

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062516.D
 Acq On : 13 Jul 2020 15:10
 Operator : JC/MD
 Sample : VN0713WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Quant Time: Jul 14 01:01:46 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	40692	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	224159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	205844	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	102441	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.37	95	104569	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	10.06	98	293463	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	46282	19.270	ug/l 98
3) Chloromethane	2.04	50	67143	19.361	ug/l 98
4) Vinyl Chloride	2.16	62	58849	19.412	ug/l 98
5) Bromomethane	2.54	94	26190	17.414	ug/l 92
6) Chloroethane	2.67	64	26578	17.809	ug/l 99
7) Trichlorofluoromethane	2.99	101	68821	19.370	ug/l 99
8) Diethyl Ether	3.38	74	32447	18.997	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44170	19.230	ug/l 99
10) 1,1-Dichloroethene	3.70	96	44787	19.113	ug/l 96
11) Methyl Iodide	3.91	142	54409	18.961	ug/l 97
12) Methyl Acetate	4.28	43	60091	19.121	ug/l 99
13) Acrolein	3.57	56	45803	97.549	ug/l 100
14) Acrylonitrile	4.93	53	138867	95.011	ug/l 98
15) Acetone	3.78	58	37598	83.798	ug/l 97
16) Carbon Disulfide	4.01	76	142884	18.711	ug/l 99
17) Allyl chloride	4.28	41	96857	19.436	ug/l 97
18) Methylene Chloride	4.50	84	55339	19.193	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	48822	18.825	ug/l 96
20) Diisopropyl ether	5.91	45	197626	19.290	ug/l 98
21) 1,1-Dichloroethane	5.80	63	103903	19.184	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	55709	19.047	ug/l 100
23) tert-Butyl Alcohol	4.73	59	46346	94.751	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	163750	18.955	ug/l 100
25) Chloroform	7.33	83	96851	19.499	ug/l 97
26) Cyclohexane	7.61	56	92848	19.449	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	73921	19.441	ug/l 99
30) 2-Butanone	6.79	43	187374	92.921	ug/l 97
31) 2,2-Dichloropropane	6.78	77	81022	18.898	ug/l # 71
32) 1,1,1-Trichloroethane	7.53	97	78262	19.151	ug/l 100
33) Carbon Tetrachloride	7.73	117	68460	19.325	ug/l 98
34) Benzene	8.00	78	220677	19.536	ug/l 98
35) Methacrylonitrile	7.13	41	37536	21.191	ug/l 97
36) 1,2-Dichloroethane	8.09	62	80811	19.904	ug/l 100
37) Trichloroethene	8.80	130	50072	19.734	ug/l 99
38) Methylcyclohexane	9.05	83	79601	18.662	ug/l 99
39) 1,2-Dichloropropane	9.09	63	64358	19.998	ug/l 97
40) Dibromomethane	9.18	93	36269	19.555	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	75373	19.160	ug/l	99
42) Vinyl Acetate	5.84	43	826057	98.581	ug/l	100
43) Ethyl Acetate	6.88	43	81178	20.024	ug/l	97
44) Isopropyl Acetate	8.13	43	130461	19.180	ug/l	96
45) 1,4-Dioxane	9.17	88	18532	398.283	ug/l	97
46) Methyl methacrylate	9.17	41	60745	18.824	ug/l	99
47) n-amyl Acetate	12.04	43	105156	18.340	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	85872	18.715	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	92459	18.667	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	51181	19.687	ug/l	99
51) Ethyl methacrylate	10.40	69	82546	18.859	ug/l	98
52) 1,3-Dichloropropane	10.68	76	93363	19.568	ug/l	98
53) Dibromochloromethane	10.87	129	54276	19.162	ug/l	100
54) 1,2-Dibromoethane	10.98	107	51058	19.188	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	136455	97.607	ug/l	99
56) Bromoform	12.10	173	36225	18.725	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	394874	98.460	ug/l	99
59) 2-Hexanone	10.72	43	281959	95.862	ug/l	100
61) Tetrachloroethene	10.60	164	41220	19.554	ug/l	96
62) Toluene	10.12	91	227766	19.504	ug/l	100
64) Chlorobenzene	11.41	112	133412	19.442	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	48897	19.251	ug/l	99
66) Ethyl Benzene	11.48	91	248151	19.190	ug/l	97
67) m/p-Xylenes	11.59	106	179639	38.273	ug/l	98
68) o-Xylene	11.92	106	85075	18.887	ug/l	99
69) Styrene	11.94	104	142551	18.646	ug/l	99
70) Isopropylbenzene	12.22	105	229386	18.970	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	77021	19.709	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	99885	26.276	ug/l	59
73) Bromobenzene	12.50	156	53633	19.152	ug/l	98
74) n-propylbenzene	12.57	91	270309	18.806	ug/l	99
75) 2-Chlorotoluene	12.65	91	163588	18.903	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	193251	18.757	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	25369	17.844	ug/l	98
78) 4-Chlorotoluene	12.75	91	165234	18.712	ug/l	100
79) tert-butylbenzene	12.97	119	163166	19.125	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	186464	18.401	ug/l	99
81) sec-Butylbenzene	13.15	105	210947	18.412	ug/l	100
82) p-Isopropyltoluene	13.26	119	183543	18.153	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	90106	18.528	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	88613	18.465	ug/l	96
85) n-Butylbenzene	13.59	91	146074	16.842	ug/l	100
86) Hexachloroethane	13.85	117	36069	18.487	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	87704	18.754	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	13788	18.682	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	40164	17.251	ug/l	96
90) Hexachlorobutadiene	14.98	225	24501	18.974	ug/l	96
91) Naphthalene	15.10	128	106962	16.945	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	41478	17.677	ug/l	98

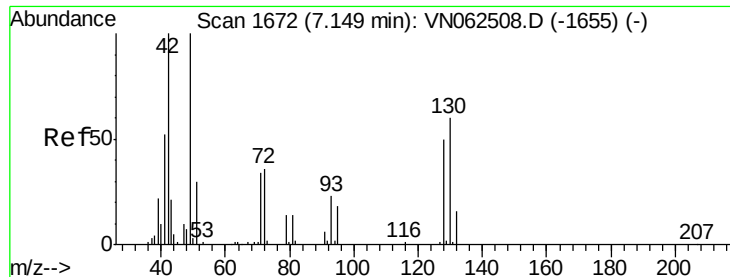
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

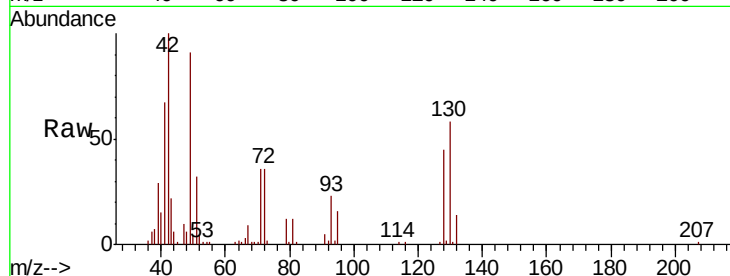
Tot Ion:128 Resp: 40692

Ion Ratio Lower Upper

128 100

49 207.7 0.0 525.0

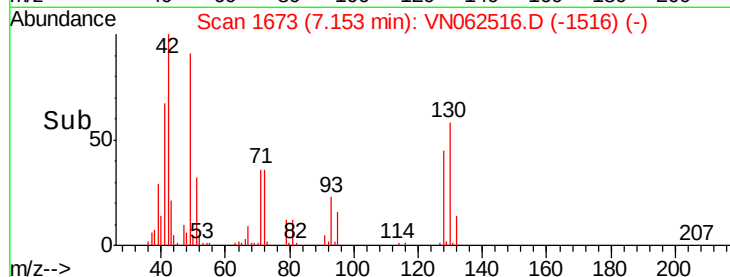
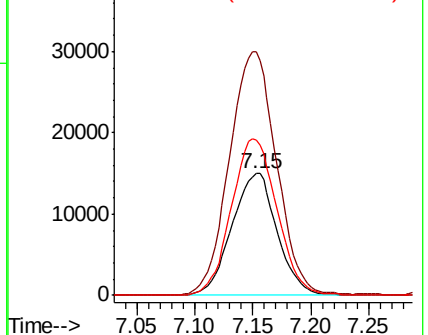
130 129.1 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.270 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062516.D

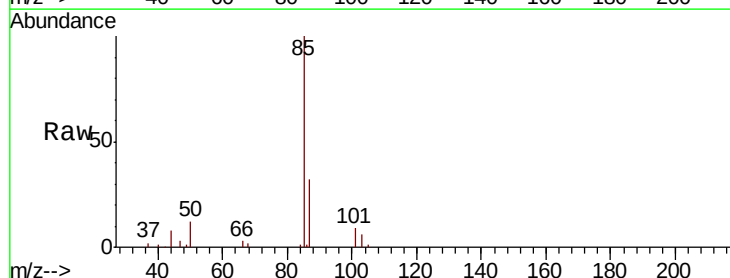
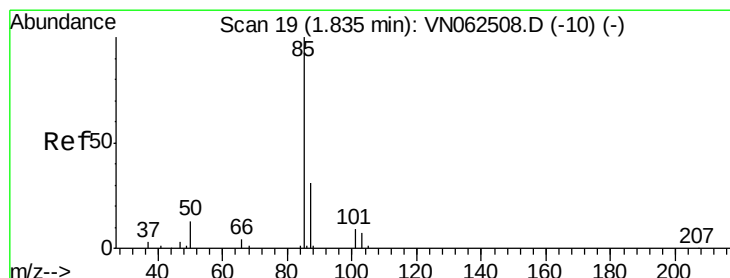
Acq: 13 Jul 2020 15:10

Tgt Ion: 85 Resp: 46282

Ion Ratio Lower Upper

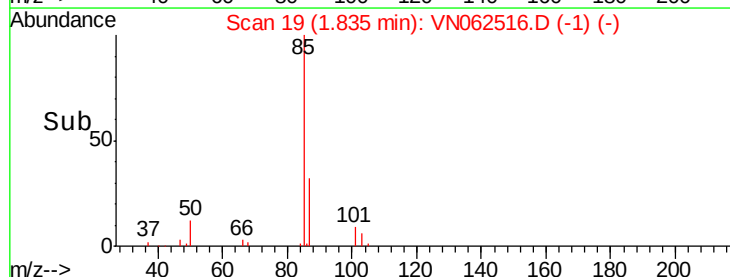
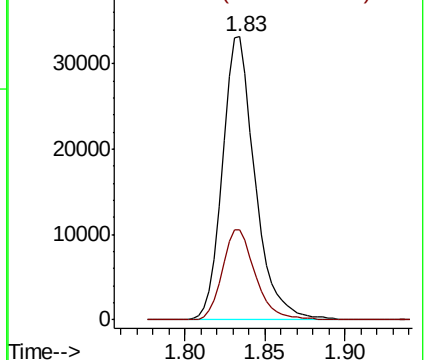
85 100

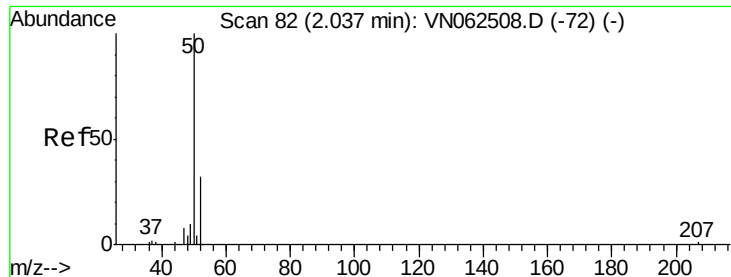
87 32.0 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.361 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

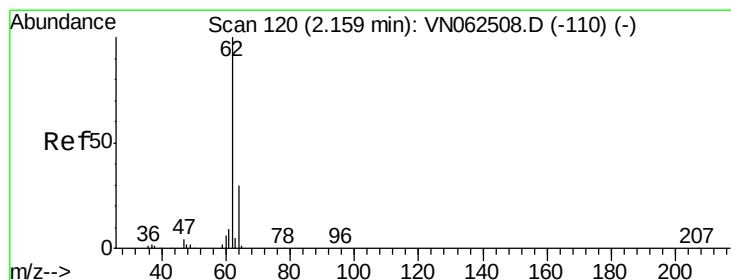
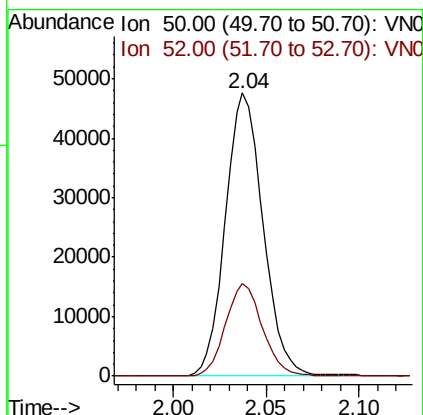
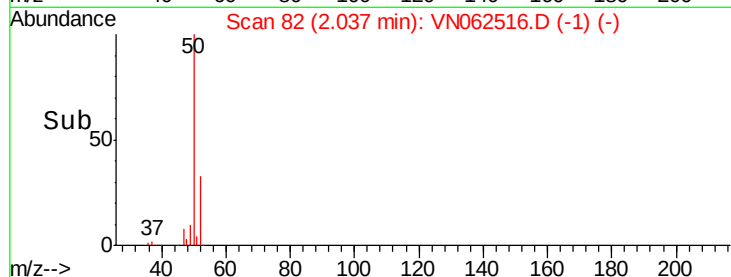
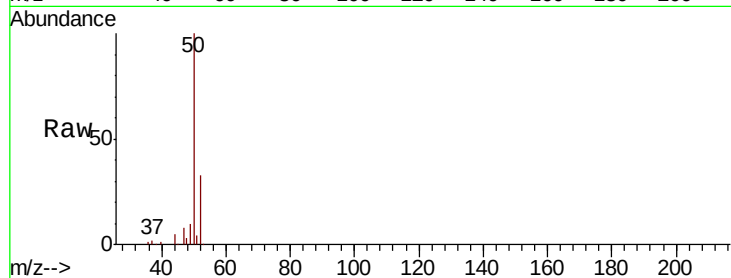
VN0713WBS01

Tot Ion: 50 Resp: 67143

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.2



#4

Vinyl Chloride

Concen: 19.412 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062516.D

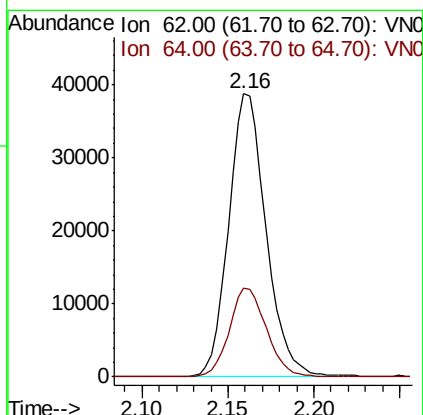
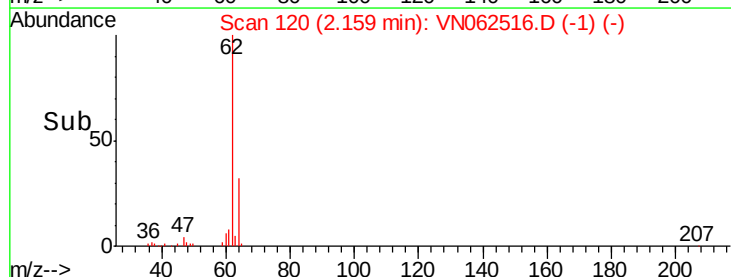
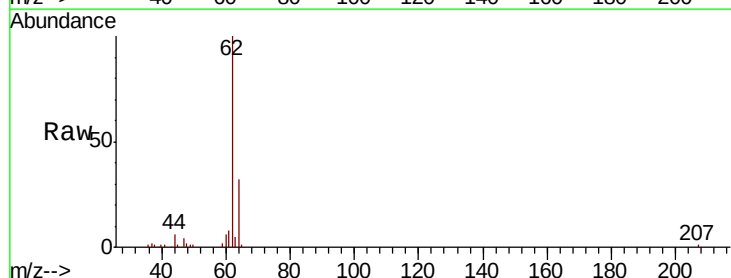
Acq: 13 Jul 2020 15:10

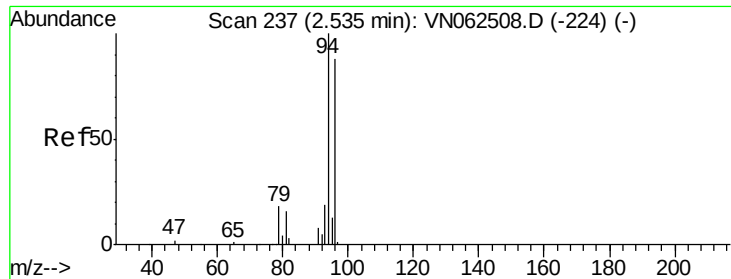
Tgt Ion: 62 Resp: 58849

Ion Ratio Lower Upper

62 100

64 31.5 24.3 36.5





#5

Bromomethane

Concen: 17.414 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

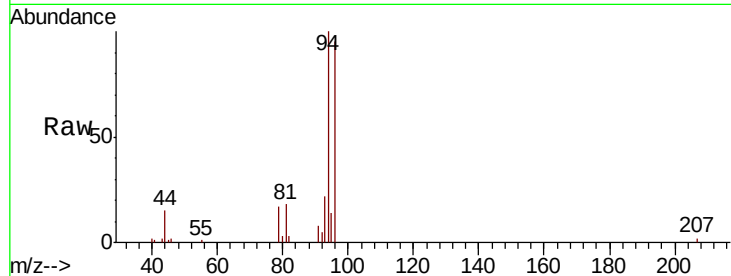
VN0713WBS01

Tot Ion: 94 Resp: 26190

Ion Ratio Lower Upper

94 100

96 95.2 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.54

15000

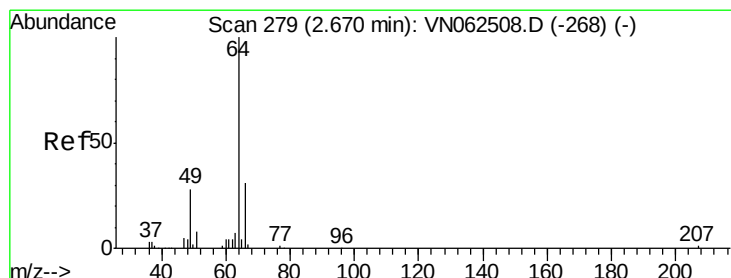
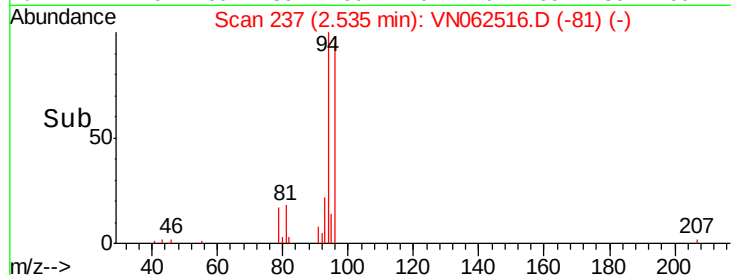
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 17.809 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN062516.D

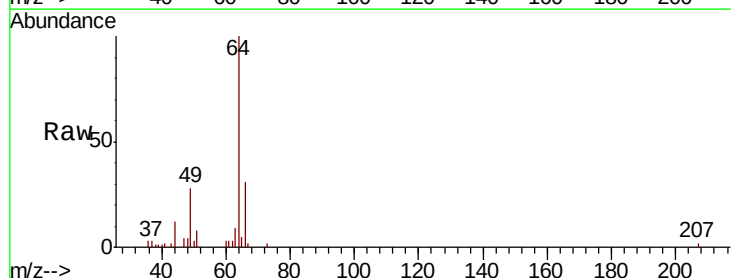
Acq: 13 Jul 2020 15:10

Tgt Ion: 64 Resp: 26578

Ion Ratio Lower Upper

64 100

66 30.5 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.67

15000

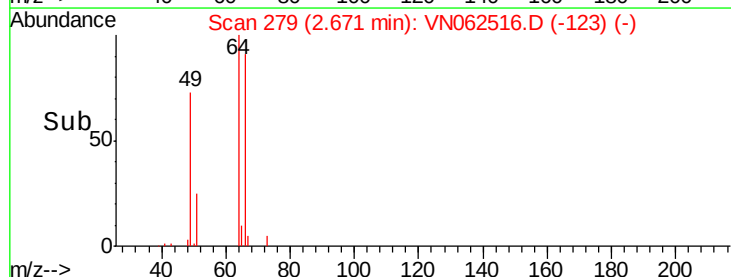
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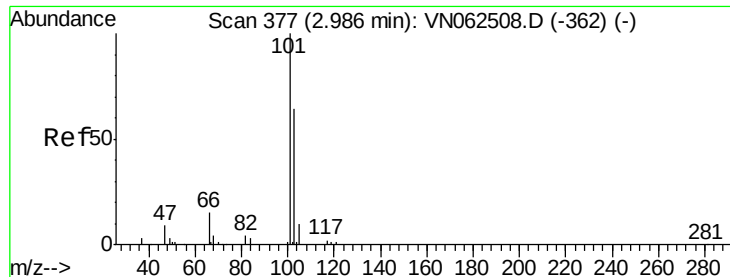
5000

0

Time-->

2.60 2.65 2.70 2.75



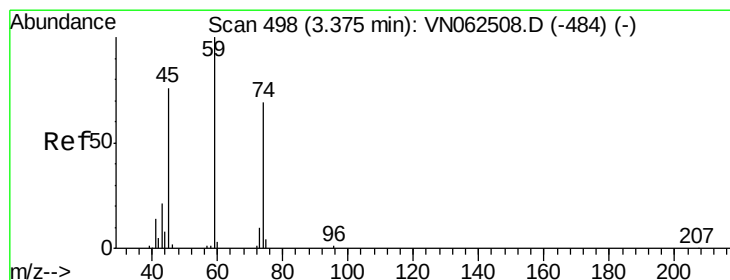
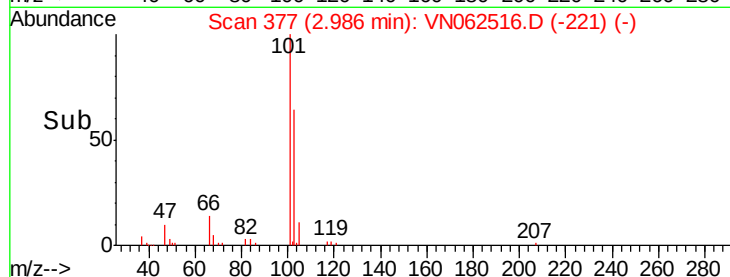
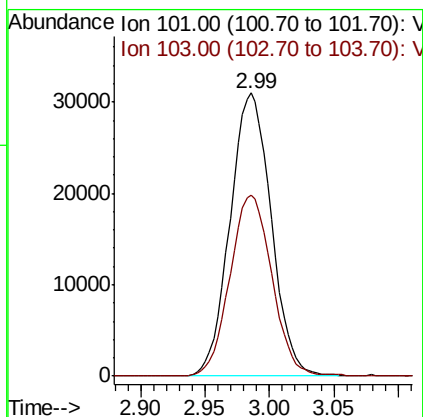
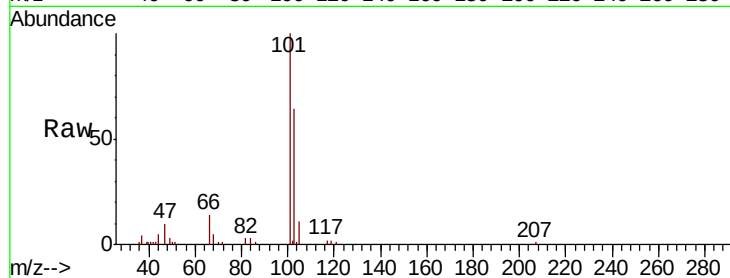


#7

Trichlorofluoromethane
 Concen: 19.370 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
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 VN0713WBS01

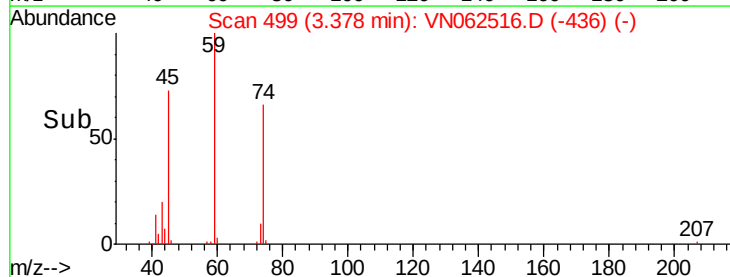
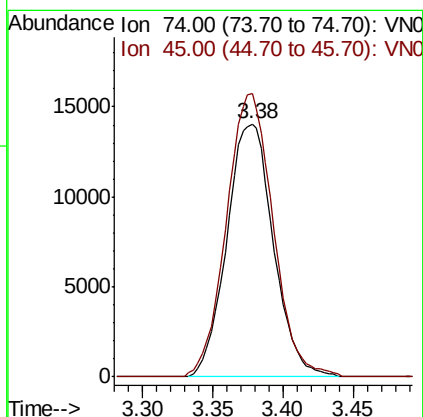
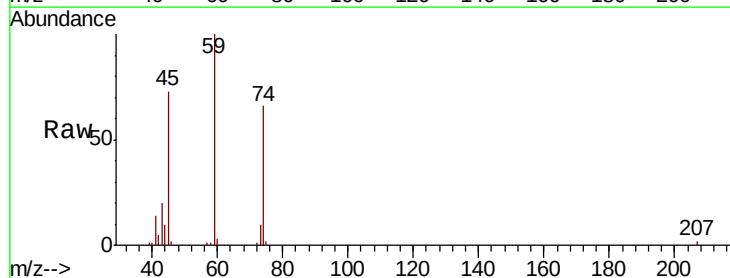
Tot Ion:101 Resp: 68821
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.9 76.3

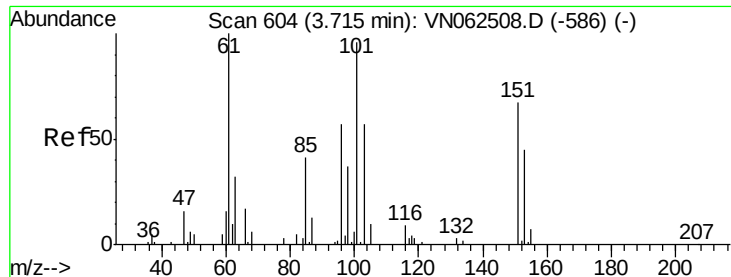


#8

Diethyl Ether
 Concen: 18.997 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 74 Resp: 32447
 Ion Ratio Lower Upper
 74 100
 45 112.3 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.230 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

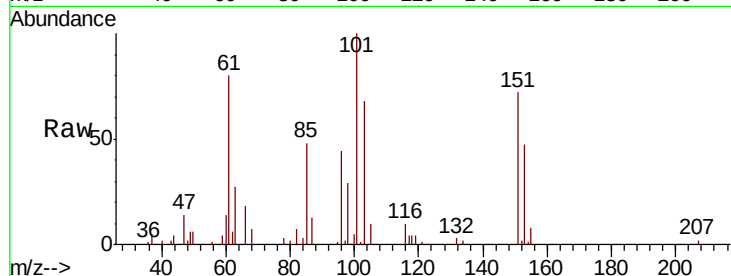
Tot Ion:101 Resp: 44170

Ion Ratio Lower Upper

101 100

85 45.2 0.0 90.4

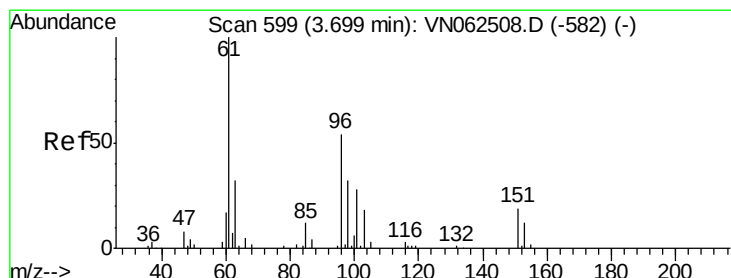
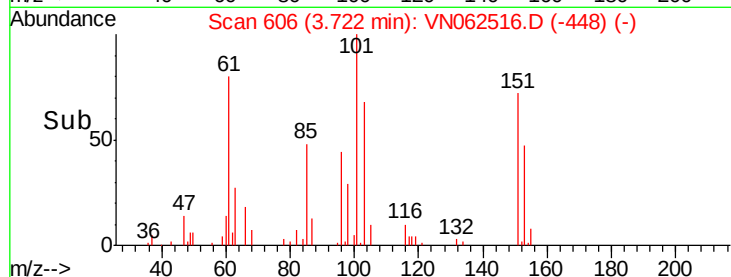
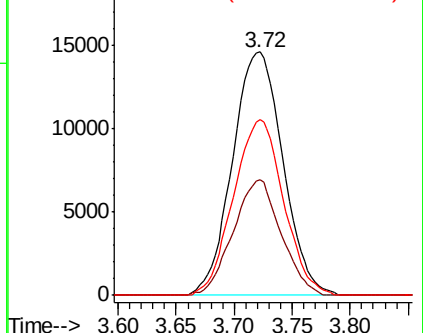
151 71.7 0.0 145.6



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: 19.113 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

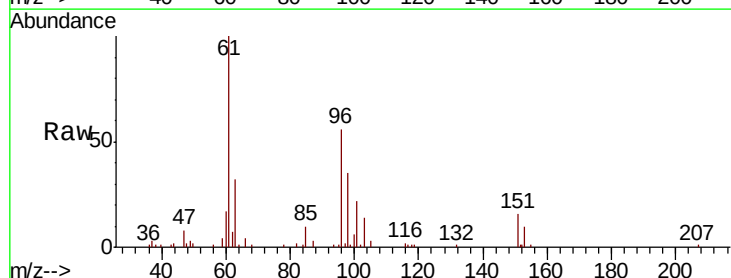
Tgt Ion: 96 Resp: 44787

Ion Ratio Lower Upper

96 100

61 178.6 147.8 221.8

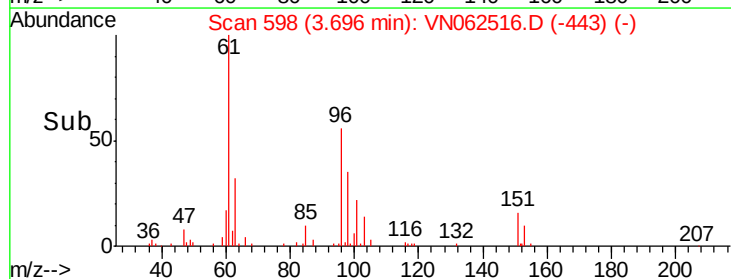
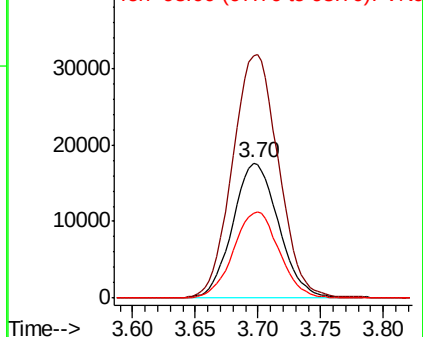
98 62.6 47.8 71.8

