

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN071320\
 Data File : VN062511.D
 Acq On : 13 Jul 2020 11:12
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Jul 13 11:34:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 13 10:35:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41688	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	235467	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	219580	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	104719	37.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	124.43%
60) 4-Bromofluorobenzene	12.38	95	117729	35.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	117.77%
63) Toluene-d8	10.06	98	308193	32.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.57%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	382816	203.344	ug/l	99
3) Chloromethane	2.04	50	557663	237.523	ug/l	99
4) Vinyl Chloride	2.16	62	471628	160.877	ug/l	97
5) Bromomethane	2.51	94	219160	121.847	ug/l	94
6) Chloroethane	2.66	64	232635	120.276	ug/l	99
7) Trichlorofluoromethane	2.98	101	513979	127.058	ug/l	99
8) Diethyl Ether	3.37	74	264195	187.013	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	353739	160.324	ug/l	100
10) 1,1-Dichloroethene	3.69	96	362505	165.647	ug/l	98
11) Methyl Iodide	3.91	142	511634	176.754	ug/l	98
12) Methyl Acetate	4.27	43	488346	243.831	ug/l	99
13) Acrolein	3.56	56	409518	1445.561	ug/l	98
14) Acrylonitrile	4.93	53	1161884	1159.767	ug/l	99
15) Acetone	3.77	58	309280	976.214	ug/l	99
16) Carbon Disulfide	4.01	76	1197324	243.281	ug/l	100
17) Allyl chloride	4.27	41	822197	275.204	ug/l	99
18) Methylene Chloride	4.50	84	440893	171.843	ug/l	98
19) trans-1,2-Dichloroethene	4.99	96	396210	163.149	ug/l	97
20) Diisopropyl ether	5.90	45	1571780	231.433	ug/l	95
21) 1,1-Dichloroethane	5.80	63	841327	199.863	ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	458332	161.020	ug/l	100
23) tert-Butyl Alcohol	4.74	59	384964	1021.213	ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	1348740	185.803	ug/l	99
25) Chloroform	7.33	83	764195	168.258	ug/l	97
26) Cyclohexane	7.61	56	758215	227.745	ug/l #	98
29) 1,1-Dichloropropene	7.75	75	623334	185.526	ug/l	99
30) 2-Butanone	6.79	43	1581986	1175.766	ug/l	98
31) 2,2-Dichloropropane	6.77	77	679238	172.832	ug/l #	72
32) 1,1,1-Trichloroethane	7.53	97	656627	158.062	ug/l	99
33) Carbon Tetrachloride	7.73	117	573604	166.785	ug/l	100
34) Benzene	8.00	78	1821244	175.070	ug/l #	90
35) Methacrylonitrile	7.13	41	313204	263.355	ug/l	96
36) 1,2-Dichloroethane	8.09	62	647689	187.382	ug/l	100
37) Trichloroethene	8.80	130	414764	136.346	ug/l	99
38) Methylcyclohexane	9.05	83	705668	188.229	ug/l	99
39) 1,2-Dichloropropane	9.08	63	520418	199.224	ug/l	98
40) Dibromomethane	9.18	93	299798	162.956	ug/l	99

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 Misc : 5.00mL/MSVOA_N/WATER
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 ClientSampleId :
 VSTDICC150

Quant Time: Jul 13 11:34:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	644576	171.189	ug/l	99
42) Vinyl Acetate	5.84	43	6594673	1205.664	ug/l	99
43) Ethyl Acetate	6.88	43	653846	241.279	ug/l	95
45) 1,4-Dioxane	9.17	88	149614	3387.241	ug/l	99
46) Methyl methacrylate	9.17	41	546721	257.639	ug/l	98
47) n-amyl Acetate	12.04	43	1025966	256.175	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	772910	191.692	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	822936	187.689	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	421948	158.190	ug/l	99
51) Ethyl methacrylate	10.40	69	748927	203.994	ug/l	97
52) 1,3-Dichloropropane	10.68	76	784193	179.279	ug/l	100
53) Dibromochloromethane	10.87	129	471791	152.666	ug/l	99
54) 1,2-Dibromoethane	10.98	107	438963	159.265	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1318120	974.690	ug/l	100
56) Bromoform	12.10	173	333219	154.276	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	3243161	1181.058	ug/l	97
59) 2-Hexanone	10.72	43	2405615	1200.010	ug/l	98
61) Tetrachloroethene	10.60	164	339566	106.841	ug/l	96
62) Toluene	10.12	91	1897795	164.949	ug/l	99
64) Chlorobenzene	11.41	112	1141684	157.726	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	417180	151.355	ug/l	99
66) Ethyl Benzene	11.48	91	2166388	171.577	ug/l	99
67) m/p-Xylenes	11.60	106	1584959	322.533	ug/l	97
68) o-Xylene	11.92	106	764982	164.252	ug/l	97
69) Styrene	11.94	104	1325107	167.225	ug/l	99
70) Isopropylbenzene	12.22	105	2031281	164.296	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	640059	186.053	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	882710	274.860	ug/l	60
73) Bromobenzene	12.50	156	472430	145.587	ug/l	99
74) n-propylbenzene	12.57	91	2472923	176.000	ug/l	99
75) 2-Chlorotoluene	12.65	91	1473549	176.131	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	1763786	171.116	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	251219	212.322	ug/l	94
78) 4-Chlorotoluene	12.75	91	1538141	177.642	ug/l	100
79) tert-butylbenzene	12.97	119	1475921	165.964	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	1764498	170.661	ug/l	99
81) sec-Butylbenzene	13.15	105	1988157	173.002	ug/l	100
82) p-Isopropyltoluene	13.26	119	1768234	167.226	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	846628	147.262	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	843482	149.635	ug/l	99
85) n-Butylbenzene	13.59	91	1596626	183.015	ug/l	98
86) Hexachloroethane	13.85	117	339781	214.971	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	794188	145.460	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	131814	204.673	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	474706	152.346	ug/l	98
90) Hexachlorobutadiene	14.98	225	214610	152.469	ug/l	97
91) Naphthalene	15.10	128	1298537	150.380	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	459922	150.197	ug/l	98

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MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: Jul 13 11:34:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 13 10:35:22 2020
Response via : Initial Calibration

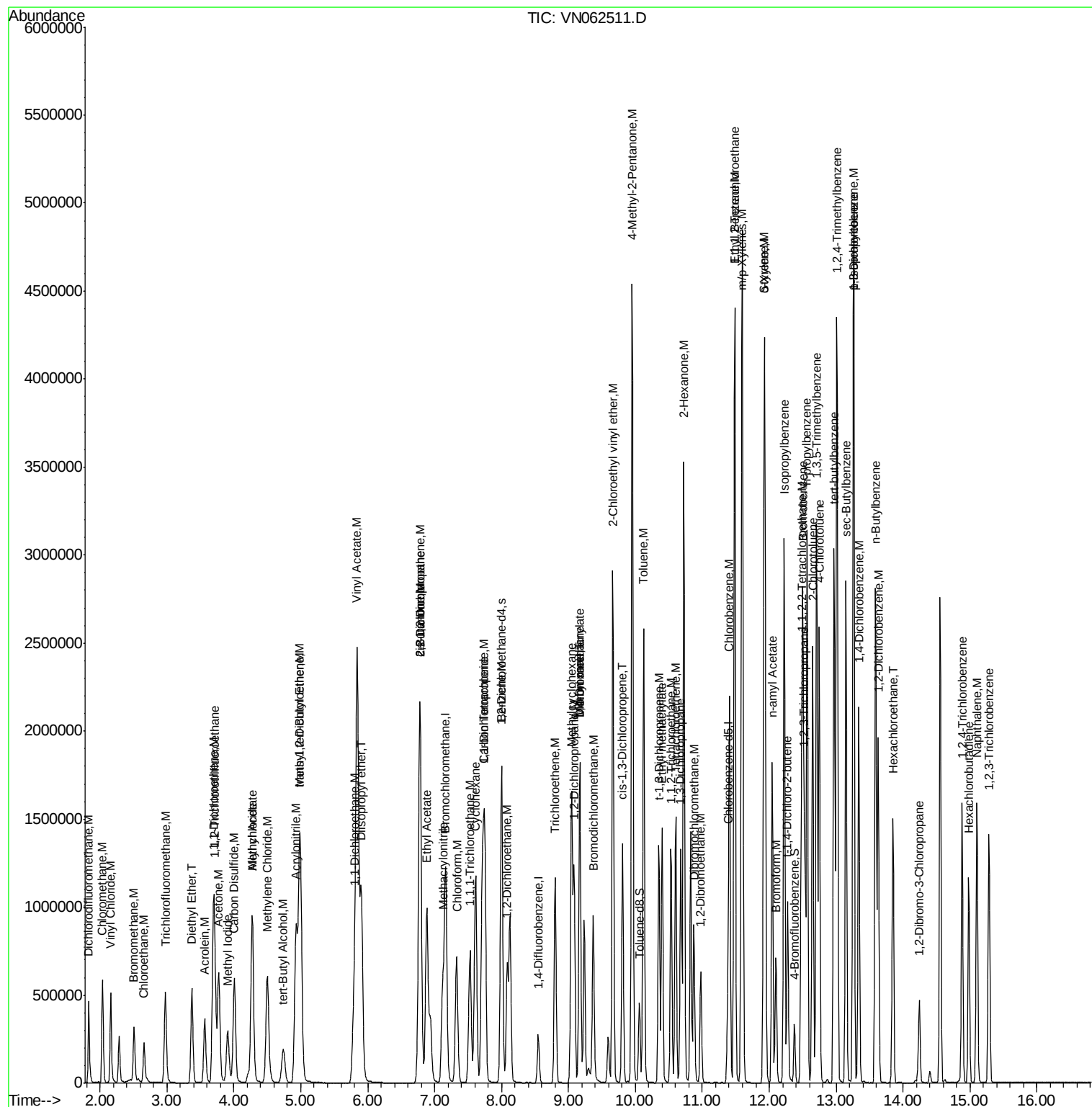
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

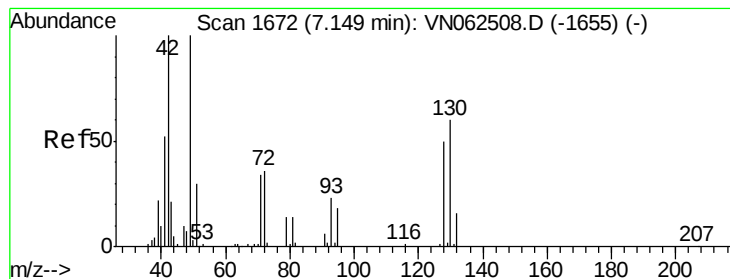
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN071320\
Data File : VN062511.D
Acq On : 13 Jul 2020 11:12
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Quant Time: Jul 13 11:34:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 13 10:35:22 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

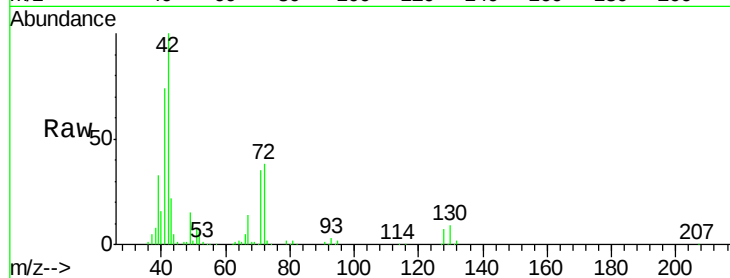
Tgt Ion:128 Resp: 41688

Ion Ratio Lower Upper

128 100

49 220.5 0.0 525.0

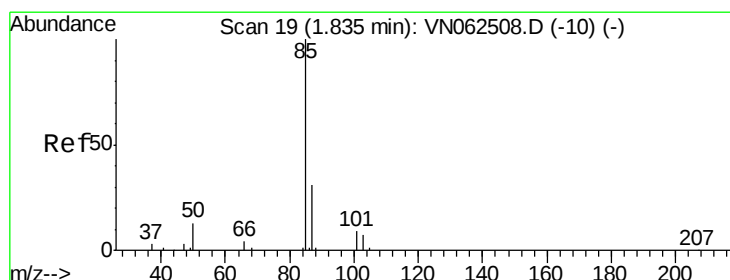
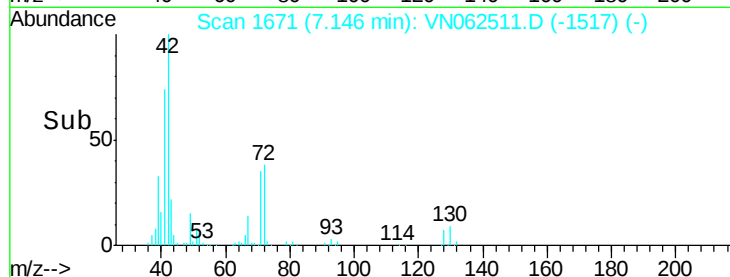
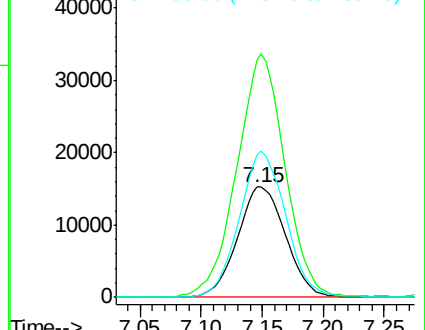
130 127.9 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 203.344 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062511.D

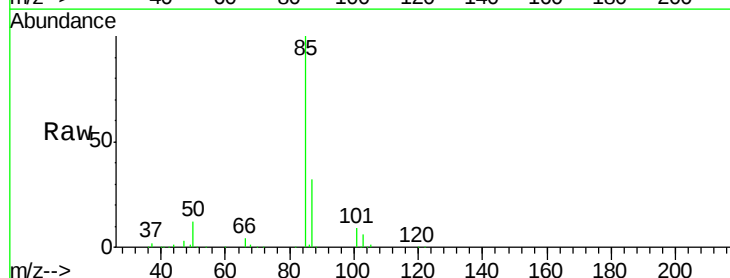
Acq: 13 Jul 2020 11:12

Tgt Ion: 85 Resp: 382816

Ion Ratio Lower Upper

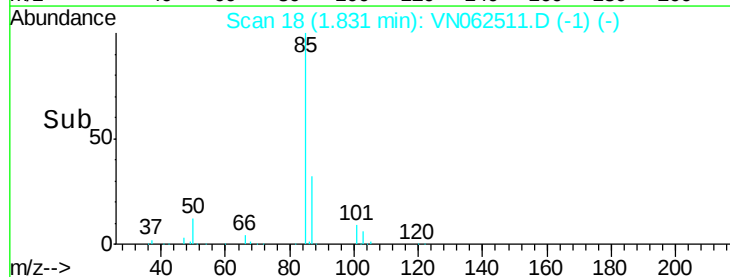
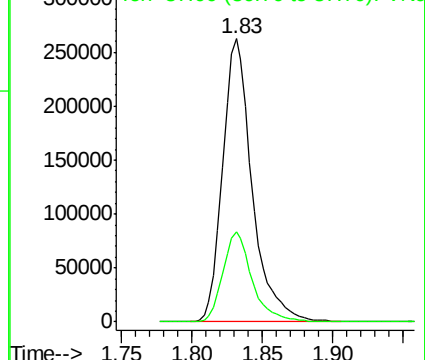
85 100

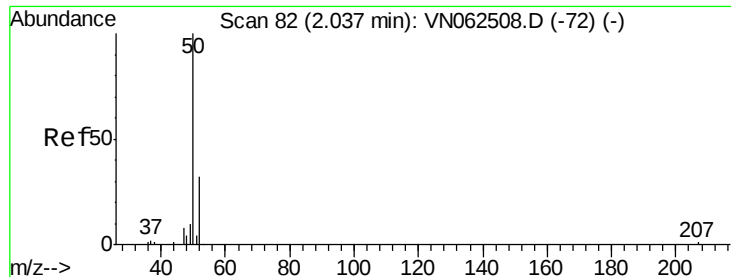
87 31.9 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 237.523 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

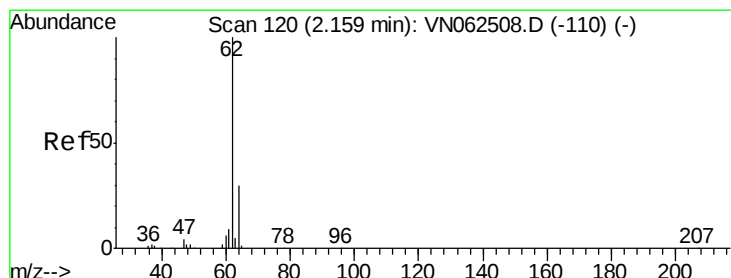
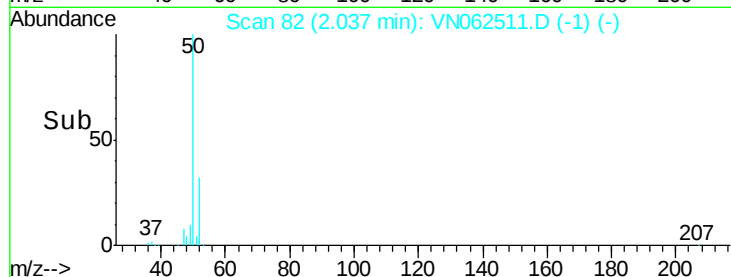
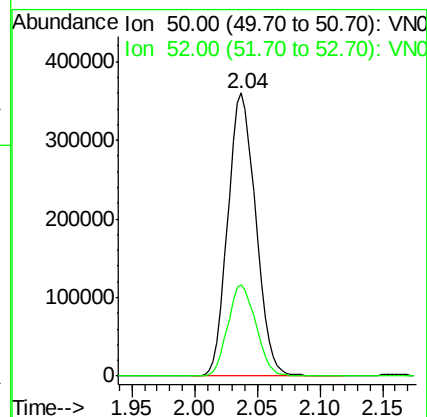
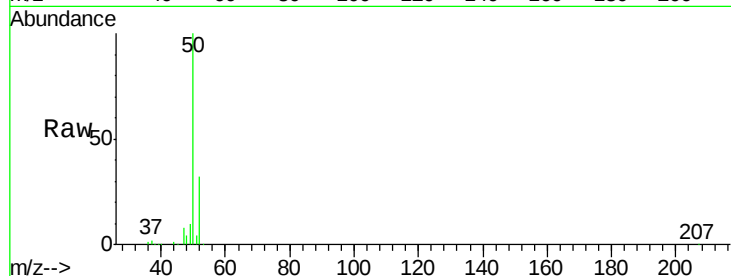
VSTDIC150

Tgt Ion: 50 Resp: 557663

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 160.877 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062511.D

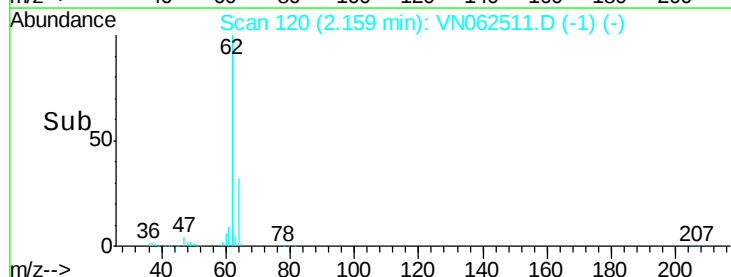
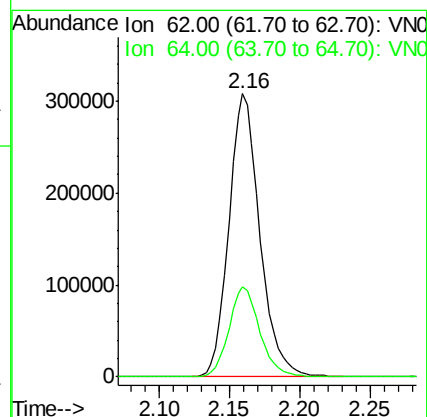
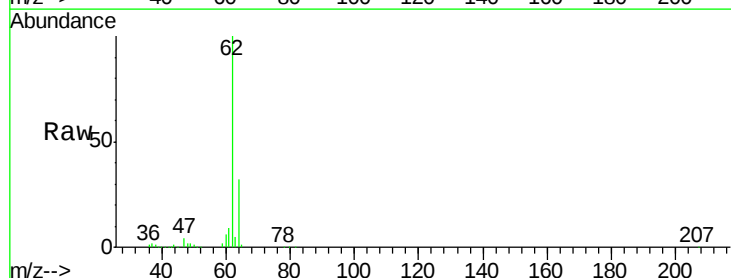
Acq: 13 Jul 2020 11:12

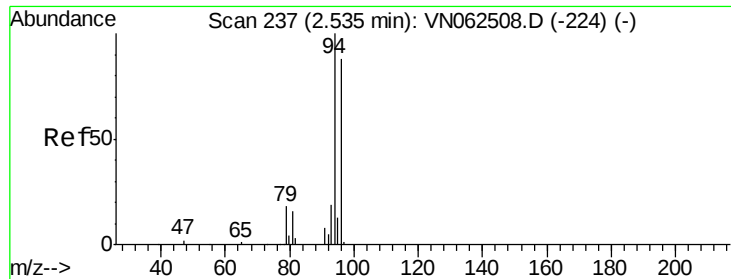
Tgt Ion: 62 Resp: 471628

Ion Ratio Lower Upper

62 100

64 31.9 24.3 36.5





#5

Bromomethane

Concen: 121.847 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.03 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

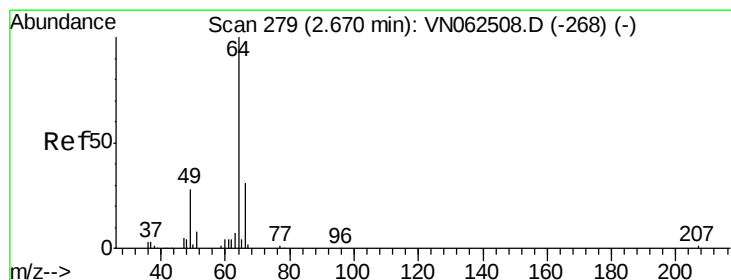
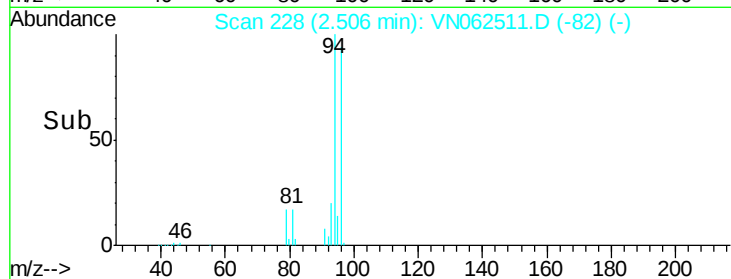
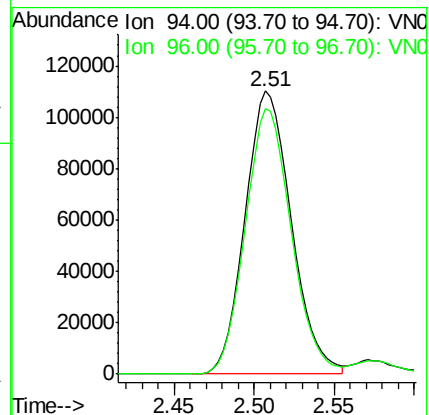
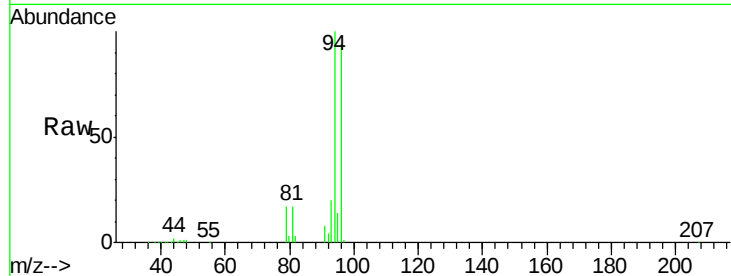
VSTDIC150

Tgt Ion: 94 Resp: 219160

Ion Ratio Lower Upper

94 100

96 93.7 70.2 105.4



#6

Chloroethane

Concen: 120.276 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN062511.D

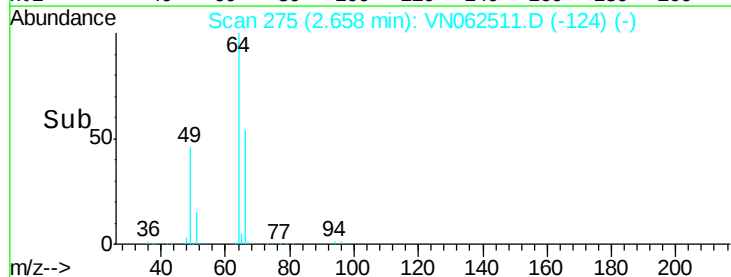
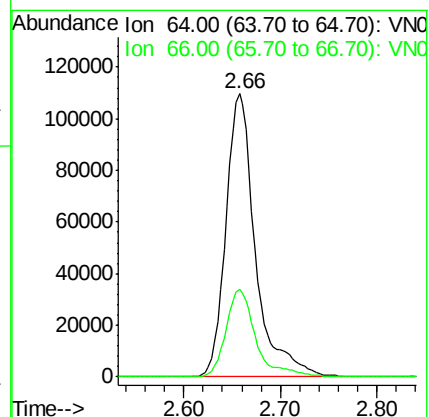
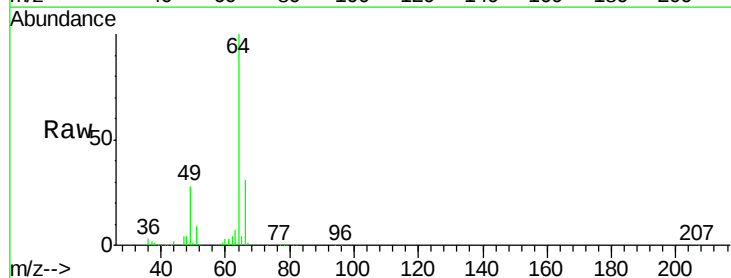
Acq: 13 Jul 2020 11:12

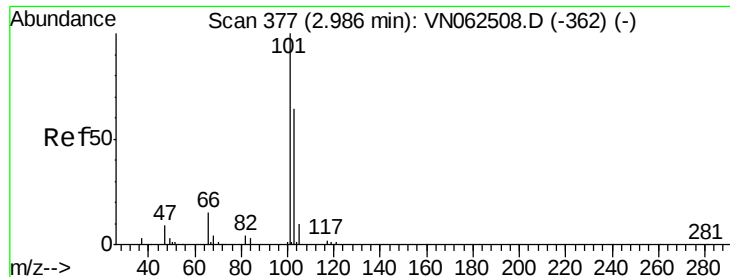
Tgt Ion: 64 Resp: 232635

Ion Ratio Lower Upper

64 100

66 30.7 24.9 37.3



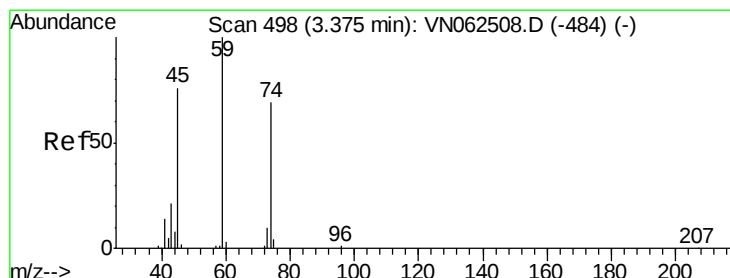
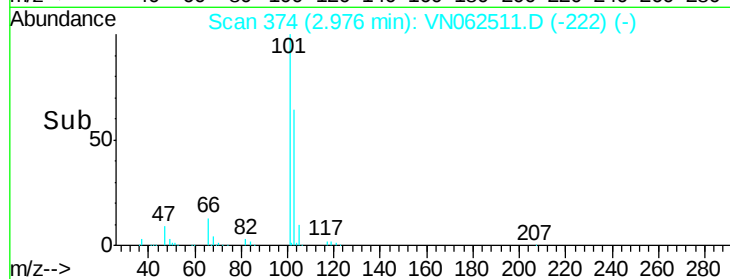
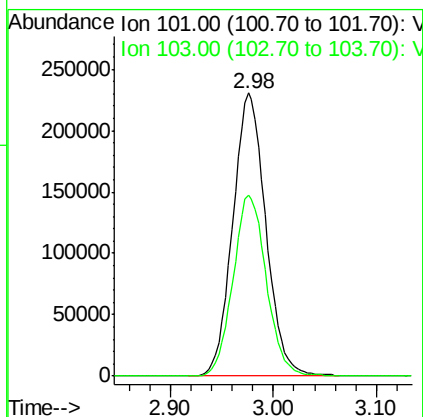
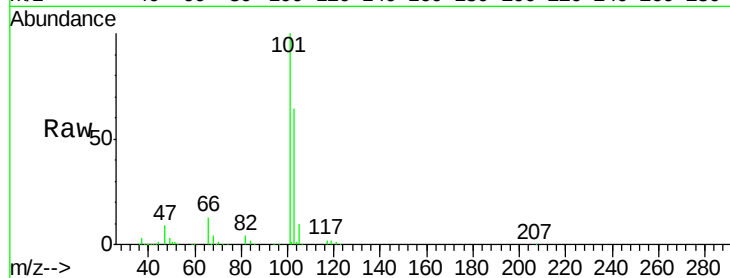


#7

Trichlorofluoromethane
 Concen: 127.058 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

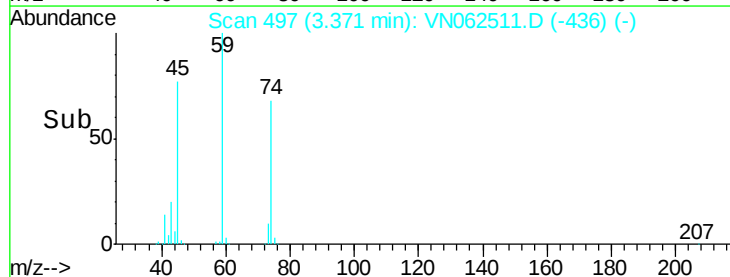
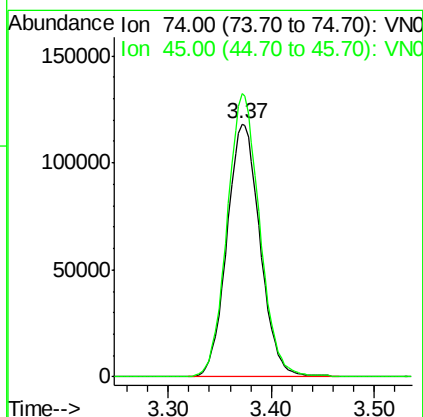
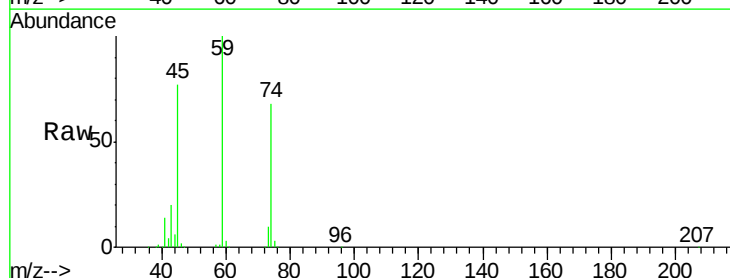
Tgt Ion: 101 Resp: 513979
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.9 76.3

