

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062241.D
 Acq On : 30 Jun 2020 15:50
 Operator : JC/MD
 Sample : VN0630WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Quant Time: Jul 01 03:35:37 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	219207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162043	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	160568	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	7.55	113	123792	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	10.06	98	494856	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.38	95	162053	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	43777	17.668	ug/l	98
3) Chloromethane	2.03	50	58329	19.171	ug/l	98
4) Vinyl Chloride	2.16	62	68355	17.518	ug/l	94
5) Bromomethane	2.53	94	47616	18.882	ug/l	96
6) Chloroethane	2.67	64	47633	17.870	ug/l	99
7) Trichlorofluoromethane	2.98	101	83832	17.436	ug/l	99
8) Diethyl Ether	3.37	74	33751	20.103	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48672	19.331	ug/l	97
10) Methyl Iodide	3.91	142	55120	19.439	ug/l	99
11) Tert butyl alcohol	4.74	59	48051	108.793	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48308	19.192	ug/l	97
13) Acrolein	3.57	56	46636	107.847	ug/l	100
14) Allyl chloride	4.28	41	71422	20.842	ug/l	98
15) Acrylonitrile	4.93	53	131900	109.589	ug/l	98
16) Acetone	3.78	43	106386	107.876	ug/l	97
17) Carbon Disulfide	4.01	76	131935	18.332	ug/l	100
18) Methyl Acetate	4.28	43	54272	22.194	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	164095	20.402	ug/l	99
20) Methylene Chloride	4.50	84	59718	21.021	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	52899	18.448	ug/l	97
22) Diisopropyl ether	5.90	45	163575	20.964	ug/l	94
23) Vinyl Acetate	5.84	43	665301	104.435	ug/l	98
24) 1,1-Dichloroethane	5.80	63	101206	20.142	ug/l	99
25) 2-Butanone	6.79	43	160065	106.454	ug/l	98
26) 2,2-Dichloropropane	6.77	77	81643	19.499	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	61101	18.937	ug/l	98
28) Bromochloromethane	7.15	49	45785	21.002	ug/l	93
29) Tetrahydrofuran	7.17	42	108889	110.554	ug/l	97
30) Chloroform	7.33	83	101495	19.854	ug/l	96
31) Cyclohexane	7.61	56	84936	19.985	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	83776	19.433	ug/l	97
36) 1,1-Dichloropropene	7.75	75	73590	18.150	ug/l	97
37) Ethyl Acetate	6.88	43	70178	20.903	ug/l #	92
38) Carbon Tetrachloride	7.73	117	66903	17.502	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Quant Time: Jul 01 03:35:37 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	82003	18.459	ug/l	98
40) Benzene	8.00	78	231743	18.752	ug/l	99
41) Methacrylonitrile	7.13	41	27873	17.908	ug/l	92
42) 1,2-Dichloroethane	8.08	62	80467	19.272	ug/l	97
43) Isopropyl Acetate	8.13	43	109741	20.051	ug/l	98
44) Trichloroethene	8.80	130	55195	17.706	ug/l	99
45) 1,2-Dichloropropane	9.08	63	60599	19.876	ug/l	98
46) Dibromomethane	9.17	93	39473	19.096	ug/l	96
47) Bromodichloromethane	9.37	83	79714	19.099	ug/l	99
48) Methyl methacrylate	9.17	41	48636	19.819	ug/l	98
49) 1,4-Dioxane	9.17	88	21905	402.519	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	341003	106.641	ug/l	98
52) Toluene	10.12	92	142248	18.865	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	86658	18.872	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	93805	19.188	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	56997	19.230	ug/l	96
56) Ethyl methacrylate	10.40	69	79749	20.161	ug/l	99
57) 1,3-Dichloropropane	10.68	76	98484	19.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	141607	94.770	ug/l	98
59) 2-Hexanone	10.72	43	241681	104.667	ug/l	98
60) Dibromochloromethane	10.87	129	57739	18.400	ug/l	97
61) 1,2-Dibromoethane	10.98	107	56098	18.419	ug/l	99
64) Tetrachloroethene	10.60	164	43613	17.282	ug/l	97
65) Chlorobenzene	11.40	112	145600	17.946	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	52346	18.659	ug/l	99
67) Ethyl Benzene	11.48	91	257099	18.764	ug/l	99
68) m/p-Xylenes	11.60	106	198086	37.377	ug/l	100
69) o-Xylene	11.92	106	93268	18.652	ug/l	94
70) Styrene	11.94	104	152909	18.336	ug/l	98
71) Bromoform	12.10	173	36227	18.162	ug/l #	97
73) Isopropylbenzene	12.22	105	247766	19.753	ug/l	99
74) N-amyl acetate	12.04	43	88611	21.251	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	85748	20.543	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	104888	27.496	ug/l #	100
77) Bromobenzene	12.50	156	57599	18.496	ug/l	93
78) n-propylbenzene	12.56	91	288606	20.115	ug/l	99
79) 2-Chlorotoluene	12.65	91	173408	19.992	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	202632	19.928	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	25309	19.376	ug/l	93
82) 4-Chlorotoluene	12.75	91	178224	19.870	ug/l	99
83) tert-Butylbenzene	12.97	119	168385	19.350	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	201177	19.809	ug/l	99
85) sec-Butylbenzene	13.15	105	233712	20.325	ug/l	100
86) p-Isopropyltoluene	13.26	119	200850	19.937	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101654	18.589	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	99601	17.670	ug/l	98
89) n-Butylbenzene	13.59	91	160082	19.113	ug/l	99
90) Hexachloroethane	13.85	117	39159	19.812	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	99611	18.785	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14713	22.003	ug/l	91

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0630WBSD01

Quant Time: Jul 01 03:35:37 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

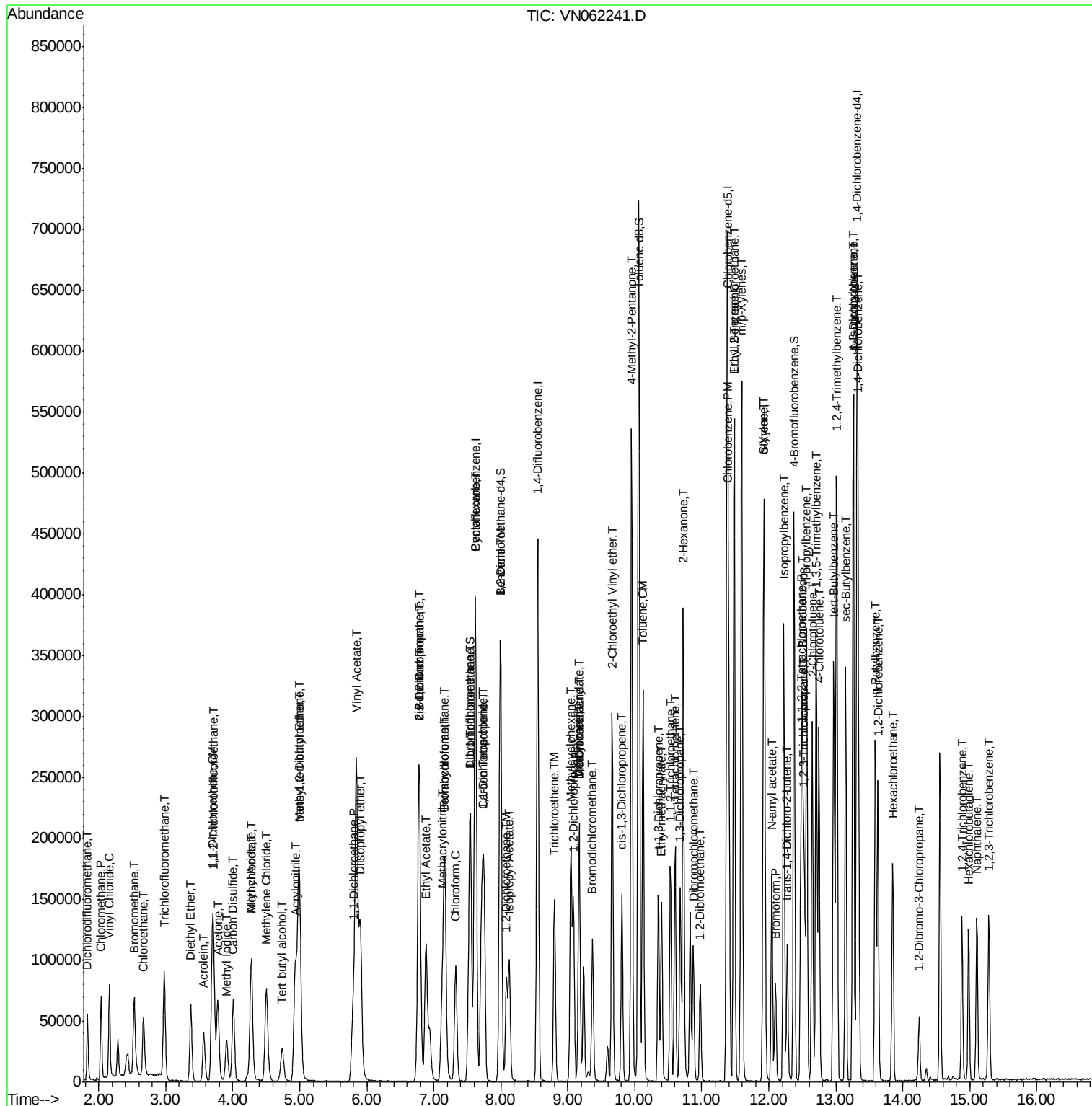
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	39822	17.190	ug/l	97
94) Hexachlorobutadiene	14.98	225	19897	19.776	ug/l	98
95) Naphthalene	15.10	128	115057	17.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	40894	17.265	ug/l	97

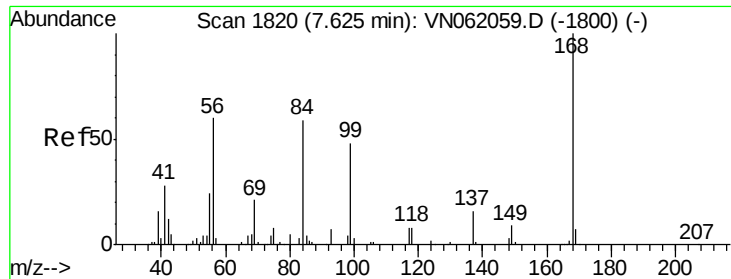
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062241.D
 Acq On : 30 Jun 2020 15:50
 Operator : JC/MD
 Sample : VN0630WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Quant Time: Jul 01 03:35:37 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

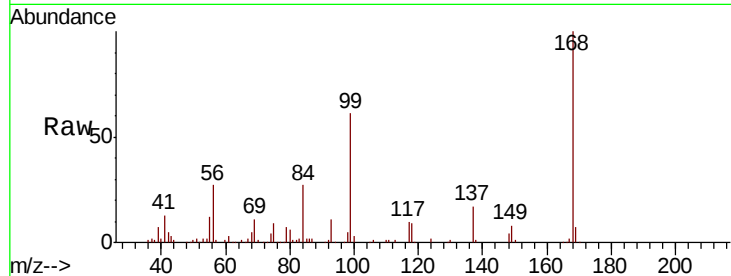
VN0630WBSD01

Tot Ion:168 Resp: 219207

Ion Ratio Lower Upper

168 100

99 60.7 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

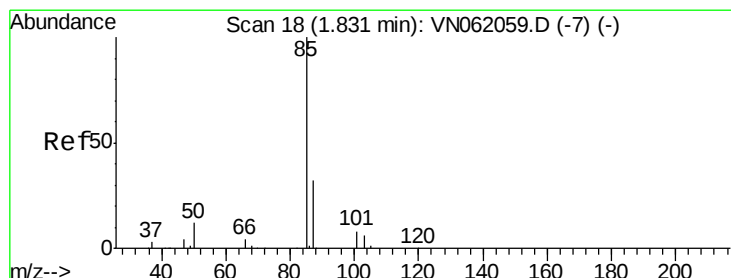
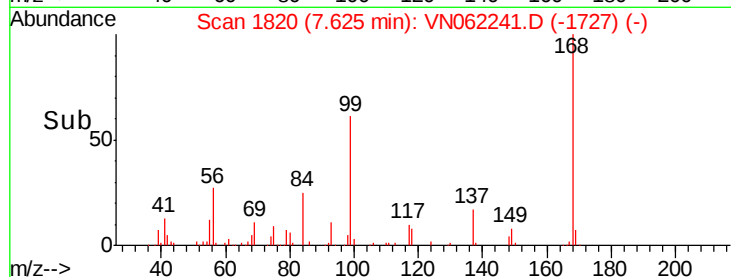
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.668 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062241.D

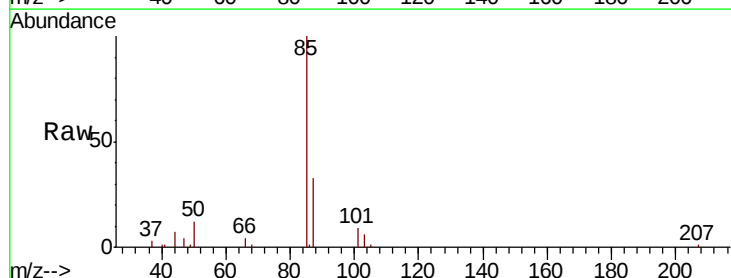
Acq: 30 Jun 2020 15:50

Tgt Ion: 85 Resp: 43777

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

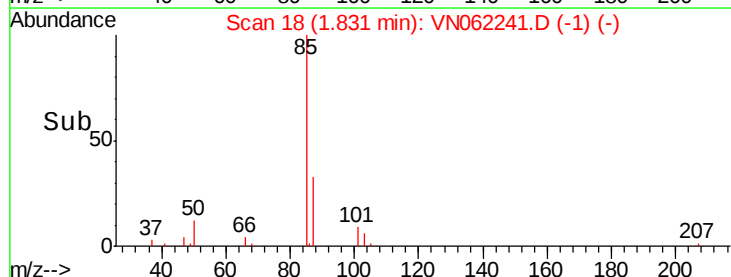
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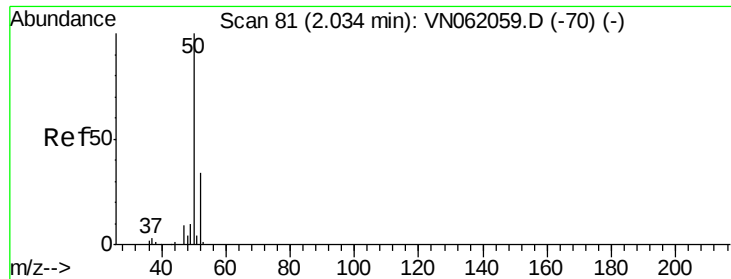
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Time-->

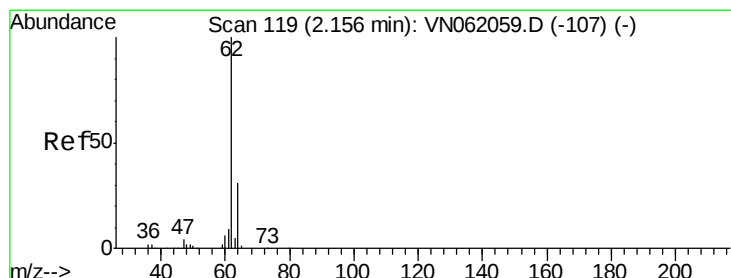
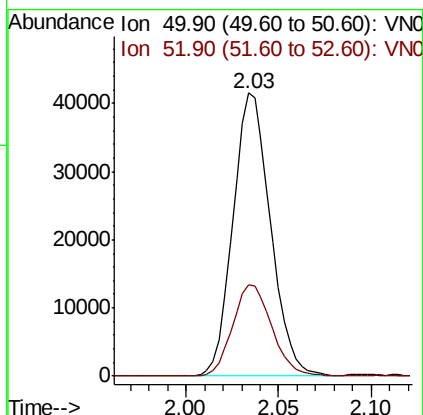
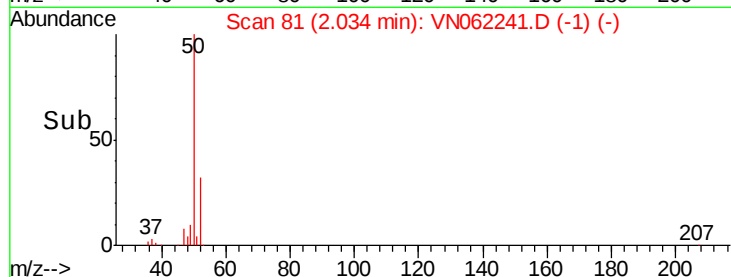
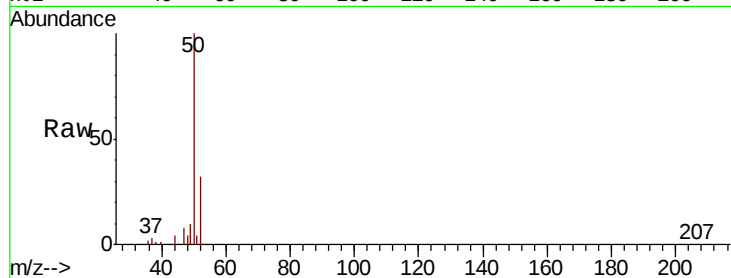




#3
Chloromethane
Concen: 19.171 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

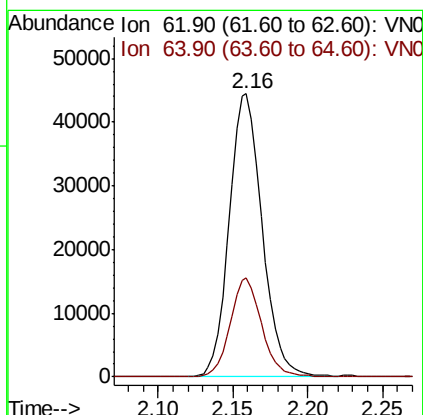
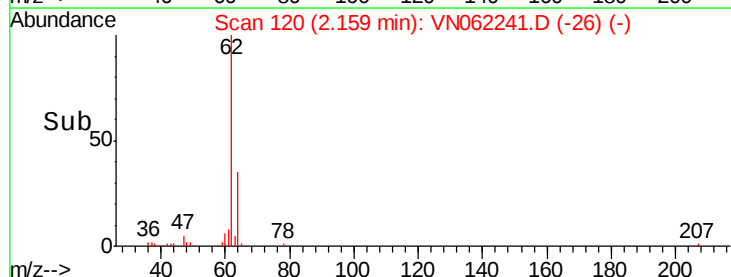
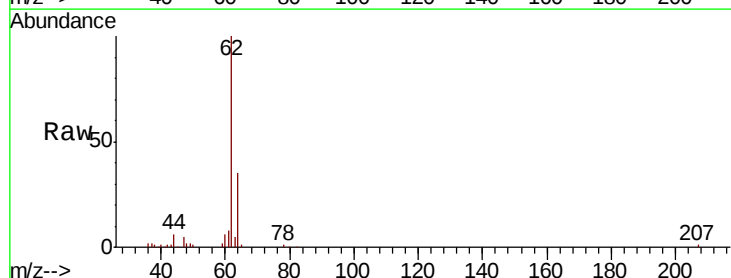
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

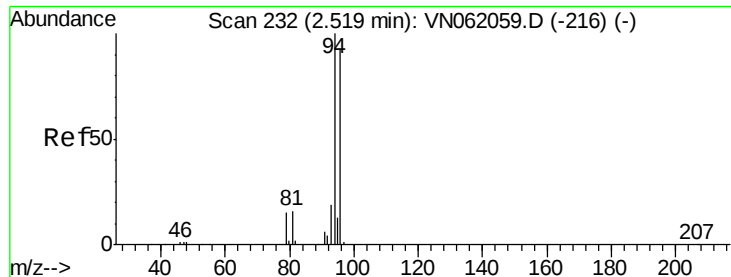
Tot Ion: 50 Resp: 58329
Ion Ratio Lower Upper
50 100
52 32.5 27.0 40.6



#4
Vinyl Chloride
Concen: 17.518 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 62 Resp: 68355
Ion Ratio Lower Upper
62 100
64 34.9 25.1 37.7





#5

Bromomethane

Concen: 18.882 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

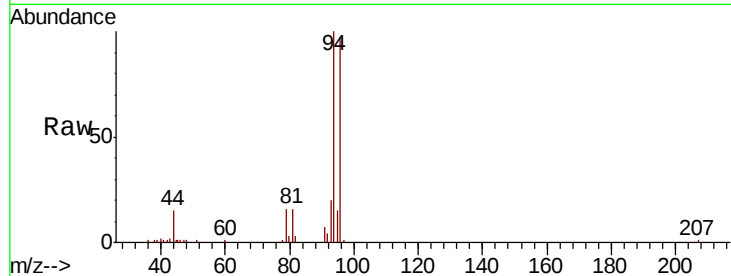
VN0630WBSD01

Tot Ion: 94 Resp: 47616

Ion Ratio Lower Upper

94 100

96 95.9 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN062059.D (-216) (-)

Ion 95.90 (95.60 to 96.60): VN062059.D (-216) (-)

2.53

25000

20000

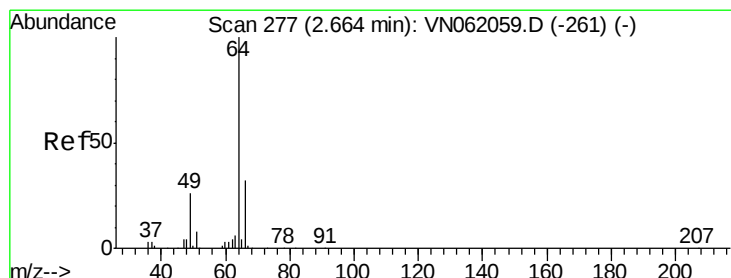
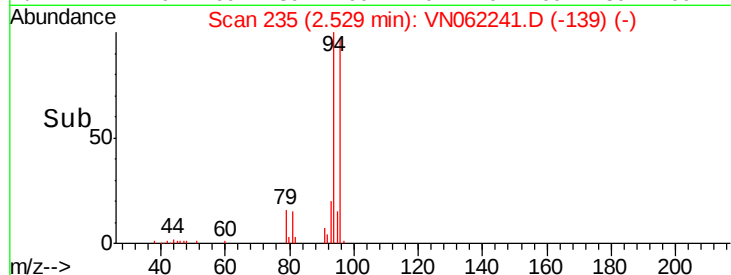
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.870 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062241.D

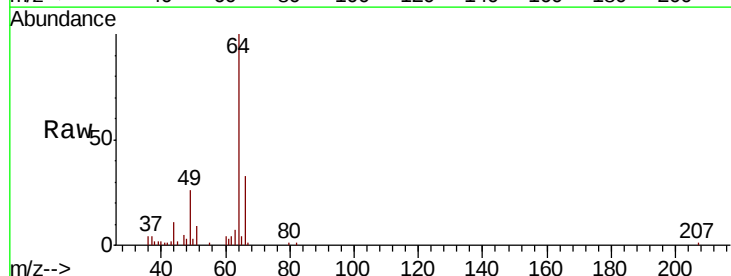
Acq: 30 Jun 2020 15:50

Tgt Ion: 64 Resp: 47633

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN062059.D (-261) (-)

Ion 65.90 (65.60 to 66.60): VN062059.D (-261) (-)

2.67

25000

20000

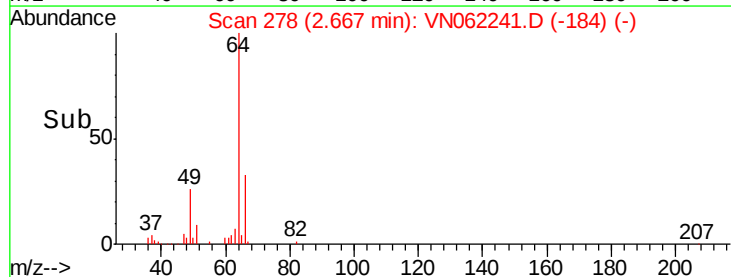
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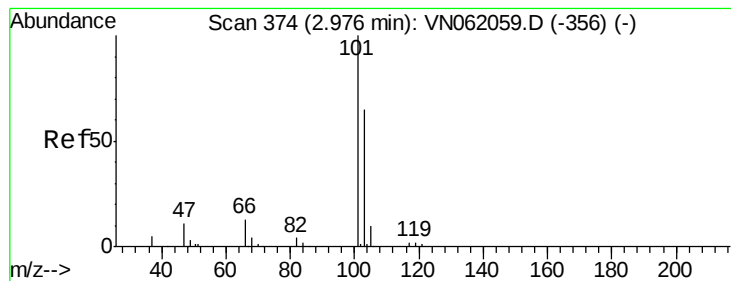
10000

5000

0

Time-->



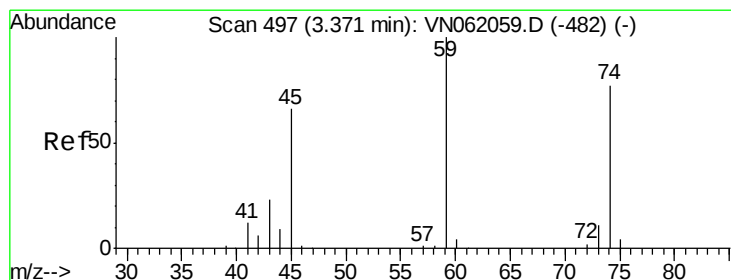
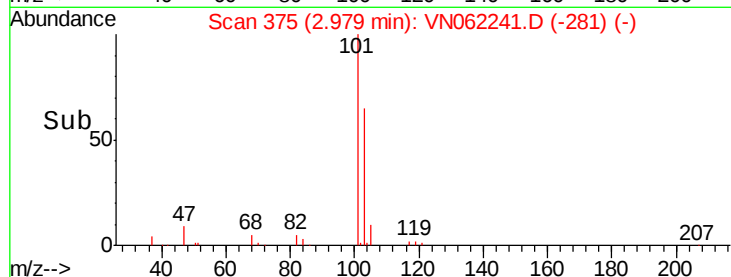
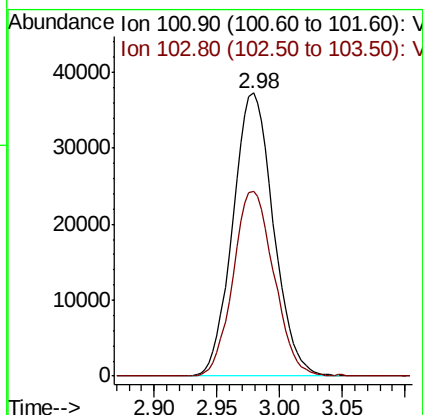
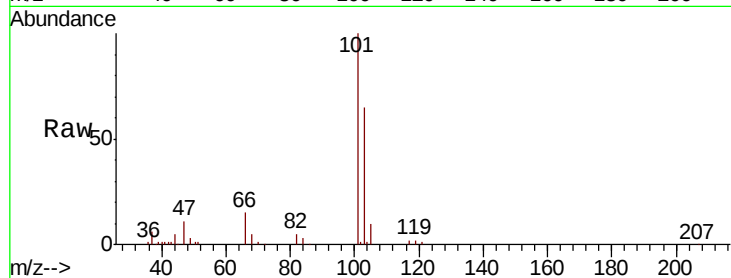


#7

Trichlorofluoromethane
Concen: 17.436 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

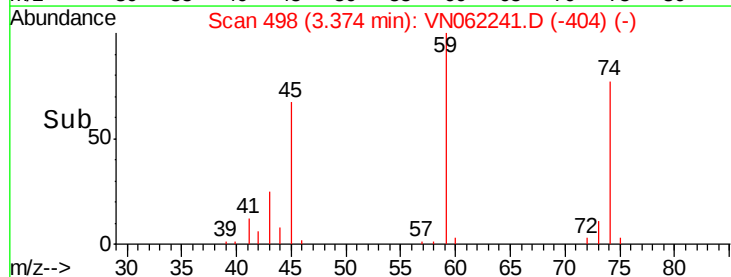
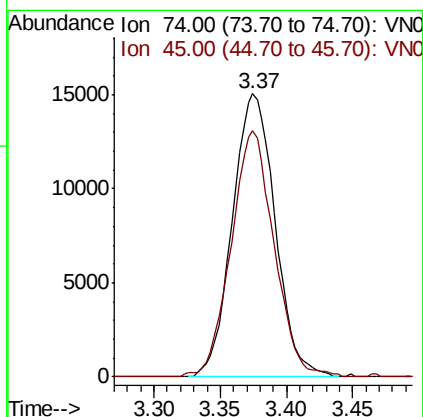
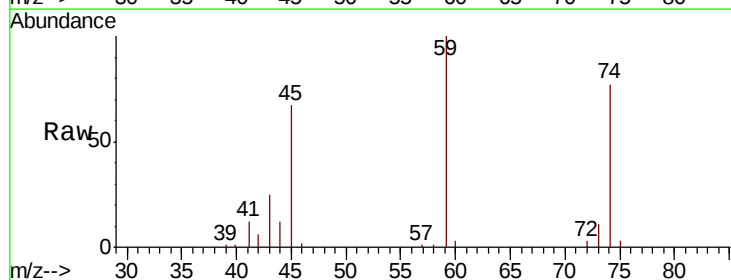
Tot Ion:101 Resp: 83832
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6

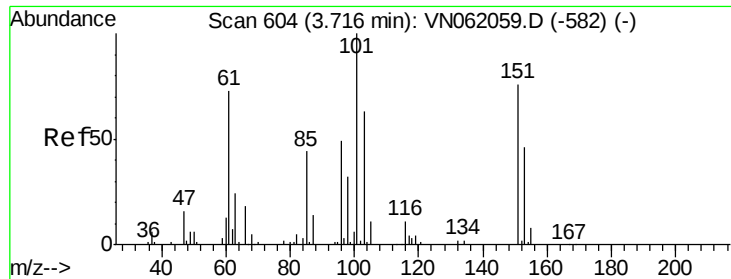


#8

Diethyl Ether
Concen: 20.103 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 74 Resp: 33751
Ion Ratio Lower Upper
74 100
45 87.5 42.5 127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.331 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

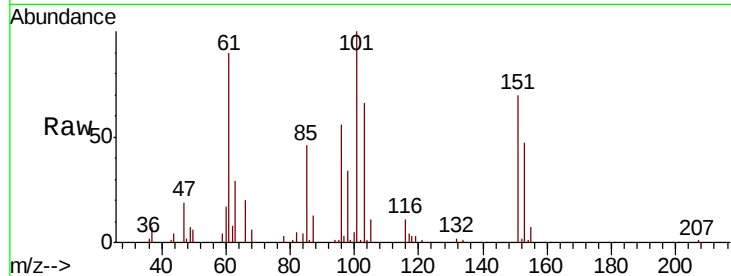
Tot Ion:101 Resp: 48672

Ion Ratio Lower Upper

101 100

85 44.0 34.5 51.7

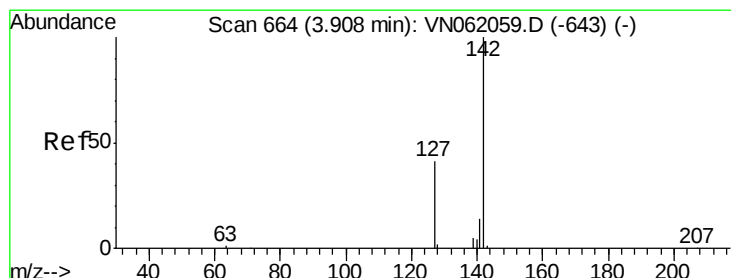
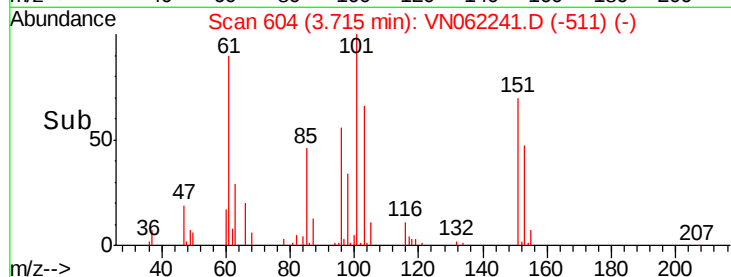
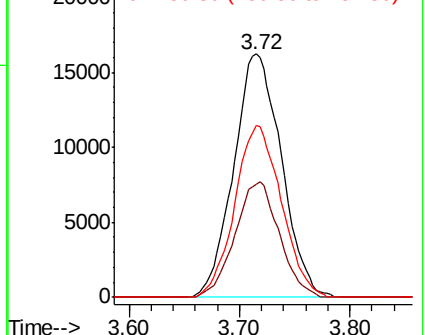
151 68.8 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.439 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

