

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071420\
 Data File : VN062523.D
 Acq On : 14 Jul 2020 11:36
 Operator : JC/MD
 Sample : VN0714WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

Quant Time: Jul 15 00:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45003	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	248970	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	226859	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	114951	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.37	95	112692	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	10.06	98	323354	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	42620	16.045	ug/l 98
3) Chloromethane	2.04	50	62425	16.276	ug/l 97
4) Vinyl Chloride	2.16	62	54977	16.398	ug/l 97
5) Bromomethane	2.54	94	25226	15.167	ug/l 97
6) Chloroethane	2.67	64	25657	15.545	ug/l 98
7) Trichlorofluoromethane	2.99	101	59782	15.214	ug/l 99
8) Diethyl Ether	3.37	74	31134	16.482	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	39456	15.532	ug/l 97
10) 1,1-Dichloroethene	3.70	96	41765	16.116	ug/l 98
11) Methyl Iodide	3.91	142	52762	16.625	ug/l 97
12) Methyl Acetate	4.28	43	55803	16.056	ug/l 98
13) Acrolein	3.57	56	50014	96.314	ug/l 100
14) Acrylonitrile	4.93	53	130727	80.874	ug/l 99
15) Acetone	3.78	58	35183	70.904	ug/l 95
16) Carbon Disulfide	4.01	76	132784	15.723	ug/l 99
17) Allyl chloride	4.27	41	92613	16.804	ug/l 99
18) Methylene Chloride	4.50	84	52534	16.475	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	45697	15.932	ug/l 92
20) Diisopropyl ether	5.90	45	188941	16.676	ug/l 98
21) 1,1-Dichloroethane	5.80	63	98057	16.370	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	53277	16.471	ug/l 99
23) tert-Butyl Alcohol	4.73	59	44065	81.458	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	153672	16.084	ug/l 99
25) Chloroform	7.33	83	90724	16.515	ug/l 96
26) Cyclohexane	7.61	56	81148	15.370	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	68042	16.112	ug/l 99
30) 2-Butanone	6.79	43	178407	79.657	ug/l 99
31) 2,2-Dichloropropane	6.78	77	77191	16.210	ug/l # 71
32) 1,1,1-Trichloroethane	7.53	97	75997	16.743	ug/l 98
33) Carbon Tetrachloride	7.73	117	63937	16.250	ug/l 99
34) Benzene	8.00	78	208277	16.600	ug/l 96
35) Methacrylonitrile	7.12	41	31652	16.088	ug/l 99
36) 1,2-Dichloroethane	8.09	62	76076	16.870	ug/l 100
37) Trichloroethene	8.80	130	46998	16.677	ug/l 98
38) Methylcyclohexane	9.05	83	73624	15.541	ug/l 98
39) 1,2-Dichloropropane	9.08	63	59791	16.728	ug/l 97
40) Dibromomethane	9.17	93	34407	16.703	ug/l 99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

Quant Time: Jul 15 00:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	72630	16.623	ug/l	97
42) Vinyl Acetate	5.84	43	776180	83.398	ug/l	99
43) Ethyl Acetate	6.88	43	71386	15.854	ug/l #	93
44) Isopropyl Acetate	8.13	43	124191	16.439	ug/l	99
45) 1,4-Dioxane	9.17	88	17181	332.450	ug/l	97
46) Methyl methacrylate	9.17	41	56297	15.707	ug/l	95
47) n-amyl Acetate	12.05	43	97613	15.328	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	80470	15.790	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	88439	16.076	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	47804	16.556	ug/l	98
51) Ethyl methacrylate	10.40	69	77331	15.907	ug/l	99
52) 1,3-Dichloropropane	10.68	76	87007	16.418	ug/l	100
53) Dibromochloromethane	10.87	129	51830	16.475	ug/l	100
54) 1,2-Dibromoethane	10.98	107	49439	16.728	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	119442	76.923	ug/l	99
56) Bromoform	12.10	173	35575	16.556	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	370837	83.901	ug/l	99
59) 2-Hexanone	10.72	43	263928	81.419	ug/l	100
61) Tetrachloroethene	10.60	164	38384	16.522	ug/l	93
62) Toluene	10.12	91	212262	16.493	ug/l	98
64) Chlorobenzene	11.40	112	125726	16.625	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	46474	16.602	ug/l	99
66) Ethyl Benzene	11.48	91	227163	15.939	ug/l	98
67) m/p-Xylenes	11.60	106	168023	32.482	ug/l	99
68) o-Xylene	11.92	106	79978	16.111	ug/l	98
69) Styrene	11.94	104	132062	15.674	ug/l	99
70) Isopropylbenzene	12.22	105	214242	16.077	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	73068	16.965	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	93592	22.340	ug/l	59
73) Bromobenzene	12.50	156	48906	15.846	ug/l	97
74) n-propylbenzene	12.56	91	248274	15.673	ug/l	100
75) 2-Chlorotoluene	12.65	91	153690	16.115	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	177471	15.630	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	22673	14.470	ug/l	91
78) 4-Chlorotoluene	12.75	91	152890	15.710	ug/l	99
79) tert-butylbenzene	12.97	119	147014	15.636	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	172791	15.472	ug/l	100
81) sec-Butylbenzene	13.15	105	195820	15.508	ug/l	100
82) p-Isopropyltoluene	13.26	119	168640	15.134	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	83157	15.515	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	81178	15.349	ug/l	97
85) n-Butylbenzene	13.59	91	134501	14.071	ug/l	99
86) Hexachloroethane	13.85	117	33555	15.606	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	81852	15.881	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	12566	15.449	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	34846	13.581	ug/l	98
90) Hexachlorobutadiene	14.98	225	21925	15.406	ug/l	97
91) Naphthalene	15.10	128	91019	13.083	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	36275	14.027	ug/l	96

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

Quant Time: Jul 15 00:49:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
Response via : Initial Calibration

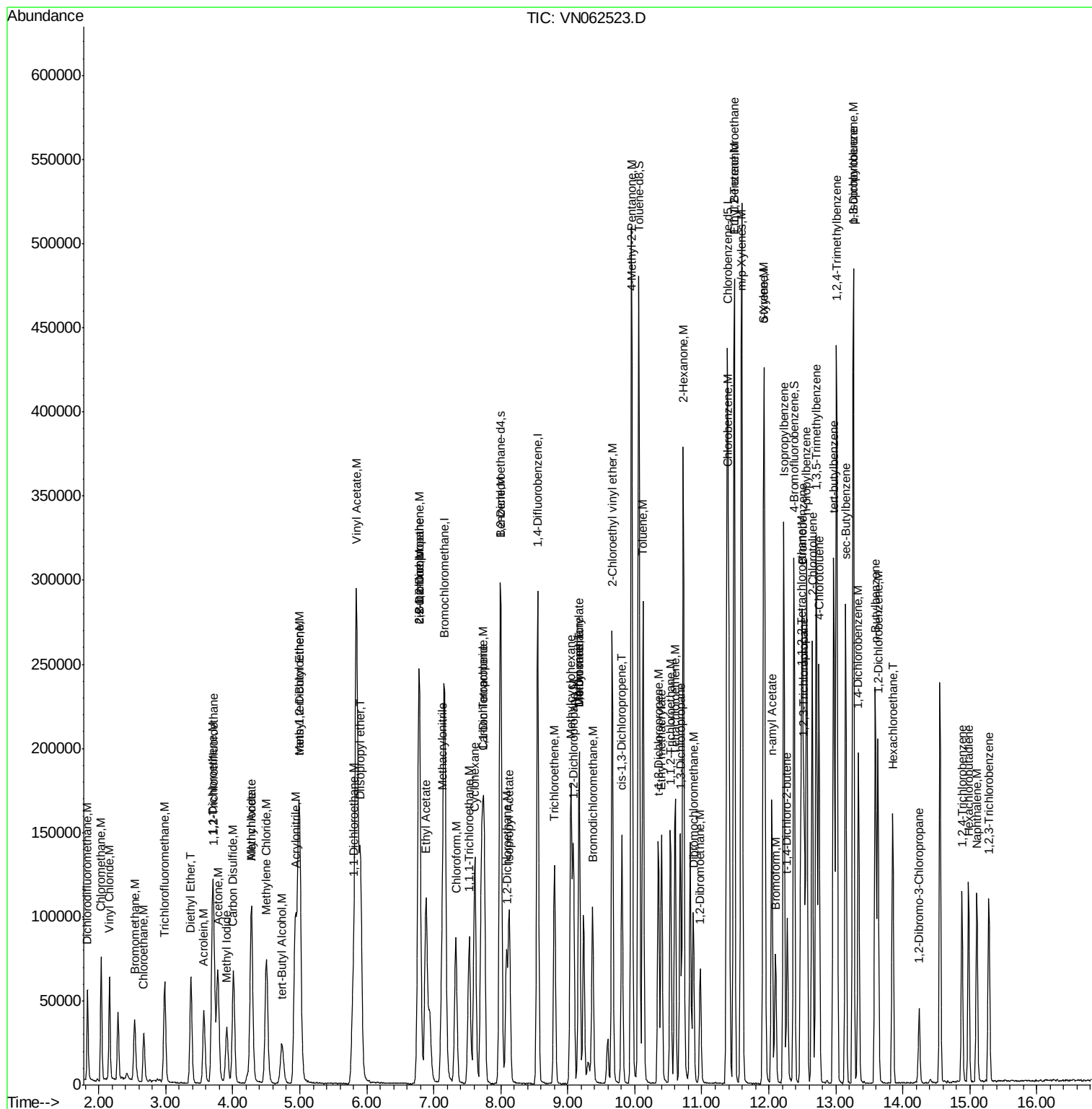
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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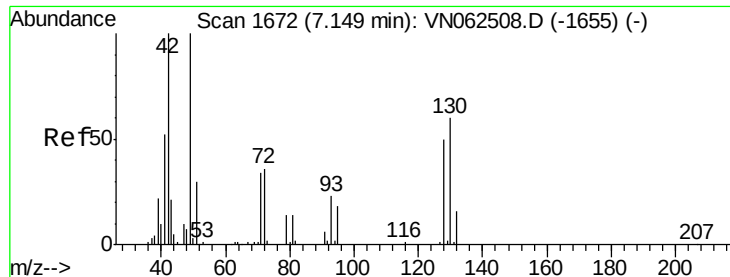
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071420\
 Data File : VN062523.D
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 Sample : VN0714WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

Quant Time: Jul 15 00:49:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

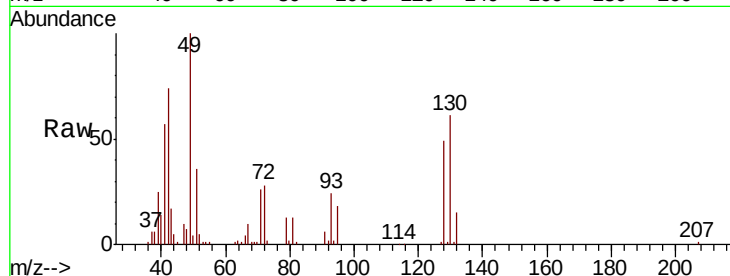
Tot Ion:128 Resp: 45003

Ion Ratio Lower Upper

128 100

49 213.4 0.0 525.0

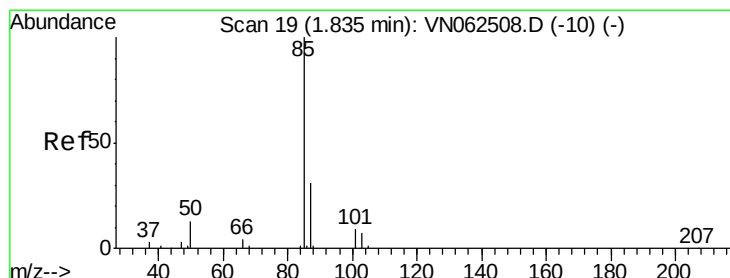
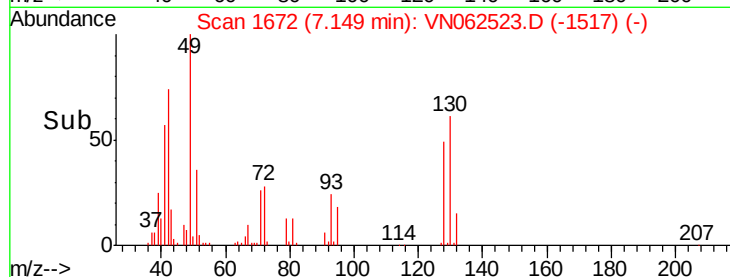
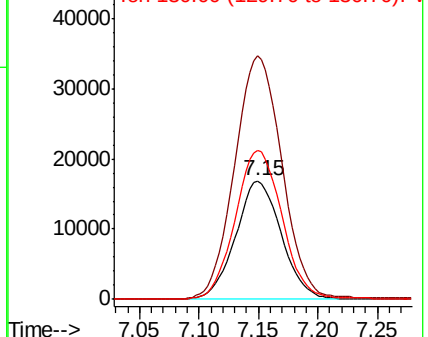
130 128.3 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.045 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062523.D

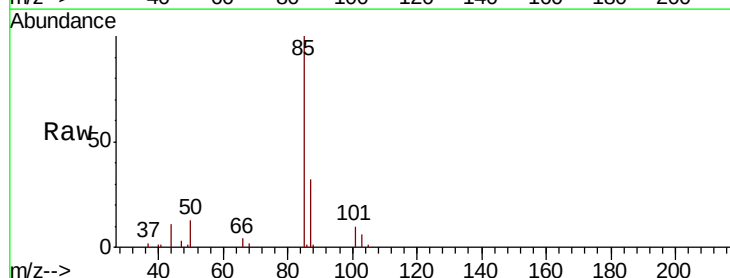
Acq: 14 Jul 2020 11:36

Tgt Ion: 85 Resp: 42620

Ion Ratio Lower Upper

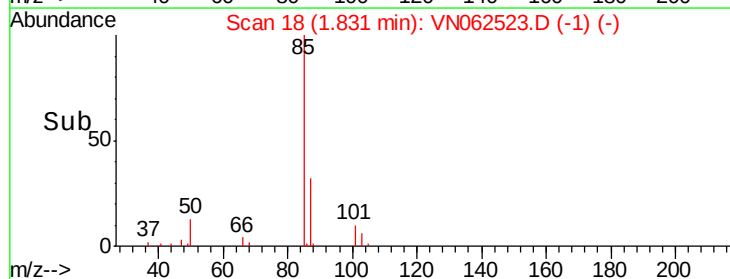
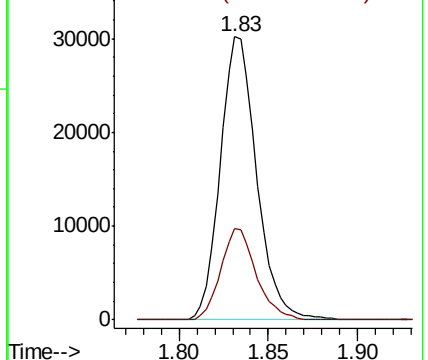
85 100

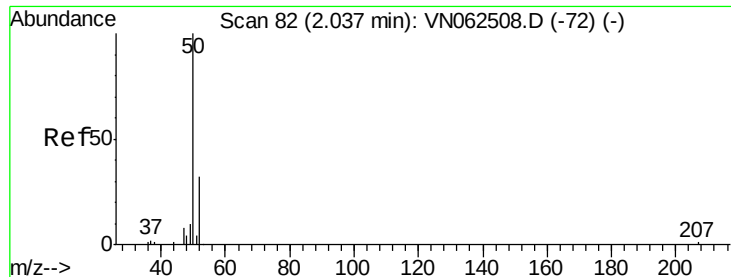
87 32.3 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 16.276 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

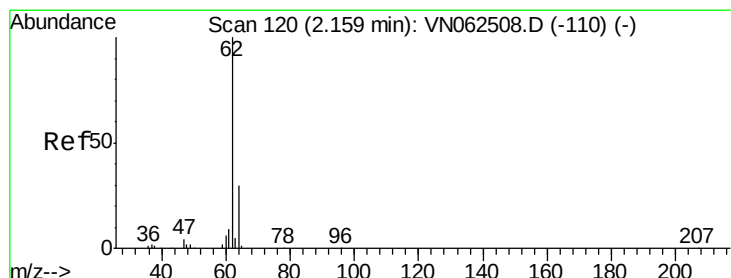
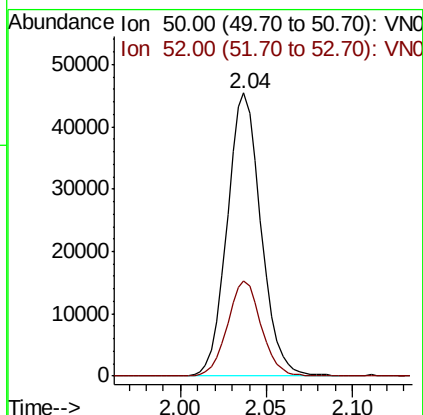
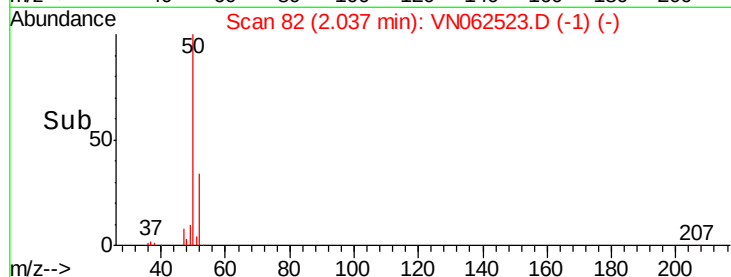
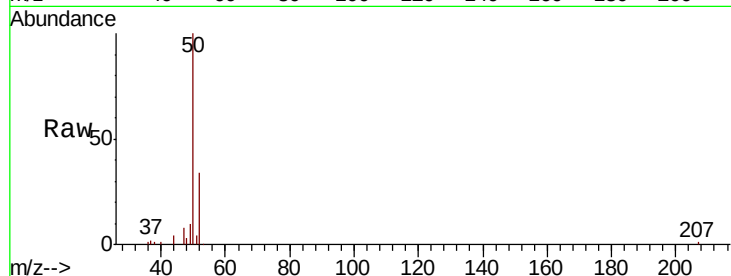
VN0714WBS01

Tot Ion: 50 Resp: 62425

Ion Ratio Lower Upper

50 100

52 33.6 25.4 38.2



#4

Vinyl Chloride

Concen: 16.398 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN062523.D

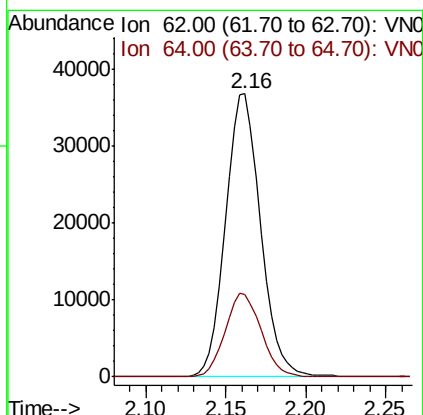
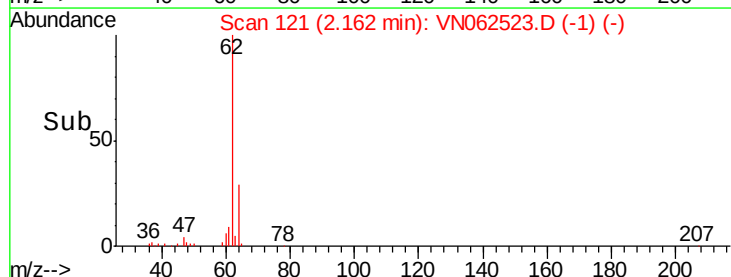
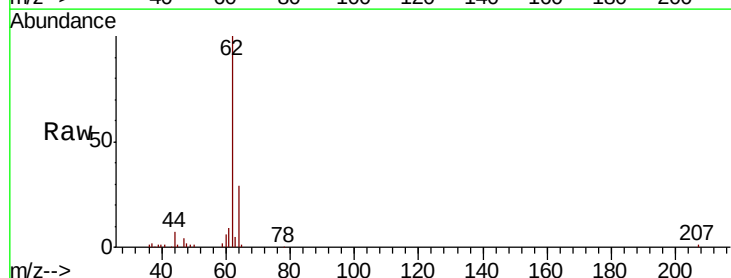
Acq: 14 Jul 2020 11:36

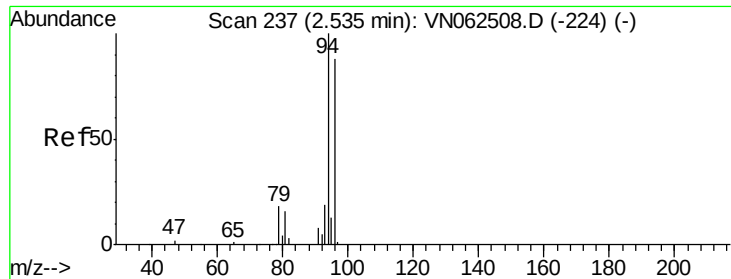
Tgt Ion: 62 Resp: 54977

Ion Ratio Lower Upper

62 100

64 28.9 24.3 36.5





#5

Bromomethane

Concen: 15.167 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

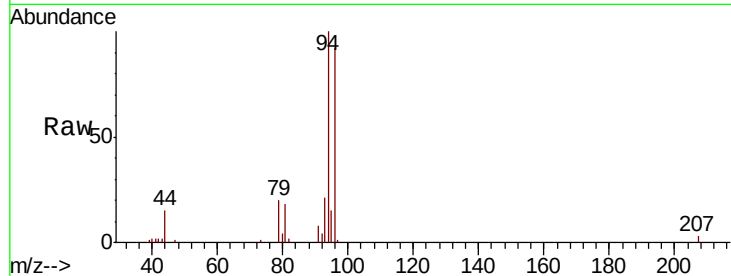
VN0714WBS01

Tot Ion: 94 Resp: 25226

Ion Ratio Lower Upper

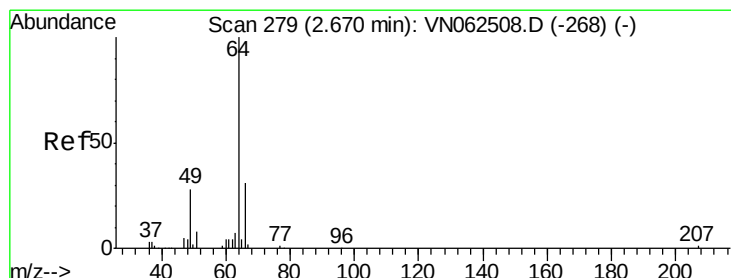
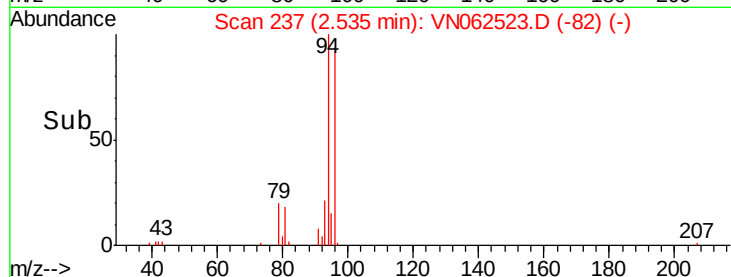
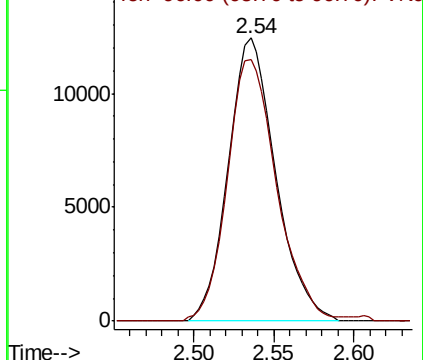
94 100

96 90.9 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 15.545 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN062523.D

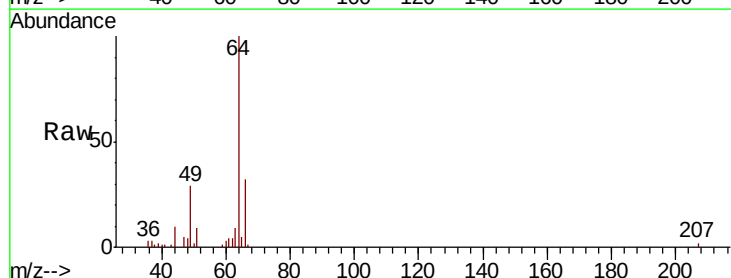
Acq: 14 Jul 2020 11:36

Tgt Ion: 64 Resp: 25657

Ion Ratio Lower Upper

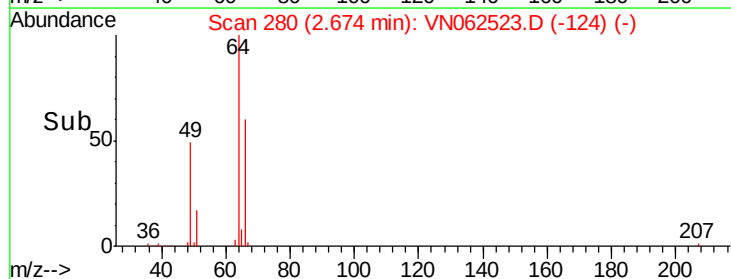
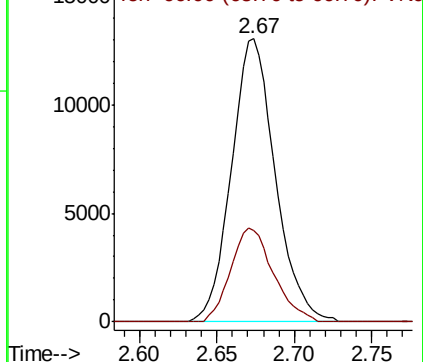
64 100

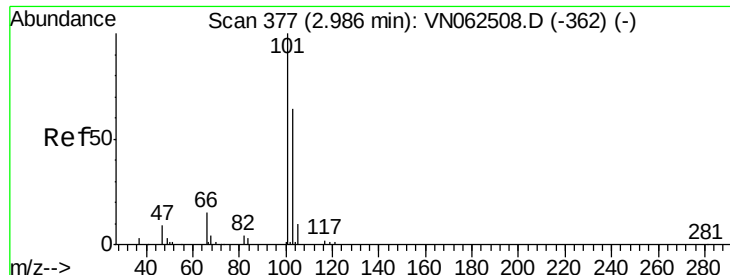
66 32.4 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



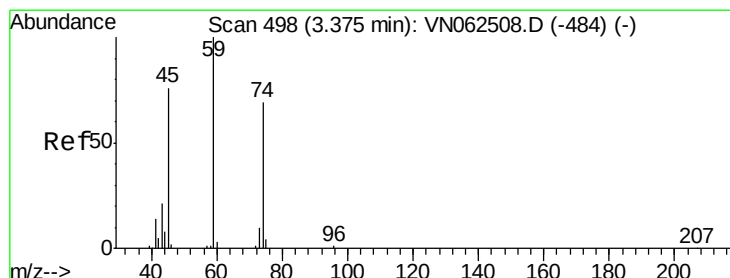
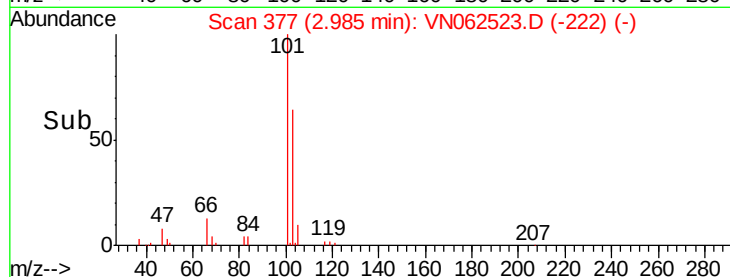
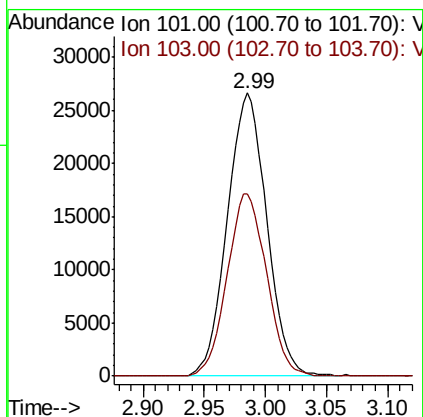
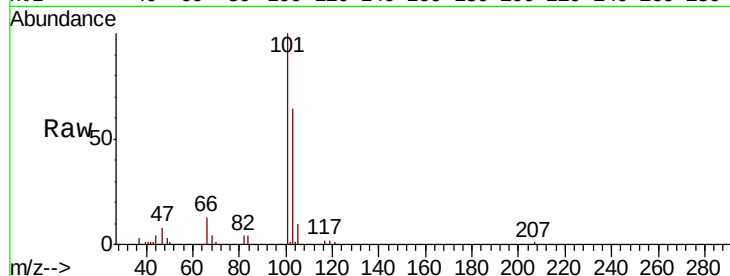


#7

Trichlorofluoromethane
Concen: 15.214 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

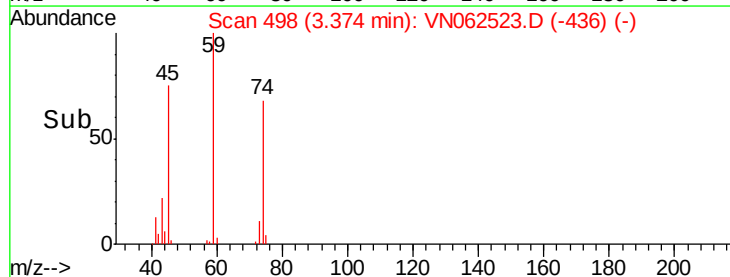
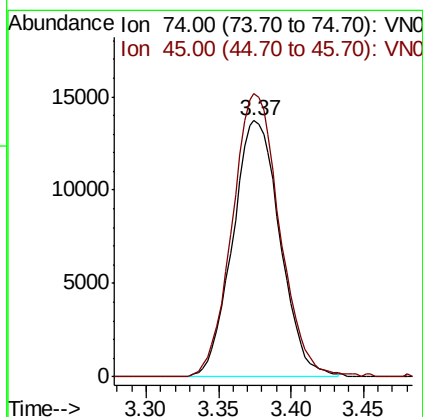
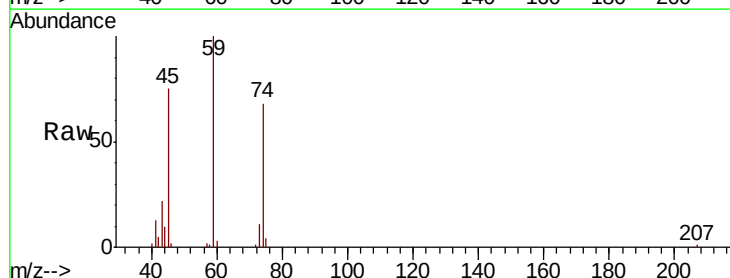
Tot Ion:101 Resp: 59782
Ion Ratio Lower Upper
101 100
103 64.3 50.9 76.3

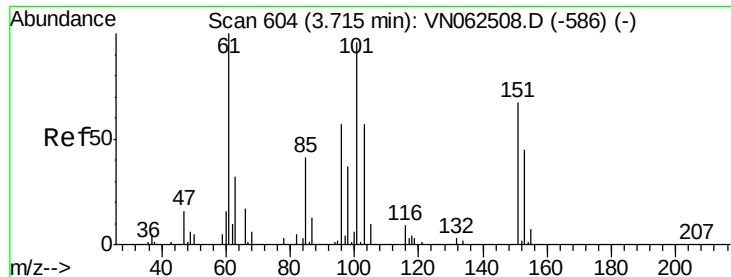


#8

Diethyl Ether
Concen: 16.482 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 74 Resp: 31134
Ion Ratio Lower Upper
74 100
45 110.7 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.532 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

