

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071420\
 Data File : VN062520.D
 Acq On : 14 Jul 2020 9:32
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 15 00:48:32 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	45831	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	256907	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	236606	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	116511	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	12.37	95	120524	29.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.77%
63) Toluene-d8	10.06	98	338294	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	56710	20.964	ug/l 98
3) Chloromethane	2.04	50	76268	19.526	ug/l 99
4) Vinyl Chloride	2.16	62	66864	19.583	ug/l 96
5) Bromomethane	2.53	94	28652	16.915	ug/l 93
6) Chloroethane	2.67	64	32420	19.288	ug/l 96
7) Trichlorofluoromethane	2.98	101	86769	21.683	ug/l 99
8) Diethyl Ether	3.37	74	36981	19.224	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	51970	20.089	ug/l 86
10) 1,1-Dichloroethene	3.70	96	52285	19.811	ug/l 98
11) Methyl Iodide	3.91	142	63863	19.760	ug/l 99
12) Methyl Acetate	4.27	43	69712	19.695	ug/l 99
13) Acrolein	3.56	56	55691	105.309	ug/l 99
14) Acrylonitrile	4.92	53	157413	95.624	ug/l 98
15) Acetone	3.77	58	56988	112.773	ug/l 100
16) Carbon Disulfide	4.01	76	168869	19.635	ug/l 100
17) Allyl chloride	4.27	41	115089	20.504	ug/l 99
18) Methylene Chloride	4.50	84	63693	19.614	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	56778	19.438	ug/l 94
20) Diisopropyl ether	5.90	45	232430	20.144	ug/l 97
21) 1,1-Dichloroethane	5.79	63	120789	19.801	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	65172	19.784	ug/l 100
23) tert-Butyl Alcohol	4.73	59	53715	97.503	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	188517	19.375	ug/l # 80
25) Chloroform	7.33	83	110876	19.819	ug/l 97
26) Cyclohexane	7.61	56	107057	19.911	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	86333	19.811	ug/l 99
30) 2-Butanone	6.78	43	238942	103.389	ug/l 99
31) 2,2-Dichloropropane	6.77	77	97878	19.920	ug/l # 69
32) 1,1,1-Trichloroethane	7.53	97	93597	19.984	ug/l 99
33) Carbon Tetrachloride	7.73	117	83110	20.470	ug/l 100
34) Benzene	8.00	78	257195	19.866	ug/l 100
35) Methacrylonitrile	7.12	41	40331	19.867	ug/l 98
36) 1,2-Dichloroethane	8.08	62	93662	20.128	ug/l 99
37) Trichloroethene	8.80	130	57766	19.865	ug/l 99
38) Methylcyclohexane	9.04	83	95498	19.535	ug/l 99
39) 1,2-Dichloropropane	9.08	63	74101	20.091	ug/l 99
40) Dibromomethane	9.17	93	41678	19.607	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	89091	19.760	ug/l	97
42) Vinyl Acetate	5.84	43	957311	99.682	ug/l	99
43) Ethyl Acetate	6.88	43	91817	19.761	ug/l	100
44) Isopropyl Acetate	8.12	43	148148	19.004	ug/l #	80
45) 1,4-Dioxane	9.16	88	21239	398.275	ug/l	96
46) Methyl methacrylate	9.17	41	71272	19.271	ug/l	99
47) n-amyl Acetate	12.04	43	122926	18.706	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	102546	19.500	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	111321	19.611	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	59665	20.025	ug/l	98
51) Ethyl methacrylate	10.40	69	95604	19.058	ug/l	96
52) 1,3-Dichloropropane	10.68	76	109590	20.041	ug/l	99
53) Dibromochloromethane	10.87	129	63456	19.547	ug/l	97
54) 1,2-Dibromoethane	10.98	107	59571	19.533	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	148474	92.666	ug/l	100
56) Bromoform	12.10	173	42608	19.217	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	452672	98.197	ug/l	100
59) 2-Hexanone	10.72	43	334860	99.046	ug/l	100
61) Tetrachloroethene	10.60	164	49643	20.488	ug/l	98
62) Toluene	10.12	91	270099	20.122	ug/l	100
64) Chlorobenzene	11.40	112	158567	20.104	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	58145	19.916	ug/l	99
66) Ethyl Benzene	11.48	91	293607	19.753	ug/l	98
67) m/p-Xylenes	11.59	106	215623	39.966	ug/l	99
68) o-Xylene	11.92	106	102005	19.701	ug/l	99
69) Styrene	11.94	104	170635	19.418	ug/l	99
70) Isopropylbenzene	12.22	105	273844	19.703	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	87752	19.535	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	114937	26.305	ug/l	63
73) Bromobenzene	12.50	156	62962	19.560	ug/l	99
74) n-propylbenzene	12.56	91	328430	19.879	ug/l	99
75) 2-Chlorotoluene	12.65	91	197010	19.806	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	231051	19.510	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	29983	18.347	ug/l	98
78) 4-Chlorotoluene	12.75	91	200173	19.722	ug/l	99
79) tert-butylbenzene	12.97	119	190041	19.379	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	229265	19.683	ug/l	99
81) sec-Butylbenzene	13.15	105	259417	19.698	ug/l	100
82) p-Isopropyltoluene	13.26	119	228479	19.660	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	108840	19.470	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	108275	19.629	ug/l	97
85) n-Butylbenzene	13.59	91	189501	19.009	ug/l	99
86) Hexachloroethane	13.85	117	42225	18.829	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	105695	19.662	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	15785	18.607	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	49028	18.321	ug/l	100
90) Hexachlorobutadiene	14.98	225	30150	20.313	ug/l	96
91) Naphthalene	15.10	128	122741	16.917	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	49892	18.498	ug/l	99

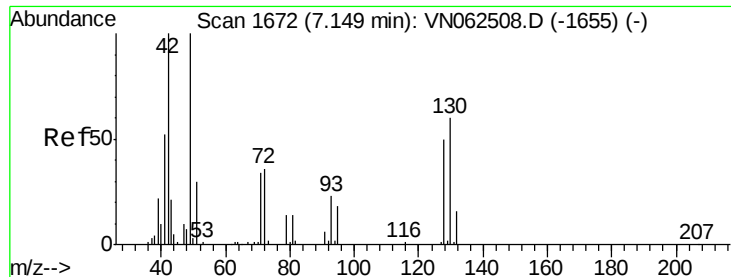
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

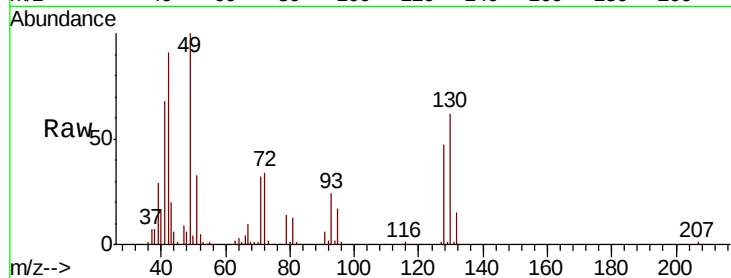
Tot Ion:128 Resp: 45831

Ion Ratio Lower Upper

128 100

49 215.3 0.0 525.0

130 130.8 0.0 319.8

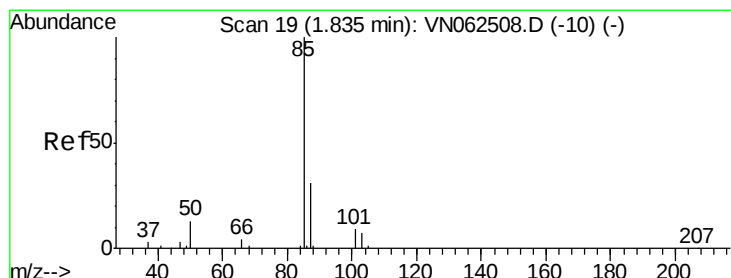
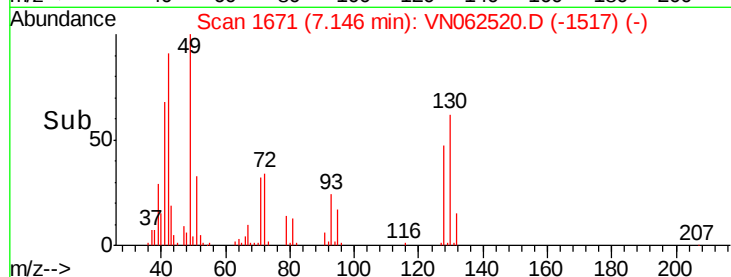
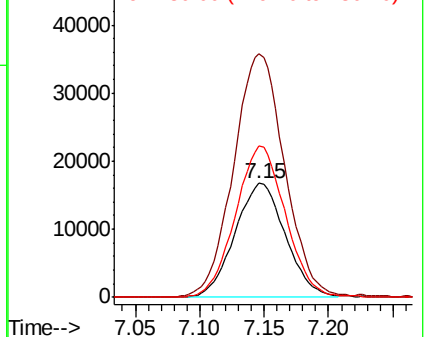


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.964 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062520.D

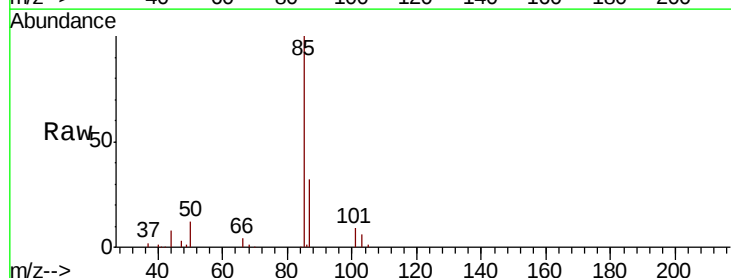
Acq: 14 Jul 2020 9:32

Tgt Ion: 85 Resp: 56710

Ion Ratio Lower Upper

85 100

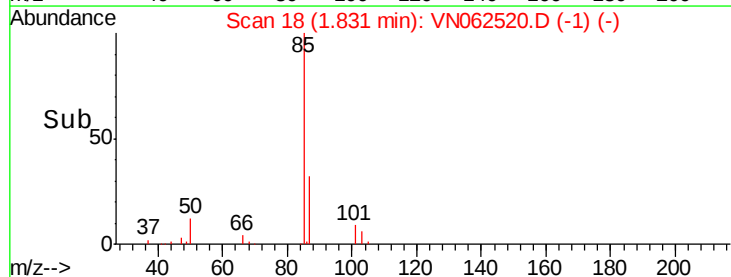
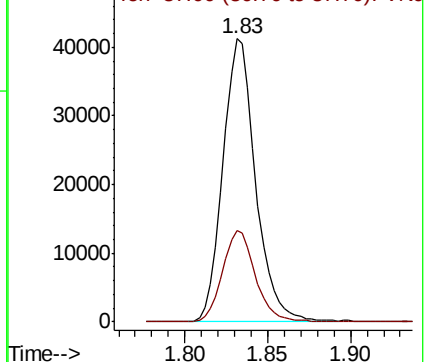
87 32.4 15.6 46.7

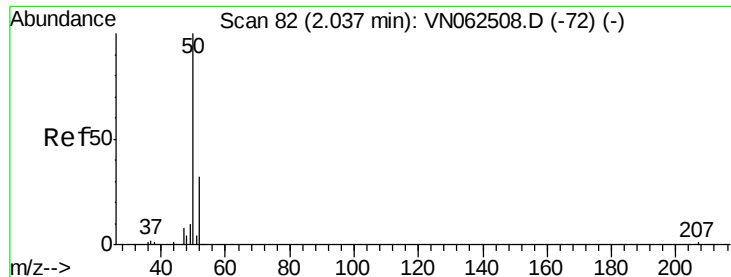


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 19.526 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

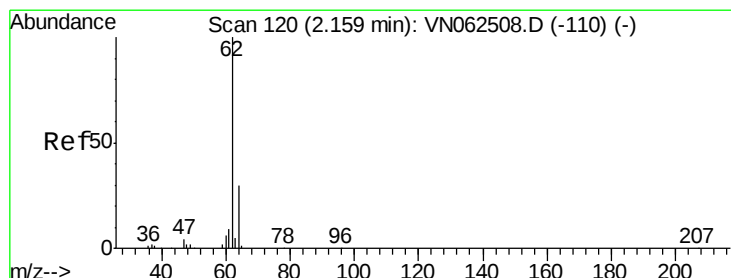
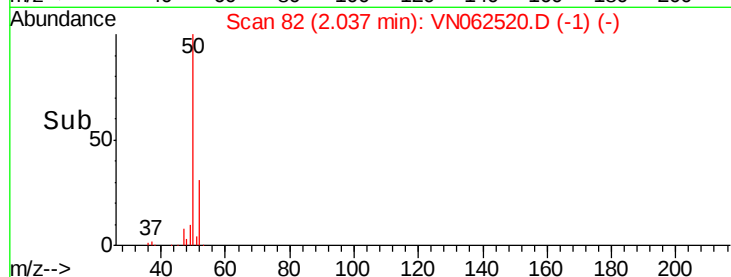
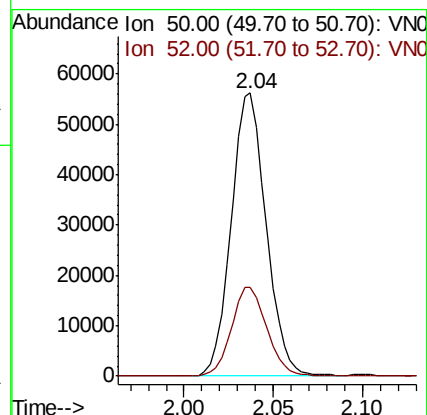
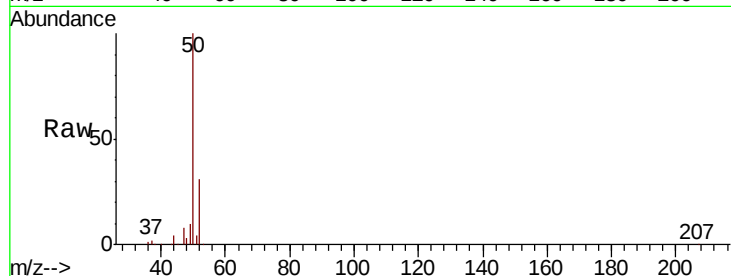
VSTDCCC020

Tot Ion: 50 Resp: 76268

Ion Ratio Lower Upper

50 100

52 31.4 25.4 38.2



#4

Vinyl Chloride

Concen: 19.583 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062520.D

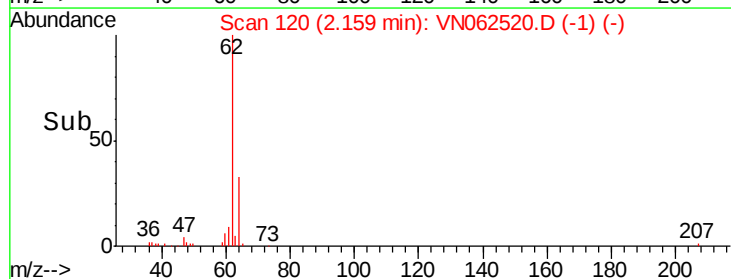
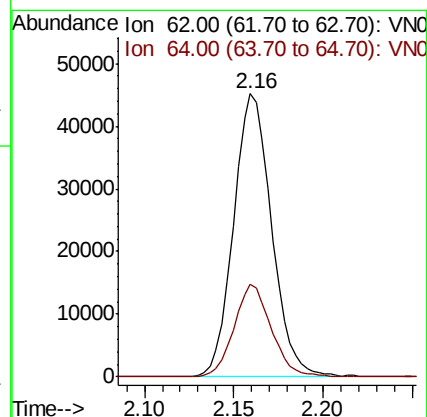
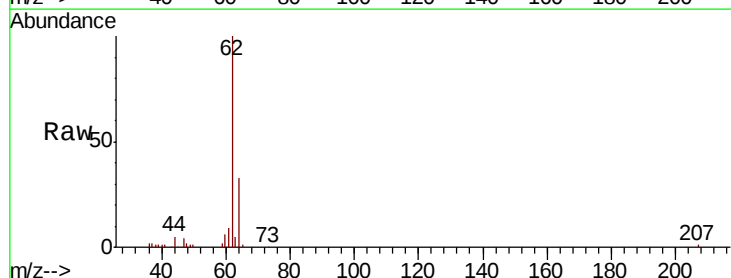
Acq: 14 Jul 2020 9:32

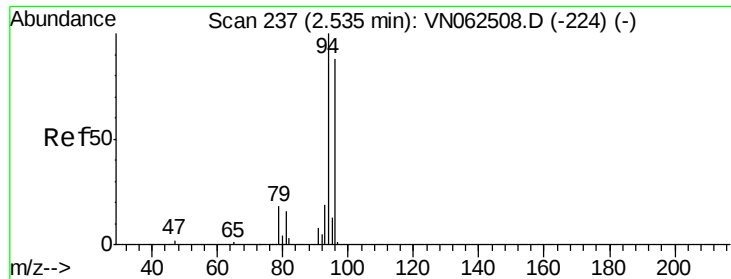
Tgt Ion: 62 Resp: 66864

Ion Ratio Lower Upper

62 100

64 32.6 24.3 36.5

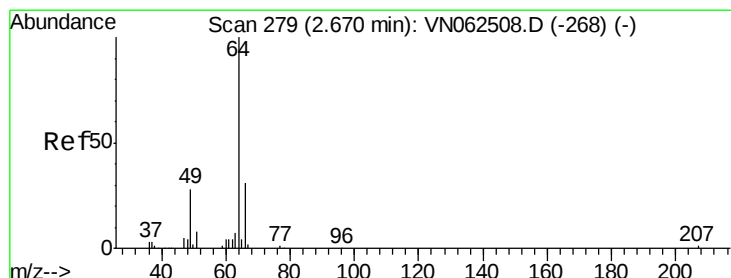
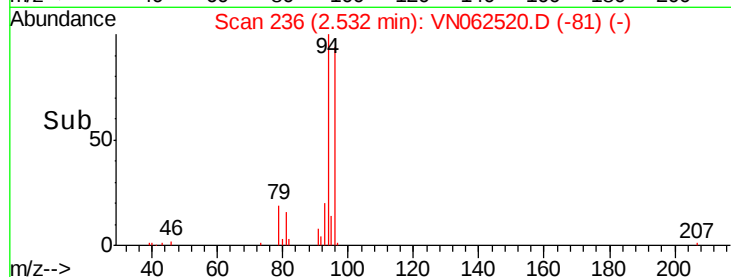
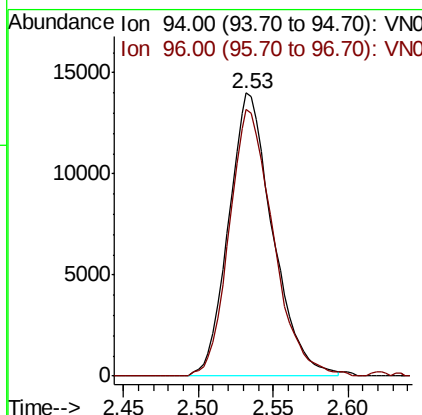
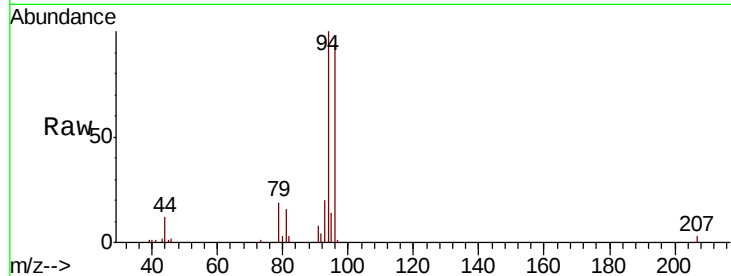




#5
 Bromomethane
 Concen: 16.915 ug/l
 RT: 2.53 min Scan# 236
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

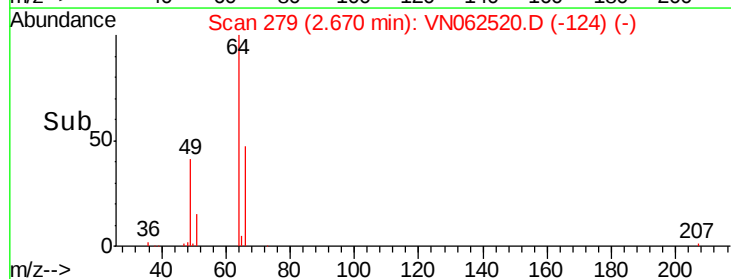
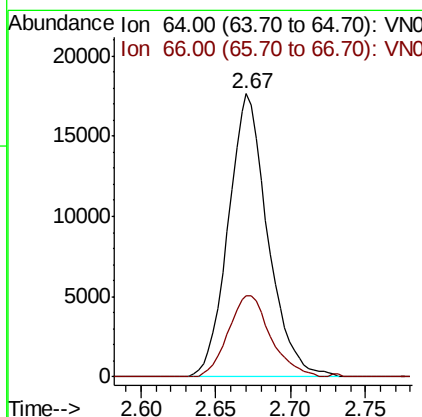
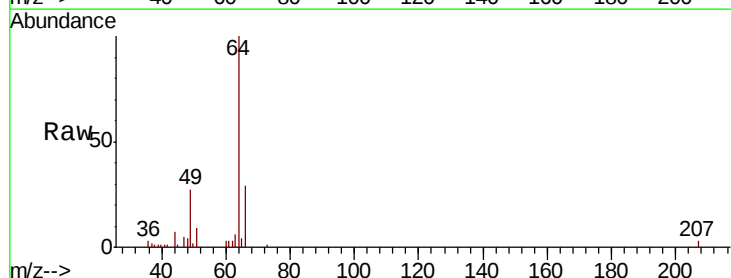
Instrument :
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 VSTDCCC020

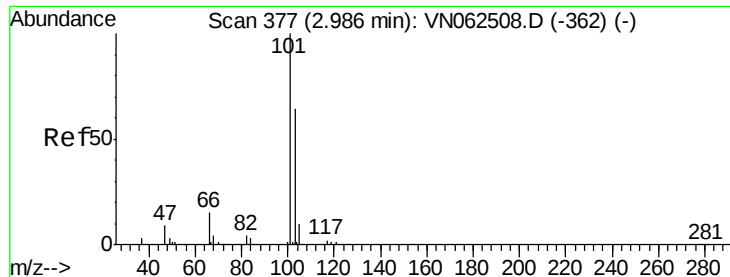
Tot Ion: 94 Resp: 28652
 Ion Ratio Lower Upper
 94 100
 96 94.2 70.2 105.4



#6
 Chloroethane
 Concen: 19.288 ug/l
 RT: 2.67 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion: 64 Resp: 32420
 Ion Ratio Lower Upper
 64 100
 66 28.8 24.9 37.3



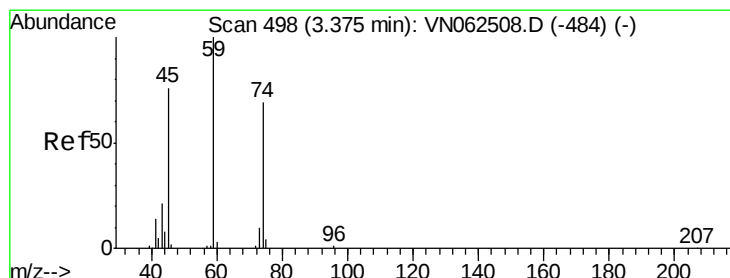
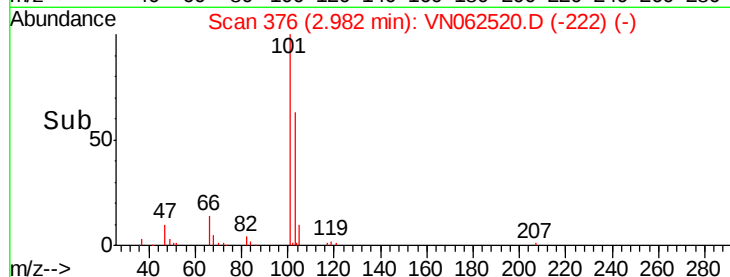
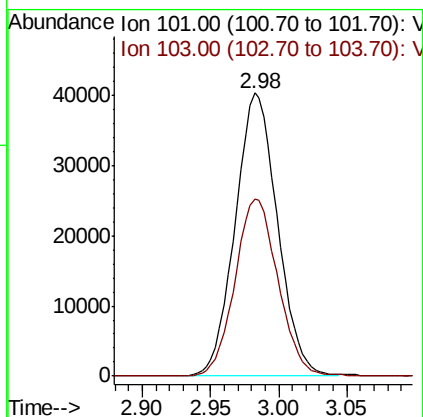
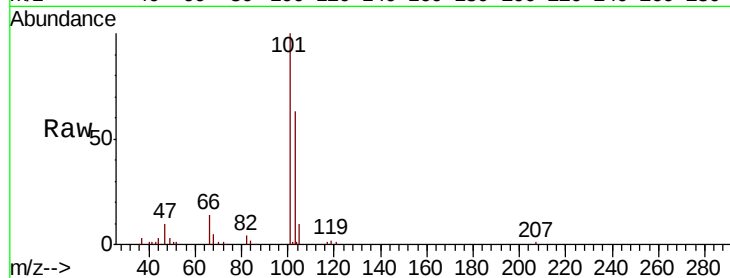


#7

Trichlorofluoromethane
Concen: 21.683 ug/l
RT: 2.98 min Scan# 376
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Instrument :
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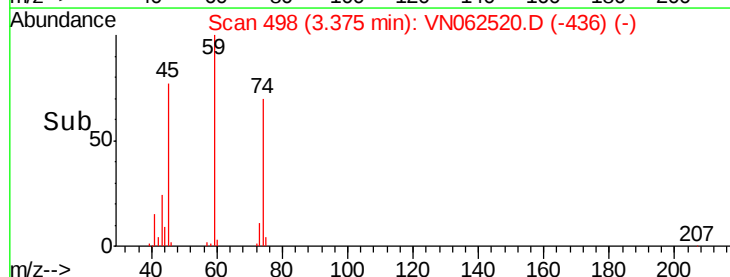
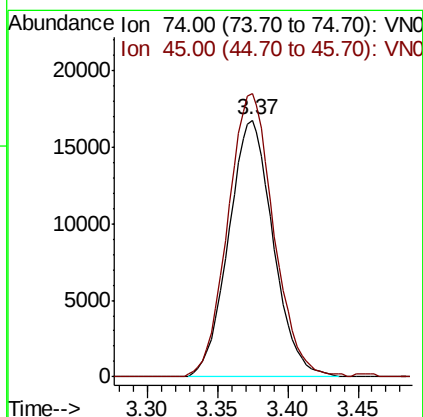
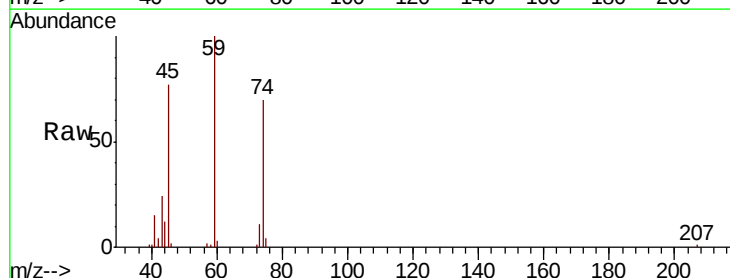
Tot Ion:101 Resp: 86769
Ion Ratio Lower Upper
101 100
103 62.5 50.9 76.3

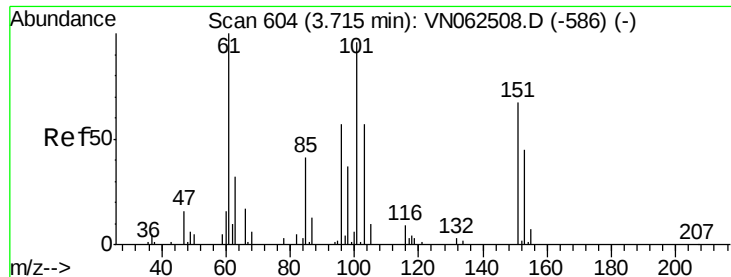


#8

Diethyl Ether
Concen: 19.224 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 74 Resp: 36981
Ion Ratio Lower Upper
74 100
45 113.6 21.8 196.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.089 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

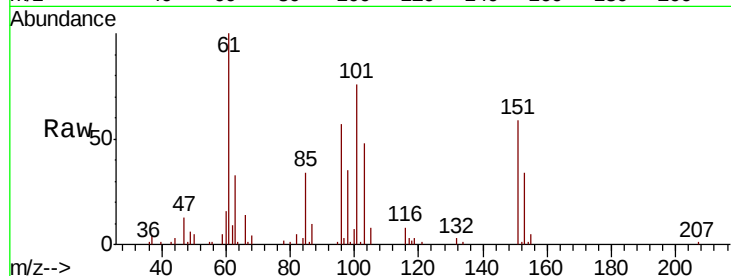
Tot Ion:101 Resp: 51970

Ion Ratio Lower Upper

101 100

85 24.8 0.0 90.4

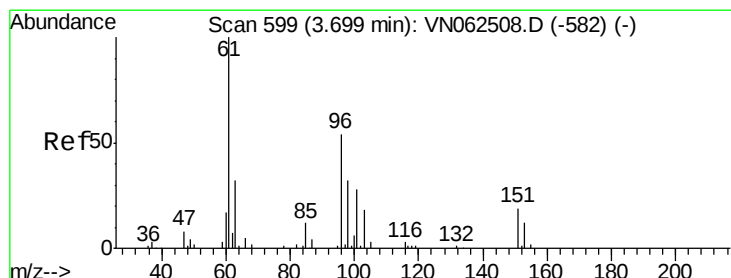
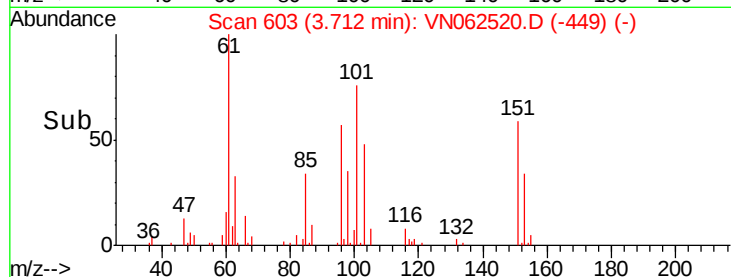
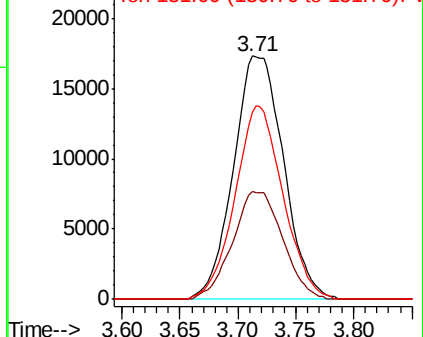
151 76.1 0.0 145.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.811 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

