

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062556.D
 Acq On : 20 Jul 2020 12:46
 Operator : JC/MD
 Sample : VN0720WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Quant Time: Jul 21 00:53:34 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	36131	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	199549	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	186455	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	95202	30.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.23%
60) 4-Bromofluorobenzene	12.37	95	96799	30.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.70%
63) Toluene-d8	10.06	98	264811	30.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	44386	20.813	ug/l 100
3) Chloromethane	2.04	50	60502	19.648	ug/l 99
4) Vinyl Chloride	2.16	62	54128	20.109	ug/l 97
5) Bromomethane	2.54	94	25658	19.214	ug/l 92
6) Chloroethane	2.67	64	26645	20.108	ug/l 98
7) Trichlorofluoromethane	2.98	101	64100	20.318	ug/l 97
8) Diethyl Ether	3.37	74	30731	20.263	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	42868	21.019	ug/l 97
10) 1,1-Dichloroethene	3.69	96	42430	20.393	ug/l 96
11) Methyl Iodide	3.91	142	46284	18.165	ug/l 99
13) Acrolein	3.57	56	34794	83.457	ug/l 96
14) Acrylonitrile	4.93	53	129358	99.678	ug/l 99
15) Acetone	3.78	58	35295	88.596	ug/l 94
16) Carbon Disulfide	4.01	76	133793	19.733	ug/l 99
17) Allvl chloride	4.28	41	91368	20.648	ug/l 96
18) Methylene Chloride	4.50	84	54024	21.102	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	46364	20.134	ug/l 94
20) Diisopropyl ether	5.90	45	187338	20.595	ug/l 99
21) 1,1-Dichloroethane	5.79	63	98879	20.561	ug/l 98
22) cis-1,2-Dichloroethene	6.77	96	53732	20.690	ug/l 99
23) tert-Butyl Alcohol	4.73	59	46840	107.849	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	155932	20.328	ug/l 99
25) Chloroform	7.33	83	94946	21.528	ug/l 99
26) Cyclohexane	7.61	56	84272	19.881	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	71781	21.207	ug/l 98
30) 2-Butanone	6.79	43	176352	98.240	ug/l 98
31) 2,2-Dichloropropane	6.77	77	80735	21.153	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	79731	21.916	ug/l 97
33) Carbon Tetrachloride	7.73	117	67608	21.438	ug/l 98
34) Benzene	8.00	78	211138	20.996	ug/l 98
35) Methacrylonitrile	7.12	41	28401	18.011	ug/l 98
36) 1,2-Dichloroethane	8.08	62	77504	21.444	ug/l 100
37) Trichloroethene	8.80	130	47753	21.141	ug/l 95
38) Methylcyclohexane	9.05	83	76124	20.048	ug/l 99
39) 1,2-Dichloropropane	9.08	63	59761	20.860	ug/l 98
40) Dibromomethane	9.18	93	35048	21.228	ug/l 98
41) Bromodichloromethane	9.37	83	74912	21.392	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.84	43	762551	102.225	ug/l	100
43) Ethyl Acetate	6.88	43	76041	21.070	ug/l	99
44) Isopropyl Acetate	8.12	43	121363	20.043	ug/l	97
45) 1,4-Dioxane	9.16	88	16981	409.958	ug/l	97
46) Methyl methacrylate	9.17	41	56283	19.593	ug/l	96
47) n-amyl Acetate	12.04	43	98799	19.356	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	83472	20.436	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	92080	20.884	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	50434	21.792	ug/l	96
51) Ethyl methacrylate	10.40	69	77199	19.812	ug/l	99
52) 1,3-Dichloropropane	10.68	76	87846	20.682	ug/l	97
53) Dibromochloromethane	10.87	129	54346	21.553	ug/l	100
54) 1,2-Dibromoethane	10.98	107	50342	21.252	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	115383	92.713	ug/l	99
56) Bromoform	12.10	173	36210	21.025	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	374366	103.053	ug/l	100
59) 2-Hexanone	10.72	43	263204	98.791	ug/l	100
61) Tetrachloroethene	10.60	164	40944	21.443	ug/l	92
62) Toluene	10.12	91	222423	21.028	ug/l	100
64) Chlorobenzene	11.40	112	130066	20.926	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	48766	21.196	ug/l	98
66) Ethyl Benzene	11.48	91	237175	20.248	ug/l	99
67) m/p-Xylenes	11.59	106	175269	41.225	ug/l	99
68) o-Xylene	11.92	106	81291	19.924	ug/l	98
69) Styrene	11.94	104	139172	20.097	ug/l	99
70) Isopropylbenzene	12.22	105	224601	20.506	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	72390	20.450	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	95215	27.652	ug/l	61
73) Bromobenzene	12.50	156	51798	20.420	ug/l	100
74) n-propylbenzene	12.56	91	270172	20.751	ug/l	99
75) 2-Chlorotoluene	12.65	91	159429	20.339	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	190419	20.404	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	24752	19.220	ug/l	97
78) 4-Chlorotoluene	12.75	91	162345	20.297	ug/l	99
79) tert-butylbenzene	12.97	119	159412	20.628	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	185359	20.194	ug/l	99
81) sec-Butylbenzene	13.15	105	212176	20.445	ug/l	99
82) p-Isopropyltoluene	13.27	119	184478	20.143	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	91319	20.730	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	89909	20.683	ug/l	98
85) n-Butylbenzene	13.59	91	152902	19.463	ug/l	100
86) Hexachloroethane	13.85	117	34957	19.781	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	88740	20.948	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	13201	19.746	ug/l	96
89) 1,2,4-Trichlorobenzene	14.89	180	41628	19.739	ug/l	99
90) Hexachlorobutadiene	14.98	225	26333	22.513	ug/l	97
91) Naphthalene	15.10	128	102112	17.859	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	42471	19.982	ug/l	97

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QLast Update : Tue Jul 14 00:52:57 2020
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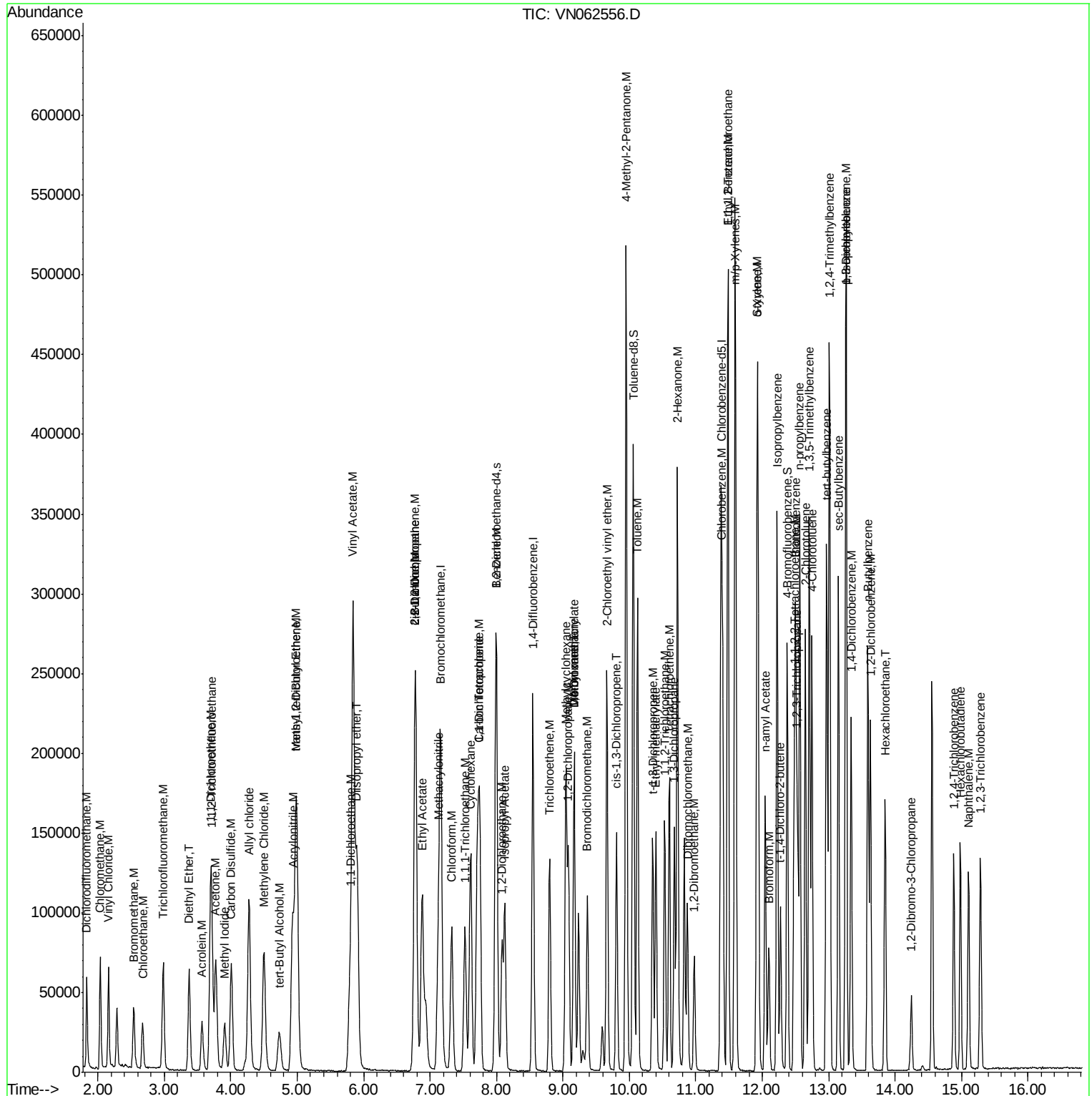
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

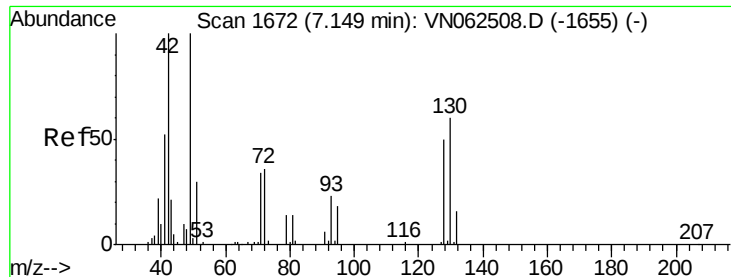
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072020\
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Quant Time: Jul 21 00:53:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
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QLast Update : Tue Jul 14 00:52:57 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

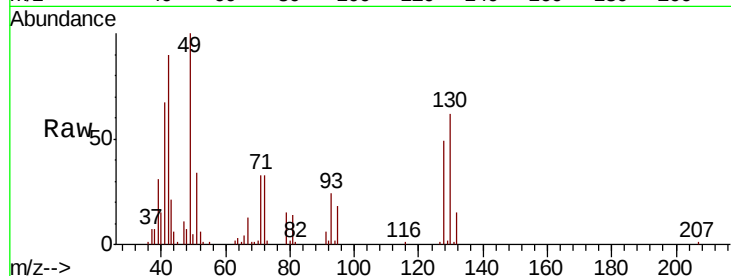
Tot Ion:128 Resp: 36131

Ion Ratio Lower Upper

128 100

49 211.4 0.0 525.0

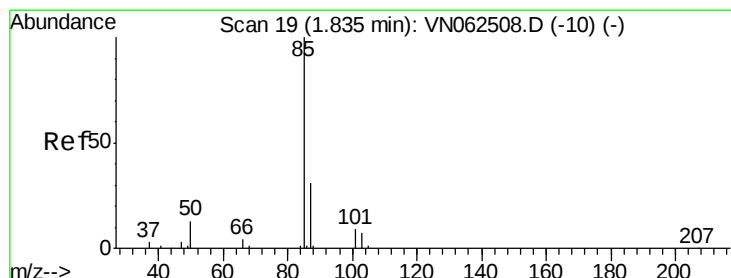
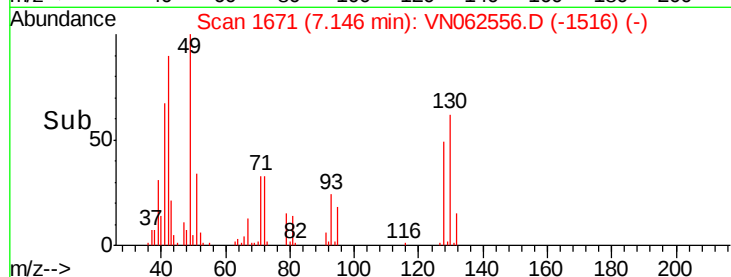
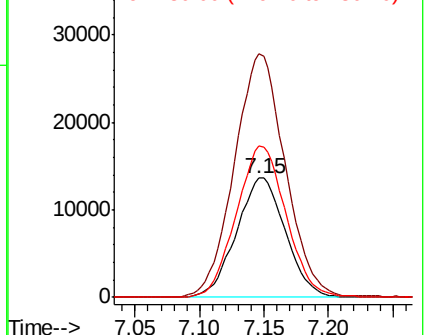
130 128.4 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.813 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062556.D

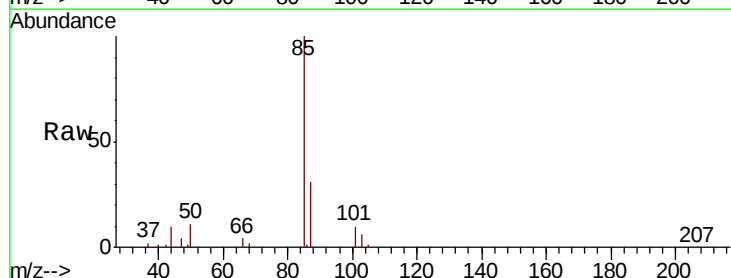
Acq: 20 Jul 2020 12:46

Tgt Ion: 85 Resp: 44386

Ion Ratio Lower Upper

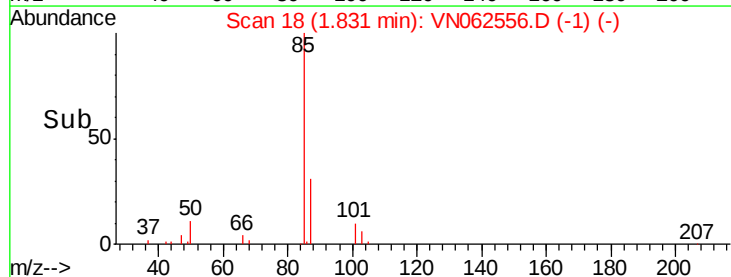
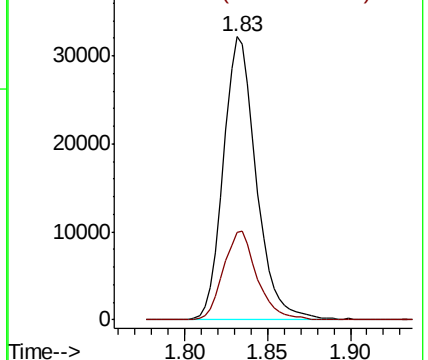
85 100

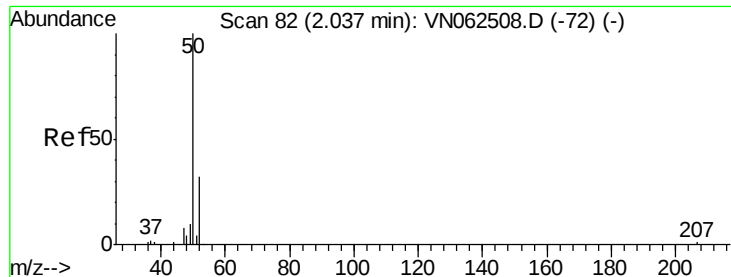
87 30.9 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.648 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

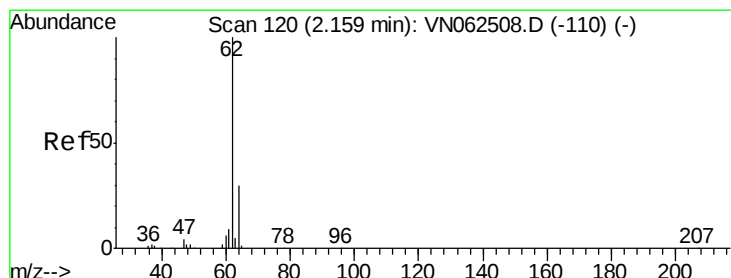
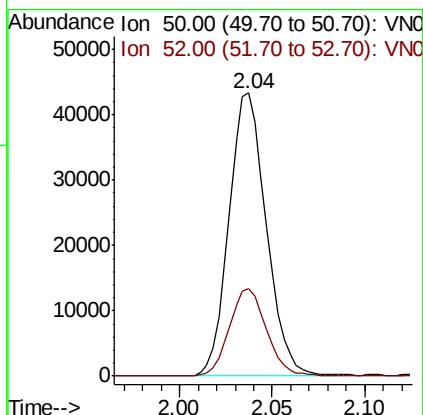
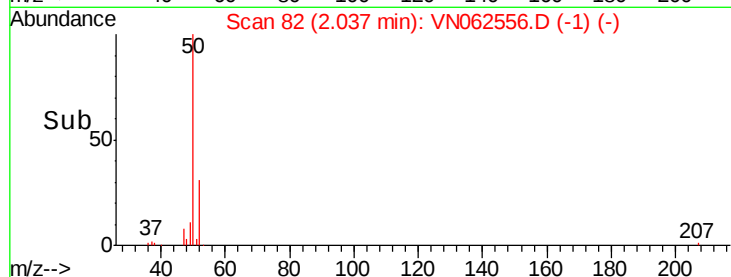
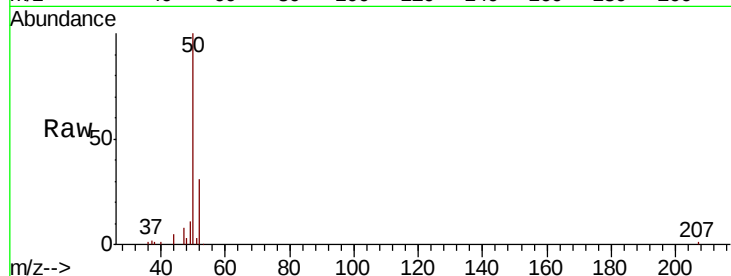
VN0720WBS01

Tot Ion: 50 Resp: 60502

Ion Ratio Lower Upper

50 100

52 31.1 25.4 38.2



#4

Vinyl Chloride

Concen: 20.109 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062556.D

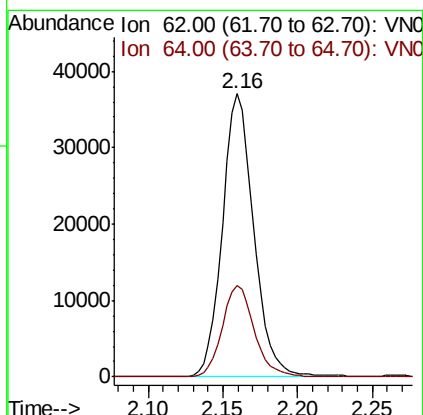
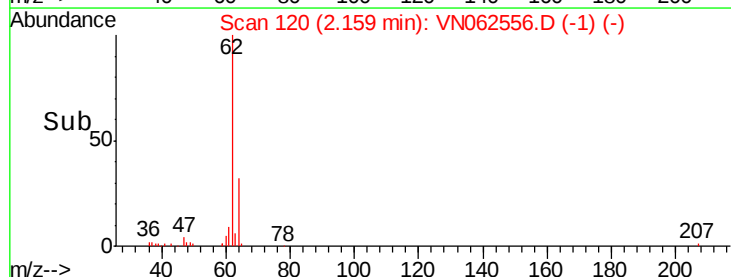
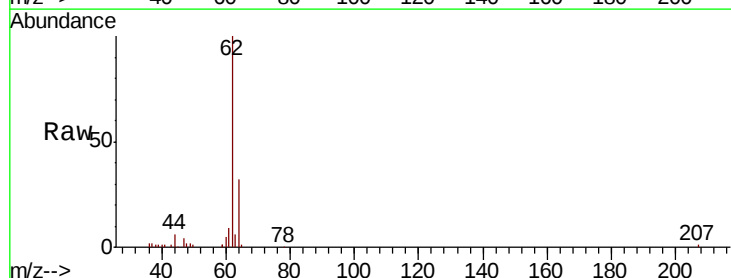
Acq: 20 Jul 2020 12:46

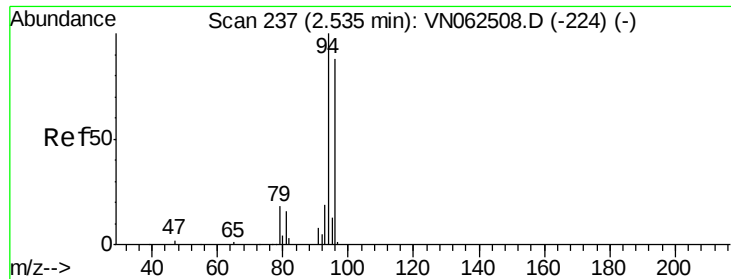
Tgt Ion: 62 Resp: 54128

Ion Ratio Lower Upper

62 100

64 32.2 24.3 36.5





#5

Bromomethane

Concen: 19.214 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

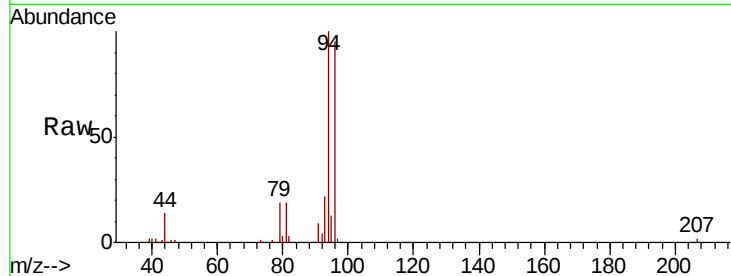
VN0720WBS01

Tot Ion: 94 Resp: 25658

Ion Ratio Lower Upper

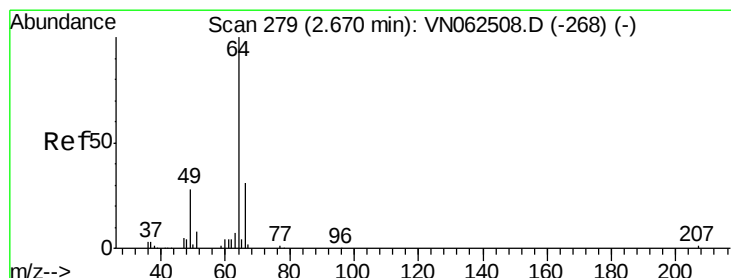
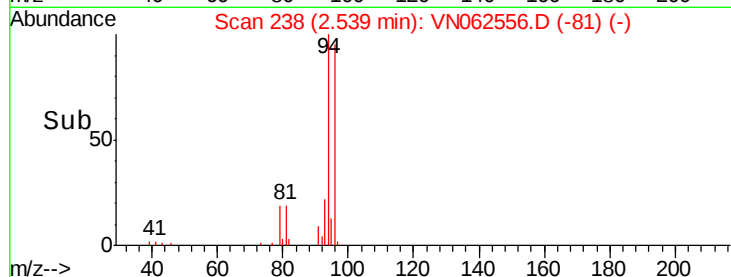
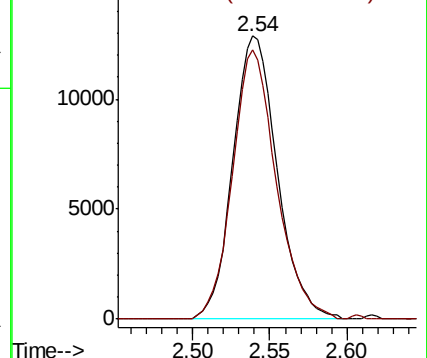
94 100

96 95.1 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.108 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN062556.D

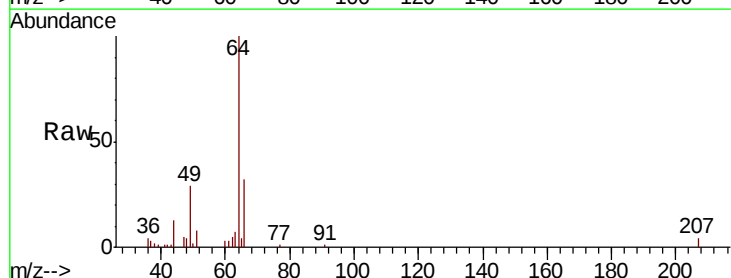
Acq: 20 Jul 2020 12:46

Tgt Ion: 64 Resp: 26645

Ion Ratio Lower Upper

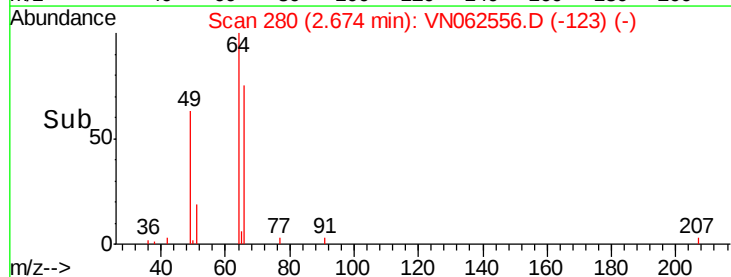
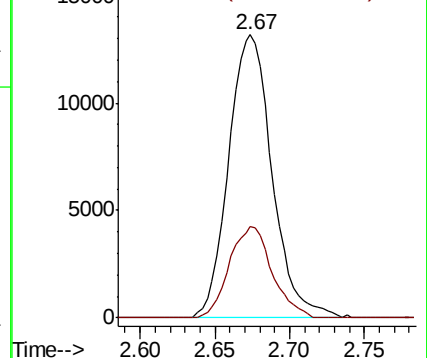
64 100

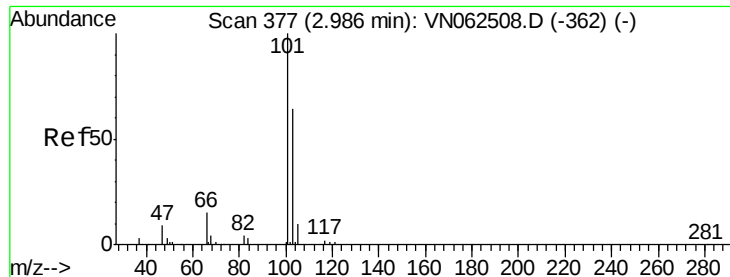
66 32.1 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



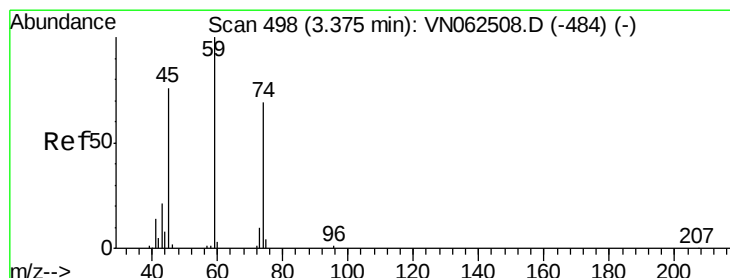
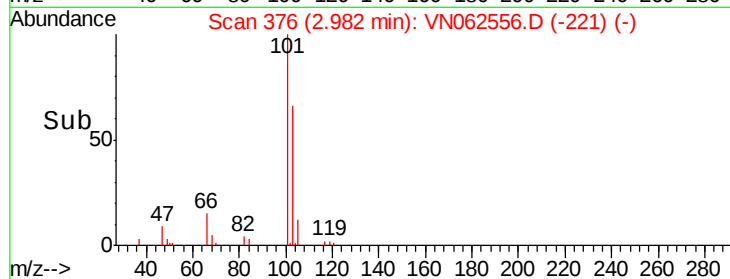
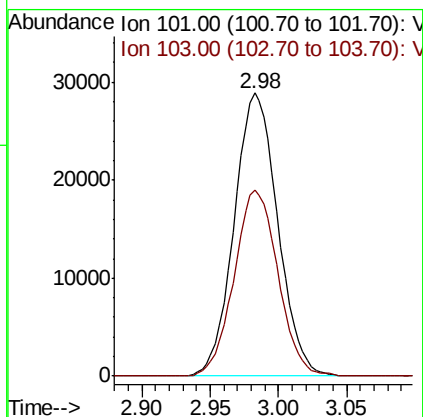
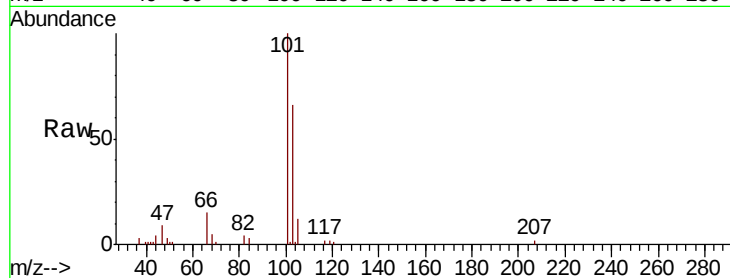


#7

Trichlorofluoromethane
 Concen: 20.318 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Instrument :
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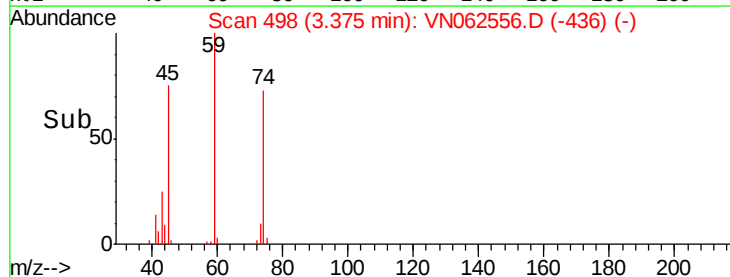
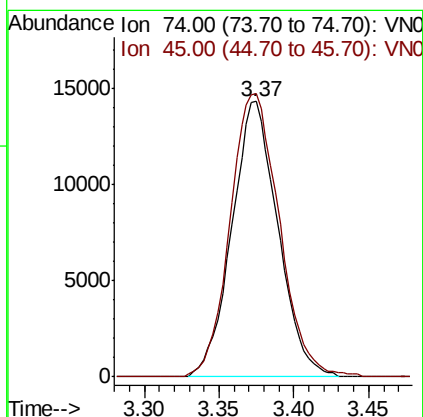
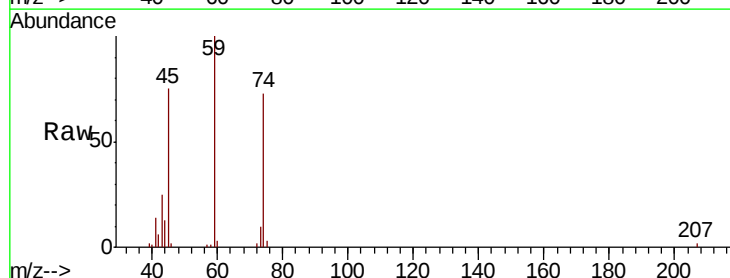
Tot Ion:101 Resp: 64100
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.9 76.3

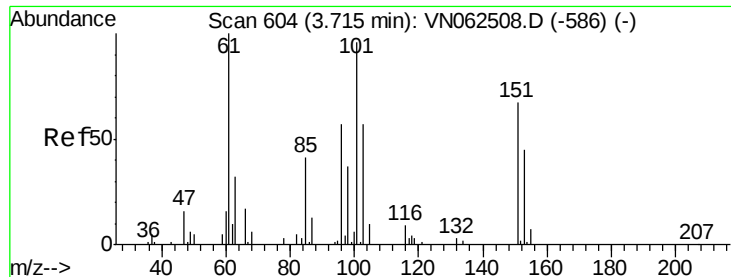


#8

Diethyl Ether
 Concen: 20.263 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion: 74 Resp: 30731
 Ion Ratio Lower Upper
 74 100
 45 109.5 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.019 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

