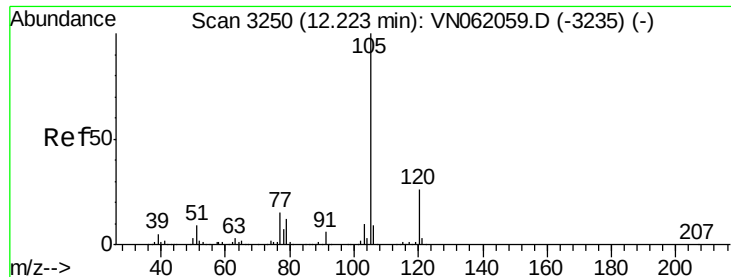
115 60.2 29.5 88.5

150 163.8 0.0 351.4



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





#73

Isopropylbenzene

Concen: 19.696 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

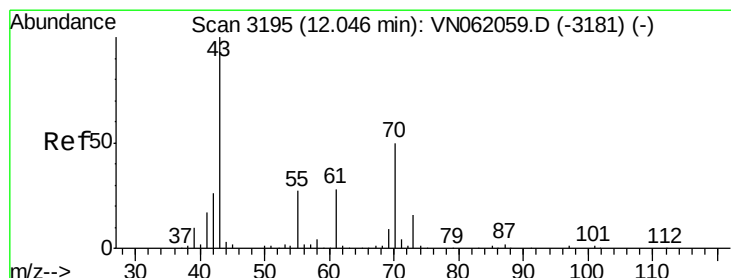
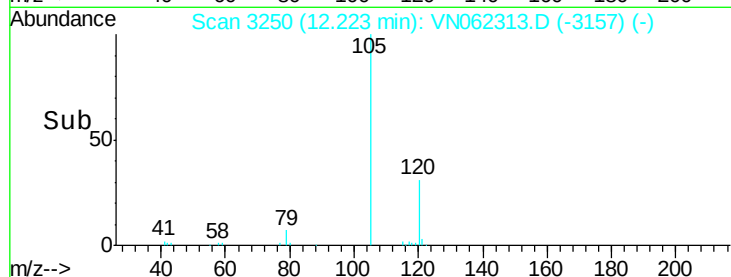
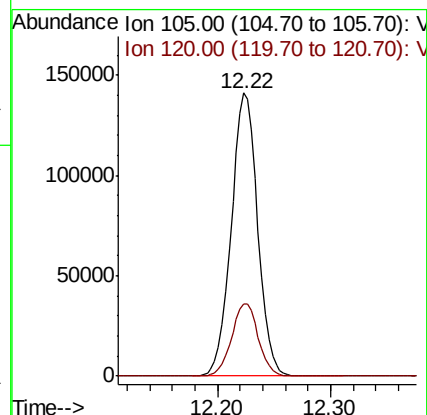
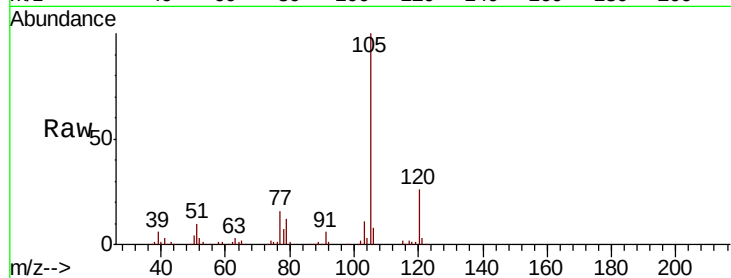
VN0701WBSD02

Tot Ion:105 Resp: 227931

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.6



#74

N-ethyl acetate

Concen: 21.294 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Tgt Ion: 43 Resp: 81949

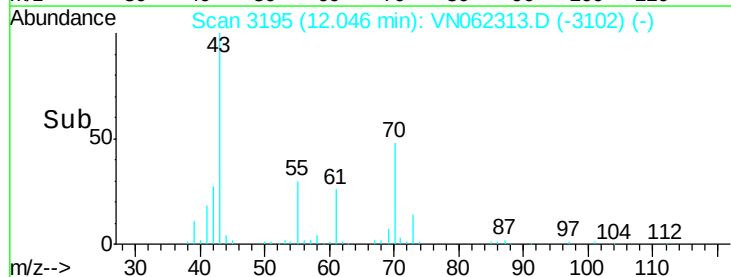
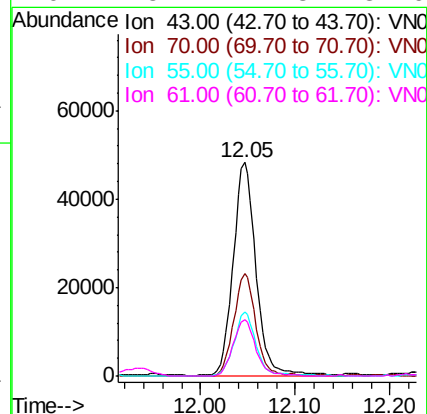
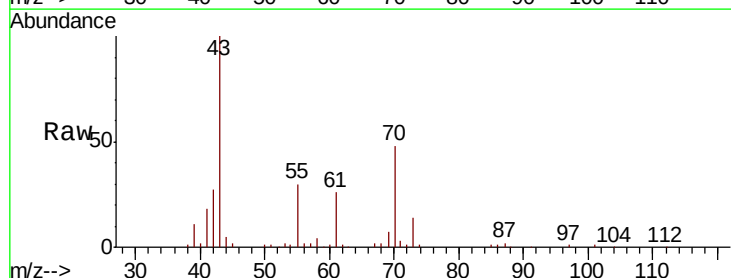
Ion Ratio Lower Upper

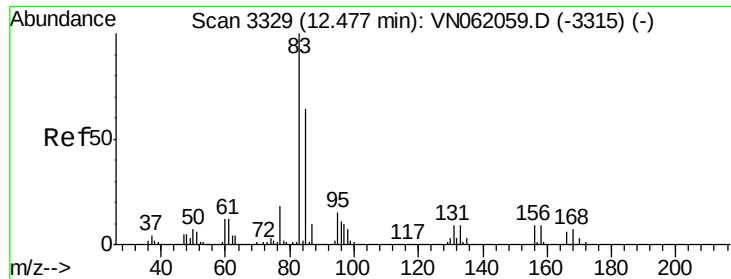
43 100

70 45.2 39.4 59.2

55 28.7 21.7 32.5

61 25.7 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.164 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

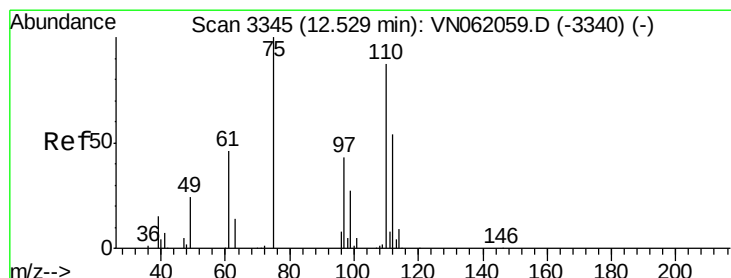
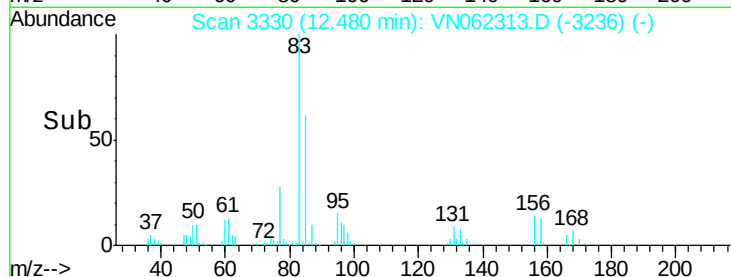
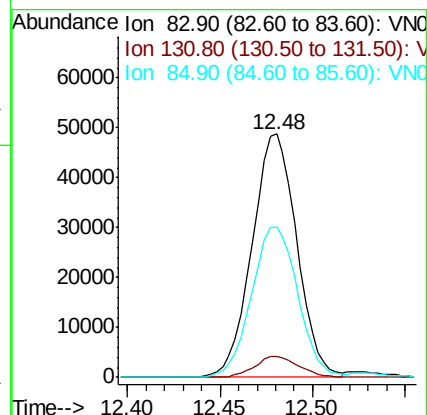
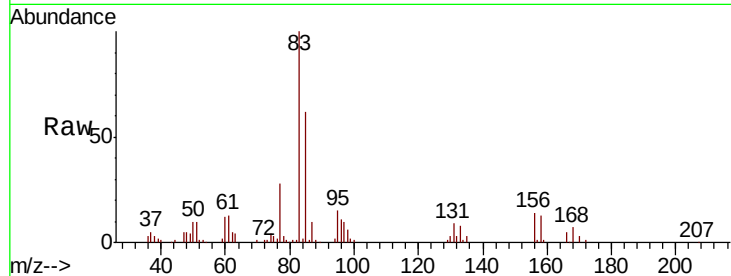
Tot Ion: 83 Resp: 81504