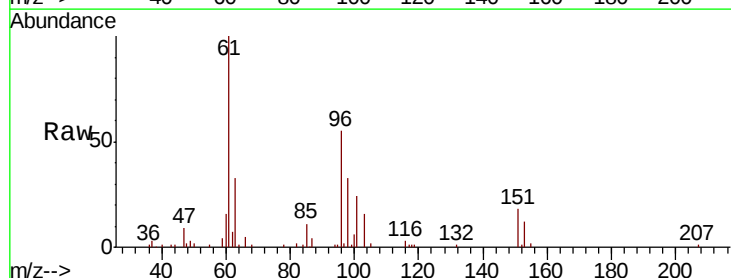
Tgt Ion: 96 Resp: 52285

Ion Ratio Lower Upper

96 100

61 181.8 147.8 221.8

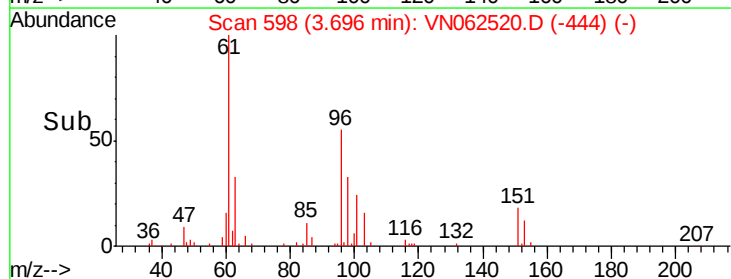
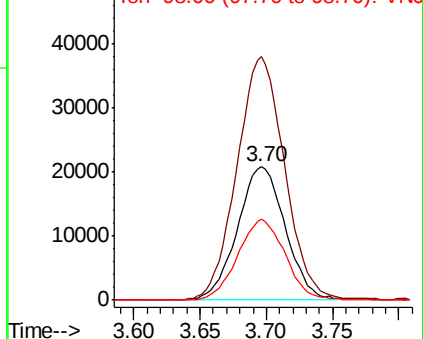
98 61.1 47.8 71.8

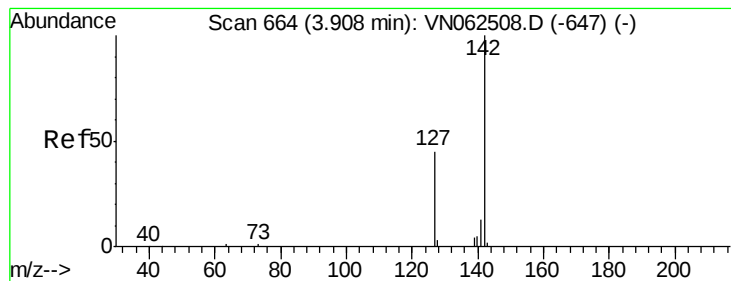


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 19.760 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

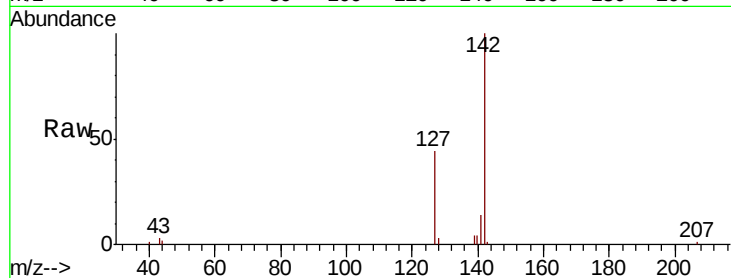
Tot Ion:142 Resp: 63863

Ion Ratio Lower Upper

142 100

127 44.5 22.1 66.5

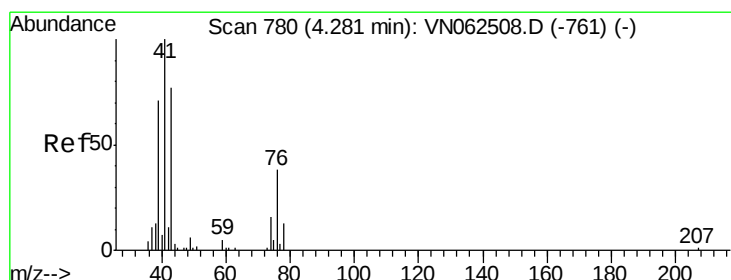
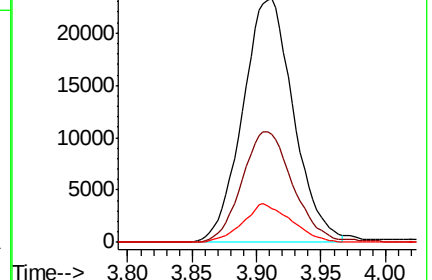
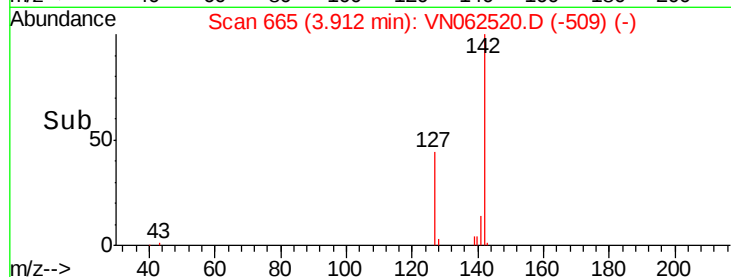
141 14.0 6.5 19.4



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.695 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.01 min

Lab File: VN062520.D

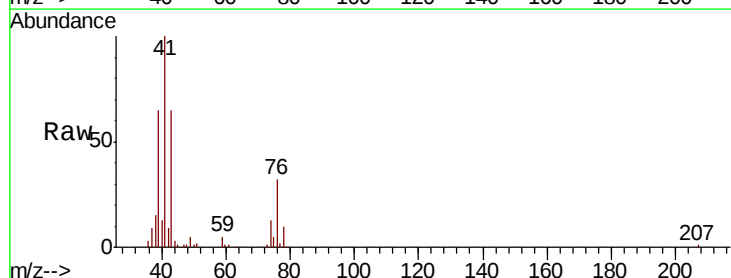
Acq: 14 Jul 2020 9:32

Tgt Ion: 43 Resp: 69712

Ion Ratio Lower Upper

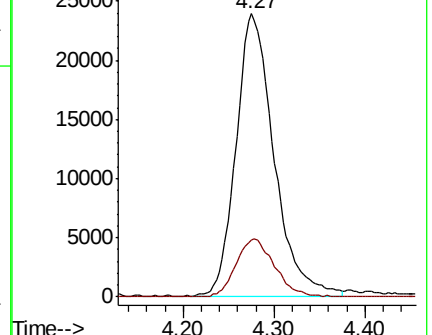
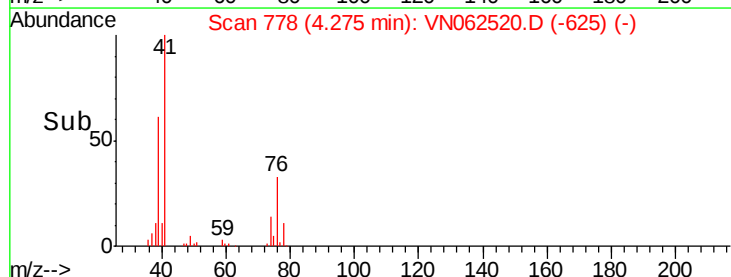
43 100

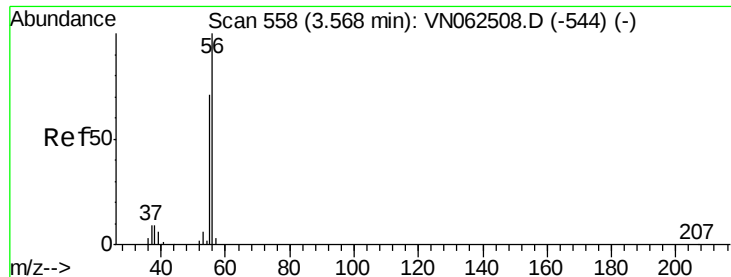
74 20.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 105.309 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

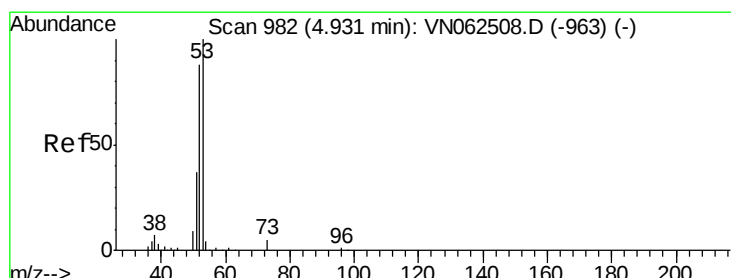
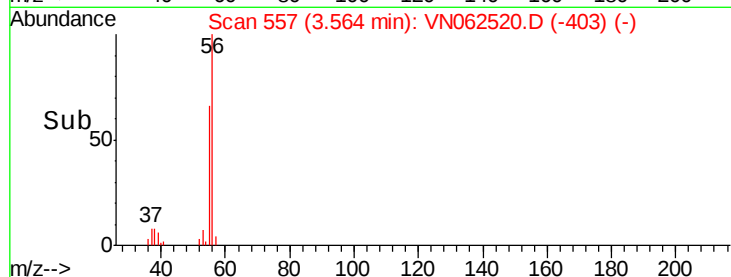
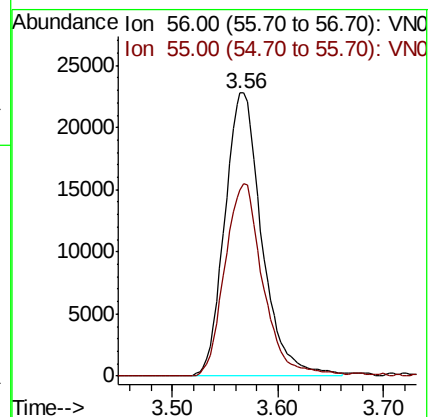
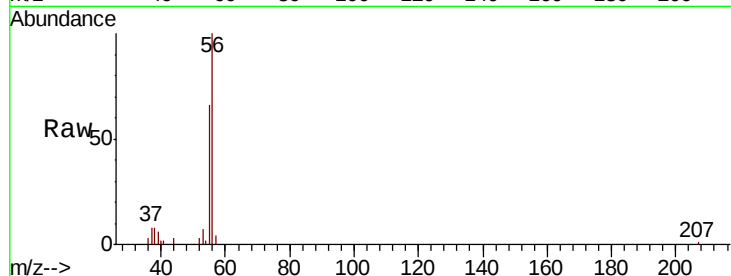
VSTDCCC020

Tot Ion: 56 Resp: 55691

Ion Ratio Lower Upper

56 100

55 69.1 56.0 84.0



#14

Acrylonitrile

Concen: 95.624 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

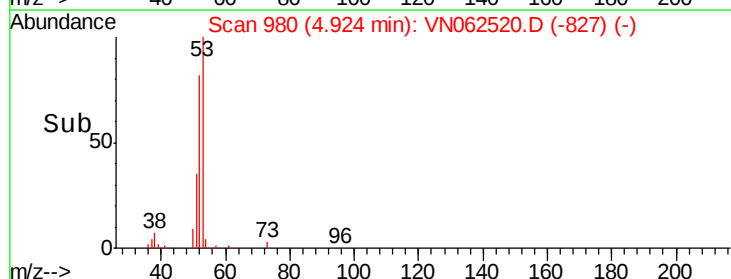
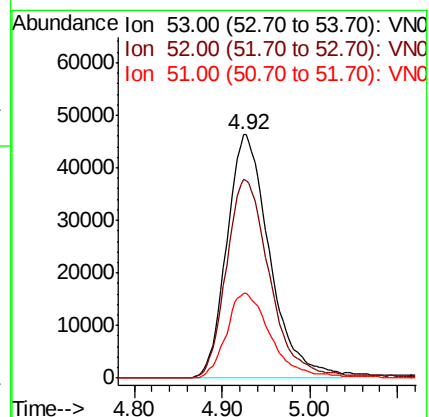
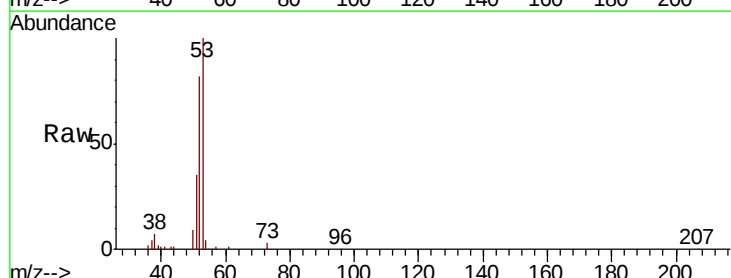
Tgt Ion: 53 Resp: 157413

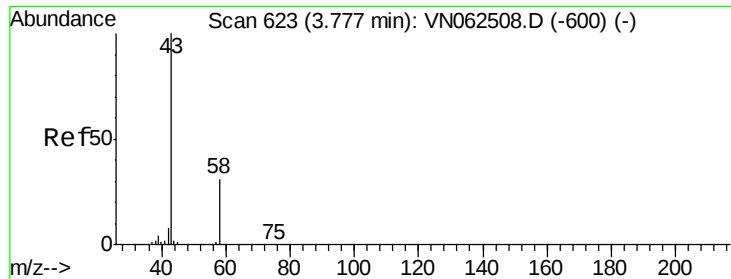
Ion Ratio Lower Upper

53 100

52 81.6 41.8 125.4

51 36.2 18.5 55.5





#15

Acetone

Concen: 112.773 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.01 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

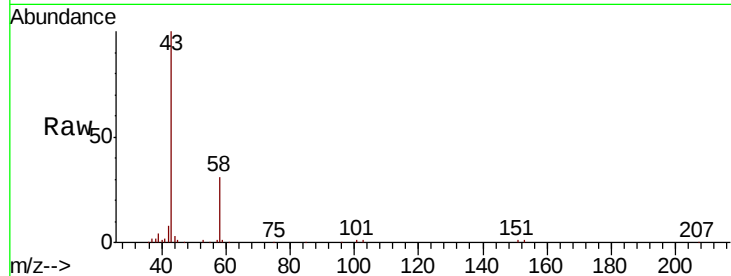
VSTDCCC020

Tot Ion: 58 Resp: 56988

Ion Ratio Lower Upper

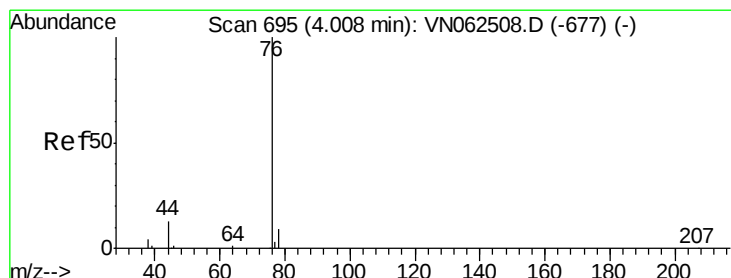
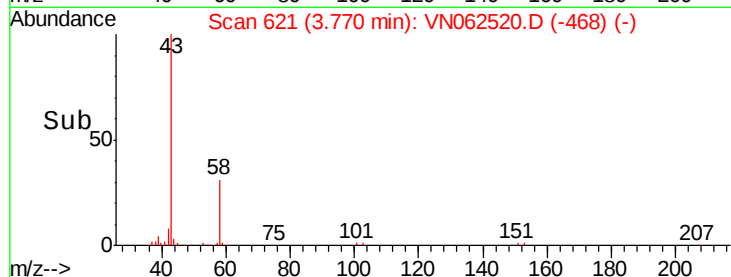
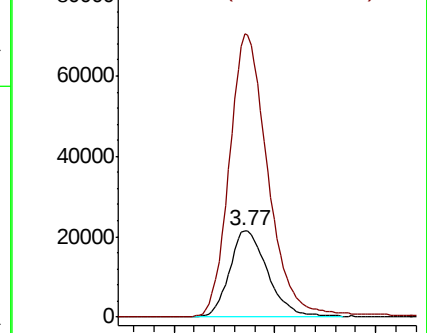
58 100

43 326.5 261.1 391.7



Abundance Ion 58.00 (57.70 to 58.70): VN062520.D (-540) (-)

Ion 43.00 (42.70 to 43.70): VN062520.D (-468) (-)



#16

Carbon Disulfide

Concen: 19.635 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062520.D

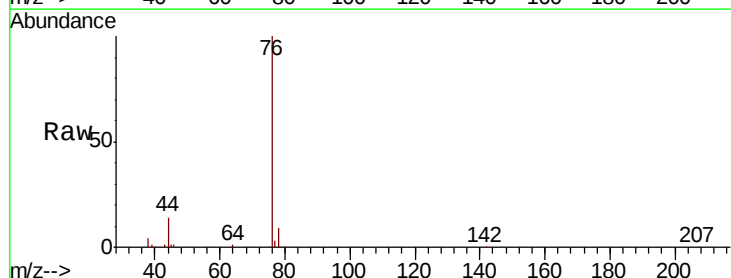
Acq: 14 Jul 2020 9:32

Tgt Ion: 76 Resp: 168869

Ion Ratio Lower Upper

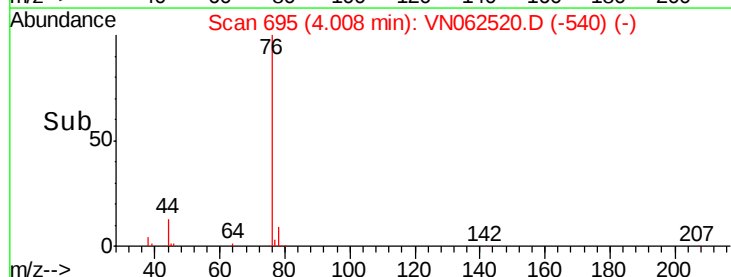
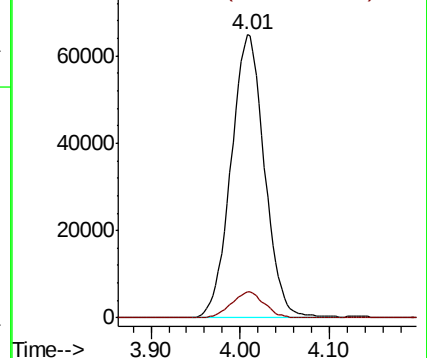
76 100

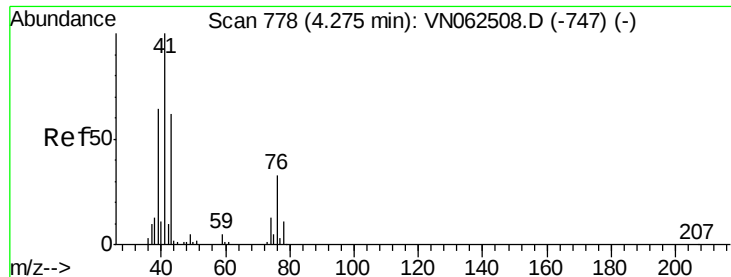
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN062520.D (-540) (-)

Ion 78.00 (77.70 to 78.70): VN062520.D (-540) (-)





#17

Allvl chloride

Concen: 20.504 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

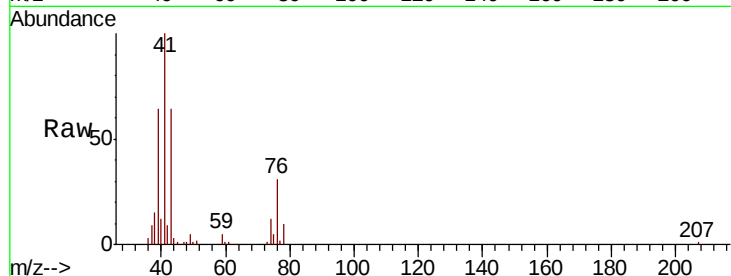
Tot Ion: 41 Resp: 115089

Ion Ratio Lower Upper

41 100

39 63.9 31.9 95.5

76 31.3 16.6 49.8

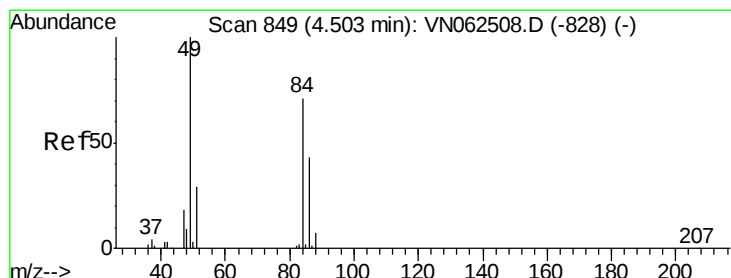
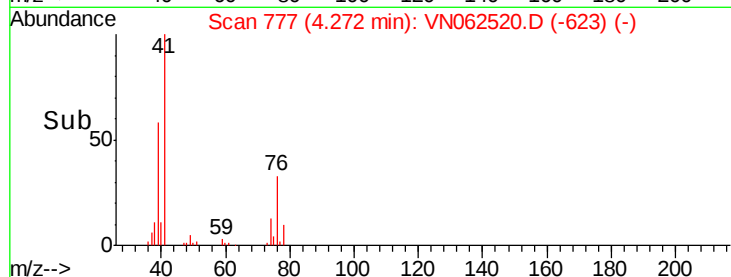
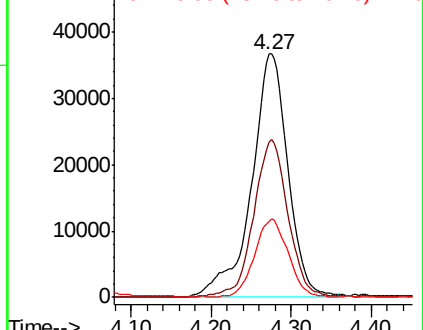


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 19.614 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Tgt Ion: 84 Resp: 63693

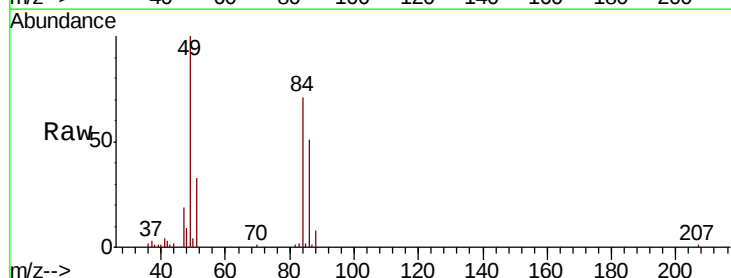
Ion Ratio Lower Upper

84 100

49 140.0 112.1 168.1

51 46.5 33.0 49.4

86 71.7 48.2 72.4



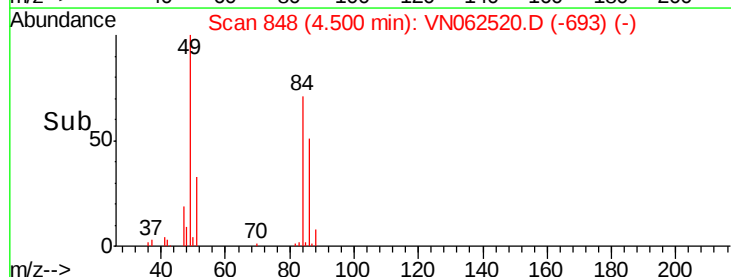
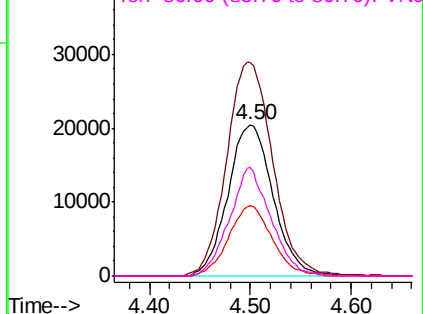
Abundance

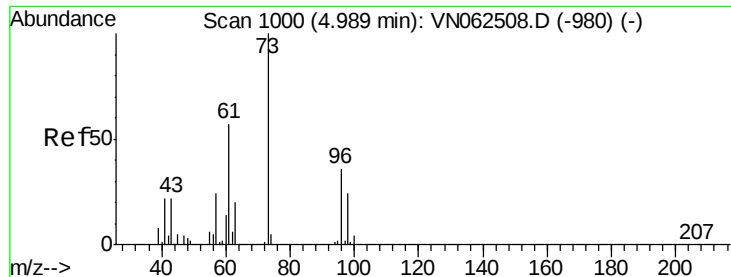
Ion 84.00 (83.70 to 84.70): VN0

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

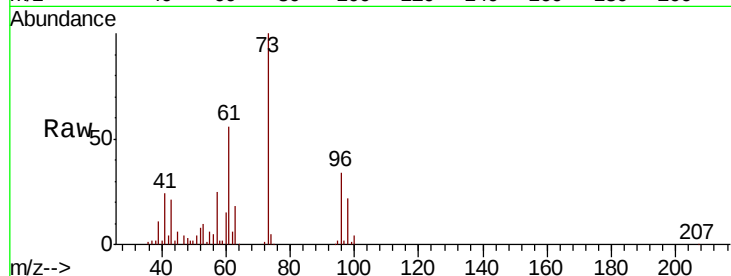




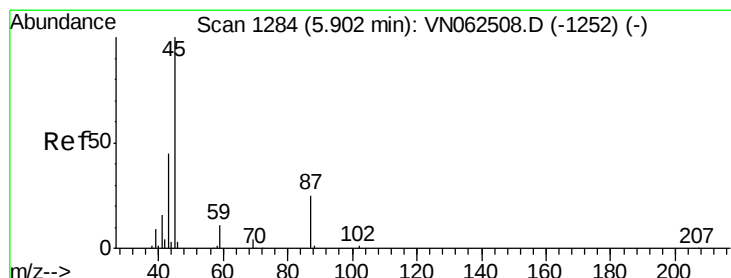
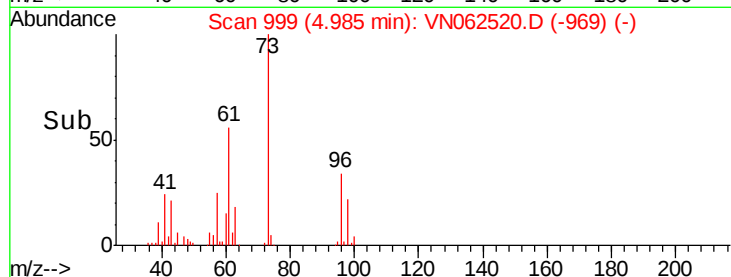
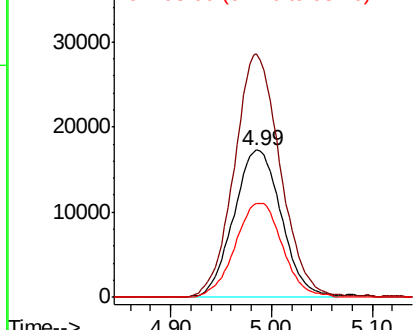
#19
trans-1,2-Dichloroethene
Concen: 19.438 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 56778
Ion Ratio Lower Upper
96 100
61 165.4 125.7 188.5
98 63.8 54.1 81.1

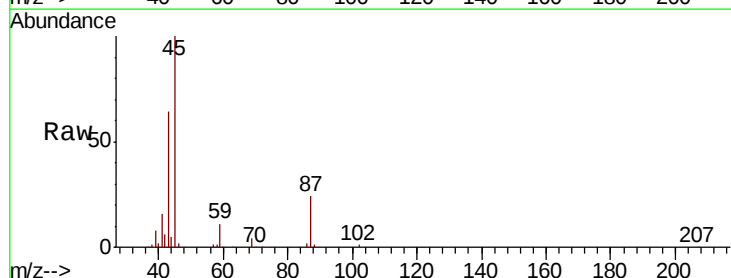


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

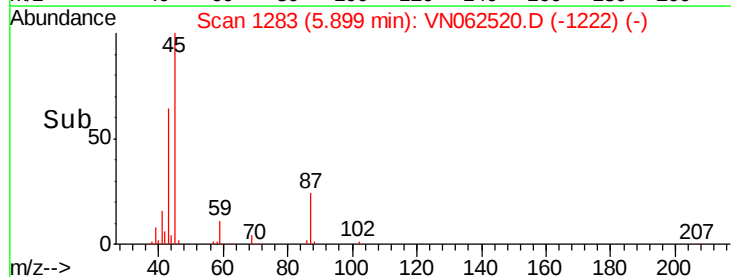
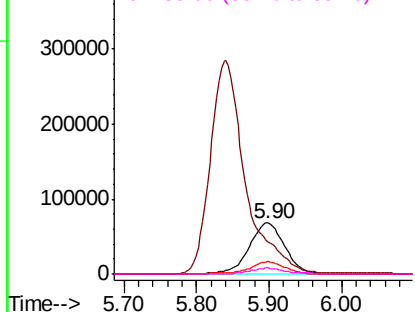


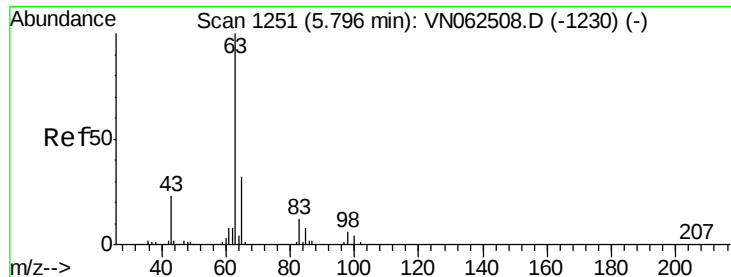
#20
Diisopropyl ether
Concen: 20.144 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 45 Resp: 232430
Ion Ratio Lower Upper
45 100
43 61.0 51.3 76.9
87 24.2 19.8 29.6
59 11.2 8.8 13.2