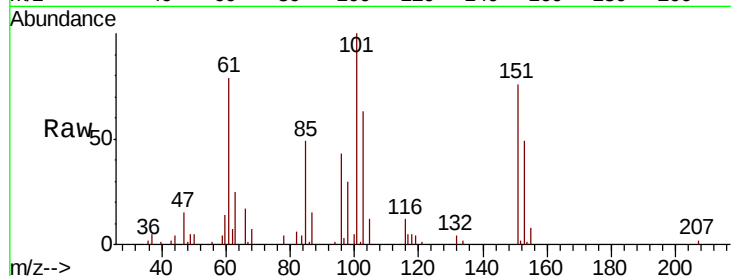
Tot Ion:101 Resp: 42868

Ion Ratio Lower Upper

101 100

85 46.3 0.0 90.4

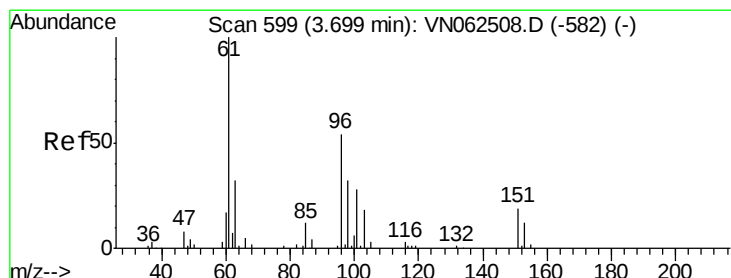
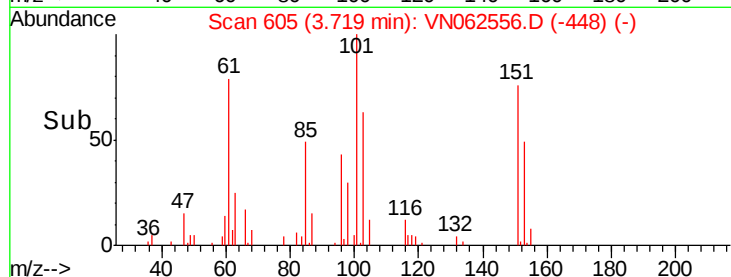
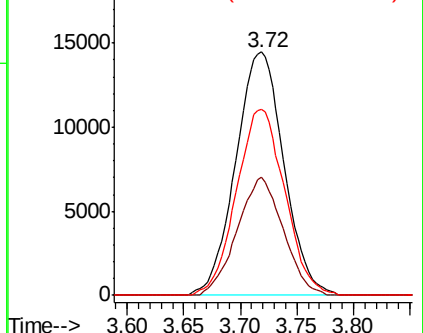
151 76.6 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.393 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.01 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

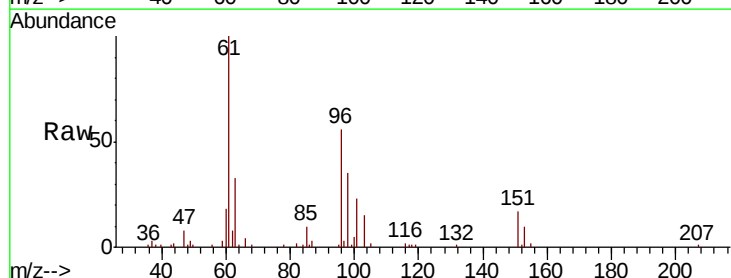
Tgt Ion: 96 Resp: 42430

Ion Ratio Lower Upper

96 100

61 178.5 147.8 221.8

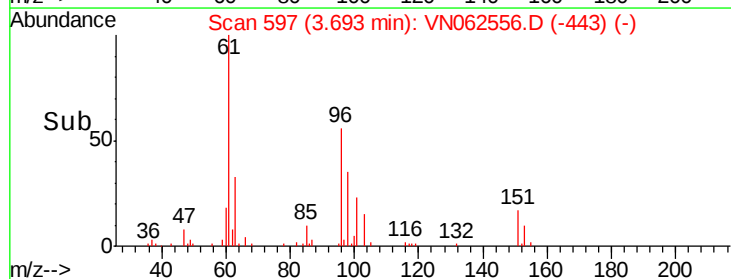
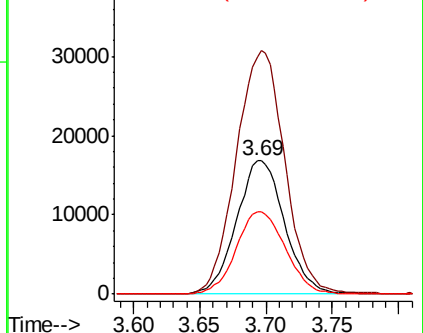
98 61.9 47.8 71.8

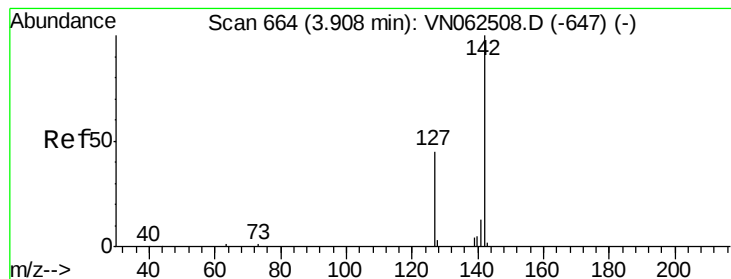


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methvl Iodide

Concen: 18.165 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

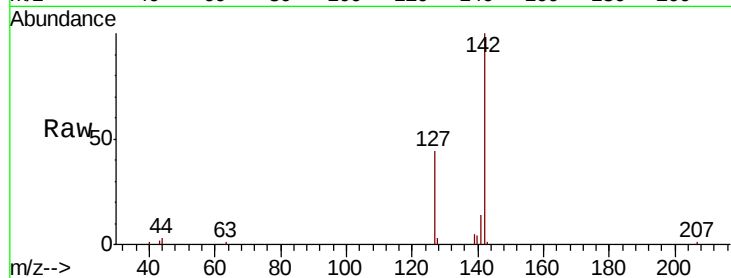
Tot Ion:142 Resp: 46284

Ion Ratio Lower Upper

142 100

127 44.3 22.1 66.5

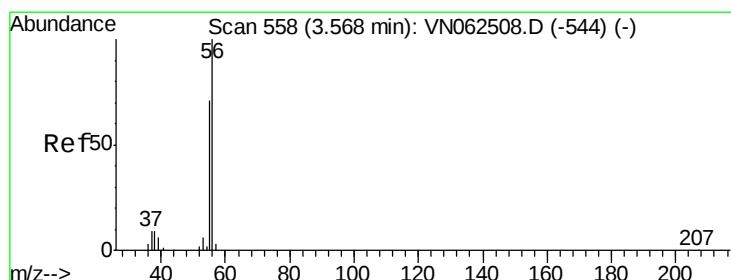
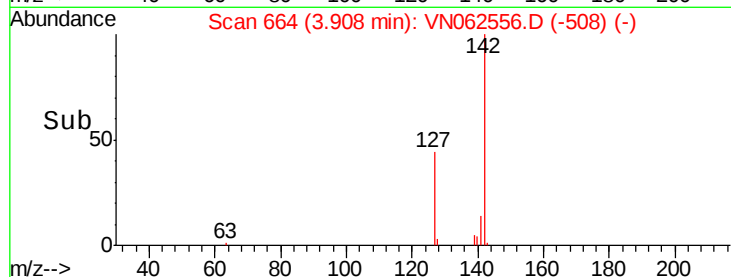
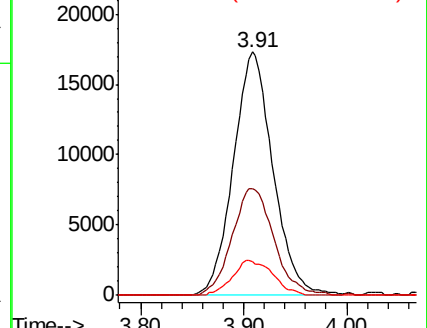
141 13.8 6.5 19.4



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#13

Acrolein

Concen: 83.457 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062556.D

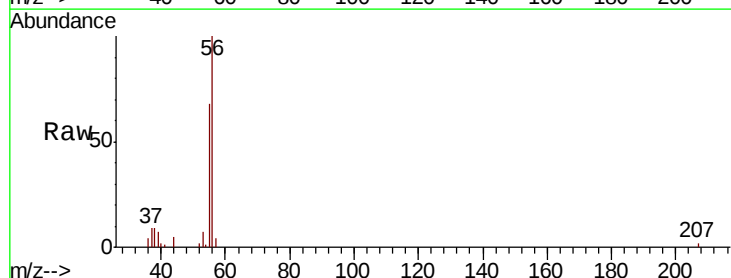
Acq: 20 Jul 2020 12:46

Tgt Ion: 56 Resp: 34794

Ion Ratio Lower Upper

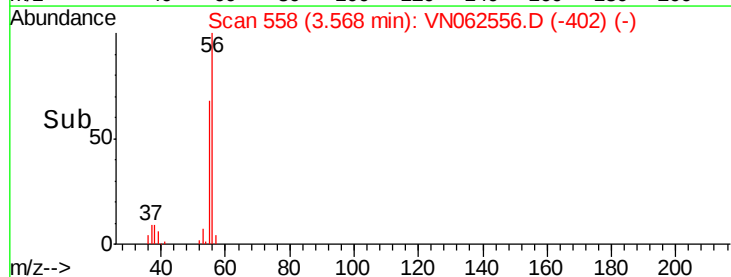
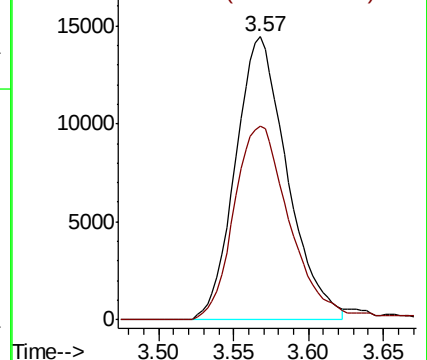
56 100

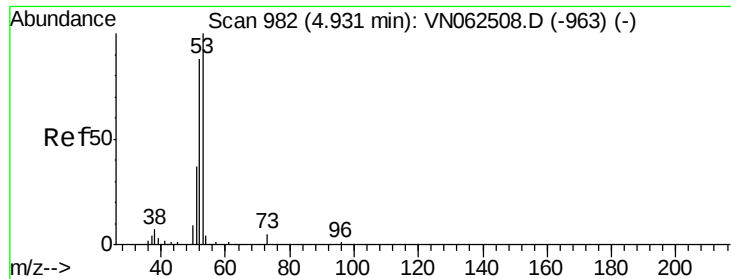
55 73.1 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#14

Acrylonitrile

Concen: 99.678 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

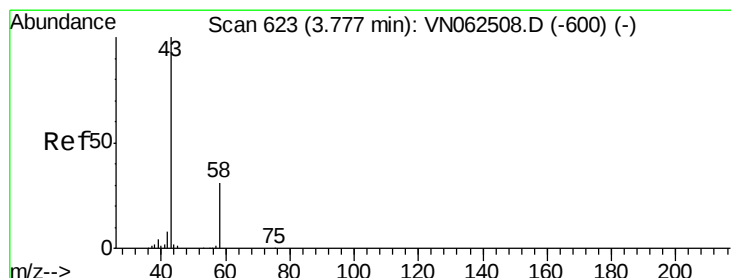
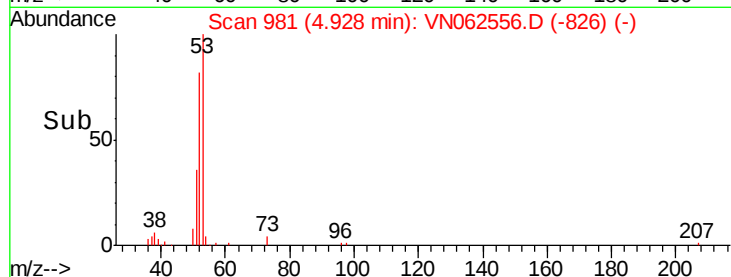
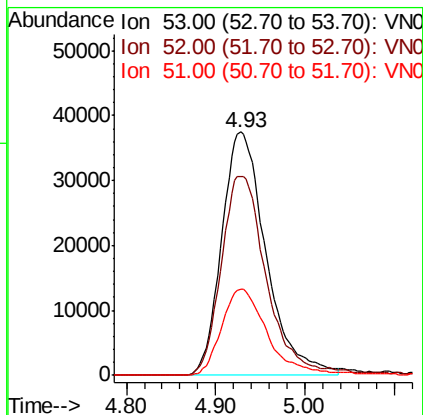
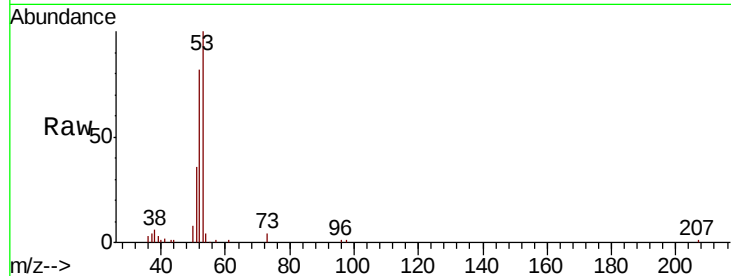
Tot Ion: 53 Resp: 129358

Ion Ratio Lower Upper

53 100

52 82.1 41.8 125.4

51 36.4 18.5 55.5



#15

Acetone

Concen: 88.596 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062556.D

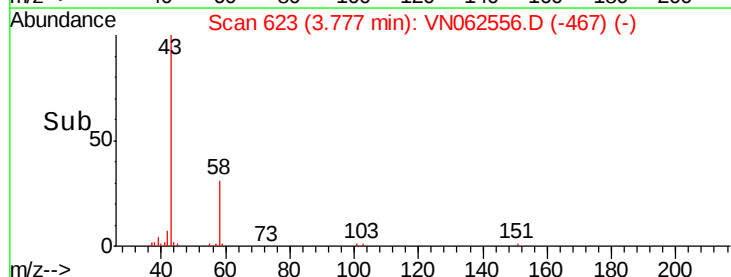
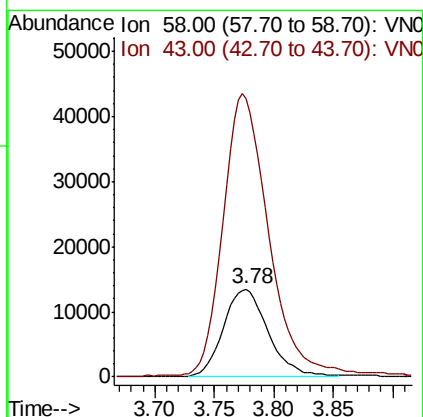
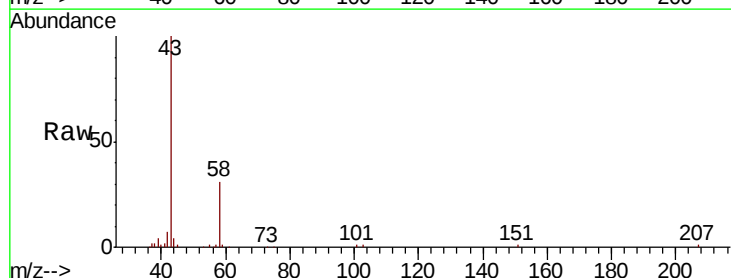
Acq: 20 Jul 2020 12:46

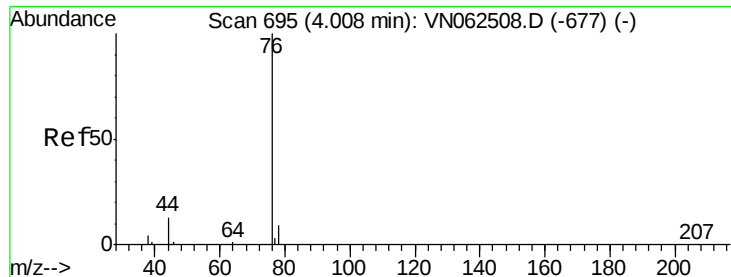
Tgt Ion: 58 Resp: 35295

Ion Ratio Lower Upper

58 100

43 313.6 261.1 391.7

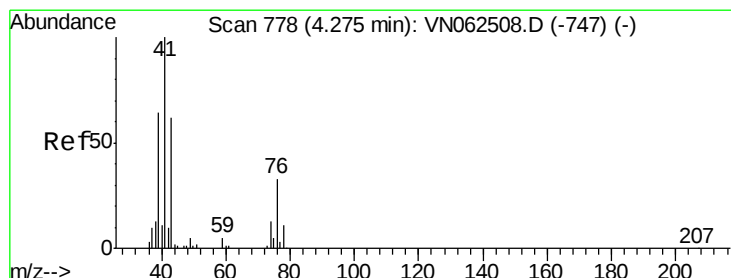
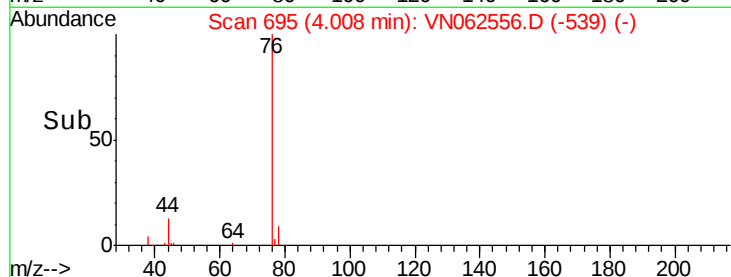
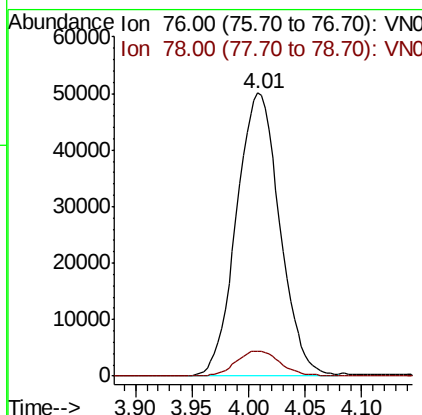
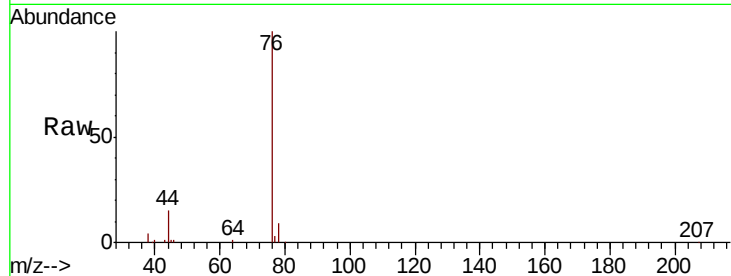




#16
Carbon Disulfide
Concen: 19.733 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

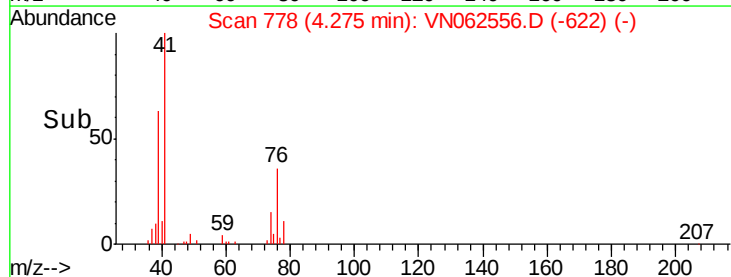
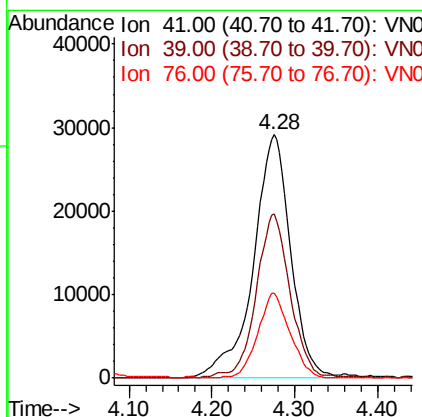
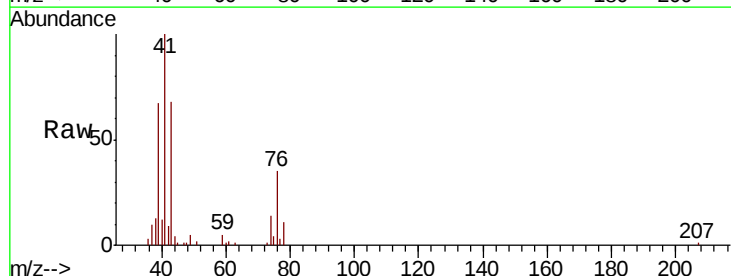
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

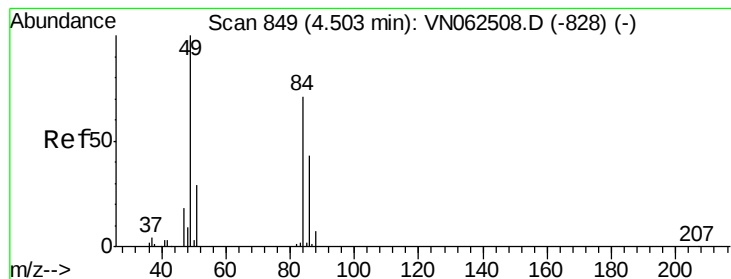
Tot Ion: 76 Resp: 133793
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#17
Allyl chloride
Concen: 20.648 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 41 Resp: 91368
Ion Ratio Lower Upper
41 100
39 67.2 31.9 95.5
76 35.1 16.6 49.8





#18

Methylene Chloride

Concen: 21.102 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

Tot Ion: 84 Resp: 54024

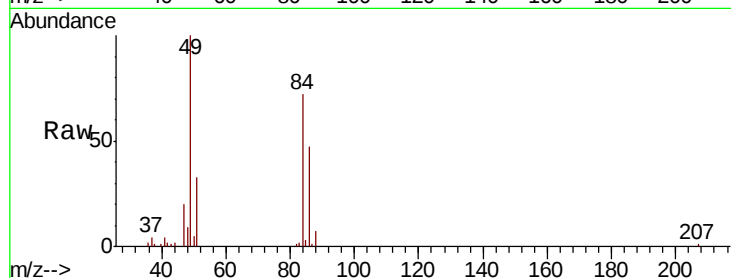
Ion Ratio Lower Upper

84 100

49 137.1 112.1 168.1

51 46.0 33.0 49.4

86 64.4 48.2 72.4

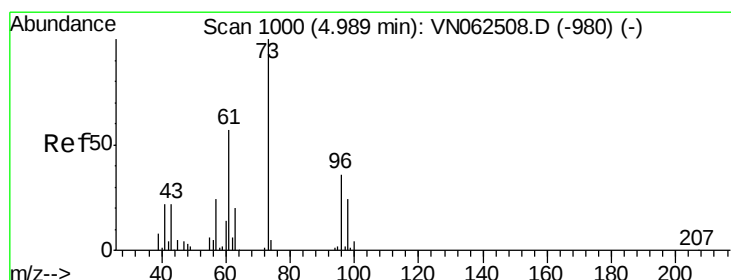
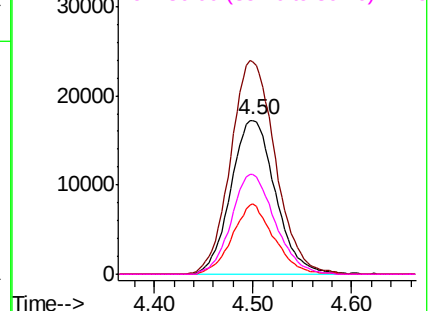
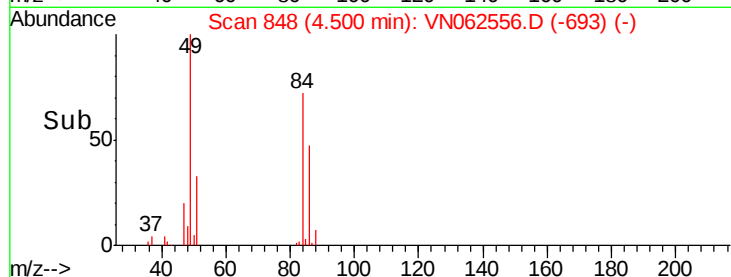


Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#19

trans-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

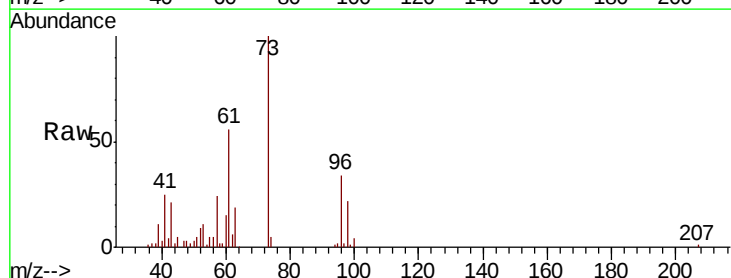
Tgt Ion: 96 Resp: 46364

Ion Ratio Lower Upper

96 100

61 165.4 125.7 188.5

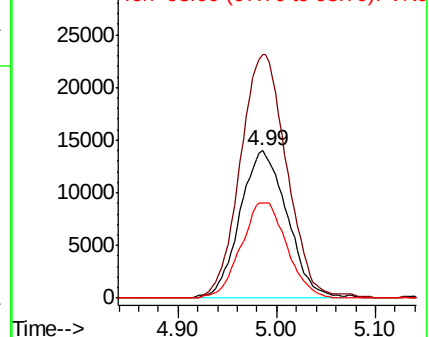
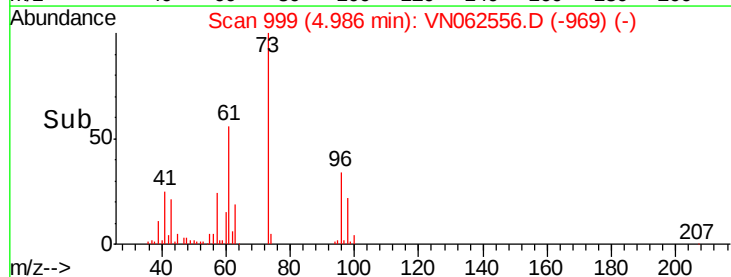
98 64.6 54.1 81.1

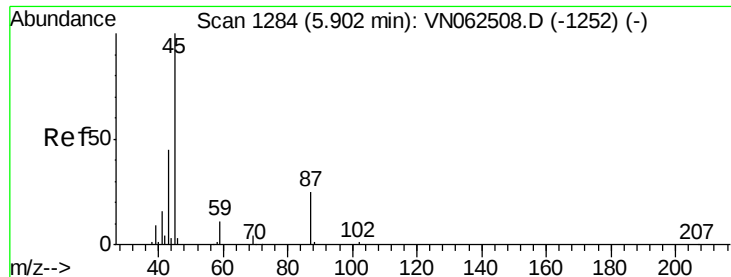


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

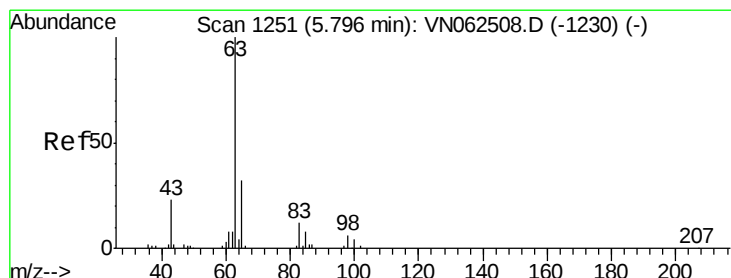
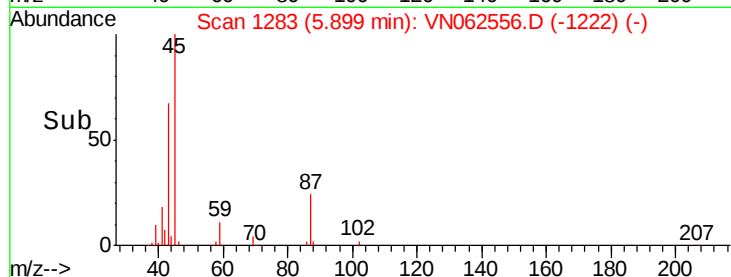
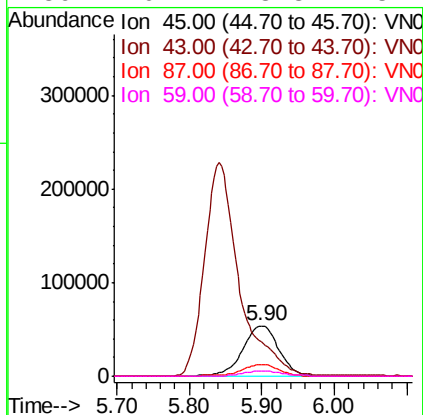
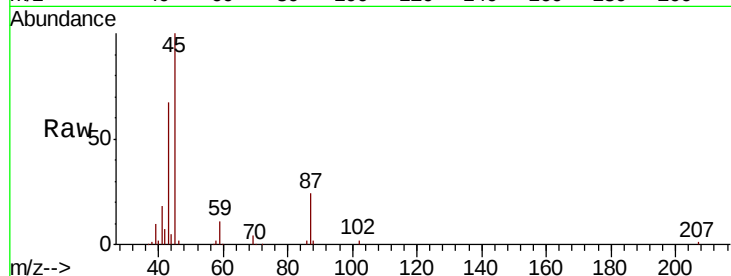




#20
Diisopropyl ether
Concen: 20.595 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

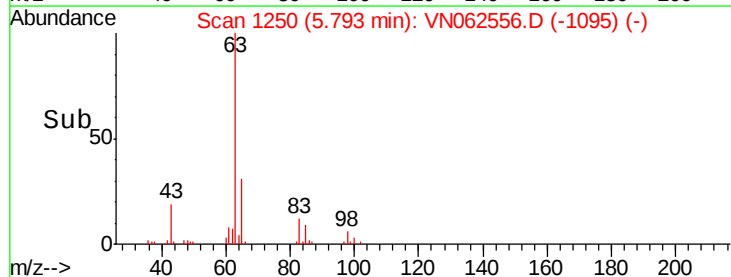
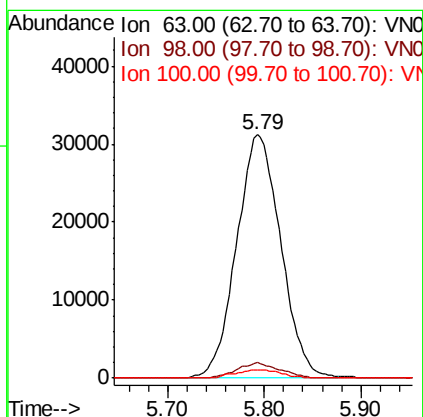
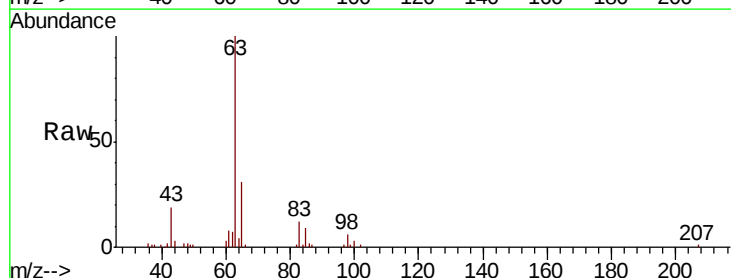
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