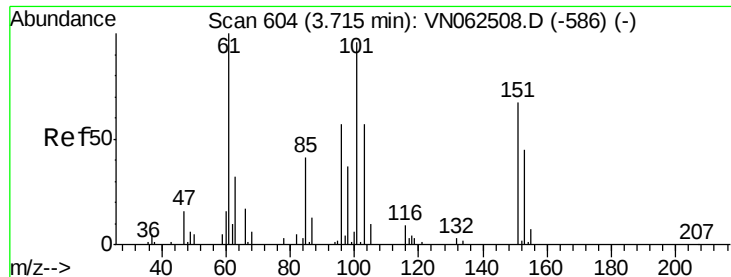


#8

Diethyl Ether
 Concen: 187.013 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 74 Resp: 264195
 Ion Ratio Lower Upper
 74 100
 45 110.5 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 160.324 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

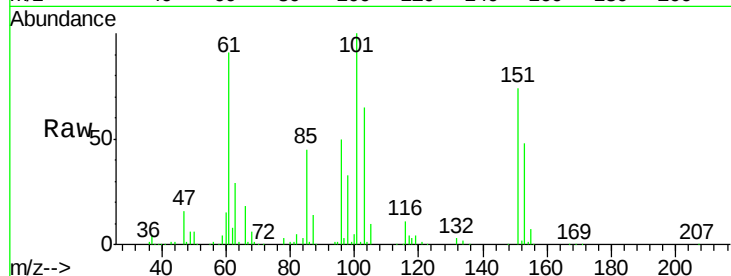
Tgt Ion:101 Resp: 353739

Ion Ratio Lower Upper

101 100

85 45.0 0.0 90.4

151 73.3 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V

150000

100000

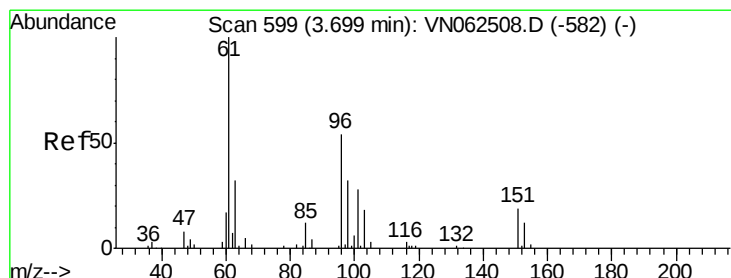
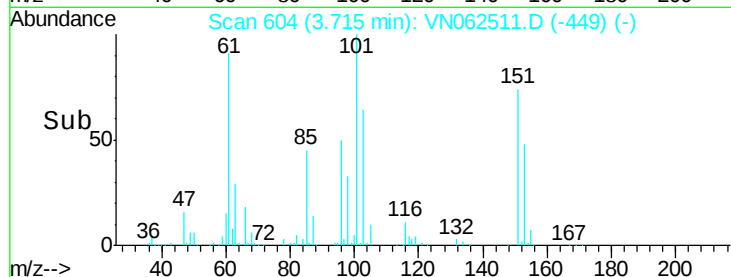
50000

0

3.72

3.60 3.70 3.80

Time-->



#10

1,1-Dichloroethene

Concen: 165.647 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.01 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

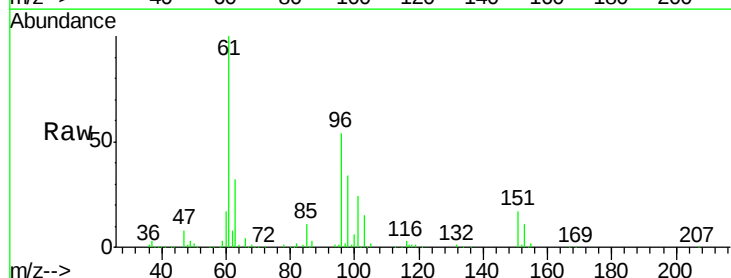
Tgt Ion: 96 Resp: 362505

Ion Ratio Lower Upper

96 100

61 186.6 147.8 221.8

98 64.4 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

300000

200000

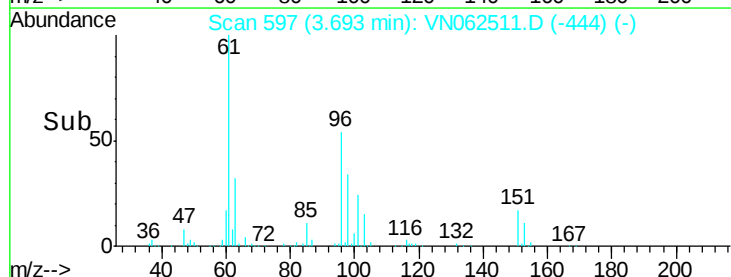
100000

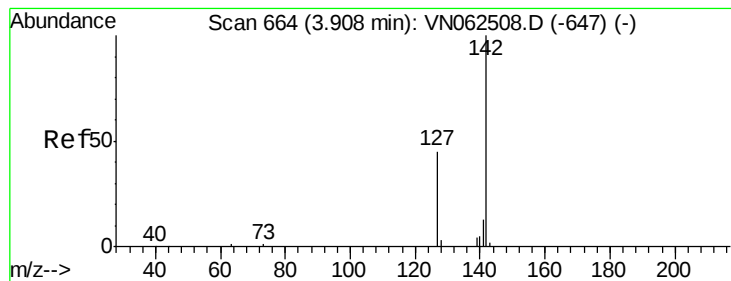
0

3.69

3.60 3.70 3.80

Time-->





#11

Methyl Iodide

Concen: 176.754 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

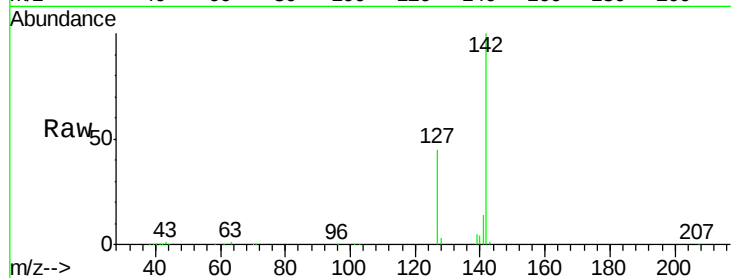
Tgt Ion: 142 Resp: 511634

Ion Ratio Lower Upper

142 100

127 45.1 22.1 66.5

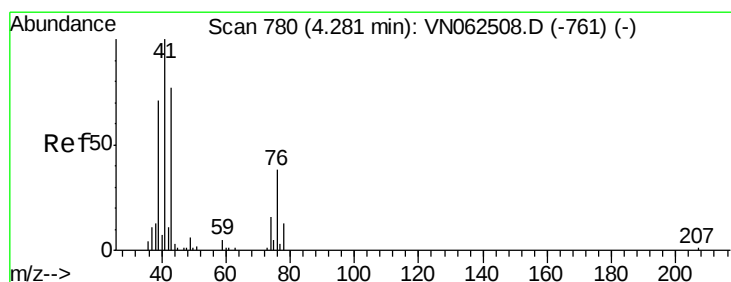
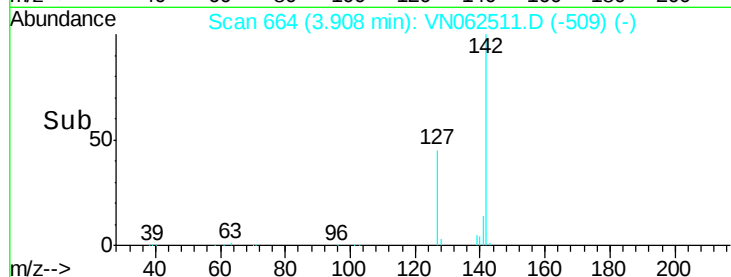
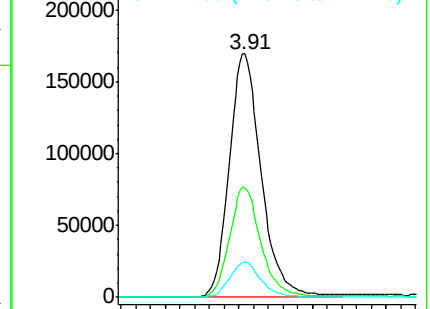
141 14.5 6.5 19.4



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 243.831 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.01 min

Lab File: VN062511.D

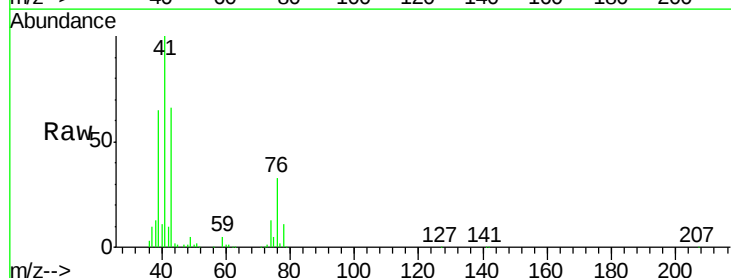
Acq: 13 Jul 2020 11:12

Tgt Ion: 43 Resp: 488346

Ion Ratio Lower Upper

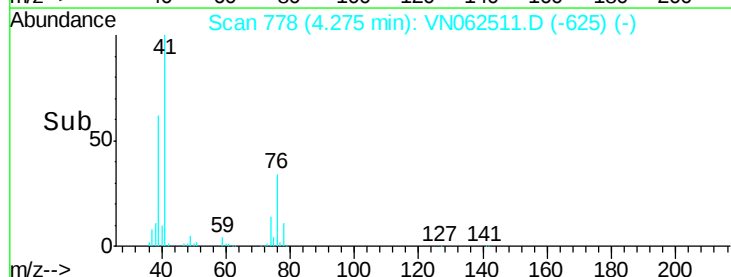
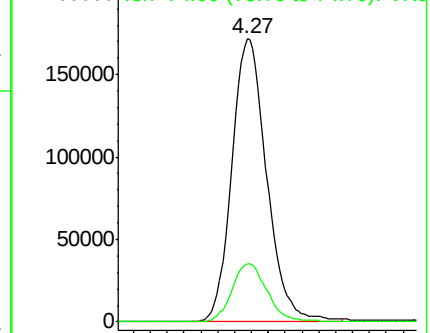
43 100

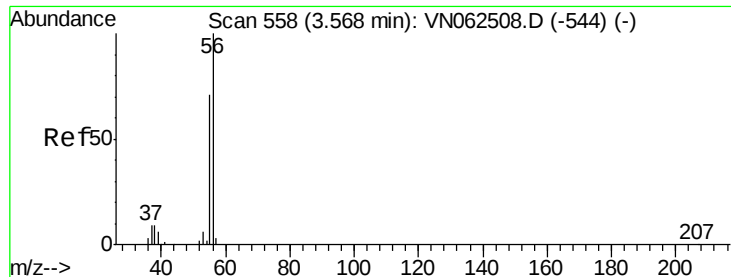
74 20.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 1445.561 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

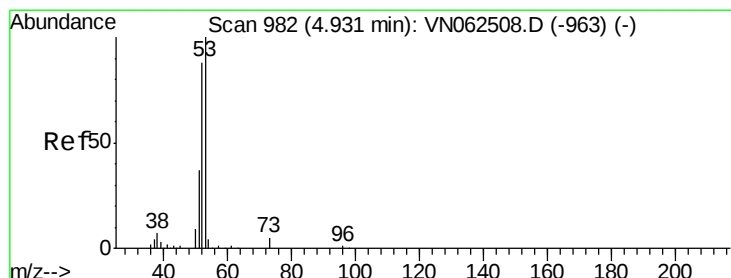
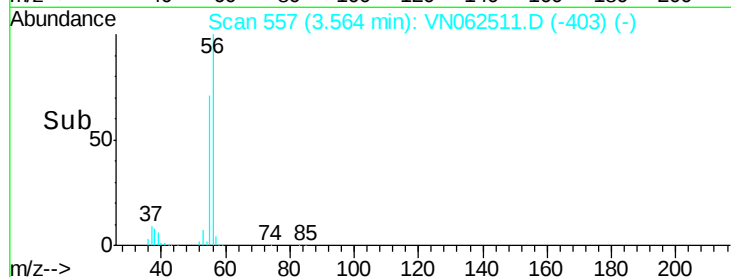
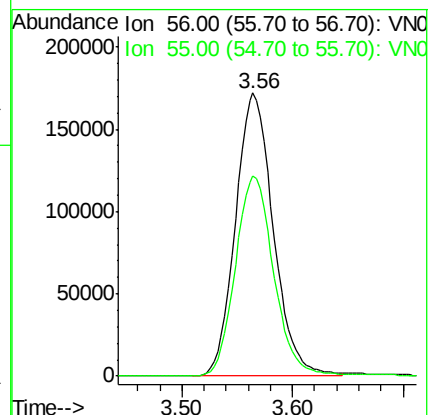
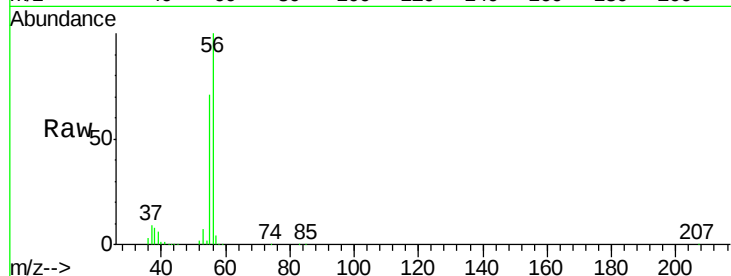
VSTDIC150

Tgt Ion: 56 Resp: 409518

Ion Ratio Lower Upper

56 100

55 71.9 56.0 84.0



#14

Acrylonitrile

Concen: 1159.767 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

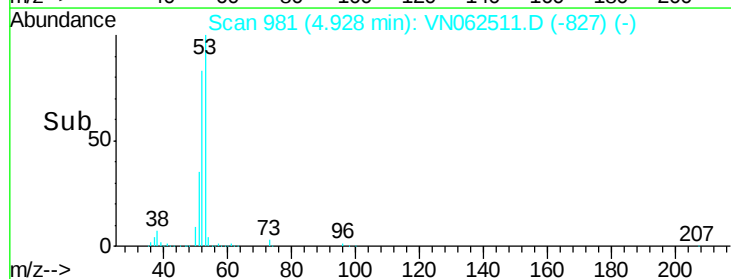
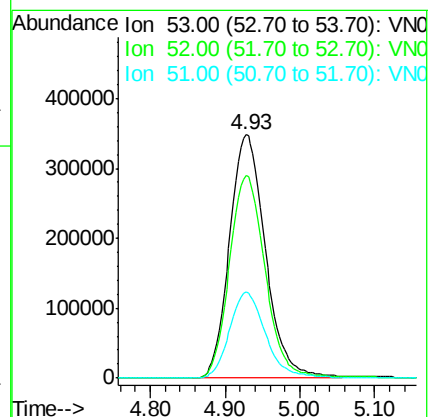
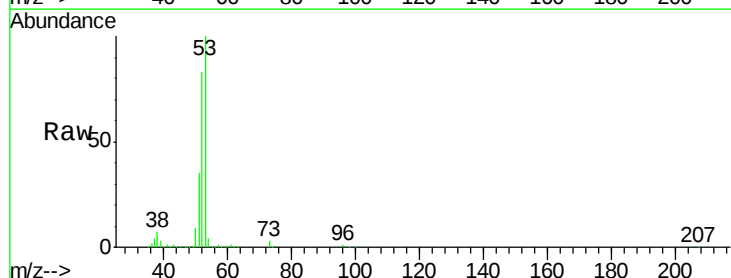
Tgt Ion: 53 Resp: 1161884

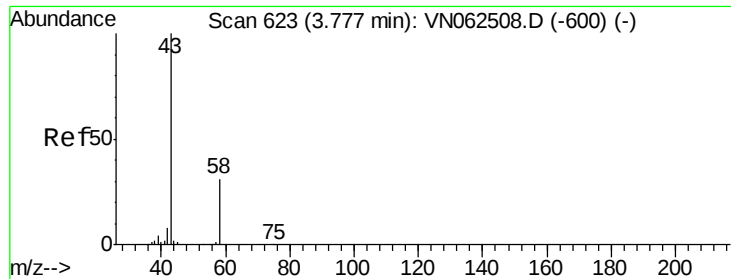
Ion Ratio Lower Upper

53 100

52 82.6 41.8 125.4

51 35.7 18.5 55.5





#15

Acetone

Concen: 976.214 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

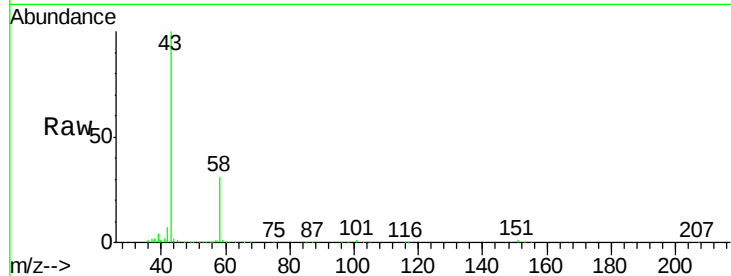
VSTDIC150

Tgt Ion: 58 Resp: 309280

Ion Ratio Lower Upper

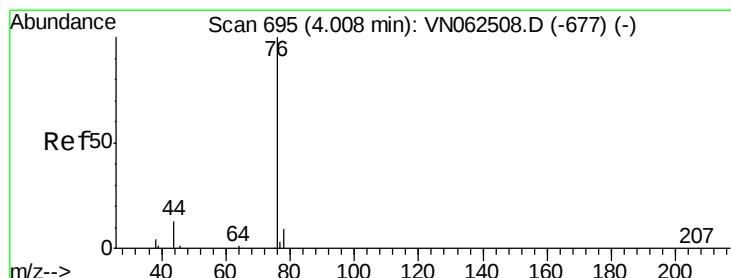
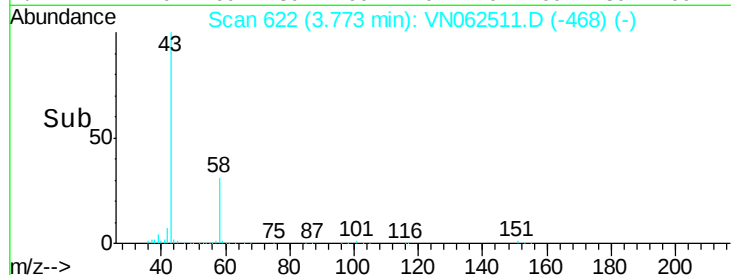
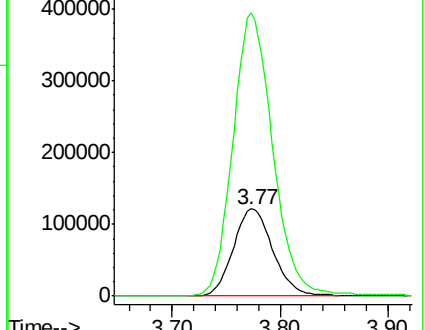
58 100

43 323.9 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN062508.D (-600) (-)

Ion 43.00 (42.70 to 43.70): VN062508.D (-600) (-)



#16

Carbon Disulfide

Concen: 243.281 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062511.D

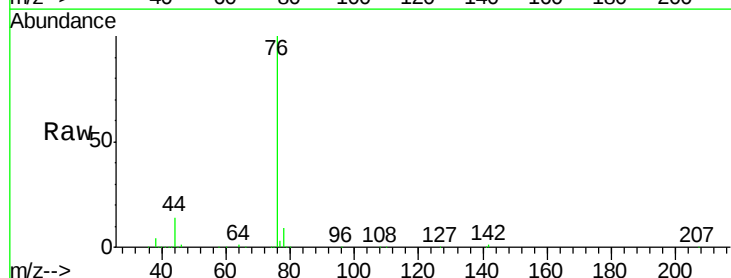
Acq: 13 Jul 2020 11:12

Tgt Ion: 76 Resp: 1197324

Ion Ratio Lower Upper

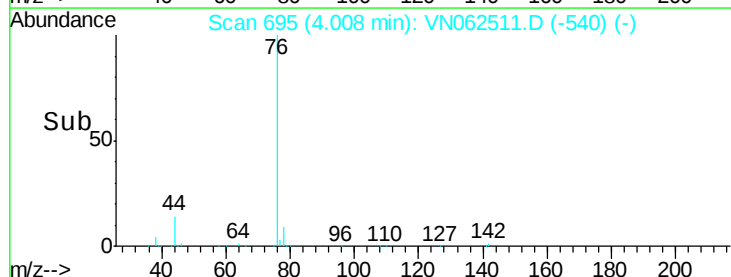
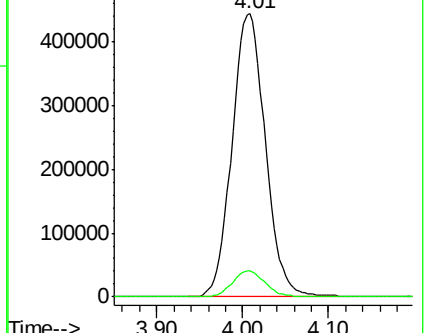
76 100

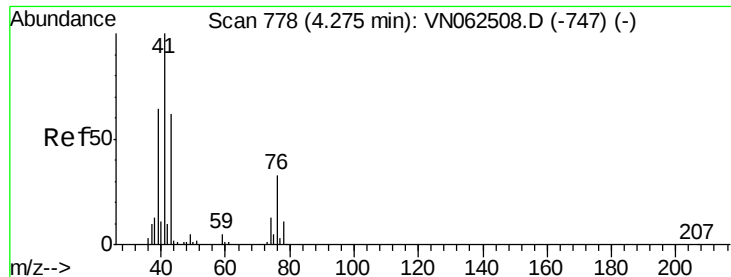
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062508.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062508.D (-677) (-)





#17

Allyl chloride

Concen: 275.204 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

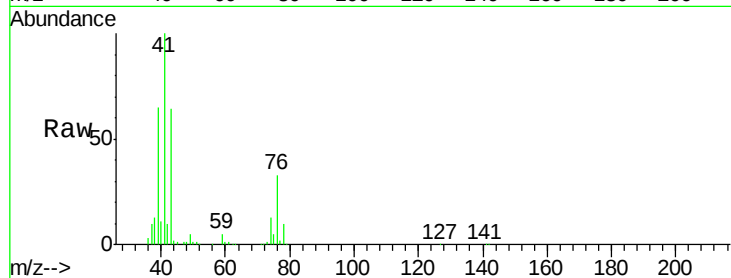
Tgt Ion: 41 Resp: 822197

Ion Ratio Lower Upper

41 100

39 65.1 31.9 95.5

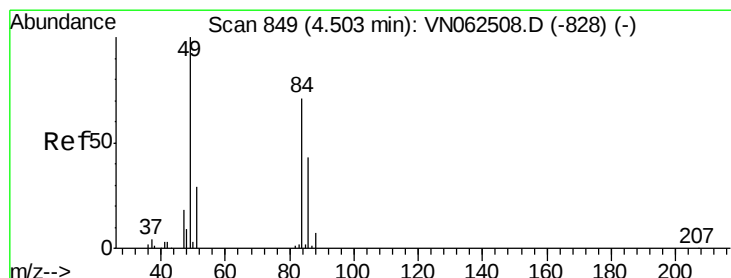
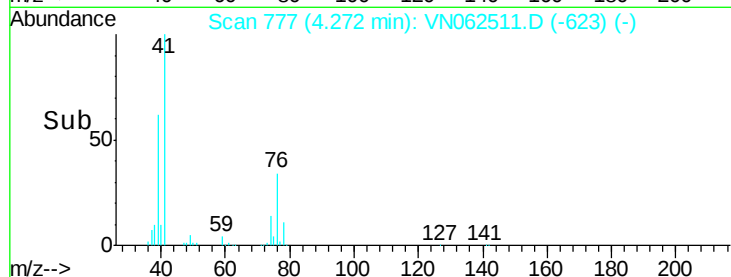
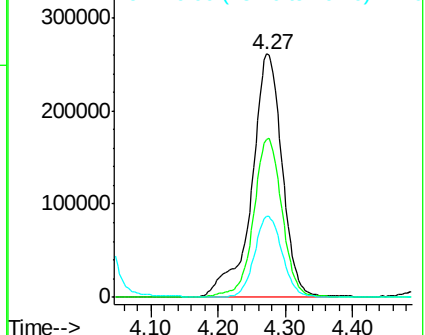
76 33.0 16.6 49.8



Abundance Ion 41.00 (40.70 to 41.70): VN062511.D (-623) (-)

Ion 39.00 (38.70 to 39.70): VN062511.D (-623) (-)

Ion 76.00 (75.70 to 76.70): VN062511.D (-623) (-)



#18

Methylene Chloride

Concen: 171.843 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion: 84 Resp: 440893

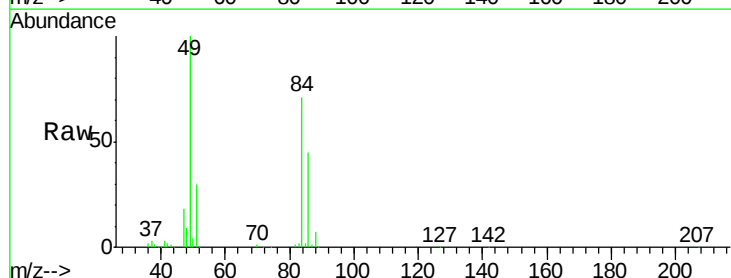
Ion Ratio Lower Upper

84 100

49 140.6 112.1 168.1

51 42.8 33.0 49.4

86 63.5 48.2 72.4

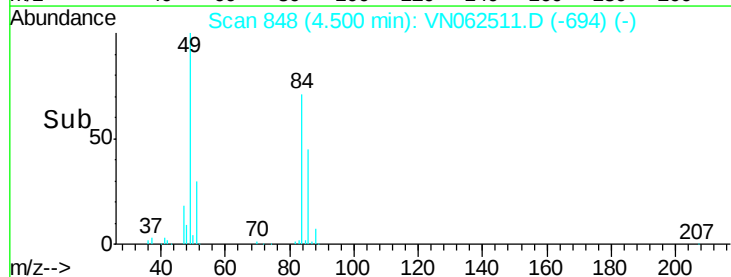
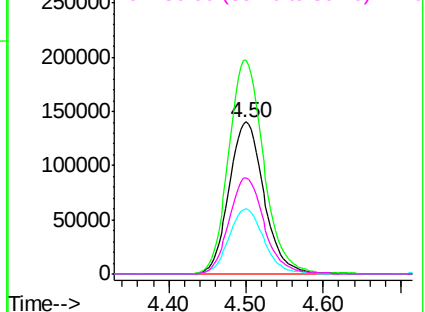


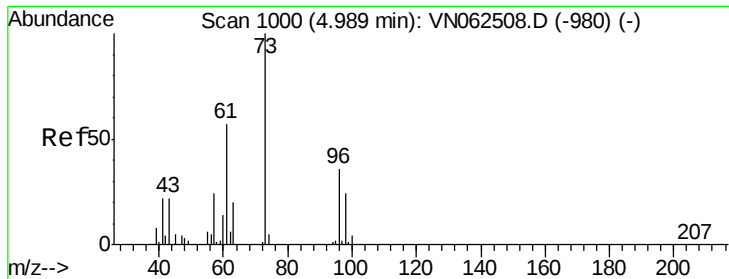
Abundance Ion 84.00 (83.70 to 84.70): VN062511.D (-694) (-)

Ion 49.00 (48.70 to 49.70): VN062511.D (-694) (-)

Ion 51.00 (50.70 to 51.70): VN062511.D (-694) (-)

Ion 86.00 (85.70 to 86.70): VN062511.D (-694) (-)





#19

trans-1,2-Dichloroethene

Concen: 163.149 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

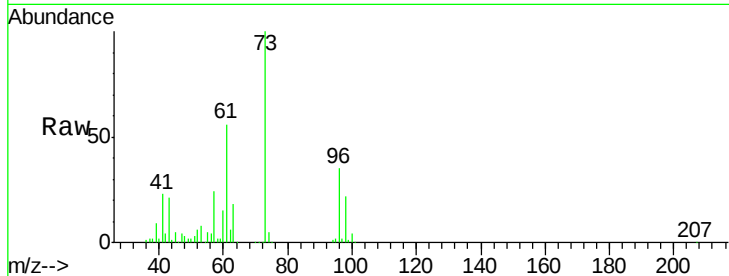
Tgt Ion: 96 Resp: 396210

Ion Ratio Lower Upper

96 100

61 160.0 125.7 188.5

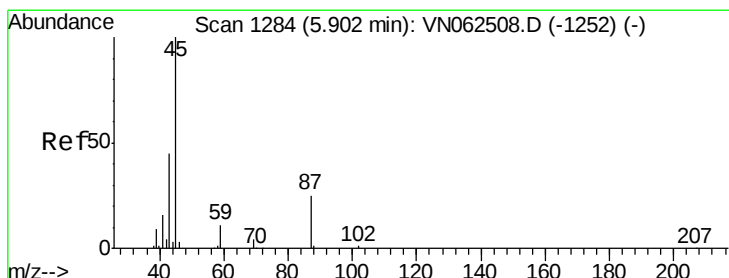
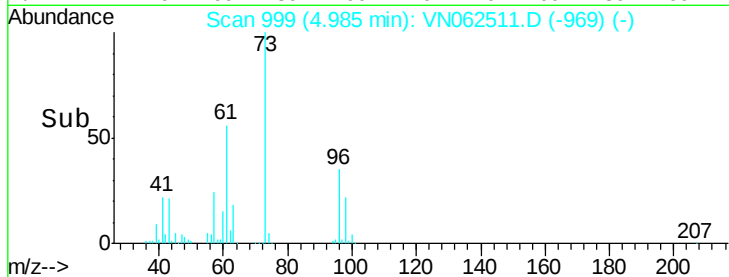
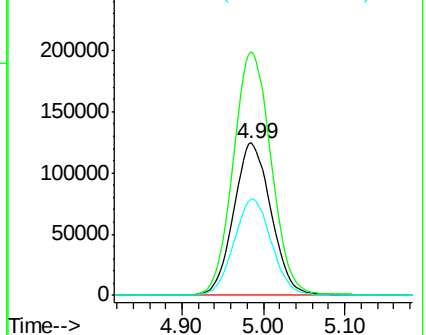
98 63.3 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VN062511.D (-969) (-)

Ion 61.00 (60.70 to 61.70): VN062511.D (-969) (-)

Ion 98.00 (97.70 to 98.70): VN062511.D (-969) (-)



#20

Diisopropyl ether

Concen: 231.433 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion: 45 Resp: 1571780

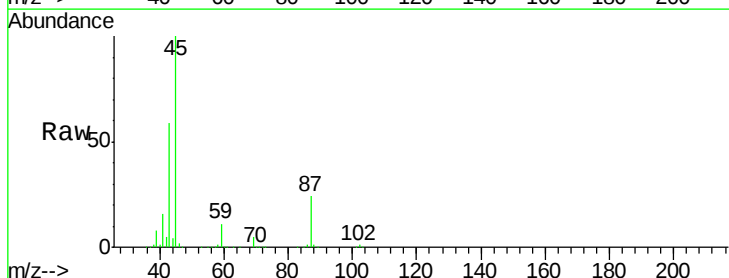
Ion Ratio Lower Upper

45 100

43 58.0 51.3 76.9

87 24.0 19.8 29.6

59 11.1 8.8 13.2

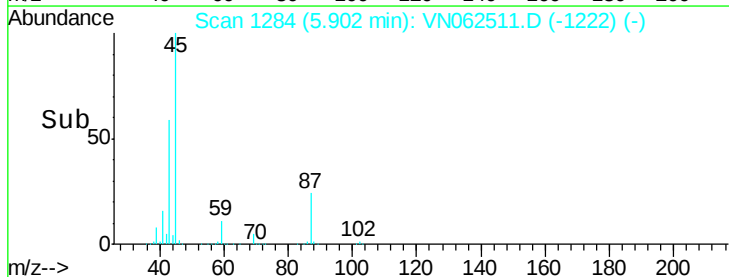
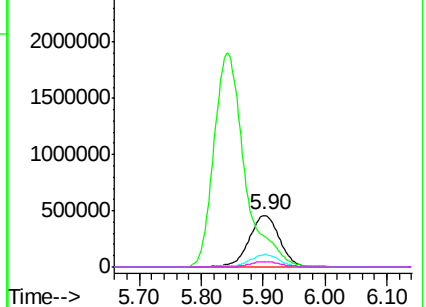