Ion Ratio Lower Upper

83 100

131 8.4 4.8 14.4

85 63.9 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 27.930 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062313.D

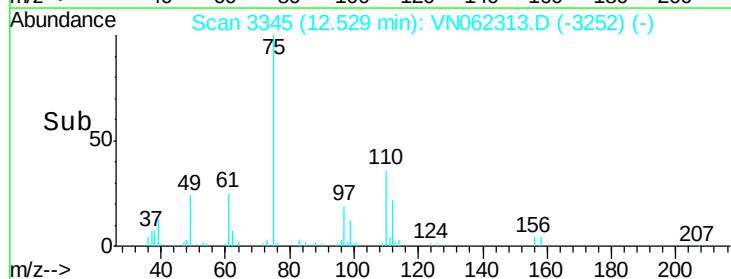
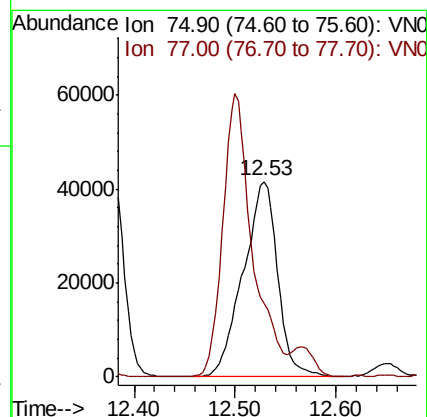
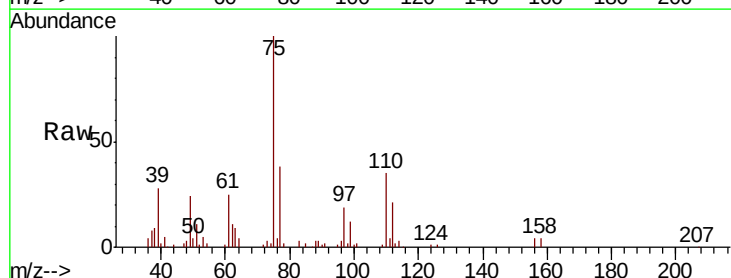
Acq: 2 Jul 2020 1:32

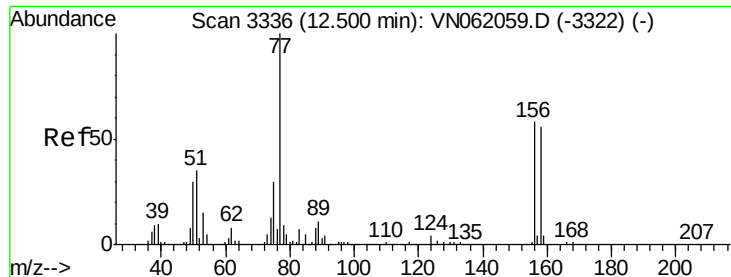
Tgt Ion: 75 Resp: 98294

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.635 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

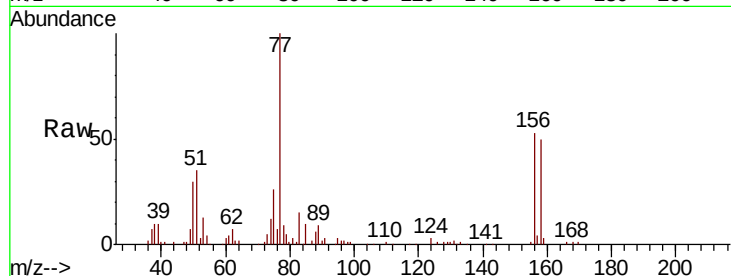
Tot Ion:156 Resp: 53539

Ion Ratio Lower Upper

156 100

77 232.1 104.6 313.8

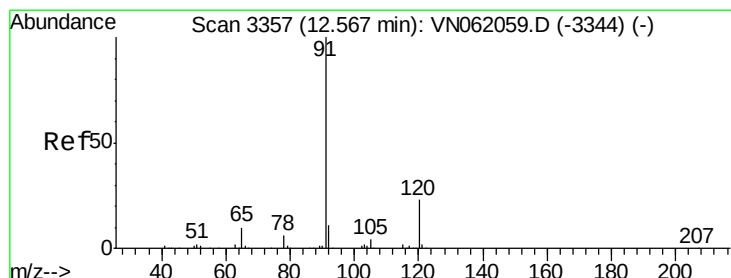
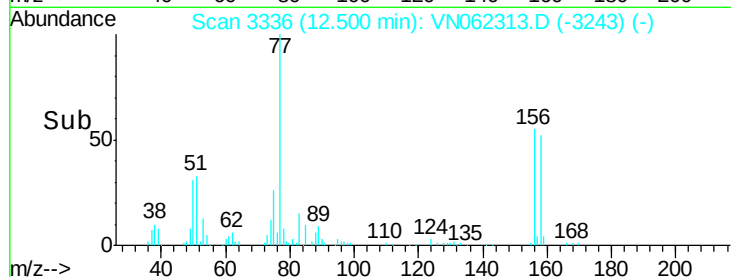
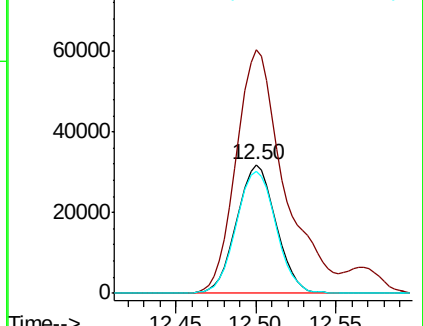
158 96.2 48.0 144.0



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: 19.752 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062313.D

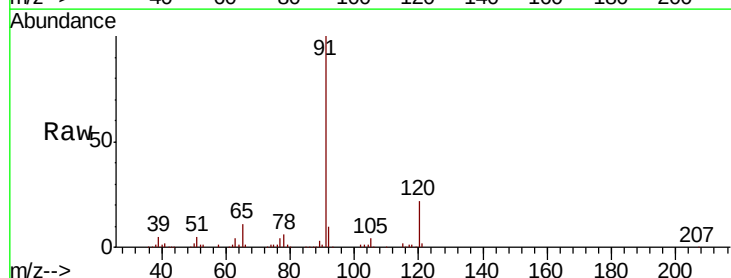
Acq: 2 Jul 2020 1:32

Tgt Ion: 91 Resp: 261464

Ion Ratio Lower Upper

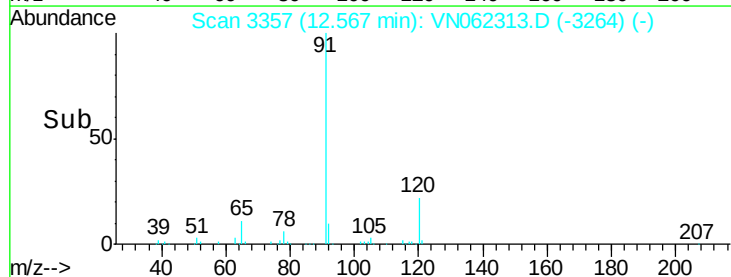
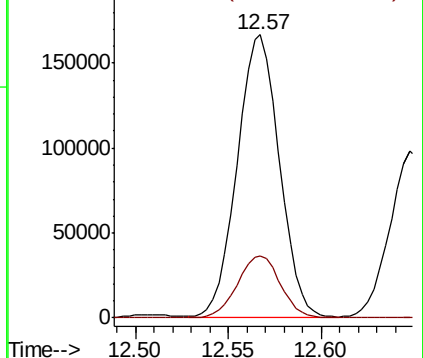
91 100