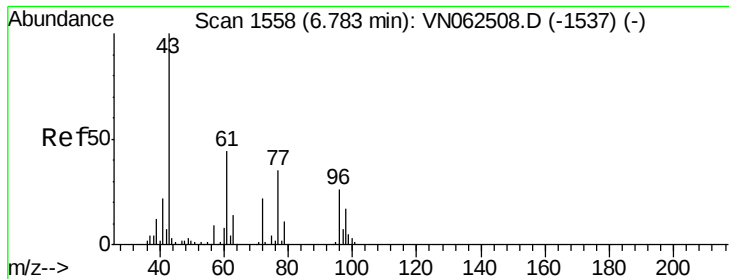
Tot Ion:	45	Resp:	187338
Ion	Ratio	Lower	Upper
45	100		
43	65.0	51.3	76.9
87	23.5	19.8	29.6
59	10.4	8.8	13.2



#21
1,1-Dichloroethane
Concen: 20.561 ug/l
RT: 5.79 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion:	63	Resp:	98879
Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.8	8.4
100	3.2	2.0	5.8

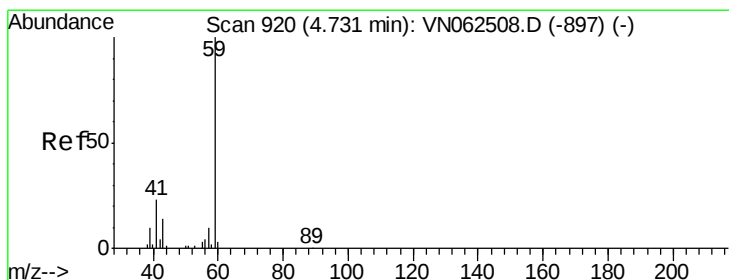
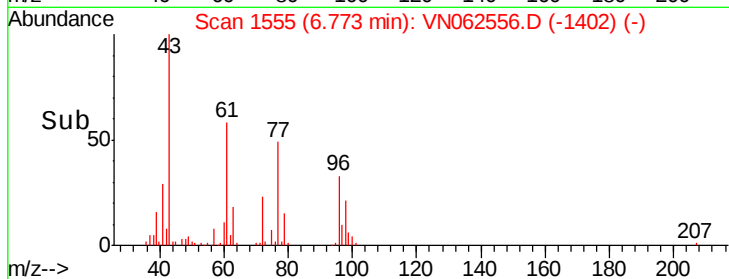
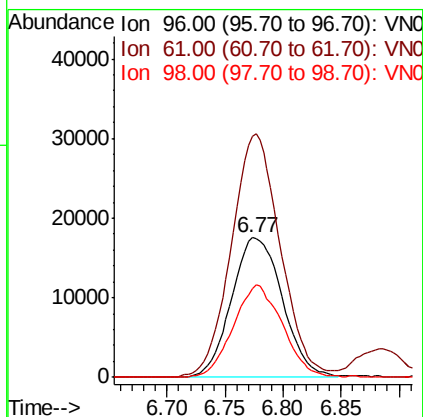
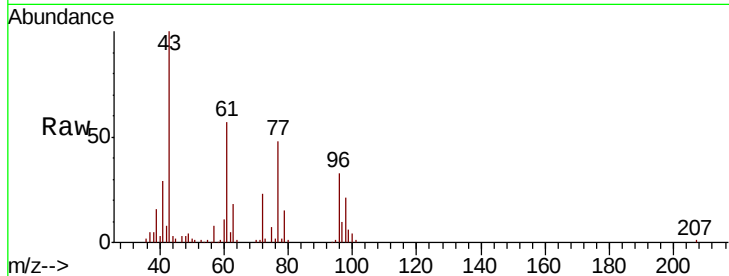




#22
 cis-1,2-Dichloroethene
 Concen: 20.690 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

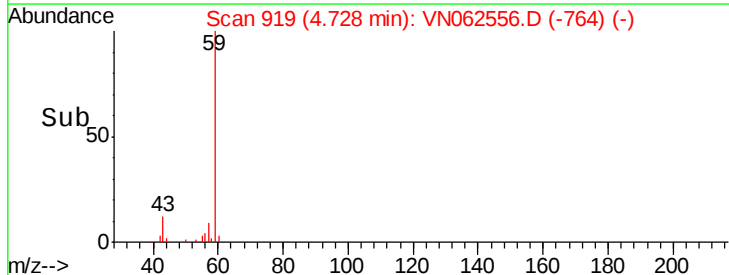
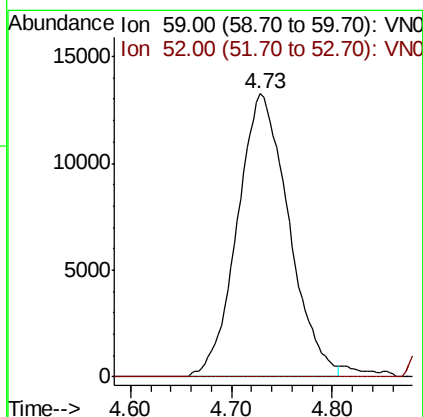
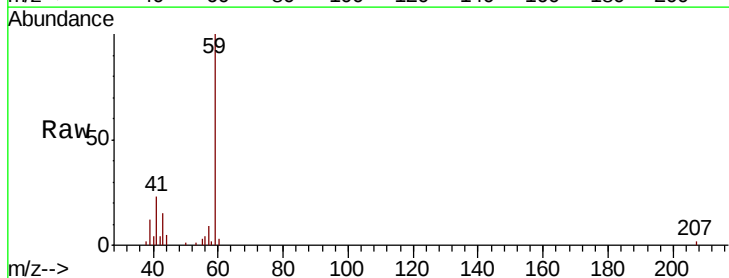
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

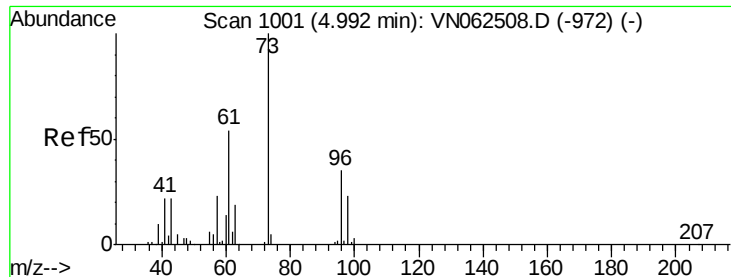
Tot Ion: 96 Resp: 53732
 Ion Ratio Lower Upper
 96 100
 61 167.2 134.9 202.3
 98 63.4 51.5 77.3



#23
 tert-Butyl Alcohol
 Concen: 107.849 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion: 59 Resp: 46840
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

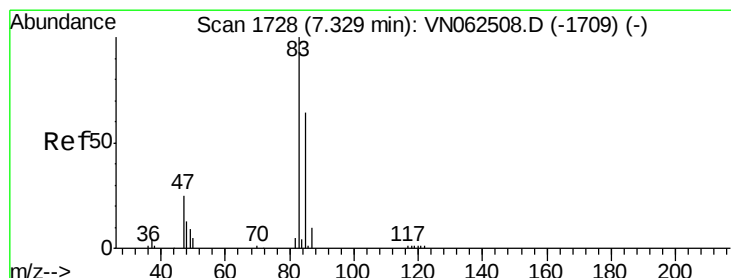
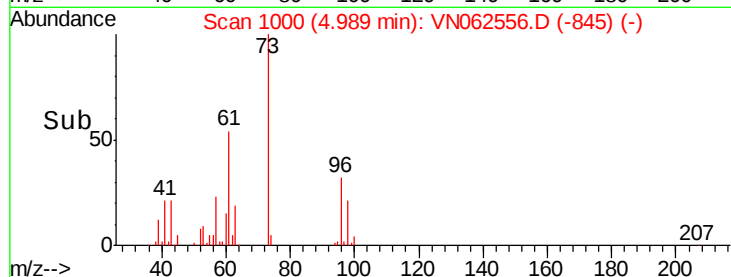
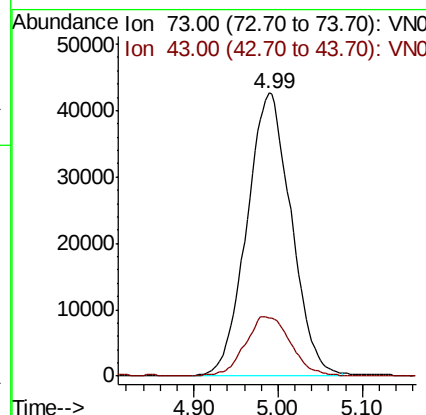
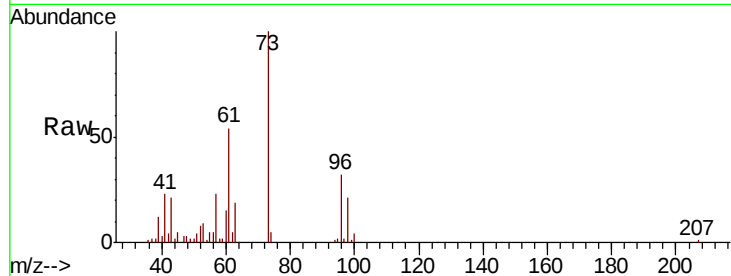




#24
Methvl tert-Butvl Ether
Concen: 20.328 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

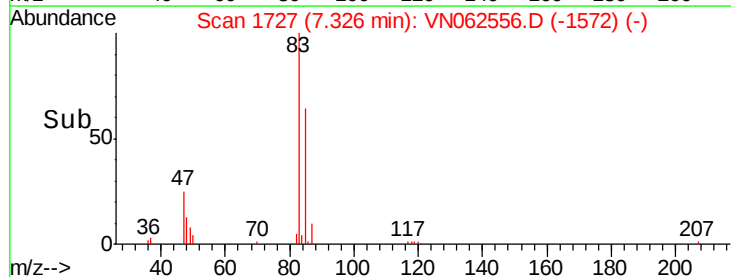
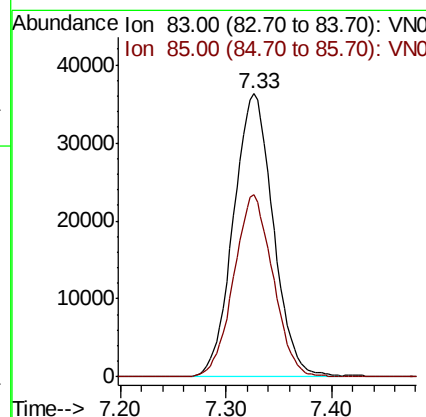
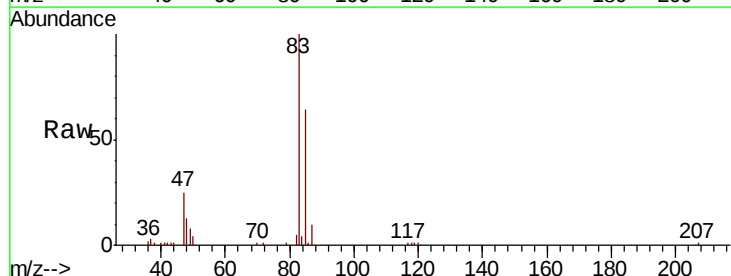
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

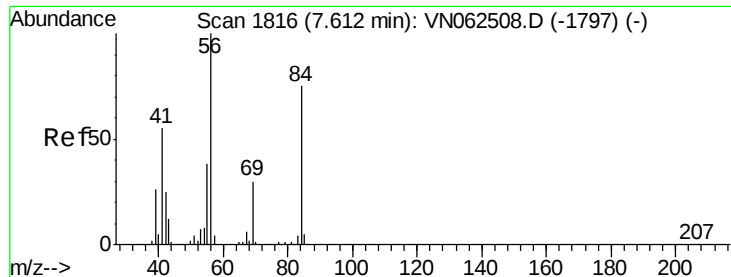
Tot Ion: 73 Resp: 155932
Ion Ratio Lower Upper
73 100
43 21.7 16.9 25.3



#25
Chloroform
Concen: 21.528 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 83 Resp: 94946
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4

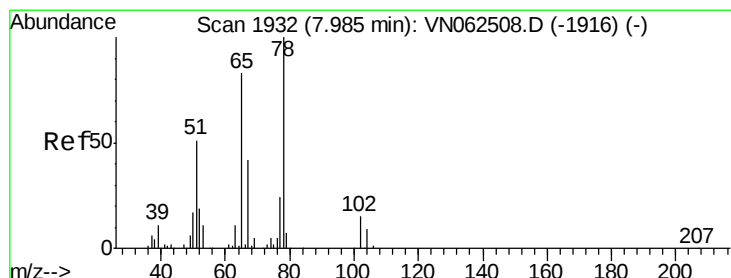
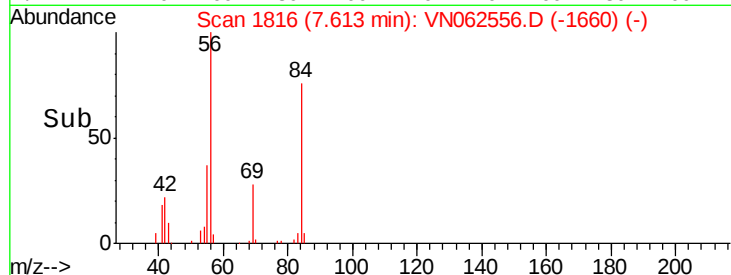
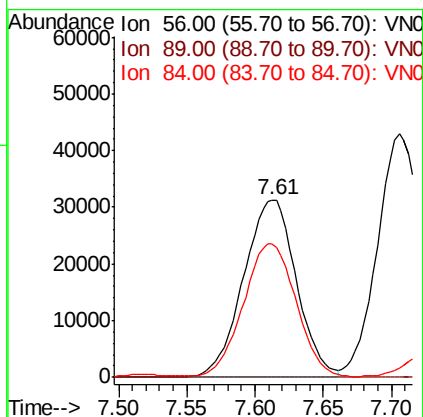
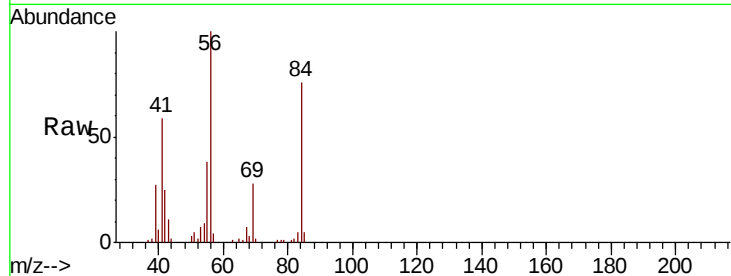




#26
Cvclohexane
Concen: 19.881 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

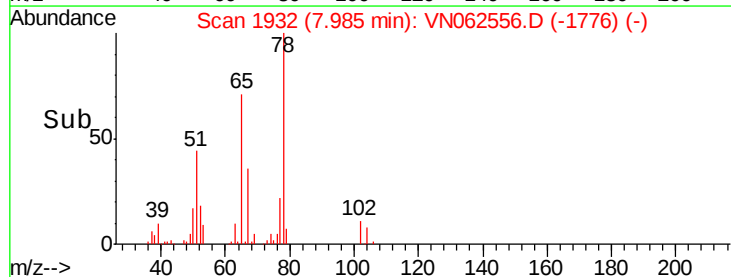
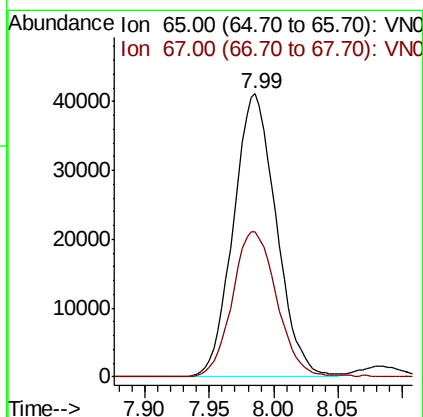
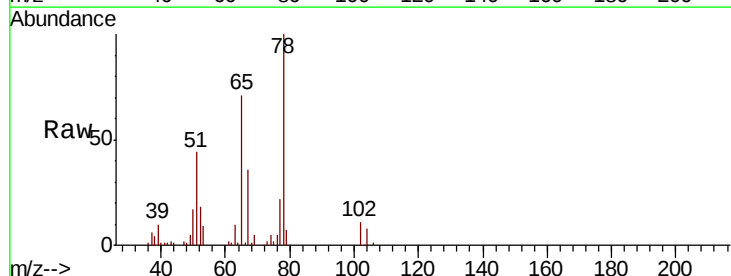
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

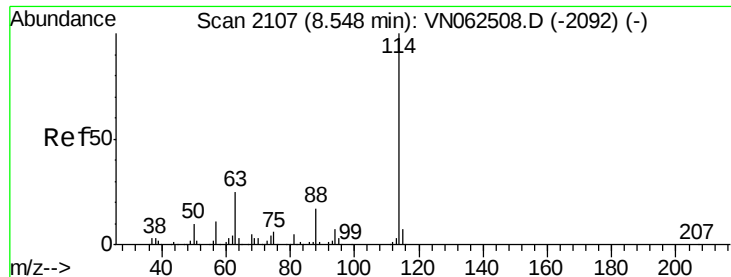
Tot Ion: 56 Resp: 84272
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 74.2 61.1 91.7



#27
1,2-Dichloroethane-d4
Concen: 30.672 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 65 Resp: 95202
Ion Ratio Lower Upper
65 100
67 53.1 41.7 62.5

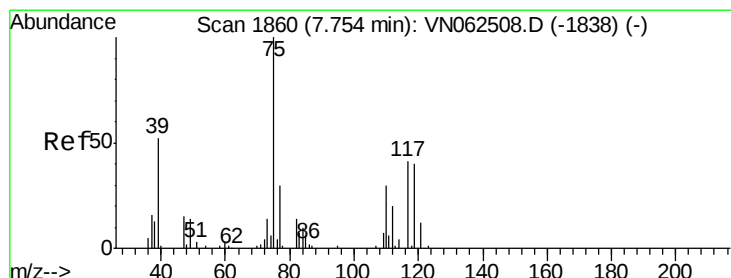
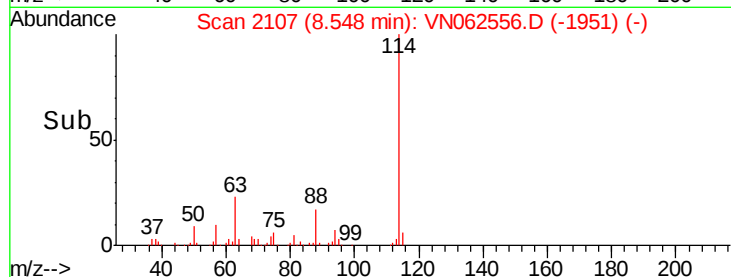
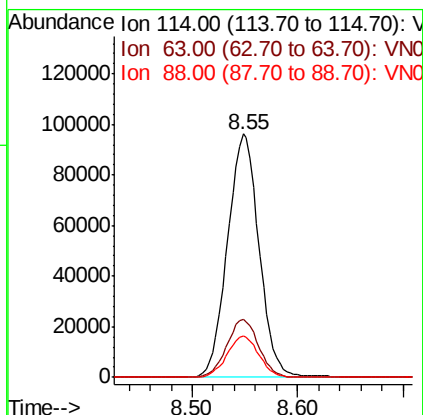
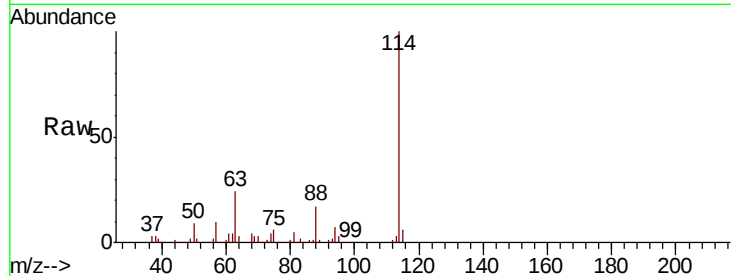




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

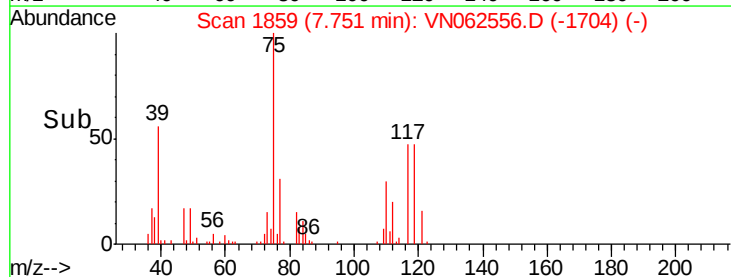
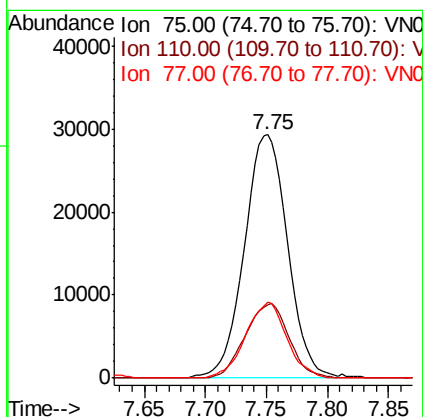
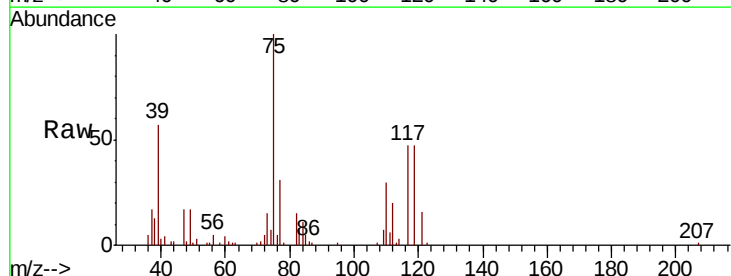
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

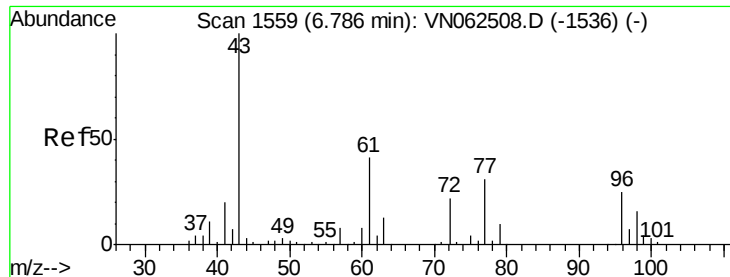
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	17.0	13.5	20.3



#29
 1,1-Dichloropropene
 Concen: 21.207 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	0.0	62.4
77	29.7	0.0	62.8

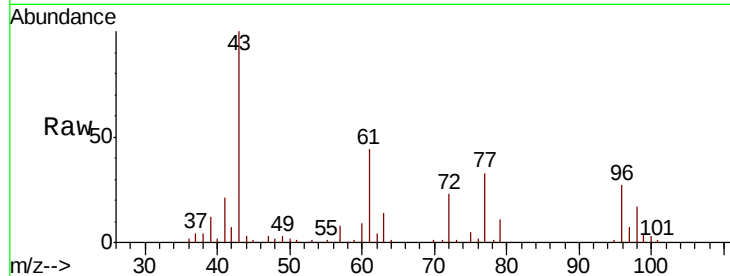




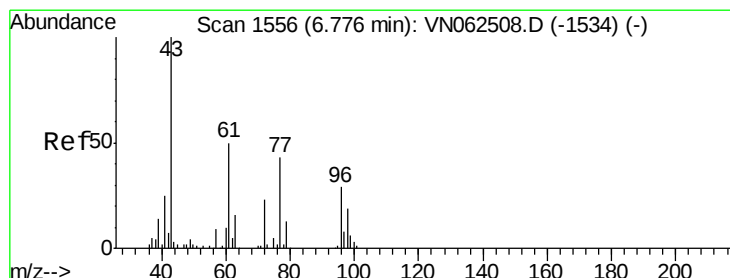
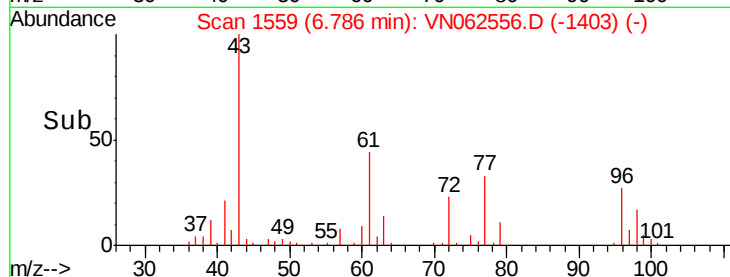
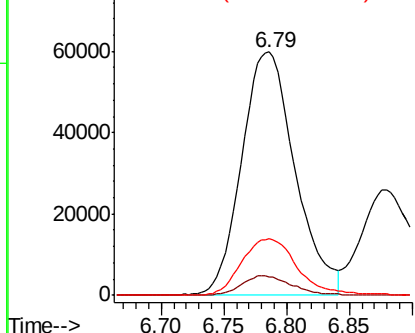
#30
2-Butanone
Concen: 98.240 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion: 43 Resp: 176352
Ion Ratio Lower Upper
43 100
57 7.7 6.6 9.8
72 24.2 18.5 27.7

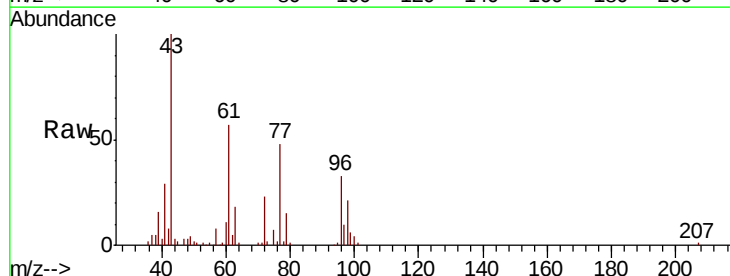


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

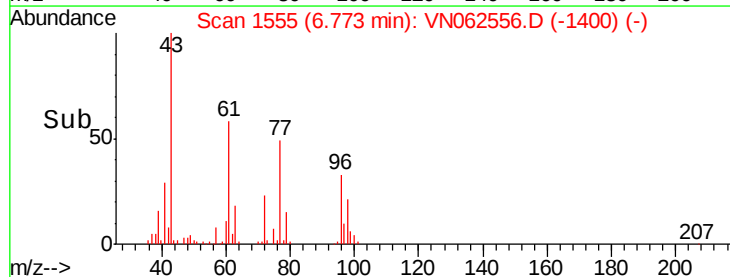
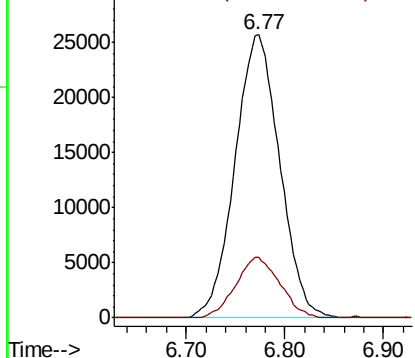


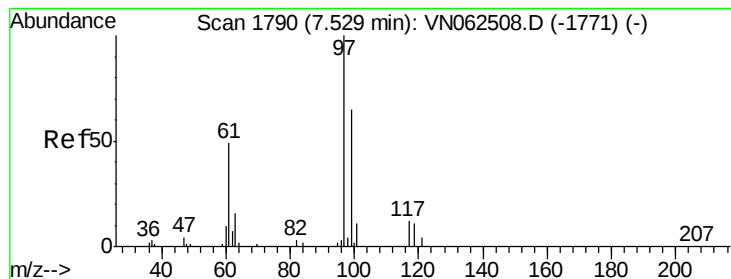
#31
2,2-Dichloropropane
Concen: 21.153 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 77 Resp: 80735
Ion Ratio Lower Upper
77 100
97 21.1 8.6 12.8#



Abundance Ion 77.00 (76.70 to 77.70): VN0
Ion 97.00 (96.70 to 97.70): VN0





#32

1,1,1-Trichloroethane

Concen: 21.916 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

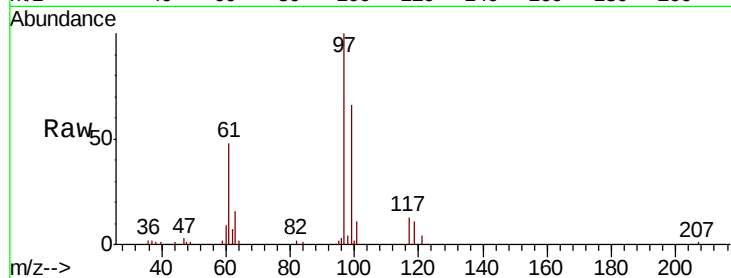
Tot Ion: 97 Resp: 79731

Ion Ratio Lower Upper

97 100

99 62.5 51.8 77.8

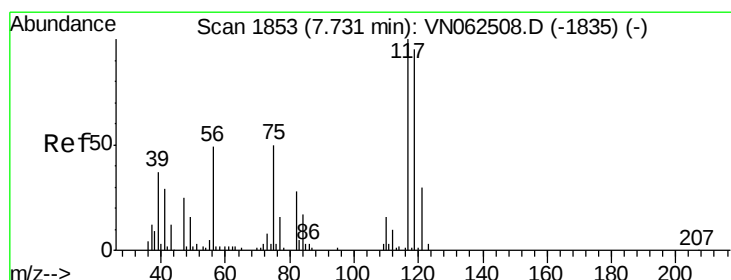
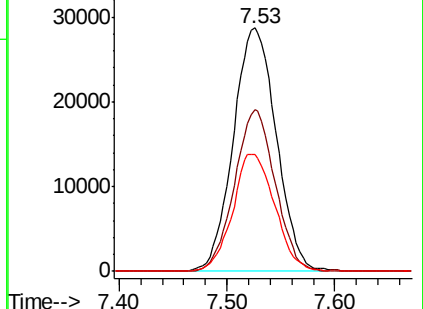
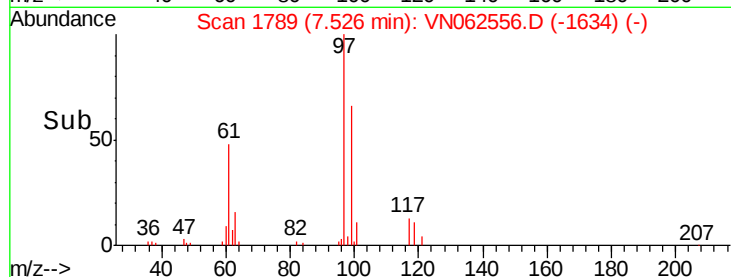
61 47.1 39.4 59.0



Abundance Ion 97.00 (96.70 to 97.70): VN062556.D (-1634) (-)

Ion 99.00 (98.70 to 99.70): VN062556.D (-1634) (-)

Ion 61.00 (60.70 to 61.70): VN062556.D (-1634) (-)



#33

Carbon Tetrachloride

Concen: 21.438 ug/l

RT: 7.73 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

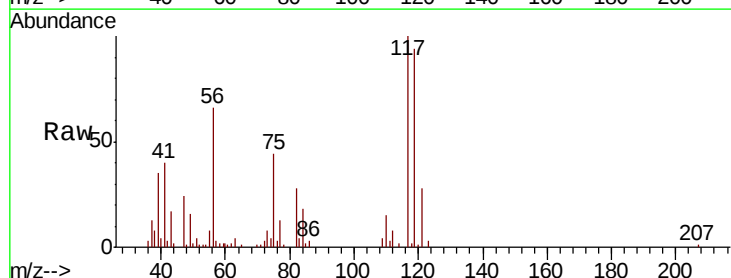
Tgt Ion: 117 Resp: 67608

Ion Ratio Lower Upper

117 100

119 93.8 76.2 114.4

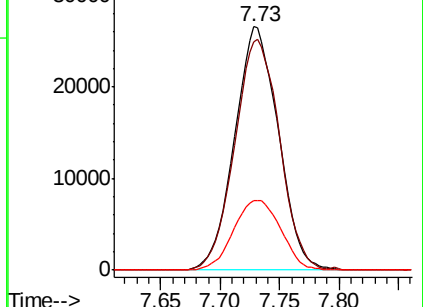
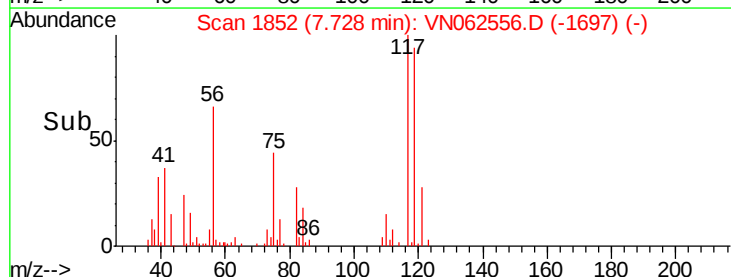
121 28.4 23.8 35.6