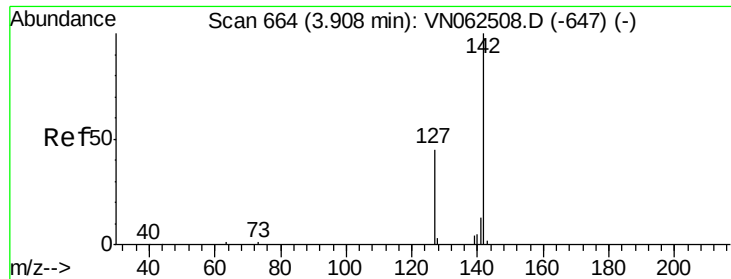


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

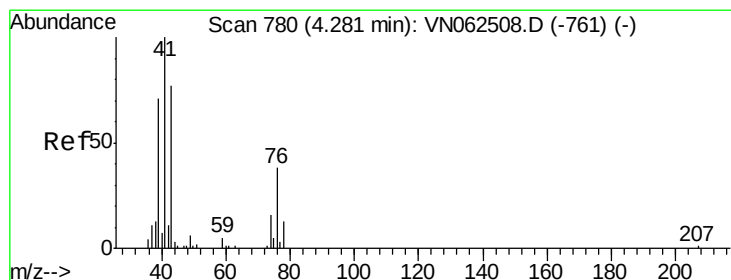
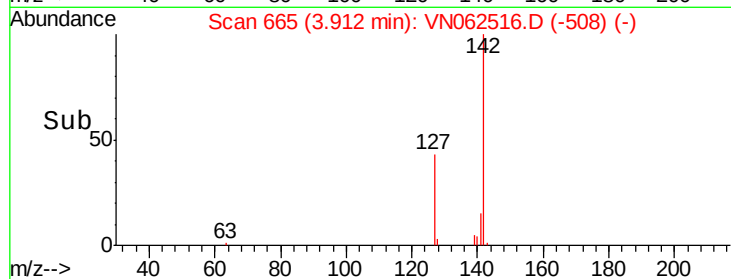
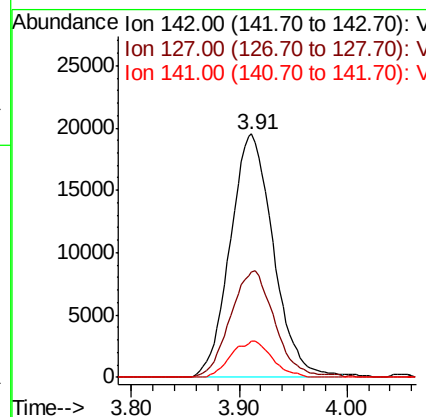
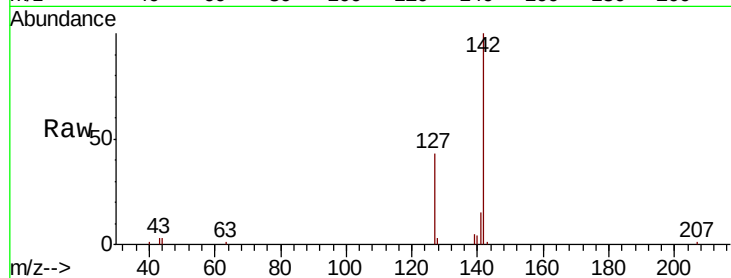




#11
Methvl Iodide
Concen: 18.961 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

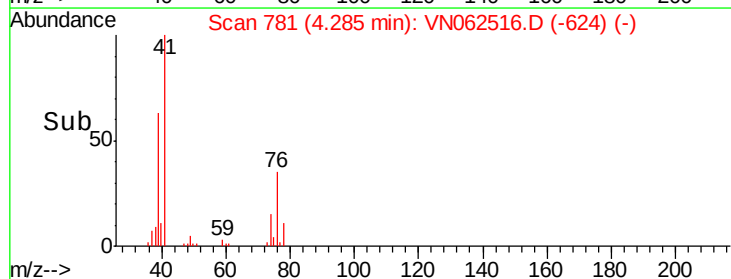
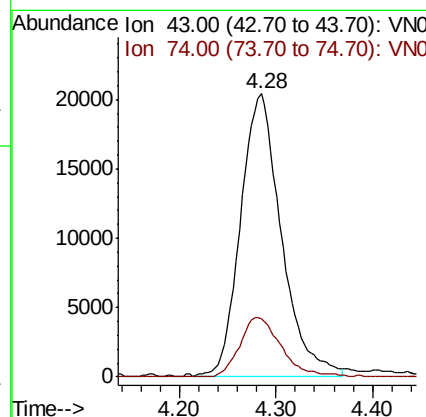
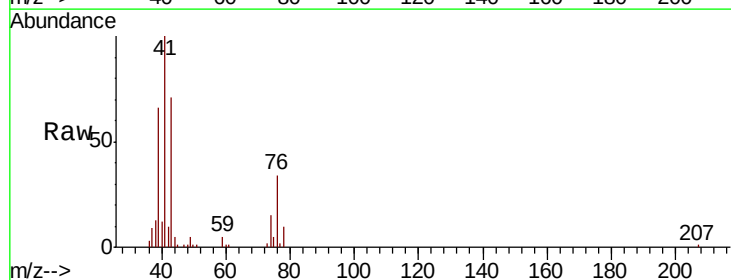
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

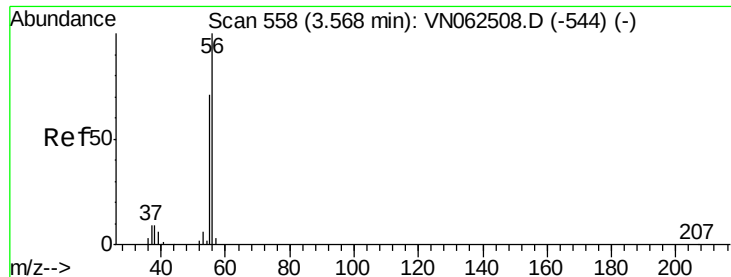
Tot Ion:142 Resp: 54409
Ion Ratio Lower Upper
142 100
127 43.1 22.1 66.5
141 15.1 6.5 19.4



#12
Methyl Acetate
Concen: 19.121 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 43 Resp: 60091
Ion Ratio Lower Upper
43 100
74 20.4 16.7 25.1





#13

Acrolein

Concen: 97.549 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

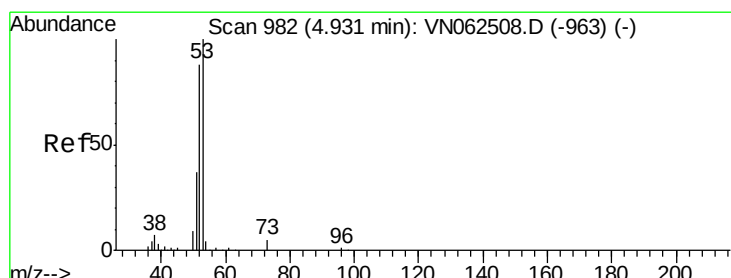
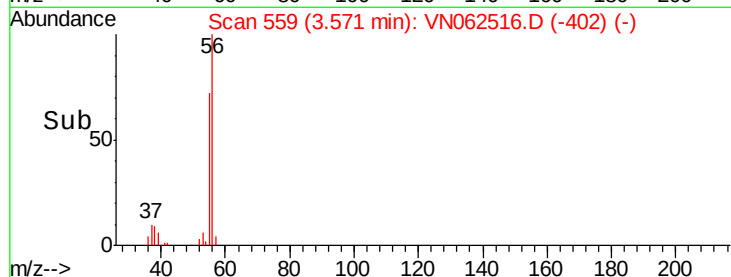
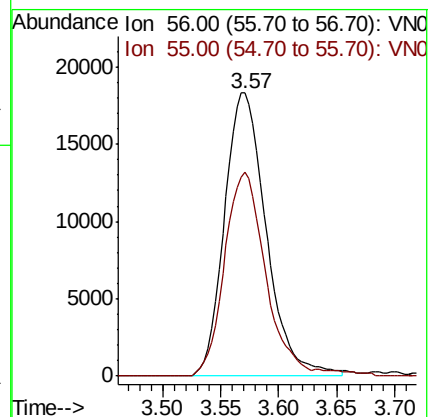
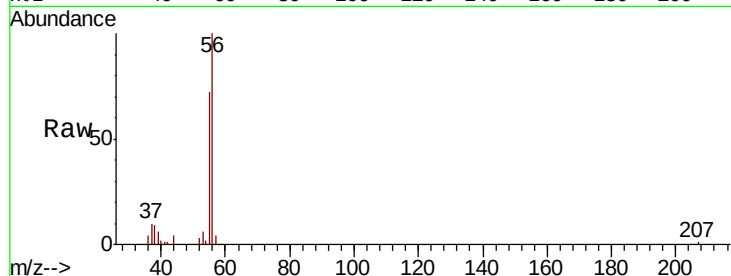
VN0713WBS01

Tot Ion: 56 Resp: 45803

Ion Ratio Lower Upper

56 100

55 70.0 56.0 84.0



#14

Acrylonitrile

Concen: 95.011 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

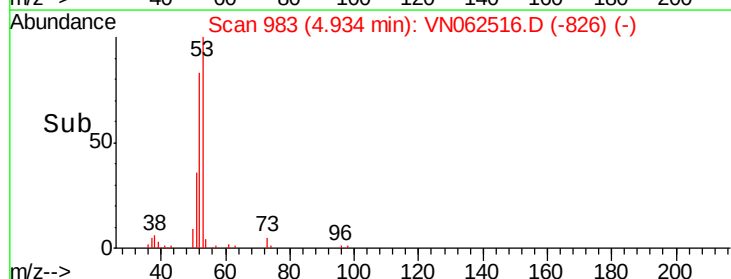
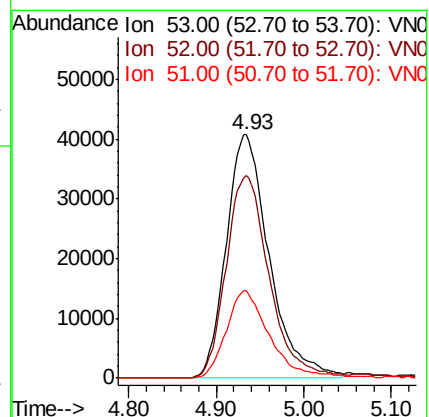
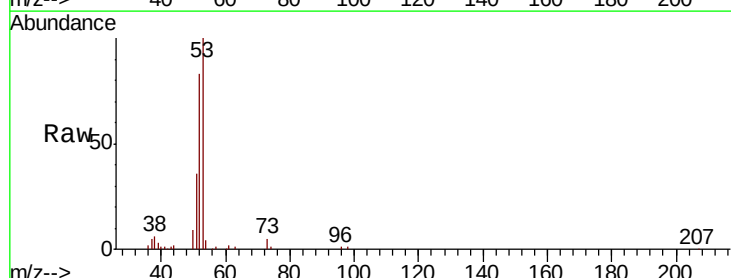
Tgt Ion: 53 Resp: 138867

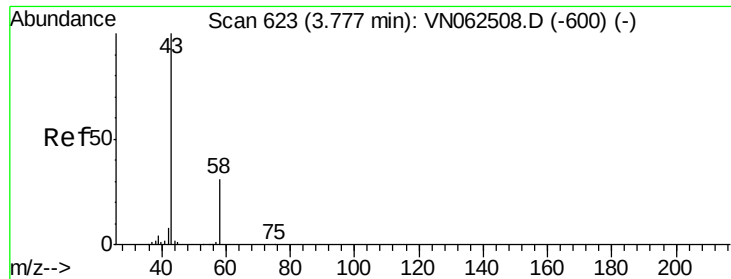
Ion Ratio Lower Upper

53 100

52 82.9 41.8 125.4

51 35.0 18.5 55.5





#15

Acetone

Concen: 83.798 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

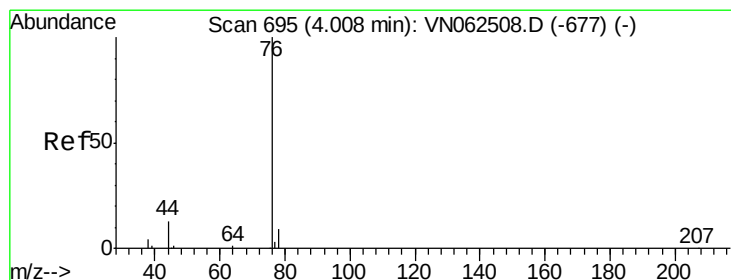
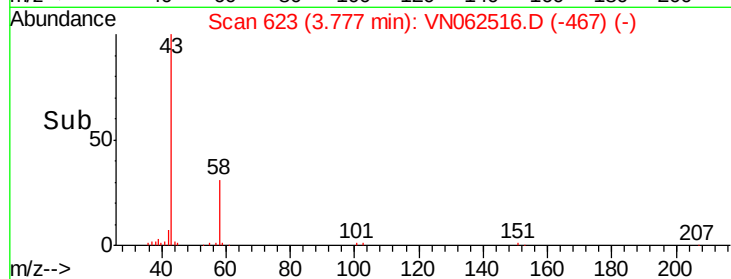
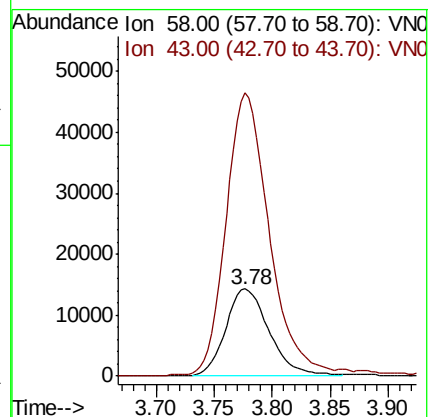
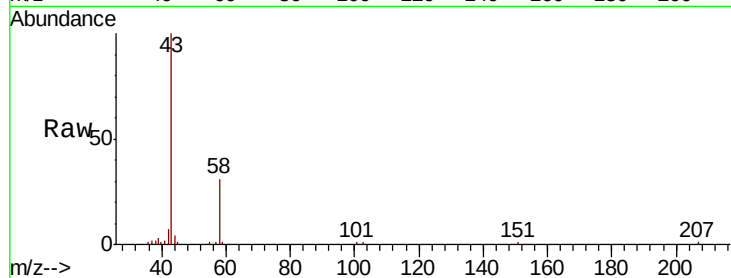
VN0713WBS01

Tot Ion: 58 Resp: 37598

Ion Ratio Lower Upper

58 100

43 320.9 261.1 391.7



#16

Carbon Disulfide

Concen: 18.711 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062516.D

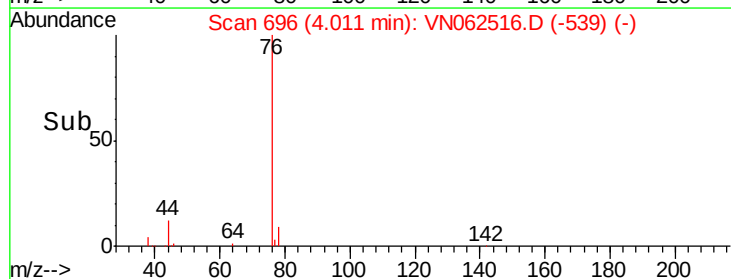
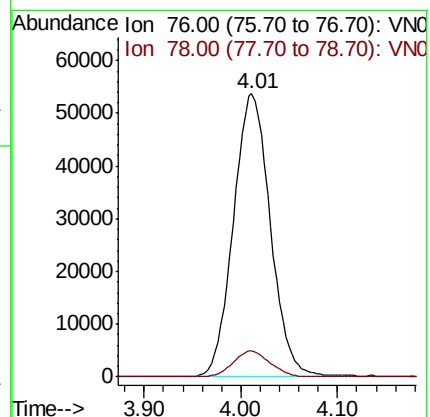
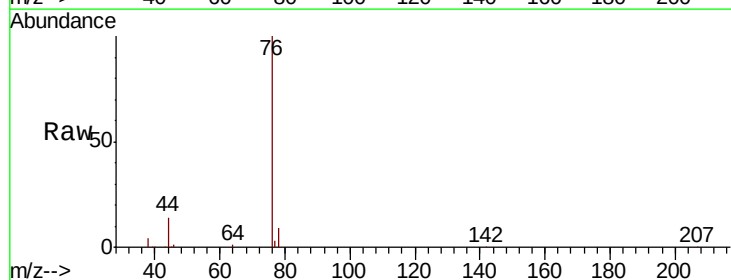
Acq: 13 Jul 2020 15:10

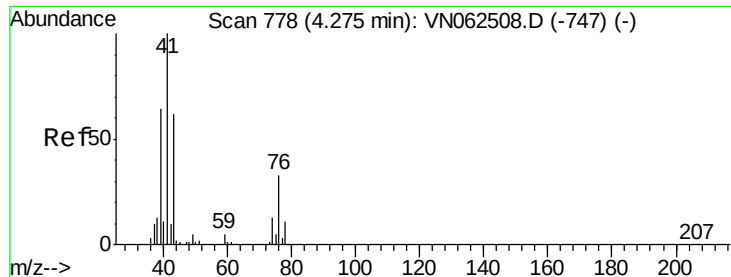
Tgt Ion: 76 Resp: 142884

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

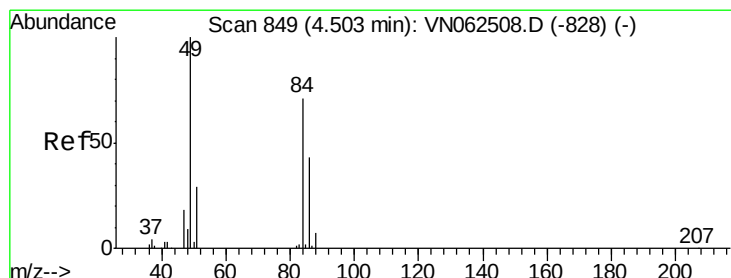
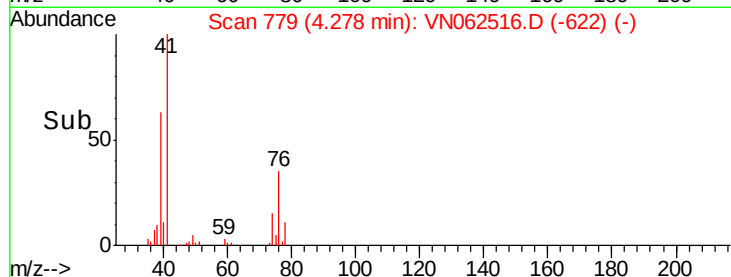
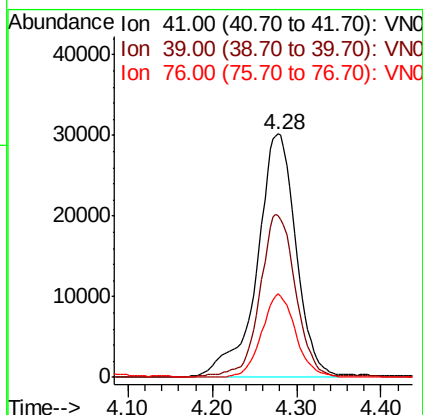
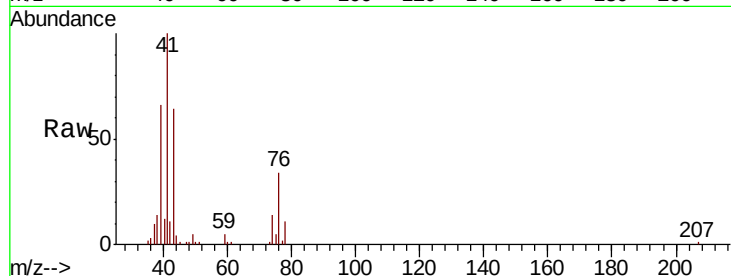




#17
Allvl chloride
Concen: 19.436 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

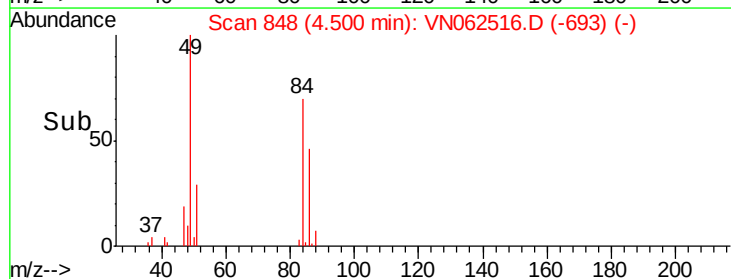
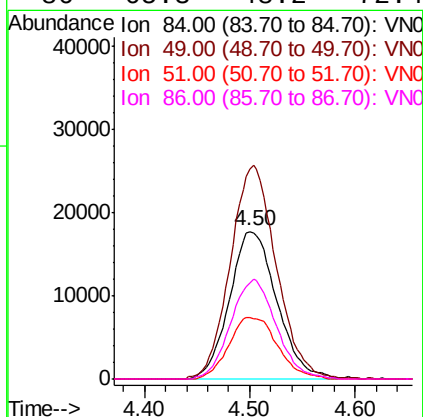
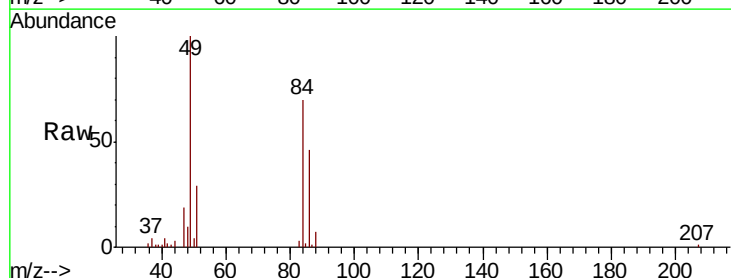
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

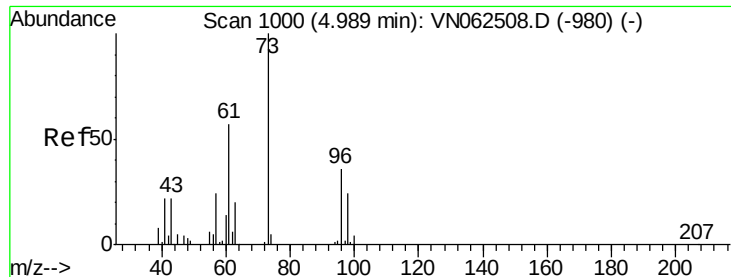
Tot Ion	Ratio	Lower	Upper
41	100		
39	66.2	31.9	95.5
76	34.1	16.6	49.8



#18
Methylene Chloride
Concen: 19.193 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.1	112.1	168.1
51	41.5	33.0	49.4
86	65.3	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 18.825 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

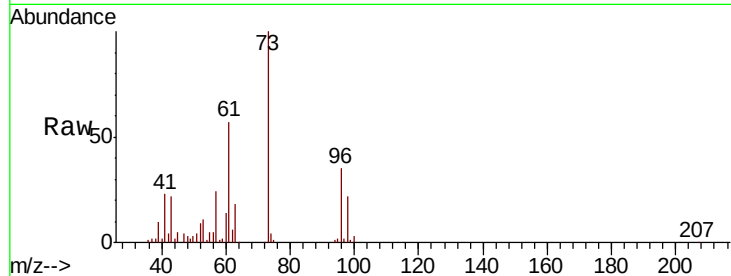
Tot Ion: 96 Resp: 48822

Ion Ratio Lower Upper

96 100

61 162.0 125.7 188.5

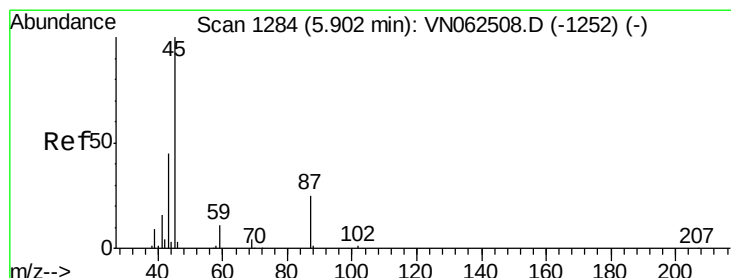
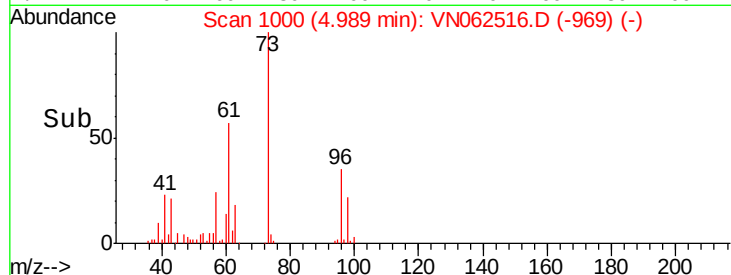
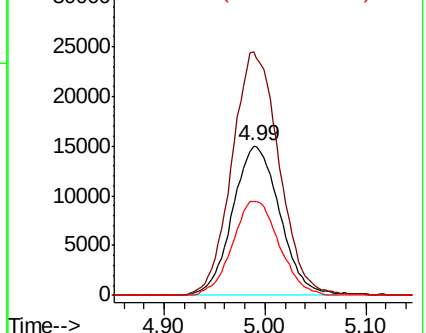
98 62.7 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VN062516.D (-969) (-)

Ion 61.00 (60.70 to 61.70): VN062516.D (-61) (-)

Ion 98.00 (97.70 to 98.70): VN062516.D (-98) (-)



#20

Diisopropyl ether

Concen: 19.290 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion: 45 Resp: 197626

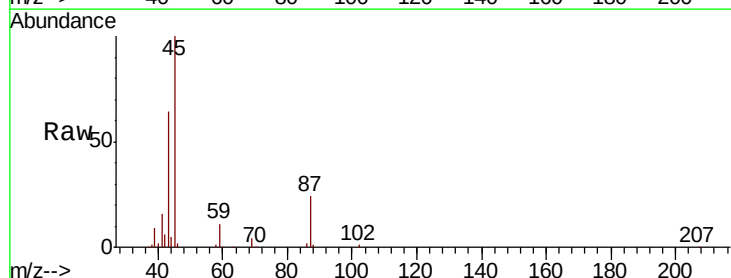
Ion Ratio Lower Upper

45 100

43 61.6 51.3 76.9

87 24.3 19.8 29.6

59 11.1 8.8 13.2

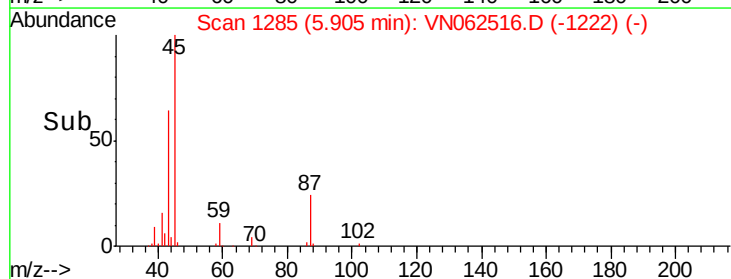
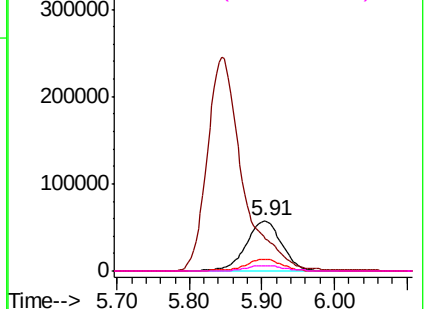


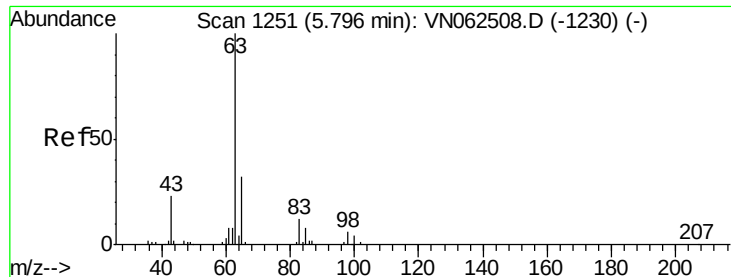
Abundance Ion 45.00 (44.70 to 45.70): VN062516.D (-45) (-)

Ion 43.00 (42.70 to 43.70): VN062516.D (-43) (-)

Ion 87.00 (86.70 to 87.70): VN062516.D (-87) (-)

Ion 59.00 (58.70 to 59.70): VN062516.D (-59) (-)

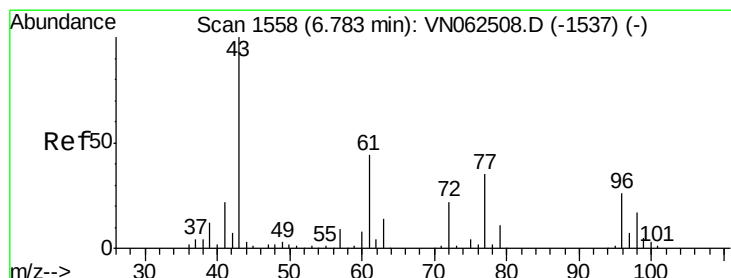
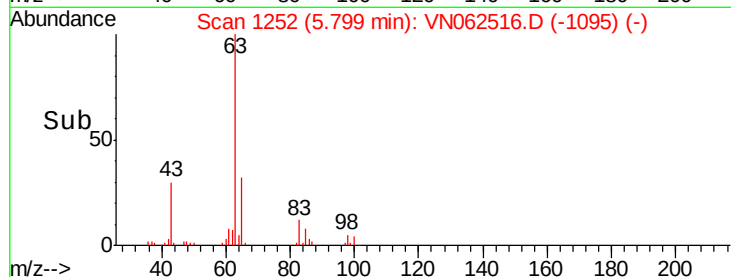
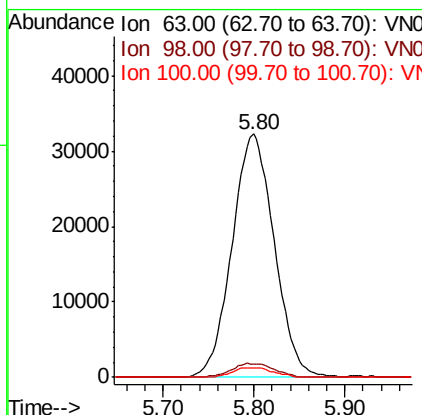
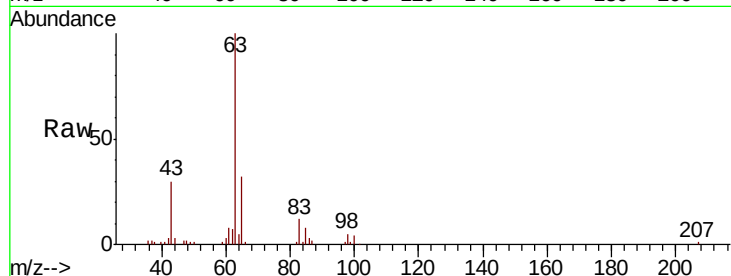




#21
 1,1-Dichloroethane
 Concen: 19.184 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