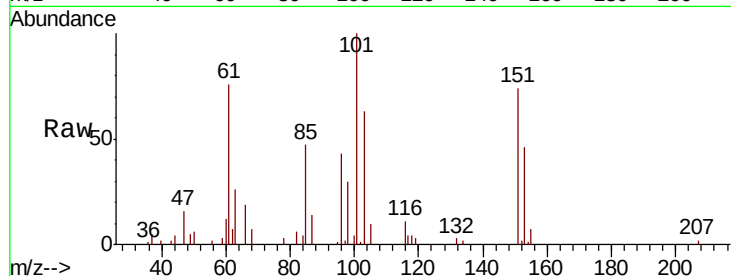
Tot Ion:101 Resp: 39456

Ion Ratio Lower Upper

101 100

85 46.3 0.0 90.4

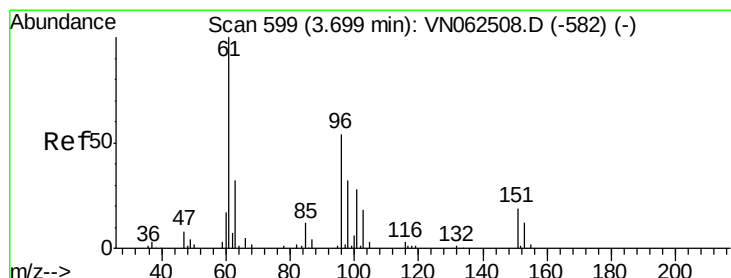
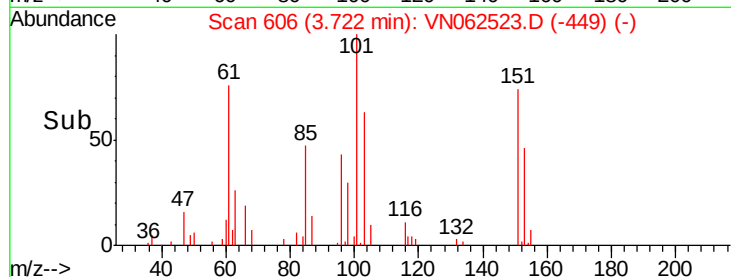
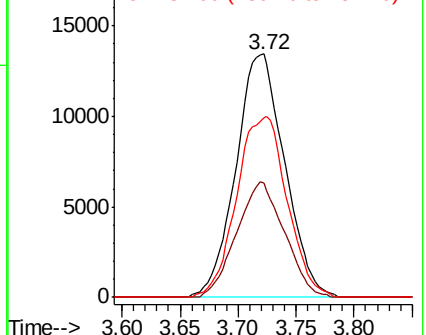
151 76.6 0.0 145.6



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



#10

1,1-Dichloroethene

Concen: 16.116 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

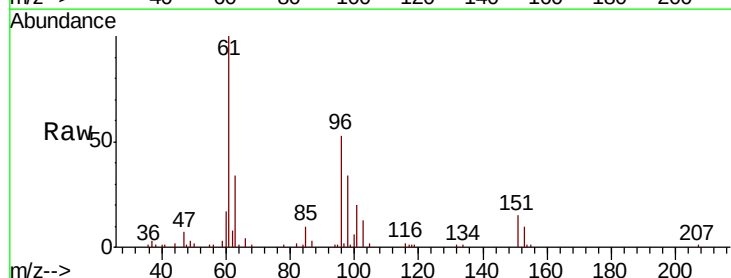
Tgt Ion: 96 Resp: 41765

Ion Ratio Lower Upper

96 100

61 186.0 147.8 221.8

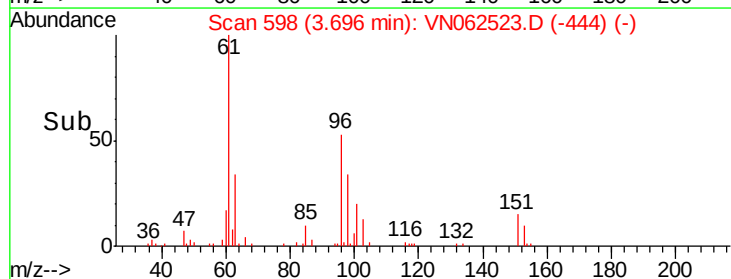
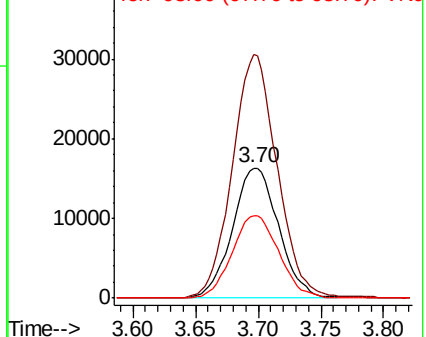
98 63.0 47.8 71.8

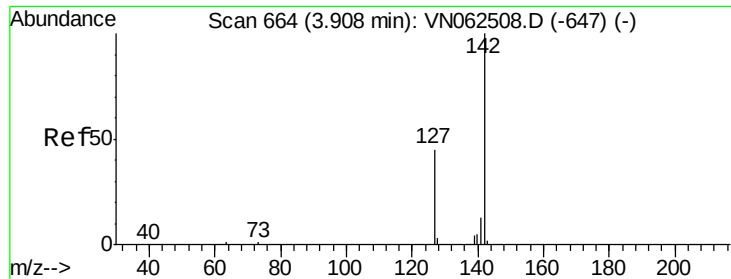


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

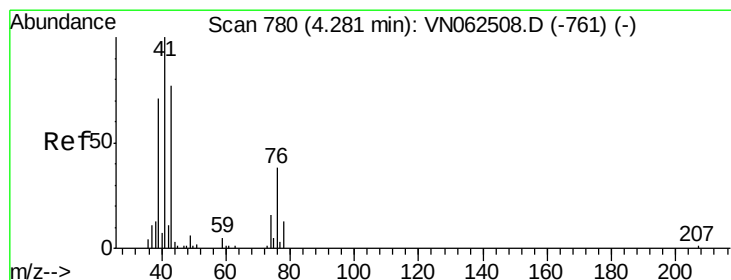
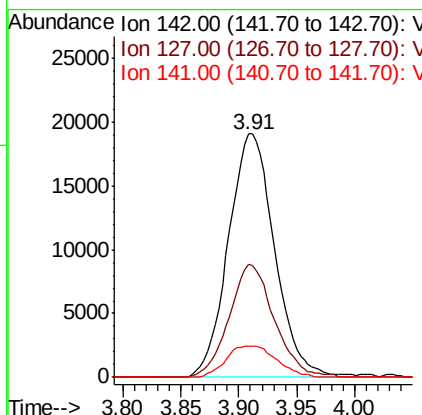
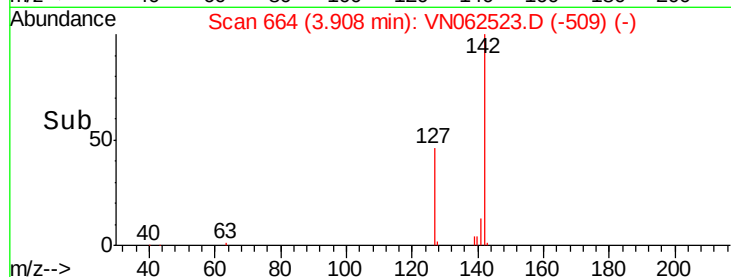
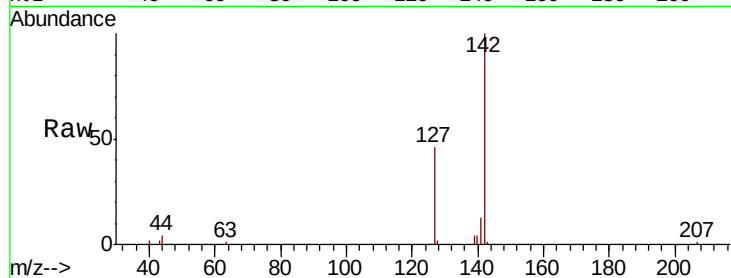




#11
Methvl Iodide
Concen: 16.625 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

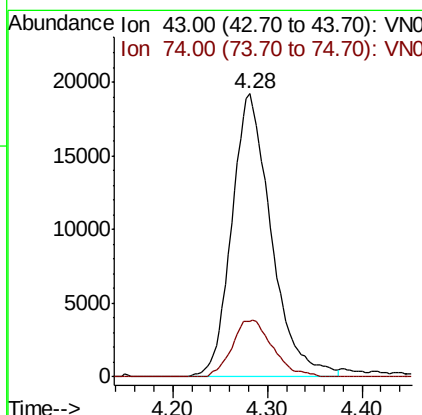
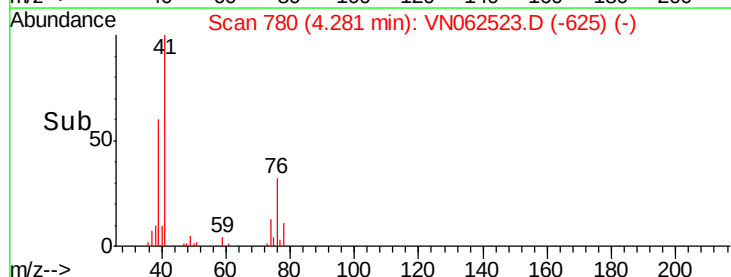
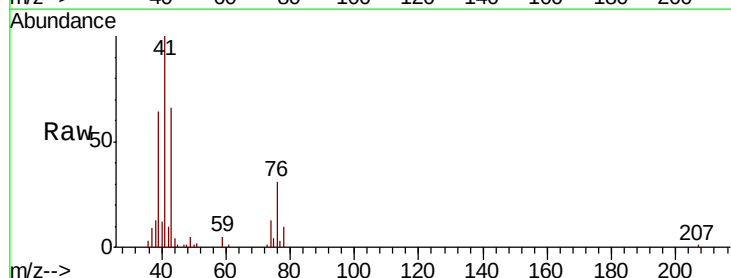
Instrument :
MSVOA_N
ClientSampled :
VN0714WBS01

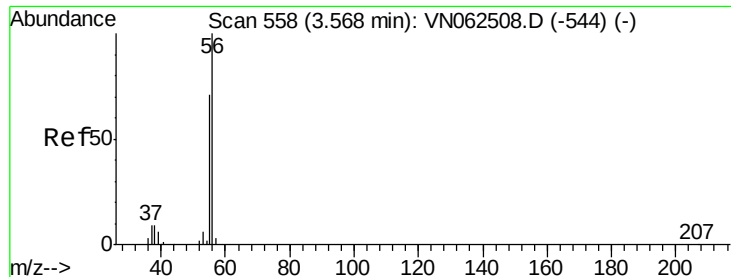
Tot Ion:142 Resp: 52762
Ion Ratio Lower Upper
142 100
127 46.7 22.1 66.5
141 13.1 6.5 19.4



#12
Methyl Acetate
Concen: 16.056 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 43 Resp: 55803
Ion Ratio Lower Upper
43 100
74 19.9 16.7 25.1





#13

Acrolein

Concen: 96.314 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

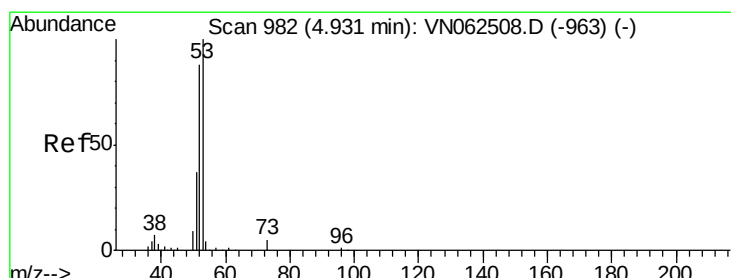
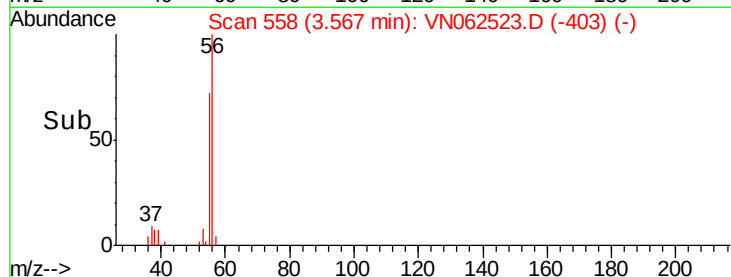
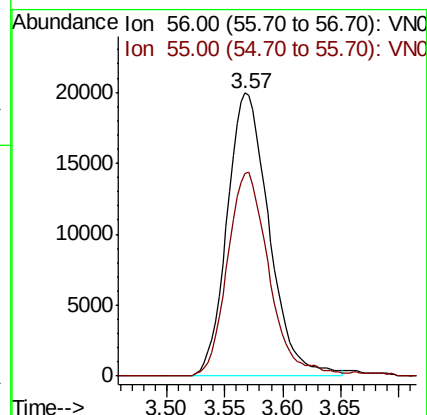
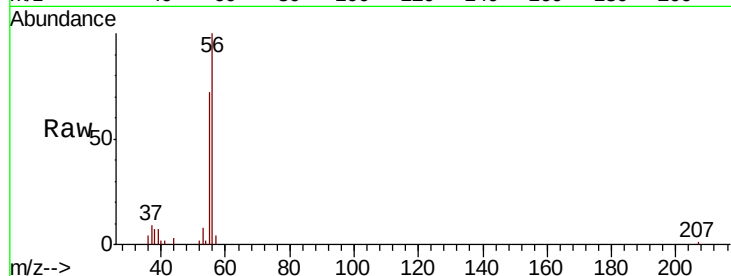
VN0714WBS01

Tot Ion: 56 Resp: 50014

Ion Ratio Lower Upper

56 100

55 69.8 56.0 84.0



#14

Acrylonitrile

Concen: 80.874 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

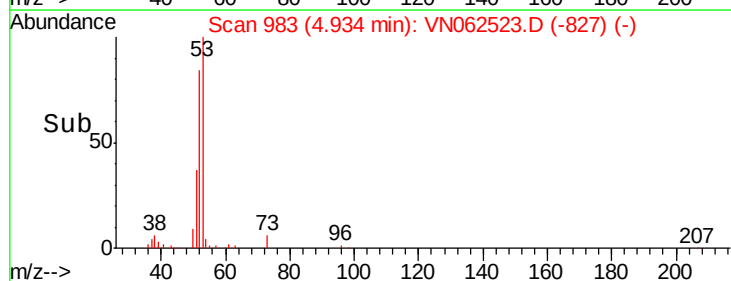
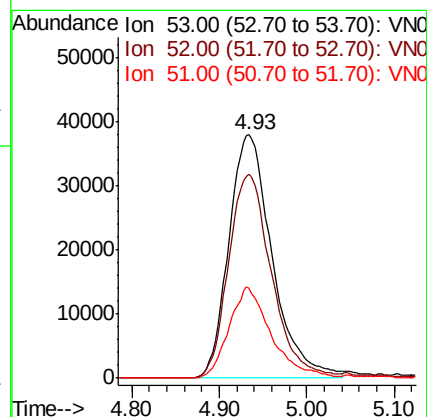
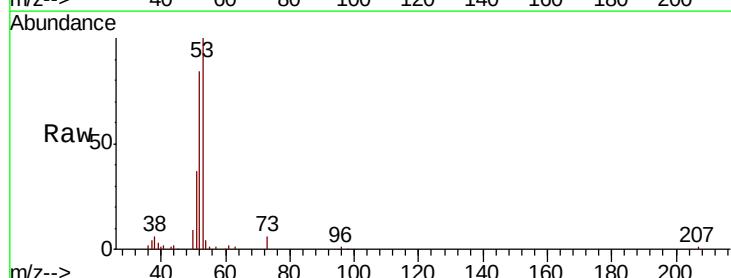
Tgt Ion: 53 Resp: 130727

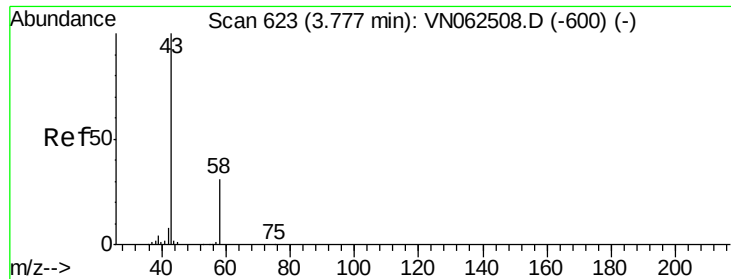
Ion Ratio Lower Upper

53 100

52 83.1 41.8 125.4

51 36.3 18.5 55.5





#15

Acetone

Concen: 70.904 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

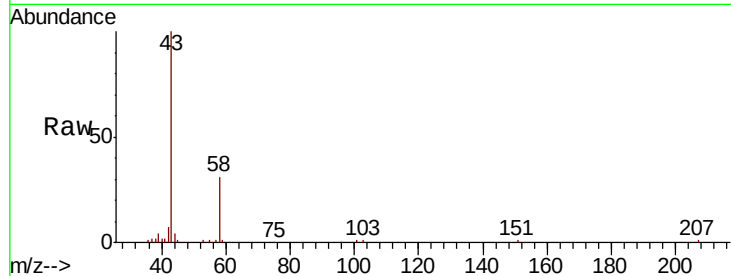
VN0714WBS01

Tot Ion: 58 Resp: 35183

Ion Ratio Lower Upper

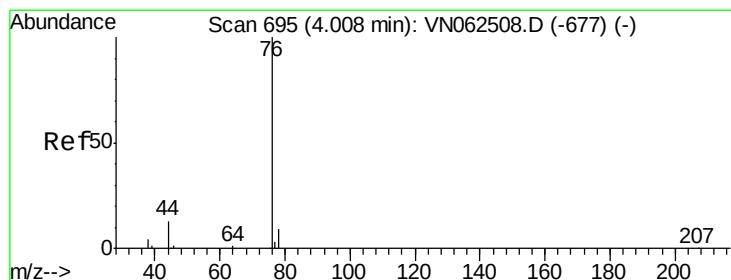
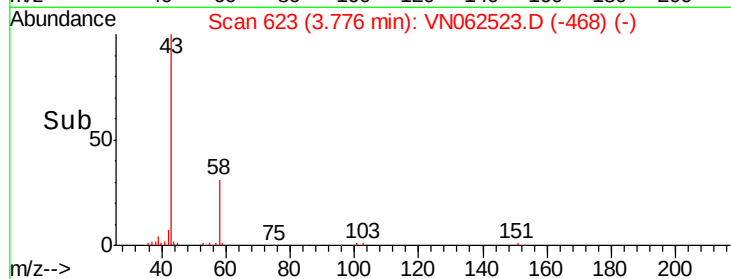
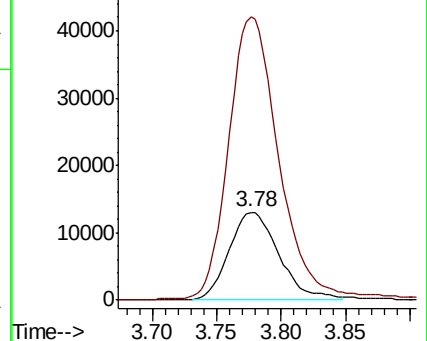
58 100

43 316.6 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.723 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062523.D

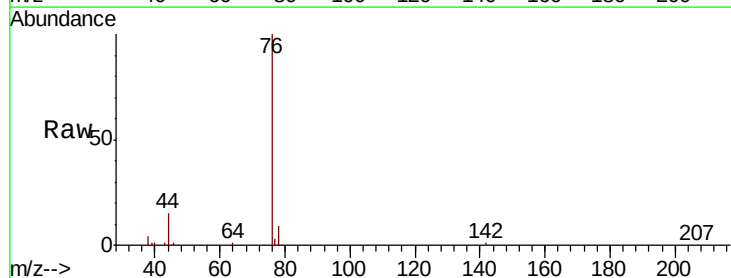
Acq: 14 Jul 2020 11:36

Tgt Ion: 76 Resp: 132784

Ion Ratio Lower Upper

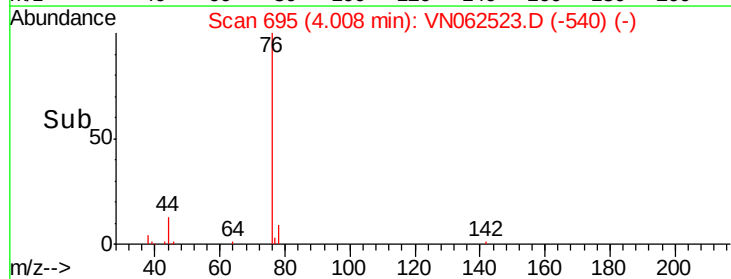
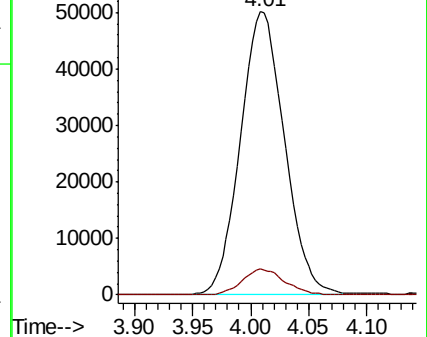
76 100

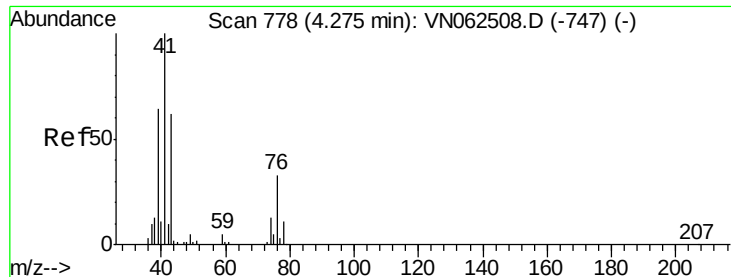
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

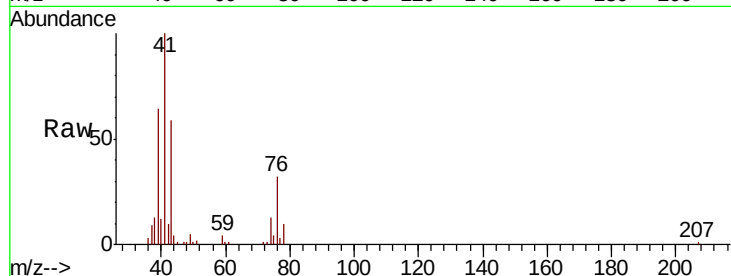




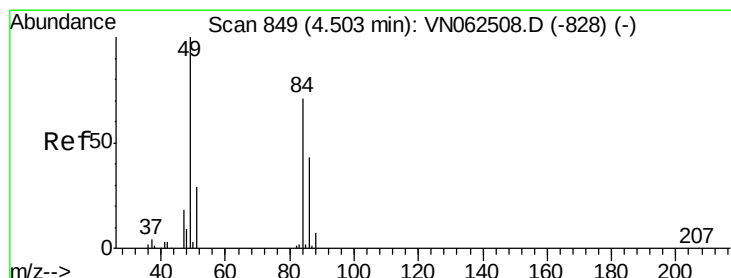
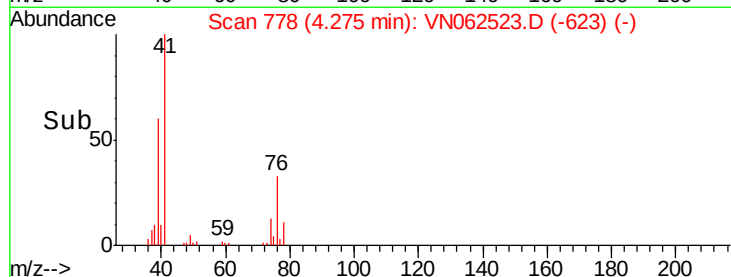
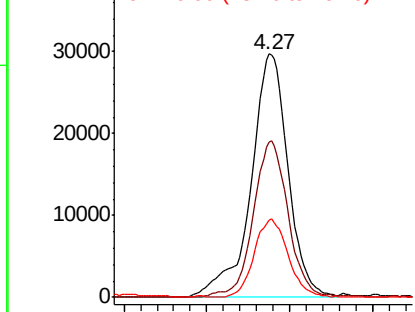
#17
Allvl chloride
Concen: 16.804 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

Tot Ion:	41	Resp:	92613
Ion	Ratio	Lower	Upper
41	100		
39	64.0	31.9	95.5
76	31.9	16.6	49.8

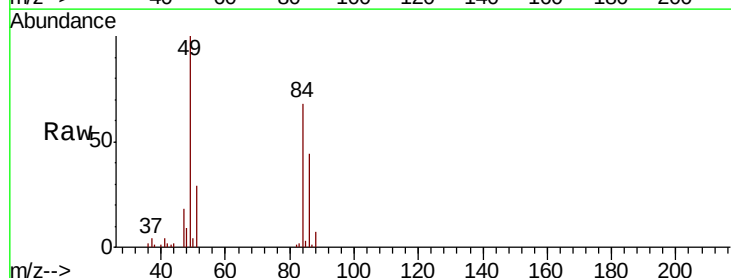


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

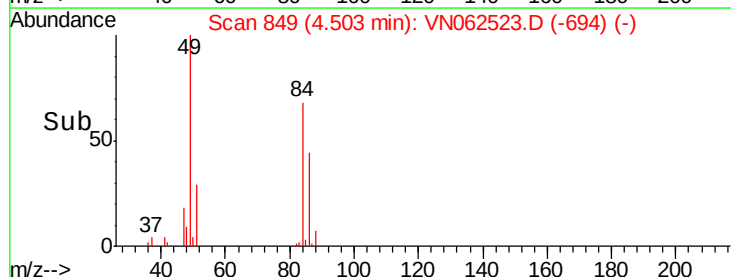
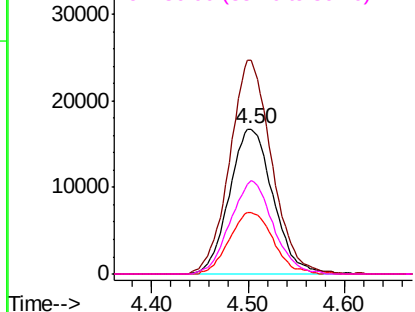


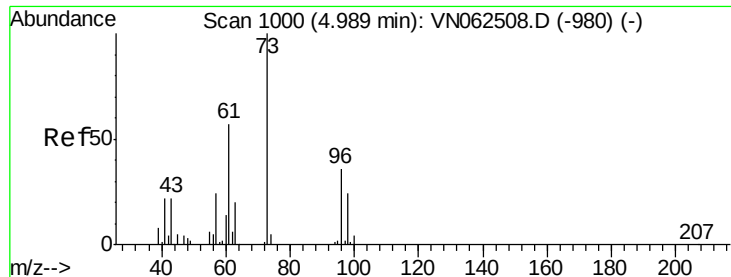
#18
Methylene Chloride
Concen: 16.475 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion:	84	Resp:	52534
Ion	Ratio	Lower	Upper
84	100		
49	147.0	112.1	168.1
51	42.2	33.0	49.4
86	64.2	48.2	72.4



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

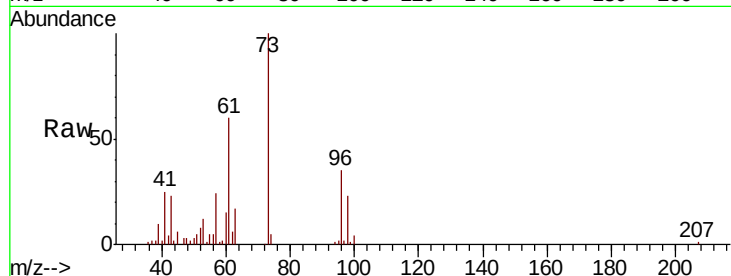




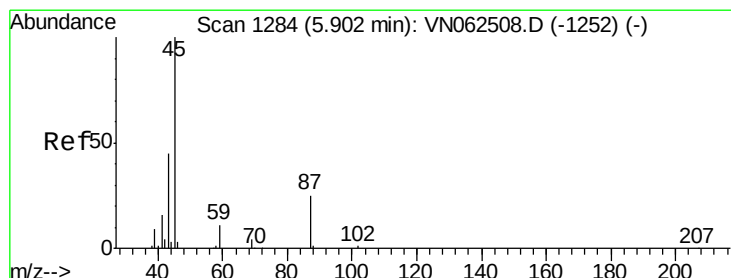
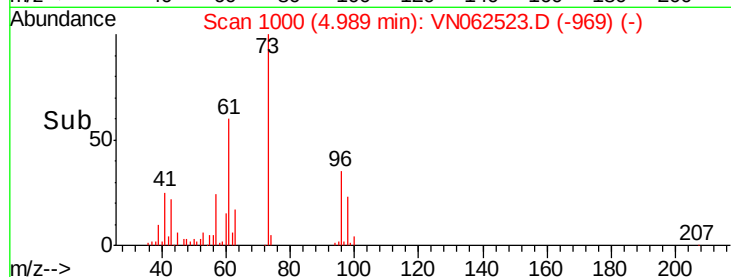
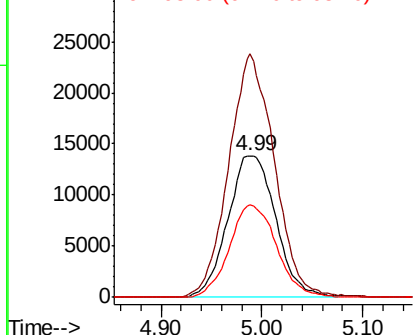
#19
trans-1,2-Dichloroethene
Concen: 15.932 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

Tot Ion: 96 Resp: 45697
Ion Ratio Lower Upper
96 100
61 170.1 125.7 188.5
98 65.2 54.1 81.1

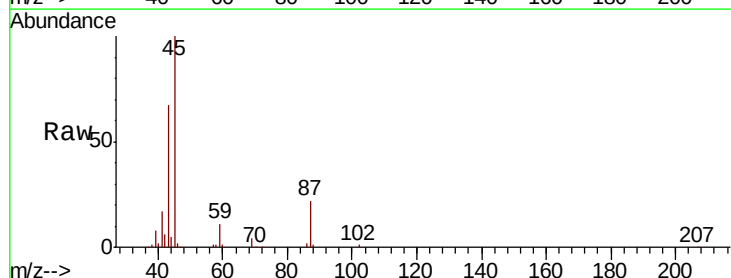


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

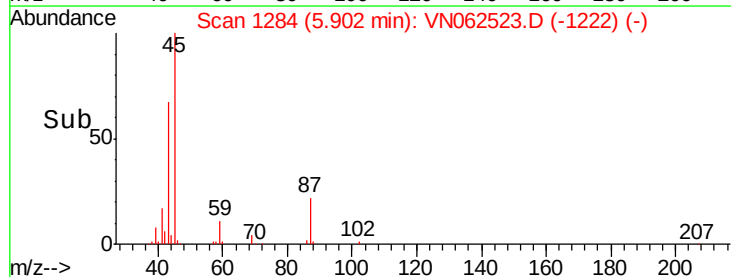
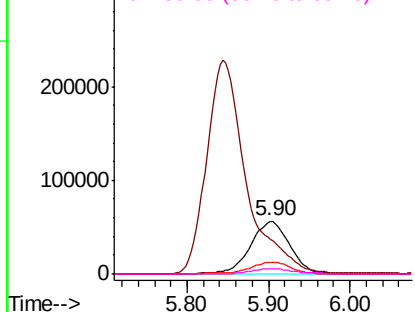