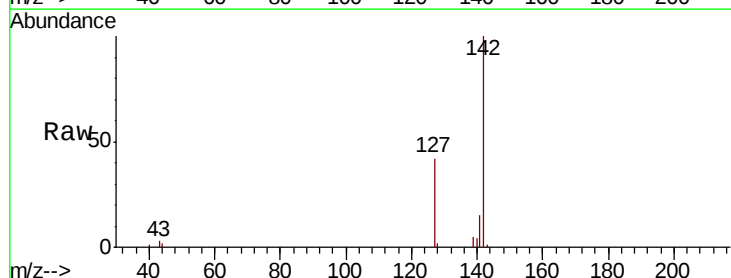
Tgt Ion:142 Resp: 55120

Ion Ratio Lower Upper

142 100

127 42.8 33.6 50.4

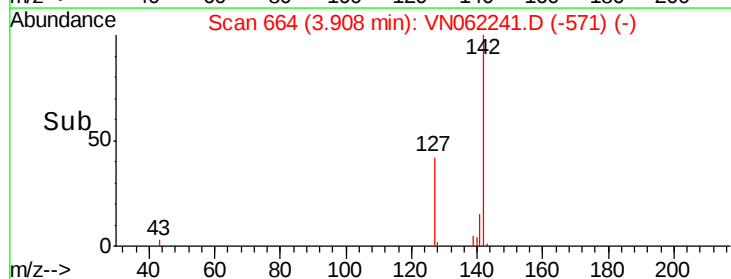
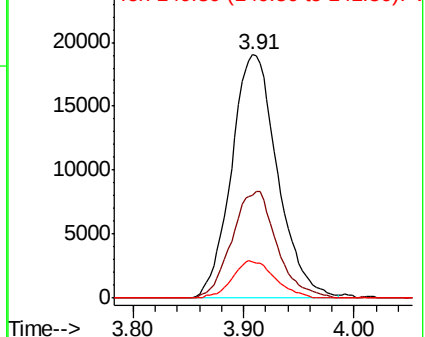
141 14.2 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



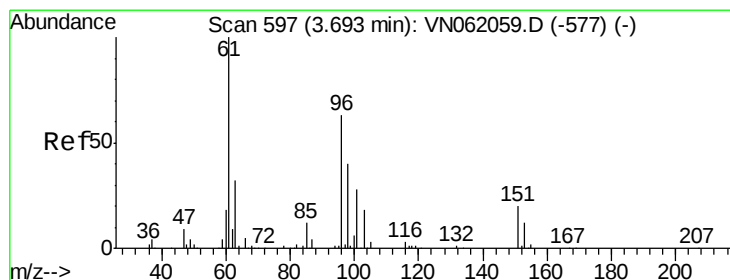
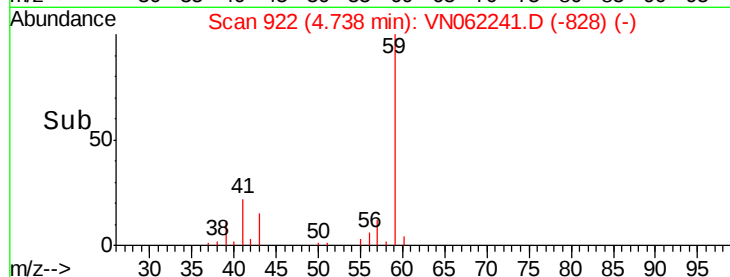
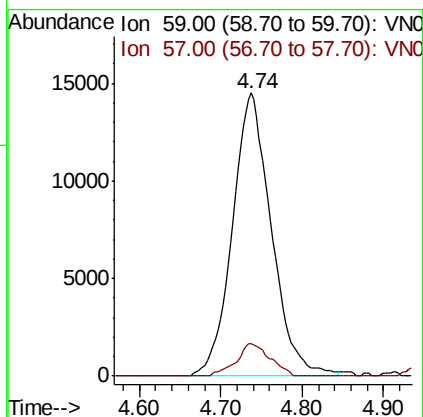
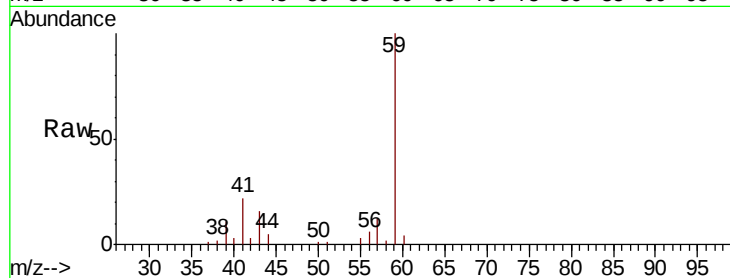


#11

Tert butyl alcohol
 Concen: 108.793 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

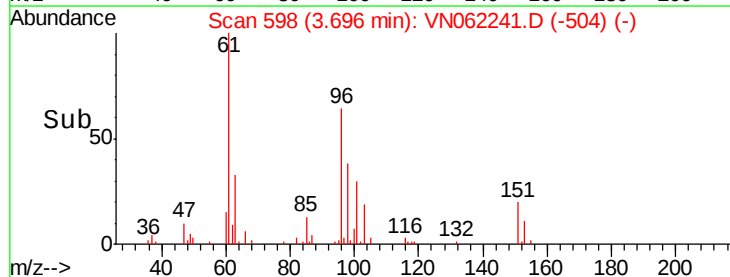
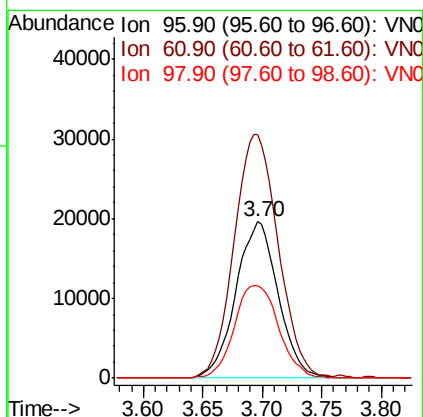
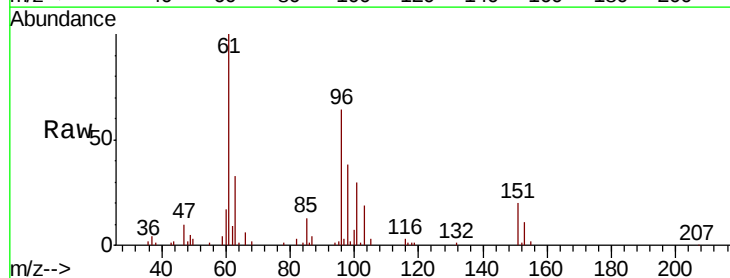
Tot Ion: 59 Resp: 48051
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.3 12.5

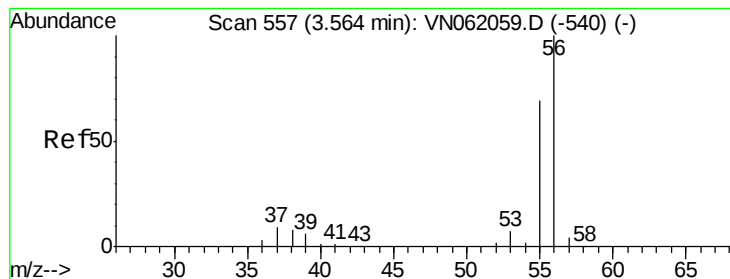


#12

1,1-Dichloroethene
 Concen: 19.192 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion: 96 Resp: 48308
 Ion Ratio Lower Upper
 96 100
 61 155.8 126.7 190.1
 98 59.7 51.0 76.4





#13

Acrolein

Concen: 107.847 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

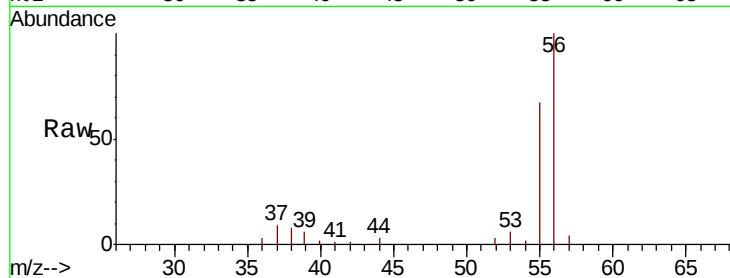
VN0630WBSD01

Tot Ion: 56 Resp: 46636

Ion Ratio Lower Upper

56 100

55 69.5 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN062059.D (-540) (-)

3.57

20000

15000

10000

5000

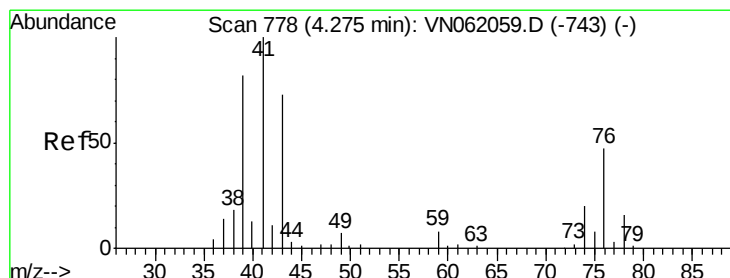
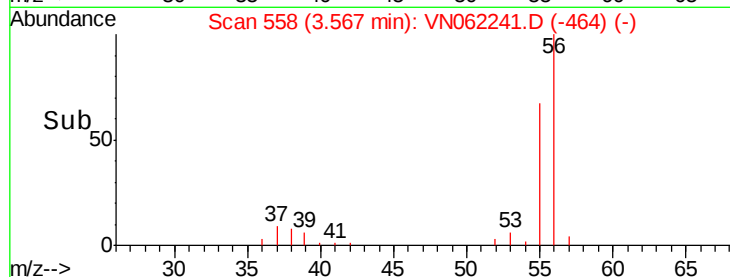
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 20.842 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

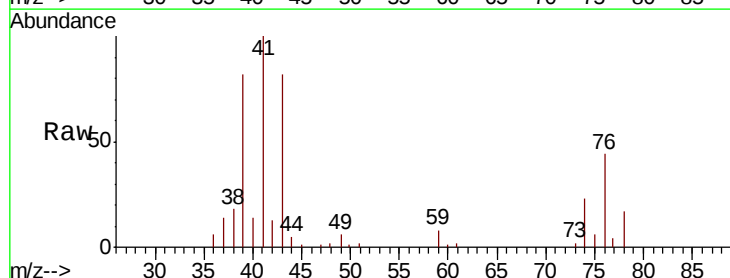
Tgt Ion: 41 Resp: 71422

Ion Ratio Lower Upper

41 100

39 74.1 60.0 90.0

76 40.8 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-743) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-743) (-)

Ion 75.90 (75.60 to 76.60): VN062059.D (-743) (-)

4.28

30000

25000

20000

15000

10000

5000

0

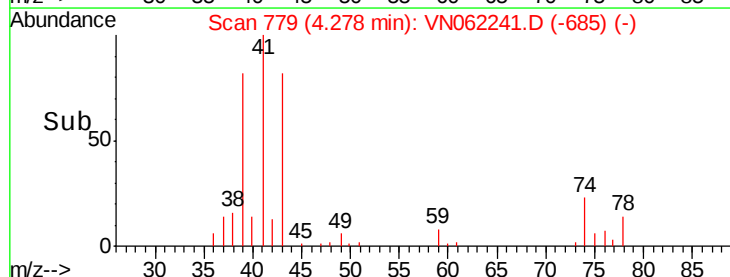
Time-->

4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 109.589 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleID :

VN0630WBSD01

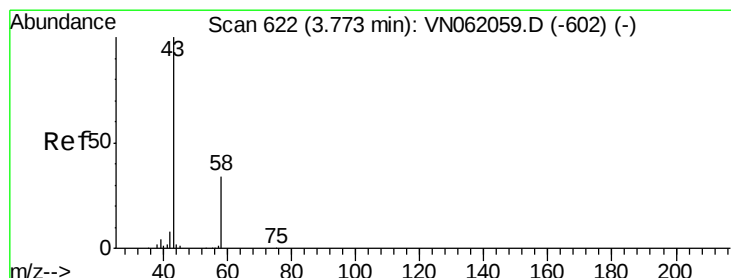
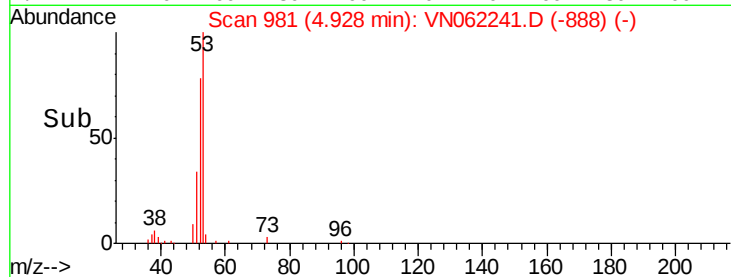
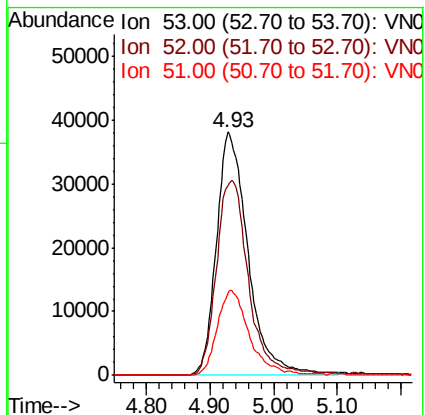
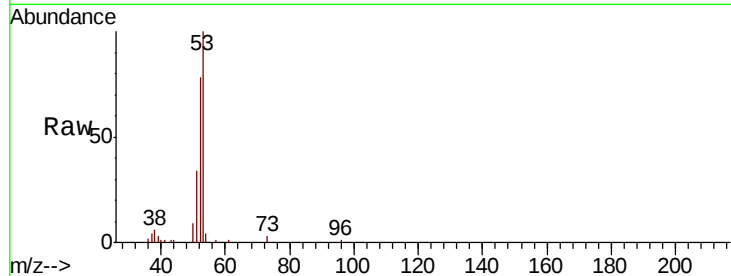
Tot Ion: 53 Resp: 131900

Ion Ratio Lower Upper

53 100

52 81.0 66.2 99.4

51 34.9 28.9 43.3



#16

Acetone

Concen: 107.876 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062241.D

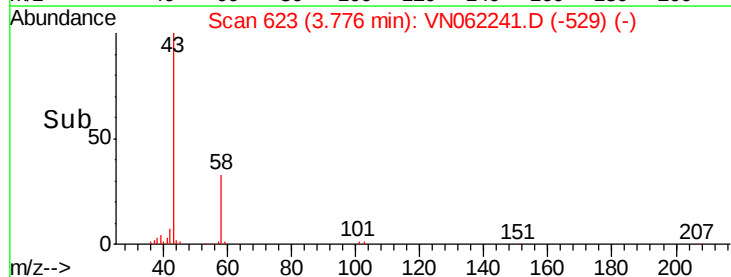
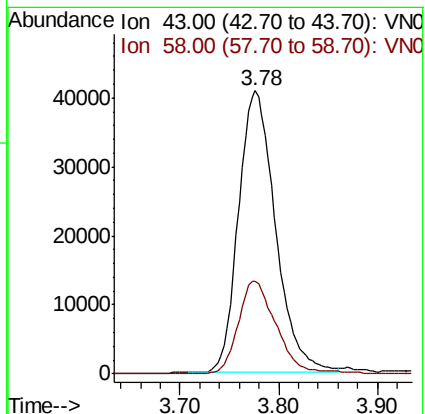
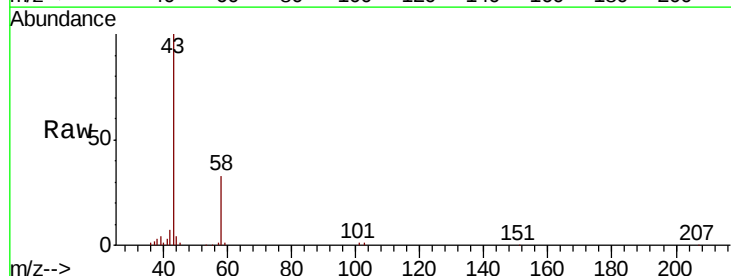
Acq: 30 Jun 2020 15:50

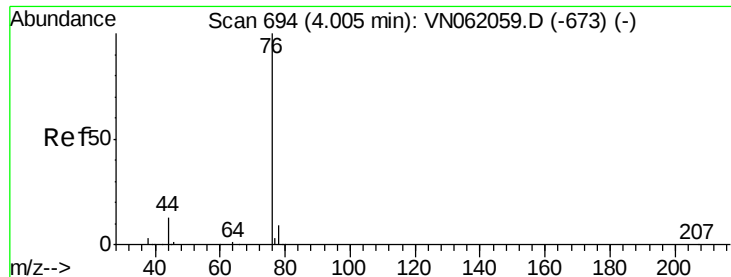
Tgt Ion: 43 Resp: 106386

Ion Ratio Lower Upper

43 100

58 32.9 27.5 41.3





#17

Carbon Disulfide

Concen: 18.332 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

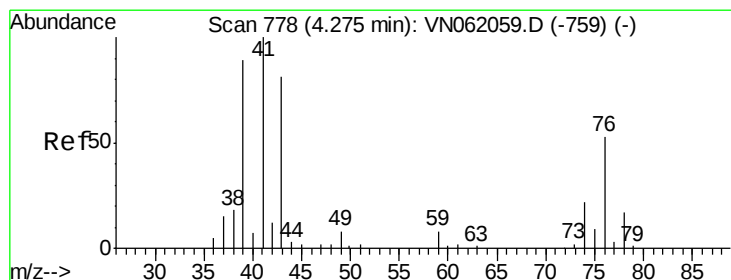
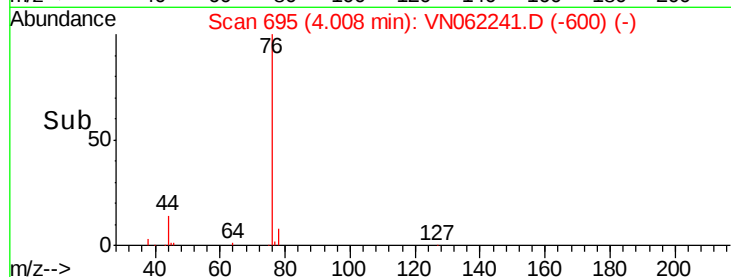
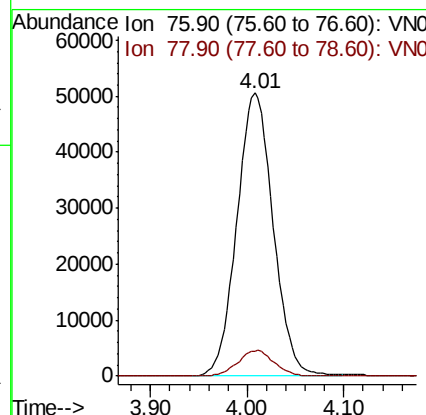
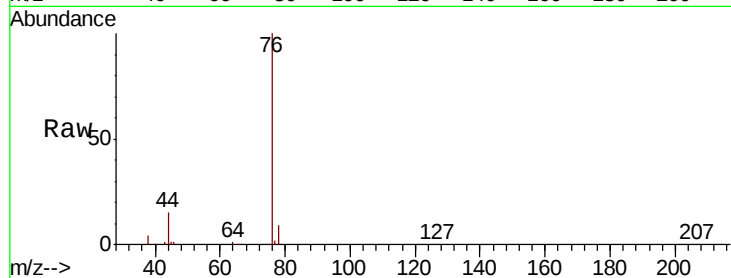
VN0630WBSD01

Tot Ion: 76 Resp: 131935

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



#18

Methyl Acetate

Concen: 22.194 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN062241.D

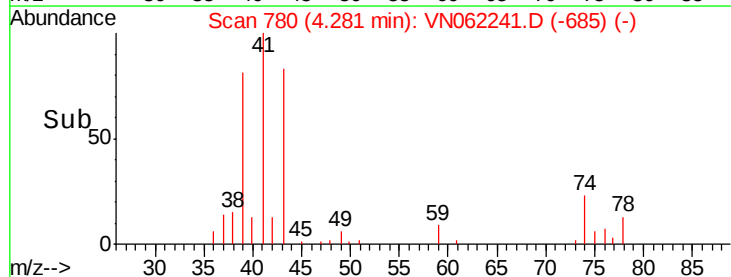
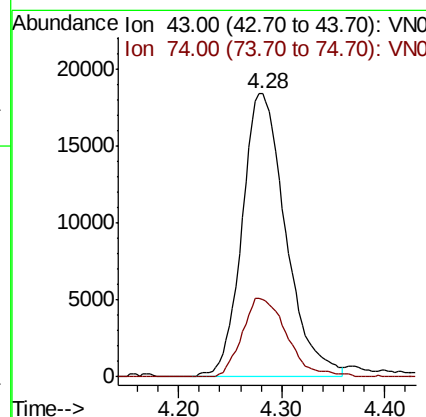
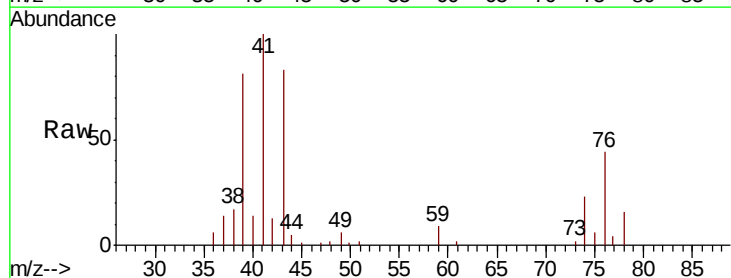
Acq: 30 Jun 2020 15:50

Tgt Ion: 43 Resp: 54272

Ion Ratio Lower Upper

43 100

74 28.2 22.9 34.3

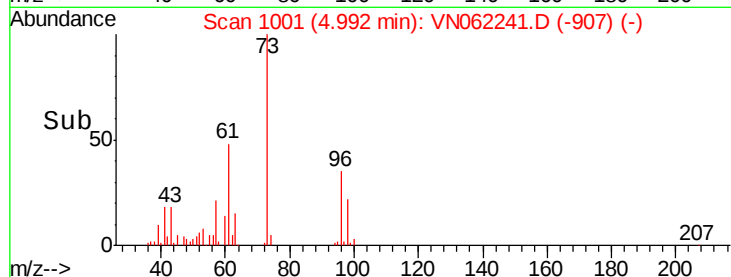
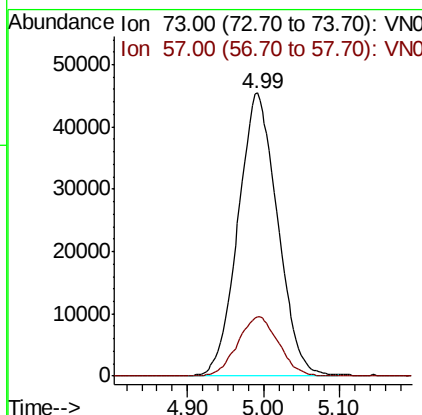
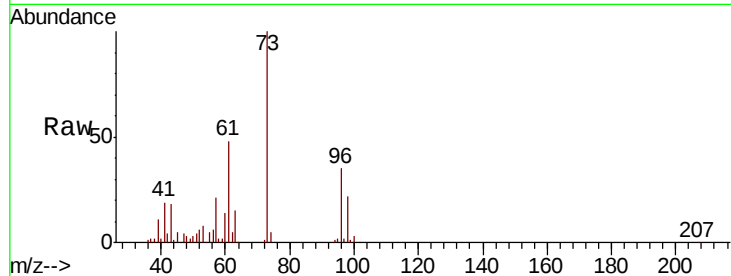




#19
Methvl tert-butvl Ether
Concen: 20.402 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

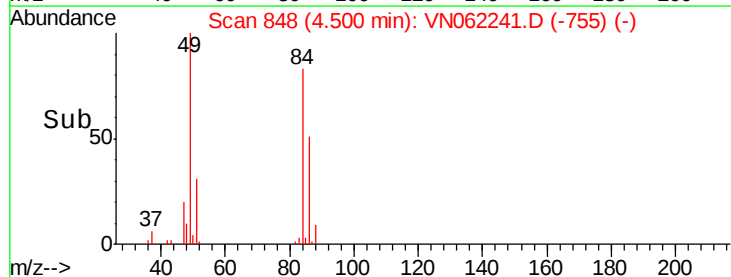
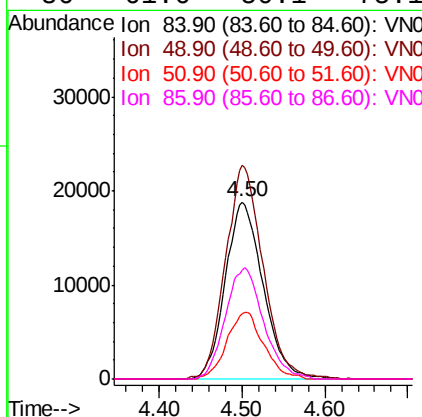
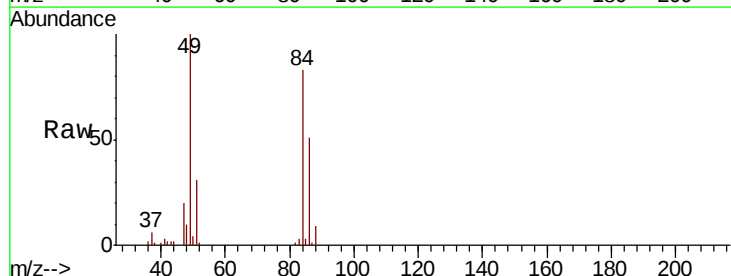
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

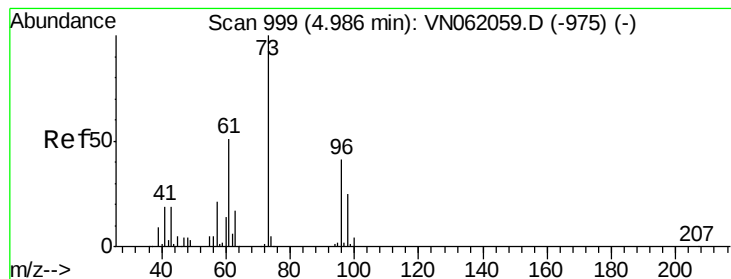
Tot Ion: 73 Resp: 164095
Ion Ratio Lower Upper
73 100
57 21.2 16.6 24.8



#20
Methylene Chloride
Concen: 21.021 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 84 Resp: 59718
Ion Ratio Lower Upper
84 100
49 119.9 90.6 136.0
51 37.2 27.8 41.8
86 61.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 18.448 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

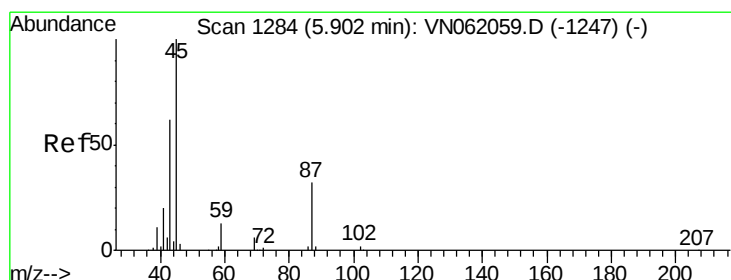
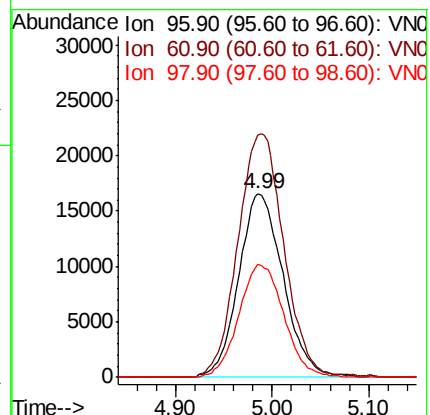
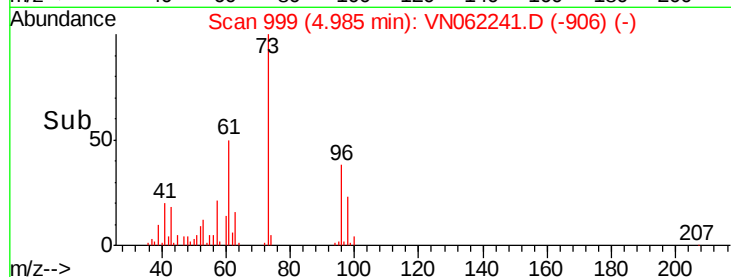
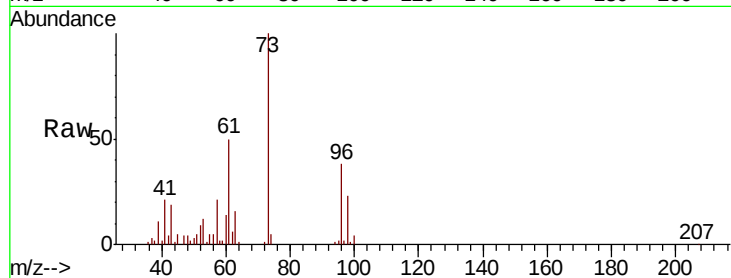
Tot Ion: 96 Resp: 52899

Ion Ratio Lower Upper

96 100

61 131.9 101.4 152.2

98 61.4 49.3 73.9



#22

Diisopropyl ether

Concen: 20.964 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion: 45 Resp: 163575

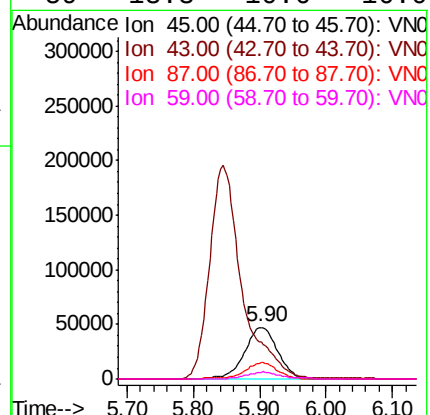
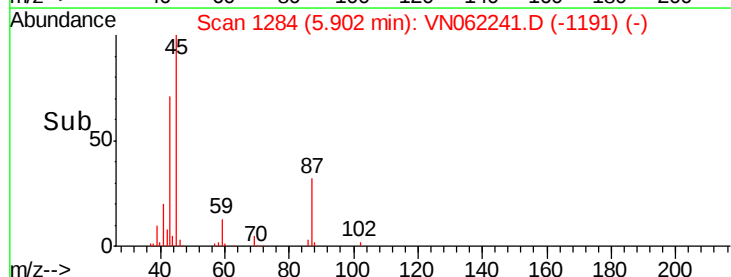
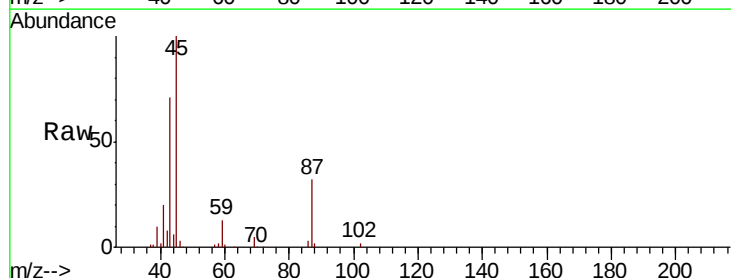
Ion Ratio Lower Upper