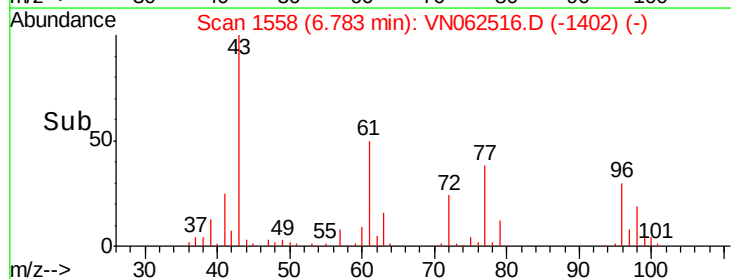
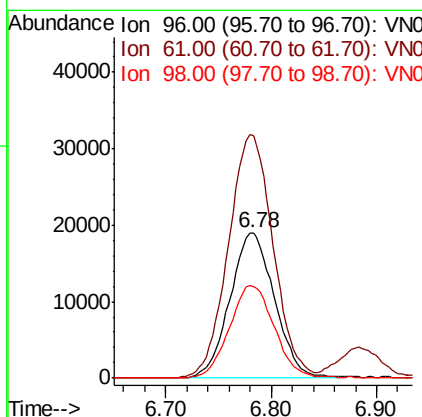
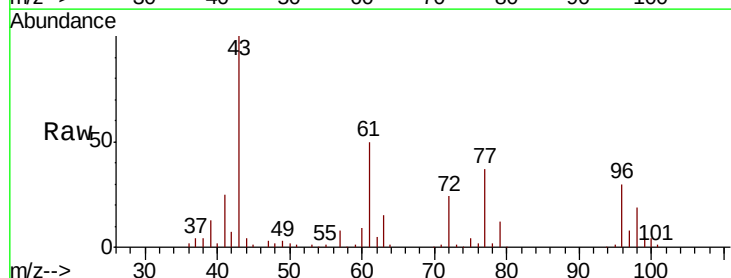
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

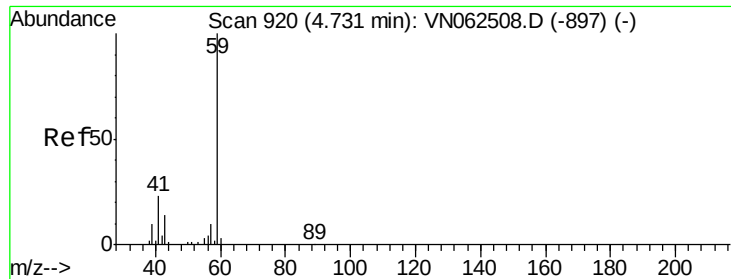
Tot Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.8	8.4
100	3.9	2.0	5.8



#22
 cis-1,2-Dichloroethene
 Concen: 19.047 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	134.9	202.3
98	64.1	51.5	77.3

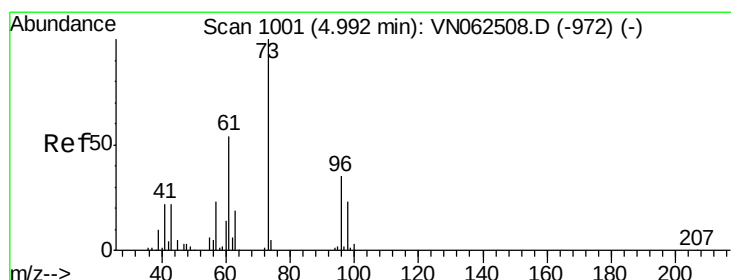
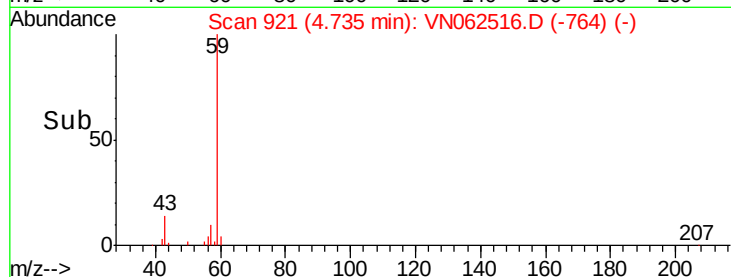
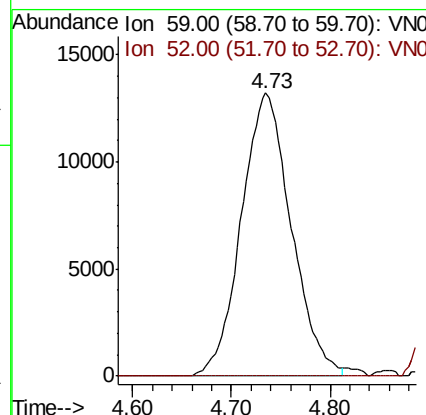
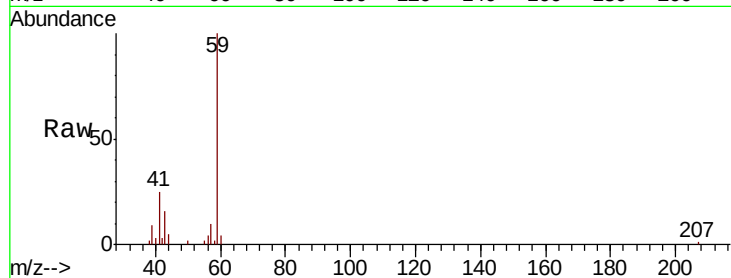




#23
 tert-Butyl Alcohol
 Concen: 94.751 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

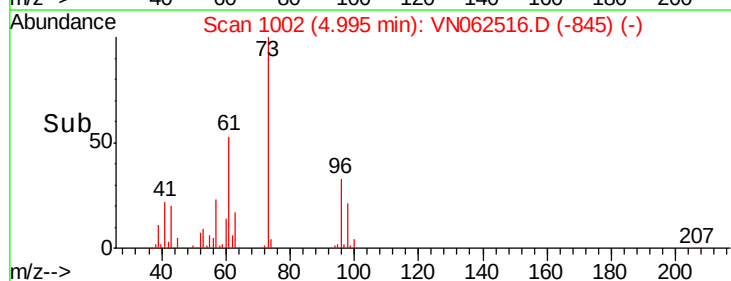
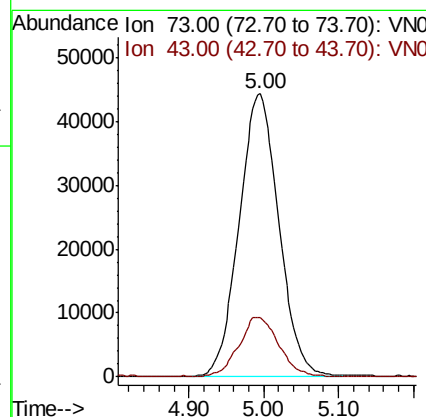
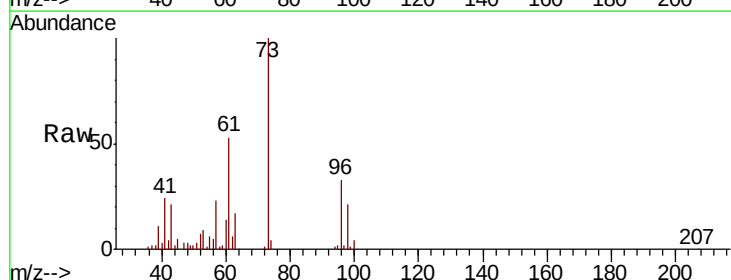
Instrument :
 MSVOA_N
 ClientSampled :
 VN0713WBS01

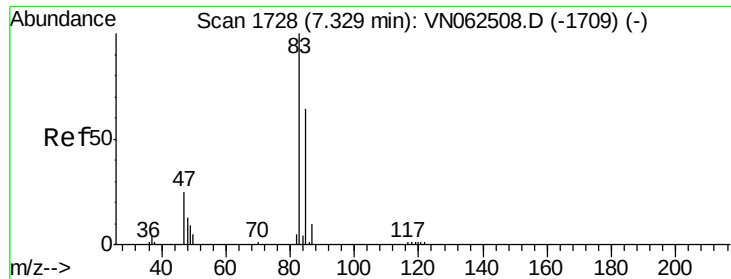
Tot Ion: 59 Resp: 46346
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 18.955 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 73 Resp: 163750
 Ion Ratio Lower Upper
 73 100
 43 21.3 16.9 25.3





#25

Chloroform

Concen: 19.499 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

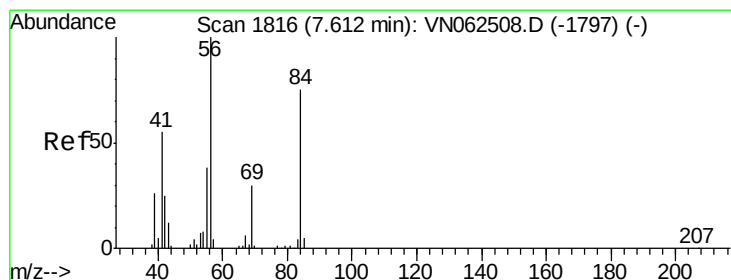
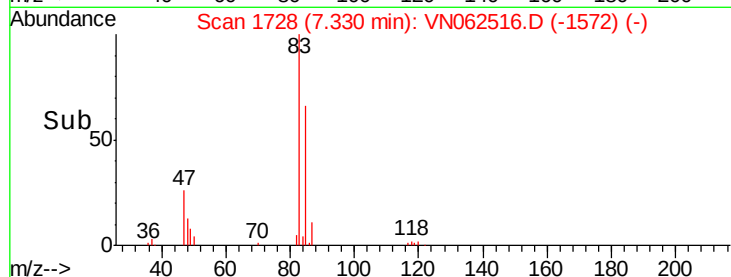
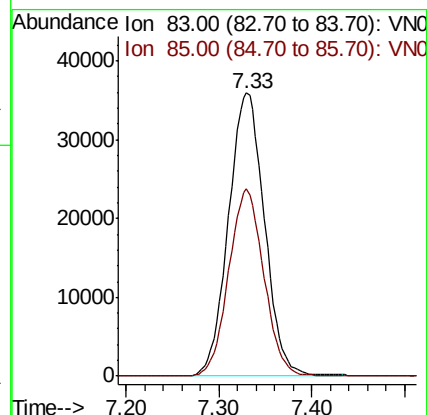
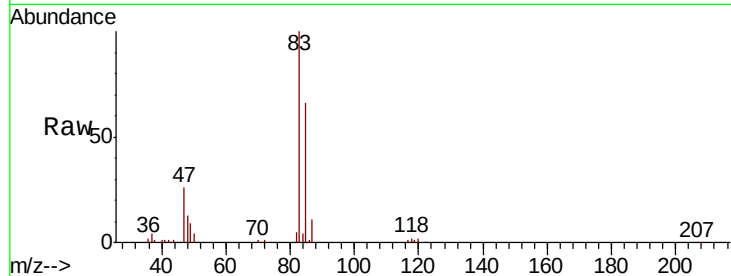
VN0713WBS01

Tot Ion: 83 Resp: 96851

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.4



#26

Cyclohexane

Concen: 19.449 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

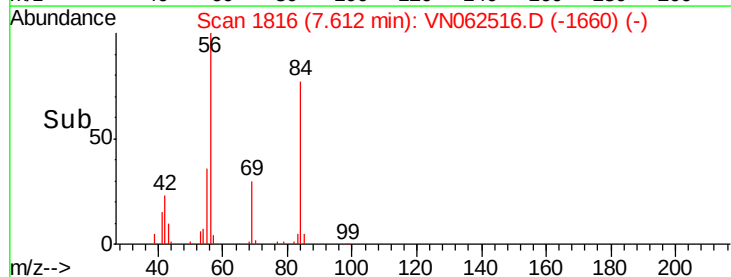
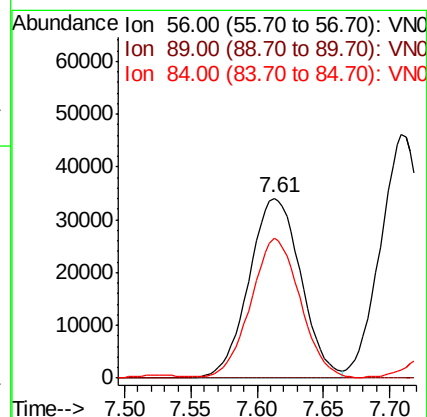
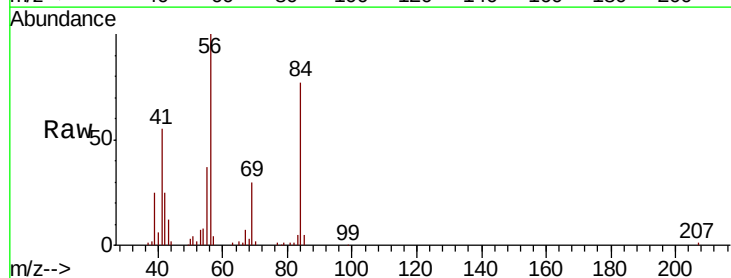
Tgt Ion: 56 Resp: 92848

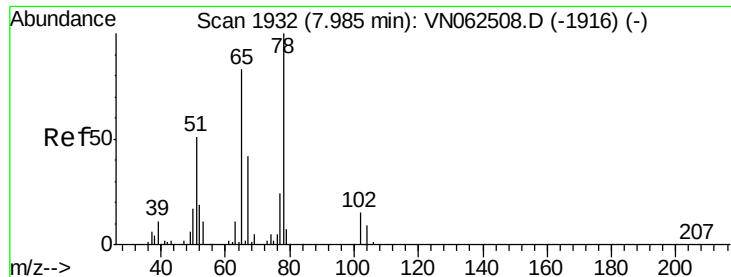
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 74.4 61.1 91.7

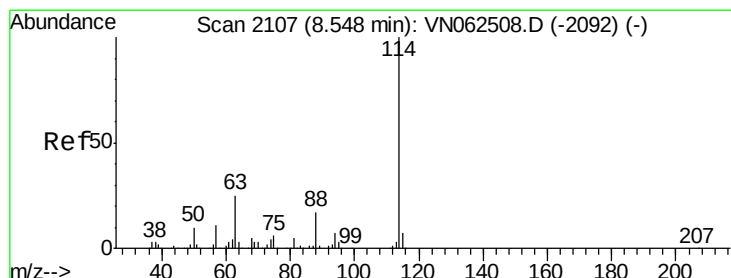
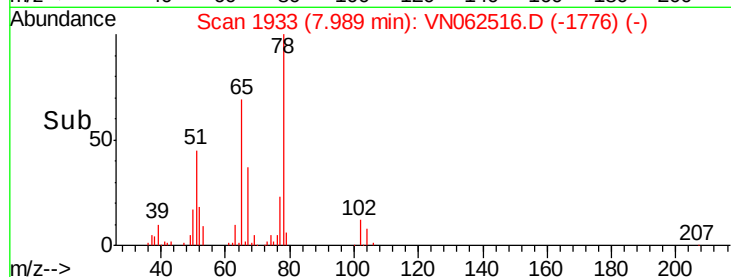
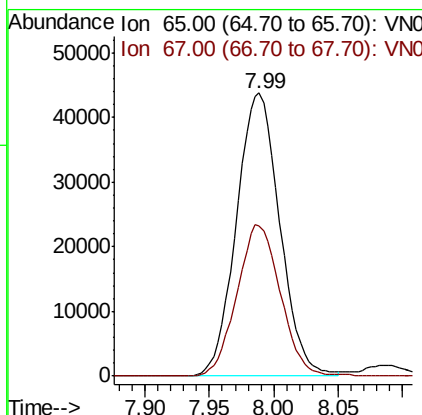
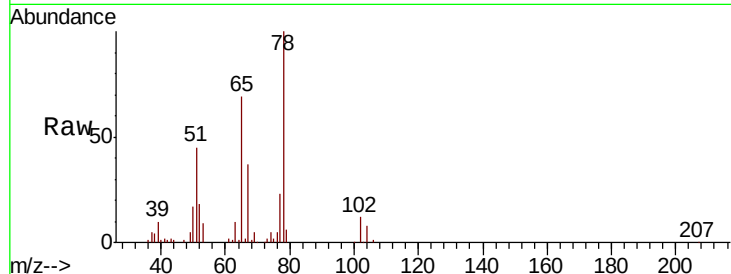




#27
 1,2-Dichloroethane-d4
 Concen: 29.305 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

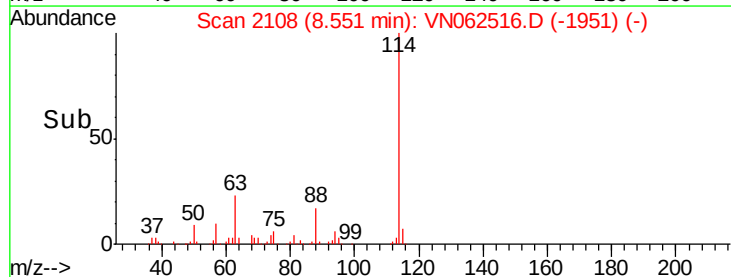
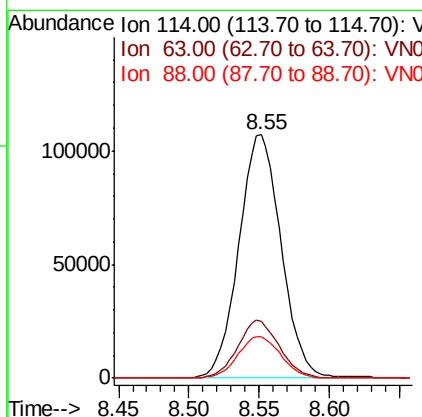
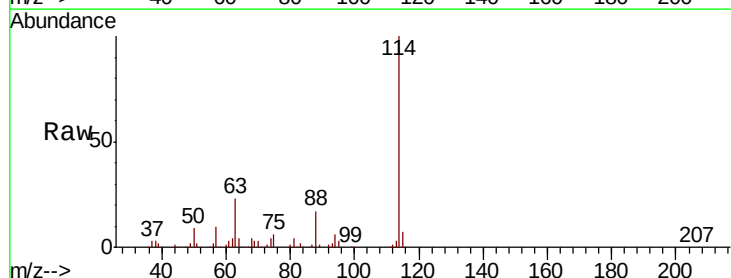
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

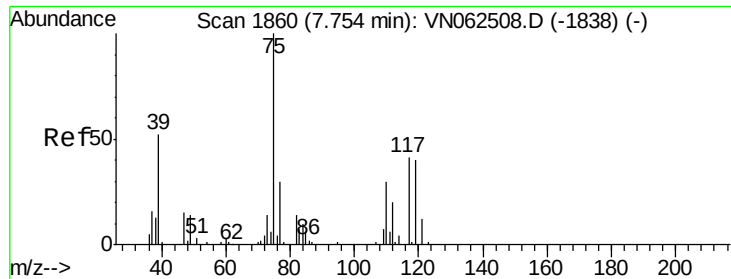
Tot Ion: 65 Resp: 102441
 Ion Ratio Lower Upper
 65 100
 67 53.6 41.7 62.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 114 Resp: 224159
 Ion Ratio Lower Upper
 114 100
 63 23.4 19.4 29.0
 88 17.3 13.5 20.3





#29

1,1-Dichloropropene

Concen: 19.441 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

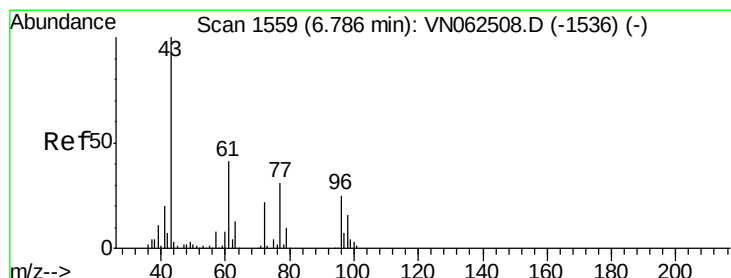
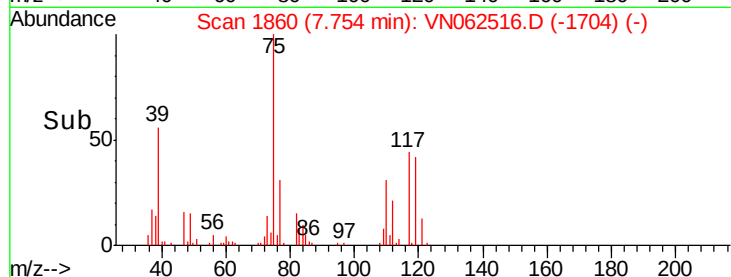
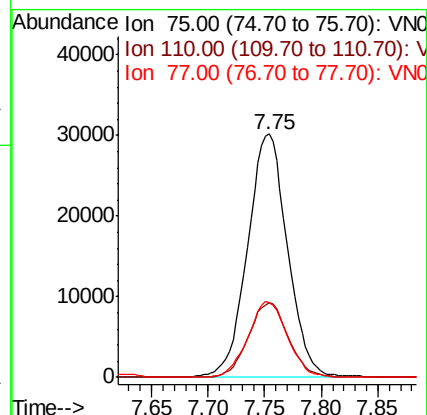
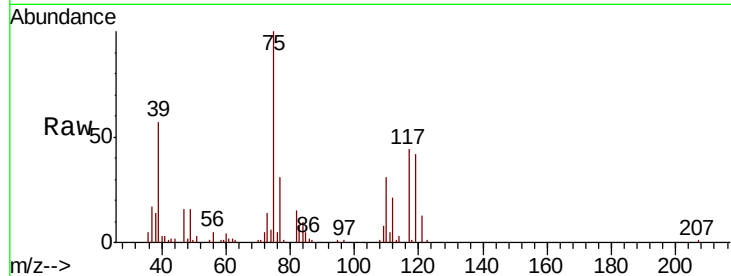
Tot Ion: 75 Resp: 73921

Ion Ratio Lower Upper

75 100

110 30.7 0.0 62.4

77 30.8 0.0 62.8



#30

2-Butanone

Concen: 92.921 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

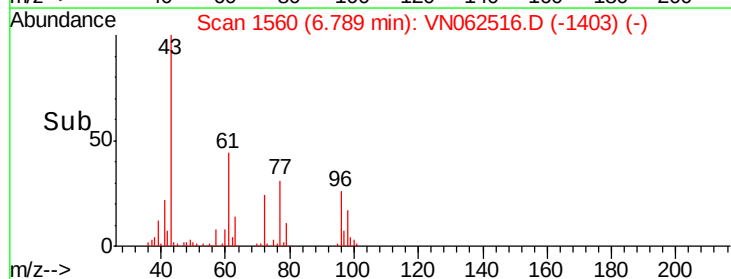
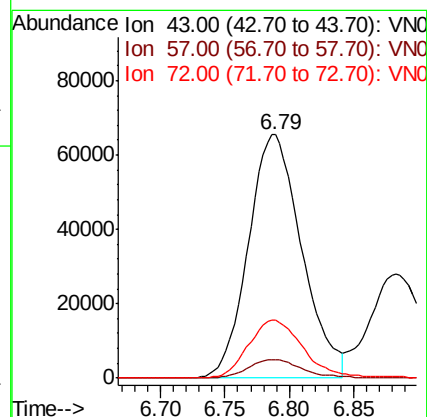
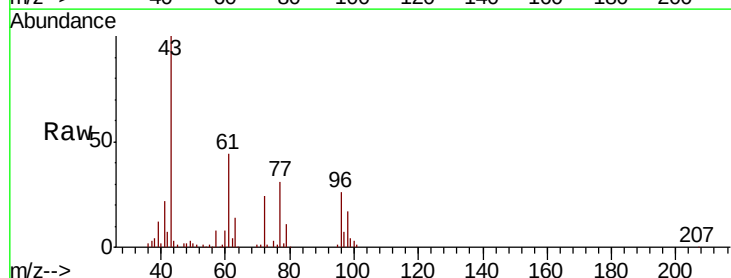
Tgt Ion: 43 Resp: 187374

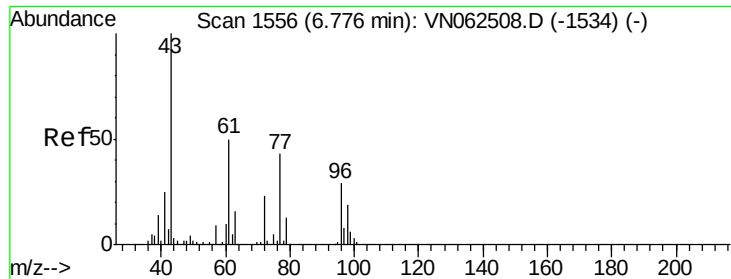
Ion Ratio Lower Upper

43 100

57 7.7 6.6 9.8

72 24.7 18.5 27.7

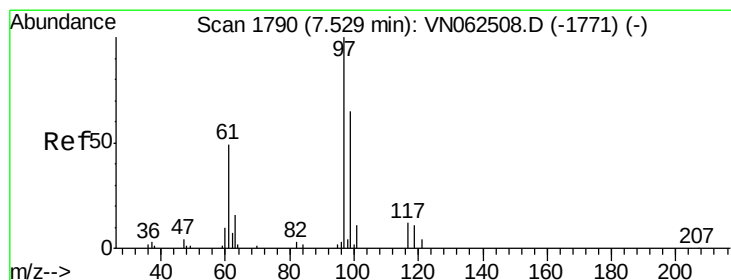
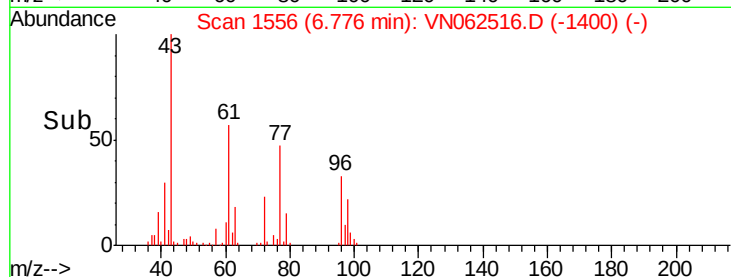
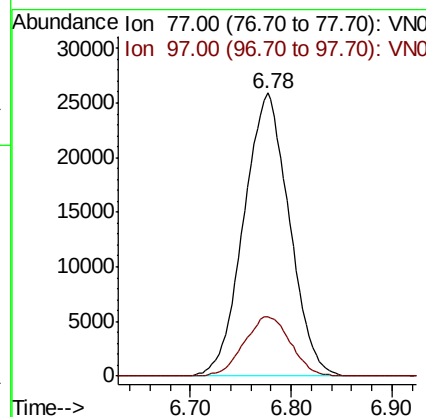
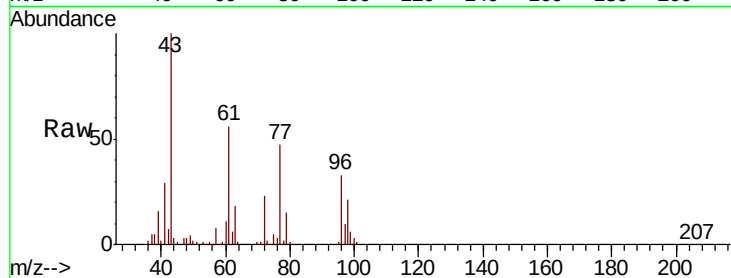




#31
 2,2-Dichloropropane
 Concen: 18.898 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

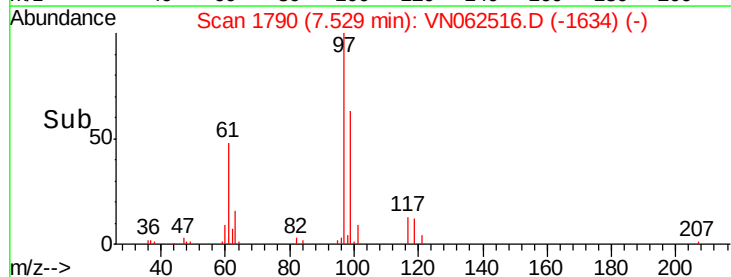
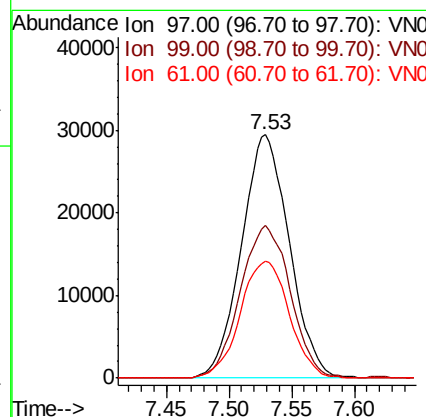
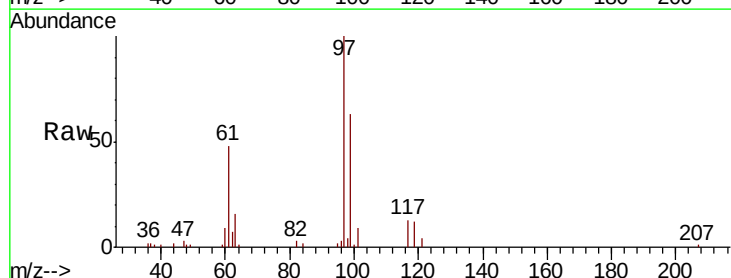
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

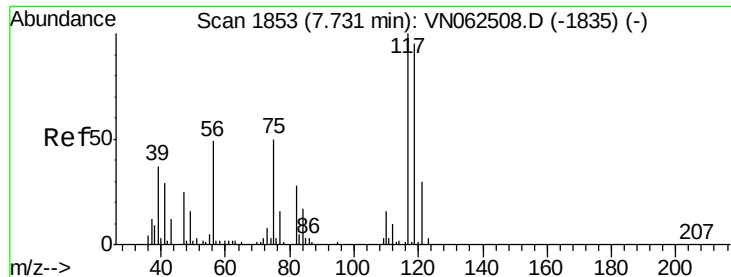
Tot Ion: 77 Resp: 81022
 Ion Ratio Lower Upper
 77 100
 97 21.5 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 19.151 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 97 Resp: 78262
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.8 77.8
 61 49.2 39.4 59.0

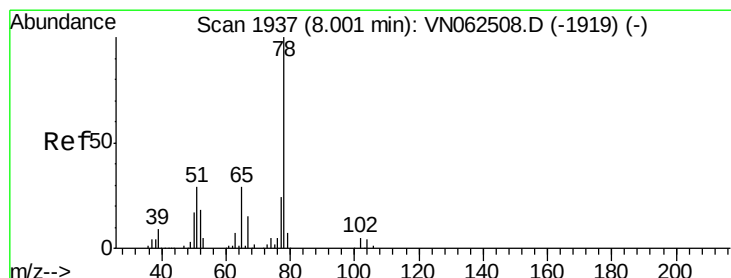
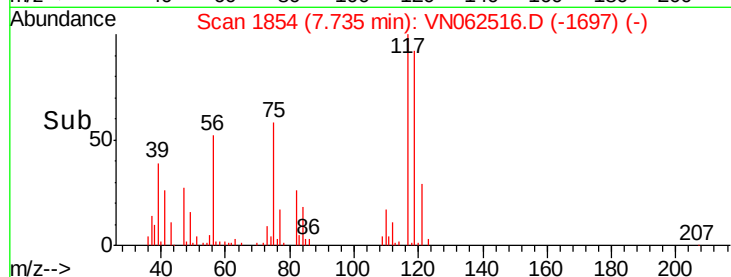
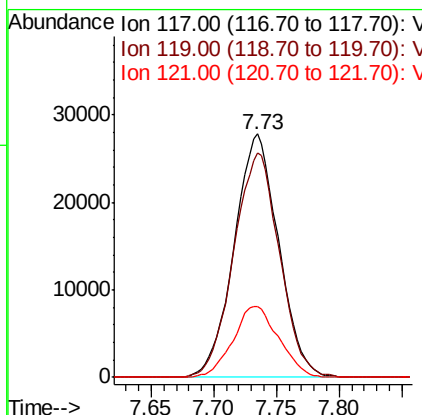
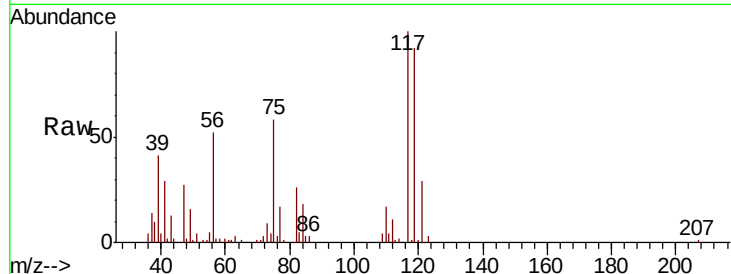