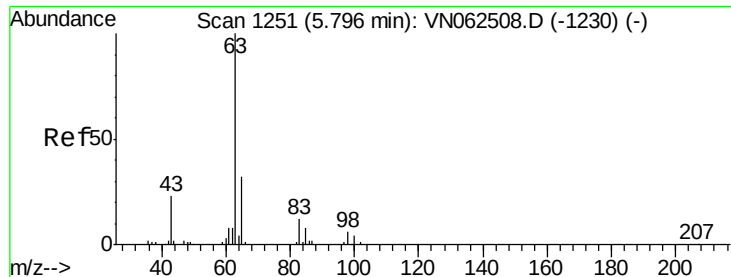
#20
Diisopropyl ether
Concen: 16.676 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 45 Resp: 188941
Ion Ratio Lower Upper
45 100
43 63.7 51.3 76.9
87 22.2 19.8 29.6
59 10.6 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

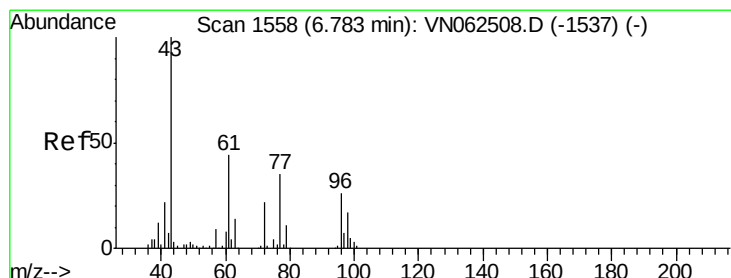
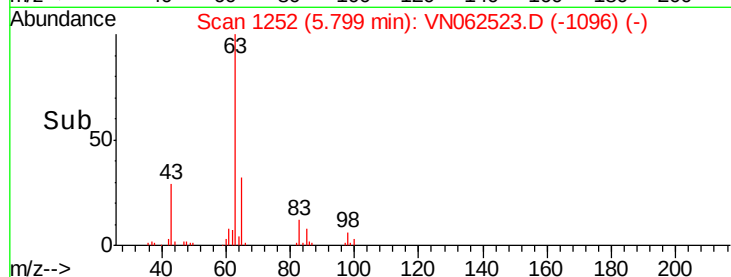
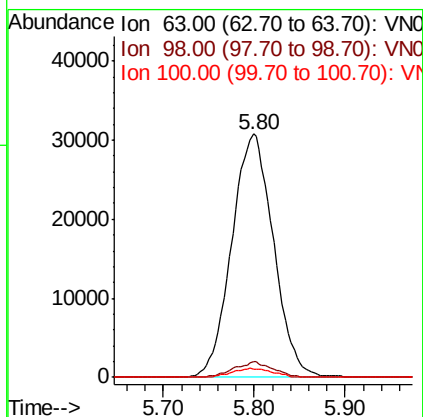
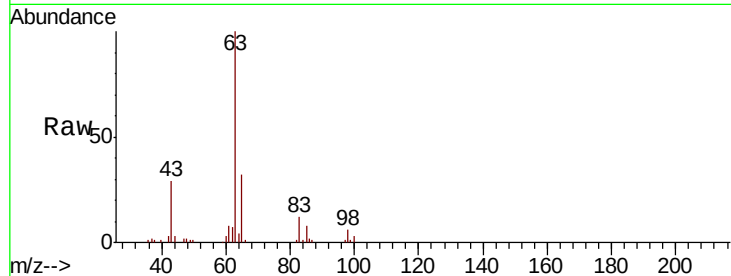




#21
 1,1-Dichloroethane
 Concen: 16.370 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

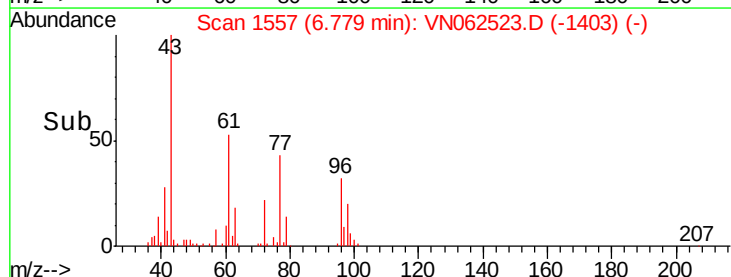
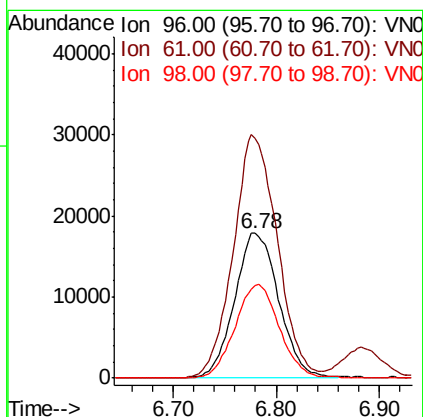
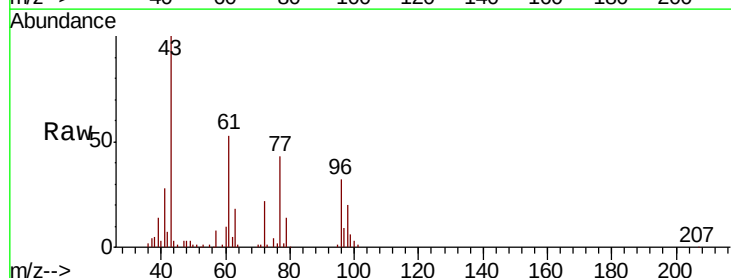
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

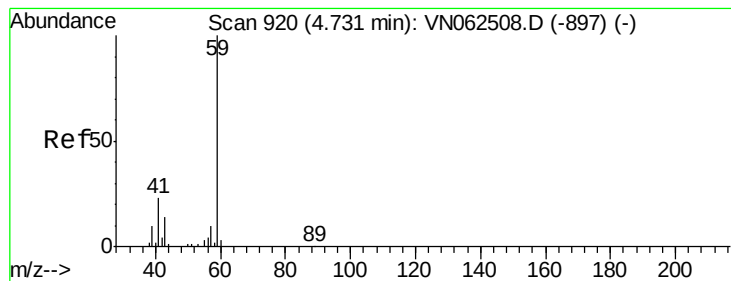
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.8	8.4
100	3.5	2.0	5.8



#22
 cis-1,2-Dichloroethene
 Concen: 16.471 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	134.9	202.3
98	64.6	51.5	77.3





#23

tert-Butyl Alcohol

Concen: 81.458 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

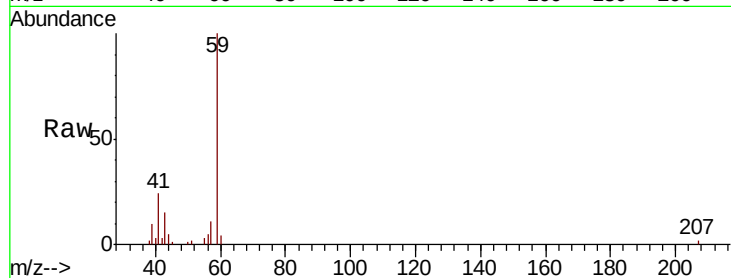
VN0714WBS01

Tot Ion: 59 Resp: 44065

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.73

15000

10000

5000

0

Time-->

4.60

4.70

4.80

4.90

5.00

5.10

5.20

5.30

5.40

5.50

5.60

5.70

5.80

5.90

6.00

6.10

6.20

6.30

6.40

6.50

6.60

6.70

6.80

6.90

7.00

7.10

7.20

7.30

7.40

7.50

7.60

7.70

7.80

7.90

8.00

8.10

8.20

8.30

8.40

8.50

8.60

8.70

8.80

8.90

9.00

9.10

9.20

9.30

9.40

9.50

9.60

9.70

9.80

9.90

10.00

10.10

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10.40

10.50

10.60

10.70

10.80

10.90

11.00

11.10

11.20

11.30

11.40

11.50

11.60

11.70

11.80

11.90

12.00

12.10

12.20

12.30

12.40

12.50

12.60

12.70

12.80

12.90

13.00

13.10

13.20

13.30

13.40

13.50

13.60

13.70

13.80

13.90

14.00

14.10

14.20

14.30

14.40

14.50

14.60

14.70

14.80

14.90

15.00

15.10

15.20

15.30

15.40

15.50

15.60

15.70

15.80

15.90

16.00

16.10

16.20

16.30

16.40

16.50

16.60

16.70

16.80

16.90

17.00

17.10

17.20

17.30

17.40

17.50

17.60

17.70

17.80

17.90

18.00

18.10

18.20

18.30

18.40

18.50

18.60

18.70

18.80

18.90

19.00

19.10

19.20

19.30

19.40

19.50

19.60

19.70

19.80

19.90

20.00

20.10

20.20

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20.40

20.50

20.60

20.70

20.80

20.90

21.00

21.10

21.20

21.30

21.40

21.50

21.60

21.70

21.80

21.90

22.00

22.10

22.20

22.30

22.40

22.50

22.60

22.70

22.80

22.90

23.00

23.10

23.20

23.30

23.40

23.50

23.60

23.70

23.80

23.90

24.00

24.10

24.20

24.30

24.40

24.50

24.60

24.70

24.80

24.90

25.00

25.10

25.20

25.30

25.40

25.50

25.60

25.70

25.80

25.90

26.00

26.10

26.20

26.30

26.40

26.50

26.60

26.70

26.80

26.90

27.00

27.10

27.20

27.30

27.40

27.50

27.60

27.70

27.80

27.90

28.00

28.10

28.20

28.30

28.40

28.50

28.60

28.70

28.80

28.90

29.00

29.10

29.20

29.30

29.40

29.50

29.60

29.70

29.80

29.90

30.00

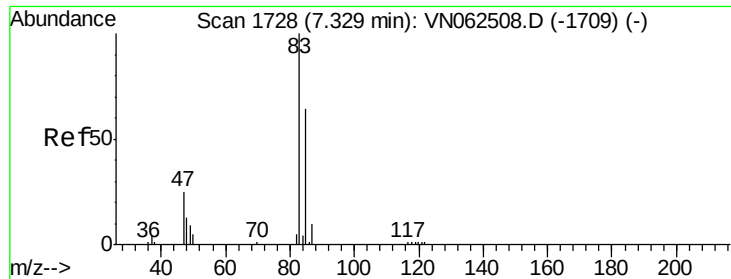
30.10

30.20

30.30

30.40

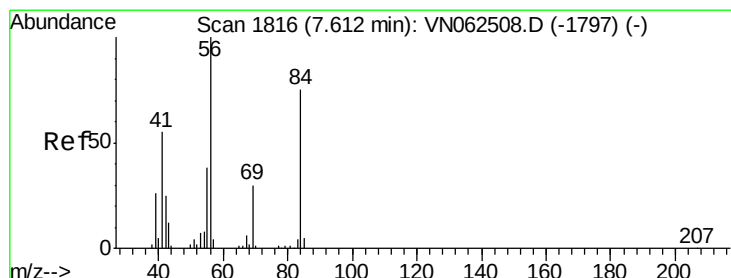
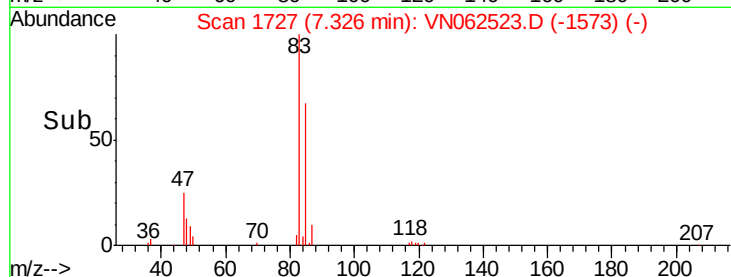
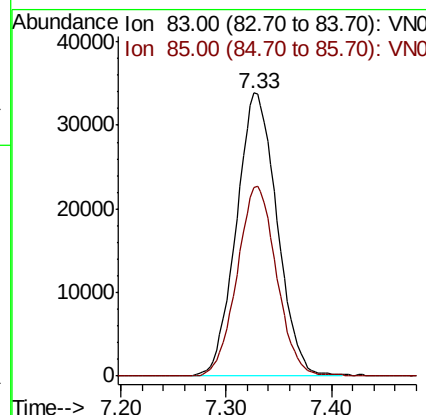
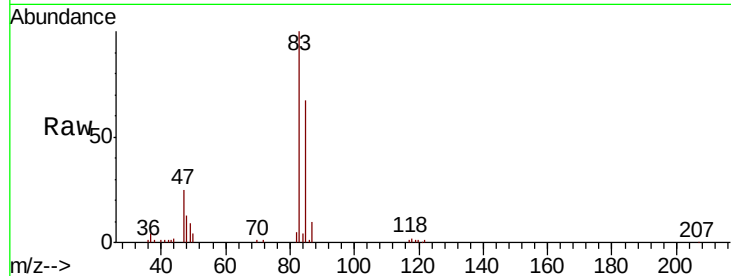
30.50



#25
Chloroform
Concen: 16.515 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

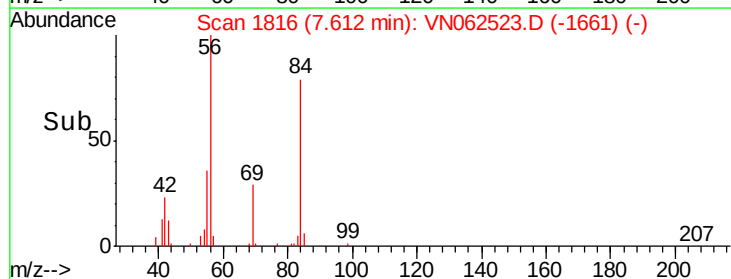
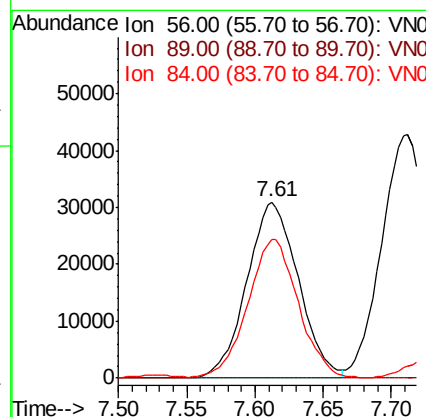
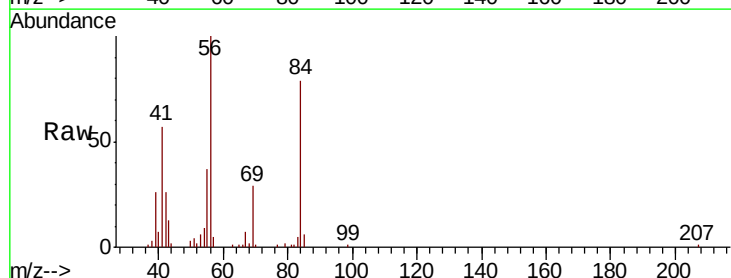
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

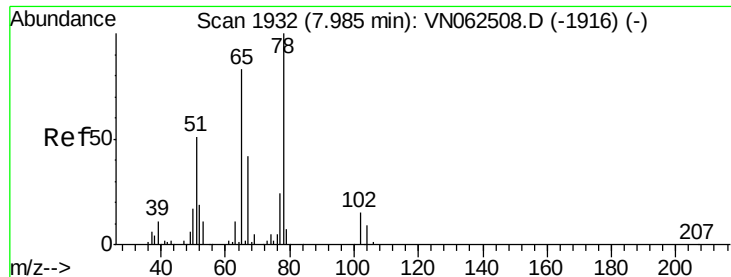
Tot Ion: 83 Resp: 90724
Ion Ratio Lower Upper
83 100
85 66.6 51.0 76.4



#26
Cyclohexane
Concen: 15.370 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 56 Resp: 81148
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.4 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 29.734 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

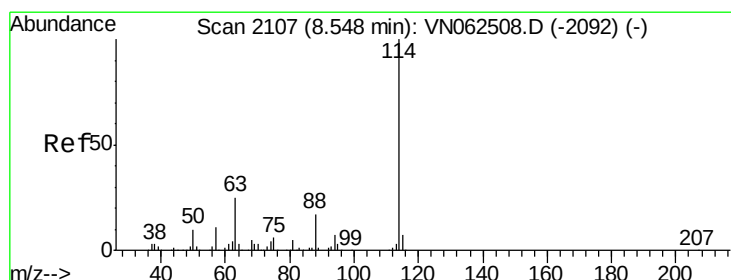
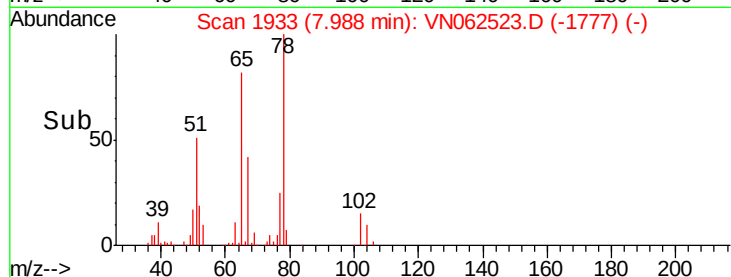
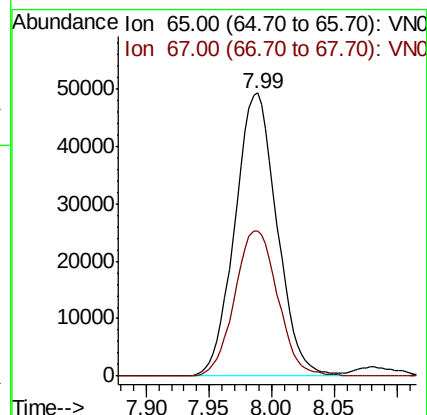
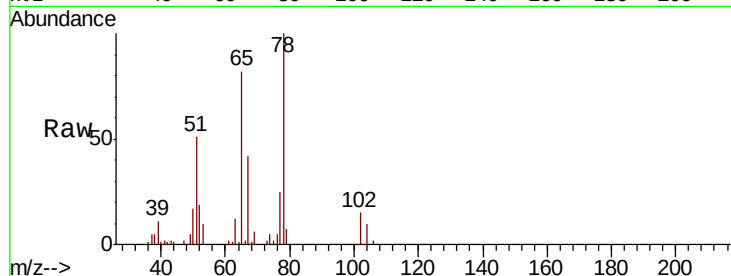
VN0714WBS01

Tot Ion: 65 Resp: 114951

Ion Ratio Lower Upper

65 100

67 52.7 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: VN062523.D

Acq: 14 Jul 2020 11:36

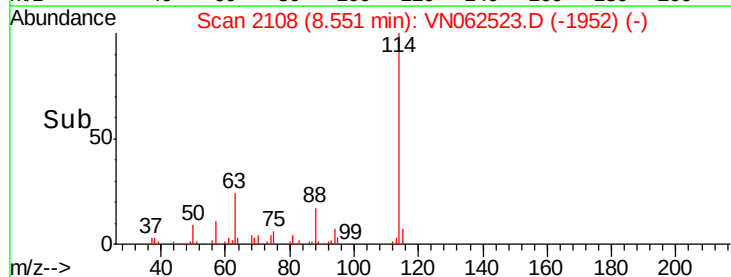
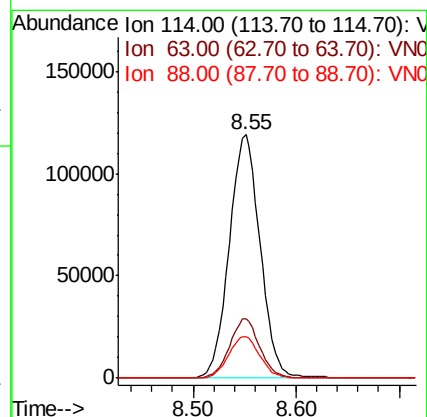
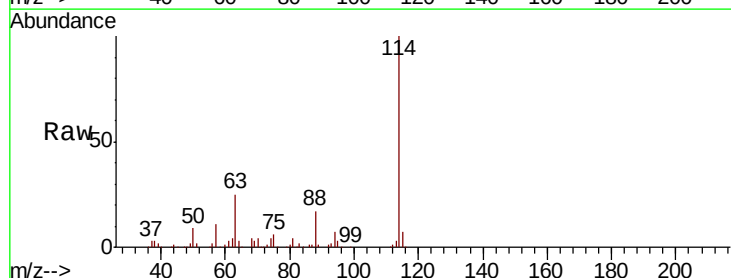
Tgt Ion: 114 Resp: 248970

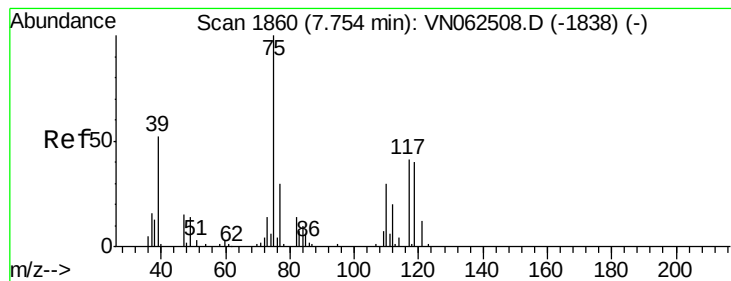
Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.0

88 17.3 13.5 20.3

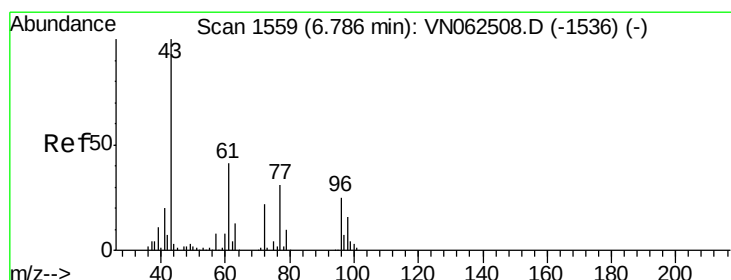
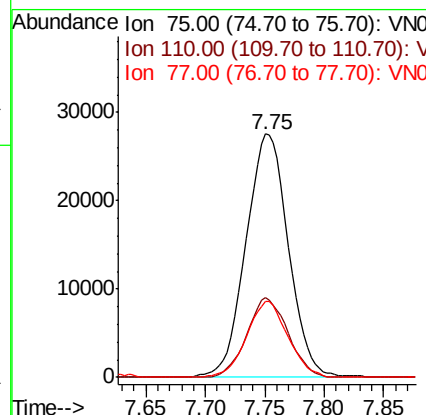
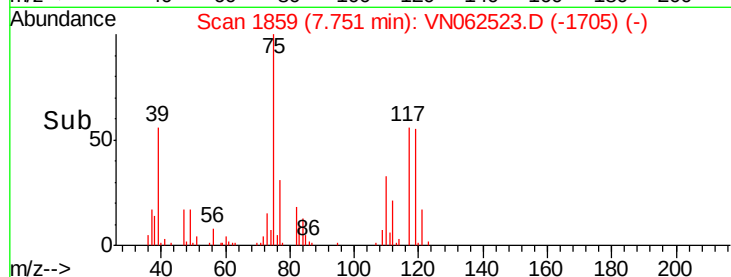
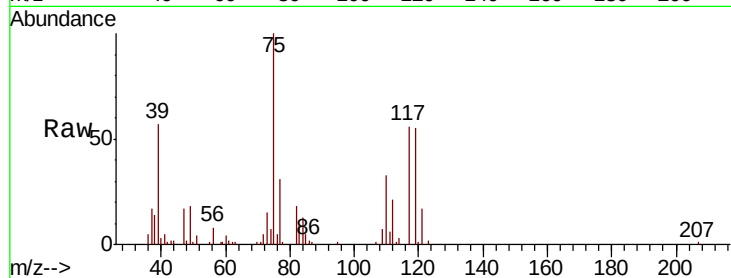




#29
 1,1-Dichloropropene
 Concen: 16.112 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

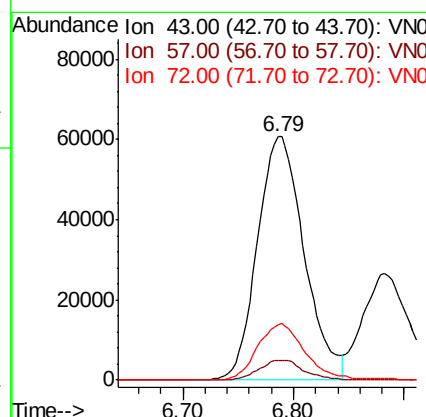
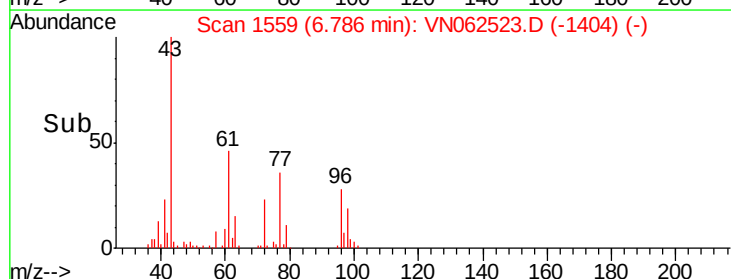
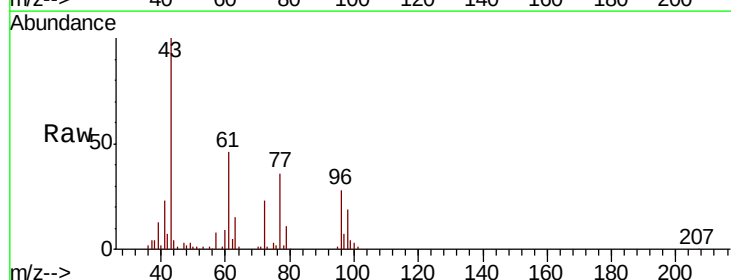
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

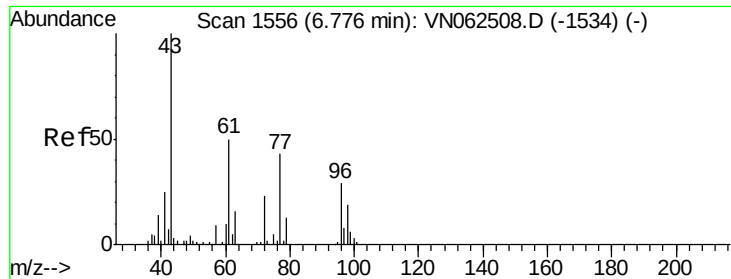
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.7	0.0	62.4
77	30.3	0.0	62.8



#30
 2-Butanone
 Concen: 79.657 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.6	9.8
72	23.3	18.5	27.7

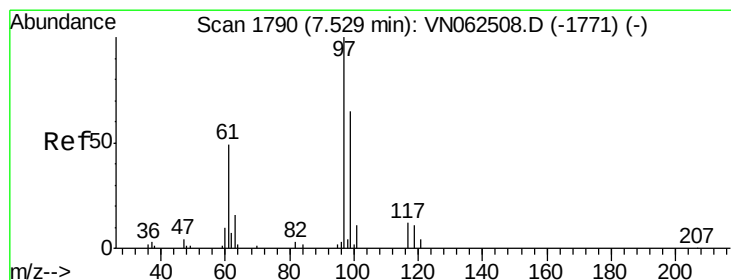
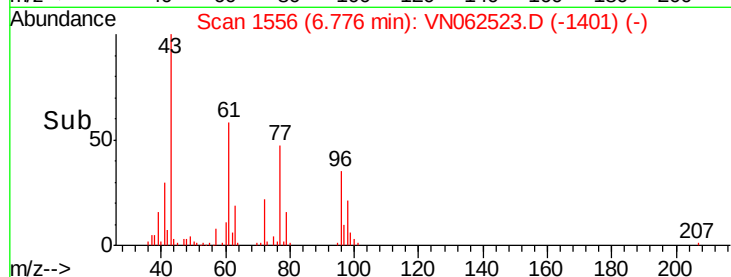
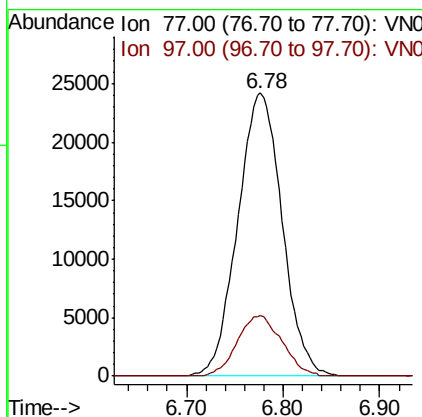
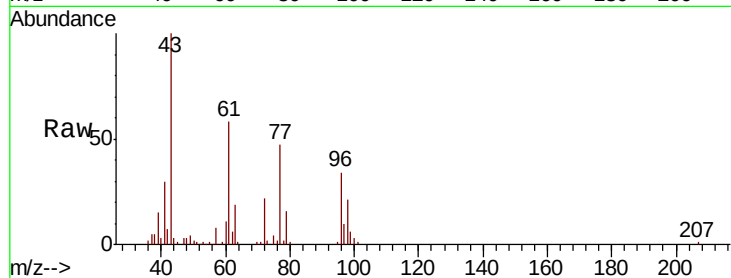




#31
 2,2-Dichloropropane
 Concen: 16.210 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

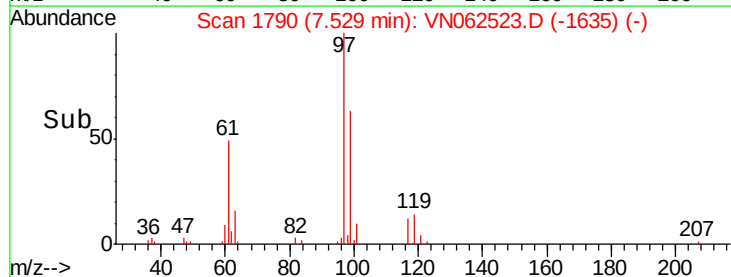
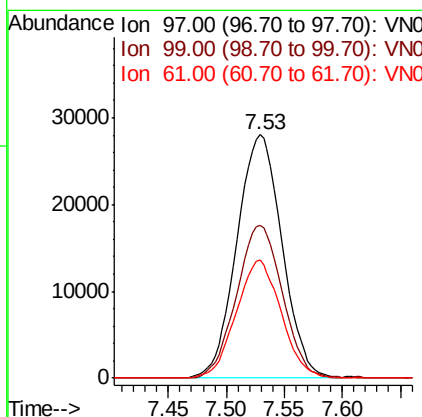
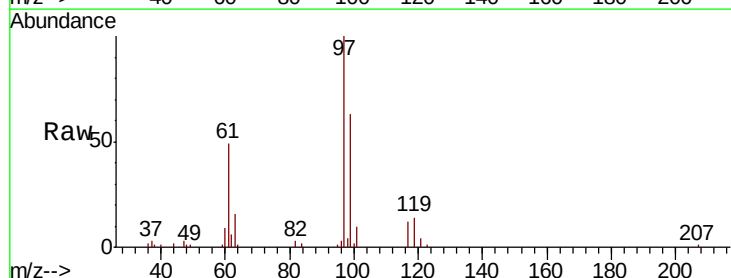
Instrument :
 MSVOA_N
 ClientSampled :
 VN0714WBS01

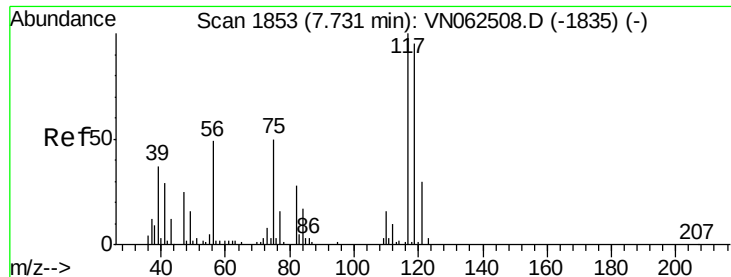
Tot Ion: 77 Resp: 77191
 Ion Ratio Lower Upper
 77 100
 97 21.5 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 16.743 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion: 97 Resp: 75997
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.8 77.8
 61 48.0 39.4 59.0