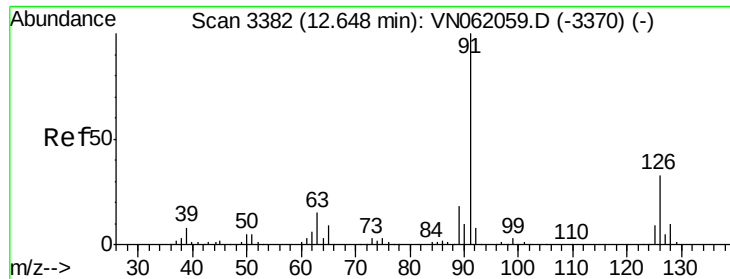
120 22.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.008 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

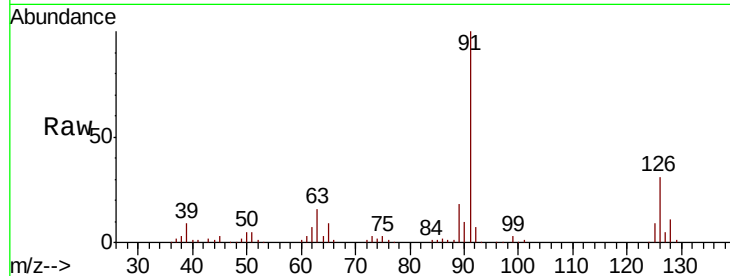
VN0701WBSD02

Tot Ion: 91 Resp: 160118

Ion Ratio Lower Upper

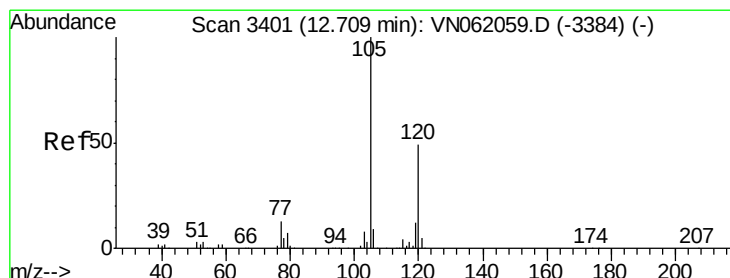
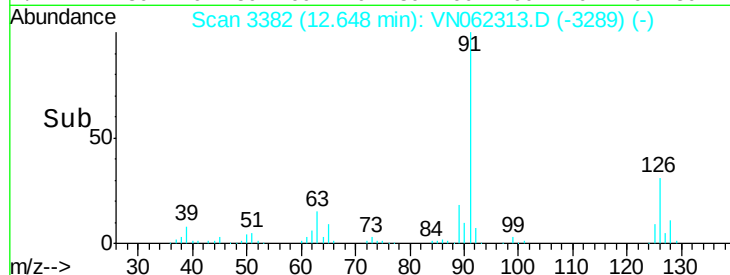
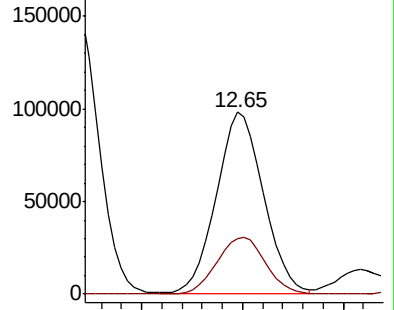
91 100

126 32.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN062313.D (-3289) (-)

Ion 125.90 (125.60 to 126.60): VN062313.D (-3289) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.083 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062313.D

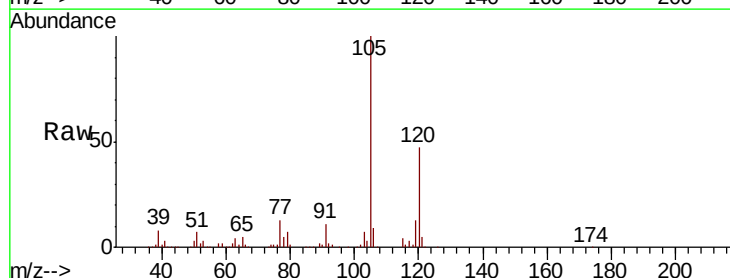
Acq: 2 Jul 2020 1:32

Tgt Ion: 105 Resp: 188406

Ion Ratio Lower Upper

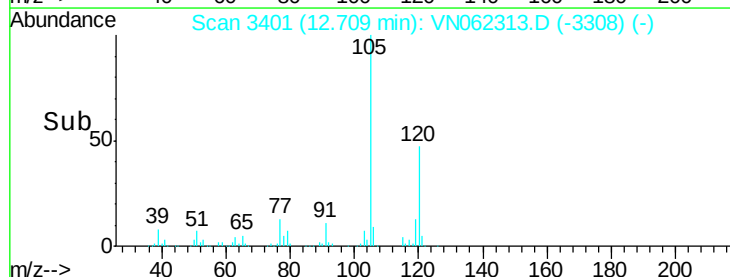
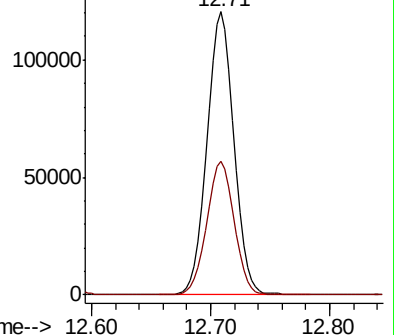
105 100

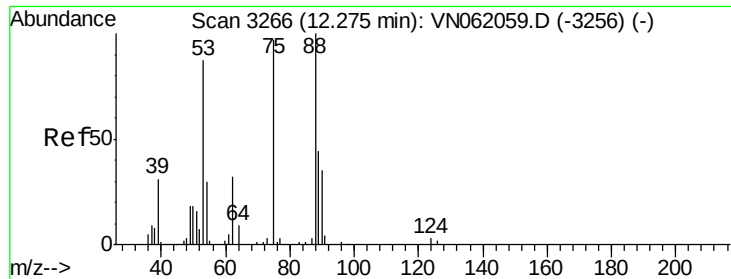
120 48.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062313.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062313.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.107 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

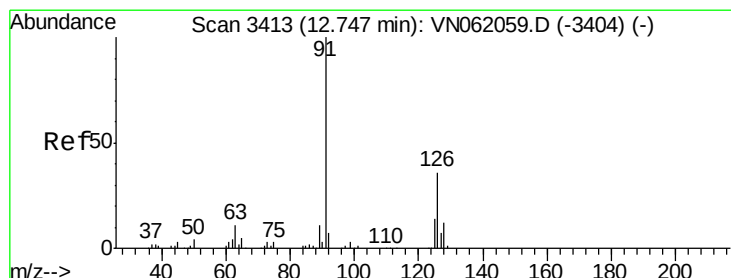
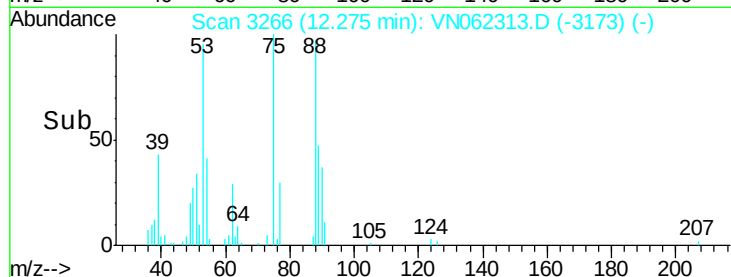
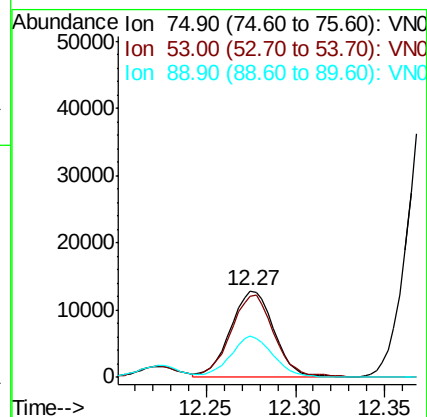
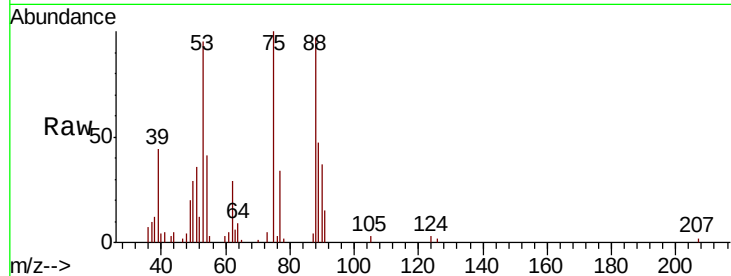
Tot Ion: 75 Resp: 21821