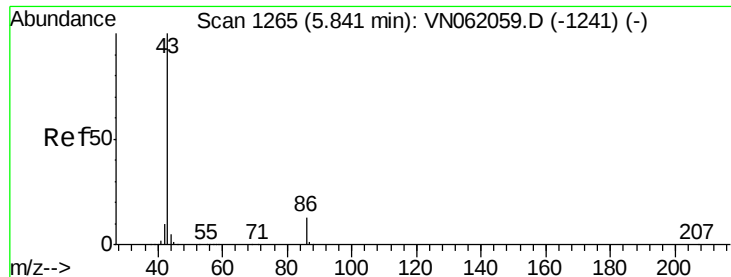
45 100

43 69.3 49.7 74.5

87 31.7 25.9 38.9

59 13.3 10.6 16.0

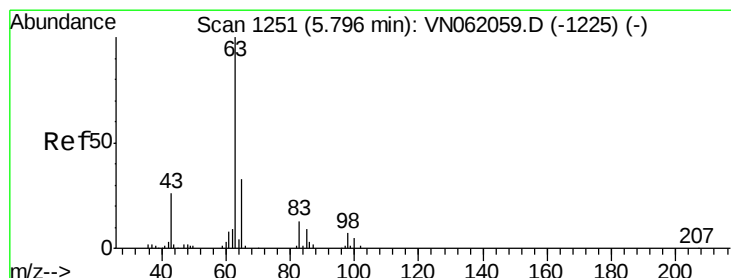
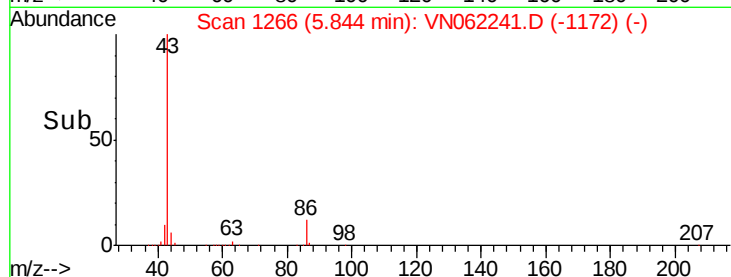
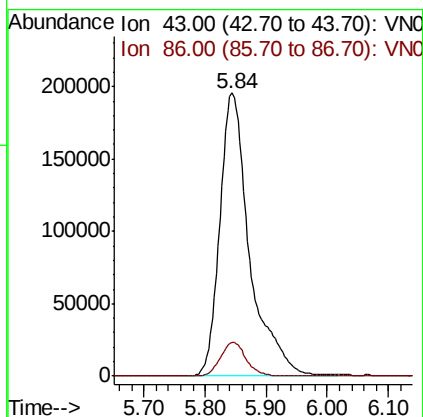
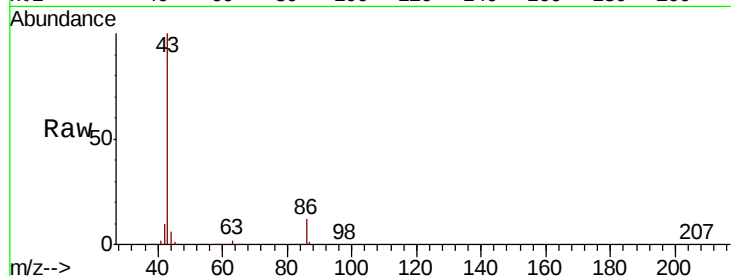




#23
 Vinyl Acetate
 Concen: 104.435 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

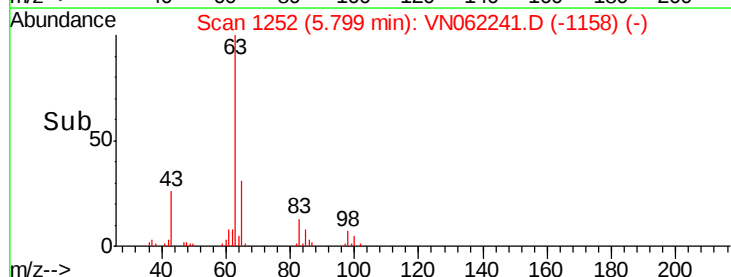
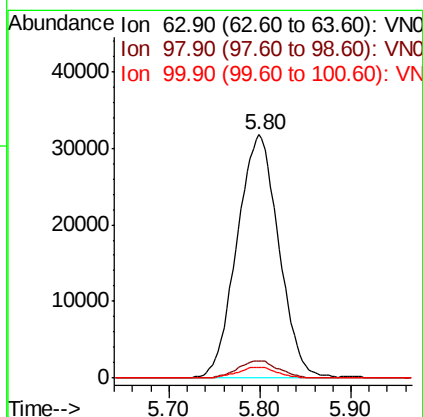
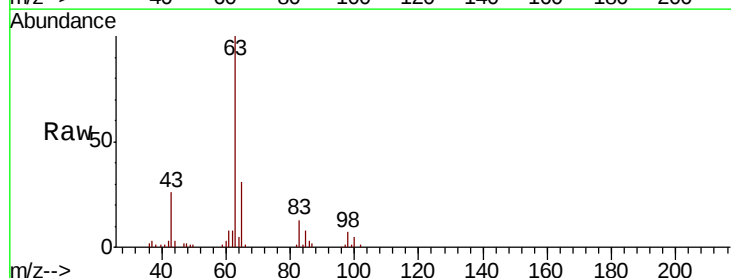
Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

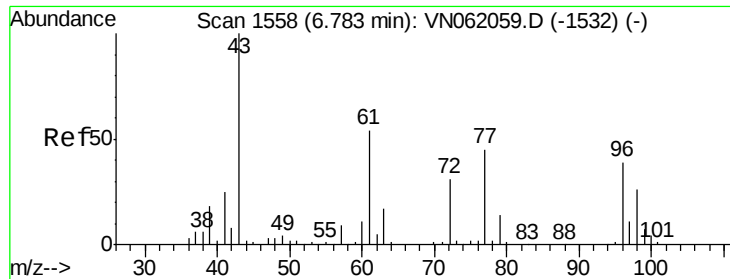
Tot Ion: 43 Resp: 665301
 Ion Ratio Lower Upper
 43 100
 86 11.9 10.1 15.1



#24
 1,1-Dichloroethane
 Concen: 20.142 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion: 63 Resp: 101206
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.6 10.9
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 106.454 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

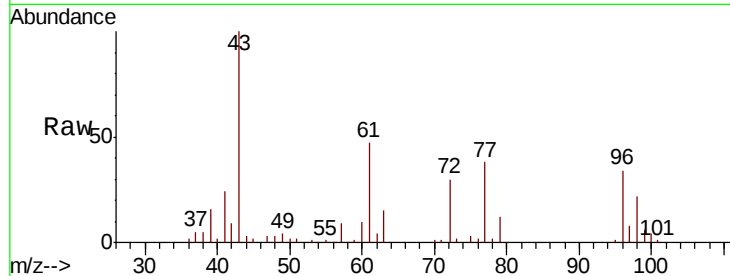
VN0630WBSD01

Tot Ion: 43 Resp: 160065

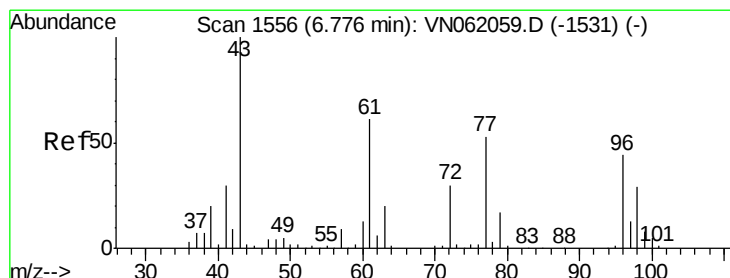
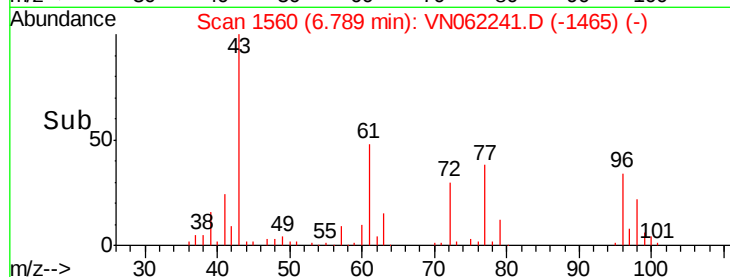
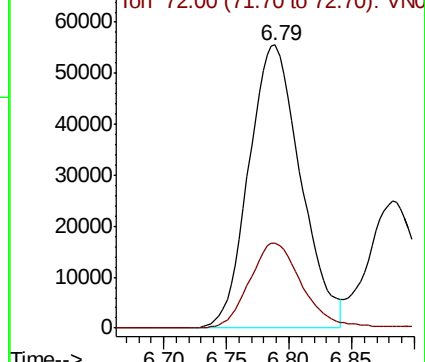
Ion Ratio Lower Upper

43 100

72 29.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-1532) (-)



#26

2,2-Dichloropropane

Concen: 19.499 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062241.D

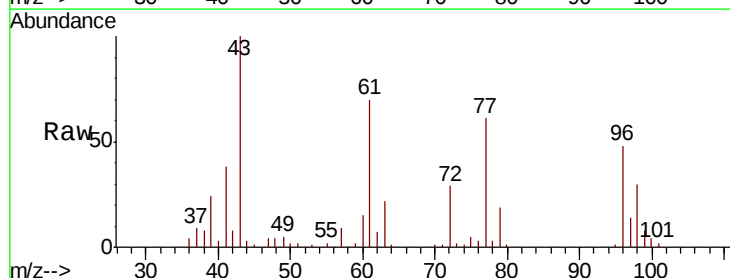
Acq: 30 Jun 2020 15:50

Tgt Ion: 77 Resp: 81643

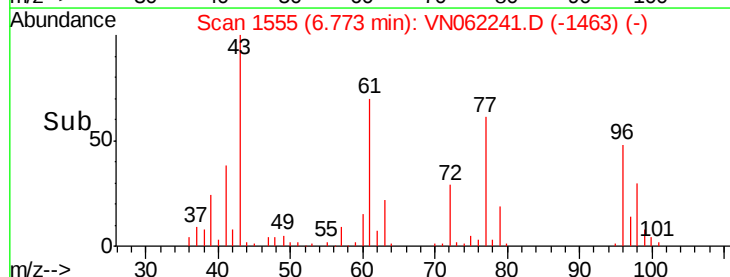
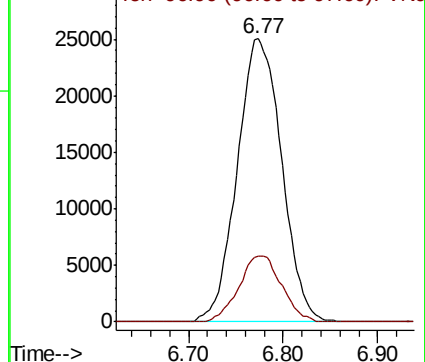
Ion Ratio Lower Upper

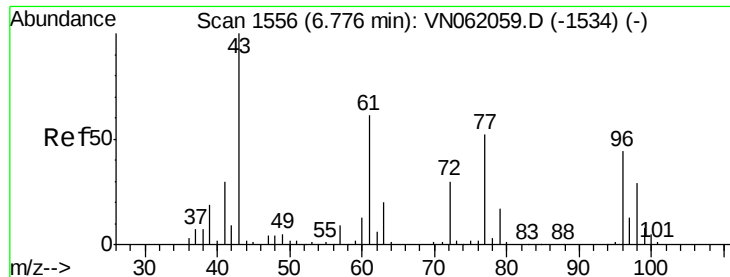
77 100

97 22.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN062059.D (-1531) (-)





#27

cis-1,2-Dichloroethene

Concen: 18.937 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

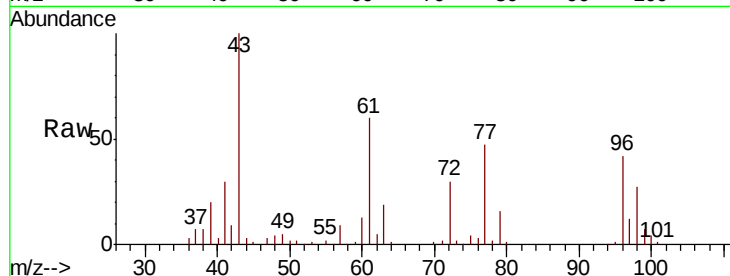
Tot Ion: 96 Resp: 61101

Ion Ratio Lower Upper

96 100

61 143.7 0.0 280.4

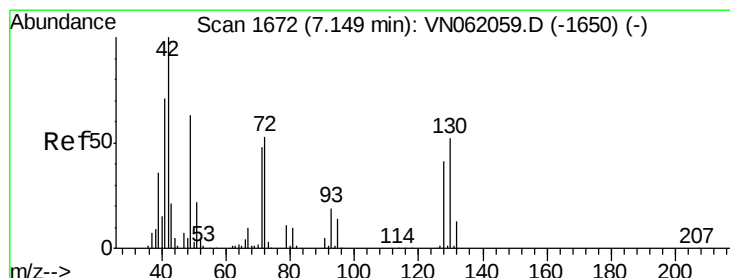
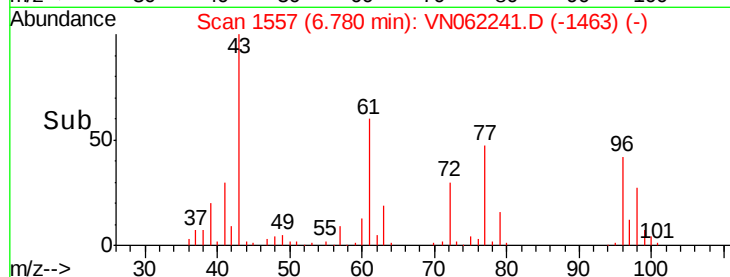
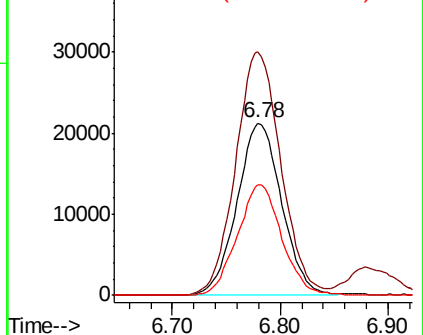
98 64.0 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062059.D (-1534) (-)

Ion 60.90 (60.60 to 61.60): VN062059.D (-1534) (-)

Ion 97.90 (97.60 to 98.60): VN062059.D (-1534) (-)



#28

Bromochloromethane

Concen: 21.002 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

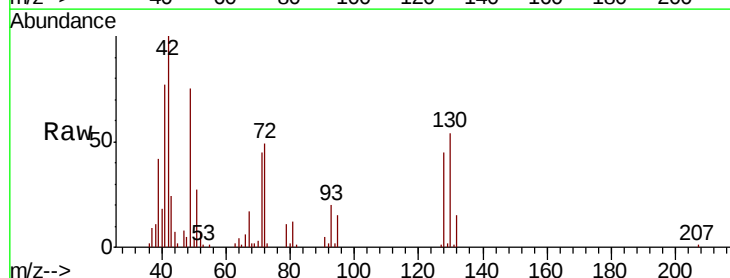
Tgt Ion: 49 Resp: 45785

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

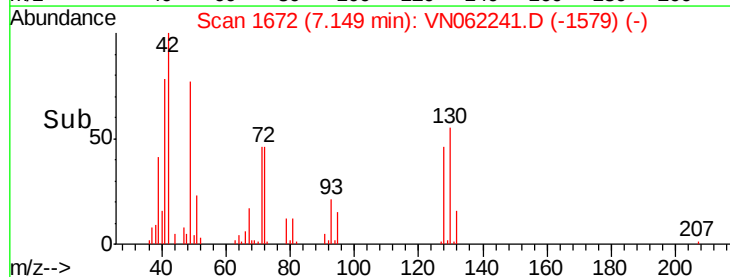
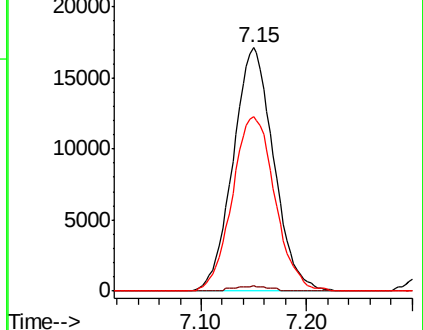
130 75.1 65.5 98.3

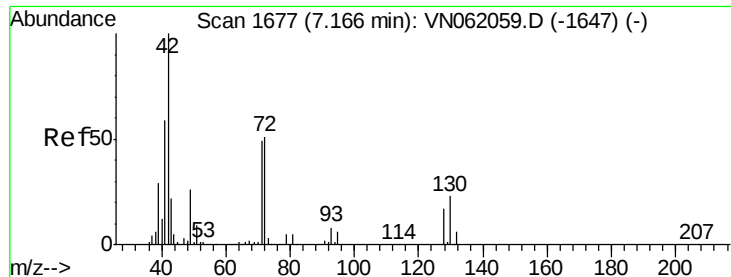


Abundance Ion 48.90 (48.60 to 49.60): VN062059.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN062059.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN062059.D (-1650) (-)

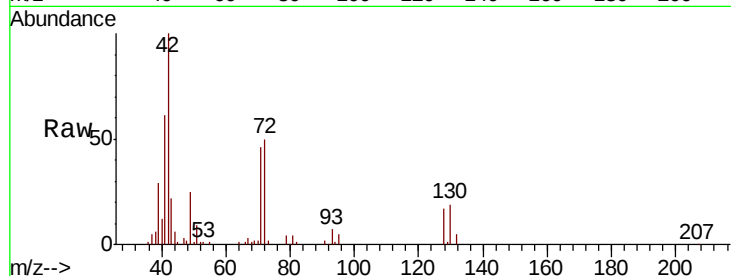




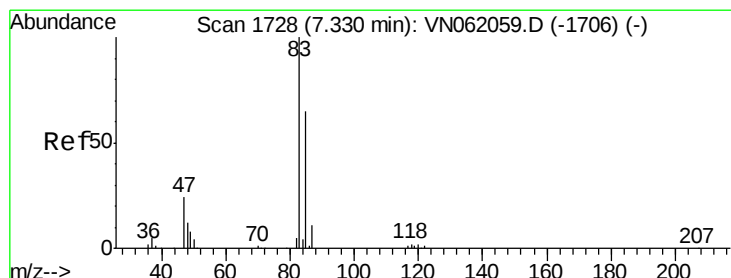
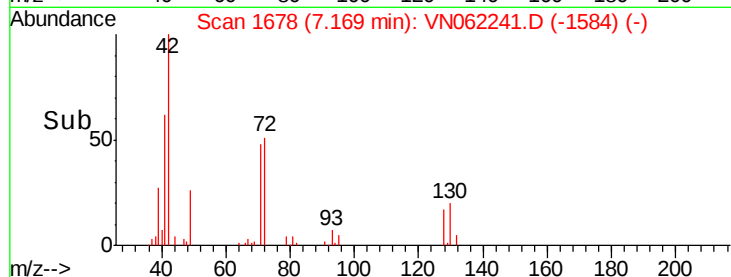
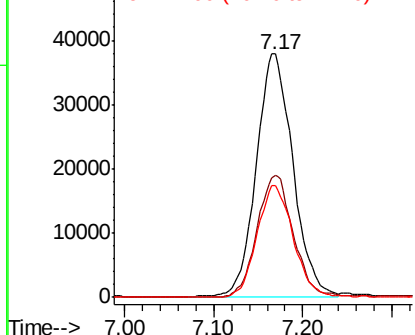
#29
Tetrahydrofuran
Concen: 110.554 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion: 42 Resp: 108889
Ion Ratio Lower Upper
42 100
72 49.4 41.1 61.7
71 45.2 38.2 57.4

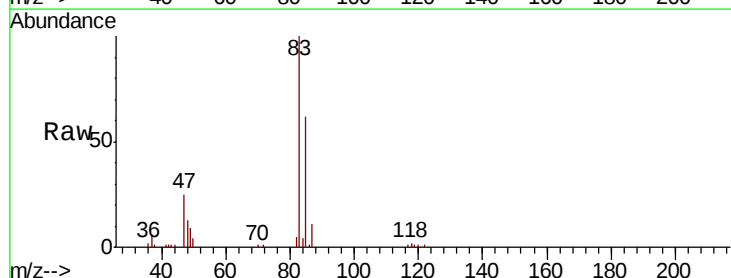


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

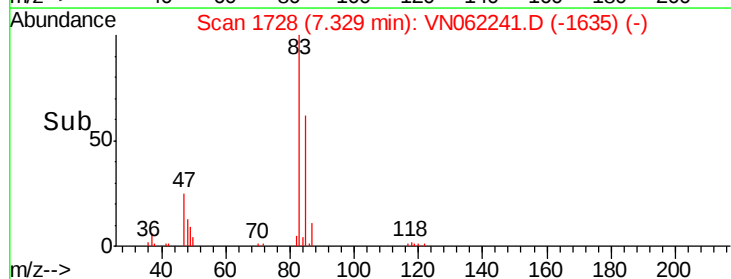
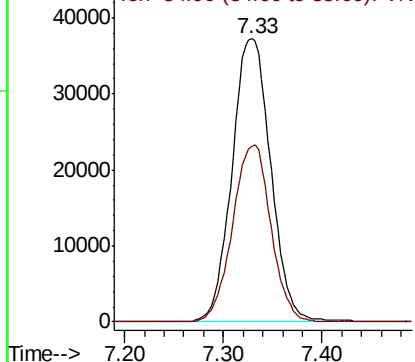


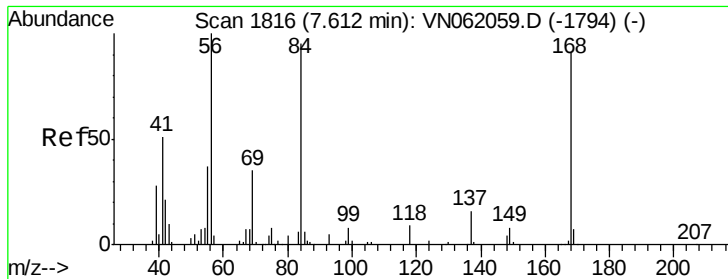
#30
Chloroform
Concen: 19.854 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 83 Resp: 101495
Ion Ratio Lower Upper
83 100
85 62.0 52.3 78.5



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

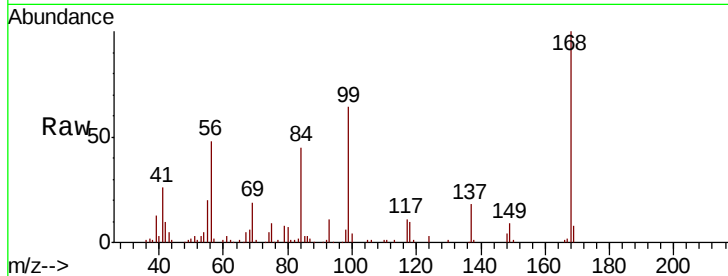




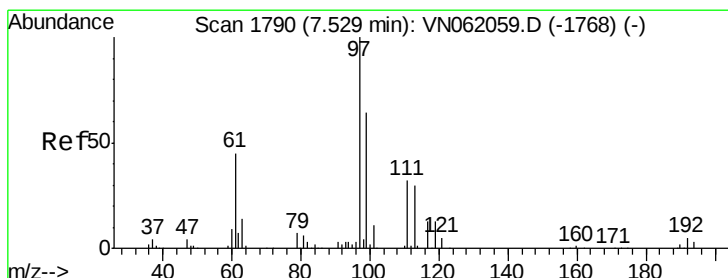
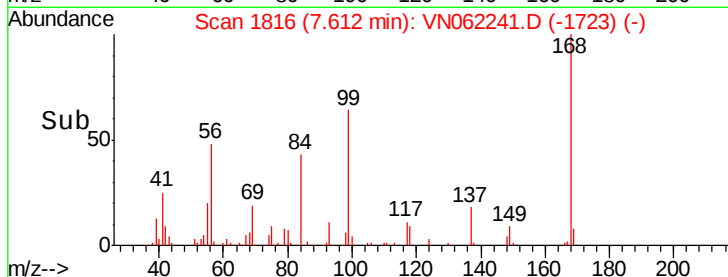
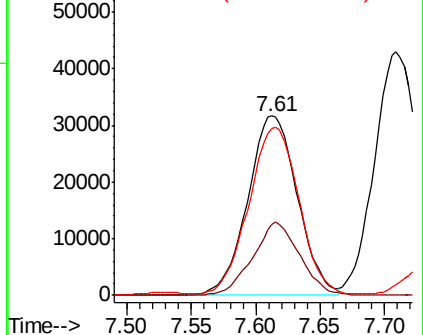
#31
Cyclohexane
Concen: 19.985 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleID :
VN0630WBSD01

Tot Ion: 56 Resp: 84936
Ion Ratio Lower Upper
56 100
69 39.8 28.0 42.0
84 92.4 76.1 114.1

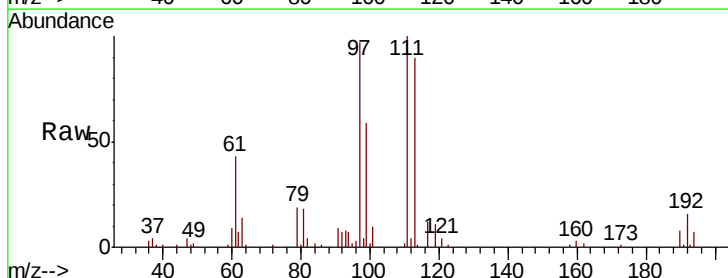


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

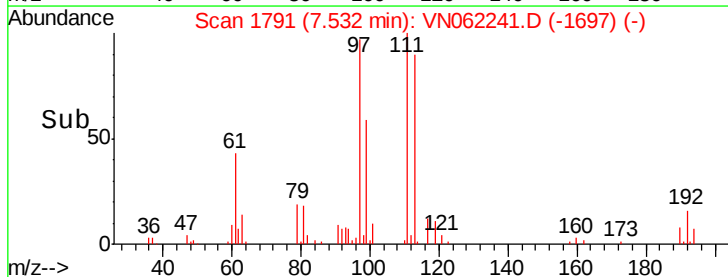
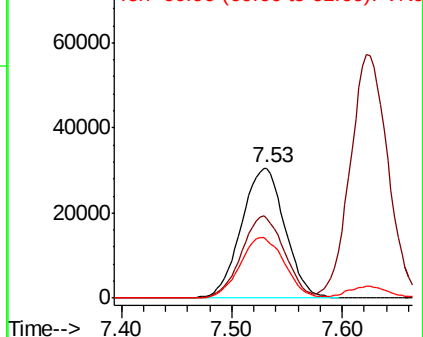


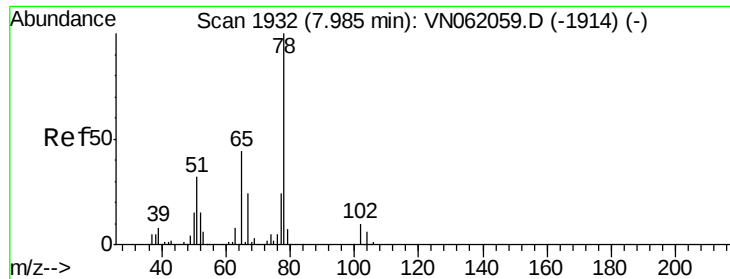
#32
1,1,1-Trichloroethane
Concen: 19.433 ug/l
RT: 7.53 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 97 Resp: 83776
Ion Ratio Lower Upper
97 100
99 61.9 51.0 76.4
61 47.3 36.2 54.2



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

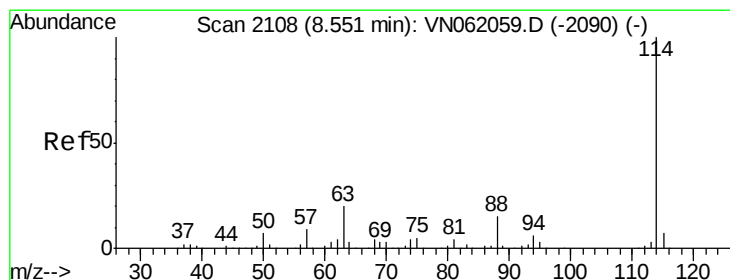
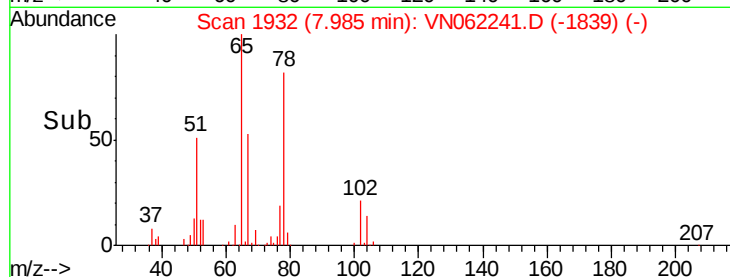
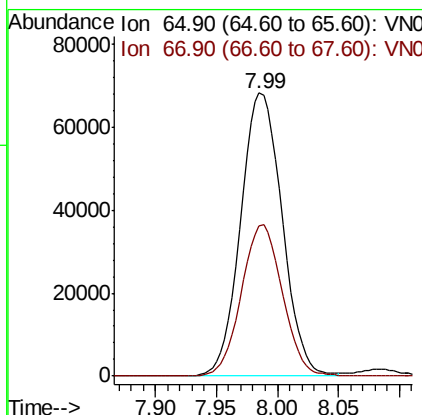
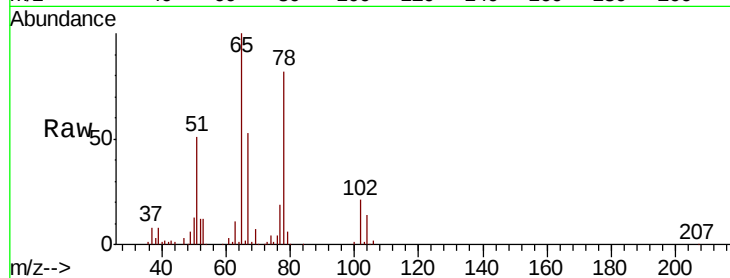




#33
 1,2-Dichloroethane-d4
 Concen: 52.197 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

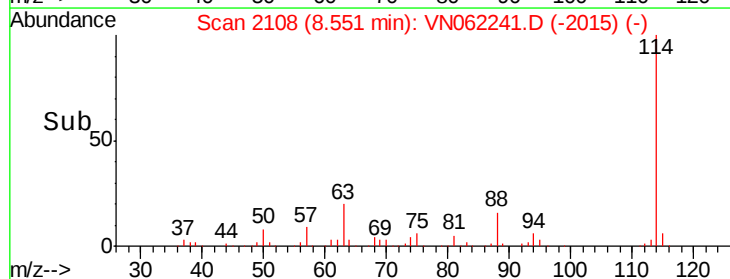
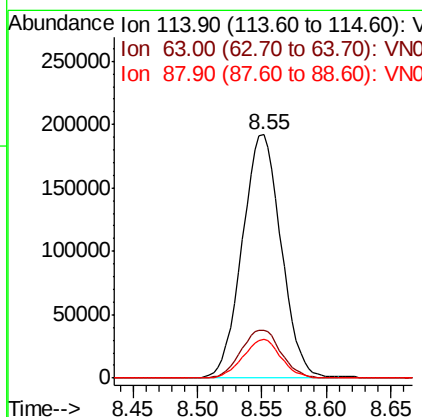
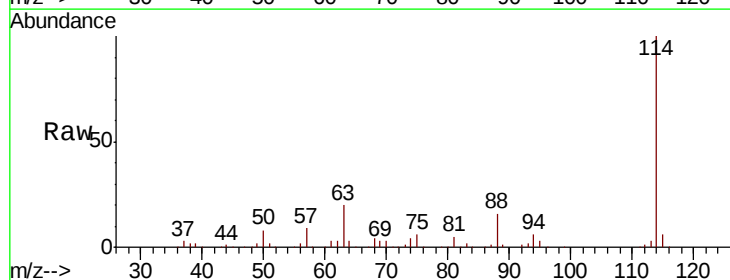
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Tot Ion: 65 Resp: 160568
 Ion Ratio Lower Upper
 65 100
 67 52.8 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: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion: 114 Resp: 403376
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.7 0.0 30.8