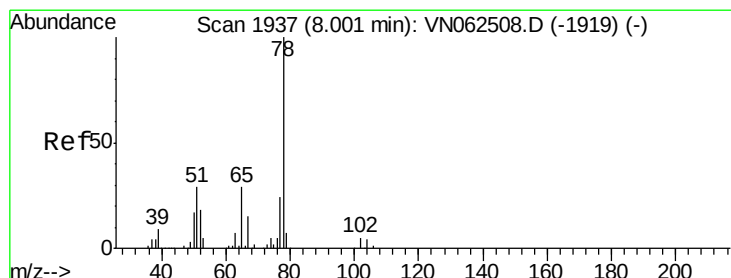
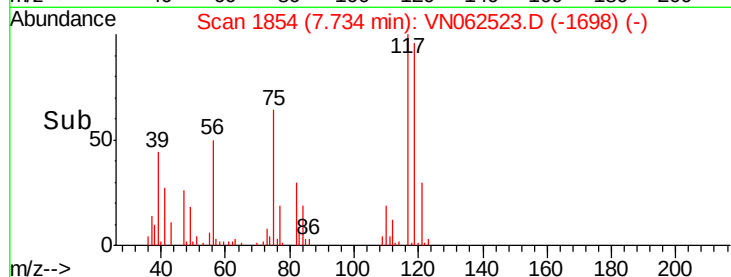
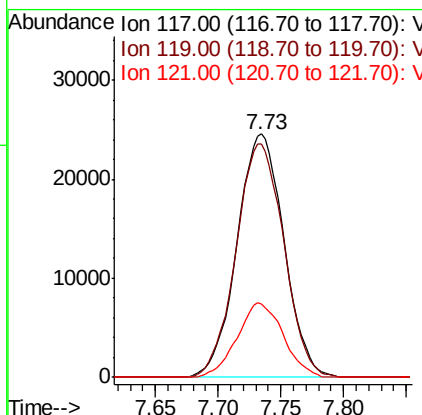
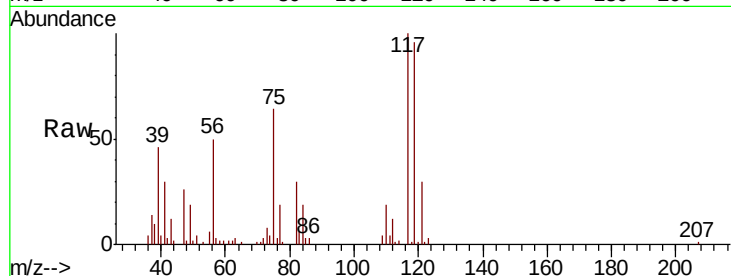




#33
Carbon Tetrachloride
Concen: 16.250 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

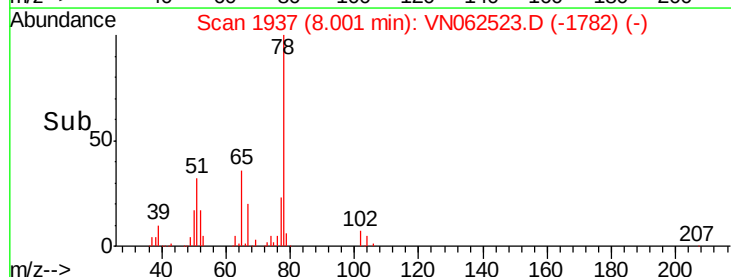
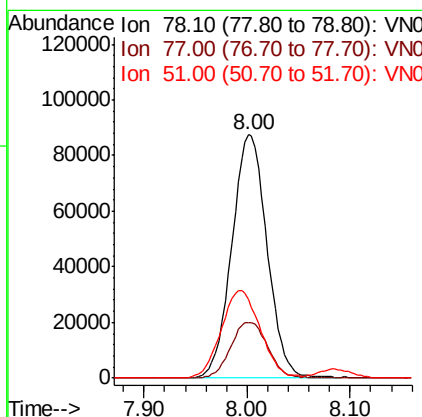
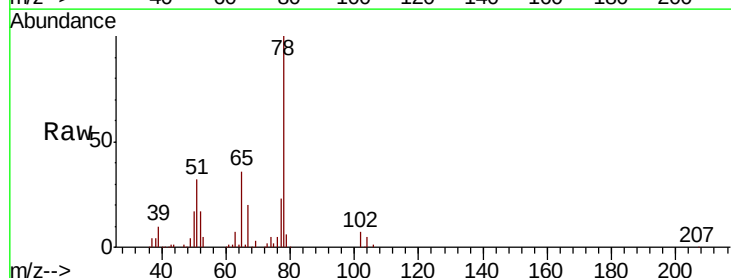
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

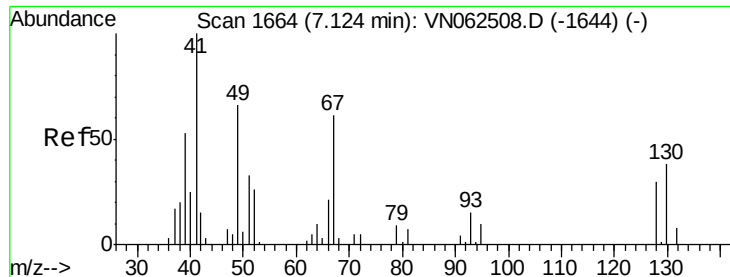
Tot Ion:117 Resp: 63937
Ion Ratio Lower Upper
117 100
119 95.9 76.2 114.4
121 30.0 23.8 35.6



#34
Benzene
Concen: 16.600 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 78 Resp: 208277
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3
51 31.9 23.1 34.7

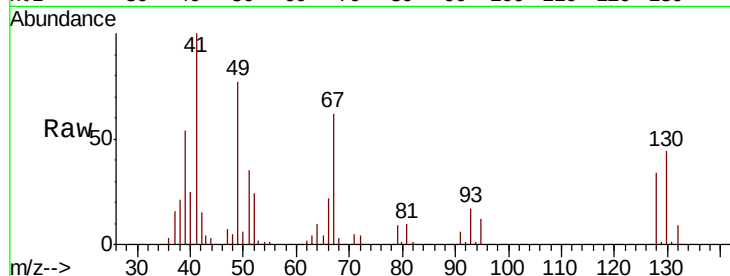




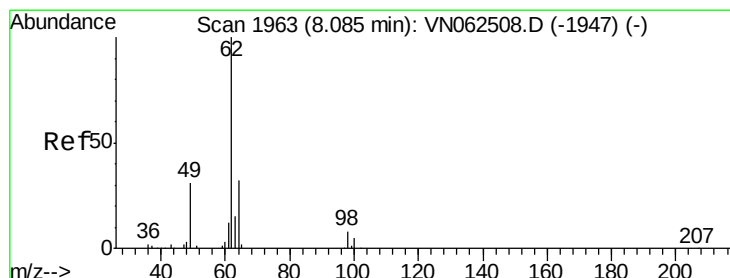
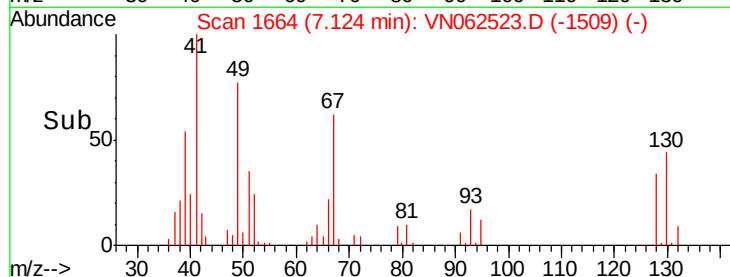
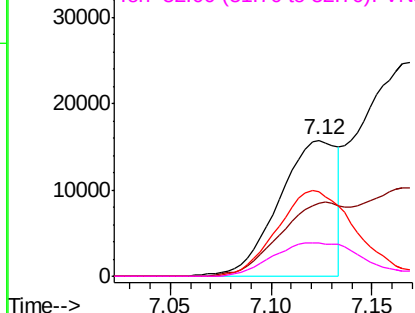
#35
Methacrylonitrile
Concen: 16.088 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VN0714WBS01

Tot Ion:	41	Resp:	31652
Ion	Ratio	Lower	Upper
41	100		
39	53.8	26.5	79.5
67	62.1	30.7	92.1
52	24.2	13.0	39.0

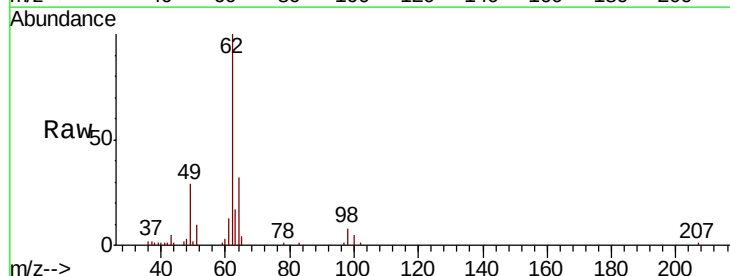


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

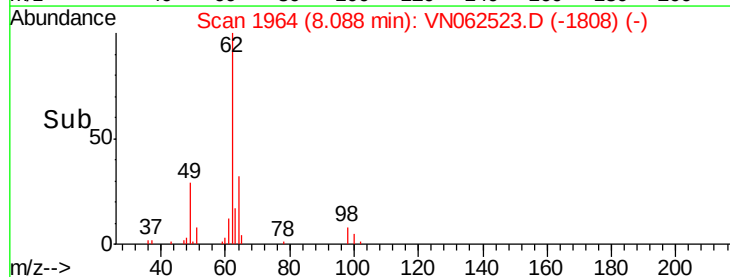
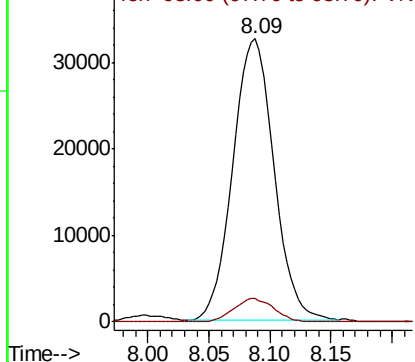


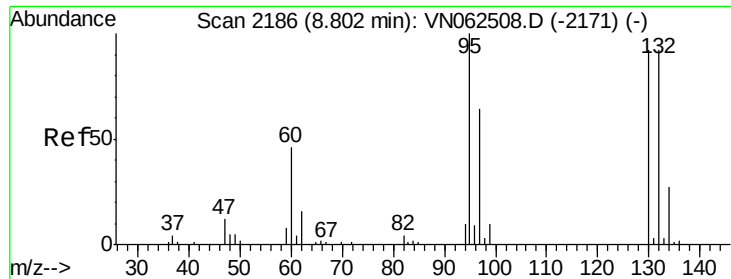
#36
1,2-Dichloroethane
Concen: 16.870 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion:	62	Resp:	76076
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.6	9.8



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 16.677 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

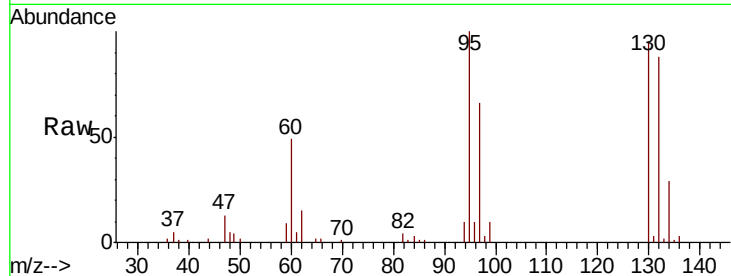
VN0714WBS01

Tot Ion:130 Resp: 46998

Ion Ratio Lower Upper

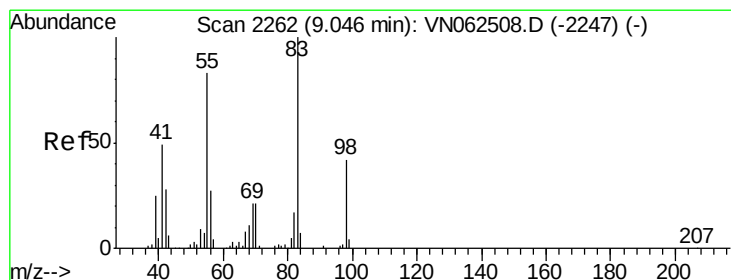
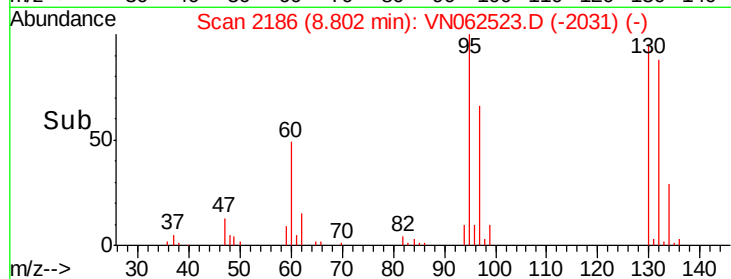
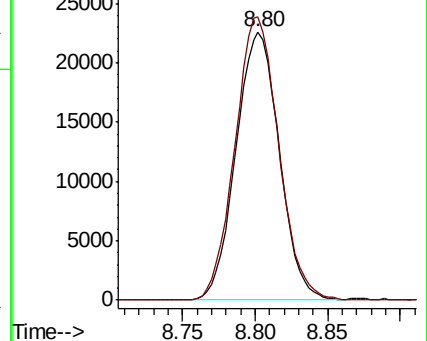
130 100

95 105.6 86.5 129.7



Abundance Ion 129.90 (129.60 to 130.60): VN062508.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN062508.D (-2171) (-)



#38

Methylcyclohexane

Concen: 15.541 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

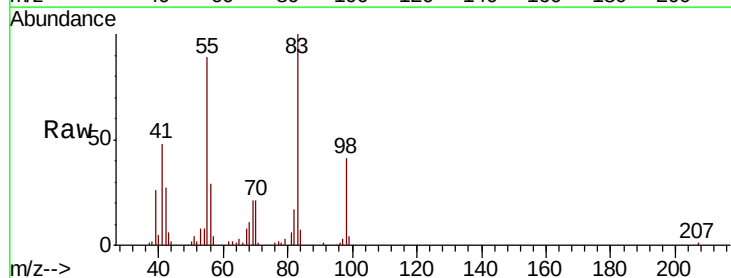
Tgt Ion: 83 Resp: 73624

Ion Ratio Lower Upper

83 100

55 84.4 42.8 128.3

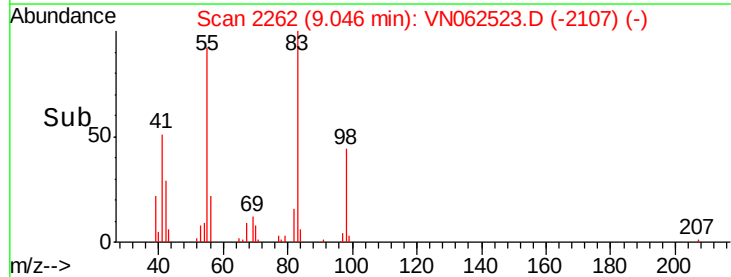
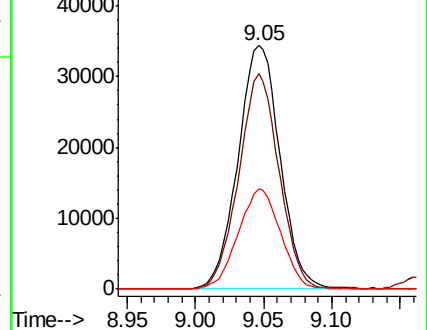
98 41.3 21.9 65.7

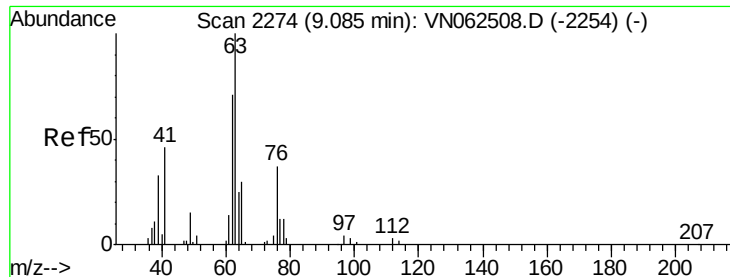


Abundance Ion 83.00 (82.70 to 83.70): VN062508.D (-2247) (-)

Ion 55.00 (54.70 to 55.70): VN062508.D (-2247) (-)

Ion 98.00 (97.70 to 98.70): VN062508.D (-2247) (-)





#39

1,2-Dichloropropane

Concen: 16.728 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

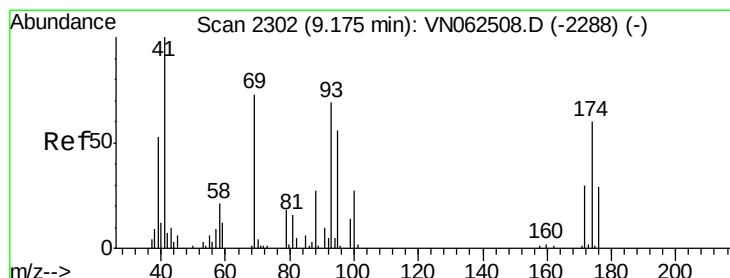
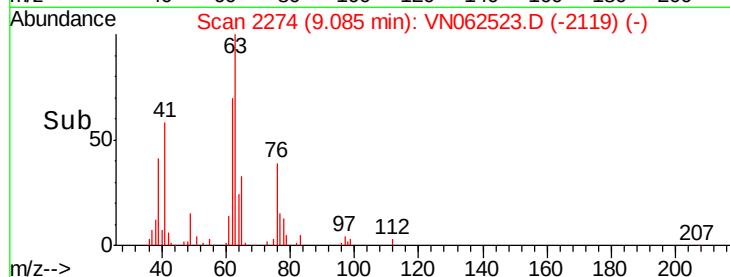
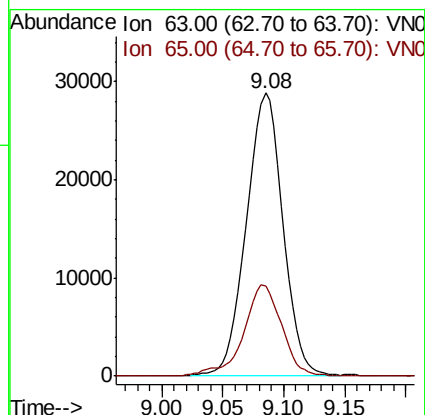
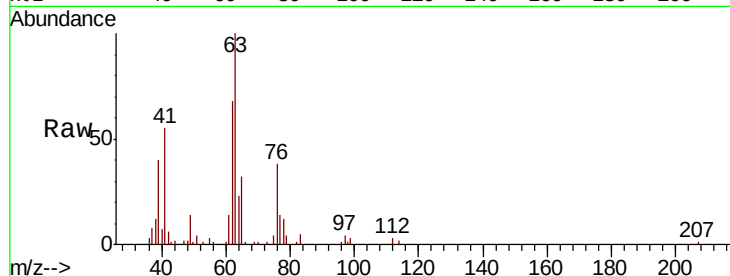
VN0714WBS01

Tot Ion: 63 Resp: 59791

Ion Ratio Lower Upper

63 100

65 32.0 24.2 36.4



#40

Dibromomethane

Concen: 16.703 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

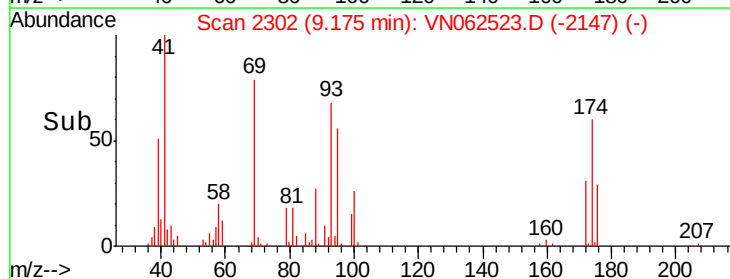
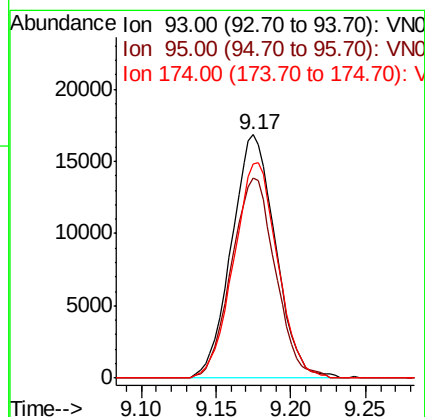
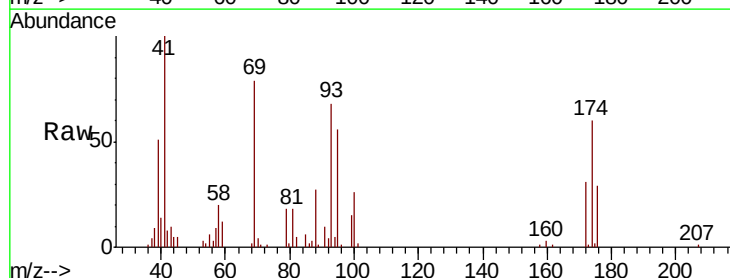
Tgt Ion: 93 Resp: 34407

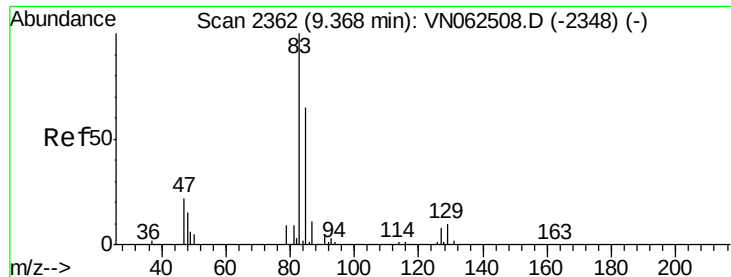
Ion Ratio Lower Upper

93 100

95 82.1 0.0 161.2

174 88.3 0.0 178.0





#41

Bromodichloromethane

Concen: 16.623 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

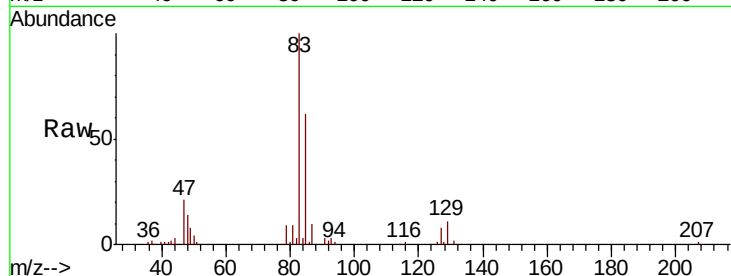
Tot Ion: 83 Resp: 72630

Ion Ratio Lower Upper

83 100

85 62.2 51.6 77.4

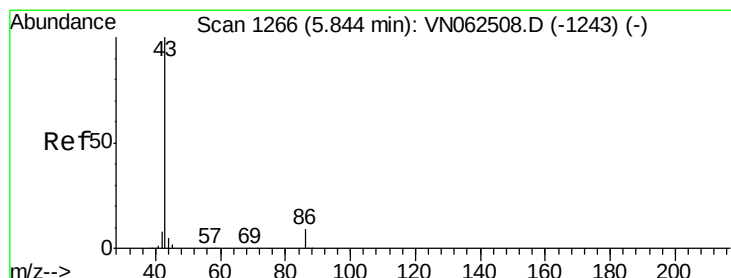
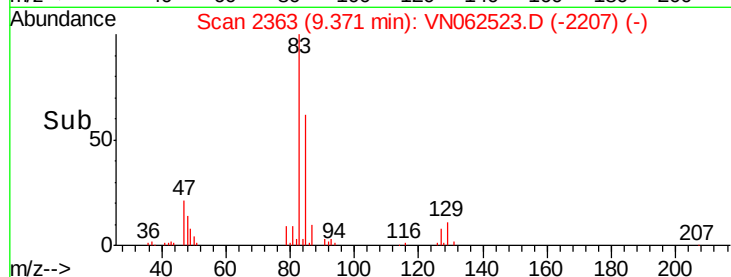
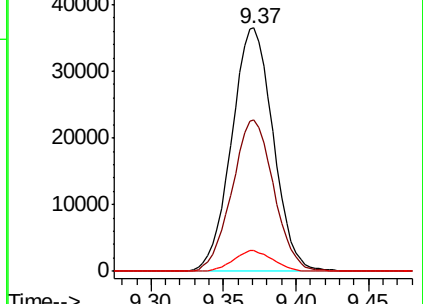
127 9.1 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VN062508.D (-2348) (-)

Ion 85.00 (84.70 to 85.70): VN062508.D (-2348) (-)

Ion 127.00 (126.70 to 127.70): VN062508.D (-2348) (-)



#42

Vinyl Acetate

Concen: 83.398 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062523.D

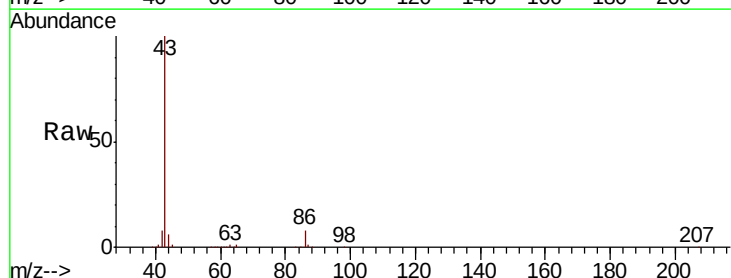
Acq: 14 Jul 2020 11:36

Tgt Ion: 43 Resp: 776180

Ion Ratio Lower Upper

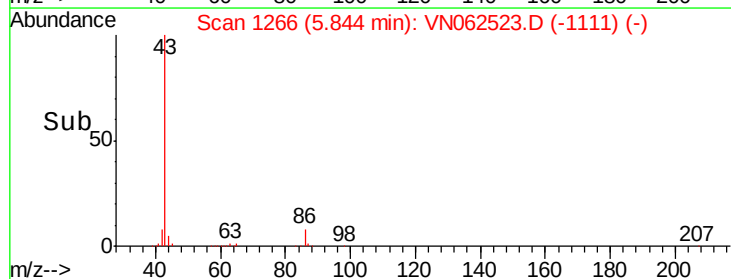
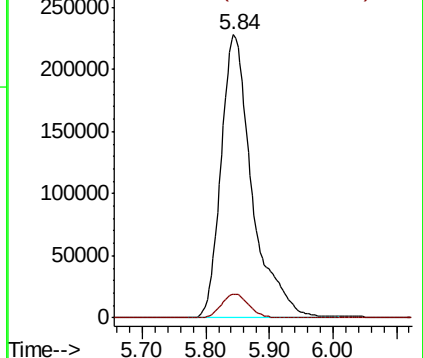
43 100

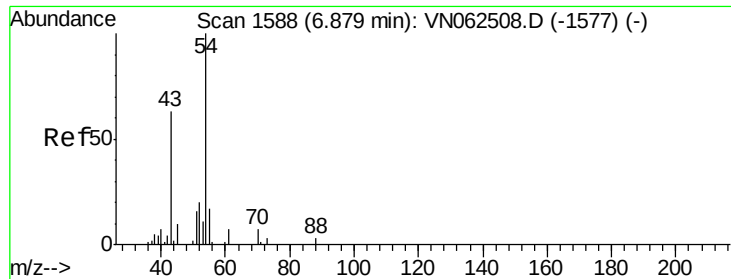
86 7.4 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN062508.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062508.D (-1243) (-)

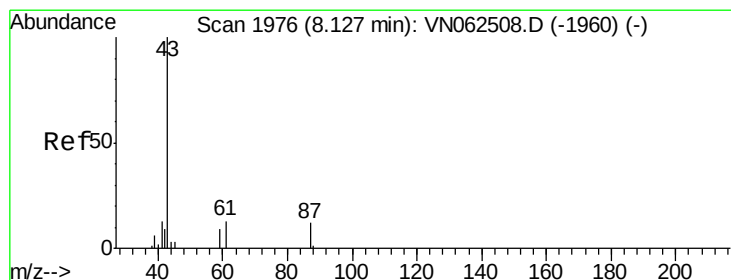
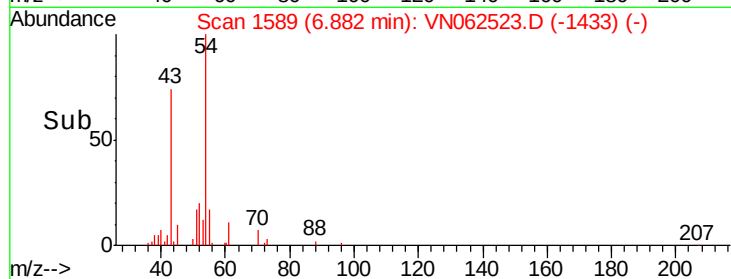
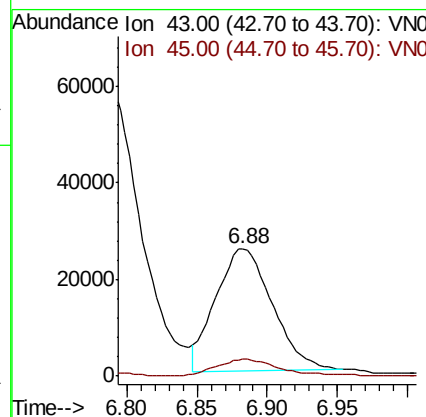
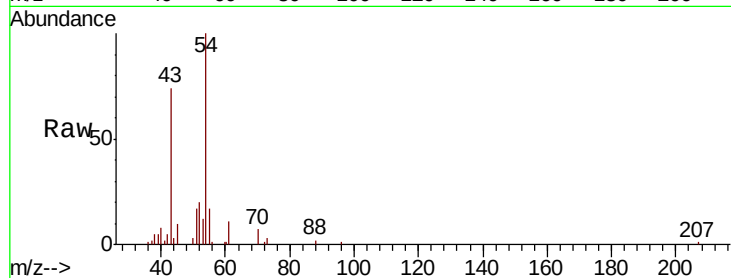




#43
Ethyl Acetate
Concen: 15.854 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

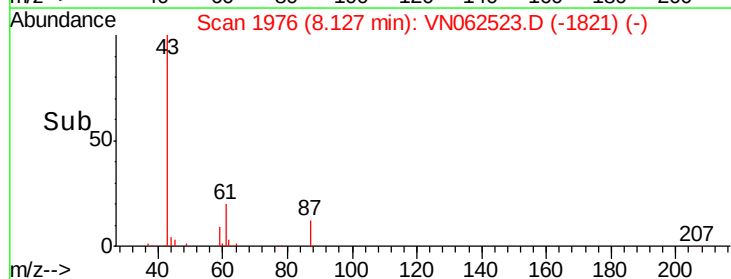
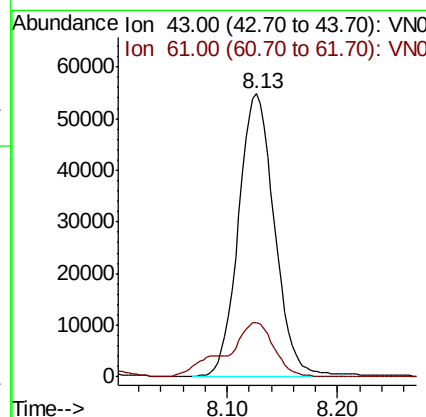
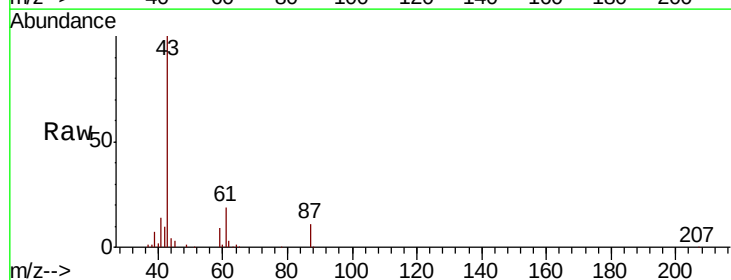
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