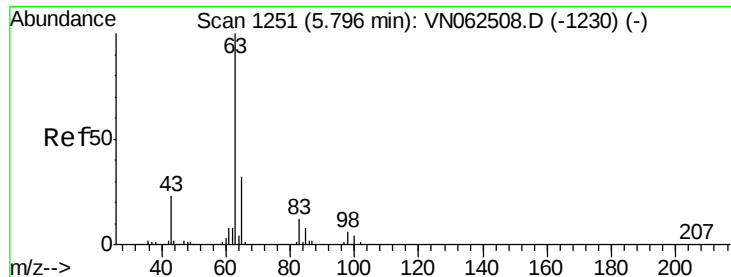
Abundance Ion 45.00 (44.70 to 45.70): VN062511.D (-1222) (-)

Ion 43.00 (42.70 to 43.70): VN062511.D (-1222) (-)

Ion 87.00 (86.70 to 87.70): VN062511.D (-1222) (-)

Ion 59.00 (58.70 to 59.70): VN062511.D (-1222) (-)





#21

1,1-Dichloroethane

Concen: 199.863 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

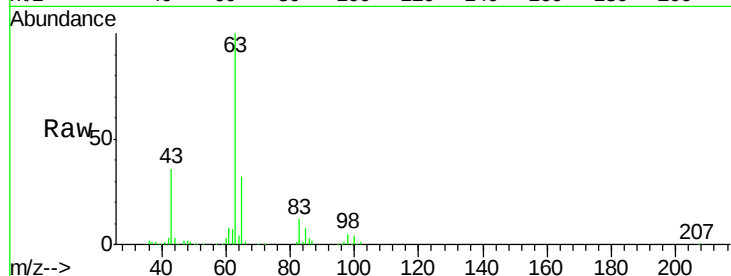
Tgt Ion: 63 Resp: 841327

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.4

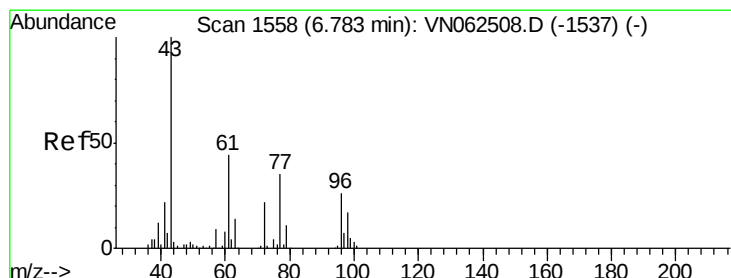
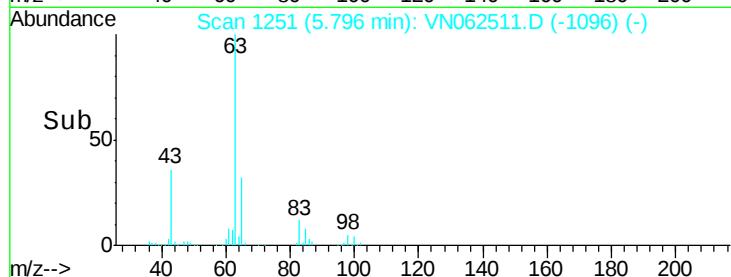
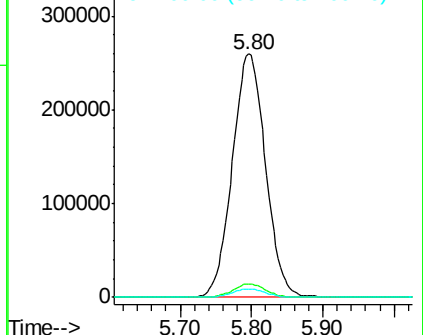
100 3.6 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN062511.D (-1096) (-)

Ion 98.00 (97.70 to 98.70): VN062511.D (-1096) (-)

Ion 100.00 (99.70 to 100.70): VN062511.D (-1096) (-)



#22

cis-1,2-Dichloroethene

Concen: 161.020 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

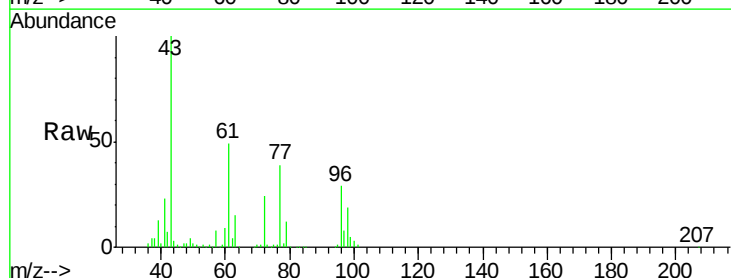
Tgt Ion: 96 Resp: 458332

Ion Ratio Lower Upper

96 100

61 168.2 134.9 202.3

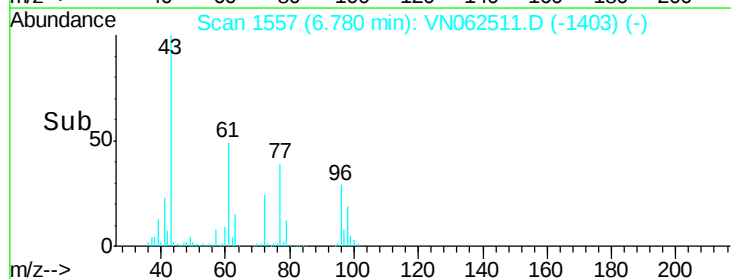
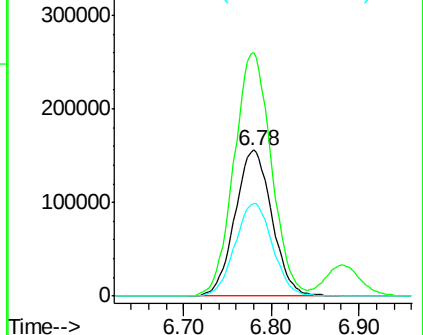
98 64.4 51.5 77.3

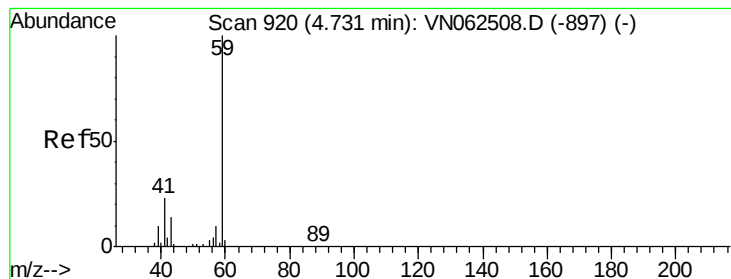


Abundance Ion 96.00 (95.70 to 96.70): VN062511.D (-1403) (-)

Ion 61.00 (60.70 to 61.70): VN062511.D (-1403) (-)

Ion 98.00 (97.70 to 98.70): VN062511.D (-1403) (-)



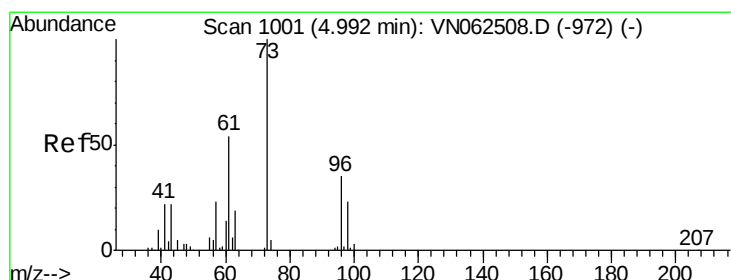
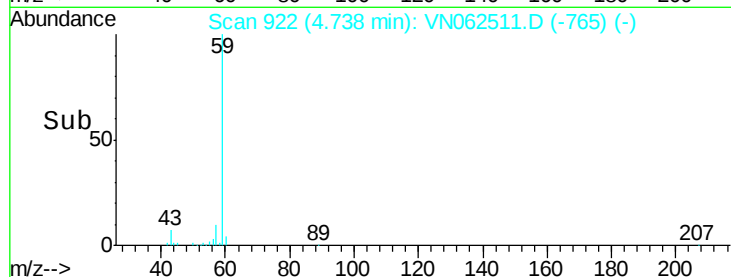
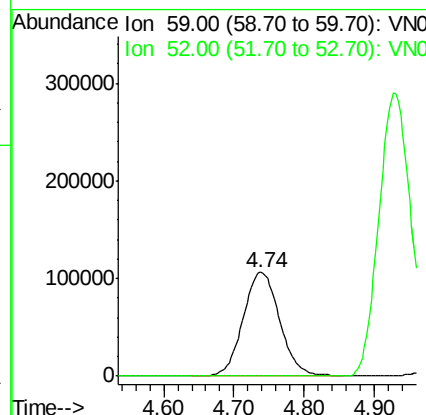
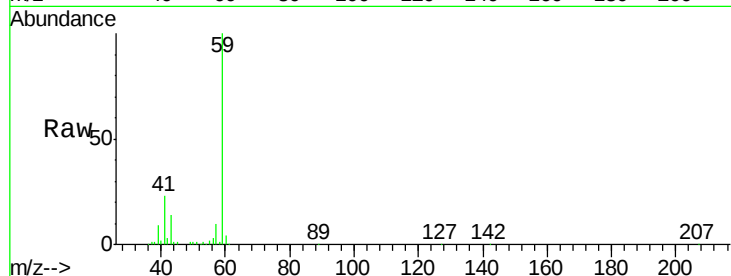


#23

tert-Butyl Alcohol
 Concen: 1021.213 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

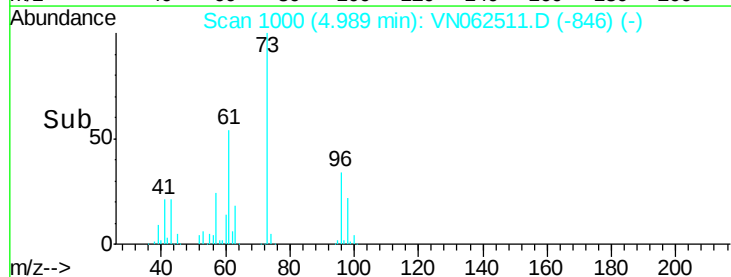
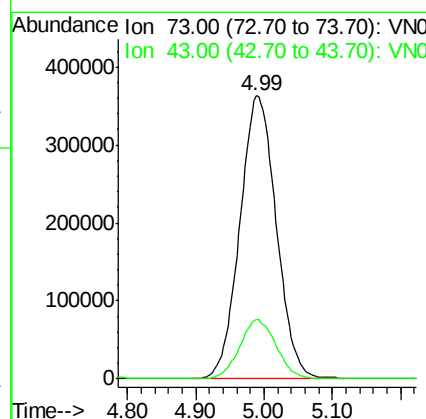
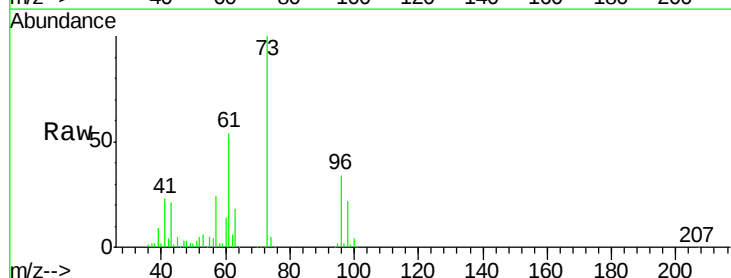
Tgt Ion: 59 Resp: 384964
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

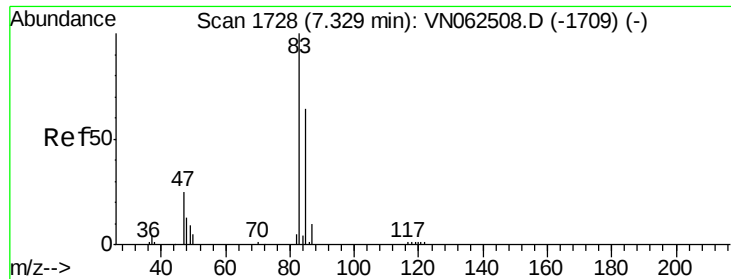


#24

Methyl tert-Butyl Ether
 Concen: 185.803 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 73 Resp: 1348740
 Ion Ratio Lower Upper
 73 100
 43 20.7 16.9 25.3





#25

Chloroform

Concen: 168.258 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

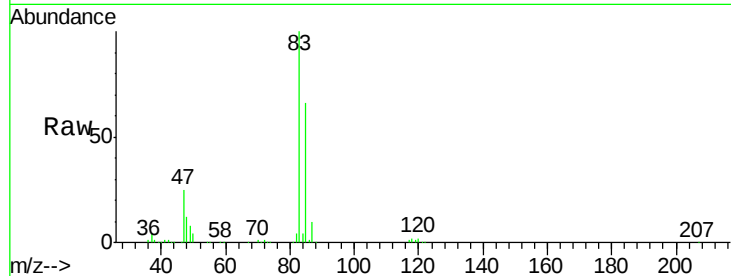
VSTDIC150

Tgt Ion: 83 Resp: 764195

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN062511.D (-1573) (-)

Ion 85.00 (84.70 to 85.70): VN062511.D (-1573) (-)

7.33

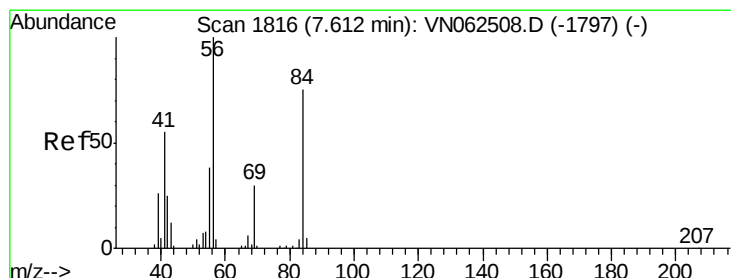
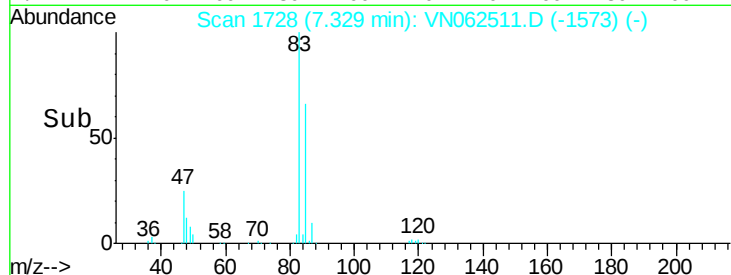
300000

200000

100000

0

Time-->



#26

Cyclohexane

Concen: 227.745 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

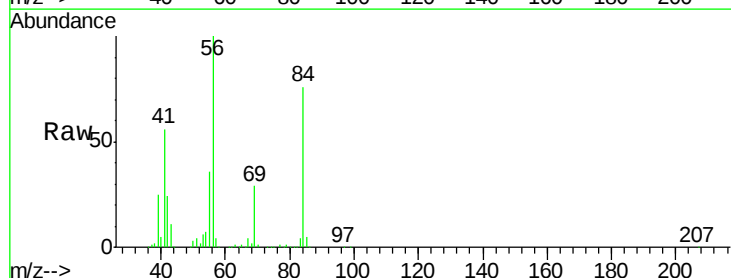
Tgt Ion: 56 Resp: 758215

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 75.1 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN062511.D (-1661) (-)

Ion 89.00 (88.70 to 89.70): VN062511.D (-1661) (-)

Ion 84.00 (83.70 to 84.70): VN062511.D (-1661) (-)

500000

400000

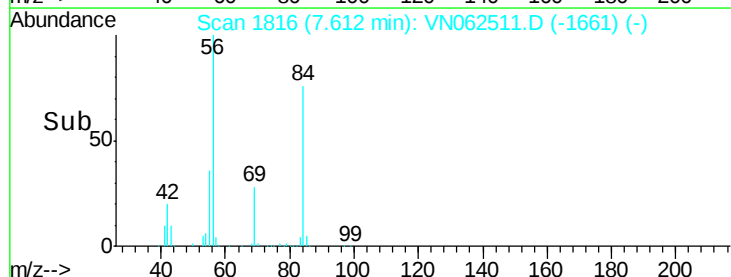
300000

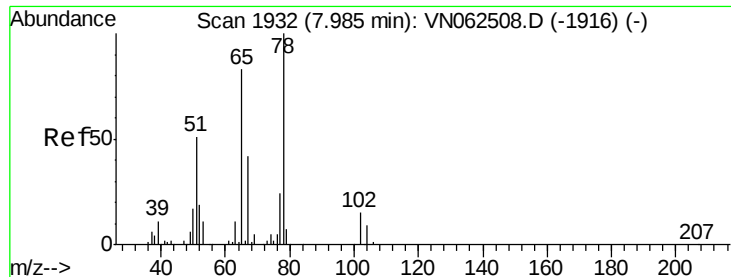
200000

100000

0

Time-->

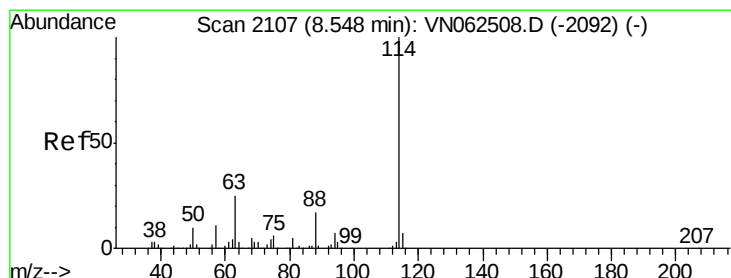
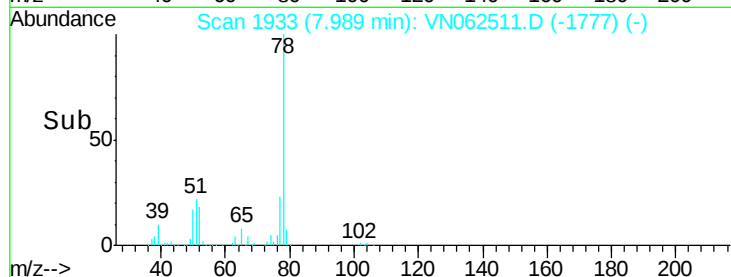
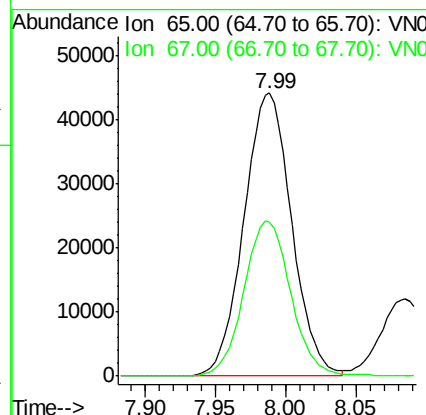
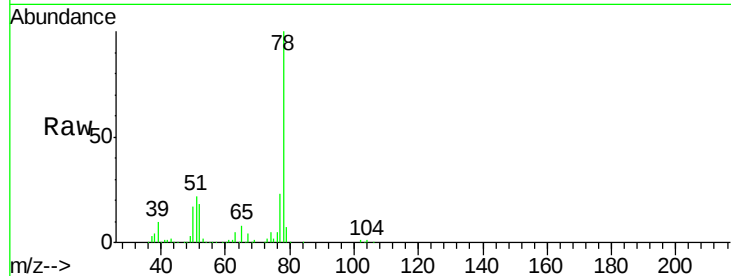




#27
 1,2-Dichloroethane-d4
 Concen: 37.329 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

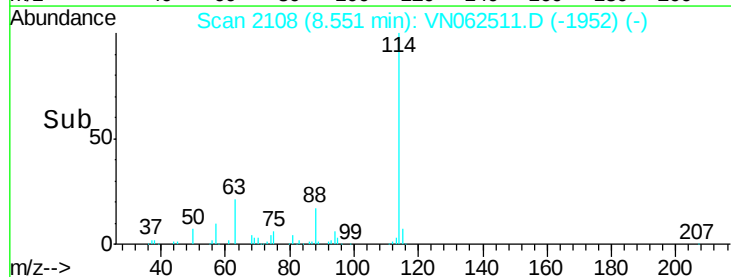
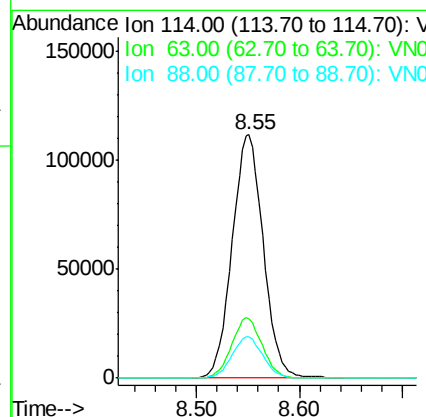
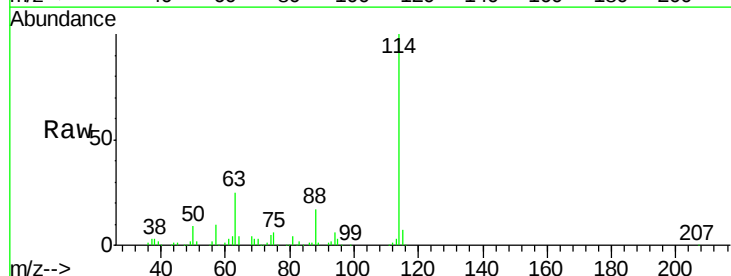
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

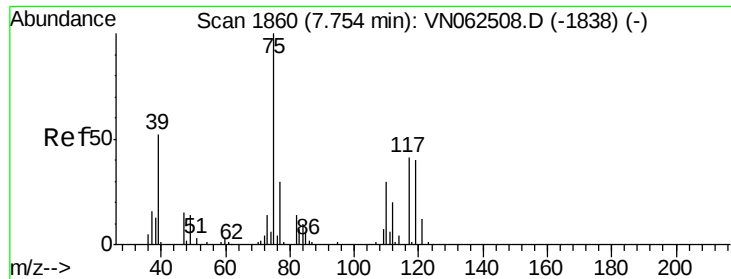
Tgt Ion: 65 Resp: 104719
 Ion Ratio Lower Upper
 65 100
 67 53.4 41.7 62.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 114 Resp: 235467
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.4 29.0
 88 16.6 13.5 20.3

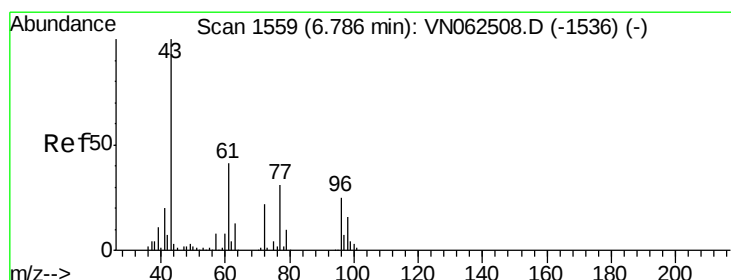
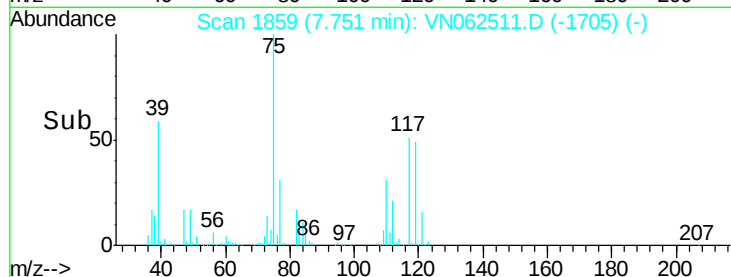
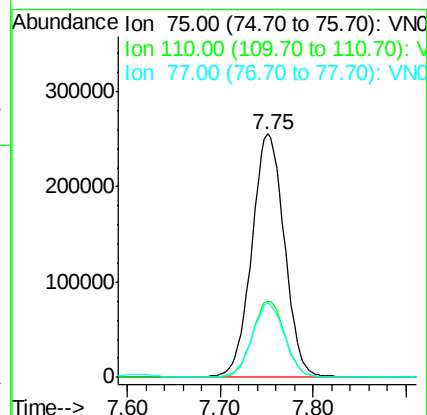
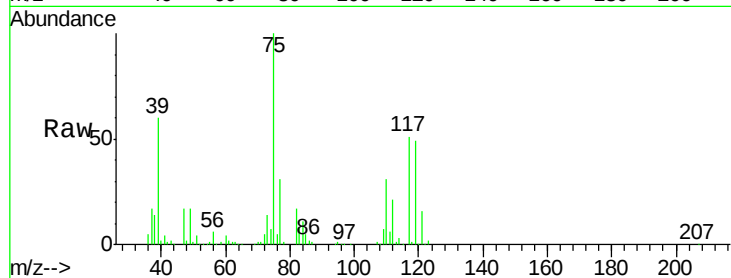




#29
 1,1-Dichloropropene
 Concen: 185.526 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

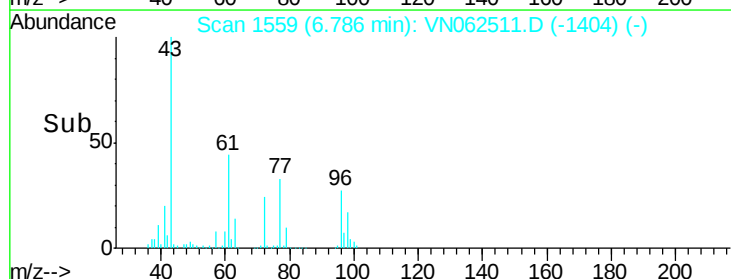
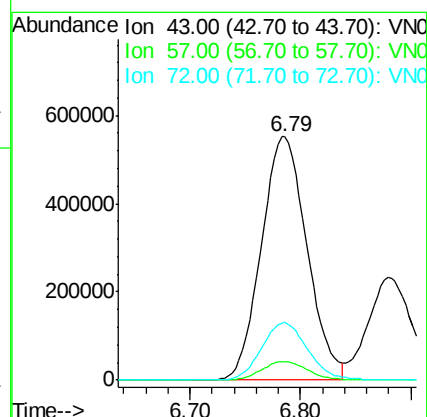
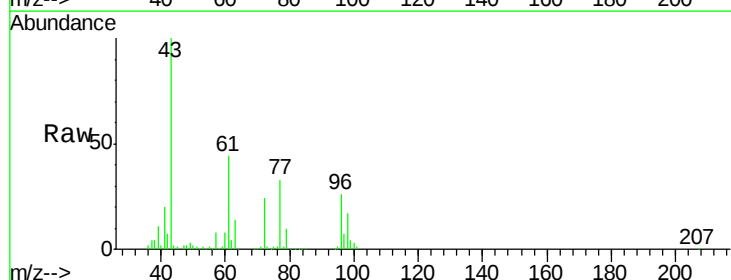
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

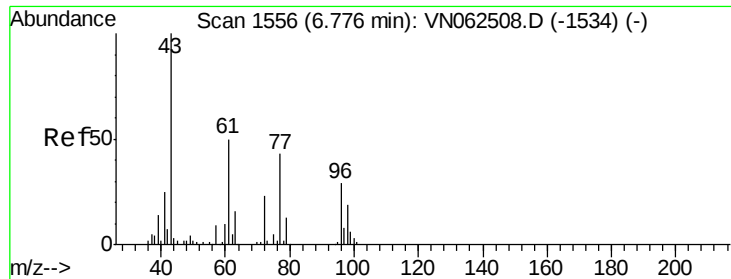
Tgt Ion: 75 Resp: 623334
 Ion Ratio Lower Upper
 75 100
 110 31.2 0.0 62.4
 77 30.4 0.0 62.8



#30
 2-Butanone
 Concen: 1175.766 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 43 Resp: 1581986
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.6 9.8
 72 24.1 18.5 27.7

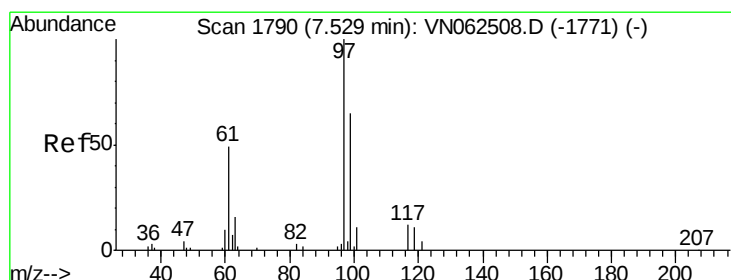
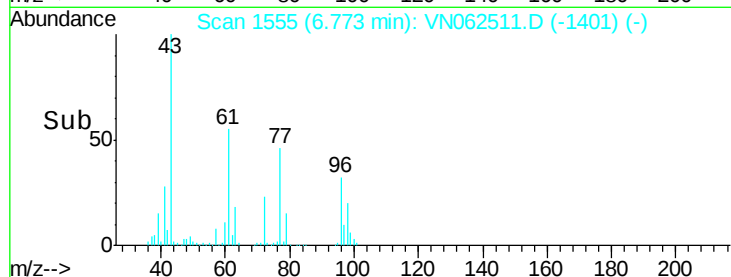
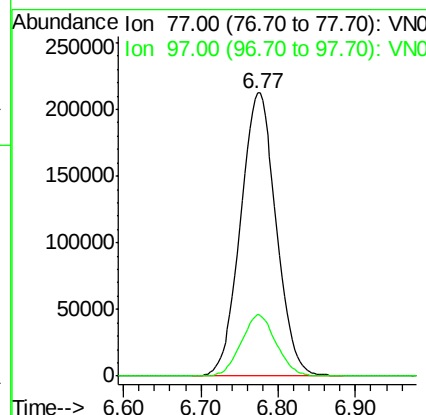
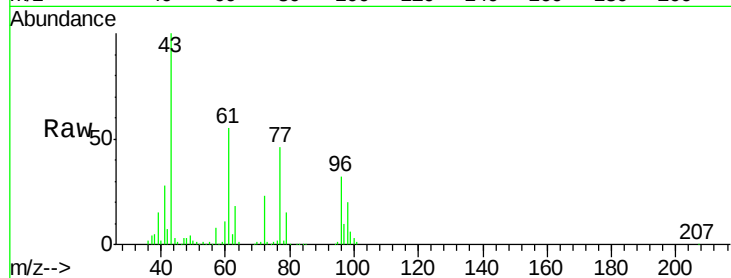




#31
 2,2-Dichloropropane
 Concen: 172.832 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