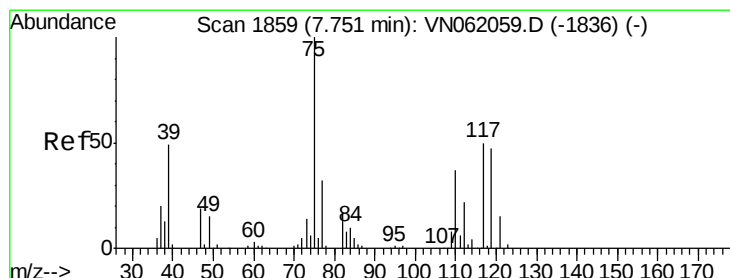
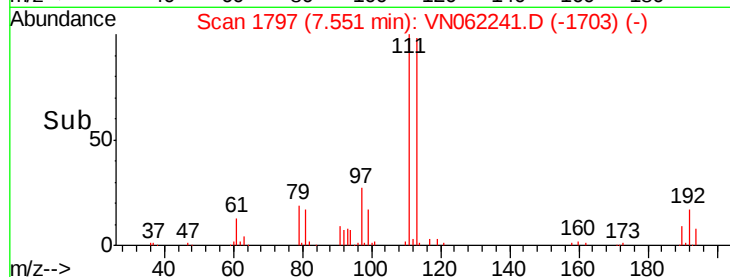
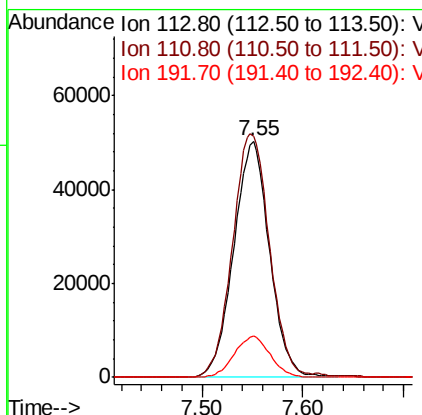
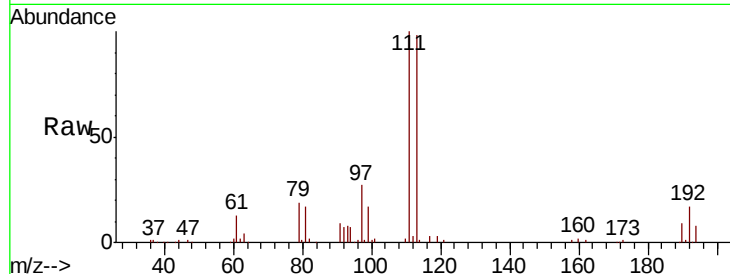




#35
 Dibromofluoromethane
 Concen: 47.836 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

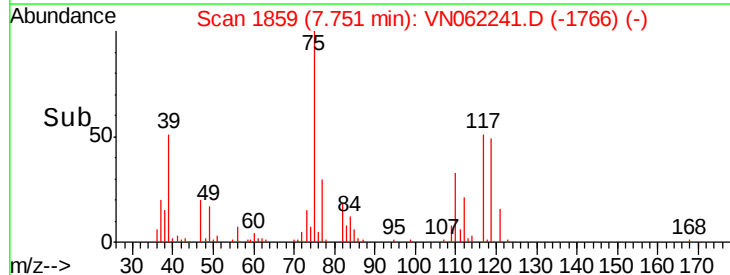
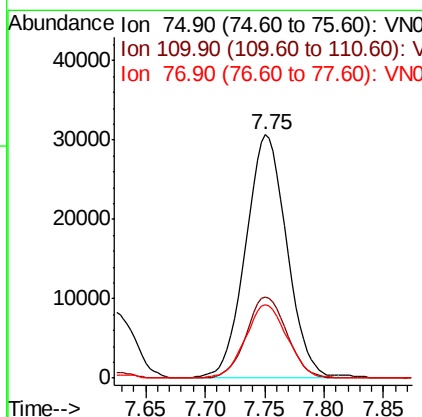
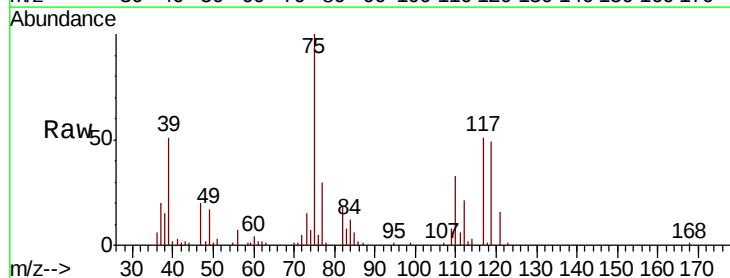
Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.3	82.2	123.4
192	17.4	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 18.150 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	17.9	53.8
77	30.6	24.9	37.3

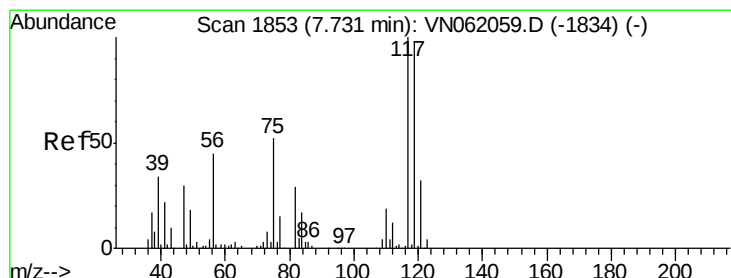
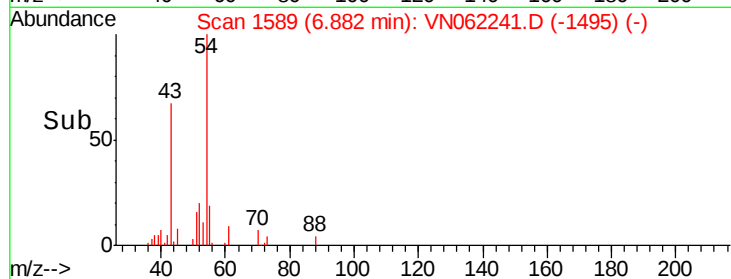
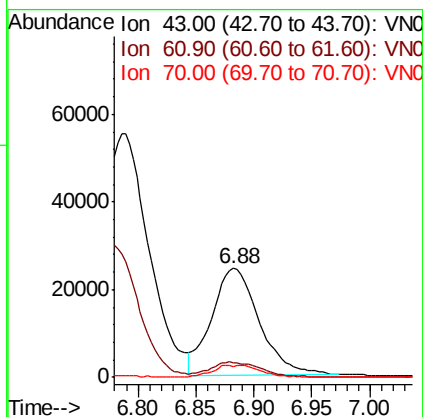
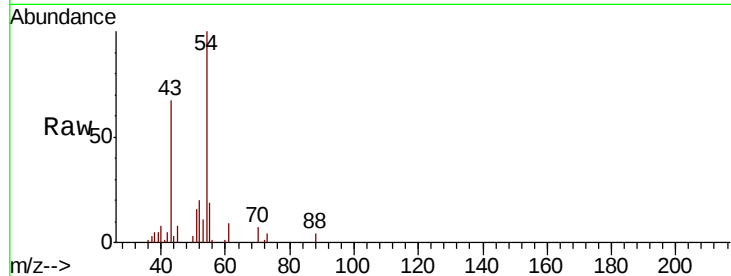




#37
Ethyl Acetate
Concen: 20.903 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

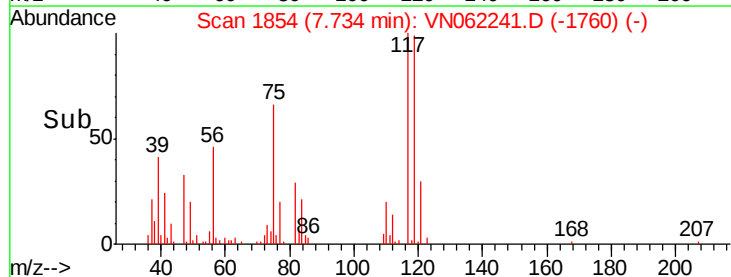
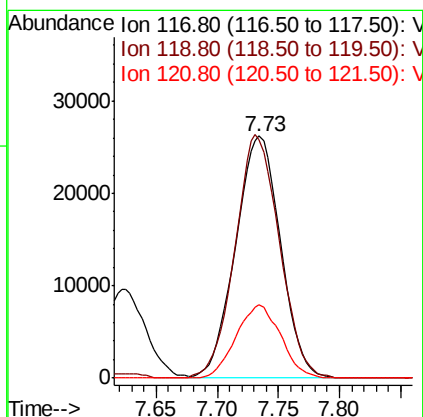
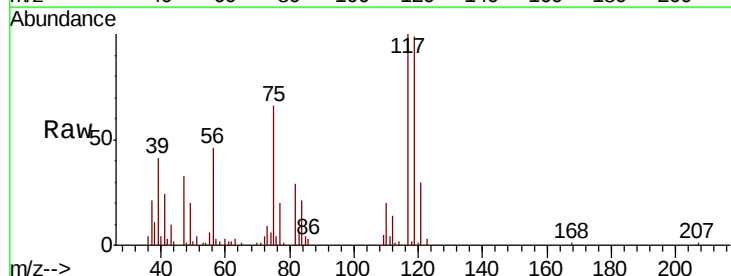
Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

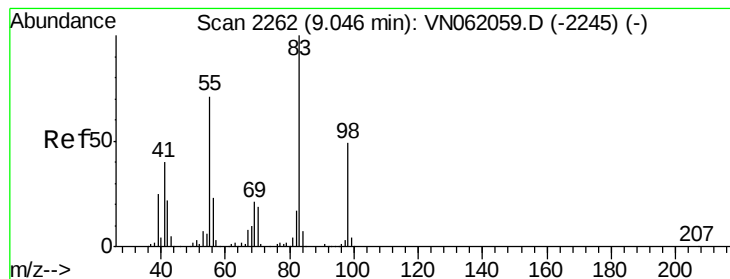
Tot Ion: 43 Resp: 70178
Ion Ratio Lower Upper
43 100
61 15.5 12.0 18.0
70 5.3 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 17.502 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 117 Resp: 66903
Ion Ratio Lower Upper
117 100
119 98.8 78.2 117.2
121 30.5 25.8 38.6





#39

Methvlcvclohexane

Concen: 18.459 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

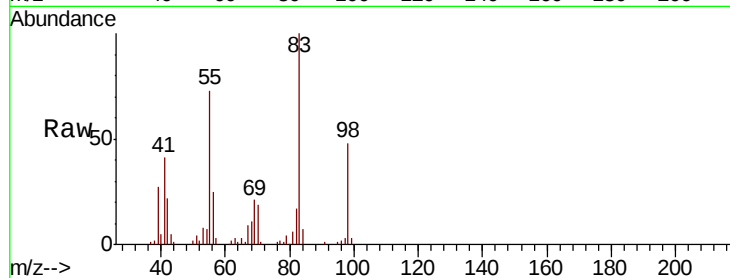
Tot Ion: 83 Resp: 82003

Ion Ratio Lower Upper

83 100

55 73.1 57.0 85.6

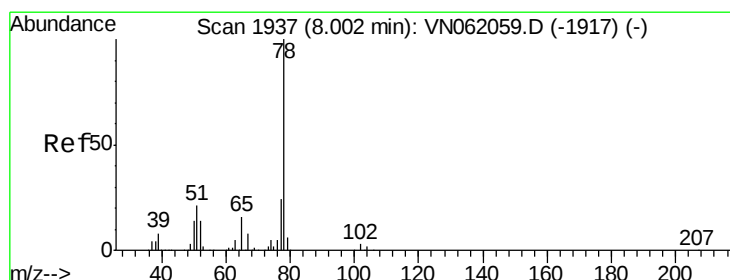
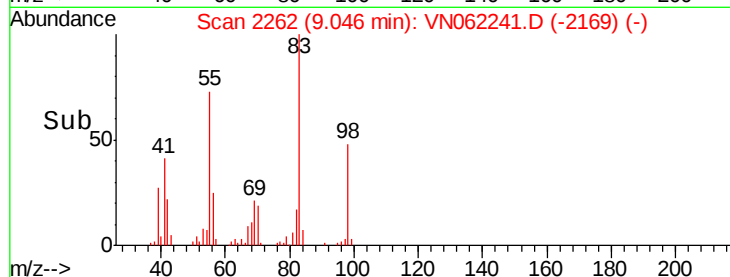
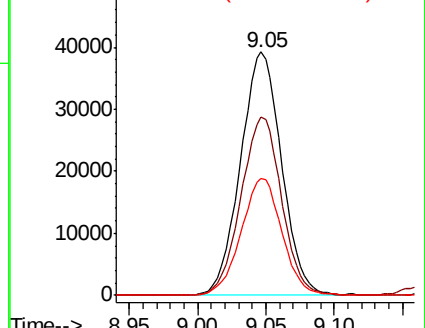
98 48.0 39.0 58.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 18.752 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN062241.D

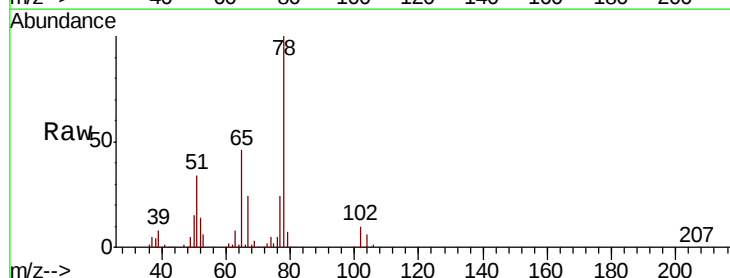
Acq: 30 Jun 2020 15:50

Tgt Ion: 78 Resp: 231743

Ion Ratio Lower Upper

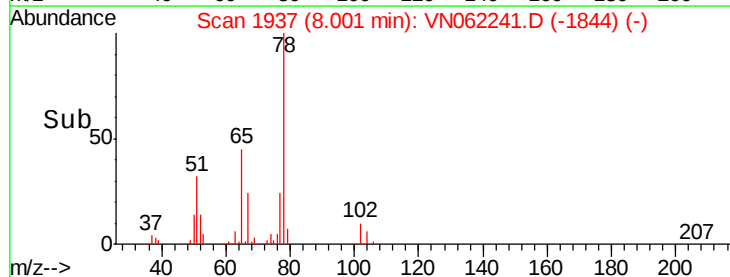
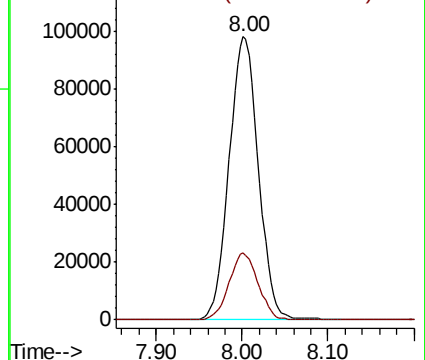
78 100

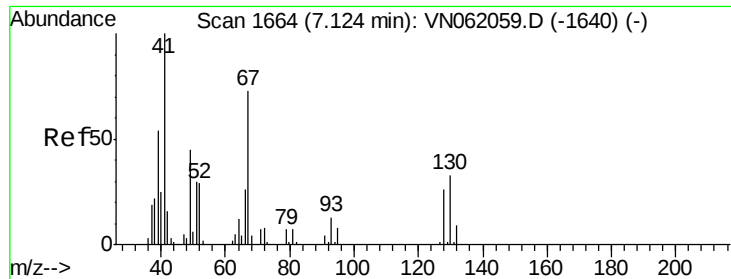
77 23.8 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

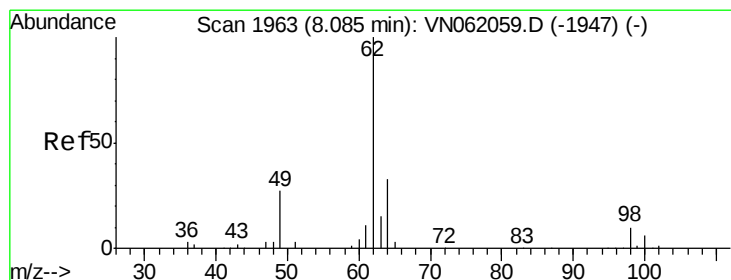
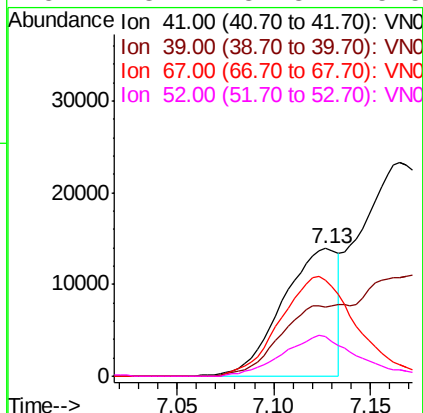
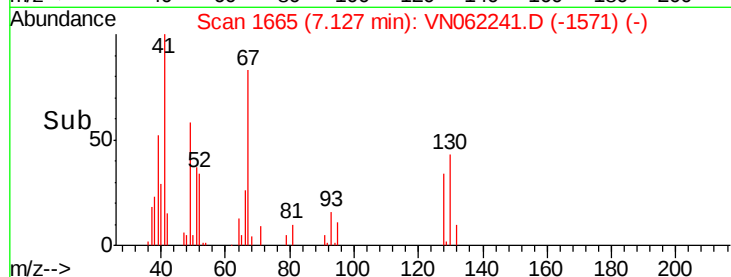
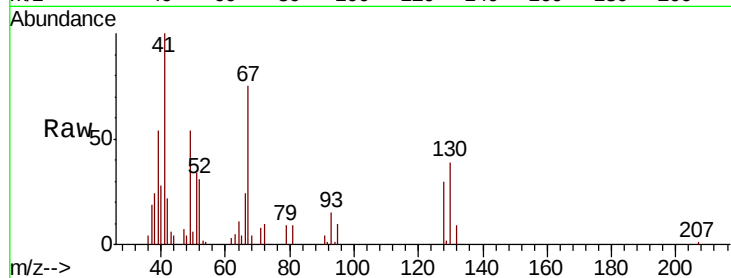




#41
Methacrylonitrile
Concen: 17.908 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

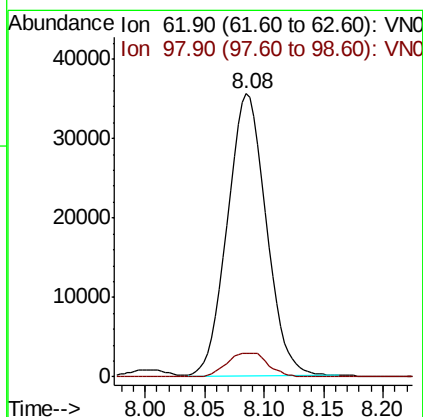
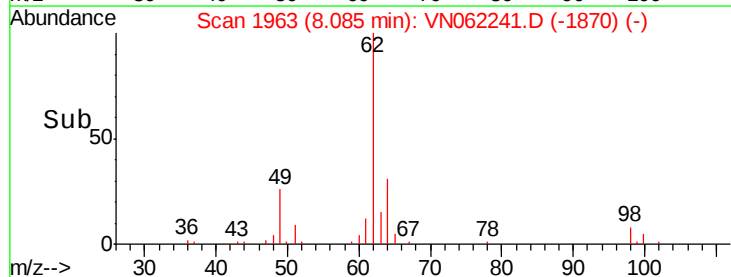
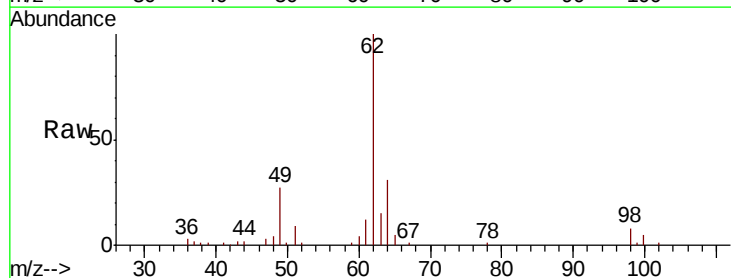
Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

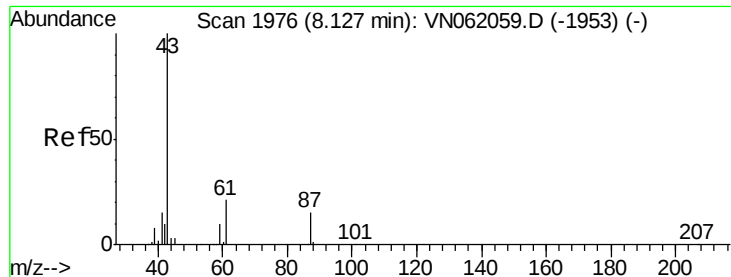
Tot Ion: 41 Resp: 27873
Ion Ratio Lower Upper
41 100
39 46.3 44.2 66.2
67 106.6 79.5 119.3
52 43.7 32.3 48.5



#42
1,2-Dichloroethane
Concen: 19.272 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 62 Resp: 80467
Ion Ratio Lower Upper
62 100
98 8.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 20.051 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

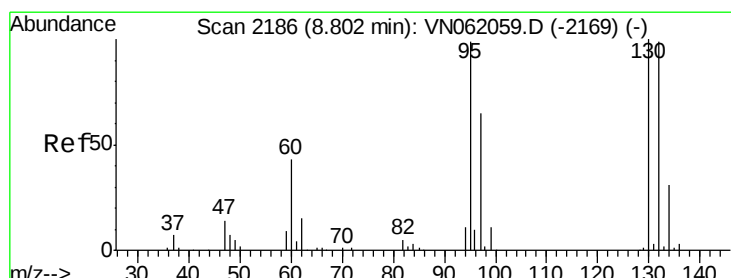
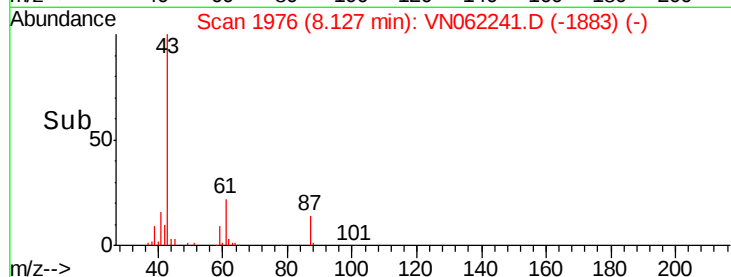
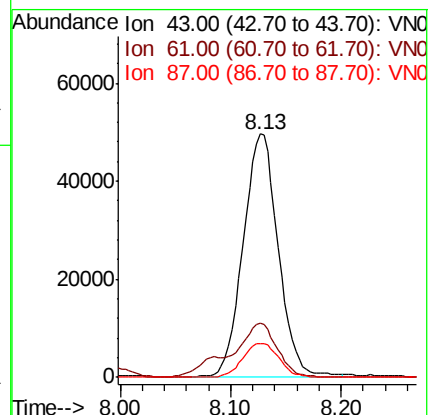
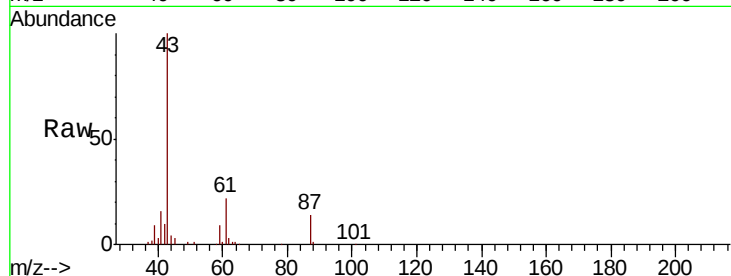
Tot Ion: 43 Resp: 109741

Ion Ratio Lower Upper

43 100

61 22.4 17.2 25.8

87 14.3 12.1 18.1



#44

Trichloroethene

Concen: 17.706 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062241.D

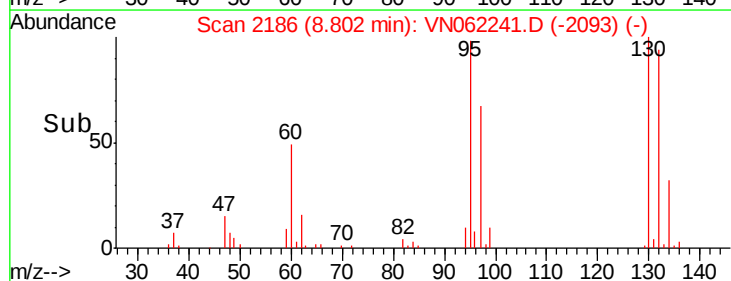
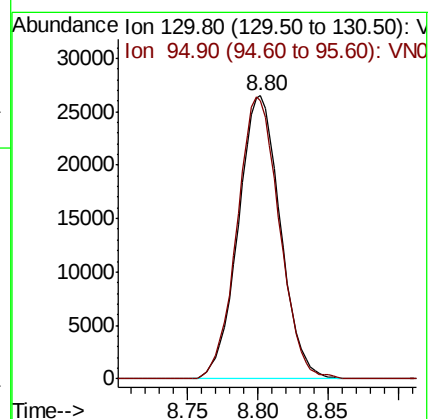
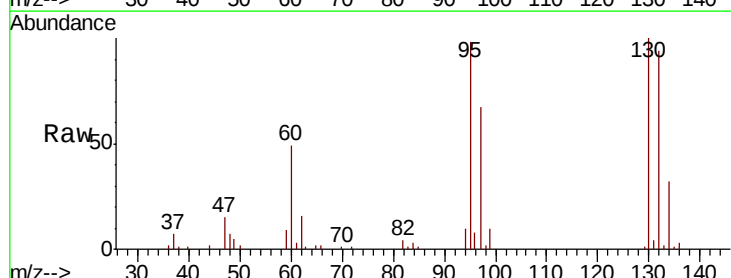
Acq: 30 Jun 2020 15:50

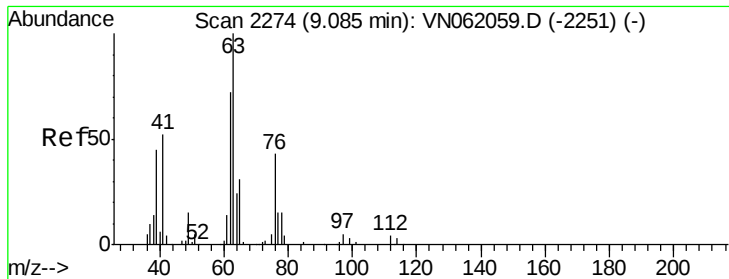
Tgt Ion: 130 Resp: 55195

Ion Ratio Lower Upper

130 100

95 98.4 0.0 197.8





#45

1,2-Dichloropropane

Concen: 19.876 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

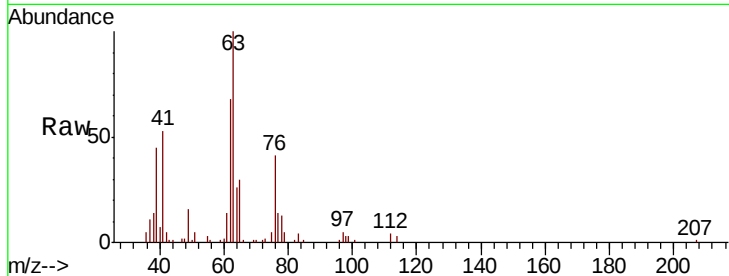
VN0630WBSD01

Tot Ion: 63 Resp: 60599

Ion Ratio Lower Upper

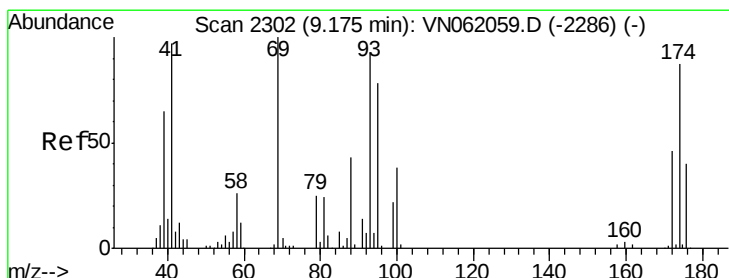
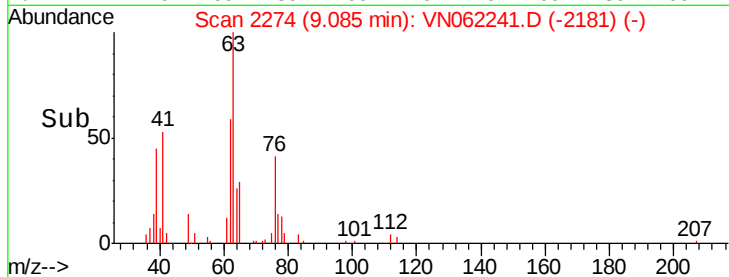
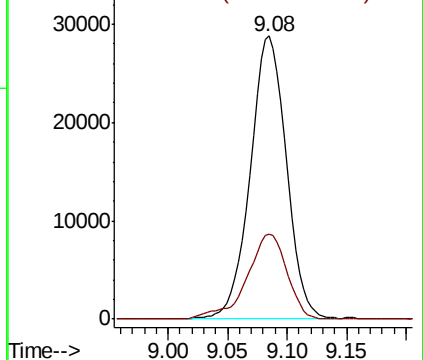
63 100

65 30.2 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.096 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

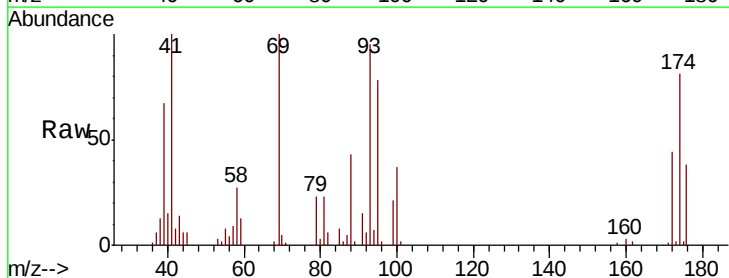
Tgt Ion: 93 Resp: 39473

Ion Ratio Lower Upper

93 100

95 81.2 67.0 100.6

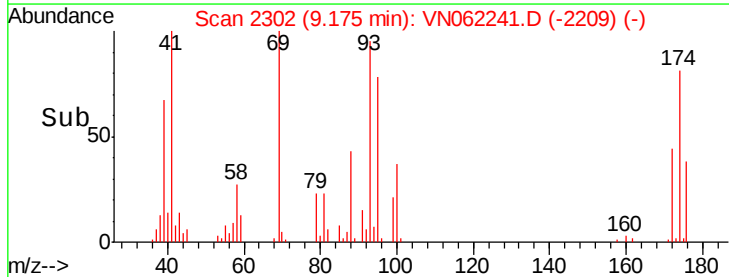
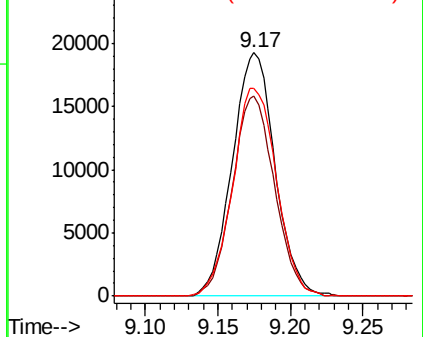
174 87.4 74.4 111.6

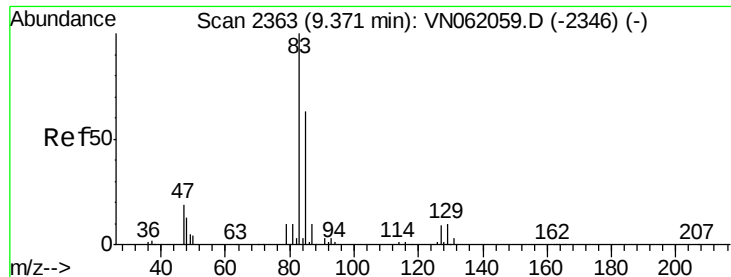


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.099 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