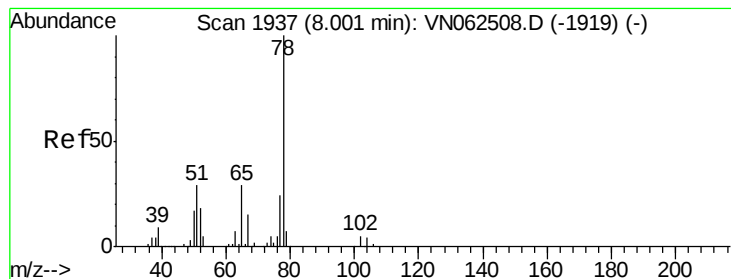


Abundance Ion 117.00 (116.70 to 117.70): VN062556.D (-1697) (-)

Ion 119.00 (118.70 to 119.70): VN062556.D (-1697) (-)

Ion 121.00 (120.70 to 121.70): VN062556.D (-1697) (-)





#34

Benzene

Concen: 20.996 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

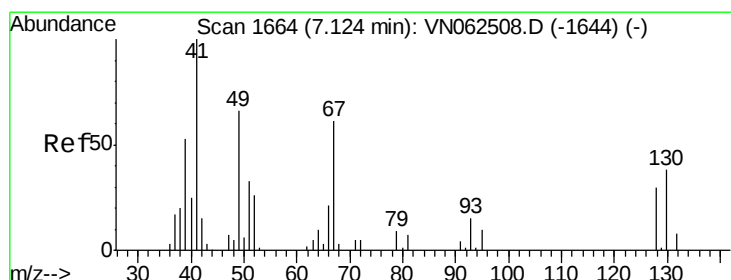
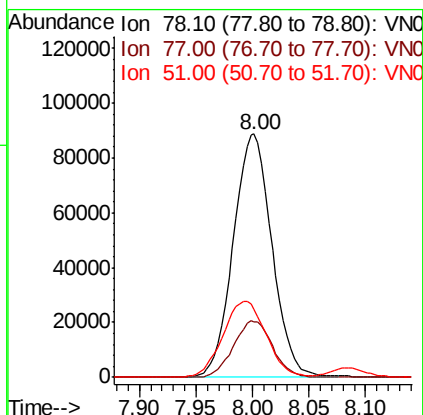
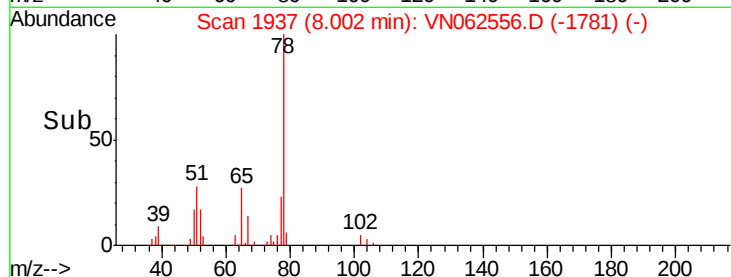
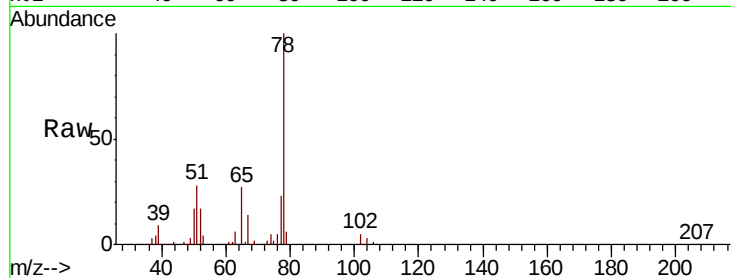
Tot Ion: 78 Resp: 211138

Ion Ratio Lower Upper

78 100

77 22.9 18.9 28.3

51 27.8 23.1 34.7



#35

Methacrylonitrile

Concen: 18.011 ug/l

RT: 7.12 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Tgt Ion: 41 Resp: 28401

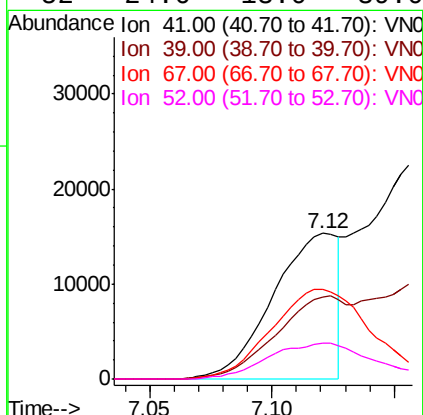
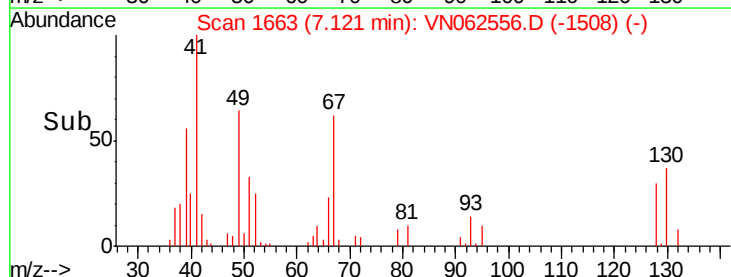
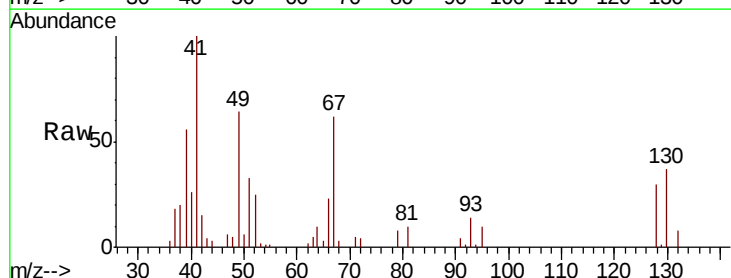
Ion Ratio Lower Upper

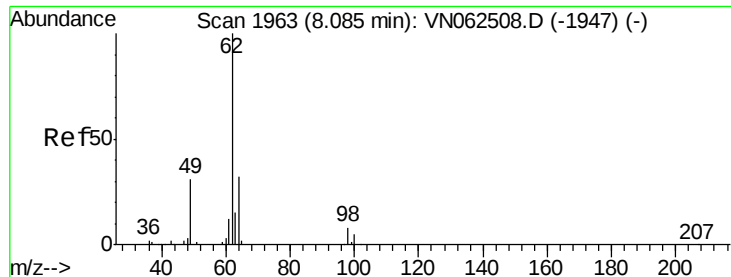
41 100

39 55.5 26.5 79.5

67 61.9 30.7 92.1

52 24.6 13.0 39.0





#36

1,2-Dichloroethane

Concen: 21.444 ug/l

RT: 8.08 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

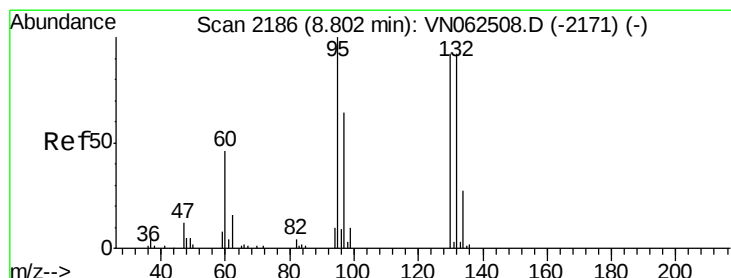
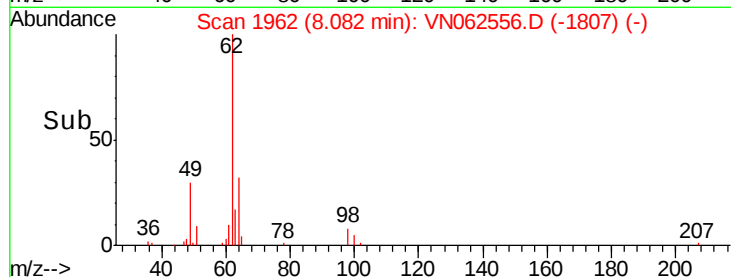
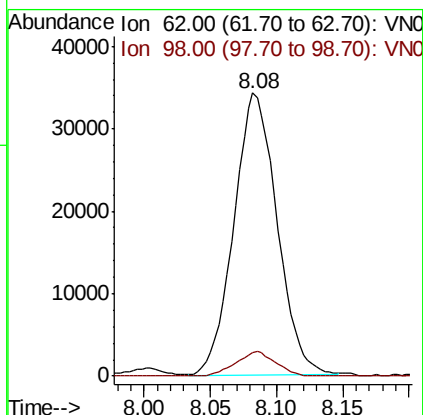
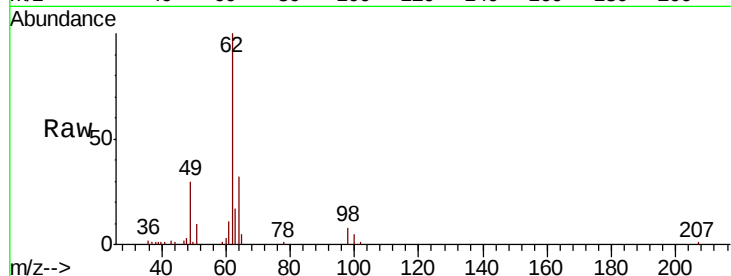
VN0720WBS01

Tot Ion: 62 Resp: 77504

Ion Ratio Lower Upper

62 100

98 8.1 6.6 9.8



#37

Trichloroethene

Concen: 21.141 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062556.D

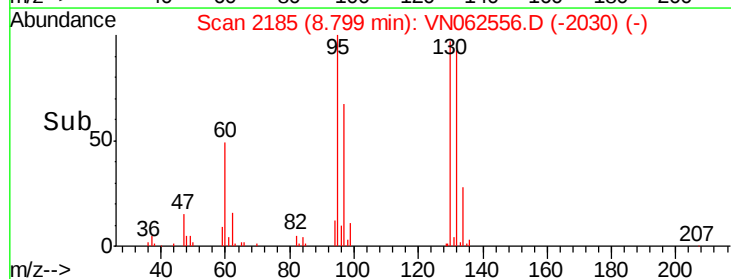
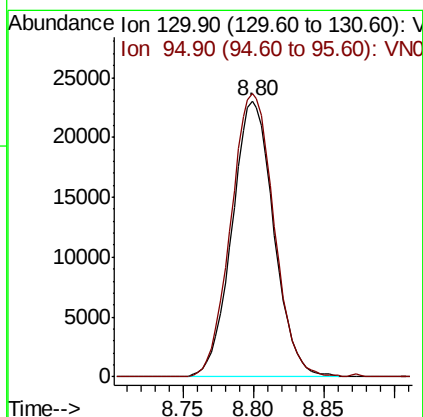
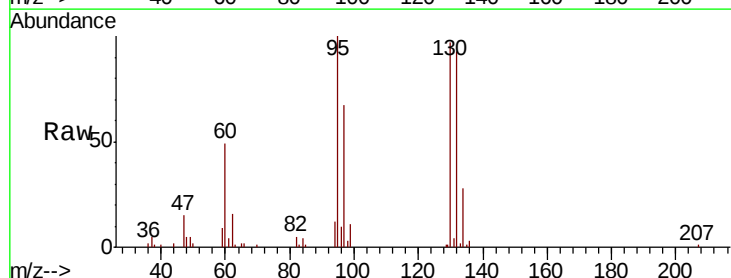
Acq: 20 Jul 2020 12:46

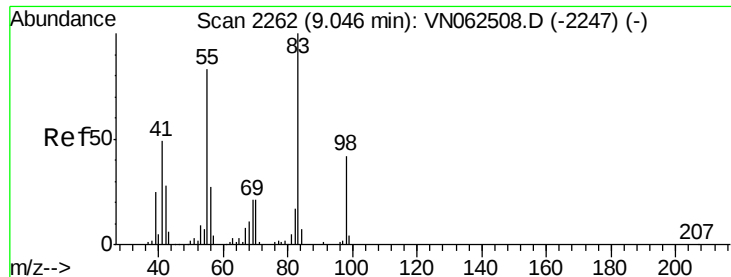
Tgt Ion:130 Resp: 47753

Ion Ratio Lower Upper

130 100

95 102.6 86.5 129.7

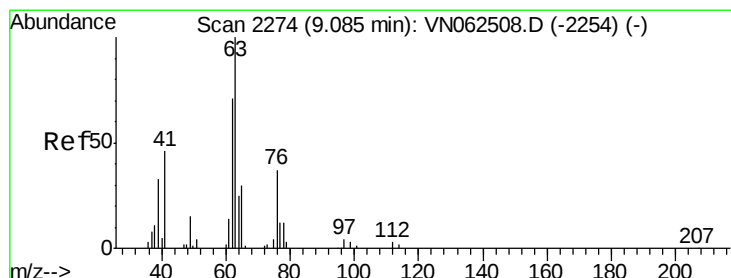
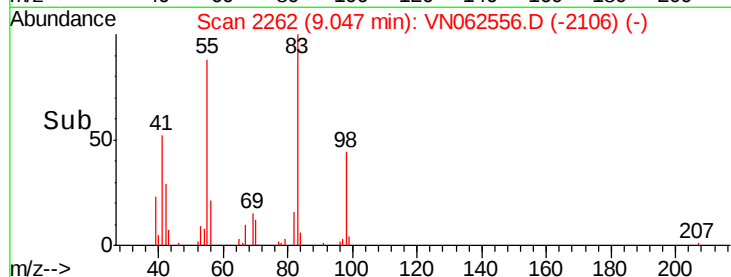
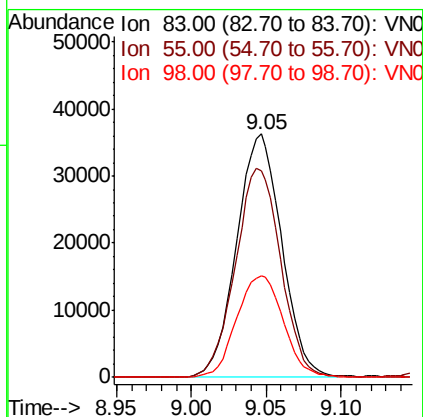
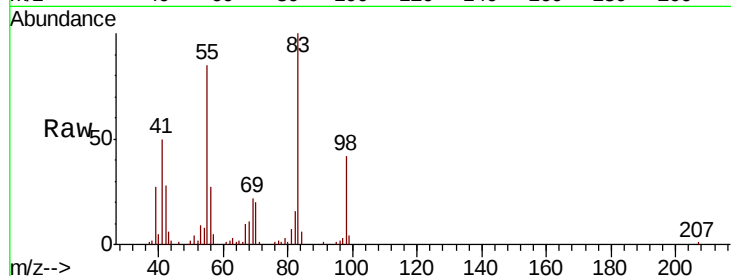




#38
Methvlcvclohexane
Concen: 20.048 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

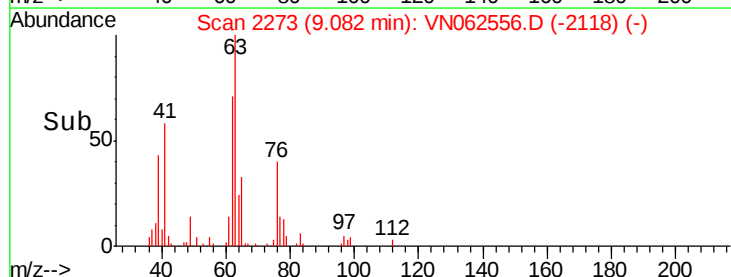
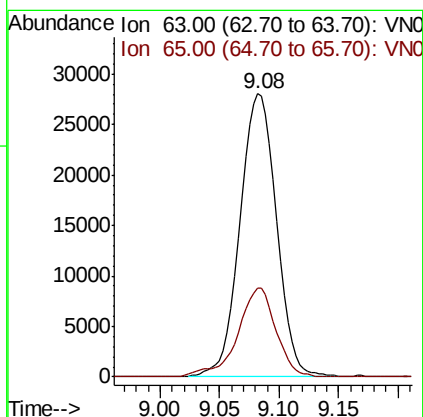
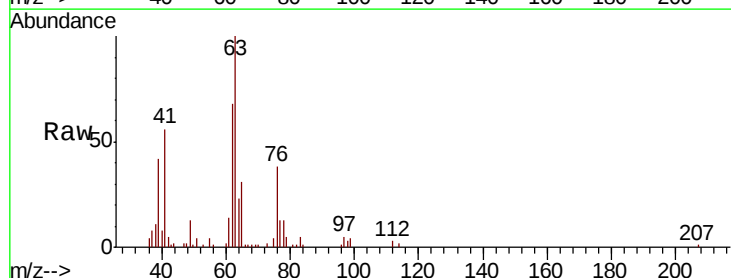
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

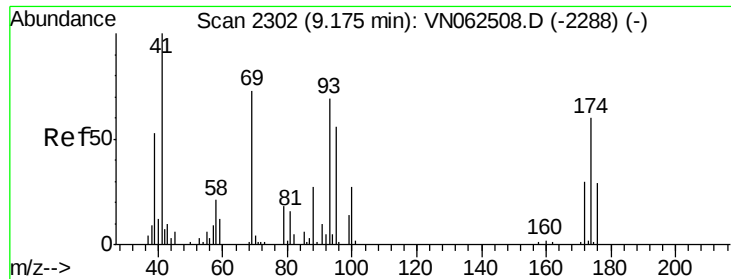
Tot Ion: 83 Resp: 76124
Ion Ratio Lower Upper
83 100
55 86.2 42.8 128.3
98 43.0 21.9 65.7



#39
1,2-Dichloropropane
Concen: 20.860 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 63 Resp: 59761
Ion Ratio Lower Upper
63 100
65 31.2 24.2 36.4

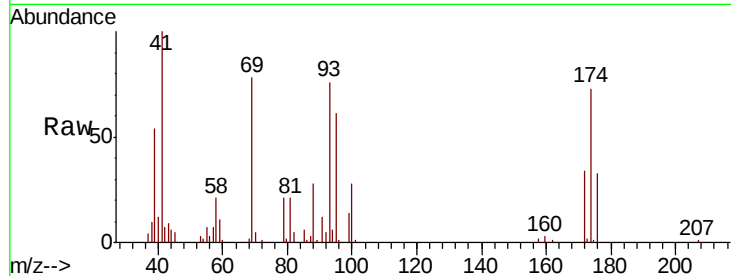




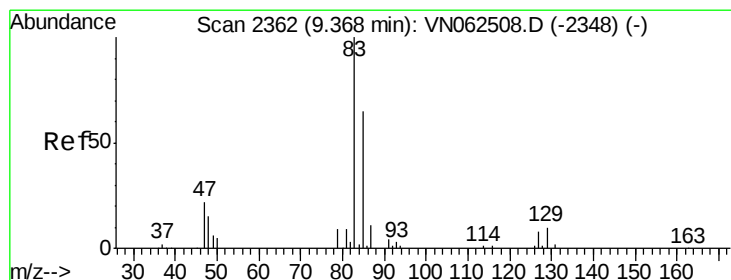
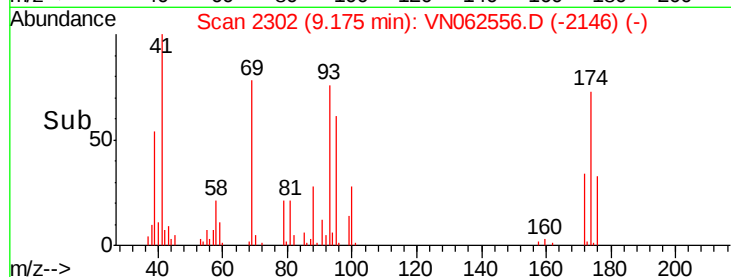
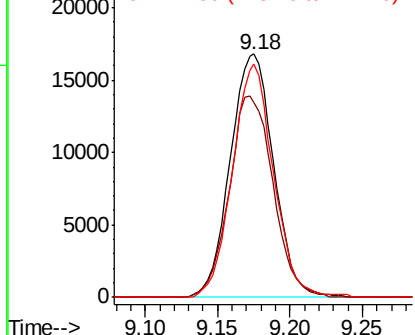
#40
Dibromomethane
Concen: 21.228 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion: 93 Resp: 35048
Ion Ratio Lower Upper
93 100
95 83.3 0.0 161.2
174 90.3 0.0 178.0

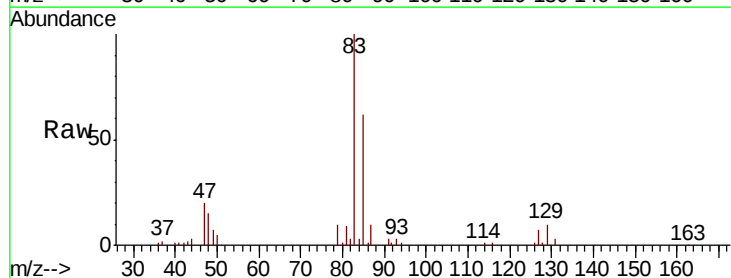


Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V

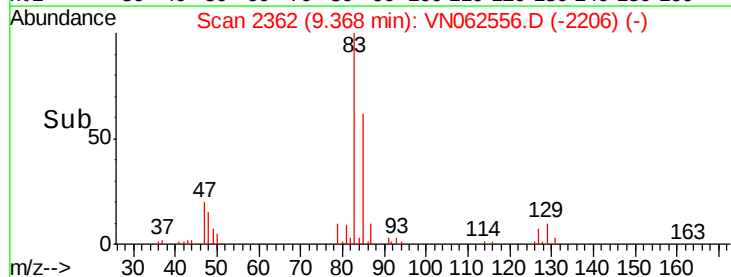
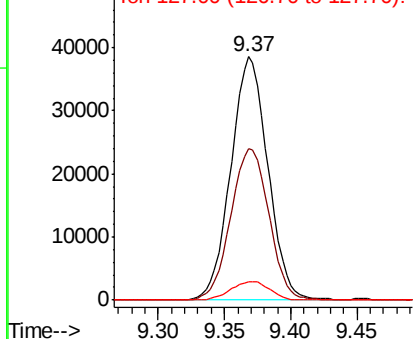


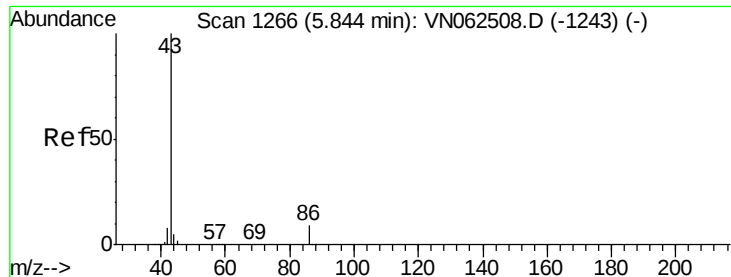
#41
Bromodichloromethane
Concen: 21.392 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 83 Resp: 74912
Ion Ratio Lower Upper
83 100
85 62.3 51.6 77.4
127 7.4 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): V





#42

Vinyl Acetate

Concen: 102.225 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

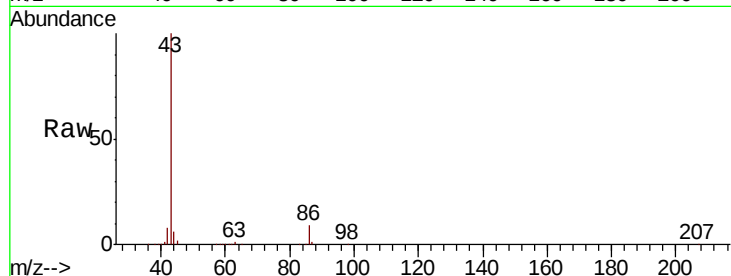
VN0720WBS01

Tot Ion: 43 Resp: 762551

Ion Ratio Lower Upper

43 100

86 7.7 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

250000

200000

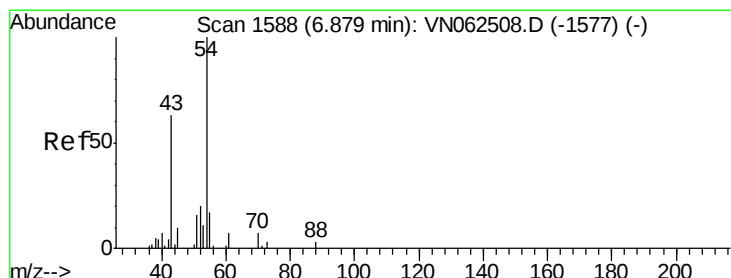
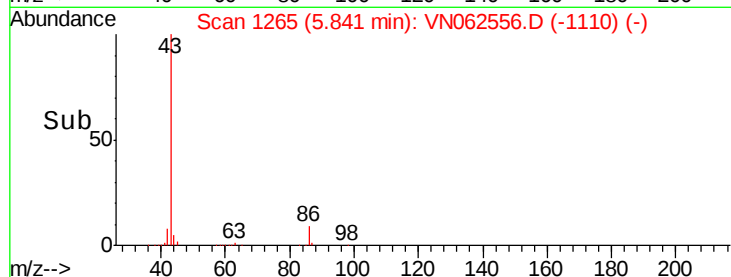
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00



#43

Ethyl Acetate

Concen: 21.070 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VN062556.D

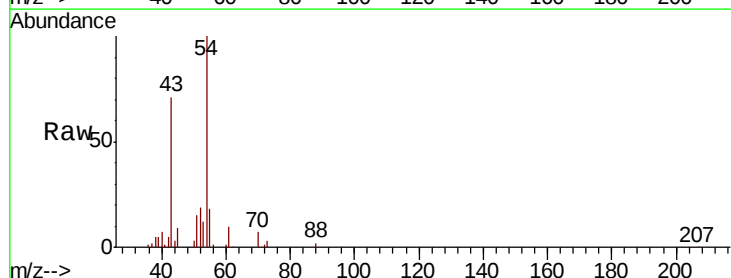
Acq: 20 Jul 2020 12:46

Tgt Ion: 43 Resp: 76041

Ion Ratio Lower Upper

43 100

45 12.2 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

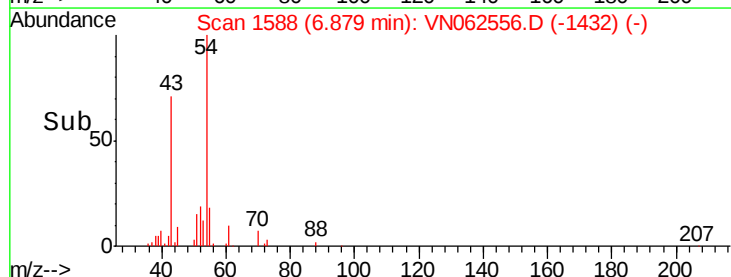
60000

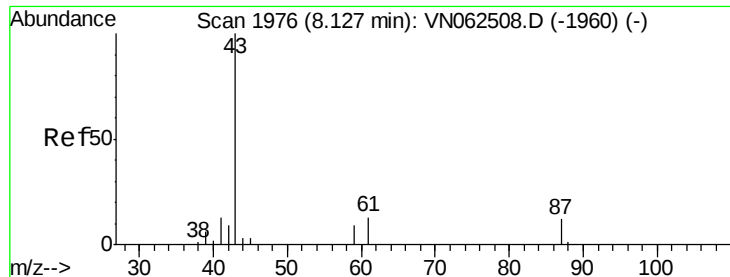
40000

20000

0

Time--> 6.80 6.90 7.00





#44

Isopropyl Acetate

Concen: 20.043 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

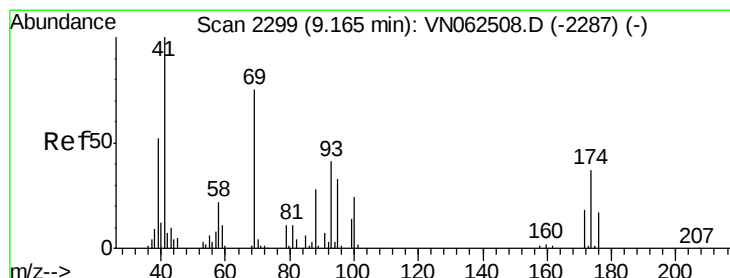
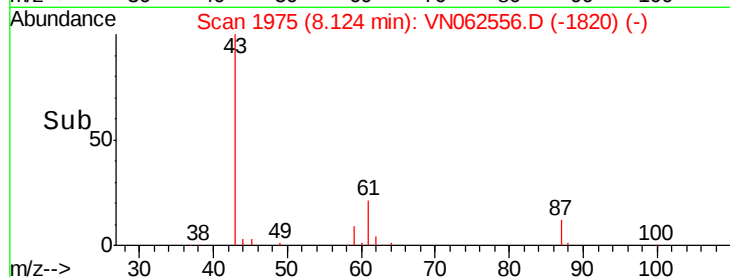
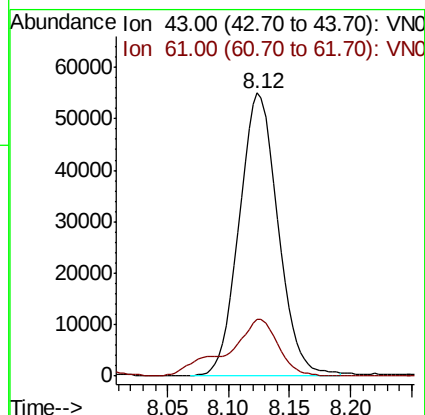
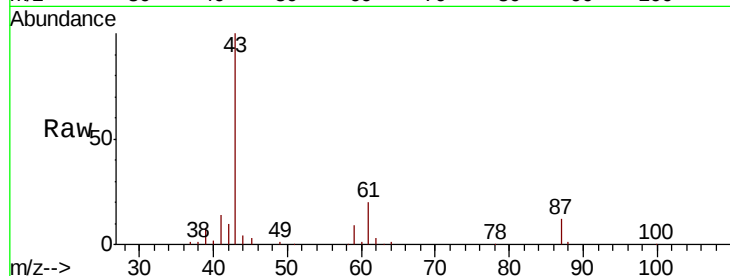
VN0720WBS01

Tot Ion: 43 Resp: 121363

Ion Ratio Lower Upper

43 100

61 19.7 14.7 22.1



#45

1,4-Dioxane

Concen: 409.958 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

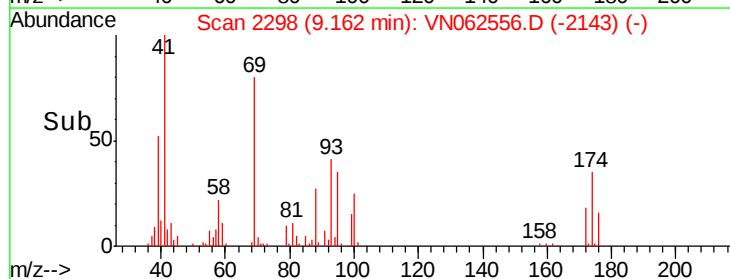
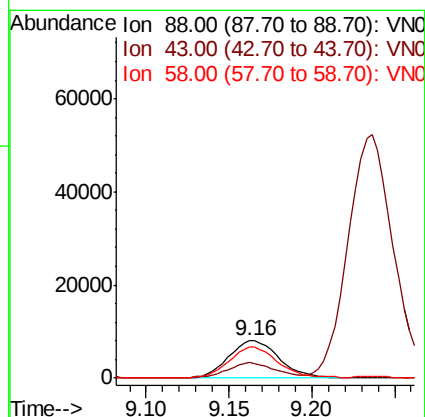
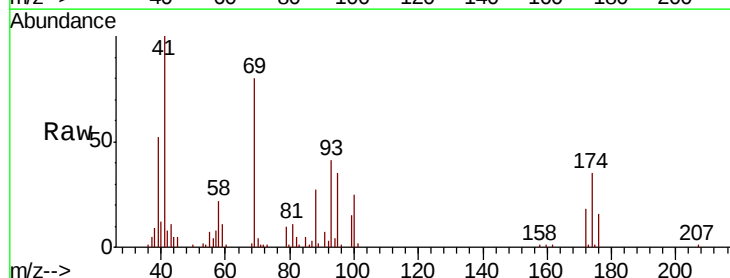
Tgt Ion: 88 Resp: 16981

