

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\
 Data File : VN061717.D
 Acq On : 9 Jun 2020 11:32
 Operator : JC/MD
 Sample : VN0609WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

Quant Time: Jun 10 03:33:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	330075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	531340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	504785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	249276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	184149	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.54	113	152108	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
50) Toluene-d8	10.06	98	632401	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.37	95	221930	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	70646	19.260	ug/l	98
3) Chloromethane	2.03	50	72388	17.981	ug/l	97
4) Vinyl Chloride	2.16	62	92375	16.744	ug/l	98
5) Bromomethane	2.54	94	62209	19.651	ug/l	98
6) Chloroethane	2.67	64	64366	18.126	ug/l	98
7) Trichlorofluoromethane	2.98	101	132058	18.563	ug/l	98
8) Diethyl Ether	3.37	74	38823	17.846	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	61982	19.633	ug/l	97
10) Methyl Iodide	3.91	142	85920	19.605	ug/l	98
11) Tert butyl alcohol	4.73	59	49046	93.763	ug/l	100
12) 1,1-Dichloroethene	3.69	96	58523	17.352	ug/l	96
13) Acrolein	3.56	56	12257	57.262	ug/l	100
14) Allyl chloride	4.27	41	70334	15.951	ug/l	95
15) Acrylonitrile	4.93	53	124008	84.935	ug/l	100
16) Acetone	3.77	43	110742	98.417	ug/l	98
17) Carbon Disulfide	4.01	76	137731	18.561	ug/l	98
18) Methyl Acetate	4.27	43	59848	16.811	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	197671	17.196	ug/l	99
20) Methylene Chloride	4.50	84	69576	18.364	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	65895	17.324	ug/l	94
22) Diisopropyl ether	5.90	45	169674	17.459	ug/l	95
23) Vinyl Acetate	5.84	43	610948	78.874	ug/l	96
24) 1,1-Dichloroethane	5.79	63	109112	17.705	ug/l	99
25) 2-Butanone	6.78	43	152464	81.803	ug/l	98
26) 2,2-Dichloropropane	6.77	77	101146	17.932	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	77881	18.082	ug/l	99
28) Bromochloromethane	7.15	49	48922	20.318	ug/l	96
29) Tetrahydrofuran	7.16	42	94683	77.040	ug/l	96
30) Chloroform	7.32	83	125139	18.354	ug/l	100
31) Cyclohexane	7.61	56	92701	16.726	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	109886	17.688	ug/l	98
36) 1,1-Dichloropropene	7.75	75	88918	18.904	ug/l	99
37) Ethyl Acetate	6.88	43	63224	16.688	ug/l	99
38) Carbon Tetrachloride	7.73	117	90586	19.966	ug/l	100

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Quant Time: Jun 10 03:33:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	100586	17.349	ug/l	98
40) Benzene	8.00	78	272108	18.749	ug/l	99
41) Methacrylonitrile	7.12	41	25552m	14.721	ug/l	
42) 1,2-Dichloroethane	8.08	62	90940	18.716	ug/l	100
43) Isopropyl Acetate	8.12	43	108458	15.912	ug/l	96
44) Trichloroethene	8.80	130	83661	18.757	ug/l	92
45) 1,2-Dichloropropane	9.08	63	66170	19.201	ug/l	97
46) Dibromomethane	9.17	93	49599	18.766	ug/l	98
47) Bromodichloromethane	9.37	83	100350	19.163	ug/l	99
48) Methyl methacrylate	9.17	41	48456	15.801	ug/l	97
49) 1,4-Dioxane	9.16	88	23433	493.249	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	320893	83.544	ug/l	97
52) Toluene	10.12	92	182240	19.239	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	100220	17.766	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	112402	18.531	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	73785	19.551	ug/l	97
56) Ethyl methacrylate	10.40	69	90547	17.176	ug/l	99
57) 1,3-Dichloropropane	10.68	76	117043	19.391	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	190421	84.523	ug/l	99
59) 2-Hexanone	10.72	43	228585	82.865	ug/l	98
60) Dibromochloromethane	10.87	129	82329	19.189	ug/l	98
61) 1,2-Dibromoethane	10.98	107	75089	19.077	ug/l	100
64) Tetrachloroethene	10.60	164	91364	19.228	ug/l	99
65) Chlorobenzene	11.40	112	201855	19.238	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	74942	19.182	ug/l	98
67) Ethyl Benzene	11.48	91	338945	18.690	ug/l	100
68) m/p-Xylenes	11.59	106	266645	37.082	ug/l	99
69) o-Xylene	11.92	106	127282	18.636	ug/l	98
70) Styrene	11.94	104	210471	18.609	ug/l	99
71) Bromoform	12.10	173	55711	18.505	ug/l #	100
73) Isopropylbenzene	12.22	105	341059	18.746	ug/l	100
74) N-amyl acetate	12.04	43	88605	15.464	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	91414	17.930	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	83124m	18.338	ug/l	
77) Bromobenzene	12.50	156	89128	19.192	ug/l	96
78) n-propylbenzene	12.56	91	377834	18.602	ug/l	99
79) 2-Chlorotoluene	12.65	91	221768	18.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	283328	18.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27144	15.314	ug/l	92
82) 4-Chlorotoluene	12.75	91	228993	17.973	ug/l	98
83) tert-Butylbenzene	12.97	119	241624	17.984	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	280154	18.545	ug/l	99
85) sec-Butylbenzene	13.15	105	311910	18.016	ug/l	98
86) p-Isopropyltoluene	13.26	119	288688	18.106	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	157779	19.186	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	156447	18.674	ug/l	99
89) n-Butylbenzene	13.59	91	227652	17.047	ug/l	99
90) Hexachloroethane	13.85	117	39176	22.218	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	152908	19.456	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16280	15.657	ug/l	96

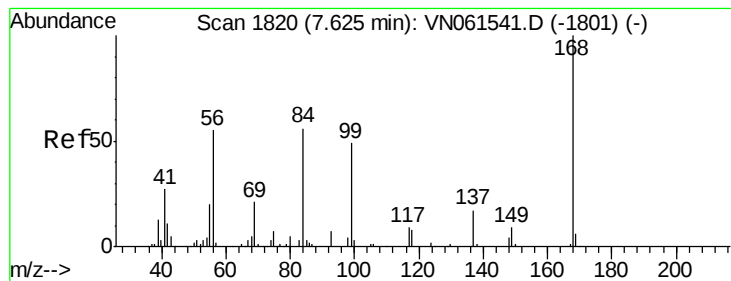
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\
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Quant Time: Jun 10 03:33:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	83162	18.093	ug/l	98
94) Hexachlorobutadiene	14.98	225	36817	18.781	ug/l	100
95) Naphthalene	15.10	128	227316	16.248	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	81044	17.933	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

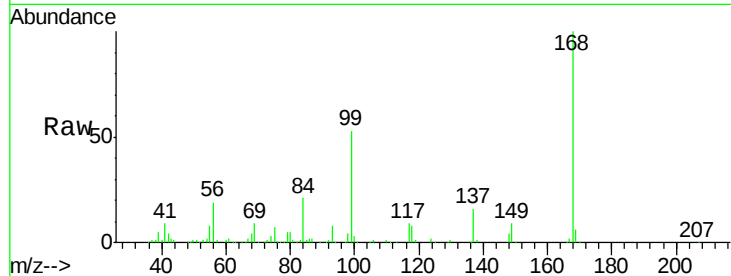
VN0609WBS01

Tot Ion:168 Resp: 330075

Ion Ratio Lower Upper

168 100

99 52.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

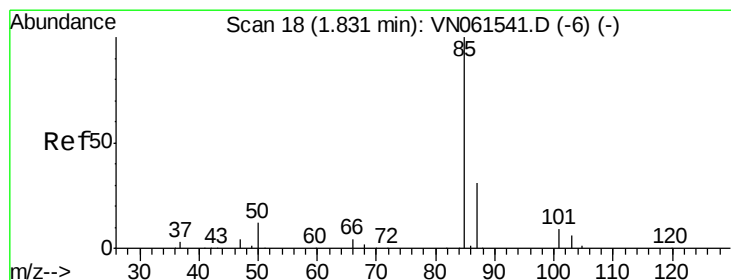
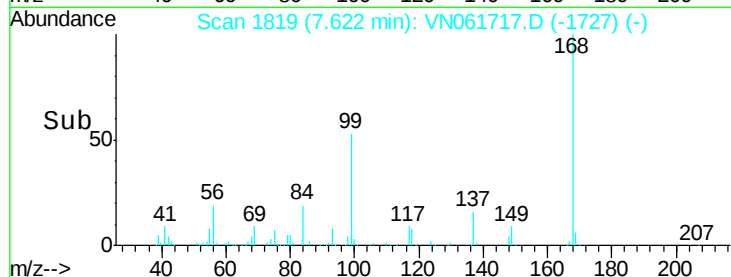
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.260 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061717.D

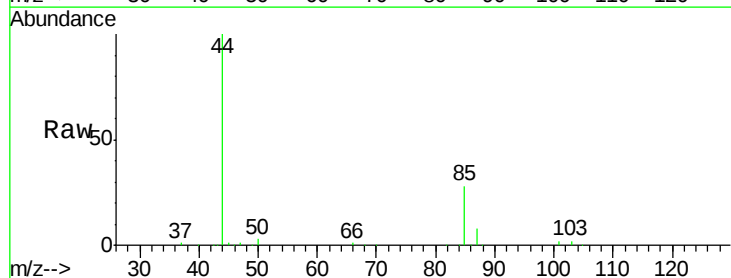
Acq: 9 Jun 2020 11:32

Tgt Ion: 85 Resp: 70646

Ion Ratio Lower Upper

85 100

87 29.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

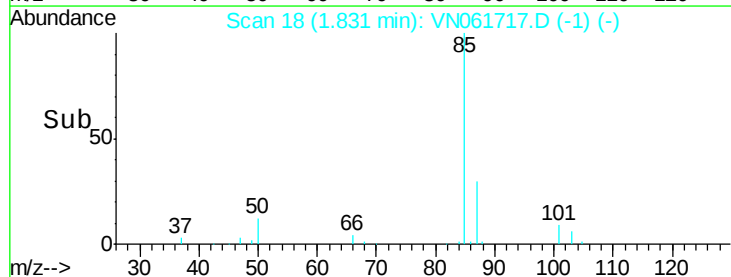
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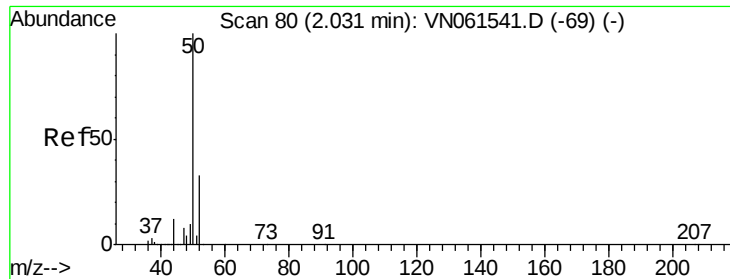
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.981 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

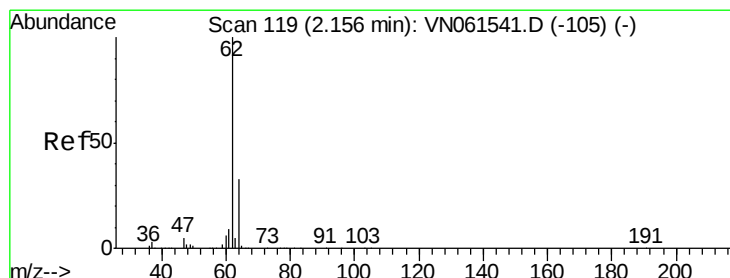
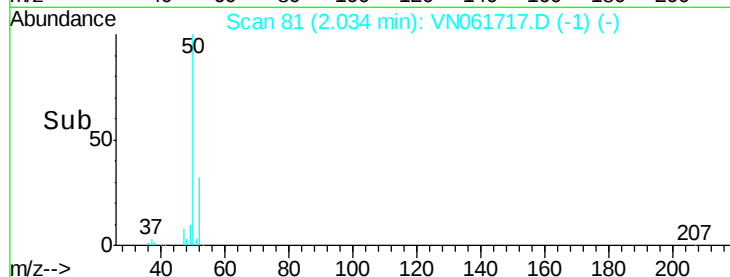
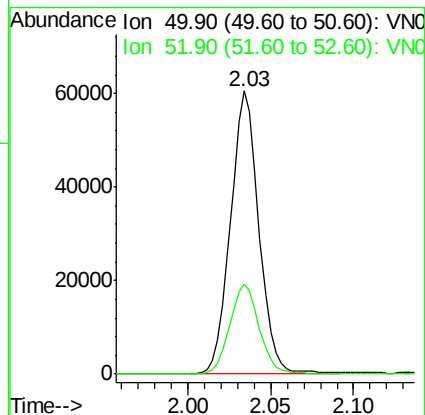
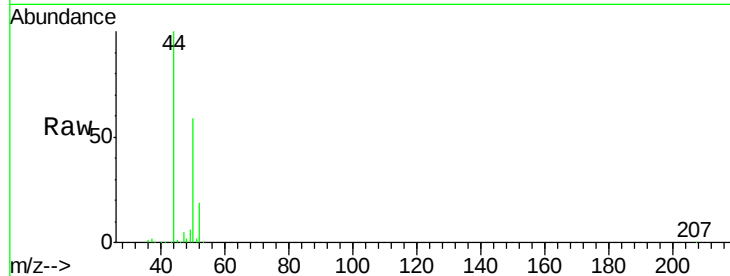
VN0609WBS01

Tot Ion: 50 Resp: 72388

Ion Ratio Lower Upper

50 100

52 31.9 26.7 40.1



#4

Vinyl Chloride

Concen: 16.744 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061717.D

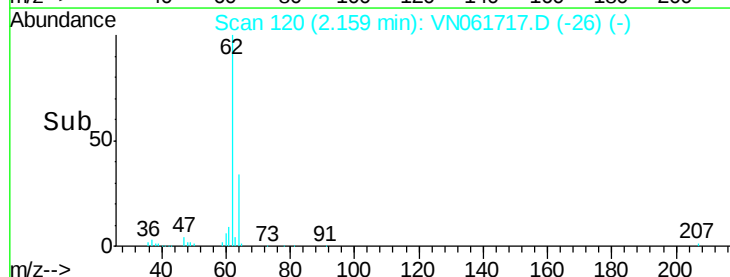
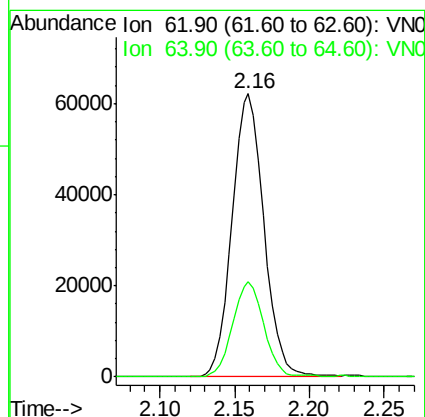
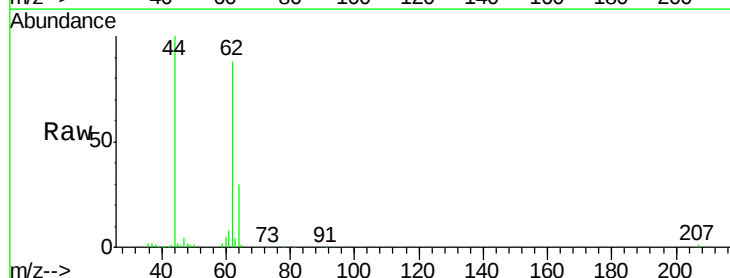
Acq: 9 Jun 2020 11:32

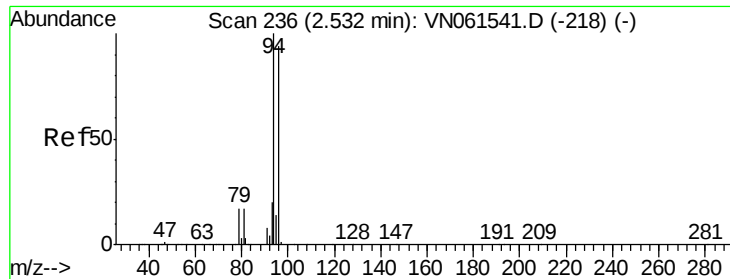
Tgt Ion: 62 Resp: 92375

Ion Ratio Lower Upper

62 100

64 33.7 26.2 39.2





#5

Bromomethane

Concen: 19.651 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

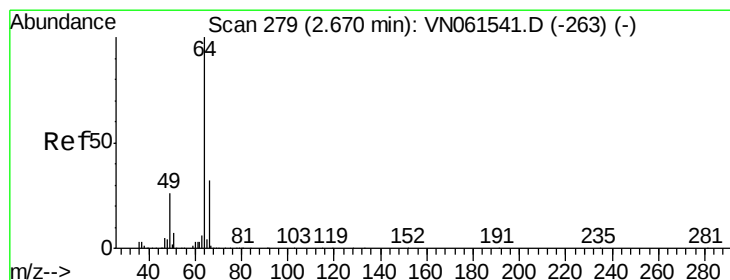
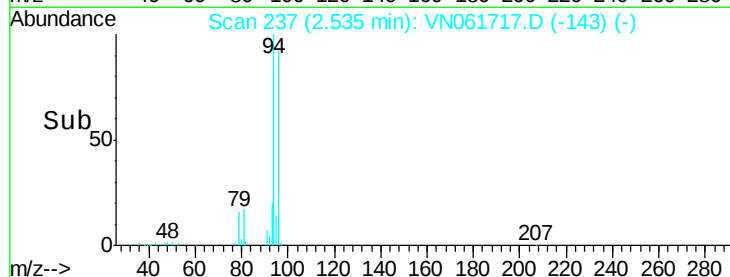
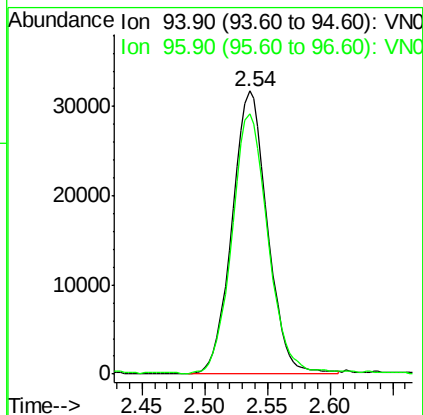
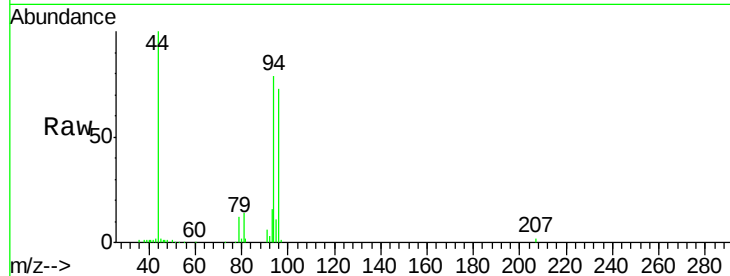
VN0609WBS01

Tot Ion: 94 Resp: 62209

Ion Ratio Lower Upper

94 100

96 92.0 74.8 112.2



#6

Chloroethane

Concen: 18.126 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061717.D

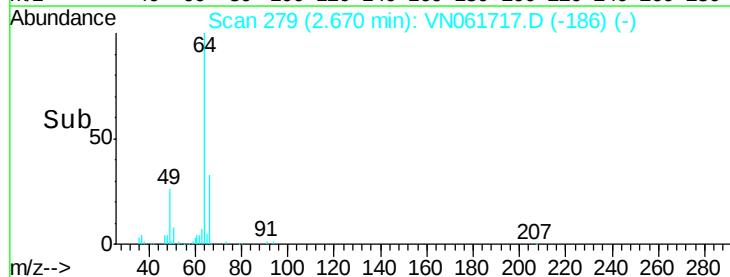
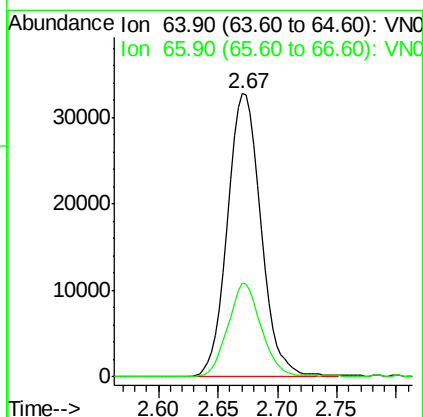
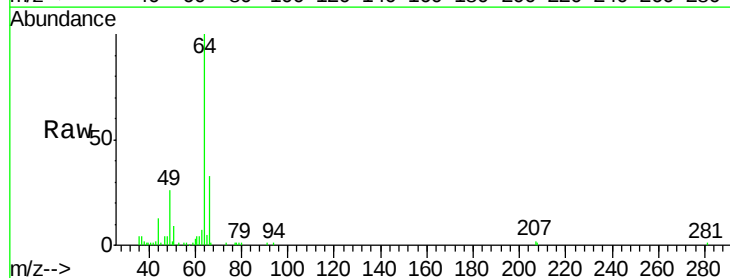
Acq: 9 Jun 2020 11:32

Tgt Ion: 64 Resp: 64366

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4



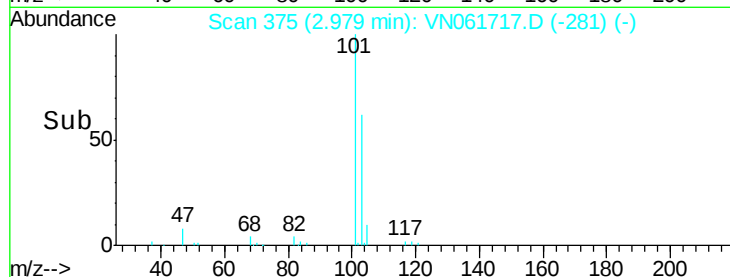
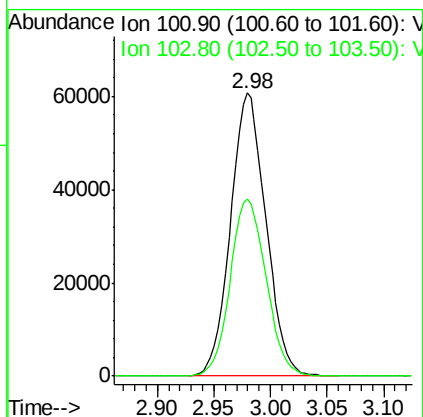
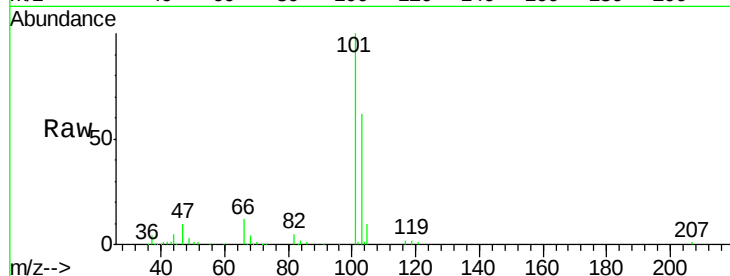


#7

Trichlorofluoromethane
Concen: 18.563 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Instrument :
MSVOA_N
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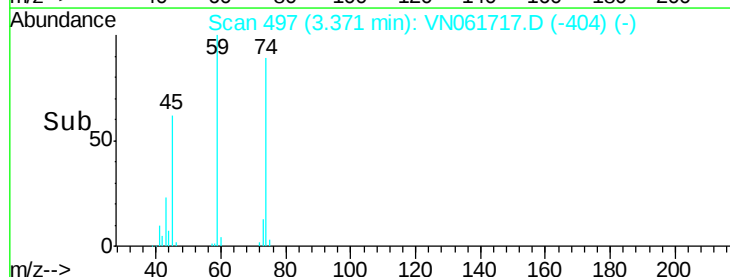
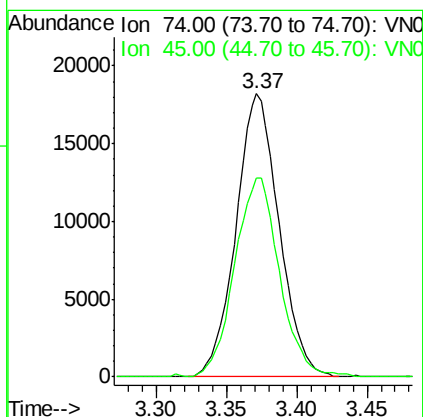
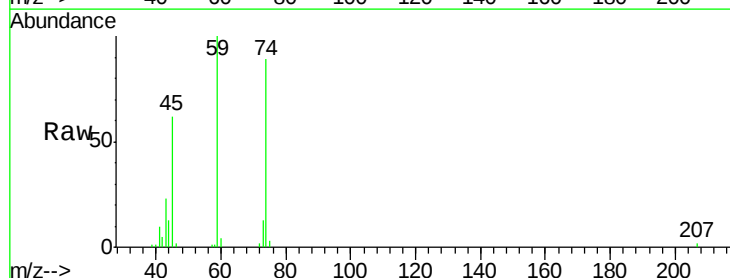
Tot Ion:101 Resp: 132058
Ion Ratio Lower Upper
101 100
103 62.5 51.4 77.2

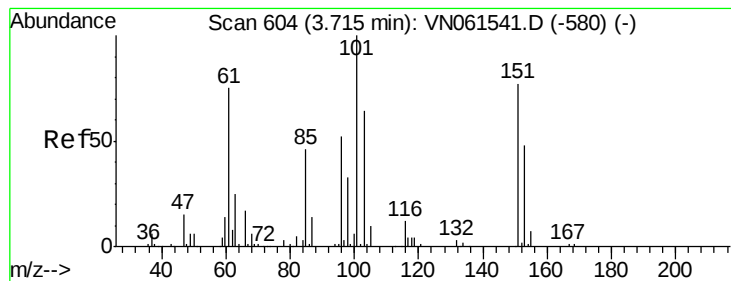


#8

Diethyl Ether
Concen: 17.846 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 74 Resp: 38823
Ion Ratio Lower Upper
74 100
45 73.5 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.633 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0609WBS01

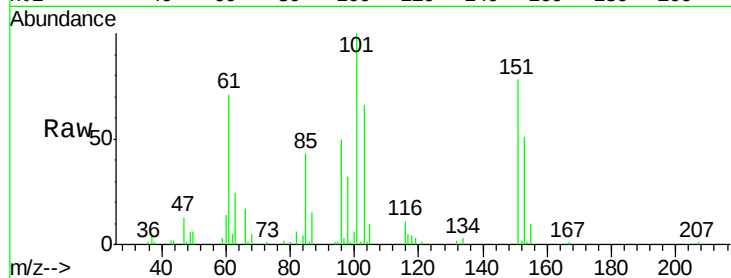
Tot Ion:101 Resp: 61982

Ion Ratio Lower Upper

101 100

85 42.6 35.2 52.8

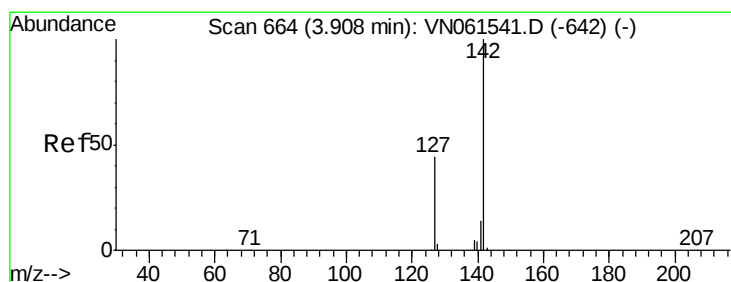
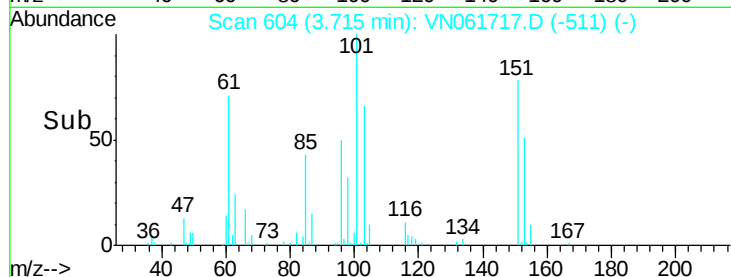
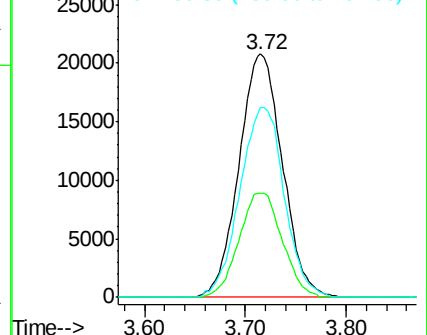
151 79.9 61.0 91.6



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: 19.605 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

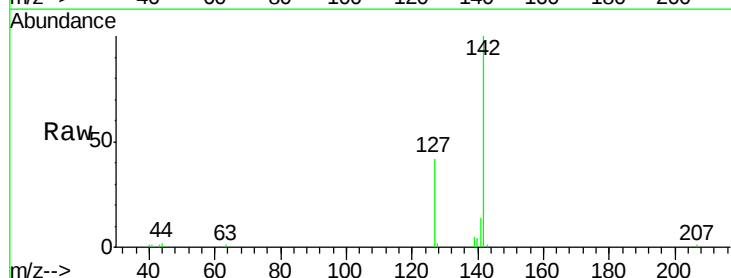
Tgt Ion:142 Resp: 85920

Ion Ratio Lower Upper

142 100

127 43.0 35.5 53.3

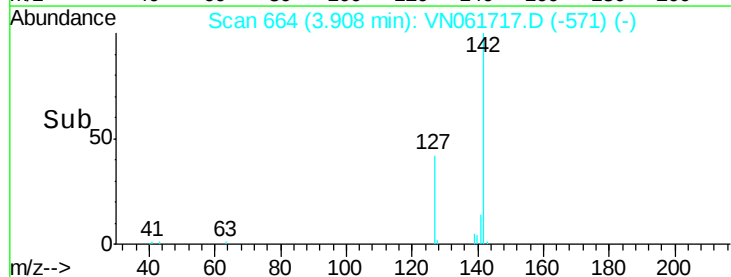
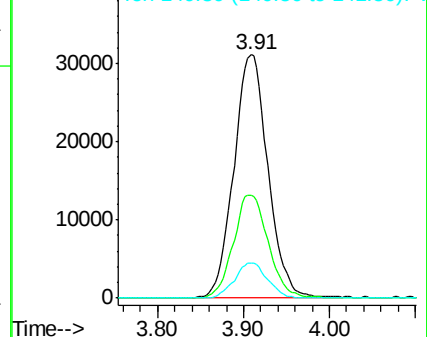
141 13.8 11.5 17.3