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





#21

1,1-Dichloroethane

Concen: 19.801 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

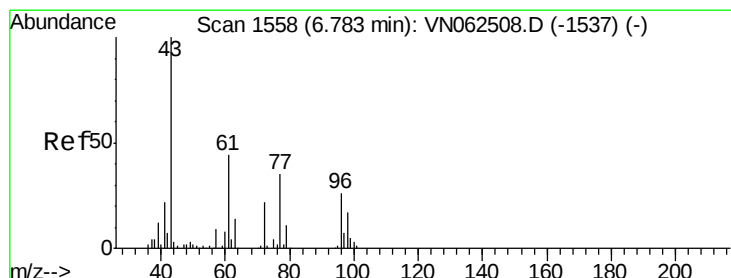
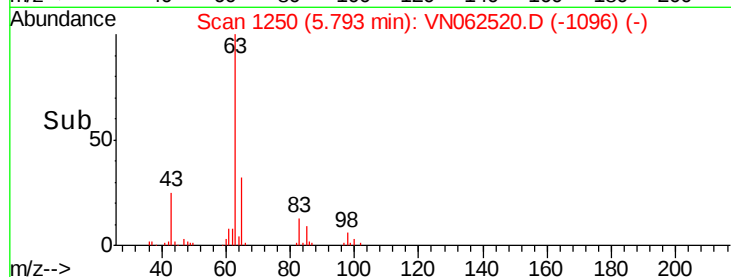
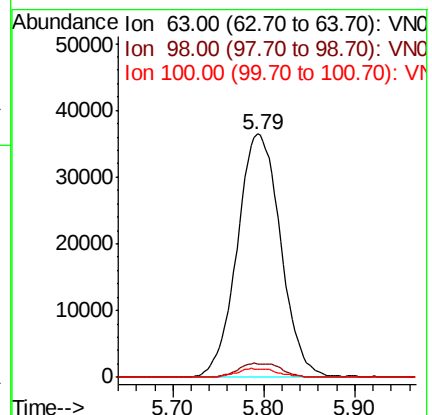
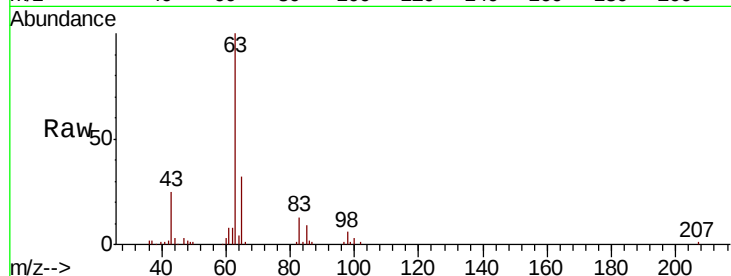
Tot Ion: 63 Resp: 120789

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.4 2.0 5.8



#22

cis-1,2-Dichloroethene

Concen: 19.784 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

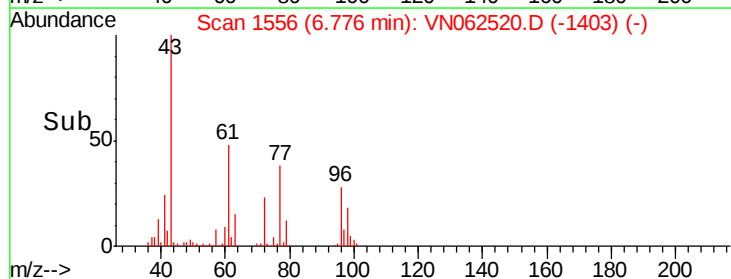
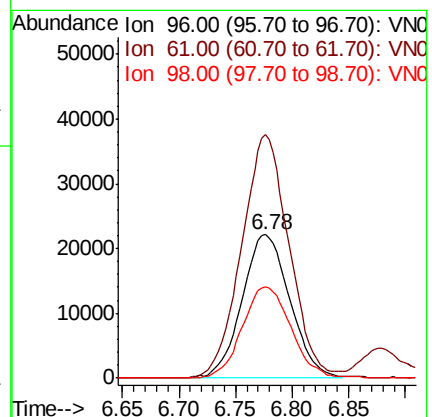
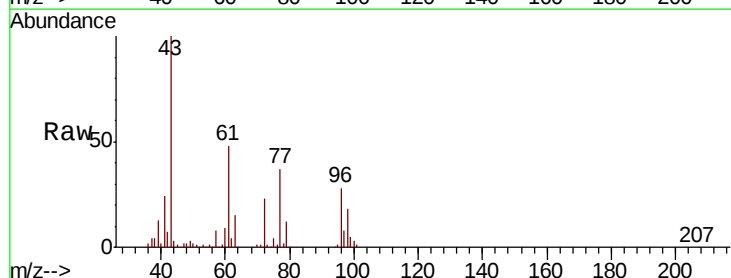
Tgt Ion: 96 Resp: 65172

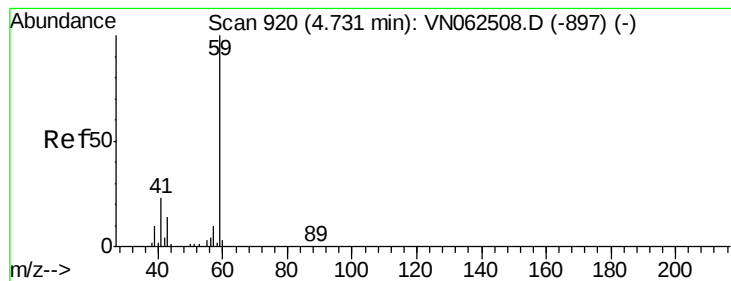
Ion Ratio Lower Upper

96 100

61 168.3 134.9 202.3

98 64.4 51.5 77.3





#23

tert-Butyl Alcohol

Concen: 97.503 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

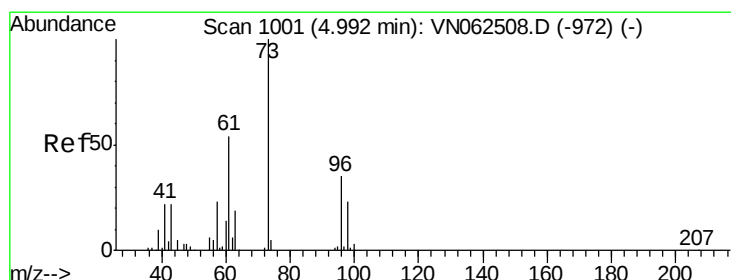
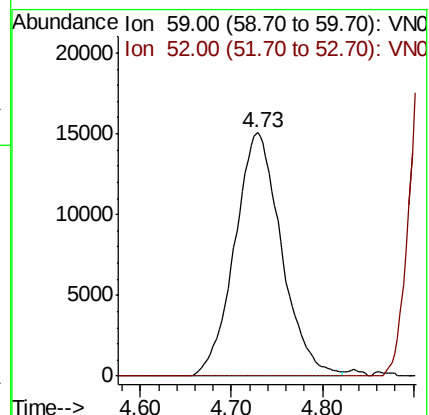
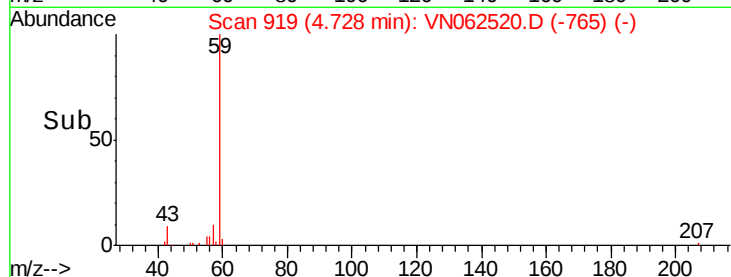
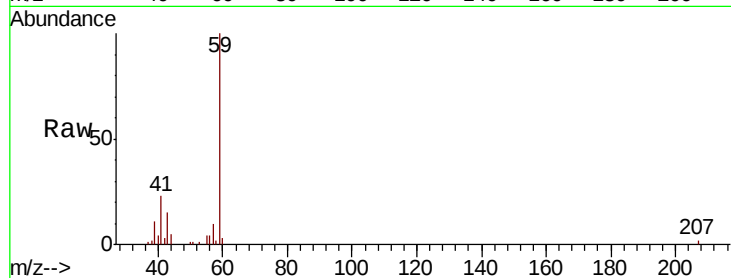
VSTDCCC020

Tot Ion: 59 Resp: 53715

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.375 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN062520.D

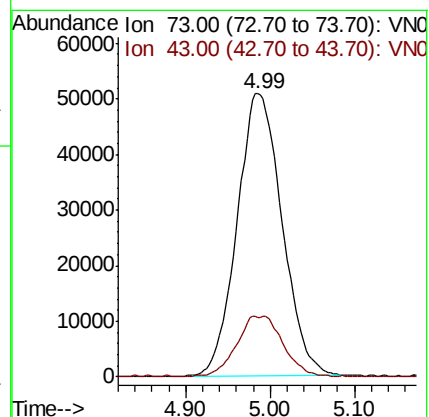
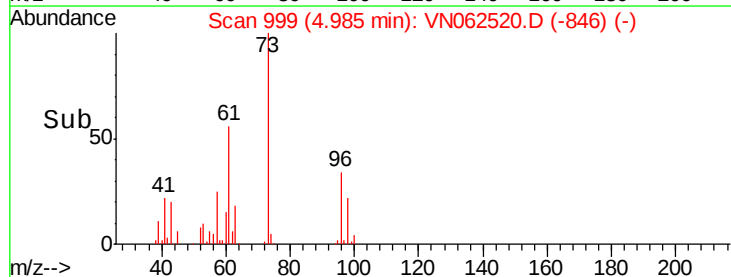
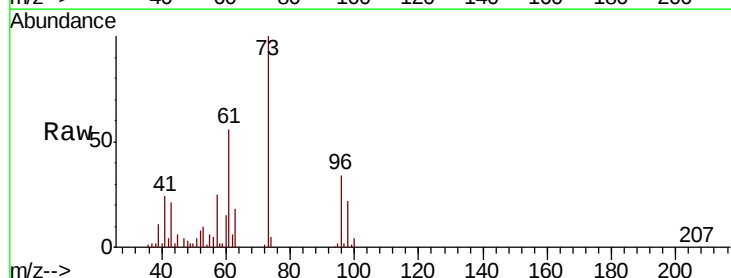
Acq: 14 Jul 2020 9:32

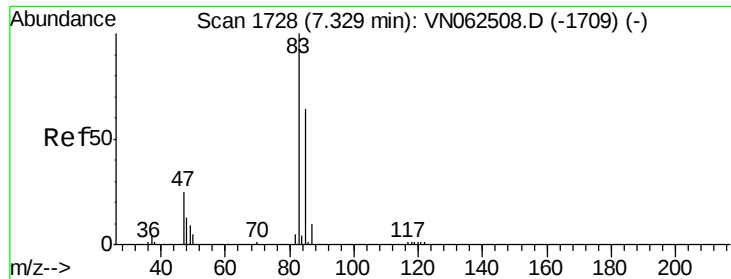
Tgt Ion: 73 Resp: 188517

Ion Ratio Lower Upper

73 100

43 11.9 16.9 25.3#





#25

Chloroform

Concen: 19.819 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

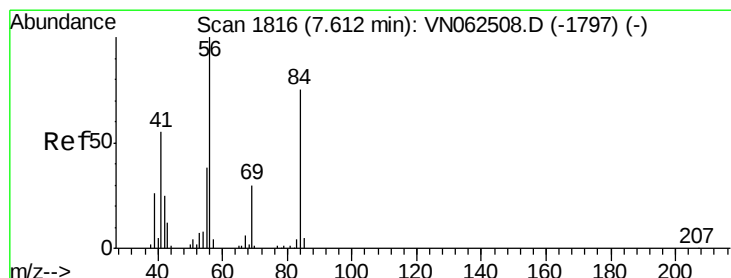
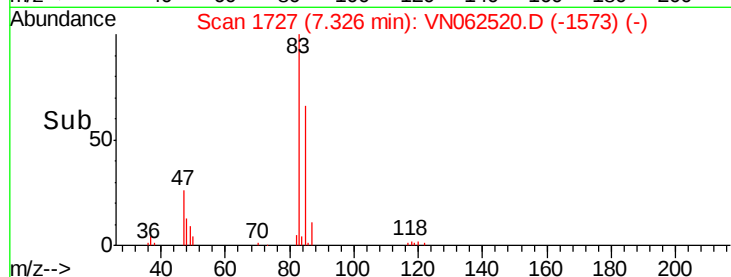
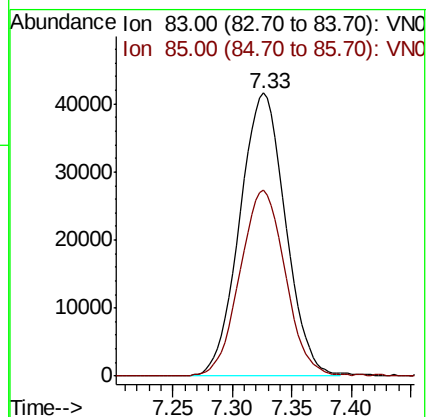
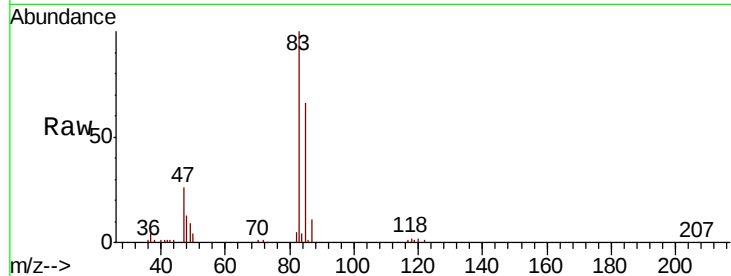
VSTDCCC020

Tot Ion: 83 Resp: 110876

Ion Ratio Lower Upper

83 100

85 65.8 51.0 76.4



#26

Cyclohexane

Concen: 19.911 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

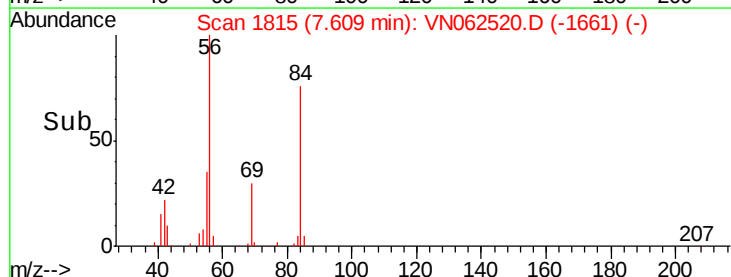
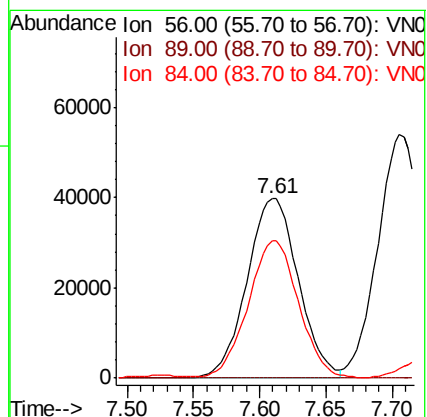
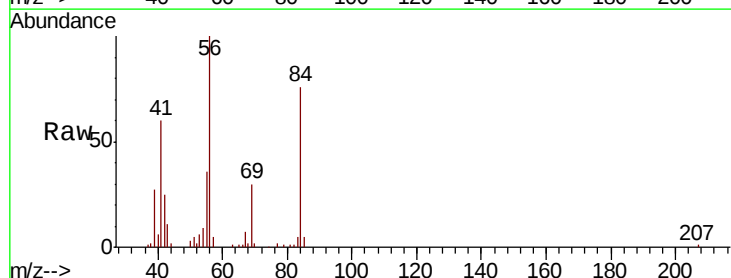
Tgt Ion: 56 Resp: 107057

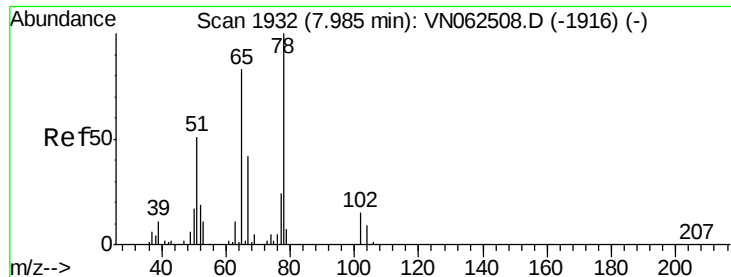
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 75.3 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 29.593 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

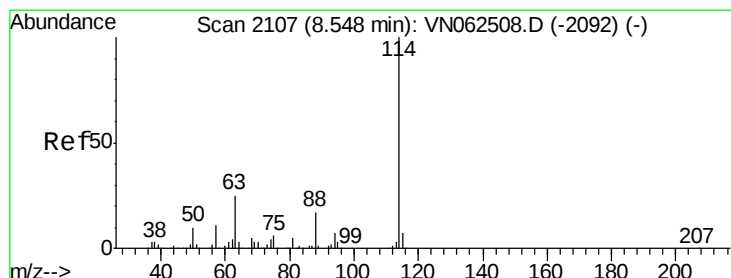
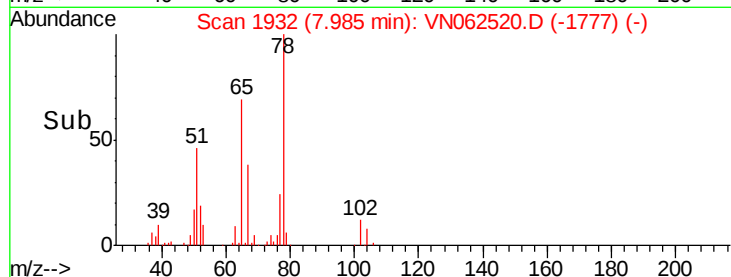
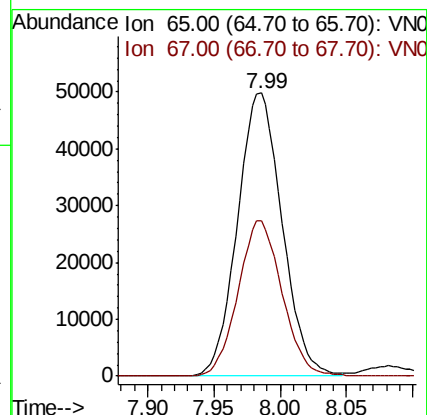
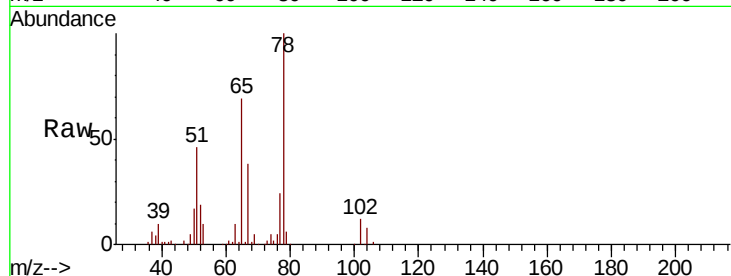
VSTDCCC020

Tot Ion: 65 Resp: 116511

Ion Ratio Lower Upper

65 100

67 54.0 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: VN062520.D

Acq: 14 Jul 2020 9:32

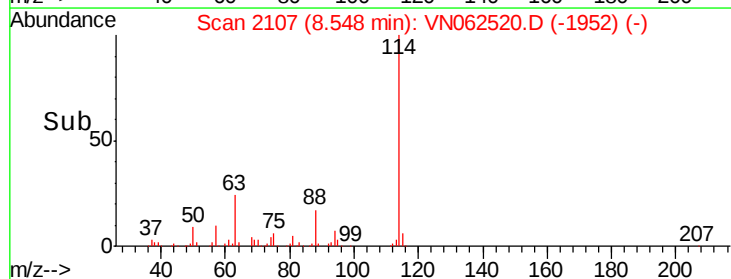
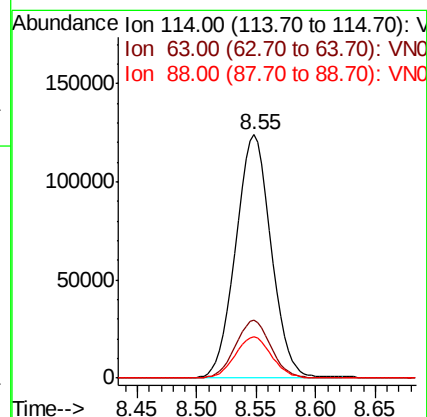
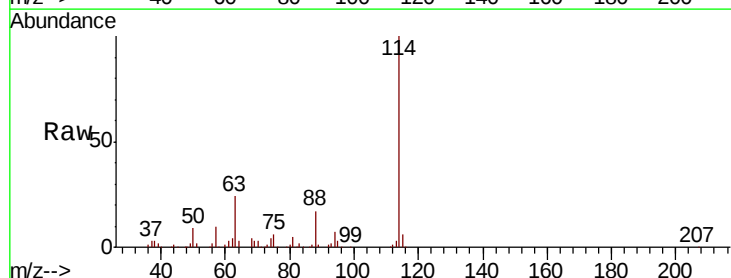
Tgt Ion: 114 Resp: 256907

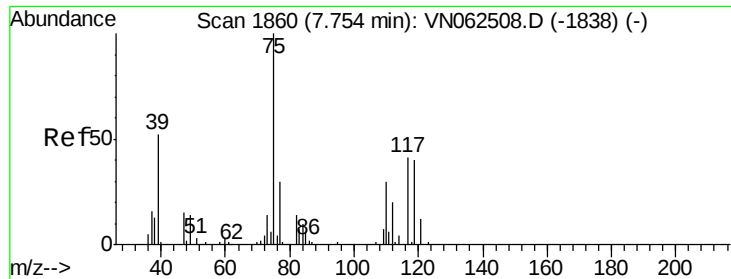
Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.0

88 17.4 13.5 20.3

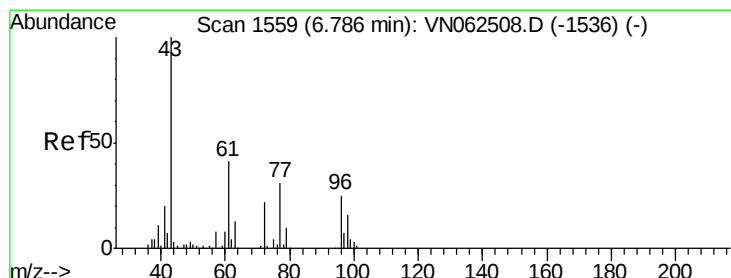
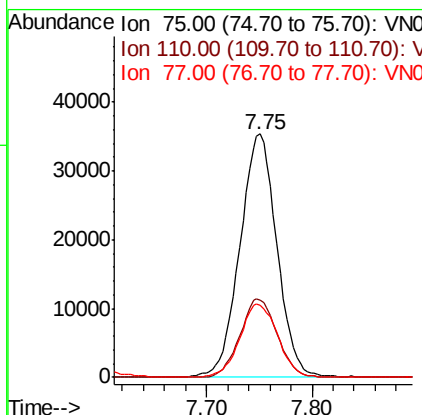
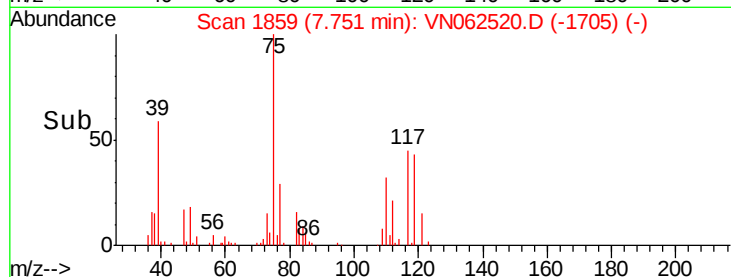
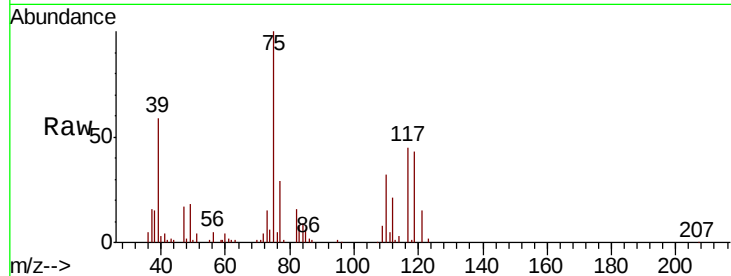




#29
 1,1-Dichloropropene
 Concen: 19.811 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

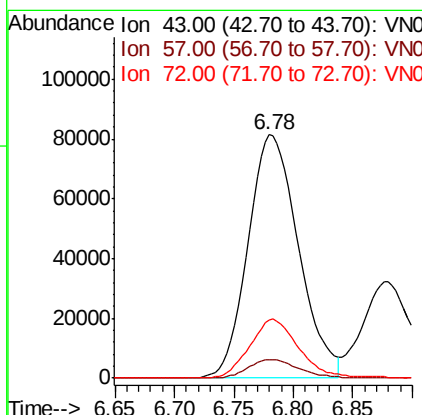
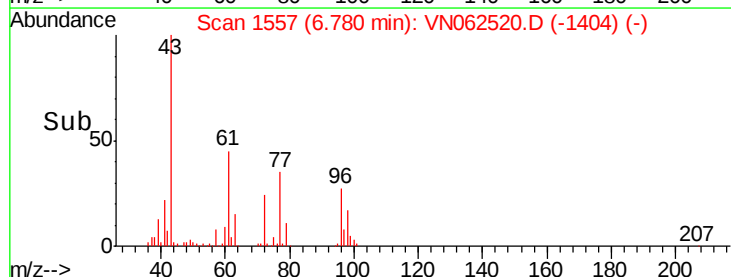
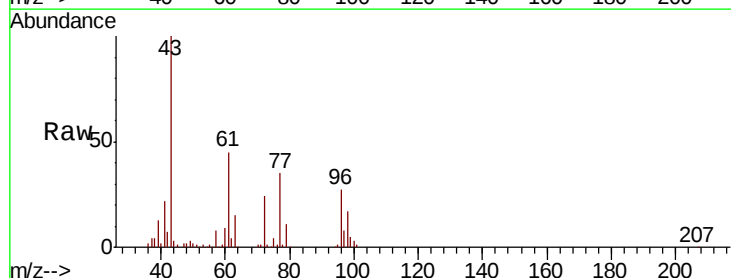
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

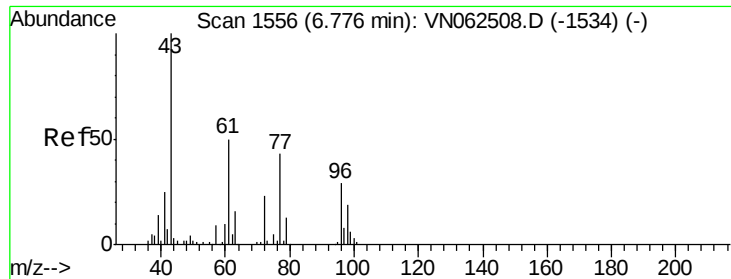
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.2	0.0	62.4
77	30.8	0.0	62.8



#30
 2-Butanone
 Concen: 103.389 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.6	9.8
72	23.6	18.5	27.7

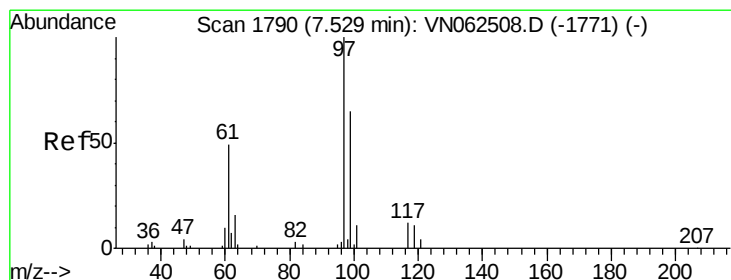
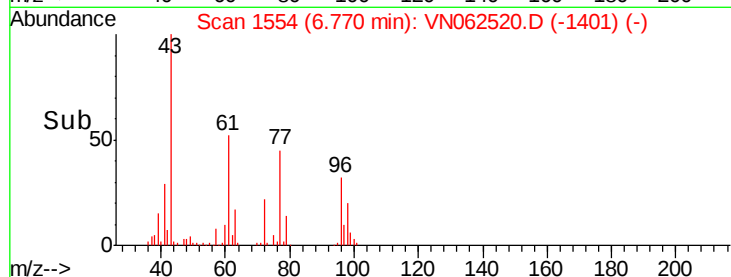
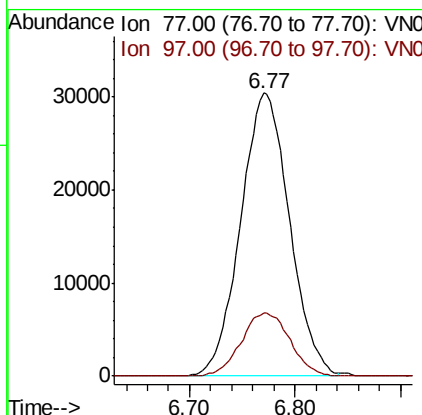
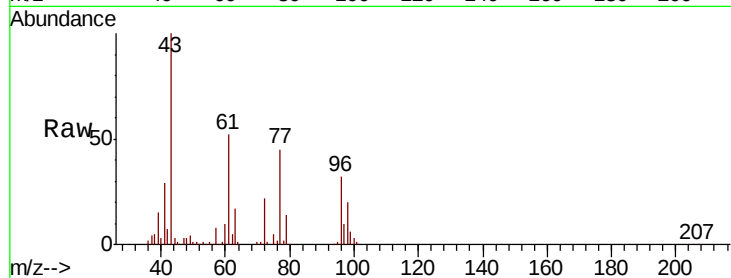




#31
 2,2-Dichloropropane
 Concen: 19.920 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

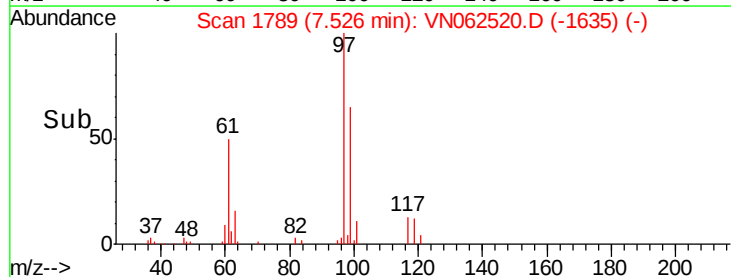
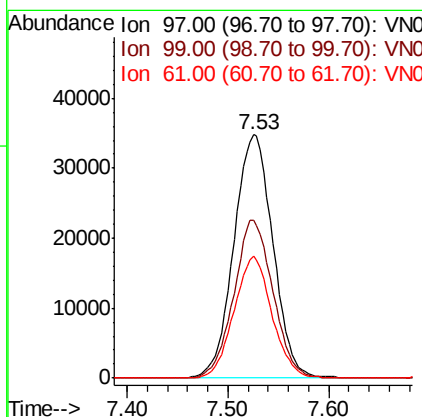
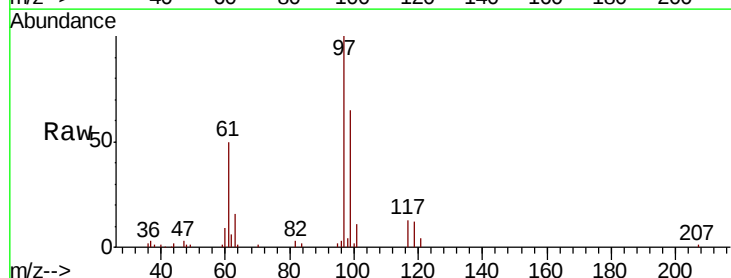
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