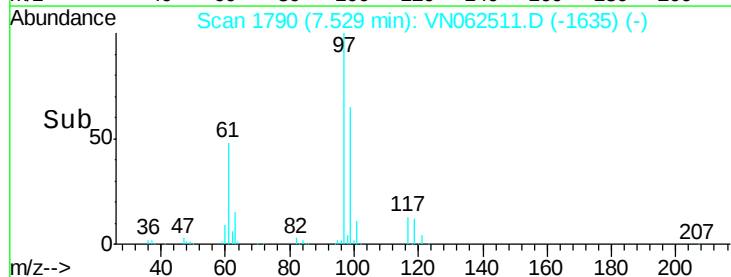
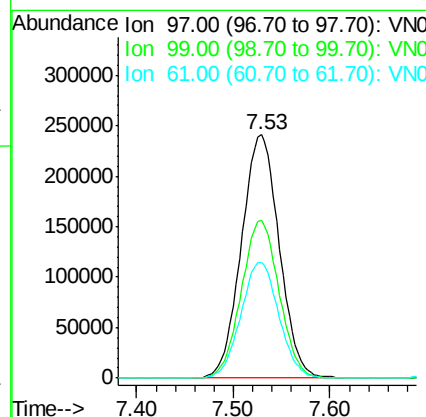
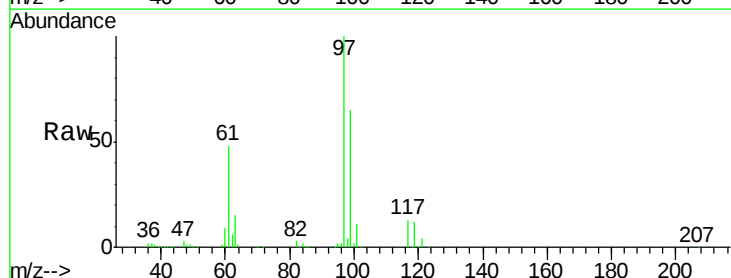
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

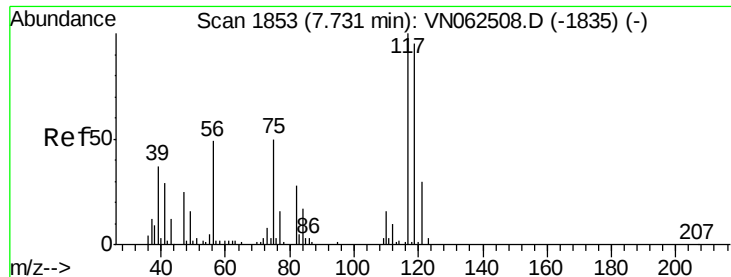
Tgt Ion: 77 Resp: 679238
 Ion Ratio Lower Upper
 77 100
 97 21.4 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 158.062 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 97 Resp: 656627
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.8
 61 47.9 39.4 59.0

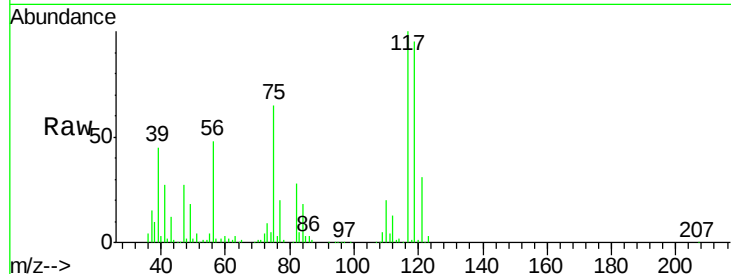




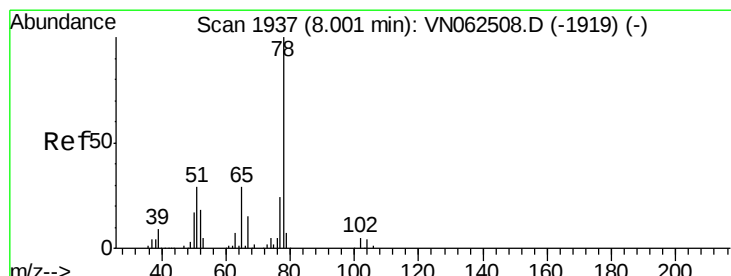
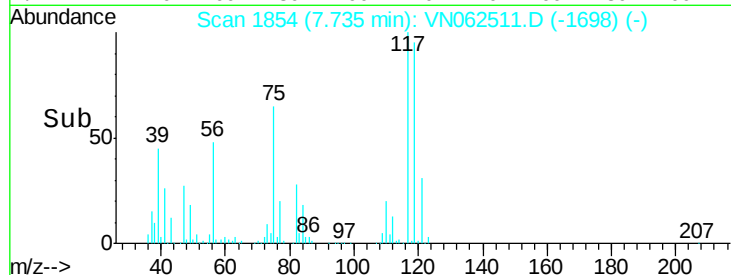
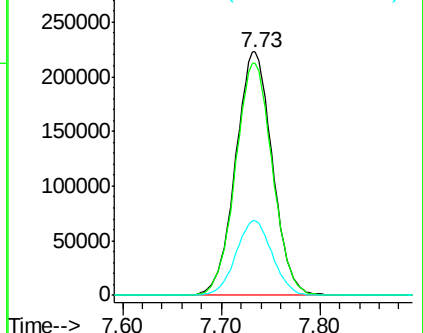
#33
Carbon Tetrachloride
Concen: 166.785 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 117 Resp: 573604
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.4
121 30.7 23.8 35.6

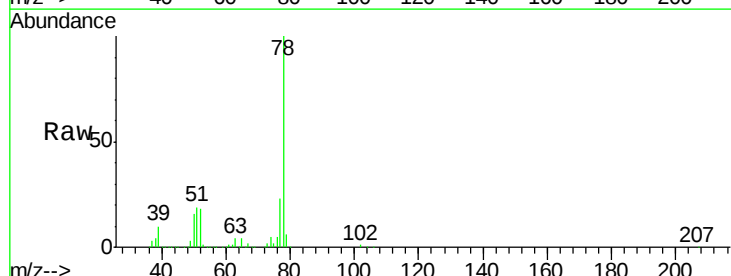


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

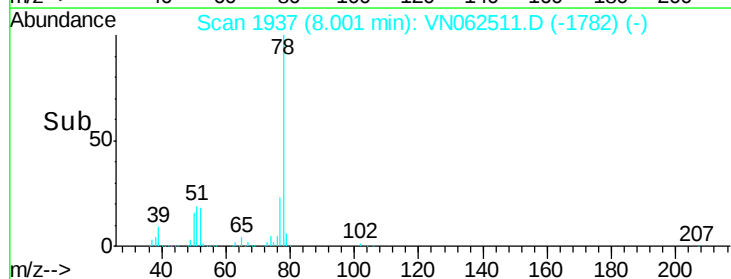
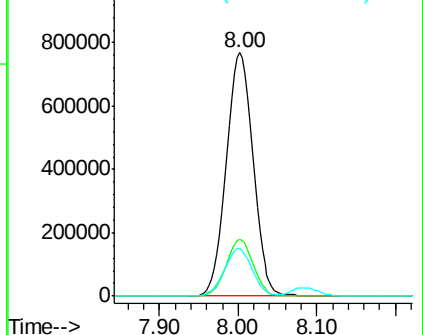


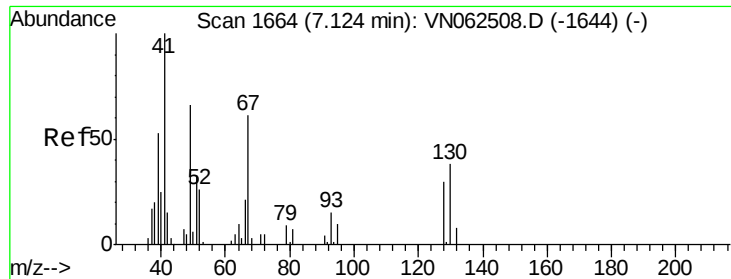
#34
Benzene
Concen: 175.070 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 78 Resp: 1821244
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3
51 19.4 23.1 34.7#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO

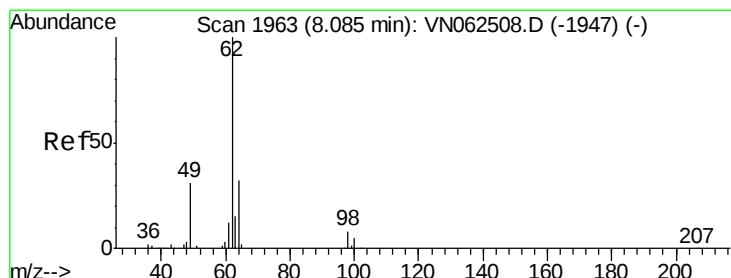
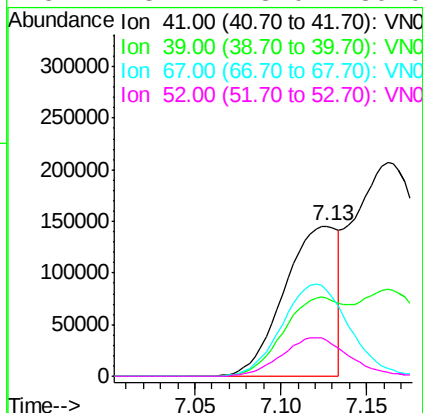
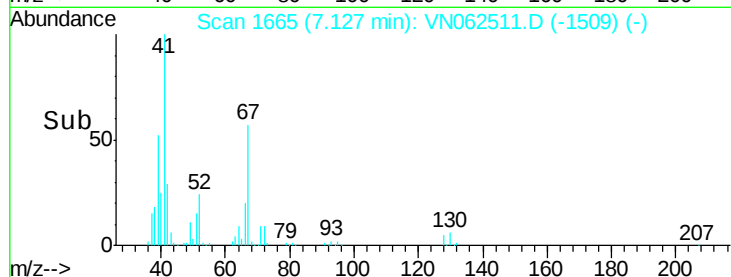
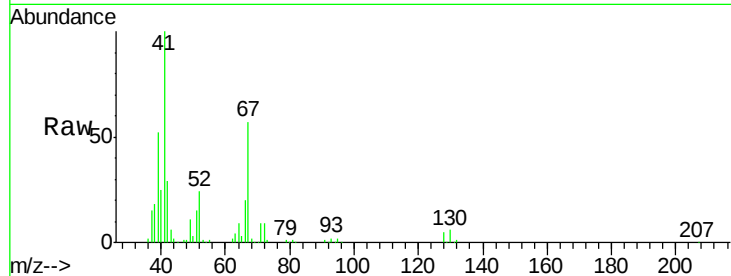




#35
Methacrylonitrile
Concen: 263.355 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

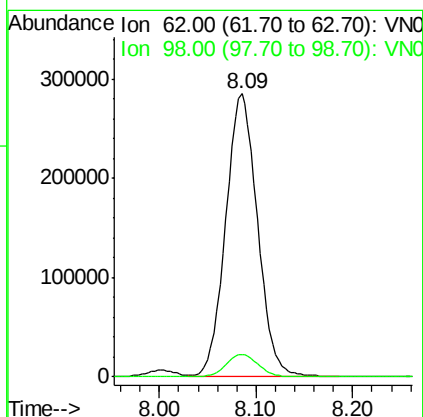
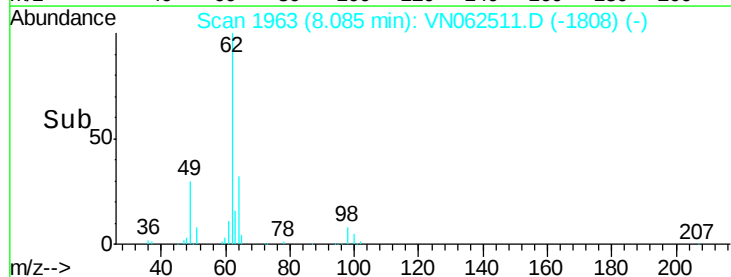
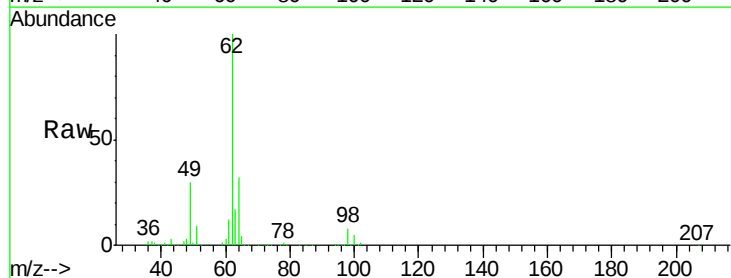
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

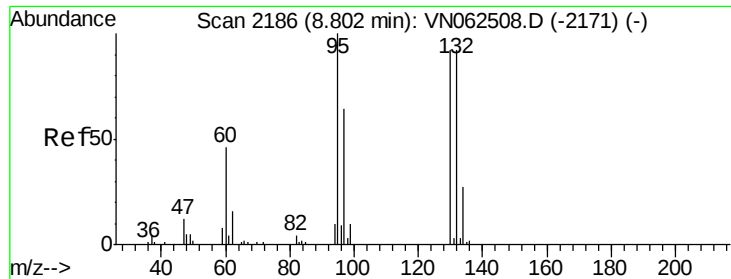
Tgt Ion: 41 Resp: 313204
Ion Ratio Lower Upper
41 100
39 52.0 26.5 79.5
67 57.3 30.7 92.1
52 23.7 13.0 39.0



#36
1,2-Dichloroethane
Concen: 187.382 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 62 Resp: 647689
Ion Ratio Lower Upper
62 100
98 8.1 6.6 9.8





#37

Trichloroethene

Concen: 136.346 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

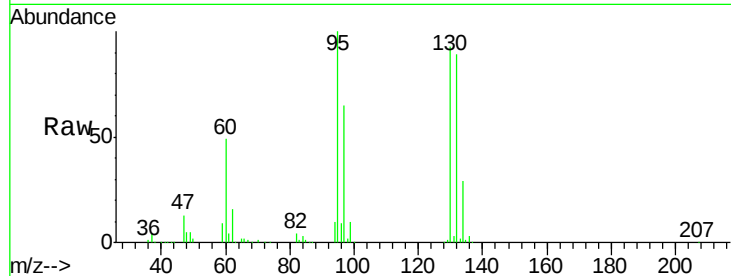
VSTDIC150

Tgt Ion:130 Resp: 414764

Ion Ratio Lower Upper

130 100

95 107.1 86.5 129.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

250000

200000

150000

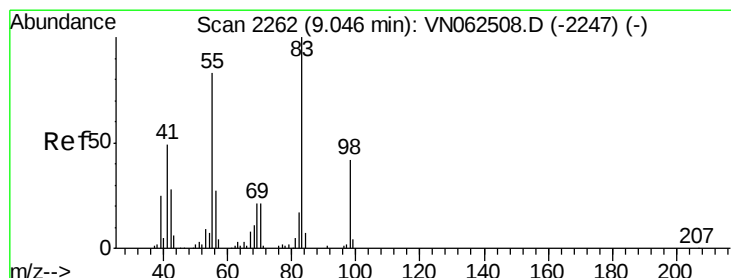
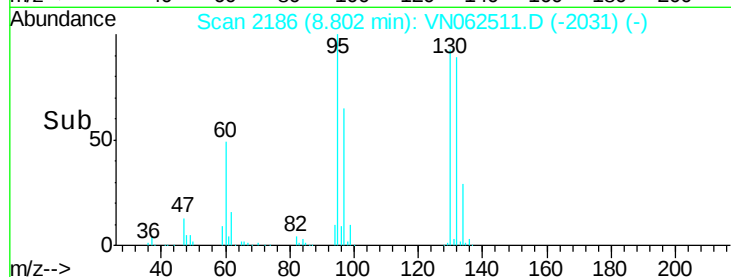
100000

50000

0

Time-->

8.70 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 188.229 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

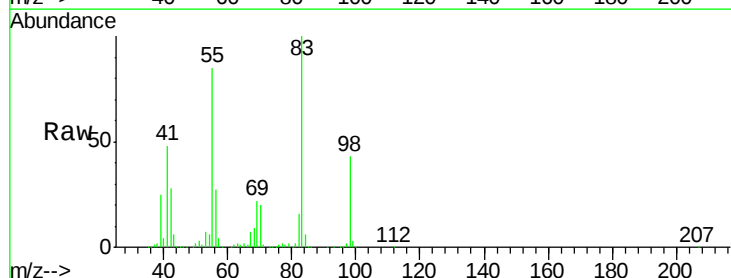
Tgt Ion: 83 Resp: 705668

Ion Ratio Lower Upper

83 100

55 84.8 42.8 128.3

98 42.8 21.9 65.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

400000

300000

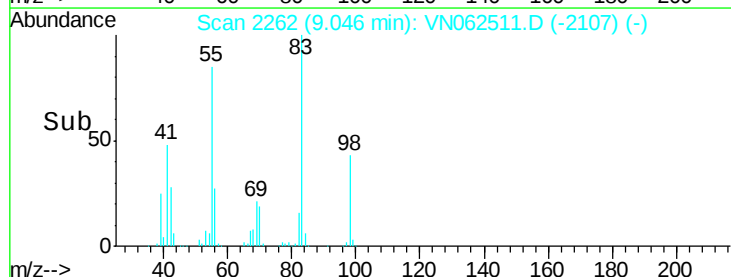
200000

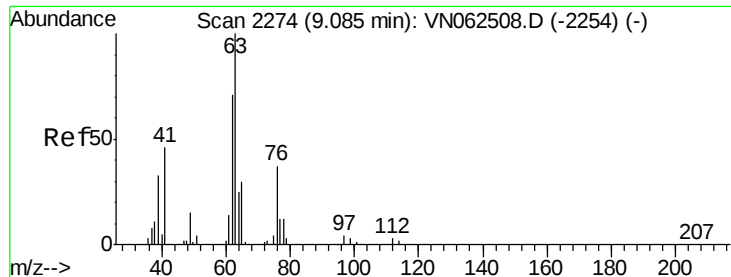
100000

0

Time-->

9.00 9.05 9.10

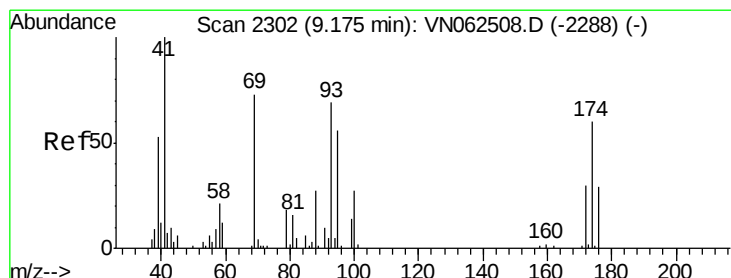
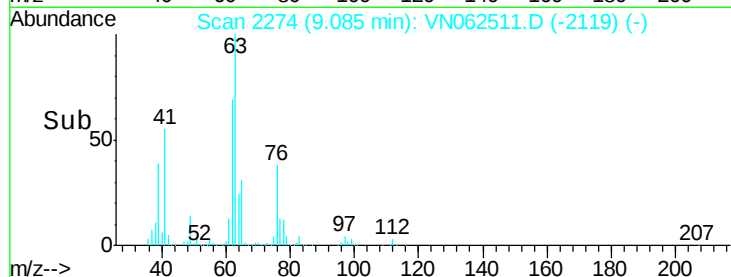
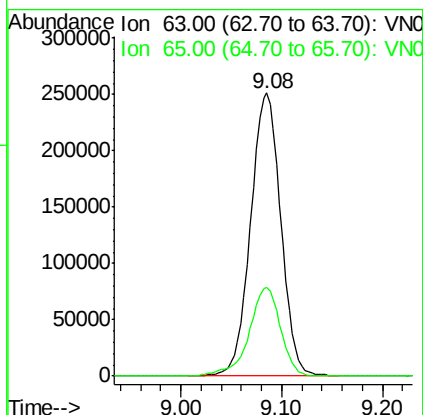
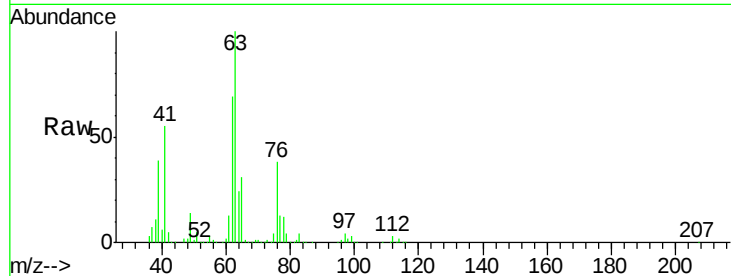




#39
 1,2-Dichloropropane
 Concen: 199.224 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

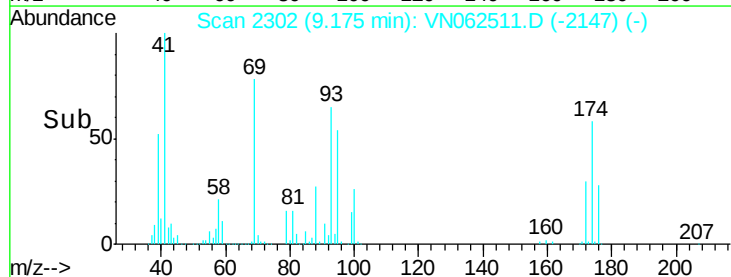
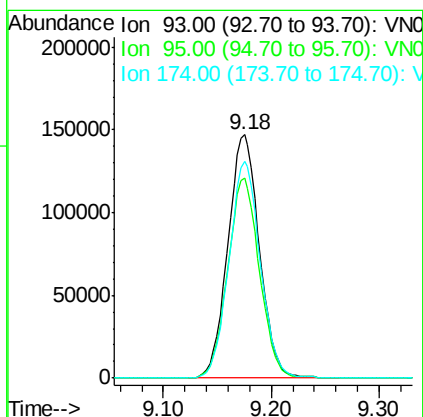
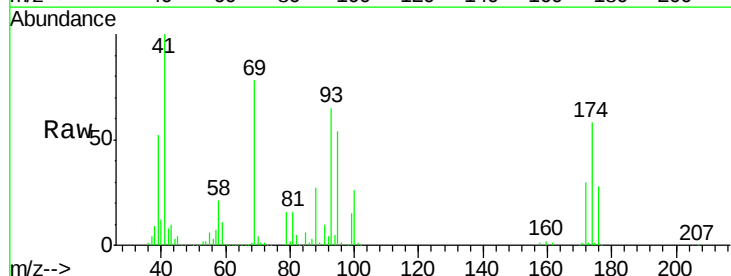
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

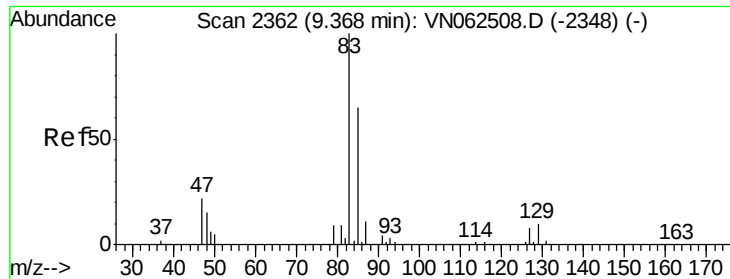
Tgt Ion: 63 Resp: 520418
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4



#40
 Dibromomethane
 Concen: 162.956 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 93 Resp: 299798
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 161.2
 174 88.4 0.0 178.0





#41

Bromodichloromethane

Concen: 171.189 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

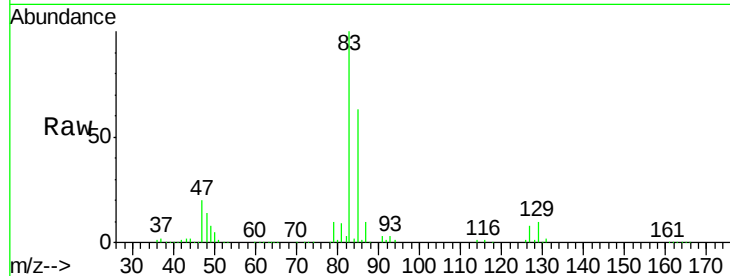
Tgt Ion: 83 Resp: 644576

Ion Ratio Lower Upper

83 100

85 63.4 51.6 77.4

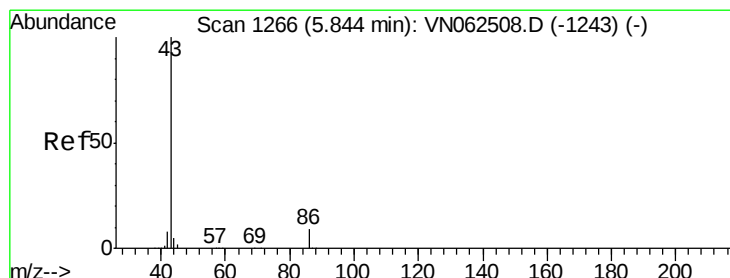
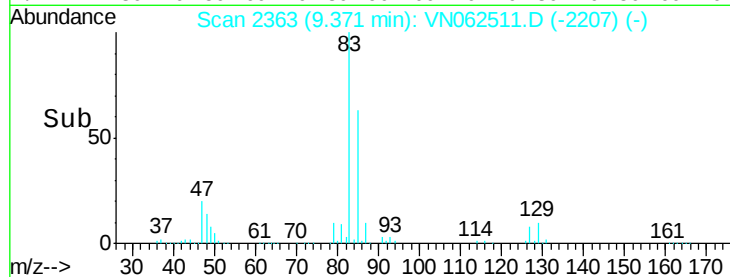
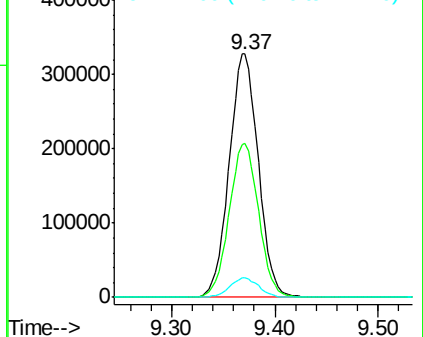
127 8.0 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 1205.664 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062511.D

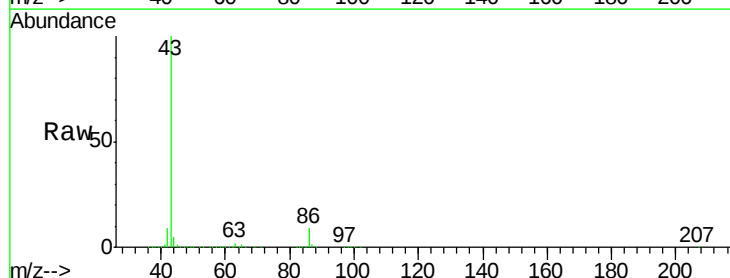
Acq: 13 Jul 2020 11:12

Tgt Ion: 43 Resp: 6594673

Ion Ratio Lower Upper

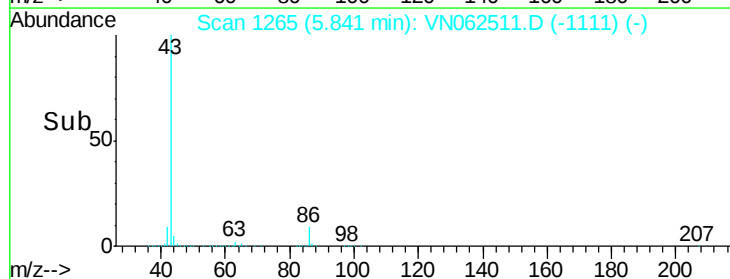
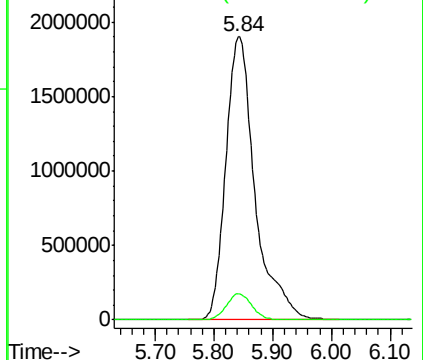
43 100

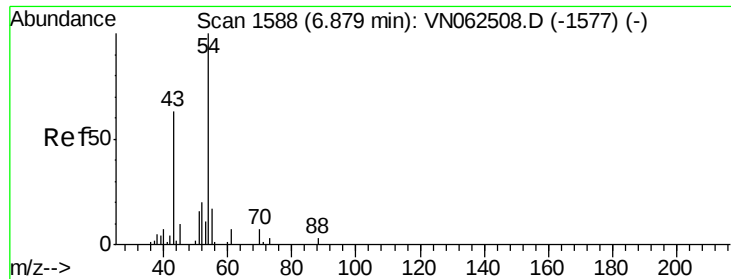
86 8.0 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

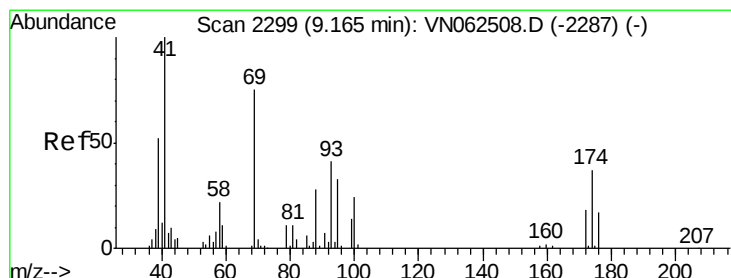
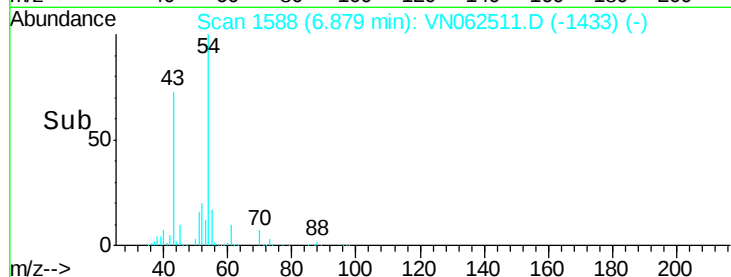
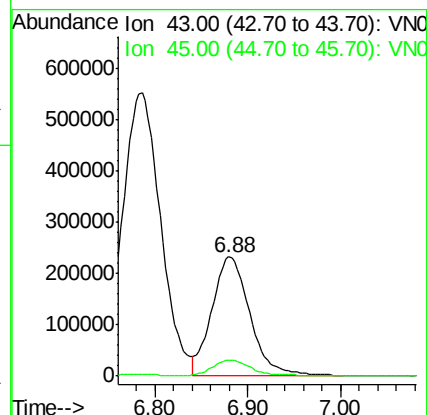
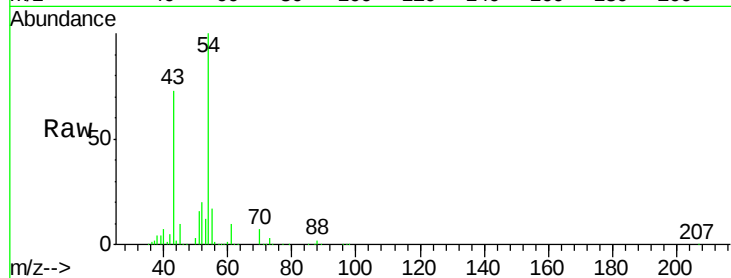




#43
Ethyl Acetate
Concen: 241.279 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

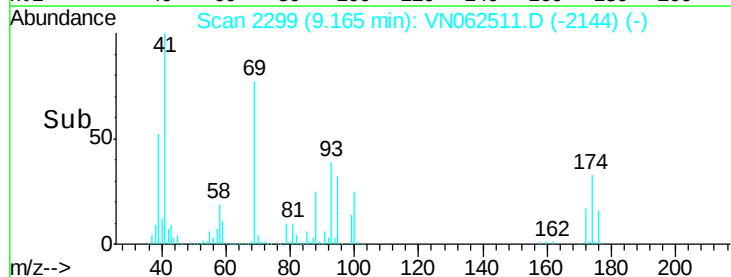
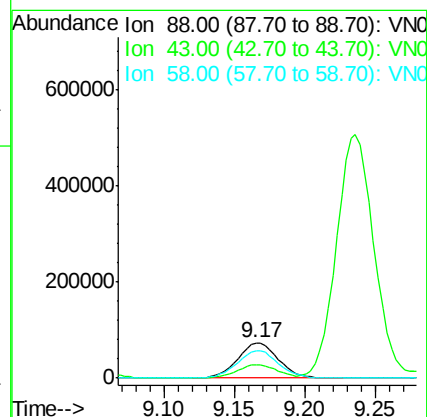
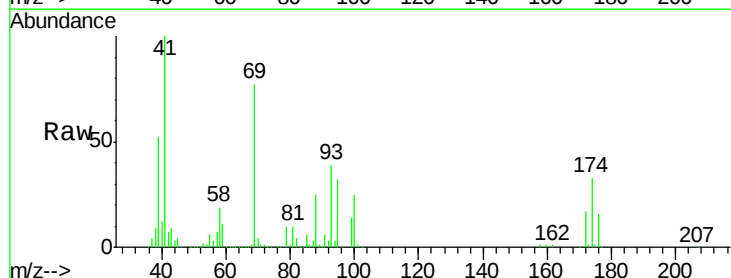
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