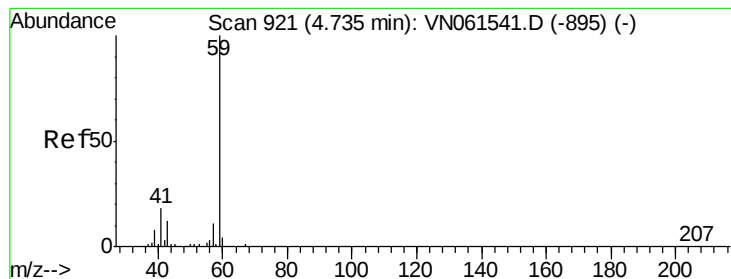


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 93.763 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

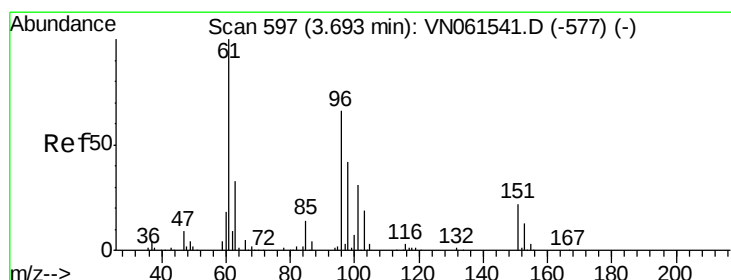
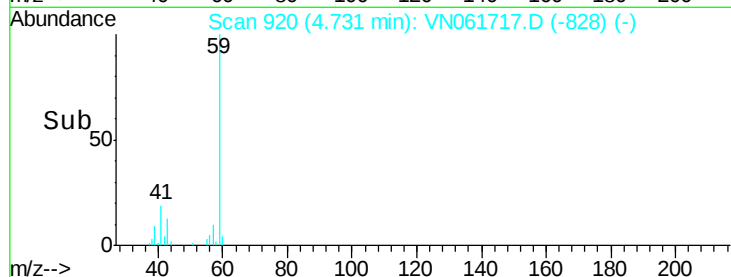
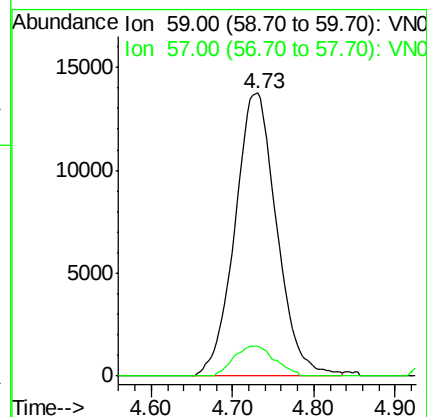
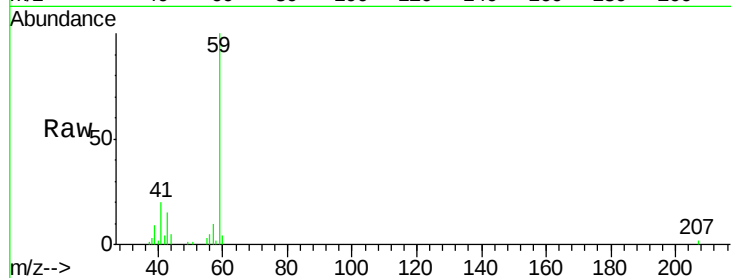
VN0609WBS01

Tot Ion: 59 Resp: 49046

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#12

1,1-Dichloroethene

Concen: 17.352 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

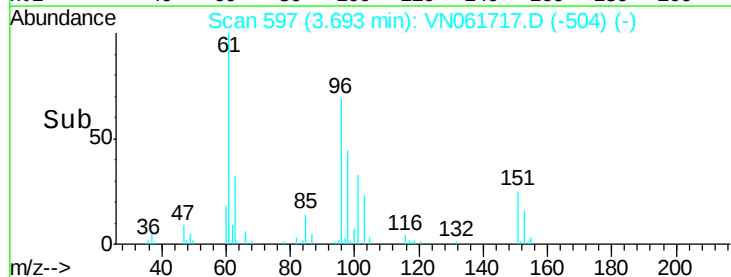
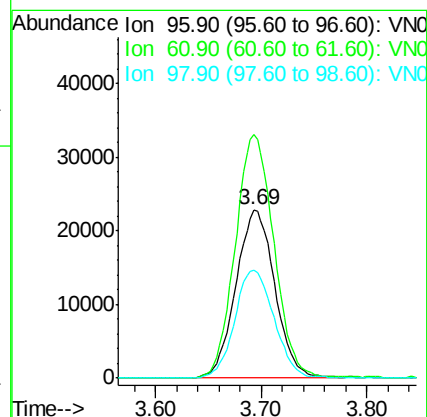
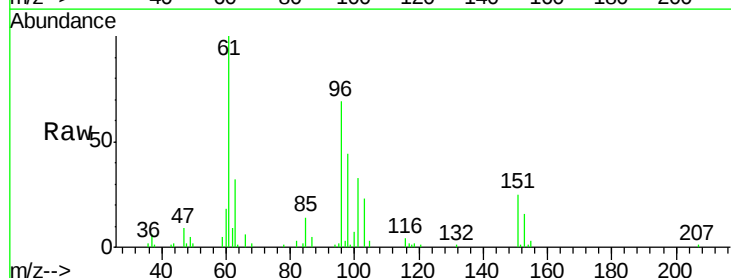
Tgt Ion: 96 Resp: 58523

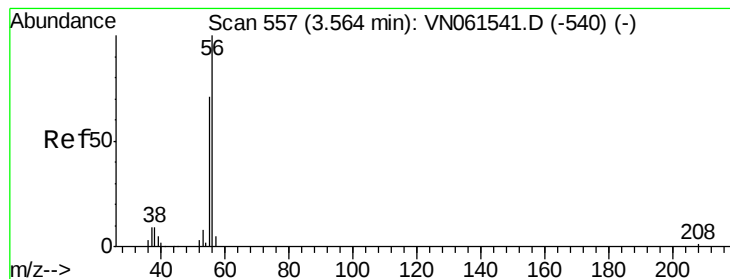
Ion Ratio Lower Upper

96 100

61 144.5 120.5 180.7

98 64.1 50.8 76.2





#13

Acrolein

Concen: 57.262 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

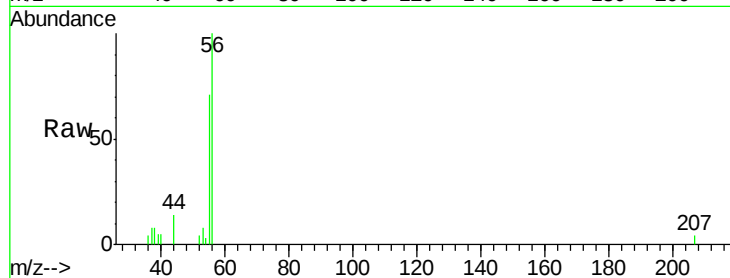
VN0609WBS01

Tot Ion: 56 Resp: 12257

Ion Ratio Lower Upper

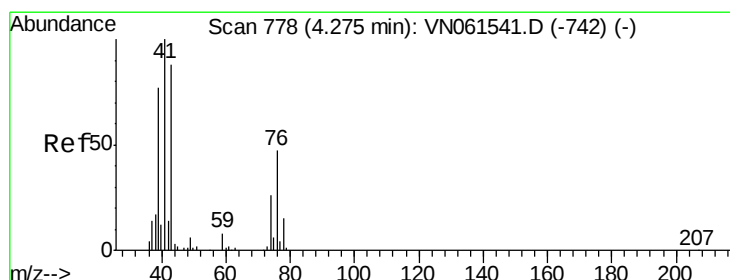
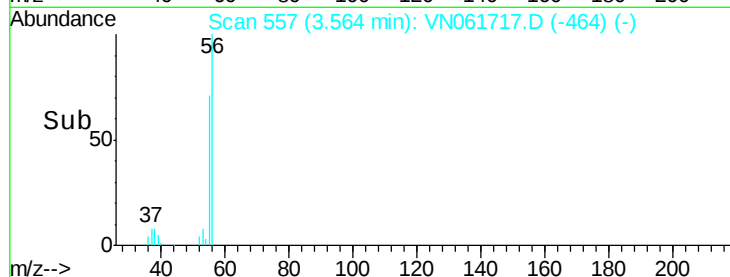
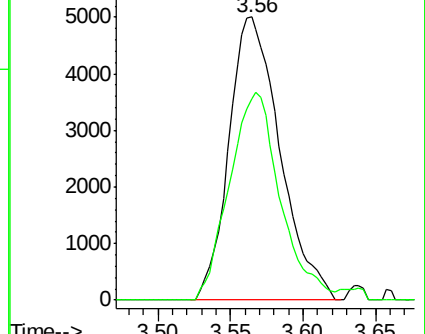
56 100

55 72.9 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.951 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

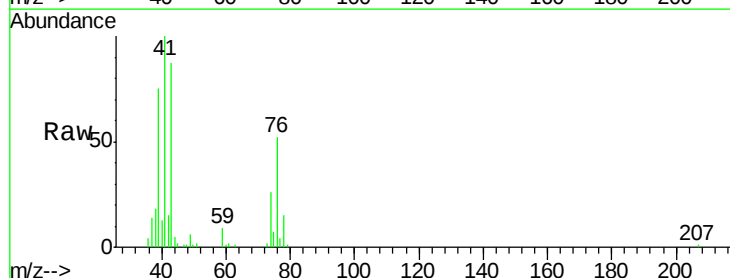
Tgt Ion: 41 Resp: 70334

Ion Ratio Lower Upper

41 100

39 75.4 58.6 88.0

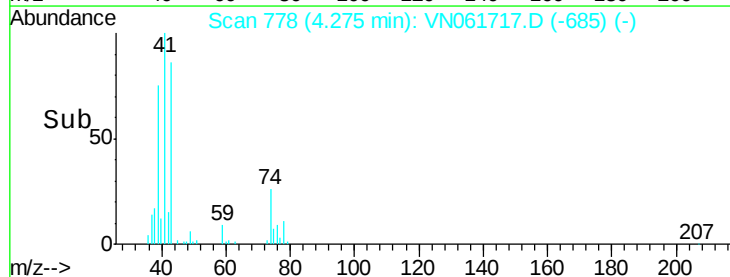
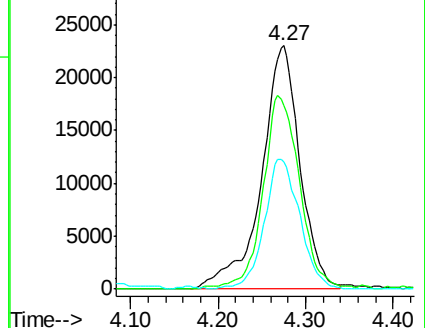
76 49.2 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 84.935 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBS01

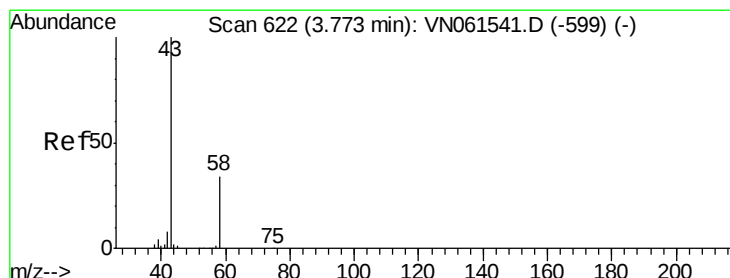
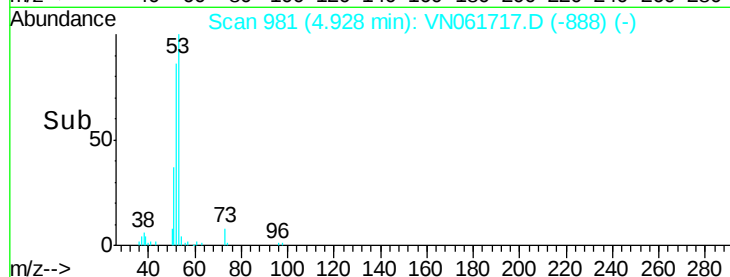
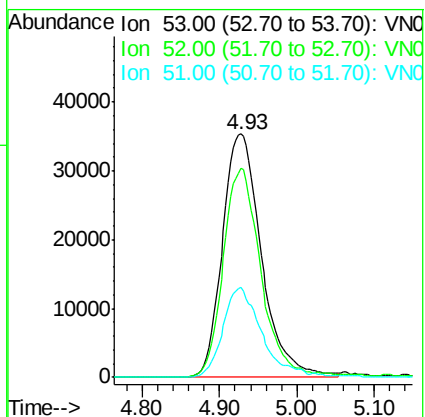
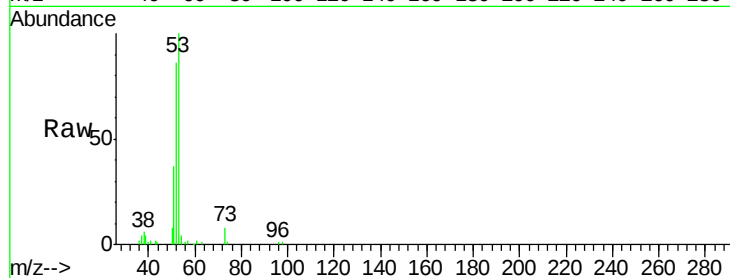
Tot Ion: 53 Resp: 124008

Ion Ratio Lower Upper

53 100

52 82.0 65.4 98.2

51 36.3 29.0 43.6



#16

Acetone

Concen: 98.417 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061717.D

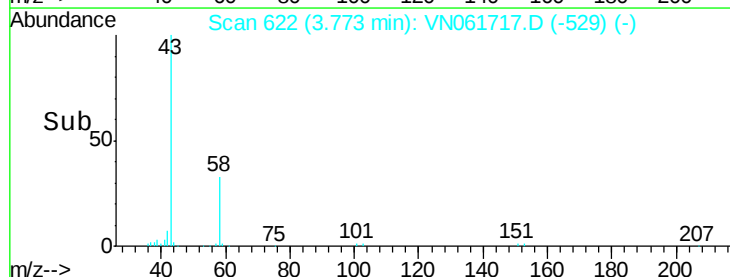
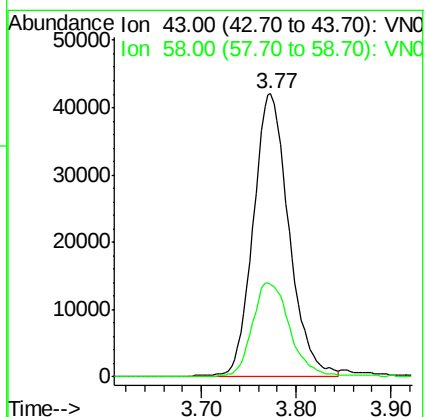
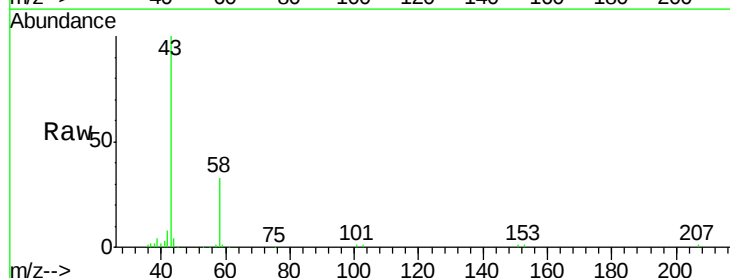
Acq: 9 Jun 2020 11:32

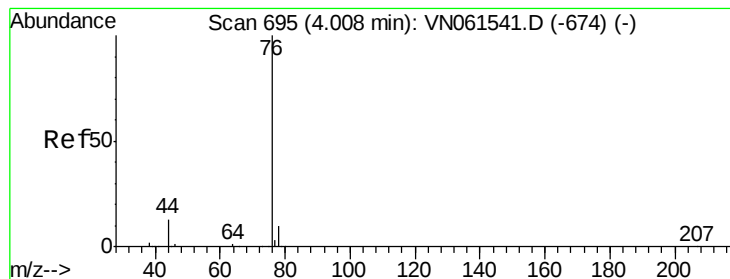
Tgt Ion: 43 Resp: 110742

Ion Ratio Lower Upper

43 100

58 32.8 27.2 40.8





#17

Carbon Disulfide

Concen: 18.561 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

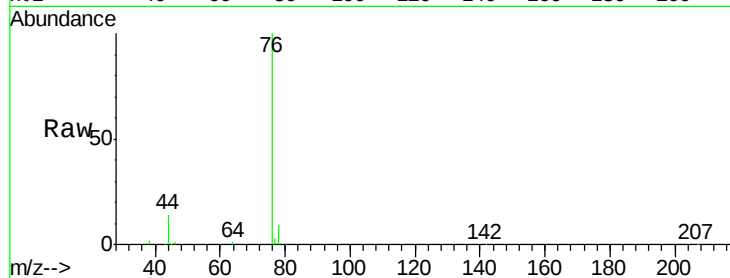
VN0609WBS01

Tot Ion: 76 Resp: 137731

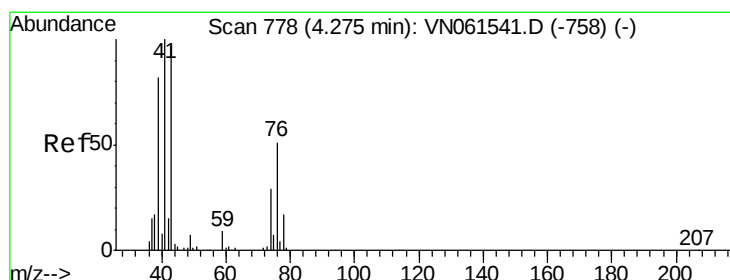
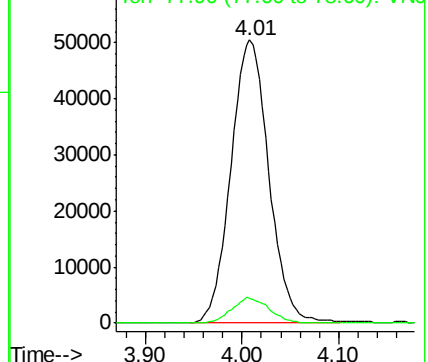
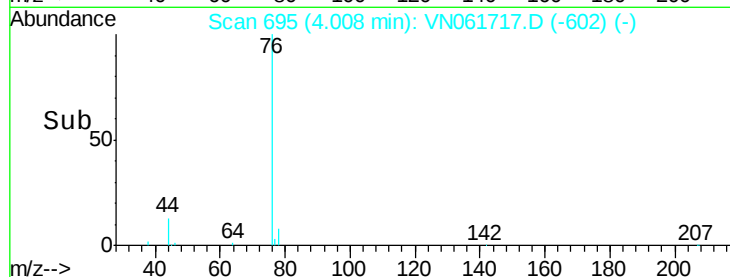
Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061717.D (-602) (-)



#18

Methyl Acetate

Concen: 16.811 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061717.D

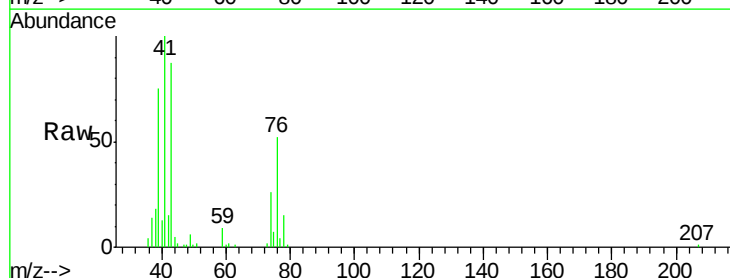
Acq: 9 Jun 2020 11:32

Tgt Ion: 43 Resp: 59848

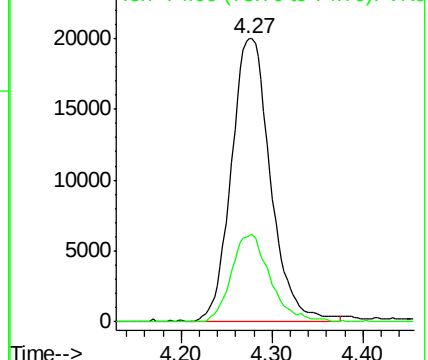
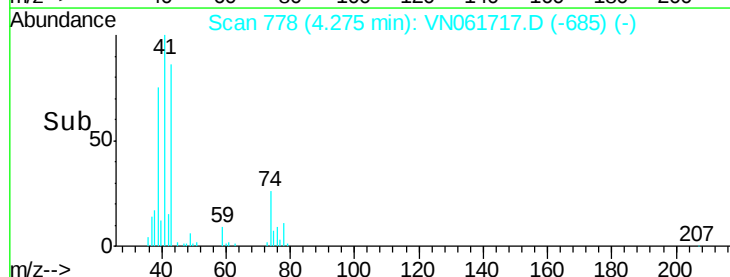
Ion Ratio Lower Upper

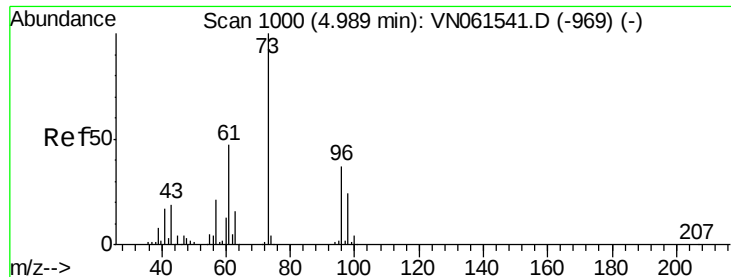
43 100

74 30.6 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061717.D (-685) (-)



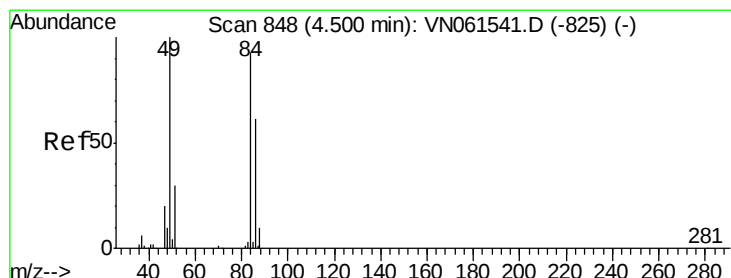
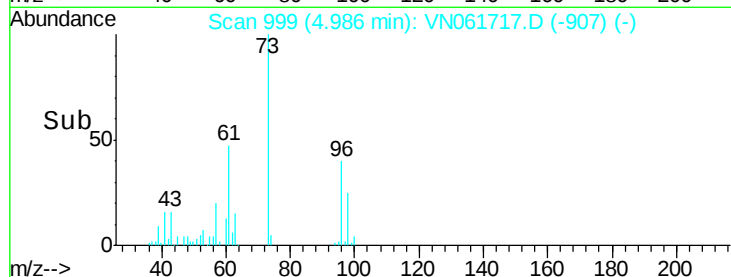
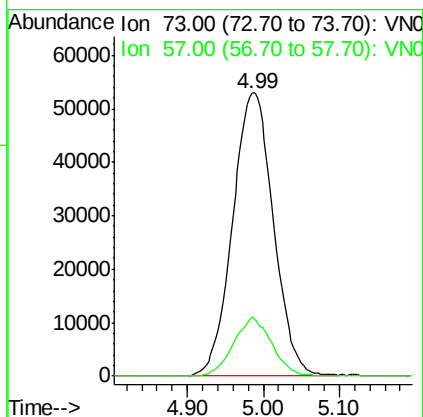
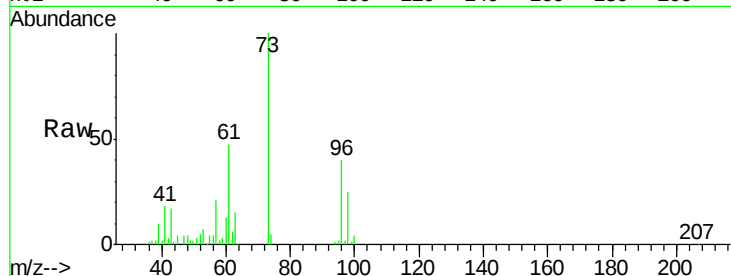


#19

Methvl tert-butvl Ether
 Concen: 17.196 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

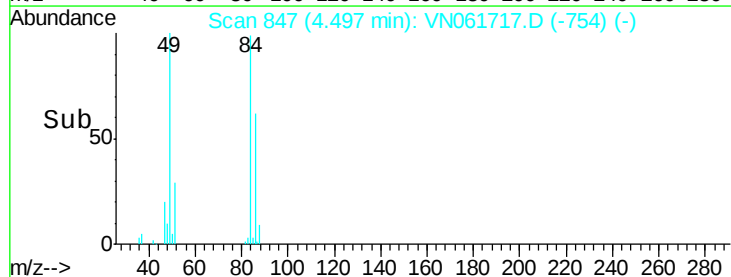
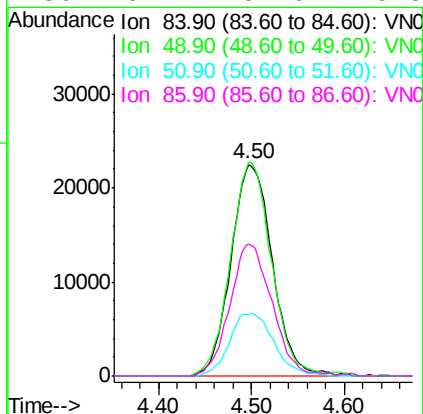
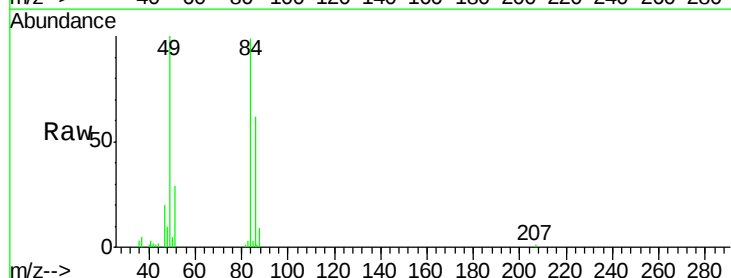
Tot Ion: 73 Resp: 197671
 Ion Ratio Lower Upper
 73 100
 57 20.9 16.4 24.6

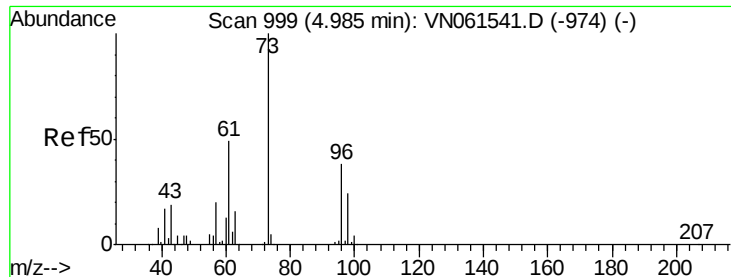


#20

Methylene Chloride
 Concen: 18.364 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion: 84 Resp: 69576
 Ion Ratio Lower Upper
 84 100
 49 101.0 85.8 128.8
 51 29.1 26.2 39.2
 86 62.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 17.324 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0609WBS01

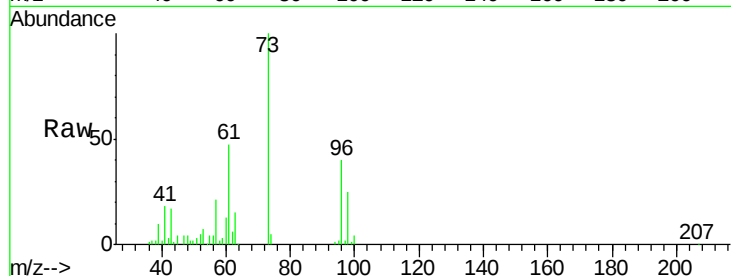
Tot Ion: 96 Resp: 65895

Ion Ratio Lower Upper

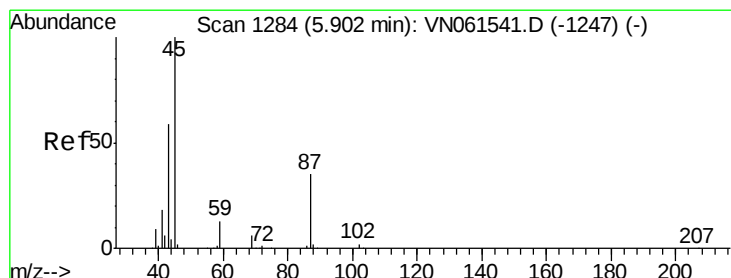
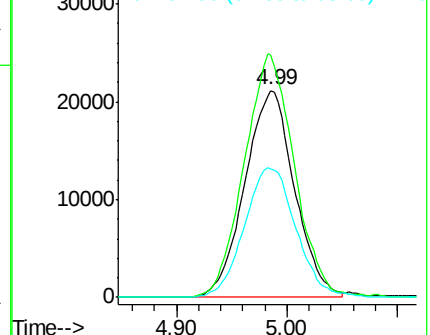
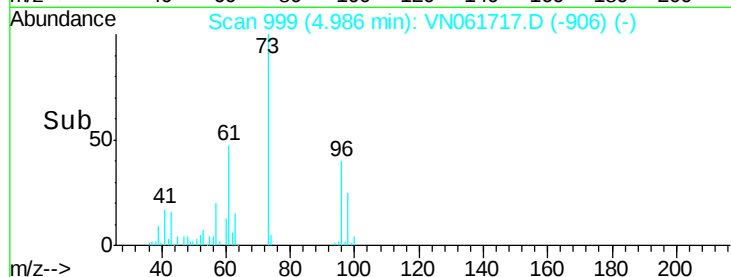
96 100

61 117.1 101.4 152.0

98 62.2 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061717.D (-906) (-)



#22

Diisopropyl ether

Concen: 17.459 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Tgt Ion: 45 Resp: 169674

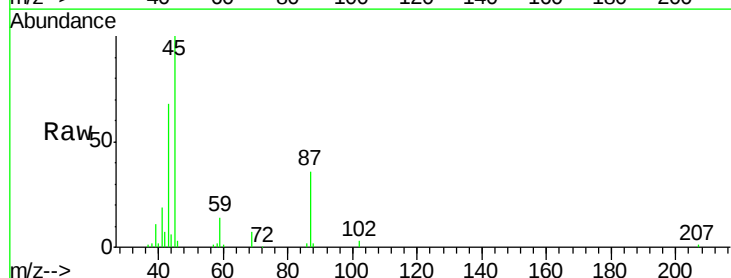
Ion Ratio Lower Upper

45 100

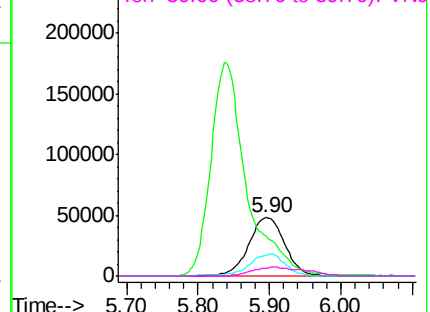
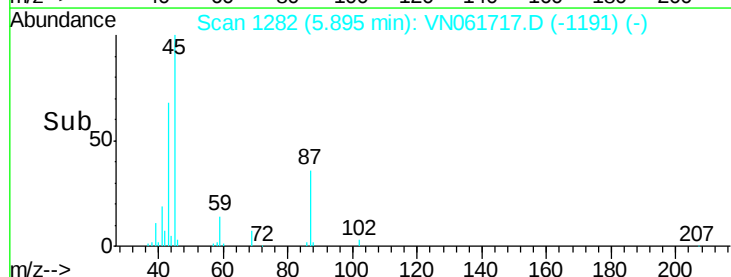
43 65.8 47.9 71.9