#33
Carbon Tetrachloride
Concen: 19.325 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

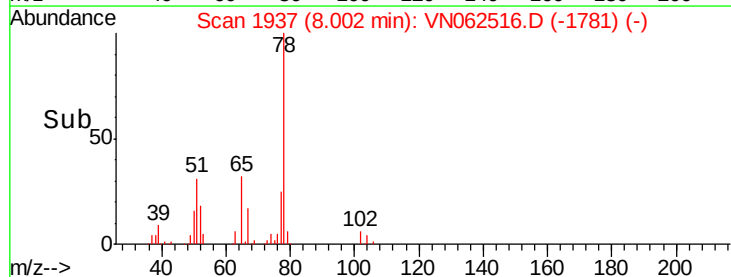
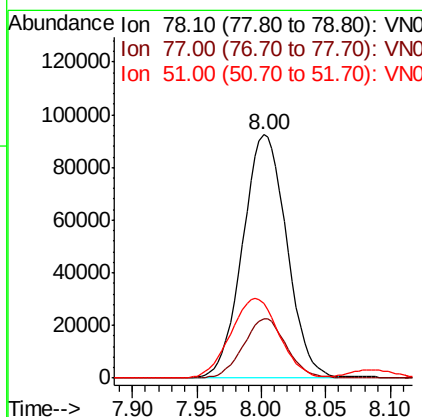
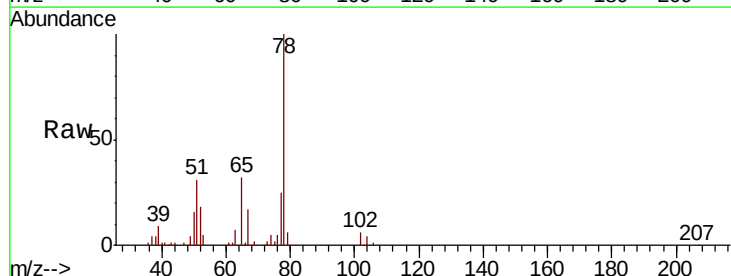
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

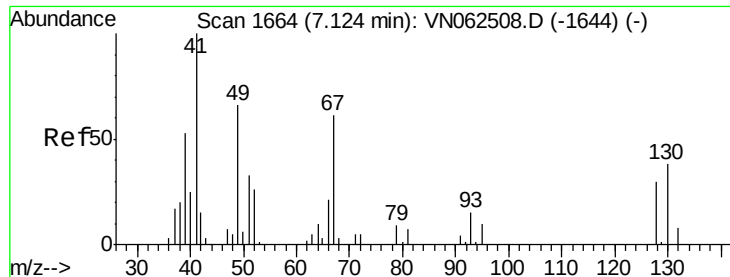
Tot Ion:117 Resp: 68460
Ion Ratio Lower Upper
117 100
119 92.4 76.2 114.4
121 29.3 23.8 35.6



#34
Benzene
Concen: 19.536 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 78 Resp: 220677
Ion Ratio Lower Upper
78 100
77 24.5 18.9 28.3
51 30.4 23.1 34.7

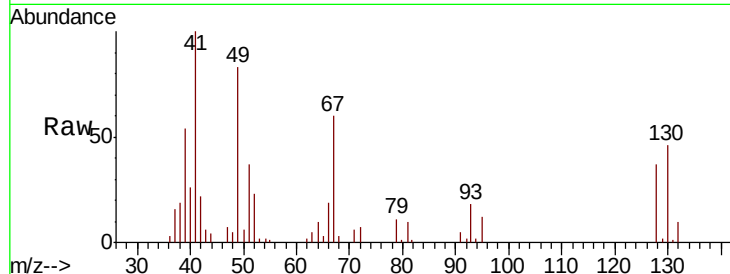




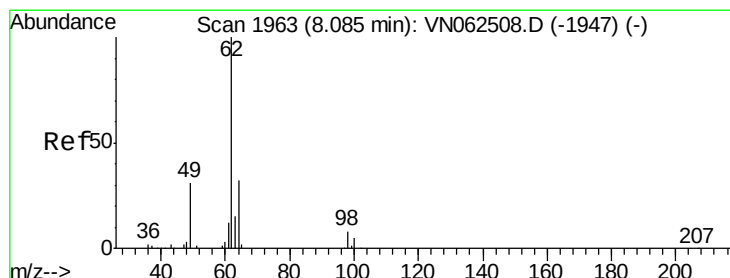
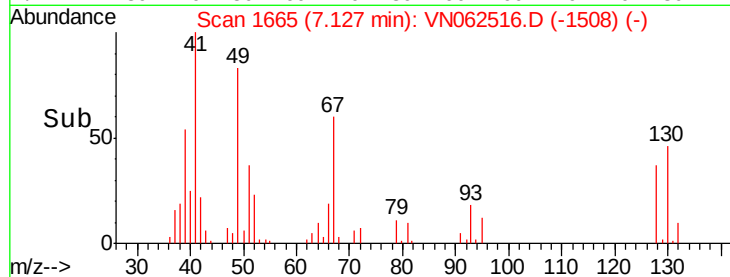
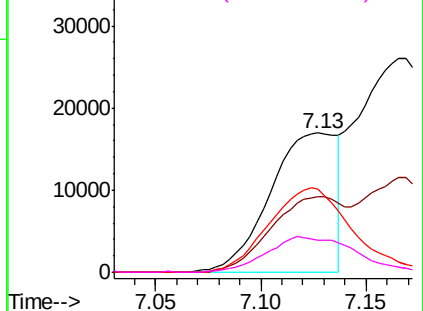
#35
Methacrylonitrile
Concen: 21.191 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion:	41	Resp:	37536
Ion	Ratio	Lower	Upper
41	100		
39	54.3	26.5	79.5
67	59.6	30.7	92.1
52	23.1	13.0	39.0

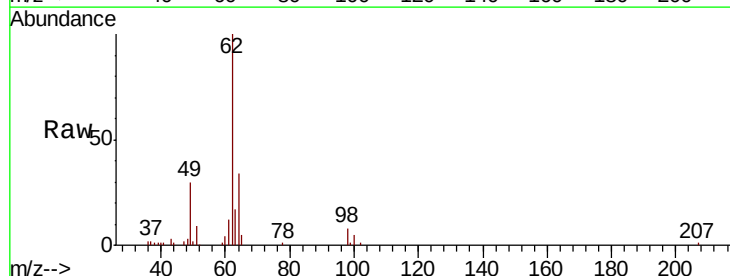


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

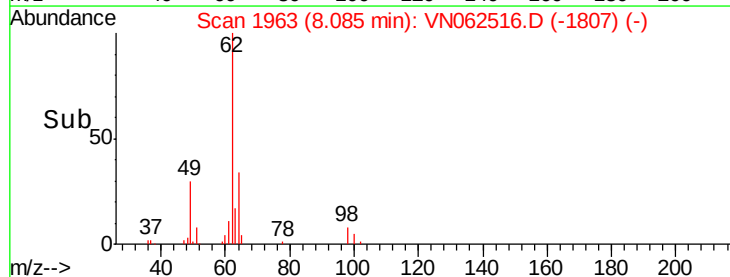
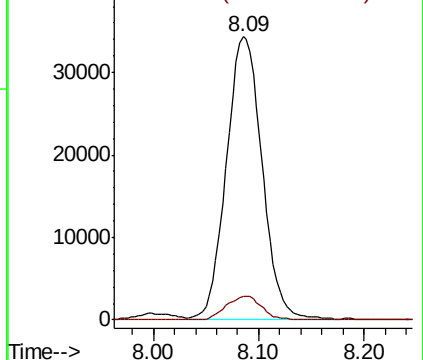


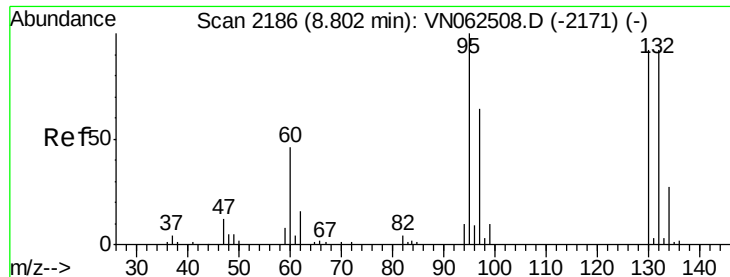
#36
1,2-Dichloroethane
Concen: 19.904 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion:	62	Resp:	80811
Ion	Ratio	Lower	Upper
62	100		
98	8.2	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: 19.734 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

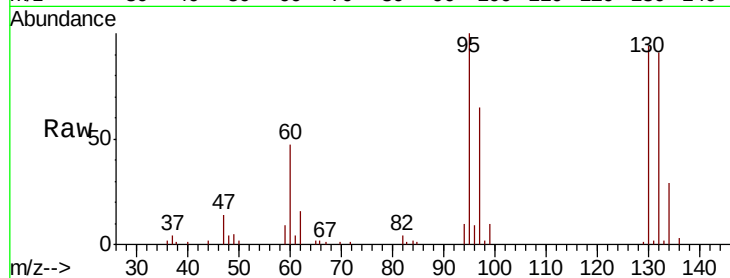
VN0713WBS01

Tot Ion:130 Resp: 50072

Ion Ratio Lower Upper

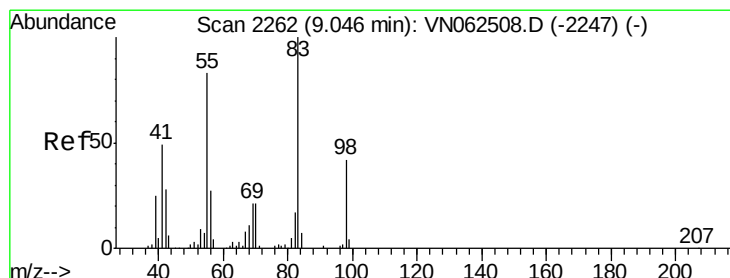
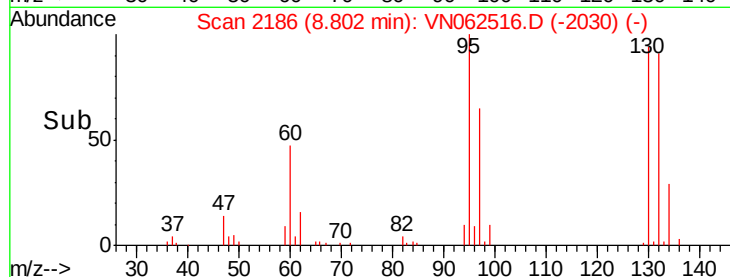
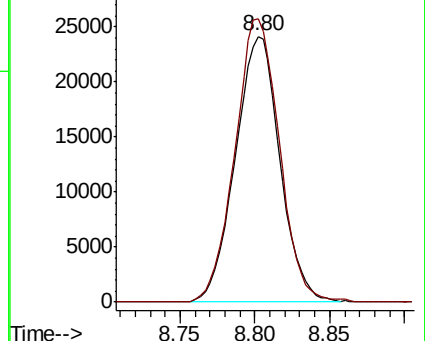
130 100

95 106.6 86.5 129.7



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.662 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

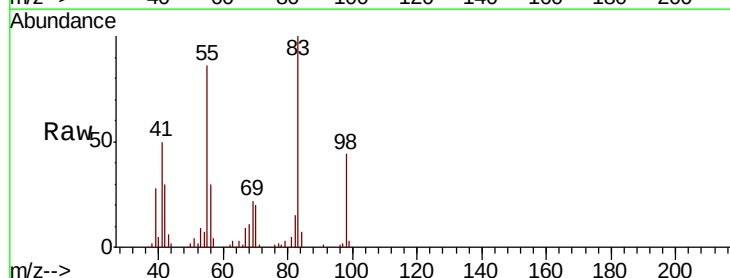
Tgt Ion: 83 Resp: 79601

Ion Ratio Lower Upper

83 100

55 87.4 42.8 128.3

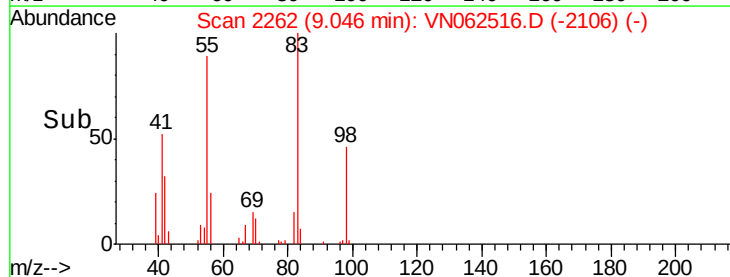
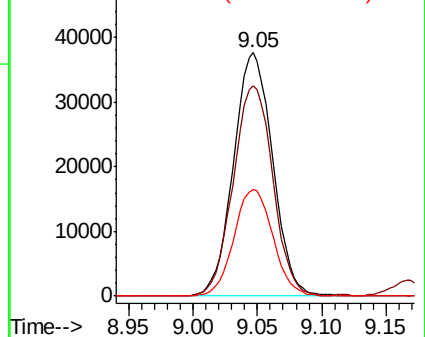
98 43.7 21.9 65.7

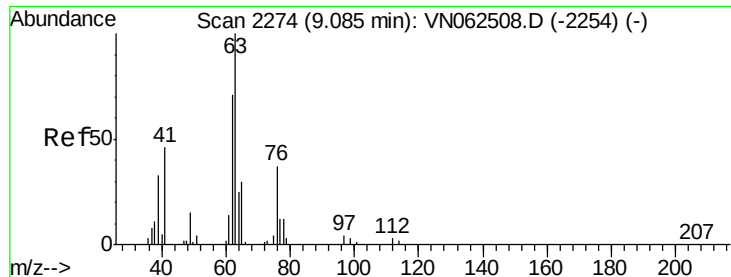


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.998 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

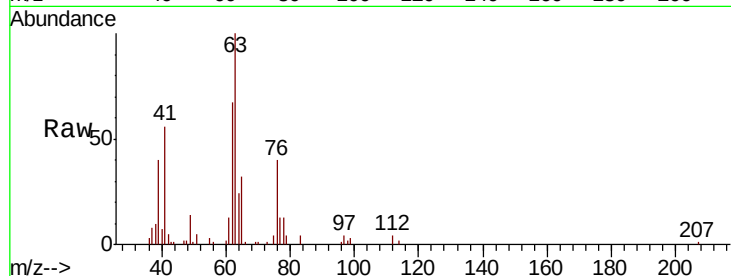
VN0713WBS01

Tot Ion: 63 Resp: 64358

Ion Ratio Lower Upper

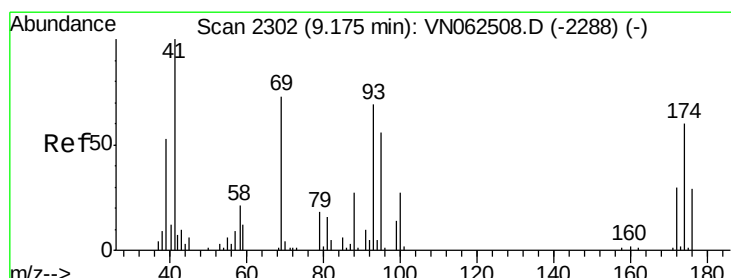
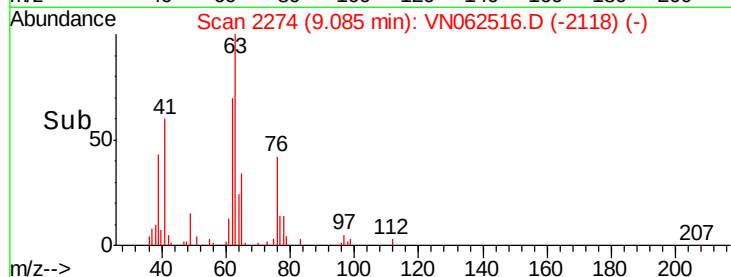
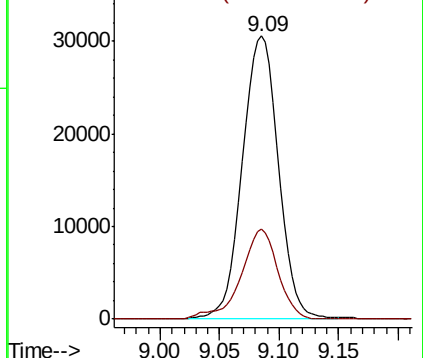
63 100

65 31.7 24.2 36.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.555 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

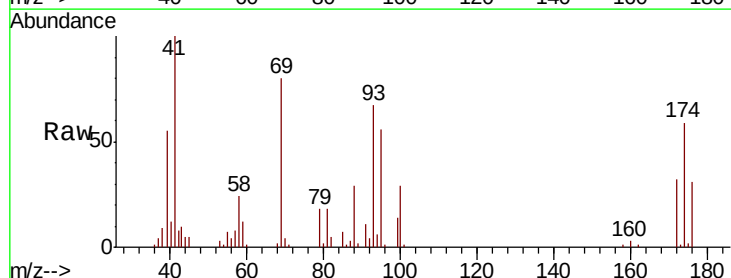
Tgt Ion: 93 Resp: 36269

Ion Ratio Lower Upper

93 100

95 81.2 0.0 161.2

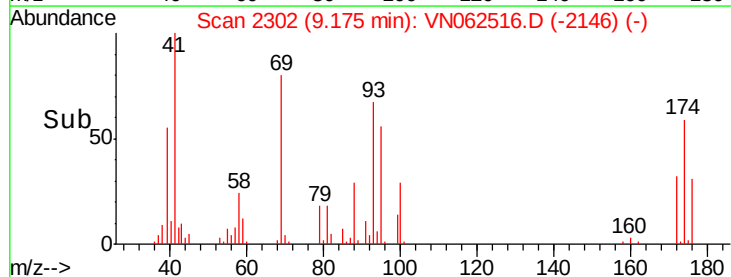
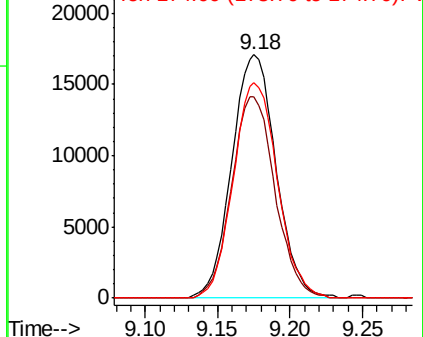
174 88.3 0.0 178.0

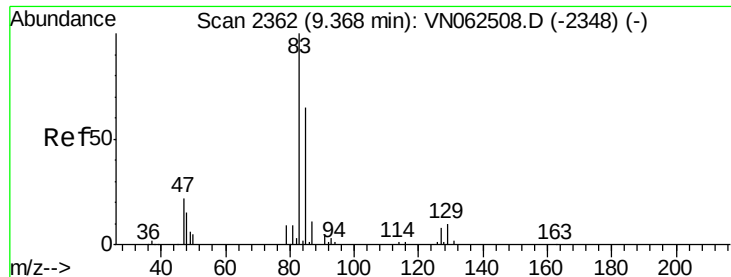


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

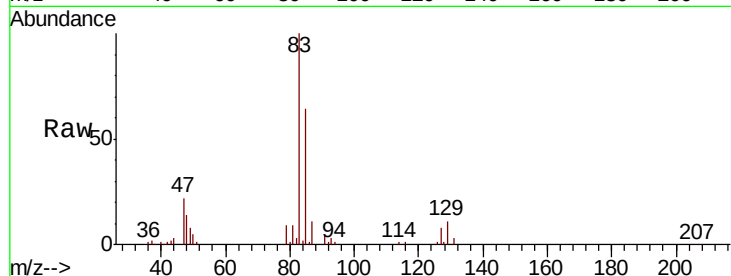




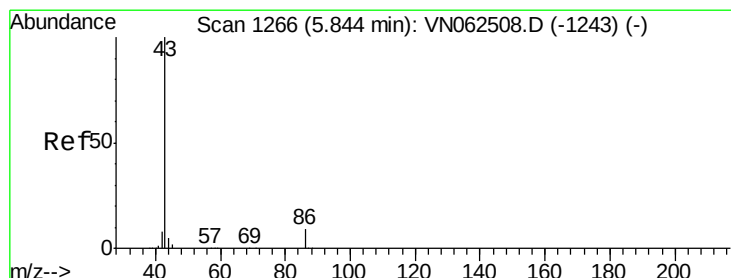
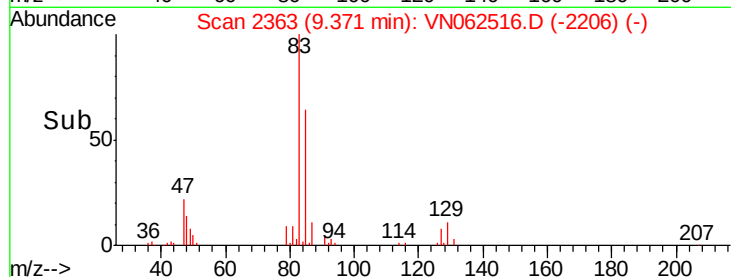
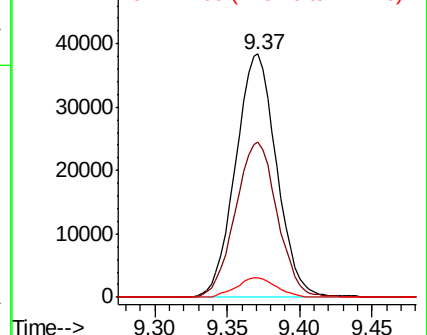
#41
Bromodichloromethane
Concen: 19.160 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion: 83 Resp: 75373
Ion Ratio Lower Upper
83 100
85 63.7 51.6 77.4
127 7.9 6.3 9.5

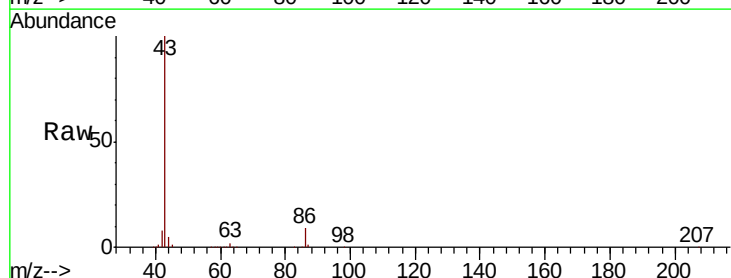


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

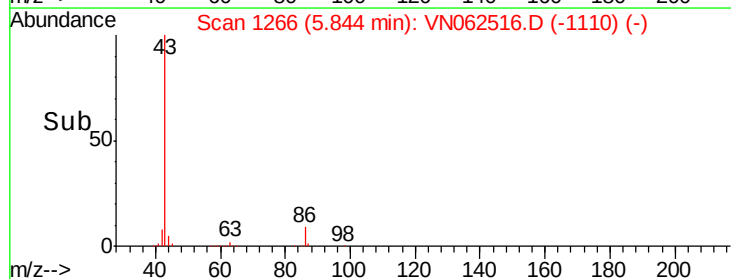
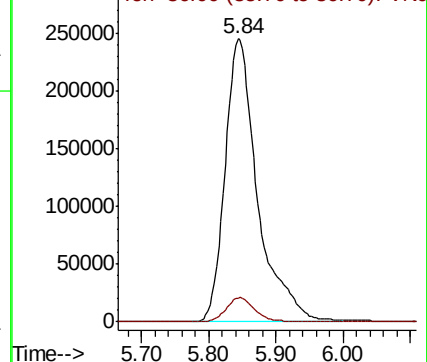


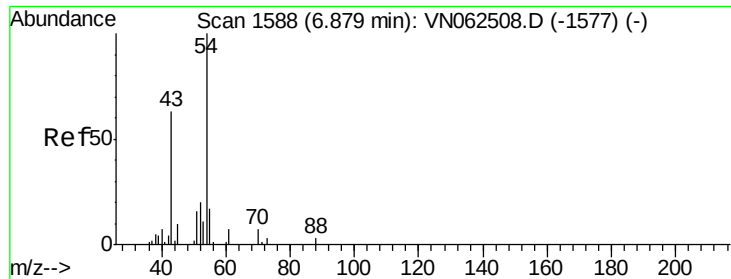
#42
Vinyl Acetate
Concen: 98.581 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 43 Resp: 826057
Ion Ratio Lower Upper
43 100
86 7.6 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

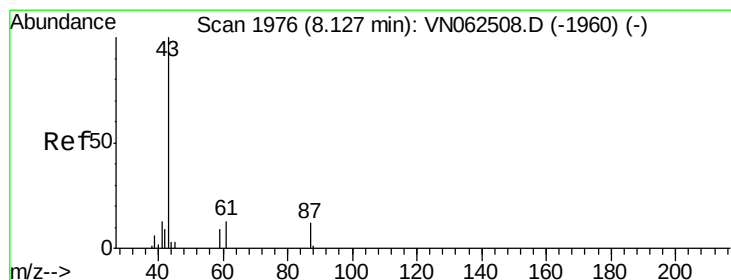
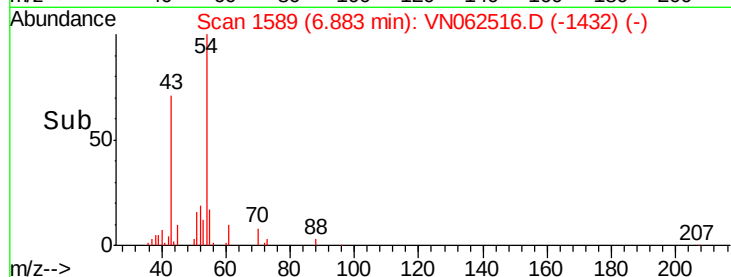
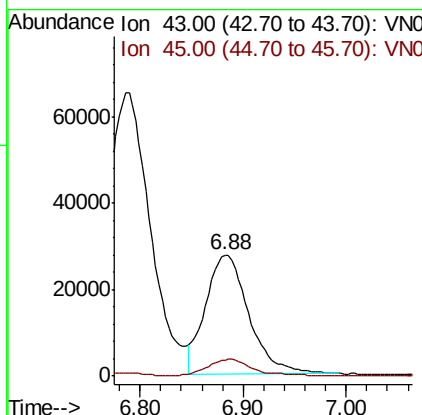
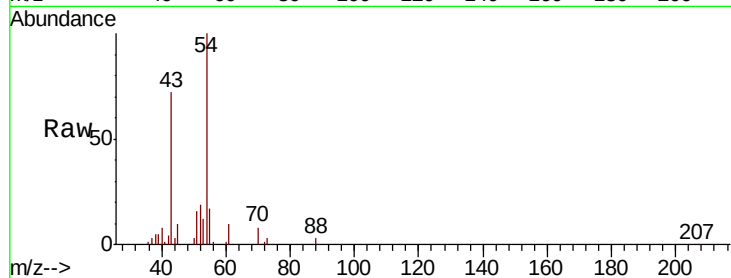




#43
Ethyl Acetate
Concen: 20.024 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

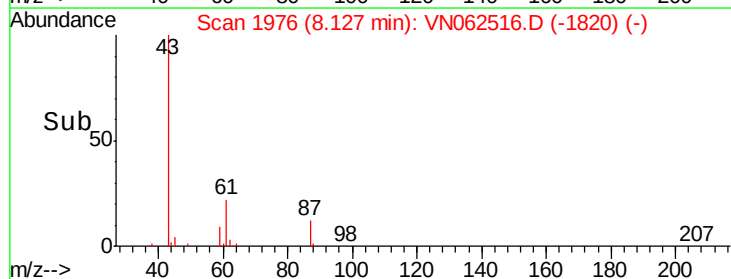
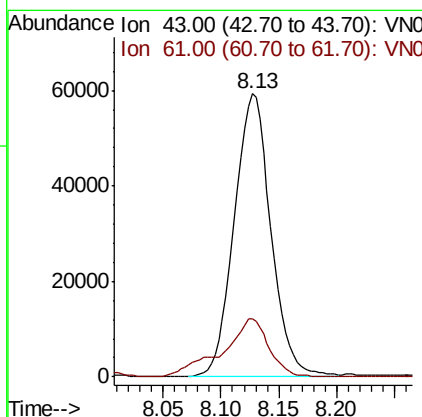
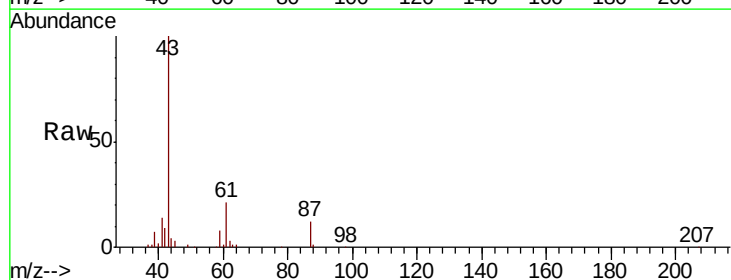
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

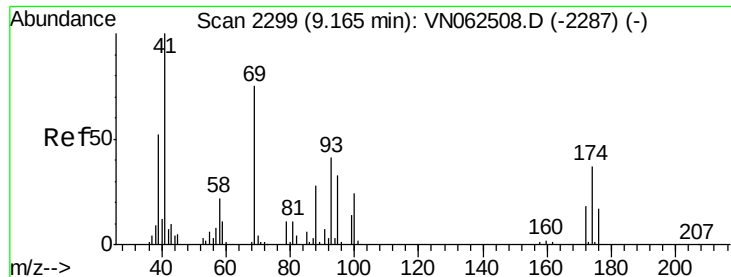
Tot Ion: 43 Resp: 81178
Ion Ratio Lower Upper
43 100
45 13.9 10.2 15.4



#44
Isopropyl Acetate
Concen: 19.180 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 43 Resp: 130461
Ion Ratio Lower Upper
43 100
61 20.1 14.7 22.1

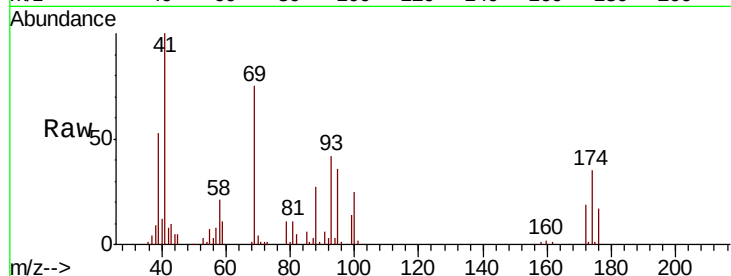




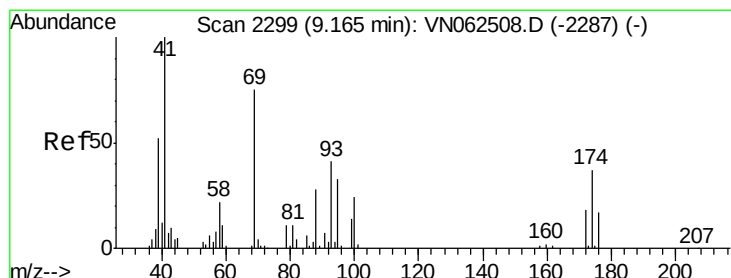
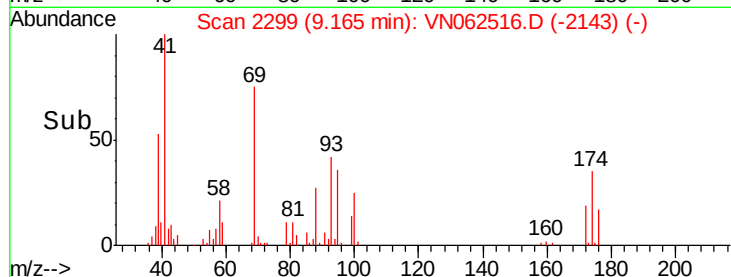
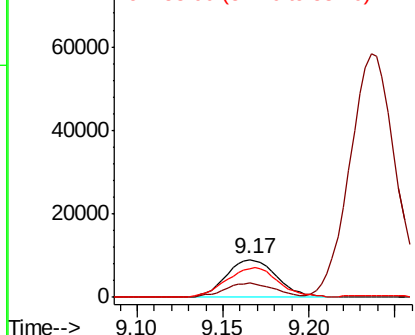
#45
 1,4-Dioxane
 Concen: 398.283 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Tot Ion: 88 Resp: 18532
 Ion Ratio Lower Upper
 88 100
 43 34.6 29.2 43.8
 58 80.6 62.2 93.4