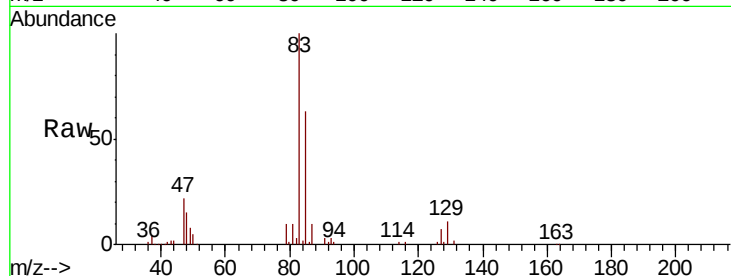
Tot Ion: 83 Resp: 79714

Ion Ratio Lower Upper

83 100

85 63.4 50.3 75.5

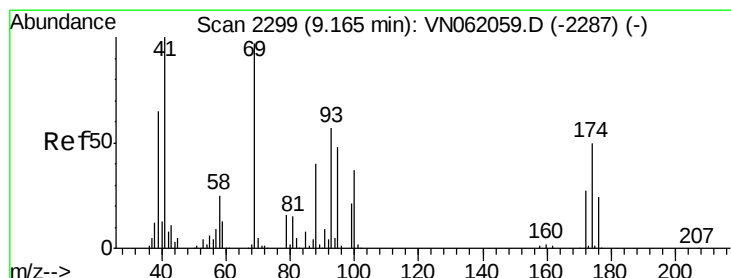
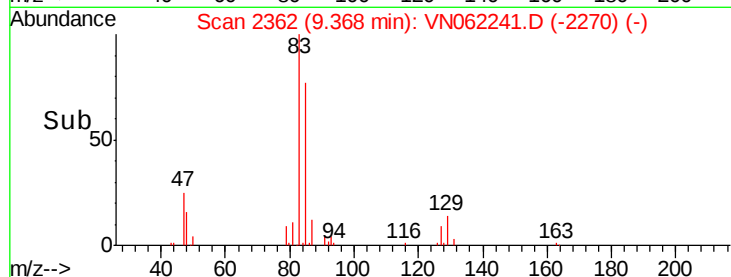
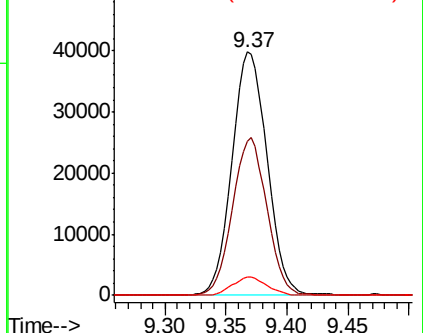
127 7.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062241.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062241.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062241.D (-2270) (-)



#48

Methyl methacrylate

Concen: 19.819 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

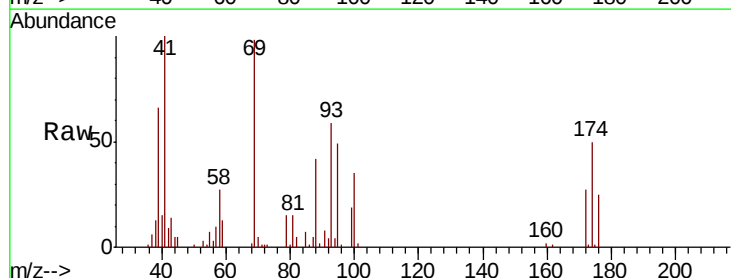
Tgt Ion: 41 Resp: 48636

Ion Ratio Lower Upper

41 100

69 99.3 80.7 121.1

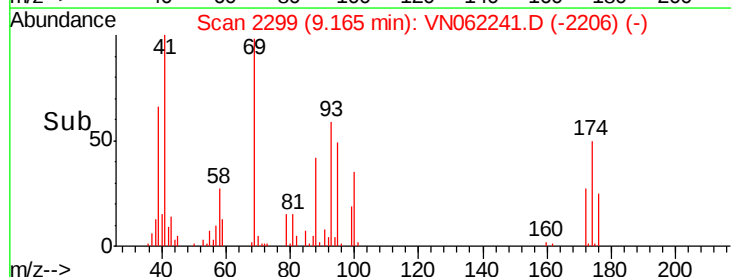
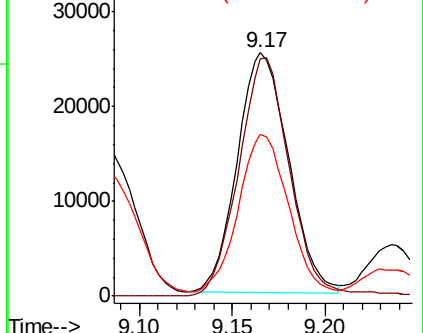
39 65.7 54.5 81.7

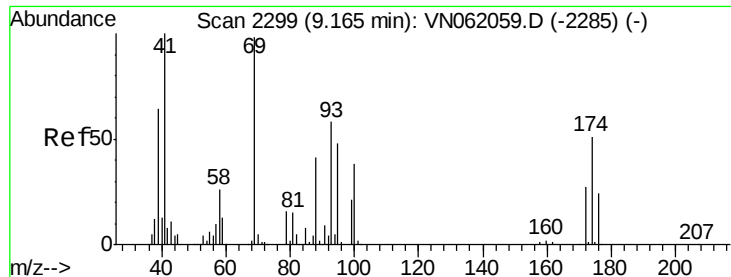


Abundance Ion 41.00 (40.70 to 41.70): VN062241.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062241.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062241.D (-2206) (-)

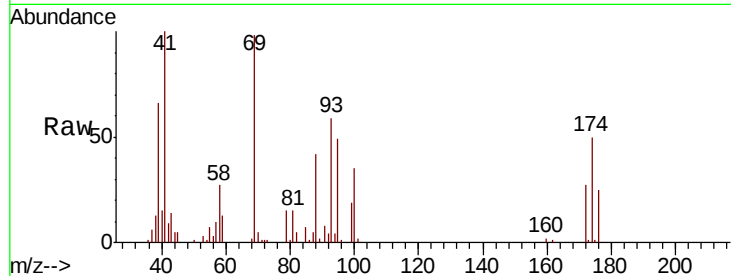




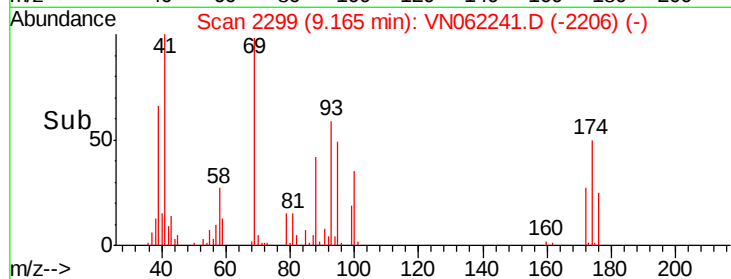
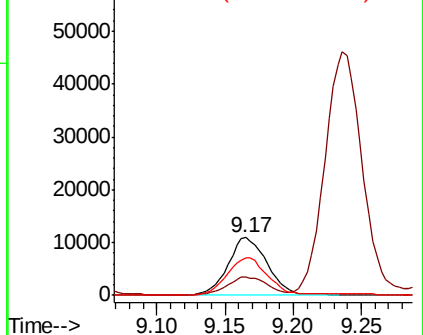
#49
1,4-Dioxane
Concen: 402.519 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion: 88 Resp: 21905
Ion Ratio Lower Upper
88 100
43 33.0 22.0 33.0
58 67.0 49.2 73.8

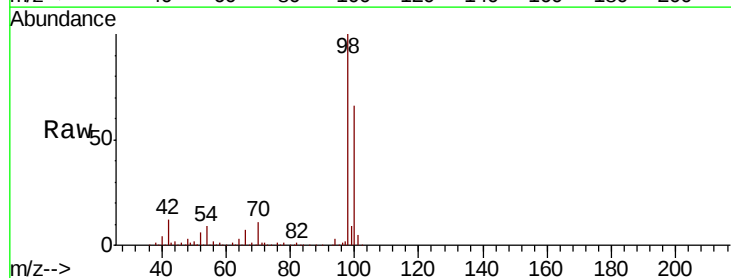


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

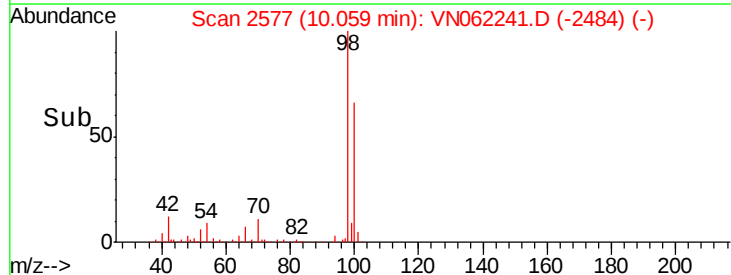
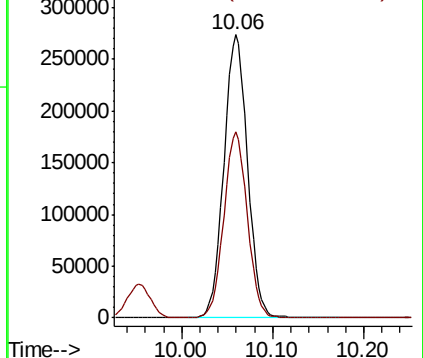


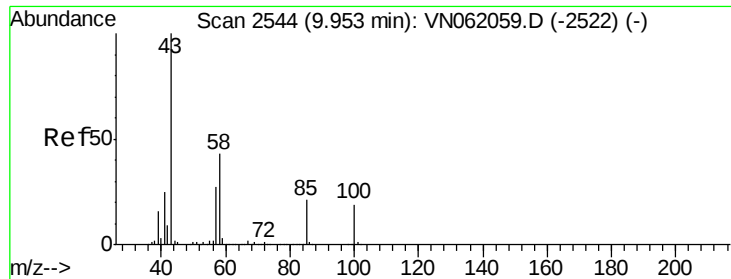
#50
Toluene-d8
Concen: 47.838 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 98 Resp: 494856
Ion Ratio Lower Upper
98 100
100 64.8 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: 106.641 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

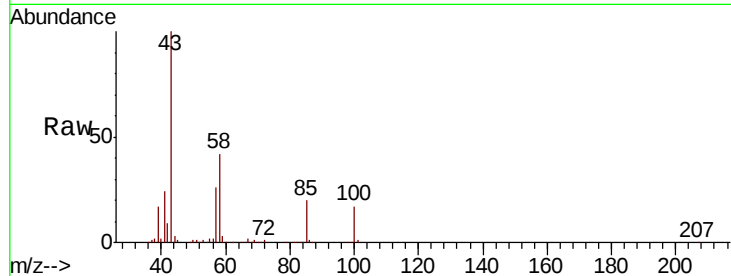
VN0630WBSD01

Tot Ion: 43 Resp: 341003

Ion Ratio Lower Upper

43 100

58 41.6 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

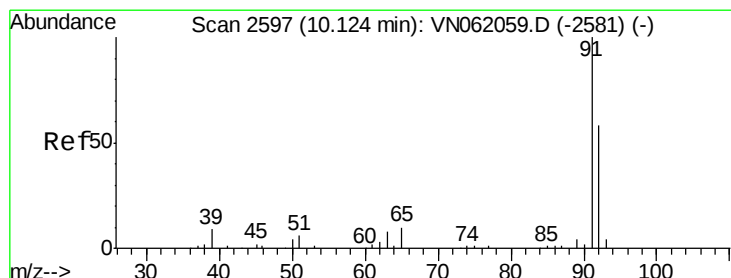
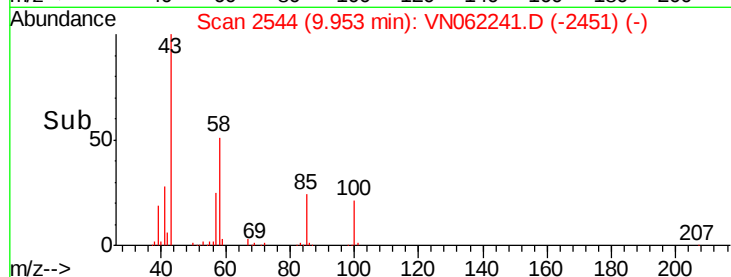
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.865 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062241.D

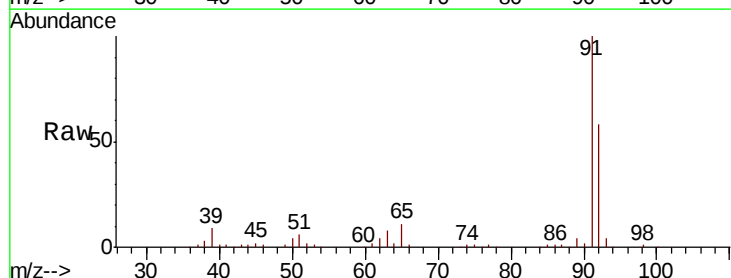
Acq: 30 Jun 2020 15:50

Tgt Ion: 92 Resp: 142248

Ion Ratio Lower Upper

92 100

91 172.2 137.4 206.0



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

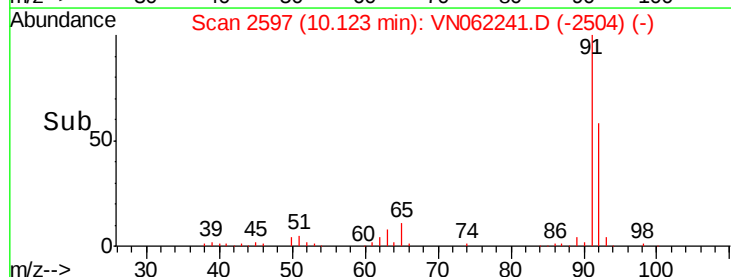
150000

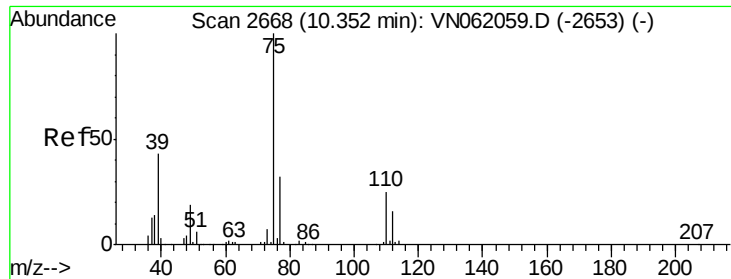
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.872 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

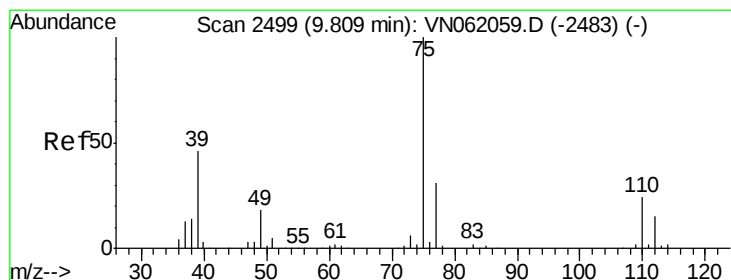
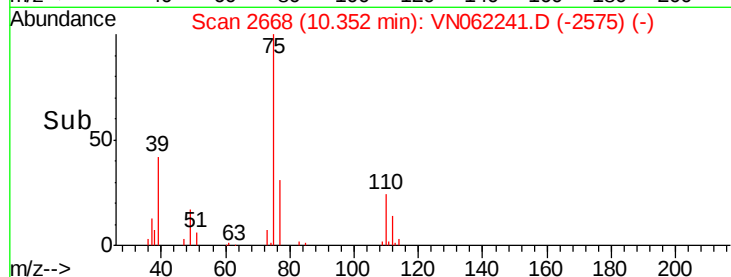
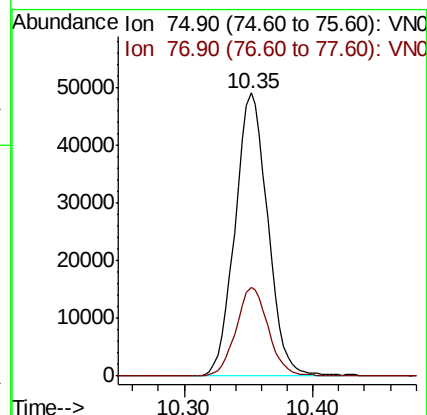
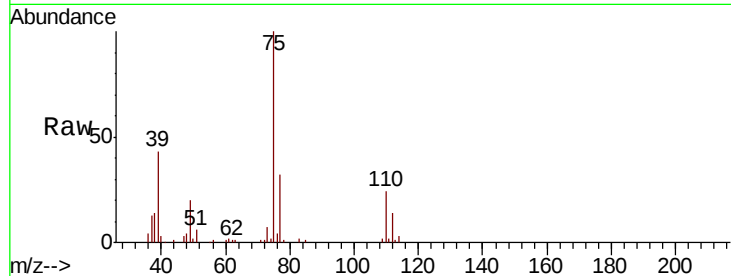
VN0630WBSD01

Tot Ion: 75 Resp: 86658

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.188 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

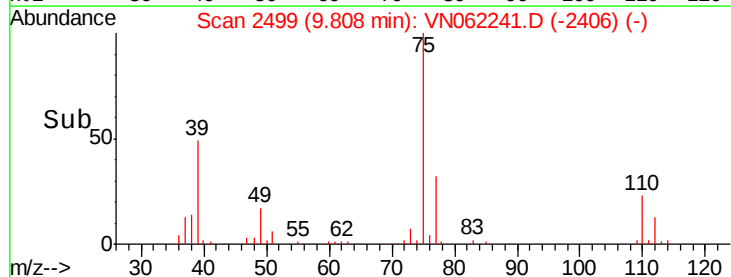
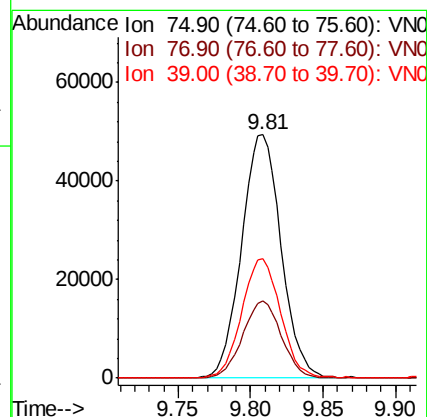
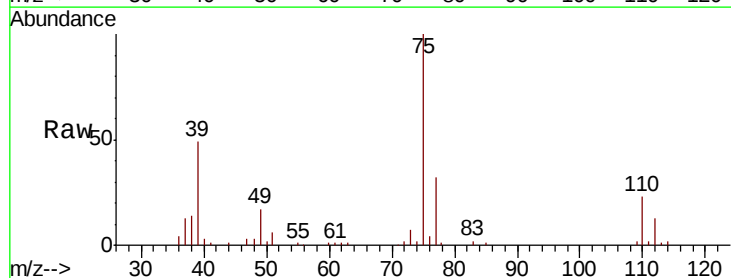
Tgt Ion: 75 Resp: 93805

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6

39 49.0 36.9 55.3





#55

1,1,2-Trichloroethane

Concen: 19.230 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

Tot Ion: 97 Resp: 56997

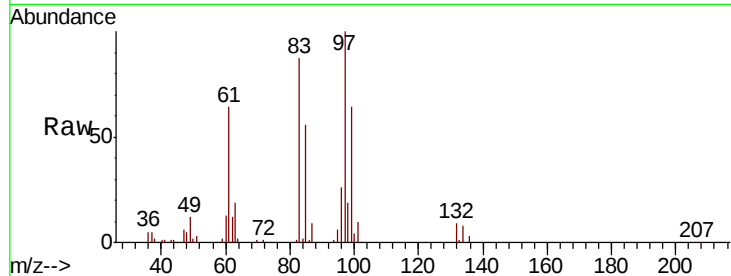
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.2	102.2
85	56.4	43.2	64.8
99	64.5	48.5	72.7

97 100

83 87.5 68.2 102.2

85 56.4 43.2 64.8

99 64.5 48.5 72.7



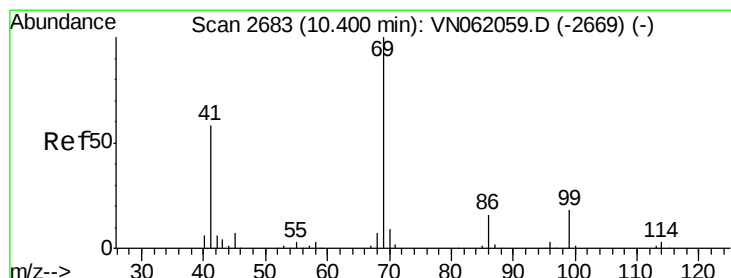
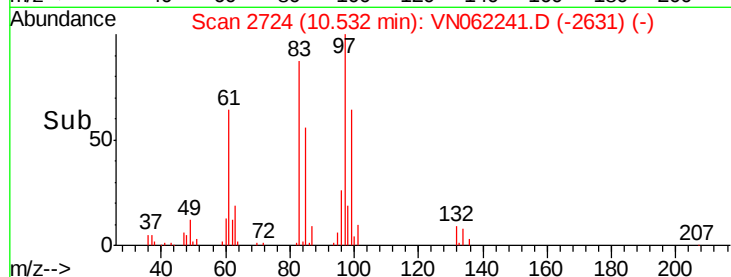
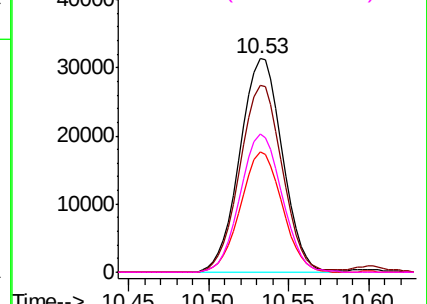
Abundance

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: 20.161 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

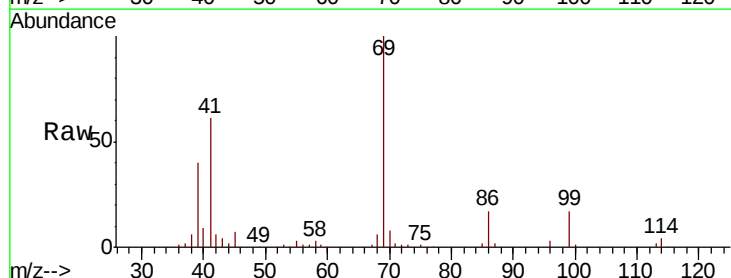
Tgt Ion: 69 Resp: 79749

Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.6	70.0
39	37.2	31.0	46.4

69 100

41 58.6 46.6 70.0

39 37.2 31.0 46.4

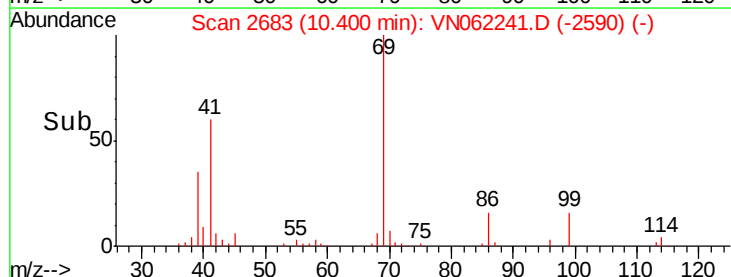
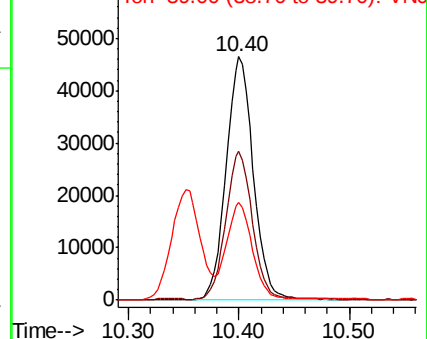


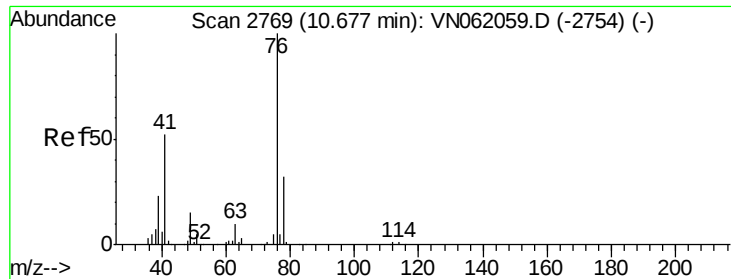
Abundance

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: 19.304 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

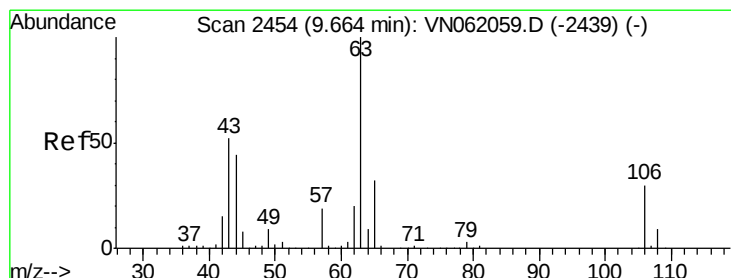
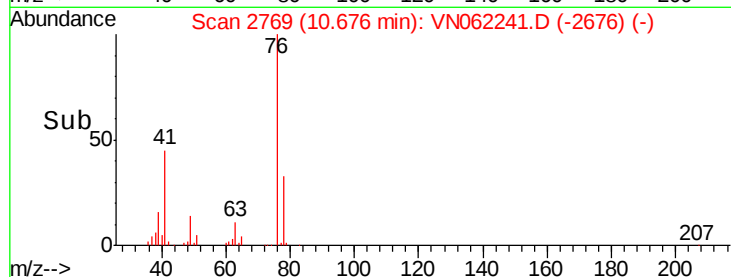
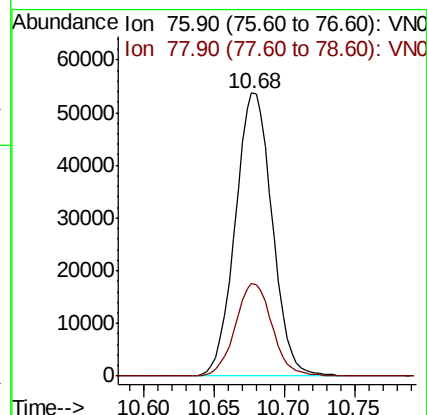
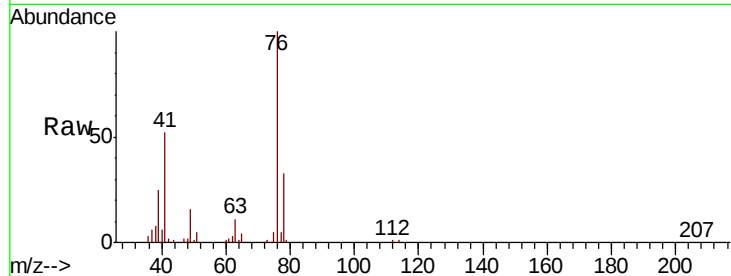
VN0630WBSD01

Tot Ion: 76 Resp: 98484

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 94.770 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062241.D

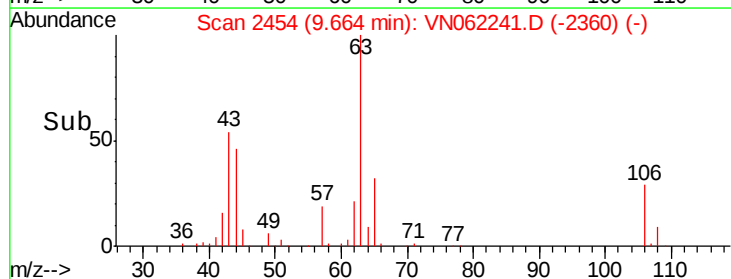
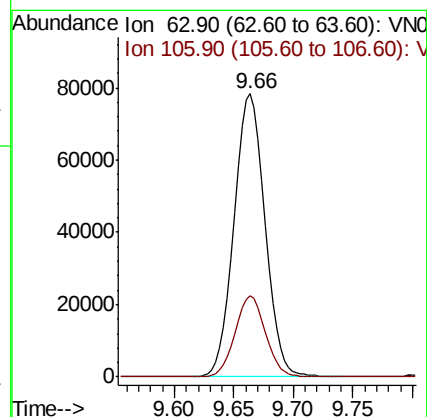
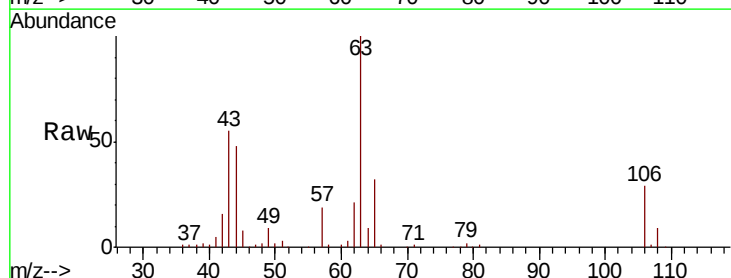
Acq: 30 Jun 2020 15:50

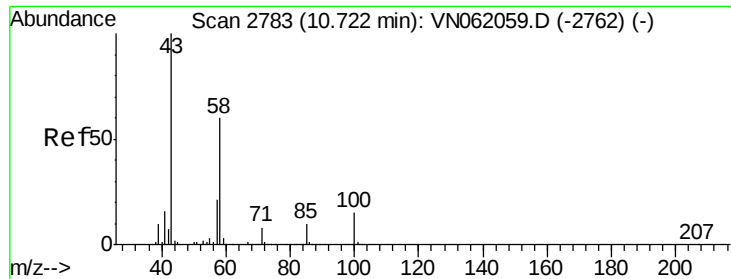
Tgt Ion: 63 Resp: 141607

Ion Ratio Lower Upper

63 100

106 28.1 23.2 34.8

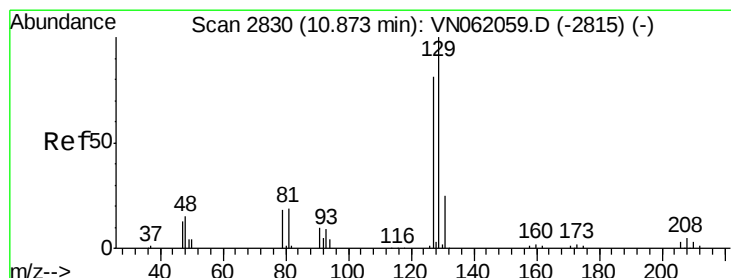
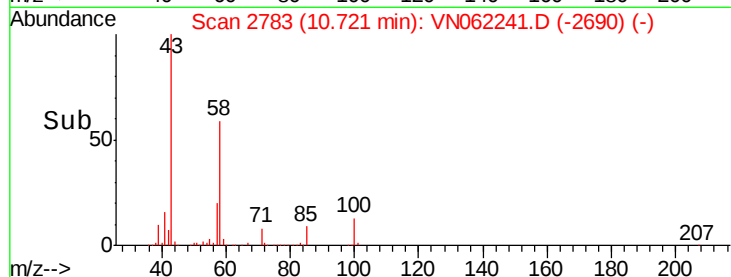
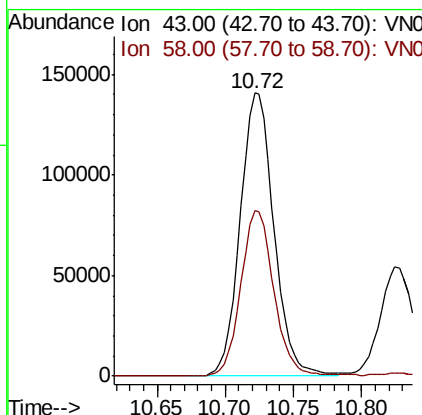
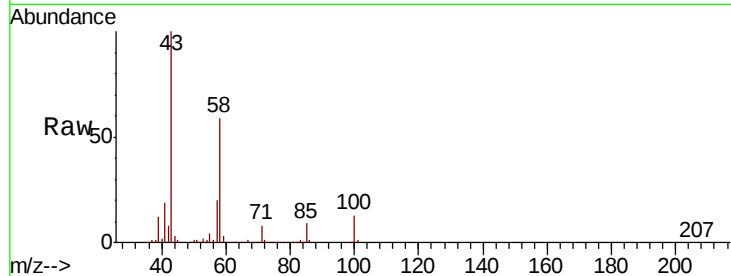