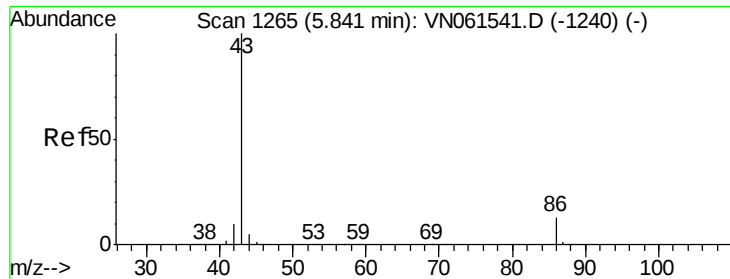
87 36.1 28.4 42.6

59 13.5 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VN061717.D (-1191) (-)

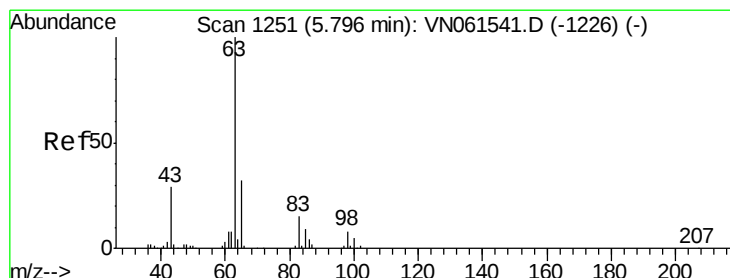
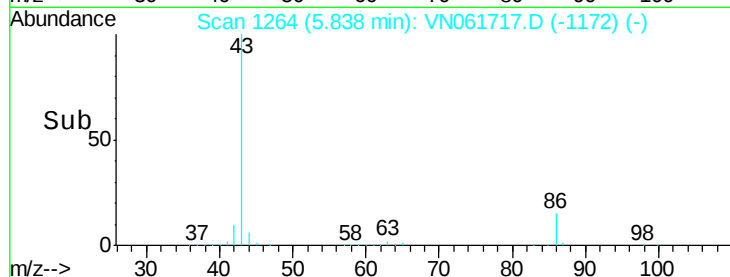
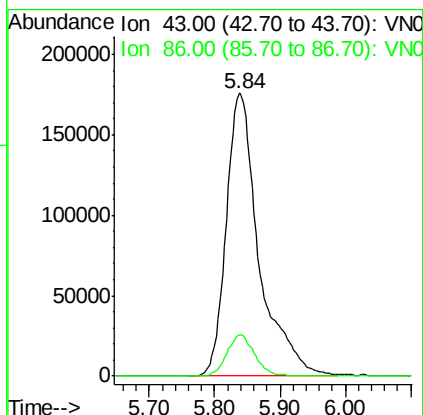
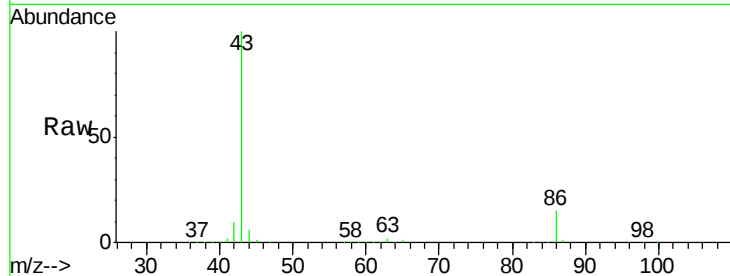




#23
 Vinyl Acetate
 Concen: 78.874 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

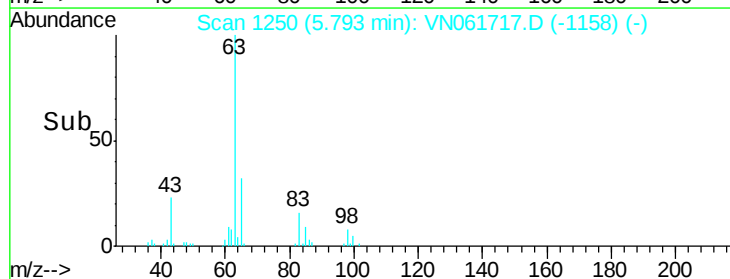
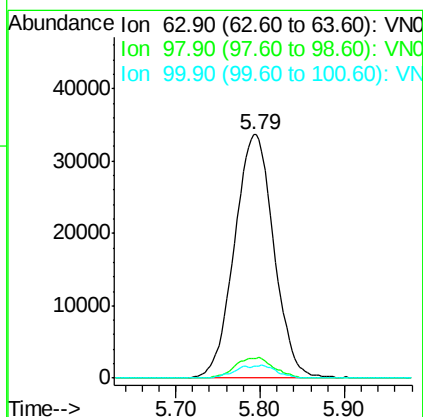
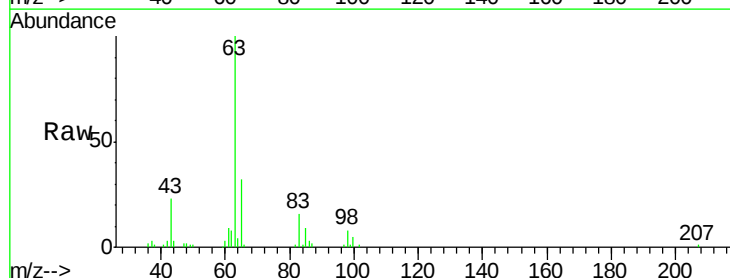
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

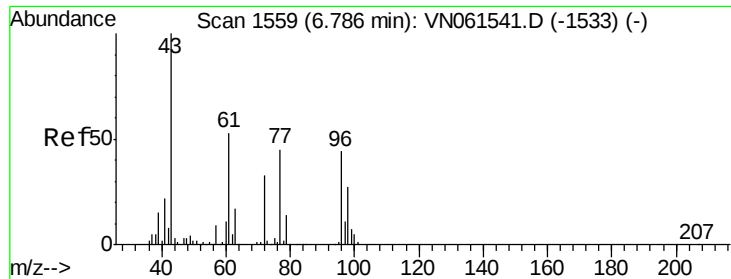
Tot Ion: 43 Resp: 610948
 Ion Ratio Lower Upper
 43 100
 86 14.9 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 17.705 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion: 63 Resp: 109112
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.8 11.4
 100 4.7 2.5 7.6

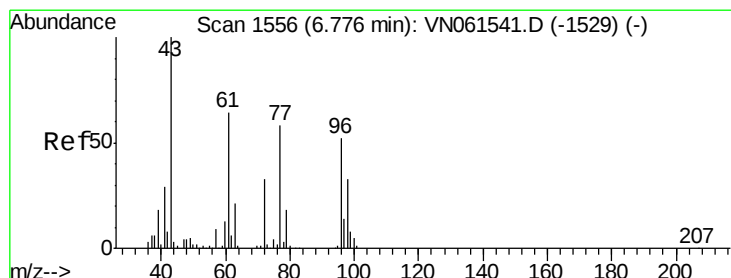
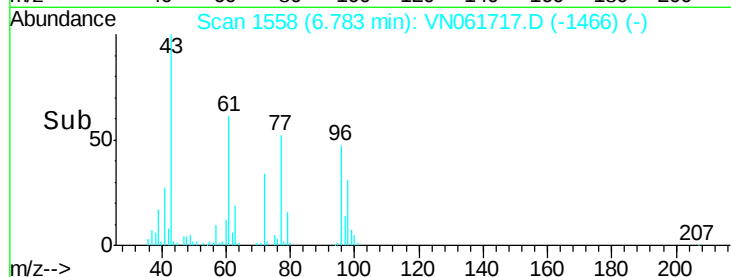
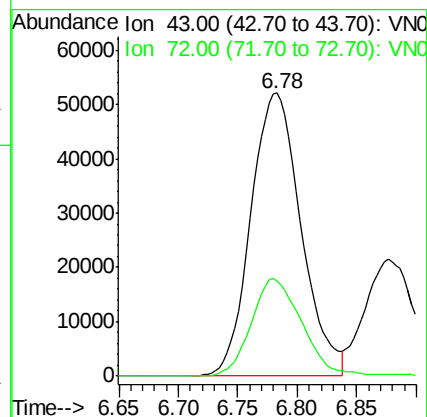
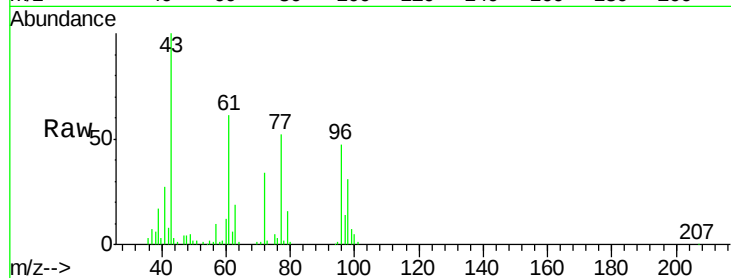




#25
2-Butanone
Concen: 81.803 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

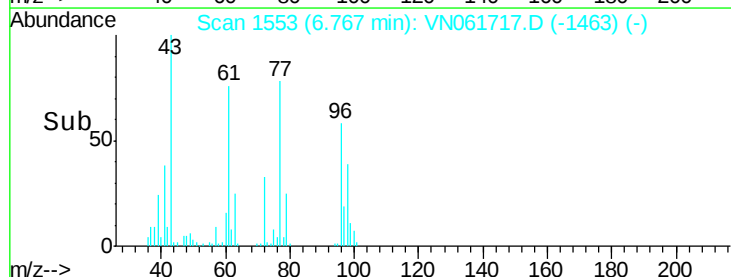
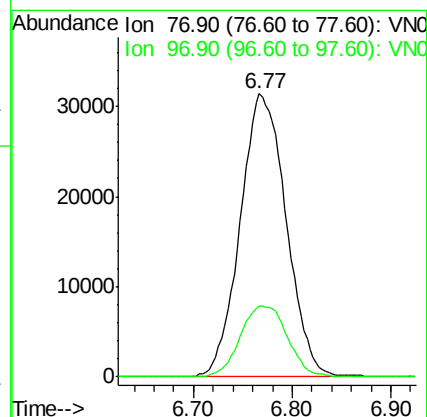
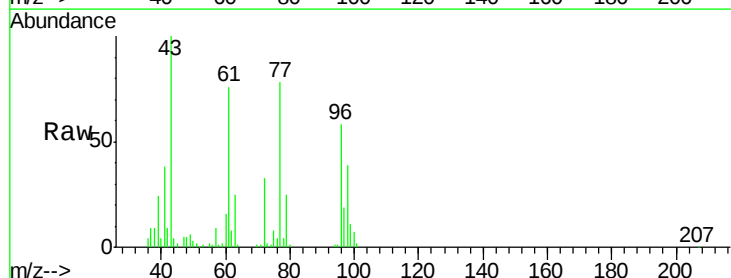
Instrument :
MSVOA_N
ClientSampled :
VN0609WBS01

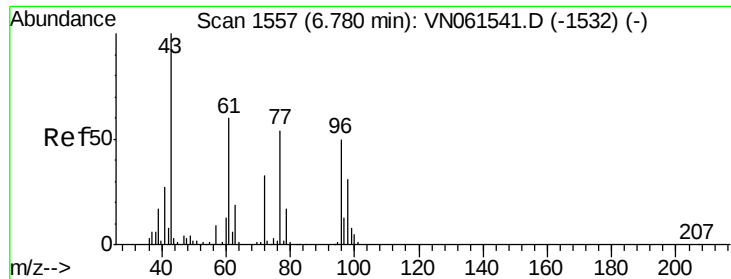
Tot Ion: 43 Resp: 152464
Ion Ratio Lower Upper
43 100
72 33.7 26.0 39.0



#26
2,2-Dichloropropane
Concen: 17.932 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 77 Resp: 101146
Ion Ratio Lower Upper
77 100
97 25.6 12.0 36.0

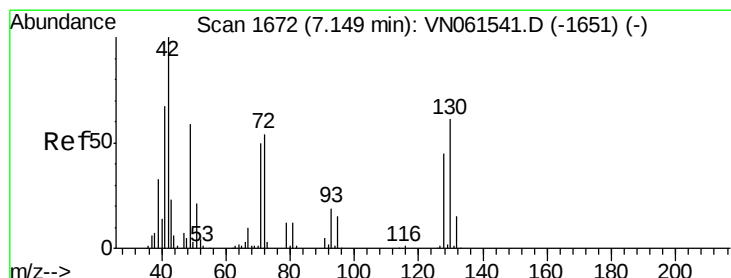
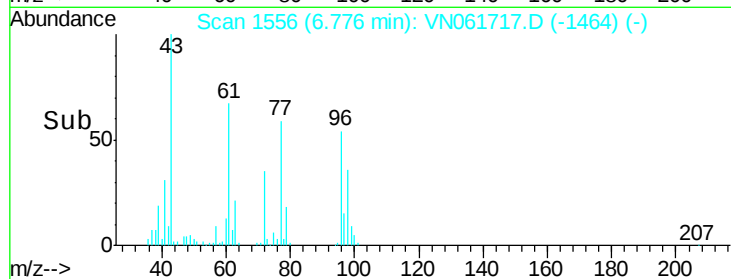
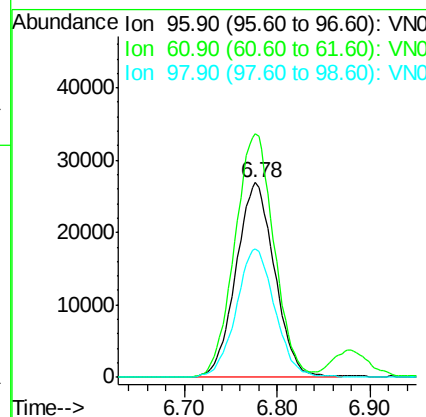
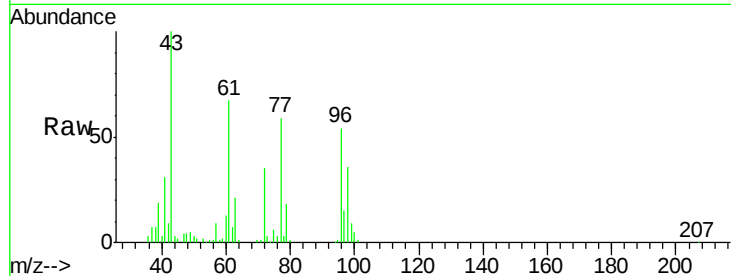




#27
 cis-1,2-Dichloroethene
 Concen: 18.082 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

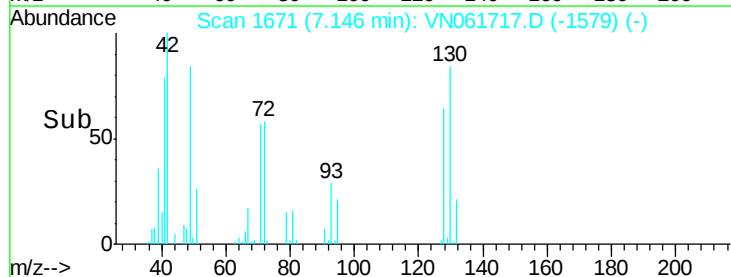
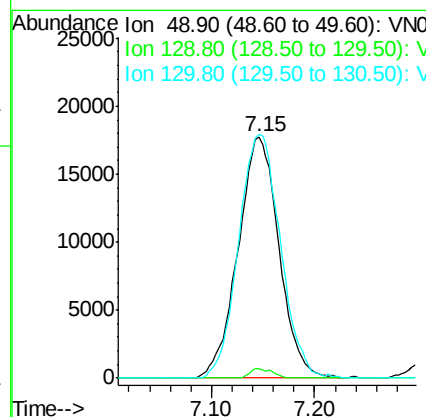
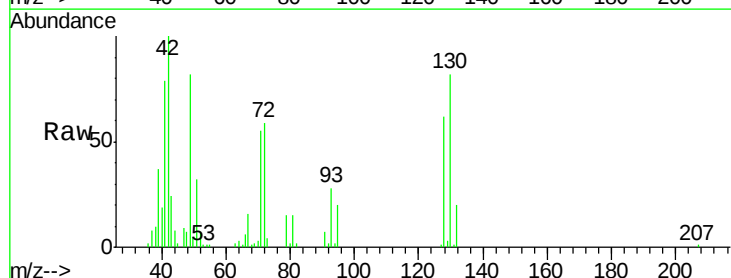
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

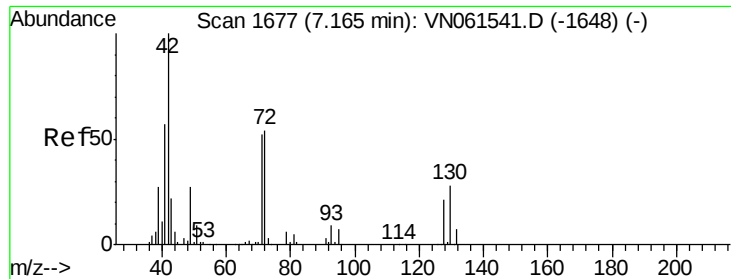
Tot Ion: 96 Resp: 77881
 Ion Ratio Lower Upper
 96 100
 61 127.1 0.0 252.2
 98 66.0 0.0 129.2



#28
 Bromochloromethane
 Concen: 20.318 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion: 49 Resp: 48922
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.8
 130 103.0 78.8 118.2

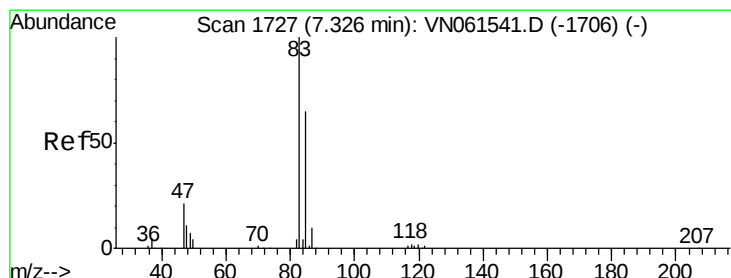
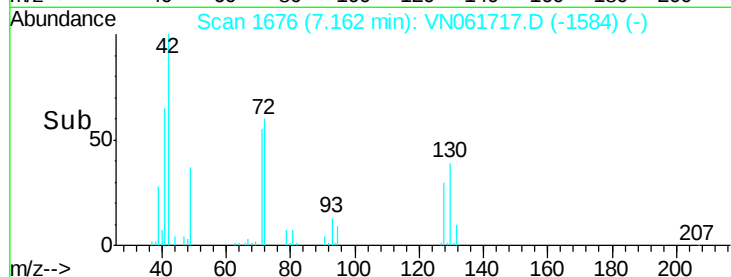
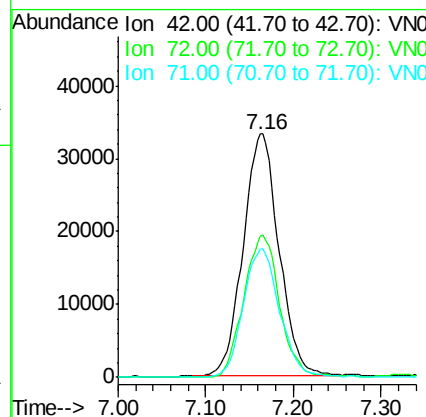
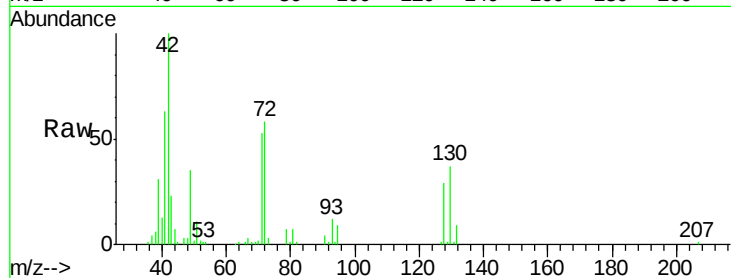




#29
Tetrahydrofuran
Concen: 77.040 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

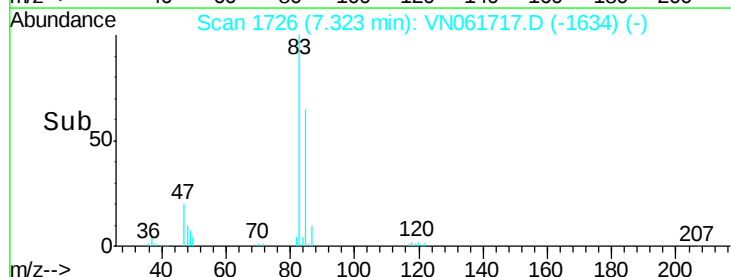
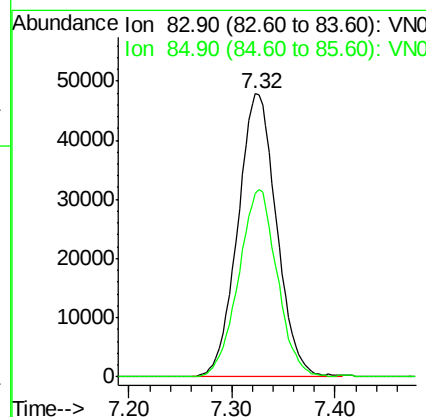
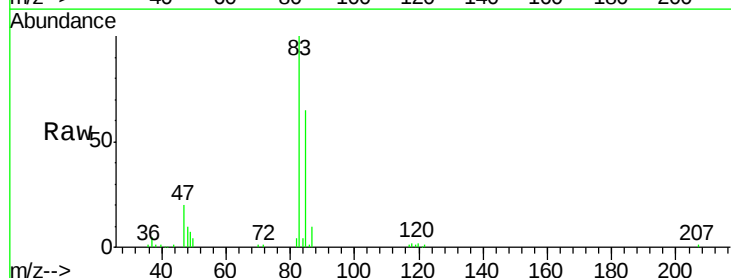
Instrument :
MSVOA_N
ClientSampled :
VN0609WBS01

Tot Ion: 42 Resp: 94683
Ion Ratio Lower Upper
42 100
72 58.2 43.6 65.4
71 53.8 41.2 61.8



#30
Chloroform
Concen: 18.354 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 83 Resp: 125139
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5





#31

Cyclohexane

Concen: 16.726 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBS01

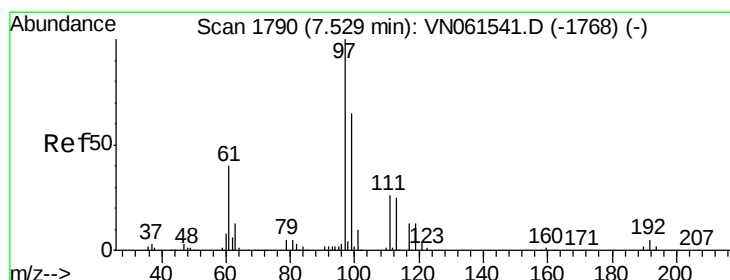
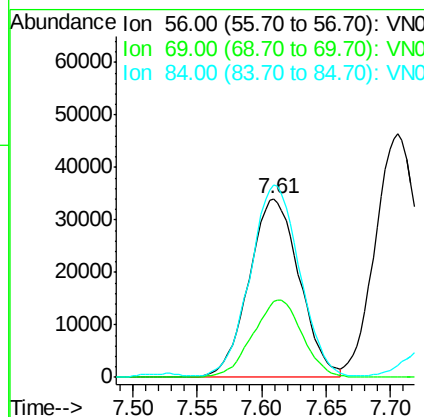
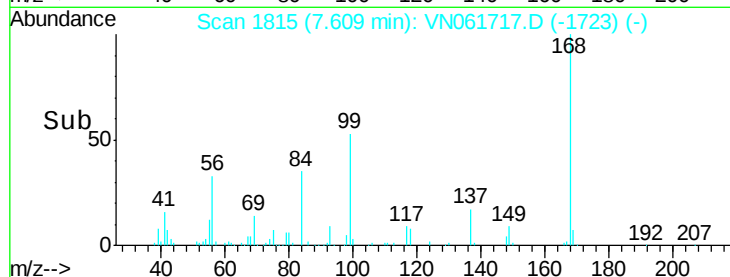
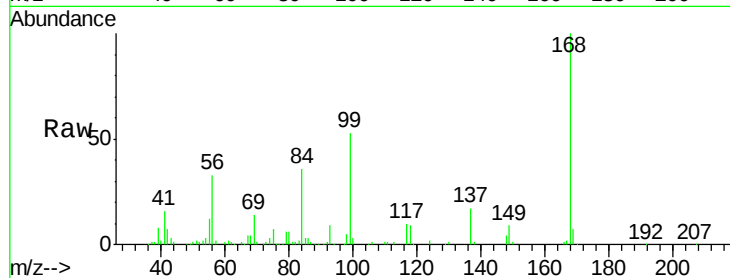
Tot Ion: 56 Resp: 92701

Ion Ratio Lower Upper

56 100

69 42.3 27.8 41.8#

84 106.4 79.9 119.9



#32

1,1,1-Trichloroethane

Concen: 17.688 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

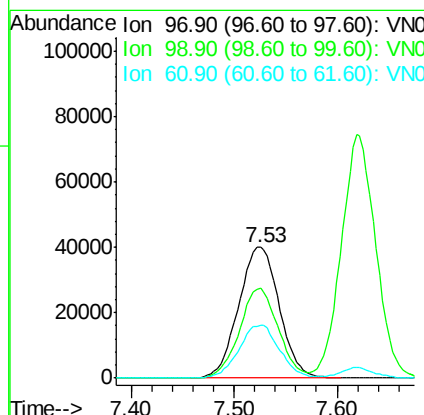
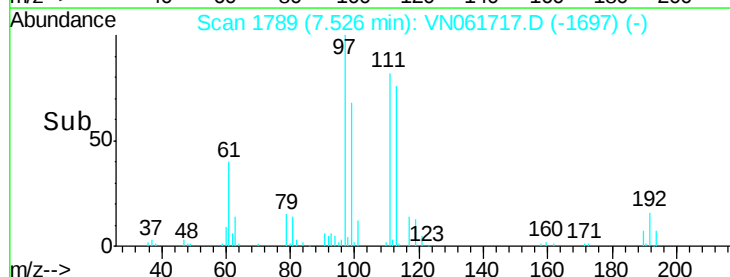
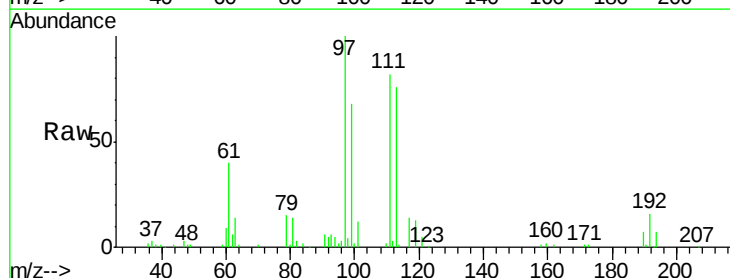
Tgt Ion: 97 Resp: 109886

Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.0

61 40.3 31.4 47.0





#33

1,2-Dichloroethane-d4

Concen: 46.826 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

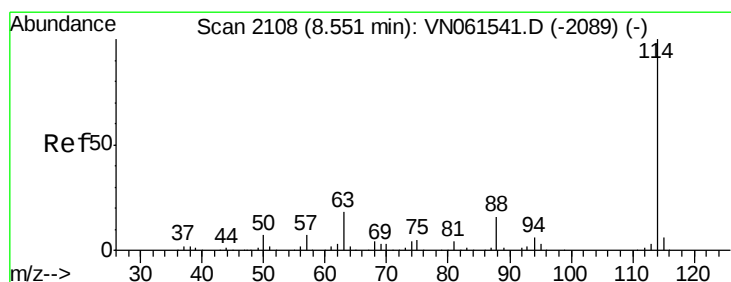
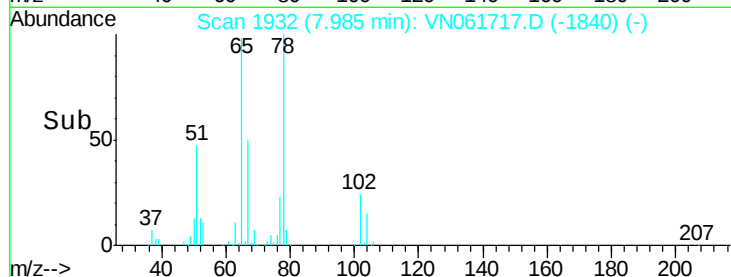
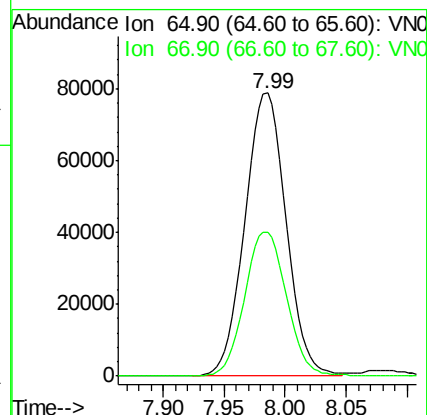
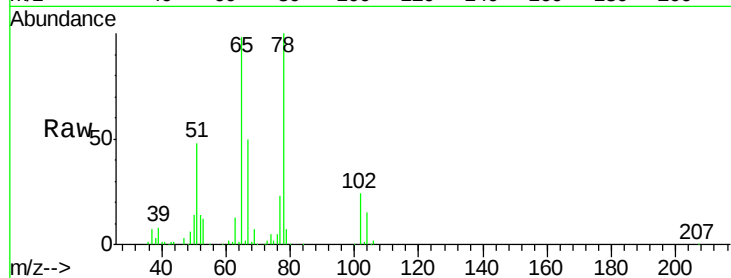
VN0609WBS01