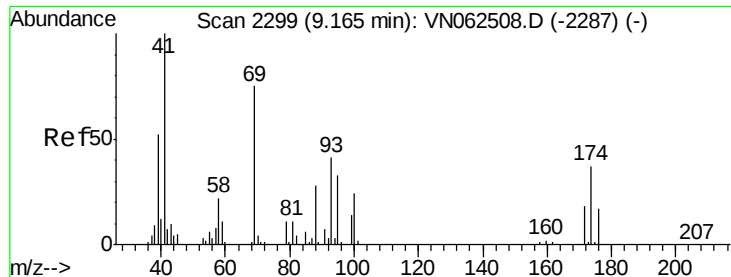
Ion Ratio Lower Upper

88 100

43 38.4 29.2 43.8

58 80.7 62.2 93.4

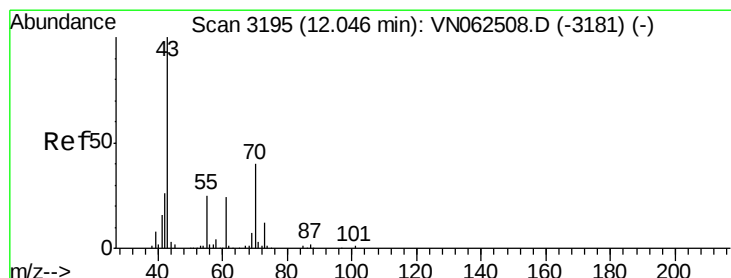
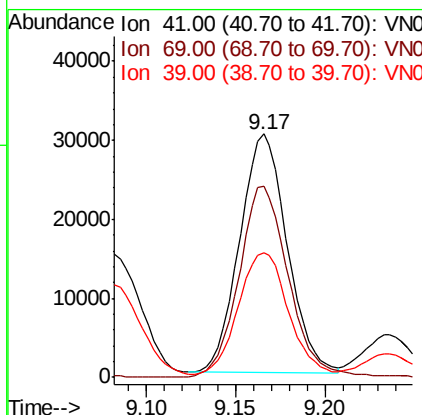
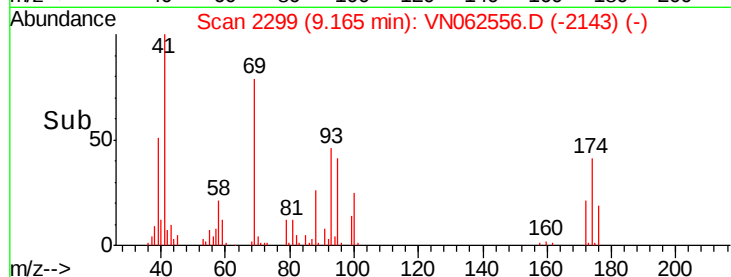
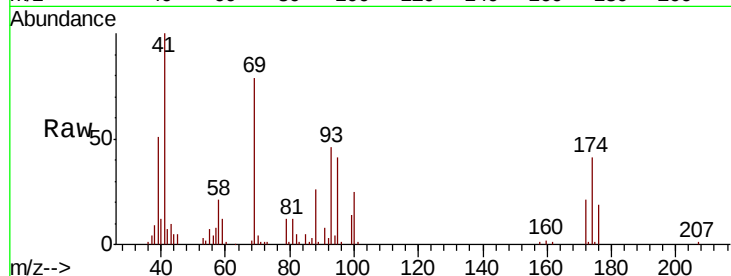




#46
Methvl methacrylate
Concen: 19.593 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

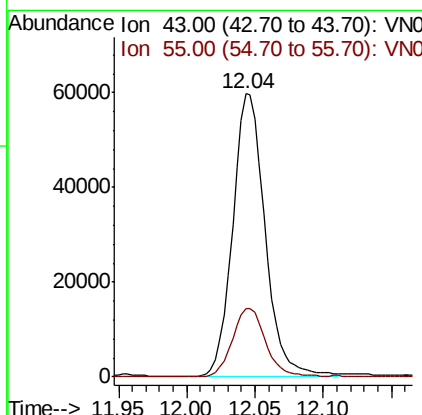
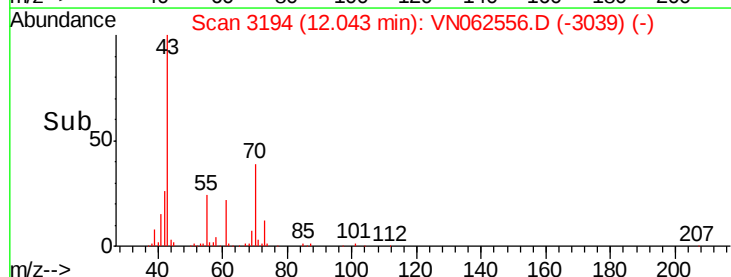
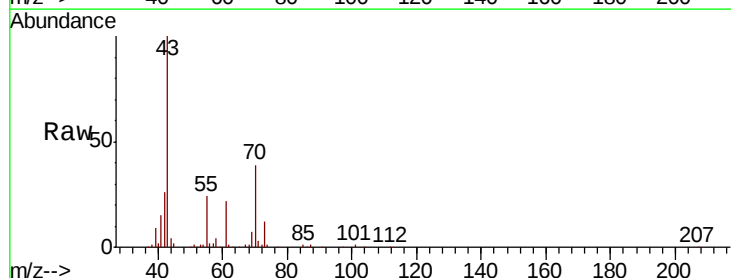
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

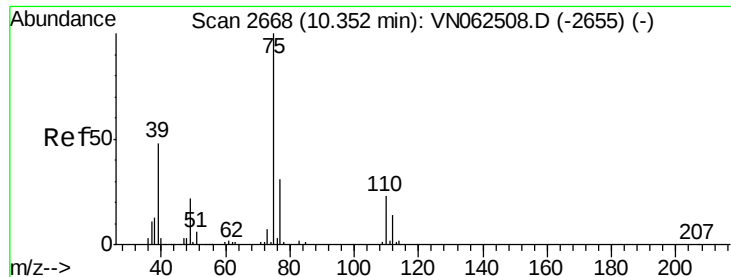
Tot Ion: 41 Resp: 56283
Ion Ratio Lower Upper
41 100
69 80.2 37.4 112.2
39 51.2 25.9 77.6



#47
n-amy1 Acetate
Concen: 19.356 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 43 Resp: 98799
Ion Ratio Lower Upper
43 100
55 24.9 20.4 30.6





#48

t-1,3-Dichloropropene

Concen: 20.436 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

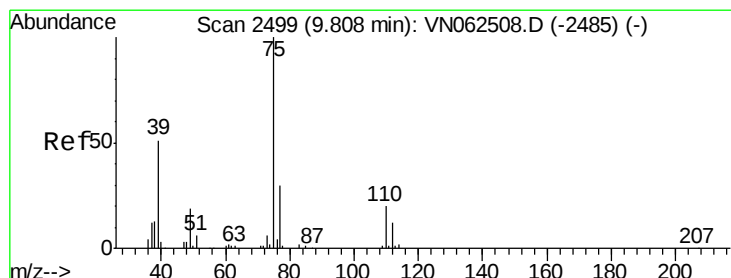
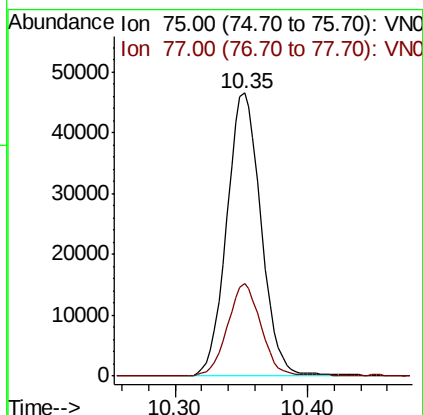
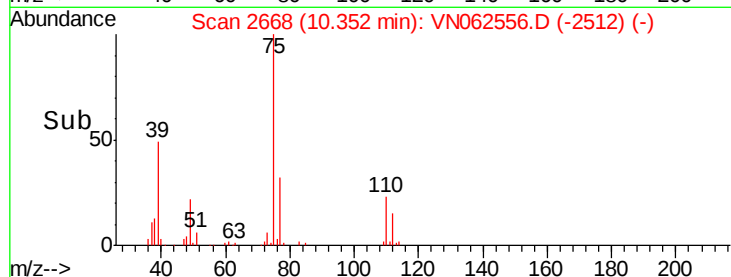
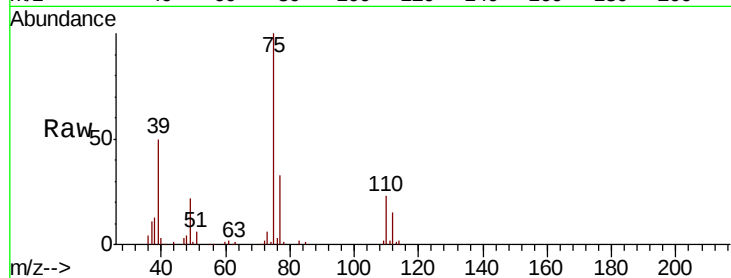
VN0720WBS01

Tot Ion: 75 Resp: 83472

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4



#49

cis-1,3-Dichloropropene

Concen: 20.884 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

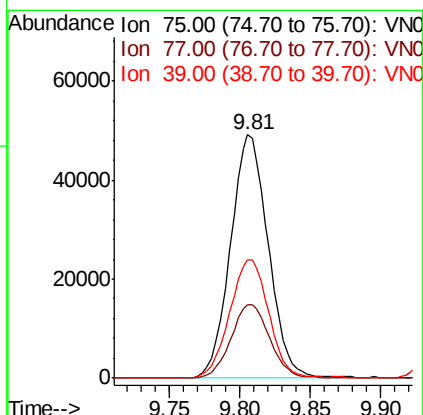
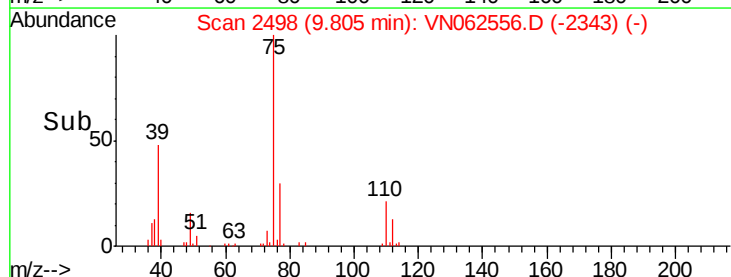
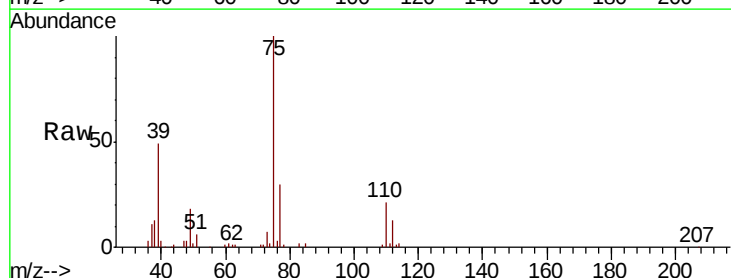
Tgt Ion: 75 Resp: 92080

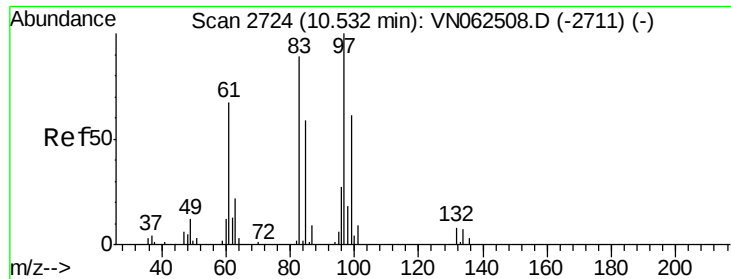
Ion Ratio Lower Upper

75 100

77 30.2 23.7 35.5

39 48.8 40.5 60.7

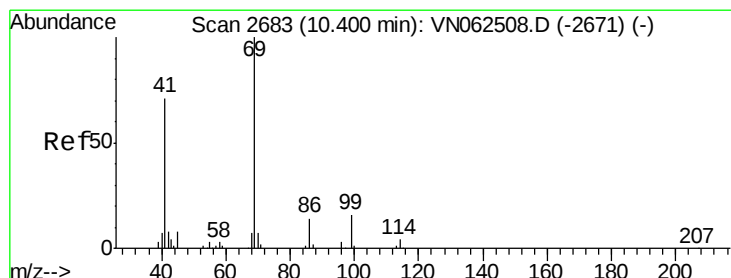
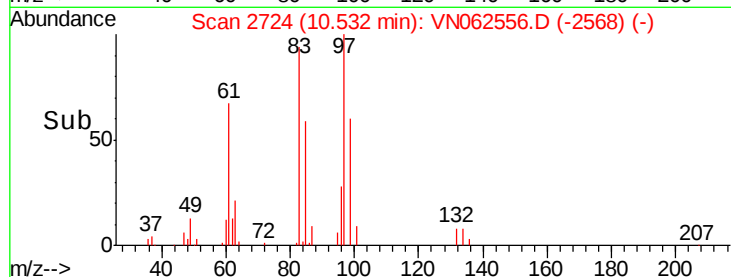
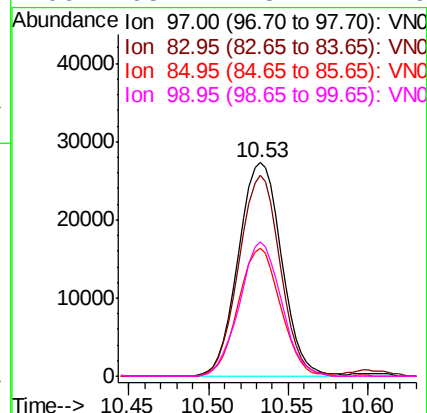
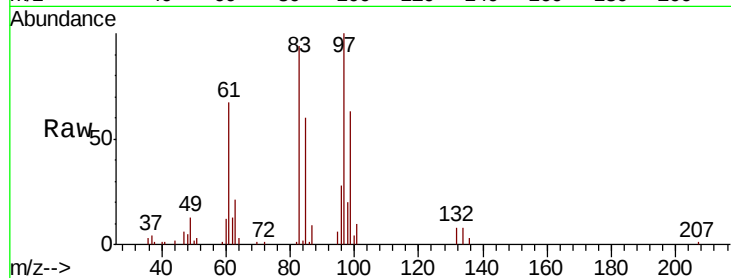




#50
 1,1,2-Trichloroethane
 Concen: 21.792 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

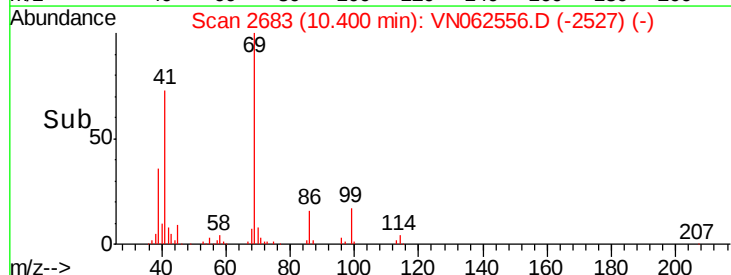
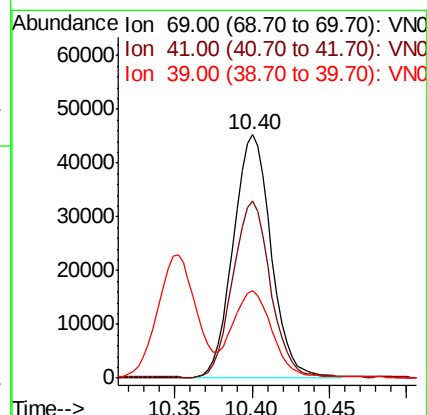
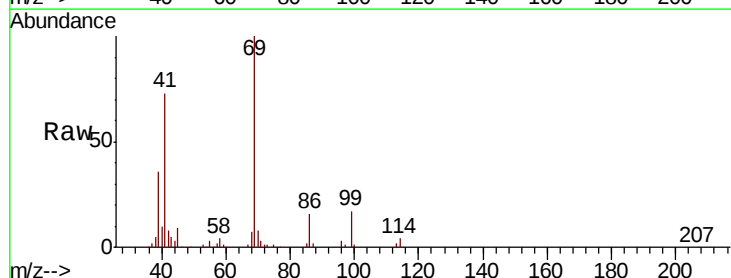
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

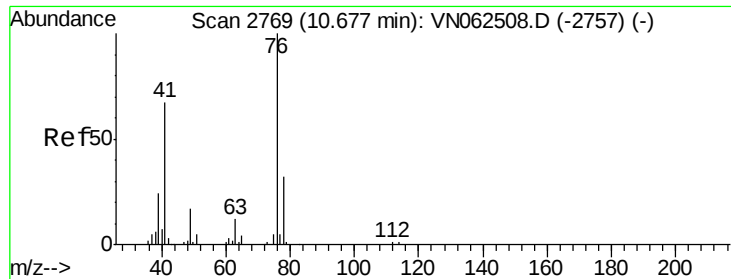
Tot Ion: 97 Resp: 50434
 Ion Ratio Lower Upper
 97 100
 83 93.9 71.3 106.9
 85 59.9 47.2 70.8
 99 63.2 48.4 72.6



#51
 Ethyl methacrylate
 Concen: 19.812 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion: 69 Resp: 77199
 Ion Ratio Lower Upper
 69 100
 41 72.3 35.6 106.8
 39 35.2 17.2 51.5

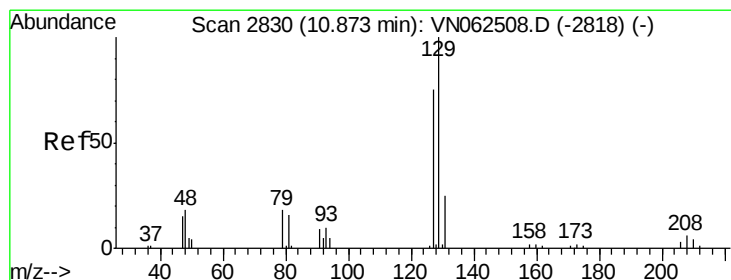
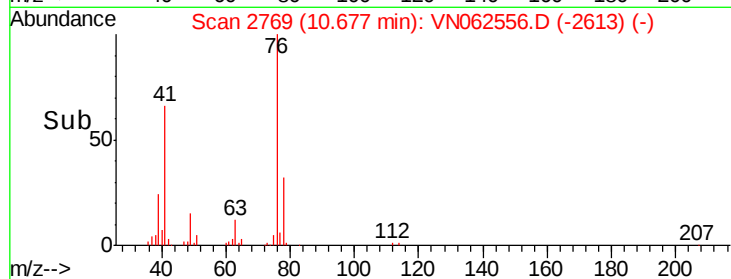
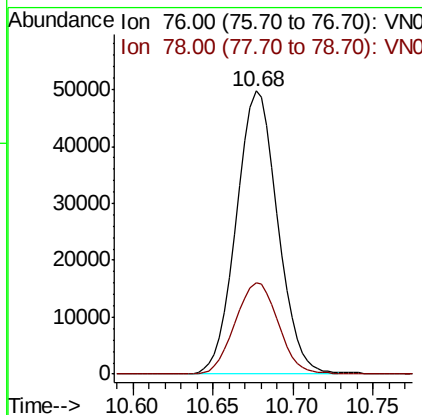
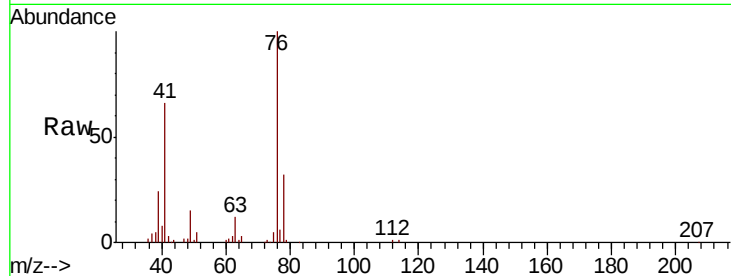




#52
 1,3-Dichloropropane
 Concen: 20.682 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

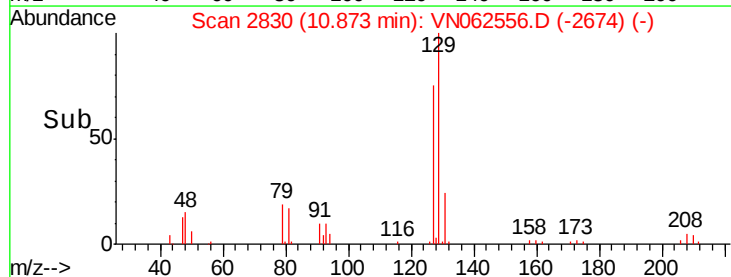
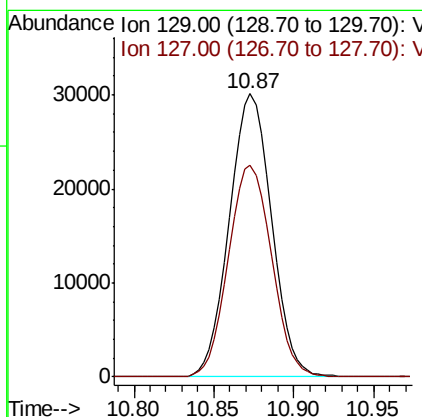
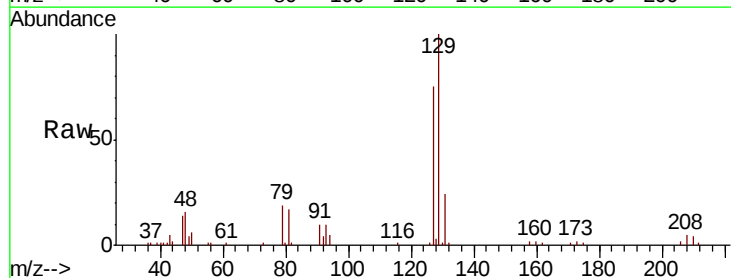
Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS01

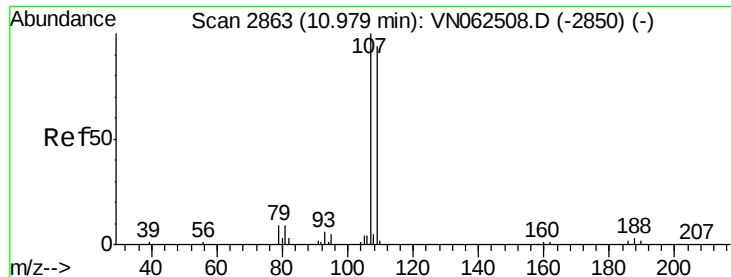
Tot Ion: 76 Resp: 87846
 Ion Ratio Lower Upper
 76 100
 78 33.6 0.0 63.6



#53
 Dibromochloromethane
 Concen: 21.553 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion: 129 Resp: 54346
 Ion Ratio Lower Upper
 129 100
 127 76.6 38.1 114.5

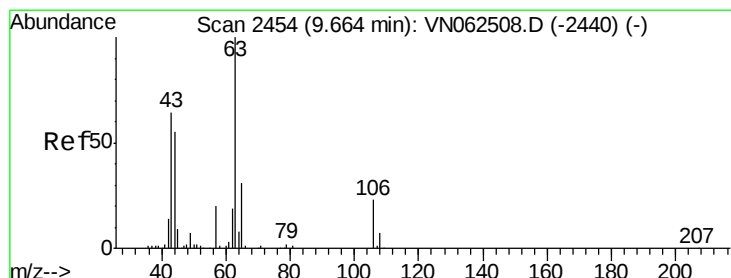
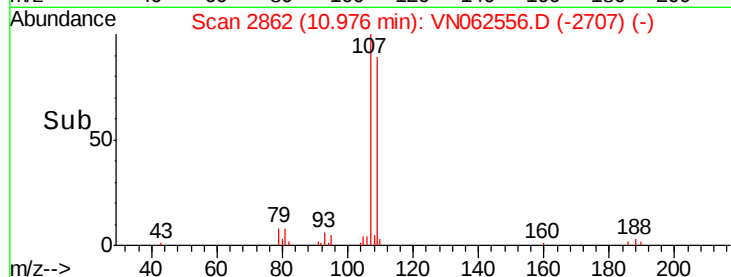
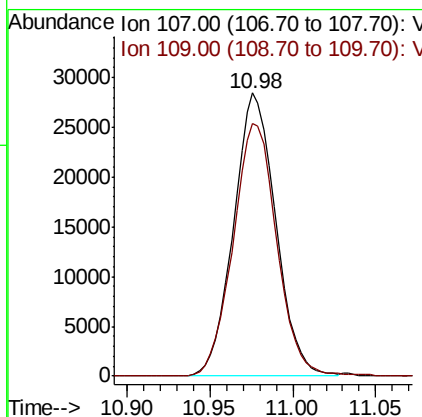
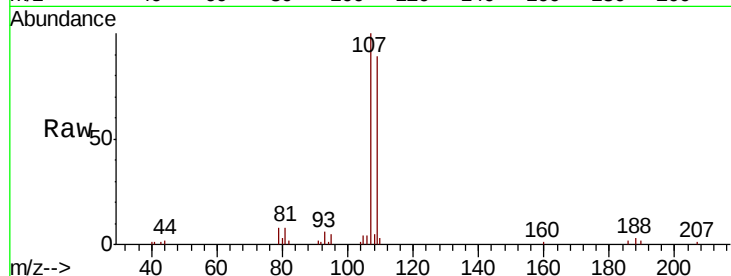




#54
 1,2-Dibromoethane
 Concen: 21.252 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

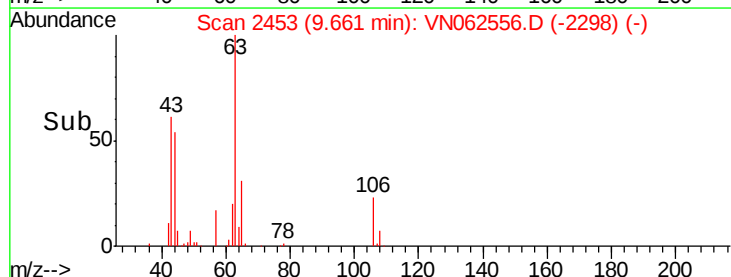
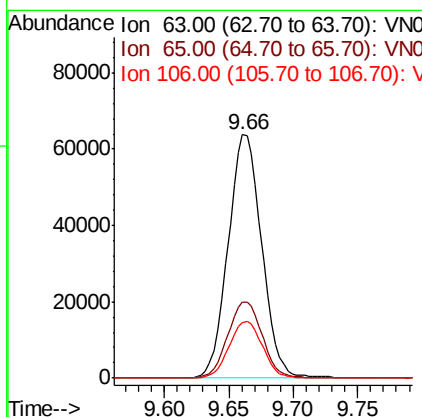
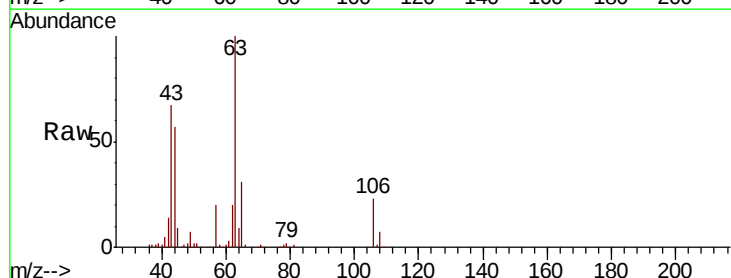
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

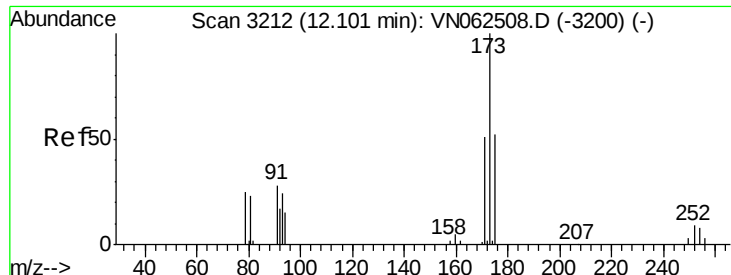
Tot Ion:107 Resp: 50342
 Ion Ratio Lower Upper
 107 100
 109 92.2 74.8 112.2



#55
 2-Chloroethyl vinyl ether
 Concen: 92.713 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion: 63 Resp: 115383
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.2
 106 23.2 18.4 27.6

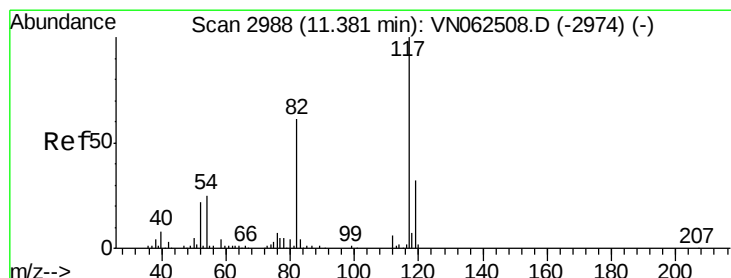
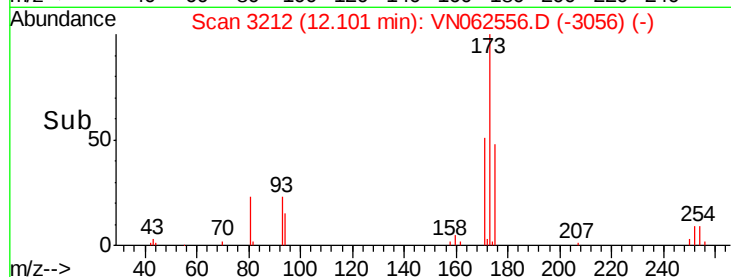
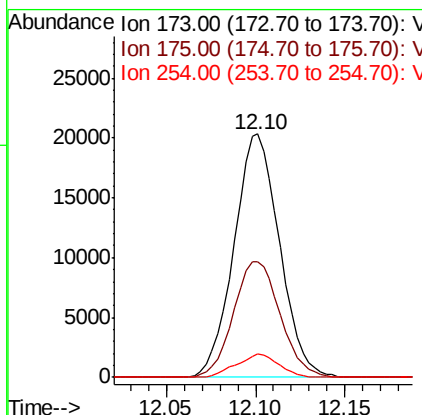
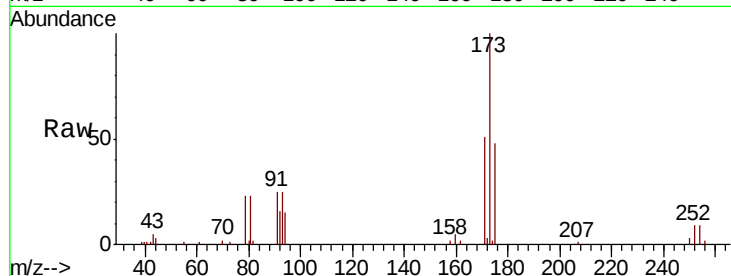