#59
2-Hexanone
Concen: 104.667 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

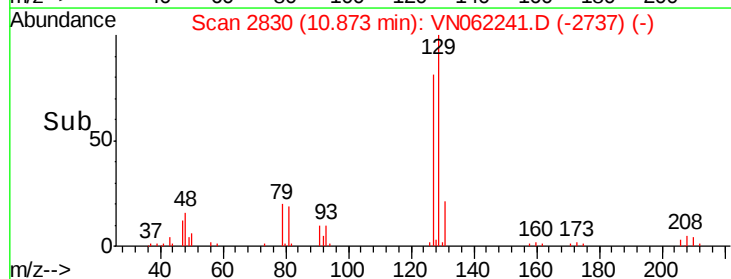
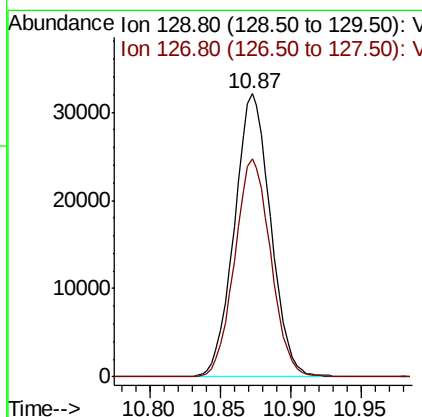
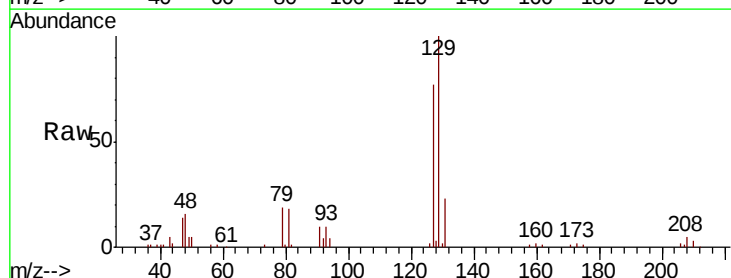
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

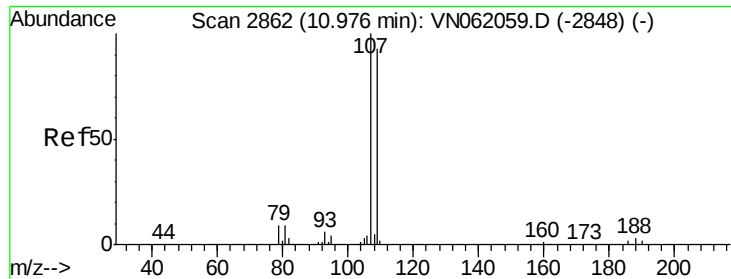
Tot Ion: 43 Resp: 241681
Ion Ratio Lower Upper
43 100
58 57.5 29.5 88.5



#60
Dibromochloromethane
Concen: 18.400 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 129 Resp: 57739
Ion Ratio Lower Upper
129 100
127 76.7 39.5 118.5

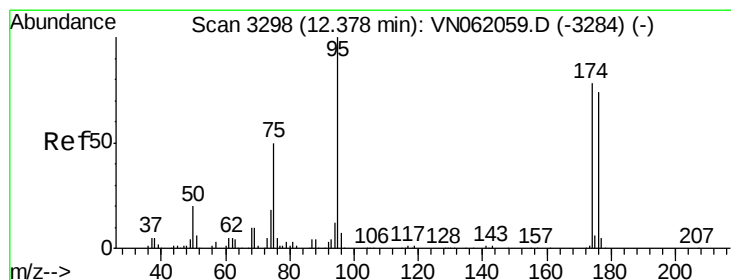
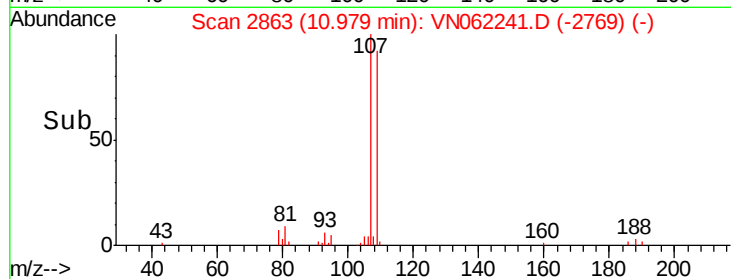
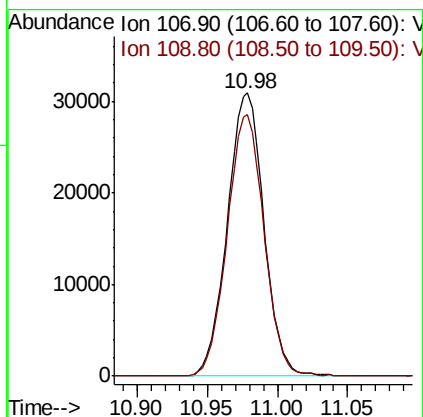
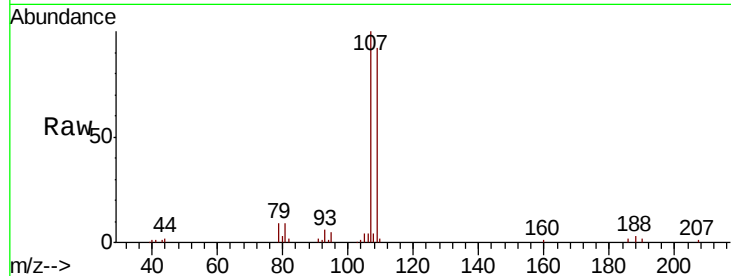




#61
 1,2-Dibromoethane
 Concen: 18.419 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

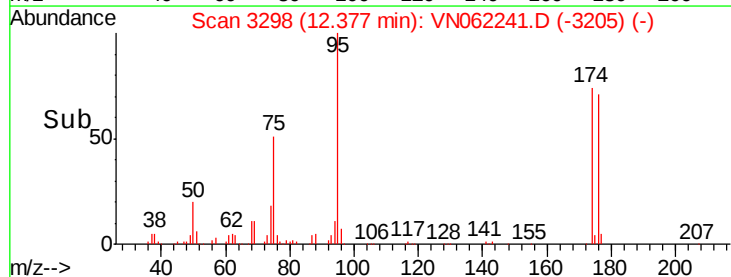
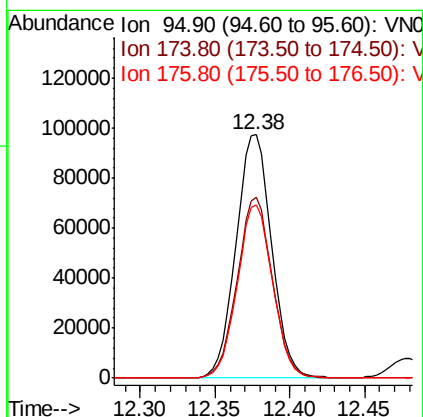
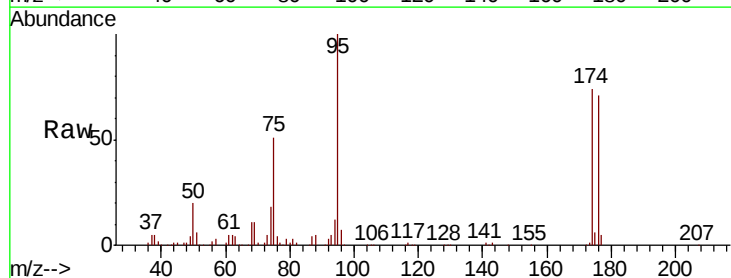
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

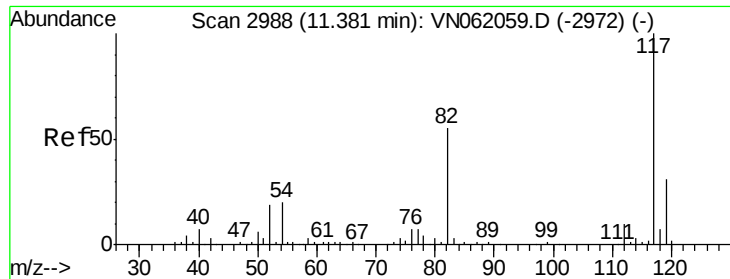
Tot Ion: 107 Resp: 56098
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.368 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion: 95 Resp: 162053
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 154.8
 176 70.5 0.0 147.4

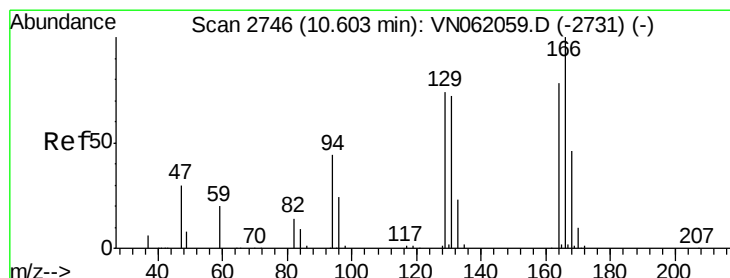
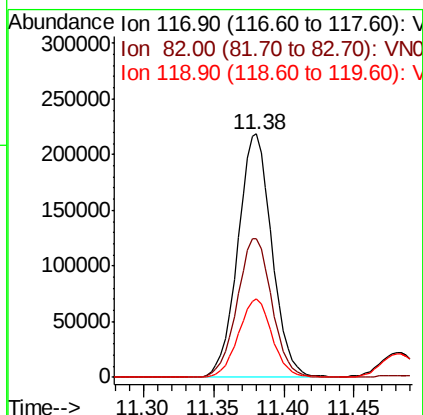
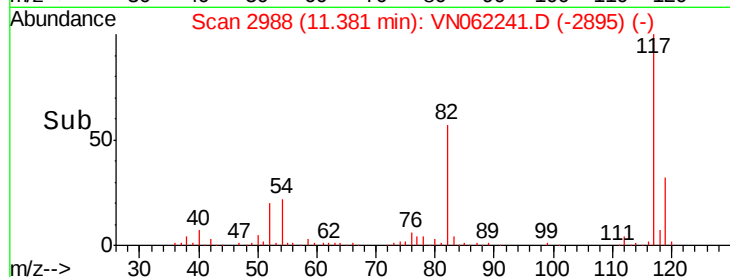
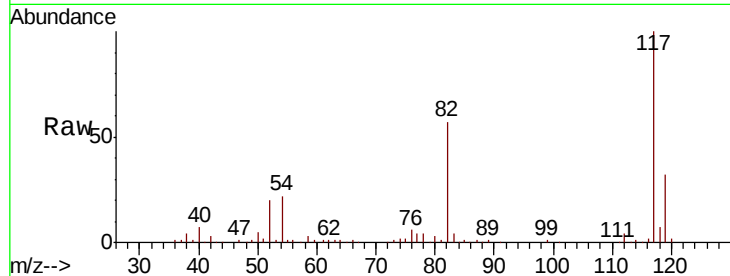




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

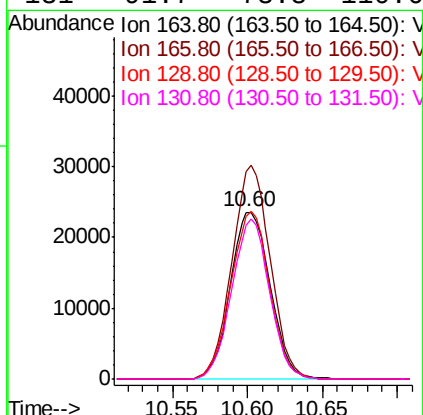
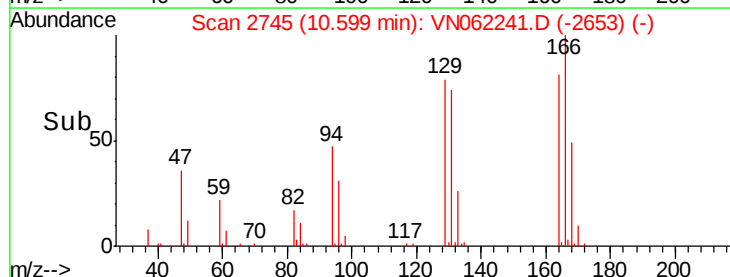
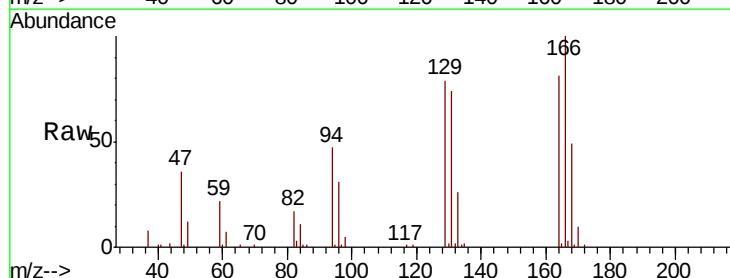
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

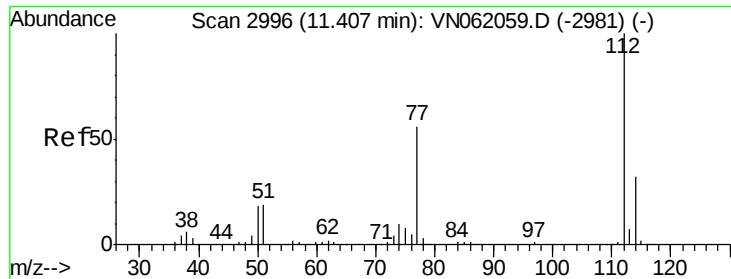
Tot Ion:117 Resp: 369444
Ion Ratio Lower Upper
117 100
82 57.2 43.8 65.8
119 32.2 25.2 37.8



#64
Tetrachloroethene
Concen: 17.282 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion:164 Resp: 43613
Ion Ratio Lower Upper
164 100
166 124.1 102.9 154.3
129 97.5 75.8 113.8
131 91.7 73.8 110.6

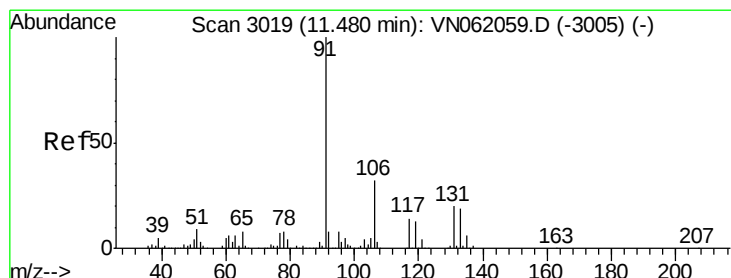
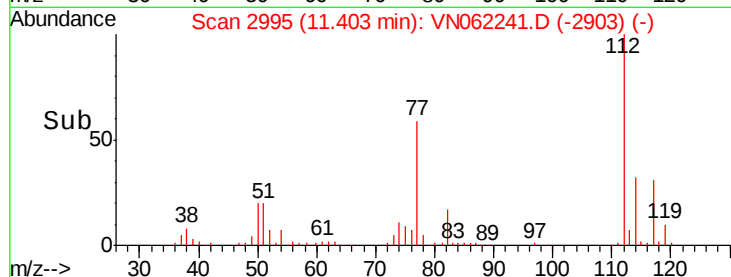
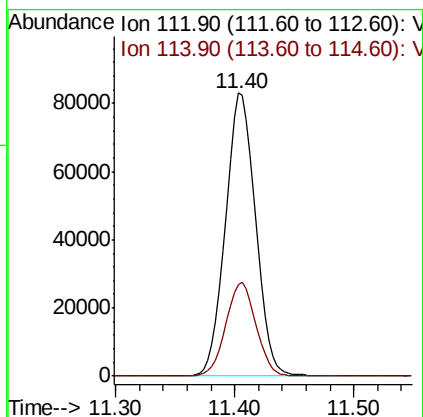
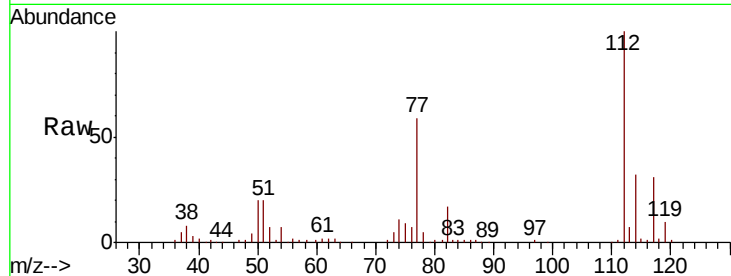




#65
Chlorobenzene
Concen: 17.946 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

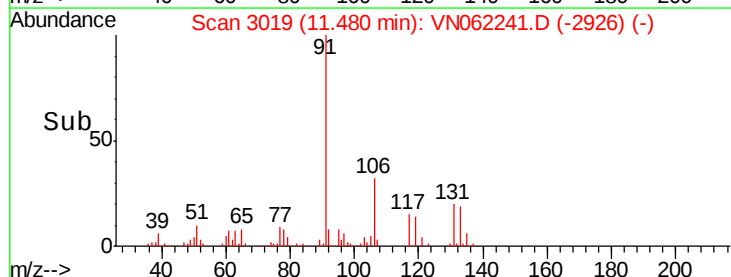
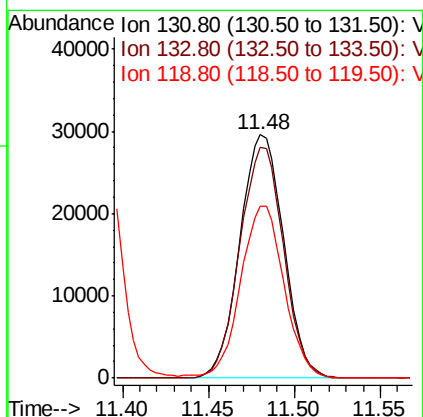
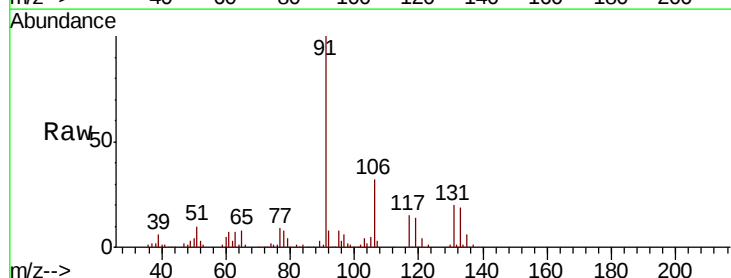
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

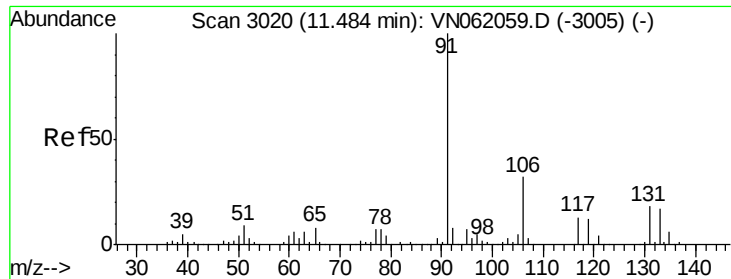
Tot Ion:112 Resp: 145600
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.659 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion:131 Resp: 52346
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 70.0 34.4 103.3

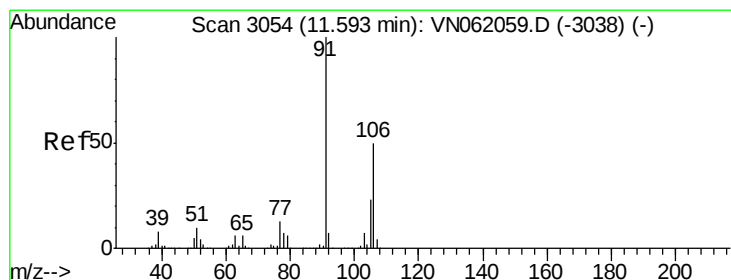
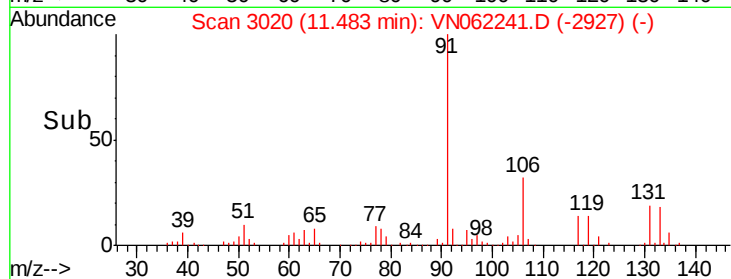
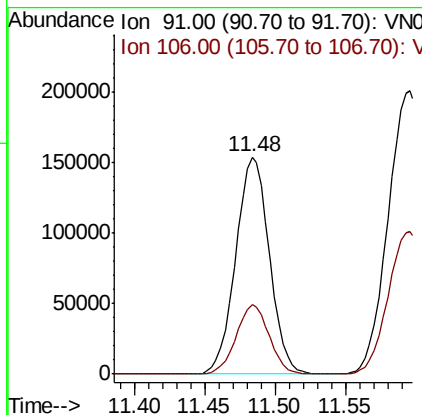
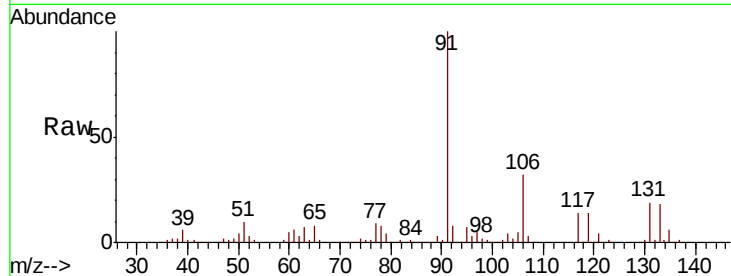




#67
Ethyl Benzene
Concen: 18.764 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

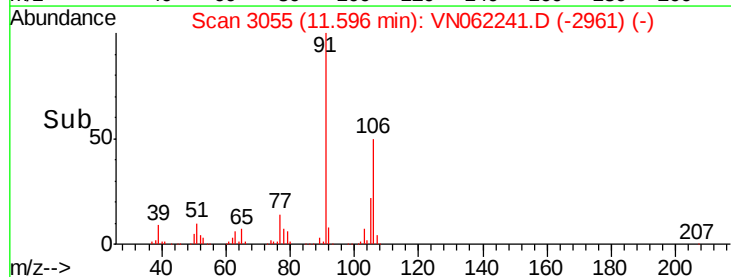
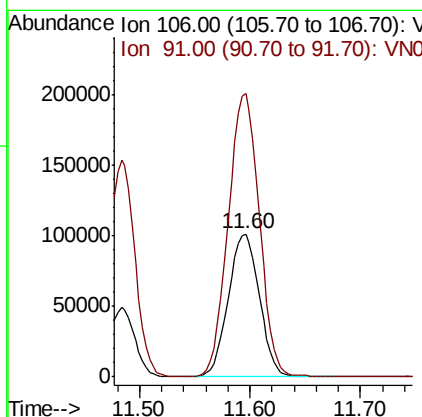
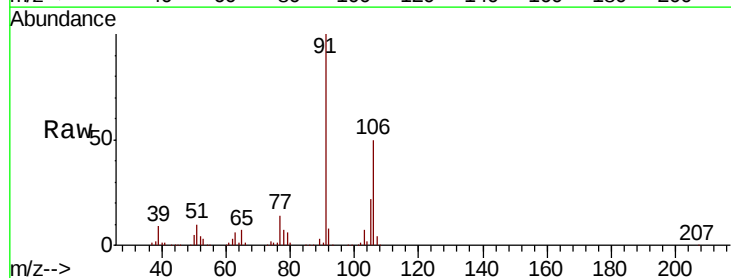
Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion: 91 Resp: 257099
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9



#68
m/p-Xylenes
Concen: 37.377 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 106 Resp: 198086
Ion Ratio Lower Upper
106 100
91 197.5 157.8 236.8

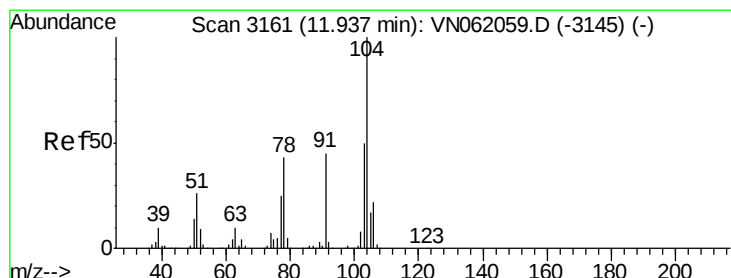
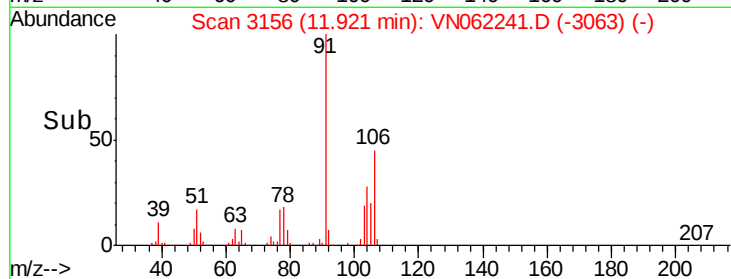
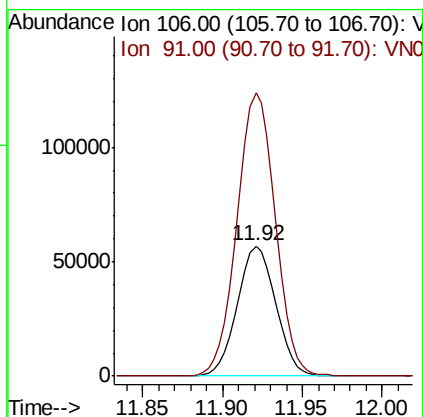
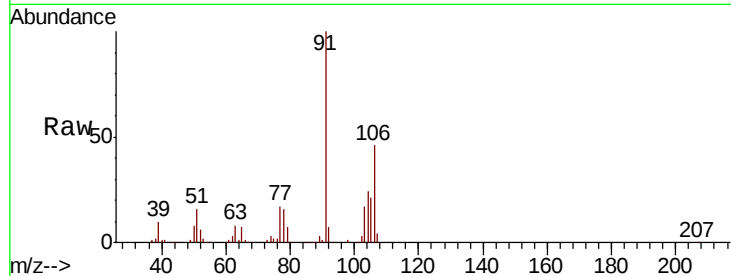




#69
o-Xylene
Concen: 18.652 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

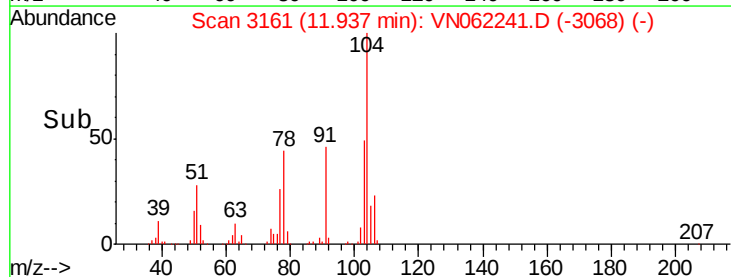
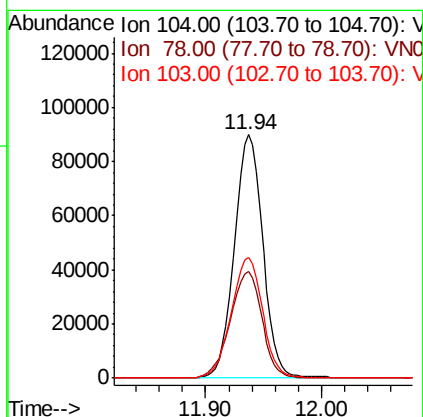
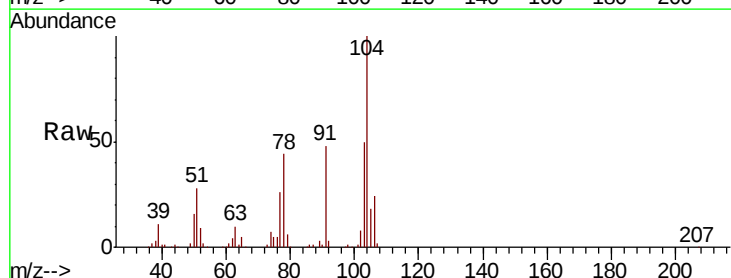
Instrument :
MSVOA_N
ClientSampled :
VN0630WBSD01

Tot Ion:106 Resp: 93268
Ion Ratio Lower Upper
106 100
91 216.9 104.0 311.9



#70
Styrene
Concen: 18.336 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion:104 Resp: 152909
Ion Ratio Lower Upper
104 100
78 48.6 37.7 56.5
103 54.7 43.0 64.6





#71

Bromoform

Concen: 18.162 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

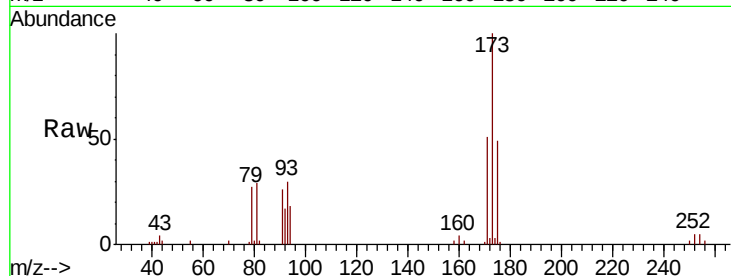
Tot Ion:173 Resp: 36227

Ion Ratio Lower Upper

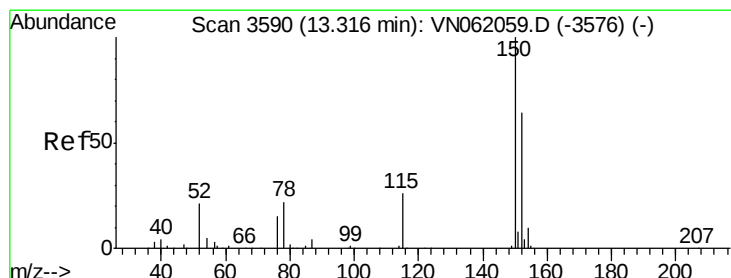
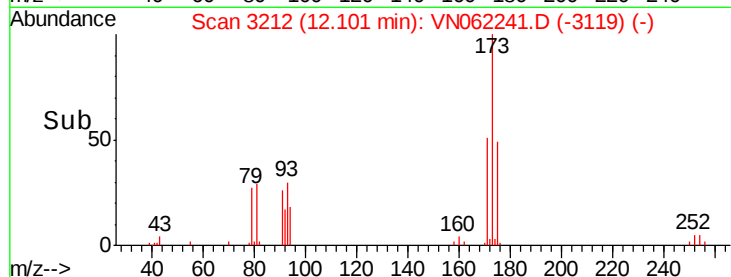
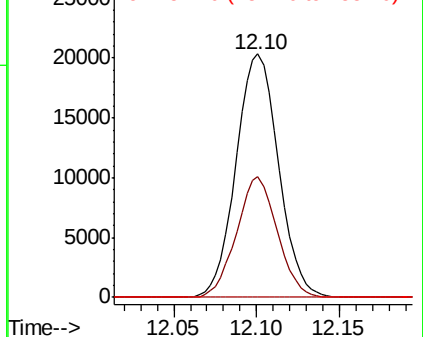
173 100