Ion Ratio Lower Upper

75 100

53 95.6 72.0 108.0

89 46.4 36.9 55.3



#82

4-Chlorotoluene

Concen: 19.808 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062313.D

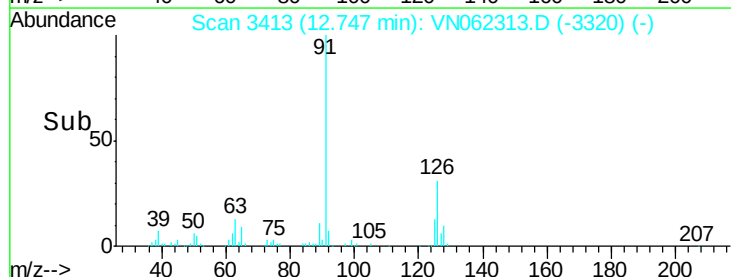
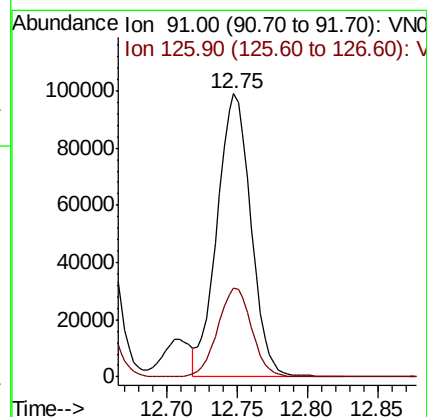
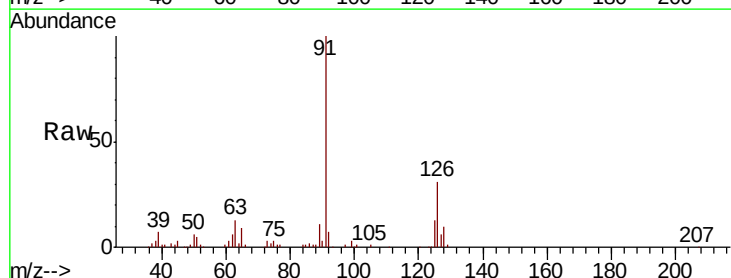
Acq: 2 Jul 2020 1:32

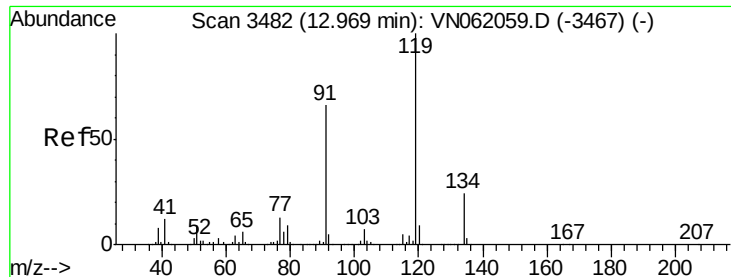
Tgt Ion: 91 Resp: 163917

Ion Ratio Lower Upper

91 100

126 31.8 16.7 50.1

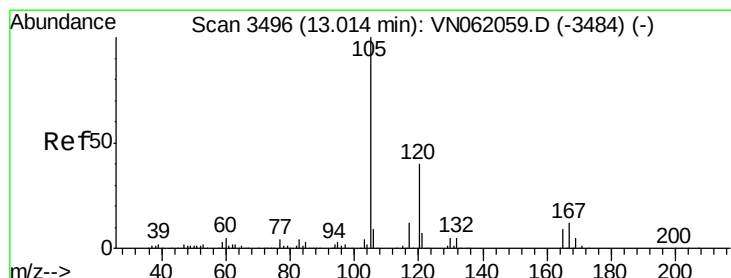
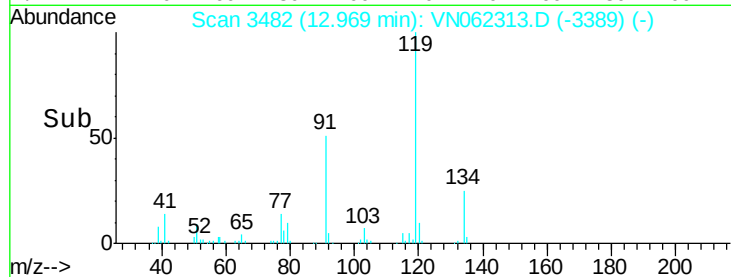
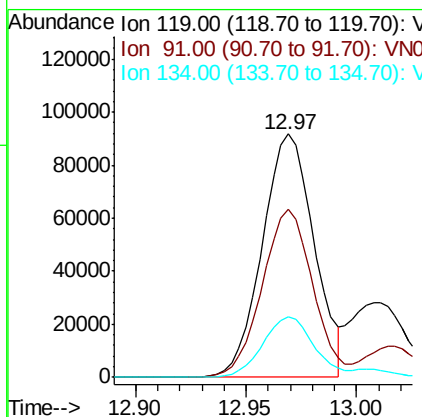
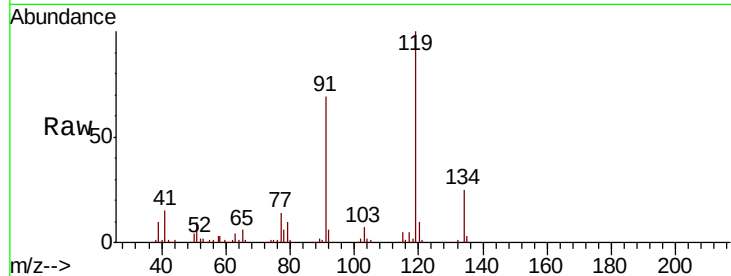




#83
 tert-Butylbenzene
 Concen: 18.589 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

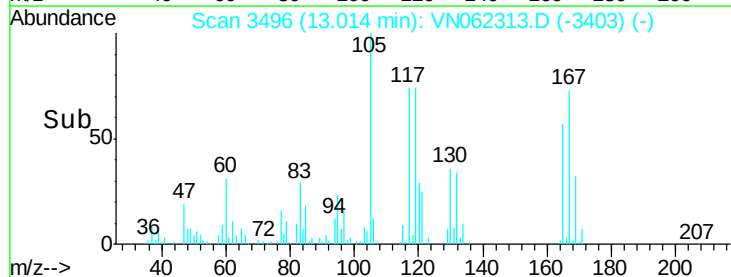
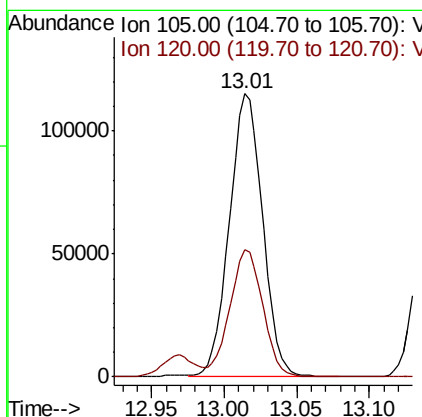
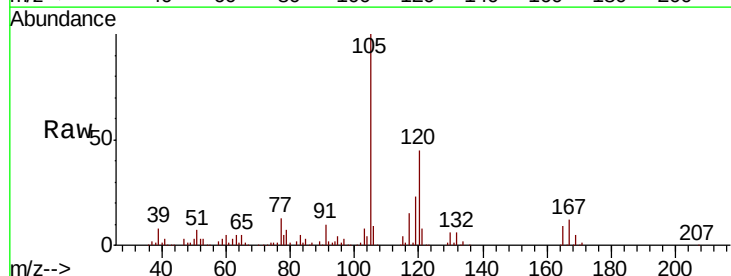
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