Tot Ion: 65 Resp: 184149

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

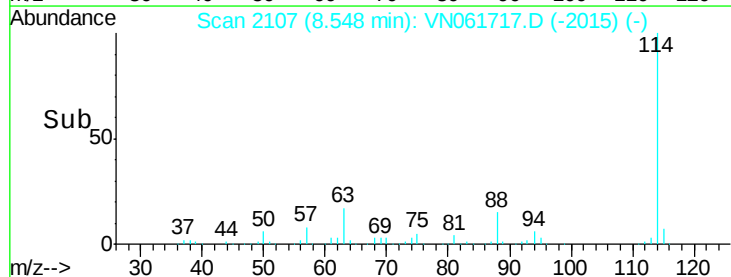
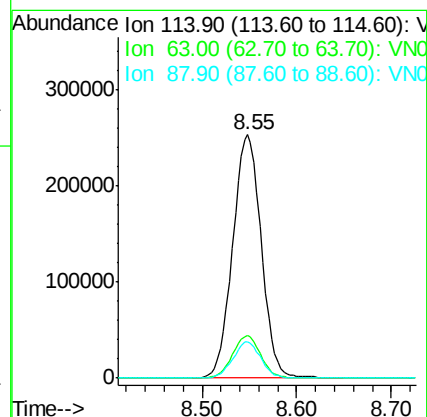
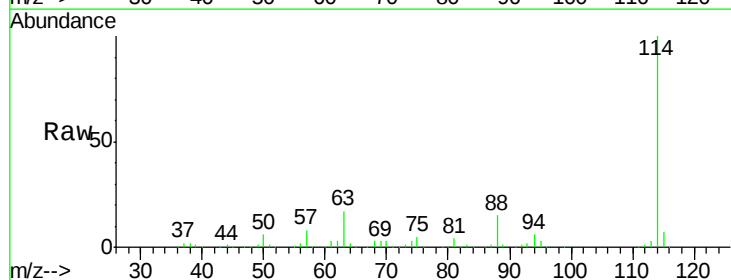
Tgt Ion: 114 Resp: 531340

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.8

88 14.9 0.0 31.0

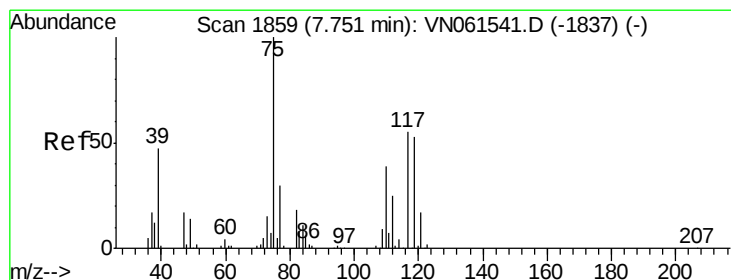
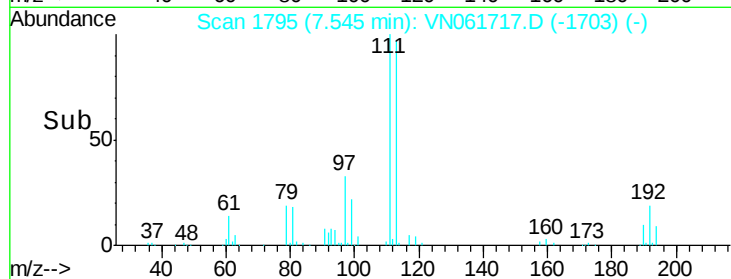
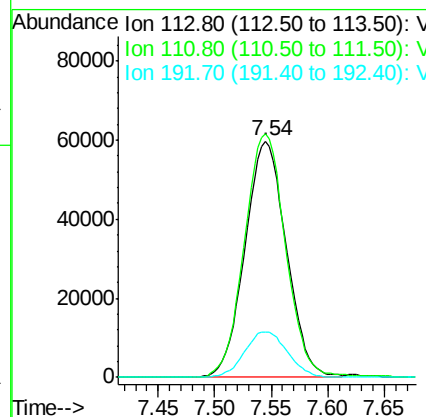
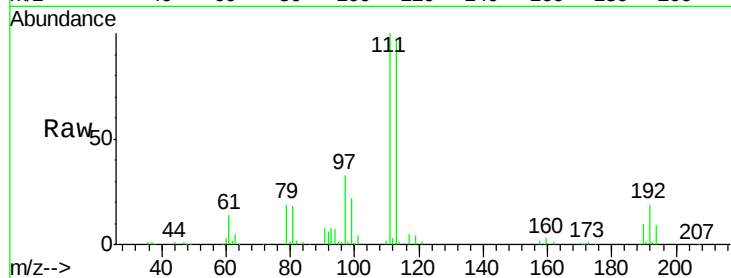




#35
 Dibromofluoromethane
 Concen: 56.433 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

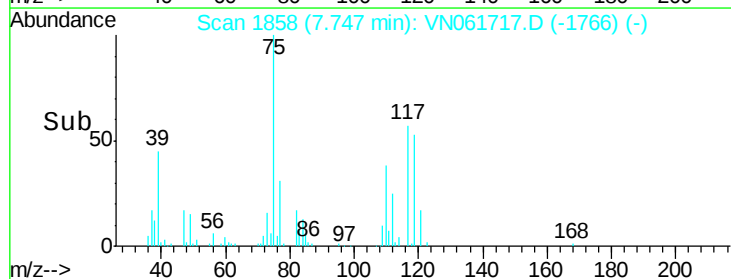
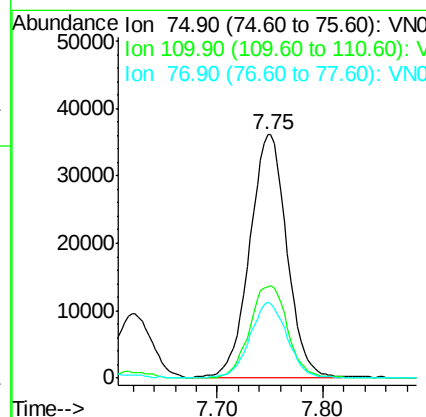
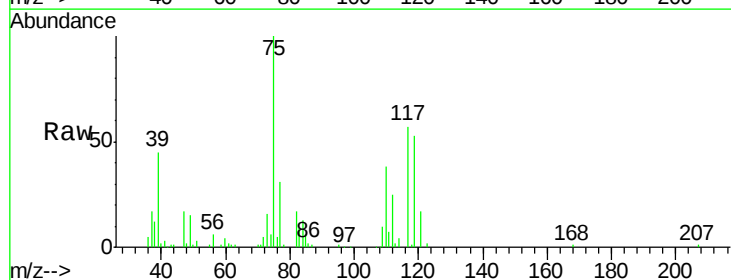
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.0
192	20.1	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 18.904 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.5	58.5
77	31.1	24.7	37.1

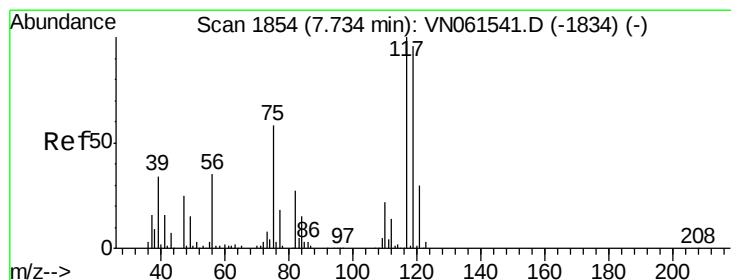
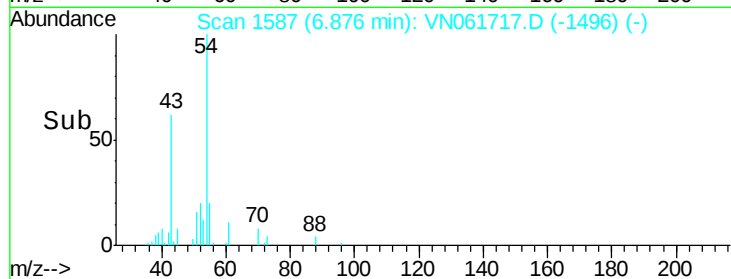
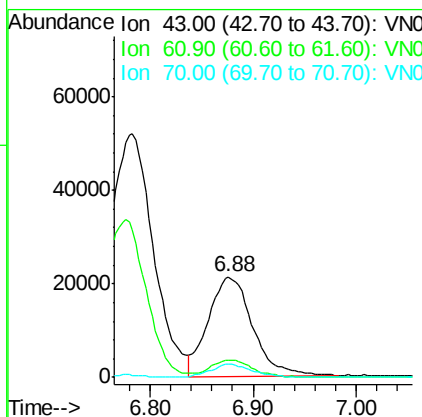
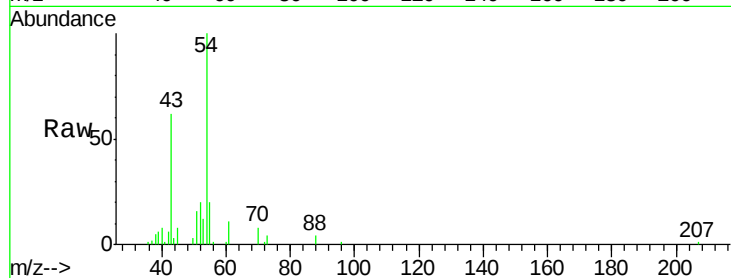




#37
Ethyl Acetate
Concen: 16.688 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

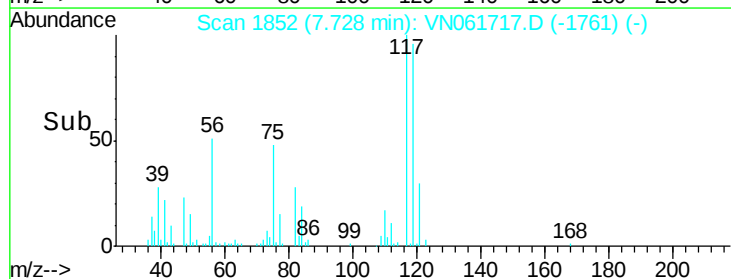
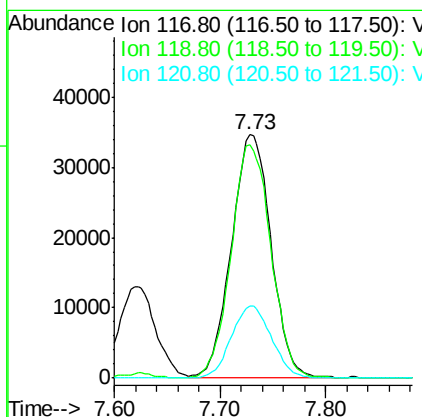
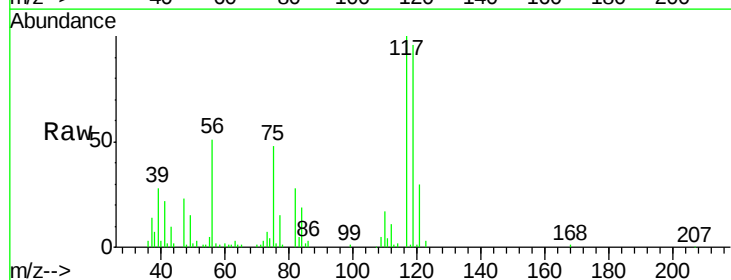
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

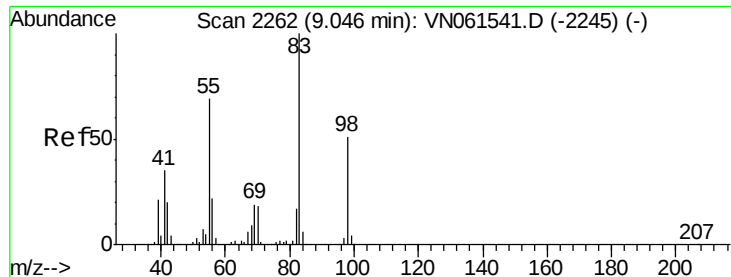
Tot Ion: 43 Resp: 63224
Ion Ratio Lower Upper
43 100
61 15.4 12.2 18.4
70 12.4 9.4 14.2



#38
Carbon Tetrachloride
Concen: 19.966 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 117 Resp: 90586
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7
121 29.7 24.1 36.1

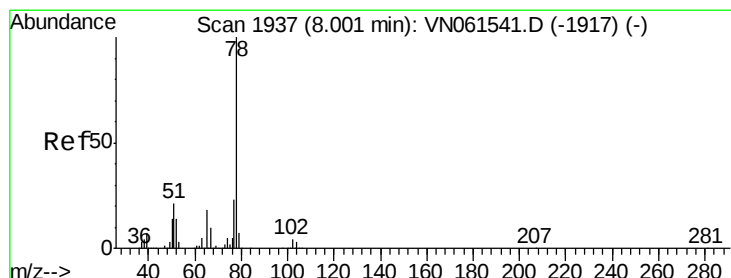
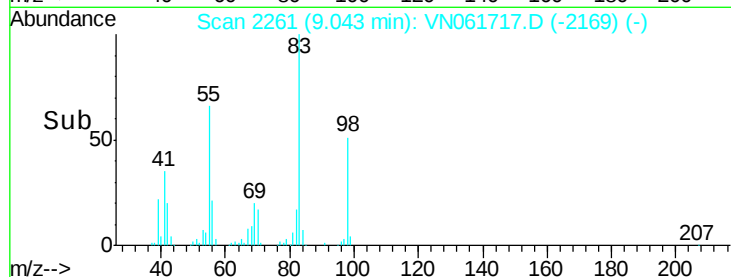
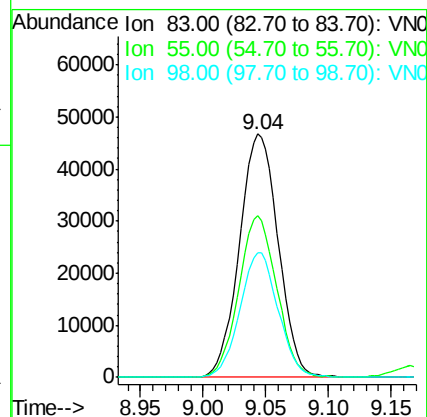
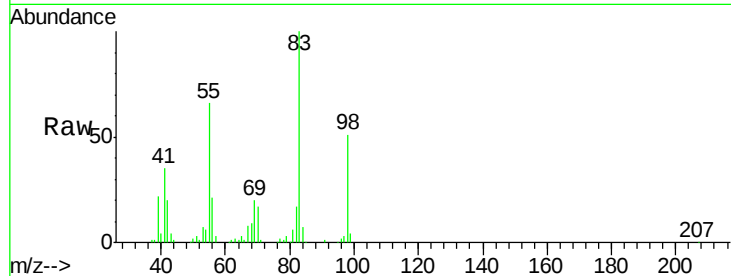




#39
Methvlcvclohexane
Concen: 17.349 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

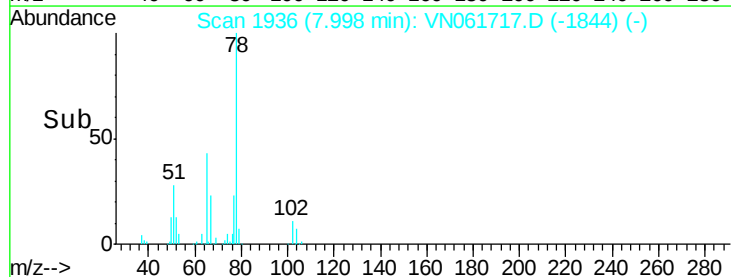
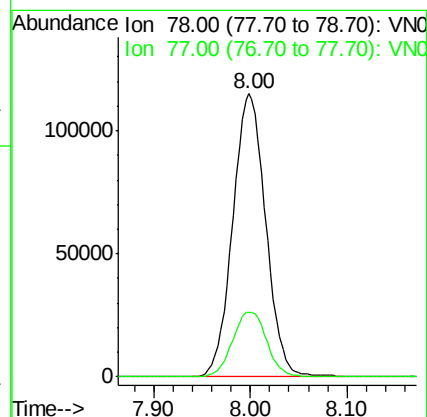
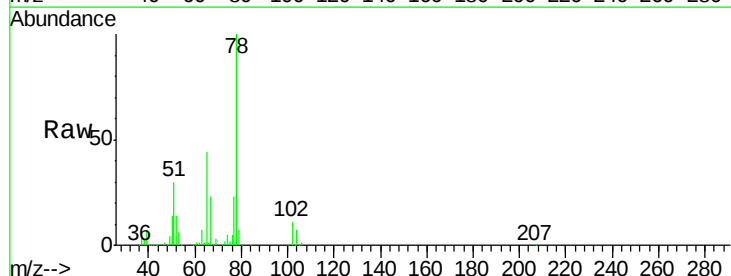
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

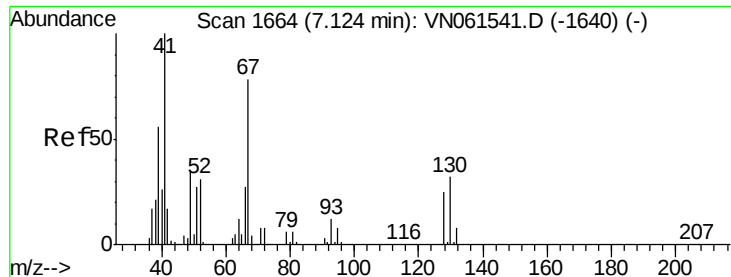
Tot Ion: 83 Resp: 100586
Ion Ratio Lower Upper
83 100
55 66.4 54.9 82.3
98 51.4 41.0 61.4



#40
Benzene
Concen: 18.749 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 78 Resp: 272108
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0

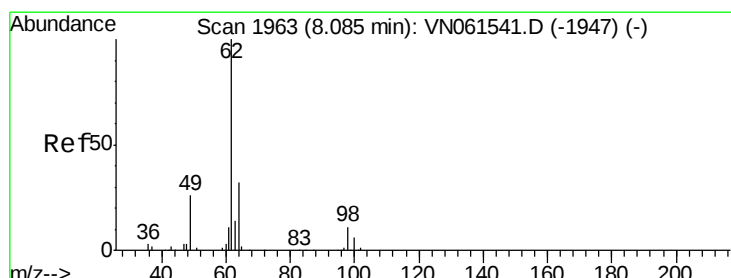
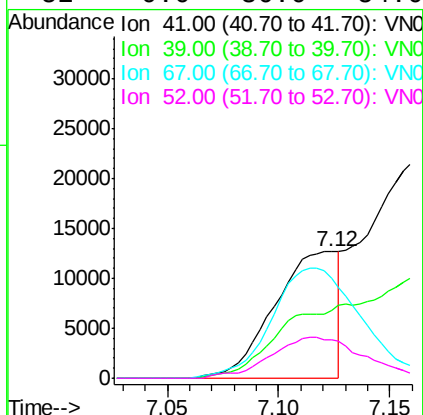
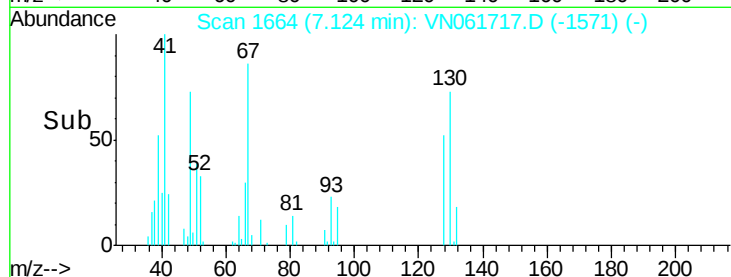
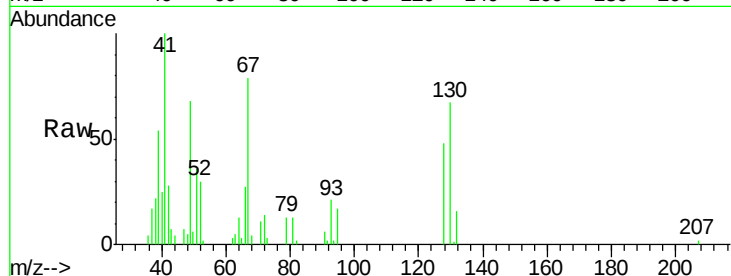




#41
Methacrylonitrile
Concen: 14.721 ug/l m
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

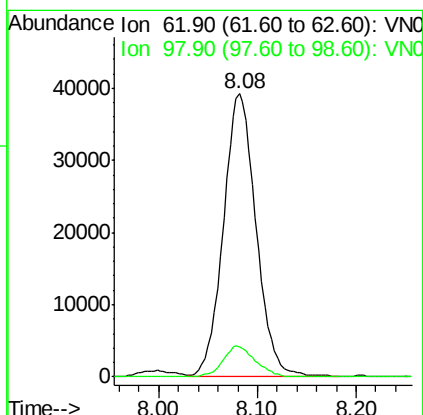
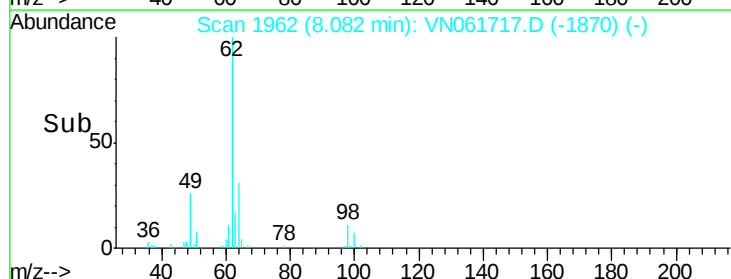
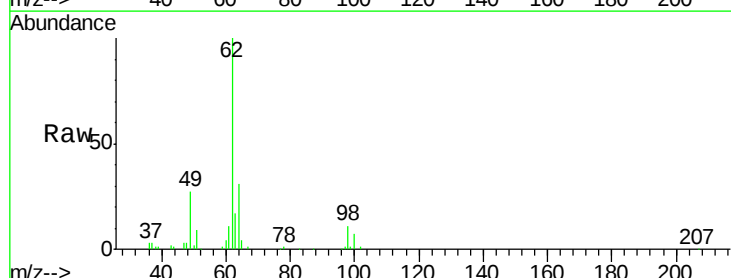
Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

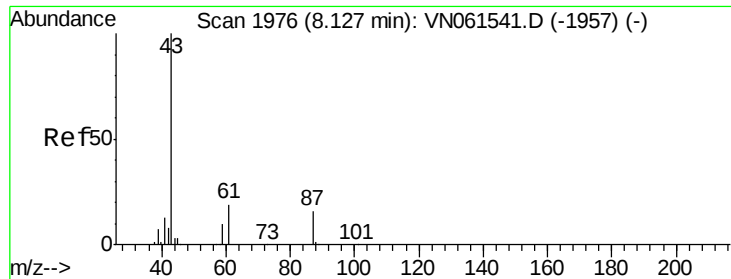
Tot Ion: 41 Resp: 25552
Ion Ratio Lower Upper
41 100
39 180.1 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 18.716 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 62 Resp: 90940
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.4





#43

Isopropyl Acetate

Concen: 15.912 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBS01

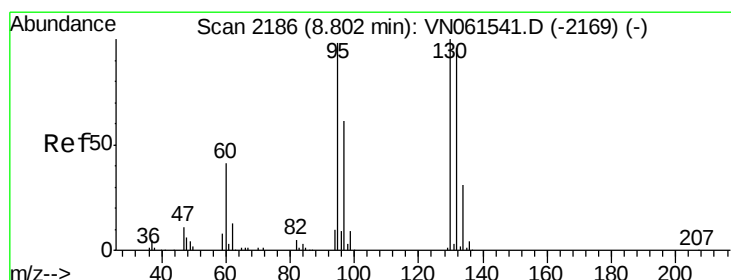
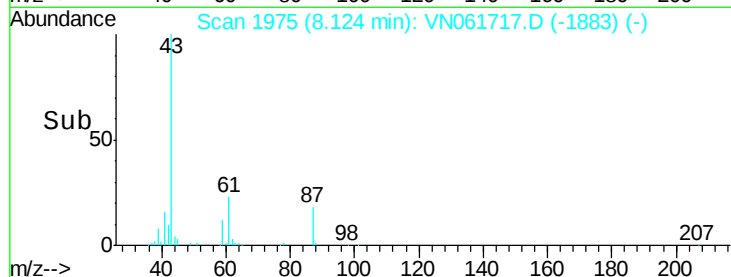
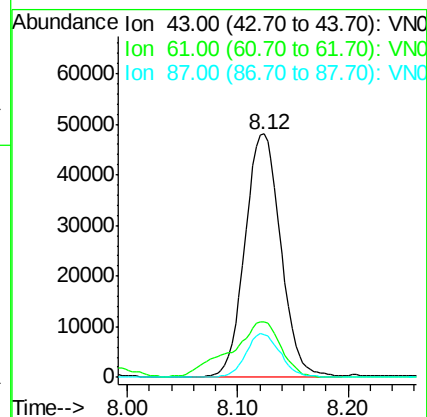
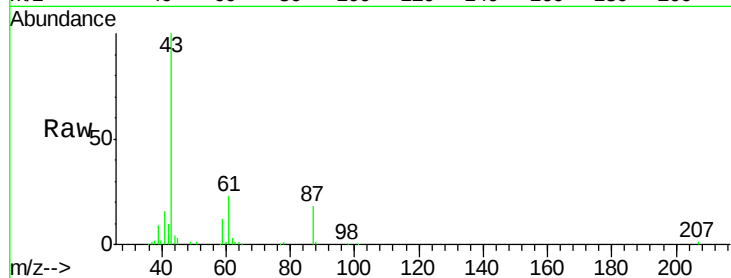
Tot Ion: 43 Resp: 108458

Ion Ratio Lower Upper

43 100

61 32.1 23.6 35.4

87 17.3 13.0 19.6



#44

Trichloroethene

Concen: 18.757 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061717.D

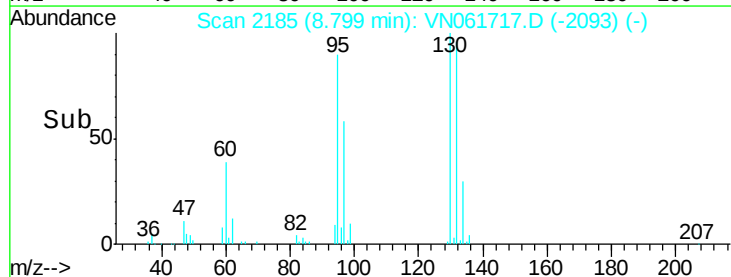
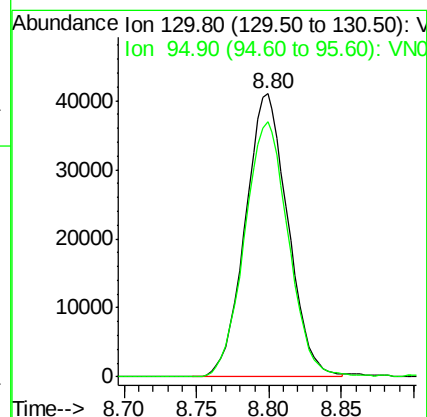
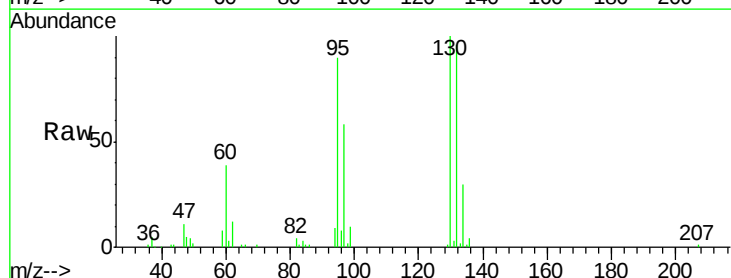
Acq: 9 Jun 2020 11:32

Tgt Ion: 130 Resp: 83661

Ion Ratio Lower Upper

130 100

95 90.3 0.0 196.6





#45

1,2-Dichloropropane

Concen: 19.201 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

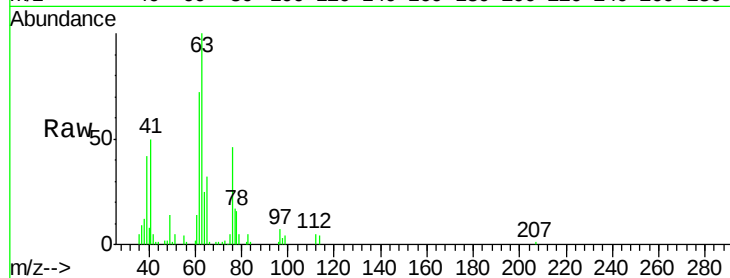
VN0609WBS01

Tot Ion: 63 Resp: 66170

Ion Ratio Lower Upper

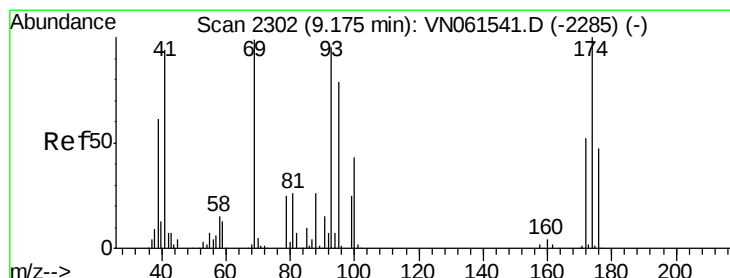
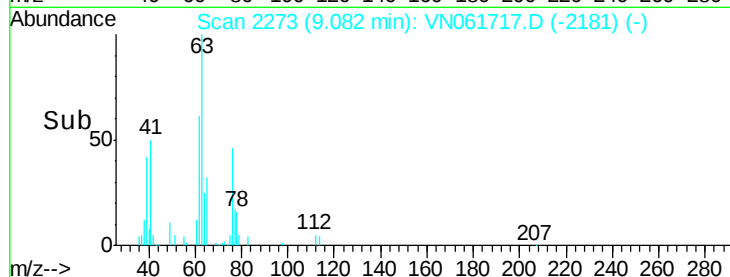
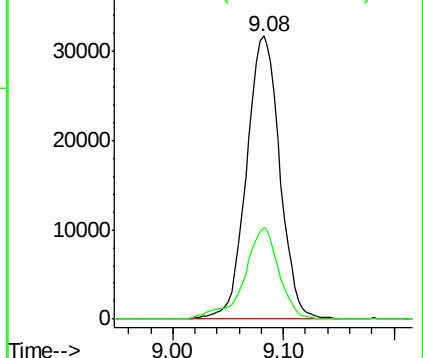
63 100

65 32.4 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.766 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

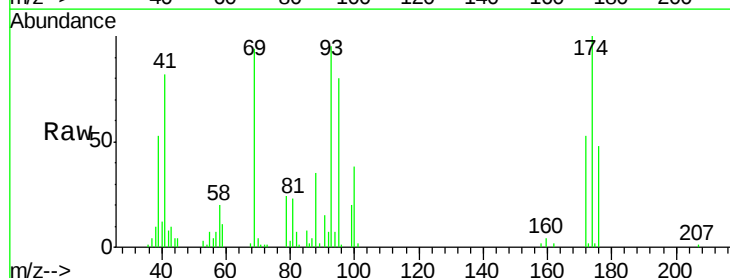
Tgt Ion: 93 Resp: 49599

Ion Ratio Lower Upper

93 100

95 83.8 66.0 99.0

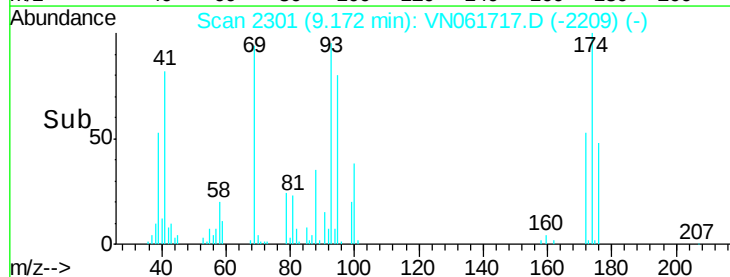
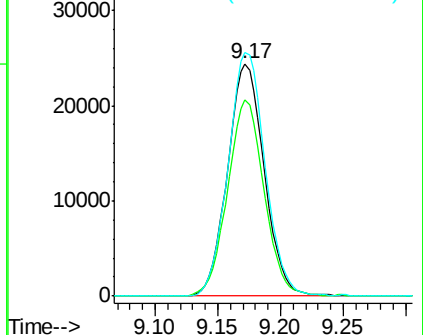
174 105.7 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.163 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBS01