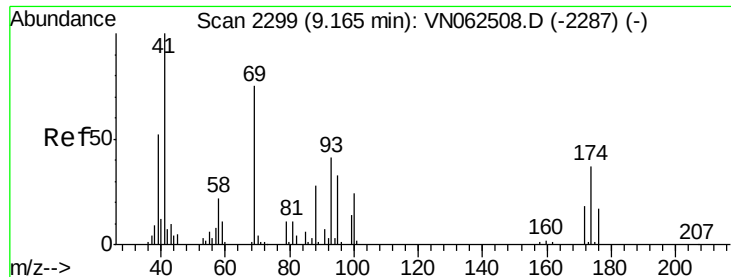
Tot Ion: 43 Resp: 71386
Ion Ratio Lower Upper
43 100
45 15.7 10.2 15.4#



#44
Isopropyl Acetate
Concen: 16.439 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 43 Resp: 124191
Ion Ratio Lower Upper
43 100
61 18.9 14.7 22.1

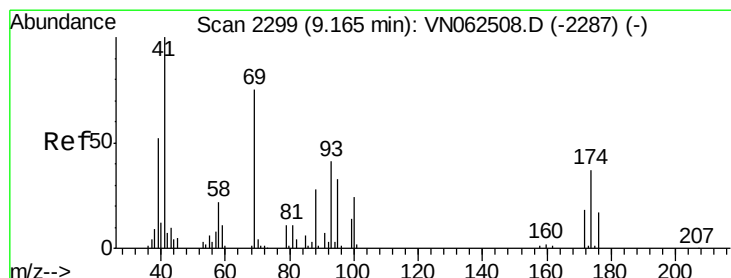
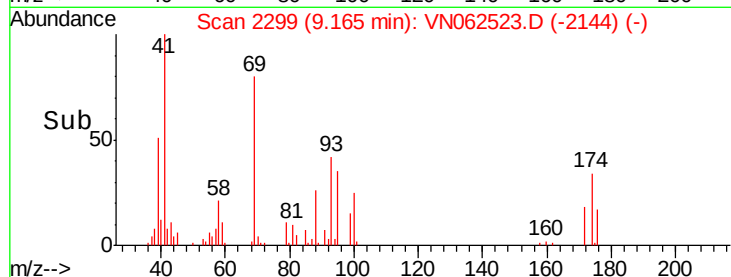
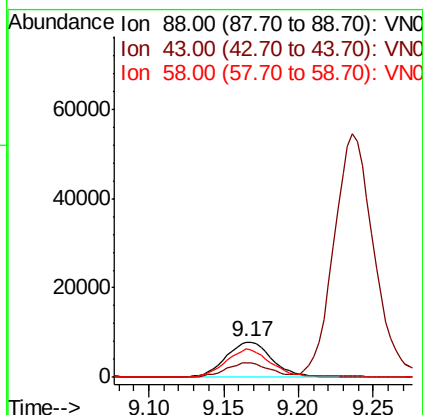
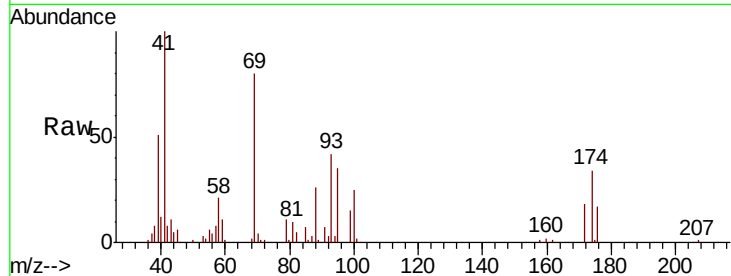




#45
 1,4-Dioxane
 Concen: 332.450 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

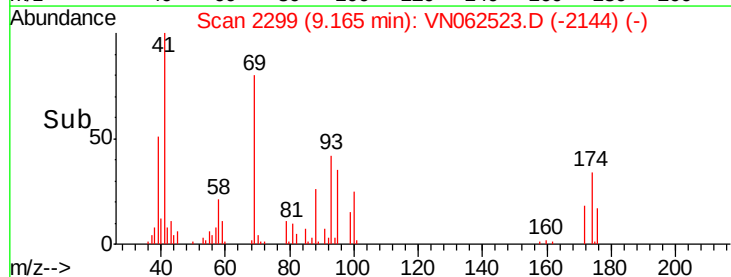
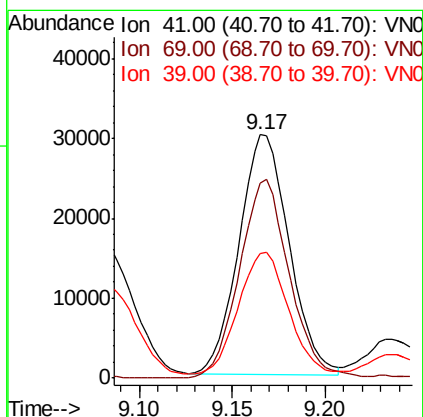
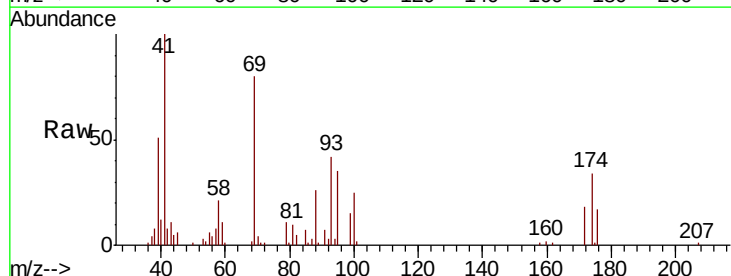
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

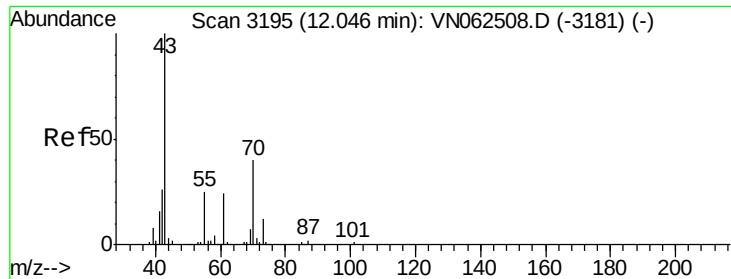
Tot Ion: 88 Resp: 17181
 Ion Ratio Lower Upper
 88 100
 43 39.3 29.2 43.8
 58 75.9 62.2 93.4



#46
 Methyl methacrylate
 Concen: 15.707 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion: 41 Resp: 56297
 Ion Ratio Lower Upper
 41 100
 69 81.7 37.4 112.2
 39 50.5 25.9 77.6





#47

n-amvl Acetate

Concen: 15.328 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

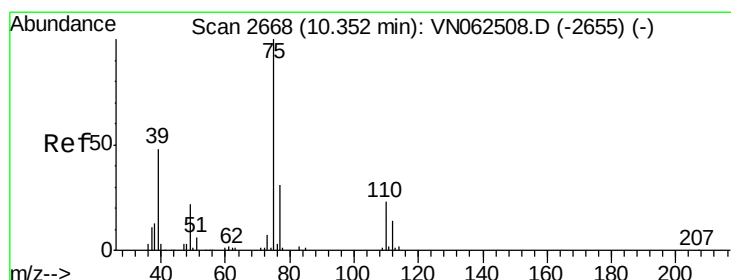
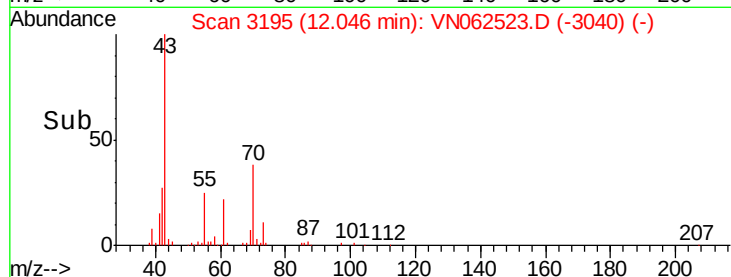
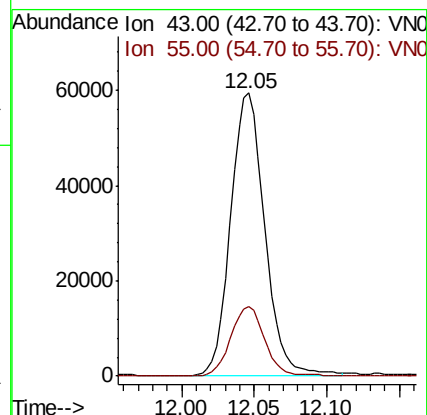
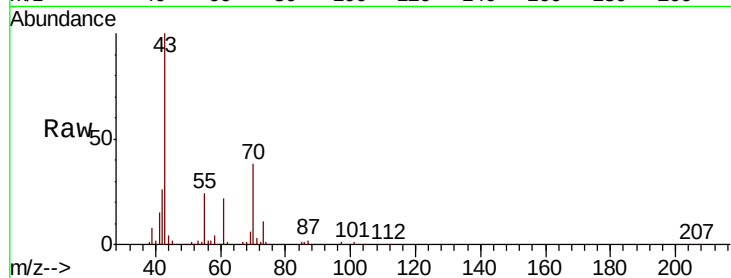
VN0714WBS01

Tot Ion: 43 Resp: 97613

Ion Ratio Lower Upper

43 100

55 24.6 20.4 30.6



#48

t-1,3-Dichloropropene

Concen: 15.790 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062523.D

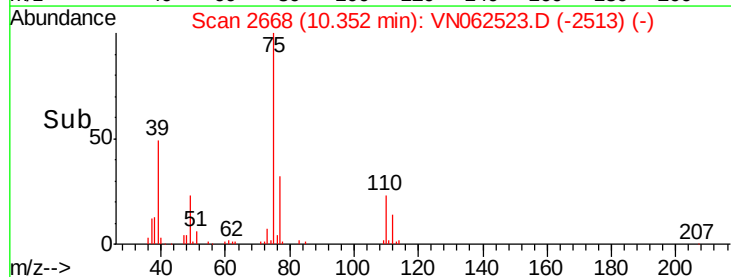
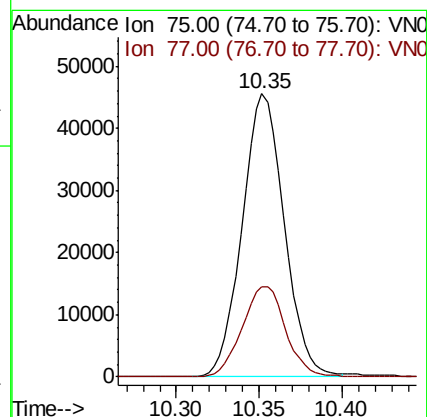
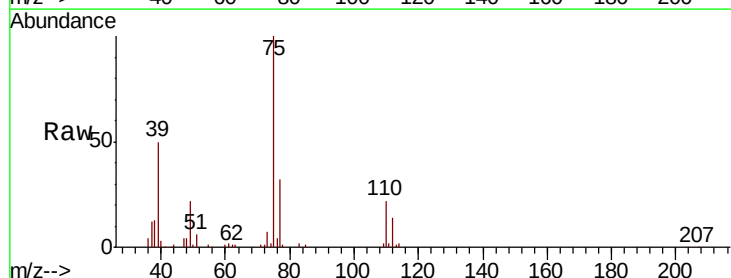
Acq: 14 Jul 2020 11:36

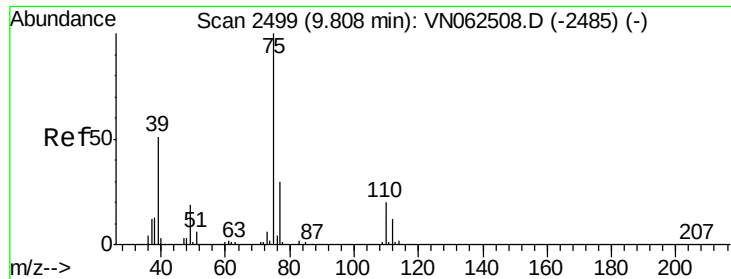
Tgt Ion: 75 Resp: 80470

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 16.076 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

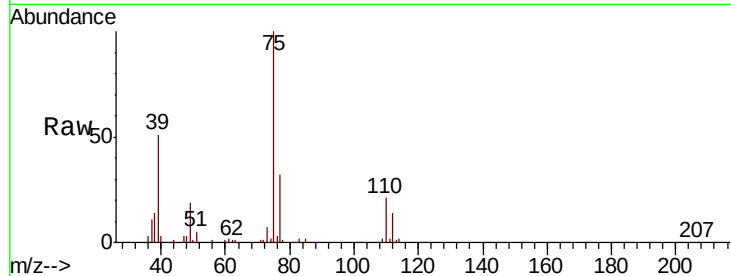
Tot Ion: 75 Resp: 88439

Ion Ratio Lower Upper

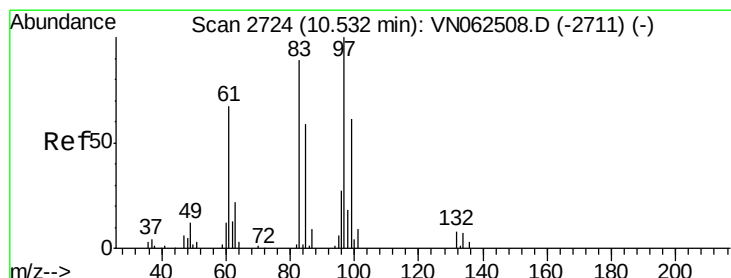
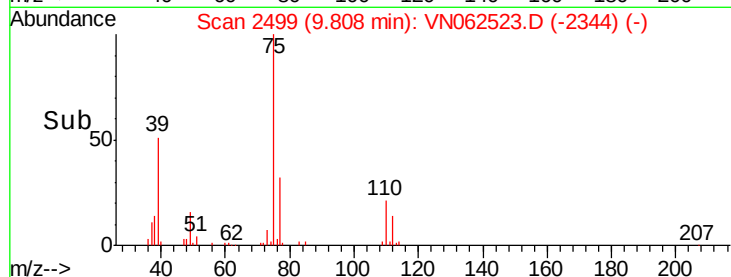
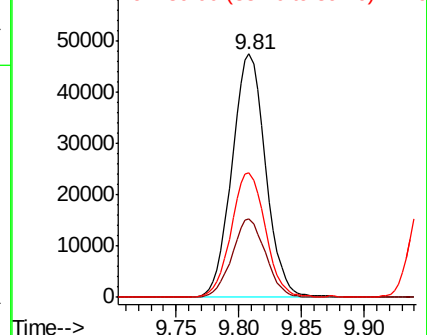
75 100

77 32.3 23.7 35.5

39 50.9 40.5 60.7



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 16.556 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Tgt Ion: 97 Resp: 47804

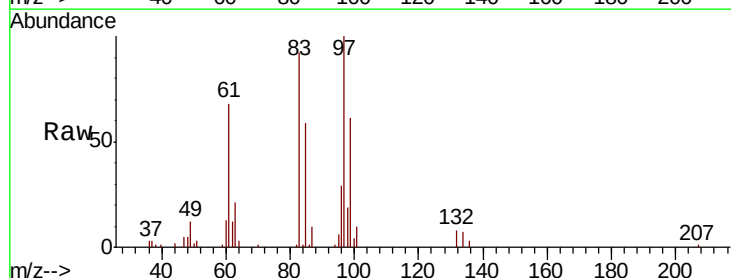
Ion Ratio Lower Upper

97 100

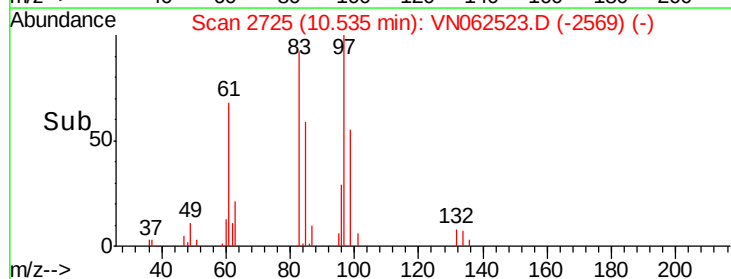
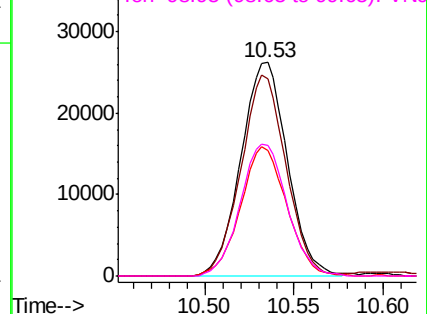
83 92.3 71.3 106.9

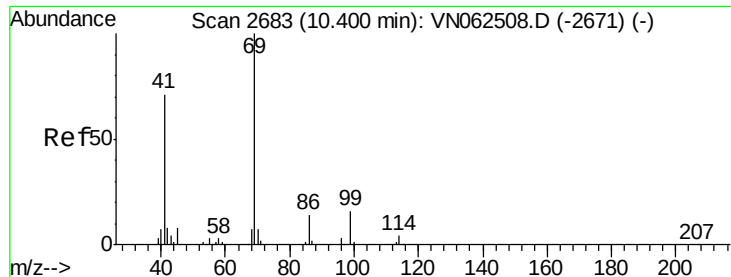
85 58.7 47.2 70.8

99 60.9 48.4 72.6



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 15.907 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

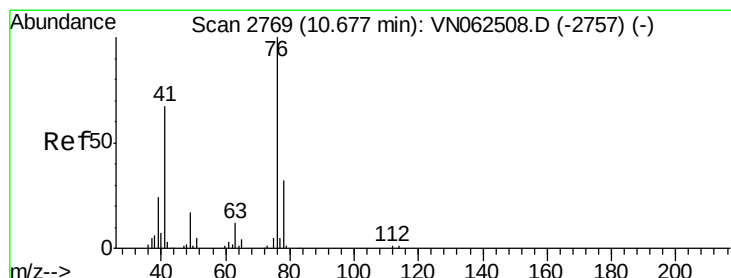
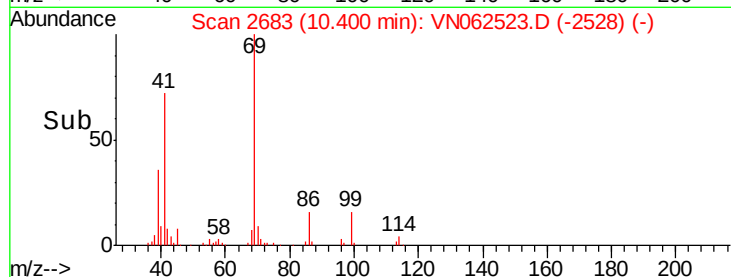
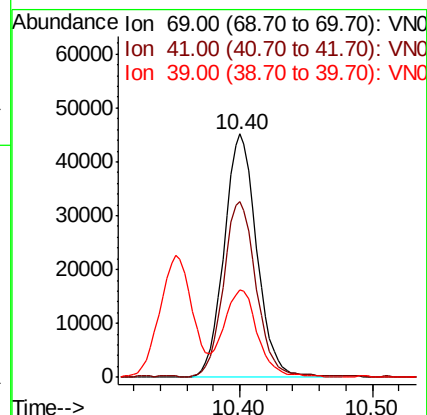
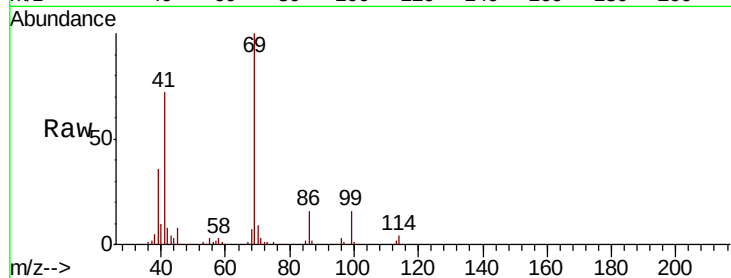
Tot Ion: 69 Resp: 77331

Ion Ratio Lower Upper

69 100

41 71.5 35.6 106.8

39 35.5 17.2 51.5



#52

1,3-Dichloropropane

Concen: 16.418 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062523.D

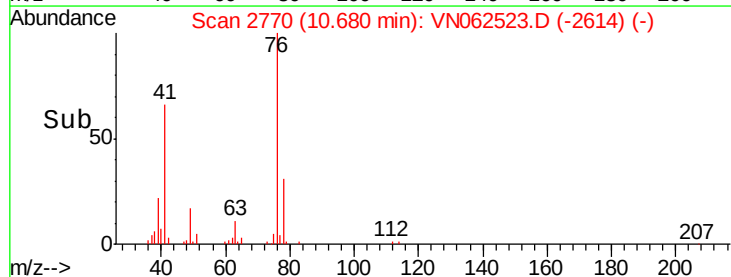
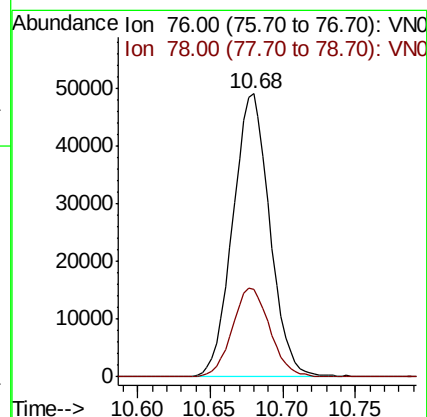
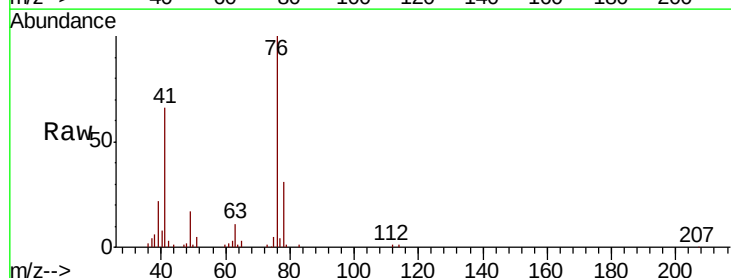
Acq: 14 Jul 2020 11:36

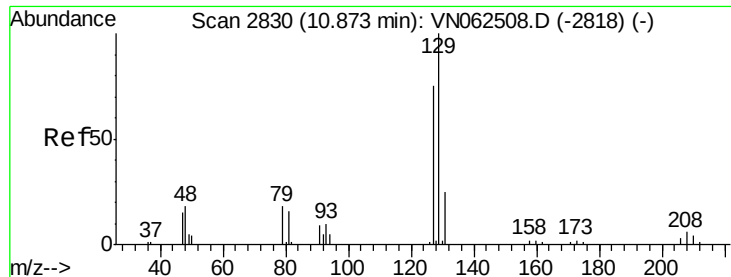
Tgt Ion: 76 Resp: 87007

Ion Ratio Lower Upper

76 100

78 31.7 0.0 63.6

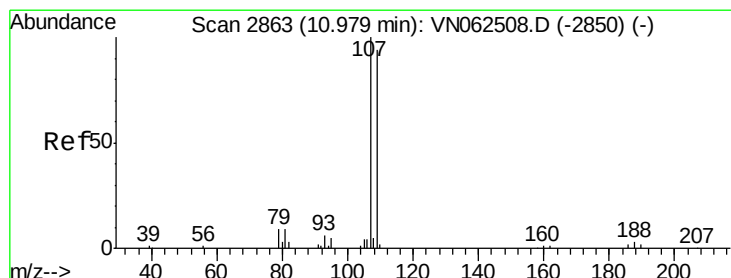
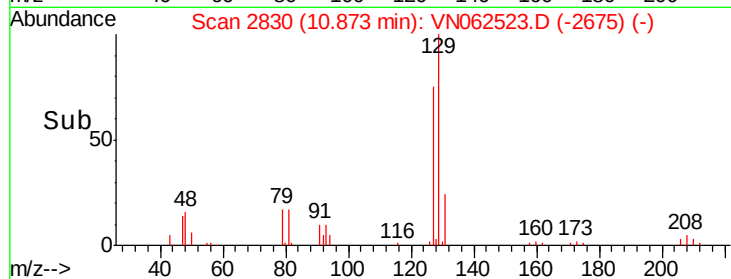
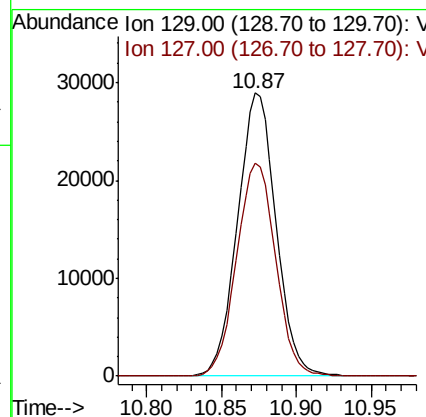
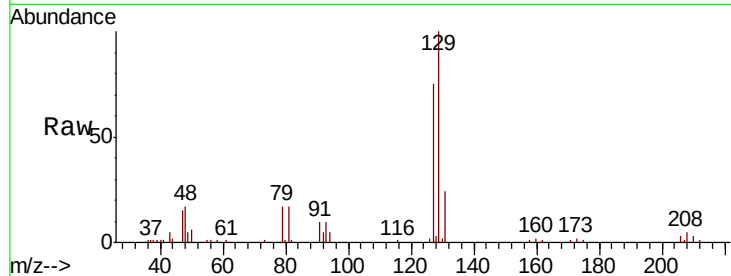




#53
 Dibromochloromethane
 Concen: 16.475 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

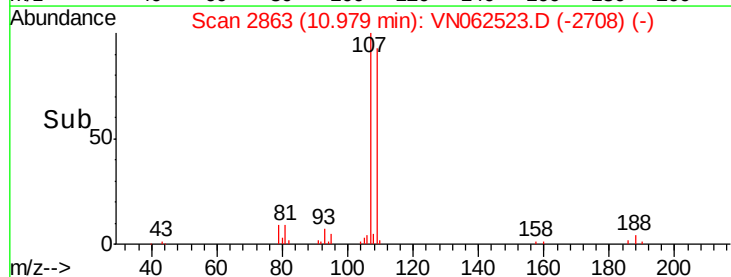
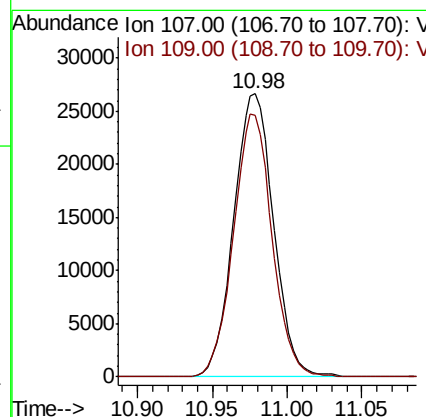
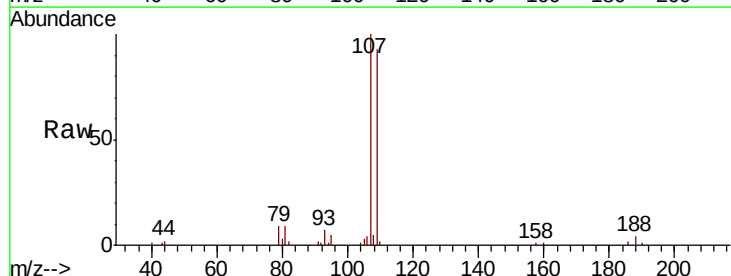
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

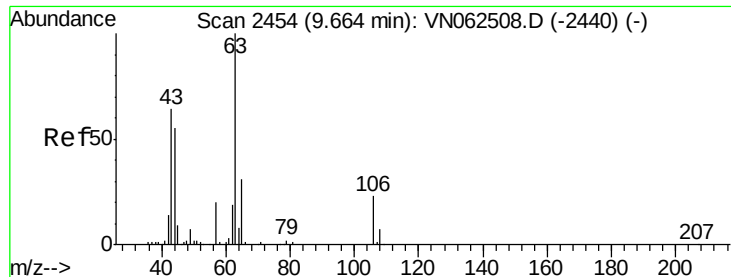
Tot Ion:129 Resp: 51830
 Ion Ratio Lower Upper
 129 100
 127 76.3 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 16.728 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion:107 Resp: 49439
 Ion Ratio Lower Upper
 107 100
 109 89.9 74.8 112.2

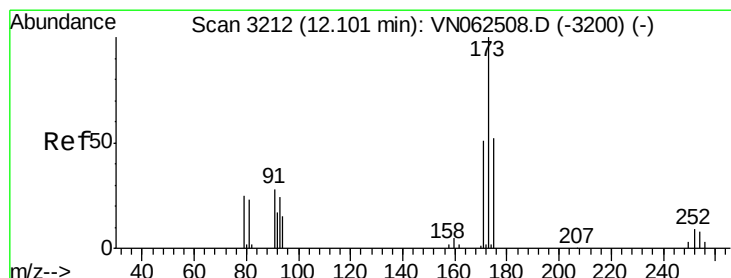
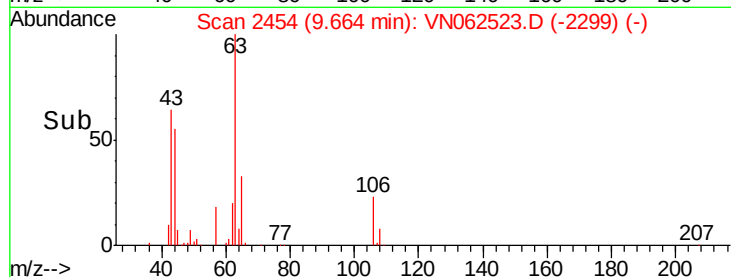
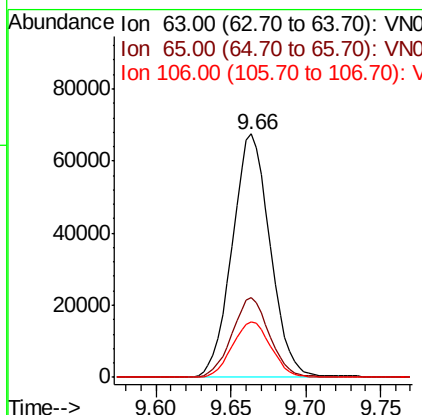
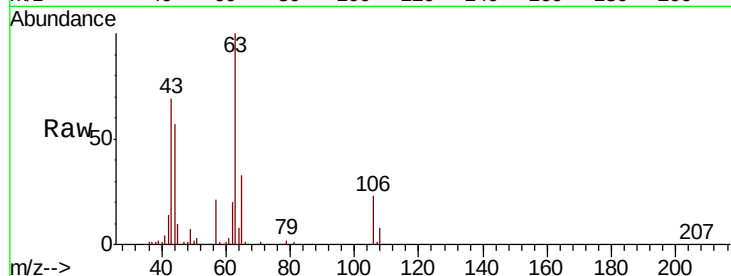




#55
2-Chloroethyl vinyl ether
Concen: 76.923 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