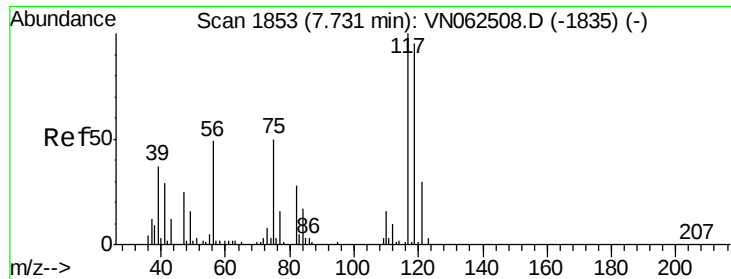
Tot Ion: 77 Resp: 97878
 Ion Ratio Lower Upper
 77 100
 97 22.2 8.6 12.8#



#32
 1,1,1-Trichloroethane
 Concen: 19.984 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion: 97 Resp: 93597
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.8
 61 48.4 39.4 59.0

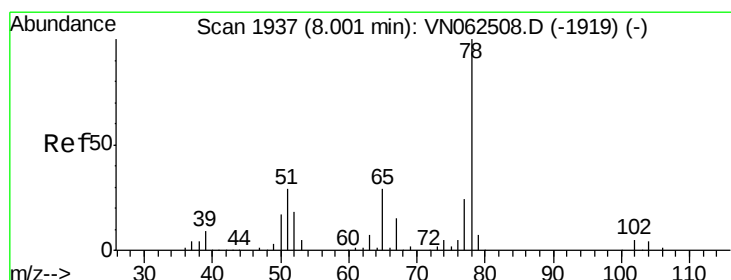
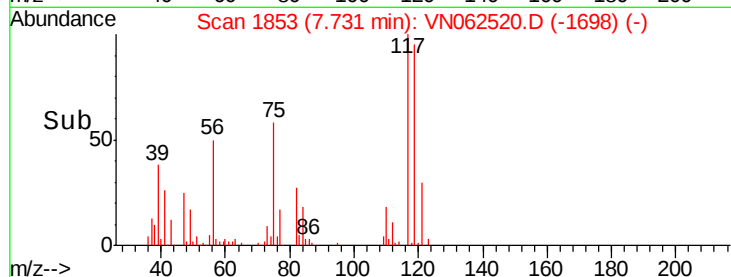
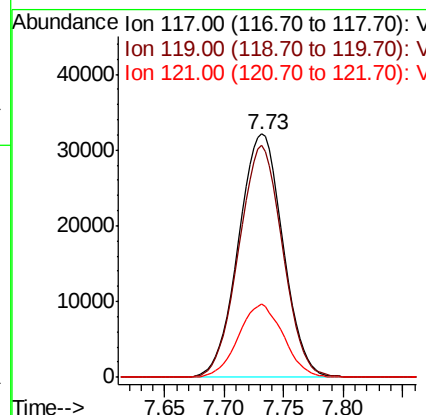
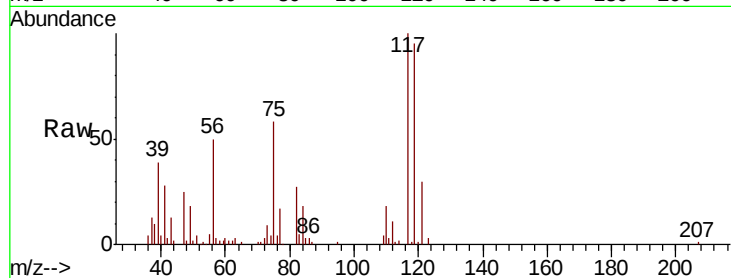




#33
Carbon Tetrachloride
Concen: 20.470 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

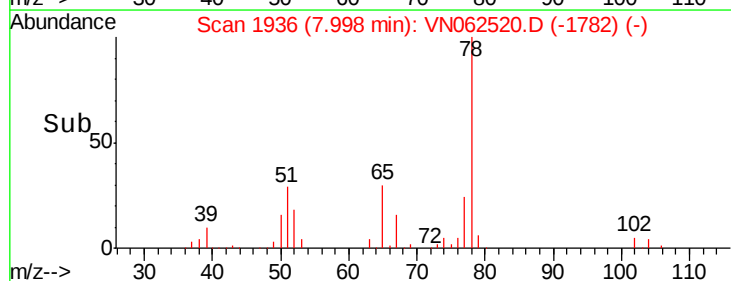
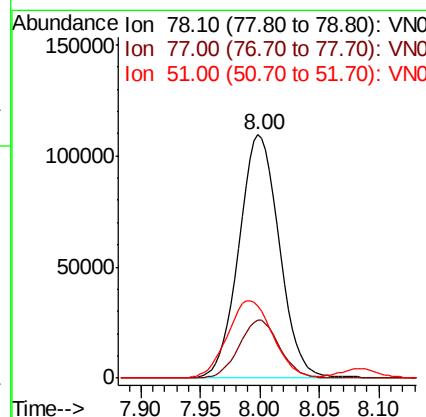
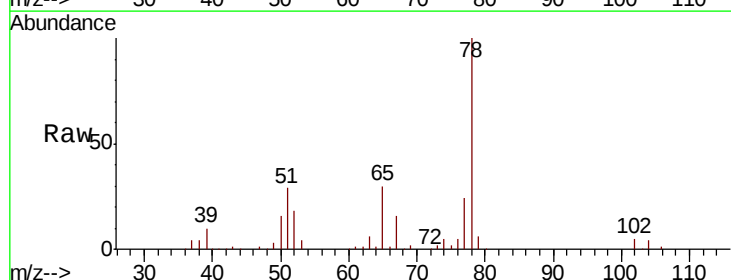
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

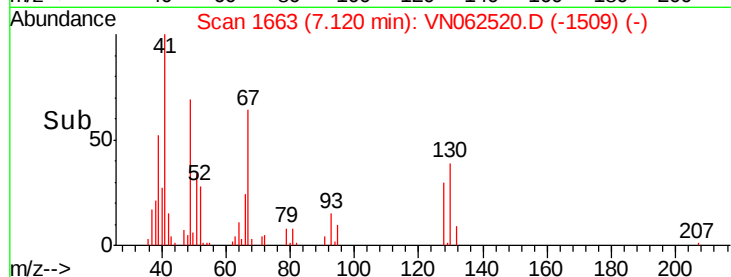
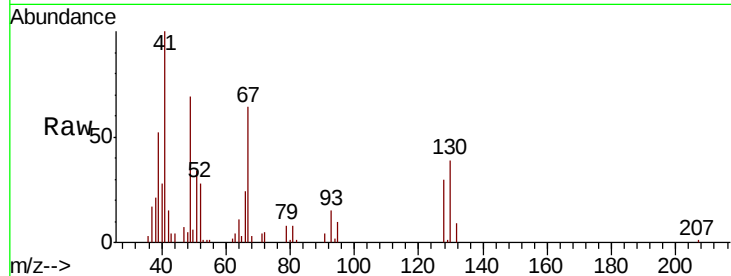
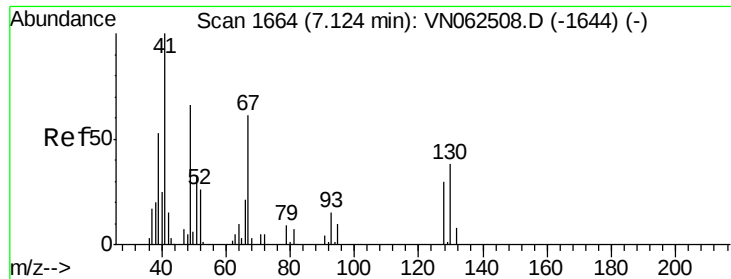
Tot Ion:117 Resp: 83110
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.4
121 30.2 23.8 35.6



#34
Benzene
Concen: 19.866 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 78 Resp: 257195
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3
51 28.9 23.1 34.7

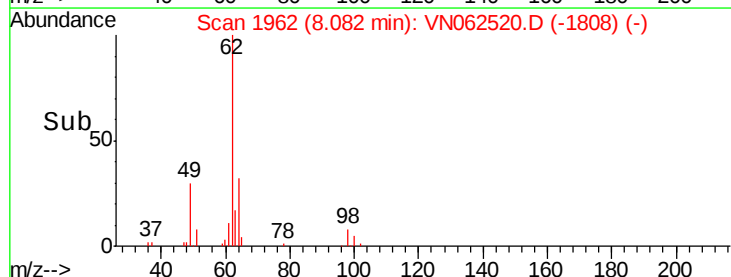
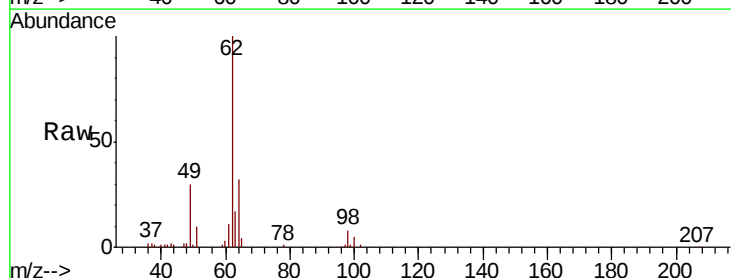
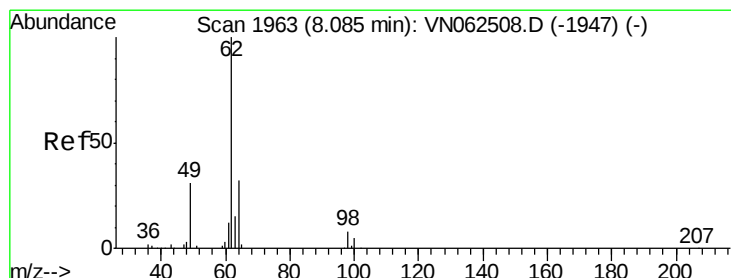
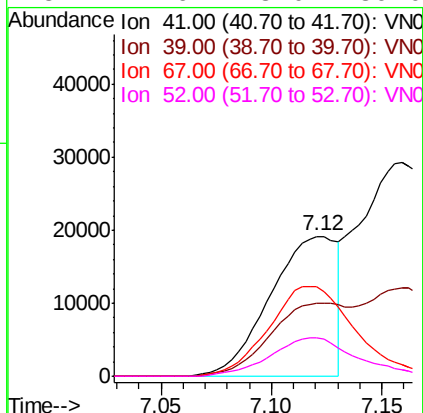




#35
Methacrylonitrile
Concen: 19.867 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

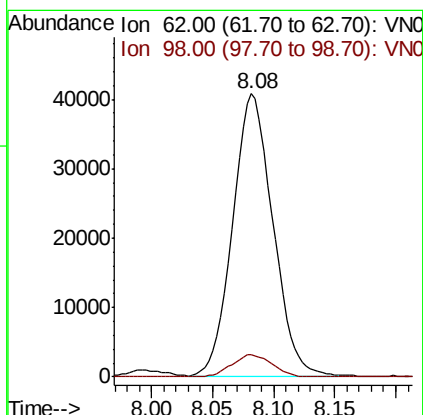
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

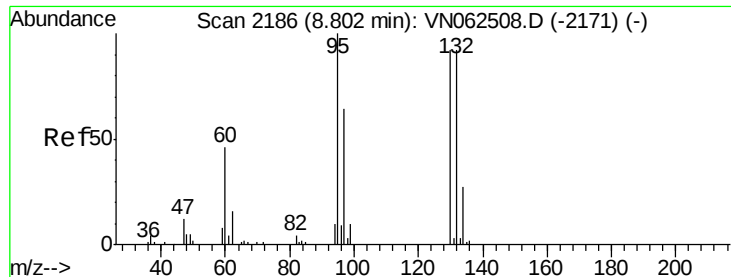
Tot Ion:	41	Resp:	40331
Ion	Ratio	Lower	Upper
41	100		
39	52.4	26.5	79.5
67	63.7	30.7	92.1
52	27.6	13.0	39.0



#36
1,2-Dichloroethane
Concen: 20.128 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion:	62	Resp:	93662
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.6	9.8

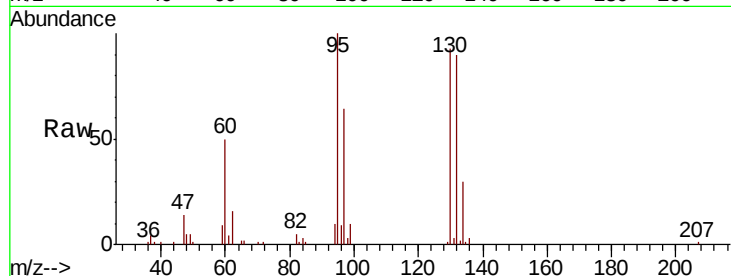




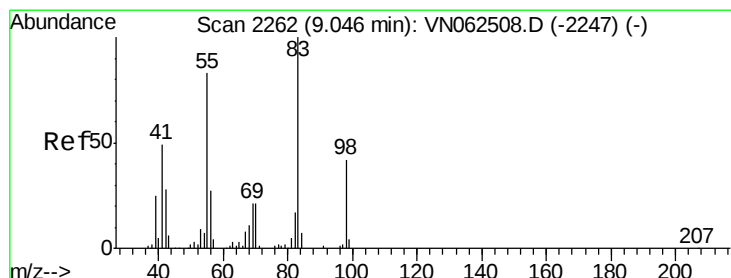
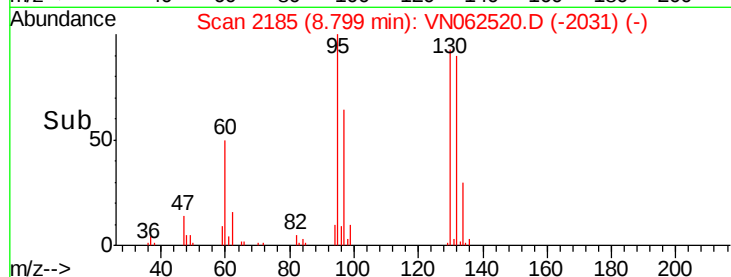
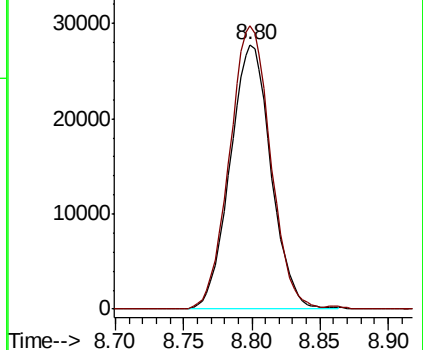
#37
 Trichloroethene
 Concen: 19.865 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 57766
 Ion Ratio Lower Upper
 130 100
 95 107.2 86.5 129.7

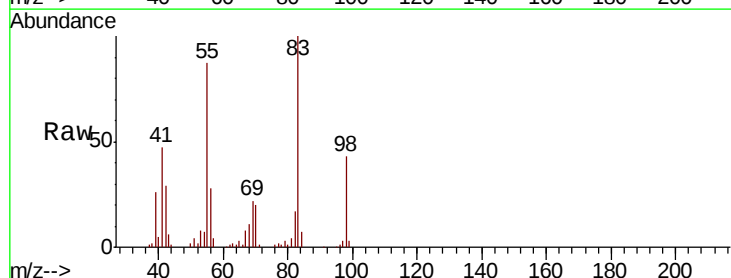


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

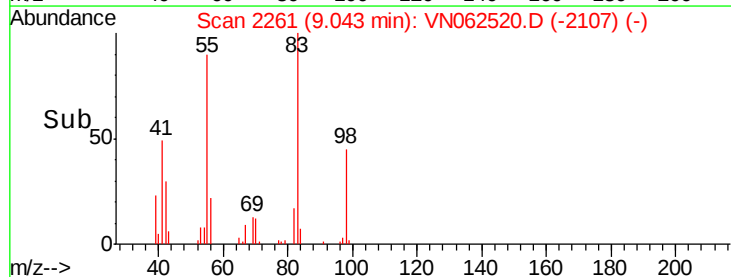
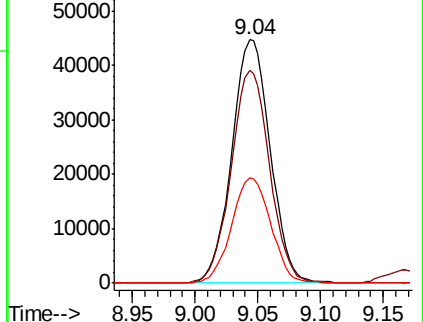


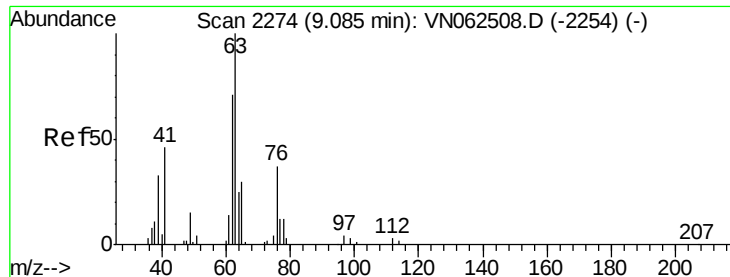
#38
 Methylcyclohexane
 Concen: 19.535 ug/l
 RT: 9.04 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion: 83 Resp: 95498
 Ion Ratio Lower Upper
 83 100
 55 87.2 42.8 128.3
 98 44.0 21.9 65.7



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 20.091 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

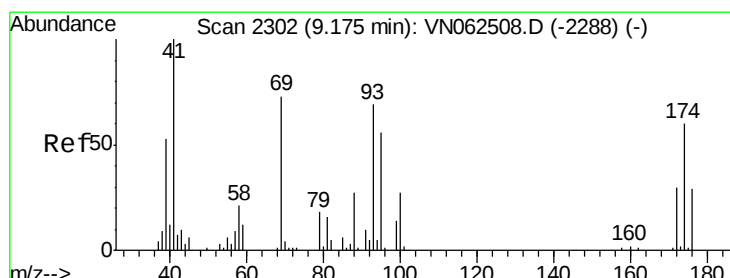
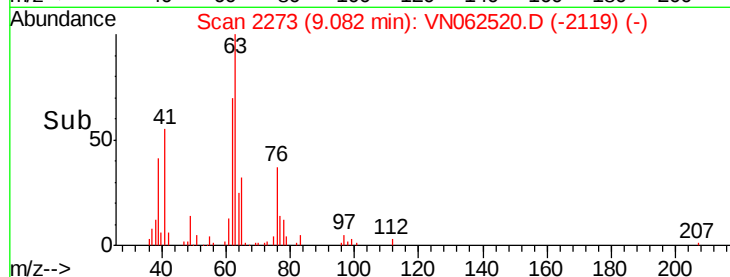
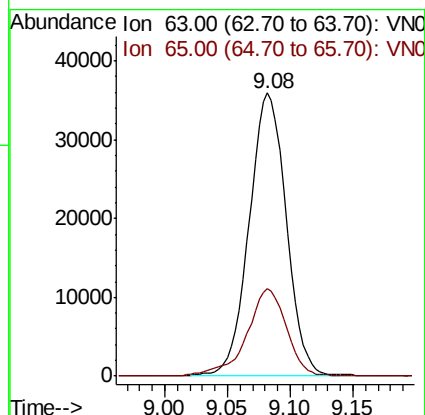
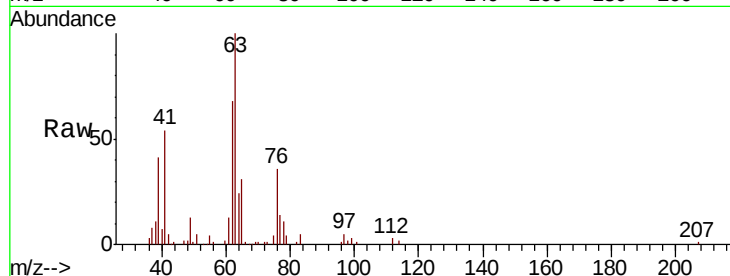
VSTDCCC020

Tot Ion: 63 Resp: 74101

Ion Ratio Lower Upper

63 100

65 30.8 24.2 36.4



#40

Dibromomethane

Concen: 19.607 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

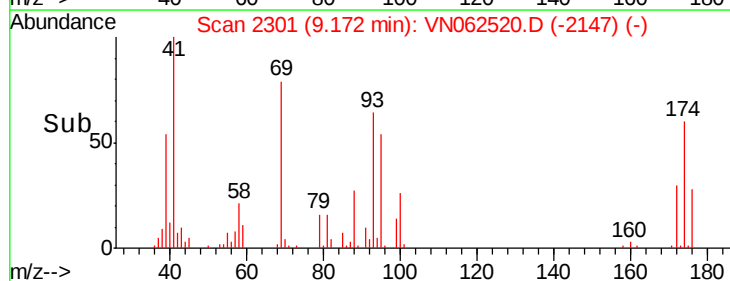
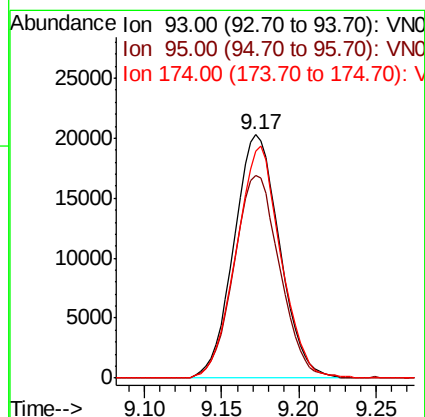
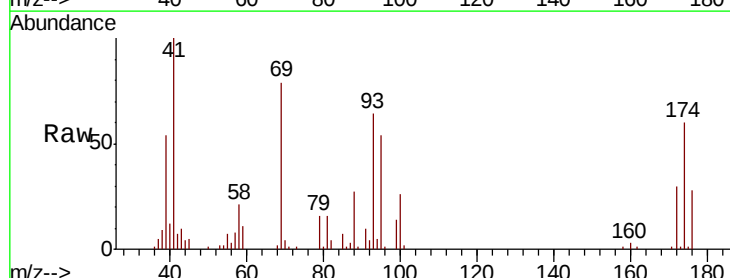
Tgt Ion: 93 Resp: 41678

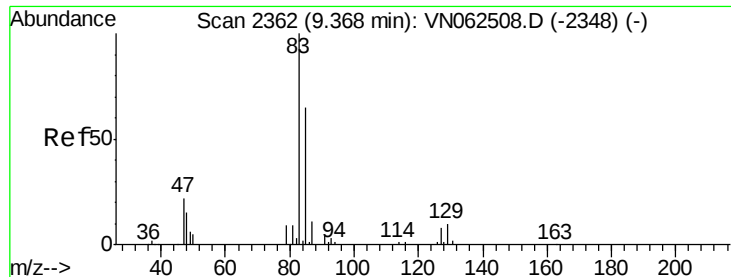
Ion Ratio Lower Upper

93 100

95 83.6 0.0 161.2

174 93.1 0.0 178.0

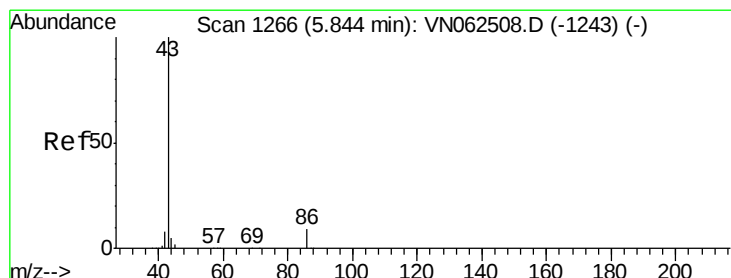
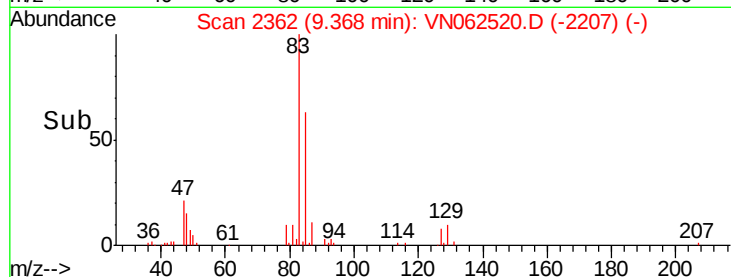
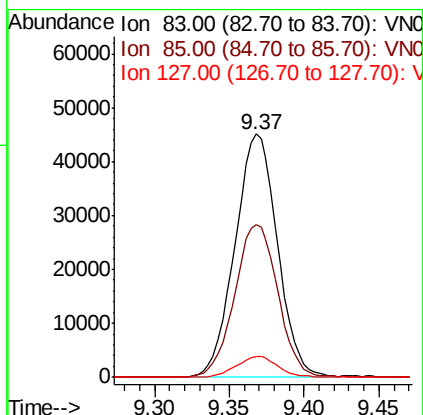
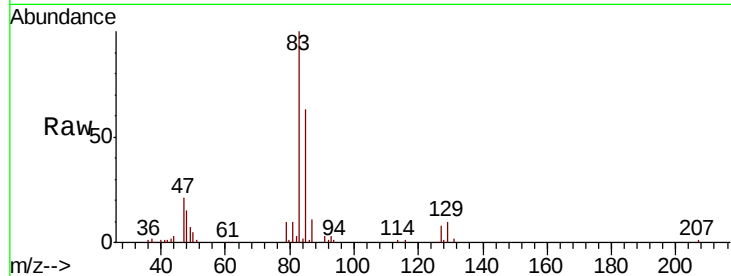




#41
 Bromodichloromethane
 Concen: 19.760 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

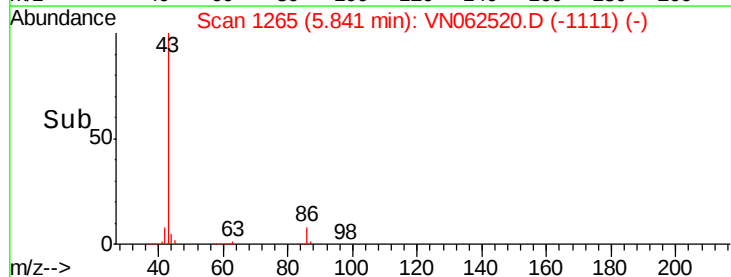
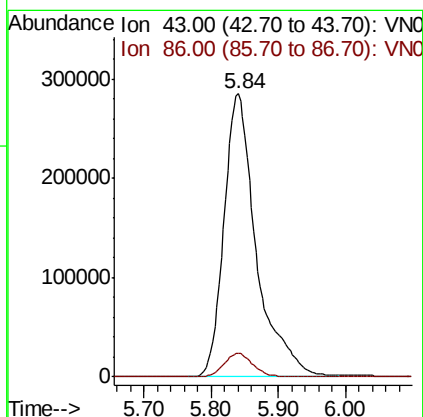
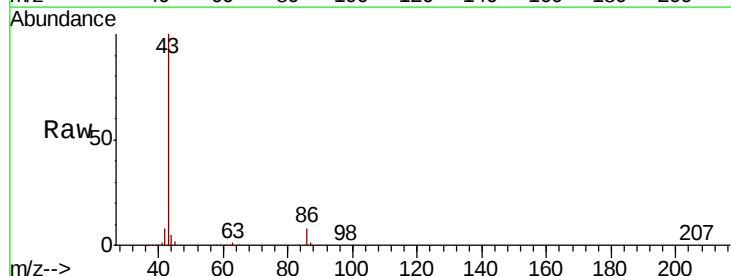
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

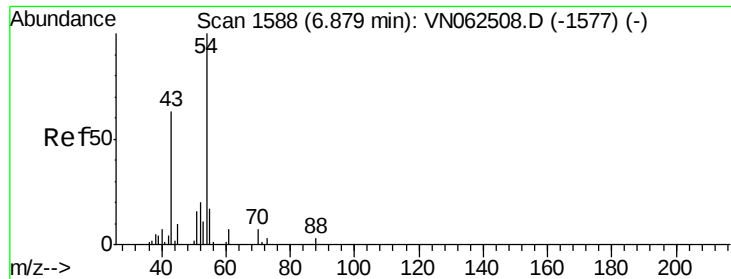
Tot Ion: 83 Resp: 89091
 Ion Ratio Lower Upper
 83 100
 85 62.5 51.6 77.4
 127 9.1 6.3 9.5



#42
 Vinyl Acetate
 Concen: 99.682 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion: 43 Resp: 957311
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.1 9.1

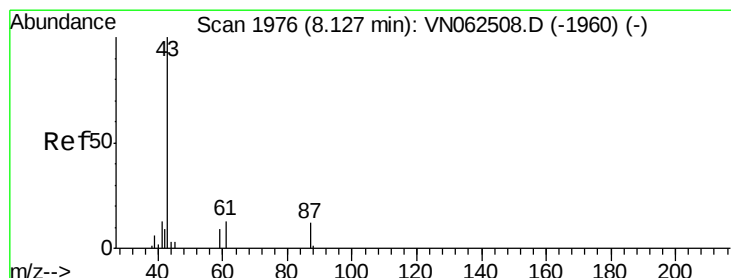
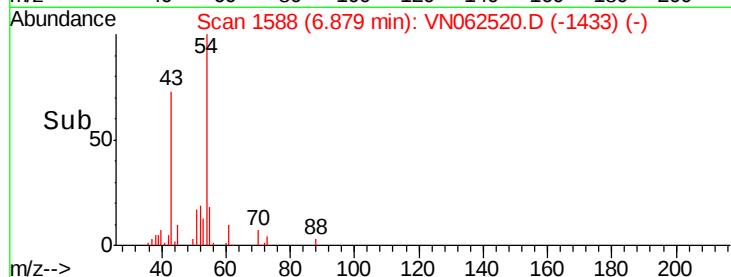
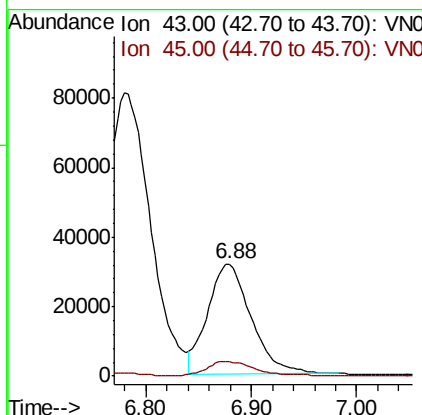
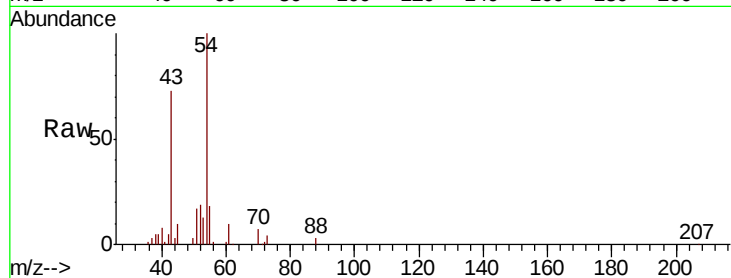




#43
Ethyl Acetate
Concen: 19.761 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