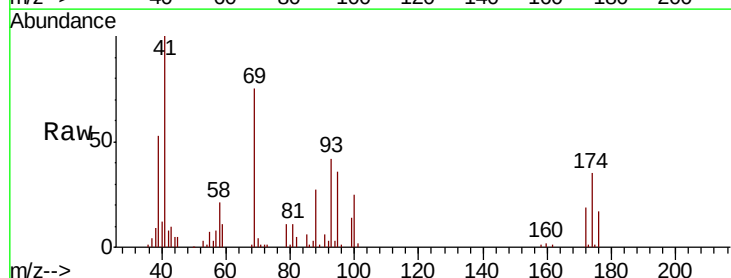


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

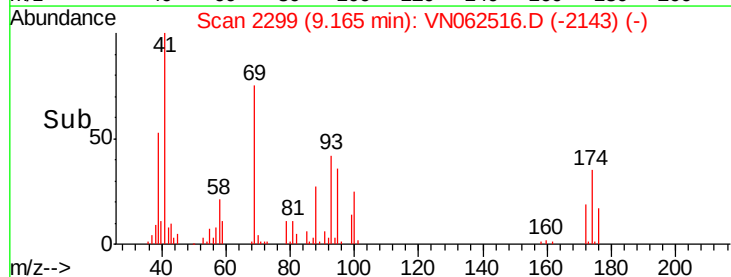
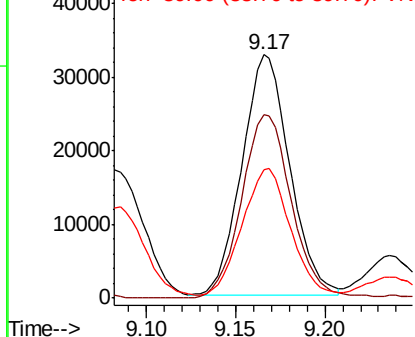


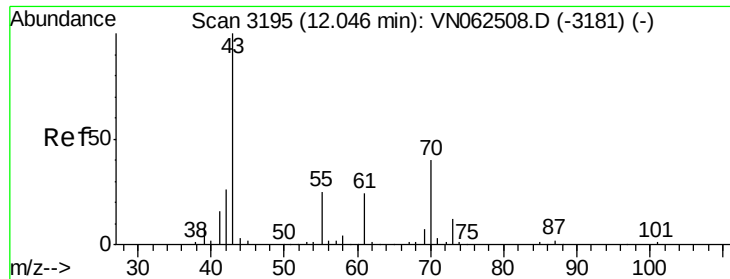
#46
 Methyl methacrylate
 Concen: 18.824 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 41 Resp: 60745
 Ion Ratio Lower Upper
 41 100
 69 76.2 37.4 112.2
 39 51.7 25.9 77.6



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





#47

n-amvl Acetate

Concen: 18.340 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

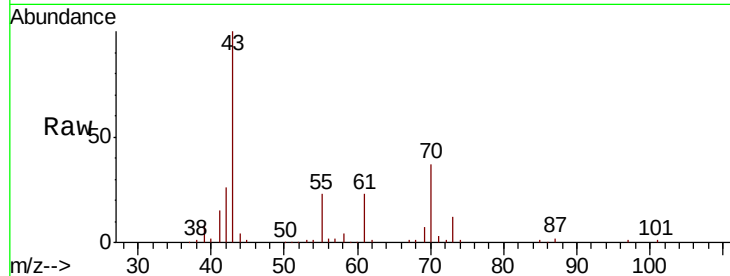
VN0713WBS01

Tot Ion: 43 Resp: 105156

Ion Ratio Lower Upper

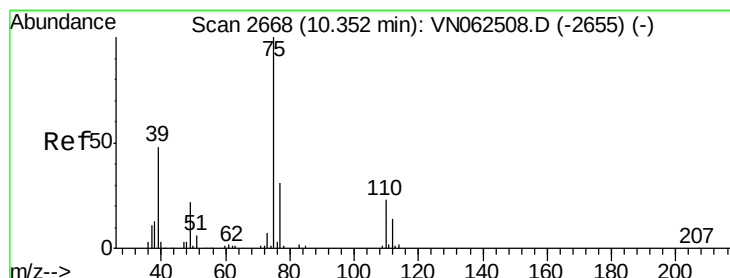
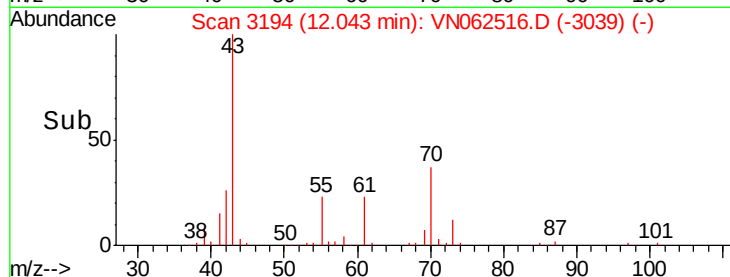
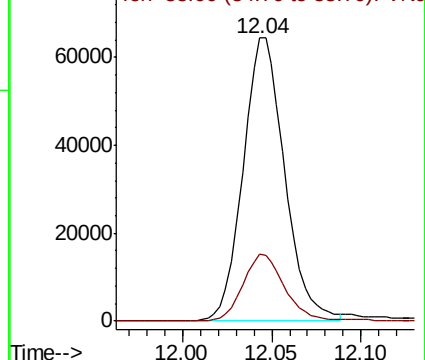
43 100

55 23.9 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.715 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062516.D

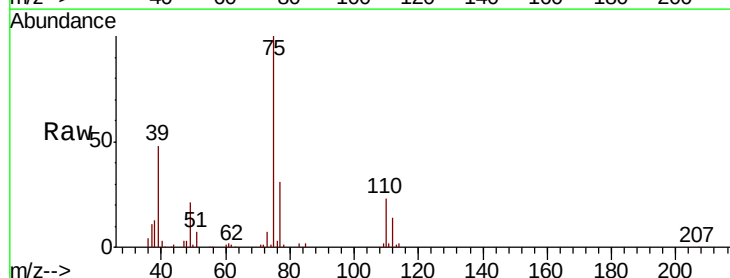
Acq: 13 Jul 2020 15:10

Tgt Ion: 75 Resp: 85872

Ion Ratio Lower Upper

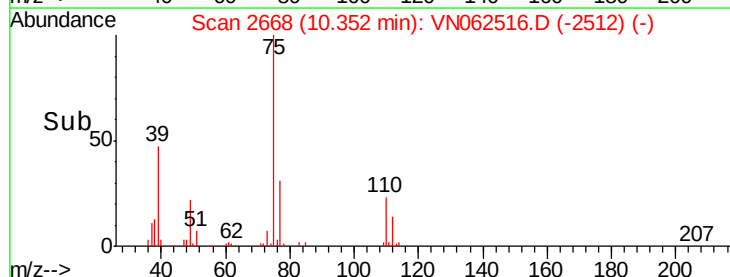
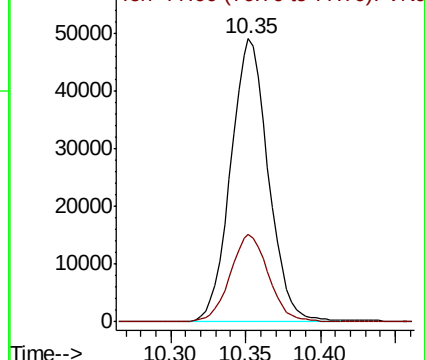
75 100

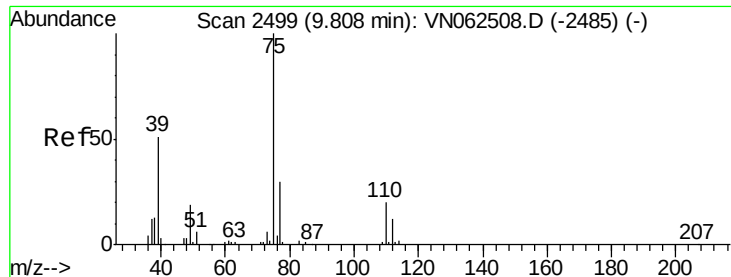
77 31.0 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 18.667 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

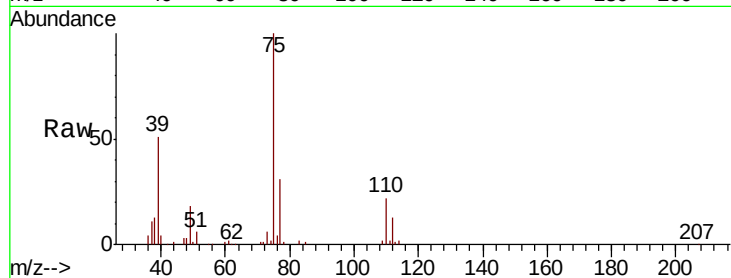
Tot Ion: 75 Resp: 92459

Ion Ratio Lower Upper

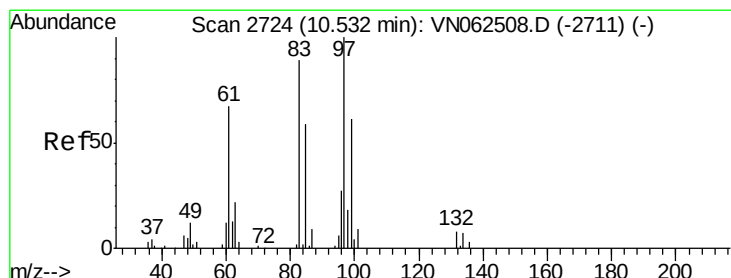
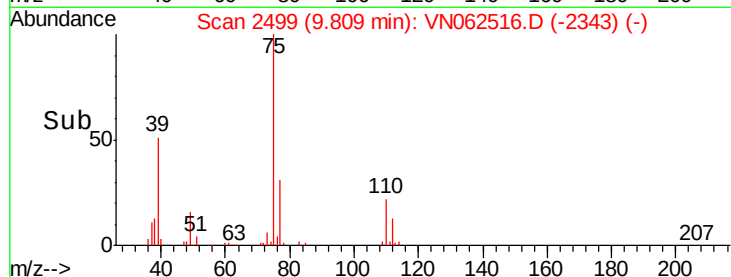
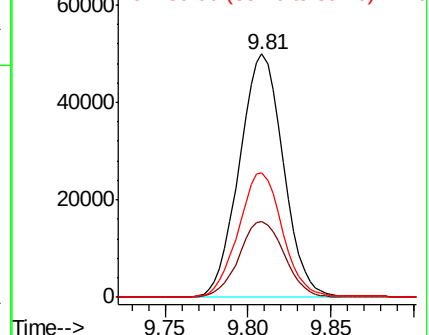
75 100

77 31.2 23.7 35.5

39 51.0 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: 19.687 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Tgt Ion: 97 Resp: 51181

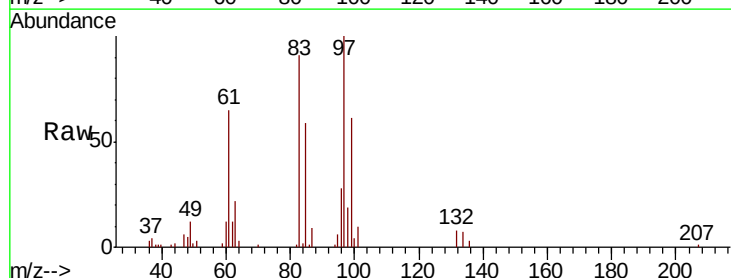
Ion Ratio Lower Upper

97 100

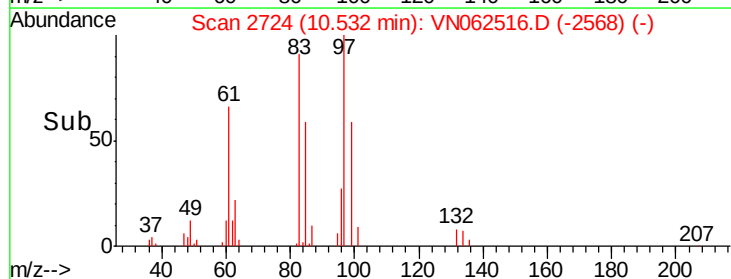
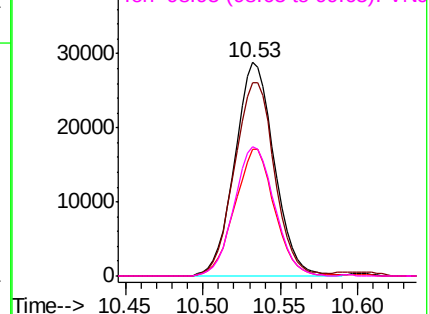
83 90.6 71.3 106.9

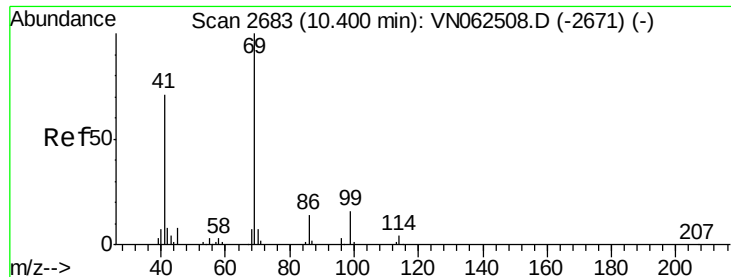
85 59.2 47.2 70.8

99 60.8 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: 18.859 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

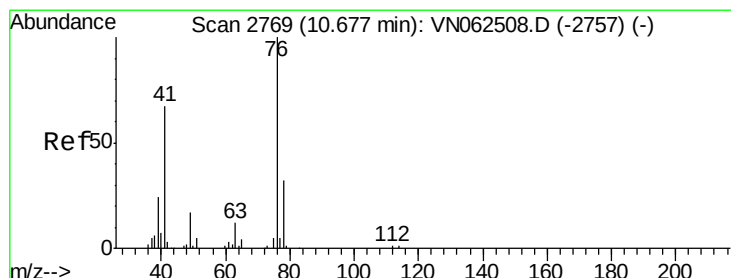
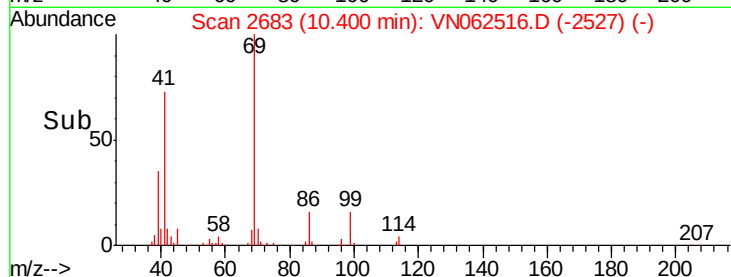
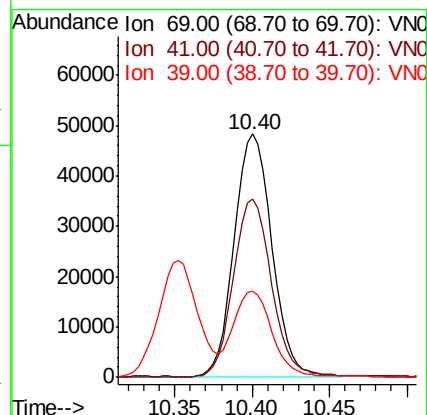
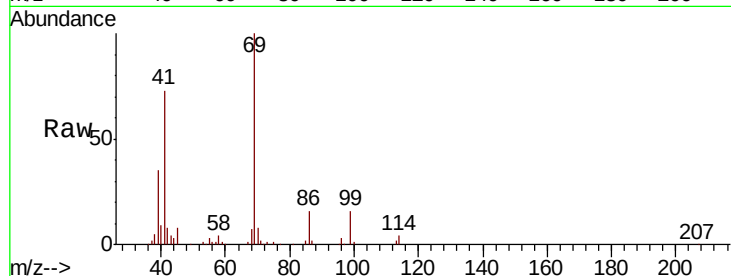
Tot Ion: 69 Resp: 82546

Ion Ratio Lower Upper

69 100

41 73.1 35.6 106.8

39 34.9 17.2 51.5



#52

1,3-Dichloropropane

Concen: 19.568 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062516.D

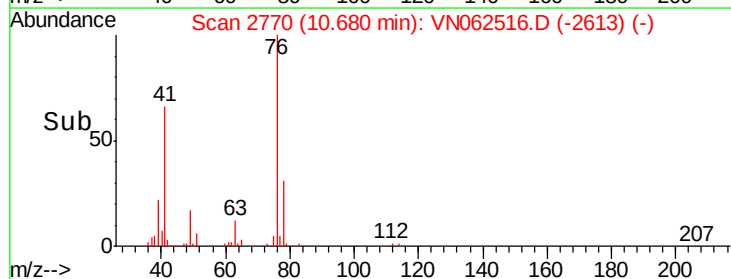
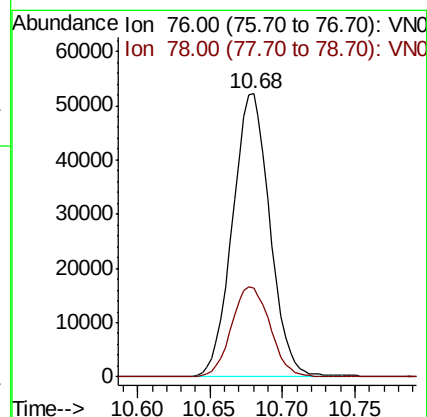
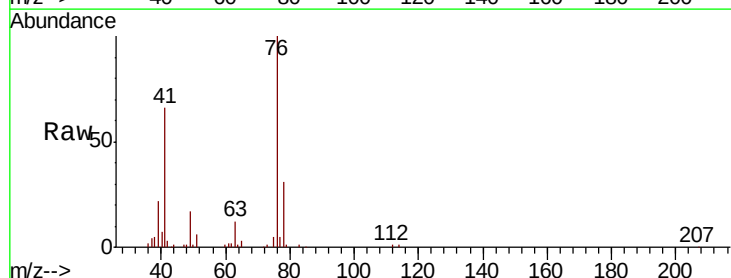
Acq: 13 Jul 2020 15:10

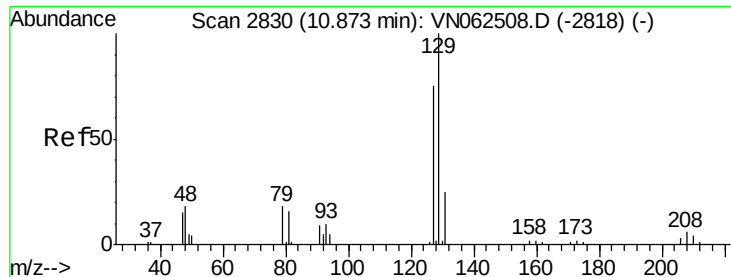
Tgt Ion: 76 Resp: 93363

Ion Ratio Lower Upper

76 100

78 32.8 0.0 63.6

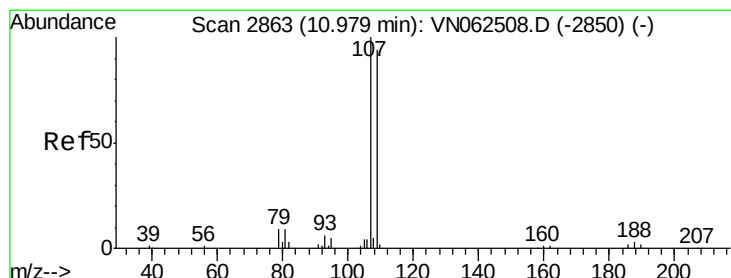
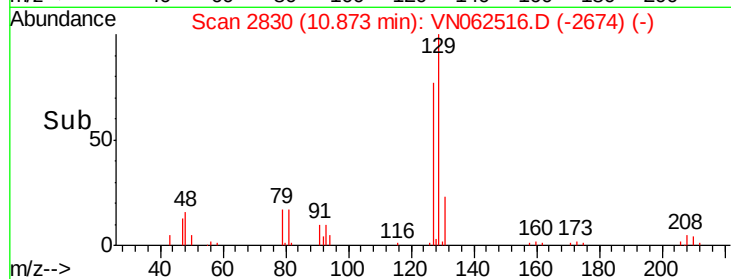
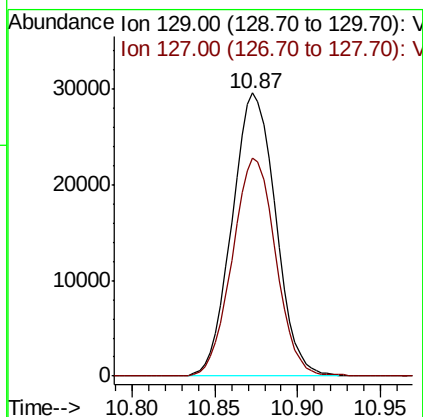
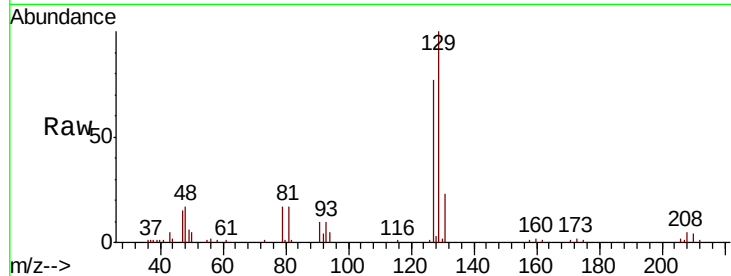




#53
 Dibromochloromethane
 Concen: 19.162 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

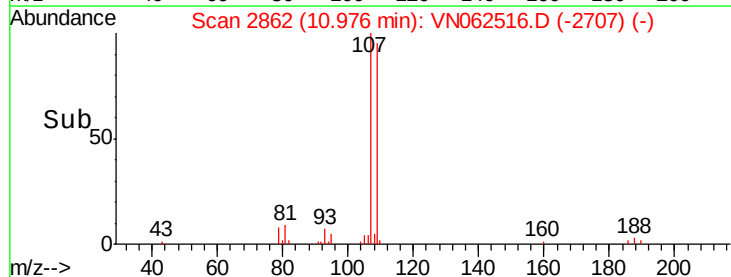
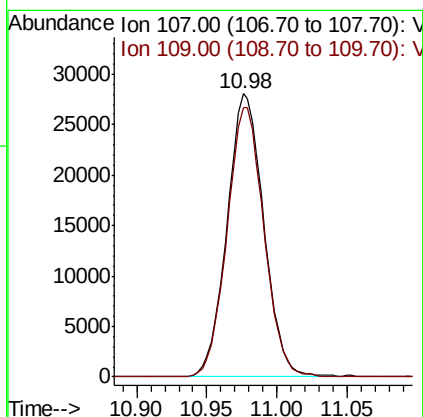
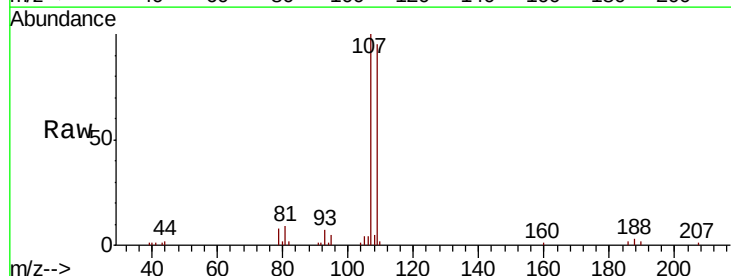
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

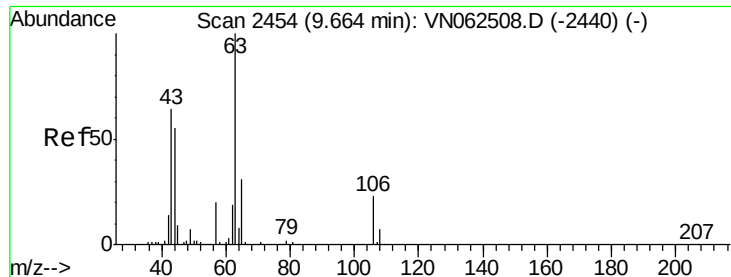
Tot Ion:129 Resp: 54276
 Ion Ratio Lower Upper
 129 100
 127 76.6 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 19.188 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion:107 Resp: 51058
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.8 112.2

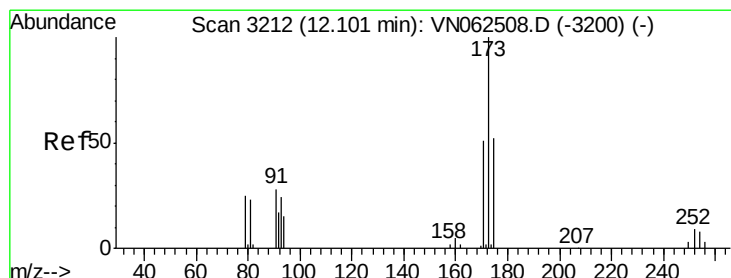
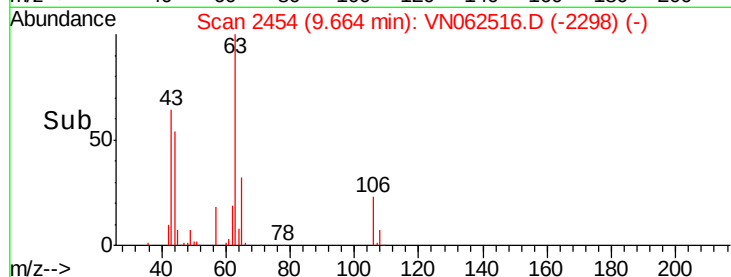
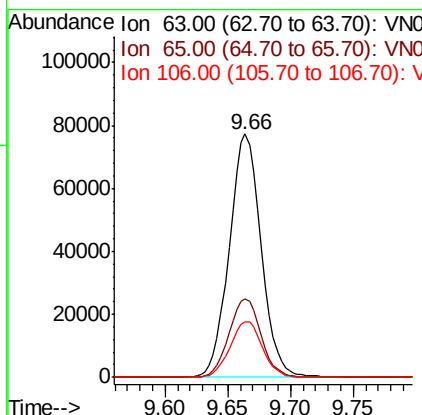
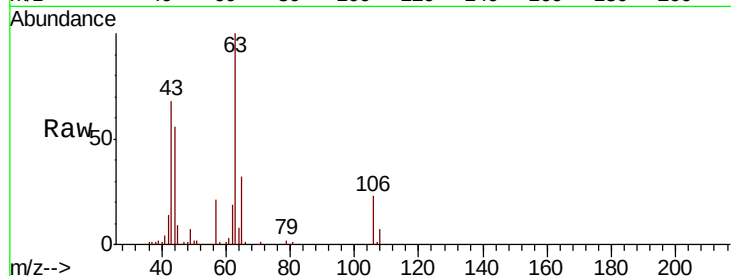




#55
2-Chloroethyl vinyl ether
Concen: 97.607 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

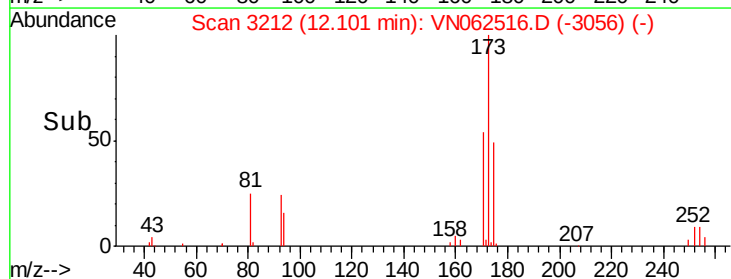
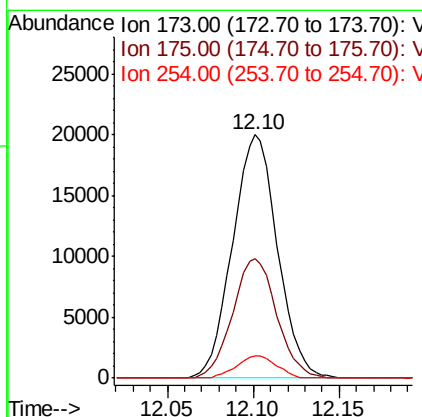
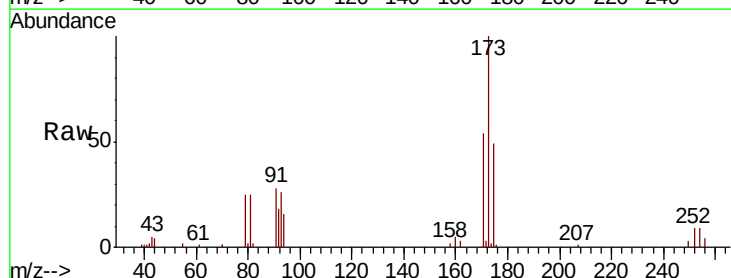
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

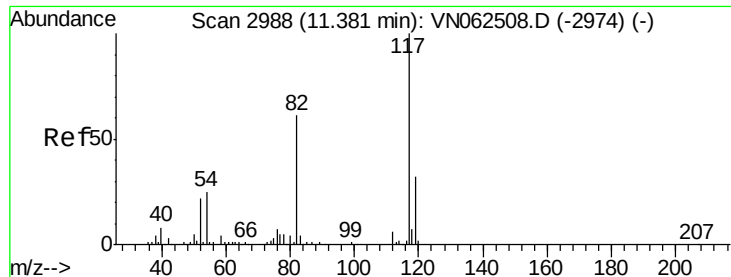
Tot Ion: 63 Resp: 136455
Ion Ratio Lower Upper
63 100
65 32.4 25.4 38.2
106 23.2 18.4 27.6



#56
Bromoform
Concen: 18.725 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 173 Resp: 36225
Ion Ratio Lower Upper
173 100
175 48.2 38.1 57.1
254 8.1 6.2 9.2