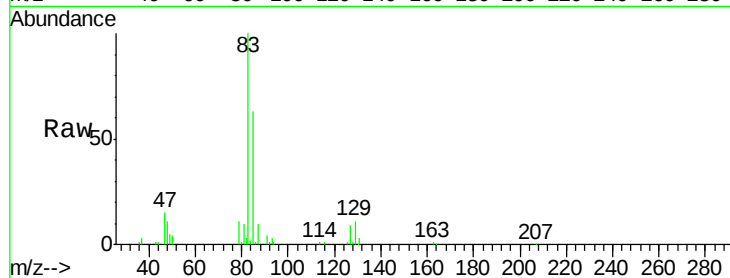
Tot Ion: 83 Resp: 100350

Ion Ratio Lower Upper

83 100

85 62.9 51.1 76.7

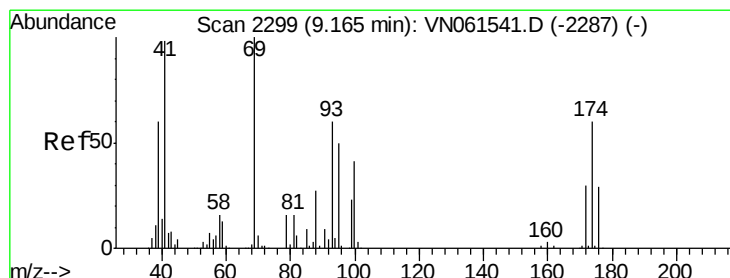
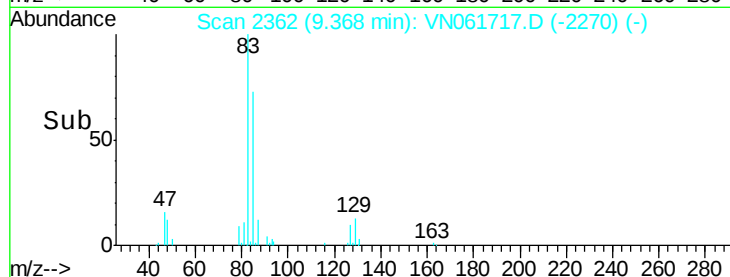
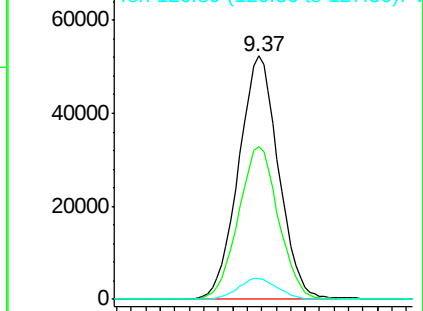
127 8.7 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061717.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061717.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061717.D (-2270) (-)



#48

Methyl methacrylate

Concen: 15.801 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

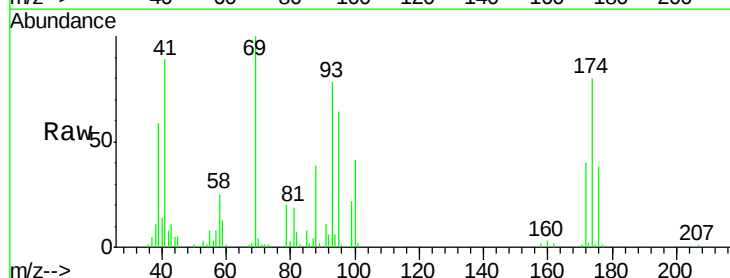
Tgt Ion: 41 Resp: 48456

Ion Ratio Lower Upper

41 100

69 108.7 83.9 125.9

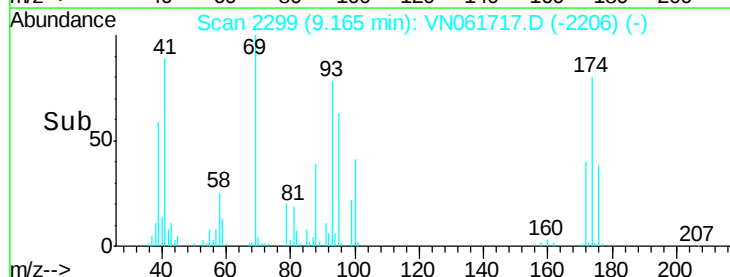
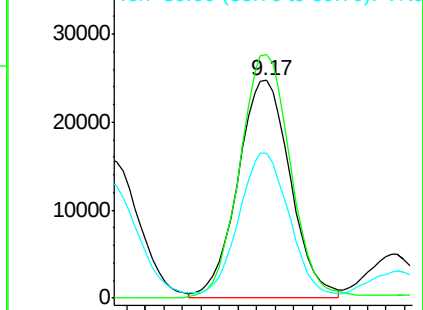
39 64.2 52.1 78.1

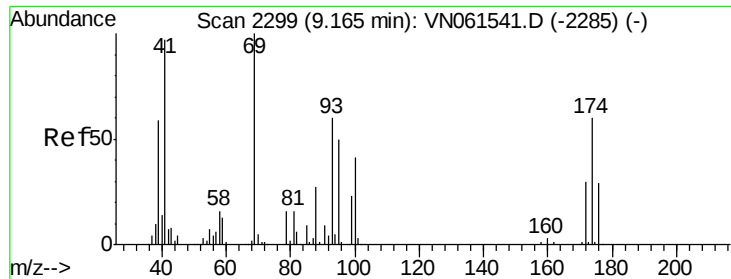


Abundance Ion 41.00 (40.70 to 41.70): VN061717.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061717.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061717.D (-2206) (-)





#49

1,4-Dioxane

Concen: 493.249 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBS01

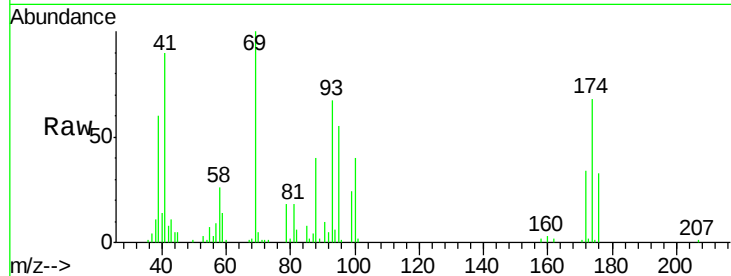
Tot Ion: 88 Resp: 23433

Ion Ratio Lower Upper

88 100

43 26.2 23.1 34.7

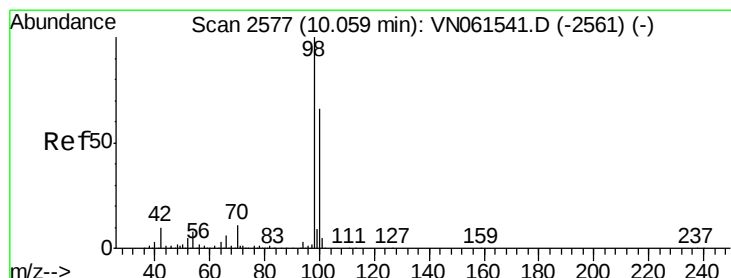
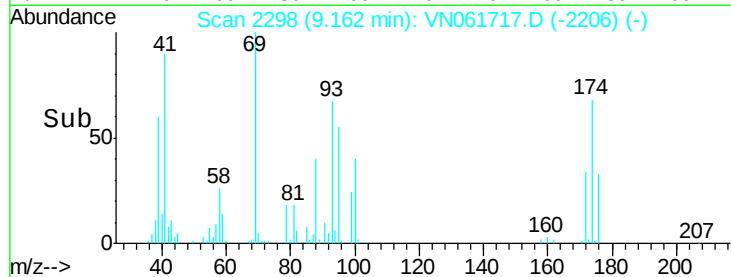
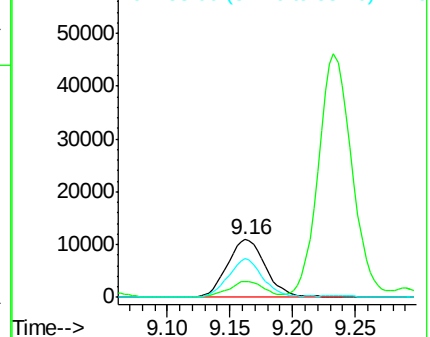
58 59.3 48.3 72.5



Abundance Ion 88.00 (87.70 to 88.70): VN061717.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN061717.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN061717.D (-2298) (-)



#50

Toluene-d8

Concen: 50.629 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VN061717.D

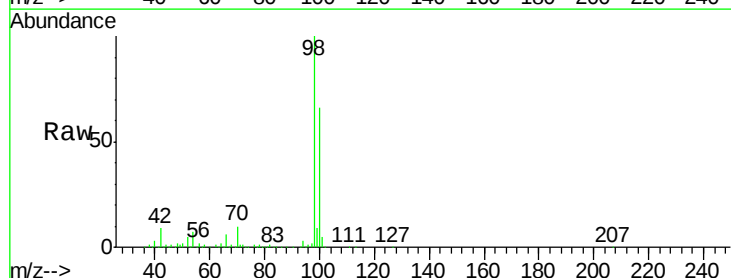
Acq: 9 Jun 2020 11:32

Tgt Ion: 98 Resp: 632401

Ion Ratio Lower Upper

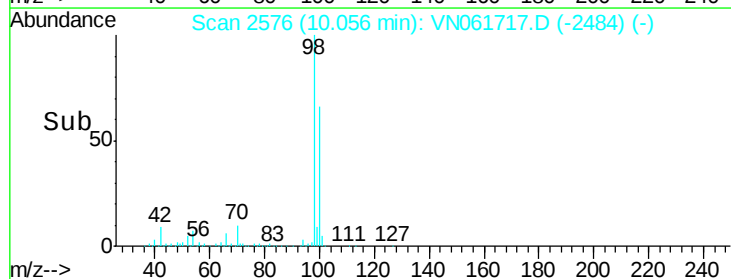
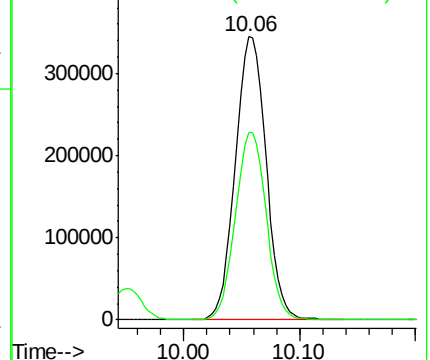
98 100

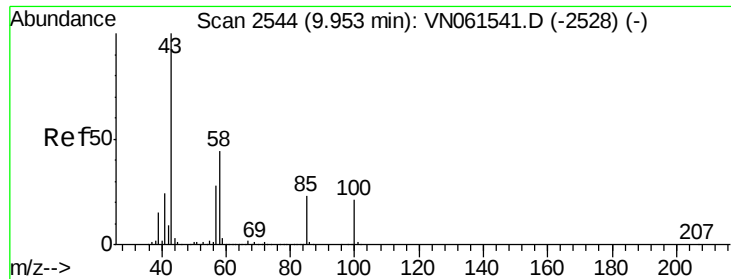
100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061717.D (-2576) (-)

Ion 100.00 (99.70 to 100.70): VN061717.D (-2576) (-)





#51

4-Methyl-2-Pentanone

Concen: 83.544 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

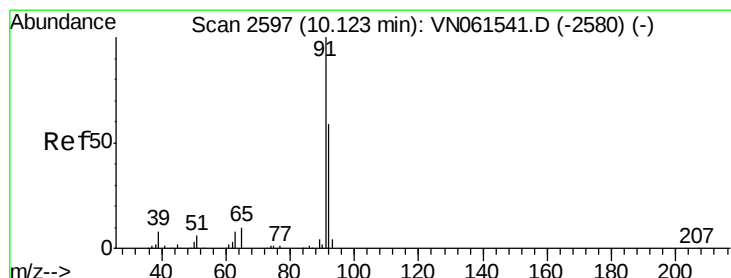
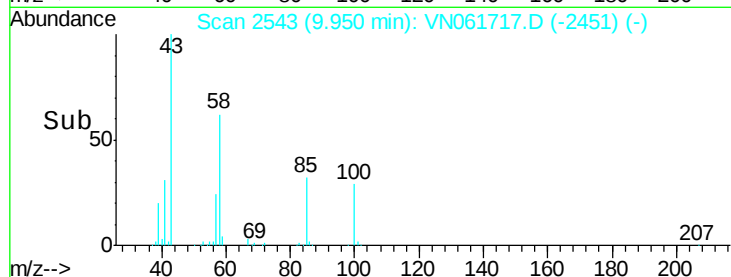
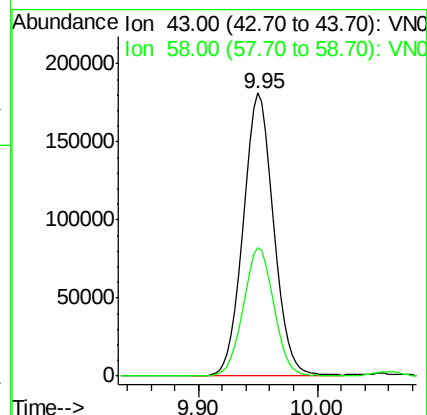
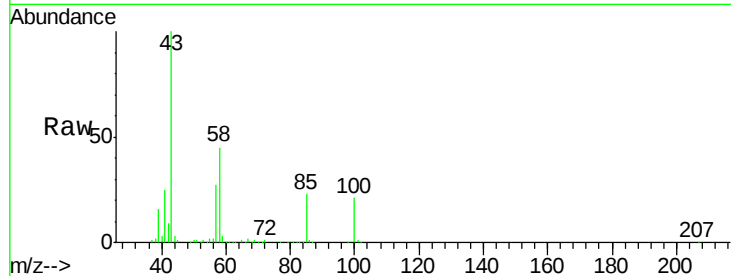
VN0609WBS01

Tot Ion: 43 Resp: 320893

Ion Ratio Lower Upper

43 100

58 45.8 35.0 52.6



#52

Toluene

Concen: 19.239 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061717.D

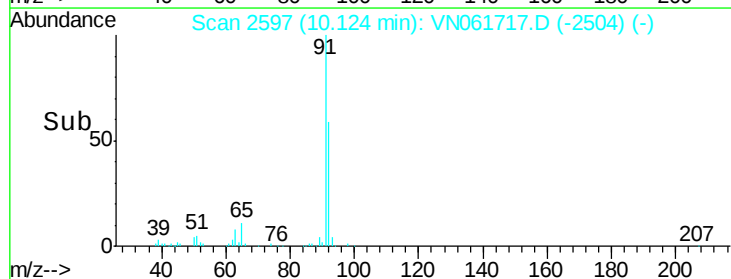
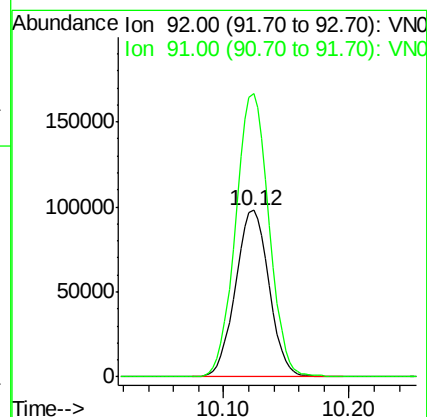
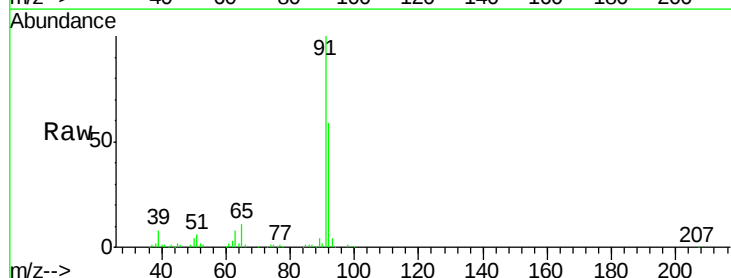
Acq: 9 Jun 2020 11:32

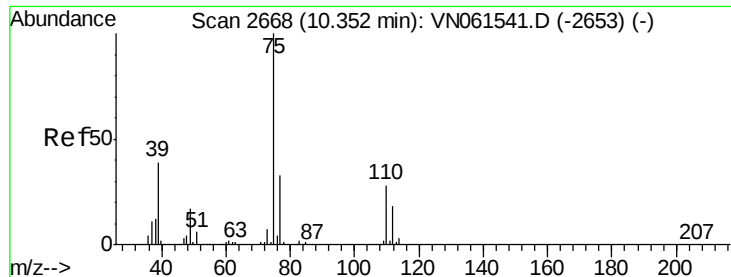
Tgt Ion: 92 Resp: 182240

Ion Ratio Lower Upper

92 100

91 168.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 17.766 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

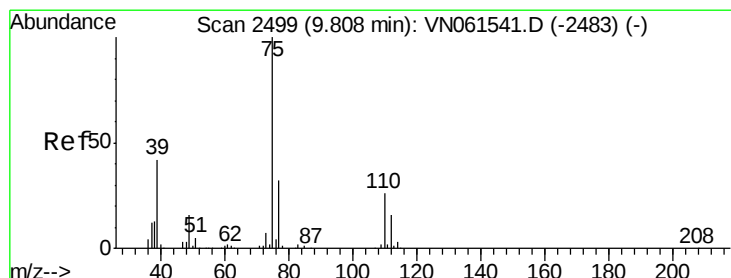
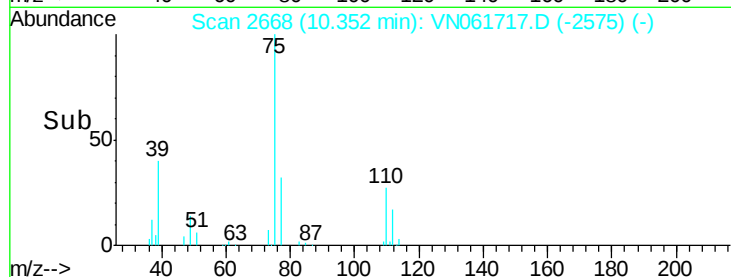
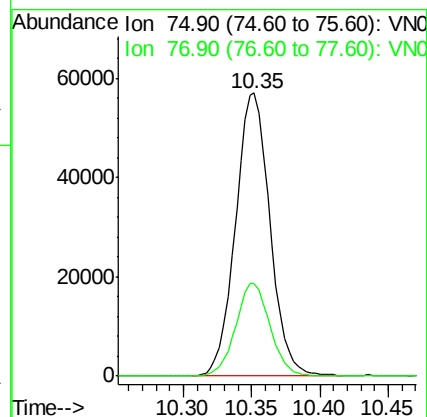
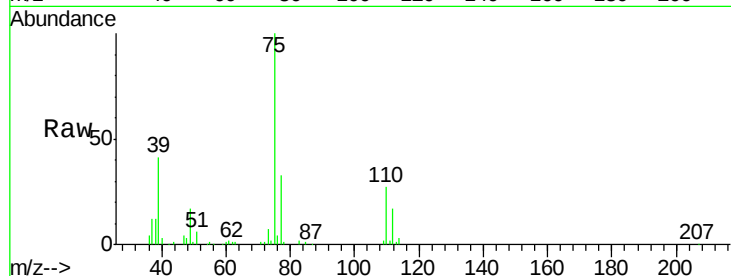
VN0609WBS01

Tot Ion: 75 Resp: 100220

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 18.531 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

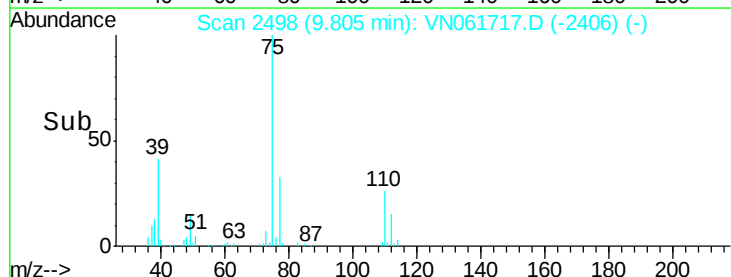
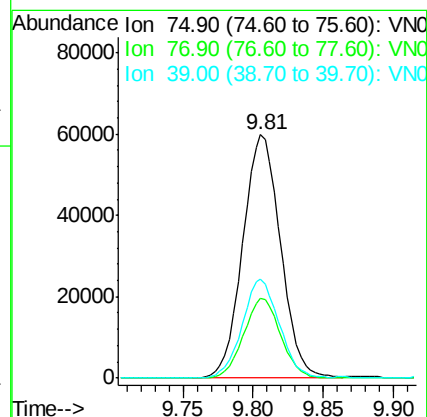
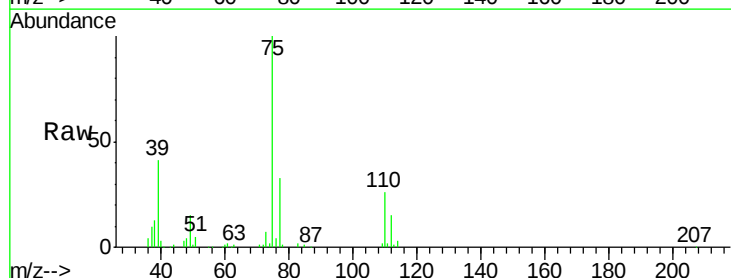
Tgt Ion: 75 Resp: 112402

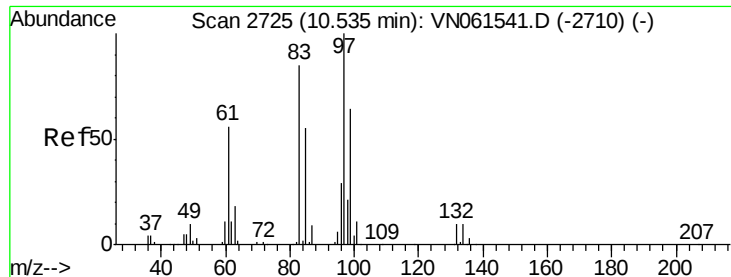
Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.2

39 40.8 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 19.551 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

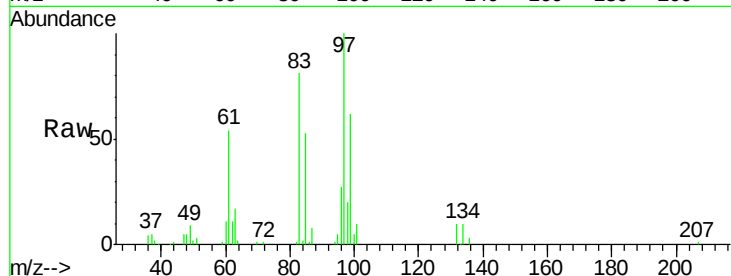
MSVOA_N

ClientSampled :

VN0609WBS01

Tot Ion: 97 Resp: 73785

Ion	Ratio	Lower	Upper
97	100		
83	81.2	68.1	102.1
85	52.6	44.1	66.1
99	62.4	51.1	76.7

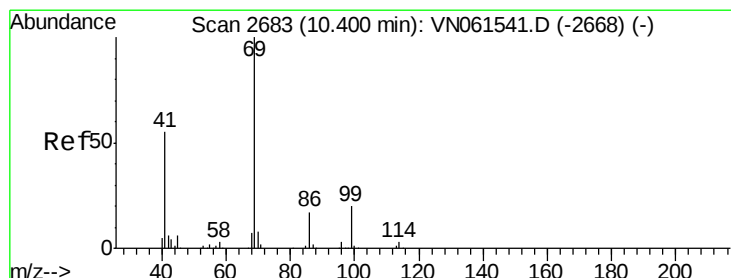
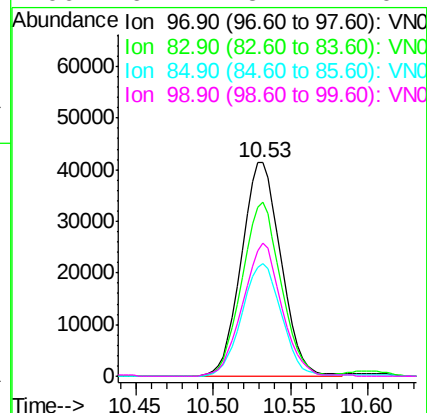
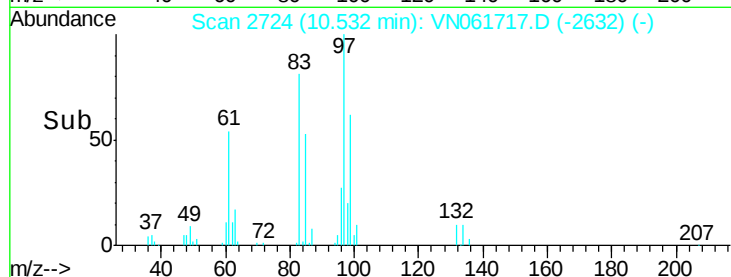


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.176 ug/l

RT: 10.40 min Scan# 2683

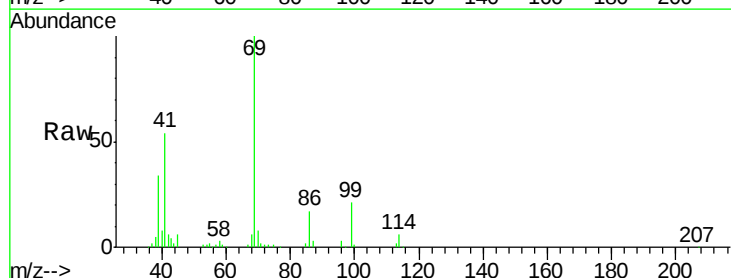
Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Tgt Ion: 69 Resp: 90547

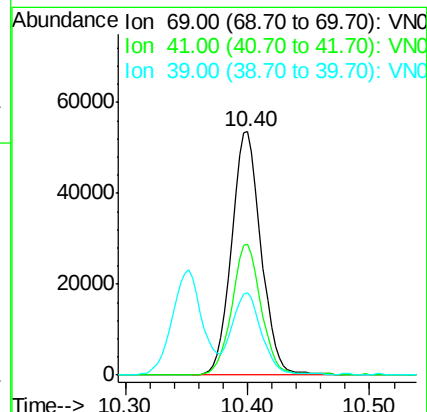
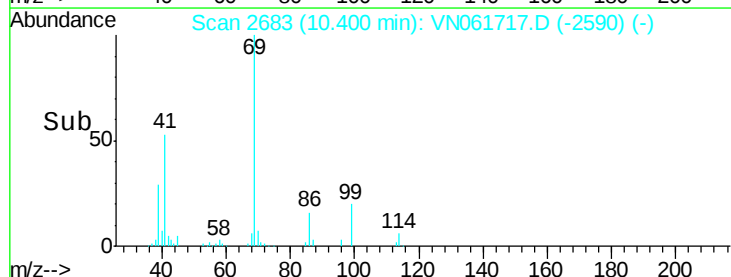
Ion	Ratio	Lower	Upper
69	100		
41	53.9	43.5	65.3
39	32.8	27.0	40.6

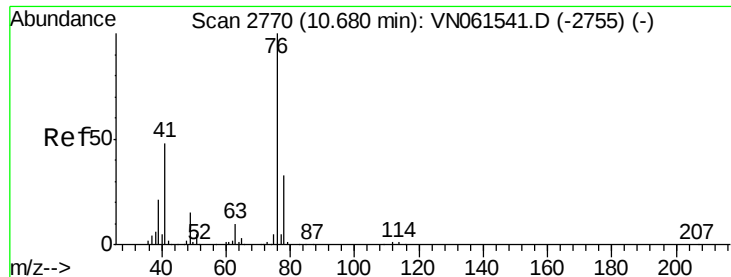


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

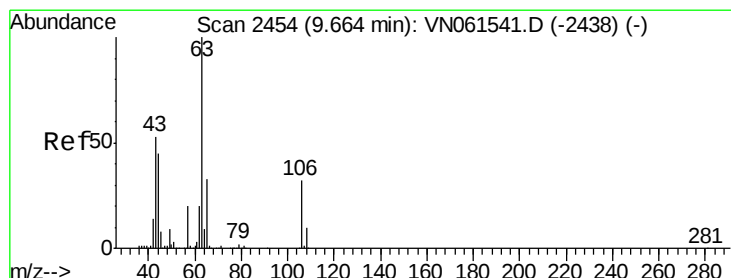
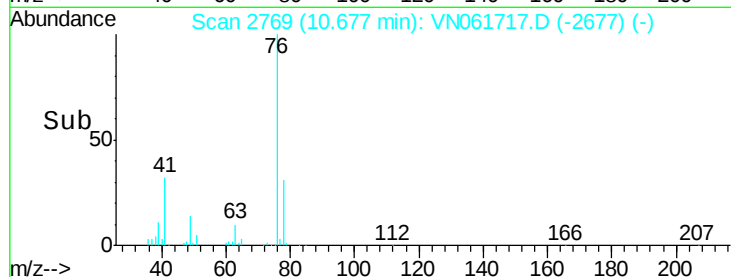
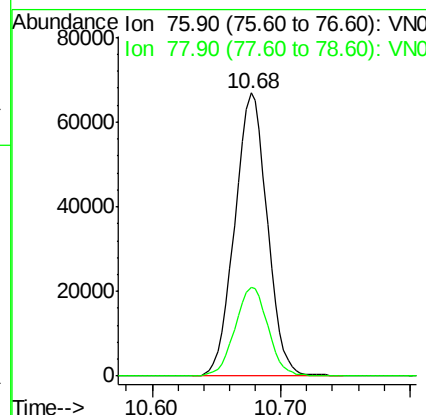
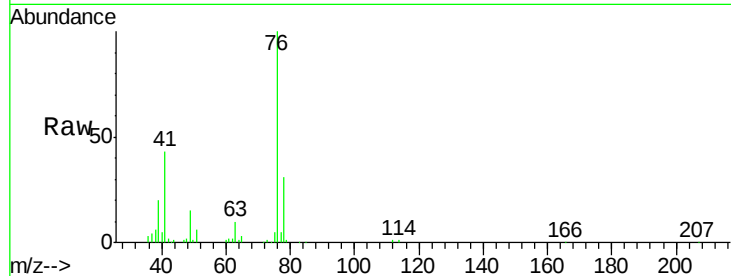




#57
 1,3-Dichloropropane
 Concen: 19.391 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