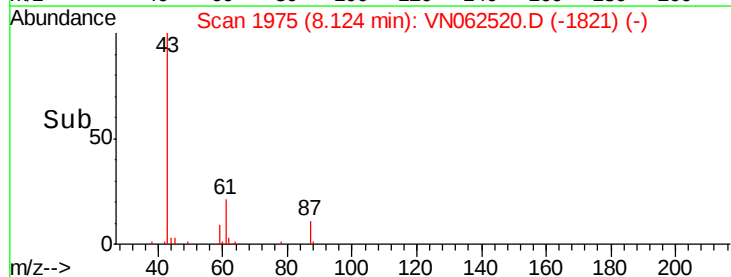
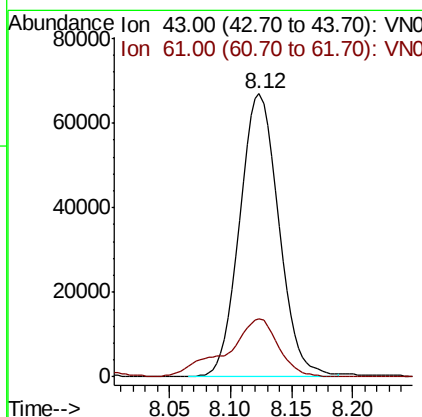
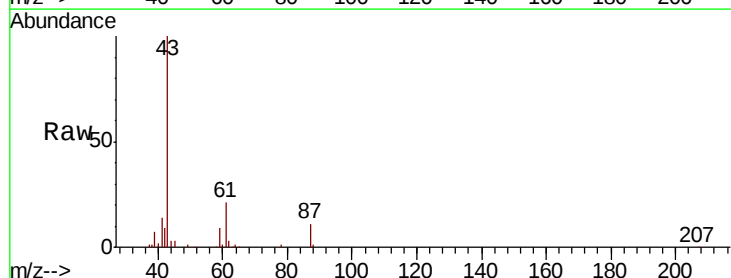
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

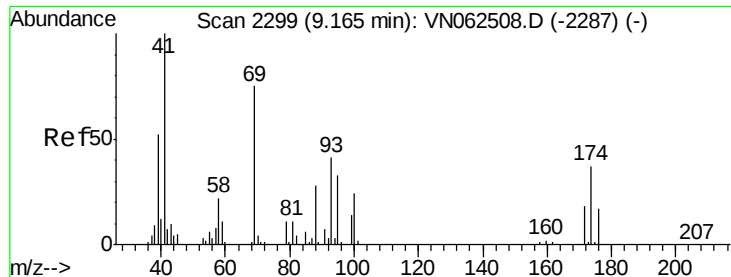
Tot Ion: 43 Resp: 91817
Ion Ratio Lower Upper
43 100
45 13.0 10.2 15.4



#44
Isopropyl Acetate
Concen: 19.004 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 43 Resp: 148148
Ion Ratio Lower Upper
43 100
61 27.2 14.7 22.1#

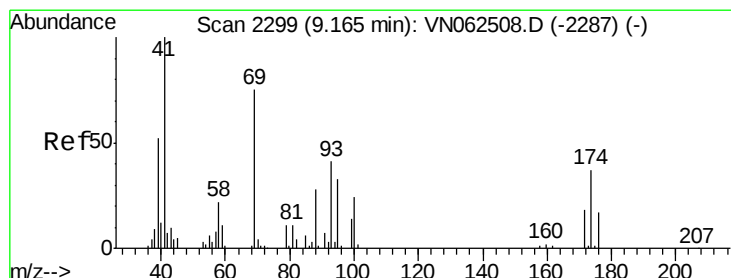
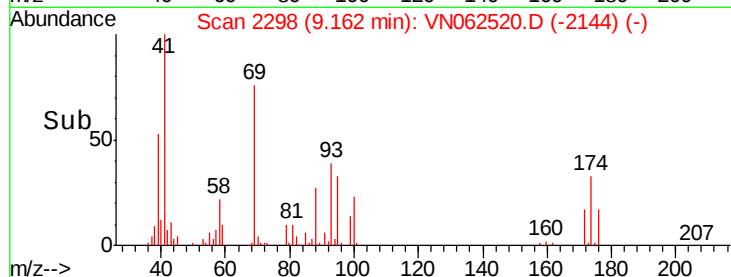
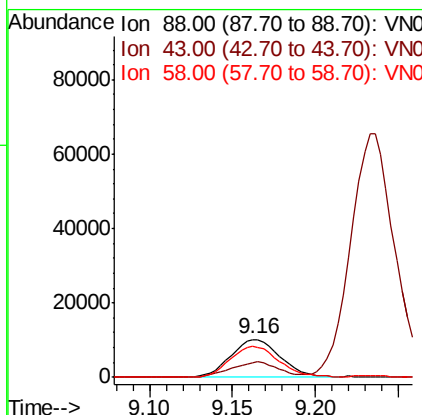
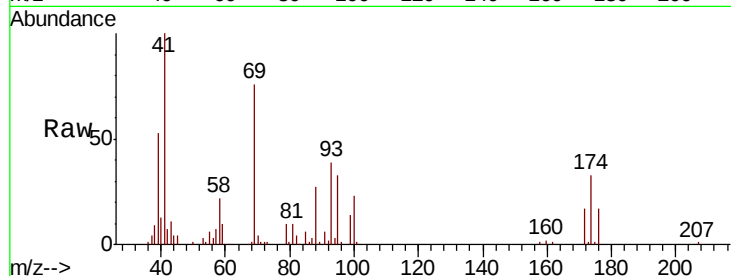




#45
 1,4-Dioxane
 Concen: 398.275 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

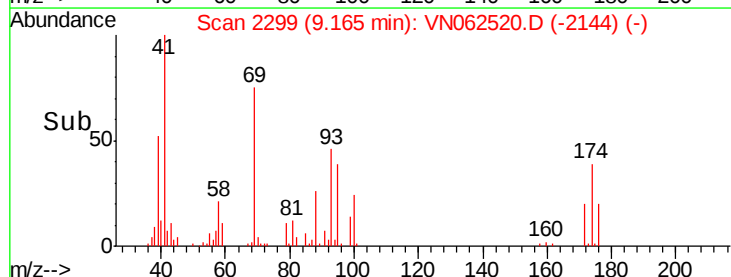
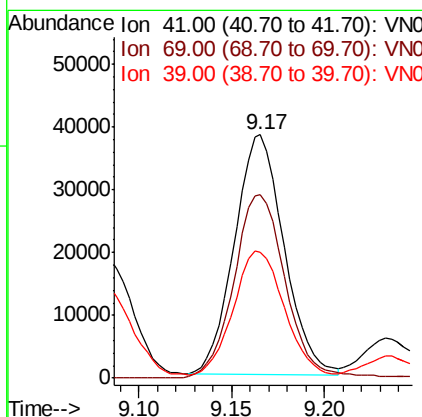
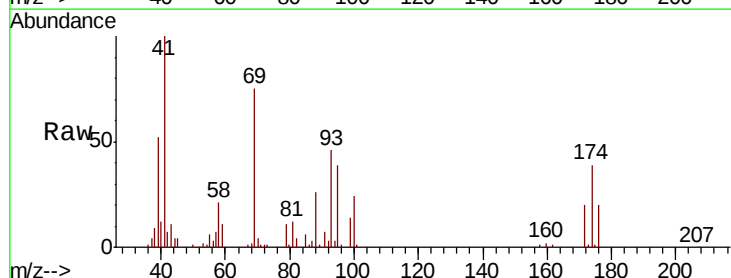
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

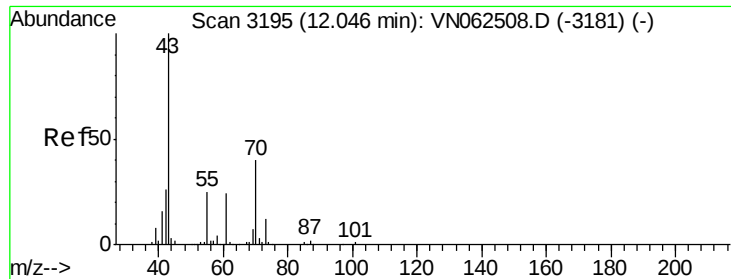
Tot Ion: 88 Resp: 21239
 Ion Ratio Lower Upper
 88 100
 43 39.4 29.2 43.8
 58 81.3 62.2 93.4



#46
 Methyl methacrylate
 Concen: 19.271 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion: 41 Resp: 71272
 Ion Ratio Lower Upper
 41 100
 69 75.9 37.4 112.2
 39 51.1 25.9 77.6

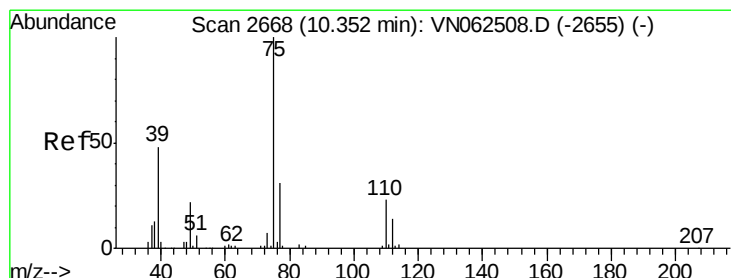
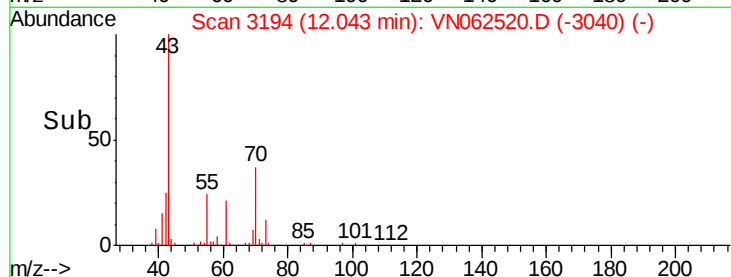
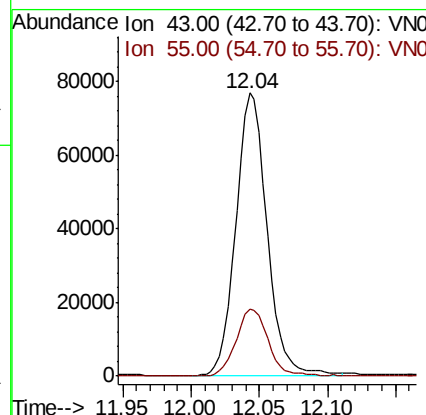
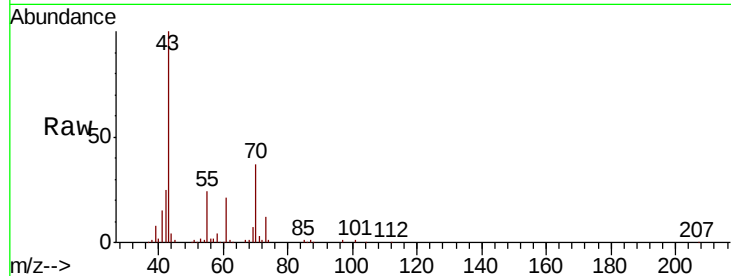




#47
n-amvl Acetate
Concen: 18.706 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

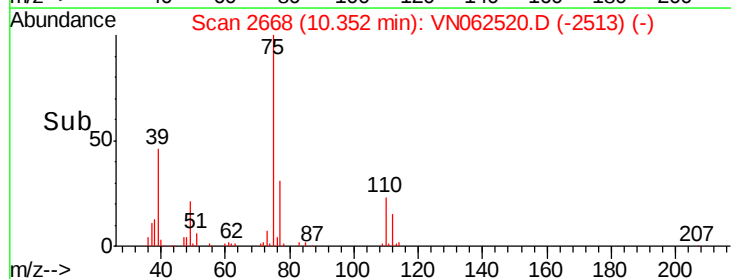
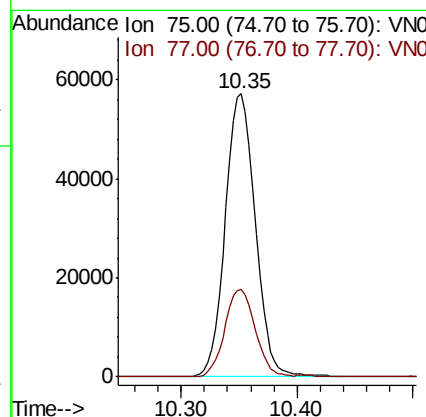
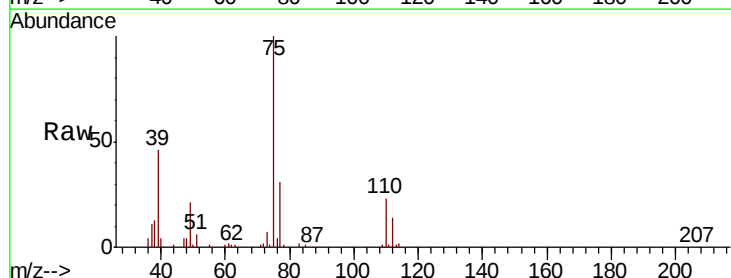
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

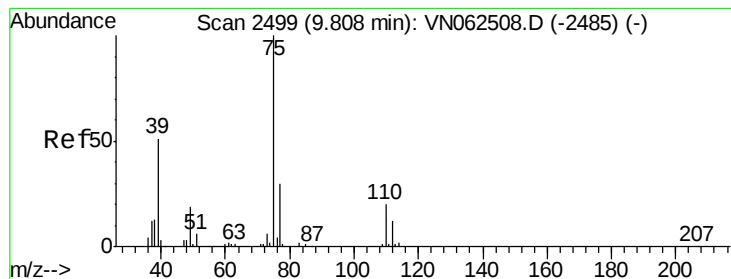
Tot Ion: 43 Resp: 122926
Ion Ratio Lower Upper
43 100
55 24.2 20.4 30.6



#48
t-1,3-Dichloropropene
Concen: 19.500 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 75 Resp: 102546
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 19.611 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

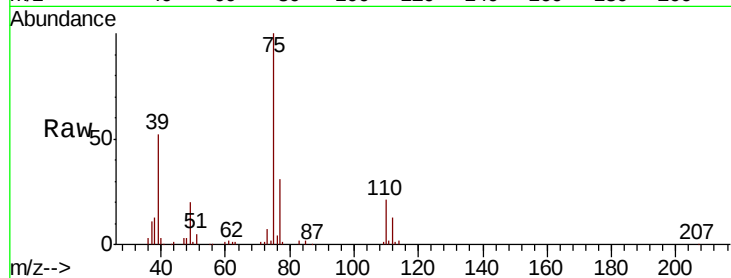
Tot Ion: 75 Resp: 111321

Ion Ratio Lower Upper

75 100

77 30.8 23.7 35.5

39 51.8 40.5 60.7

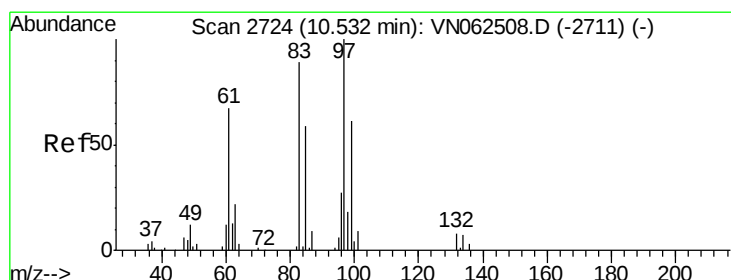
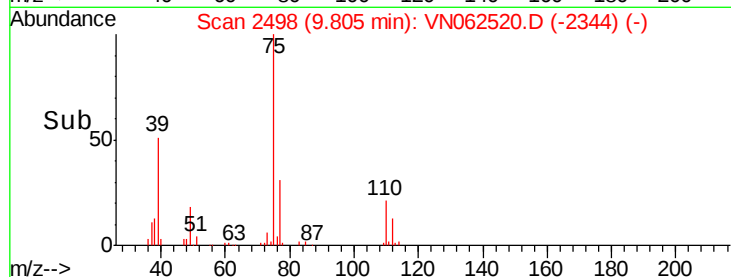
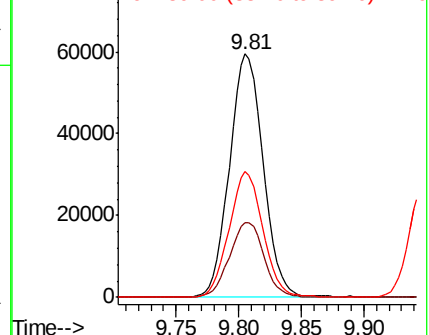


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 20.025 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Tgt Ion: 97 Resp: 59665

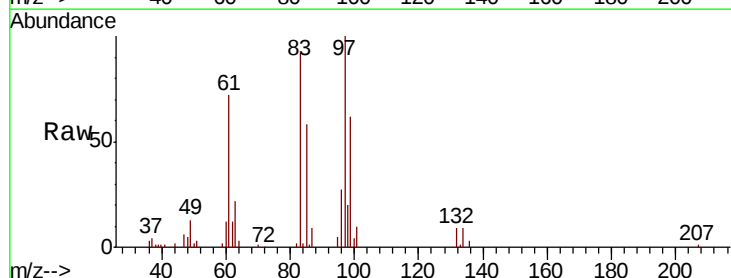
Ion Ratio Lower Upper

97 100

83 91.6 71.3 106.9

85 58.3 47.2 70.8

99 61.9 48.4 72.6



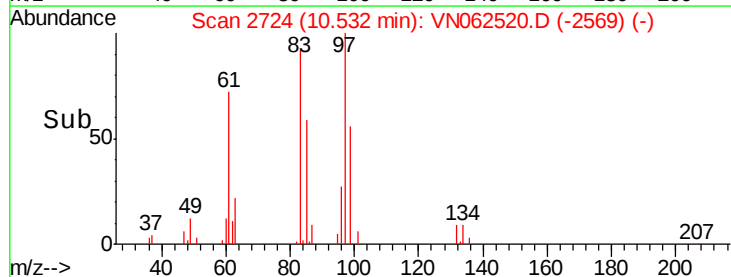
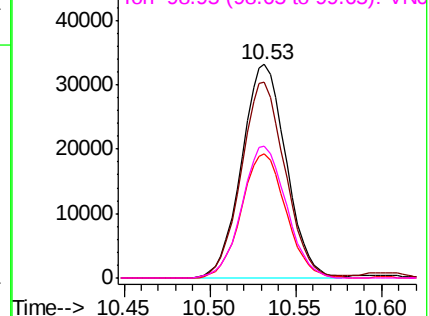
Abundance

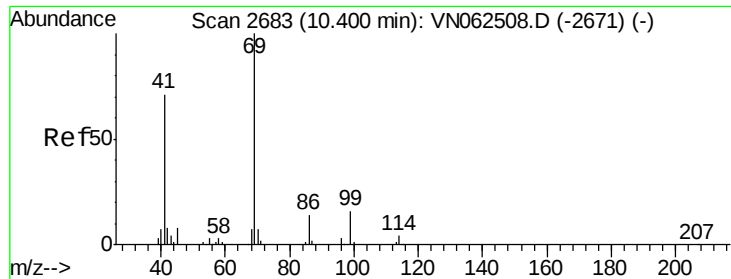
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.058 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

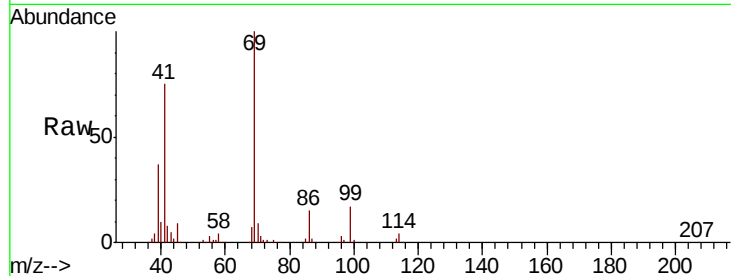
Tot Ion: 69 Resp: 95604

Ion Ratio Lower Upper

69 100

41 74.7 35.6 106.8

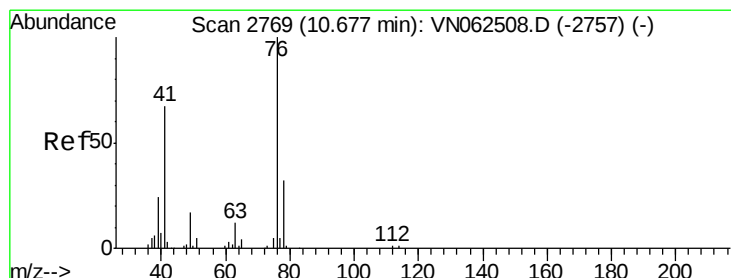
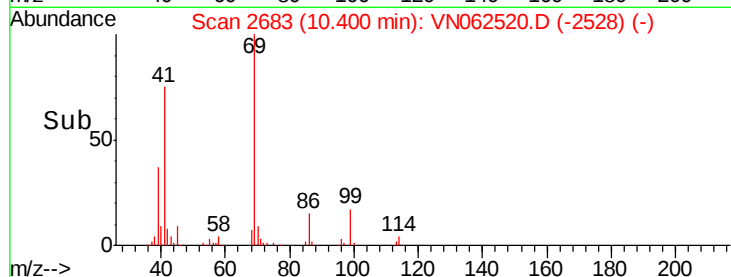
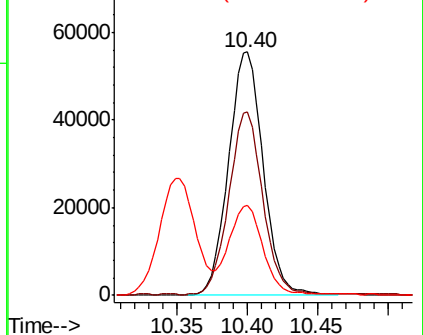
39 36.4 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VN062520.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN062520.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN062520.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 20.041 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062520.D

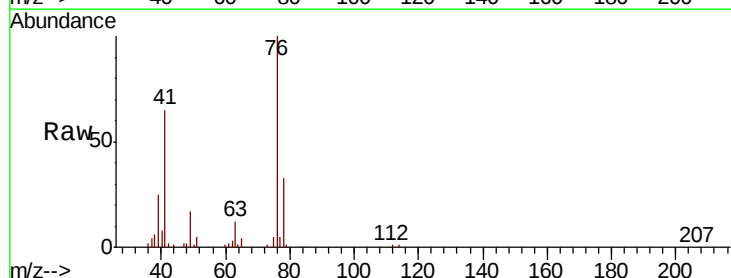
Acq: 14 Jul 2020 9:32

Tgt Ion: 76 Resp: 109590

Ion Ratio Lower Upper

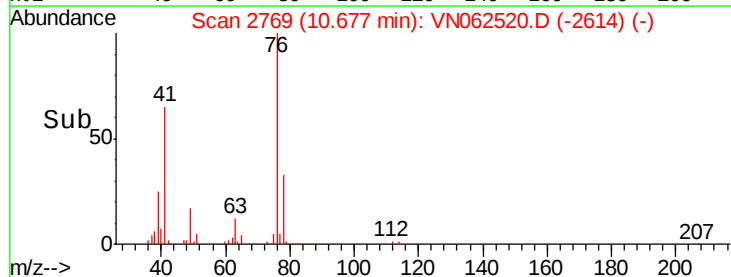
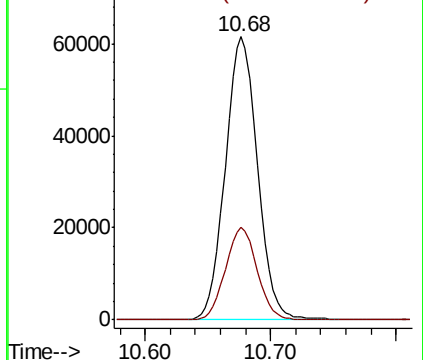
76 100

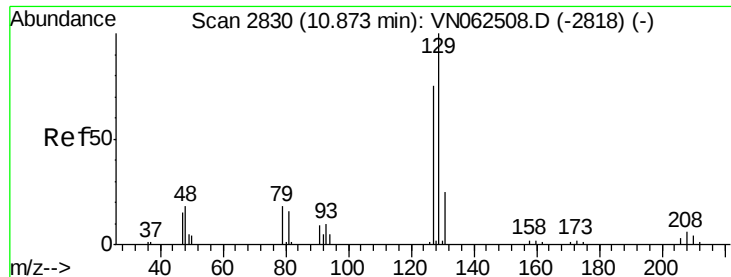
78 32.1 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN062520.D (-2614) (-)

Ion 78.00 (77.70 to 78.70): VN062520.D (-2614) (-)





#53

Dibromochloromethane

Concen: 19.547 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

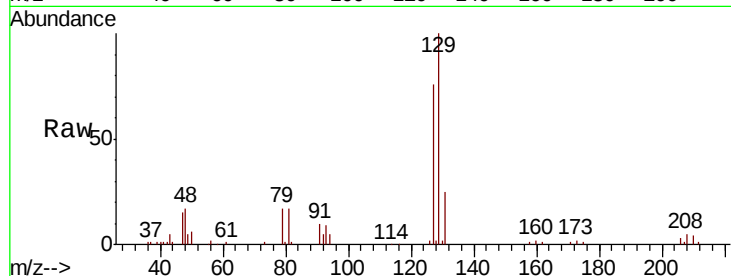
VSTDCCC020

Tot Ion:129 Resp: 63456

Ion Ratio Lower Upper

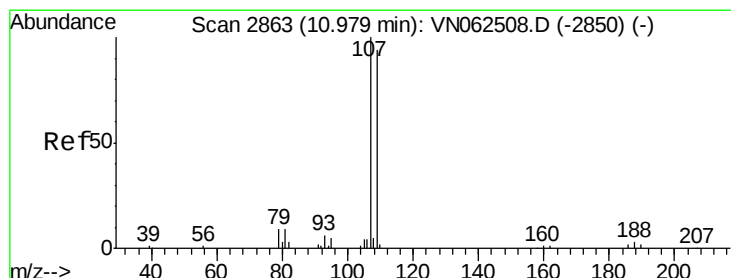
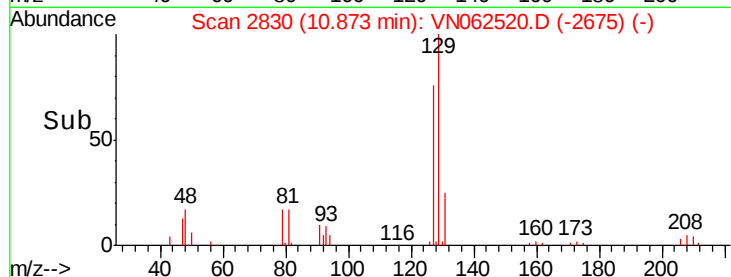
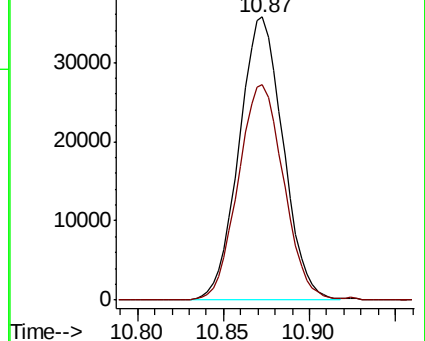
129 100

127 78.7 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.533 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062520.D

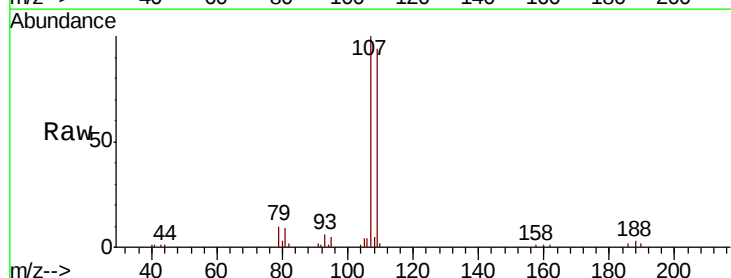
Acq: 14 Jul 2020 9:32

Tgt Ion:107 Resp: 59571

Ion Ratio Lower Upper

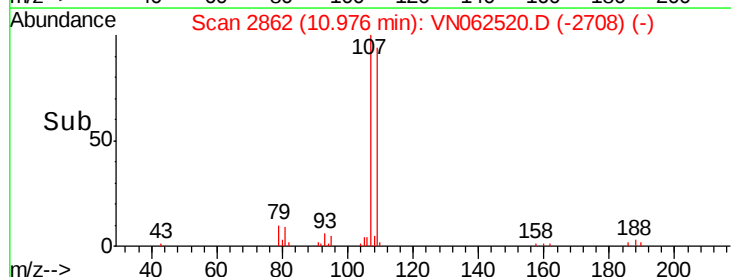
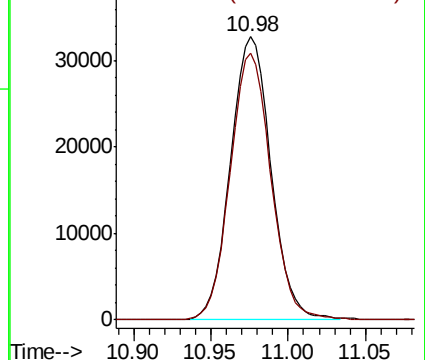
107 100

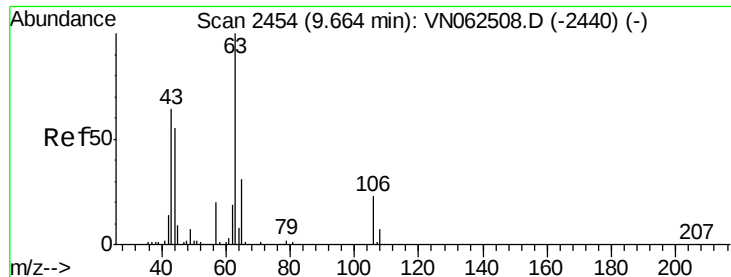
109 94.6 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 92.666 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

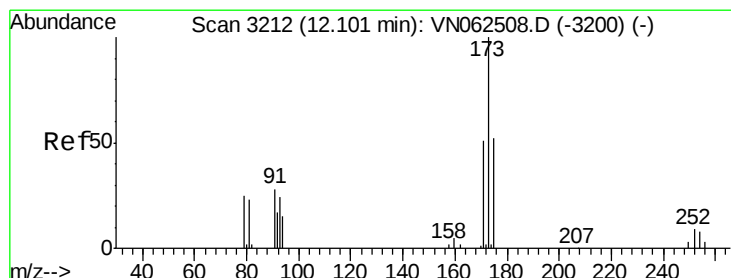
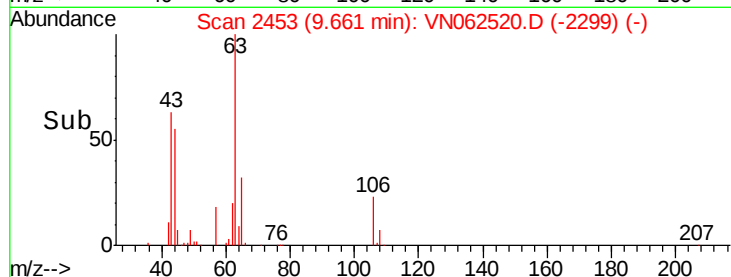
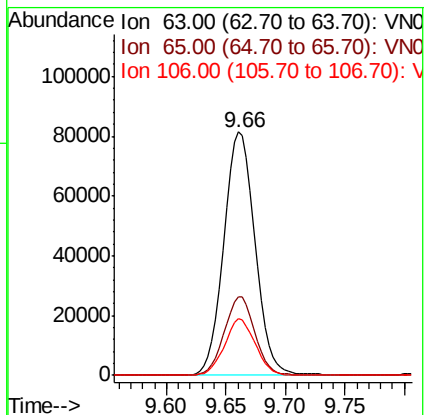
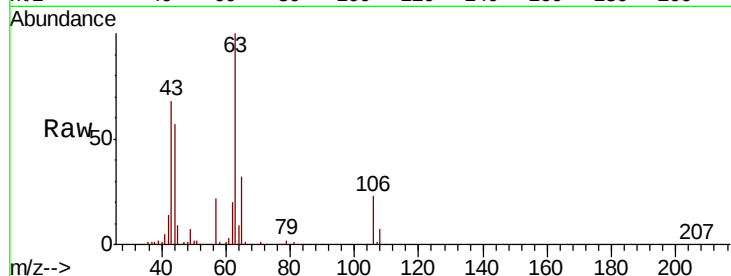
Tot Ion: 63 Resp: 148474