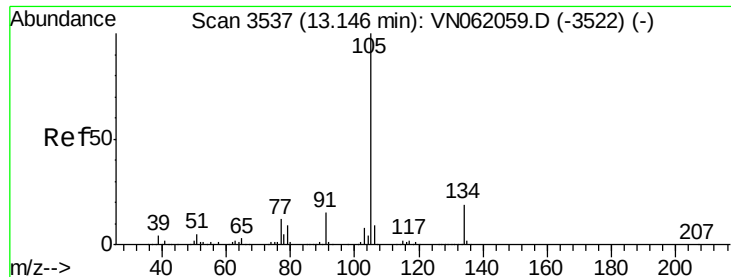
Tot Ion:119 Resp: 149246
 Ion Ratio Lower Upper
 119 100
 91 68.0 31.7 95.1
 134 24.9 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.389 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion:105 Resp: 181666
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.2 69.5

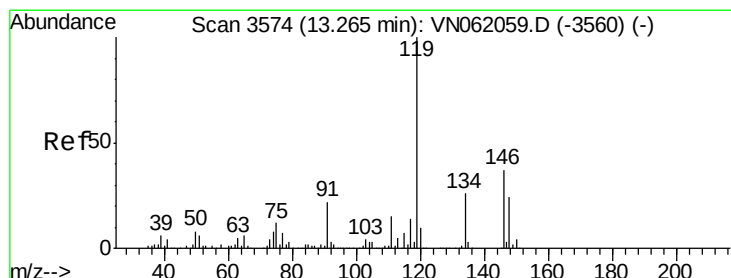
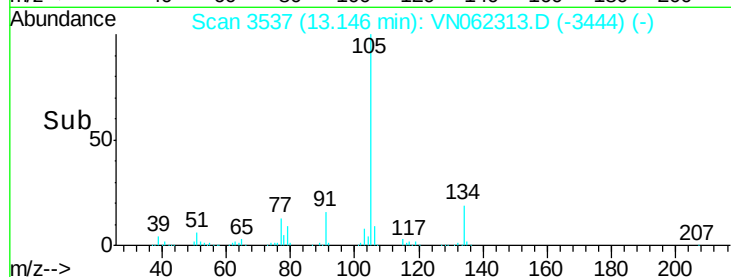
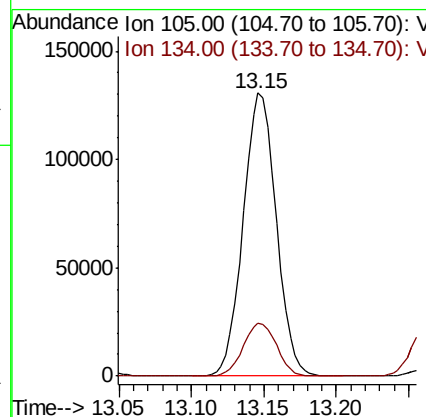
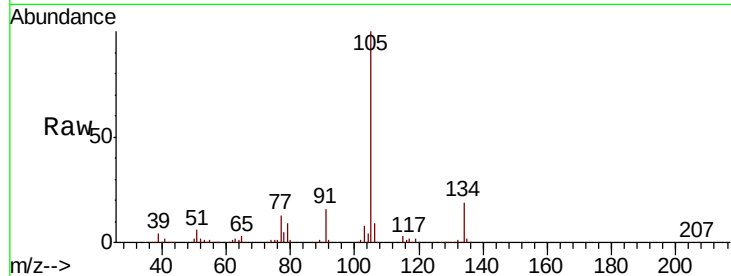




#85
 sec-Butylbenzene
 Concen: 19.475 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

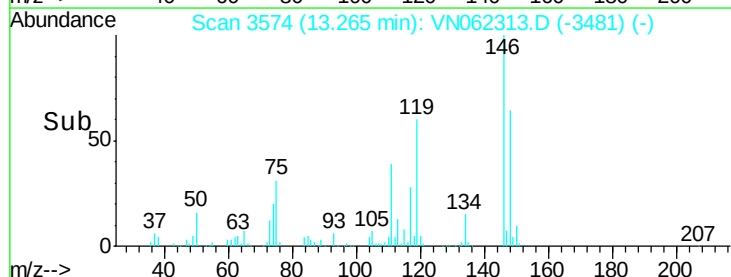
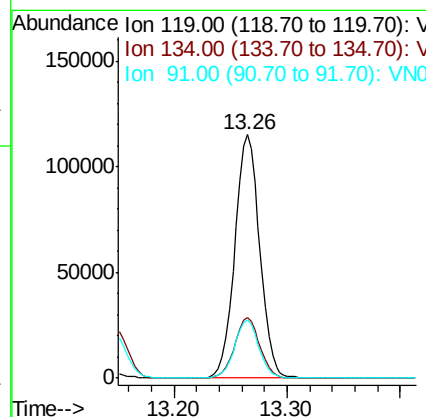
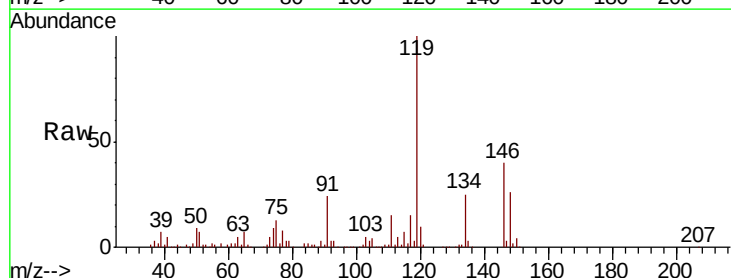
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

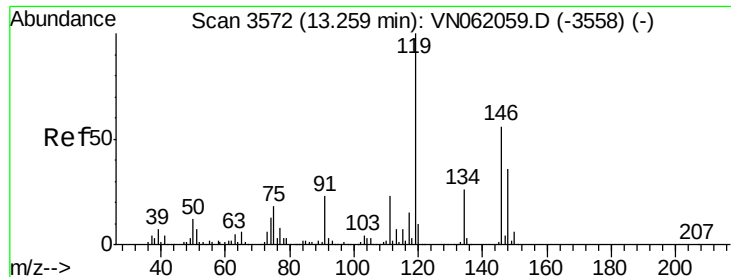
Tot Ion:105 Resp: 206605
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 18.917 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion:119 Resp: 175825
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 39.0
 91 23.6 11.3 33.8

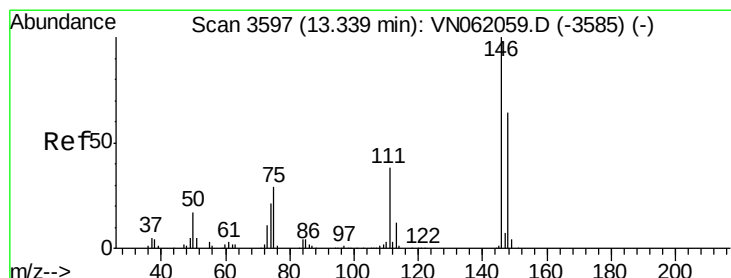
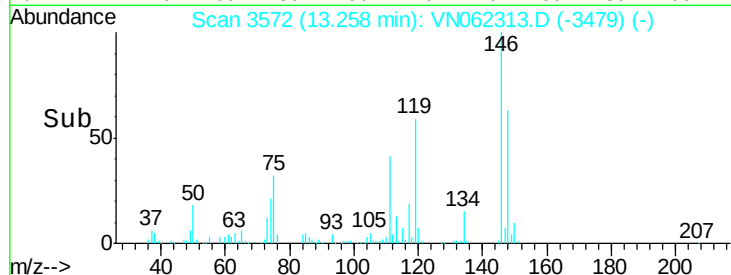
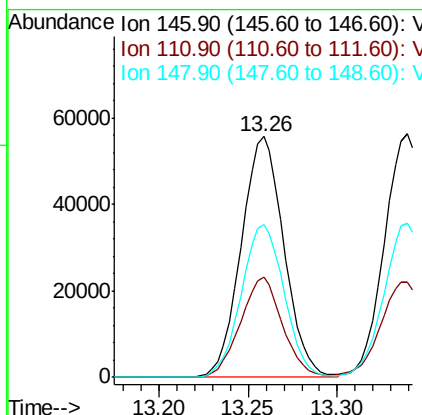
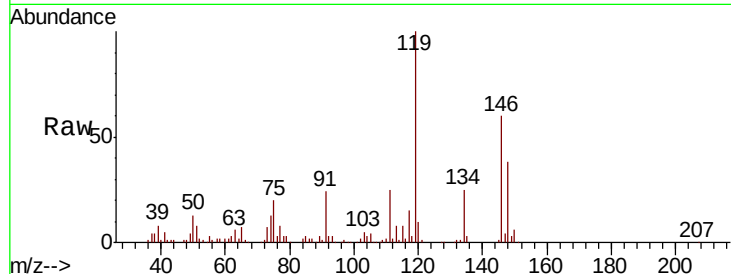