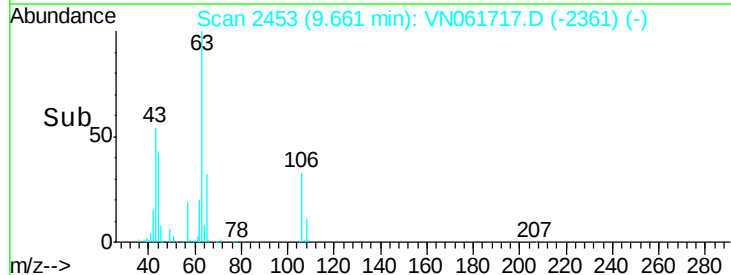
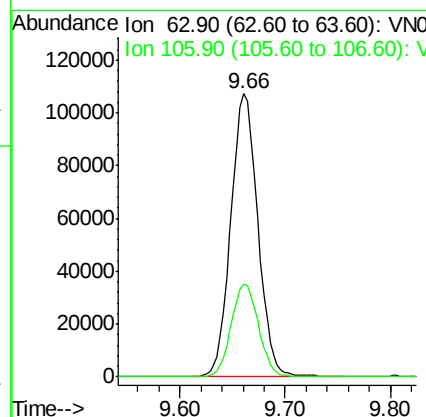
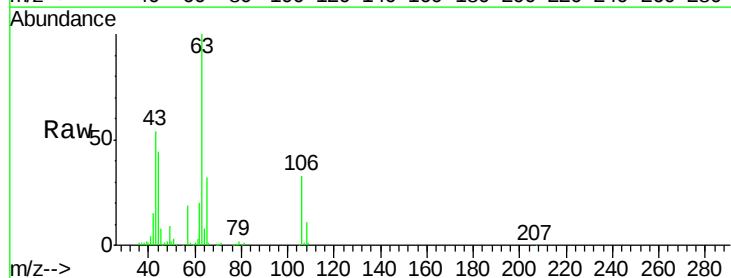
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

Tot Ion: 76 Resp: 117043
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.523 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion: 63 Resp: 190421
 Ion Ratio Lower Upper
 63 100
 106 33.2 25.9 38.9

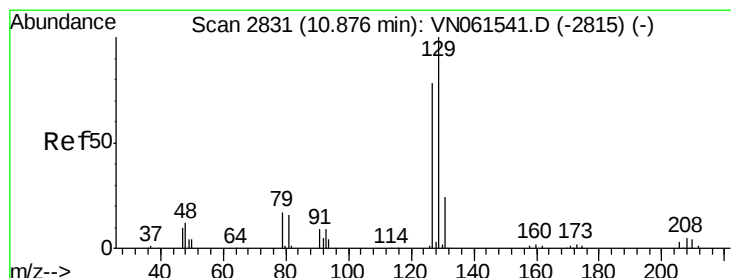
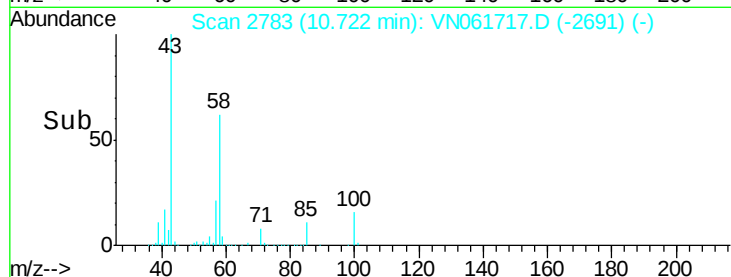
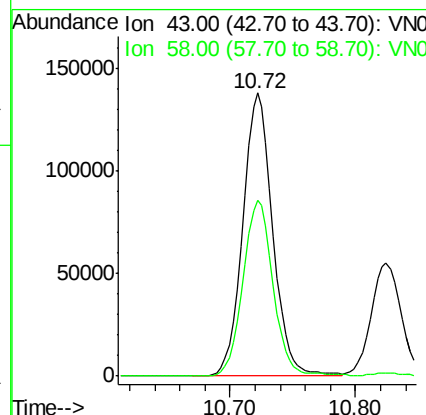
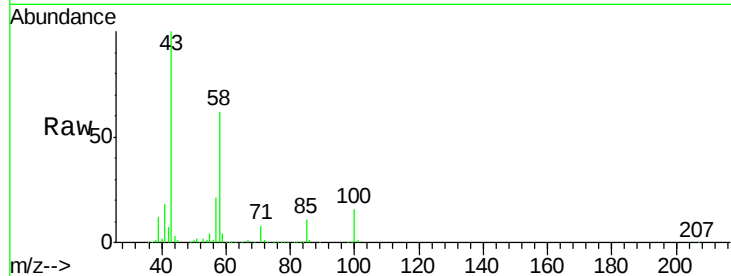




#59
2-Hexanone
Concen: 82.865 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

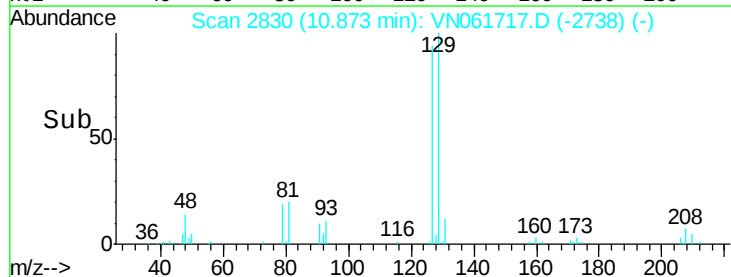
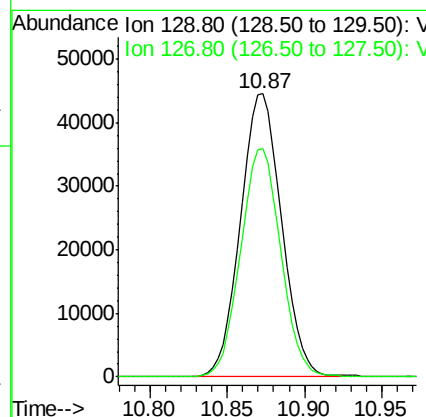
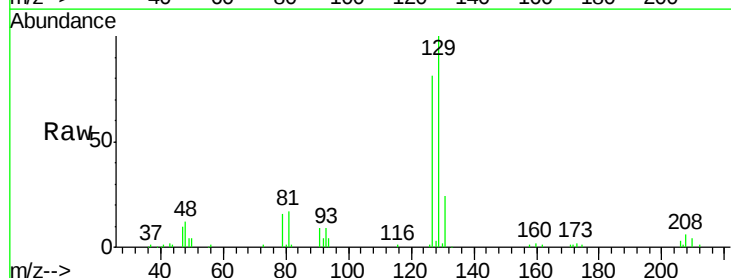
Instrument :
MSVOA_N
ClientSampled :
VN0609WBS01

Tot Ion: 43 Resp: 228585
Ion Ratio Lower Upper
43 100
58 62.7 30.7 92.1



#60
Dibromochloromethane
Concen: 19.189 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 129 Resp: 82329
Ion Ratio Lower Upper
129 100
127 78.9 38.8 116.3

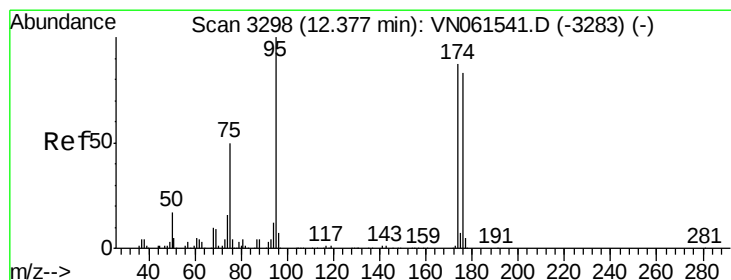
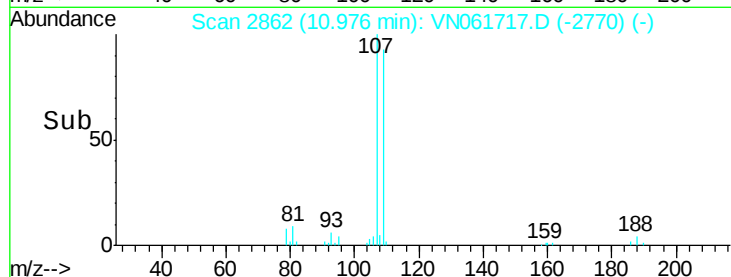
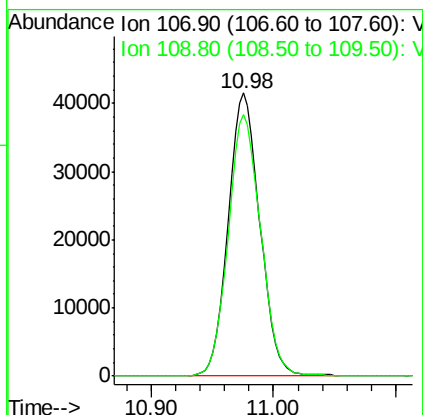
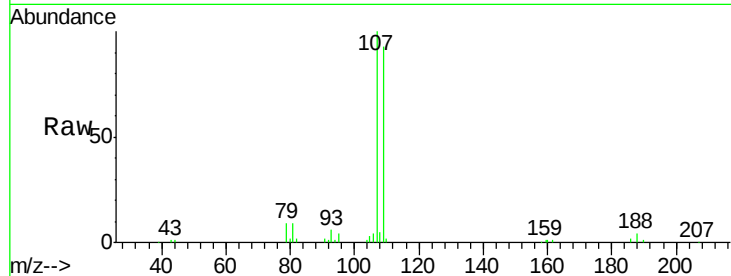




#61
 1,2-Dibromoethane
 Concen: 19.077 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

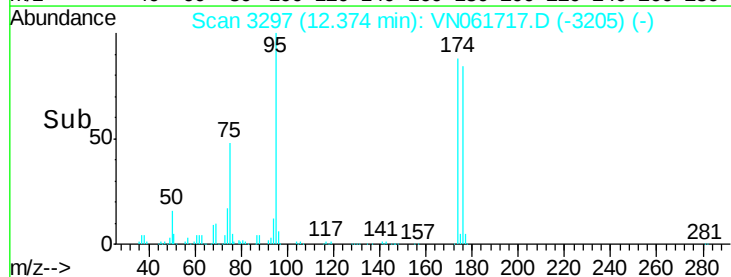
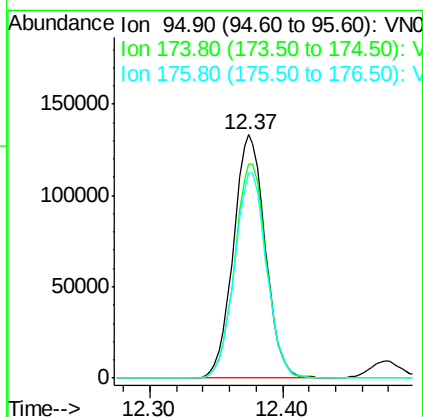
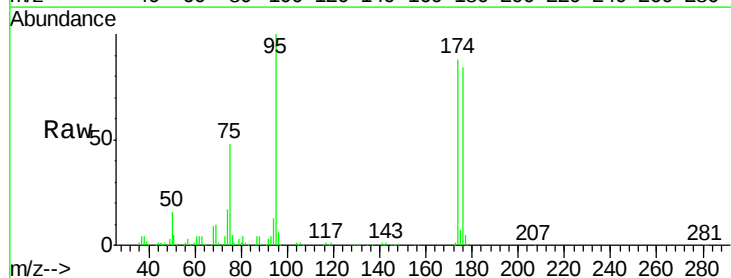
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

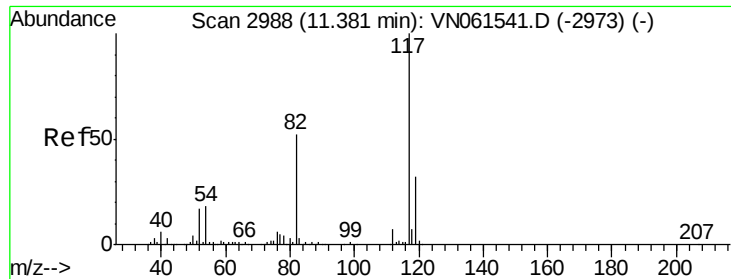
Tot Ion:107 Resp: 75089
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 48.700 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion: 95 Resp: 221930
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 172.8
 176 84.8 0.0 164.8

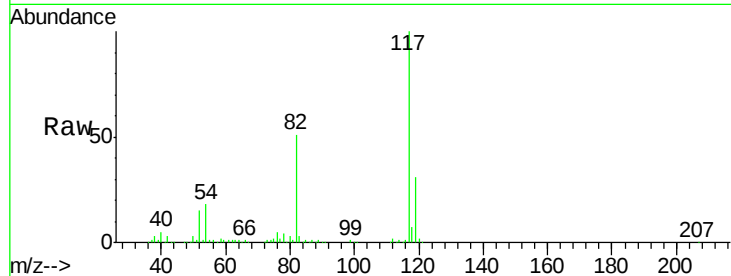




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.5	62.3
119	31.5	25.6	38.4

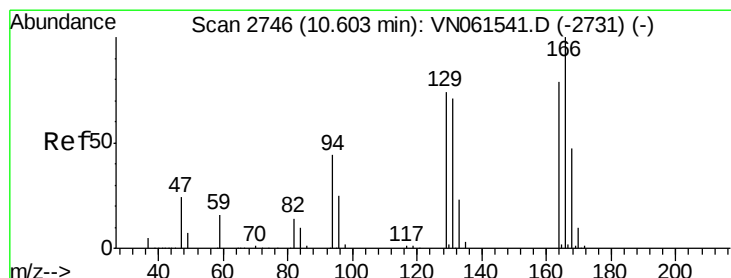
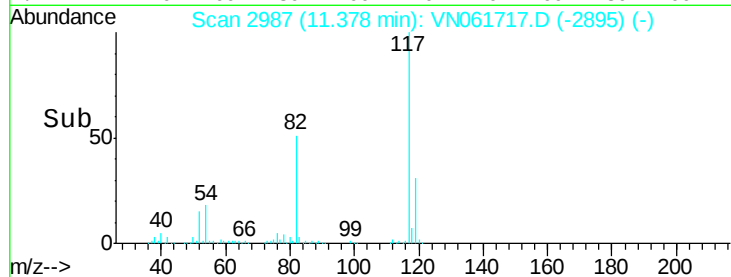
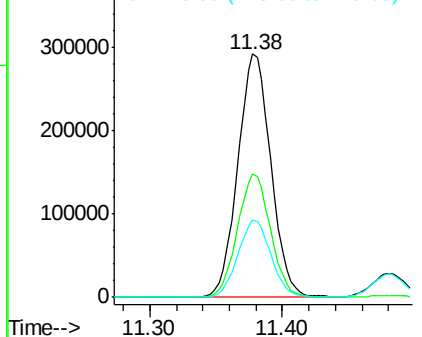


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.228 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.5	152.3
129	90.0	74.9	112.3
131	90.6	72.2	108.2

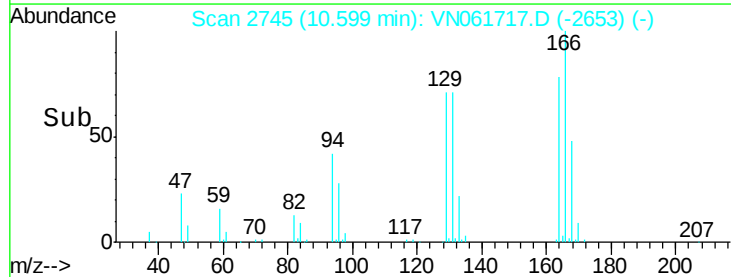
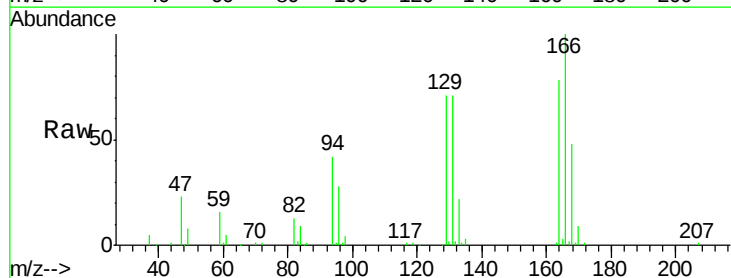
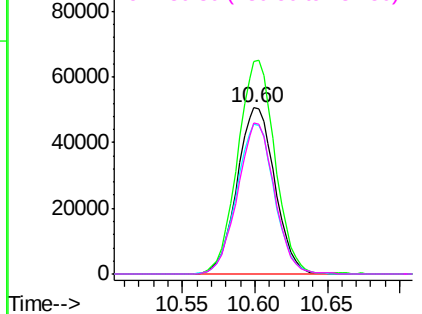
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

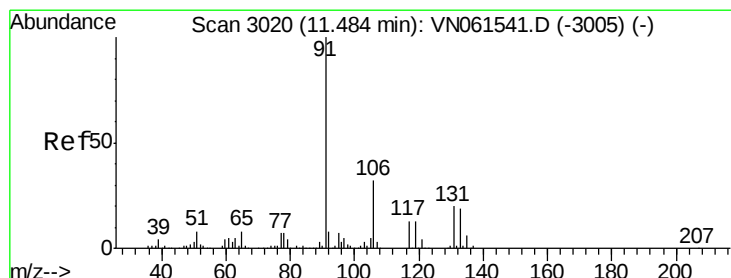
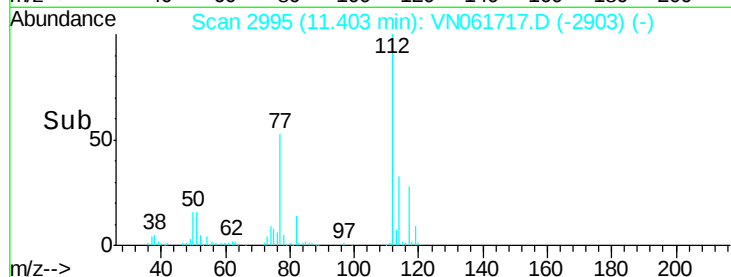
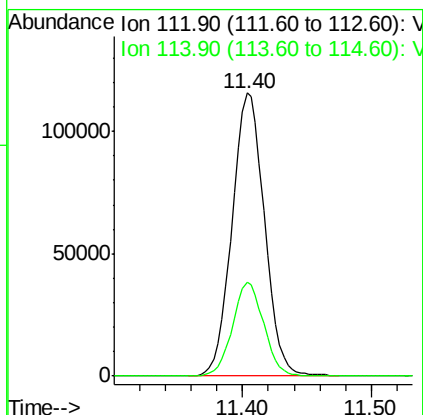
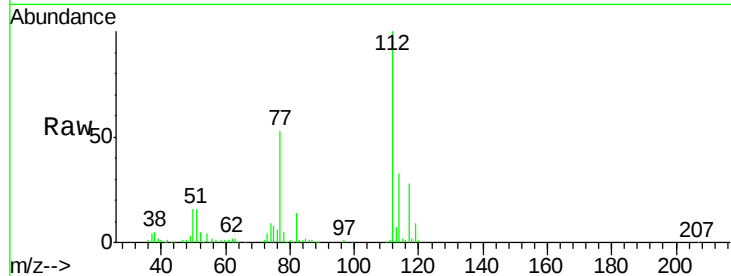




#65
Chlorobenzene
Concen: 19.238 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

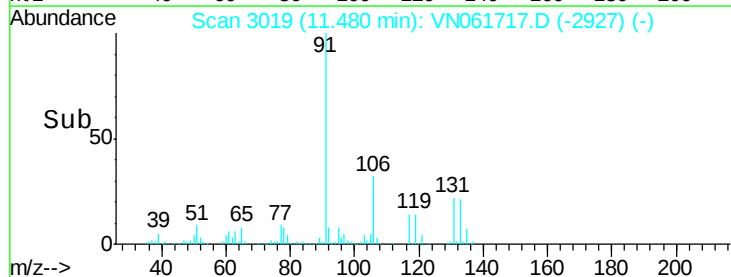
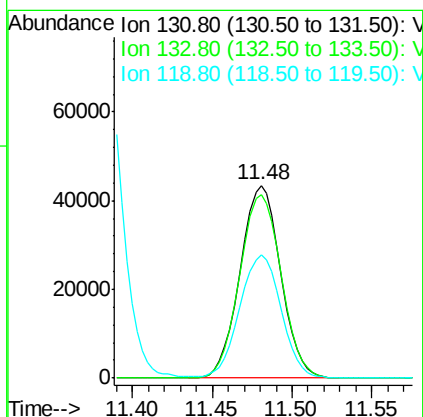
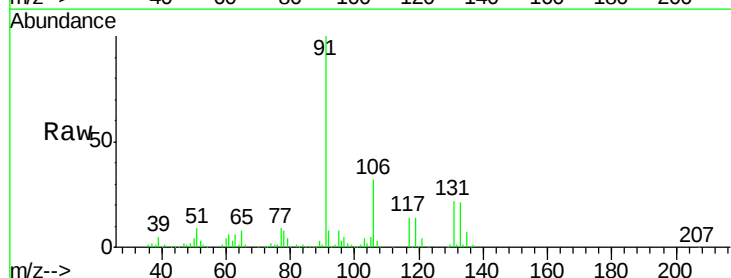
Instrument :
MSVOA_N
ClientSampled :
VN0609WBS01

Tot Ion:112 Resp: 201855
Ion Ratio Lower Upper
112 100
114 33.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.182 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion:131 Resp: 74942
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.2
119 65.7 32.6 97.8

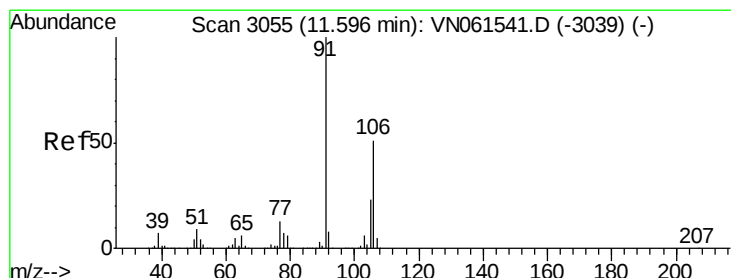
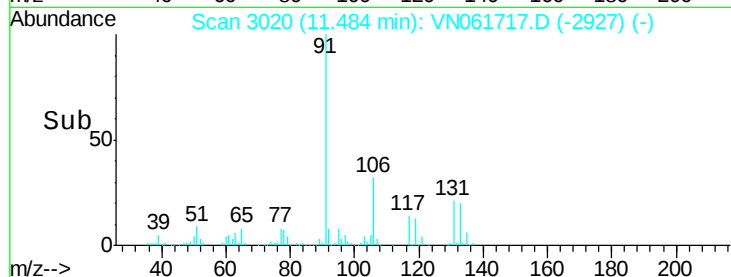
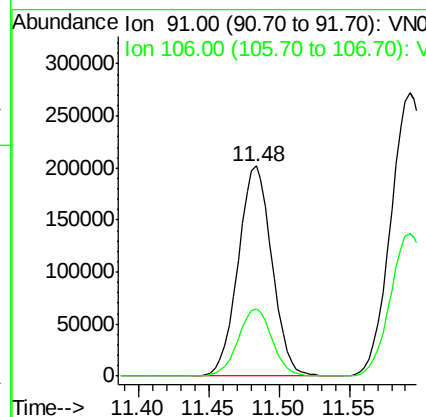
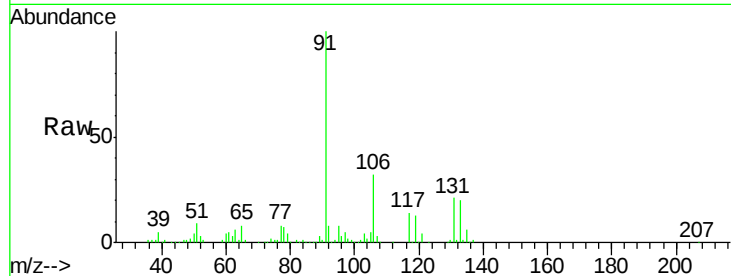




#67
Ethyl Benzene
Concen: 18.690 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

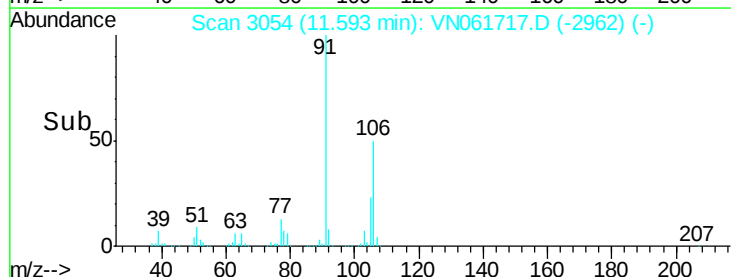
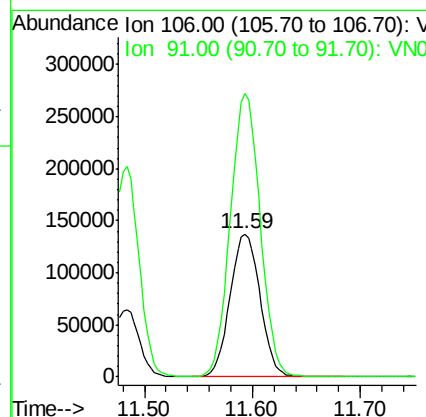
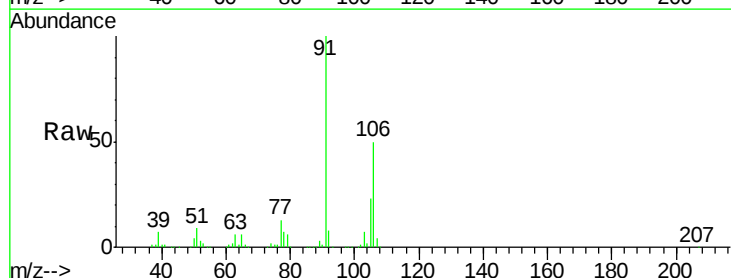
Instrument :
MSVOA_N
ClientSampled :
VN0609WBS01

Tot Ion: 91 Resp: 338945
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4



#68
m/p-Xylenes
Concen: 37.082 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion: 106 Resp: 266645
Ion Ratio Lower Upper
106 100
91 197.0 156.2 234.4

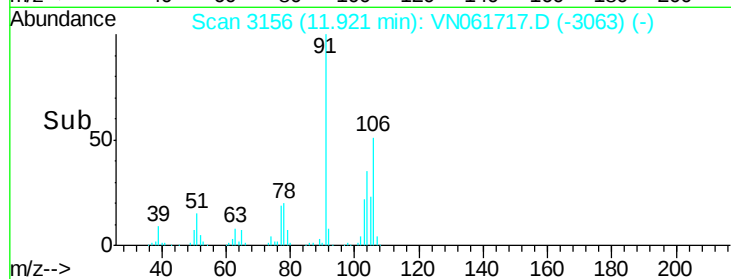
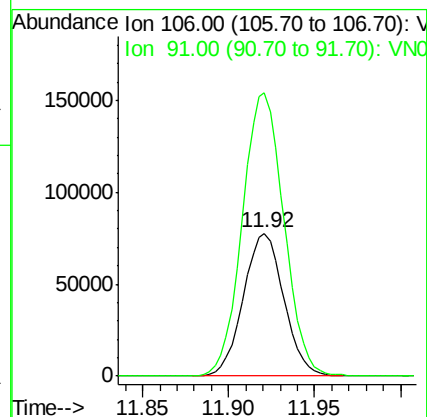
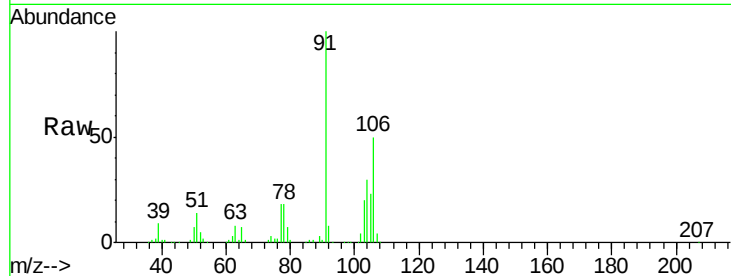




#69
o-Xylene
Concen: 18.636 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

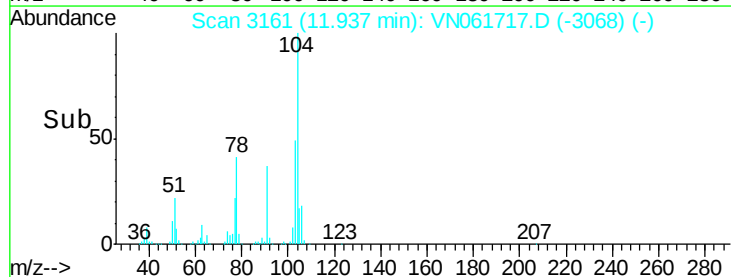
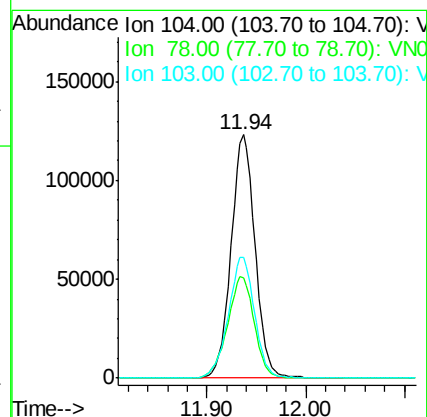
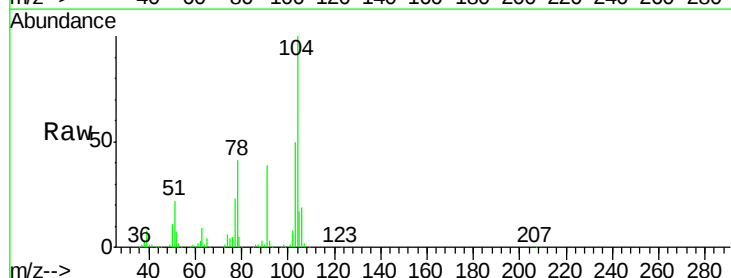
Instrument :
MSVOA_N
ClientSampled :
VN0609WBS01

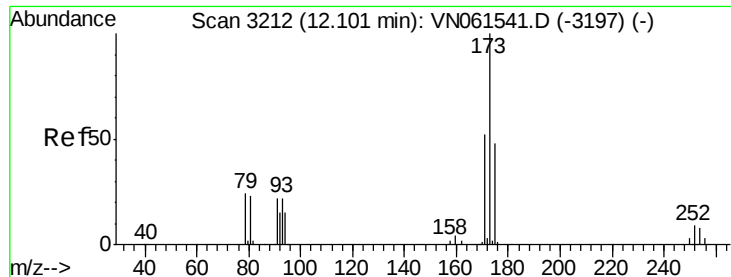
Tot Ion:106 Resp: 127282
Ion Ratio Lower Upper
106 100
91 203.3 103.3 309.8