Ion Ratio Lower Upper

63 100

65 31.6 25.4 38.2

106 22.8 18.4 27.6



#56

Bromoform

Concen: 19.217 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

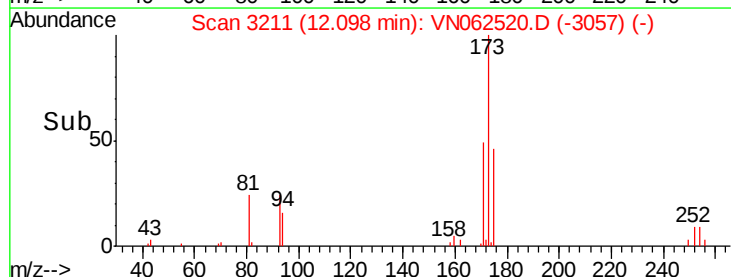
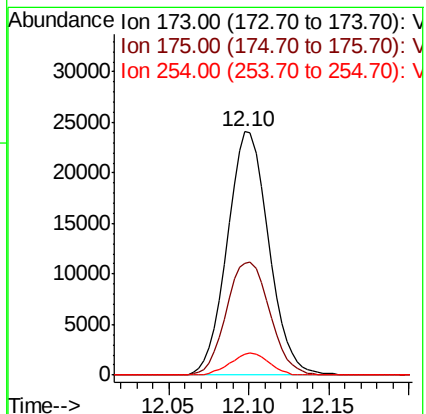
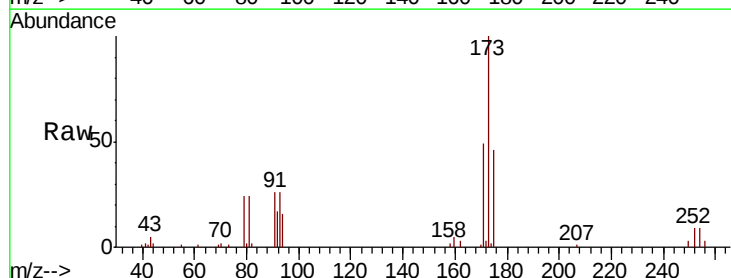
Tgt Ion: 173 Resp: 42608

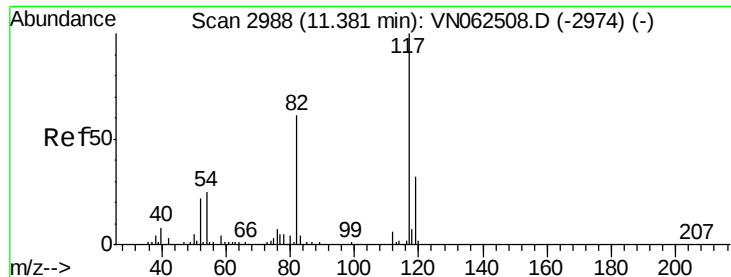
Ion Ratio Lower Upper

173 100

175 48.6 38.1 57.1

254 8.4 6.2 9.2

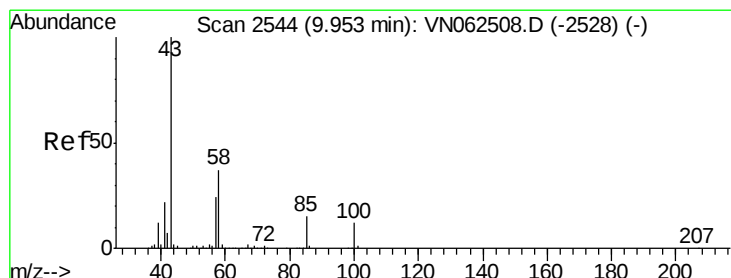
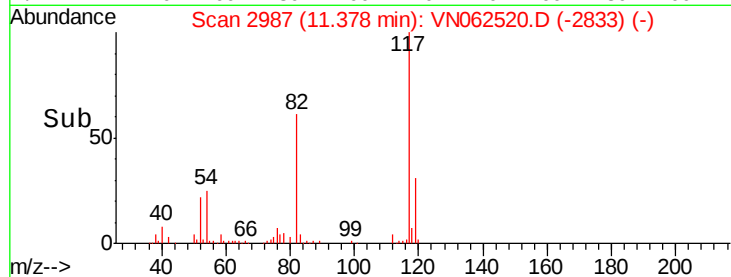
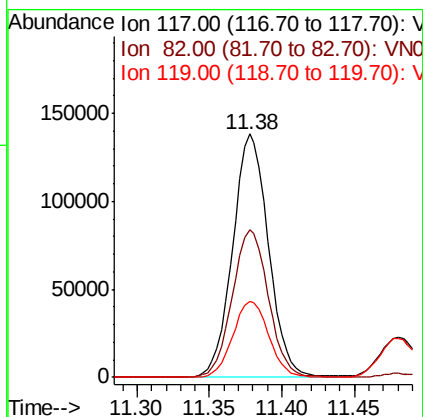
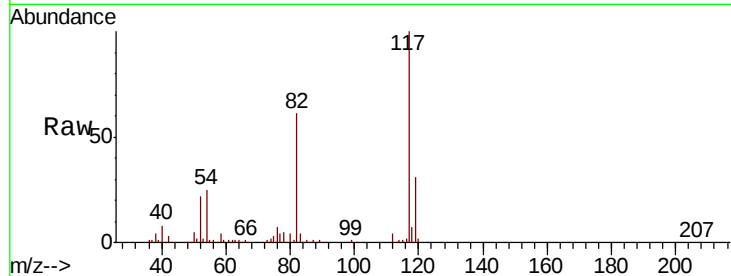




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

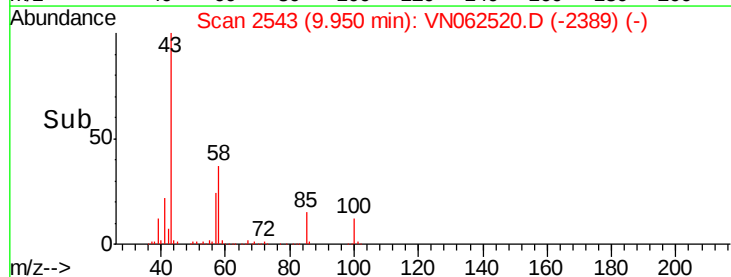
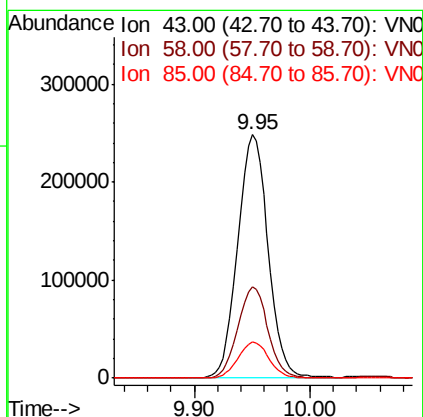
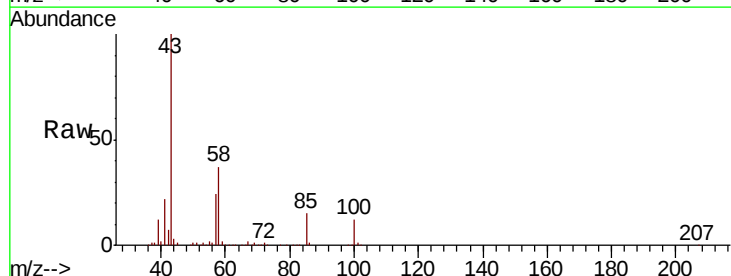
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

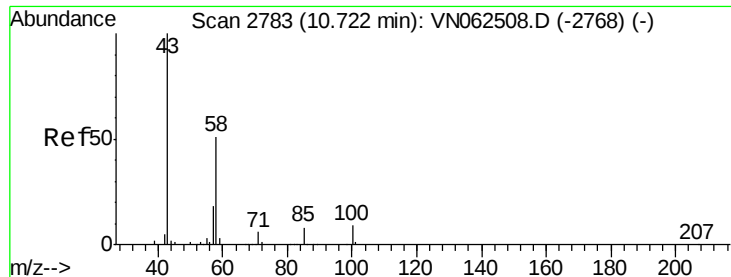
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.0	73.6
119	31.6	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 98.197 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.6	44.4
85	15.0	12.0	18.0

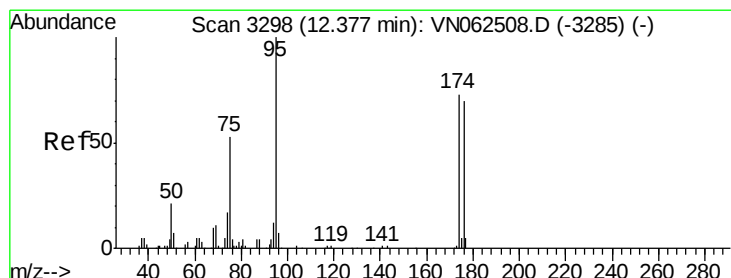
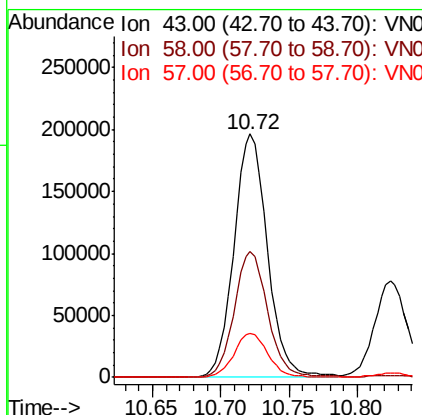
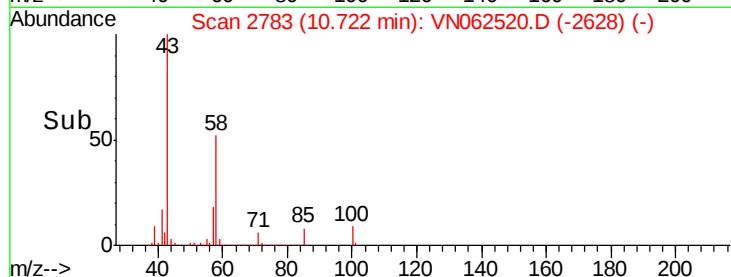
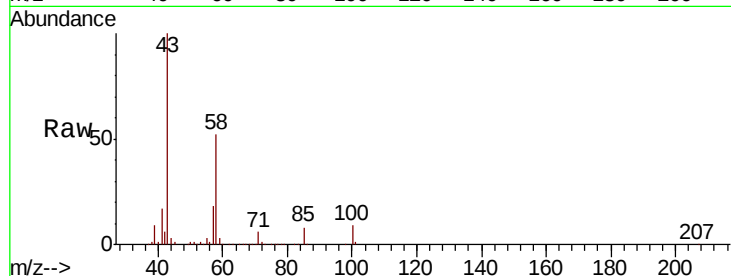




#59
2-Hexanone
Concen: 99.046 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

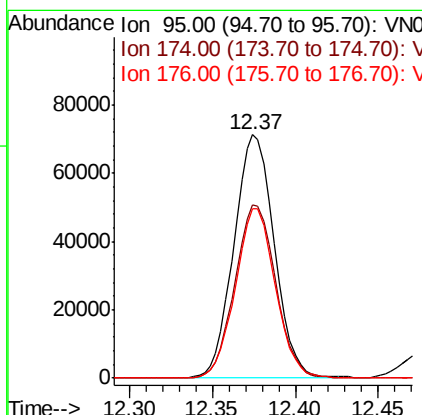
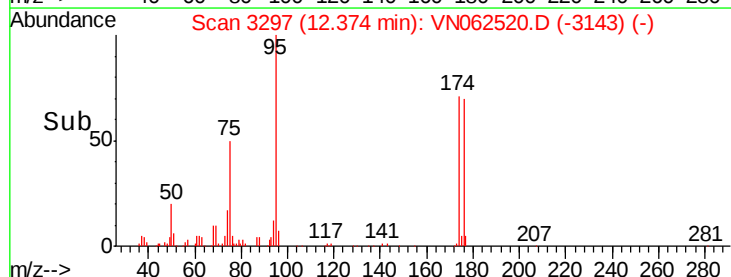
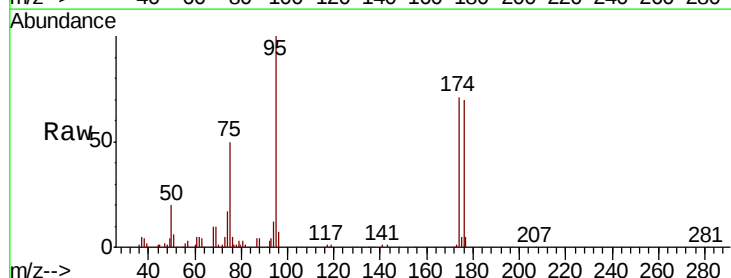
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

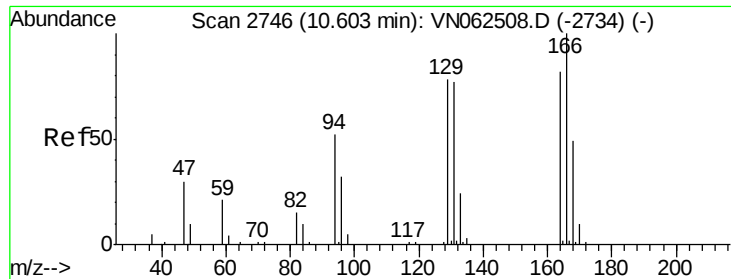
Tot Ion: 43 Resp: 334860
Ion Ratio Lower Upper
43 100
58 51.8 41.2 61.8
57 18.3 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.933 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 95 Resp: 120524
Ion Ratio Lower Upper
95 100
174 72.2 57.5 86.3
176 69.2 56.3 84.5

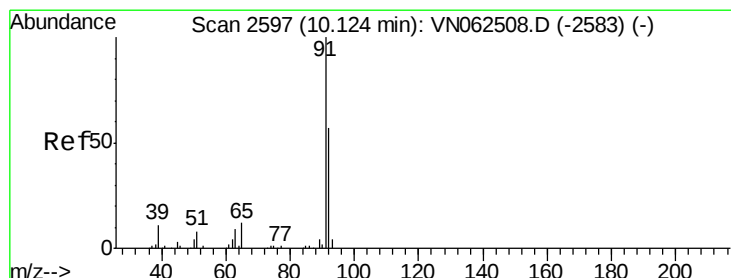
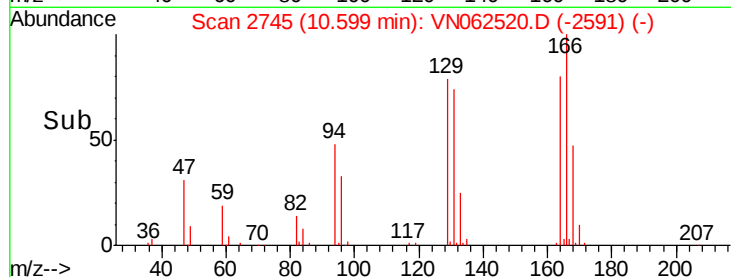
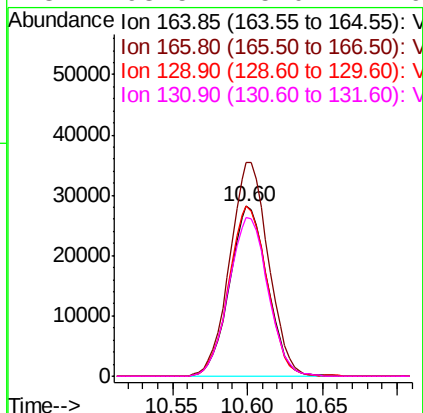
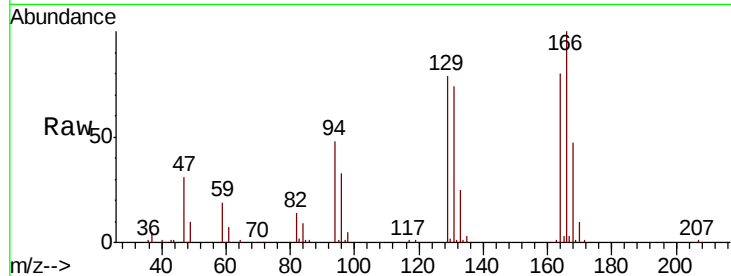




#61
Tetrachloroethene
Concen: 20.488 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

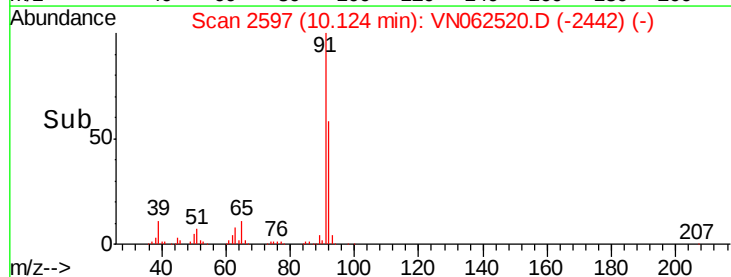
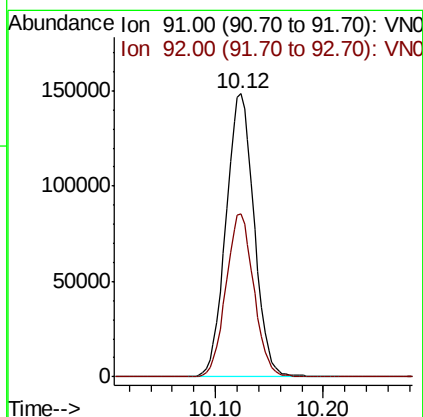
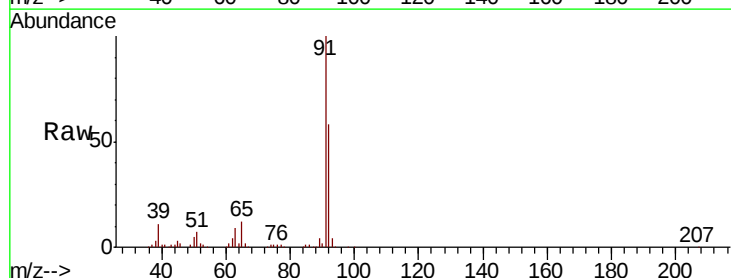
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

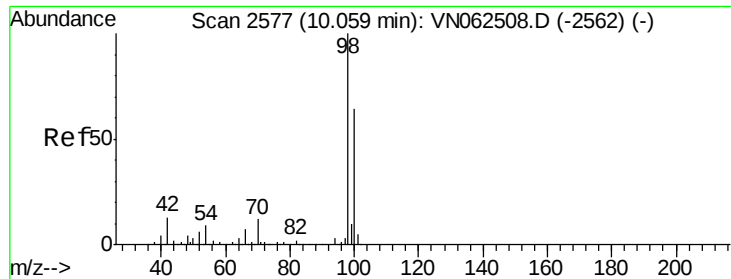
Tot Ion:164 Resp: 49643
Ion Ratio Lower Upper
164 100
166 125.6 97.7 146.5
129 99.8 77.0 115.4
131 93.5 75.0 112.6



#62
Toluene
Concen: 20.122 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 91 Resp: 270099
Ion Ratio Lower Upper
91 100
92 57.1 45.8 68.6





#63

Toluene-d8

Concen: 30.258 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

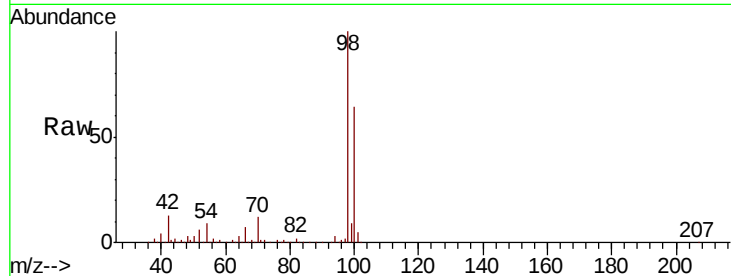
VSTDCCC020

Tot Ion: 98 Resp: 338294

Ion Ratio Lower Upper

98 100

100 63.8 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN062520.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062520.D (-2562) (-)

10.06

200000

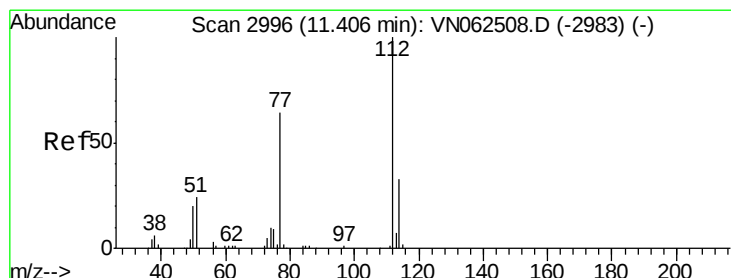
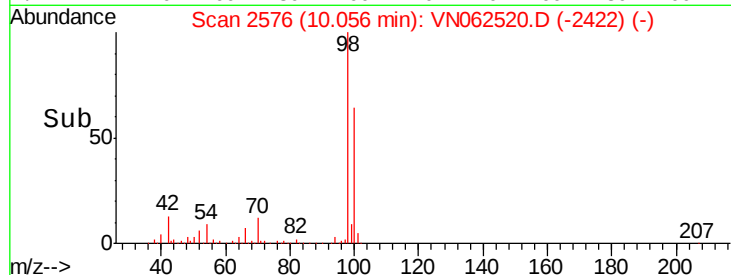
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.104 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062520.D

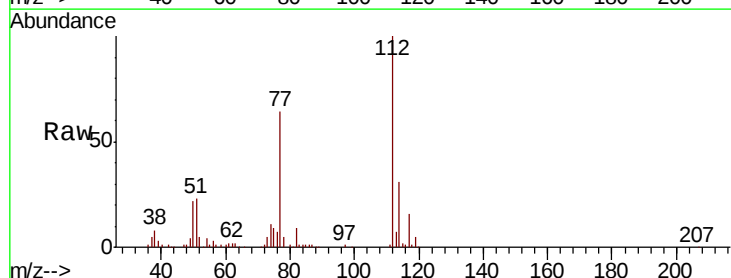
Acq: 14 Jul 2020 9:32

Tgt Ion: 112 Resp: 158567

Ion Ratio Lower Upper

112 100

114 31.2 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): VN062520.D (-2983) (-)

Ion 114.00 (113.70 to 114.70): VN062520.D (-2983) (-)

11.40

100000

80000

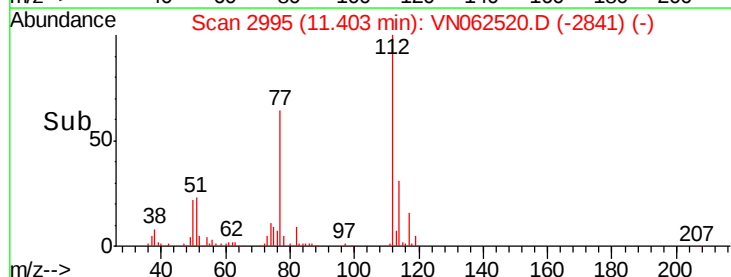
60000

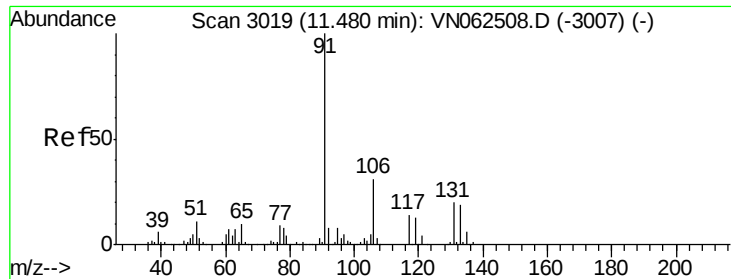
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.916 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

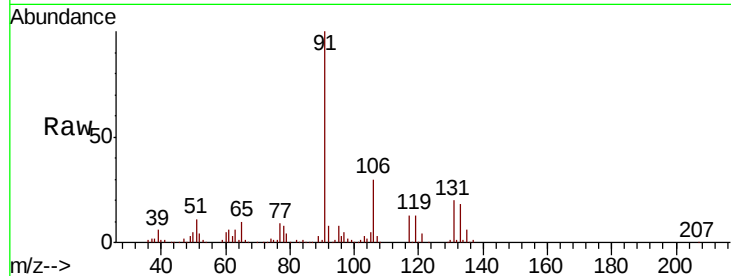
Tot Ion:131 Resp: 58145

Ion Ratio Lower Upper

131 100

133 94.7 0.0 191.4

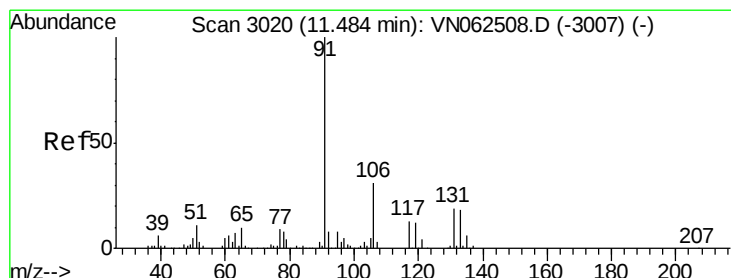
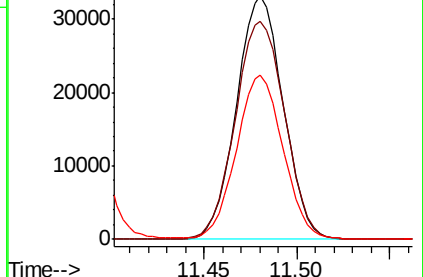
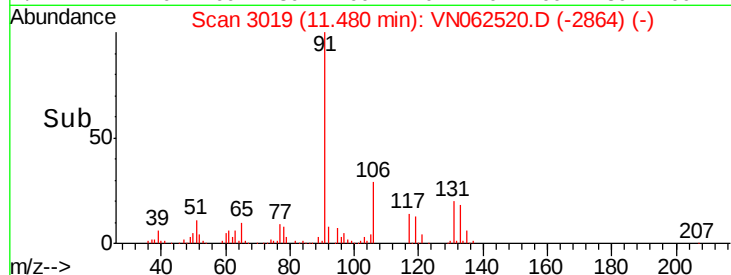
119 67.4 0.0 136.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.753 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062520.D

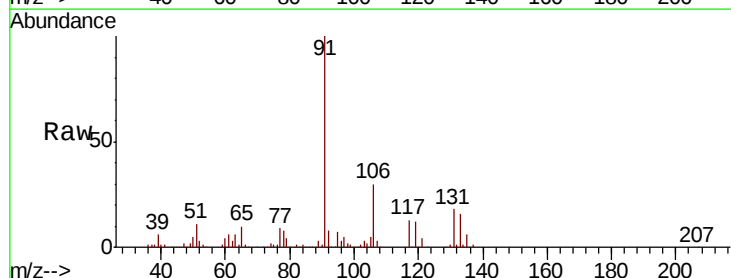
Acq: 14 Jul 2020 9:32

Tgt Ion: 91 Resp: 293607

Ion Ratio Lower Upper

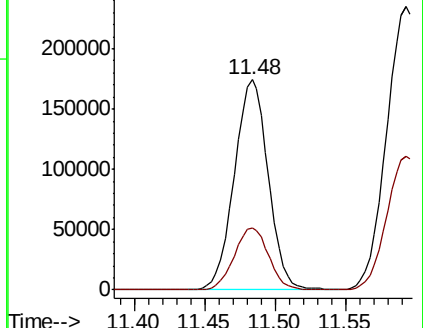
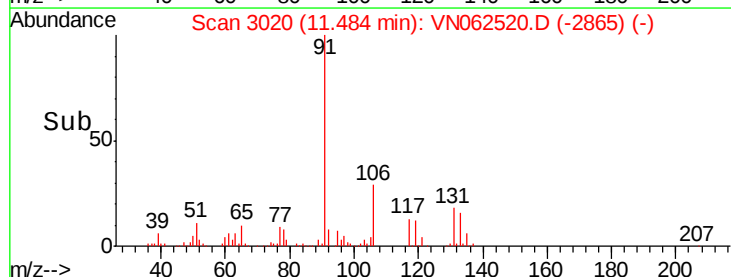
91 100

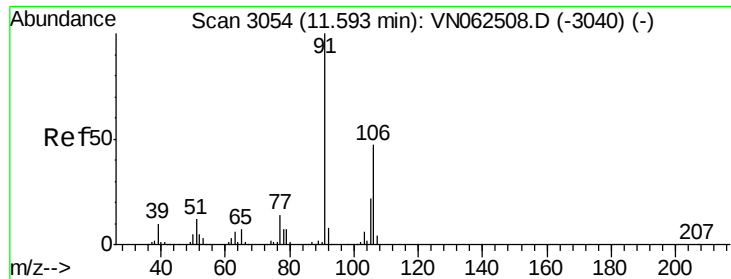
106 29.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.966 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