175 47.4 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# 3590

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

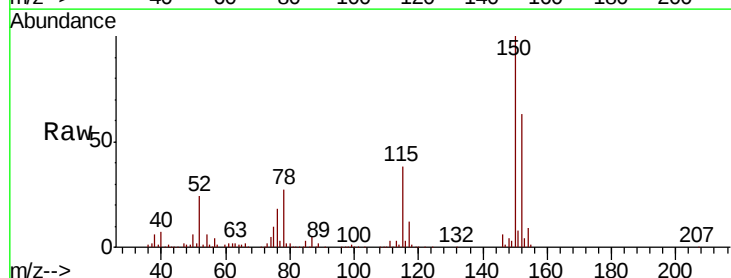
Tgt Ion:152 Resp: 162043

Ion Ratio Lower Upper

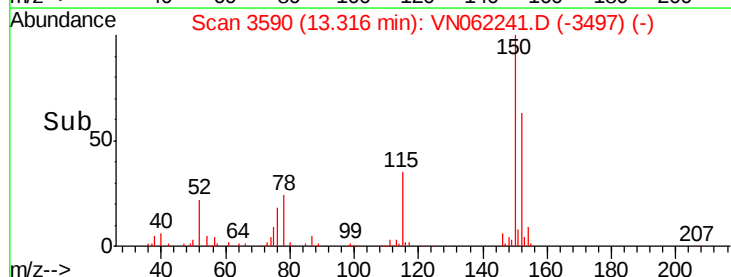
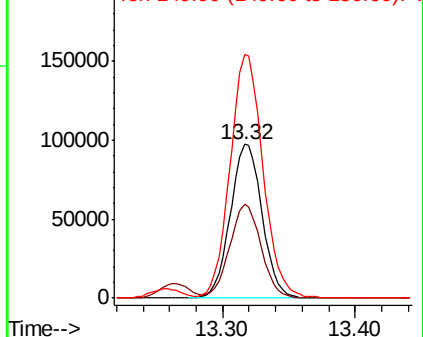
152 100

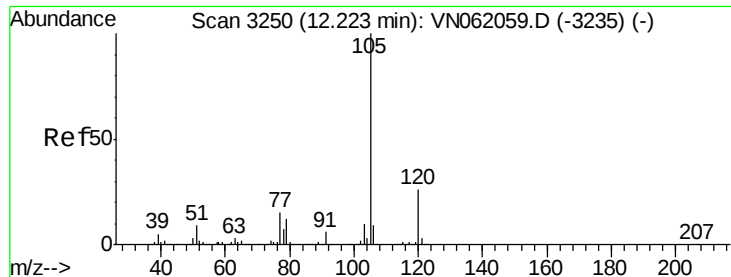
115 60.4 29.5 88.5

150 164.7 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: 19.753 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

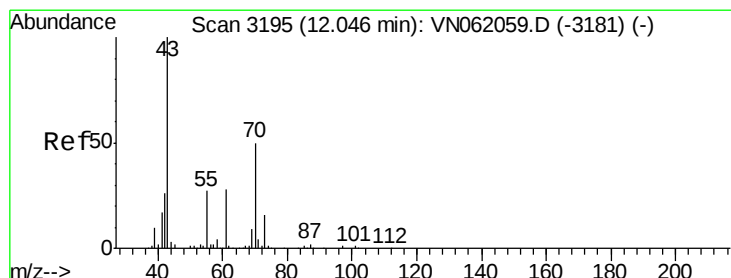
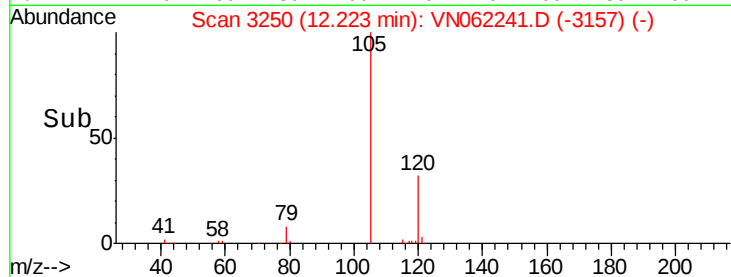
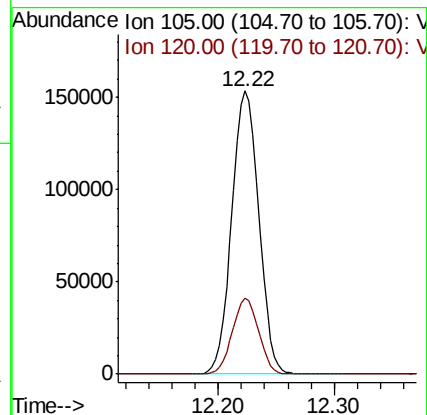
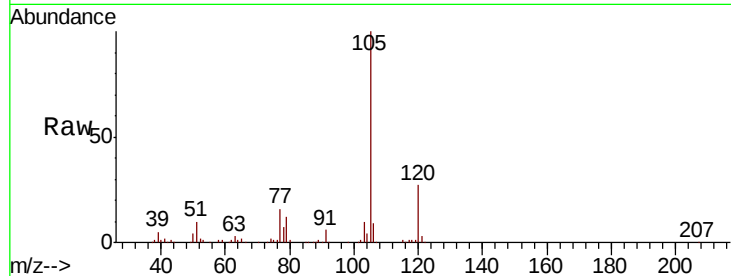
VN0630WBSD01

Tot Ion:105 Resp: 247766

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 21.251 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Tgt Ion: 43 Resp: 88611

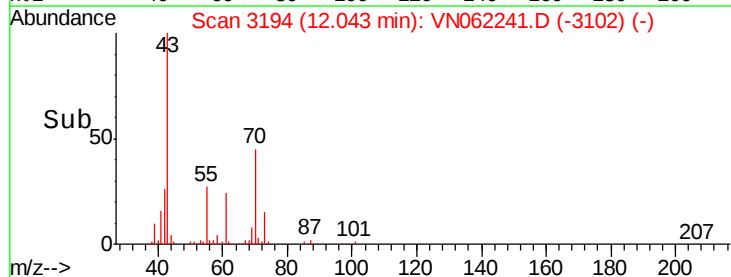
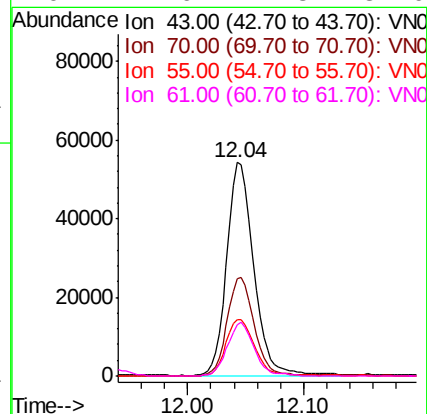
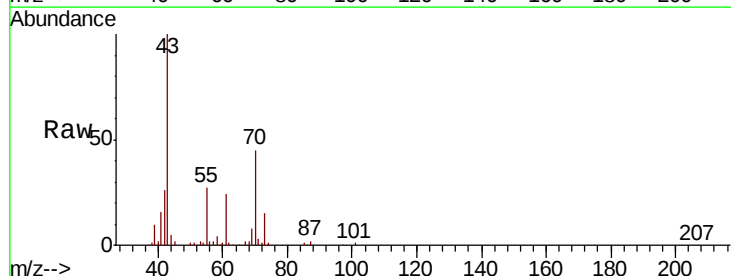
Ion Ratio Lower Upper

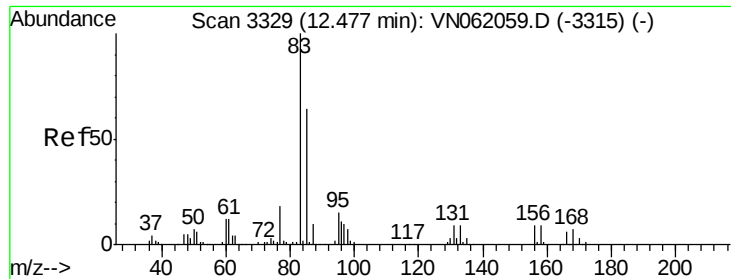
43 100

70 46.0 39.4 59.2

55 27.5 21.7 32.5

61 24.6 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.543 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

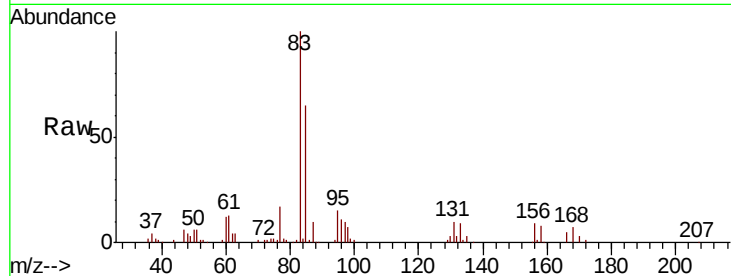
Tot Ion: 83 Resp: 85748

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

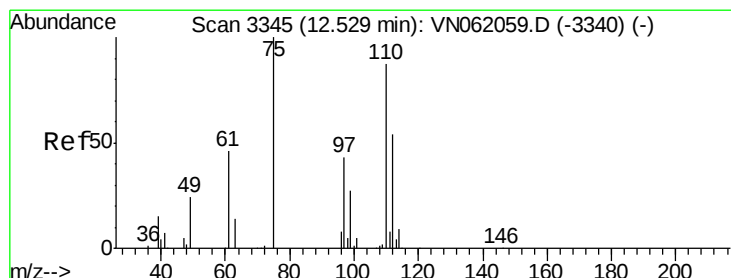
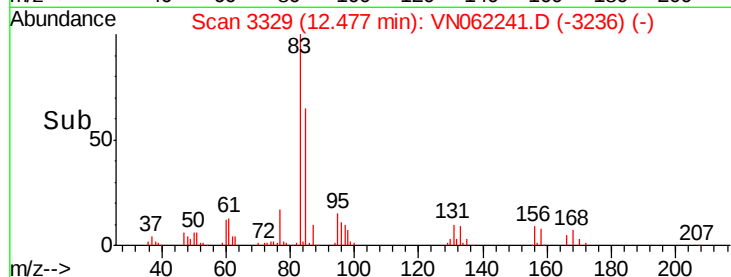
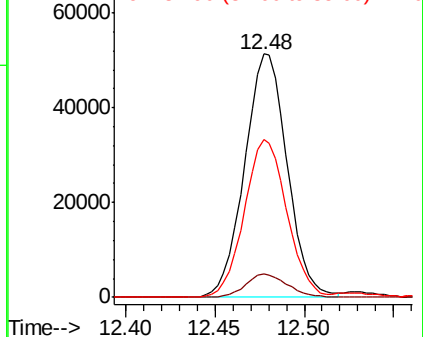
85 64.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN062241.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062241.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062241.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 27.496 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062241.D

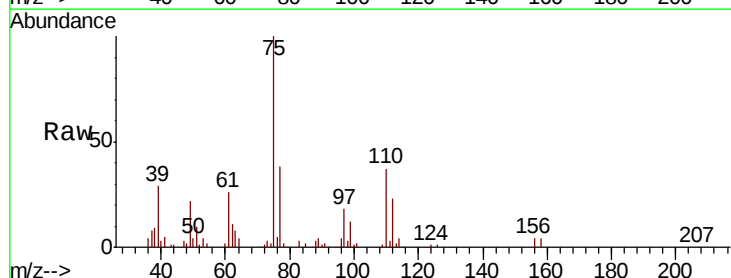
Acq: 30 Jun 2020 15:50

Tgt Ion: 75 Resp: 104888

Ion Ratio Lower Upper

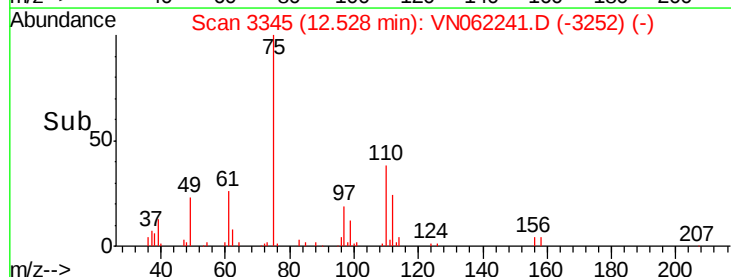
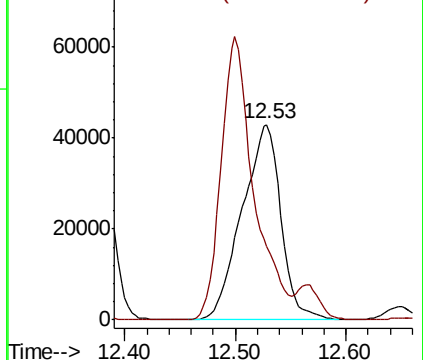
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062241.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062241.D (-3252) (-)





#77

Bromobenzene

Concen: 18.496 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

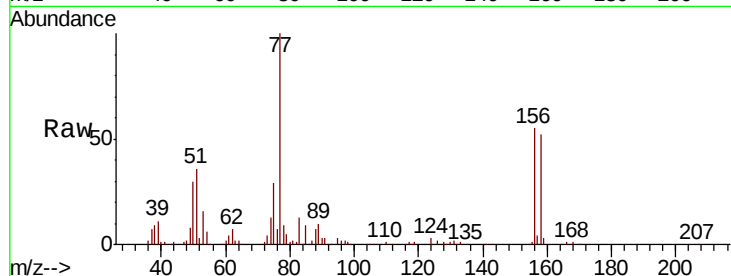
Tot Ion:156 Resp: 57599

Ion Ratio Lower Upper

156 100

77 223.7 104.6 313.8

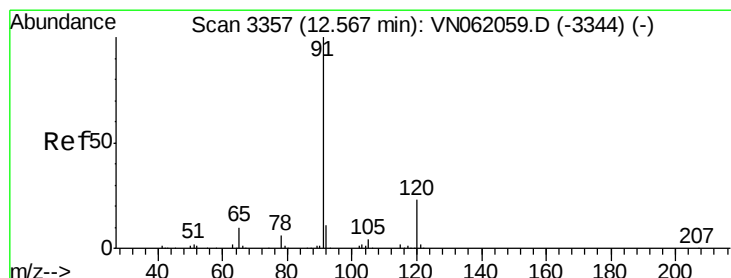
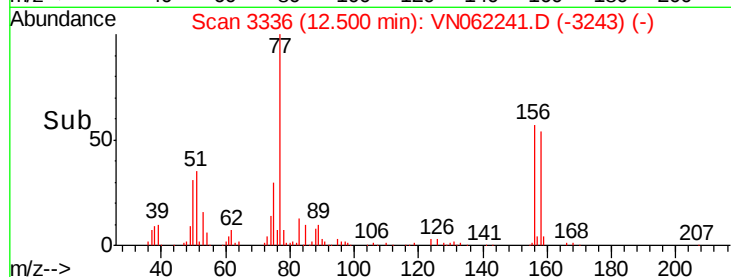
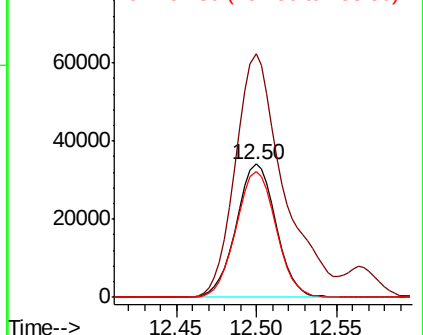
158 95.3 48.0 144.0



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: 20.115 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062241.D

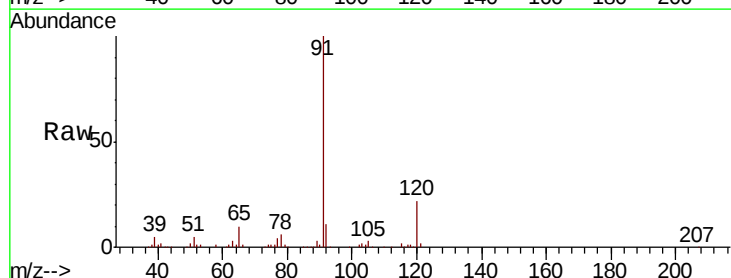
Acq: 30 Jun 2020 15:50

Tgt Ion: 91 Resp: 288606

Ion Ratio Lower Upper

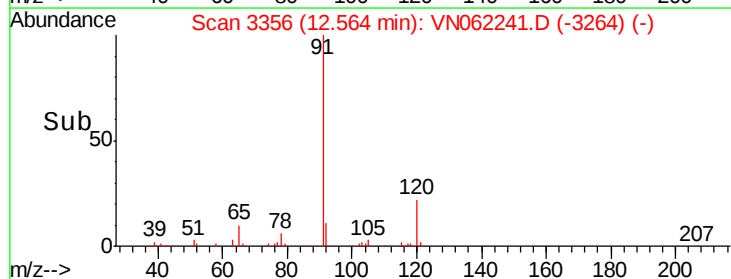
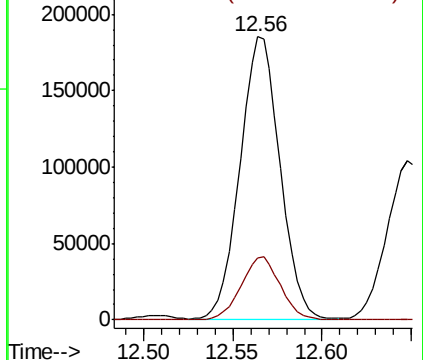
91 100

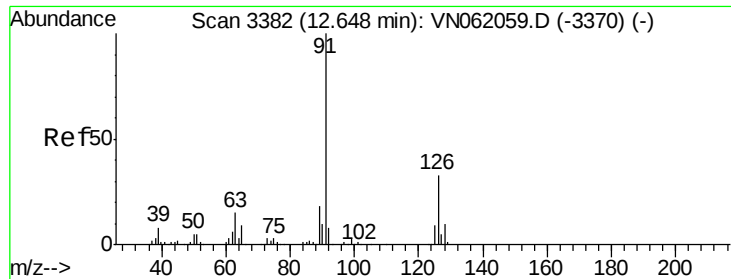
120 22.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.992 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

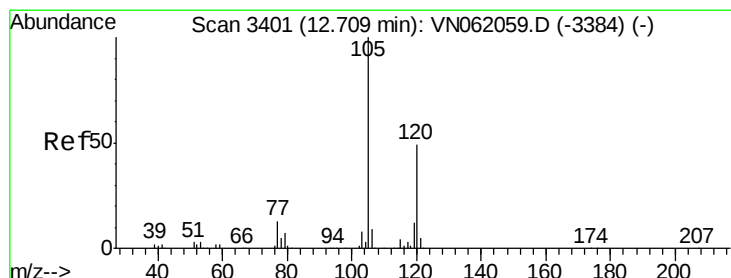
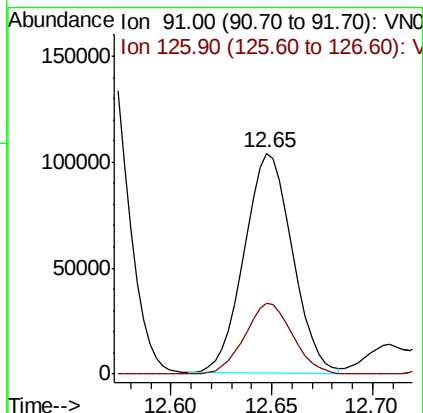
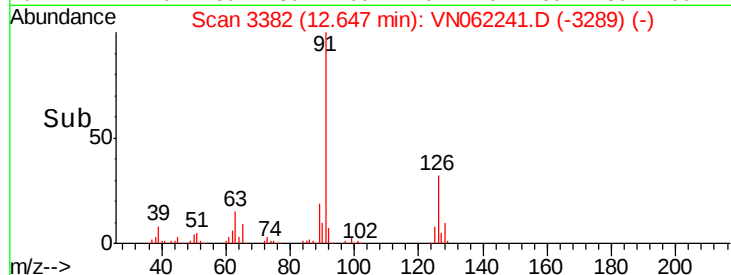
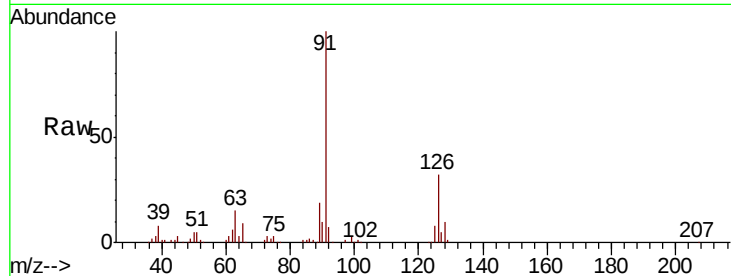
VN0630WBSD01

Tot Ion: 91 Resp: 173408

Ion Ratio Lower Upper

91 100

126 32.1 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 19.928 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062241.D

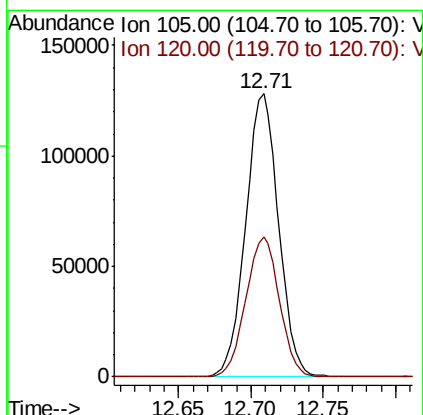
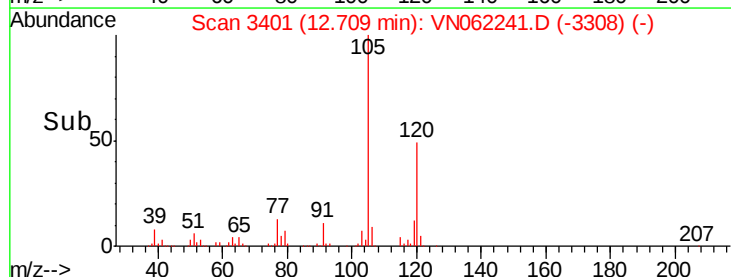
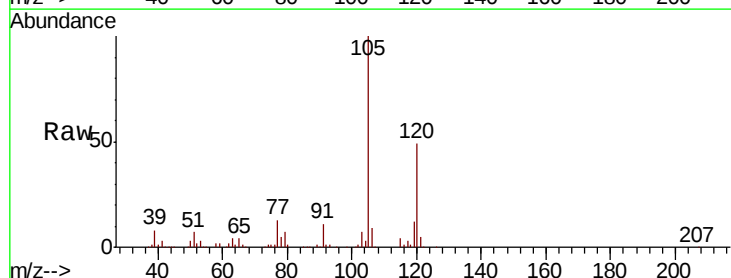
Acq: 30 Jun 2020 15:50

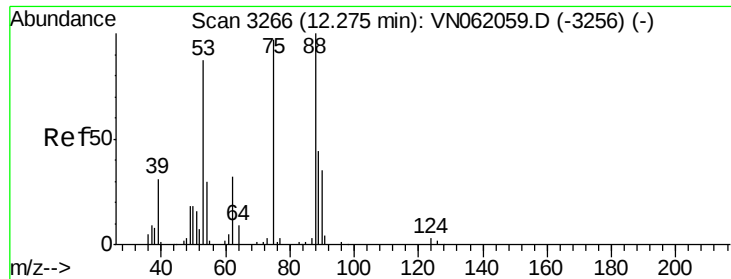
Tgt Ion:105 Resp: 202632

Ion Ratio Lower Upper

105 100

120 50.4 24.6 74.0

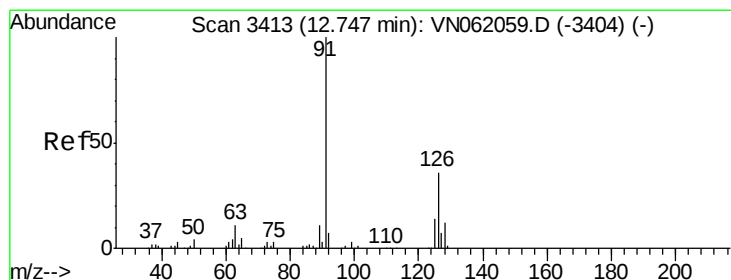
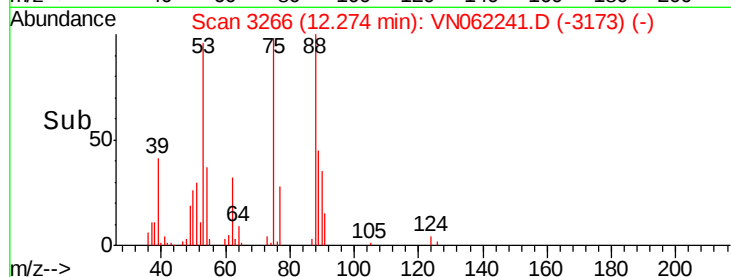
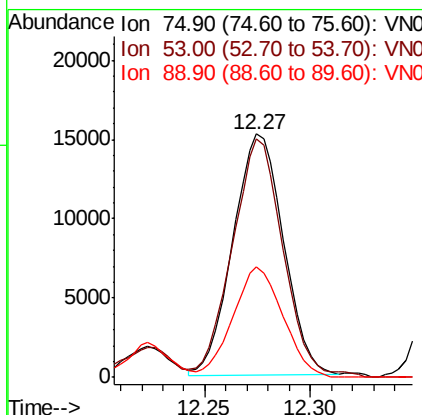
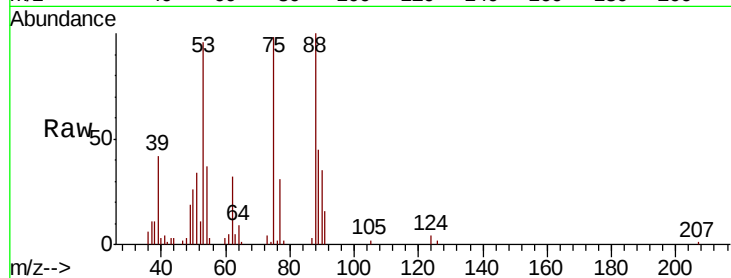




#81
trans-1,4-Dichloro-2-butene
Concen: 19.376 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

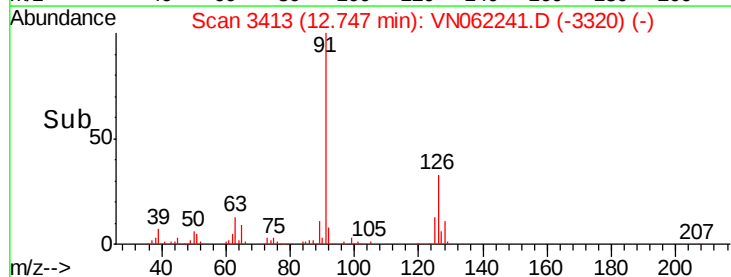
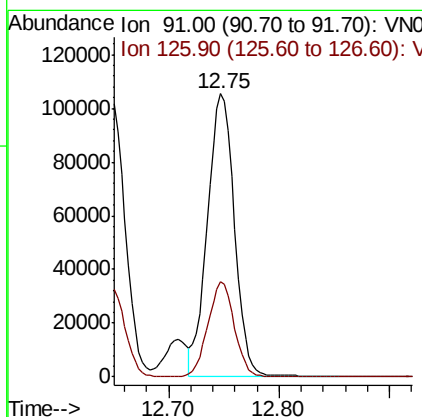
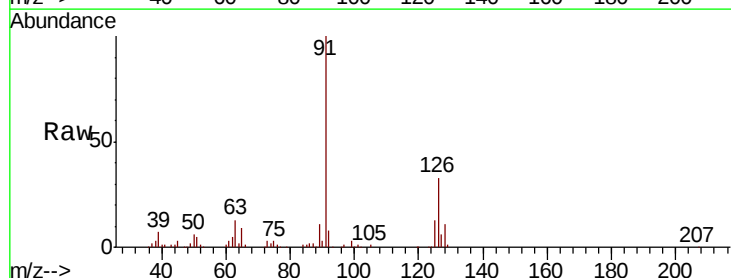
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBSD01

Tot Ion: 75 Resp: 25309
Ion Ratio Lower Upper
75 100
53 99.6 72.0 108.0
89 45.3 36.9 55.3



#82
4-Chlorotoluene
Concen: 19.870 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062241.D
Acq: 30 Jun 2020 15:50

Tgt Ion: 91 Resp: 178224
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.1

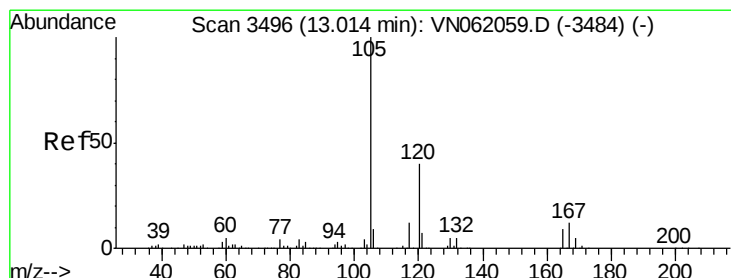
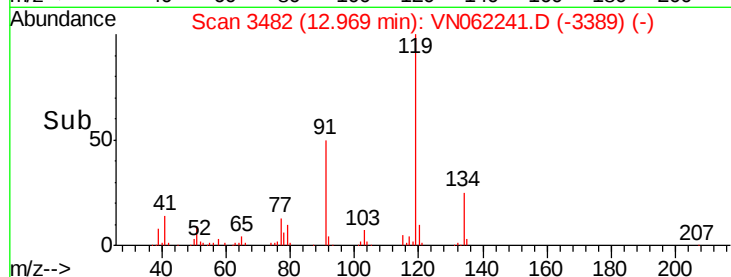
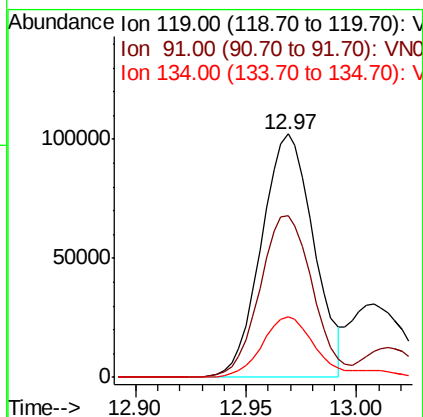
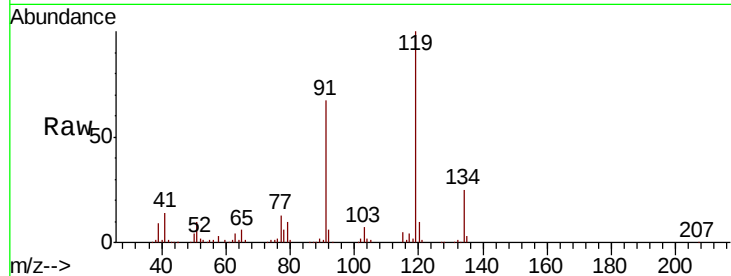




#83
 tert-Butylbenzene
 Concen: 19.350 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