#87
 1,3-Dichlorobenzene
 Concen: 18.539 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

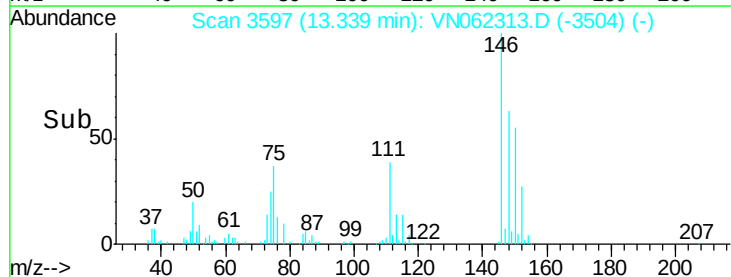
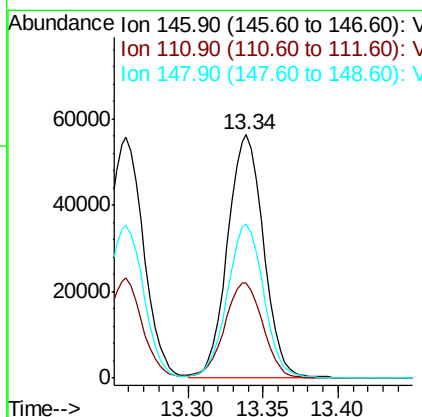
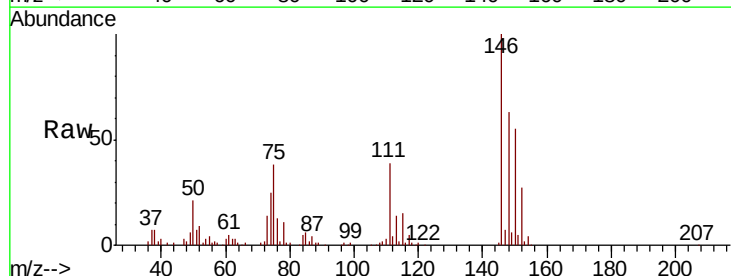
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

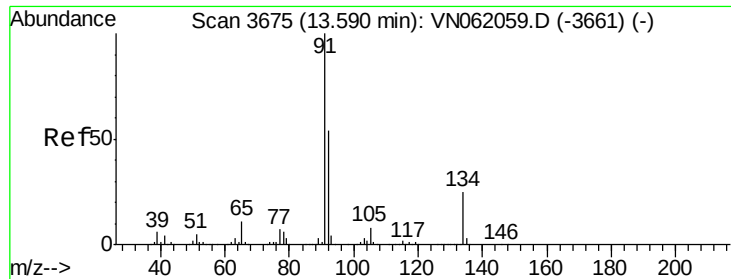
Tot Ion:146 Resp: 93533
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 61.0
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.071 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion:146 Resp: 93980
 Ion Ratio Lower Upper
 146 100
 111 42.2 19.9 59.6
 148 64.0 31.9 95.9

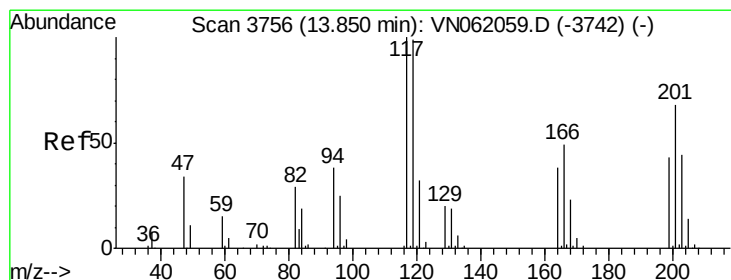
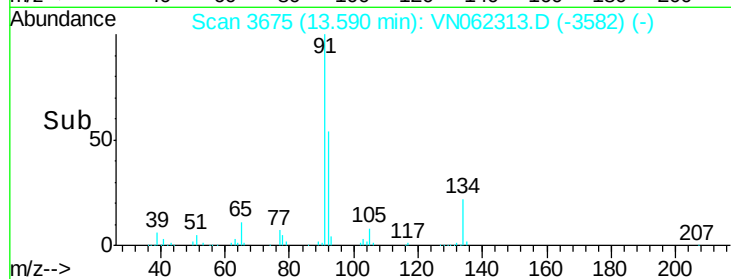
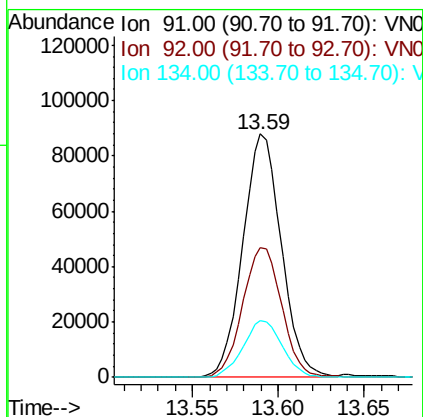
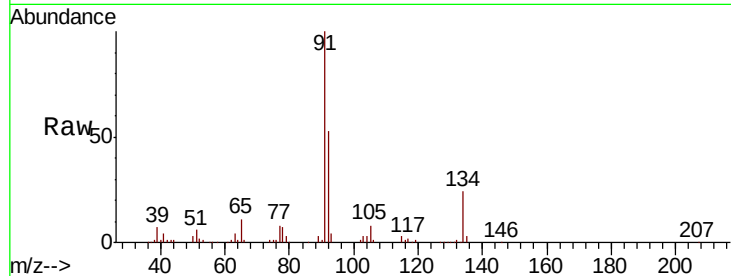




#89
n-Butylbenzene
Concen: 17.704 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

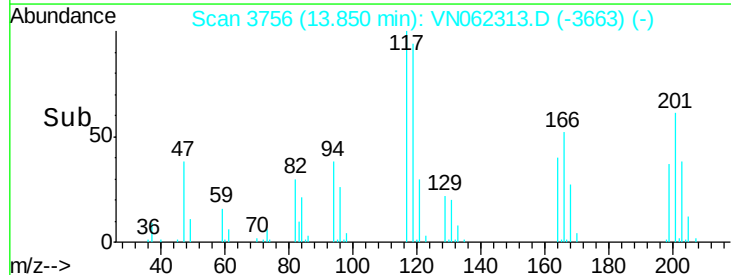
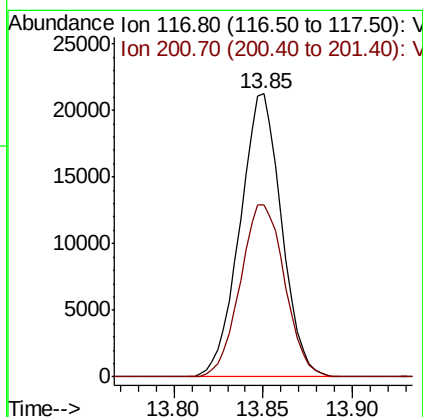
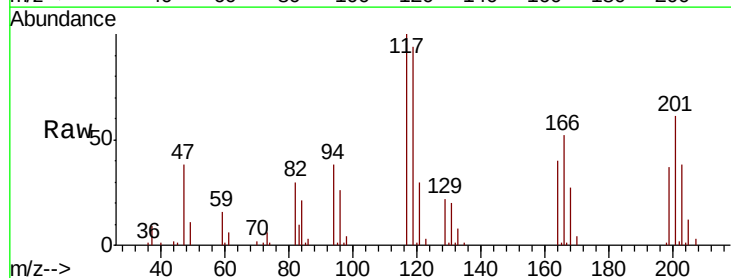
Instrument :
MSVOA_N
ClientSampleId :
VN0701WBSD02