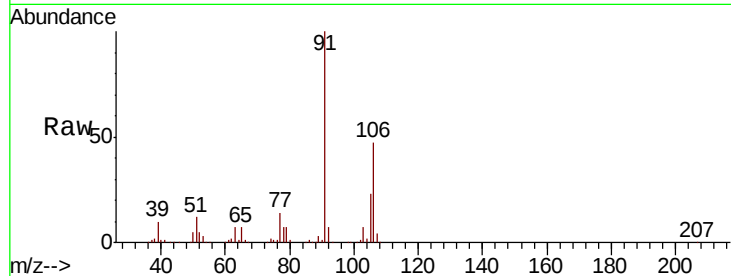
VSTDCCC020

Tot Ion:106 Resp: 215623

Ion Ratio Lower Upper

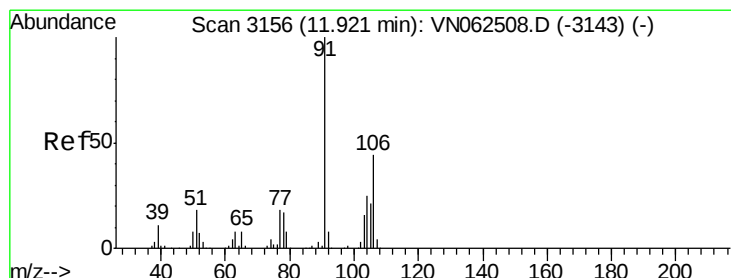
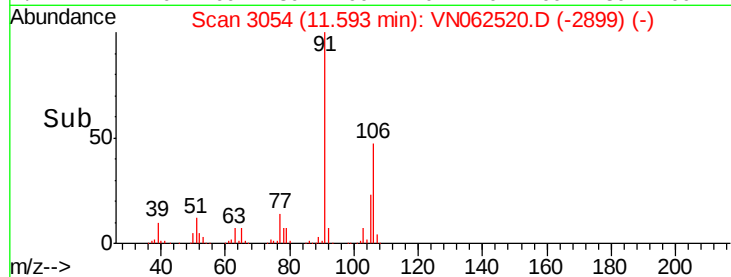
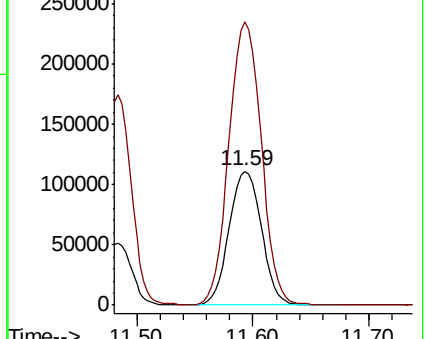
106 100

91 211.5 170.7 256.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.701 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN062520.D

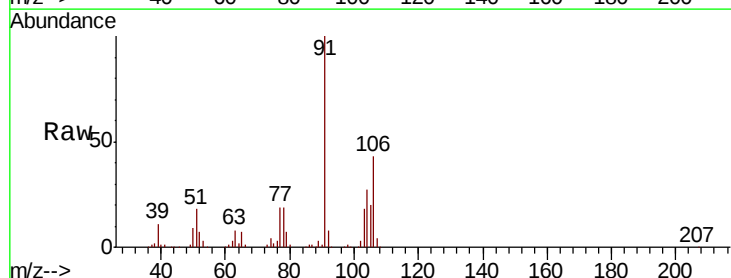
Acq: 14 Jul 2020 9:32

Tgt Ion:106 Resp: 102005

Ion Ratio Lower Upper

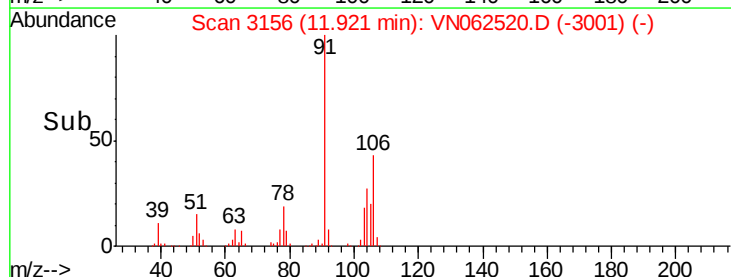
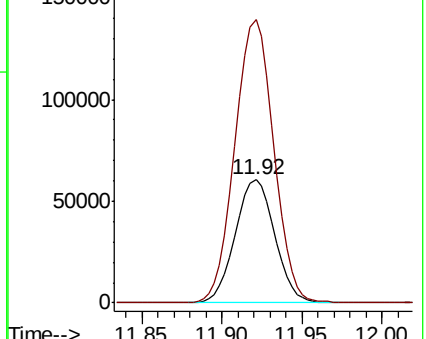
106 100

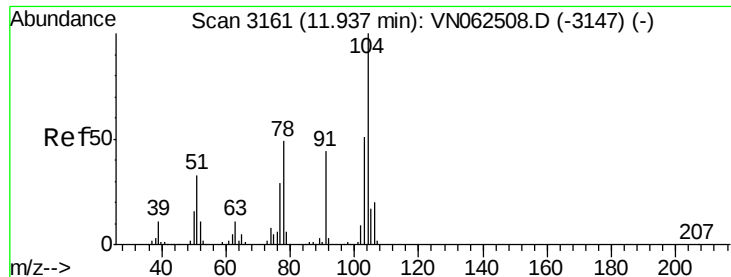
91 225.8 113.9 341.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

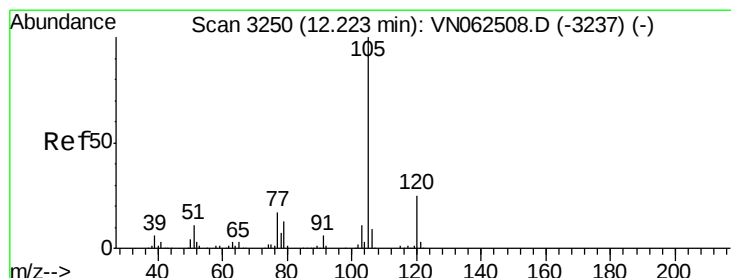
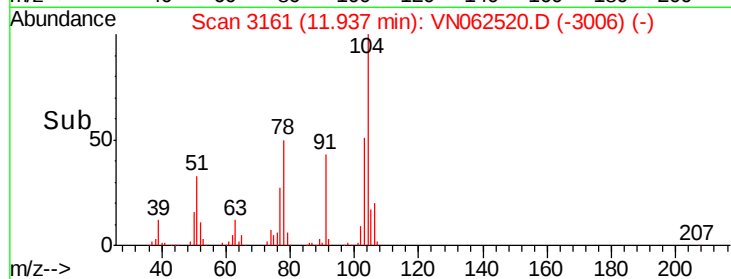
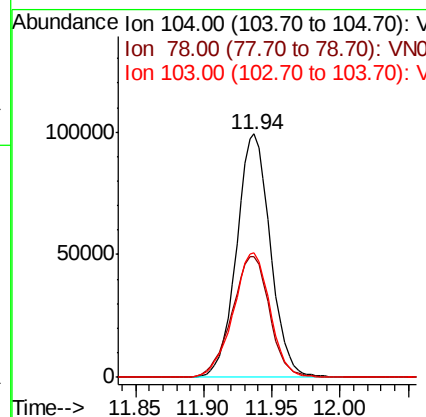
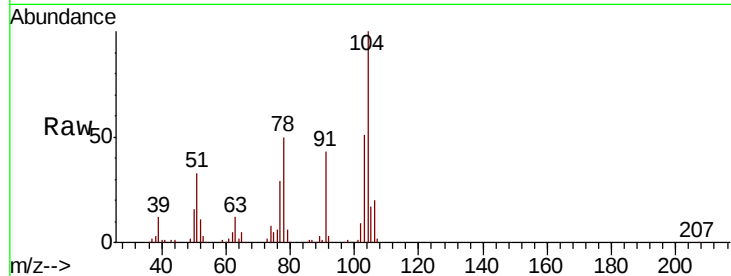




#69
Stvrene
Concen: 19.418 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

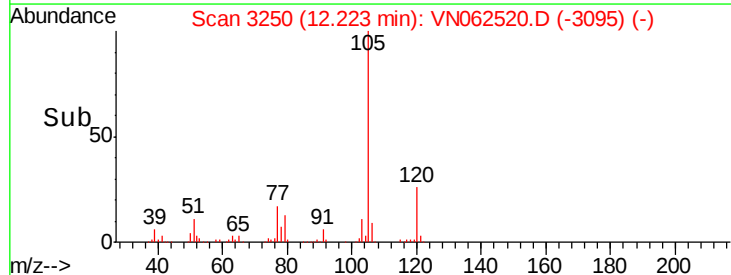
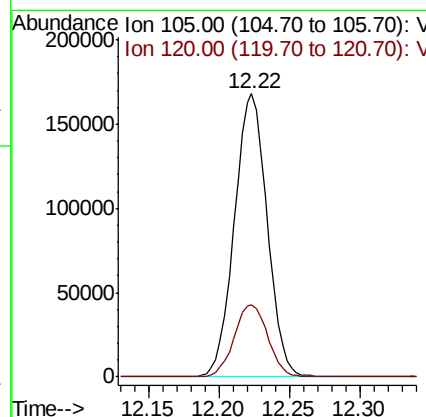
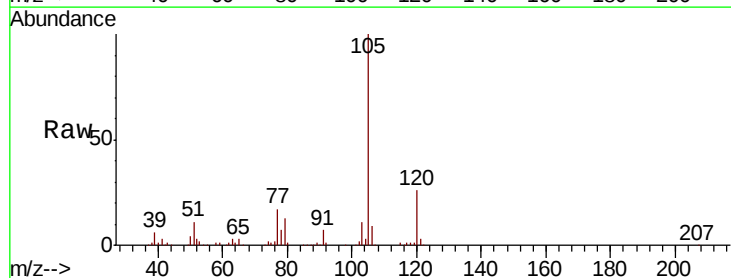
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

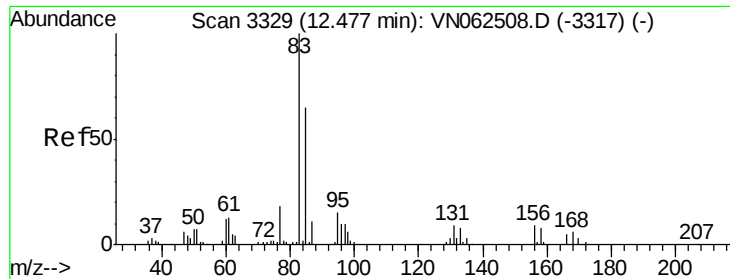
Tot Ion:104 Resp: 170635
Ion Ratio Lower Upper
104 100
78 55.3 43.9 65.9
103 55.6 43.8 65.6



#70
Isopropylbenzene
Concen: 19.703 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion:105 Resp: 273844
Ion Ratio Lower Upper
105 100
120 26.2 17.6 32.8

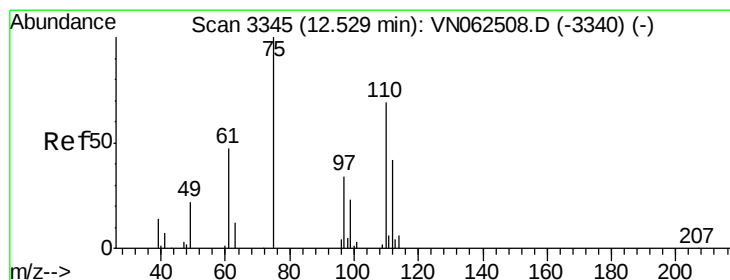
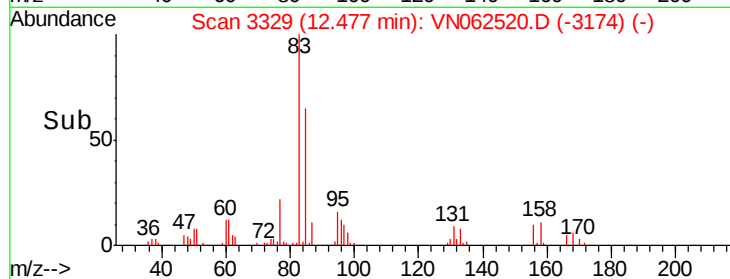
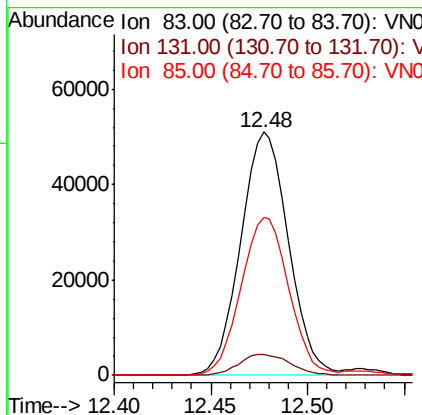
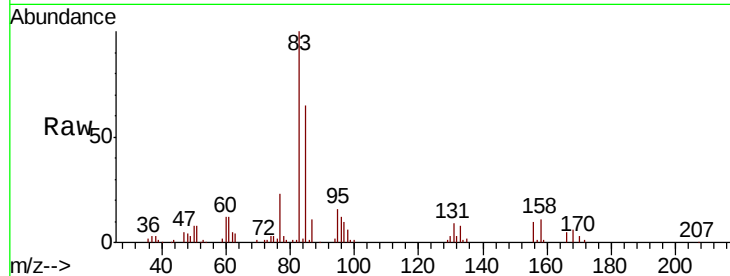




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.535 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

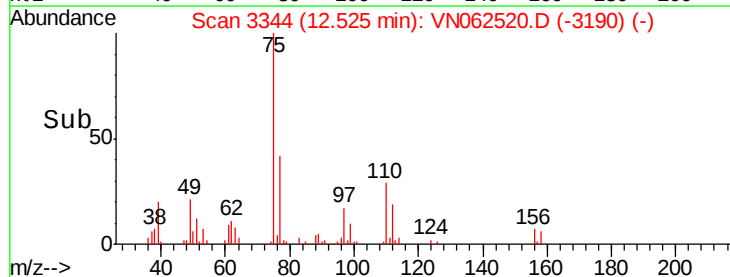
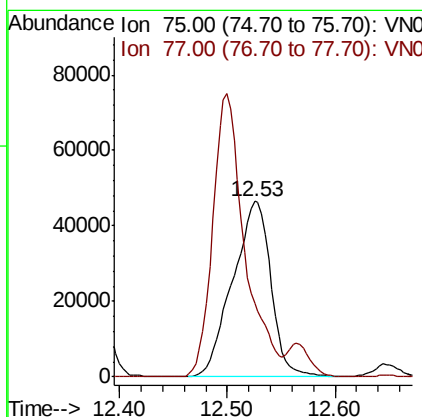
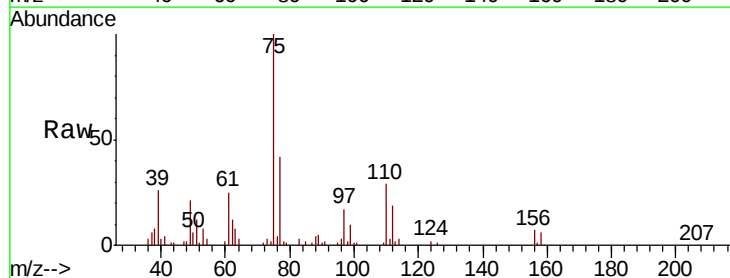
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

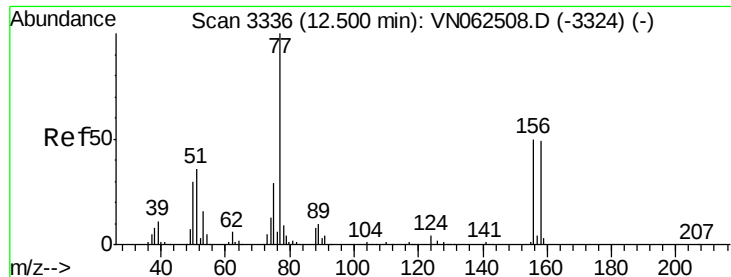
Tot Ion: 83 Resp: 87752
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.5 13.7
 85 65.0 32.5 97.4



#72
 1,2,3-Trichloropropane
 Concen: 26.305 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion: 75 Resp: 114937
 Ion Ratio Lower Upper
 75 100
 77 134.1 0.0 376.2





#73

Bromobenzene

Concen: 19.560 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

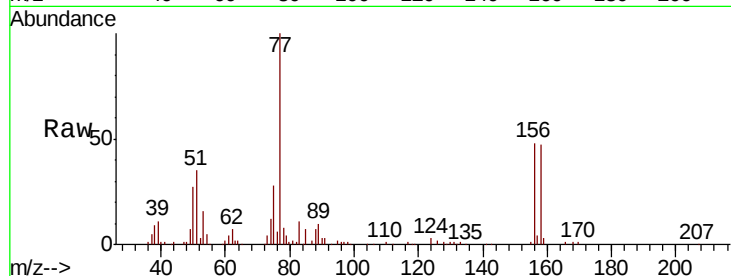
Tot Ion:156 Resp: 62962

Ion Ratio Lower Upper

156 100

77 244.9 0.0 485.0

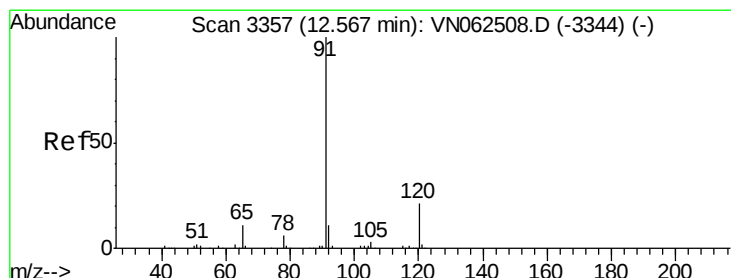
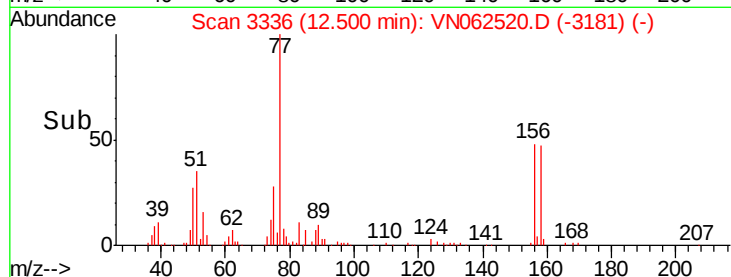
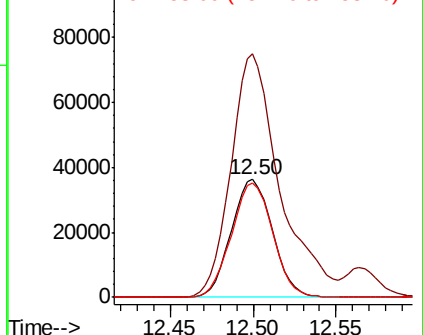
158 97.3 0.0 192.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.879 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062520.D

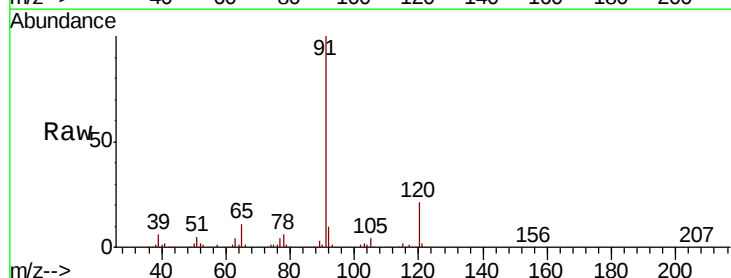
Acq: 14 Jul 2020 9:32

Tgt Ion: 91 Resp: 328430

Ion Ratio Lower Upper

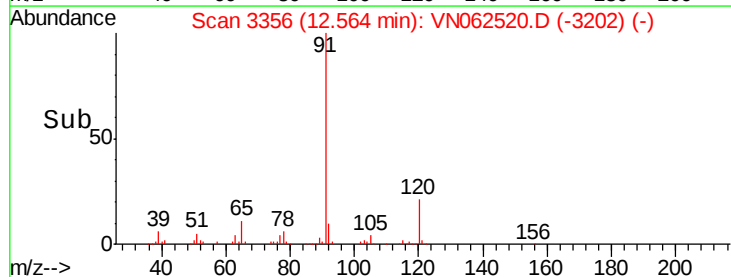
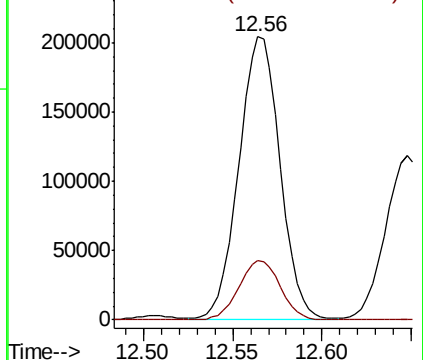
91 100

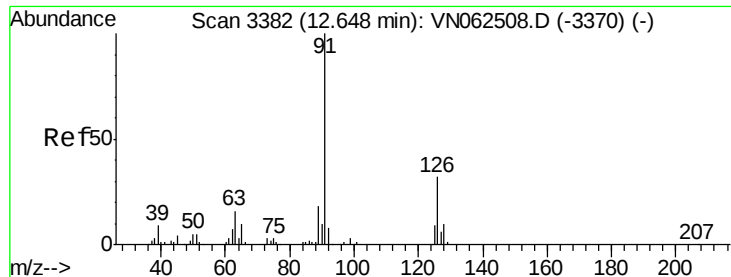
120 21.1 0.0 42.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

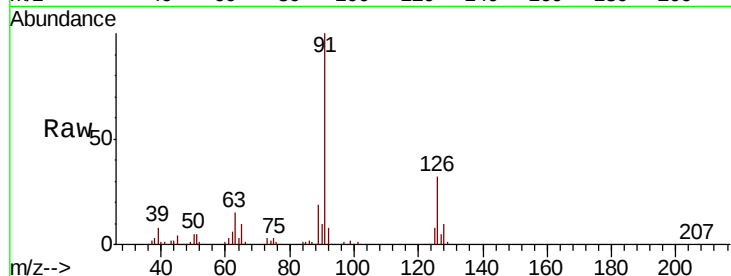
VSTDCCC020

Tot Ion: 91 Resp: 197010

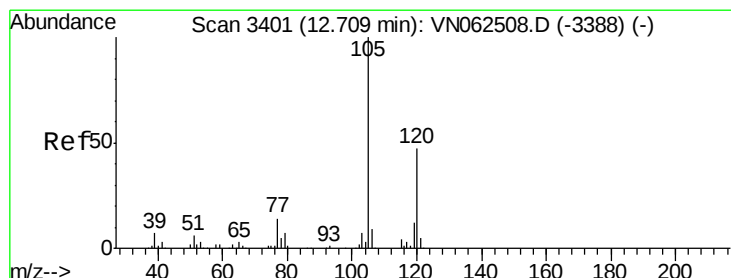
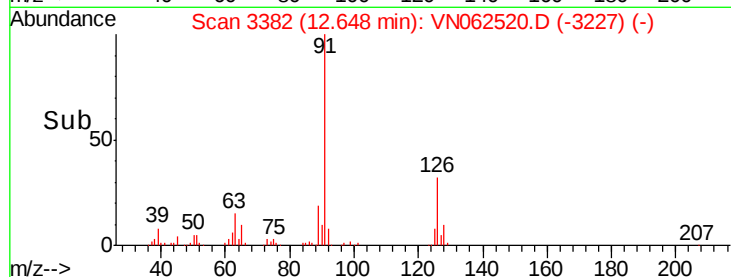
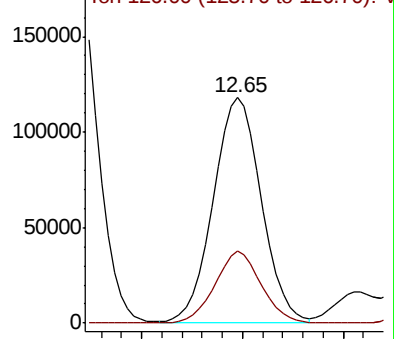
Ion Ratio Lower Upper

91 100

126 30.6 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN062520.D (-3382) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.510 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062520.D

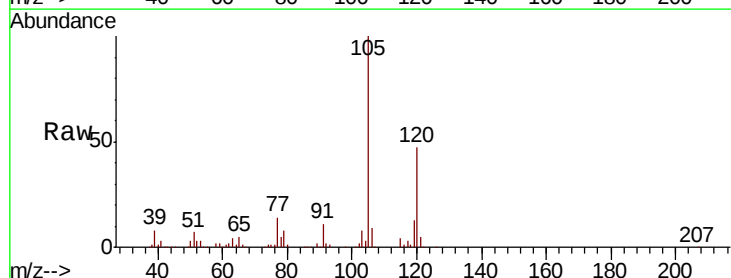
Acq: 14 Jul 2020 9:32

Tgt Ion: 105 Resp: 231051

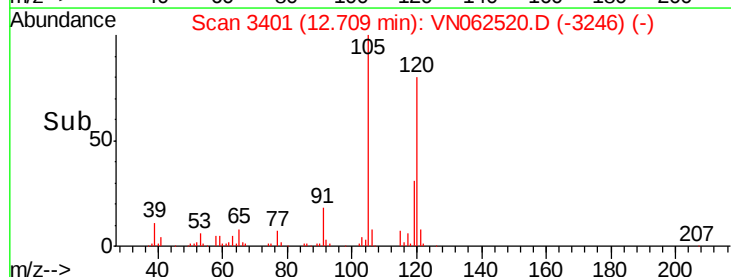
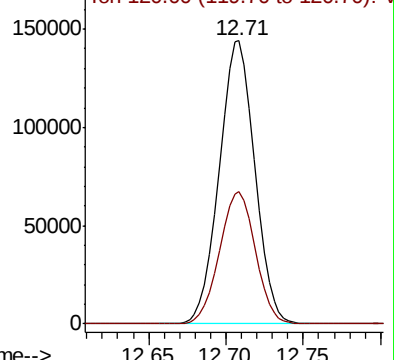
Ion Ratio Lower Upper

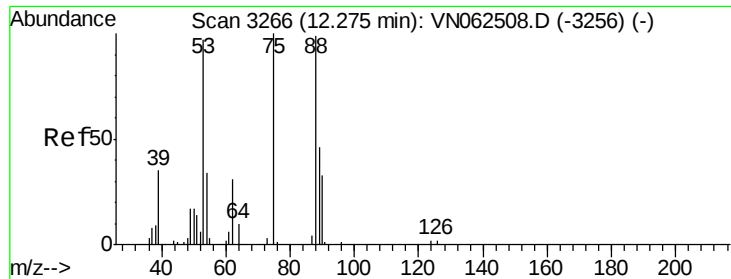
105 100

120 47.2 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN062520.D (-3401) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.347 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

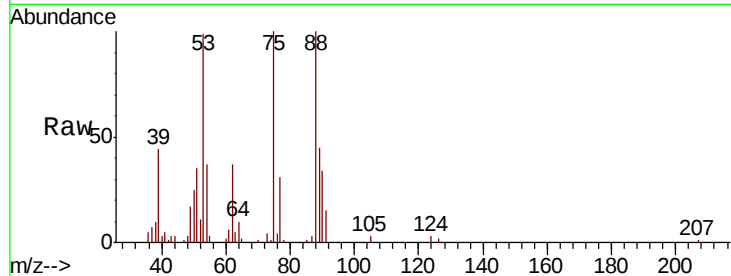
Tot Ion: 75 Resp: 29983

Ion Ratio Lower Upper

75 100

53 98.3 48.3 144.8

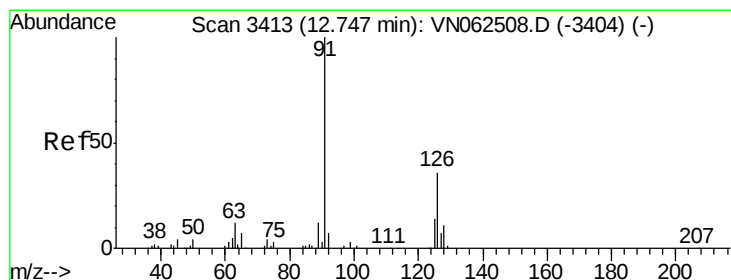
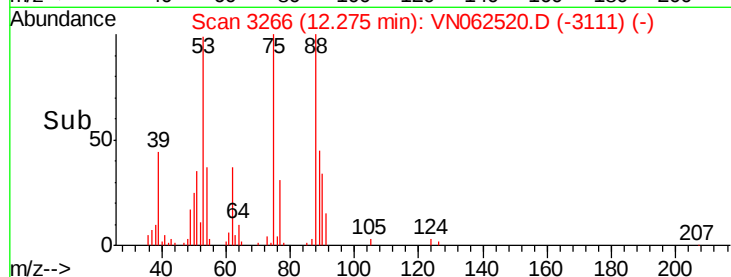
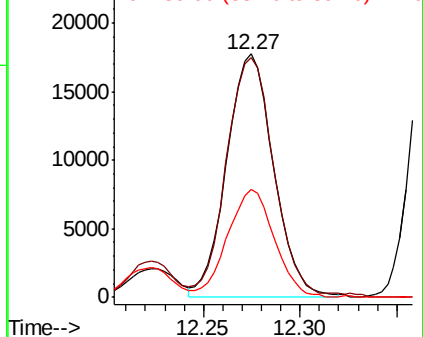
89 45.1 23.3 69.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.722 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062520.D

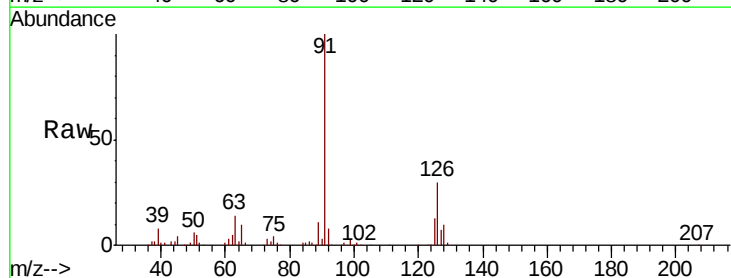
Acq: 14 Jul 2020 9:32

Tgt Ion: 91 Resp: 200173

Ion Ratio Lower Upper

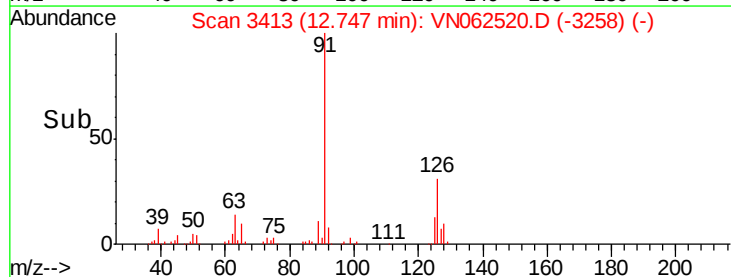
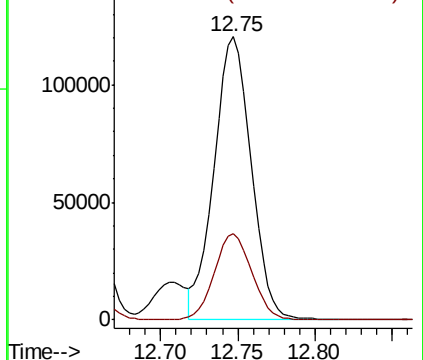
91 100