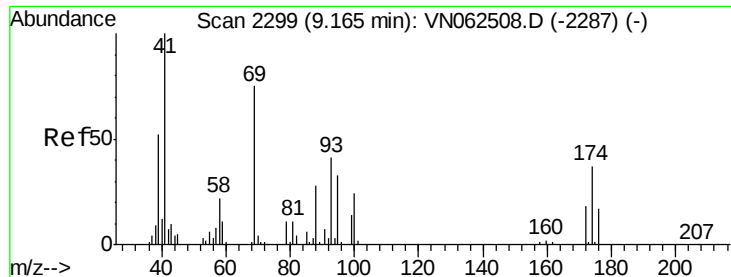
Tgt Ion: 43 Resp: 653846
Ion Ratio Lower Upper
43 100
45 14.6 10.2 15.4



#45
1,4-Dioxane
Concen: 3387.241 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 88 Resp: 149614
Ion Ratio Lower Upper
88 100
43 36.5 29.2 43.8
58 78.6 62.2 93.4

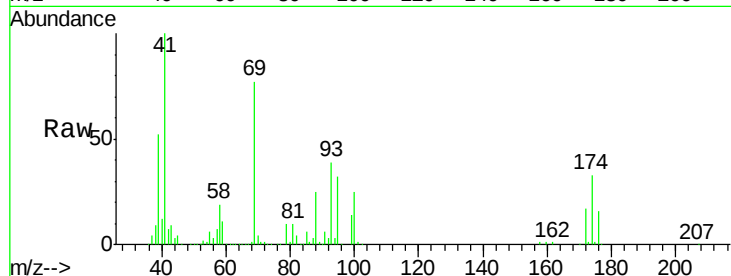




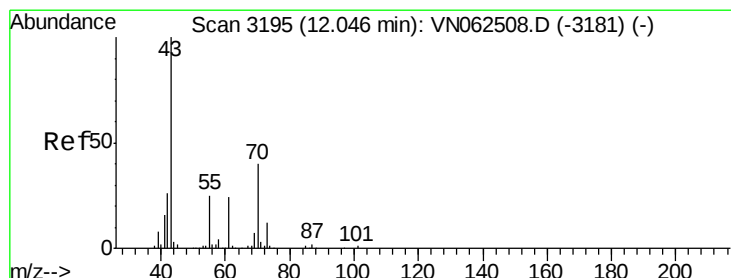
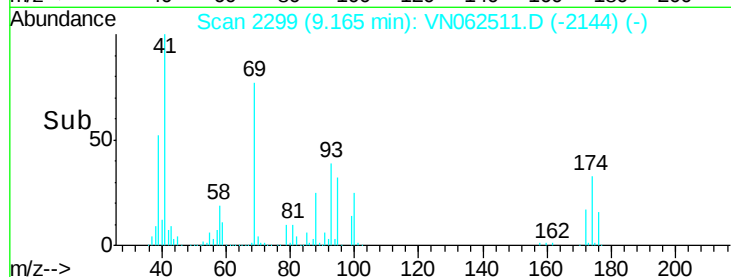
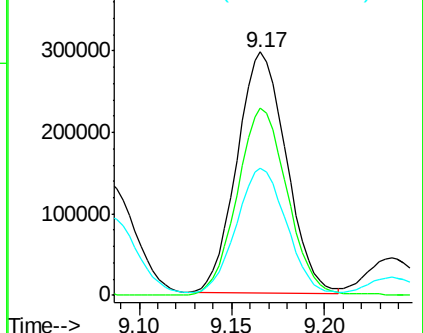
#46
Methyl methacrylate
Concen: 257.639 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 546721
Ion Ratio Lower Upper
41 100
69 77.5 37.4 112.2
39 52.0 25.9 77.6

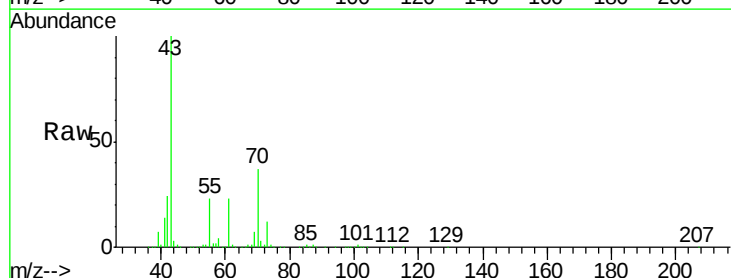


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

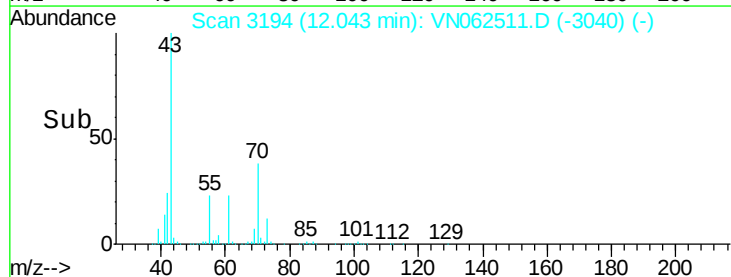
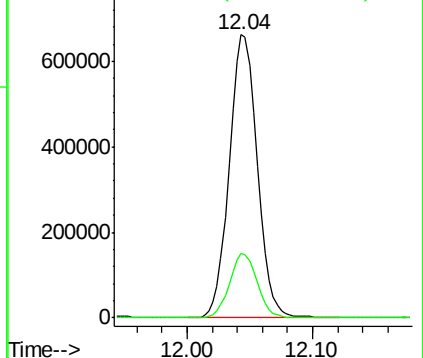


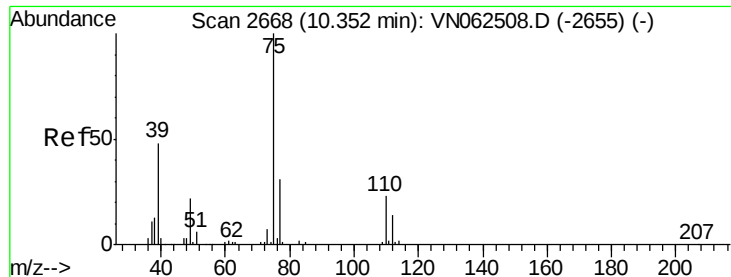
#47
n-ethyl acetate
Concen: 256.175 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 43 Resp: 1025966
Ion Ratio Lower Upper
43 100
55 22.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 191.692 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

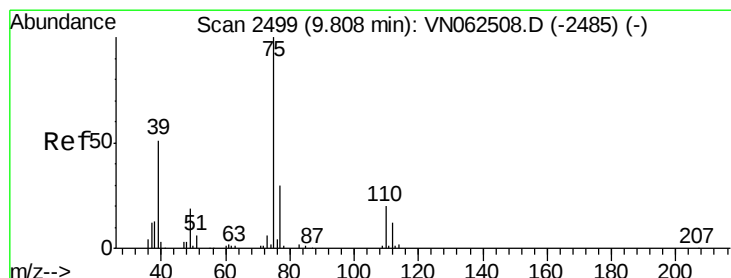
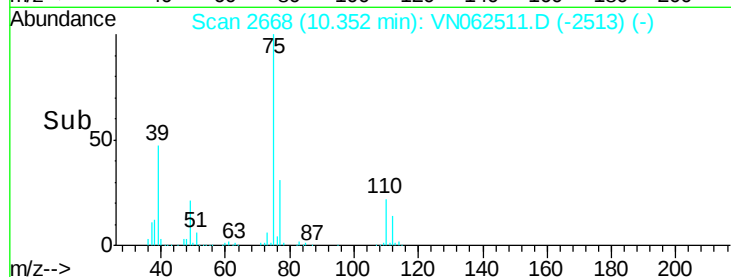
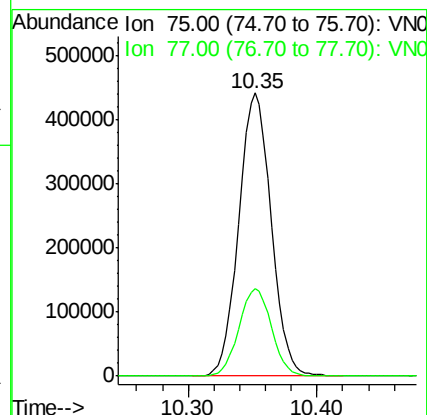
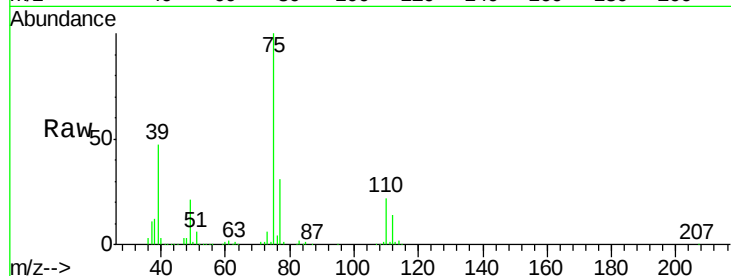
VSTDIC150

Tgt Ion: 75 Resp: 772910

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



#49

cis-1,3-Dichloropropene

Concen: 187.689 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

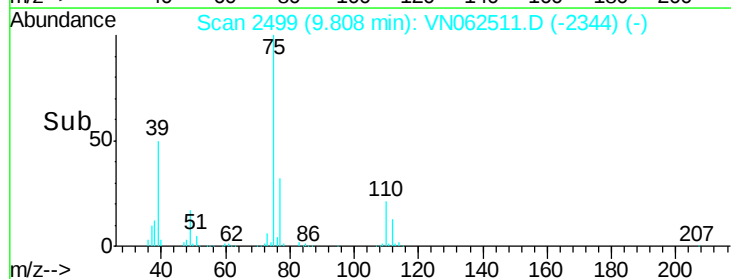
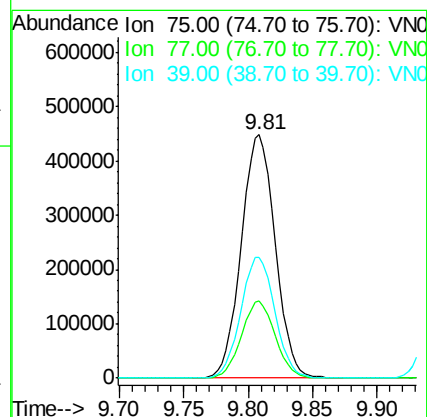
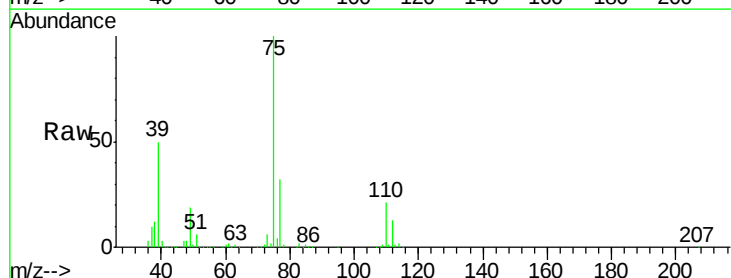
Tgt Ion: 75 Resp: 822936

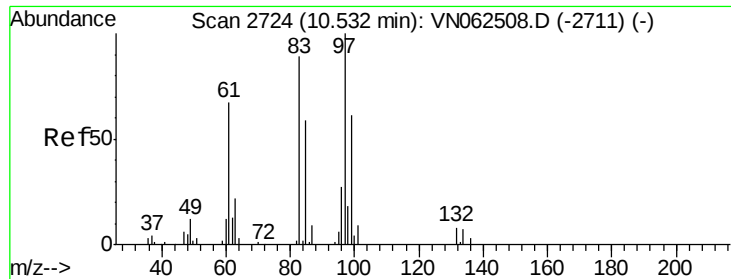
Ion Ratio Lower Upper

75 100

77 31.6 23.7 35.5

39 49.7 40.5 60.7

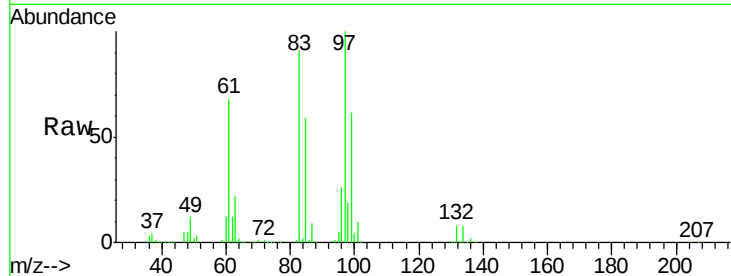




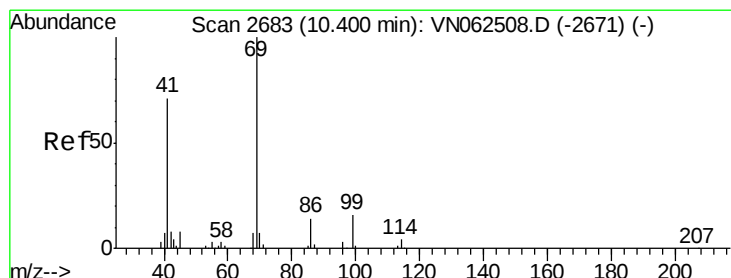
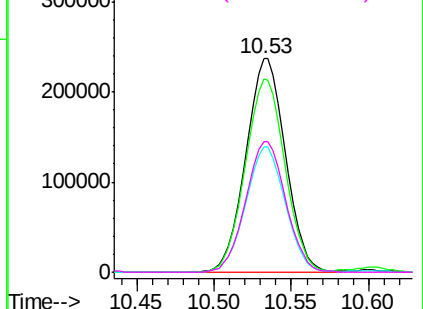
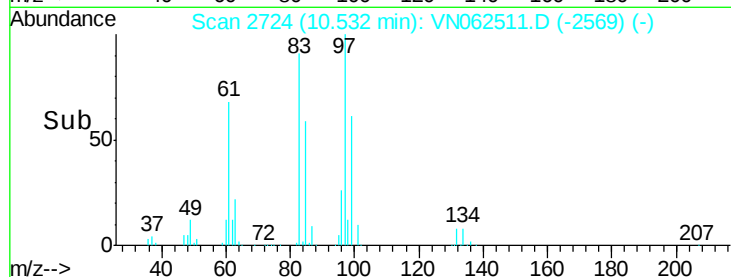
#50
 1,1,2-Trichloroethane
 Concen: 158.190 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 421948
 Ion Ratio Lower Upper
 97 100
 83 90.5 71.3 106.9
 85 58.7 47.2 70.8
 99 61.4 48.4 72.6

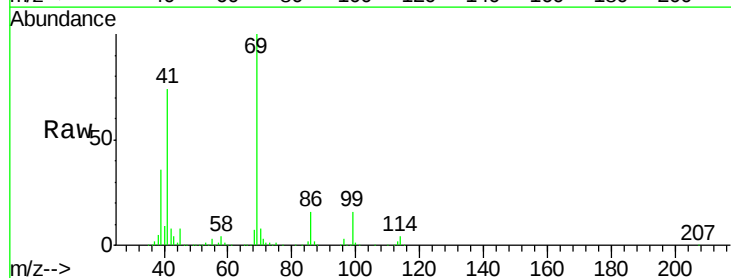


Abundance Ion 97.00 (96.70 to 97.70): VN062511.D (-2569) (-)

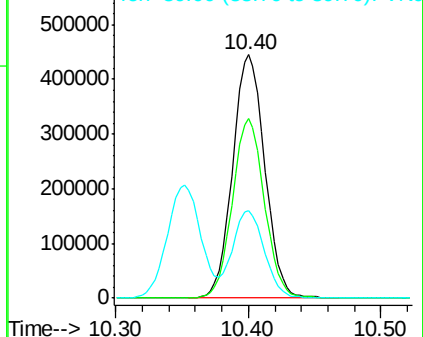
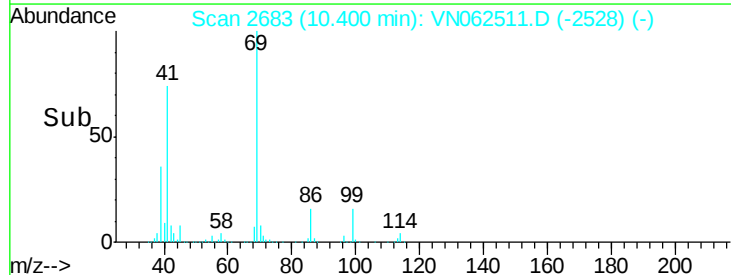


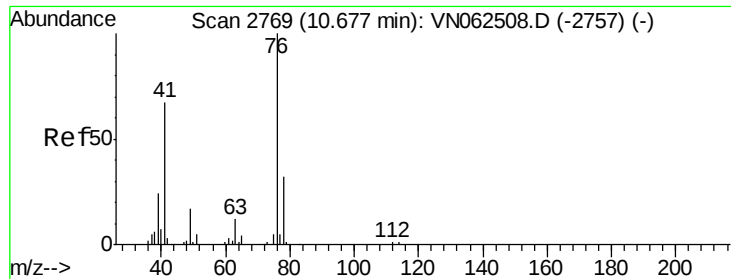
#51
 Ethyl methacrylate
 Concen: 203.994 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 69 Resp: 748927
 Ion Ratio Lower Upper
 69 100
 41 73.5 35.6 106.8
 39 36.0 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VN062511.D (-2528) (-)

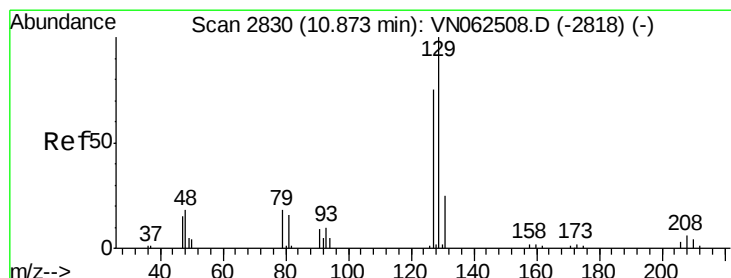
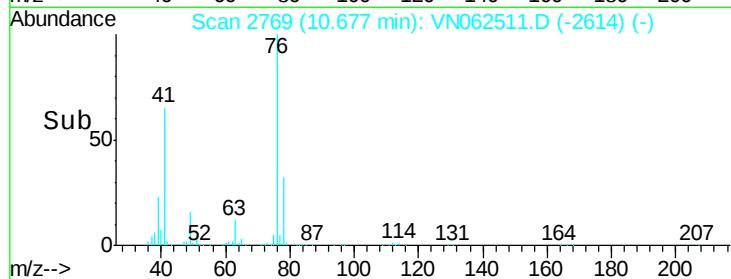
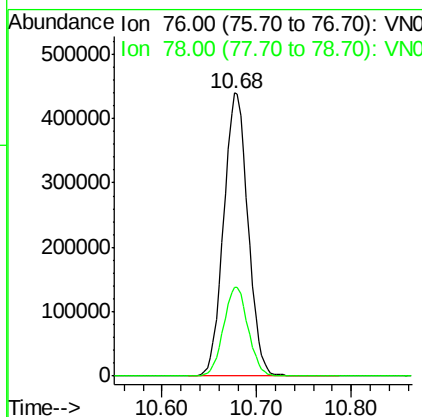
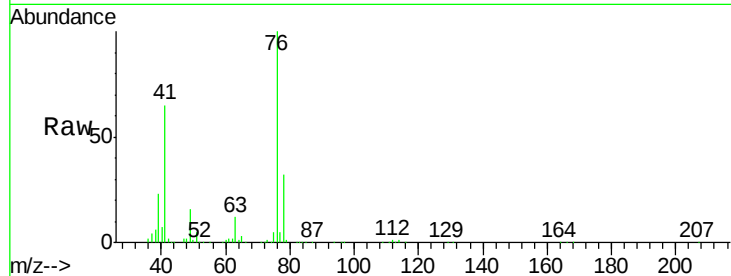




#52
 1,3-Dichloropropane
 Concen: 179.279 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

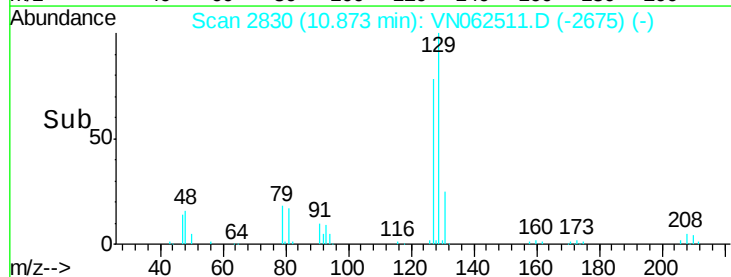
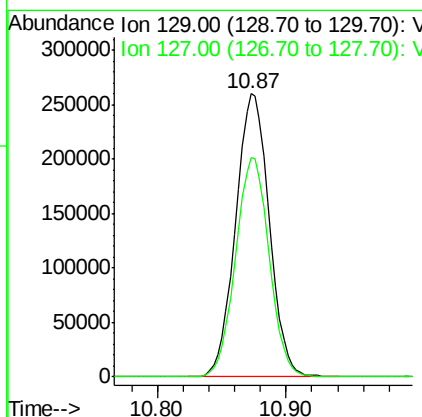
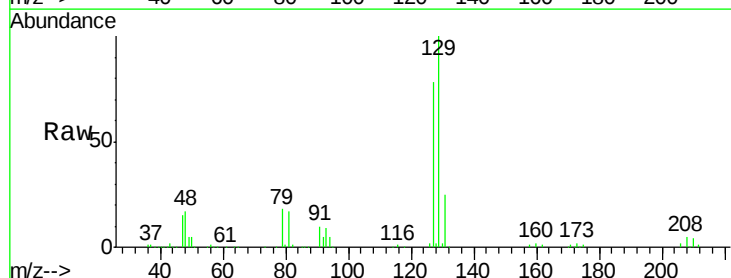
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

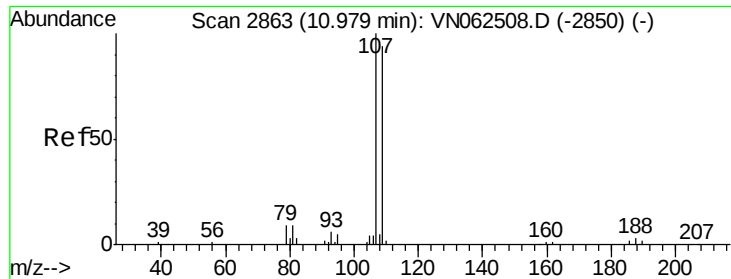
Tgt Ion: 76 Resp: 784193
 Ion Ratio Lower Upper
 76 100
 78 31.8 0.0 63.6



#53
 Dibromochloromethane
 Concen: 152.666 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 129 Resp: 471791
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.1 114.5

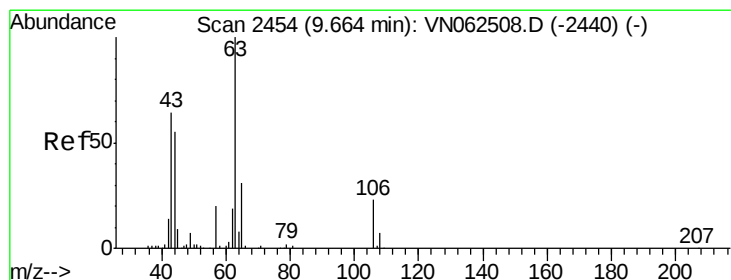
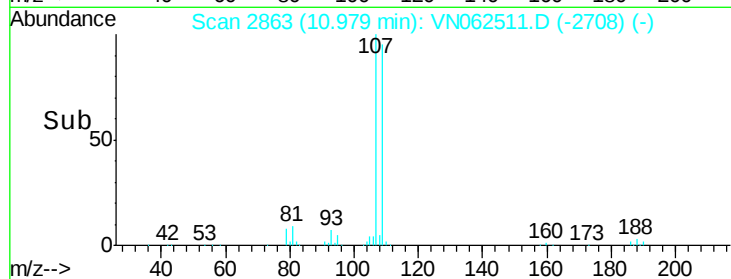
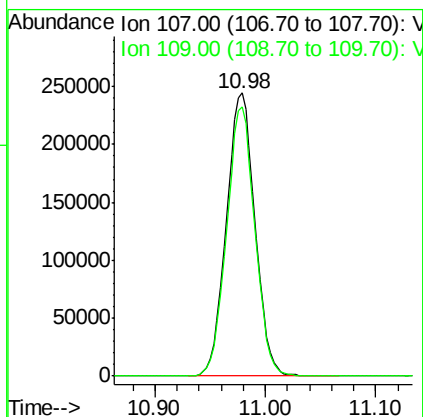
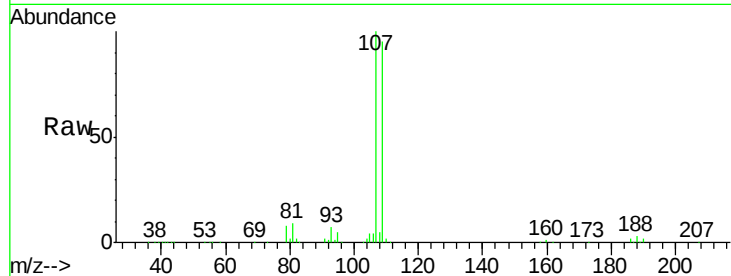




#54
1,2-Dibromoethane
Concen: 159.265 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

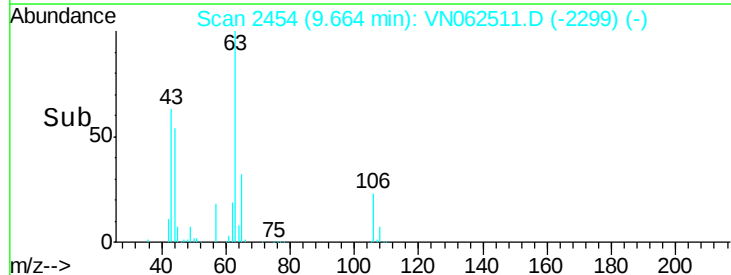
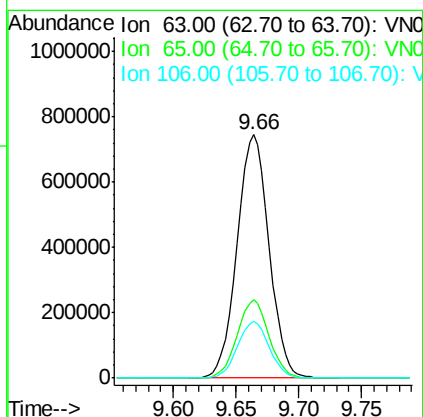
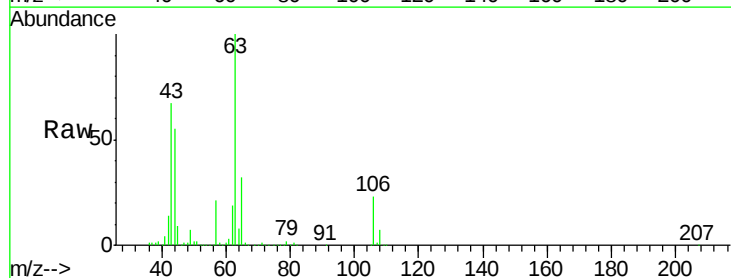
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

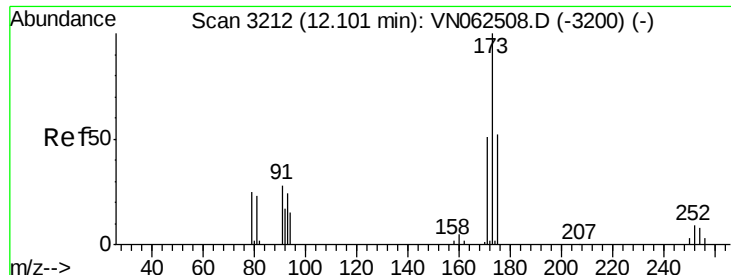
Tgt Ion: 107 Resp: 438963
Ion Ratio Lower Upper
107 100
109 94.1 74.8 112.2



#55
2-Chloroethyl vinyl ether
Concen: 974.690 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 63 Resp: 1318120
Ion Ratio Lower Upper
63 100
65 32.1 25.4 38.2
106 23.2 18.4 27.6

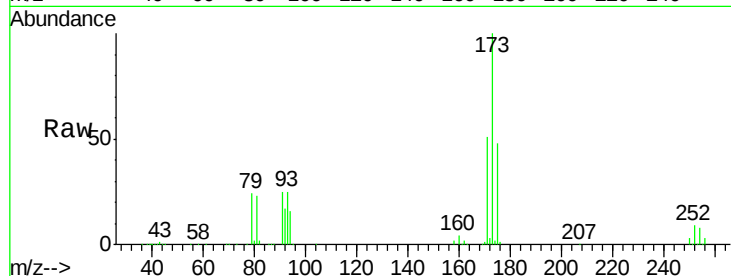




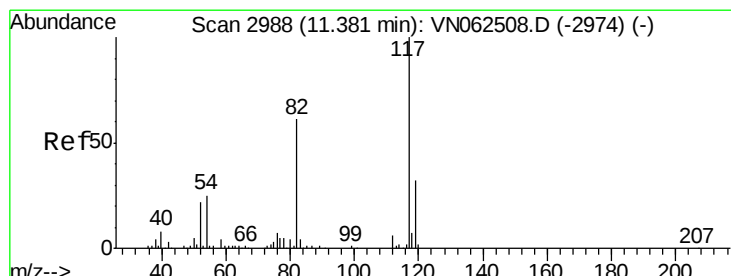
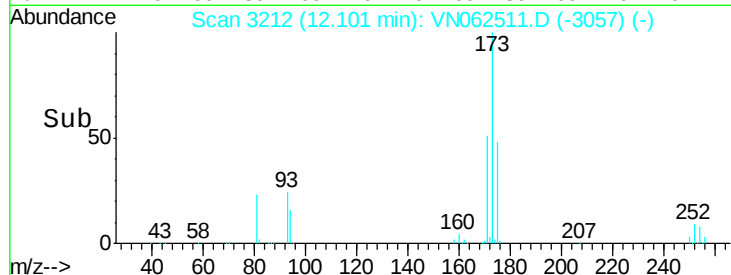
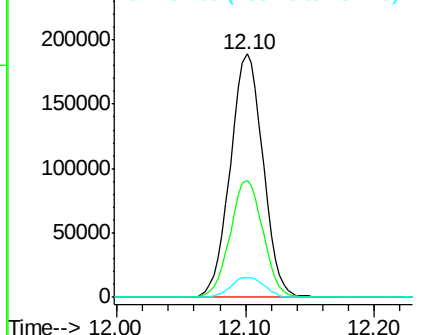
#56
Bromoform
Concen: 154.276 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:173 Resp: 333219
Ion Ratio Lower Upper
173 100
175 48.4 38.1 57.1
254 8.5 6.2 9.2