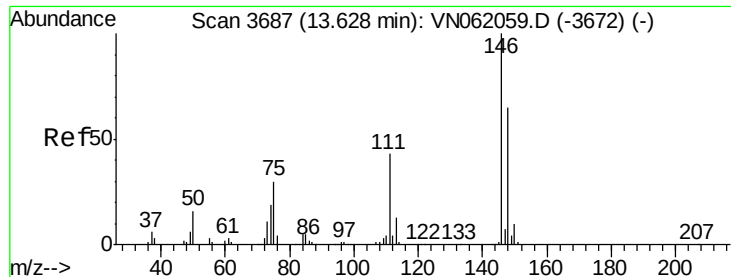
Tot Ion: 91 Resp: 136806
Ion Ratio Lower Upper
91 100
92 54.5 26.6 79.7
134 23.8 12.3 36.9



#90
Hexachloroethane
Concen: 18.938 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062313.D
Acq: 2 Jul 2020 1:32

Tgt Ion: 117 Resp: 34535
Ion Ratio Lower Upper
117 100
201 64.8 32.7 98.1

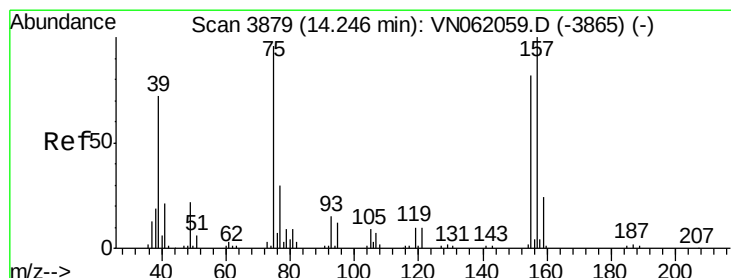
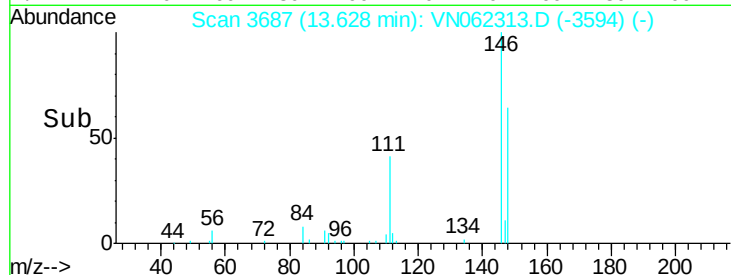
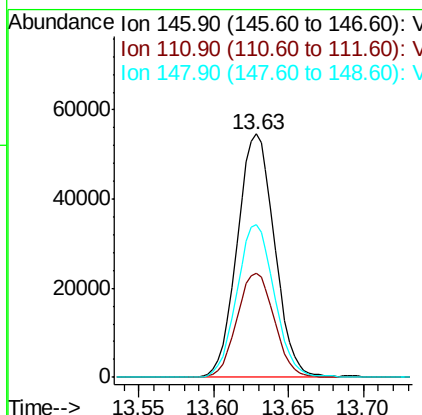
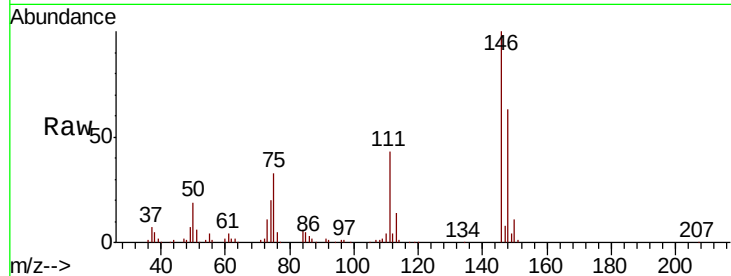




#91
 1,2-Dichlorobenzene
 Concen: 19.357 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

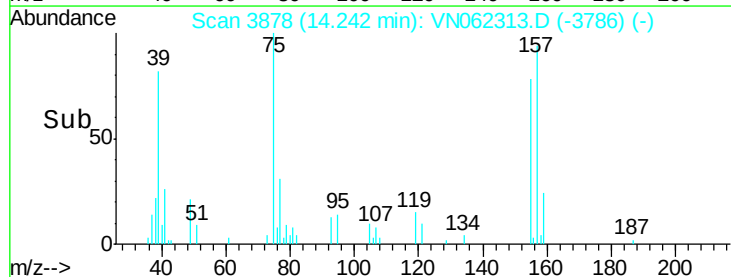
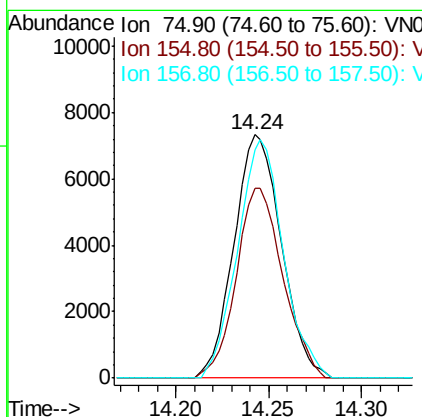
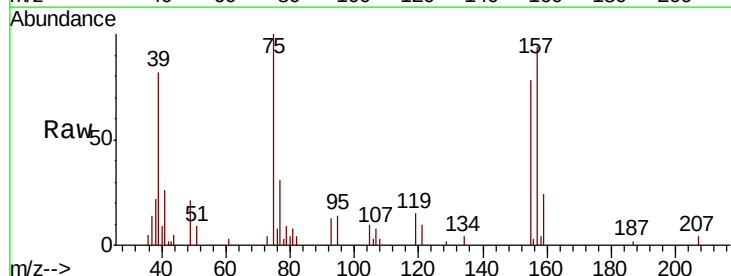
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

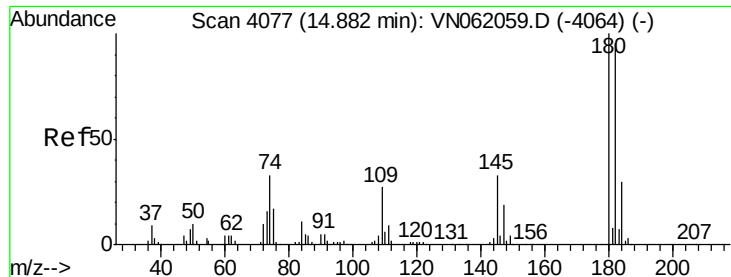
Tot Ion:146 Resp: 94699
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.2 63.6
 148 63.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.108 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion: 75 Resp: 13022
 Ion Ratio Lower Upper
 75 100
 155 76.9 40.8 122.4
 157 94.5 51.4 154.3