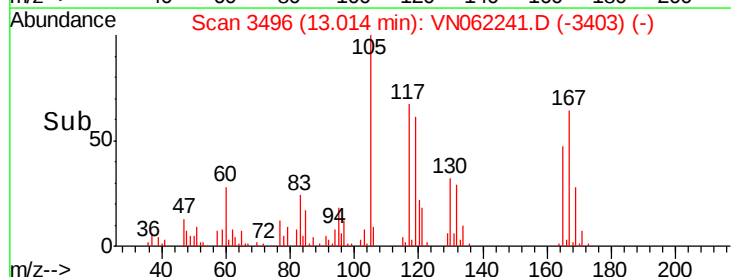
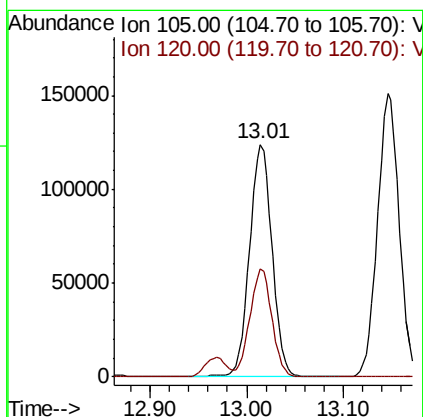
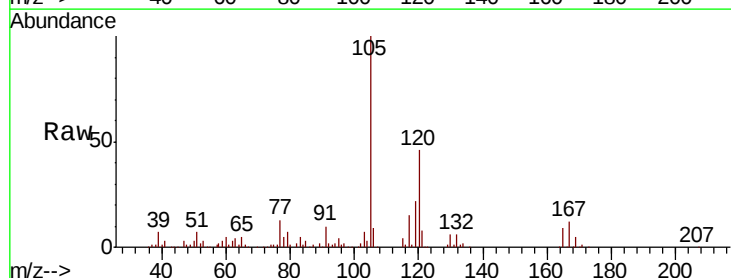
Instrument :
 MSVOA_N
 ClientSampled :
 VN0630WBSD01

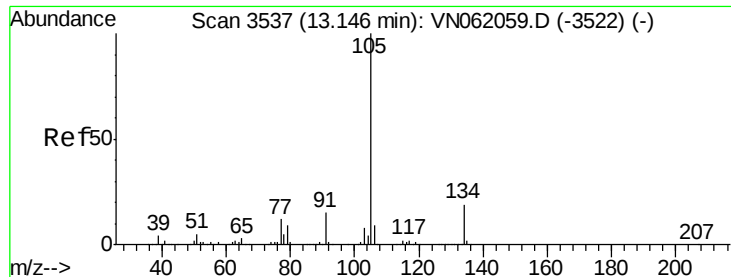
Tot Ion:119 Resp: 168385
 Ion Ratio Lower Upper
 119 100
 91 67.2 31.7 95.1
 134 25.0 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.809 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion:105 Resp: 201177
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.2 69.5

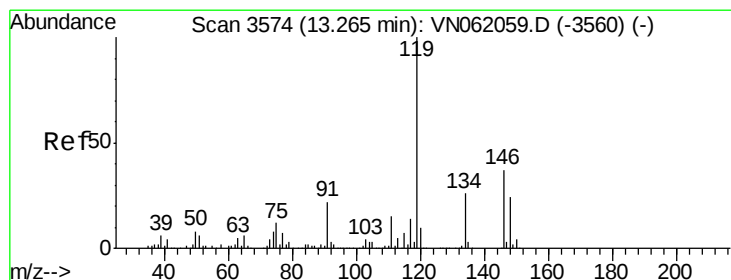
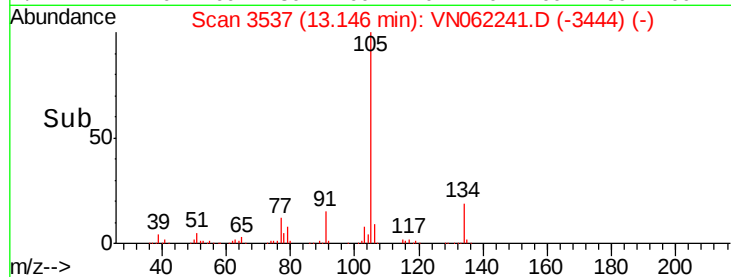
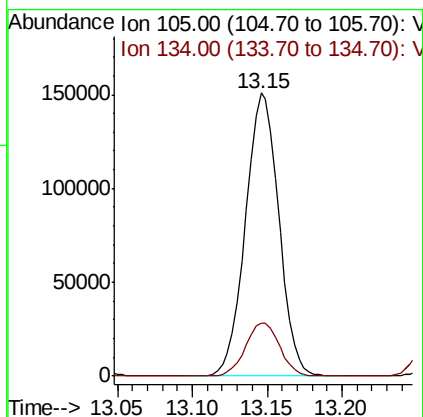
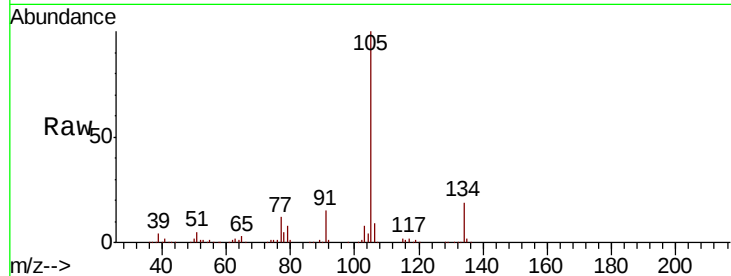




#85
 sec-Butylbenzene
 Concen: 20.325 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

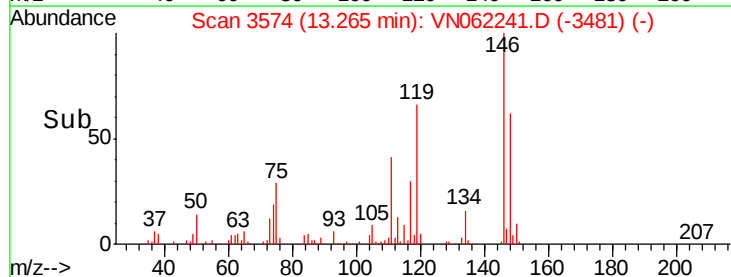
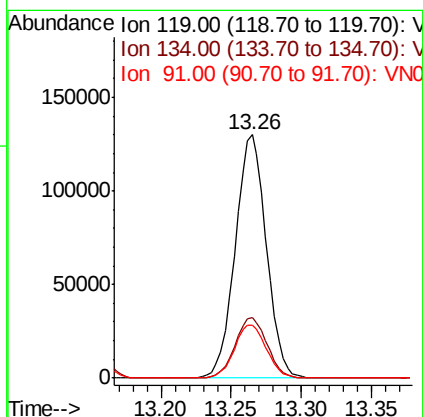
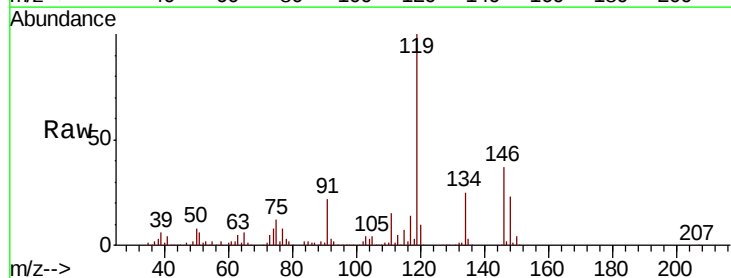
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

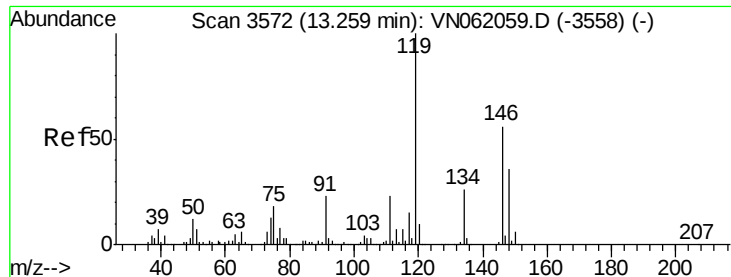
Tot Ion:105 Resp: 233712
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 19.937 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion:119 Resp: 200850
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 39.0
 91 22.7 11.3 33.8

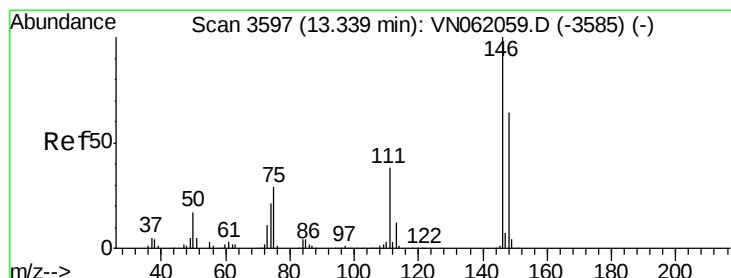
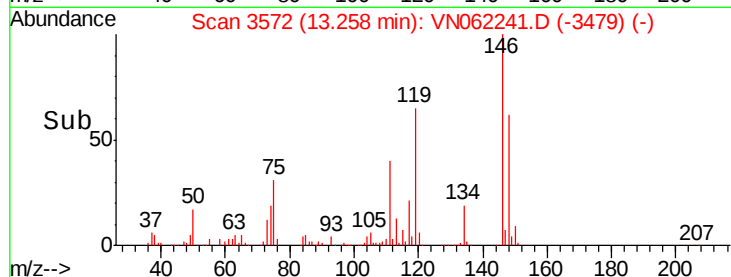
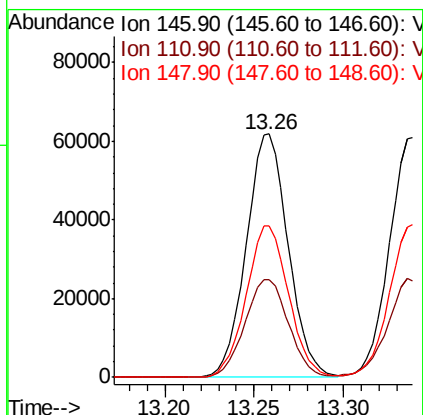
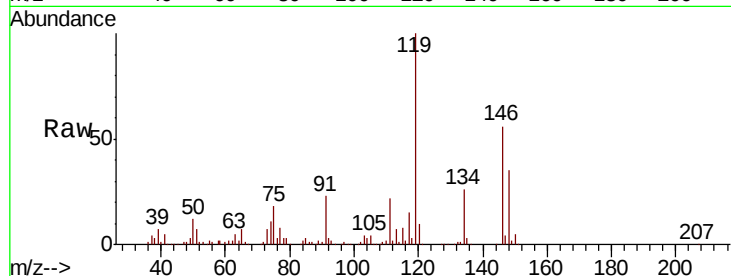




#87
 1,3-Dichlorobenzene
 Concen: 18.589 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

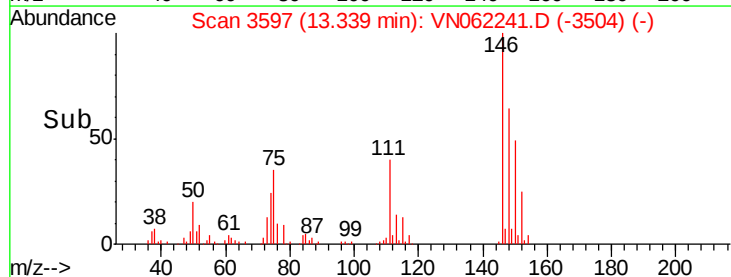
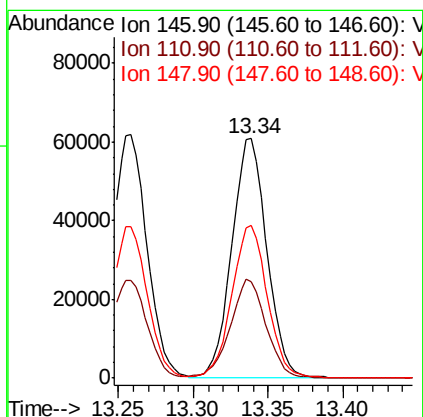
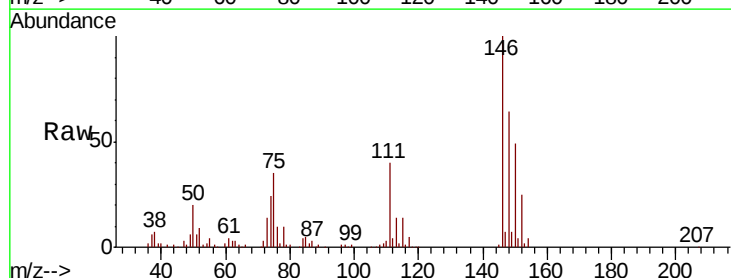
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

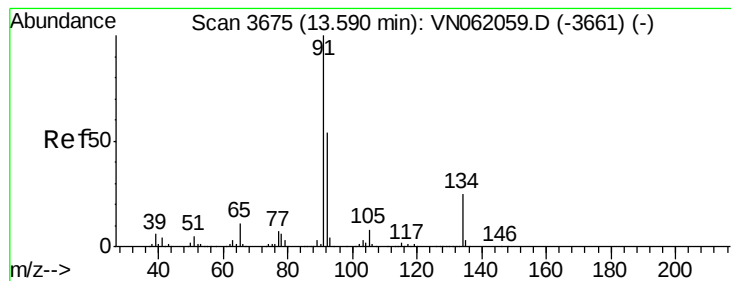
Tot Ion:146 Resp: 101654
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 61.0
 148 62.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 17.670 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion:146 Resp: 99601
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.9 59.6
 148 64.4 31.9 95.9





#89

n-Butylbenzene

Concen: 19.113 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampled :

VN0630WBSD01

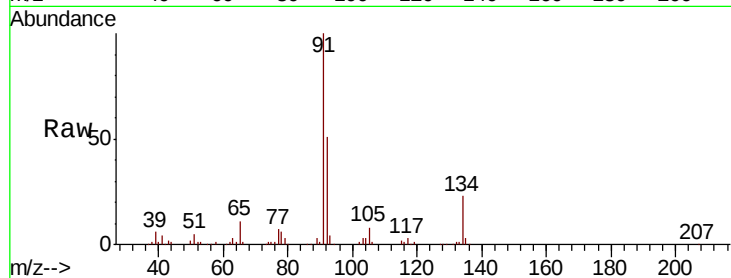
Tot Ion: 91 Resp: 160082

Ion Ratio Lower Upper

91 100

92 52.1 26.6 79.7

134 23.9 12.3 36.9

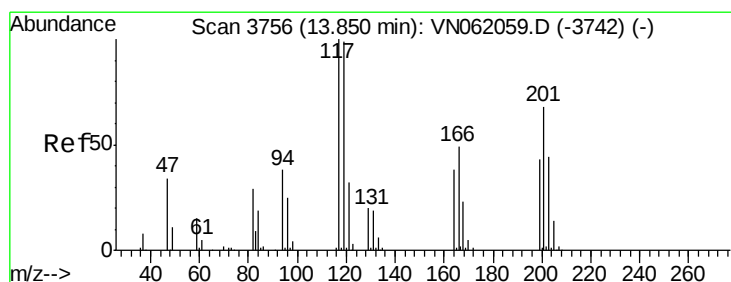
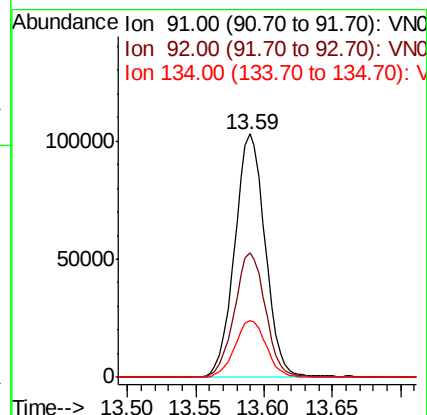
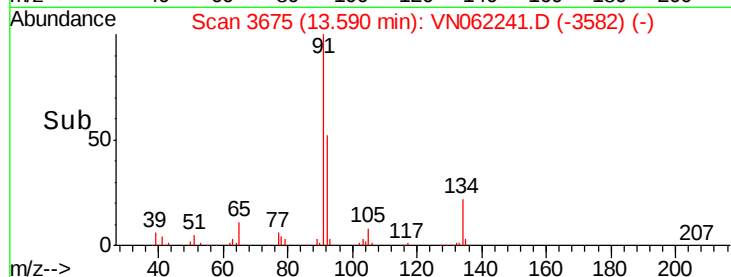


Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062059.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062059.D (-3661) (-)

Time--> 13.50 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 19.812 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062241.D

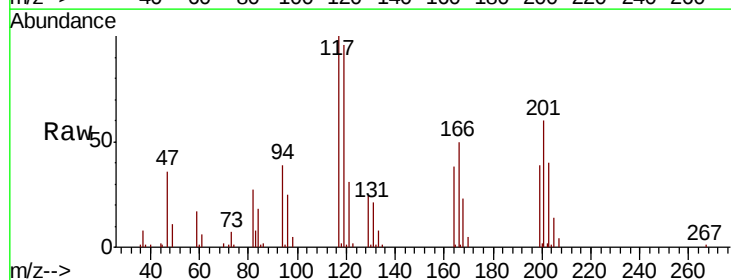
Acq: 30 Jun 2020 15:50

Tgt Ion: 117 Resp: 39159

Ion Ratio Lower Upper

117 100

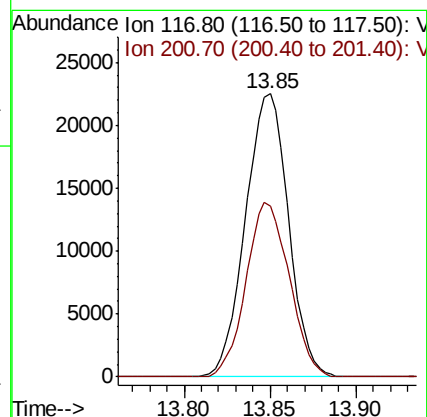
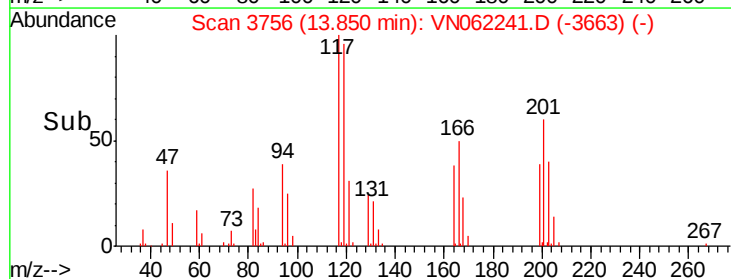
201 61.7 32.7 98.1



Abundance Ion 116.80 (116.50 to 117.50): VN062059.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062059.D (-3742) (-)

Time--> 13.80 13.85 13.90





#91

1,2-Dichlorobenzene

Concen: 18.785 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

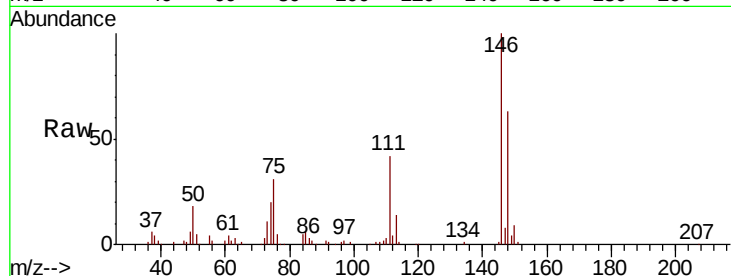
Tot Ion:146 Resp: 99611

Ion Ratio Lower Upper

146 100

111 43.5 21.2 63.6

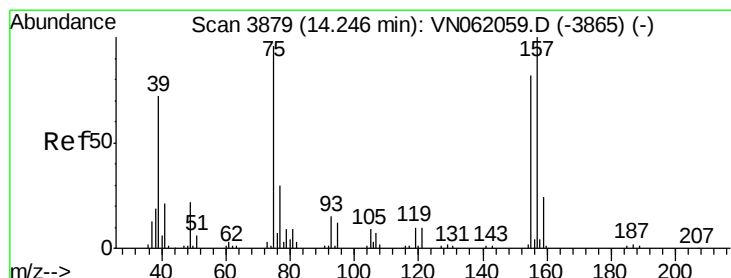
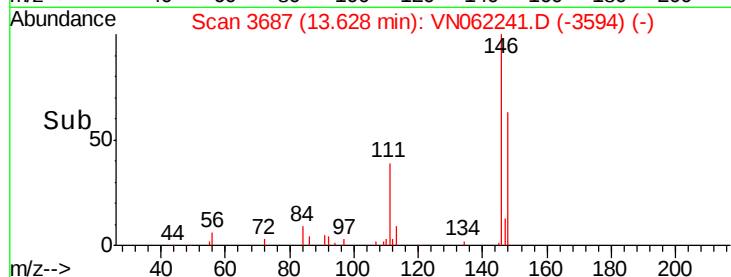
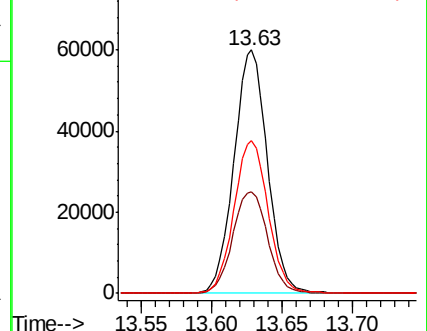
148 64.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.003 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

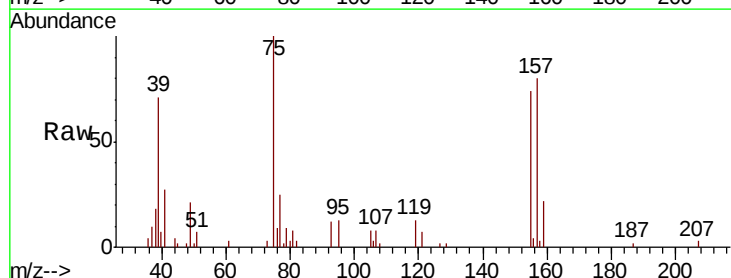
Tgt Ion: 75 Resp: 14713

Ion Ratio Lower Upper

75 100

155 75.7 40.8 122.4

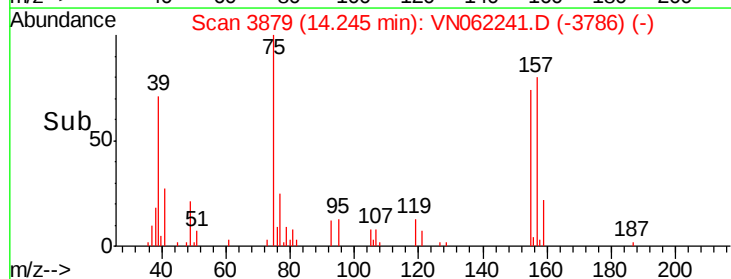
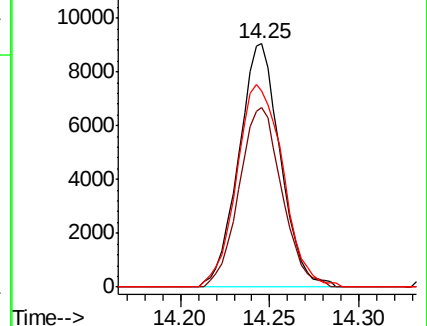
157 92.5 51.4 154.3

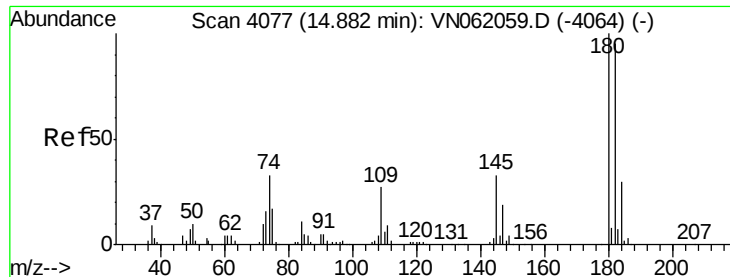


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

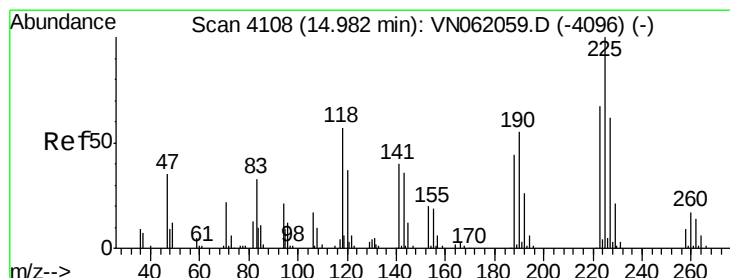
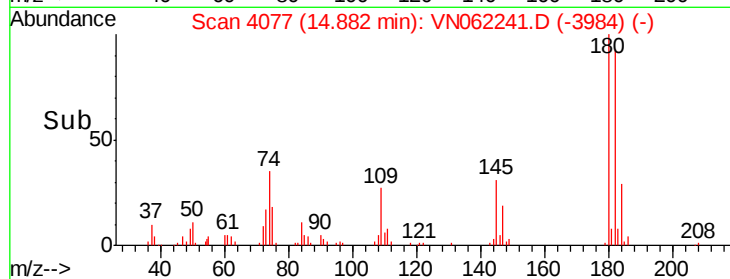
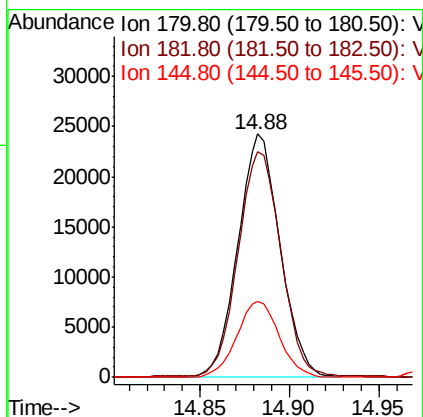
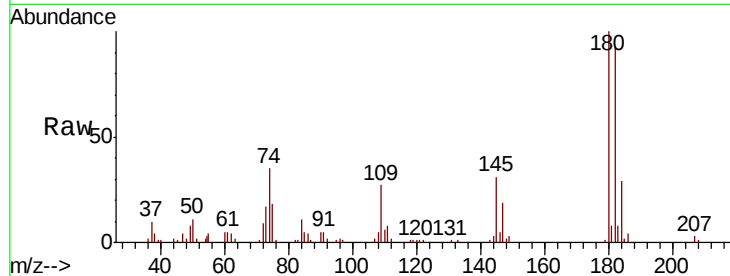




#93
 1,2,4-Trichlorobenzene
 Concen: 17.190 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

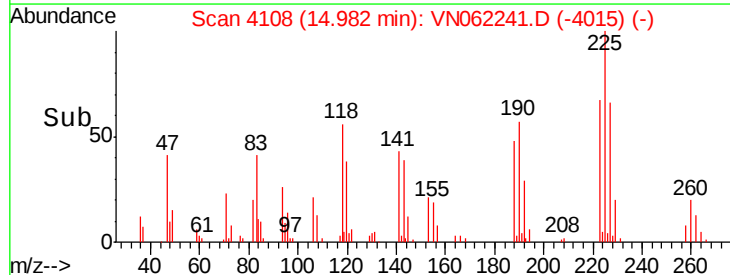
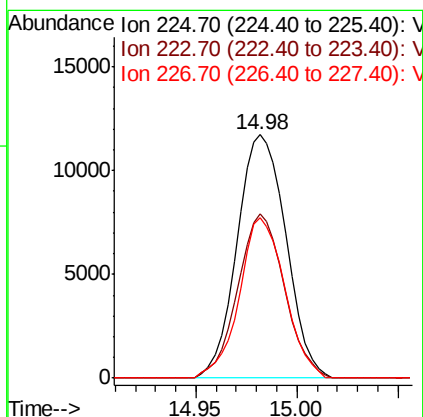
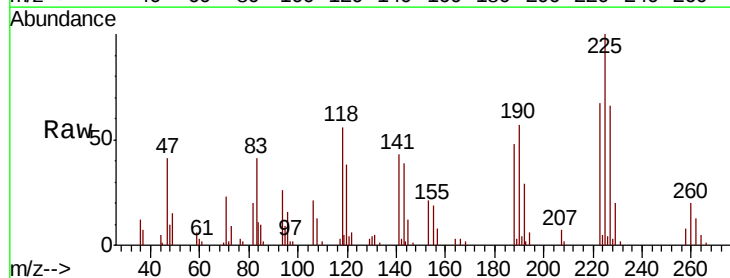
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

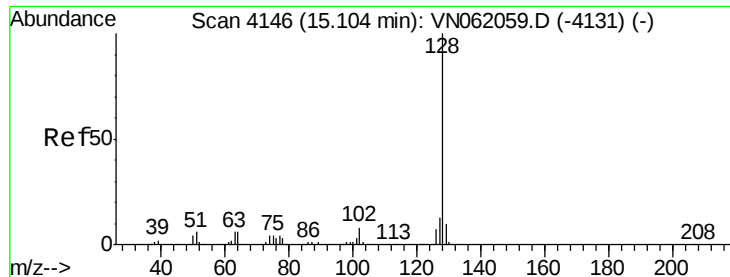
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.0	144.2
145	31.5	16.0	48.0



#94
 Hexachlorobutadiene
 Concen: 19.776 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062241.D
 Acq: 30 Jun 2020 15:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.9	98.7
227	61.2	31.3	93.8





#95

Naphthalene

Concen: 17.701 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBSD01

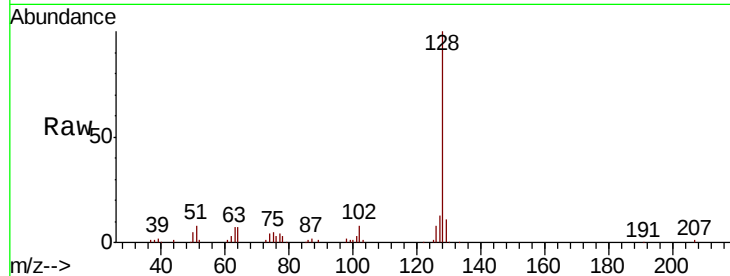
Tot Ion:128 Resp: 115057

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

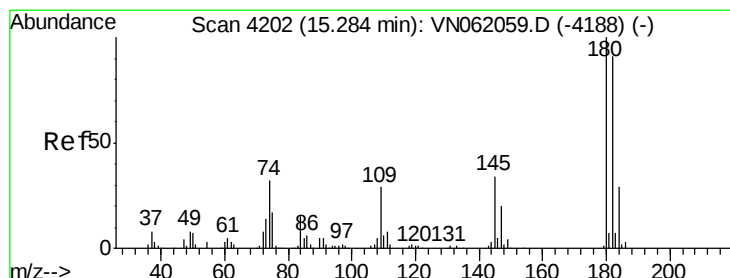
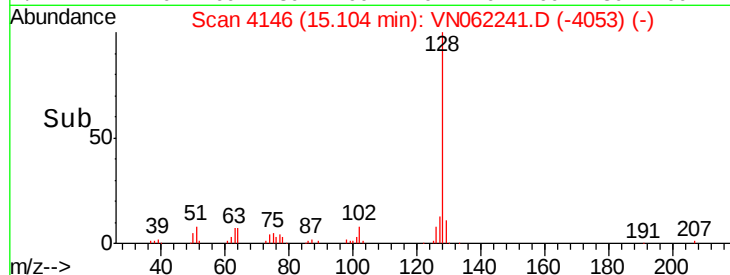
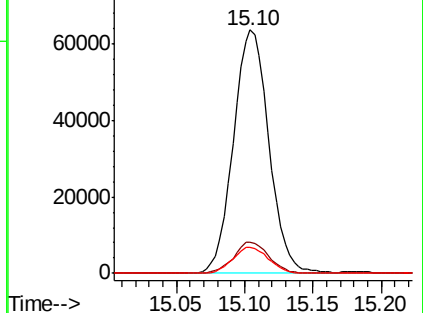
129 10.7 8.6 13.0



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: 17.265 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062241.D

Acq: 30 Jun 2020 15:50

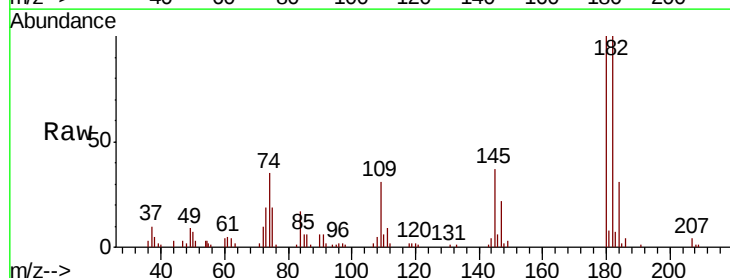
Tgt Ion:180 Resp: 40894

Ion Ratio Lower Upper

180 100

182 96.9 46.8 140.4

145 34.3 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