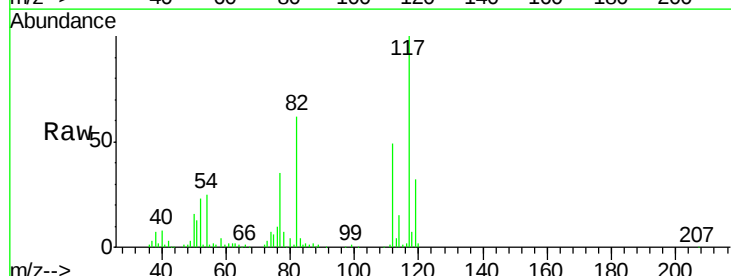


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

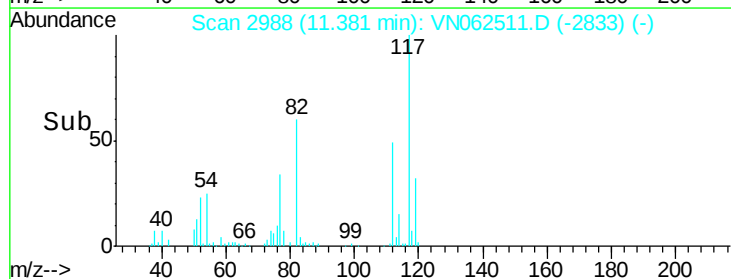
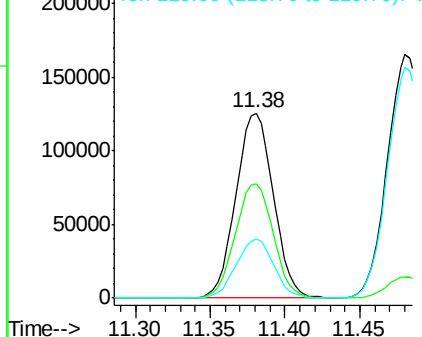


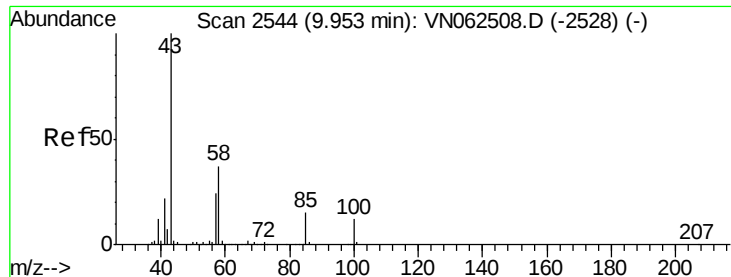
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion:117 Resp: 219580
Ion Ratio Lower Upper
117 100
82 62.5 49.0 73.6
119 32.0 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

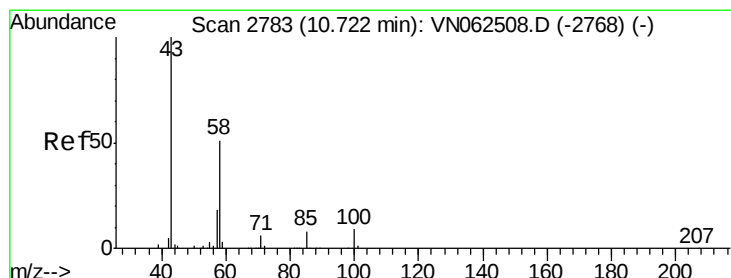
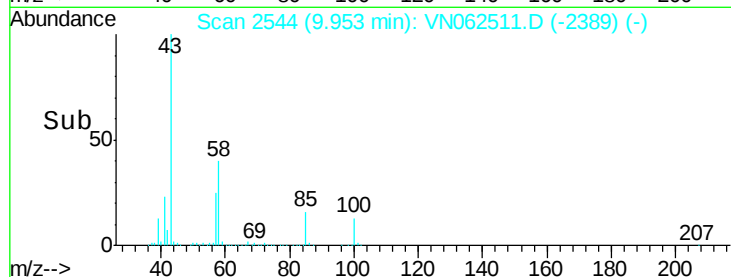
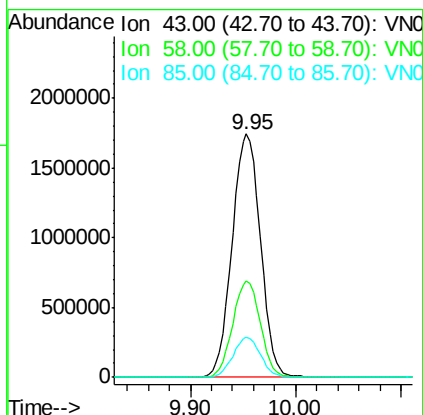
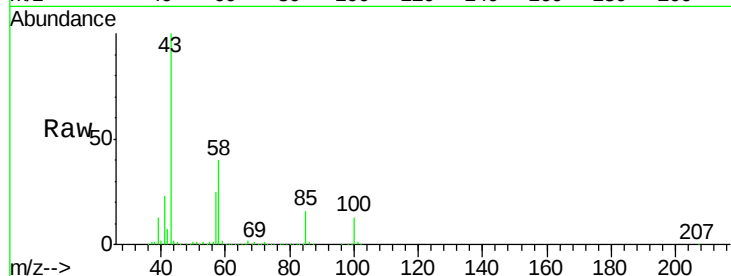




#58
 4-Methyl-2-Pentanone
 Concen: 1181.058 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

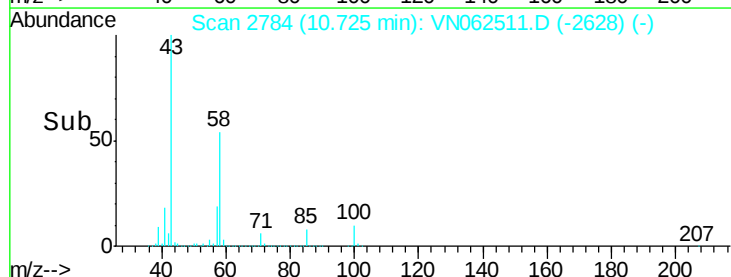
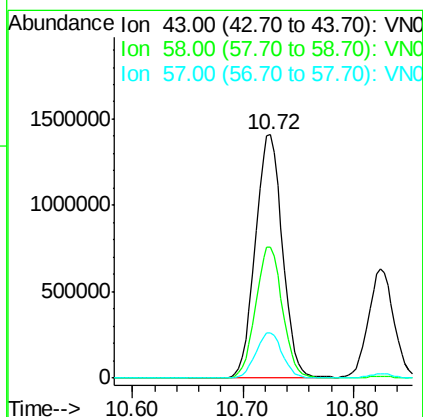
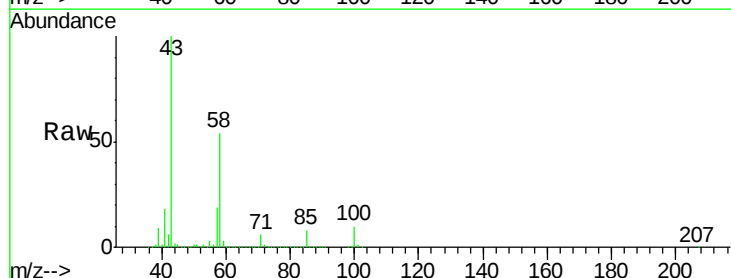
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

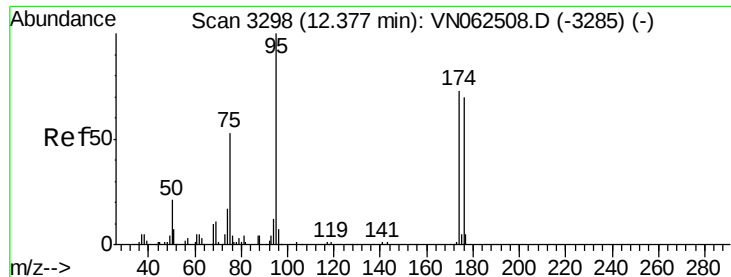
Tgt Ion: 43 Resp: 3243161
 Ion Ratio Lower Upper
 43 100
 58 38.7 29.6 44.4
 85 15.9 12.0 18.0



#59
 2-Hexanone
 Concen: 1200.010 ug/l
 RT: 10.72 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 43 Resp: 2405615
 Ion Ratio Lower Upper
 43 100
 58 53.3 41.2 61.8
 57 18.5 14.4 21.6





#60

4-Bromofluorobenzene

Concen: 35.330 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

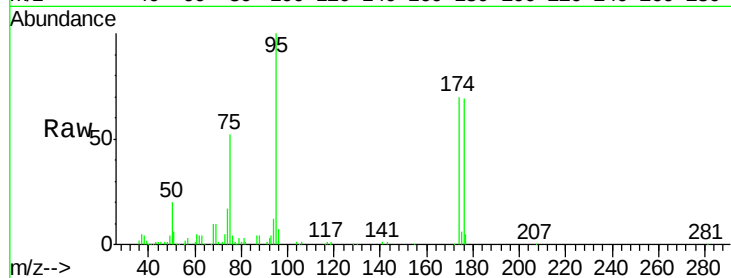
Tgt Ion: 95 Resp: 117729

Ion Ratio Lower Upper

95 100

174 70.9 57.5 86.3

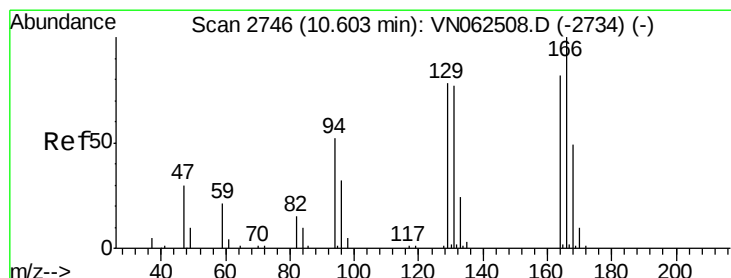
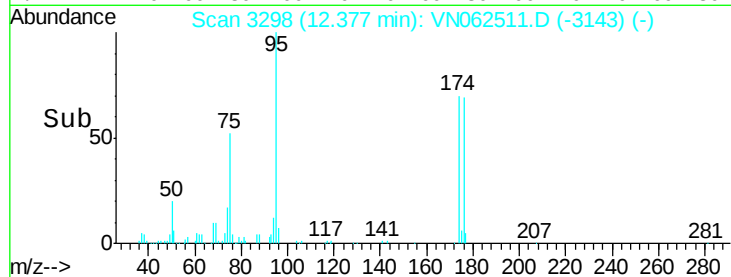
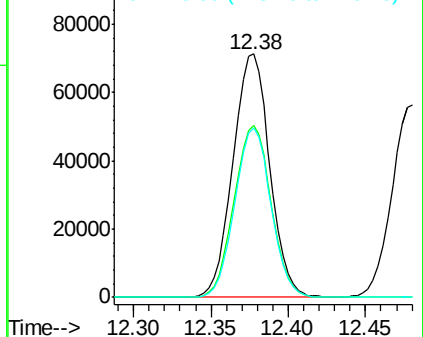
176 68.4 56.3 84.5



Abundance Ion 95.00 (94.70 to 95.70): VN062511.D (-3143) (-)

Ion 174.00 (173.70 to 174.70): VN062511.D (-3143) (-)

Ion 176.00 (175.70 to 176.70): VN062511.D (-3143) (-)



#61

Tetrachloroethene

Concen: 106.841 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Tgt Ion: 164 Resp: 339566

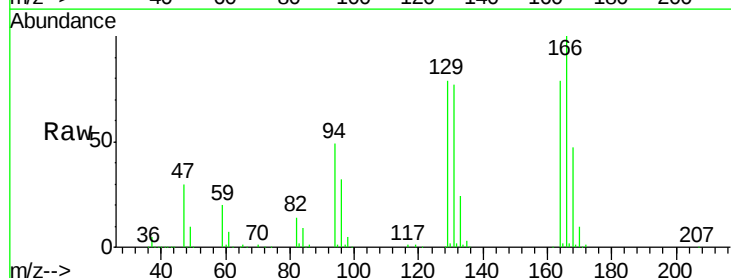
Ion Ratio Lower Upper

164 100

166 127.1 97.7 146.5

129 100.0 77.0 115.4

131 97.2 75.0 112.6

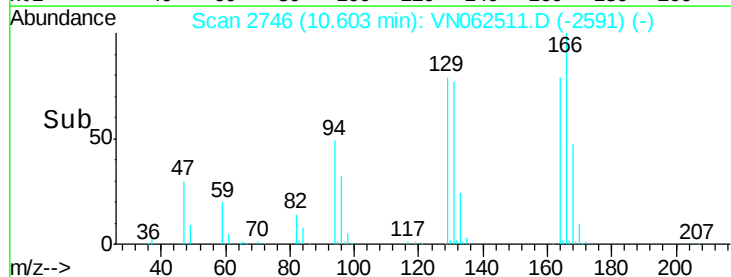
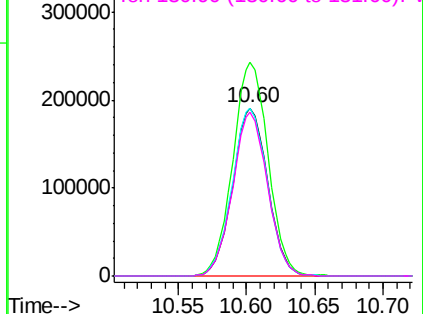


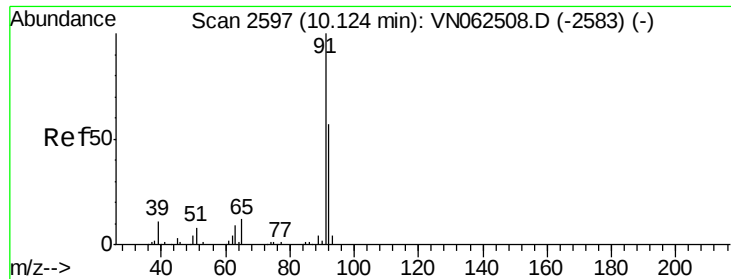
Abundance Ion 163.85 (163.55 to 164.55): VN062511.D (-2591) (-)

Ion 165.80 (165.50 to 166.50): VN062511.D (-2591) (-)

Ion 128.90 (128.60 to 129.60): VN062511.D (-2591) (-)

Ion 130.90 (130.60 to 131.60): VN062511.D (-2591) (-)





#62

Toluene

Concen: 164.949 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

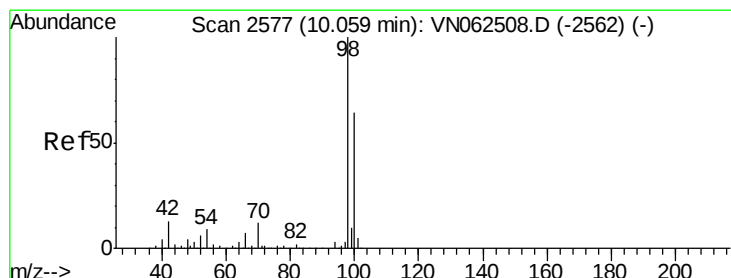
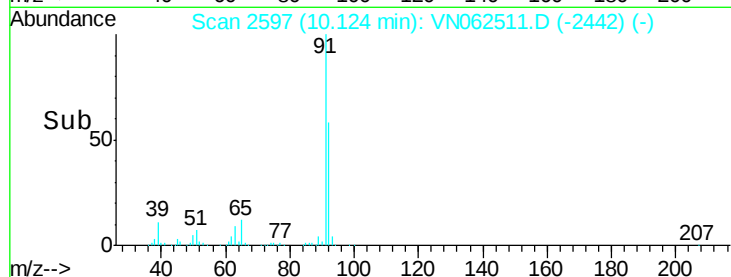
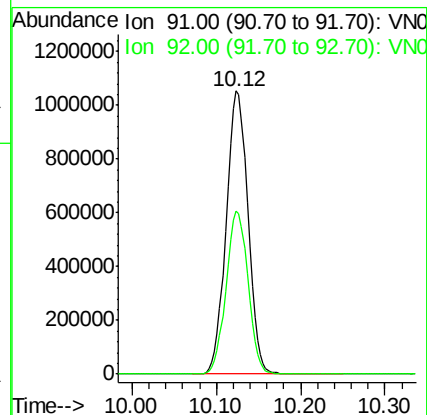
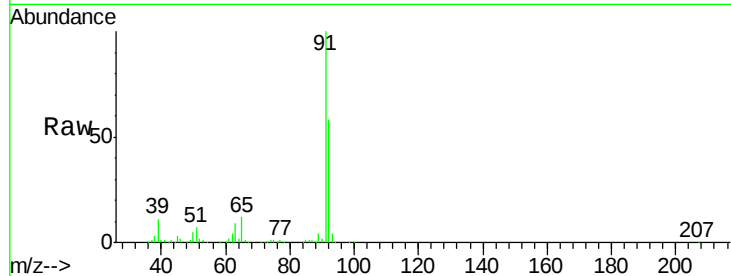
VSTDIC150

Tgt Ion: 91 Resp: 1897795

Ion Ratio Lower Upper

91 100

92 57.9 45.8 68.6



#63

Toluene-d8

Concen: 32.271 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062511.D

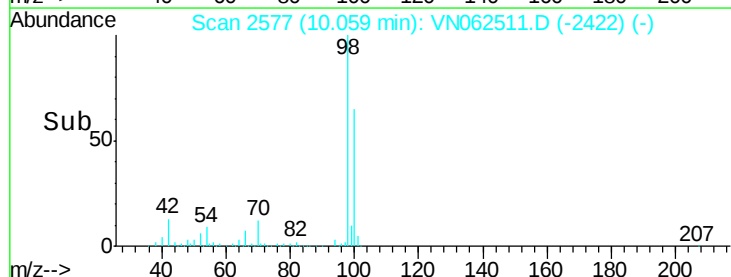
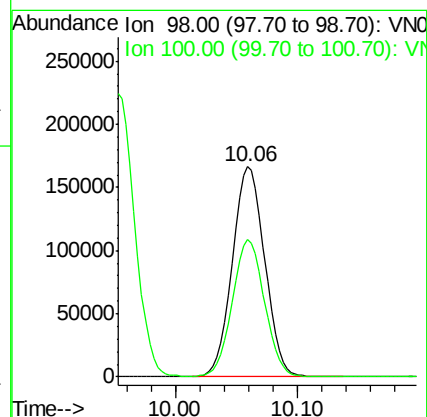
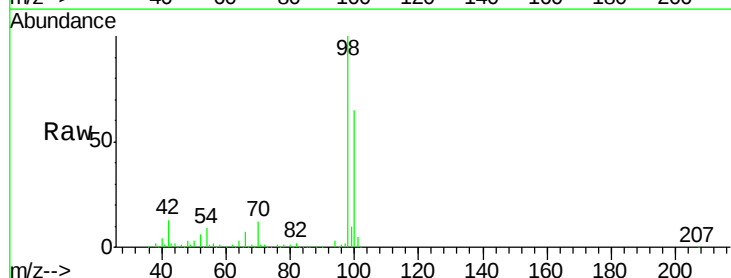
Acq: 13 Jul 2020 11:12

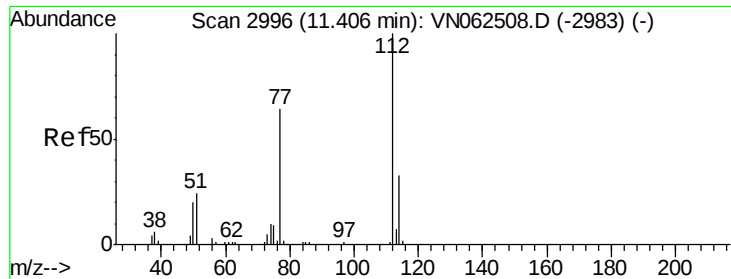
Tgt Ion: 98 Resp: 308193

Ion Ratio Lower Upper

98 100

100 64.5 50.4 75.6

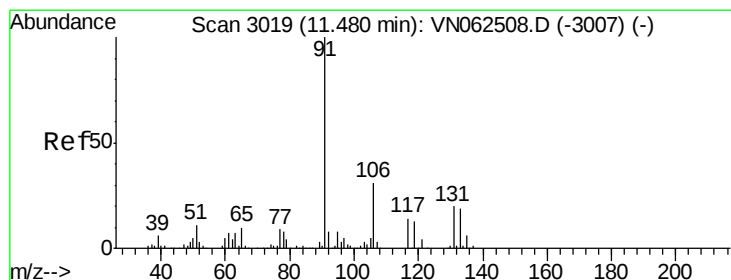
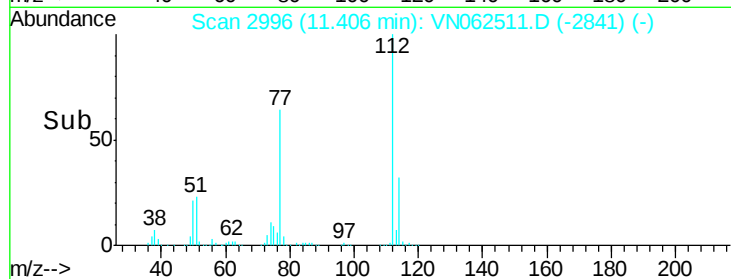
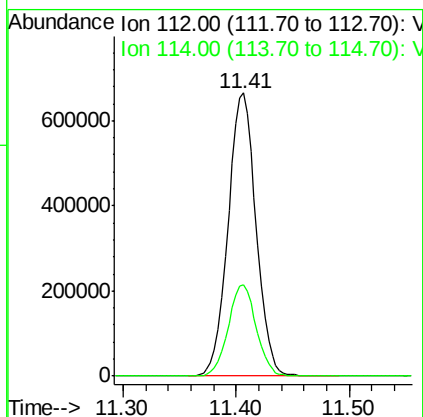
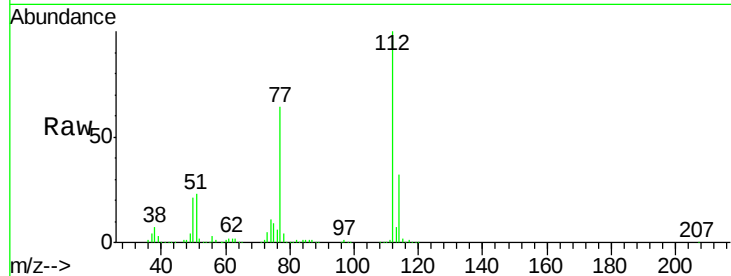




#64
Chlorobenzene
Concen: 157.726 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

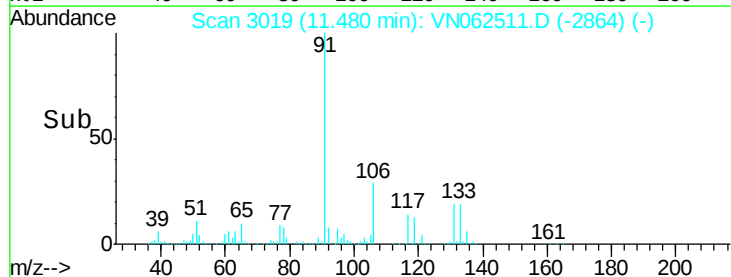
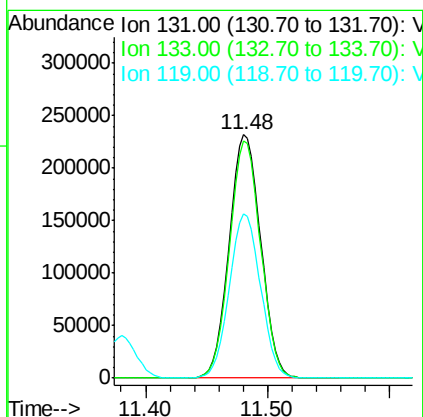
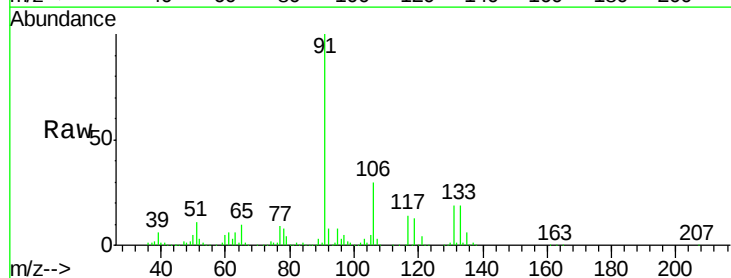
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

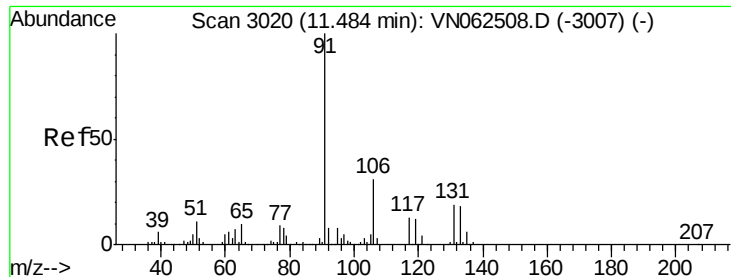
Tgt Ion:112 Resp: 1141684
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#65
1,1,1,2-Tetrachloroethane
Concen: 151.355 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion:131 Resp: 417180
Ion Ratio Lower Upper
131 100
133 96.2 0.0 191.4
119 66.9 0.0 136.2





#66

Ethyl Benzene

Concen: 171.577 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

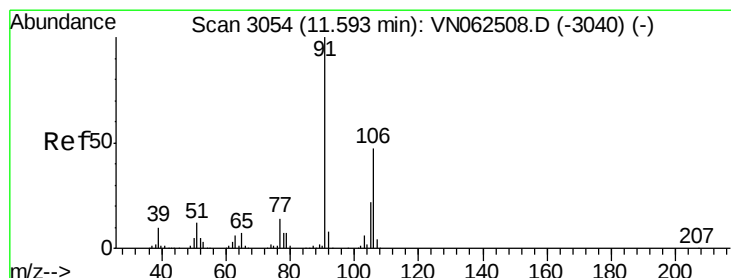
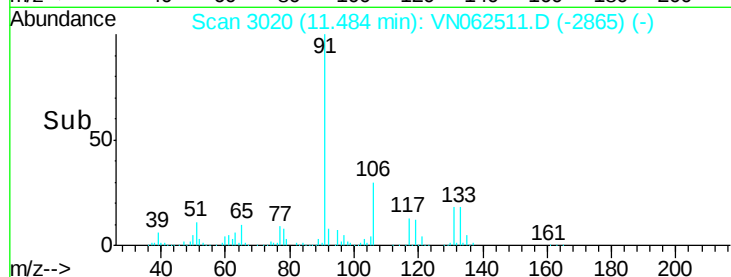
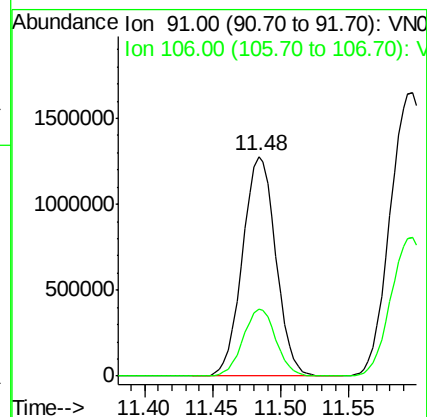
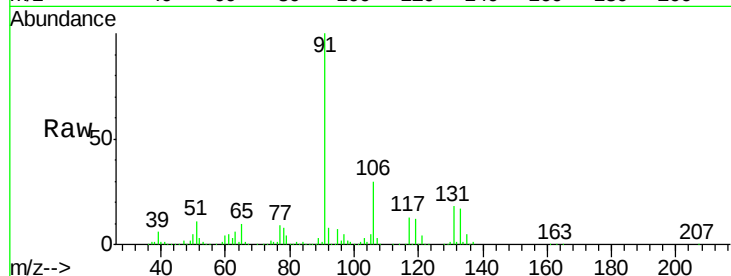
VSTDIC150

Tgt Ion: 91 Resp: 2166388

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8



#67

m/p-Xylenes

Concen: 322.533 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062511.D

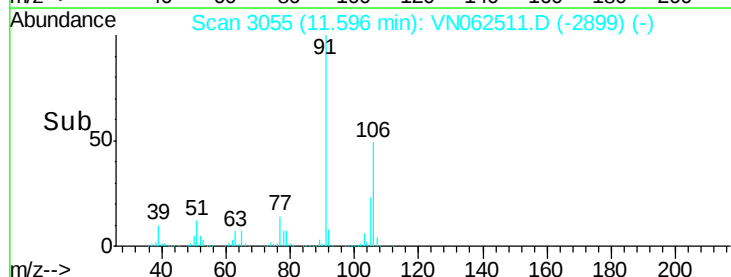
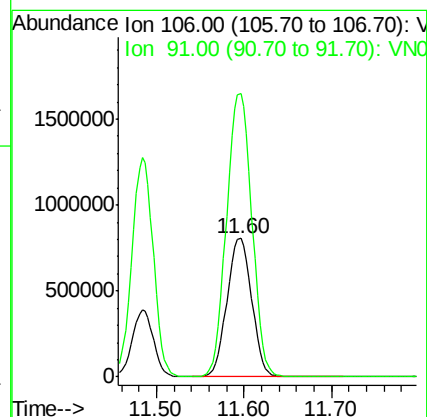
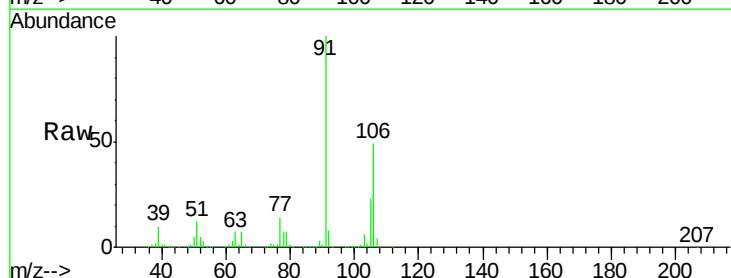
Acq: 13 Jul 2020 11:12

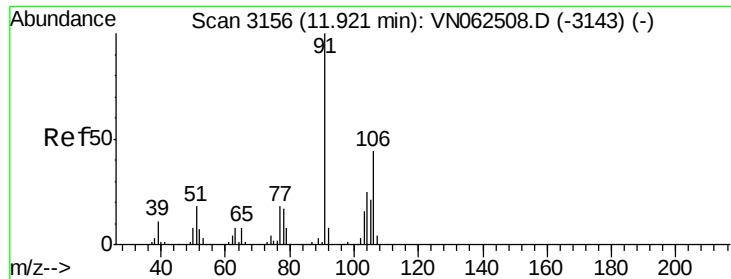
Tgt Ion: 106 Resp: 1584959

Ion Ratio Lower Upper

106 100

91 209.0 170.7 256.1

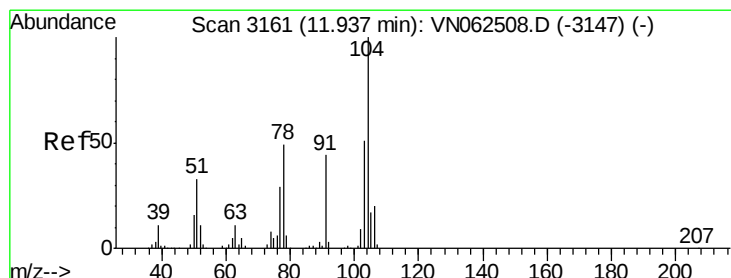
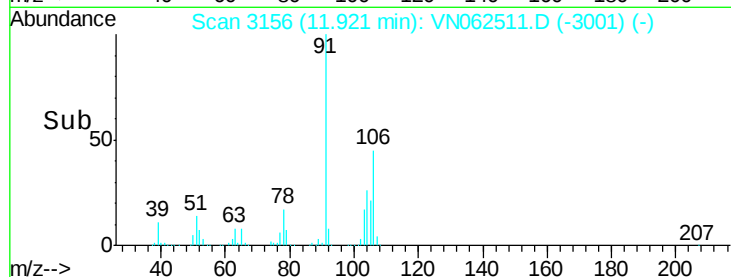
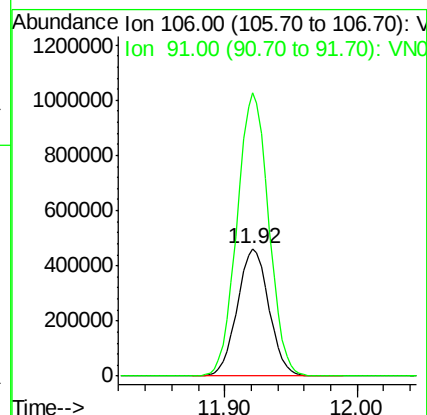
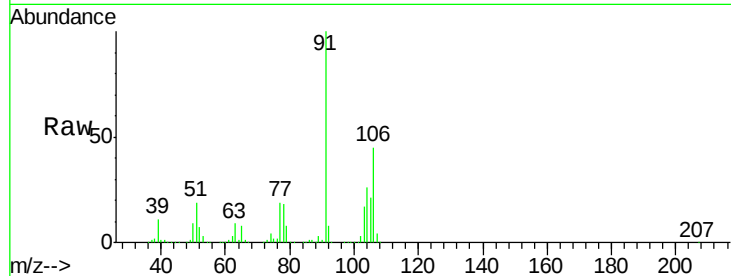