#70
Styrene
Concen: 18.609 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061717.D
Acq: 9 Jun 2020 11:32

Tgt Ion:104 Resp: 210471
Ion Ratio Lower Upper
104 100
78 46.3 37.4 56.0
103 54.0 42.3 63.5





#71

Bromoform

Concen: 18.505 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBS01

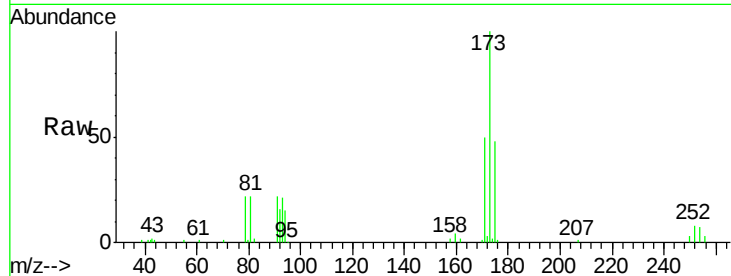
Tot Ion:173 Resp: 55711

Ion Ratio Lower Upper

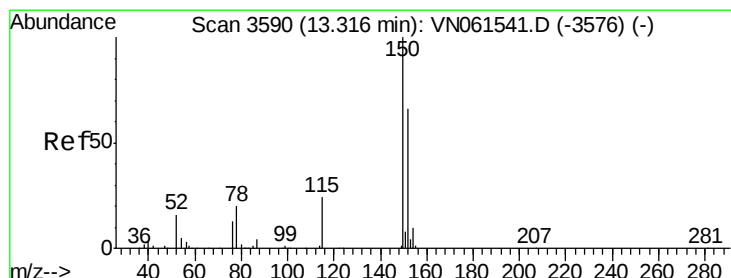
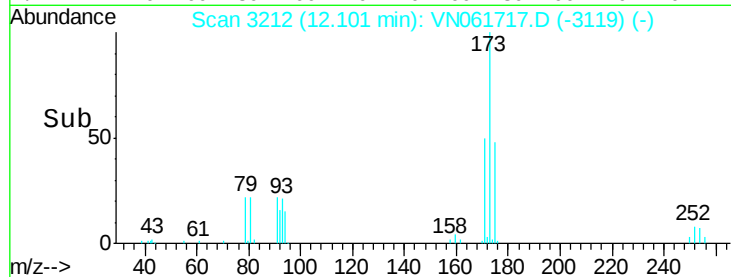
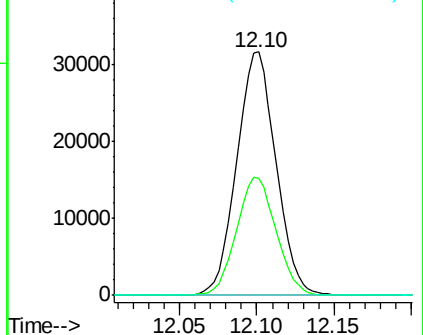
173 100

175 48.7 24.4 73.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

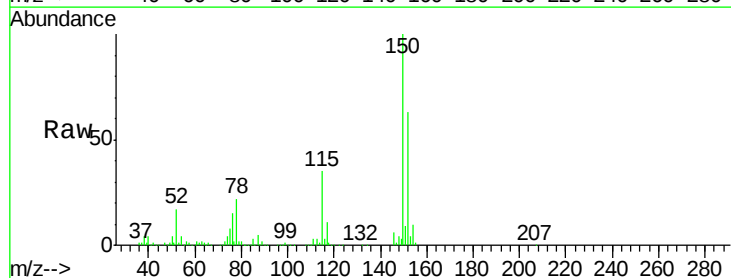
Tgt Ion:152 Resp: 249276

Ion Ratio Lower Upper

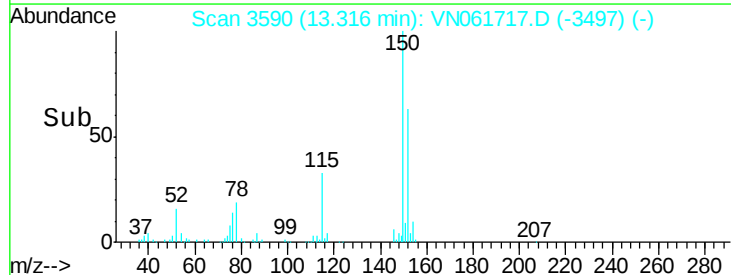
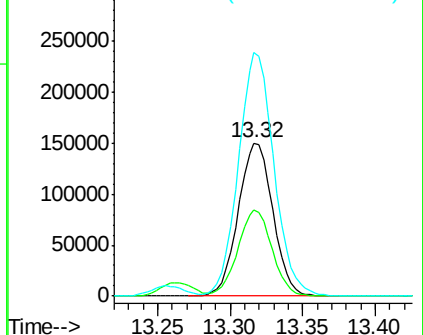
152 100

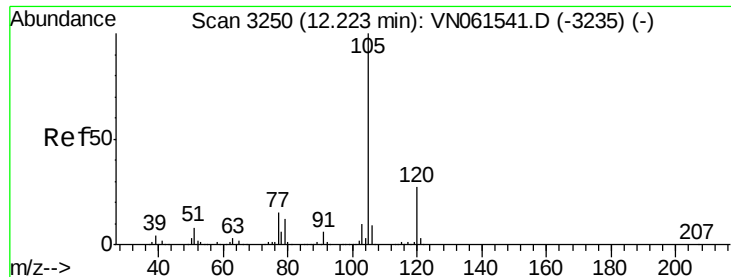
115 56.0 28.0 84.0

150 163.2 0.0 344.0



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





#73

Isopropylbenzene

Concen: 18.746 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

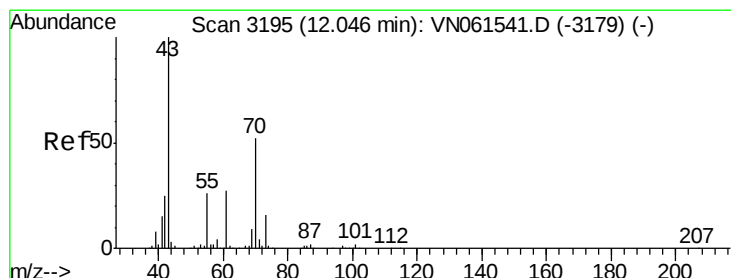
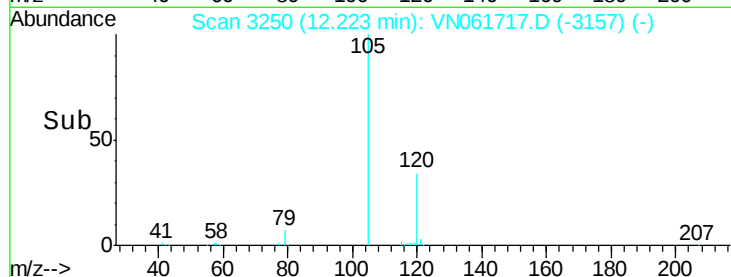
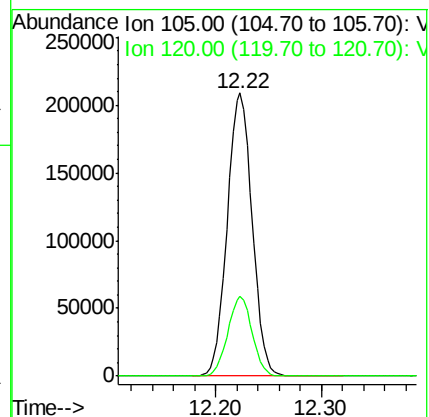
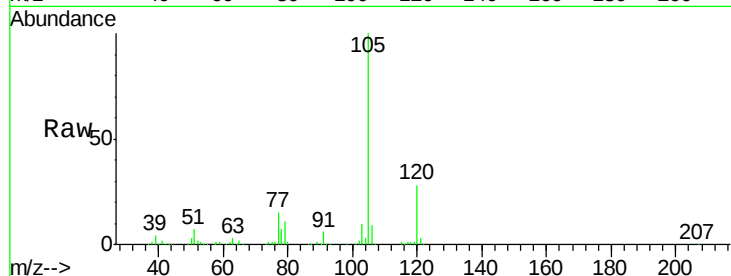
VN0609WBS01

Tot Ion:105 Resp: 341059

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 15.464 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Tgt Ion: 43 Resp: 88605

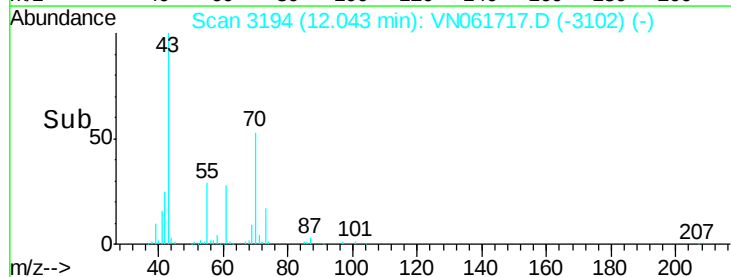
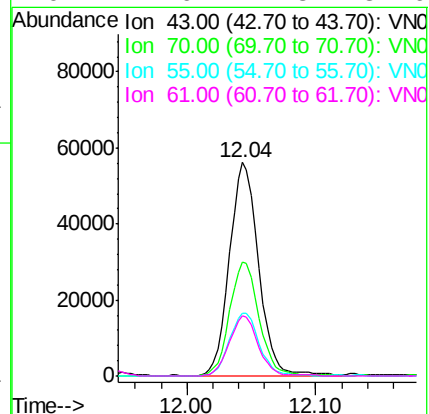
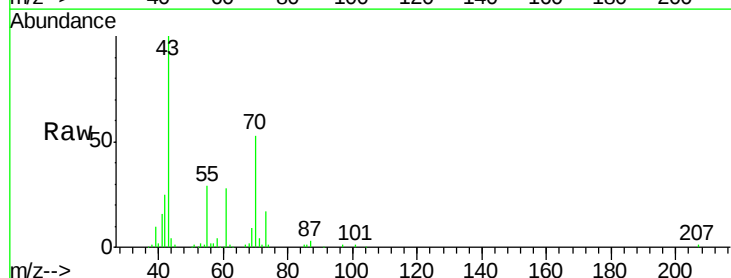
Ion Ratio Lower Upper

43 100

70 53.8 40.5 60.7

55 30.0 20.6 31.0

61 27.6 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.930 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0609WBS01

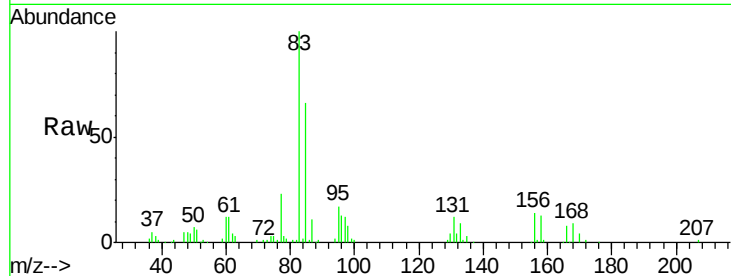
Tot Ion: 83 Resp: 91414

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.5

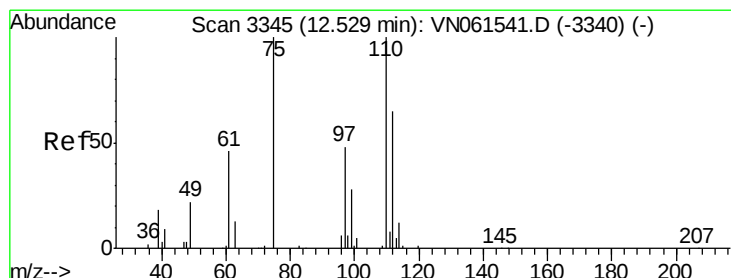
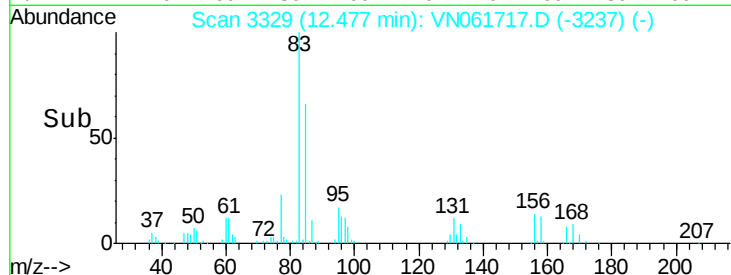
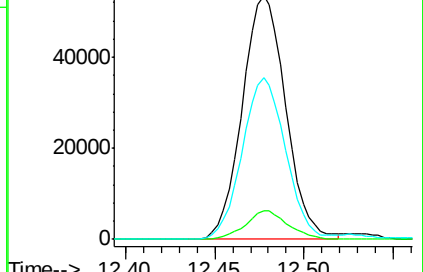
85 65.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061717.D (-3329) (-)

Ion 130.80 (130.50 to 131.50): VN061717.D (-3329) (-)

Ion 84.90 (84.60 to 85.60): VN061717.D (-3329) (-)



#76

1,2,3-Trichloropropane

Concen: 18.338 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061717.D

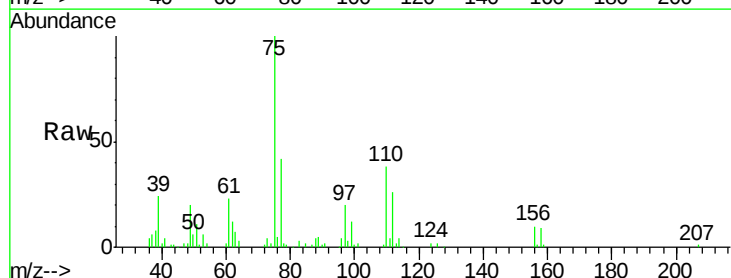
Acq: 9 Jun 2020 11:32

Tgt Ion: 75 Resp: 83124

Ion Ratio Lower Upper

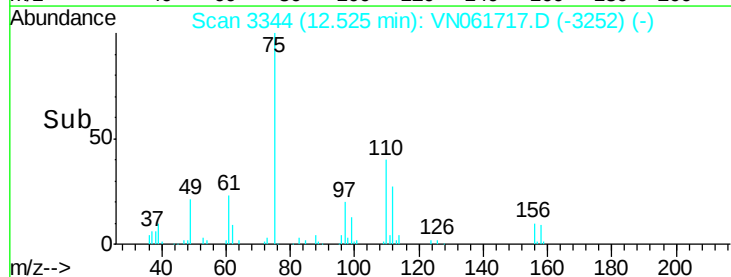
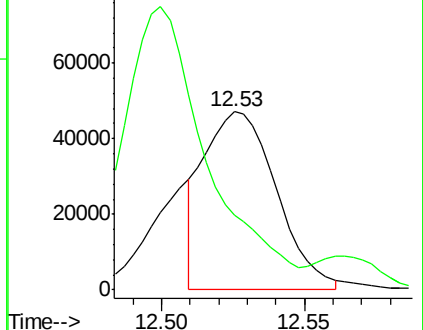
75 100

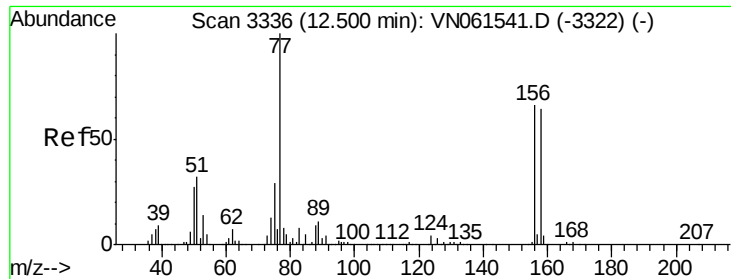
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061717.D (-3344) (-)

Ion 77.00 (76.70 to 77.70): VN061717.D (-3344) (-)





#77

Bromobenzene

Concen: 19.192 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0609WBS01

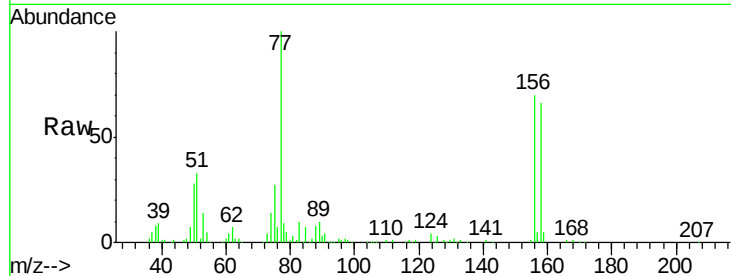
Tot Ion:156 Resp: 89128

Ion Ratio Lower Upper

156 100

77 173.7 90.9 272.7

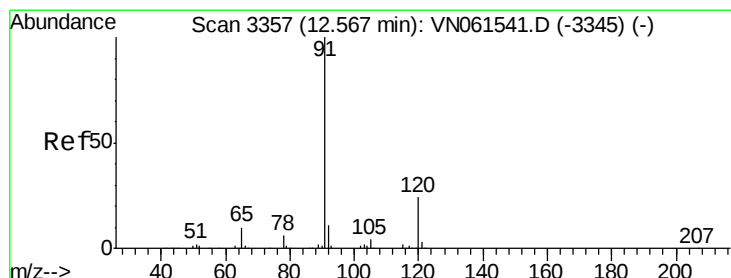
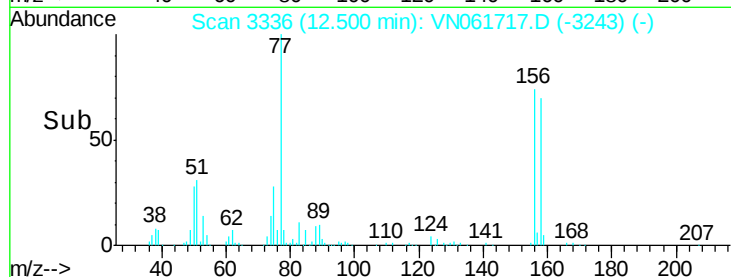
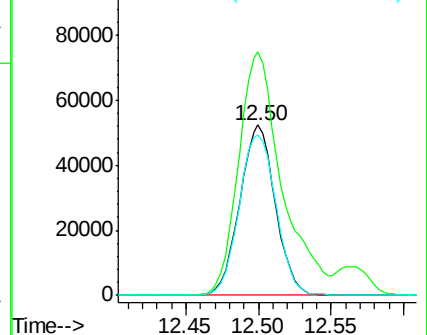
158 98.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.602 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061717.D

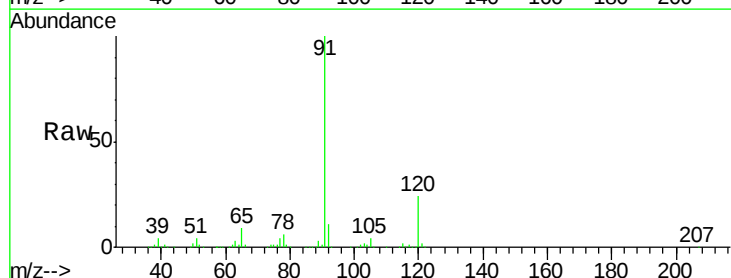
Acq: 9 Jun 2020 11:32

Tgt Ion: 91 Resp: 377834

Ion Ratio Lower Upper

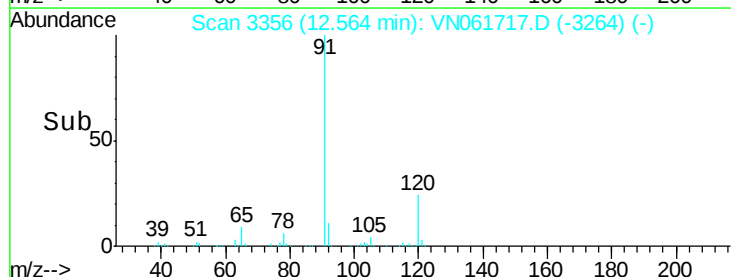
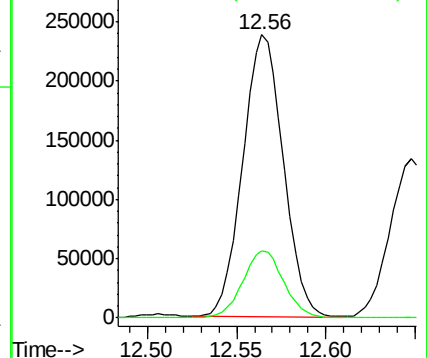
91 100

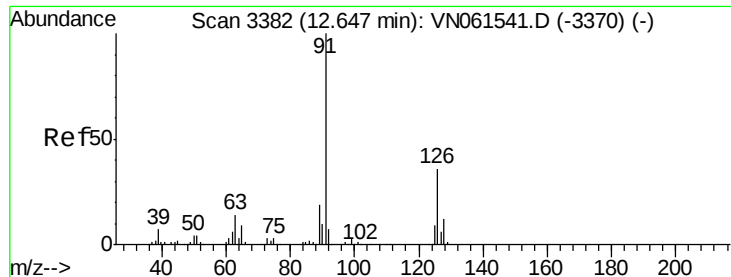
120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.311 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

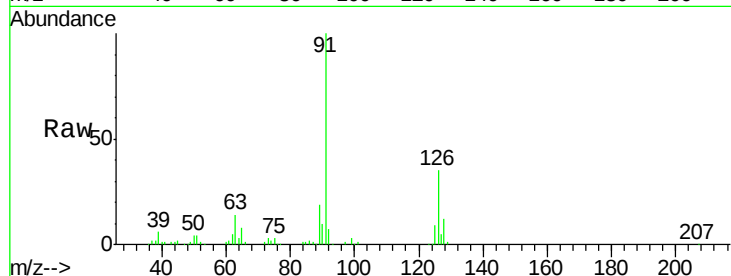
VN0609WBS01

Tot Ion: 91 Resp: 221768

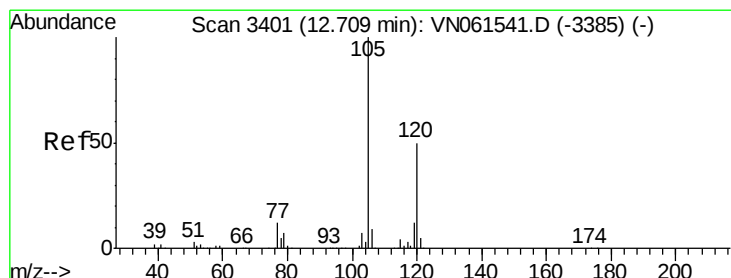
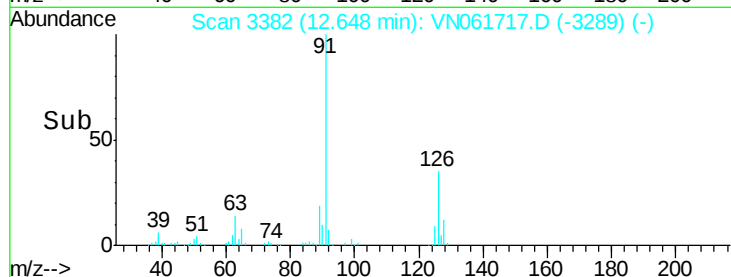
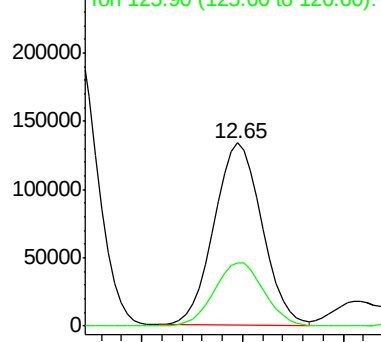
Ion Ratio Lower Upper

91 100

126 36.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061717.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.632 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061717.D

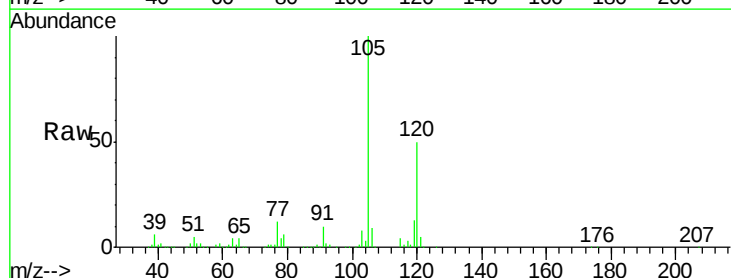
Acq: 9 Jun 2020 11:32

Tgt Ion: 105 Resp: 283328

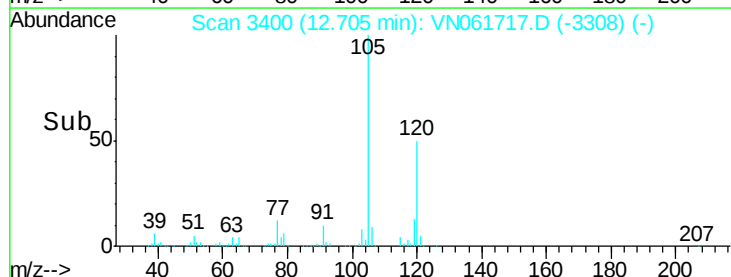
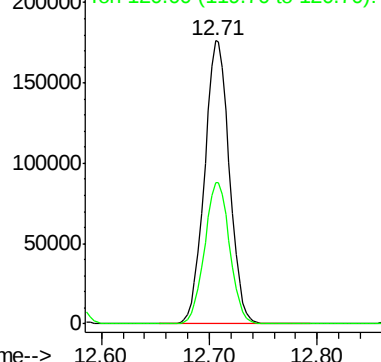
Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061717.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.314 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0609WBS01

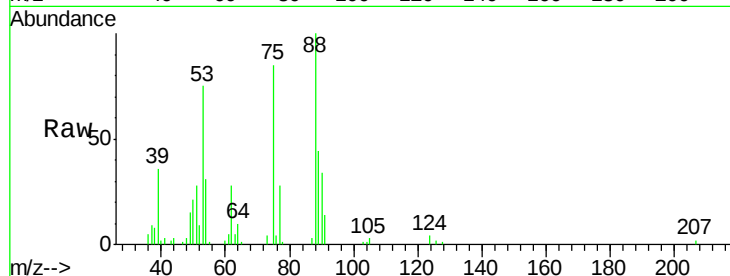
Tot Ion: 75 Resp: 27144

Ion Ratio Lower Upper

75 100

53 92.2 67.8 101.8

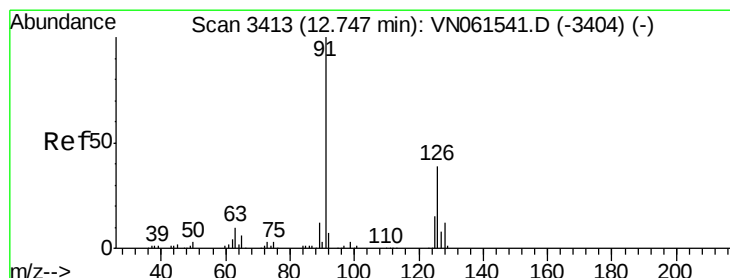
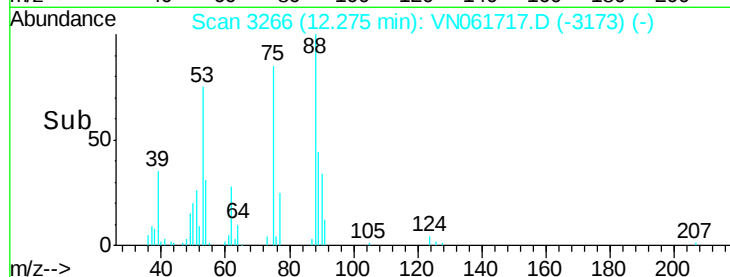
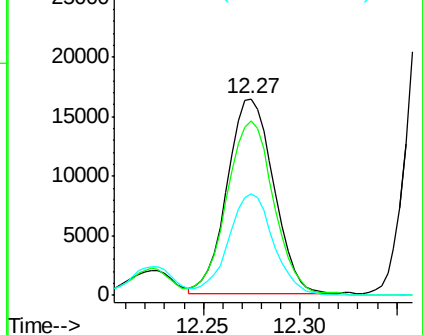
89 51.3 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 17.973 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061717.D

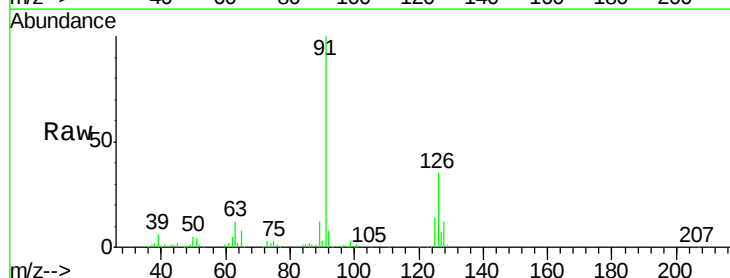
Acq: 9 Jun 2020 11:32

Tgt Ion: 91 Resp: 228993

Ion Ratio Lower Upper

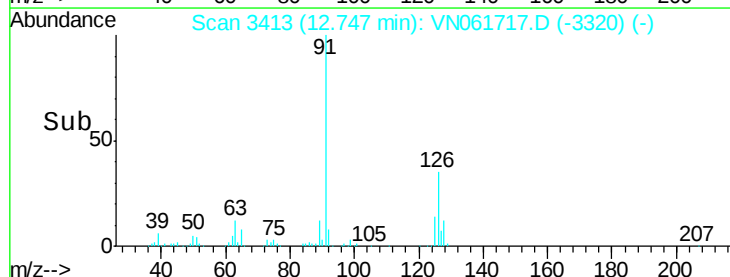
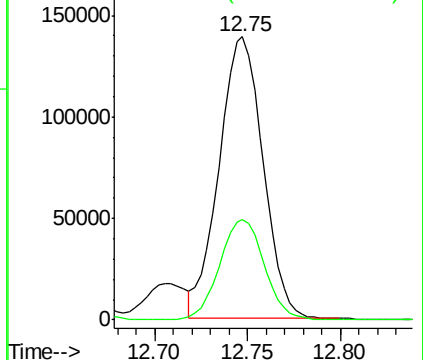
91 100

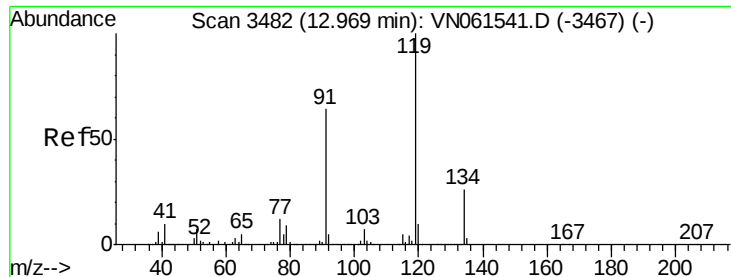
126 36.2 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