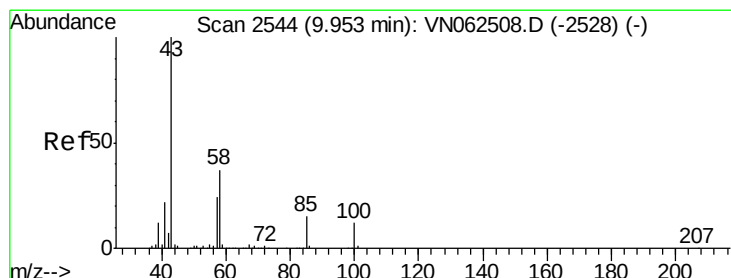
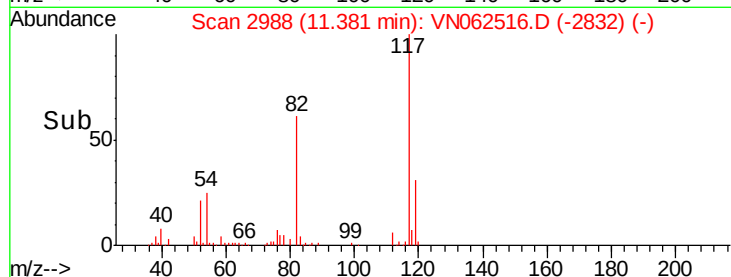
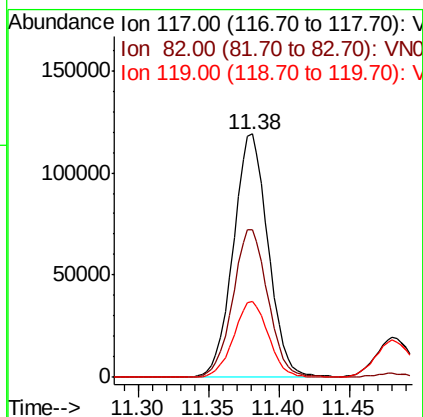
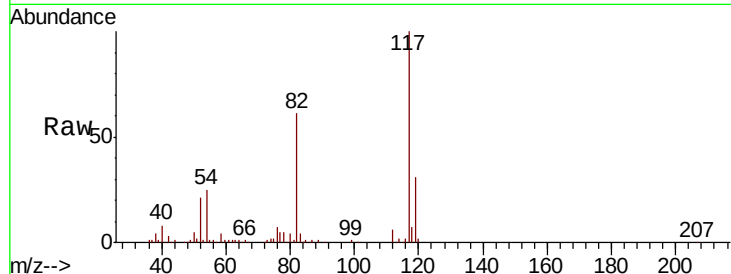




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

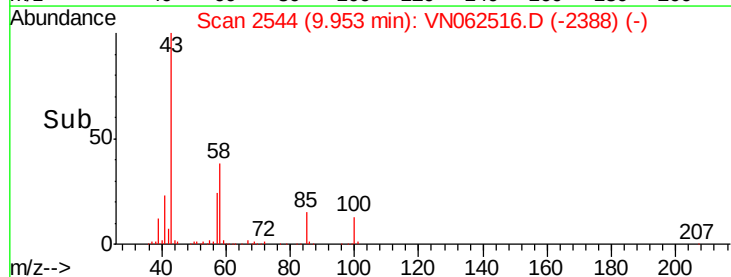
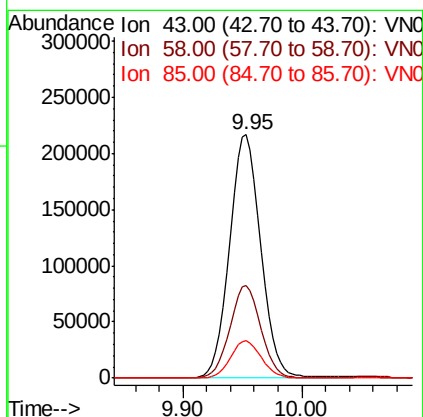
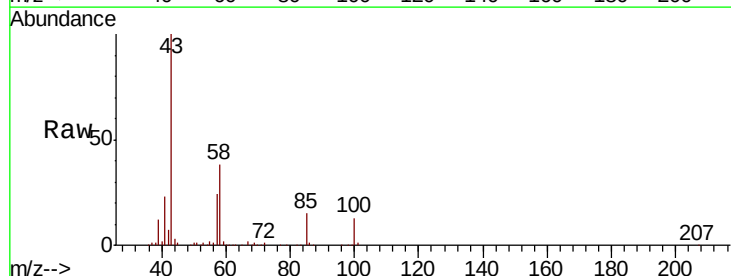
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

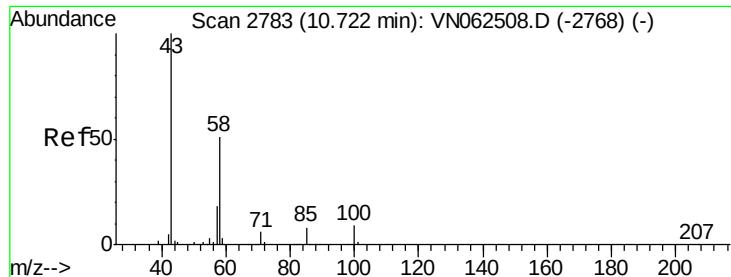
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.0	73.6
119	31.2	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 98.460 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.7	29.6	44.4
85	15.3	12.0	18.0

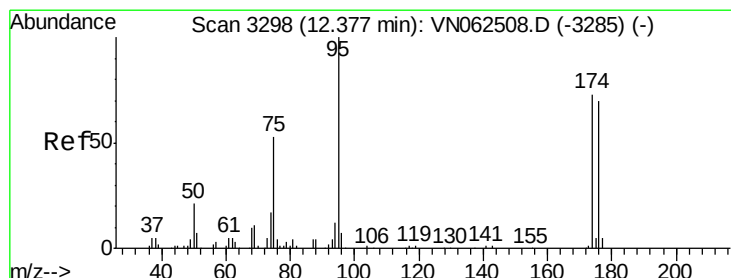
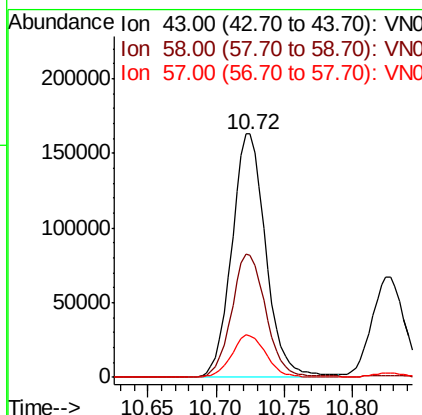
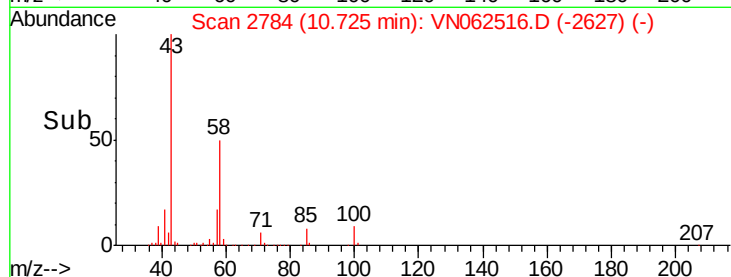
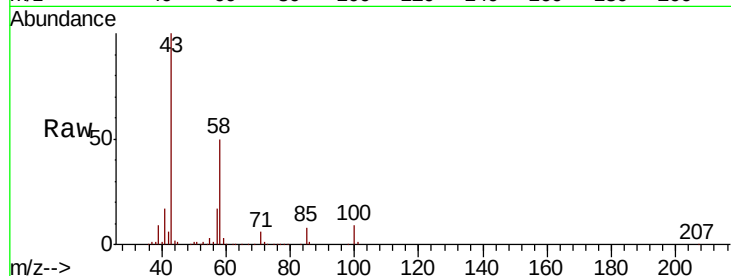




#59
2-Hexanone
Concen: 95.862 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

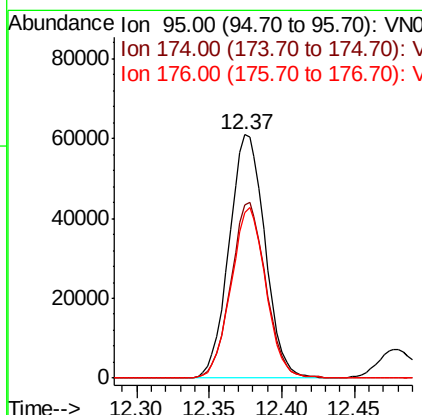
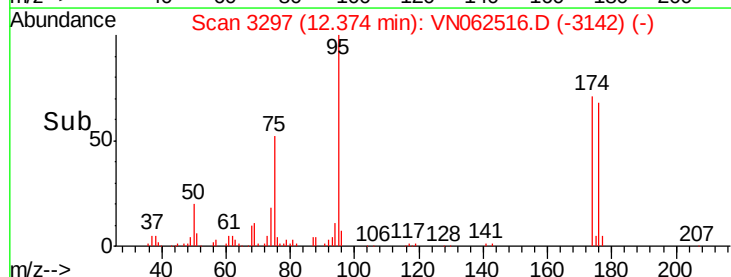
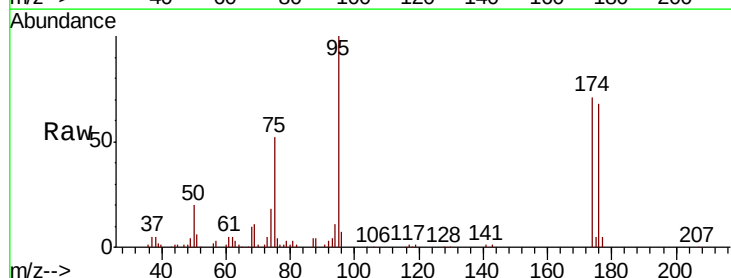
Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

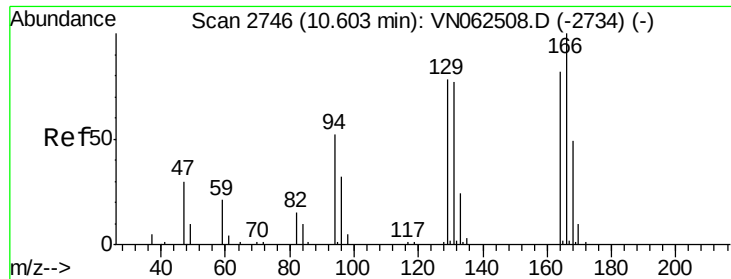
Tot Ion: 43 Resp: 281959
Ion Ratio Lower Upper
43 100
58 51.3 41.2 61.8
57 17.7 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.851 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 95 Resp: 104569
Ion Ratio Lower Upper
95 100
174 70.2 57.5 86.3
176 67.8 56.3 84.5

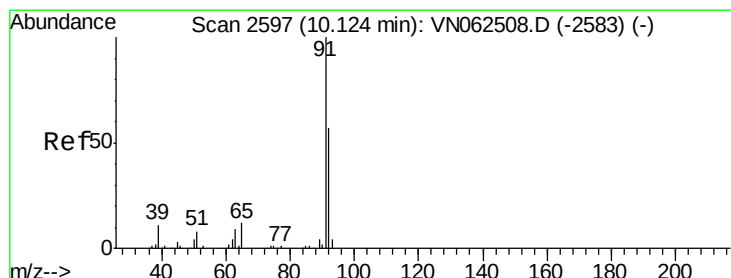
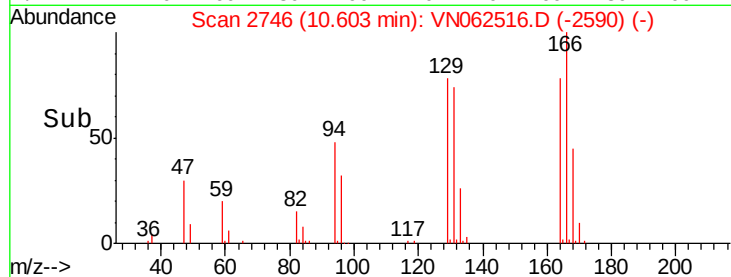
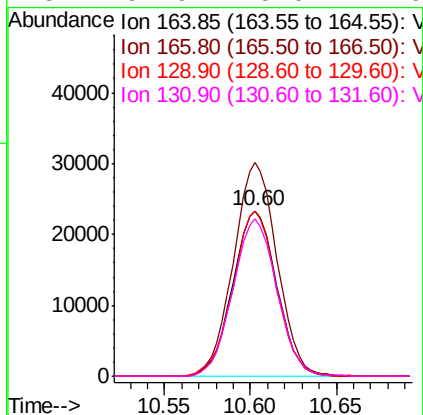
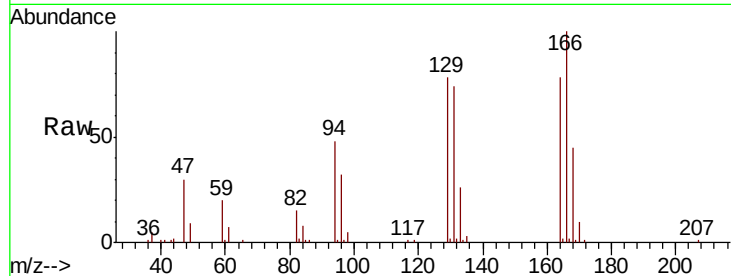




#61
Tetrachloroethene
Concen: 19.554 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

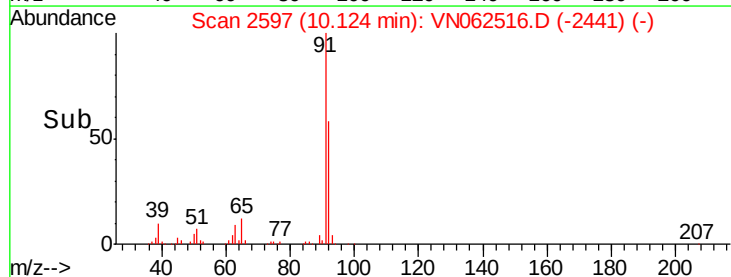
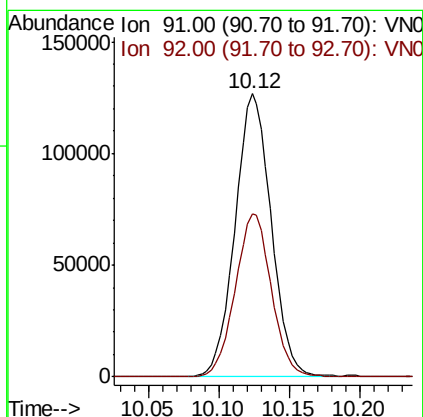
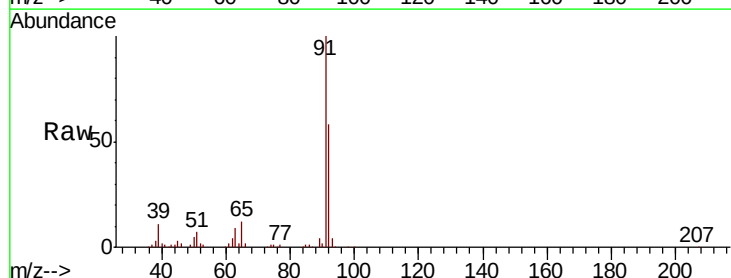
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

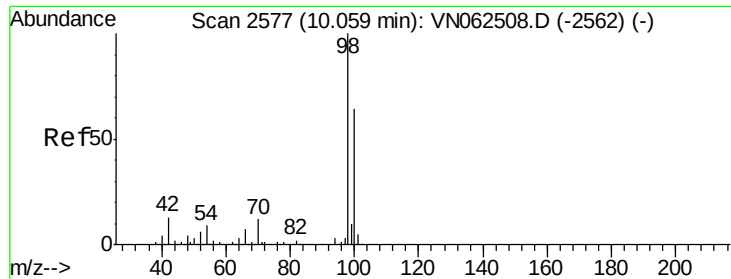
Tot Ion:164 Resp: 41220
Ion Ratio Lower Upper
164 100
166 129.0 97.7 146.5
129 100.0 77.0 115.4
131 94.9 75.0 112.6



#62
Toluene
Concen: 19.504 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion: 91 Resp: 227766
Ion Ratio Lower Upper
91 100
92 57.5 45.8 68.6





#63

Toluene-d8

Concen: 30.171 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

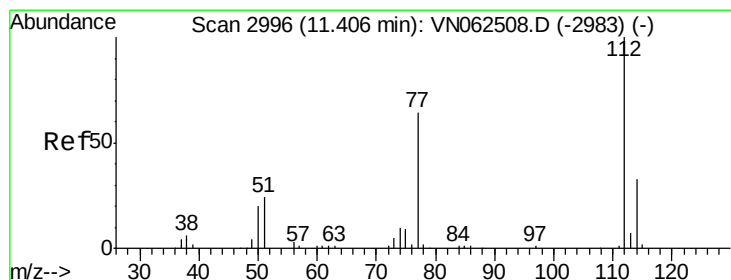
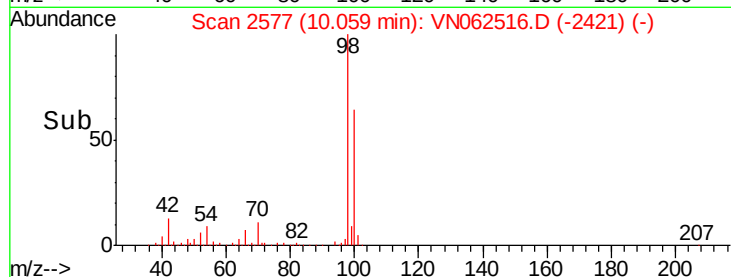
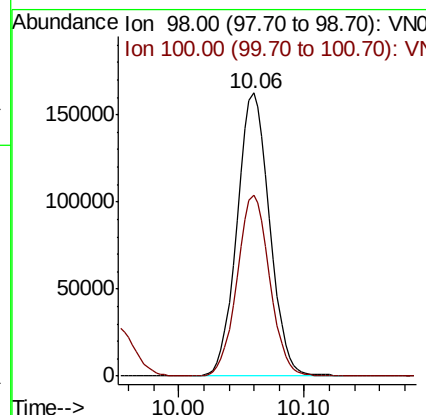
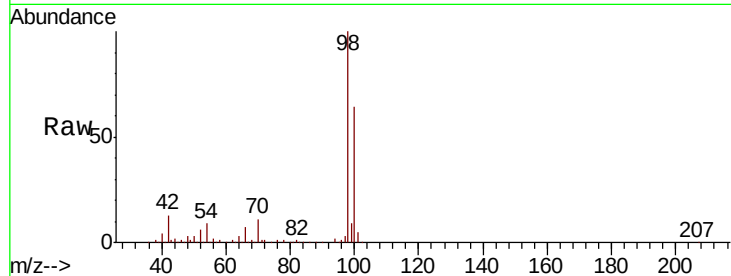
VN0713WBS01

Tot Ion: 98 Resp: 293463

Ion Ratio Lower Upper

98 100

100 63.6 50.4 75.6



#64

Chlorobenzene

Concen: 19.442 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062516.D

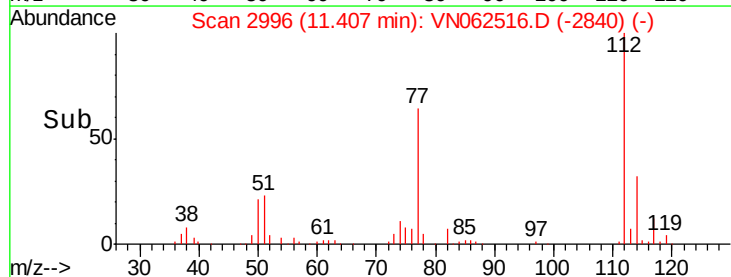
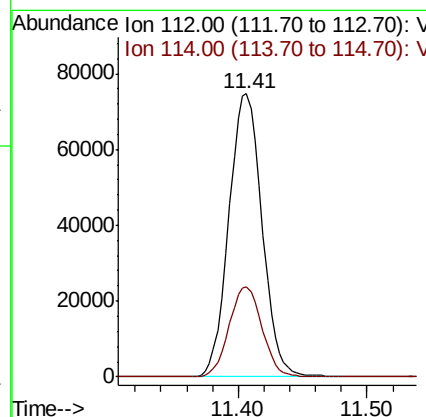
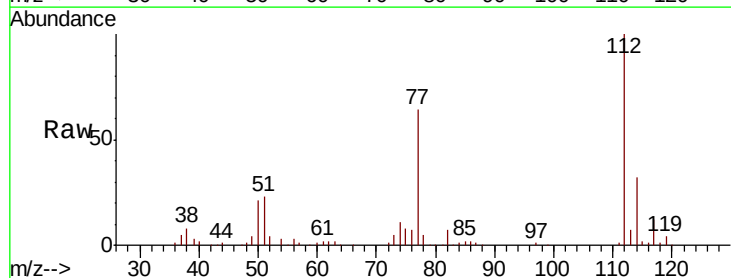
Acq: 13 Jul 2020 15:10

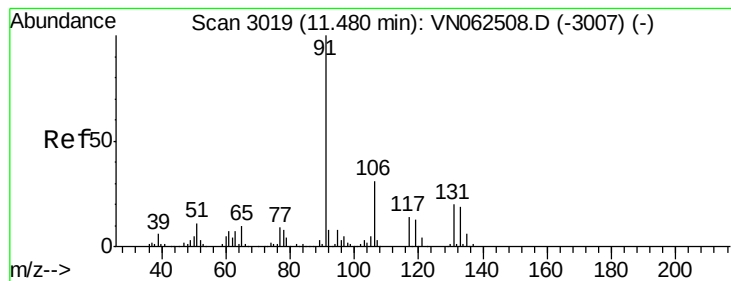
Tgt Ion: 112 Resp: 133412

Ion Ratio Lower Upper

112 100

114 31.8 26.0 39.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.251 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

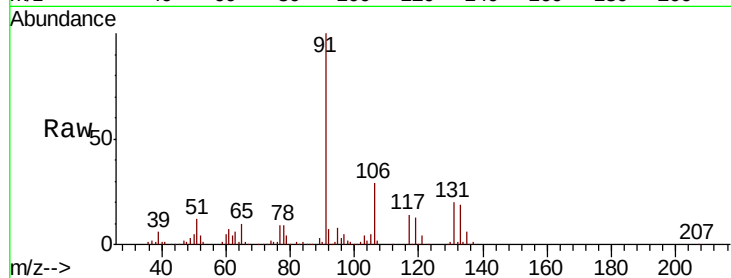
Tot Ion:131 Resp: 48897

Ion Ratio Lower Upper

131 100

133 95.6 0.0 191.4

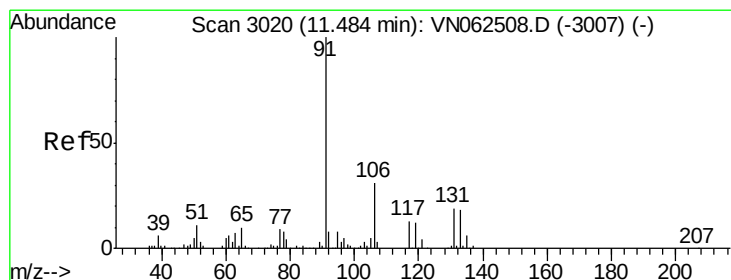
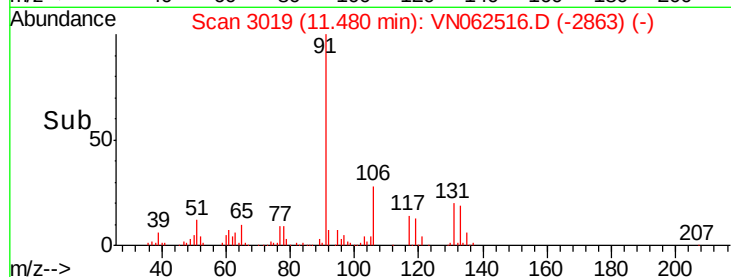
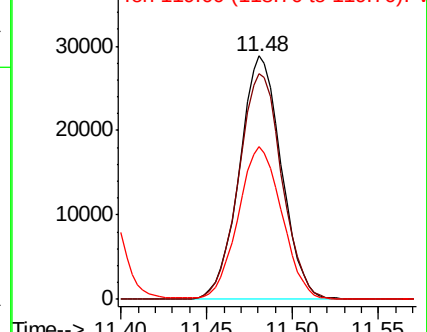
119 65.5 0.0 136.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.190 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062516.D

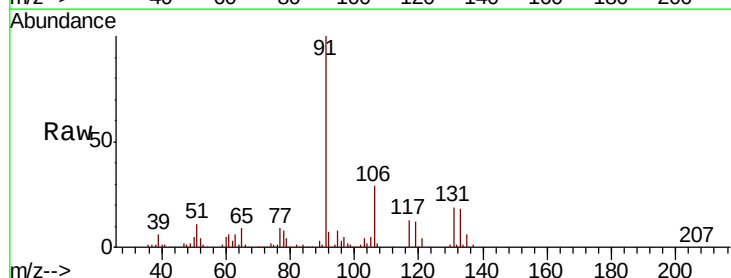
Acq: 13 Jul 2020 15:10

Tgt Ion: 91 Resp: 248151

Ion Ratio Lower Upper

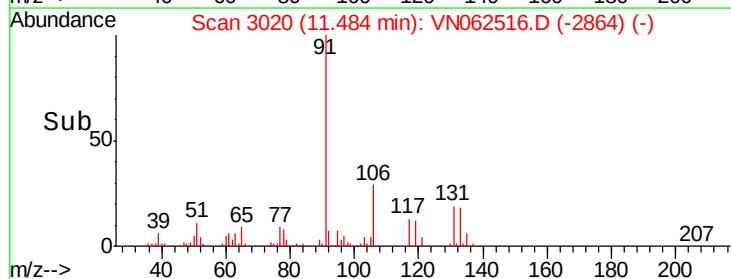
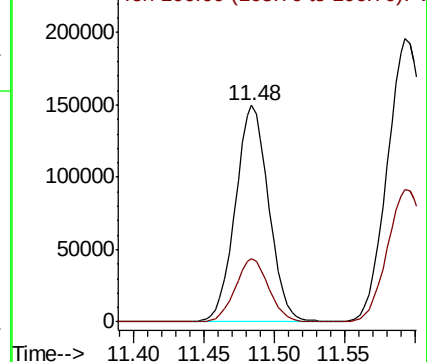
91 100

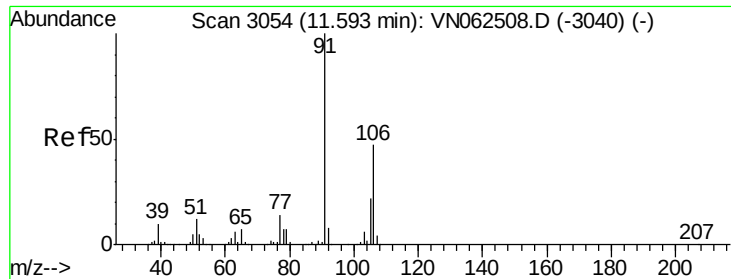
106 29.3 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.273 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

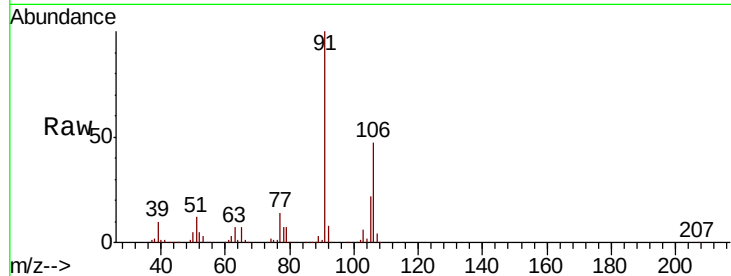
VN0713WBS01

Tot Ion:106 Resp: 179639

Ion Ratio Lower Upper

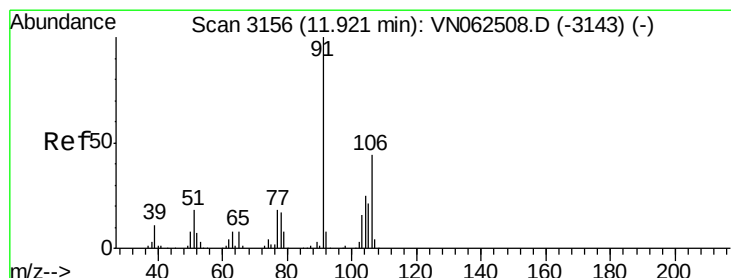
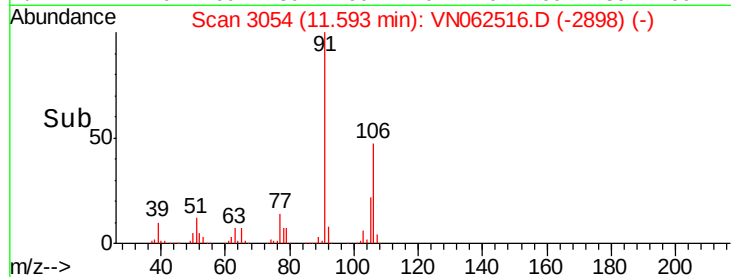
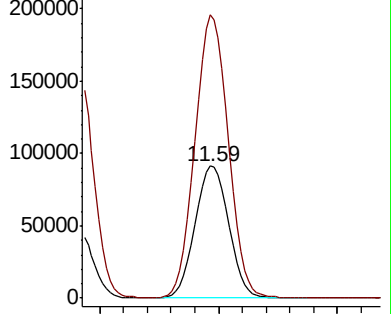
106 100

91 210.4 170.7 256.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.887 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062516.D

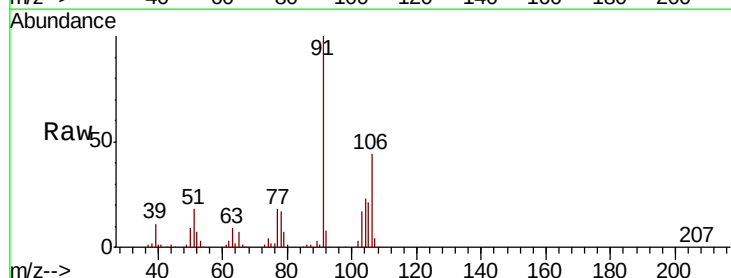
Acq: 13 Jul 2020 15:10

Tgt Ion:106 Resp: 85075

Ion Ratio Lower Upper

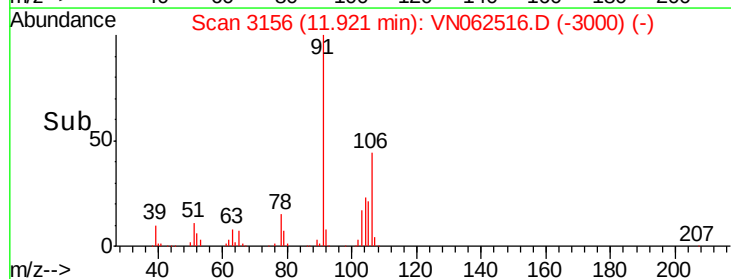
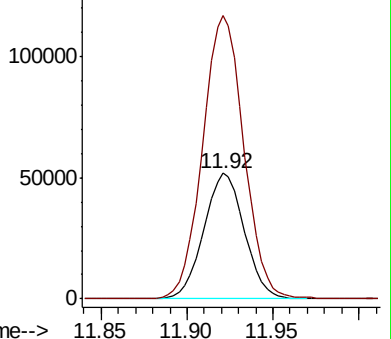
106 100

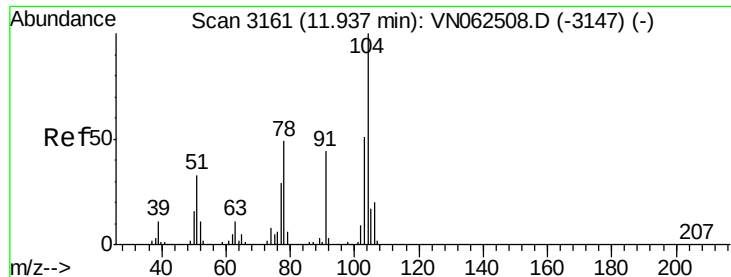
91 229.4 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