#68
o-Xylene
Concen: 164.252 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

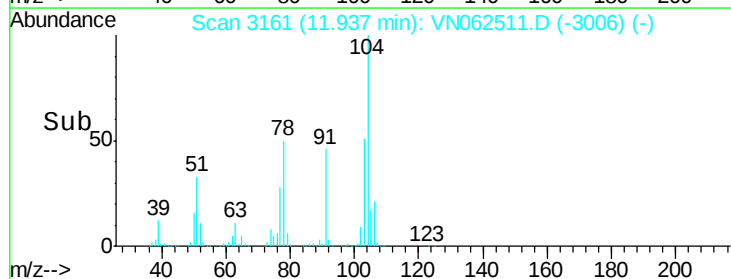
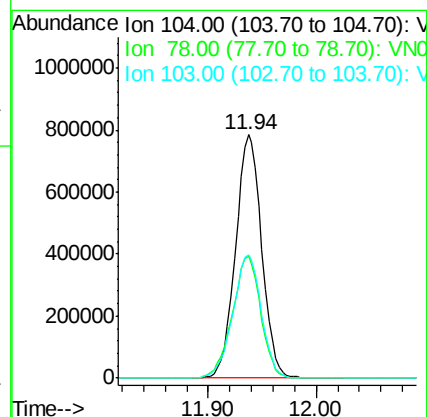
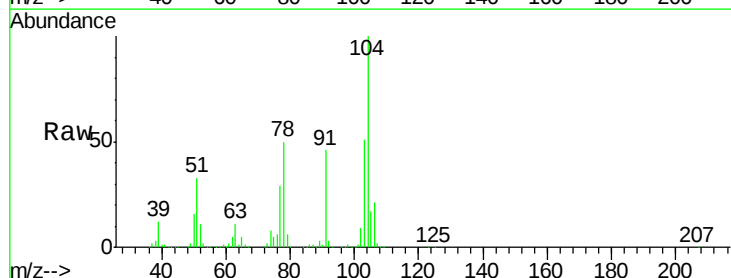
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

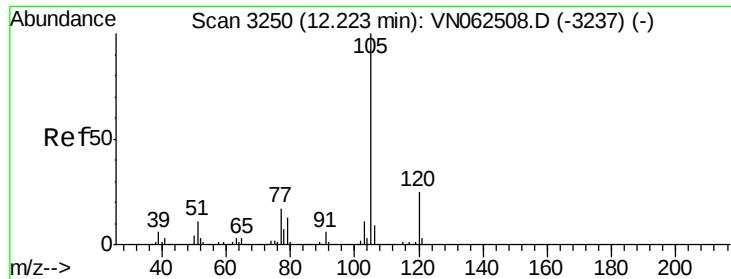
Tgt Ion:106 Resp: 764982
Ion Ratio Lower Upper
106 100
91 222.6 113.9 341.6



#69
Styrene
Concen: 167.225 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion:104 Resp: 1325107
Ion Ratio Lower Upper
104 100
78 54.4 43.9 65.9
103 54.9 43.8 65.6





#70

Isopropylbenzene

Concen: 164.296 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

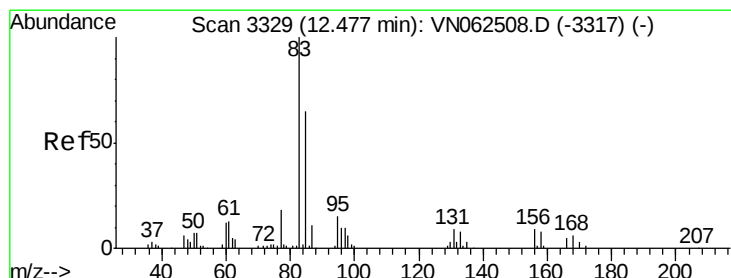
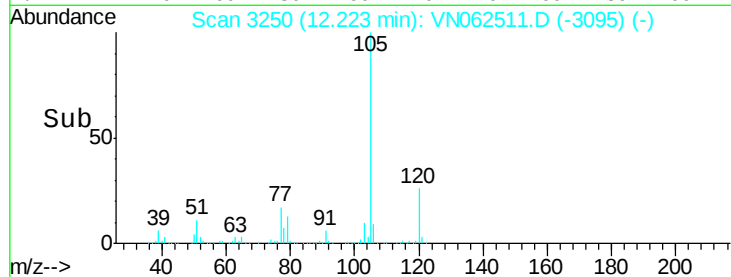
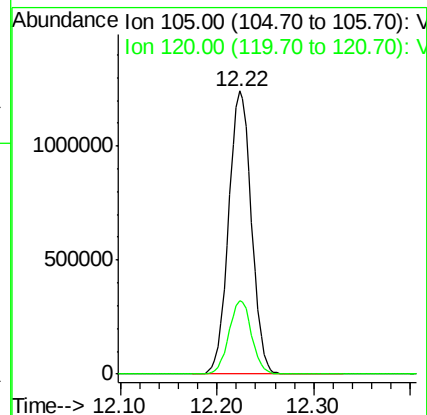
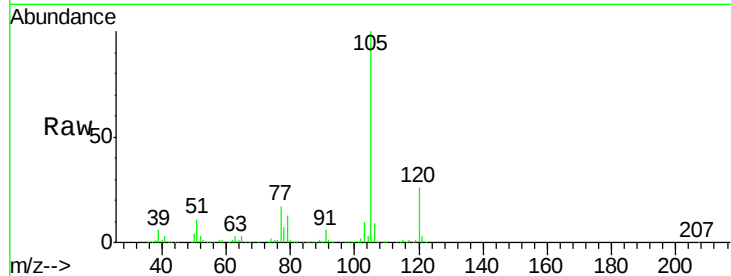
VSTDIC150

Tgt Ion:105 Resp: 2031281

Ion Ratio Lower Upper

105 100

120 25.8 17.6 32.8



#71

1,1,2,2-Tetrachloroethane

Concen: 186.053 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

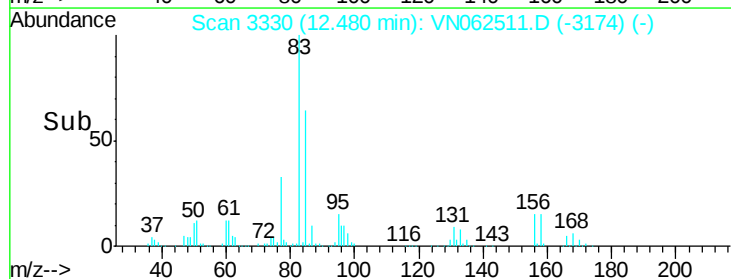
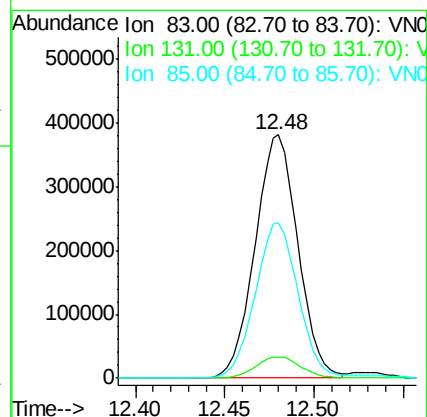
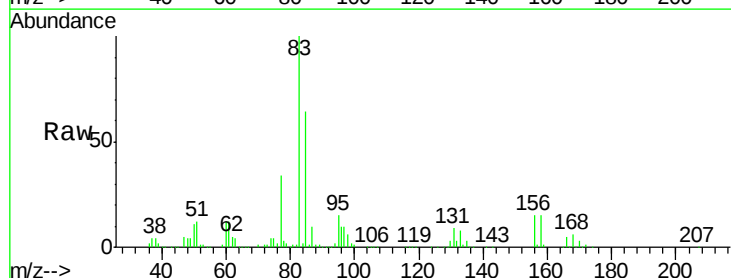
Tgt Ion: 83 Resp: 640059

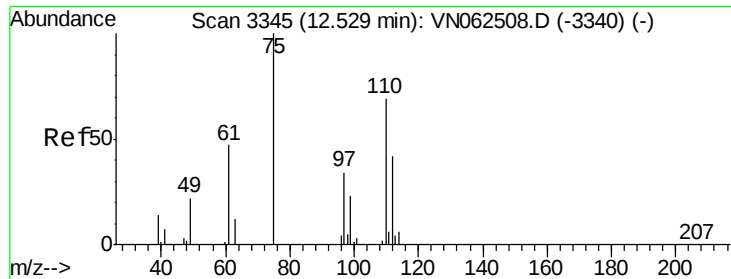
Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.7

85 63.9 32.5 97.4





#72

1,2,3-Trichloropropane

Concen: 274.860 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

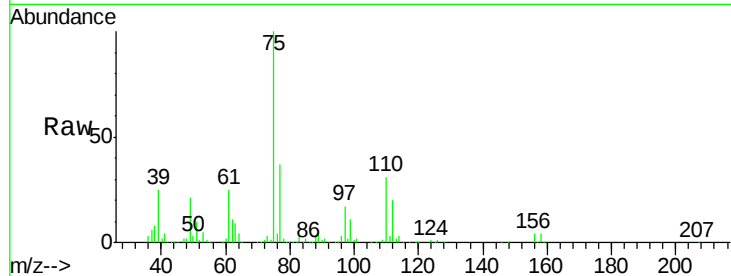
VSTDIC150

Tgt Ion: 75 Resp: 882710

Ion Ratio Lower Upper

75 100

77 130.5 0.0 376.2



Abundance Ion 75.00 (74.70 to 75.70): VN062508.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN062508.D (-3340) (-)

12.53

600000

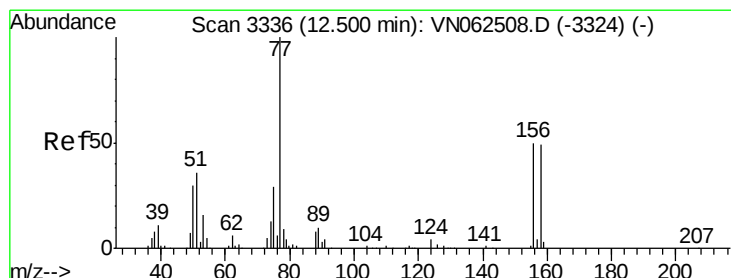
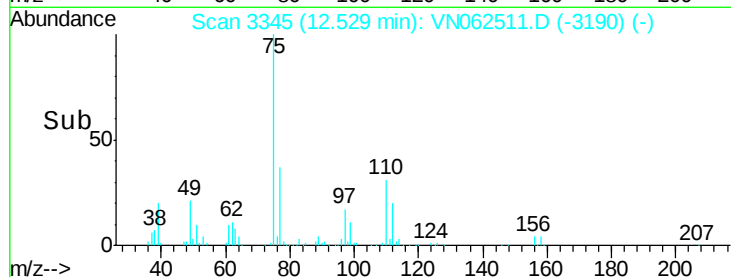
400000

200000

0

12.40 12.50 12.60

Time-->



#73

Bromobenzene

Concen: 145.587 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

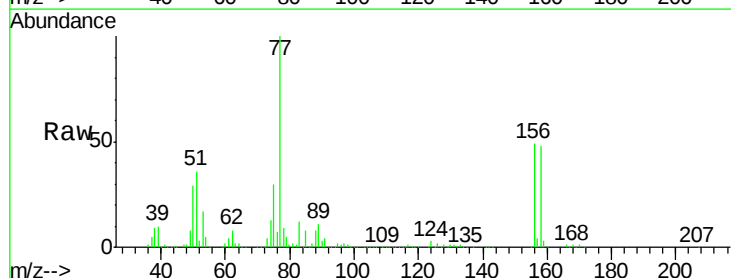
Tgt Ion: 156 Resp: 472430

Ion Ratio Lower Upper

156 100

77 243.8 0.0 485.0

158 97.4 0.0 192.6



Abundance Ion 156.00 (155.70 to 156.70): VN062508.D (-3324) (-)

Ion 77.00 (76.70 to 77.70): VN062508.D (-3324) (-)

Ion 158.00 (157.70 to 158.70): VN062508.D (-3324) (-)

12.50

800000

600000

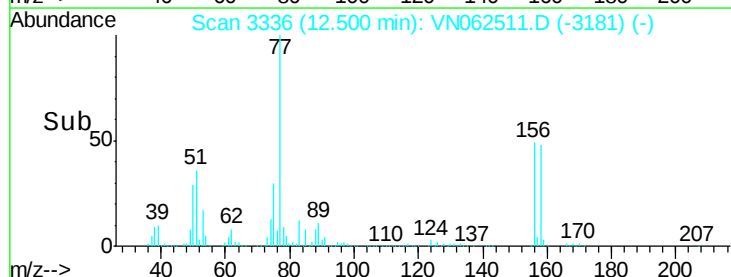
400000

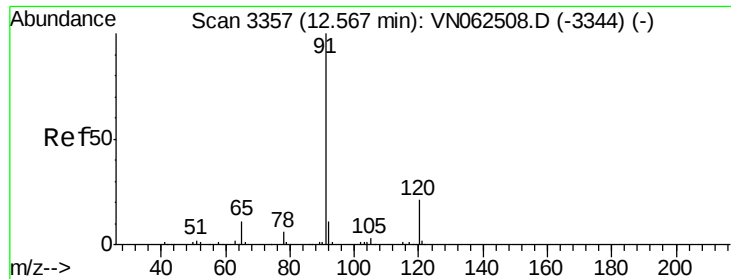
200000

0

12.40 12.50 12.60

Time-->





#74

n-propylbenzene

Concen: 176.000 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

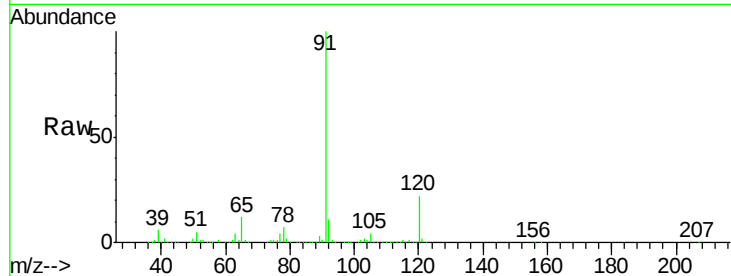
VSTDIC150

Tgt Ion: 91 Resp: 2472923

Ion Ratio Lower Upper

91 100

120 21.9 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN062511.D (-3202) (-)

Ion 120.00 (119.70 to 120.70): VN062511.D (-3202) (-)

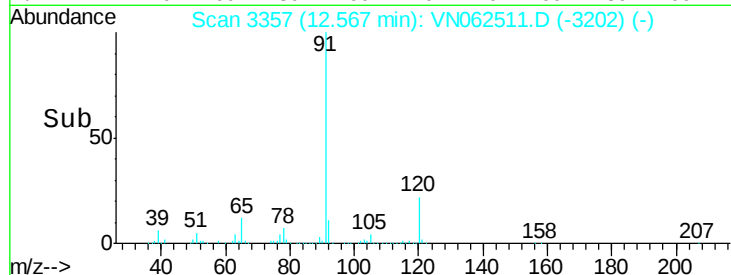
1500000

1000000

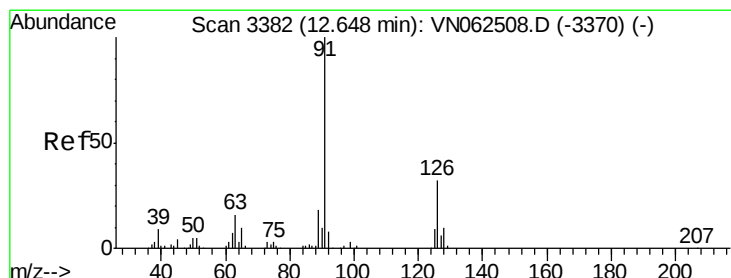
500000

0

12.50 12.55 12.60



Time-->



#75

2-Chlorotoluene

Concen: 176.131 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062511.D

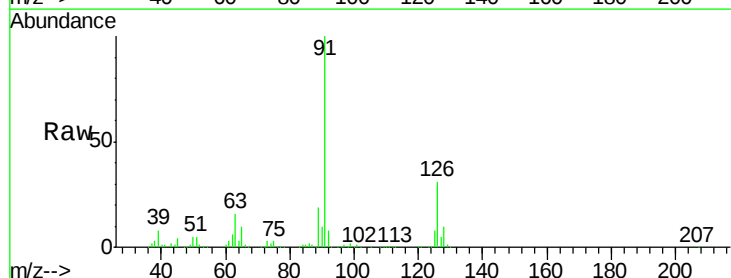
Acq: 13 Jul 2020 11:12

Tgt Ion: 91 Resp: 1473549

Ion Ratio Lower Upper

91 100

126 31.2 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062511.D (-3227) (-)

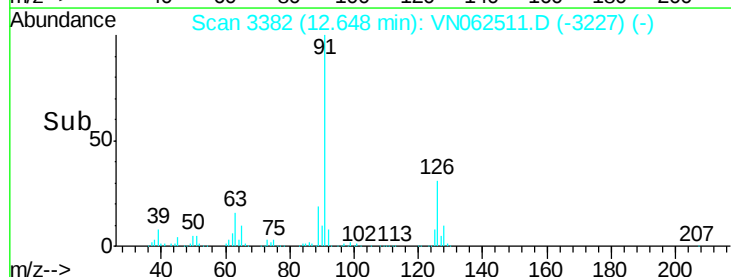
Ion 126.00 (125.70 to 126.70): VN062511.D (-3227) (-)

1000000

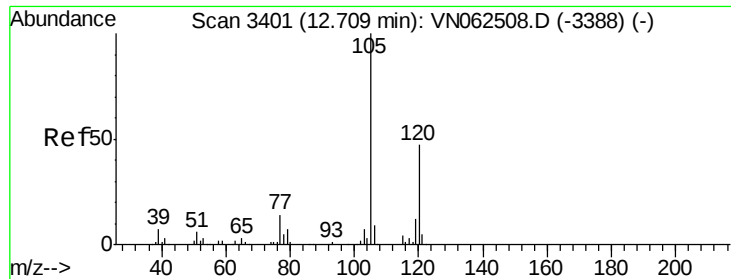
500000

0

12.60 12.65 12.70



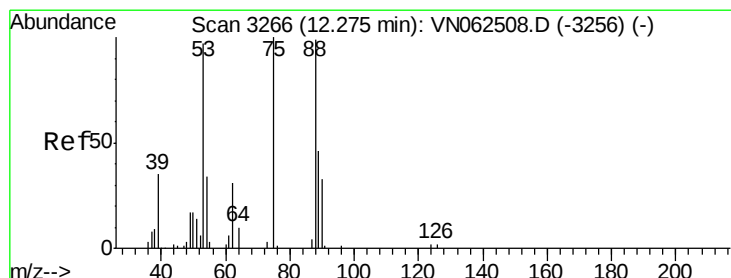
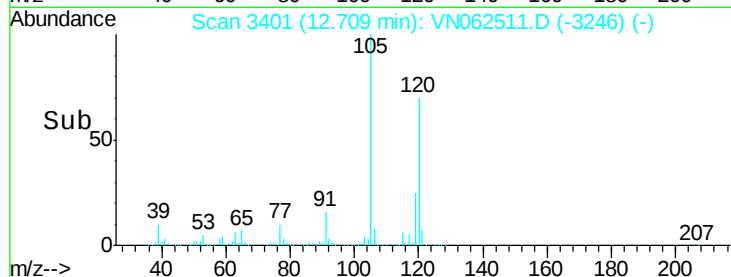
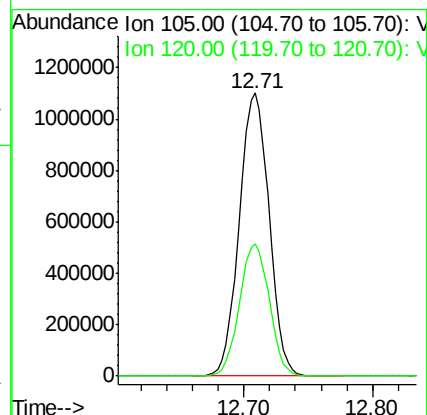
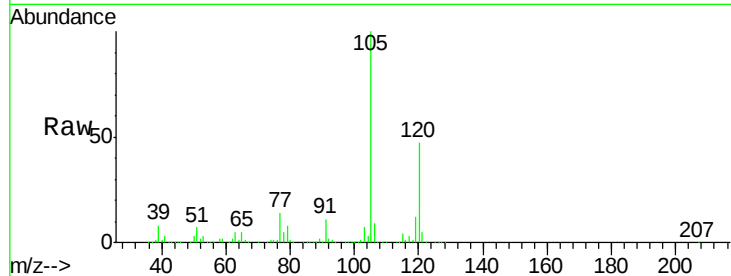
Time-->



#76
 1,3,5-Trimethylbenzene
 Concen: 171.116 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

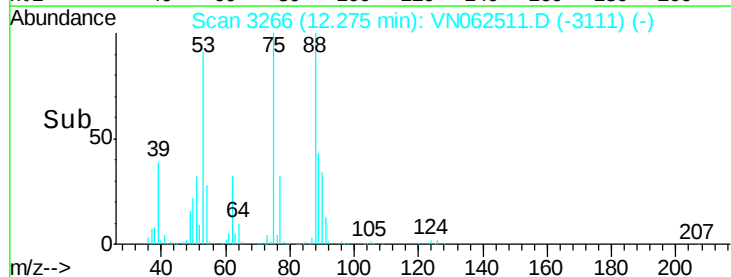
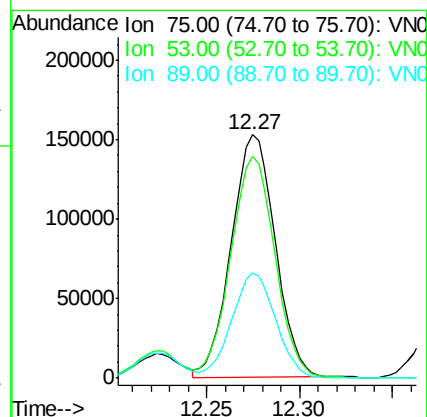
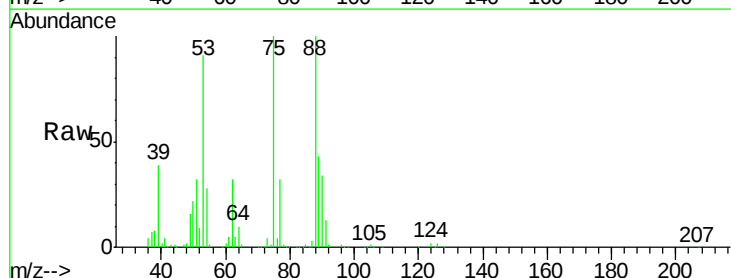
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

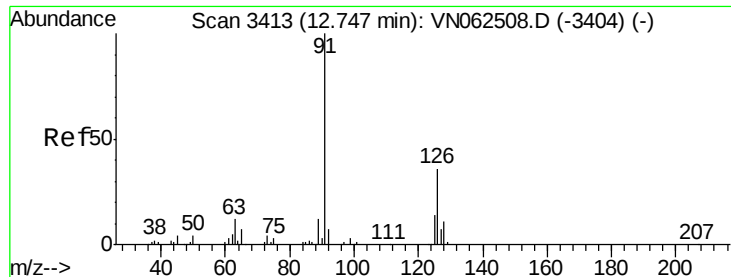
Tgt Ion:105 Resp: 1763786
 Ion Ratio Lower Upper
 105 100
 120 46.9 0.0 95.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 212.322 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 75 Resp: 251219
 Ion Ratio Lower Upper
 75 100
 53 90.9 48.3 144.8
 89 43.1 23.3 69.8





#78

4-Chlorotoluene

Concen: 177.642 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

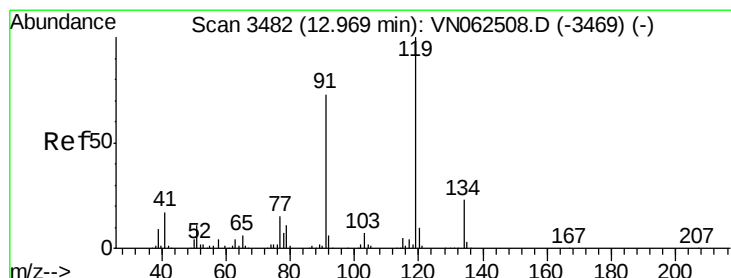
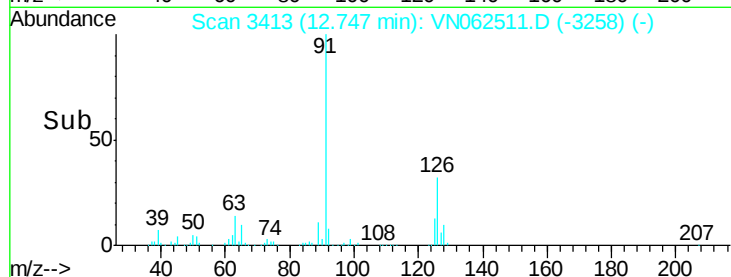
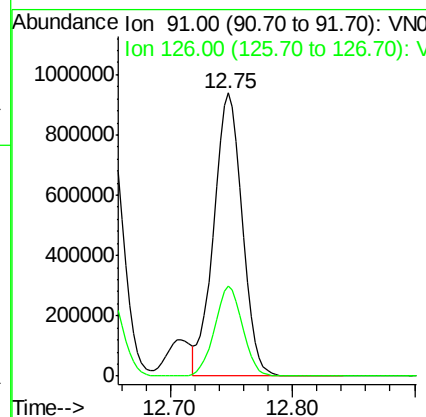
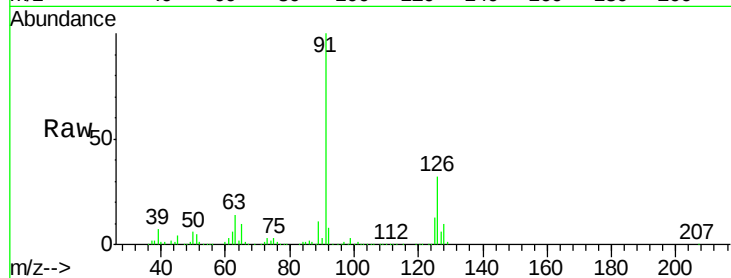
VSTDIC150

Tgt Ion: 91 Resp: 1538141

Ion Ratio Lower Upper

91 100

126 31.1 0.0 62.2



#79

tert-butylbenzene

Concen: 165.964 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

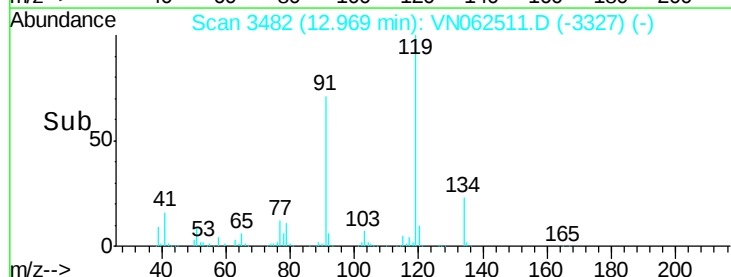
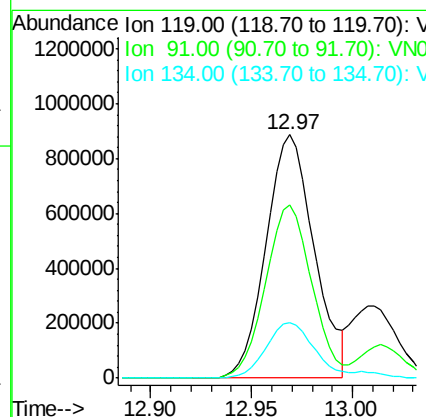
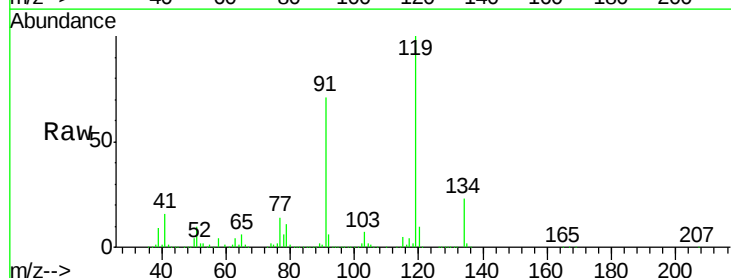
Tgt Ion: 119 Resp: 1475921

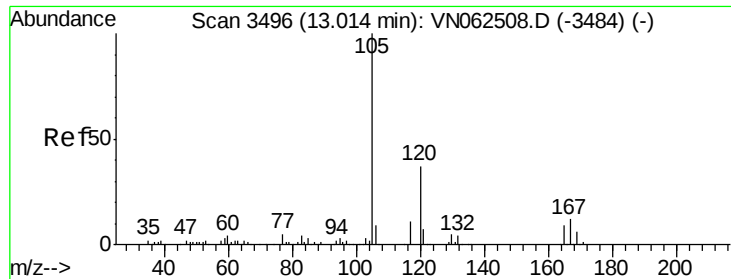
Ion Ratio Lower Upper

119 100

91 68.6 0.0 139.8

134 22.7 0.0 45.0

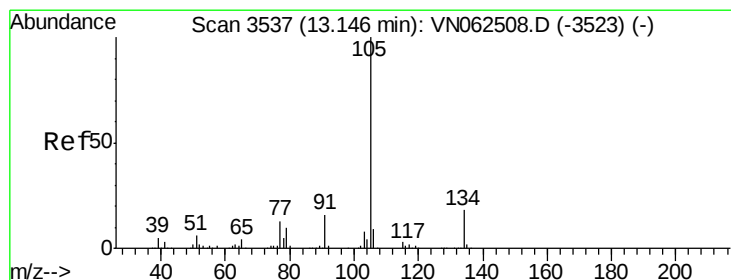
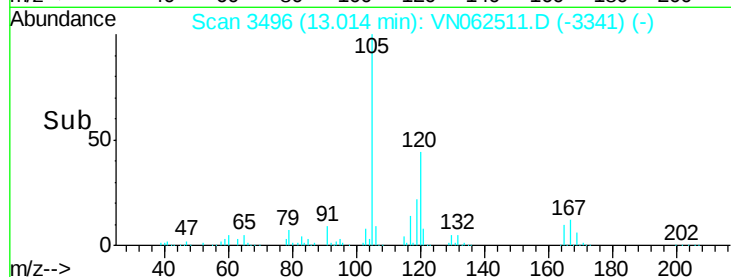
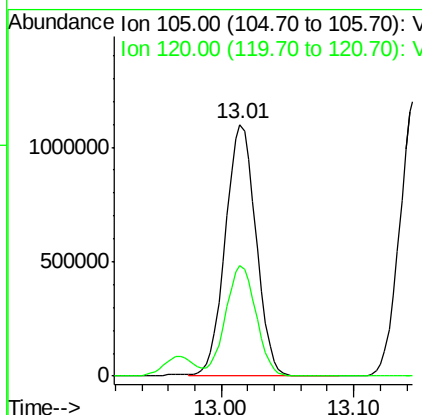
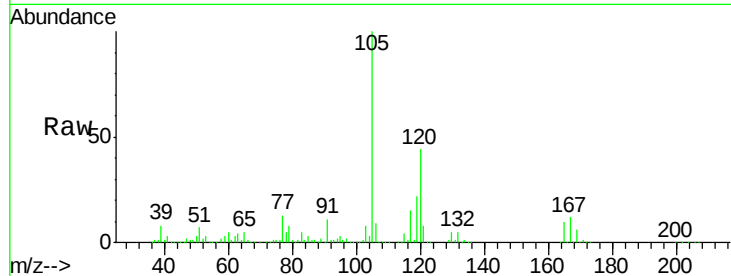