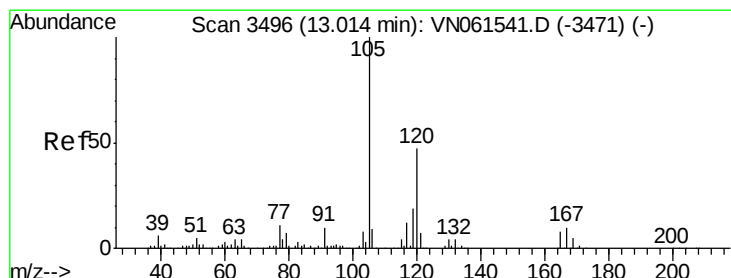
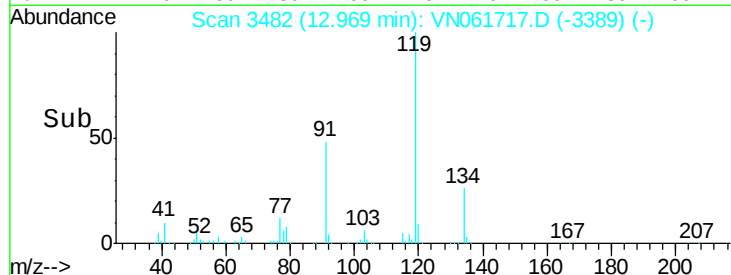
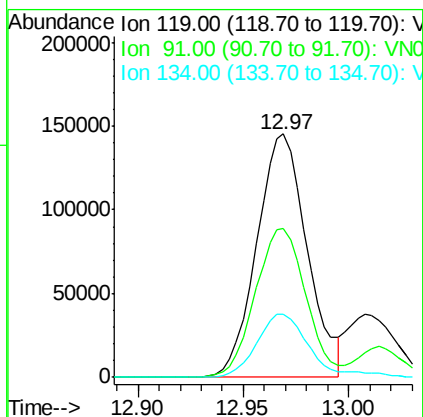
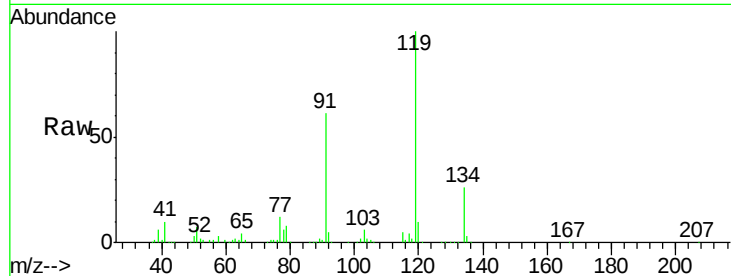




#83
 tert-Butylbenzene
 Concen: 17.984 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

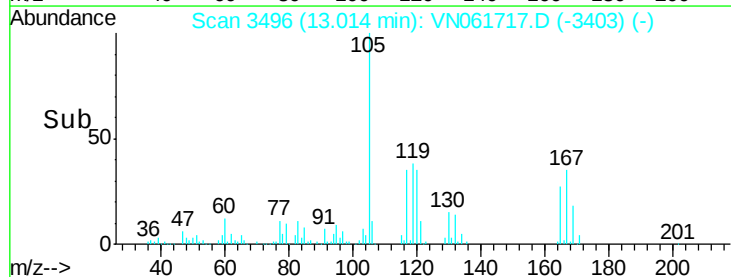
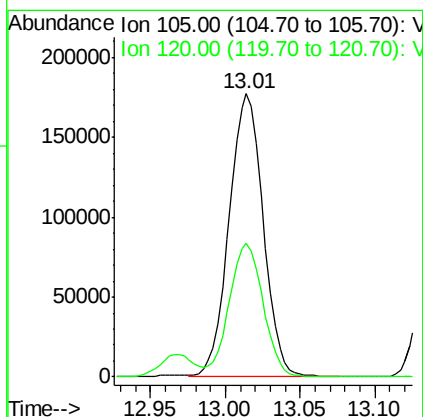
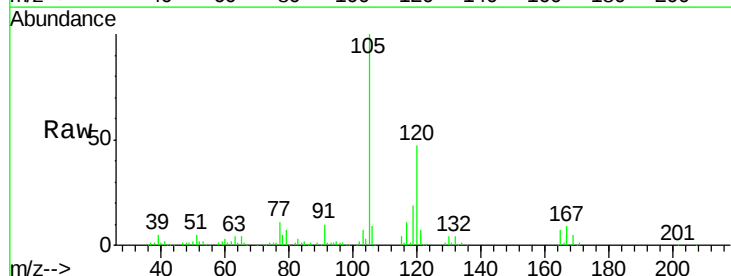
Instrument :
 MSVOA_N
 ClientSampled :
 VN0609WBS01

Tot Ion:119 Resp: 241624
 Ion Ratio Lower Upper
 119 100
 91 61.0 31.3 93.8
 134 27.3 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 18.545 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion:105 Resp: 280154
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.2 69.5





#85

sec-Butylbenzene

Concen: 18.016 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

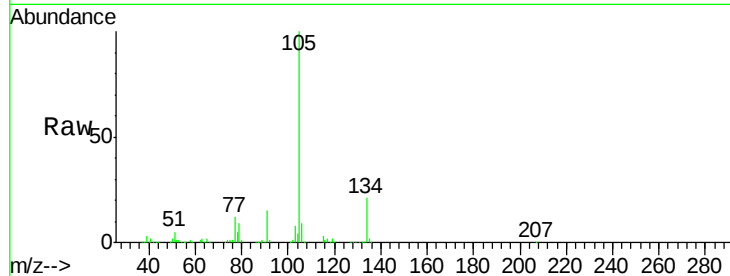
VN0609WBS01

Tot Ion:105 Resp: 311910

Ion Ratio Lower Upper

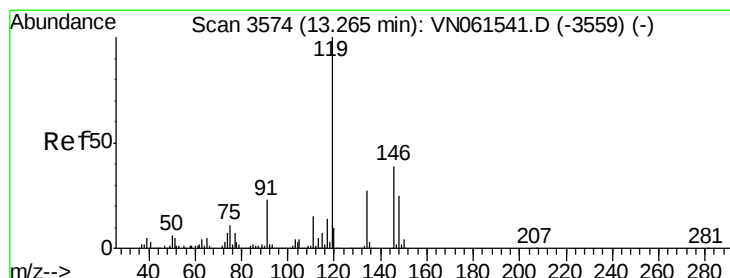
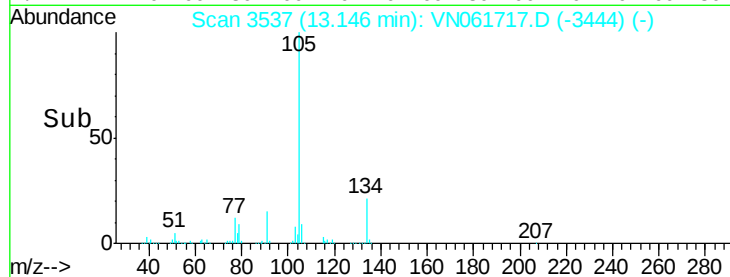
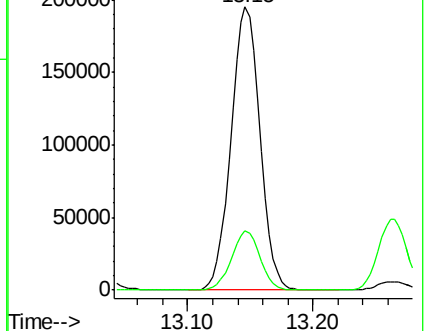
105 100

134 20.6 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.106 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

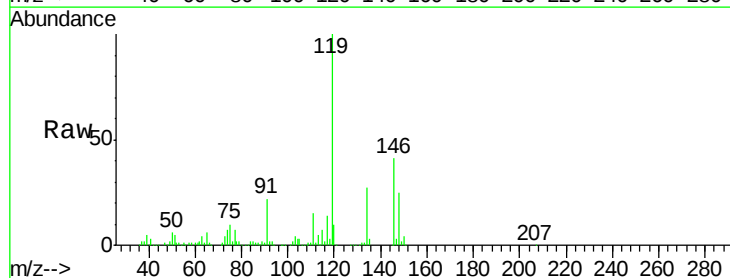
Tgt Ion:119 Resp: 288688

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

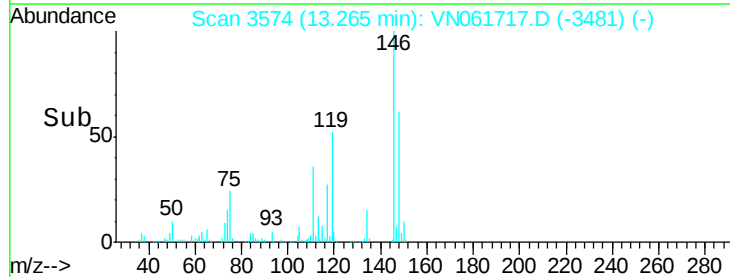
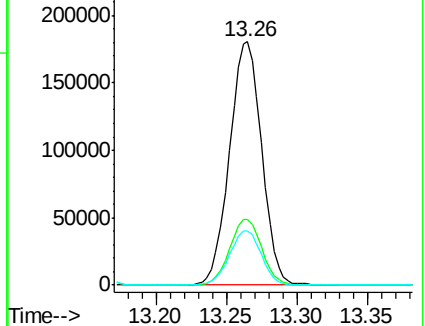
91 22.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

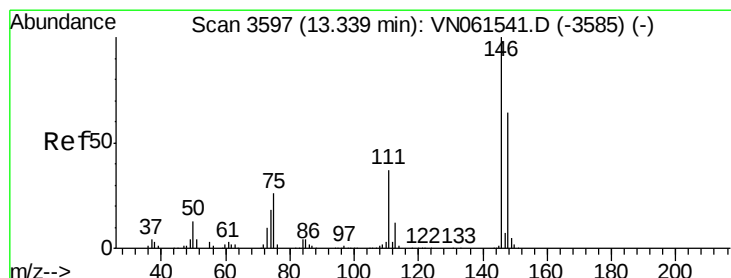
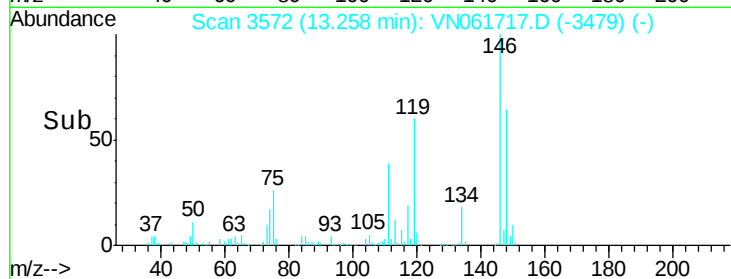
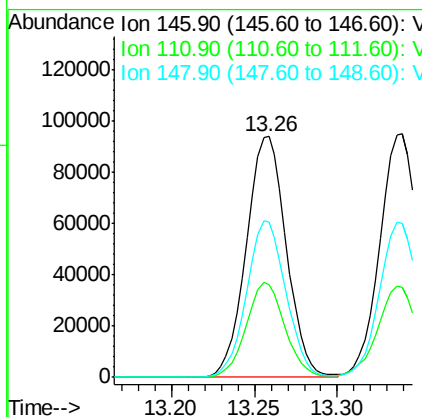
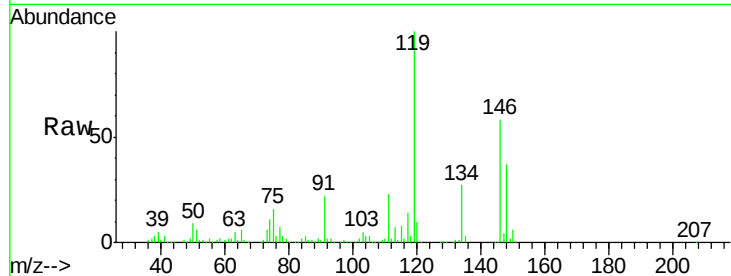




#87
 1,3-Dichlorobenzene
 Concen: 19.186 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

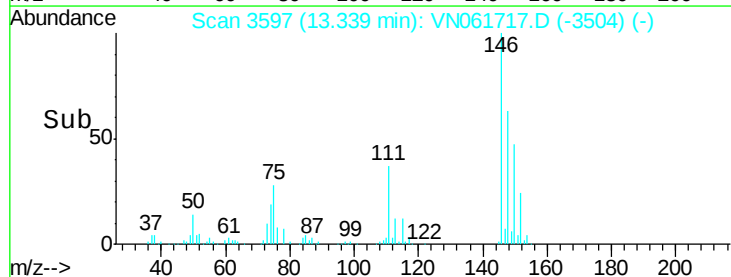
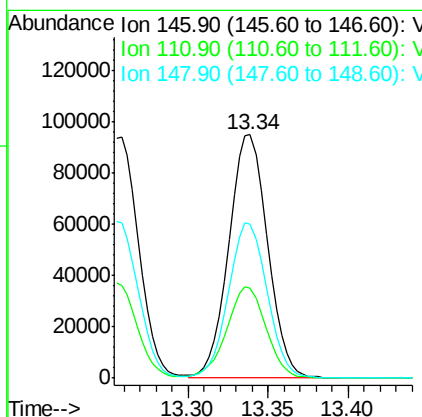
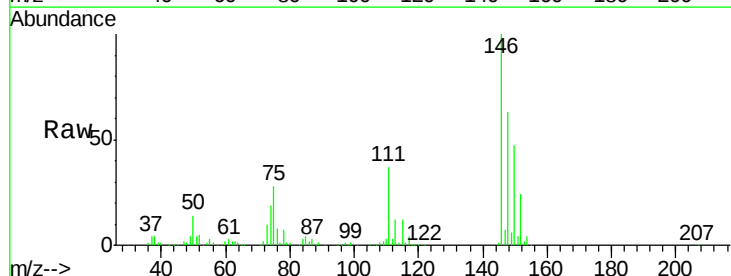
Instrument :
 MSVOA_N
 ClientSampled :
 VN0609WBS01

Tot Ion:146 Resp: 157779
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.2 57.6
 148 63.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 18.674 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion:146 Resp: 156447
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.9 56.9
 148 64.1 31.8 95.3





#89

n-Butylbenzene

Concen: 17.047 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0609WBS01

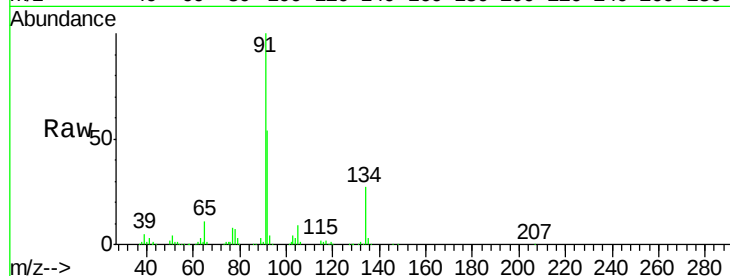
Tot Ion: 91 Resp: 227652

Ion Ratio Lower Upper

91 100

92 53.3 27.2 81.6

134 27.2 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061717.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061717.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061717.D (-3582) (-)

13.59

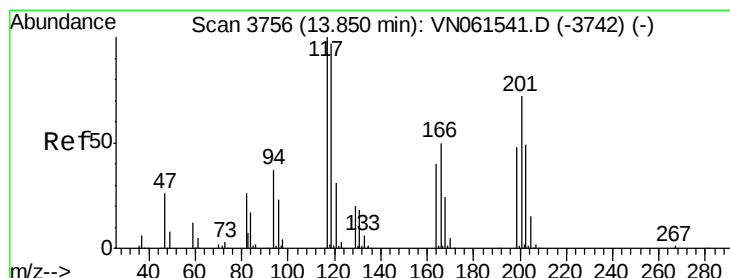
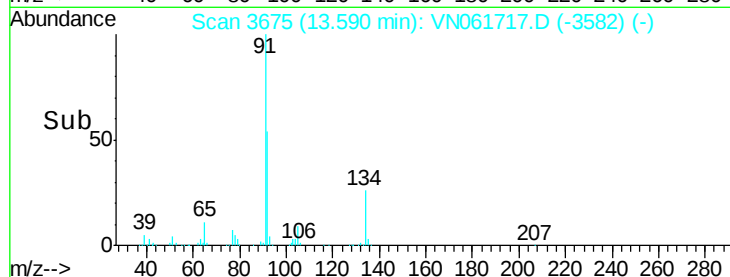
150000

100000

50000

0

Time--> 13.50 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 22.218 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061717.D

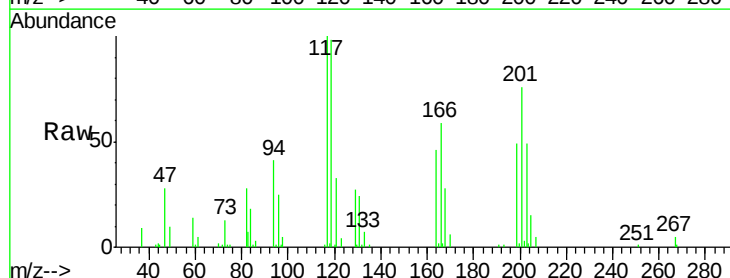
Acq: 9 Jun 2020 11:32

Tgt Ion: 117 Resp: 39176

Ion Ratio Lower Upper

117 100

201 79.0 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061717.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061717.D (-3663) (-)

13.85

25000

20000

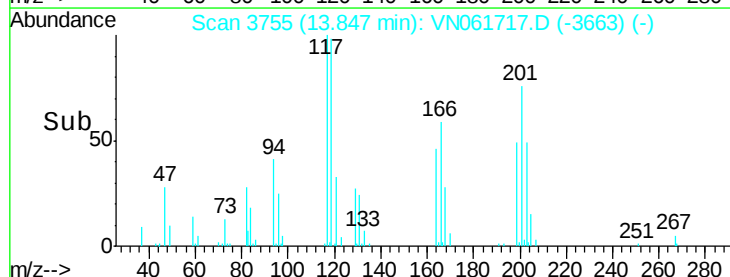
15000

10000

5000

0

Time--> 13.80 13.85 13.90

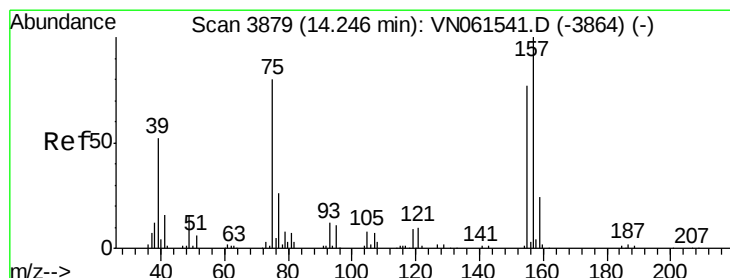
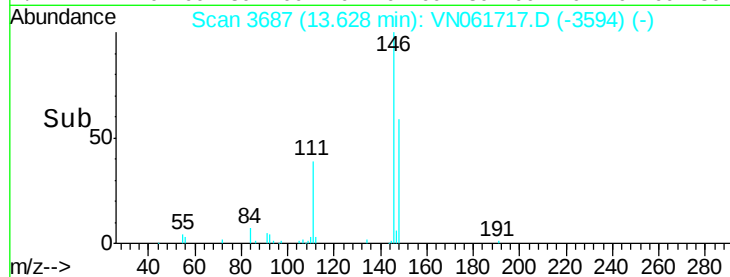
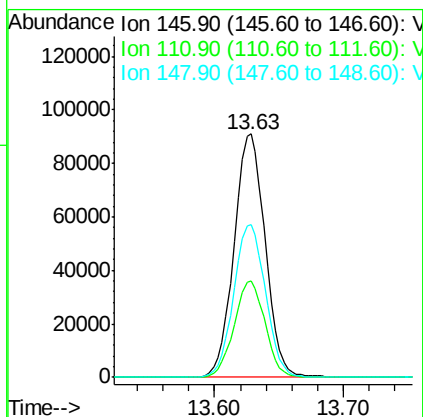
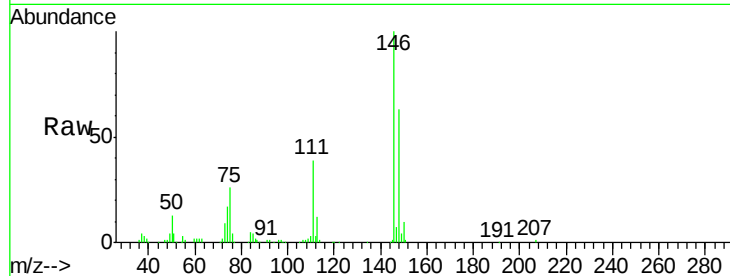




#91
 1,2-Dichlorobenzene
 Concen: 19.456 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

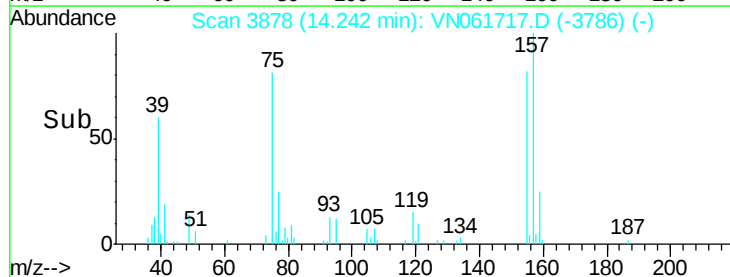
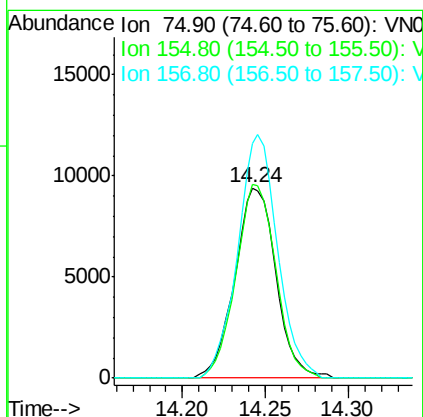
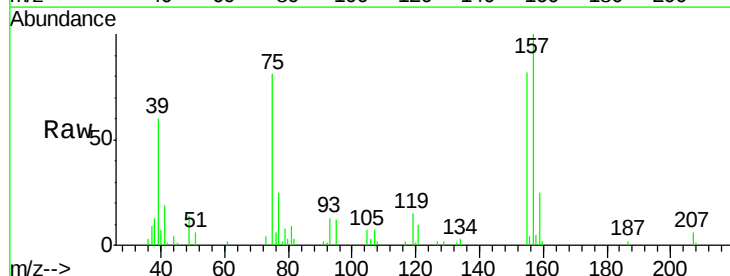
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

Tot Ion:146 Resp: 152908
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.1 60.2
 148 63.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.657 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion: 75 Resp: 16280
 Ion Ratio Lower Upper
 75 100
 155 98.6 47.1 141.4
 157 123.7 60.3 180.8

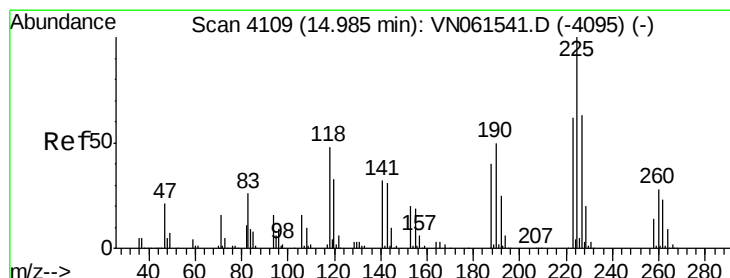
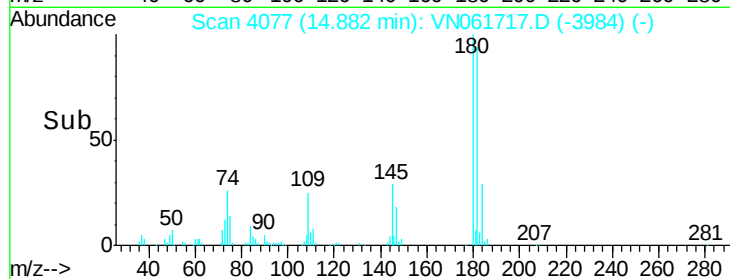
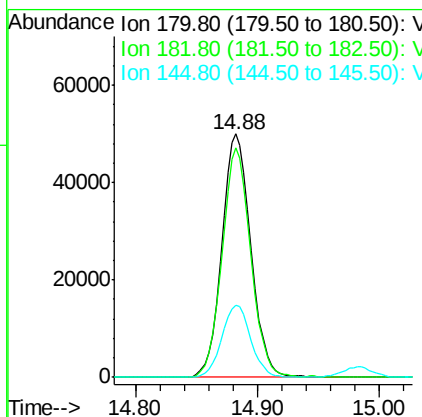
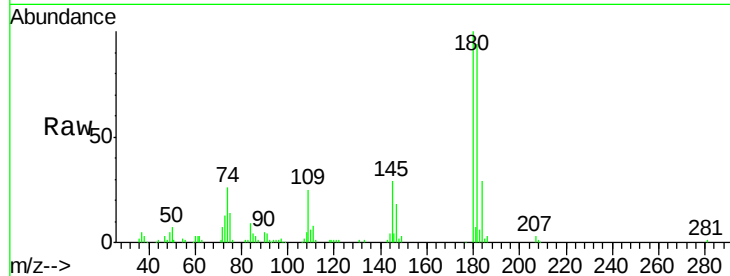




#93
 1,2,4-Trichlorobenzene
 Concen: 18.093 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

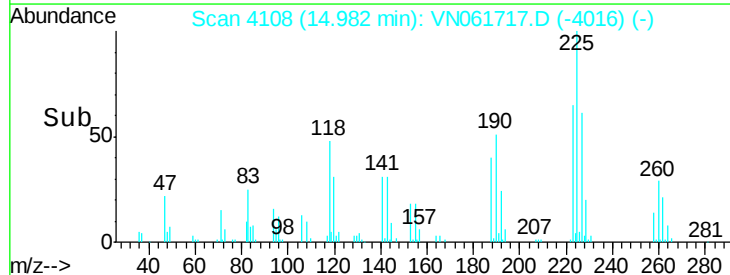
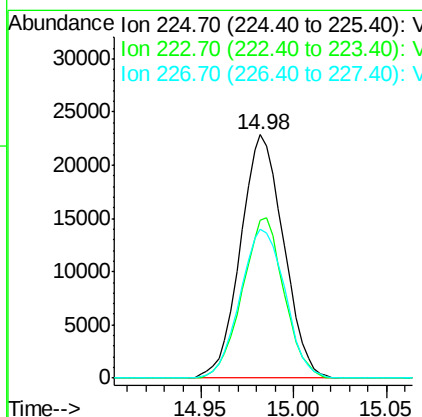
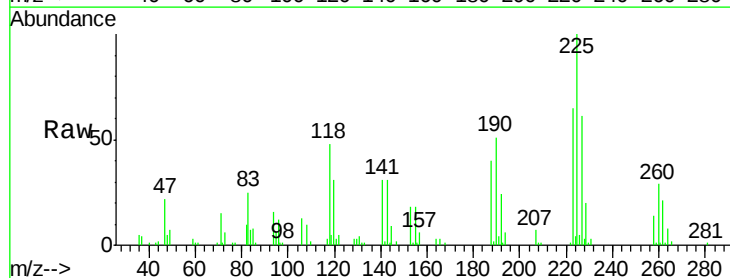
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609WBS01

Tot Ion:180 Resp: 83162
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.8 143.3
 145 29.7 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 18.781 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061717.D
 Acq: 9 Jun 2020 11:32

Tgt Ion:225 Resp: 36817
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.5
 227 63.6 31.9 95.9





#95

Naphthalene

Concen: 16.248 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0609WBS01

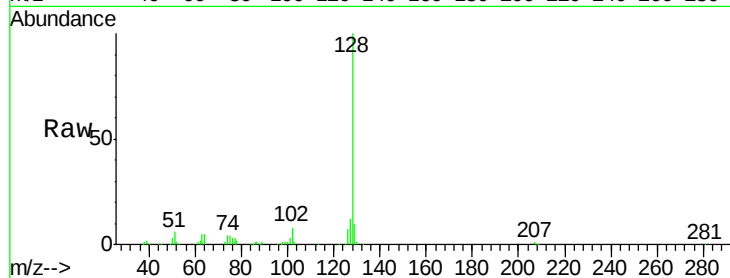
Tot Ion:128 Resp: 227316

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

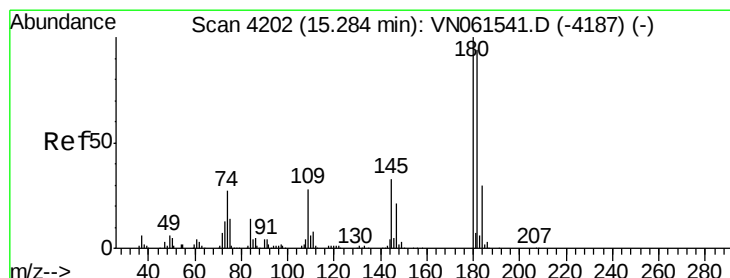
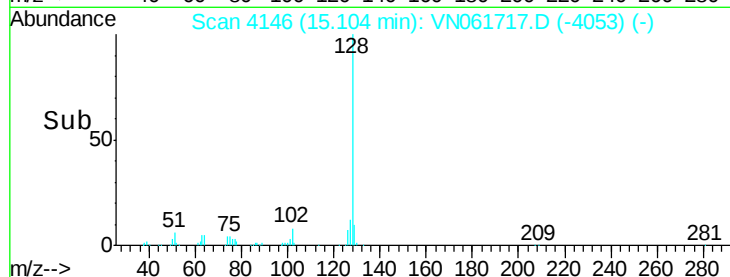
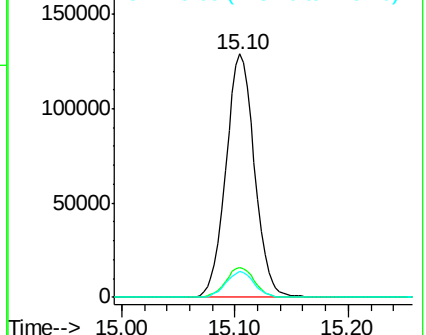
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.933 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061717.D

Acq: 9 Jun 2020 11:32

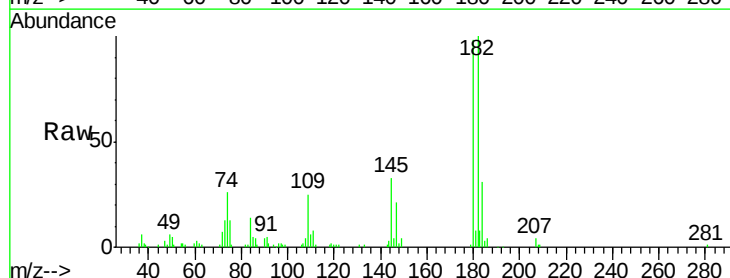
Tgt Ion:180 Resp: 81044

Ion Ratio Lower Upper

180 100

182 95.3 47.1 141.3

145 33.2 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