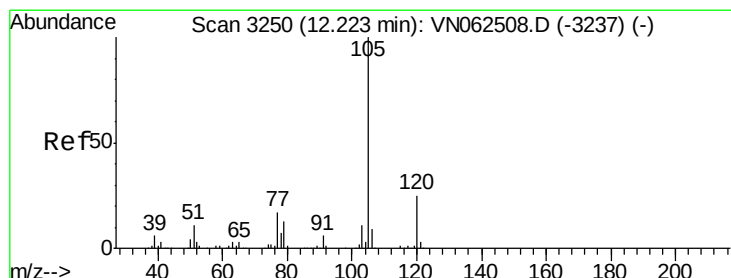
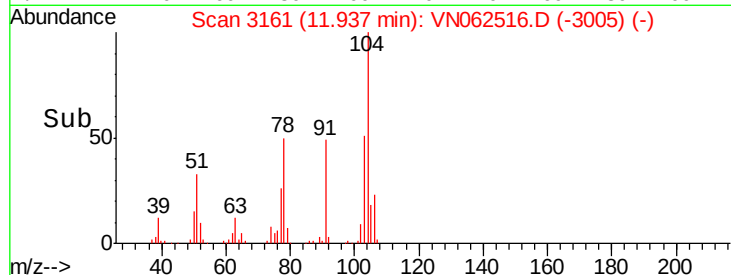
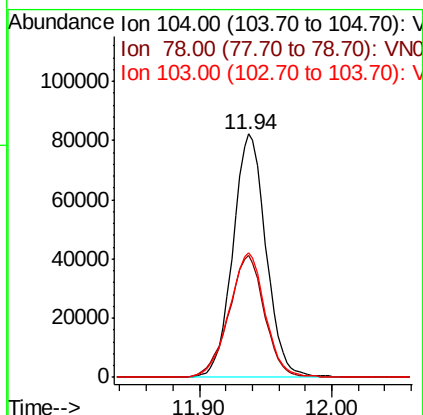
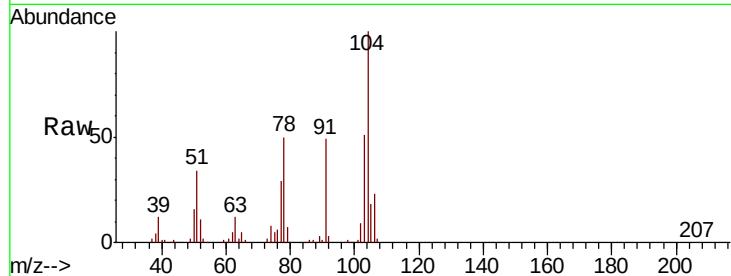




#69
Stvrene
Concen: 18.646 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

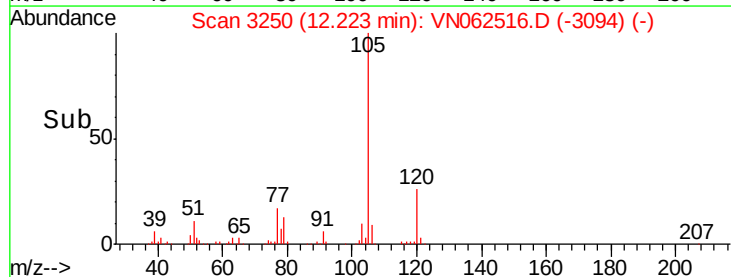
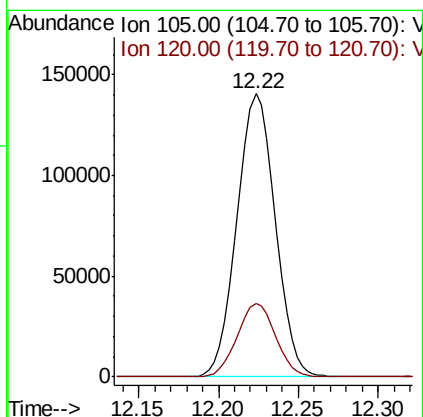
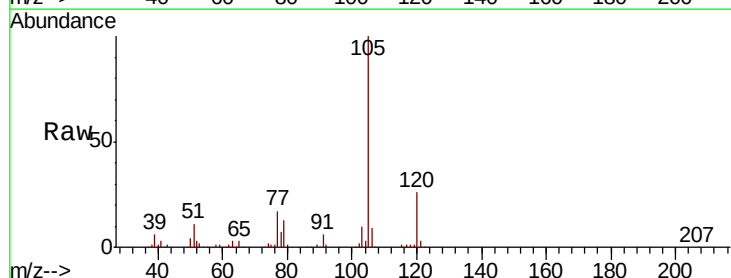
Instrument :
MSVOA_N
ClientSampled :
VN0713WBS01

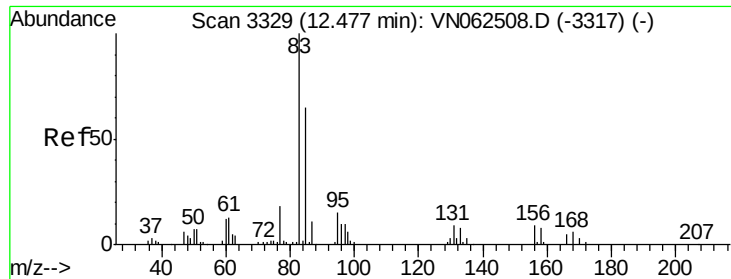
Tot Ion:104 Resp: 142551
Ion Ratio Lower Upper
104 100
78 54.2 43.9 65.9
103 55.7 43.8 65.6



#70
Isopropylbenzene
Concen: 18.970 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion:105 Resp: 229386
Ion Ratio Lower Upper
105 100
120 26.0 17.6 32.8

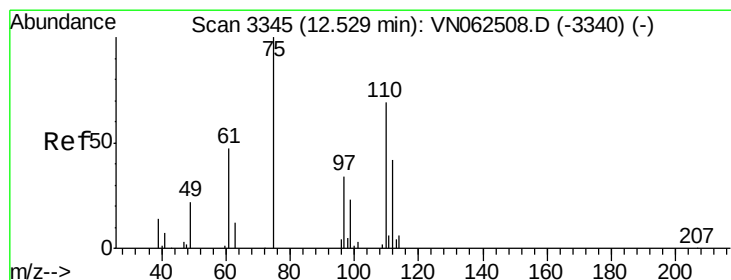
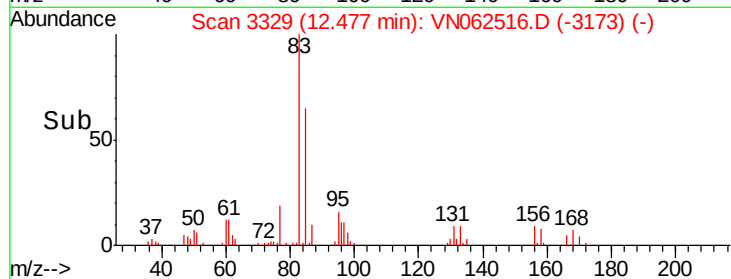
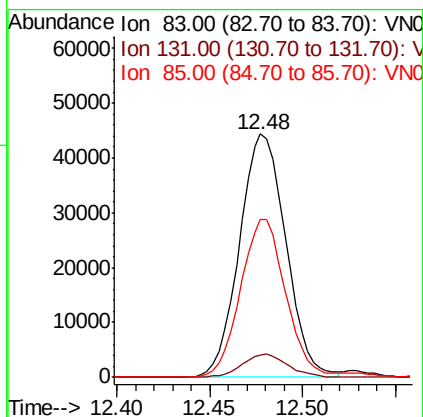
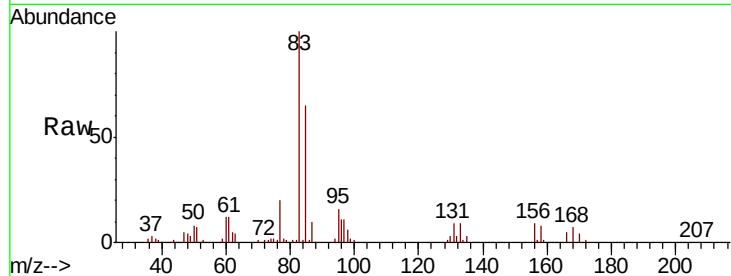




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.709 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

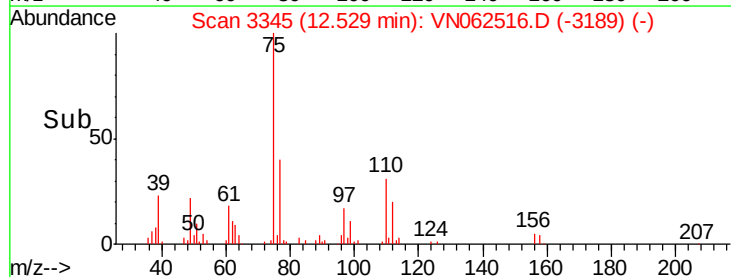
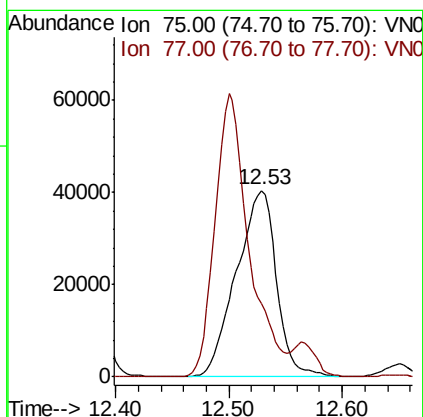
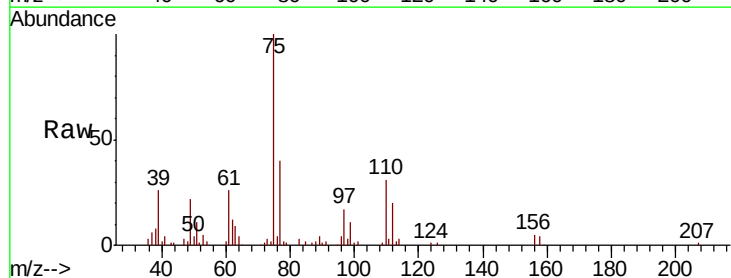
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

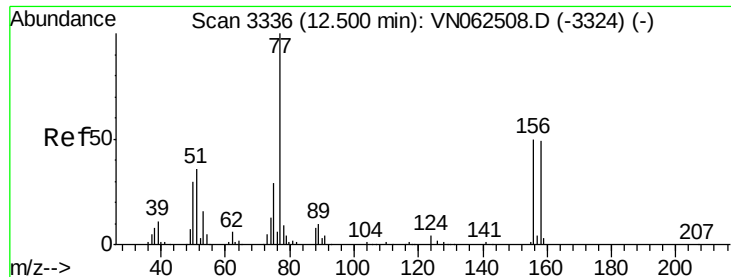
Tot Ion: 83 Resp: 77021
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.7
 85 62.9 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 26.276 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 75 Resp: 99885
 Ion Ratio Lower Upper
 75 100
 77 127.9 0.0 376.2





#73

Bromobenzene

Concen: 19.152 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

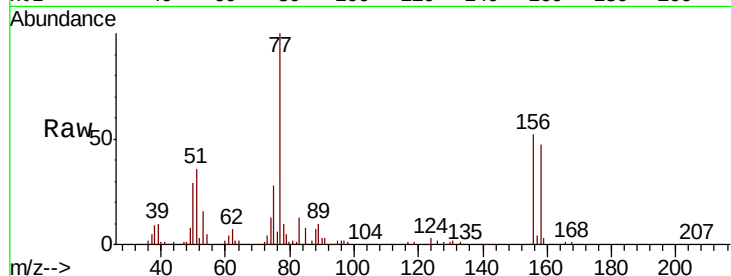
Tot Ion:156 Resp: 53633

Ion Ratio Lower Upper

156 100

77 238.2 0.0 485.0

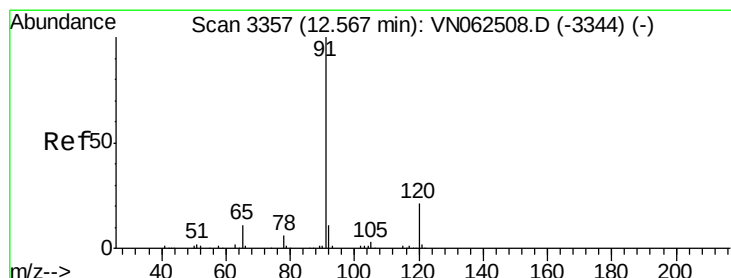
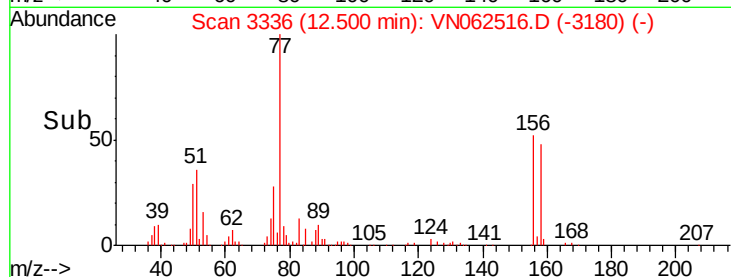
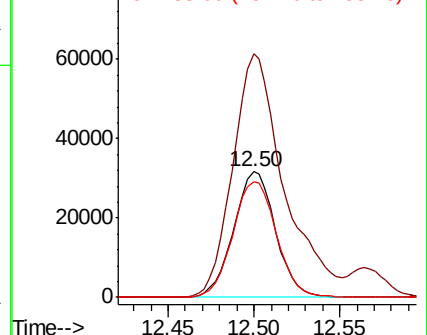
158 95.9 0.0 192.6



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: 18.806 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062516.D

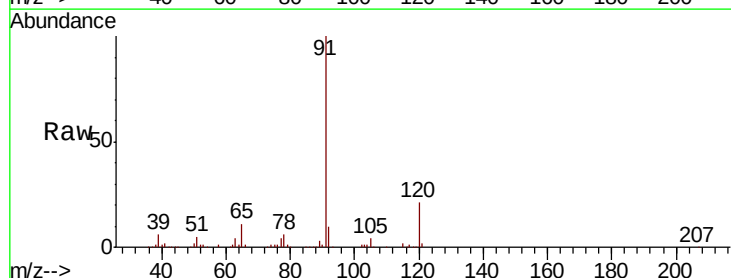
Acq: 13 Jul 2020 15:10

Tgt Ion: 91 Resp: 270309

Ion Ratio Lower Upper

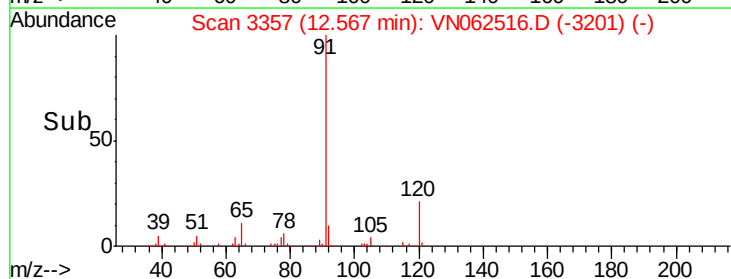
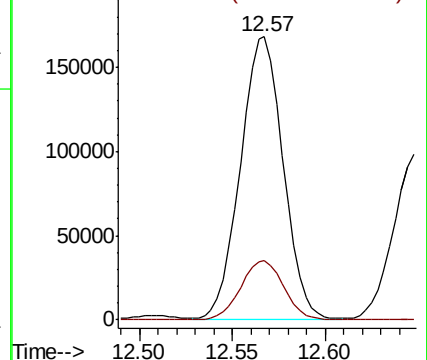
91 100

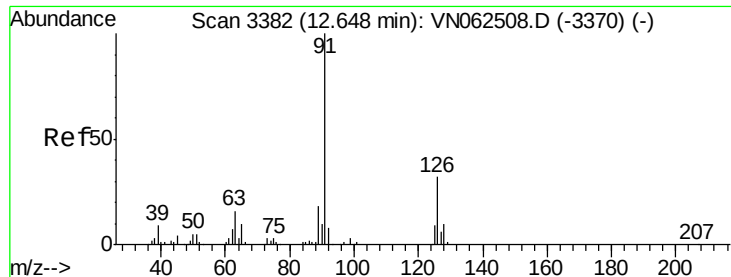
120 21.1 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.903 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

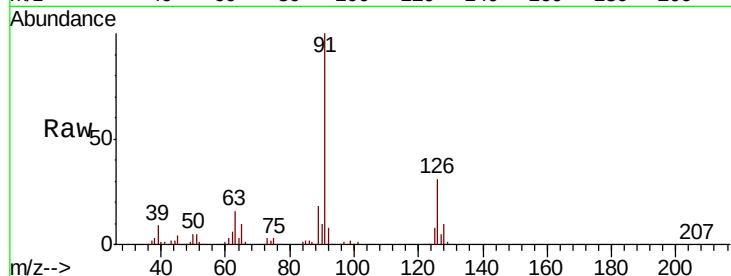
VN0713WBS01

Tot Ion: 91 Resp: 163588

Ion Ratio Lower Upper

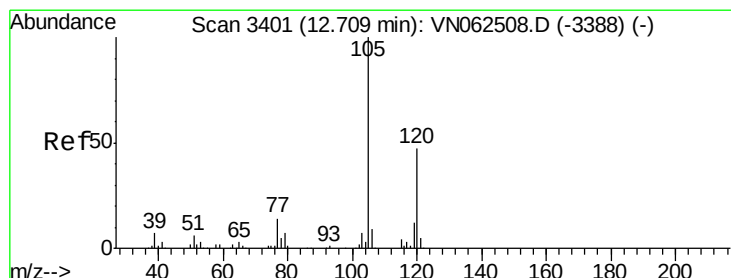
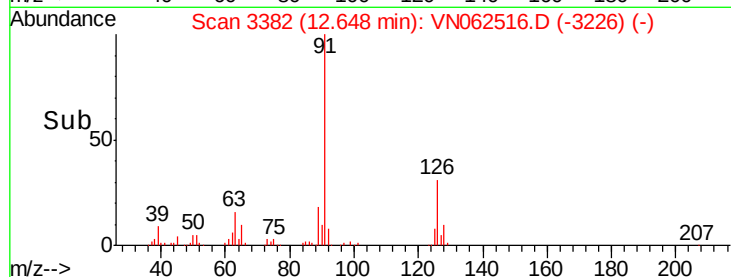
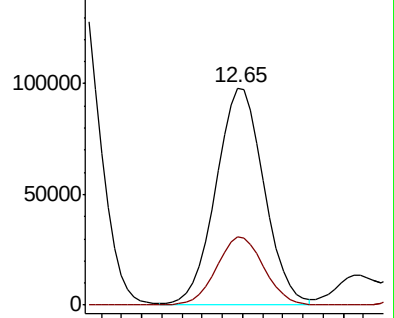
91 100

126 31.1 0.0 62.2



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

Ion 126.00 (125.70 to 126.70): VN062508.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.757 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062516.D

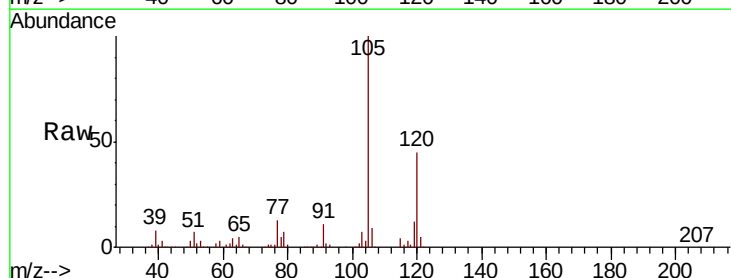
Acq: 13 Jul 2020 15:10

Tgt Ion: 105 Resp: 193251

Ion Ratio Lower Upper

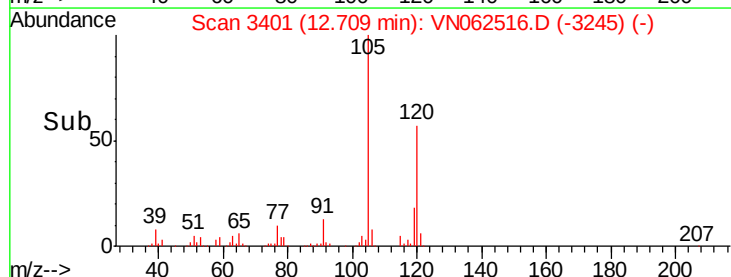
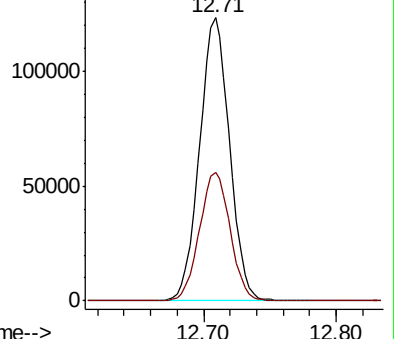
105 100

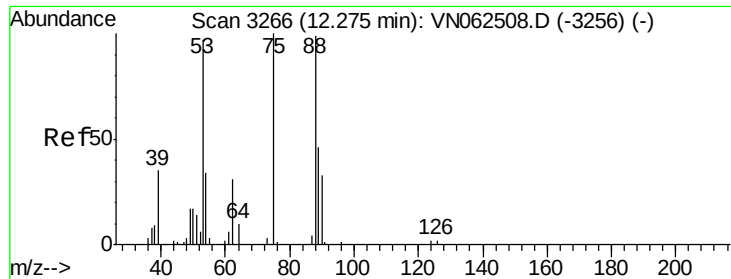
120 46.4 0.0 95.0



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

Ion 120.00 (119.70 to 120.70): VN062508.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.844 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampled :

VN0713WBS01

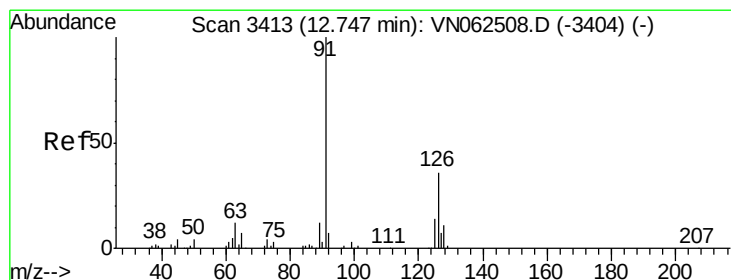
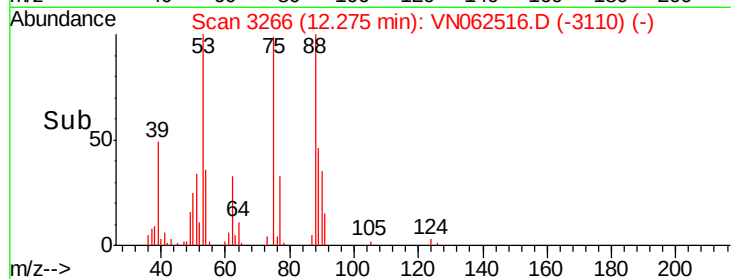
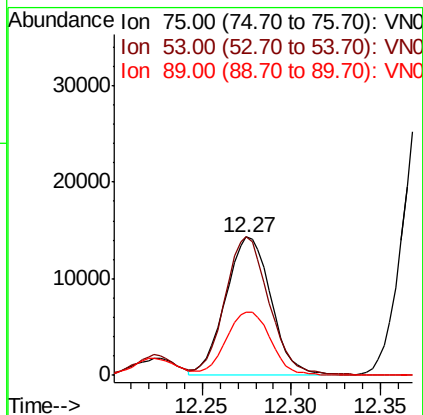
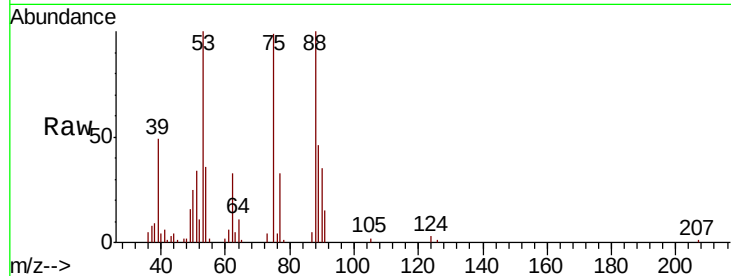
Tot Ion: 75 Resp: 25369

Ion Ratio Lower Upper

75 100

53 99.6 48.3 144.8

89 45.9 23.3 69.8



#78

4-Chlorotoluene

Concen: 18.712 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062516.D

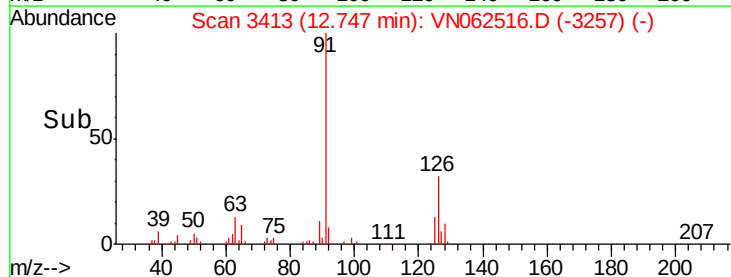
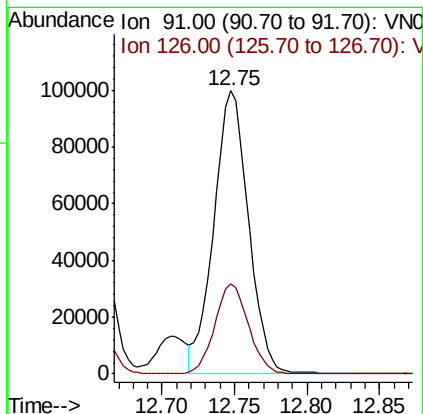
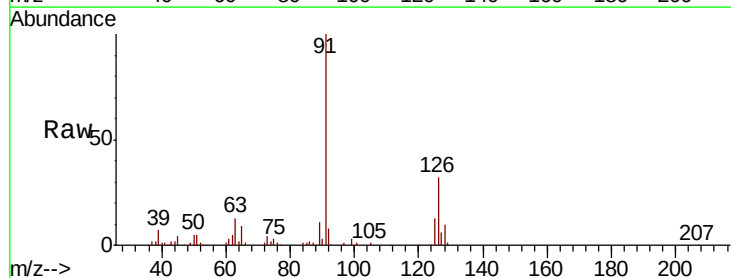
Acq: 13 Jul 2020 15:10

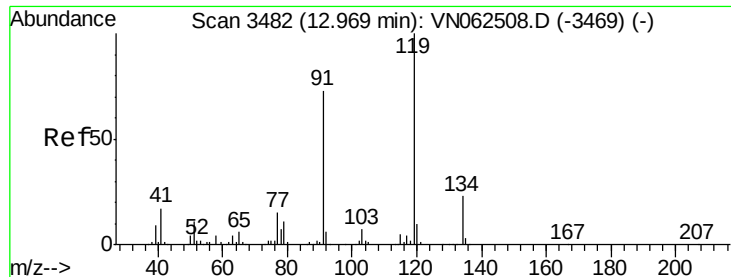
Tgt Ion: 91 Resp: 165234

Ion Ratio Lower Upper

91 100

126 31.1 0.0 62.2

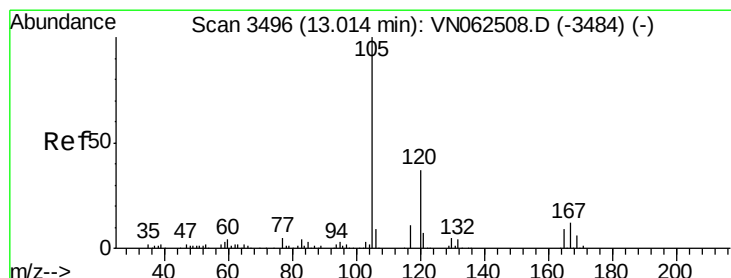
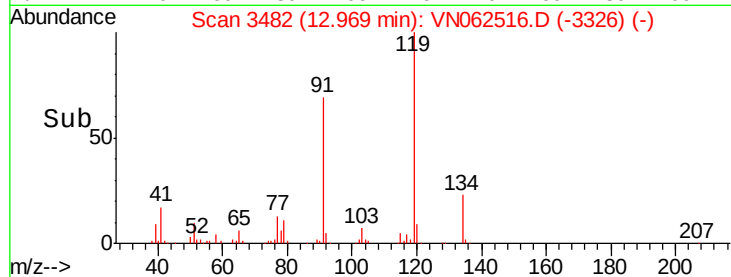
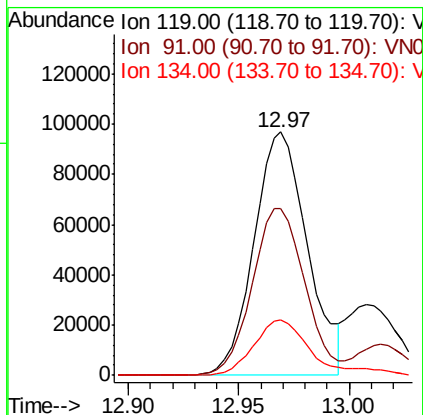
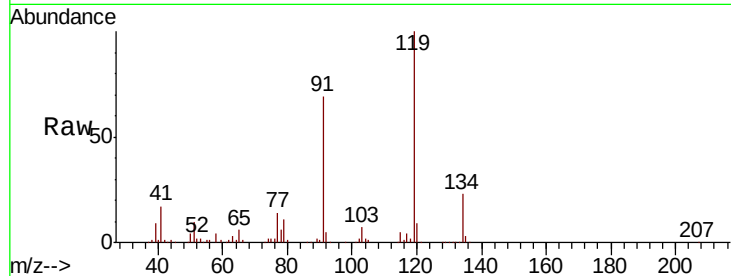




#79
tert-butylbenzene
Concen: 19.125 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

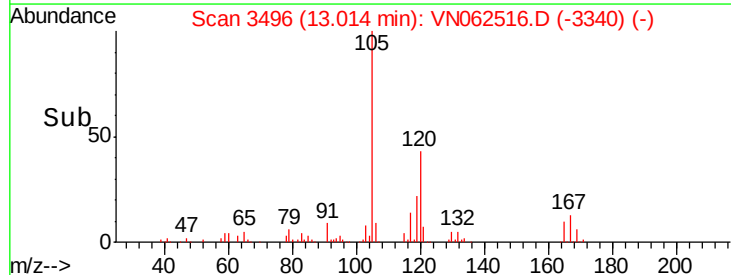
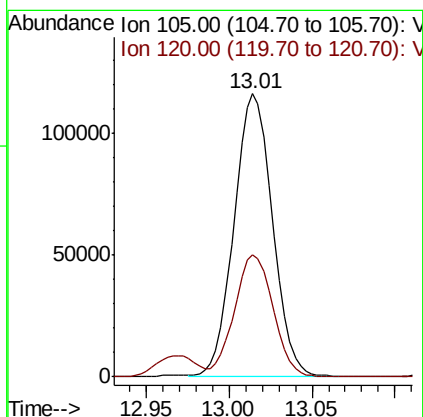
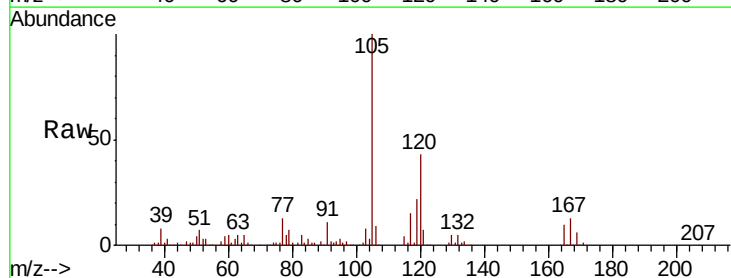
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