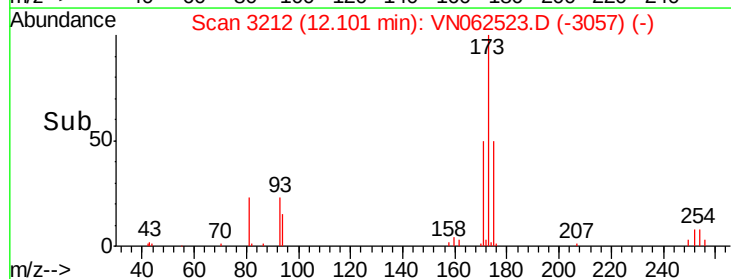
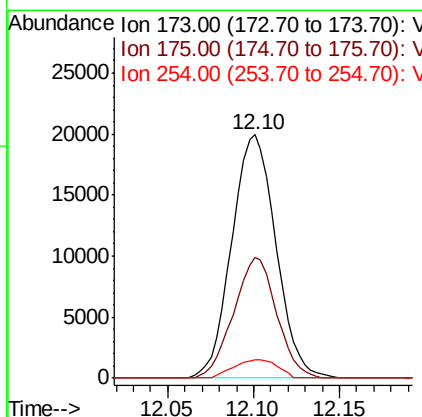
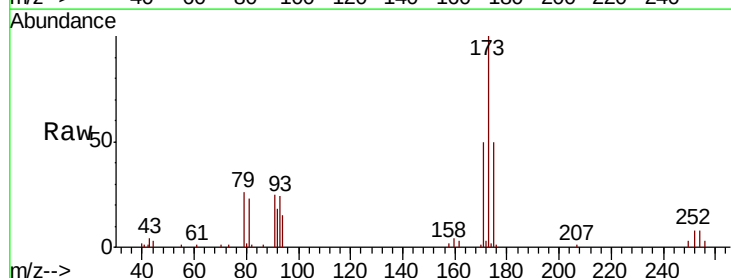
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

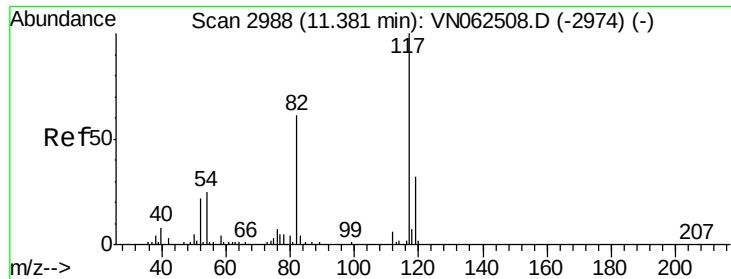
Tot Ion: 63 Resp: 119442
Ion Ratio Lower Upper
63 100
65 32.4 25.4 38.2
106 23.1 18.4 27.6



#56
Bromoform
Concen: 16.556 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 173 Resp: 35575
Ion Ratio Lower Upper
173 100
175 48.3 38.1 57.1
254 7.5 6.2 9.2

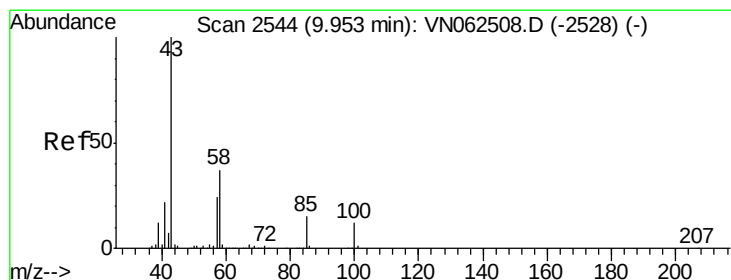
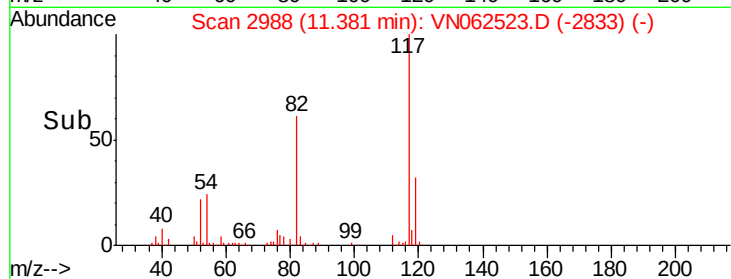
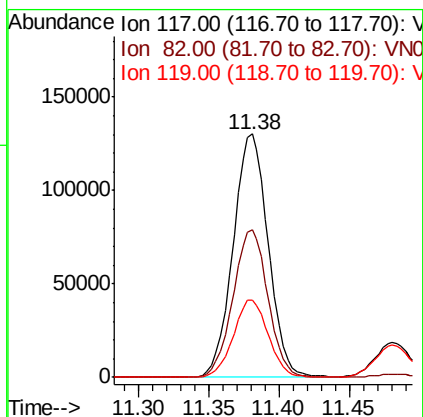
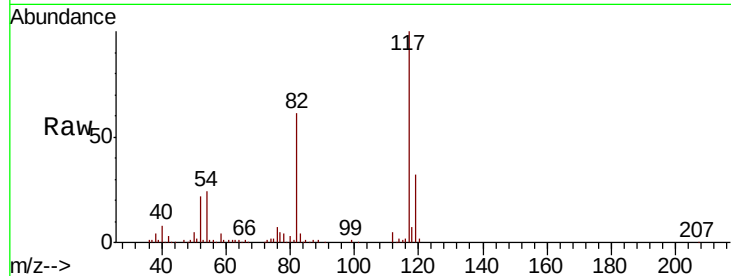




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

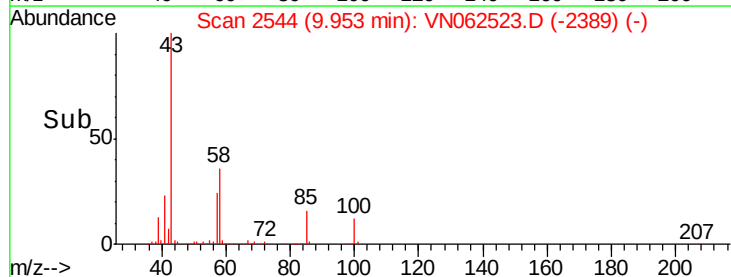
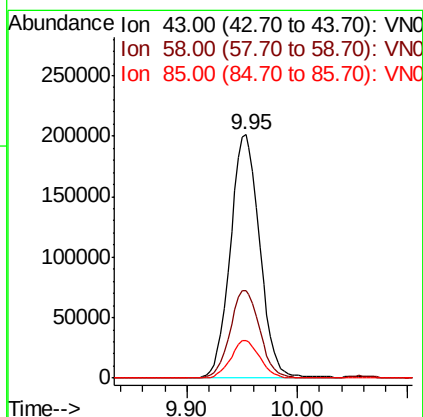
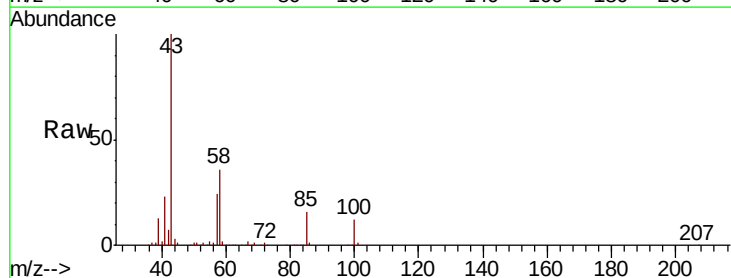
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

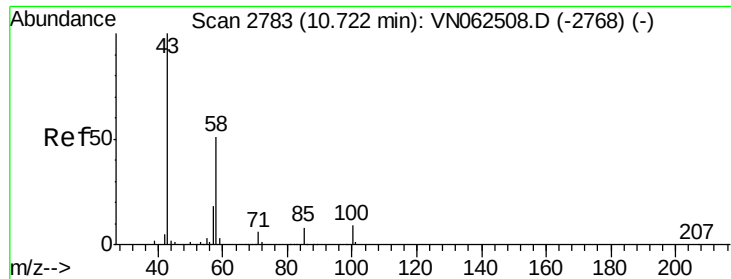
Tot Ion:117 Resp: 226859
Ion Ratio Lower Upper
117 100
82 60.3 49.0 73.6
119 31.7 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 83.901 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 43 Resp: 370837
Ion Ratio Lower Upper
43 100
58 36.4 29.6 44.4
85 15.2 12.0 18.0

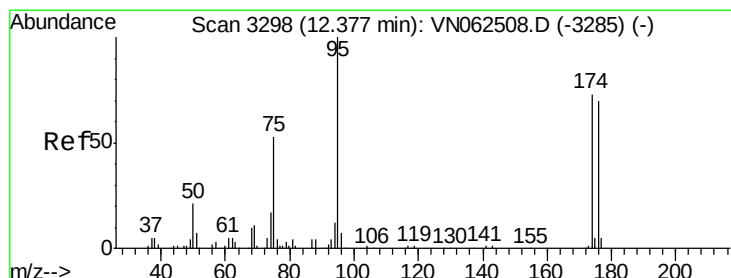
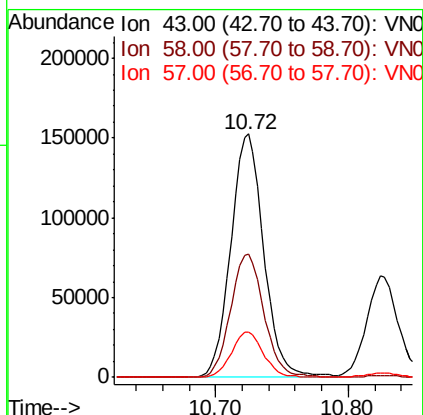
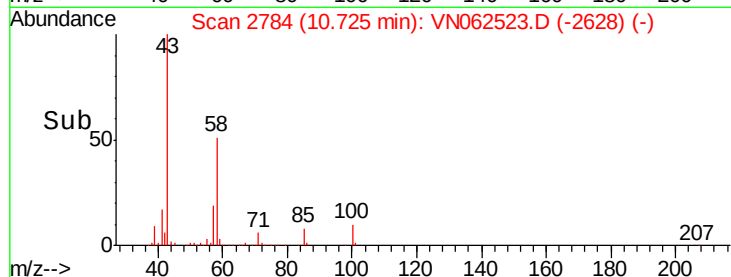
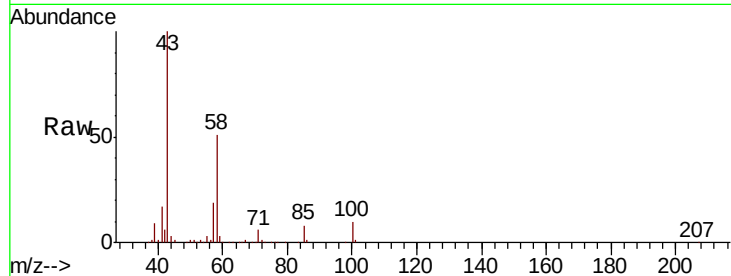




#59
2-Hexanone
Concen: 81.419 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

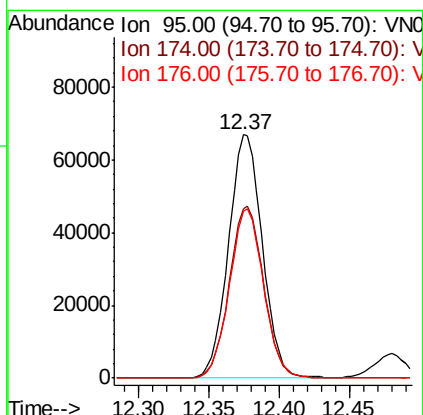
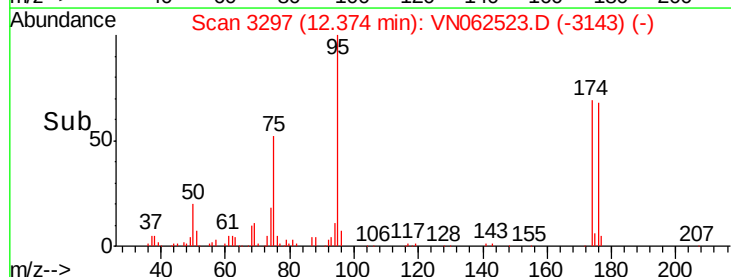
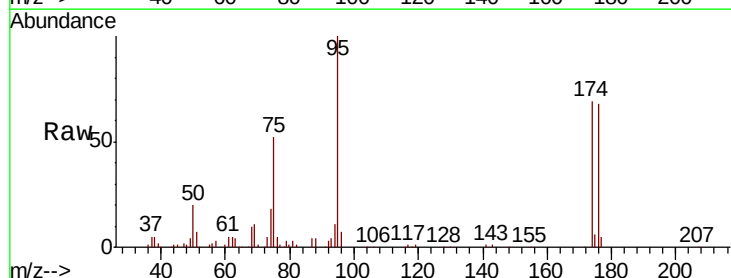
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

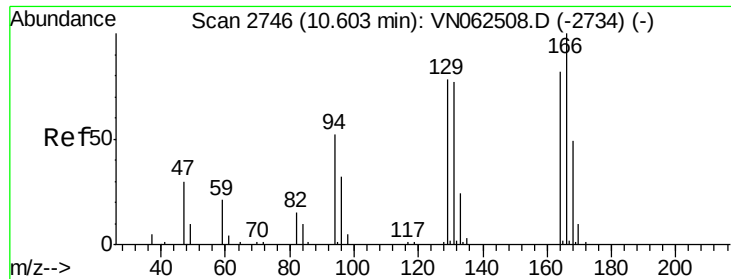
Tot Ion: 43 Resp: 263928
Ion Ratio Lower Upper
43 100
58 51.3 41.2 61.8
57 18.2 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.190 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion: 95 Resp: 112692
Ion Ratio Lower Upper
95 100
174 71.5 57.5 86.3
176 69.8 56.3 84.5





#61

Tetrachloroethene

Concen: 16.522 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

Tot Ion:164 Resp: 38384

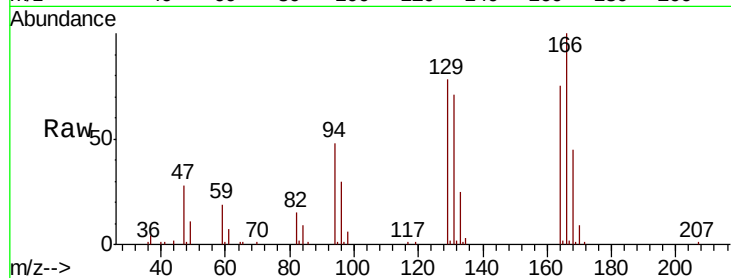
Ion Ratio Lower Upper

164 100

166 133.1 97.7 146.5

129 103.5 77.0 115.4

131 95.1 75.0 112.6

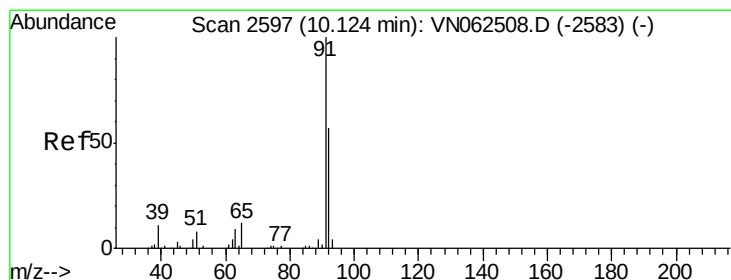
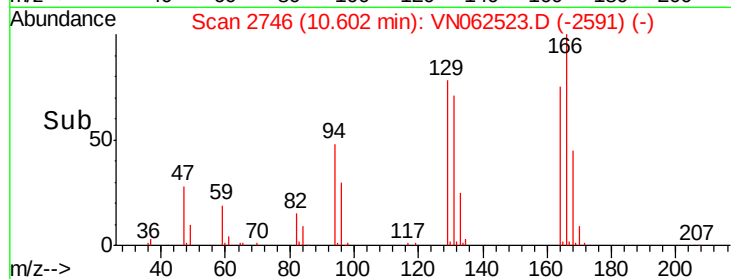
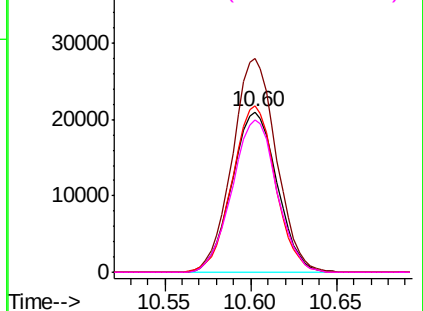


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 16.493 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062523.D

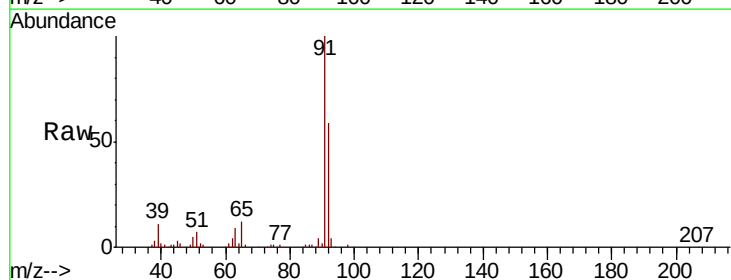
Acq: 14 Jul 2020 11:36

Tgt Ion: 91 Resp: 212262

Ion Ratio Lower Upper

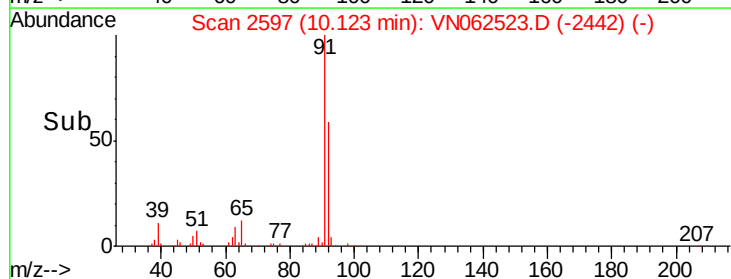
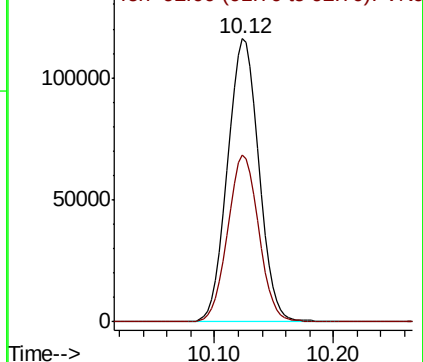
91 100

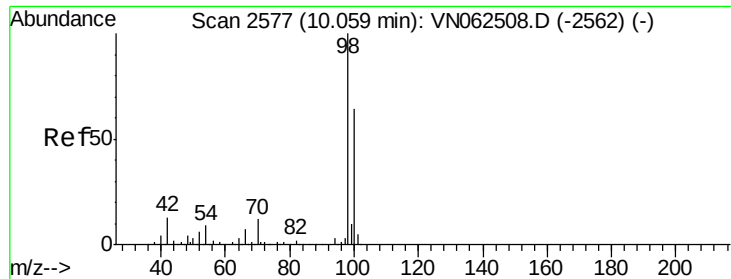
92 58.5 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.164 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

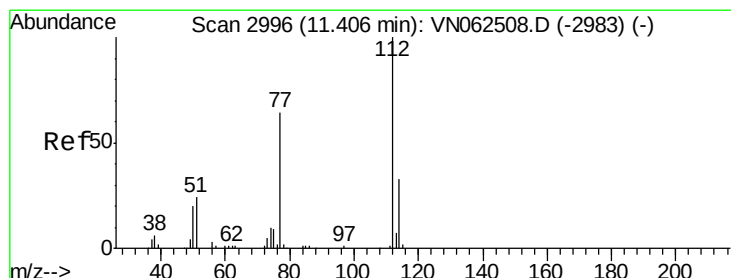
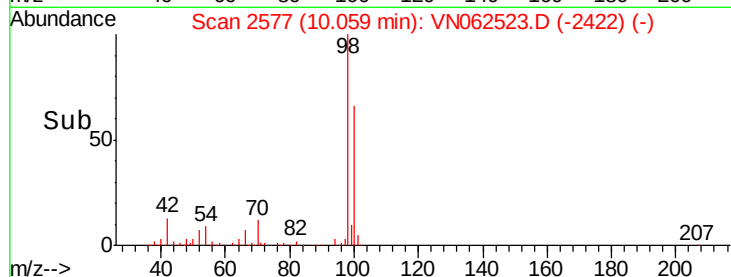
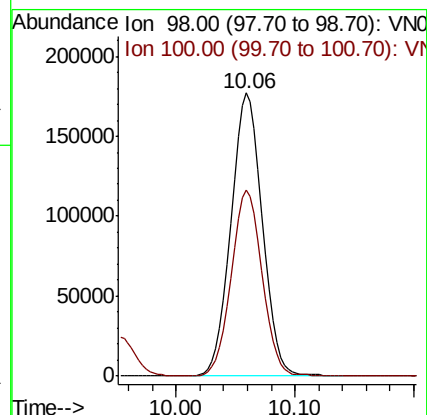
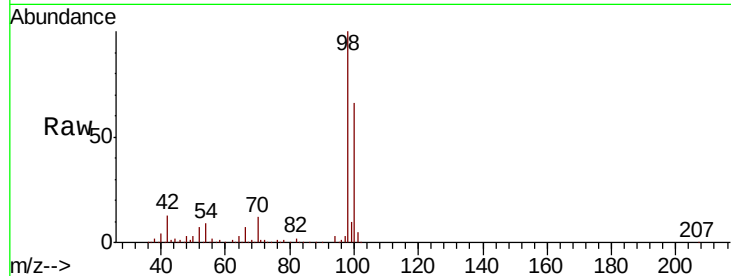
VN0714WBS01

Tot Ion: 98 Resp: 323354

Ion Ratio Lower Upper

98 100

100 64.2 50.4 75.6



#64

Chlorobenzene

Concen: 16.625 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062523.D

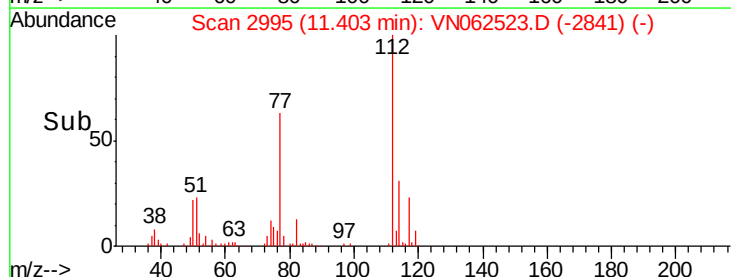
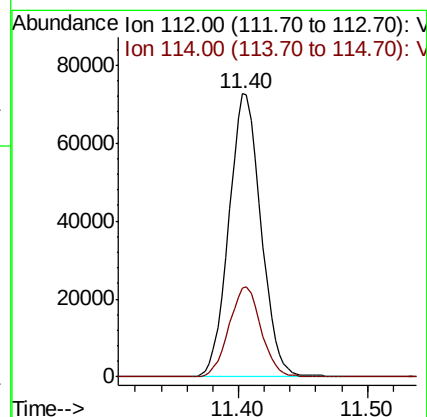
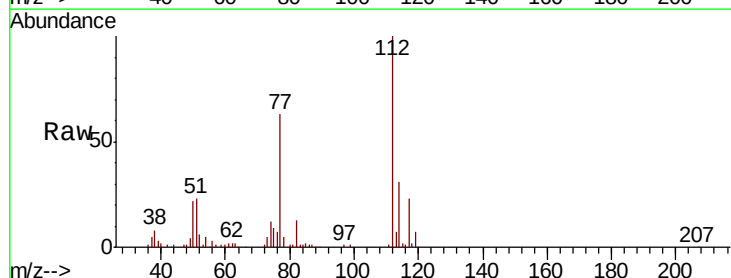
Acq: 14 Jul 2020 11:36

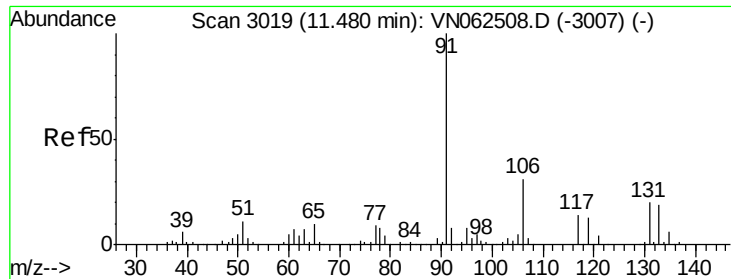
Tgt Ion: 112 Resp: 125726

Ion Ratio Lower Upper

112 100

114 31.2 26.0 39.0

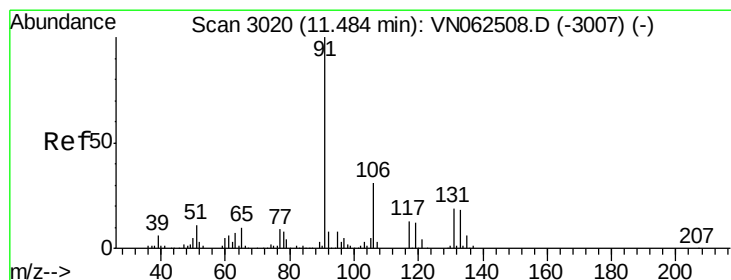
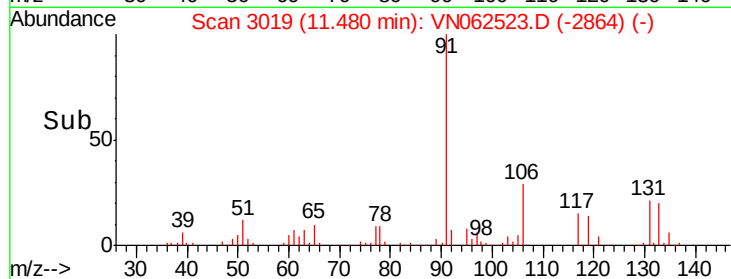
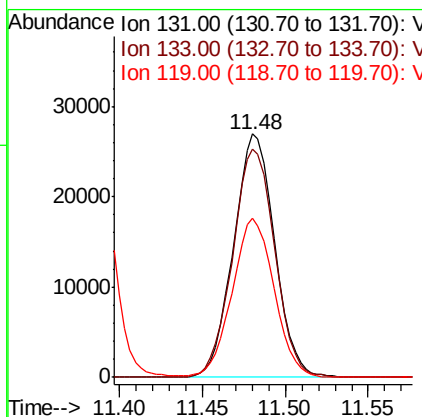
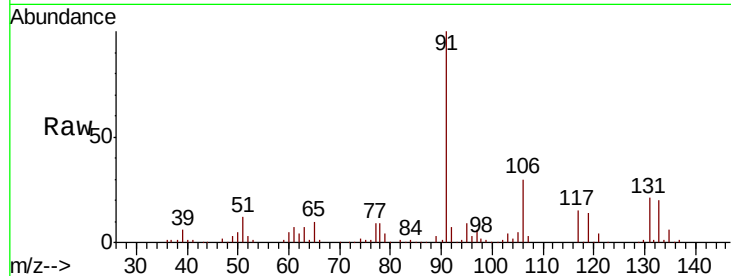




#65
 1,1,1,2-Tetrachloroethane
 Concen: 16.602 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

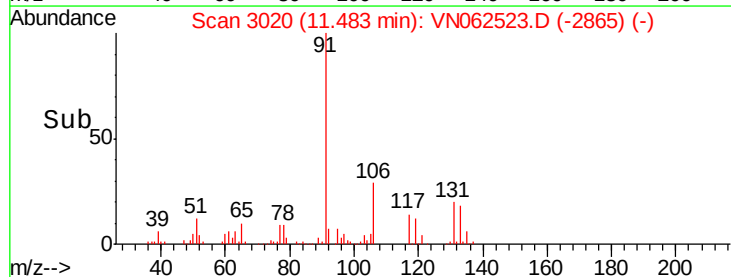
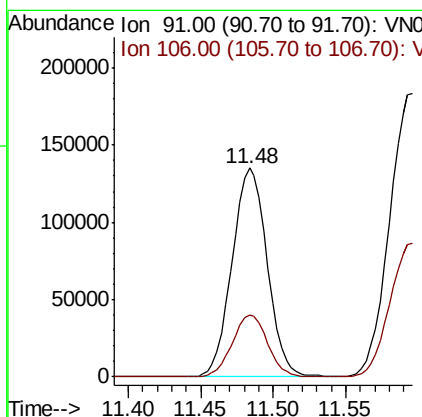
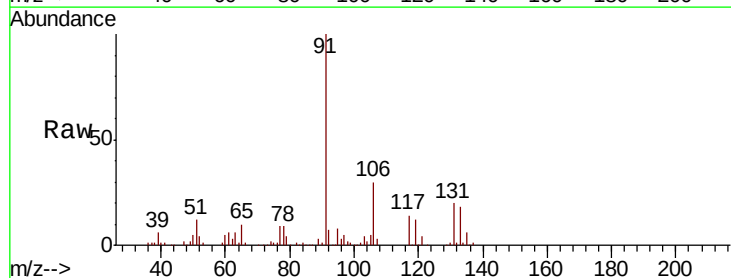
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

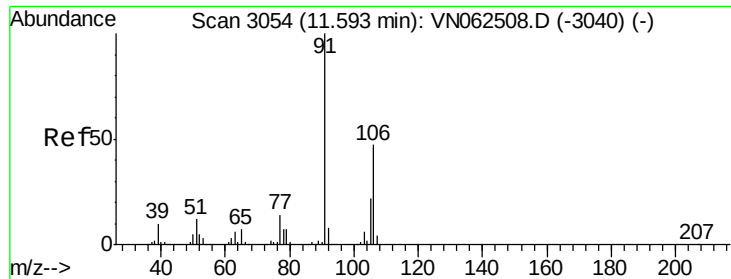
Tot Ion:131 Resp: 46474
 Ion Ratio Lower Upper
 131 100
 133 96.1 0.0 191.4
 119 66.5 0.0 136.2



#66
 Ethyl Benzene
 Concen: 15.939 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion: 91 Resp: 227163
 Ion Ratio Lower Upper
 91 100
 106 29.9 24.6 36.8

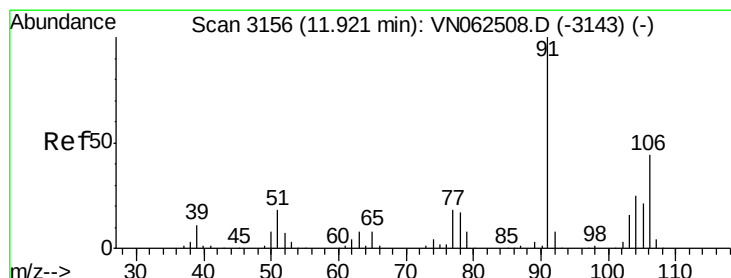
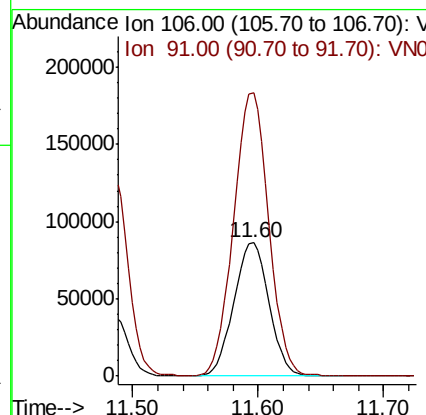
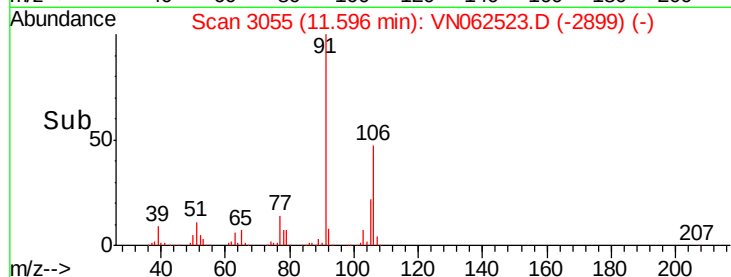
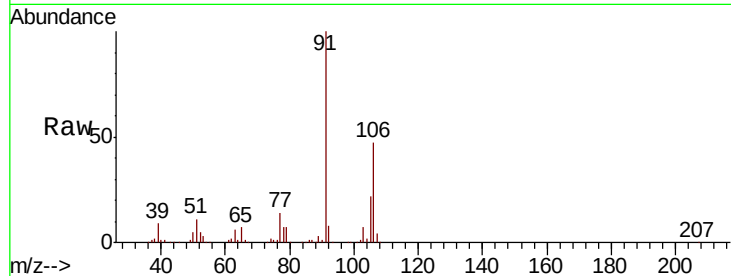