#56
Bromoform
Concen: 21.025 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

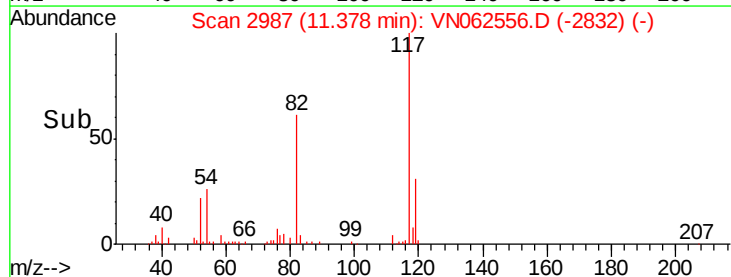
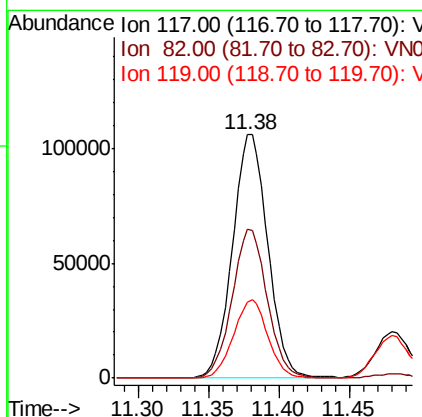
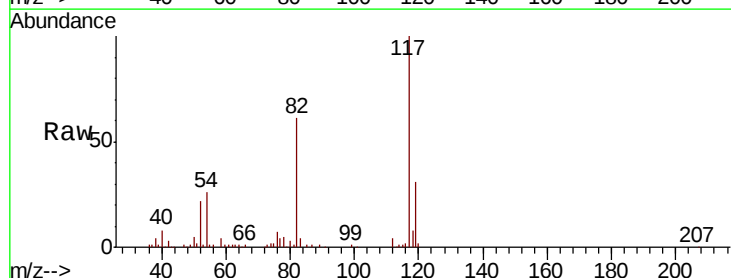
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

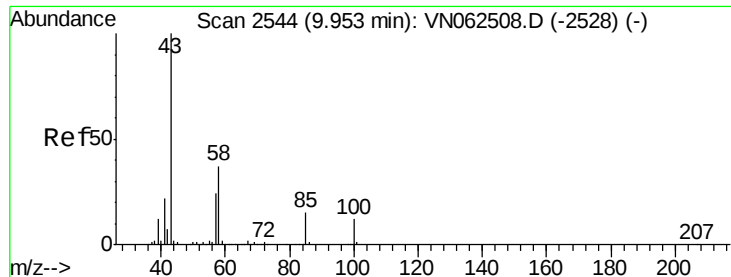
Tot Ion:173 Resp: 36210
Ion Ratio Lower Upper
173 100
175 48.8 38.1 57.1
254 8.8 6.2 9.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion:117 Resp: 186455
Ion Ratio Lower Upper
117 100
82 60.6 49.0 73.6
119 31.4 25.6 38.4

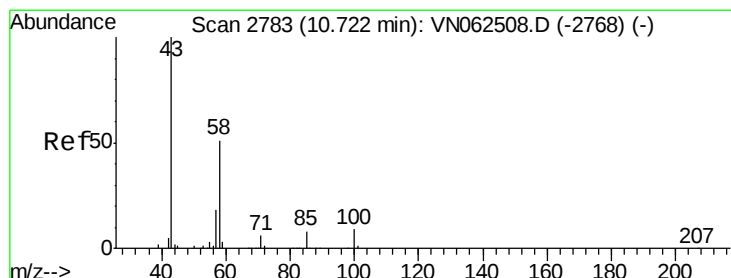
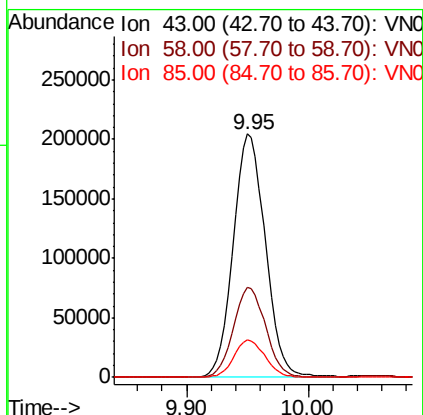
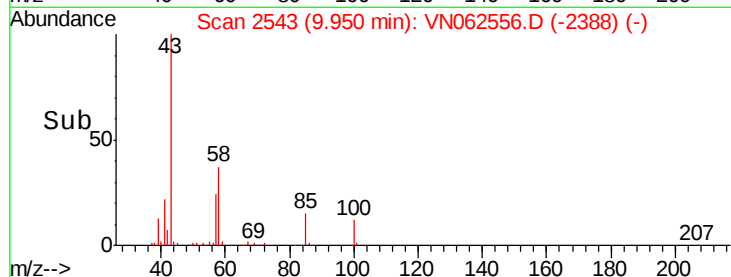
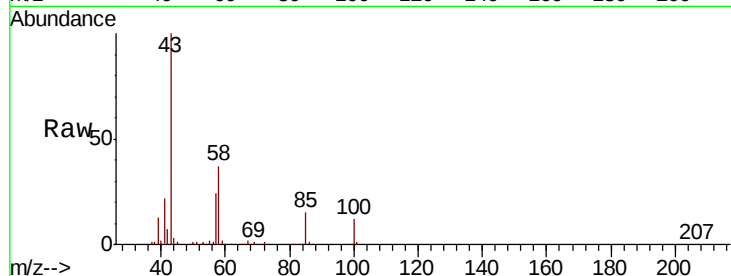




#58
 4-Methyl-2-Pentanone
 Concen: 103.053 ug/l
 RT: 9.95 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

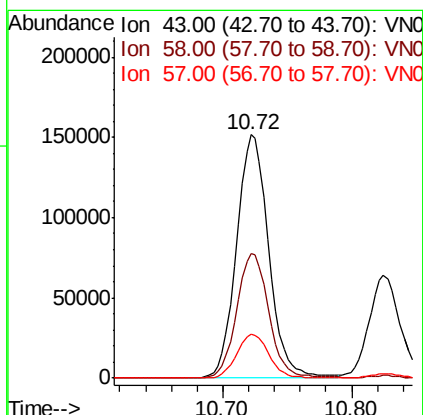
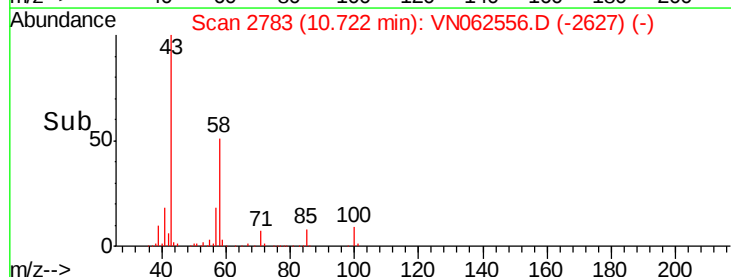
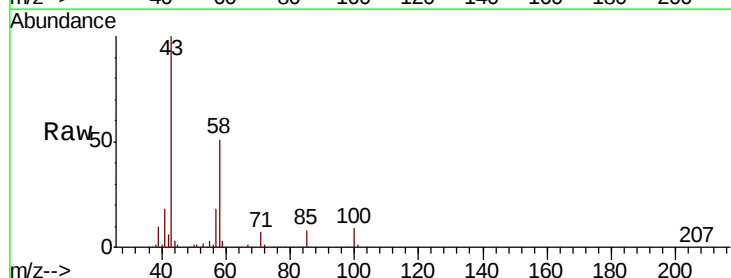
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0720WBS01

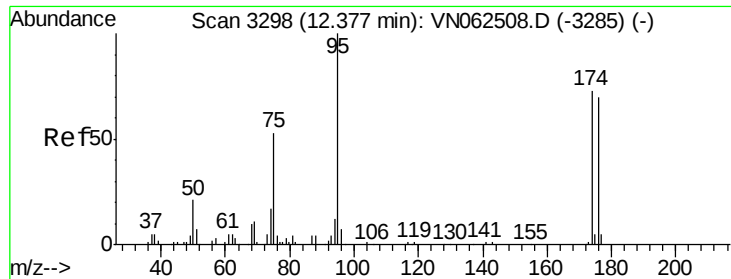
Tot Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.6	44.4
85	15.1	12.0	18.0



#59
 2-Hexanone
 Concen: 98.791 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.4	41.2	61.8
57	18.1	14.4	21.6

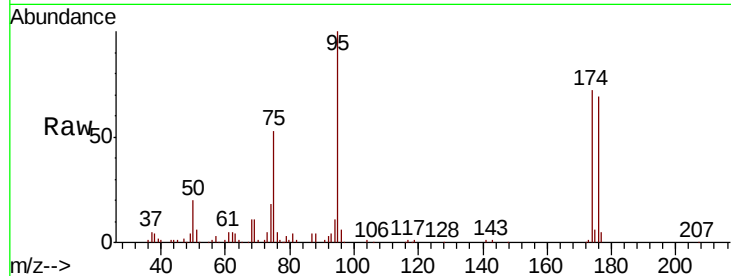




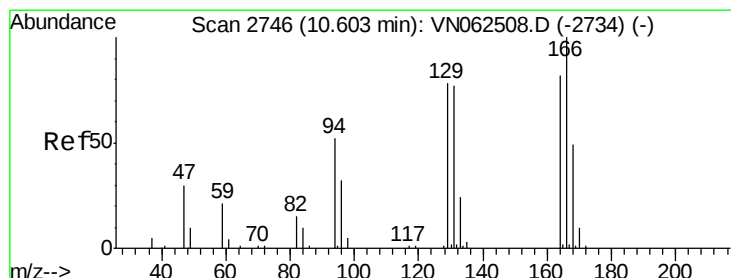
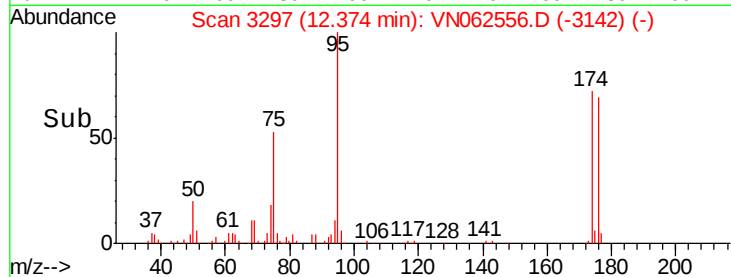
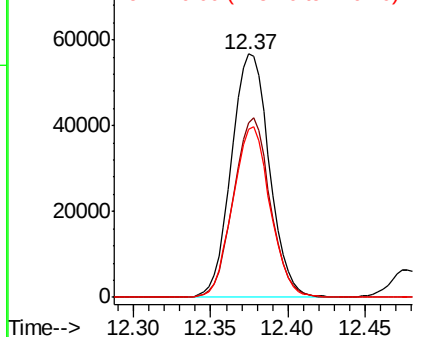
#60
4-Bromofluorobenzene
Concen: 30.507 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion: 95 Resp: 96799
Ion Ratio Lower Upper
95 100
174 71.7 57.5 86.3
176 69.0 56.3 84.5

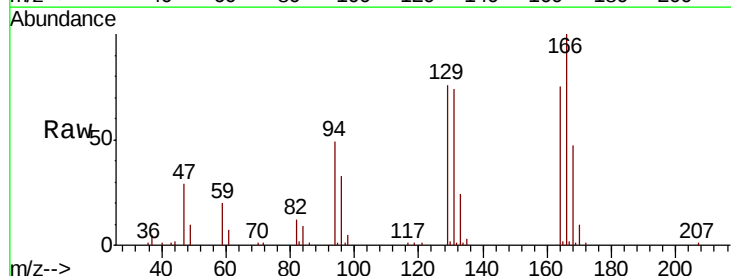


Abundance Ion 95.00 (94.70 to 95.70): VN062508.D (-3285) (-)
Ion 174.00 (173.70 to 174.70): VN062508.D (-3285) (-)
Ion 176.00 (175.70 to 176.70): VN062508.D (-3285) (-)

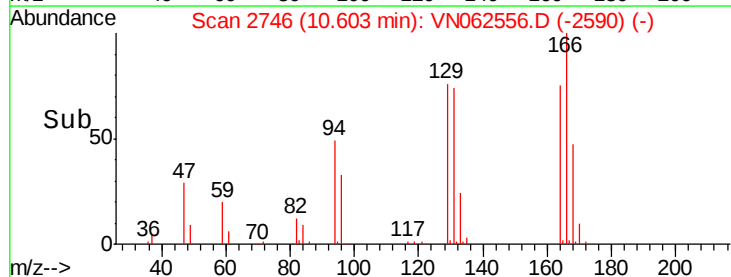
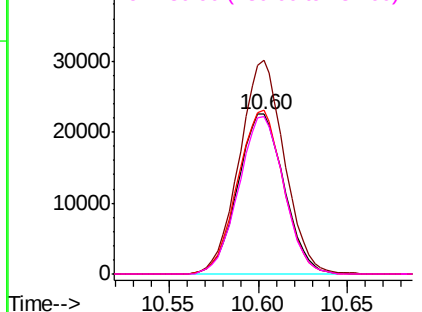


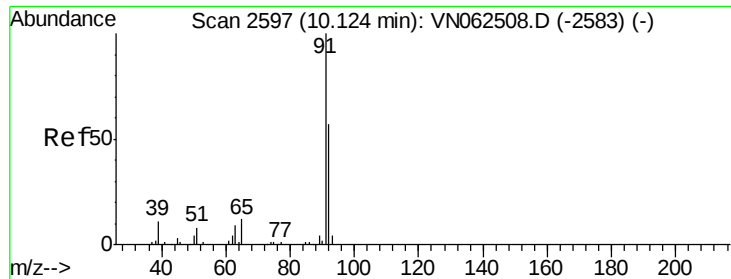
#61
Tetrachloroethene
Concen: 21.443 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion: 164 Resp: 40944
Ion Ratio Lower Upper
164 100
166 133.8 97.7 146.5
129 102.3 77.0 115.4
131 99.0 75.0 112.6



Abundance Ion 163.85 (163.55 to 164.55): VN062508.D (-2734) (-)
Ion 165.80 (165.50 to 166.50): VN062508.D (-2734) (-)
Ion 128.90 (128.60 to 129.60): VN062508.D (-2734) (-)
Ion 130.90 (130.60 to 131.60): VN062508.D (-2734) (-)





#62

Toluene

Concen: 21.028 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

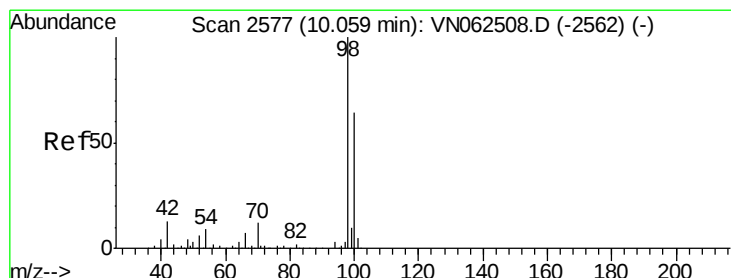
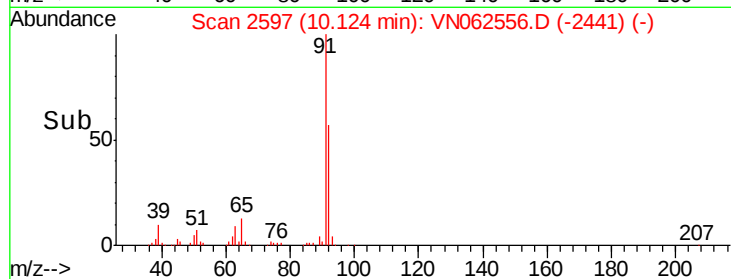
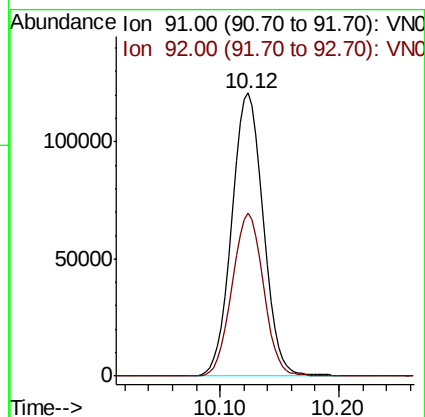
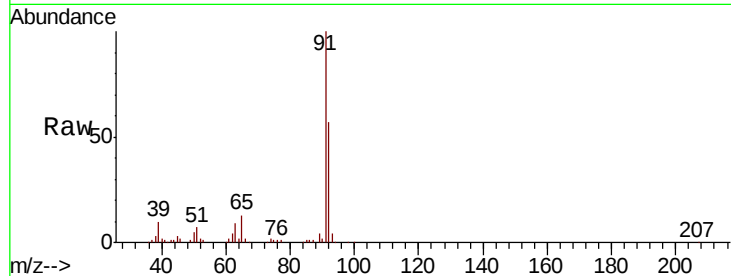
VN0720WBS01

Tot Ion: 91 Resp: 222423

Ion Ratio Lower Upper

91 100

92 57.1 45.8 68.6



#63

Toluene-d8

Concen: 30.056 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062556.D

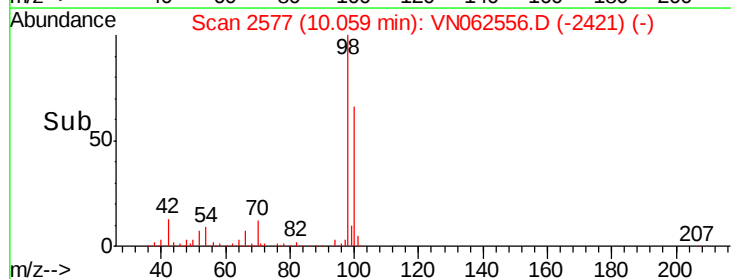
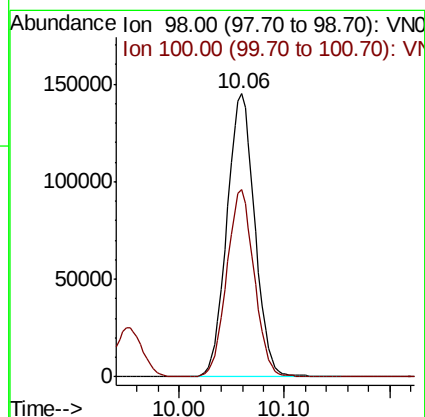
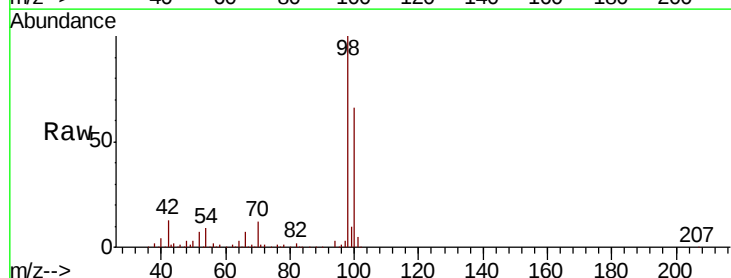
Acq: 20 Jul 2020 12:46

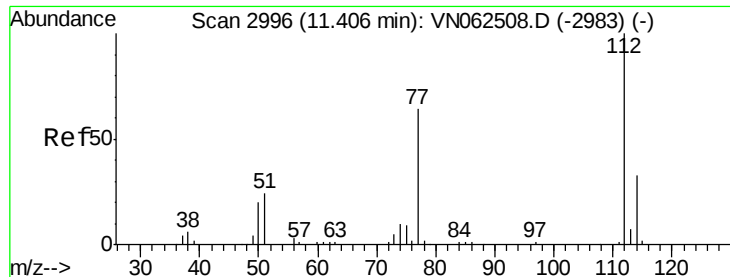
Tgt Ion: 98 Resp: 264811

Ion Ratio Lower Upper

98 100

100 65.5 50.4 75.6

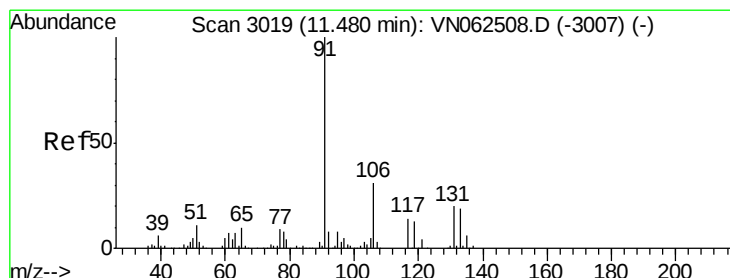
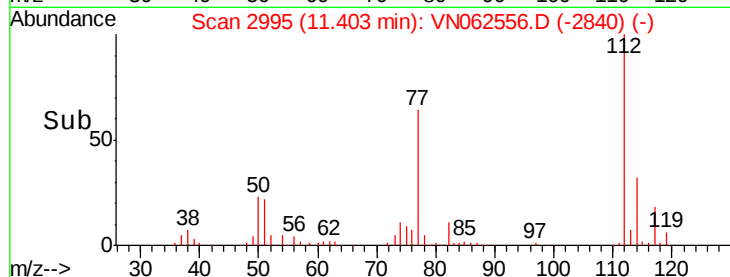
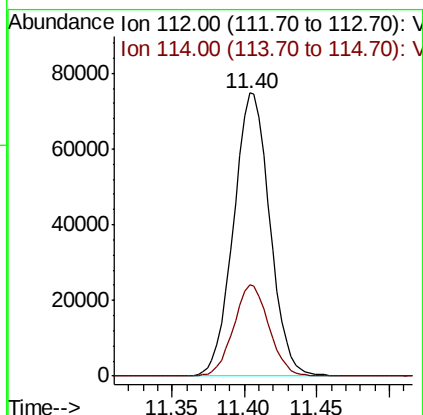
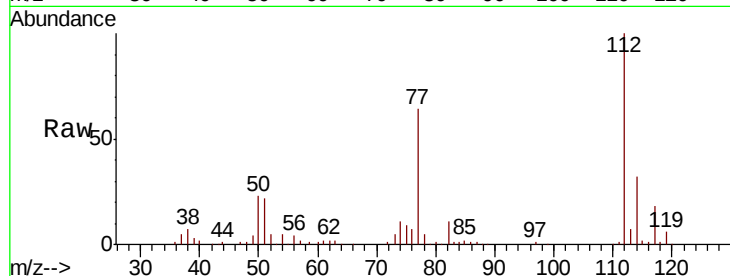




#64
Chlorobenzene
Concen: 20.926 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

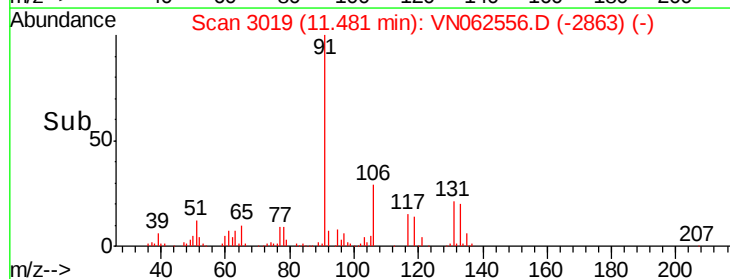
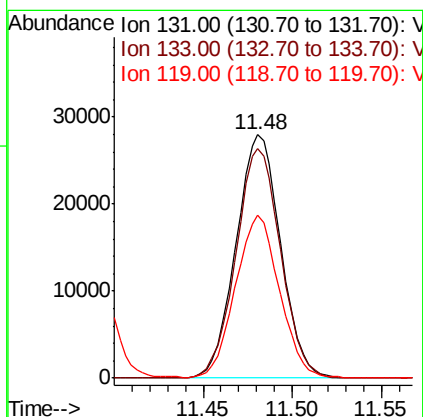
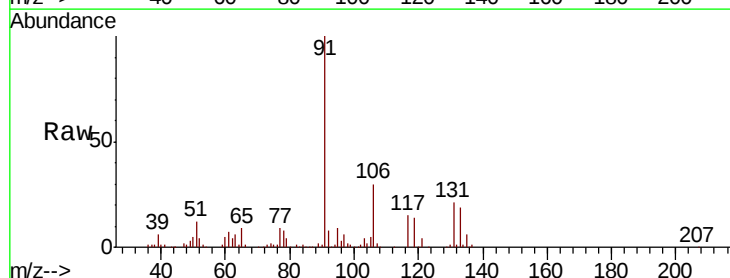
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

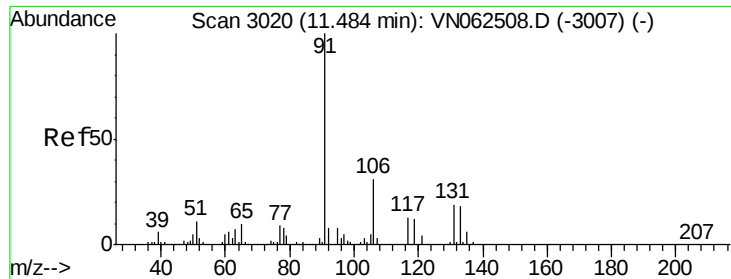
Tot Ion:112 Resp: 130066
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#65
1,1,1,2-Tetrachloroethane
Concen: 21.196 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion:131 Resp: 48766
Ion Ratio Lower Upper
131 100
133 94.6 0.0 191.4
119 66.1 0.0 136.2





#66

Ethyl Benzene

Concen: 20.248 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

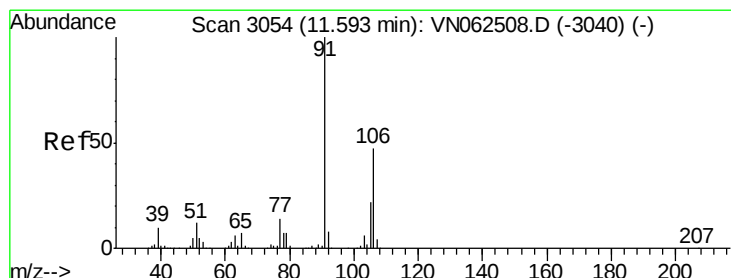
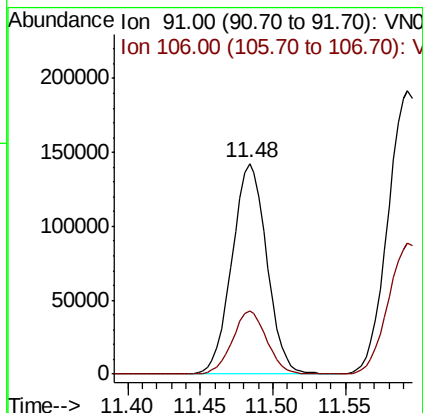
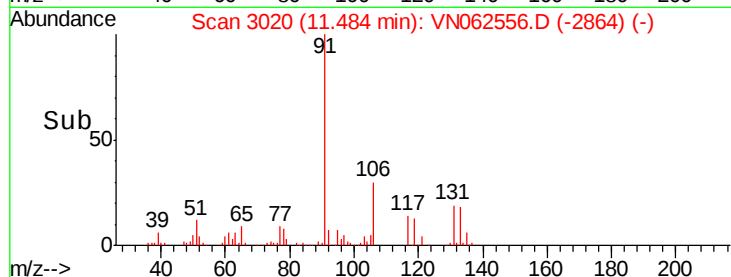
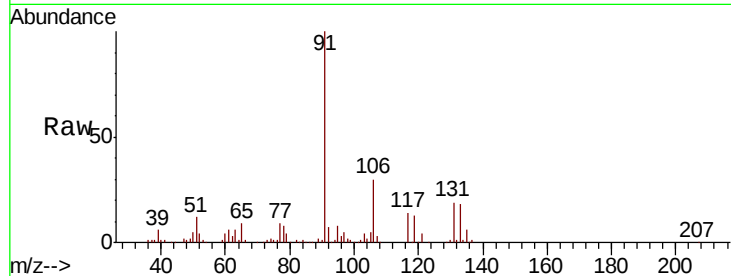
VN0720WBS01

Tot Ion: 91 Resp: 237175

Ion Ratio Lower Upper

91 100

106 30.2 24.6 36.8



#67

m/p-Xylenes

Concen: 41.225 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN062556.D

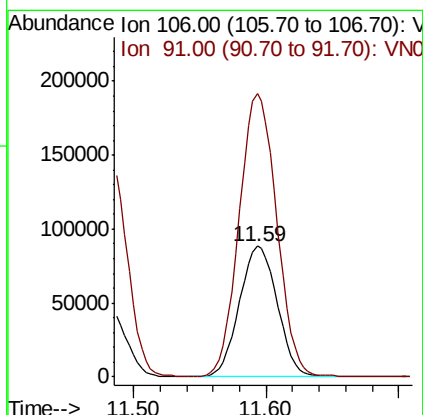
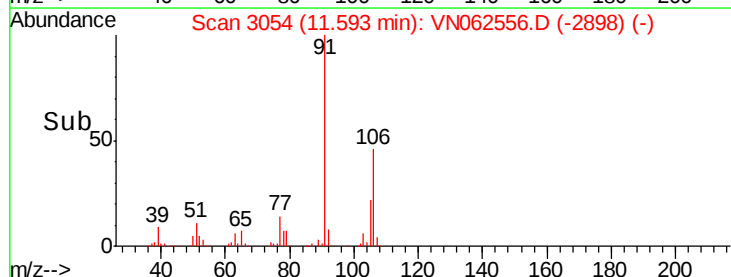
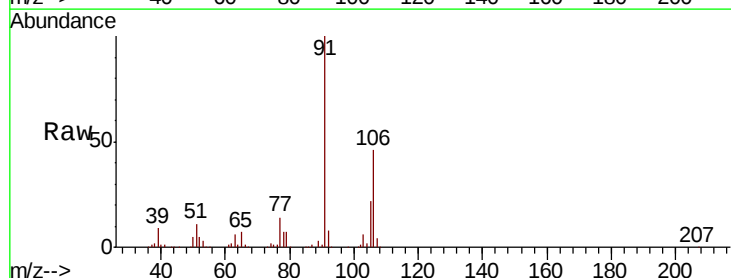
Acq: 20 Jul 2020 12:46