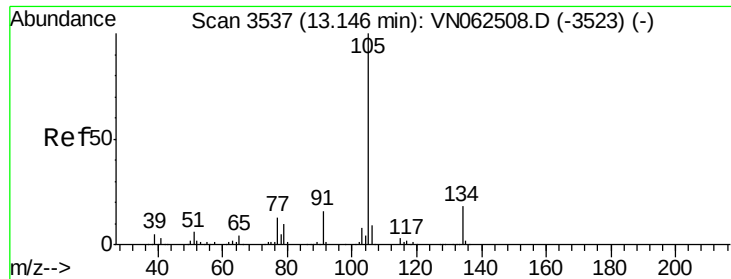
Tot Ion:119 Resp: 163166
Ion Ratio Lower Upper
119 100
91 68.1 0.0 139.8
134 24.6 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 18.401 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion:105 Resp: 186464
Ion Ratio Lower Upper
105 100
120 43.8 0.0 86.6

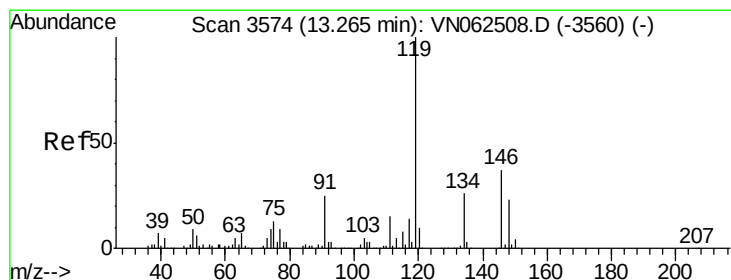
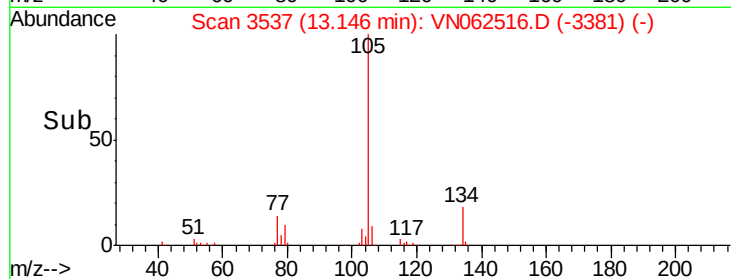
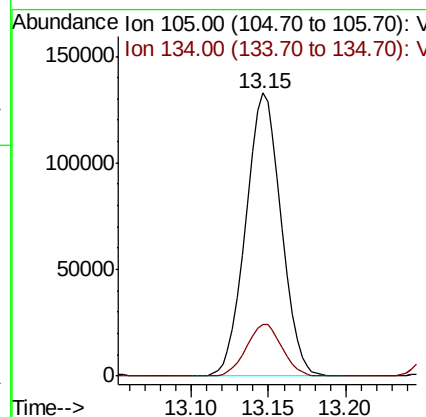
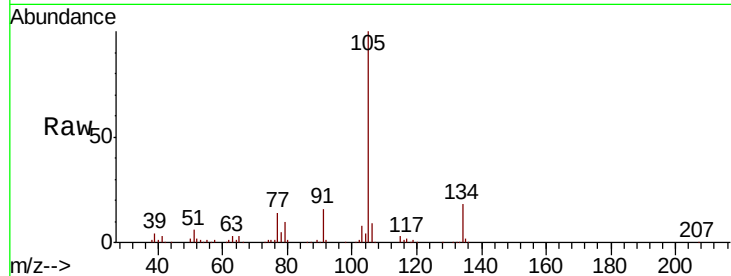




#81
 sec-Butylbenzene
 Concen: 18.412 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

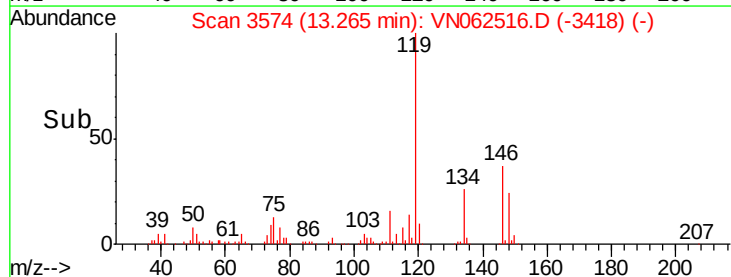
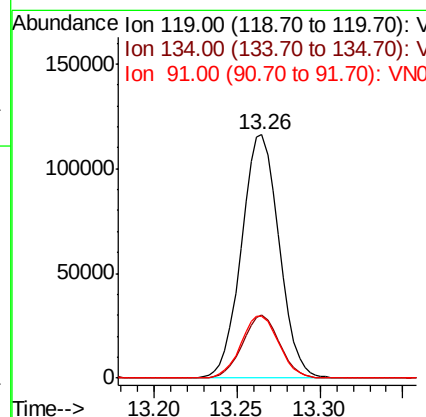
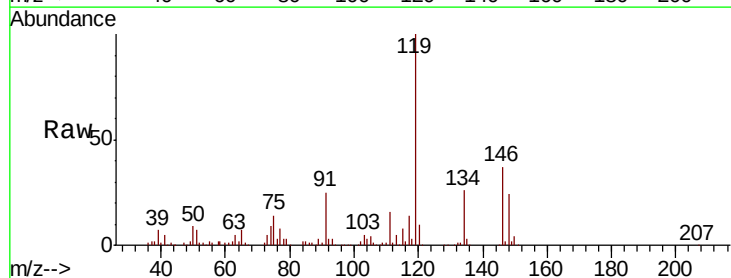
Instrument :
 MSVOA_N
 ClientSampled :
 VN0713WBS01

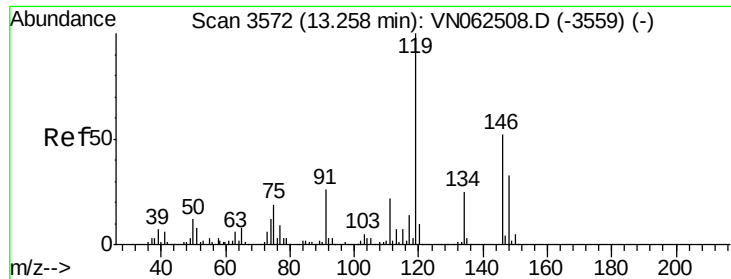
Tot Ion:105 Resp: 210947
 Ion Ratio Lower Upper
 105 100
 134 18.6 0.0 37.2



#82
 p-Isopropyltoluene
 Concen: 18.153 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion:119 Resp: 183543
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.8
 91 25.8 0.0 51.2

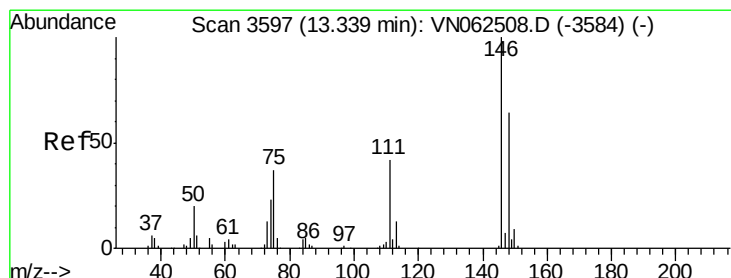
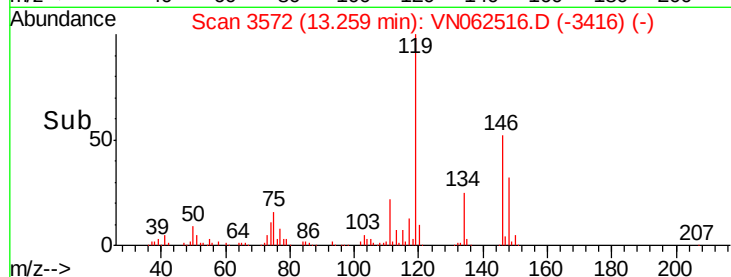
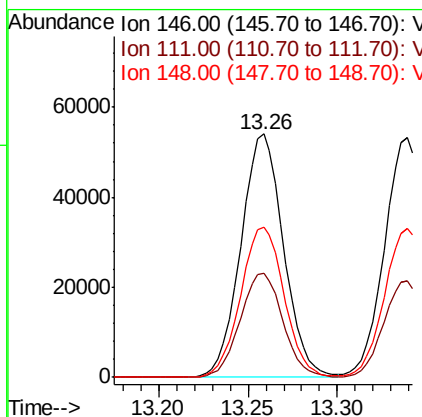
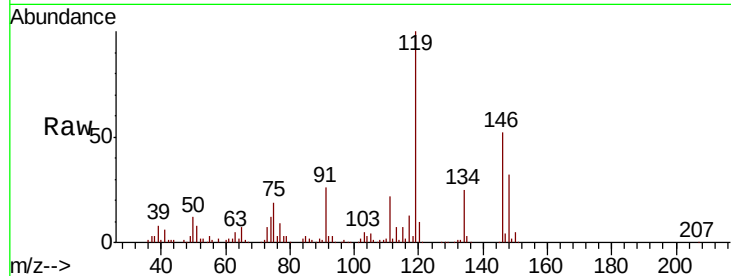




#83
 1,3-Dichlorobenzene
 Concen: 18.528 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

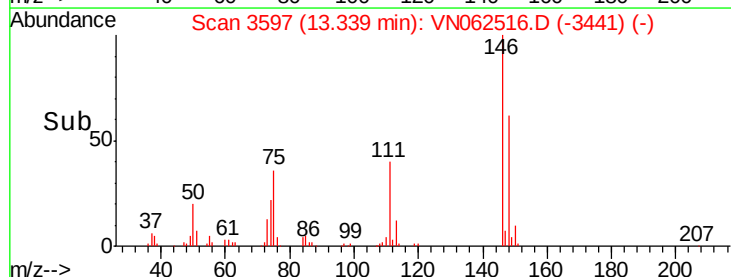
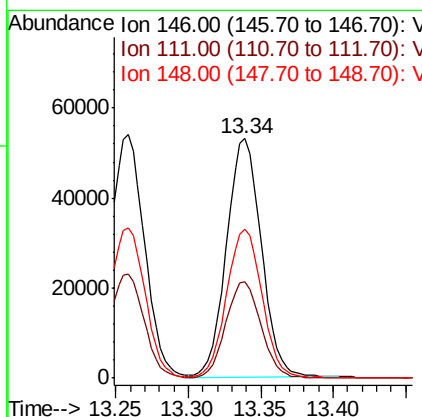
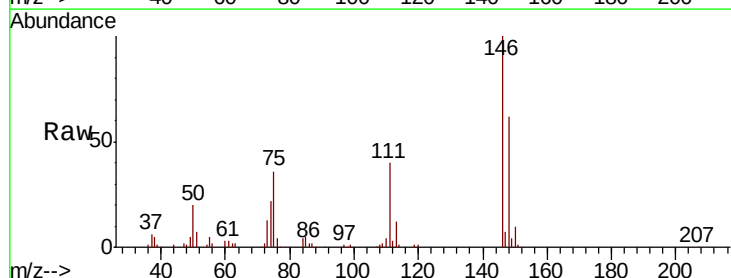
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

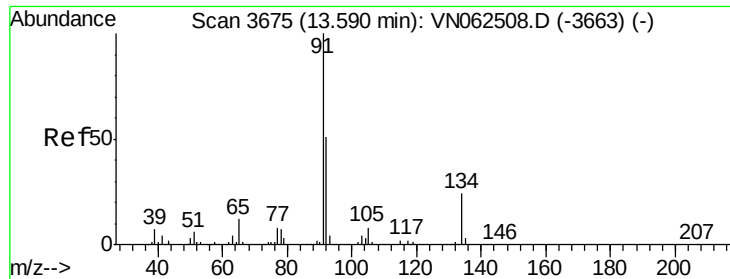
Tot Ion:146 Resp: 90106
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.0 63.0
 148 62.9 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.465 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion:146 Resp: 88613
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.4 64.2
 148 62.5 32.4 97.2





#85

n-Butylbenzene

Concen: 16.842 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062516.D

Acq: 13 Jul 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBS01

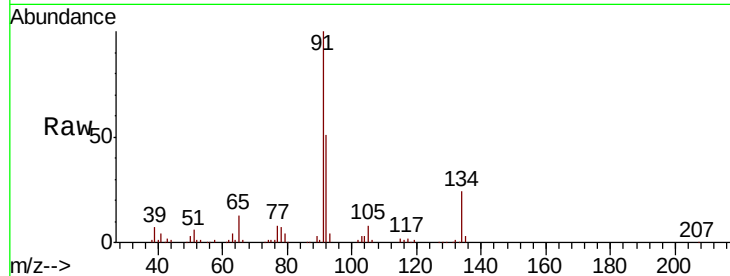
Tot Ion: 91 Resp: 146074

Ion Ratio Lower Upper

91 100

92 51.0 0.0 102.4

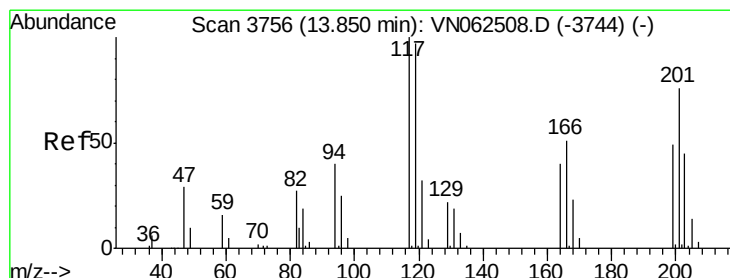
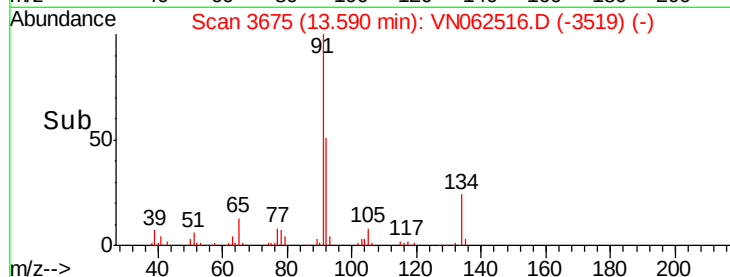
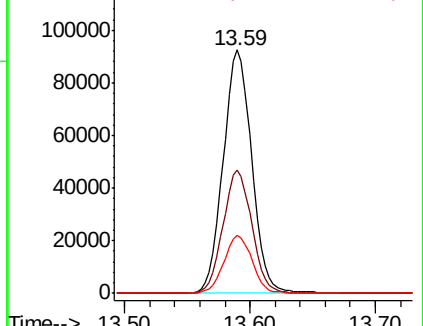
134 23.5 0.0 46.6



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) (-)



#86

Hexachloroethane

Concen: 18.487 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062516.D

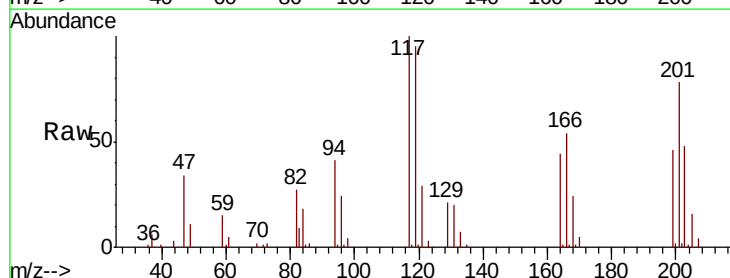
Acq: 13 Jul 2020 15:10

Tgt Ion: 117 Resp: 36069

Ion Ratio Lower Upper

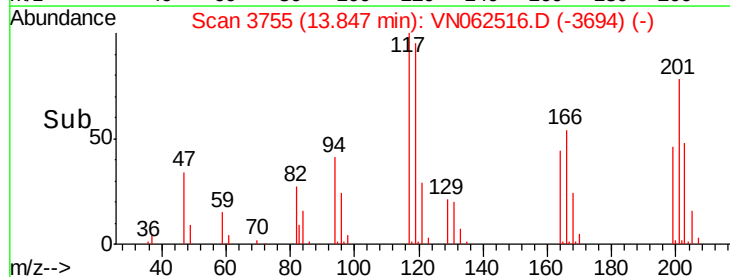
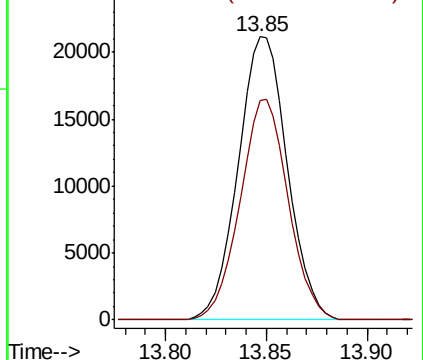
117 100

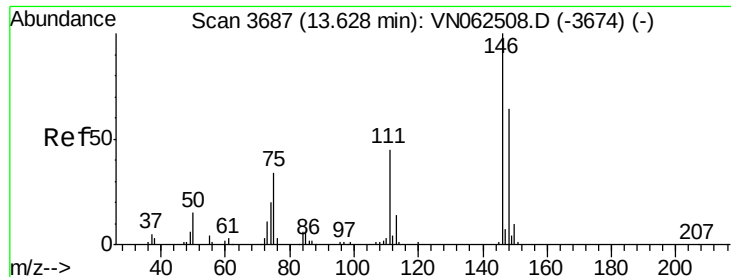
201 76.4 37.4 112.2



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

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

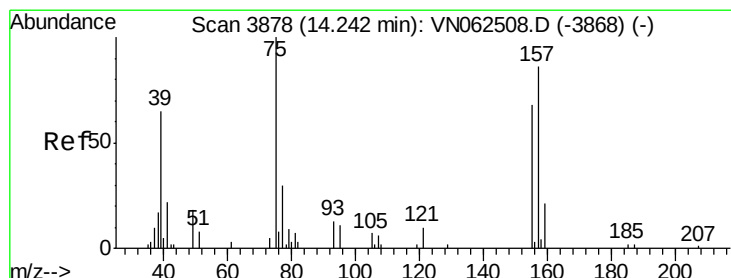
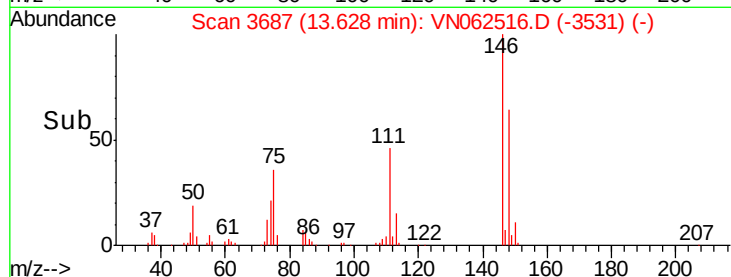
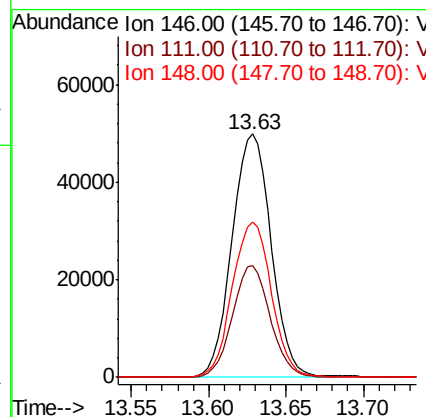
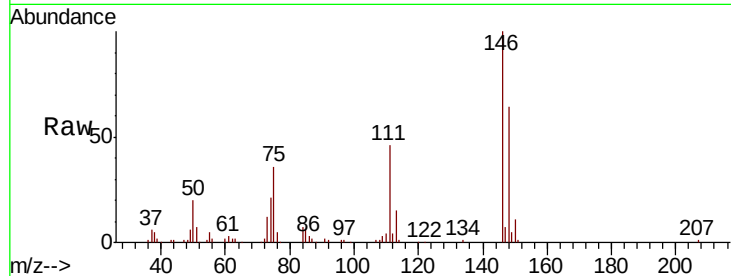




#87
 1,2-Dichlorobenzene
 Concen: 18.754 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

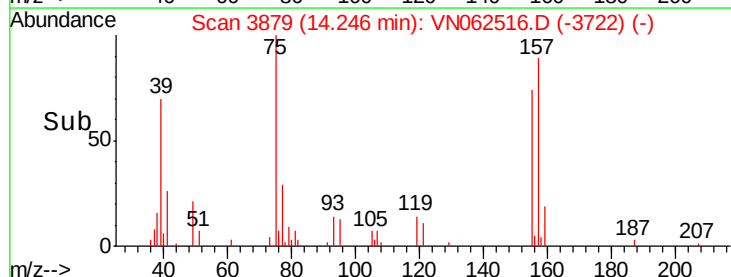
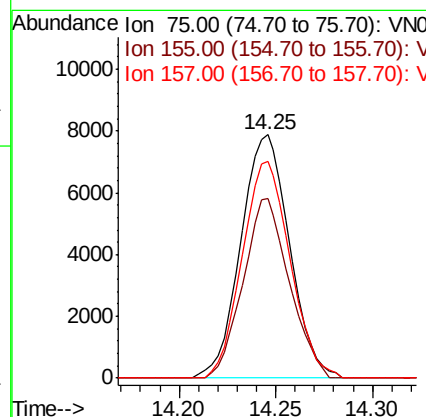
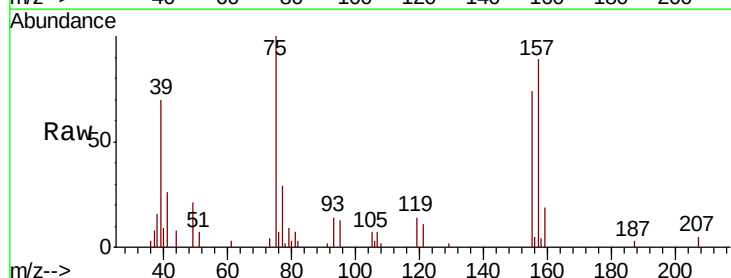
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

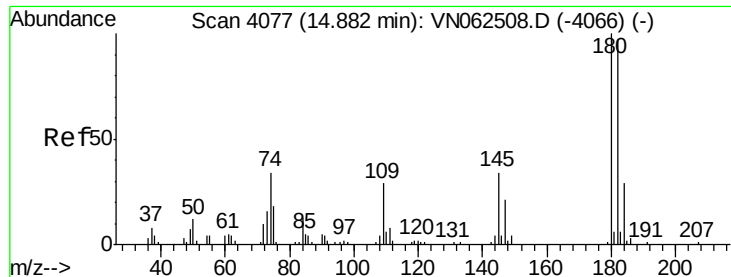
Tot Ion:146 Resp: 87704
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.4 67.0
 148 63.8 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.682 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062516.D
 Acq: 13 Jul 2020 15:10

Tgt Ion: 75 Resp: 13788
 Ion Ratio Lower Upper
 75 100
 155 69.9 55.7 83.5
 157 87.6 71.0 106.6

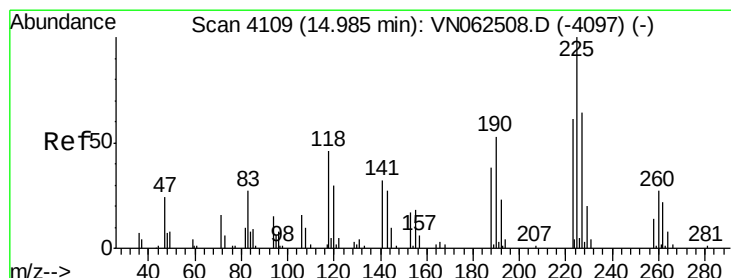
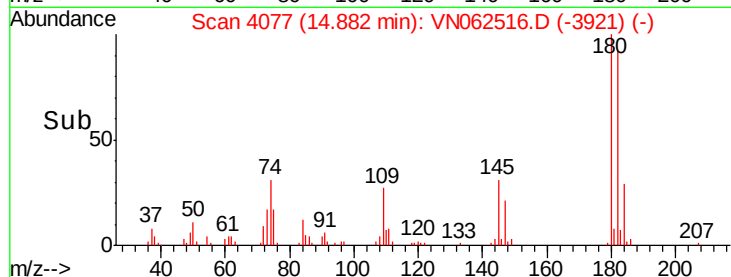
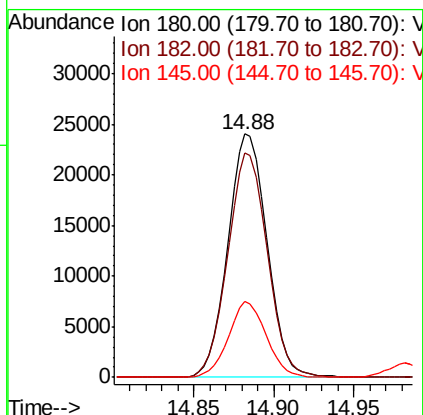
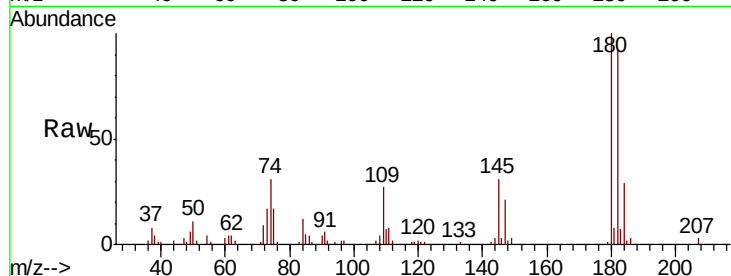




#89
1,2,4-Trichlorobenzene
Concen: 17.251 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

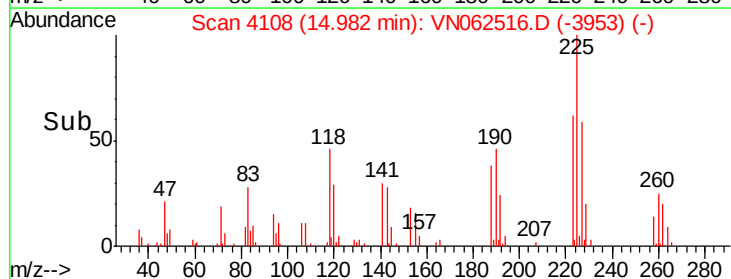
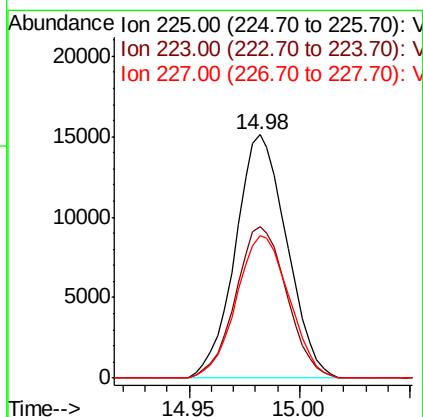
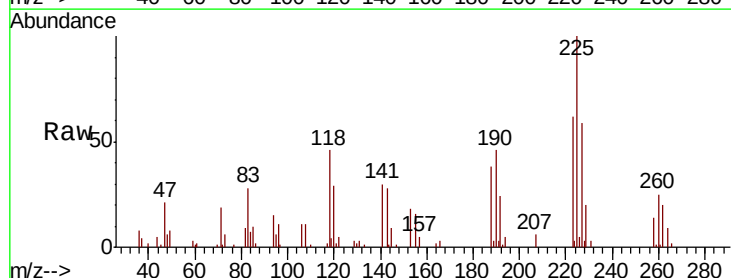
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

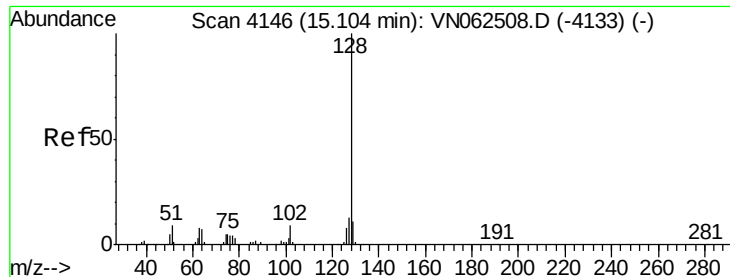
Tot Ion:180 Resp: 40164
Ion Ratio Lower Upper
180 100
182 92.9 77.5 116.3
145 29.8 26.1 39.1



#90
Hexachlorobutadiene
Concen: 18.974 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion:225 Resp: 24501
Ion Ratio Lower Upper
225 100
223 61.9 0.0 120.4
227 60.1 0.0 129.6

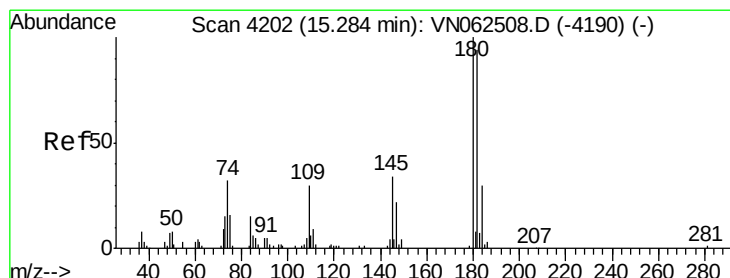
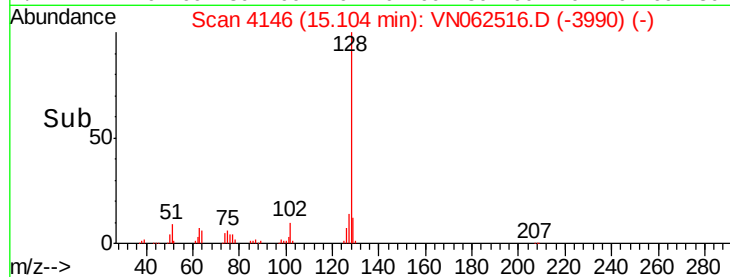
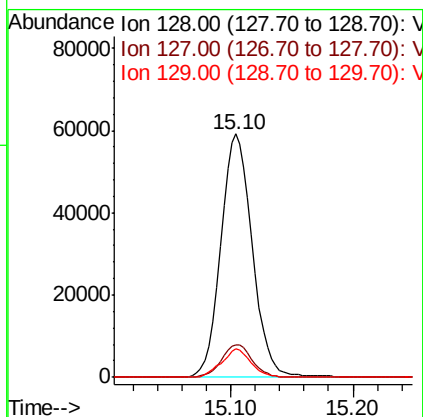
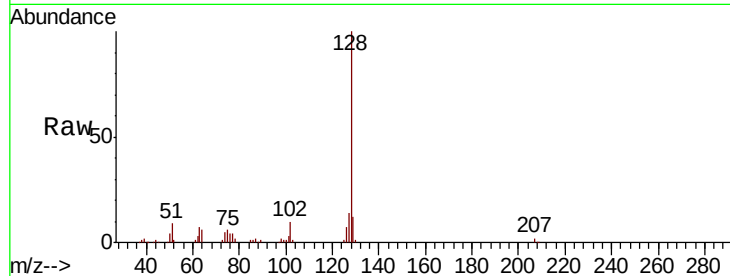




#91
Naphthalene
Concen: 16.945 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBS01

Tot Ion:128 Resp: 106962
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.0 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 17.677 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062516.D
Acq: 13 Jul 2020 15:10

Tgt Ion:180 Resp: 41478
Ion Ratio Lower Upper
180 100
182 95.9 0.0 187.2
145 34.3 0.0 67.8