#67
m/p-Xylenes
Concen: 32.482 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

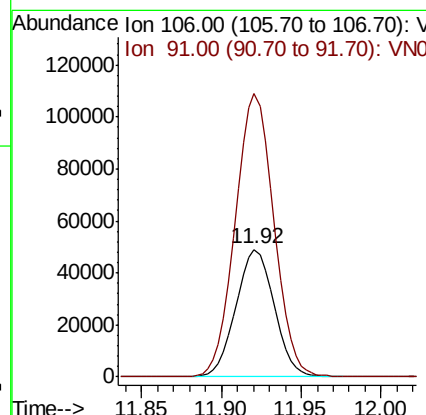
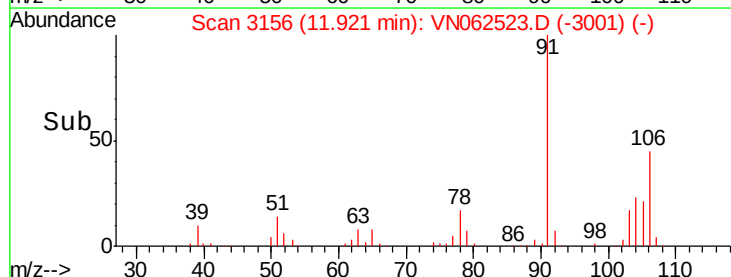
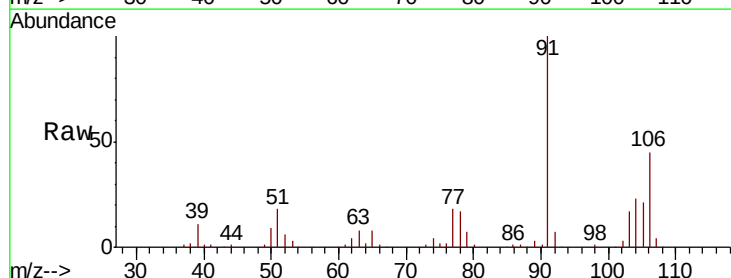
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

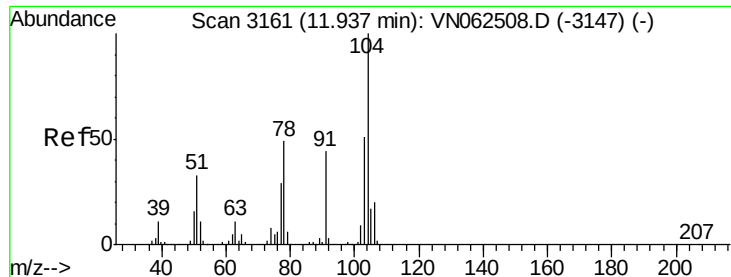
Tot Ion:106 Resp: 168023
Ion Ratio Lower Upper
106 100
91 211.5 170.7 256.1



#68
o-Xylene
Concen: 16.111 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion:106 Resp: 79978
Ion Ratio Lower Upper
106 100
91 223.8 113.9 341.6

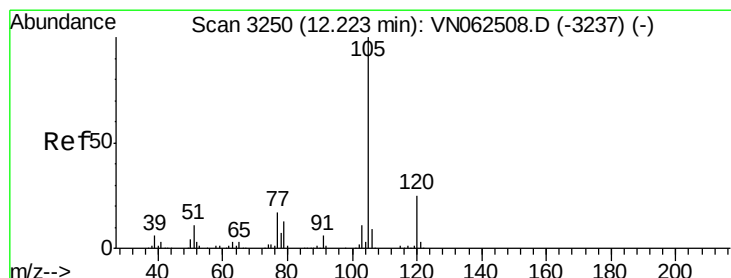
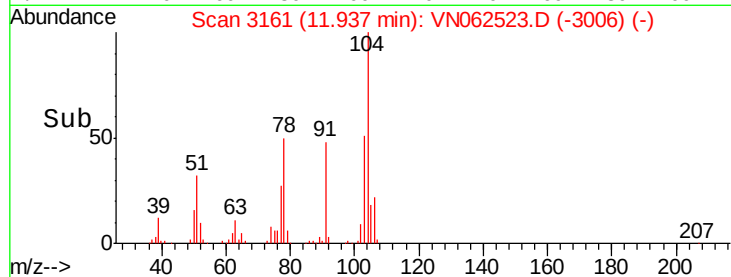
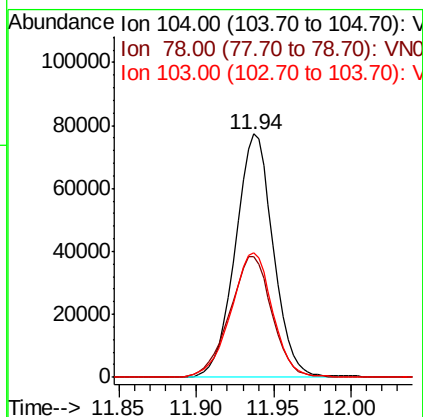
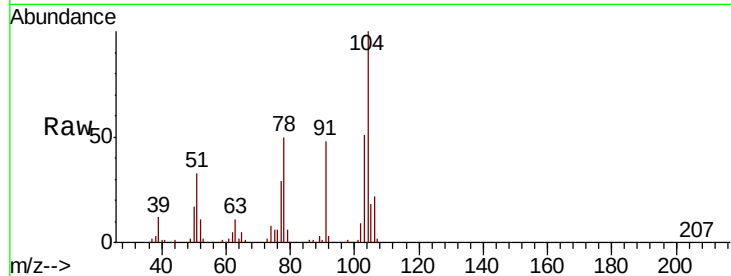




#69
Stvrene
Concen: 15.674 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

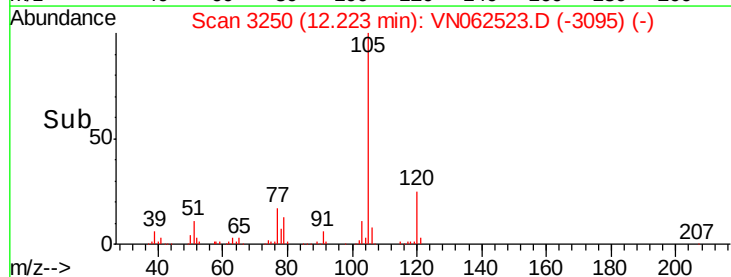
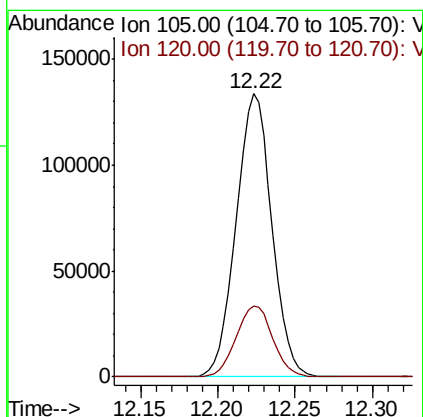
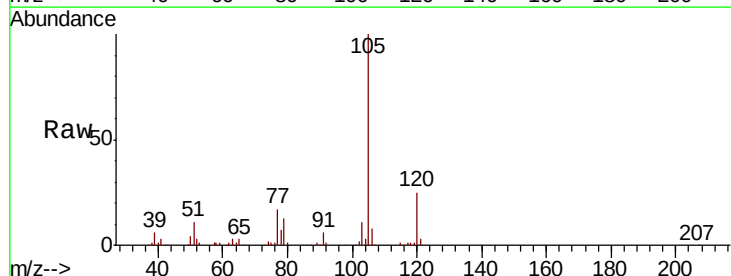
Instrument :
MSVOA_N
ClientSampled :
VN0714WBS01

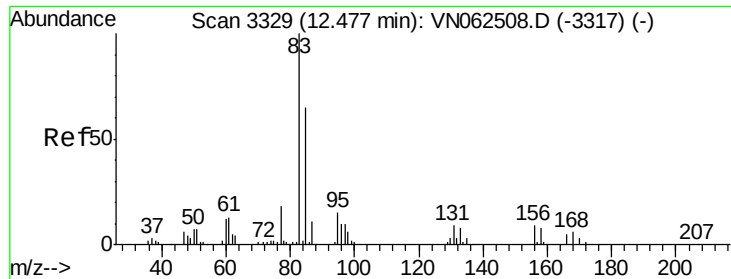
Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.9	65.9
103	56.0	43.8	65.6



#70
Isopropylbenzene
Concen: 16.077 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	17.6	32.8

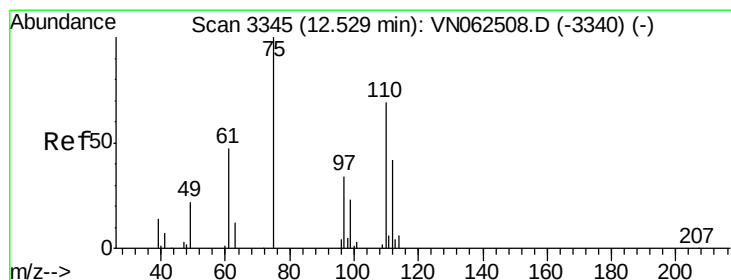
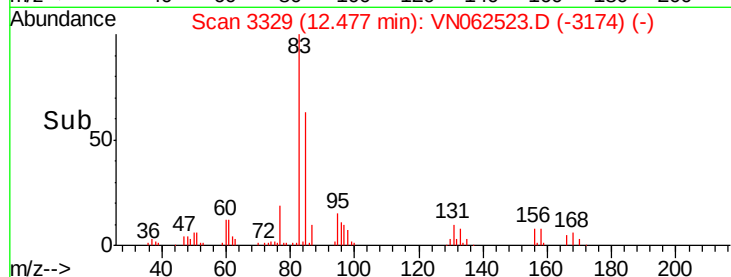
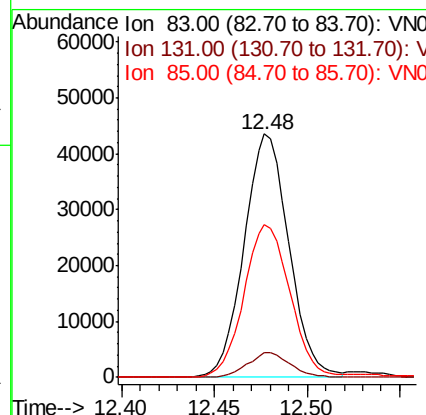
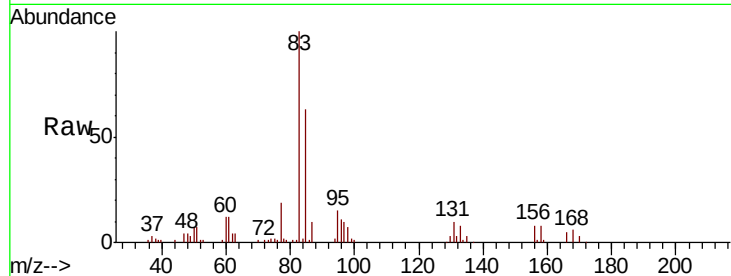




#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.965 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

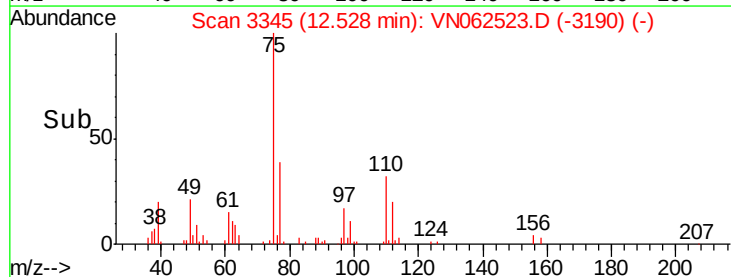
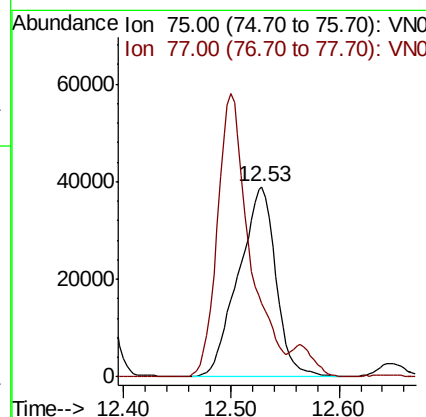
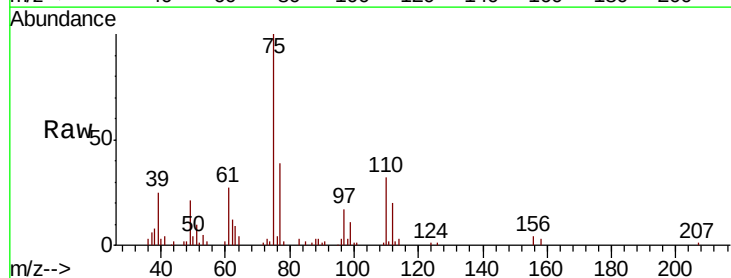
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

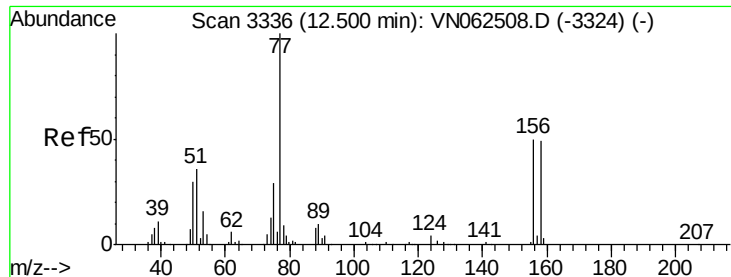
Tot Ion: 83 Resp: 73068
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.5 13.7
 85 63.9 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 22.340 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion: 75 Resp: 93592
 Ion Ratio Lower Upper
 75 100
 77 128.9 0.0 376.2





#73

Bromobenzene

Concen: 15.846 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0714WBS01

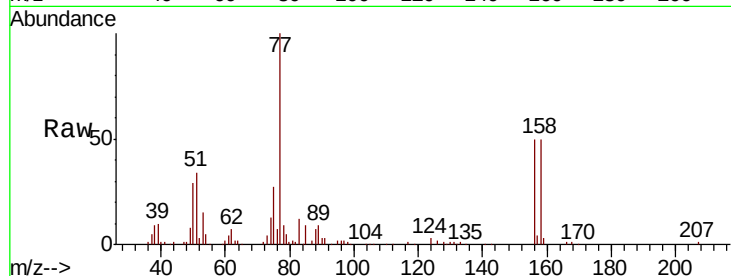
Tot Ion:156 Resp: 48906

Ion Ratio Lower Upper

156 100

77 246.8 0.0 485.0

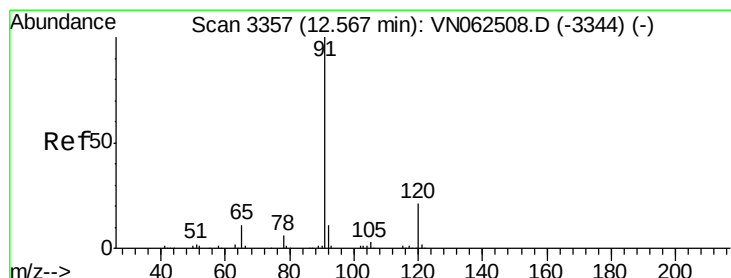
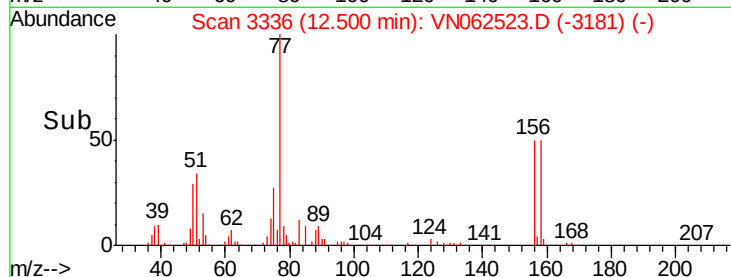
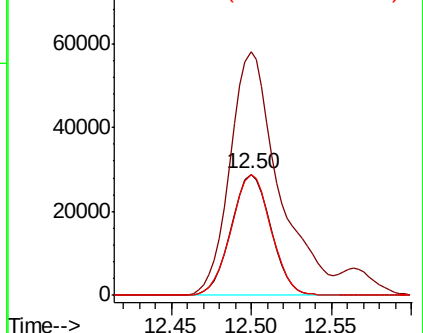
158 99.4 0.0 192.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 15.673 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062523.D

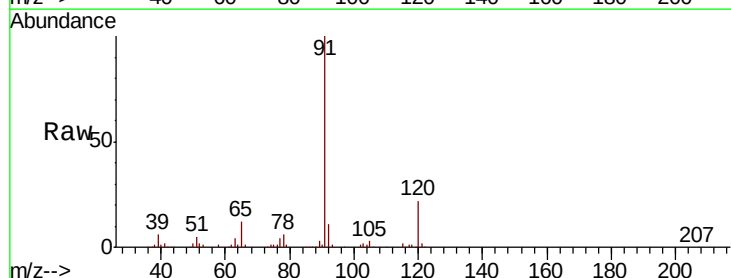
Acq: 14 Jul 2020 11:36

Tgt Ion: 91 Resp: 248274

Ion Ratio Lower Upper

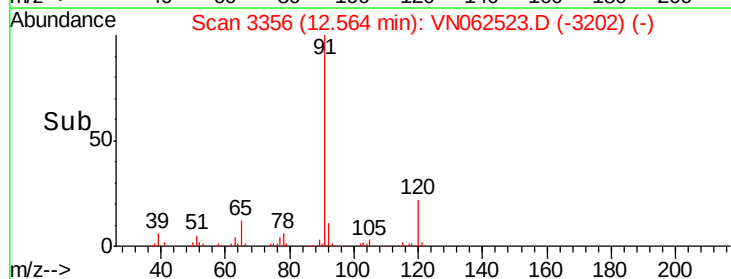
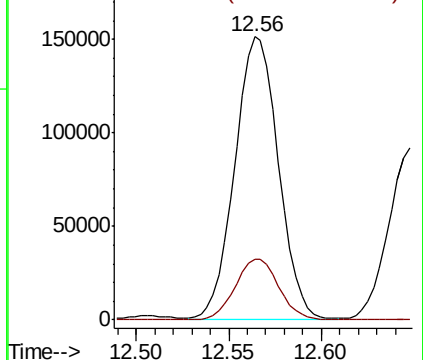
91 100

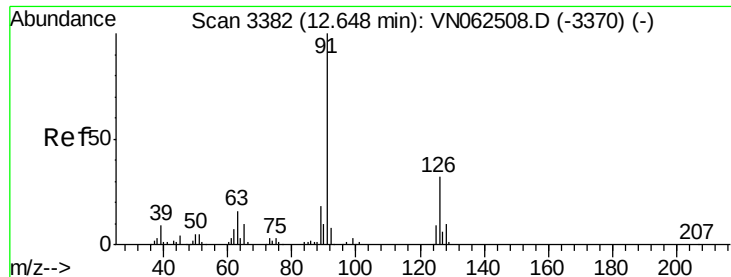
120 21.4 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 16.115 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

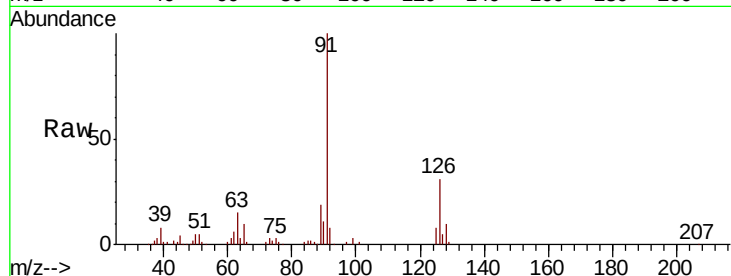
VN0714WBS01

Tot Ion: 91 Resp: 153690

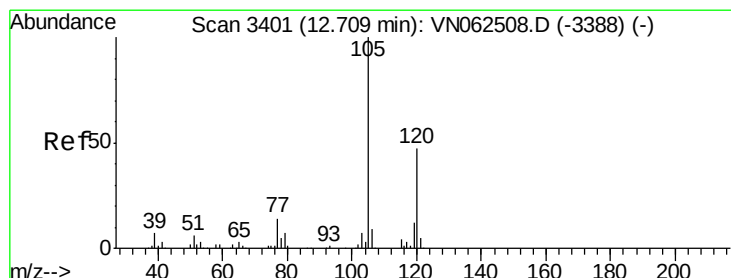
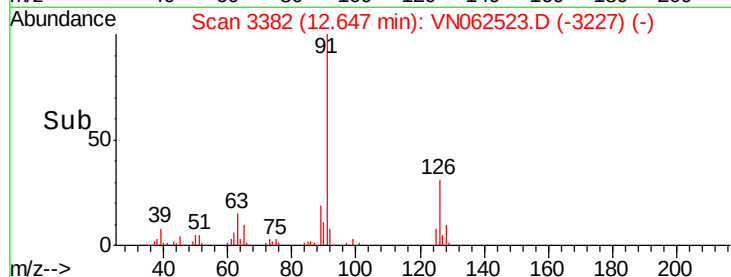
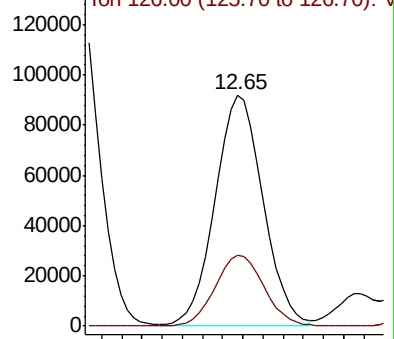
Ion Ratio Lower Upper

91 100

126 31.3 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 15.630 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062523.D

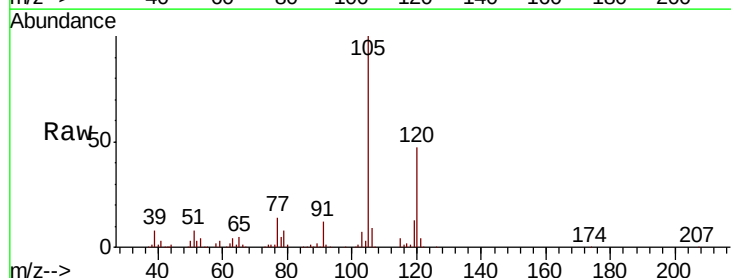
Acq: 14 Jul 2020 11:36

Tgt Ion: 105 Resp: 177471

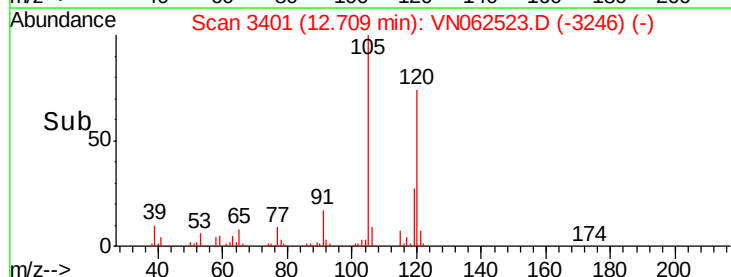
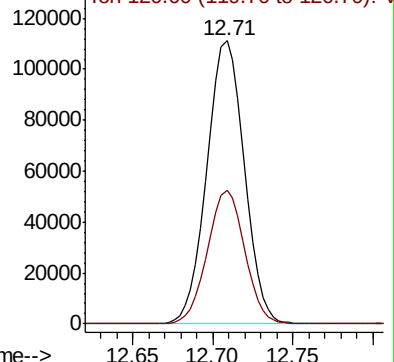
Ion Ratio Lower Upper

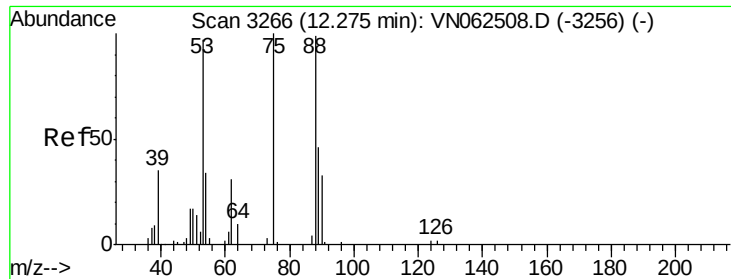
105 100

120 47.0 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062508.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 14.470 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

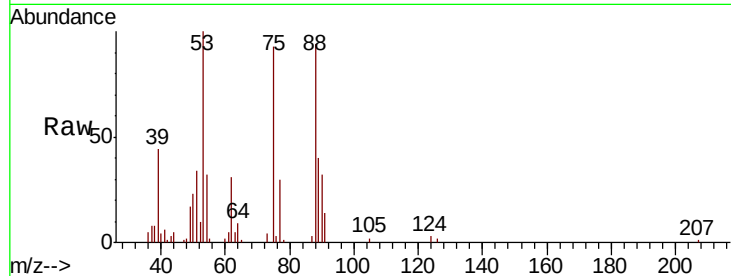
Tot Ion: 75 Resp: 22673

Ion Ratio Lower Upper

75 100

53 107.9 48.3 144.8

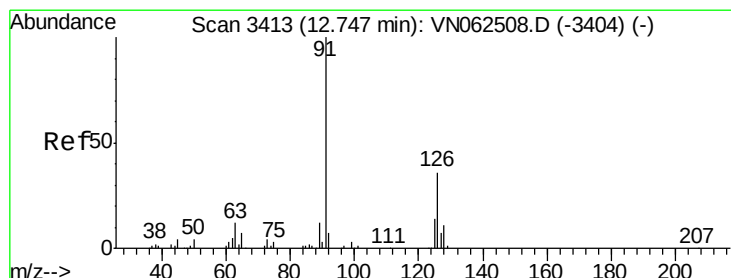
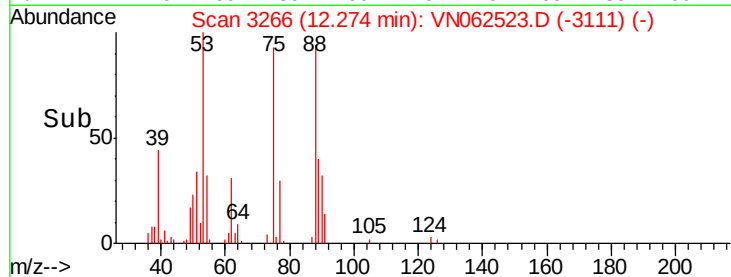
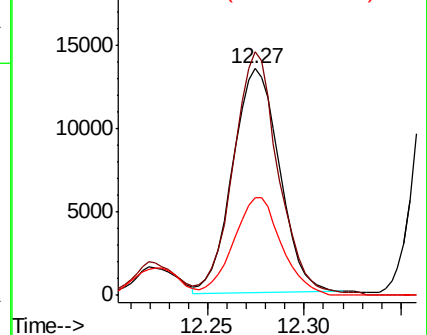
89 43.8 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 15.710 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062523.D

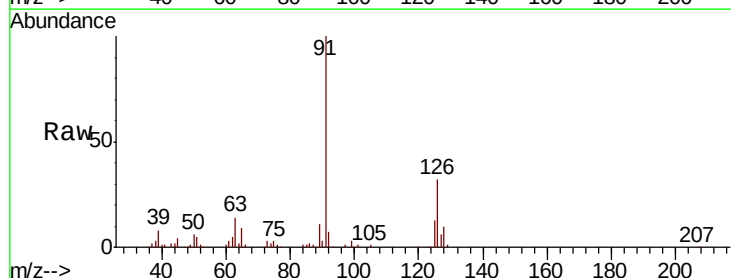
Acq: 14 Jul 2020 11:36

Tgt Ion: 91 Resp: 152890

Ion Ratio Lower Upper

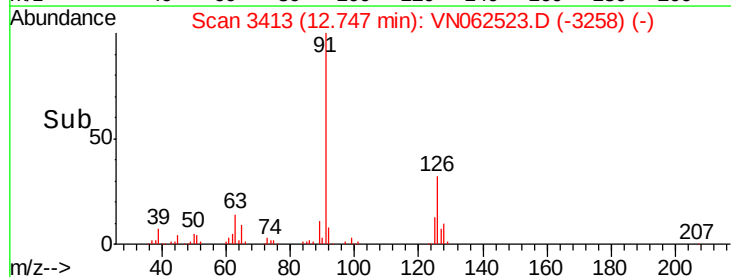
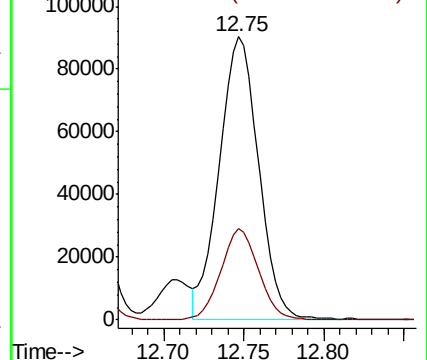
91 100

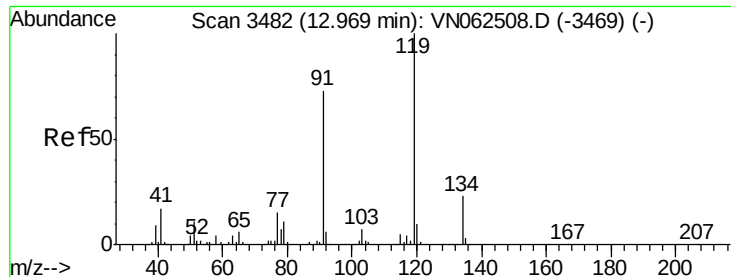
126 30.7 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

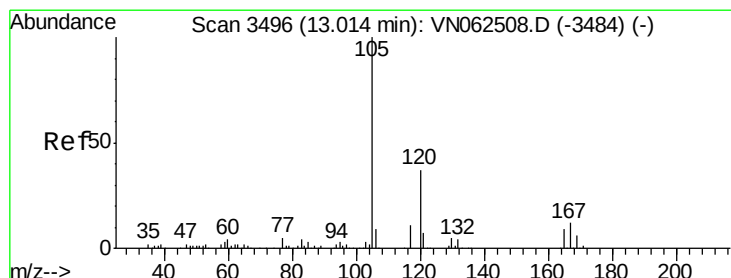
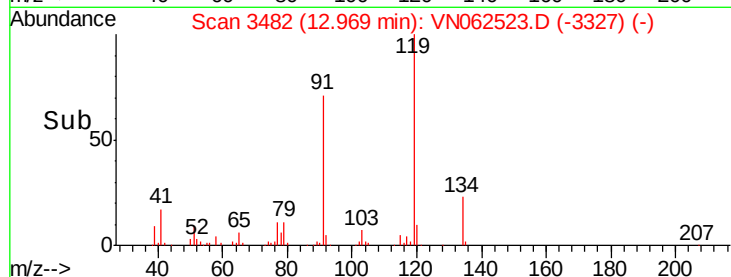
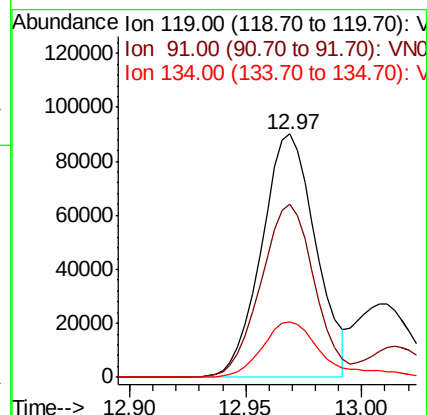
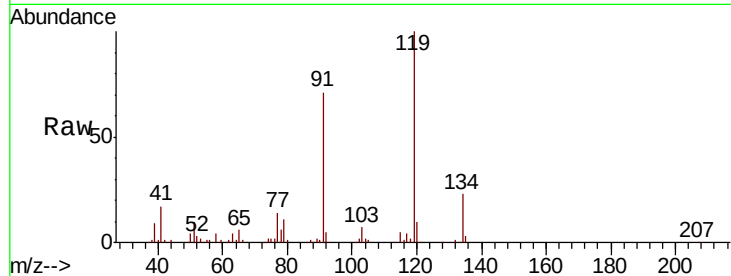