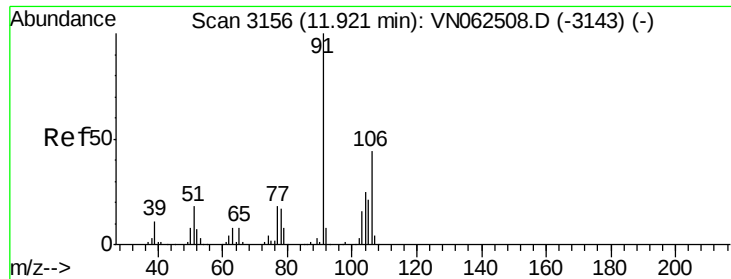
Tgt Ion: 106 Resp: 175269

Ion Ratio Lower Upper

106 100

91 214.7 170.7 256.1

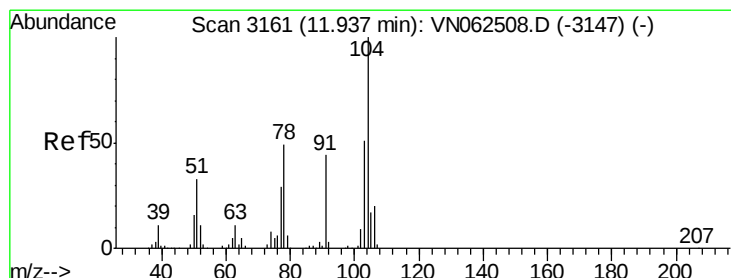
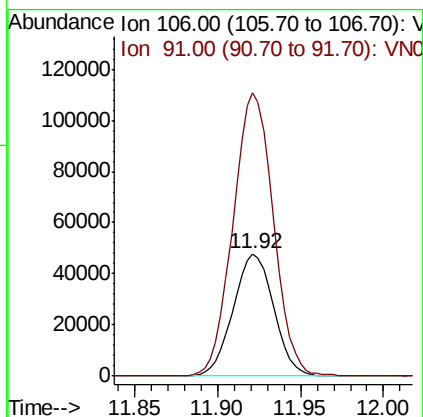
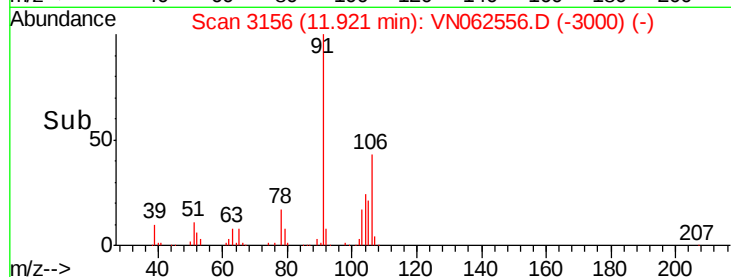
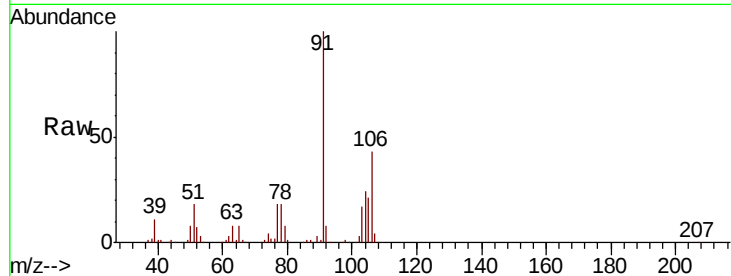




#68
o-Xylene
Concen: 19.924 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

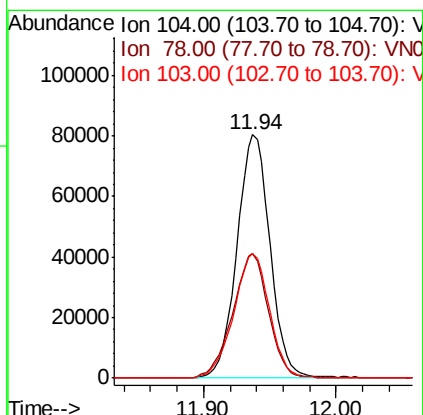
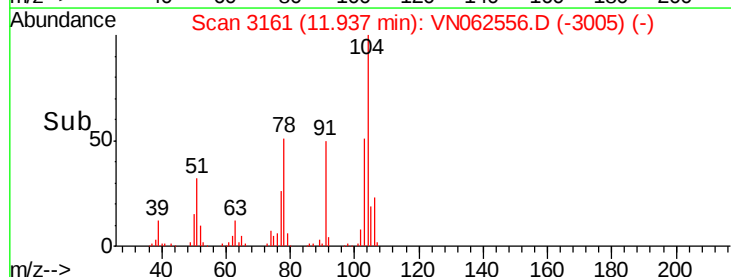
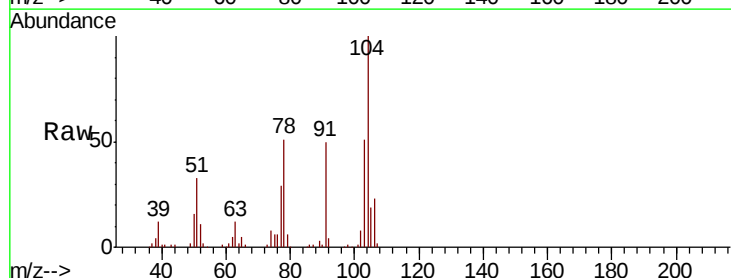
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

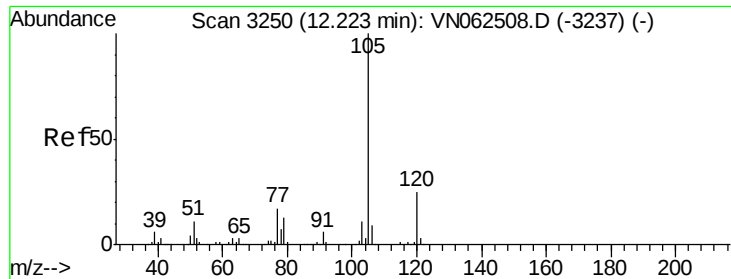
Tot Ion:106 Resp: 81291
Ion Ratio Lower Upper
106 100
91 230.8 113.9 341.6



#69
Styrene
Concen: 20.097 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062556.D
Acq: 20 Jul 2020 12:46

Tgt Ion:104 Resp: 139172
Ion Ratio Lower Upper
104 100
78 55.3 43.9 65.9
103 55.4 43.8 65.6





#70

Isopropylbenzene

Concen: 20.506 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

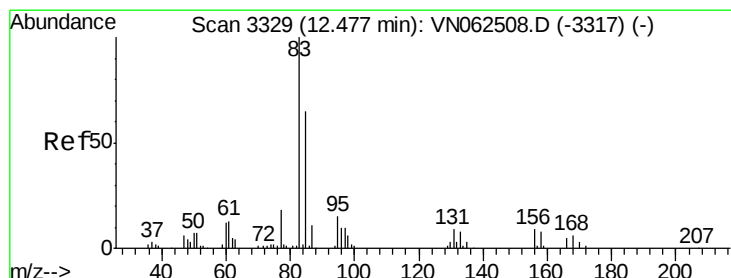
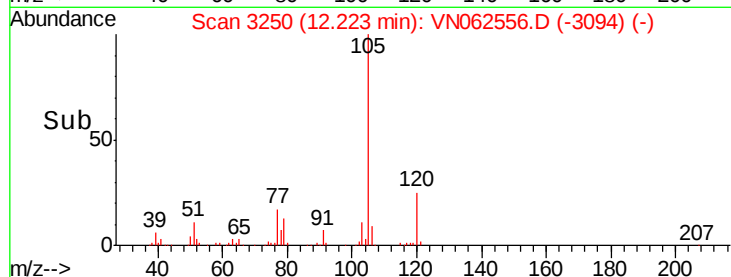
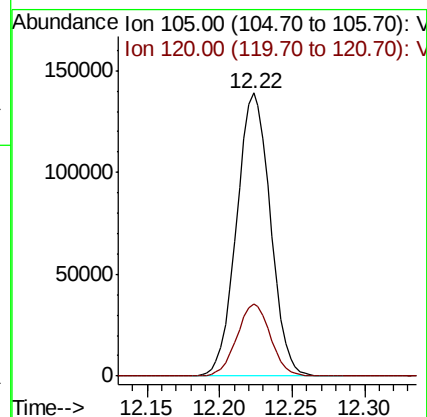
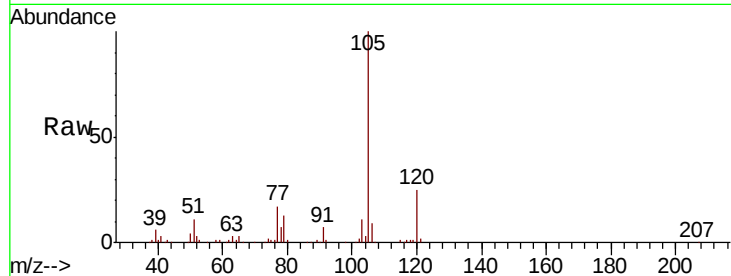
VN0720WBS01

Tot Ion:105 Resp: 224601

Ion Ratio Lower Upper

105 100

120 25.3 17.6 32.8



#71

1,1,2,2-Tetrachloroethane

Concen: 20.450 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

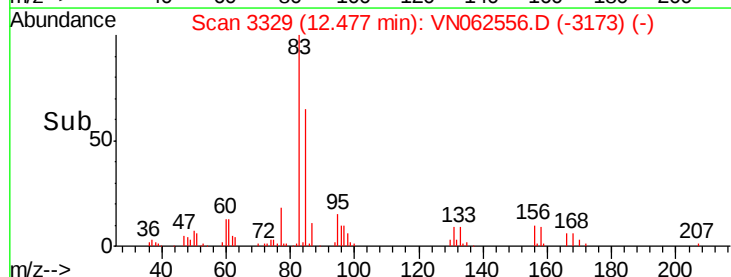
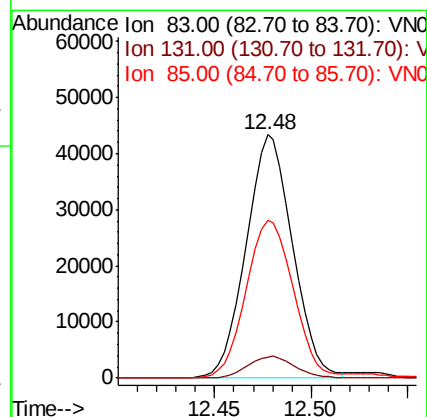
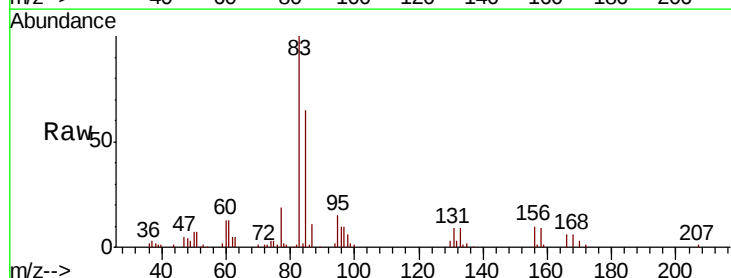
Tgt Ion: 83 Resp: 72390

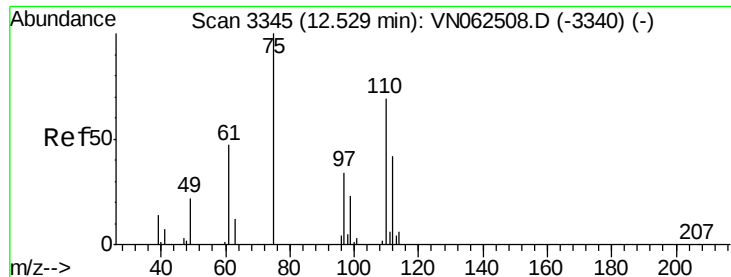
Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

85 65.7 32.5 97.4





#72

1,2,3-Trichloropropane

Concen: 27.652 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

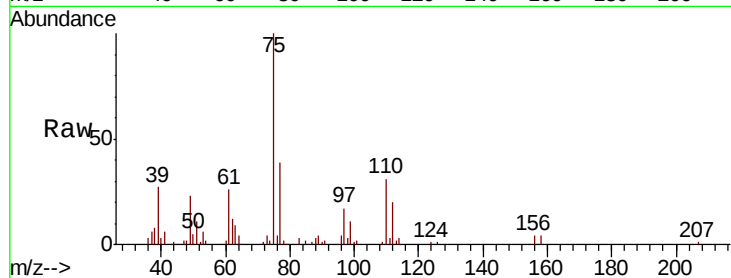
VN0720WBS01

Tot Ion: 75 Resp: 95215

Ion Ratio Lower Upper

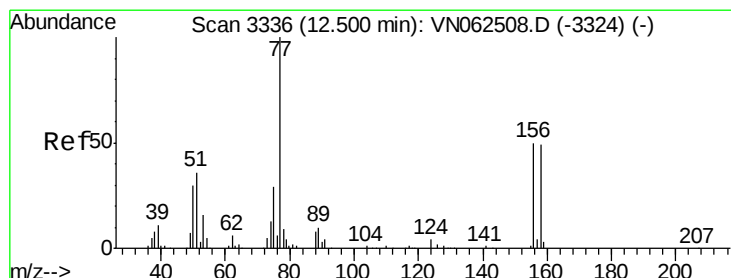
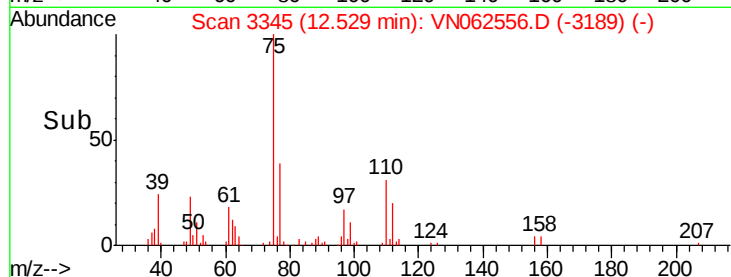
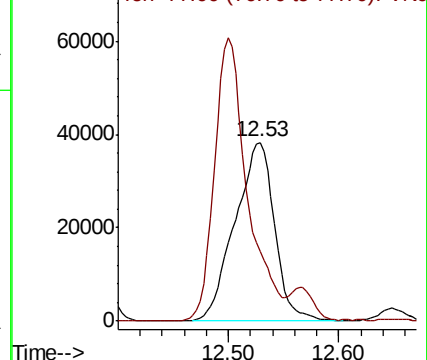
75 100

77 131.8 0.0 376.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#73

Bromobenzene

Concen: 20.420 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

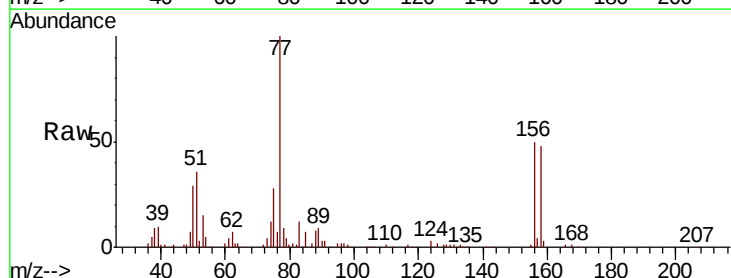
Tgt Ion: 156 Resp: 51798

Ion Ratio Lower Upper

156 100

77 242.2 0.0 485.0

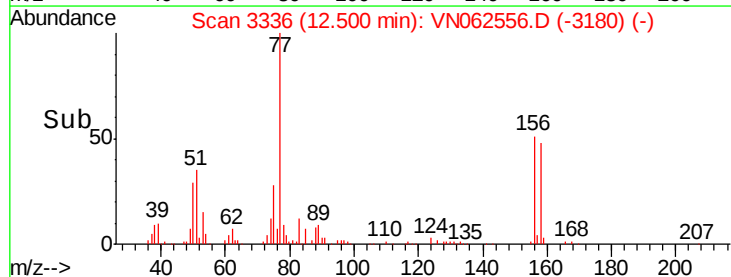
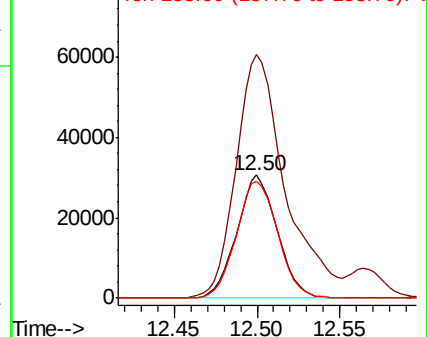
158 97.2 0.0 192.6

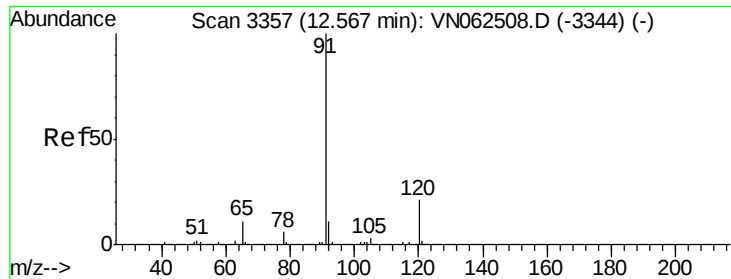


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 20.751 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

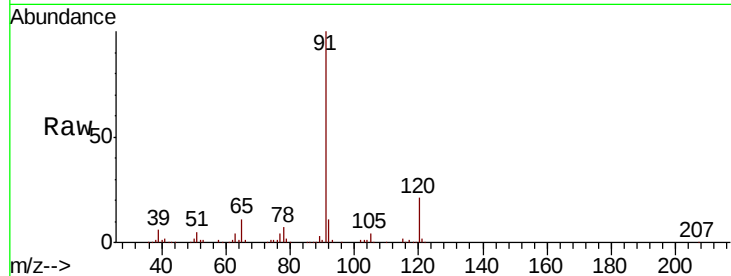
VN0720WBS01

Tot Ion: 91 Resp: 270172

Ion Ratio Lower Upper

91 100

120 20.8 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN062508.D (-3344) (-)

Ion 120.00 (119.70 to 120.70): VN062508.D (-3344) (-)

200000

150000

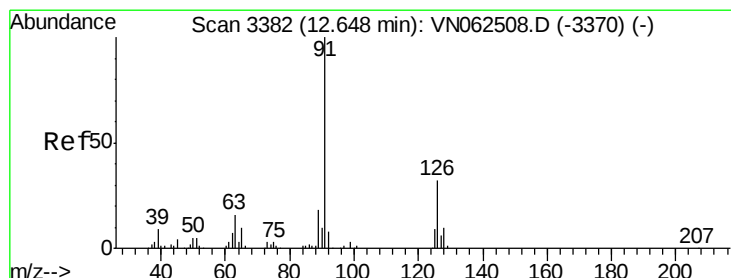
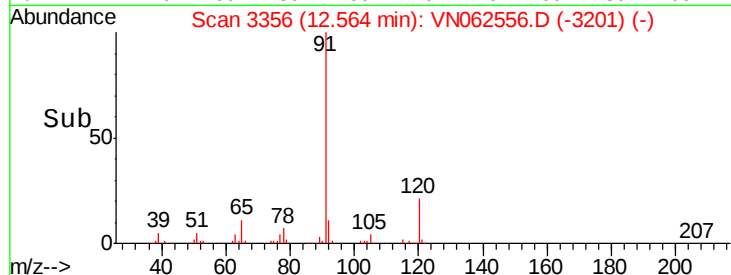
100000

50000

0

12.50 12.55 12.60

Time-->



#75

2-Chlorotoluene

Concen: 20.339 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062556.D

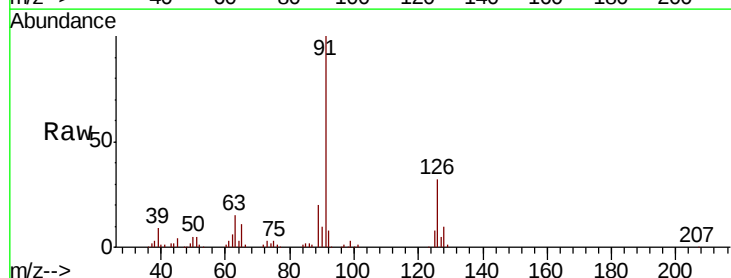
Acq: 20 Jul 2020 12:46

Tgt Ion: 91 Resp: 159429

Ion Ratio Lower Upper

91 100

126 32.0 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) (-)

150000

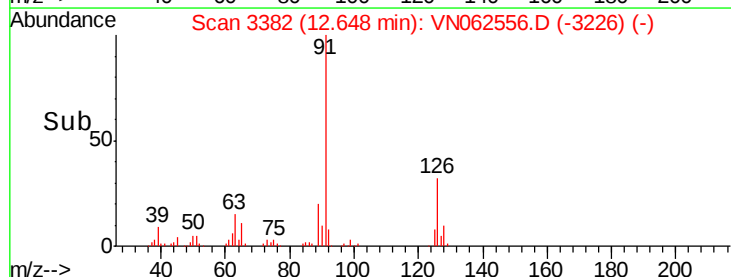
100000

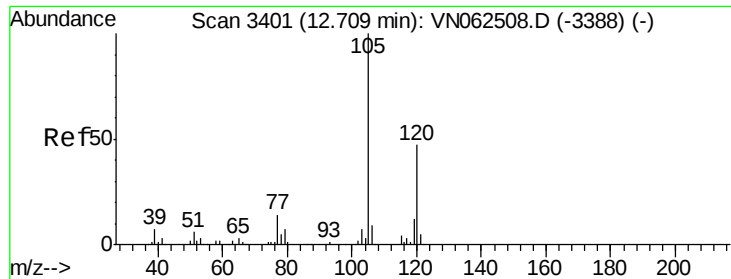
50000

0

12.60 12.65 12.70

Time-->





#76

1,3,5-Trimethylbenzene

Concen: 20.404 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

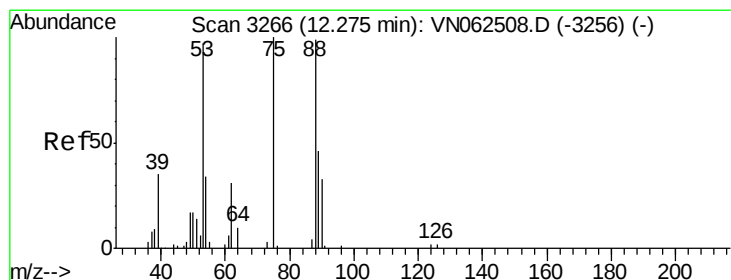
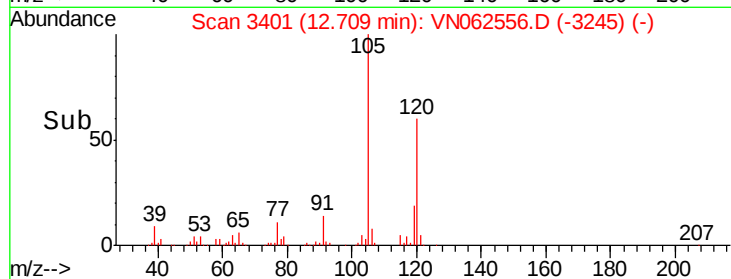
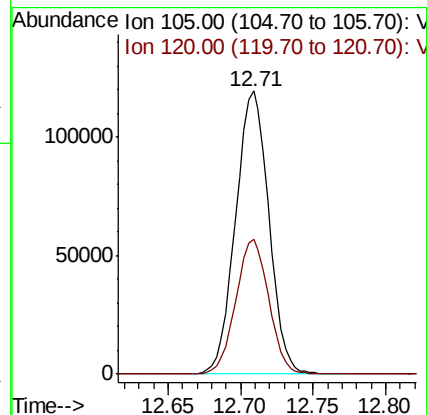
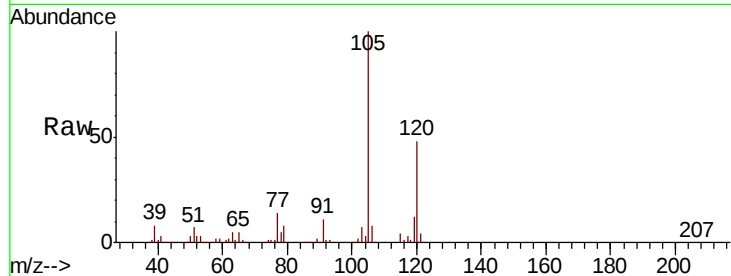
VN0720WBS01

Tot Ion:105 Resp: 190419

Ion Ratio Lower Upper

105 100

120 47.2 0.0 95.0



#77

t-1,4-Dichloro-2-butene

Concen: 19.220 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

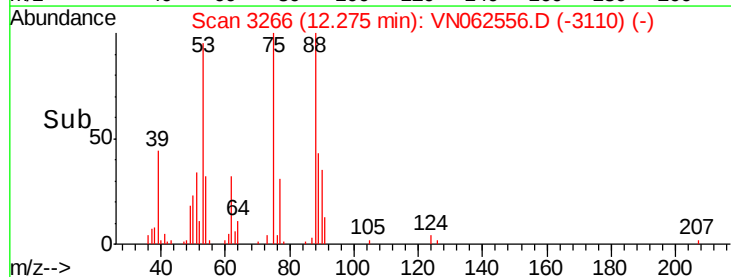
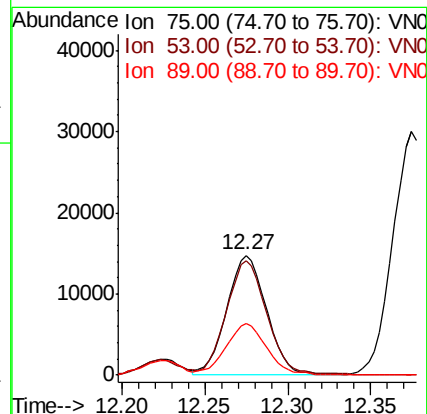
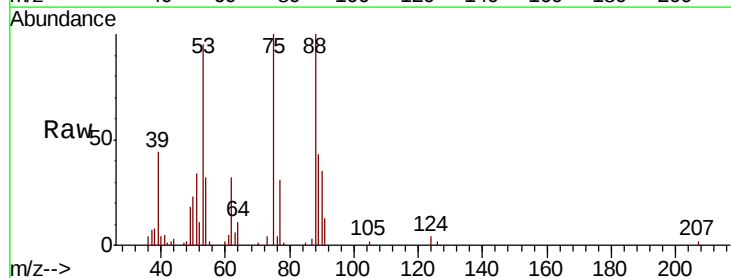
Tgt Ion: 75 Resp: 24752

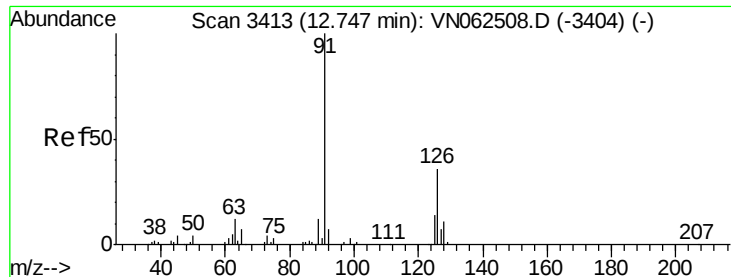
Ion Ratio Lower Upper

75 100

53 94.5 48.3 144.8

89 43.4 23.3 69.8





#78

4-Chlorotoluene

Concen: 20.297 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

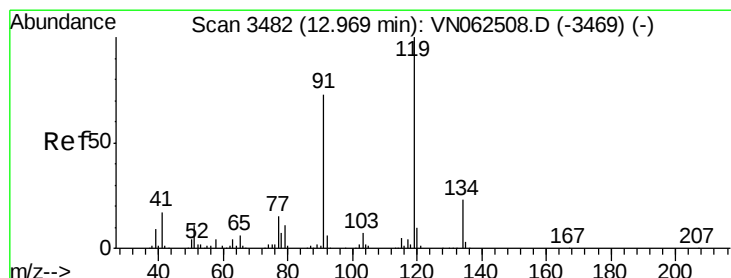
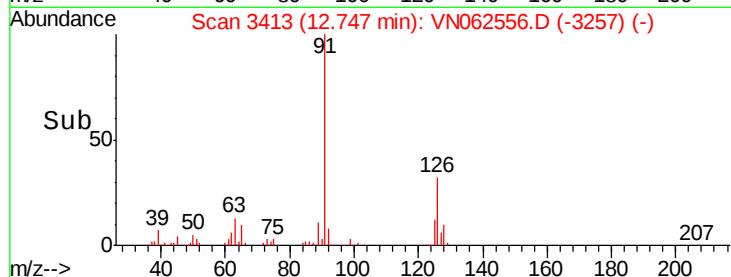
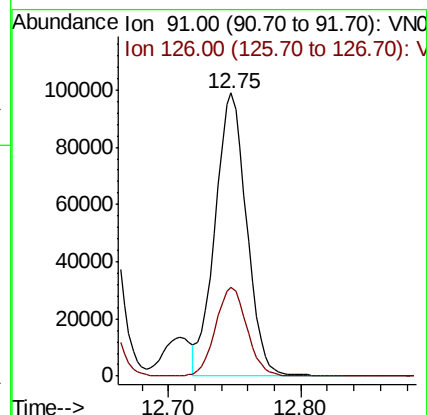
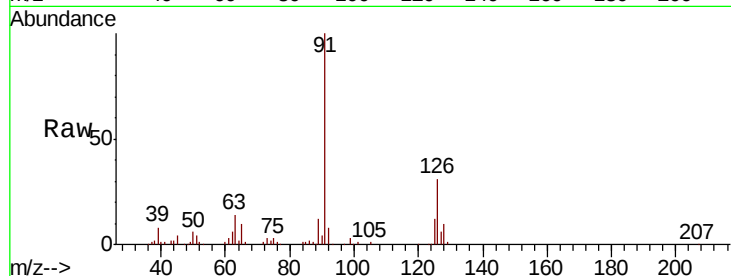
VN0720WBS01

Tot Ion: 91 Resp: 162345

Ion Ratio Lower Upper

91 100

126 31.6 0.0 62.2



#79

tert-butylbenzene

Concen: 20.628 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

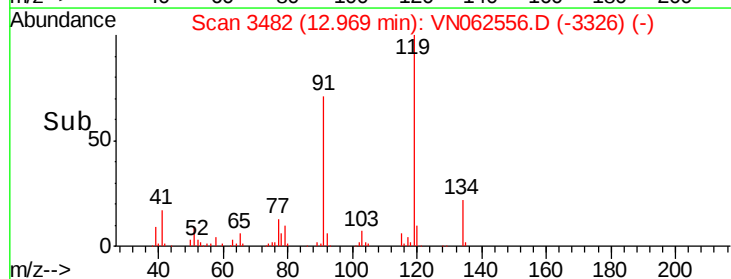
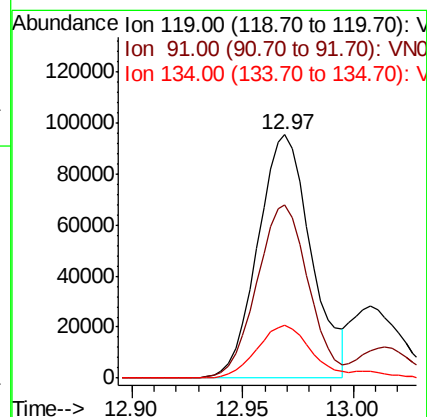
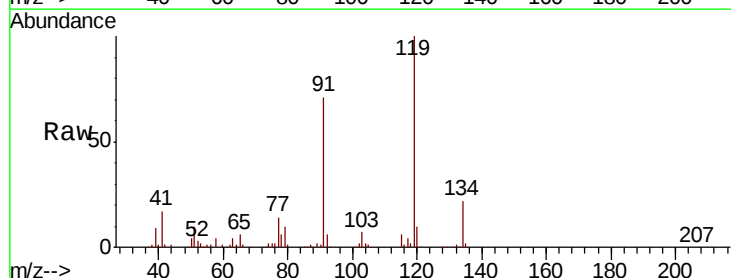
Tgt Ion: 119 Resp: 159412