#80
 1,2,4-Trimethylbenzene
 Concen: 170.661 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

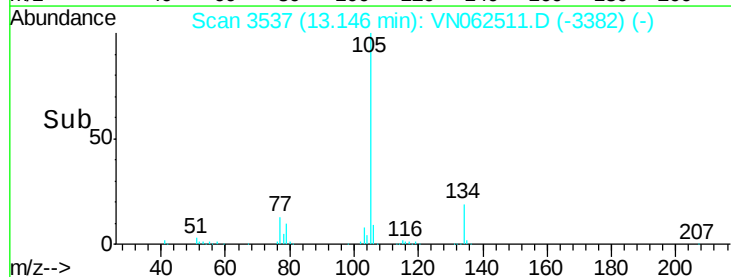
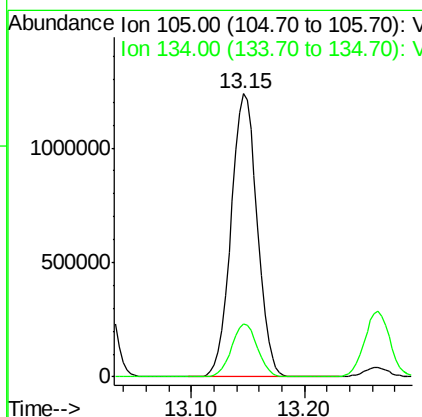
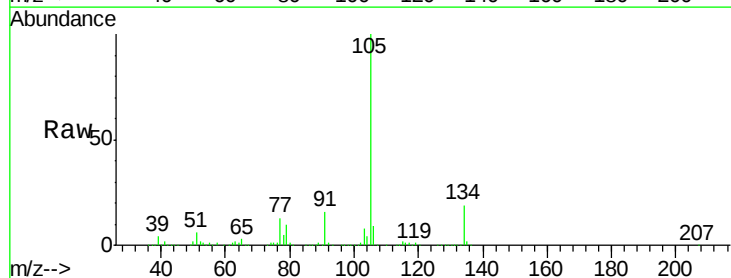
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

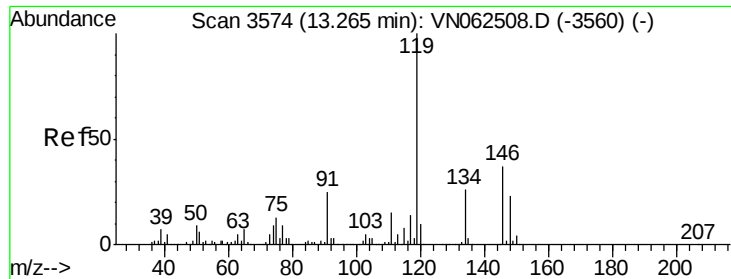
Tgt Ion:105 Resp: 1764498
 Ion Ratio Lower Upper
 105 100
 120 43.9 0.0 86.6



#81
 sec-Butylbenzene
 Concen: 173.002 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion:105 Resp: 1988157
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 37.2

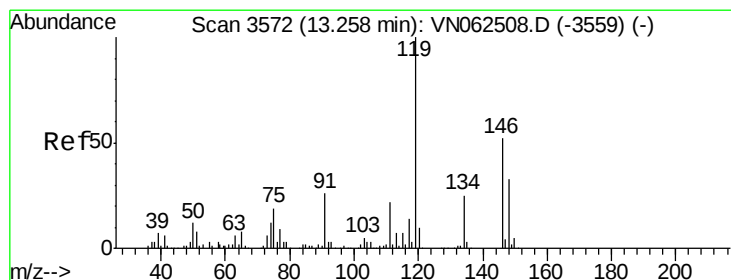
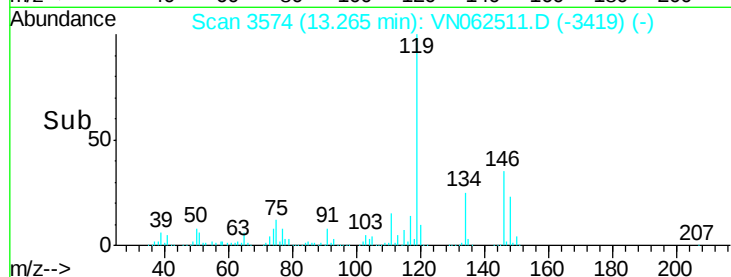
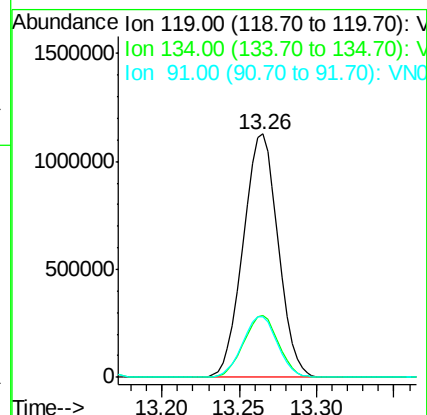
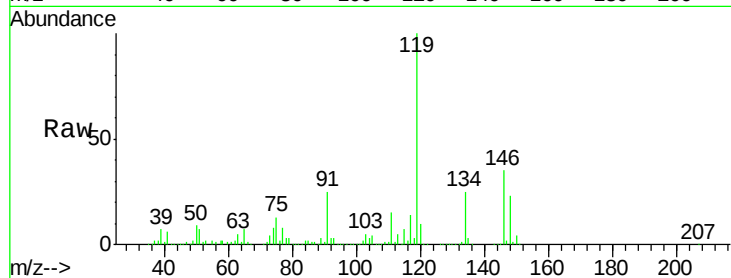




#82
p-Isopropyltoluene
Concen: 167.226 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

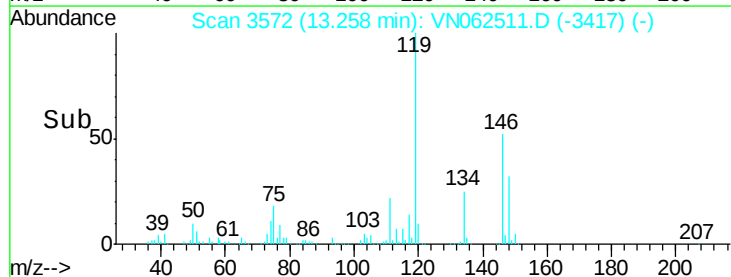
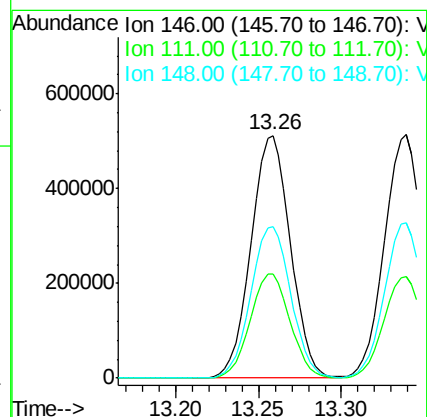
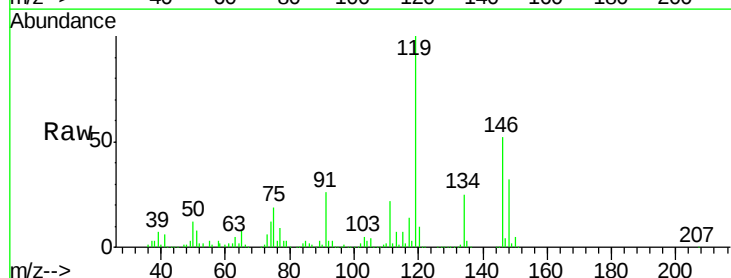
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

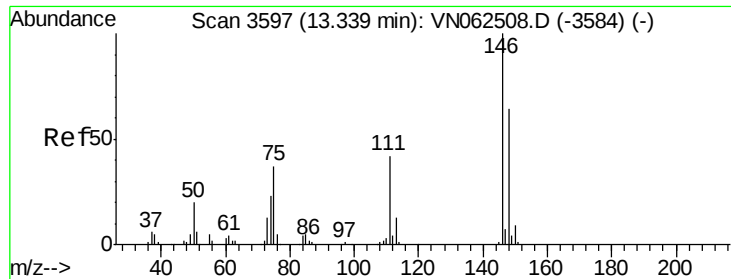
Tgt Ion:119 Resp: 1768234
Ion Ratio Lower Upper
119 100
134 25.5 0.0 50.8
91 25.1 0.0 51.2



#83
1,3-Dichlorobenzene
Concen: 147.262 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion:146 Resp: 846628
Ion Ratio Lower Upper
146 100
111 43.2 21.0 63.0
148 63.5 31.7 95.1

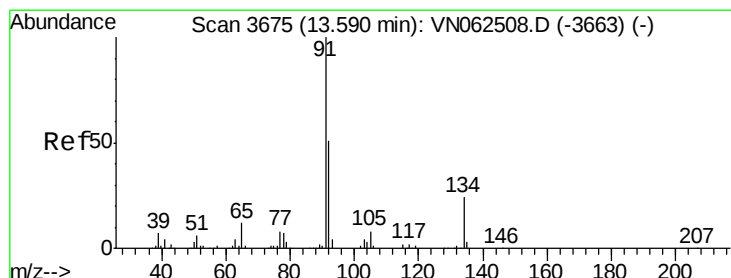
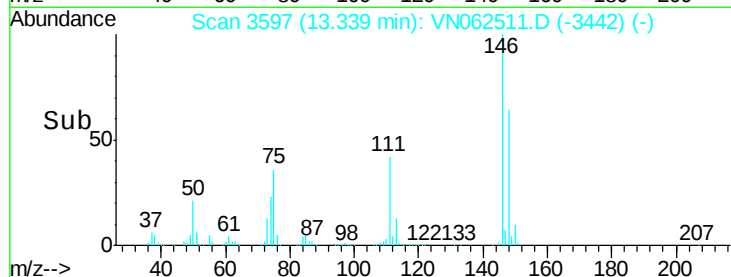
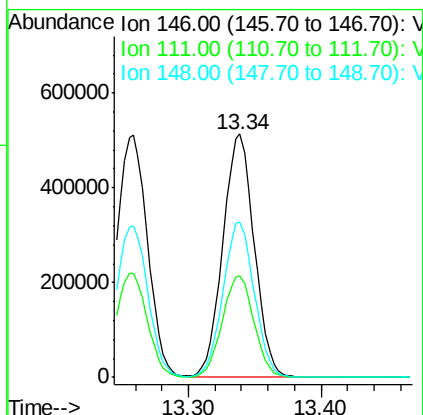
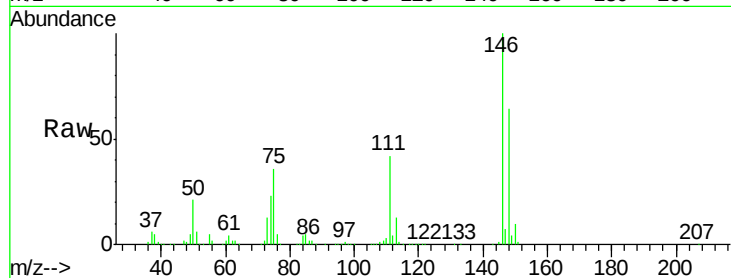




#84
 1,4-Dichlorobenzene
 Concen: 149.635 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

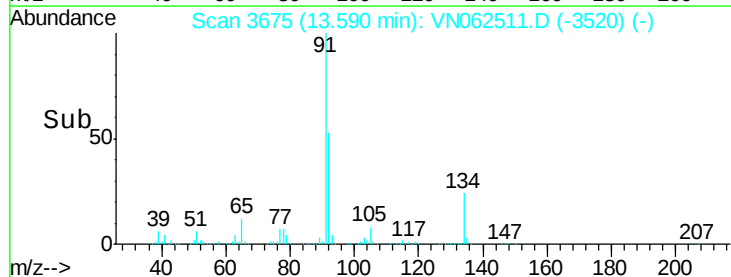
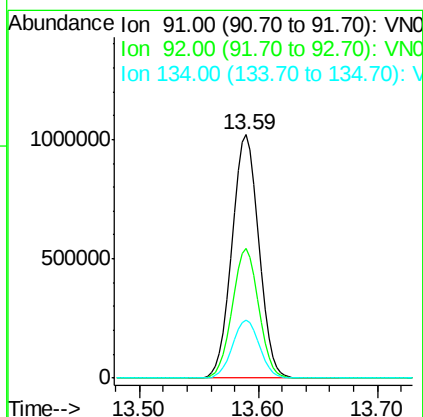
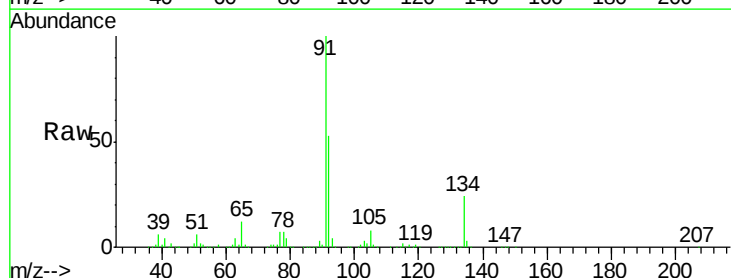
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

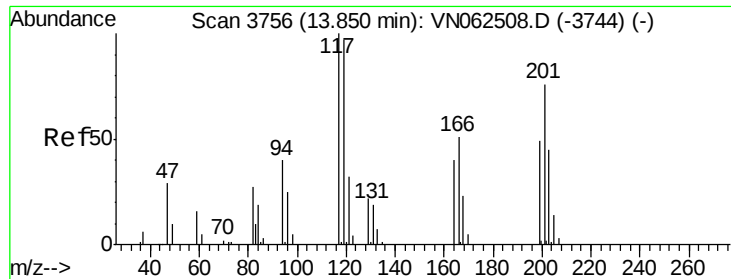
Tgt Ion:146 Resp: 843482
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.4 64.2
 148 63.7 32.4 97.2



#85
 n-Butylbenzene
 Concen: 183.015 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 91 Resp: 1596626
 Ion Ratio Lower Upper
 91 100
 92 52.6 0.0 102.4
 134 24.0 0.0 46.6





#86

Hexachloroethane

Concen: 214.971 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

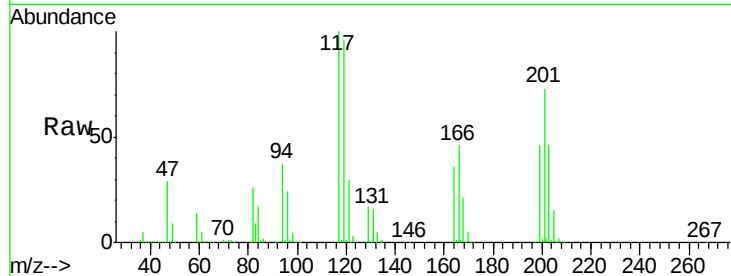
VSTDIC150

Tgt Ion:117 Resp: 339781

Ion Ratio Lower Upper

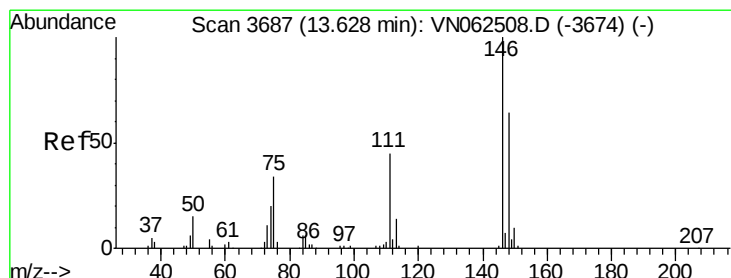
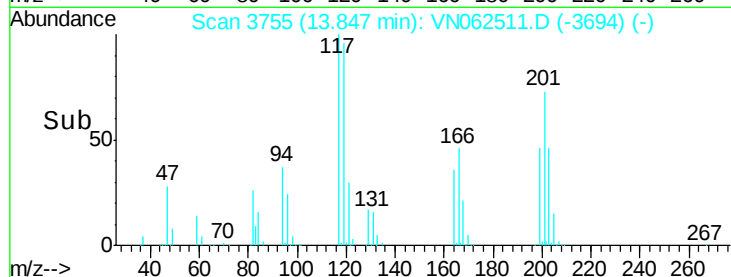
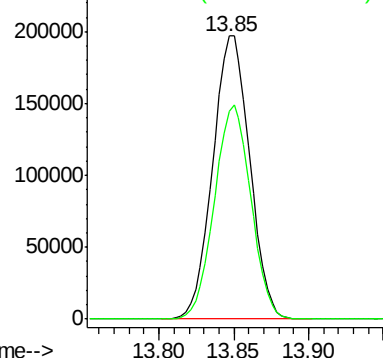
117 100

201 74.6 37.4 112.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 145.460 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062511.D

Acq: 13 Jul 2020 11:12

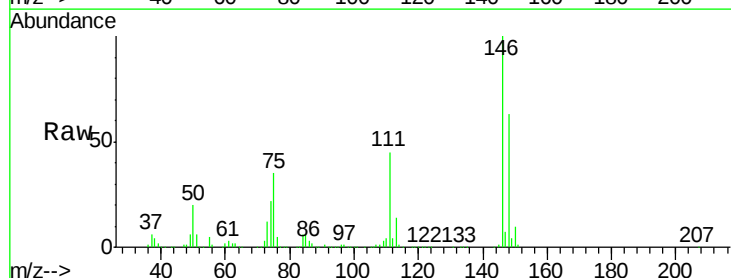
Tgt Ion:146 Resp: 794188

Ion Ratio Lower Upper

146 100

111 44.6 22.4 67.0

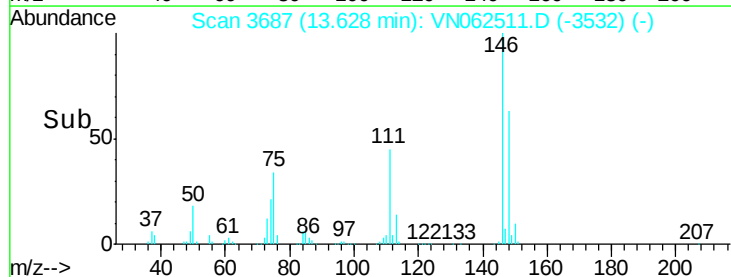
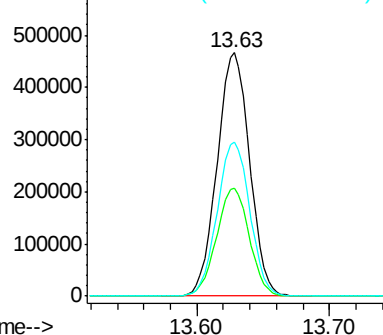
148 63.6 32.1 96.3

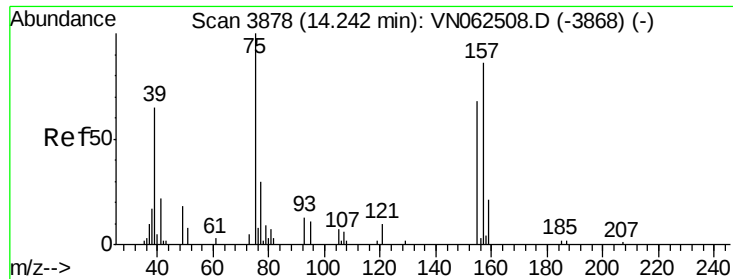


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

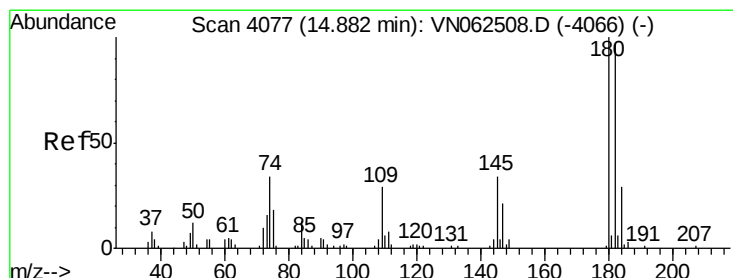
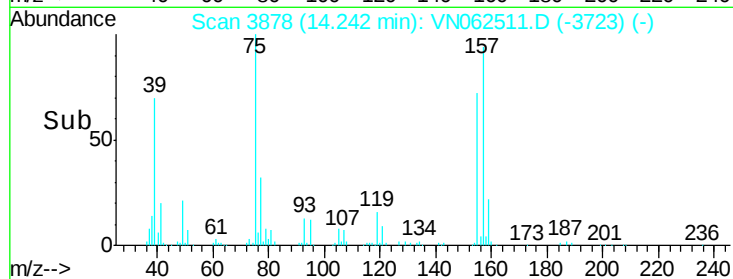
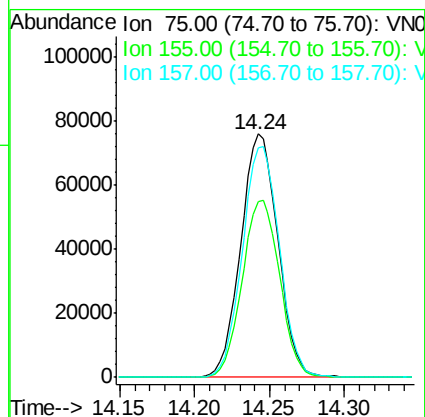
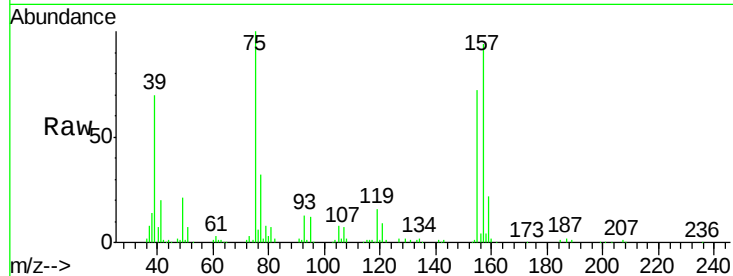




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 204.673 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

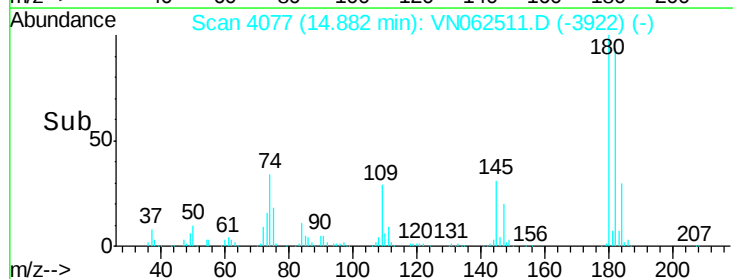
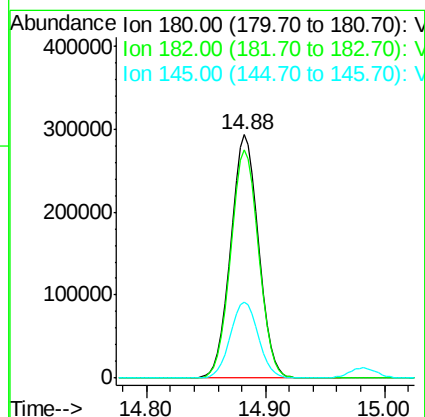
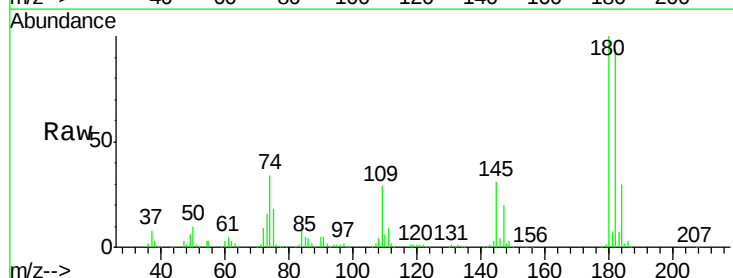
Instrument :
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 ClientSampleId :
 VSTDIC150

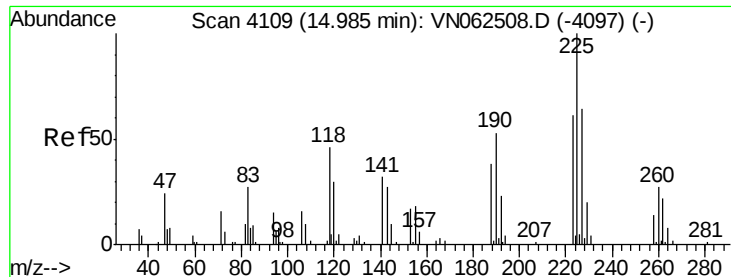
Tgt Ion: 75 Resp: 131814
 Ion Ratio Lower Upper
 75 100
 155 73.2 55.7 83.5
 157 94.9 71.0 106.6



#89
 1,2,4-Trichlorobenzene
 Concen: 152.346 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Tgt Ion: 180 Resp: 474706
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.5 116.3
 145 31.5 26.1 39.1

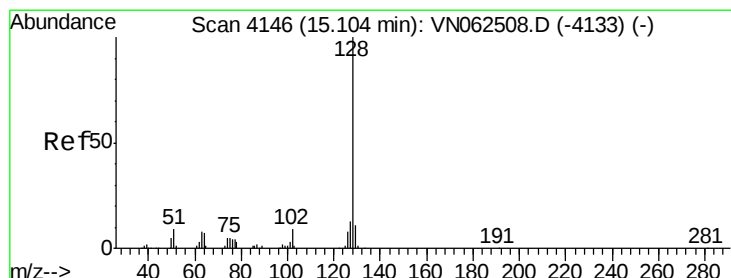
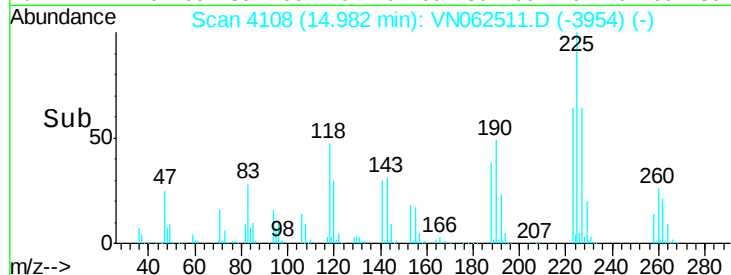
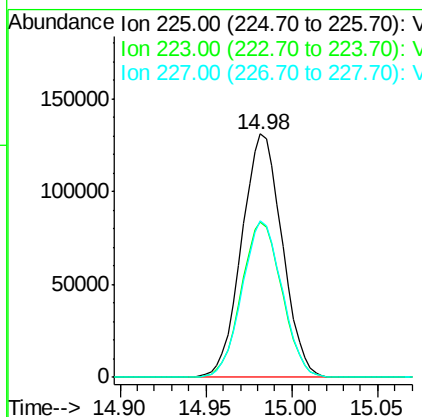
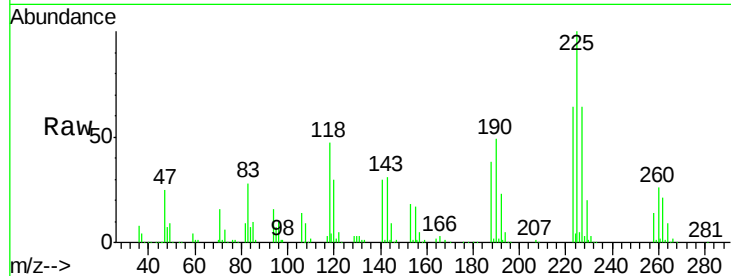




#90
Hexachlorobutadiene
Concen: 152.469 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

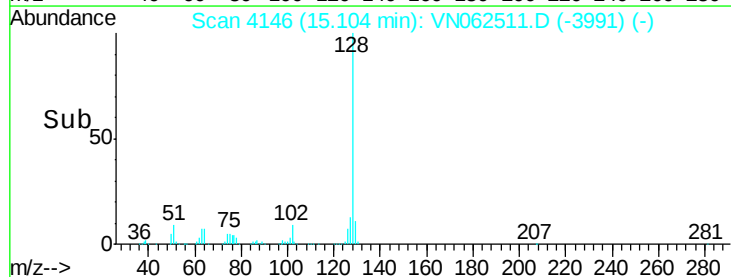
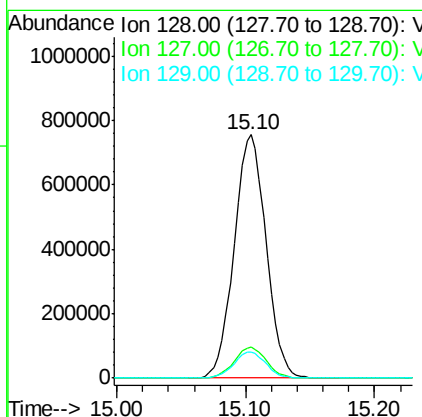
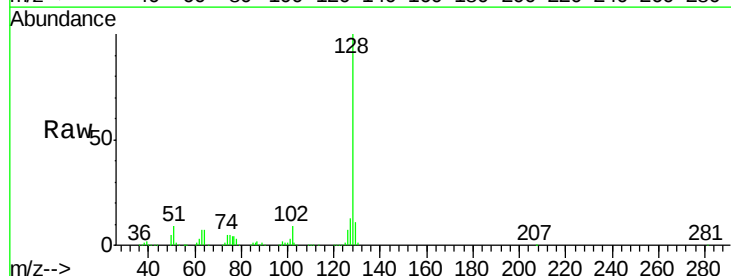
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

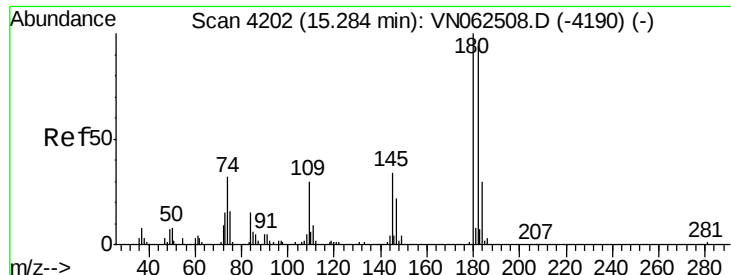
Tgt Ion: 225 Resp: 214610
Ion Ratio Lower Upper
225 100
223 63.9 0.0 120.4
227 63.8 0.0 129.6



#91
Naphthalene
Concen: 150.380 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062511.D
Acq: 13 Jul 2020 11:12

Tgt Ion: 128 Resp: 1298537
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.8 8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 150.197 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062511.D
 Acq: 13 Jul 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	187.2
145	32.9	0.0	67.8