#79
tert-butylbenzene
Concen: 15.636 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

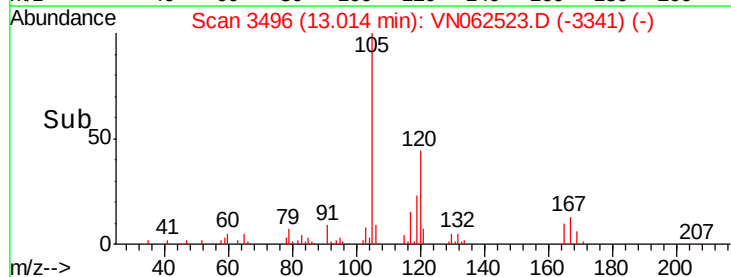
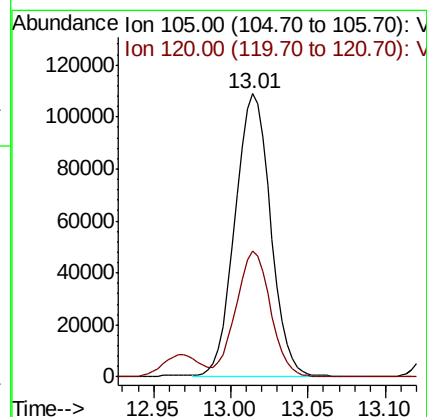
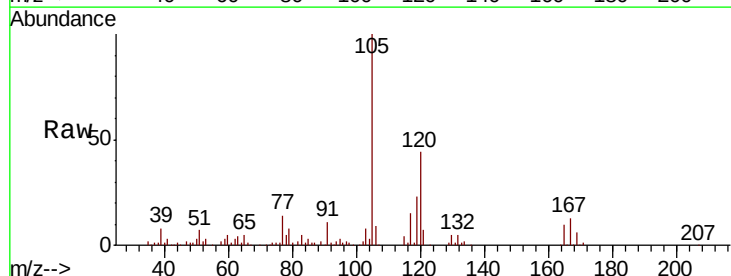
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

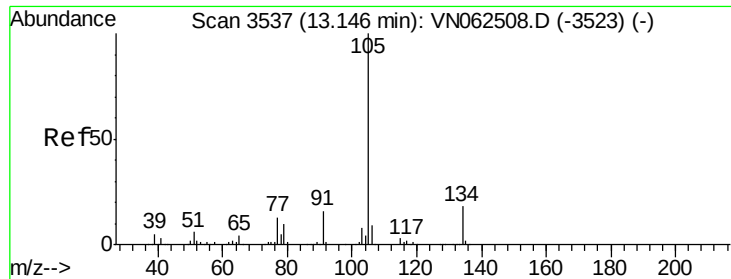
Tot Ion:119 Resp: 147014
Ion Ratio Lower Upper
119 100
91 70.3 0.0 139.8
134 25.7 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 15.472 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion:105 Resp: 172791
Ion Ratio Lower Upper
105 100
120 43.5 0.0 86.6





#81

sec-Butylbenzene

Concen: 15.508 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

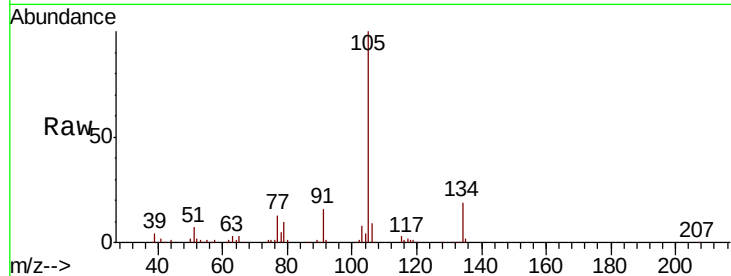
VN0714WBS01

Tot Ion:105 Resp: 195820

Ion Ratio Lower Upper

105 100

134 18.6 0.0 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

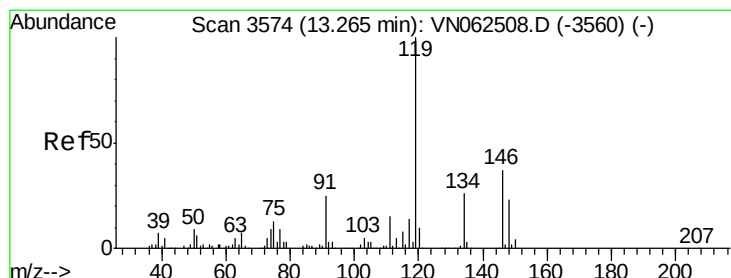
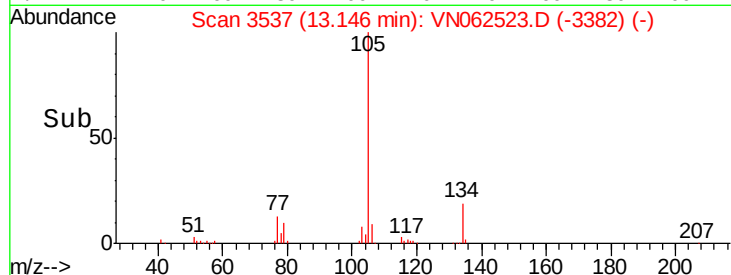
13.15

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 15.134 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

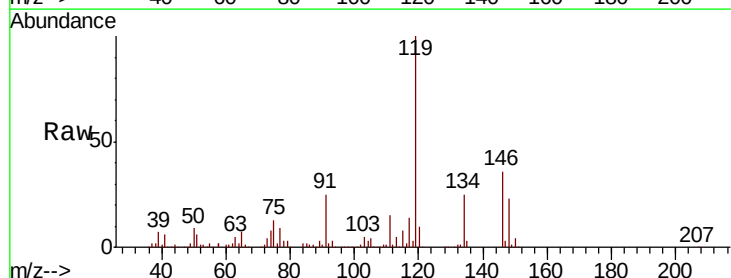
Tgt Ion:119 Resp: 168640

Ion Ratio Lower Upper

119 100

134 24.7 0.0 50.8

91 25.2 0.0 51.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

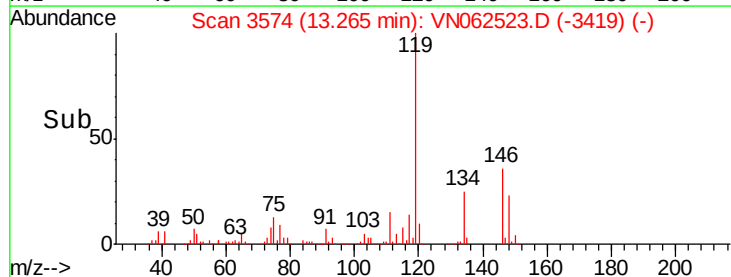
150000

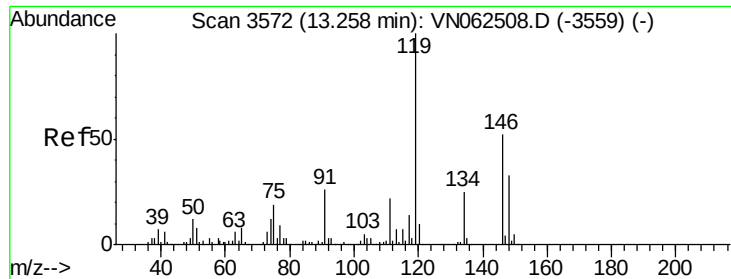
100000

50000

0

Time--> 13.20 13.25 13.30

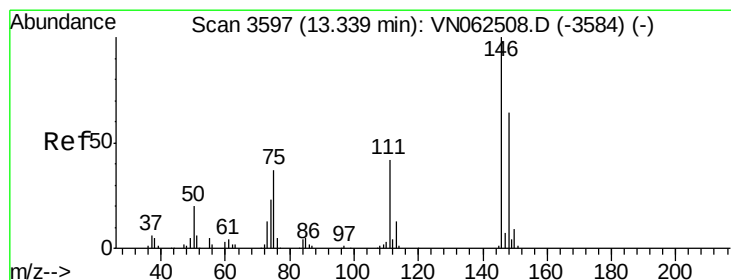
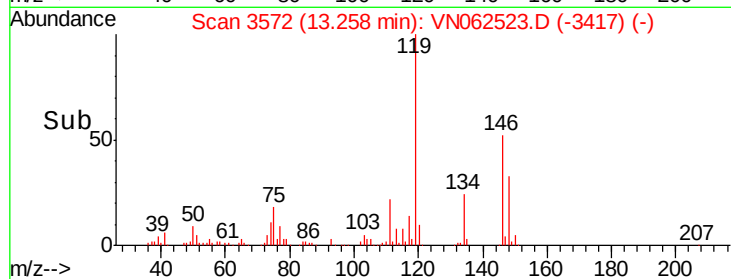
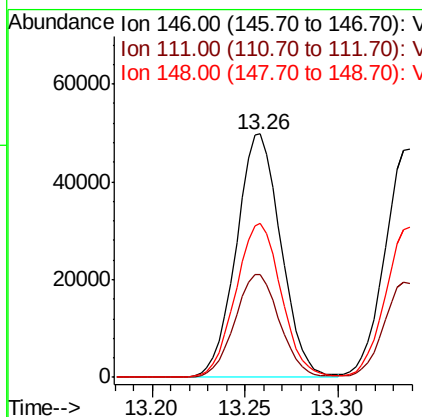
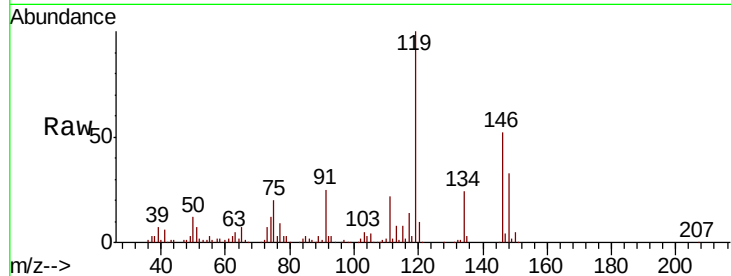




#83
 1,3-Dichlorobenzene
 Concen: 15.515 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

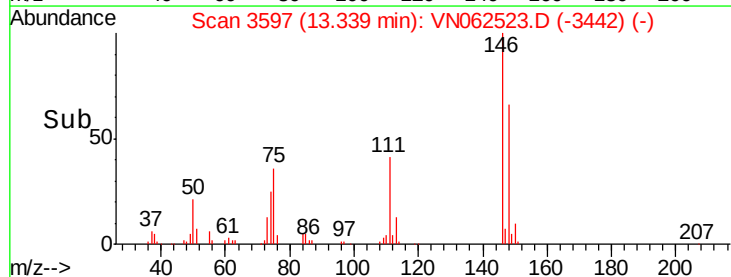
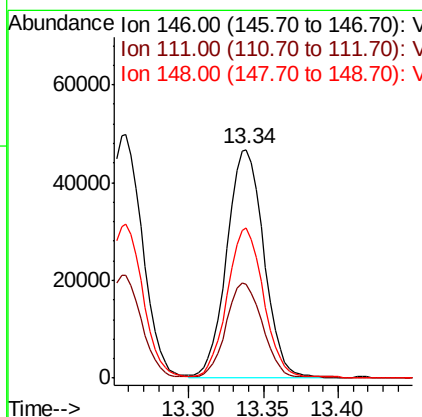
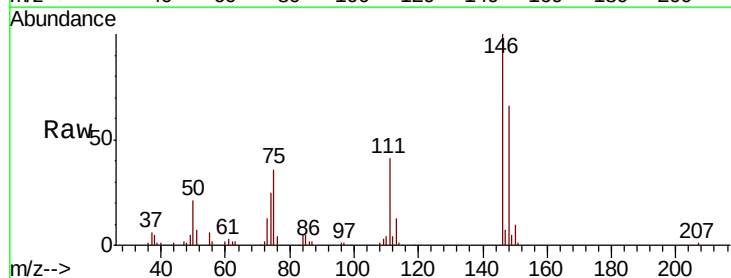
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

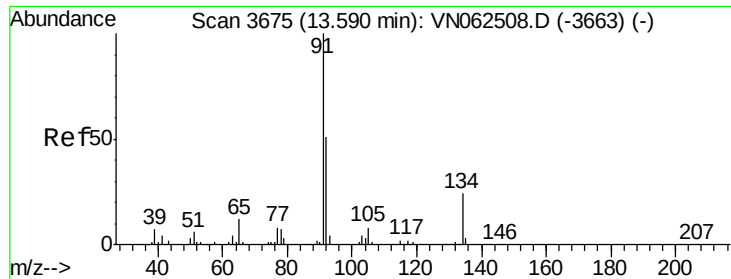
Tot Ion:146 Resp: 83157
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.0 63.0
 148 64.5 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 15.349 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion:146 Resp: 81178
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.4 64.2
 148 62.7 32.4 97.2





#85

n-Butylbenzene

Concen: 14.071 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062523.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0714WBS01

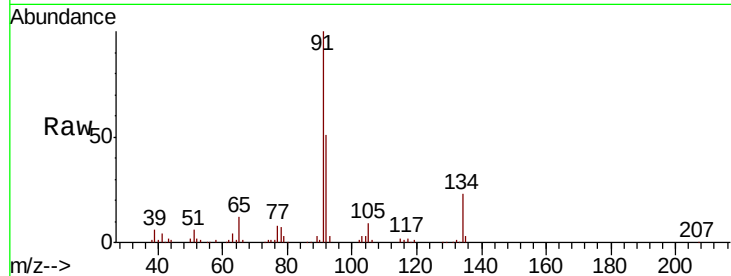
Tot Ion: 91 Resp: 134501

Ion Ratio Lower Upper

91 100

92 50.9 0.0 102.4

134 22.9 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN062508.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN062508.D (-3663) (-)

13.59

100000

80000

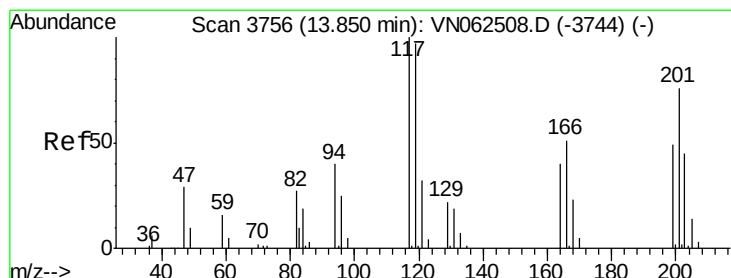
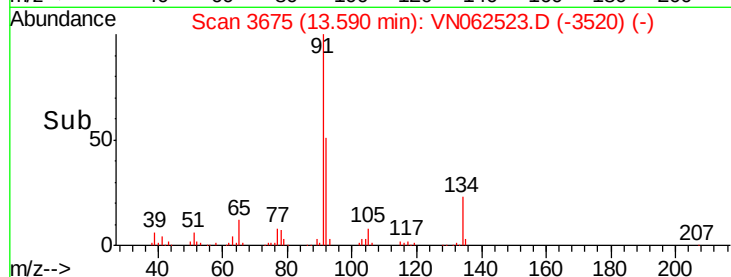
60000

40000

20000

0

Time--> 13.50 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 15.606 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062523.D

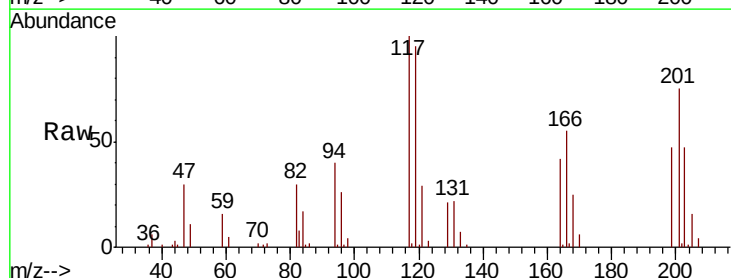
Acq: 14 Jul 2020 11:36

Tgt Ion: 117 Resp: 33555

Ion Ratio Lower Upper

117 100

201 73.8 37.4 112.2



Abundance Ion 117.00 (116.70 to 117.70): VN062508.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN062508.D (-3744) (-)

13.85

20000

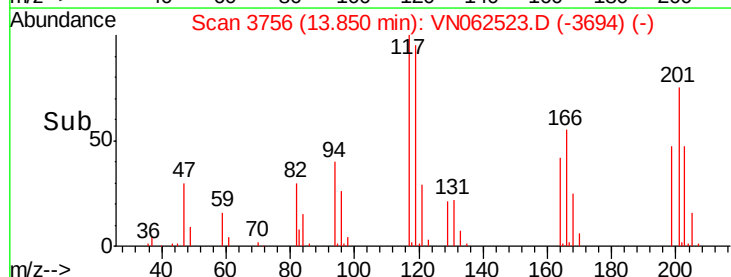
15000

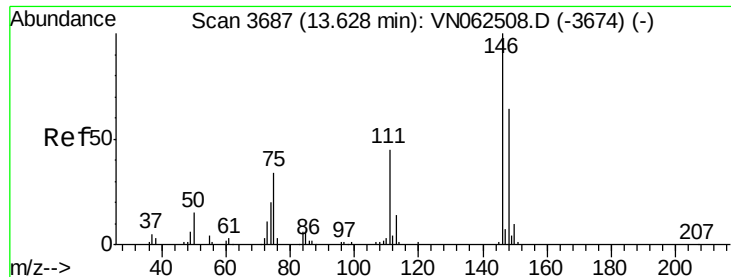
10000

5000

0

Time--> 13.80 13.85 13.90

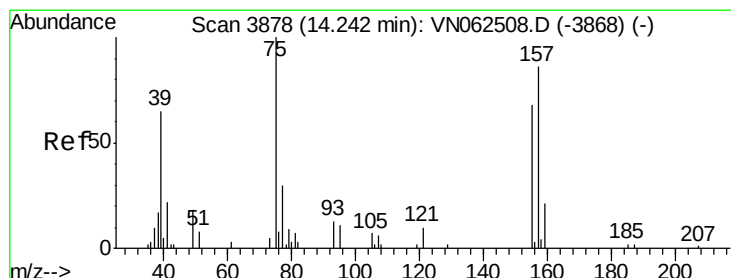
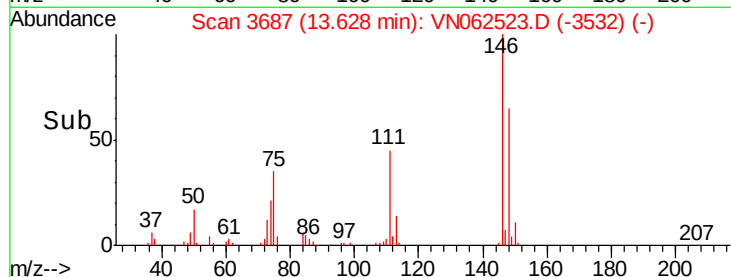
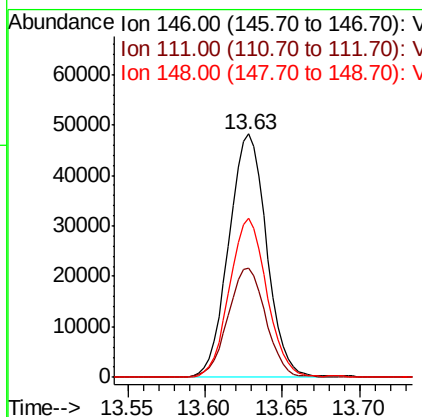
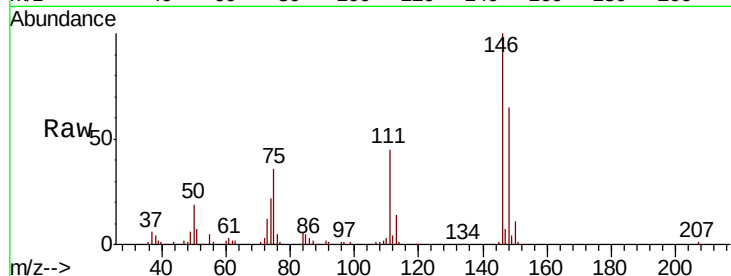




#87
 1,2-Dichlorobenzene
 Concen: 15.881 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

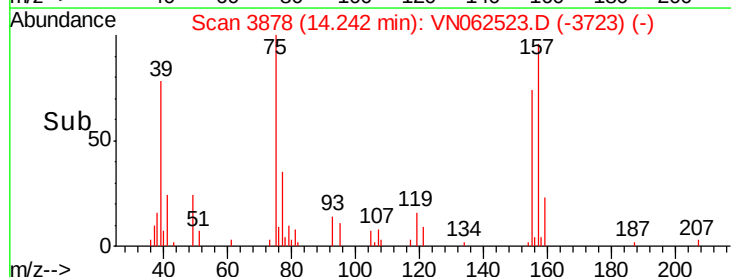
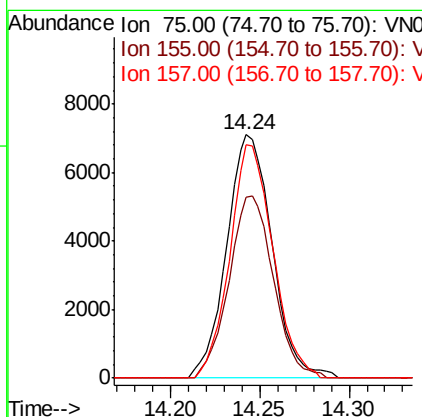
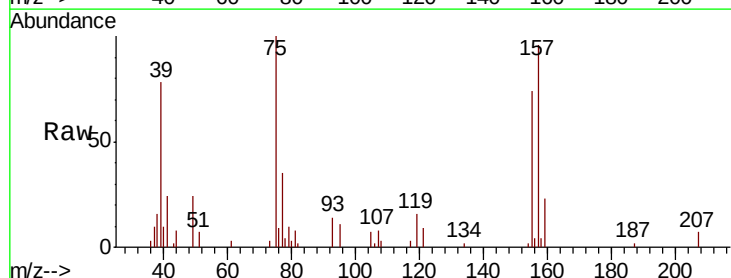
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

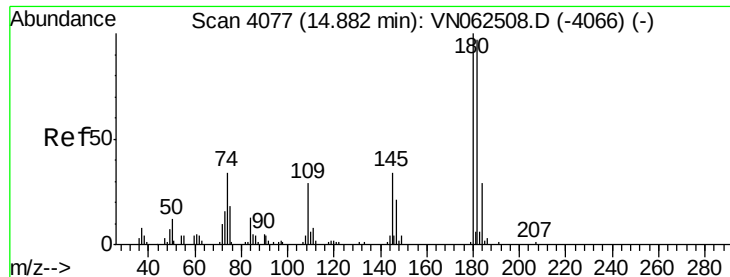
Tot Ion:146 Resp: 81852
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.4 67.0
 148 64.6 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.449 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion: 75 Resp: 12566
 Ion Ratio Lower Upper
 75 100
 155 73.4 55.7 83.5
 157 91.0 71.0 106.6

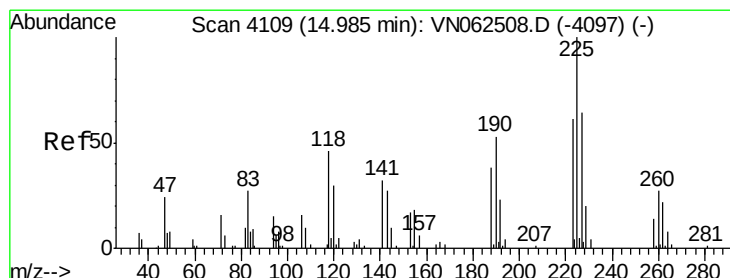
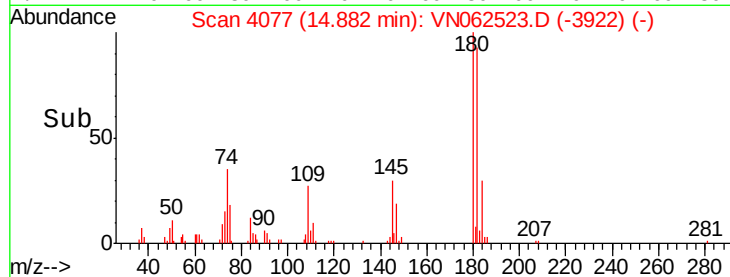
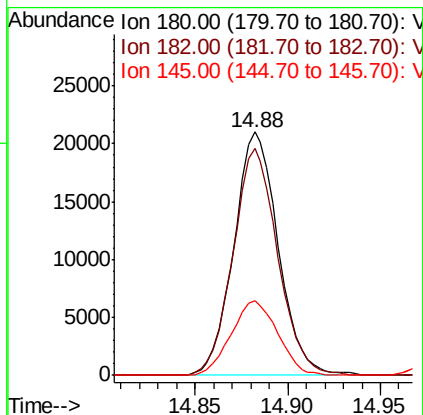
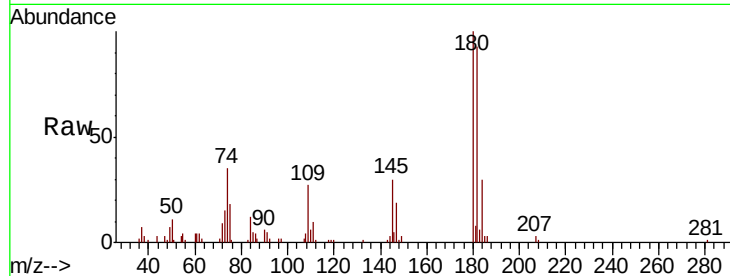




#89
 1,2,4-Trichlorobenzene
 Concen: 13.581 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

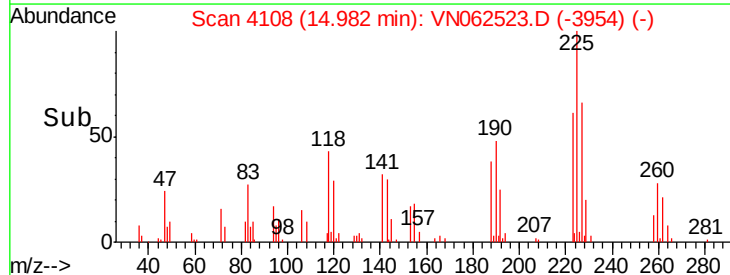
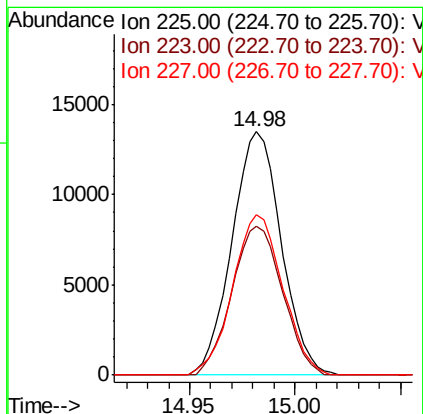
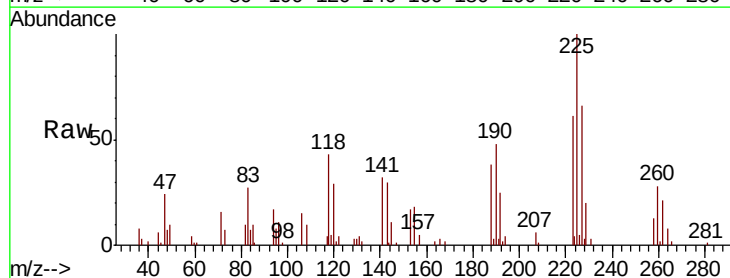
Instrument :
 MSVOA_N
 ClientSampled :
 VN0714WBS01

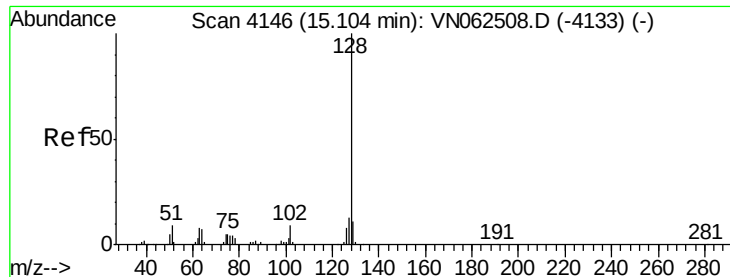
Tot Ion:180 Resp: 34846
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.5 116.3
 145 32.0 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 15.406 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062523.D
 Acq: 14 Jul 2020 11:36

Tgt Ion:225 Resp: 21925
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 120.4
 227 66.6 0.0 129.6

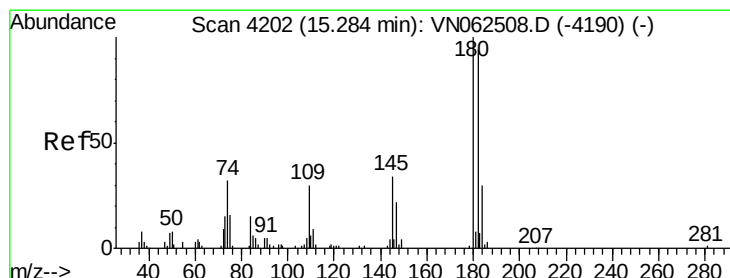
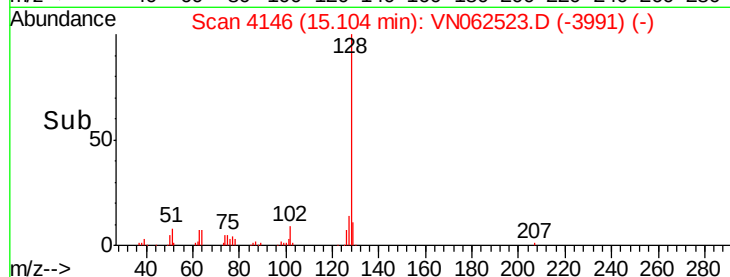
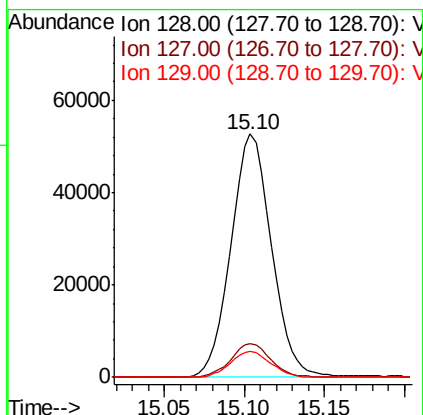
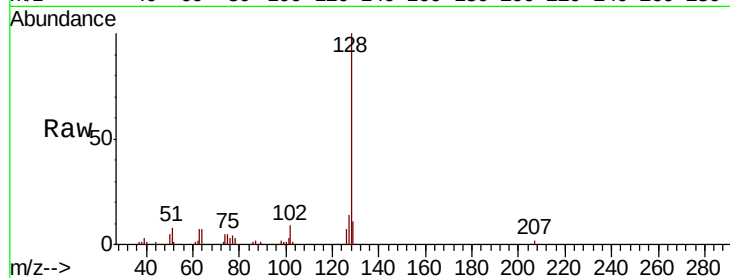




#91
Naphthalene
Concen: 13.083 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0714WBS01

Tot Ion:128 Resp: 91019
Ion Ratio Lower Upper
128 100
127 13.5 10.0 15.0
129 10.6 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 14.027 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062523.D
Acq: 14 Jul 2020 11:36

Tgt Ion:180 Resp: 36275
Ion Ratio Lower Upper
180 100
182 98.4 0.0 187.2
145 32.5 0.0 67.8