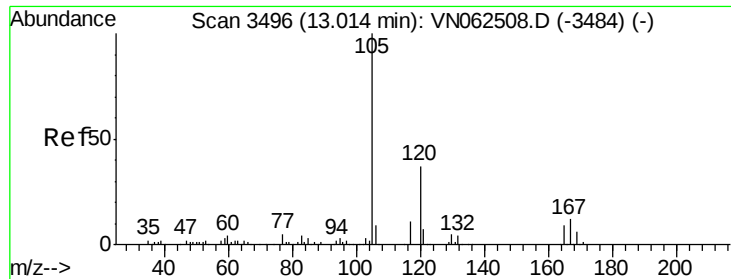
Ion Ratio Lower Upper

119 100

91 69.0 0.0 139.8

134 22.0 0.0 45.0

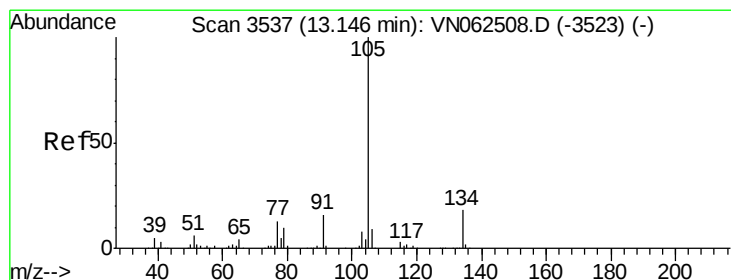
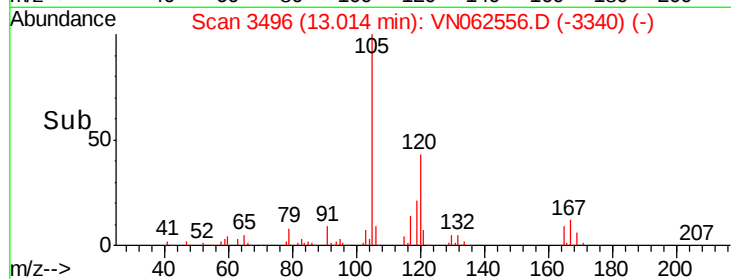
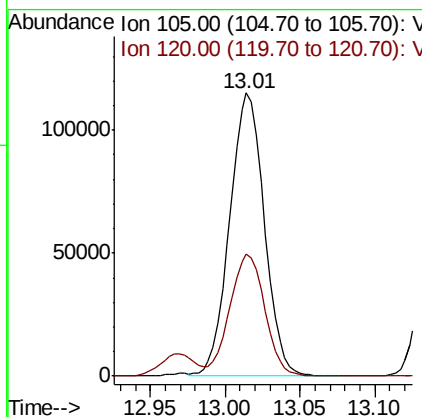
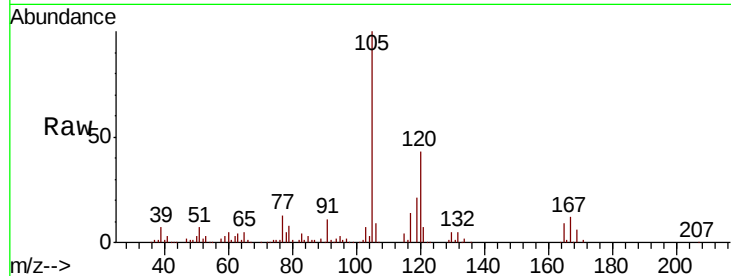




#80
 1,2,4-Trimethylbenzene
 Concen: 20.194 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

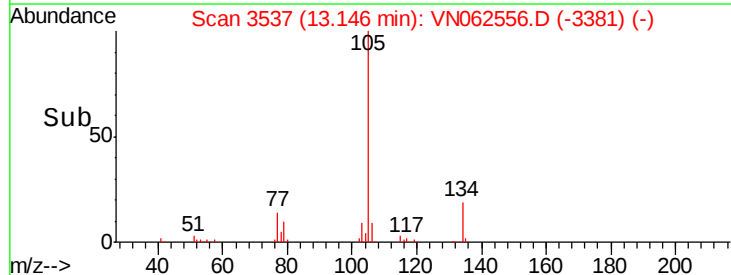
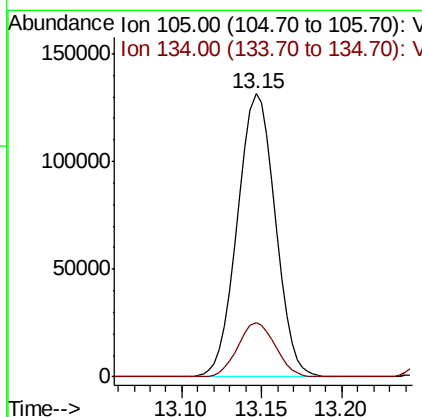
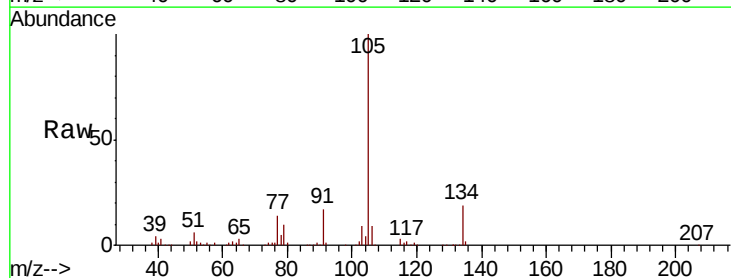
Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS01

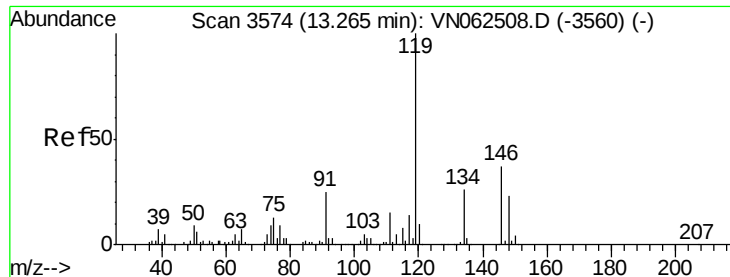
Tot Ion:105 Resp: 185359
 Ion Ratio Lower Upper
 105 100
 120 43.8 0.0 86.6



#81
 sec-Butylbenzene
 Concen: 20.445 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion:105 Resp: 212176
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 37.2

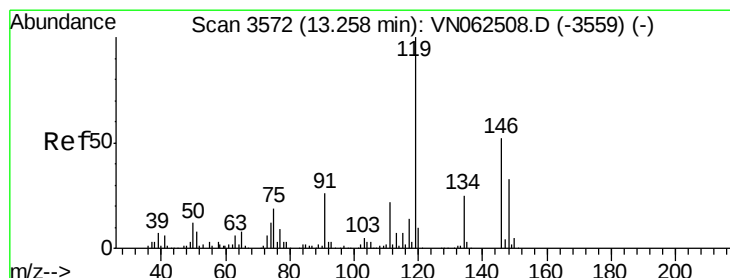
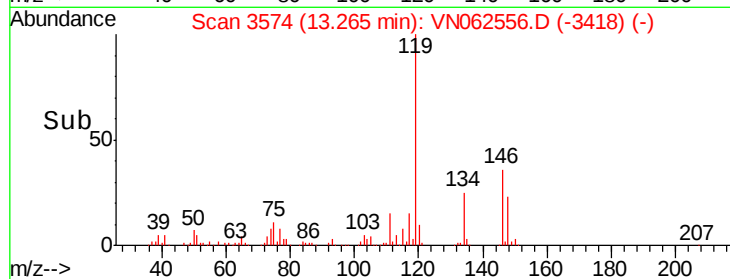
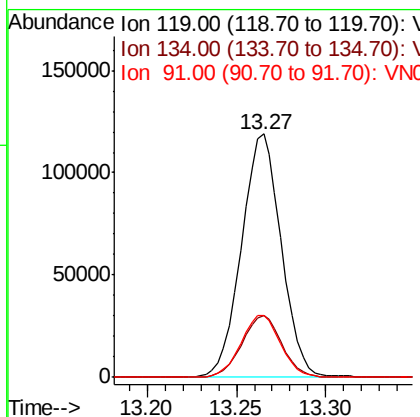
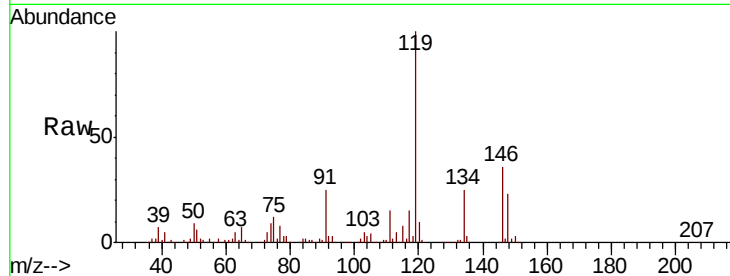




#82
 p-Isopropyltoluene
 Concen: 20.143 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

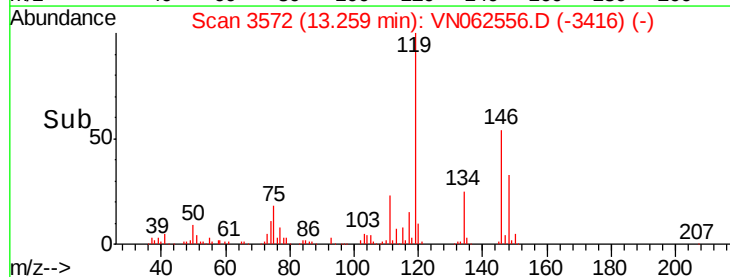
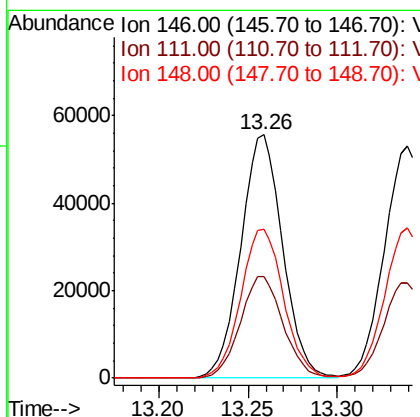
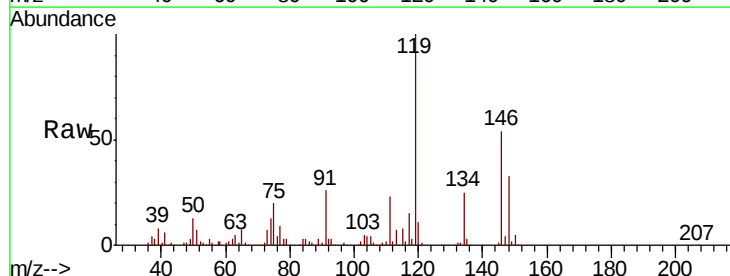
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

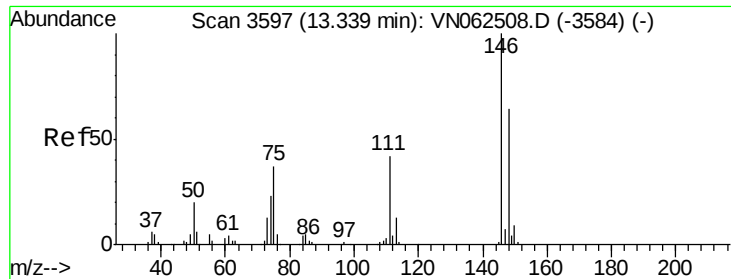
Tot Ion:119 Resp: 184478
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.8
 91 25.5 0.0 51.2



#83
 1,3-Dichlorobenzene
 Concen: 20.730 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion:146 Resp: 91319
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.0 63.0
 148 62.6 31.7 95.1

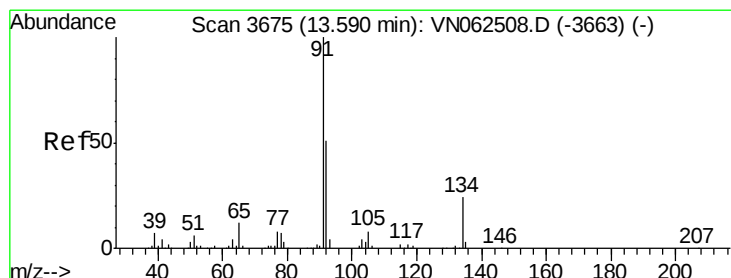
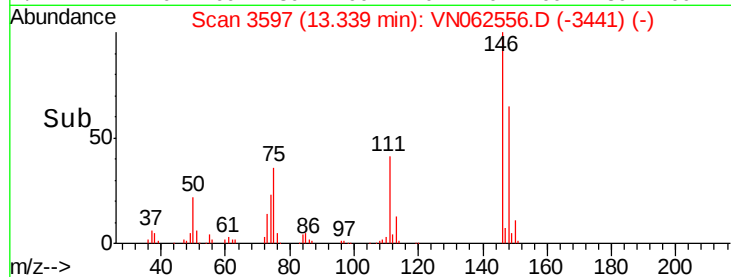
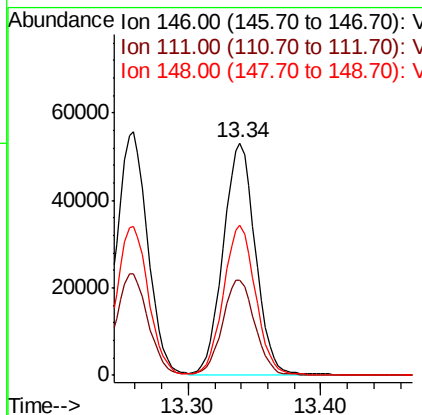
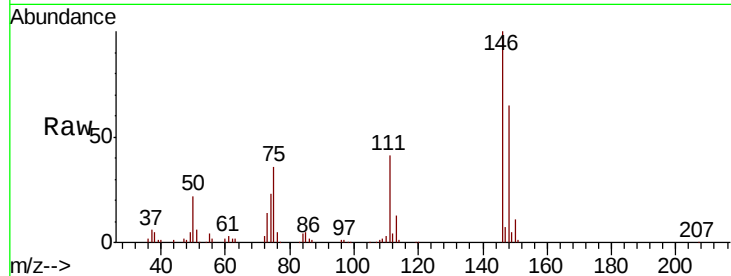




#84
 1,4-Dichlorobenzene
 Concen: 20.683 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

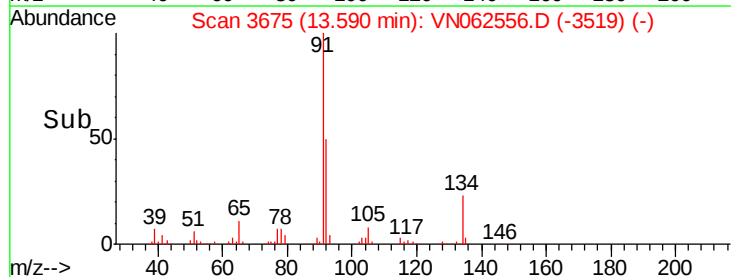
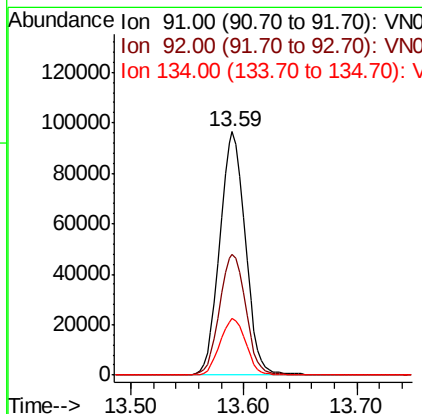
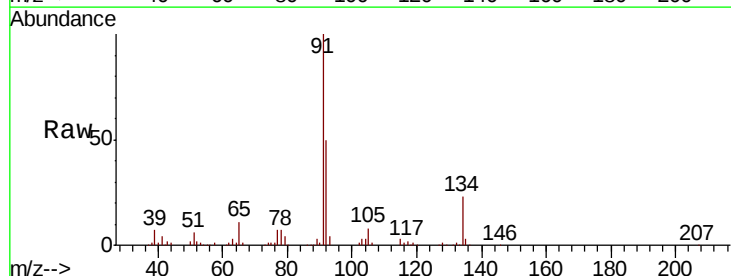
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

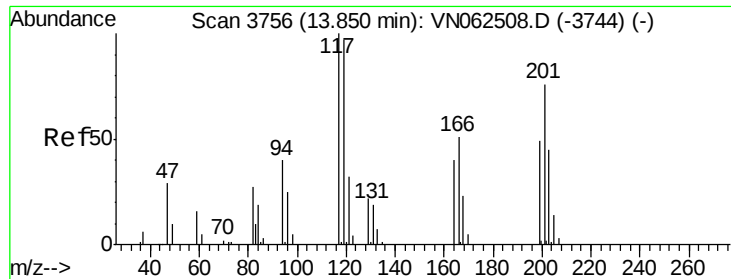
Tot Ion:146 Resp: 89909
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.4 64.2
 148 63.5 32.4 97.2



#85
 n-Butylbenzene
 Concen: 19.463 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Tgt Ion: 91 Resp: 152902
 Ion Ratio Lower Upper
 91 100
 92 50.9 0.0 102.4
 134 23.4 0.0 46.6





#86

Hexachloroethane

Concen: 19.781 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

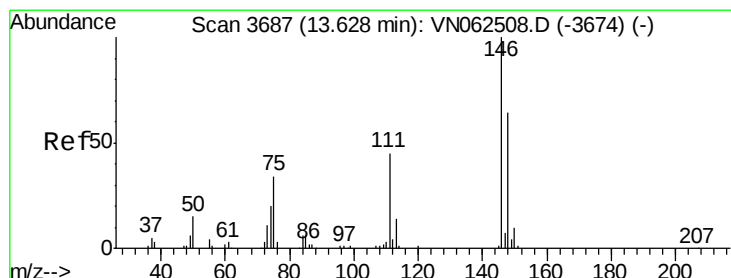
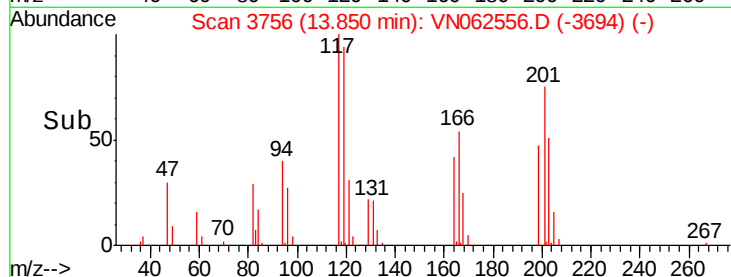
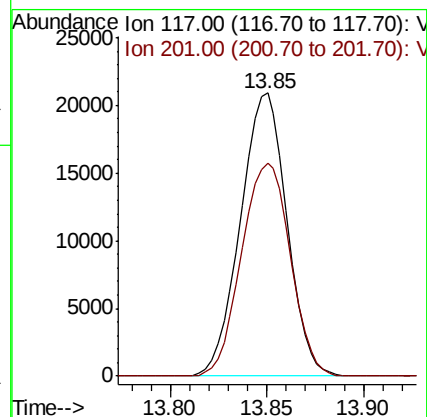
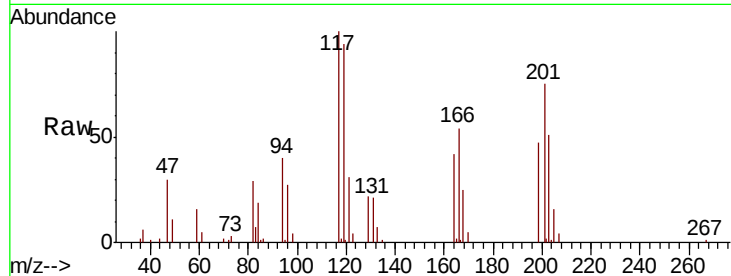
VN0720WBS01

Tot Ion:117 Resp: 34957

Ion Ratio Lower Upper

117 100

201 79.0 37.4 112.2



#87

1,2-Dichlorobenzene

Concen: 20.948 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

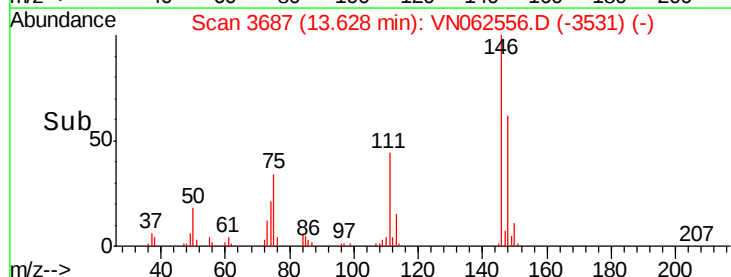
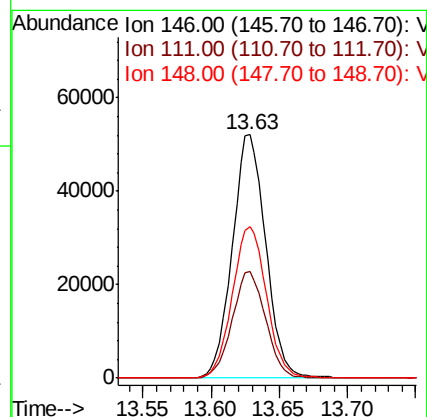
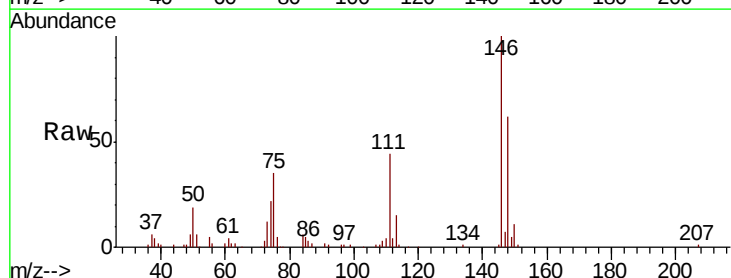
Tgt Ion:146 Resp: 88740

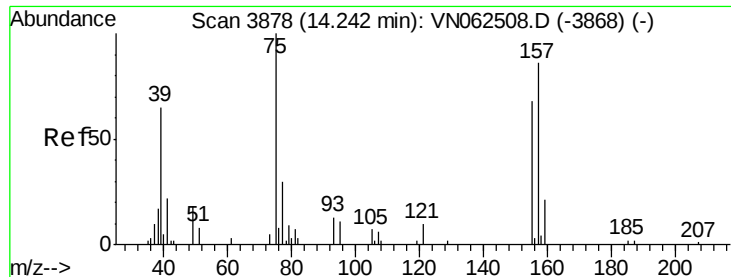
Ion Ratio Lower Upper

146 100

111 43.6 22.4 67.0

148 63.4 32.1 96.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.746 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

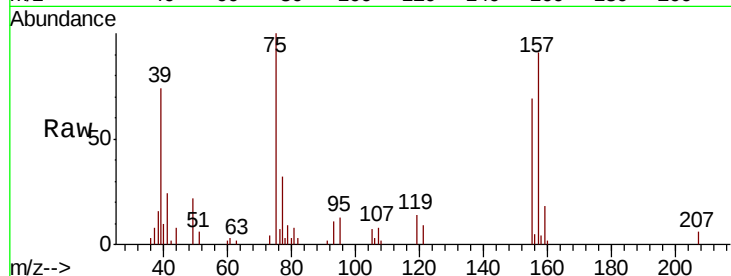
Tot Ion: 75 Resp: 13201

Ion Ratio Lower Upper

75 100

155 72.7 55.7 83.5

157 92.3 71.0 106.6



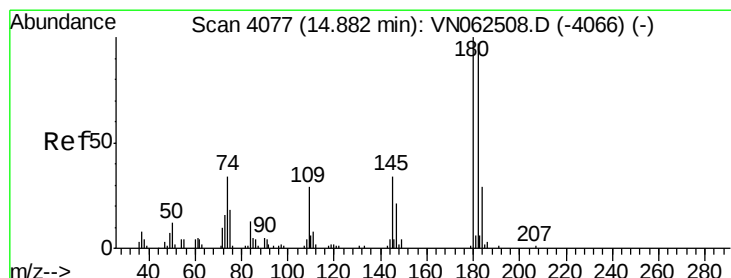
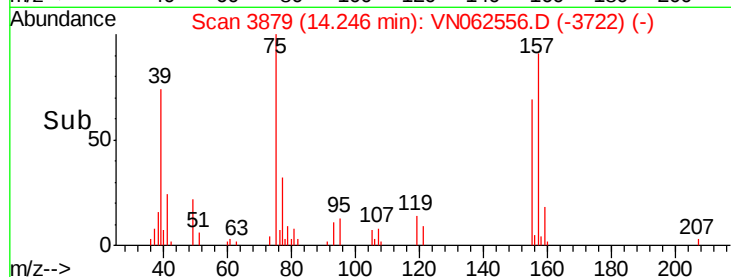
Abundance Ion 75.00 (74.70 to 75.70): VN062508.D (-3868) (-)

Ion 155.00 (154.70 to 155.70): VN062508.D (-3868) (-)

Ion 157.00 (156.70 to 157.70): VN062508.D (-3868) (-)

14.25

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 19.739 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

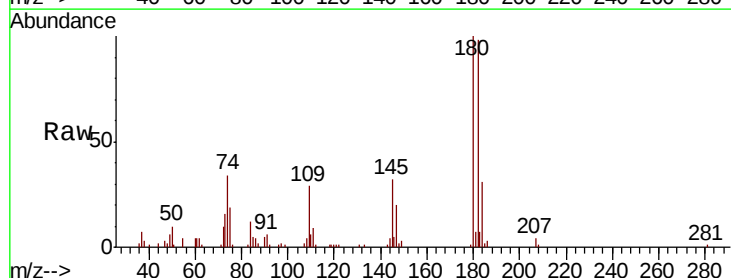
Tgt Ion: 180 Resp: 41628

Ion Ratio Lower Upper

180 100

182 97.8 77.5 116.3

145 31.4 26.1 39.1



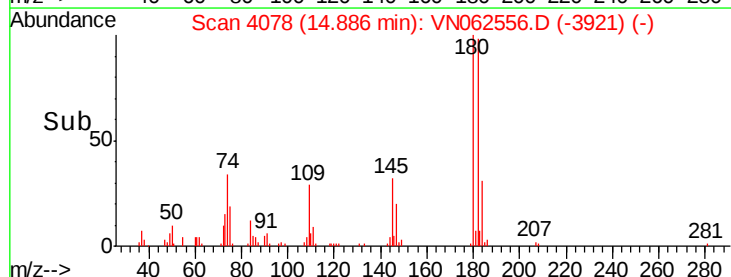
Abundance Ion 180.00 (179.70 to 180.70): VN062508.D (-4066) (-)

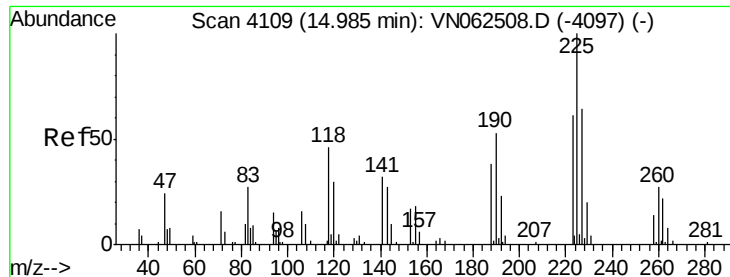
Ion 182.00 (181.70 to 182.70): VN062508.D (-4066) (-)

Ion 145.00 (144.70 to 145.70): VN062508.D (-4066) (-)

14.89

Time-->





#90

Hexachlorobutadiene

Concen: 22.513 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

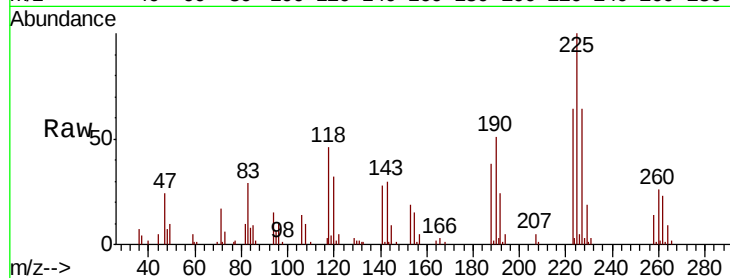
Tot Ion:225 Resp: 26333

Ion Ratio Lower Upper

225 100

223 64.6 0.0 120.4

227 64.9 0.0 129.6

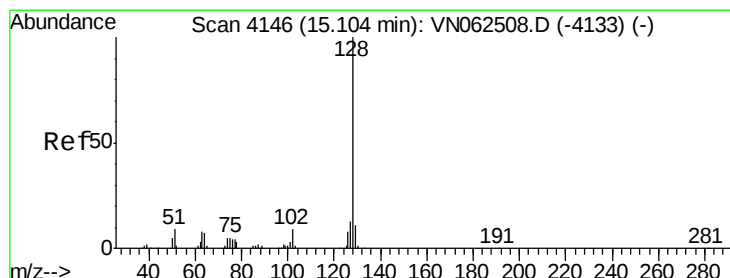
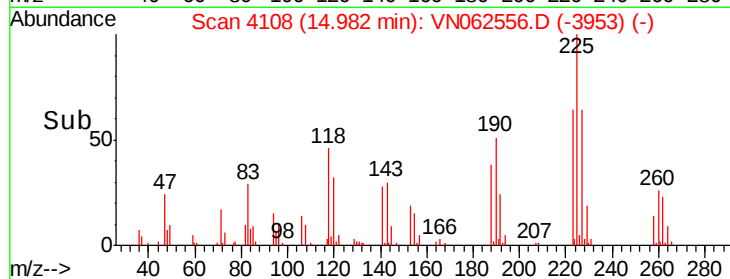
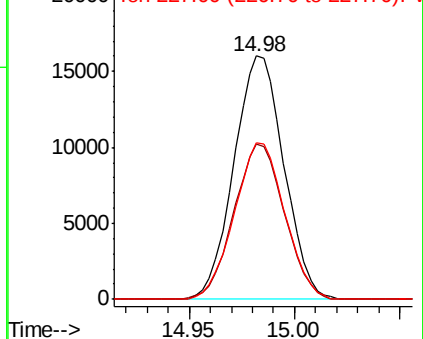


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 17.859 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062556.D

Acq: 20 Jul 2020 12:46

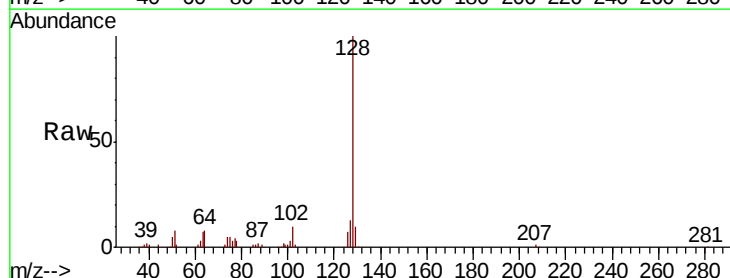
Tgt Ion:128 Resp: 102112

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 10.7 8.8 13.2

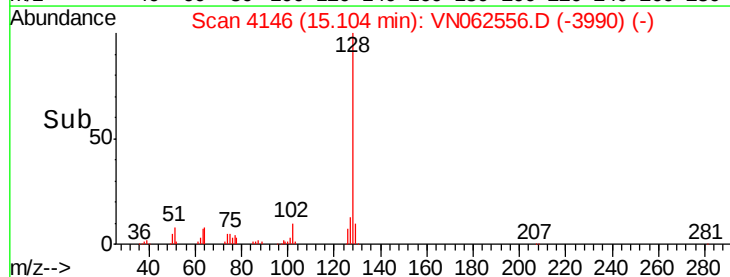
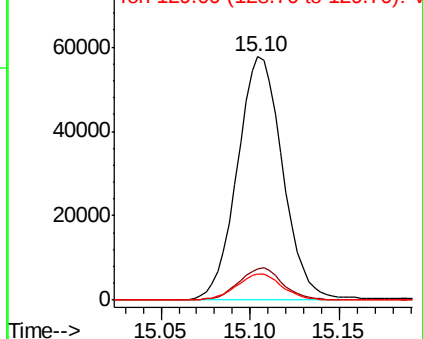


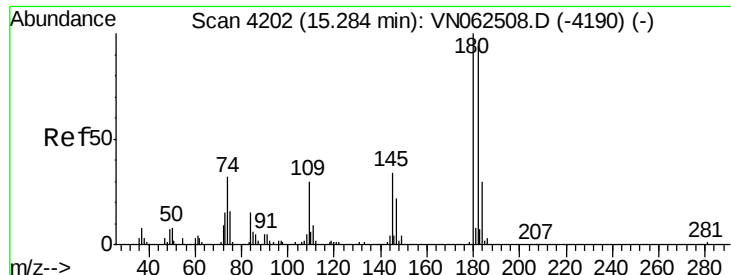
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 19.982 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN062556.D
 Acq: 20 Jul 2020 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	0.0	187.2
145	33.1	0.0	67.8