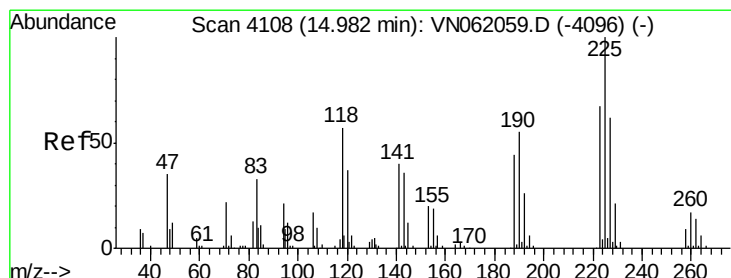
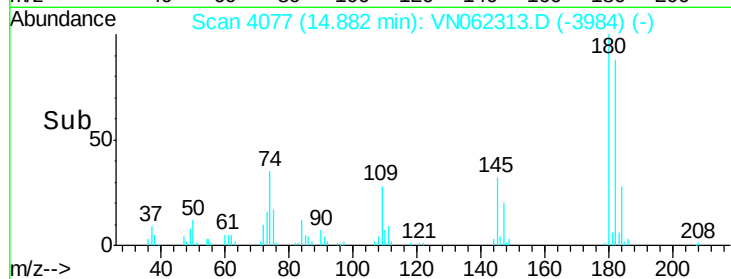
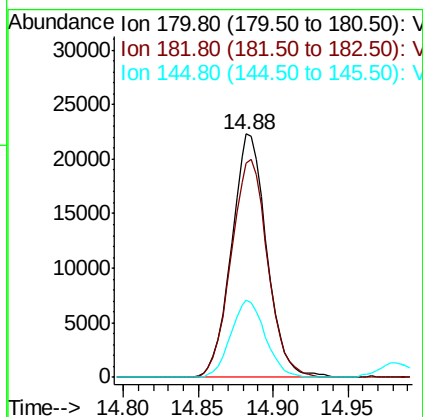
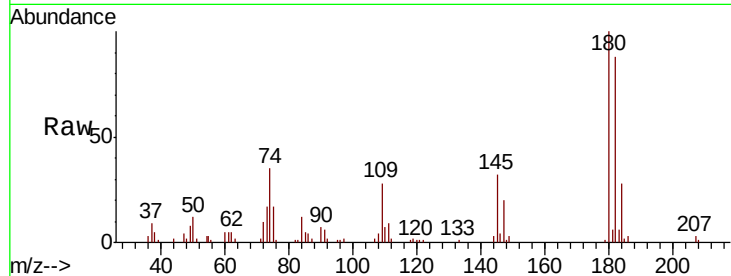




#93
 1,2,4-Trichlorobenzene
 Concen: 17.092 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

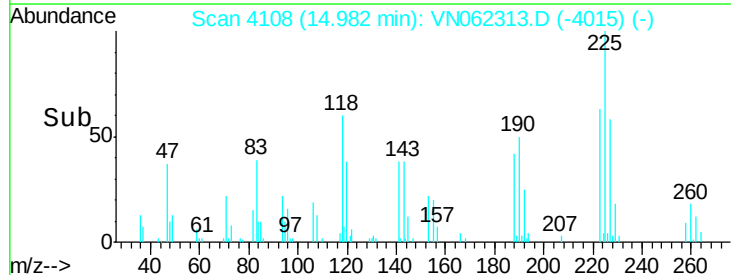
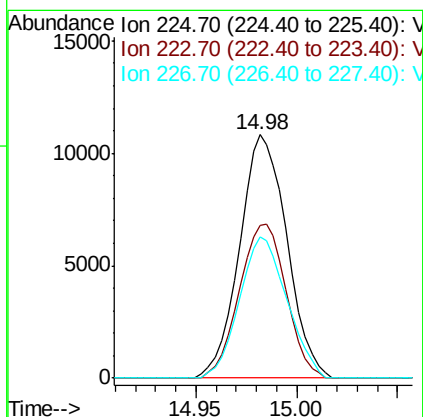
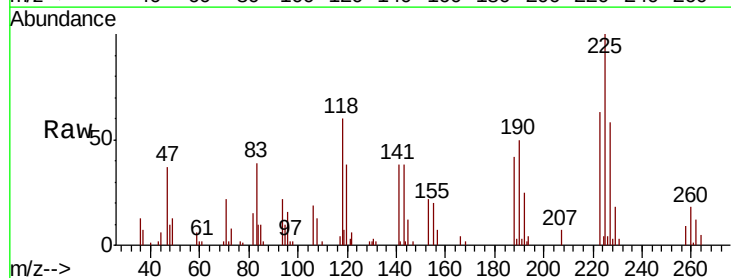
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBSD02

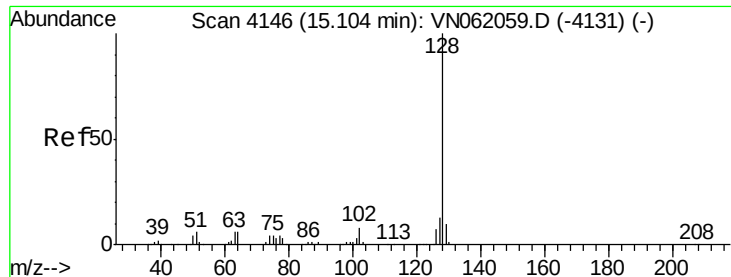
Tot Ion:180 Resp: 36530
 Ion Ratio Lower Upper
 180 100
 182 92.6 48.0 144.2
 145 31.0 16.0 48.0



#94
 Hexachlorobutadiene
 Concen: 19.113 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062313.D
 Acq: 2 Jul 2020 1:32

Tgt Ion:225 Resp: 17742
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.9 98.7
 227 58.1 31.3 93.8





#95

Naphthalene

Concen: 17.679 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBSD02

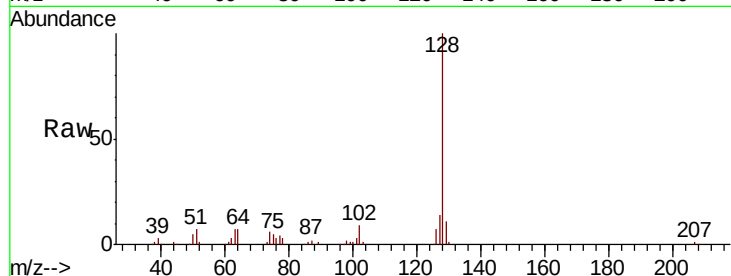
Tot Ion:128 Resp: 105981

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

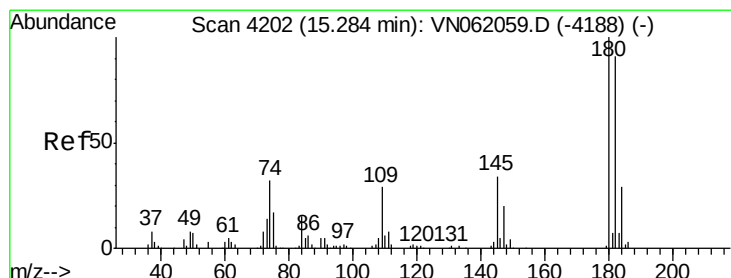
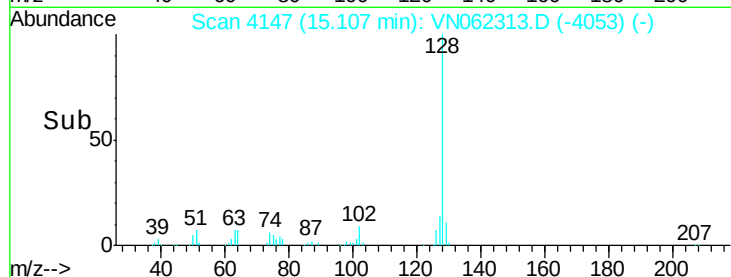
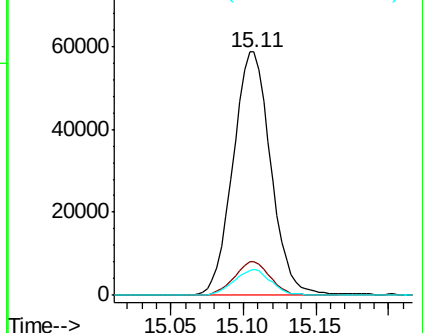
129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.700 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062313.D

Acq: 2 Jul 2020 1:32

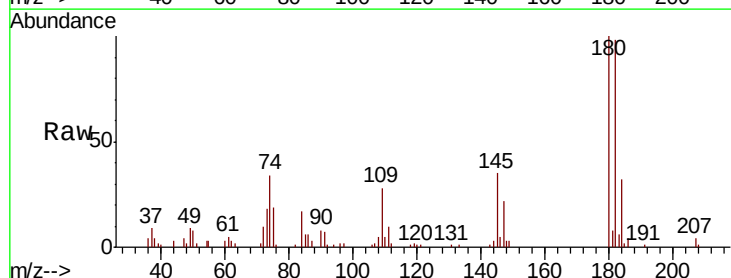
Tgt Ion:180 Resp: 38680

Ion Ratio Lower Upper

180 100

182 94.9 46.8 140.4

145 32.8 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