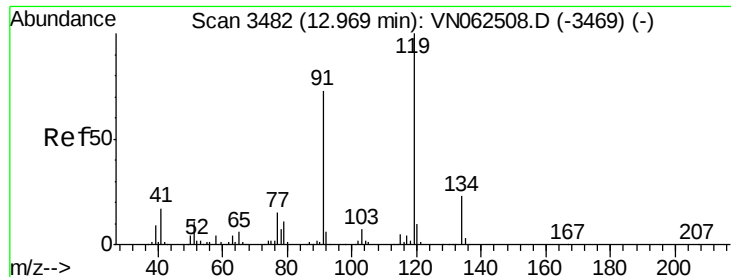
126 30.8 0.0 62.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

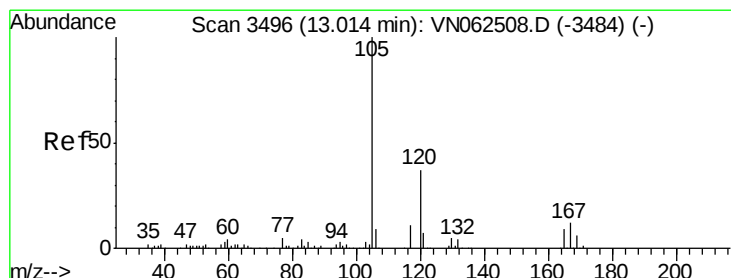
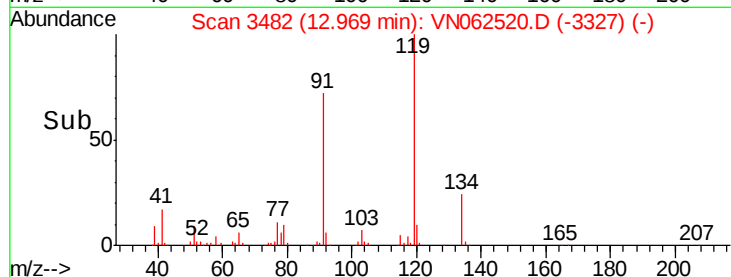
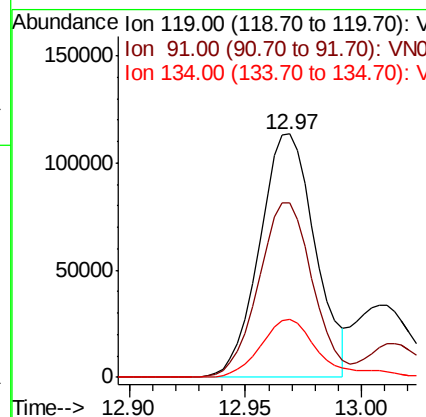
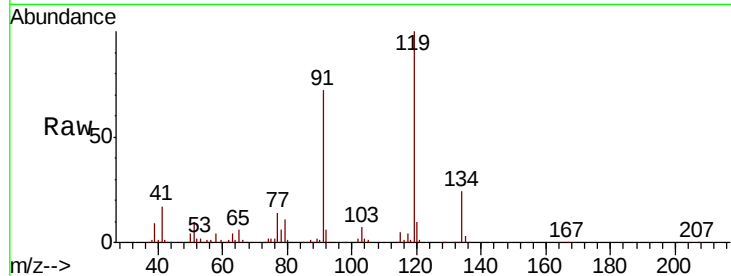




#79
tert-butylbenzene
Concen: 19.379 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

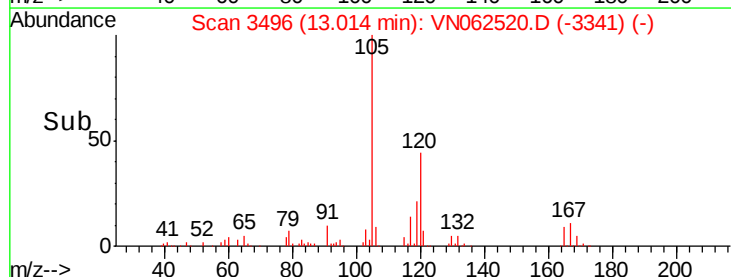
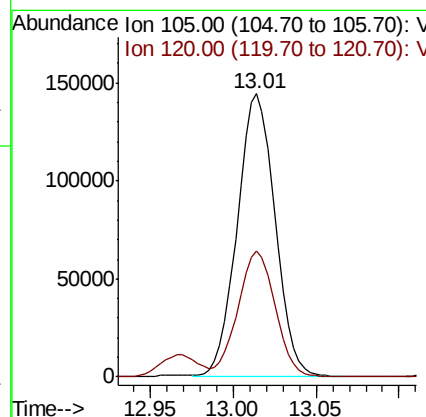
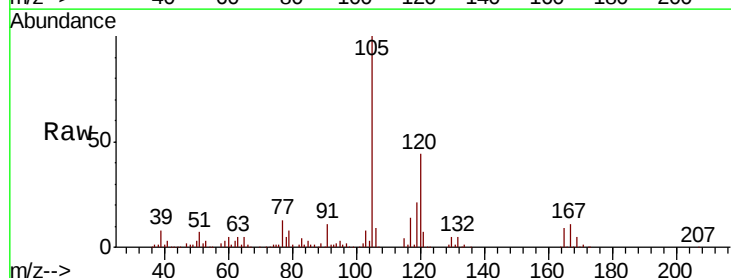
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

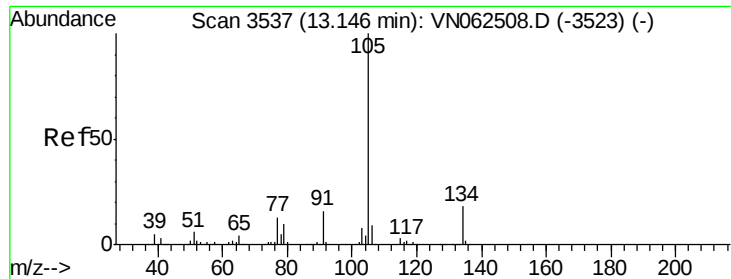
Tot Ion:119 Resp: 190041
Ion Ratio Lower Upper
119 100
91 69.9 0.0 139.8
134 25.3 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 19.683 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion:105 Resp: 229265
Ion Ratio Lower Upper
105 100
120 44.1 0.0 86.6





#81

sec-Butylbenzene

Concen: 19.698 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

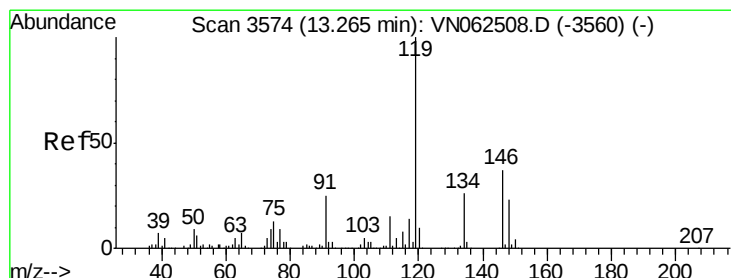
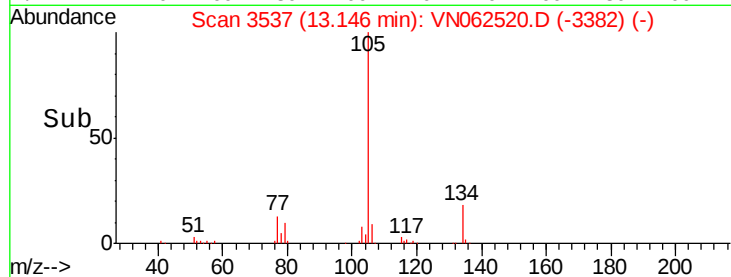
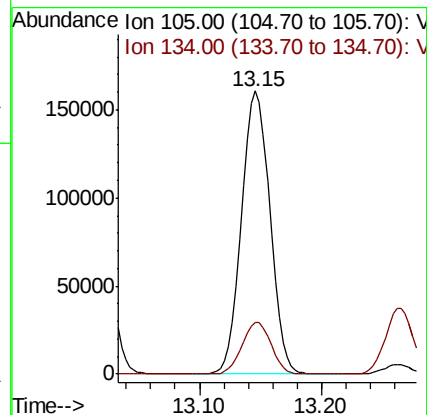
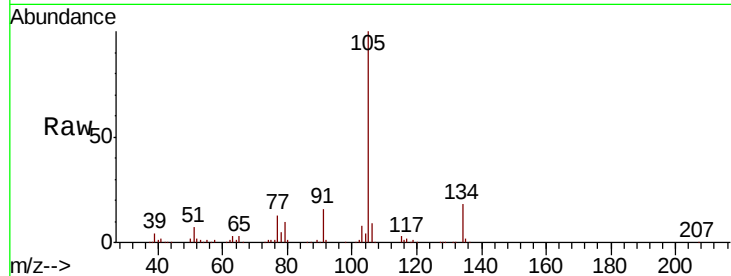
VSTDCCC020

Tot Ion:105 Resp: 259417

Ion Ratio Lower Upper

105 100

134 18.6 0.0 37.2



#82

p-Isopropyltoluene

Concen: 19.660 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

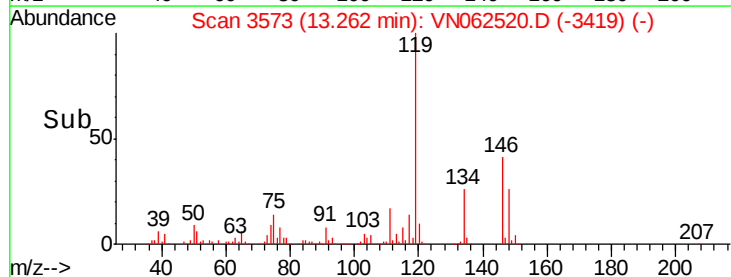
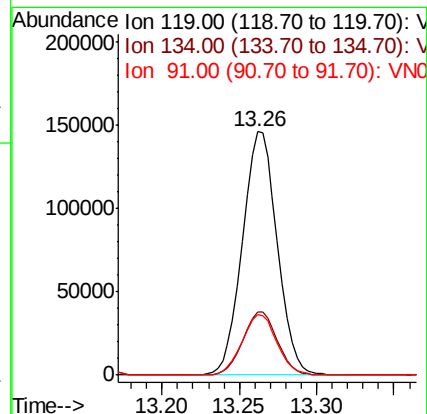
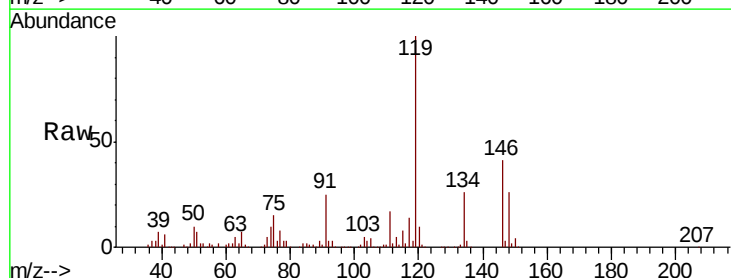
Tgt Ion:119 Resp: 228479

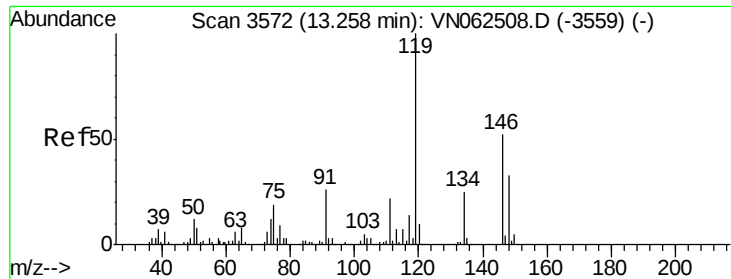
Ion Ratio Lower Upper

119 100

134 25.8 0.0 50.8

91 25.0 0.0 51.2

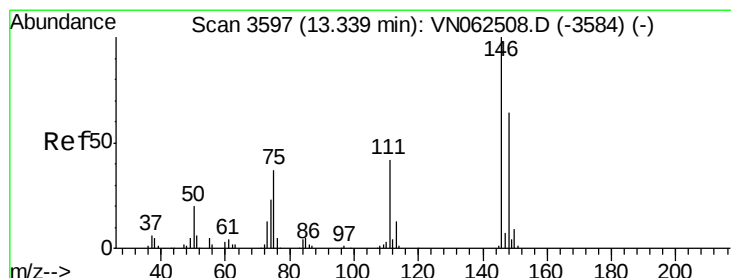
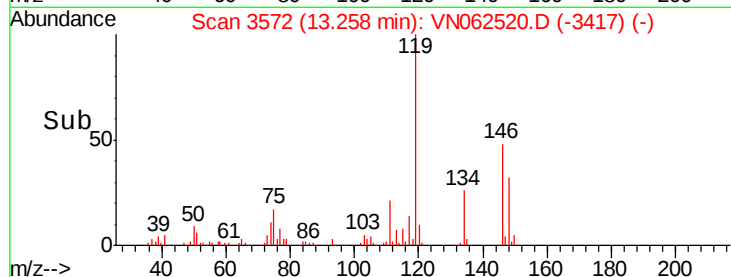
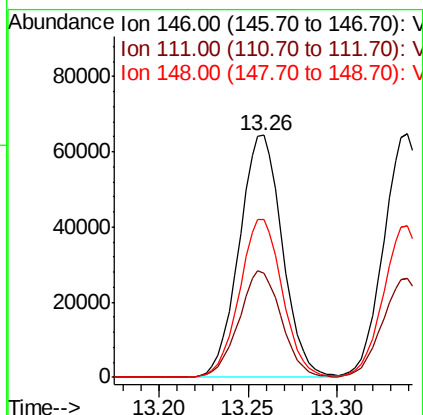
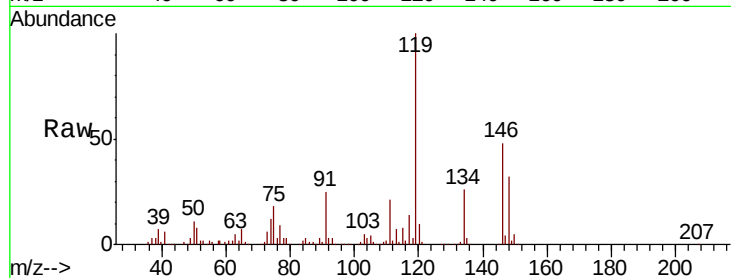




#83
 1,3-Dichlorobenzene
 Concen: 19.470 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

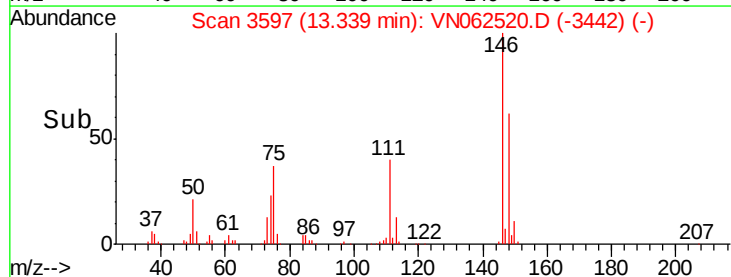
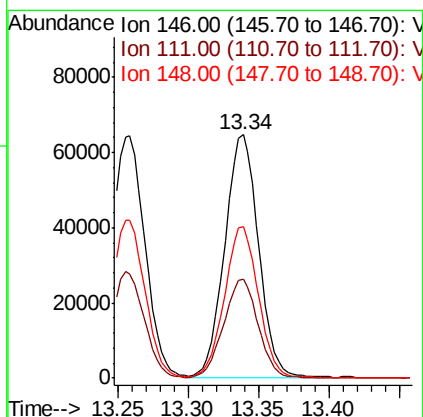
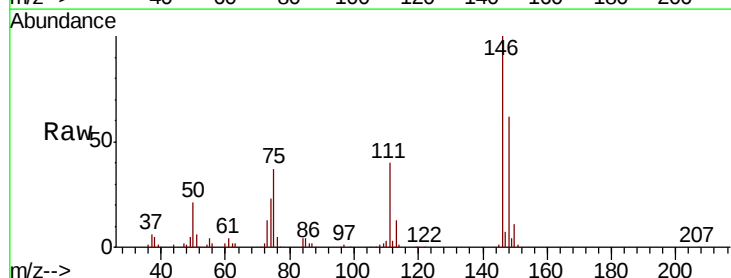
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

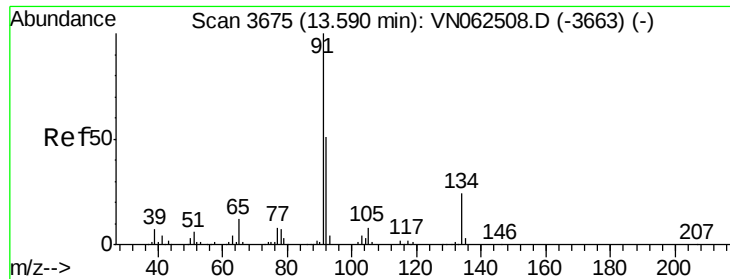
Tot Ion:146 Resp: 108840
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.0 63.0
 148 64.4 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.629 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion:146 Resp: 108275
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.4 64.2
 148 63.0 32.4 97.2

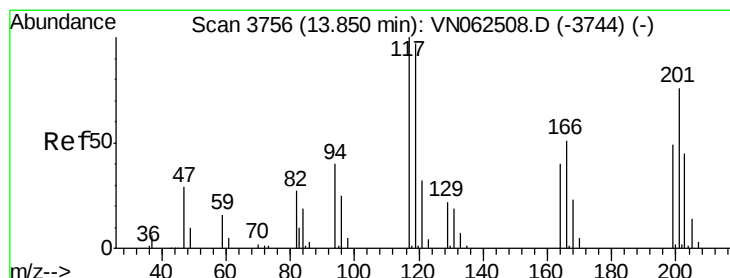
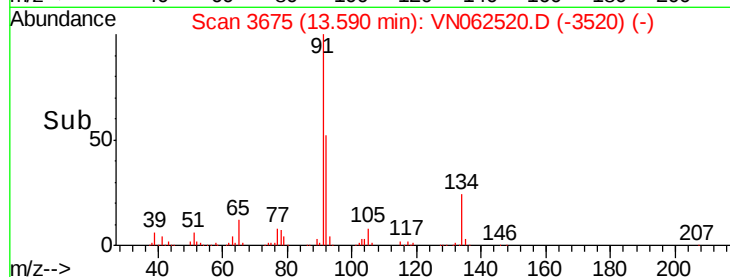
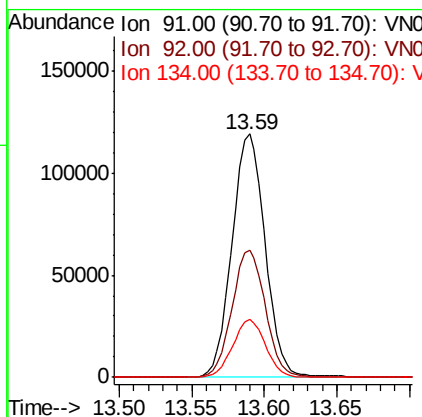
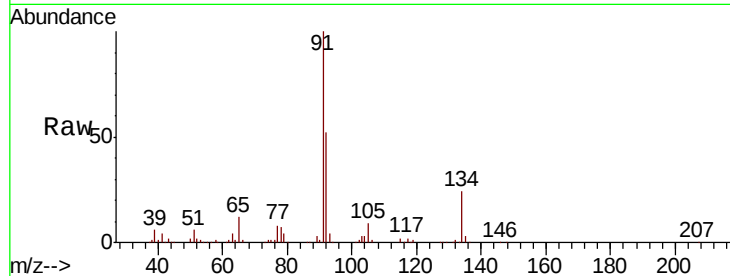




#85
n-Butylbenzene
Concen: 19.009 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

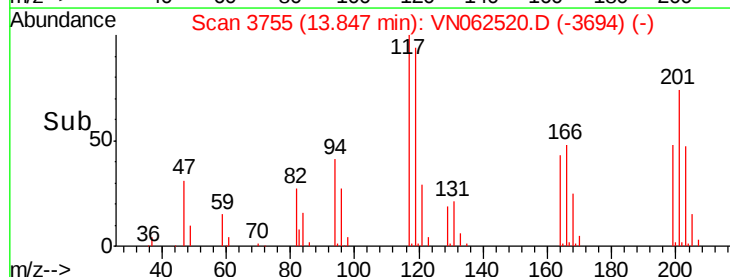
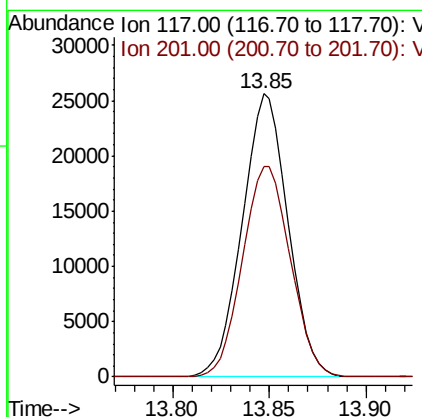
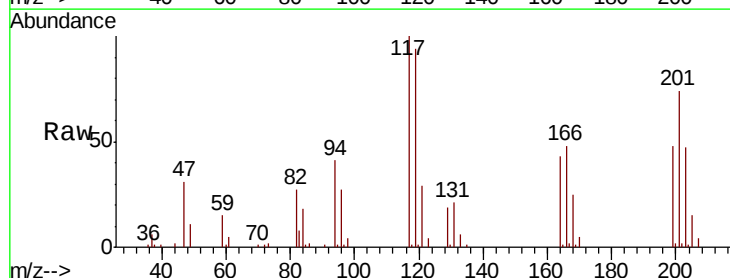
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

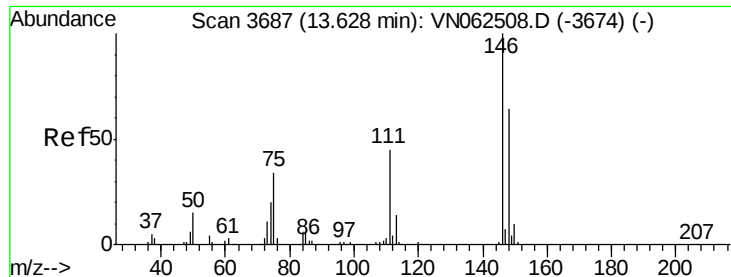
Tot Ion: 91 Resp: 189501
Ion Ratio Lower Upper
91 100
92 52.4 0.0 102.4
134 23.4 0.0 46.6



#86
Hexachloroethane
Concen: 18.829 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062520.D
Acq: 14 Jul 2020 9:32

Tgt Ion: 117 Resp: 42225
Ion Ratio Lower Upper
117 100
201 77.9 37.4 112.2





#87

1,2-Dichlorobenzene

Concen: 19.662 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

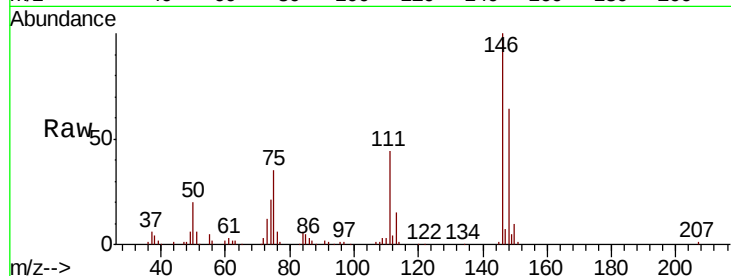
Tot Ion:146 Resp: 105695

Ion Ratio Lower Upper

146 100

111 44.5 22.4 67.0

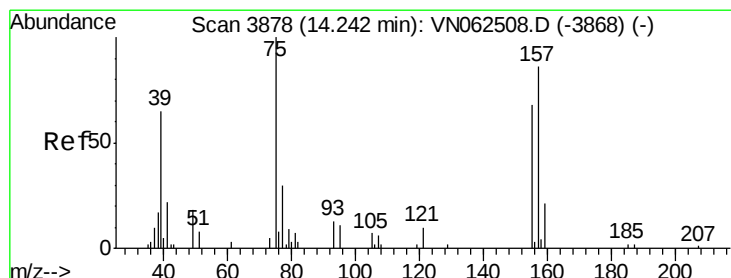
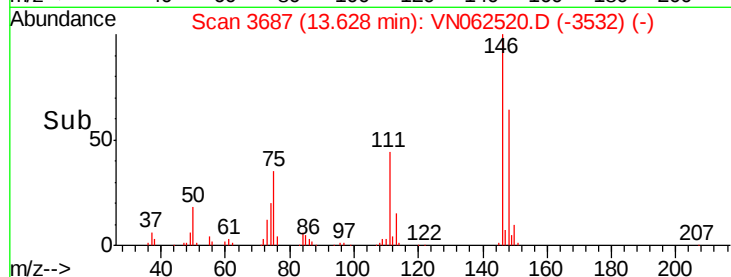
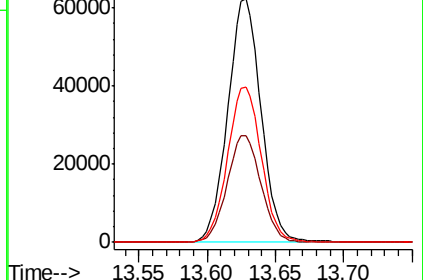
148 64.5 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.607 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

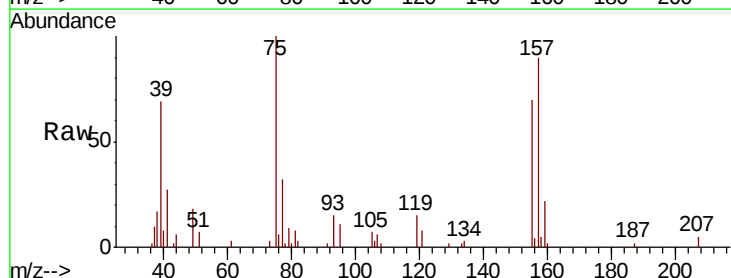
Tgt Ion: 75 Resp: 15785

Ion Ratio Lower Upper

75 100

155 69.5 55.7 83.5

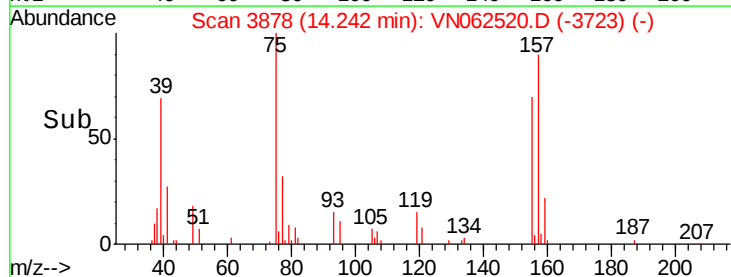
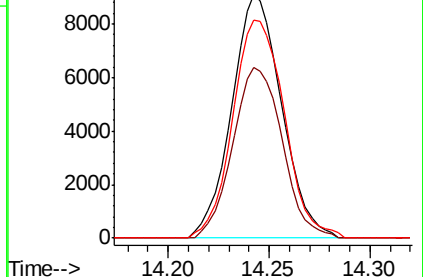
157 92.3 71.0 106.6

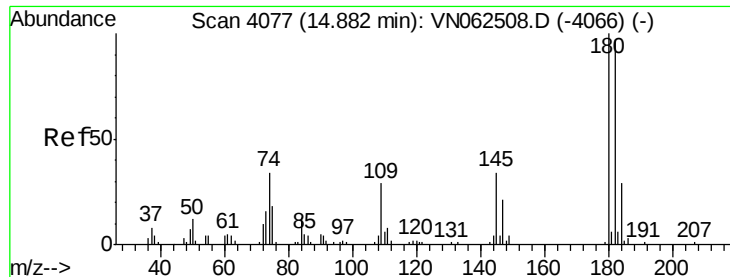


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

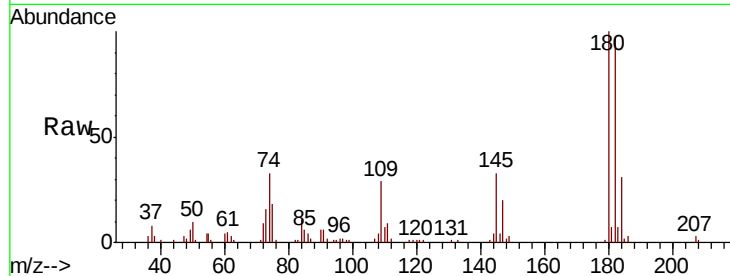




#89
 1,2,4-Trichlorobenzene
 Concen: 18.321 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.5	116.3
145	32.3	26.1	39.1

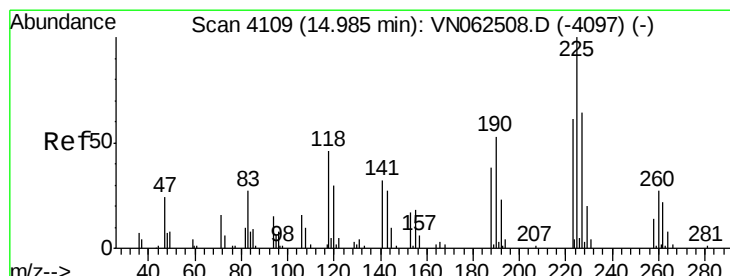
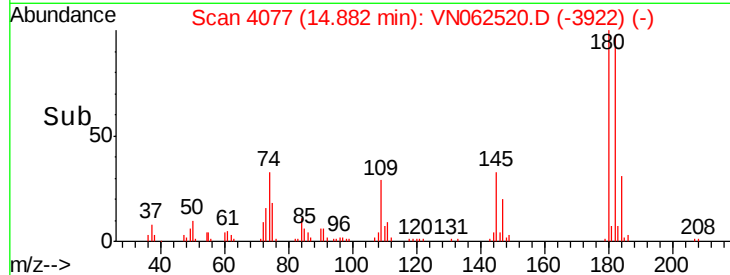
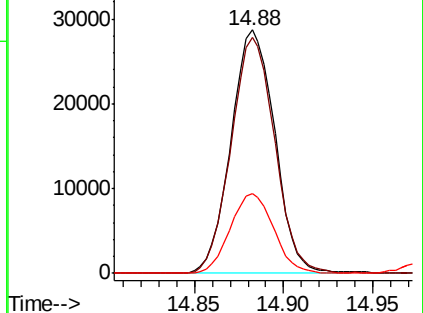


Abundance

Ion 180.00 (179.70 to 180.70): V

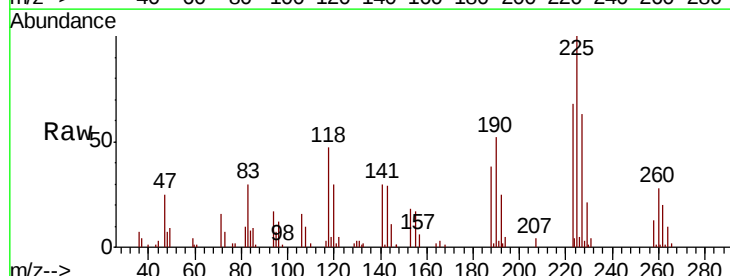
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.313 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062520.D
 Acq: 14 Jul 2020 9:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	0.0	120.4
227	63.7	0.0	129.6

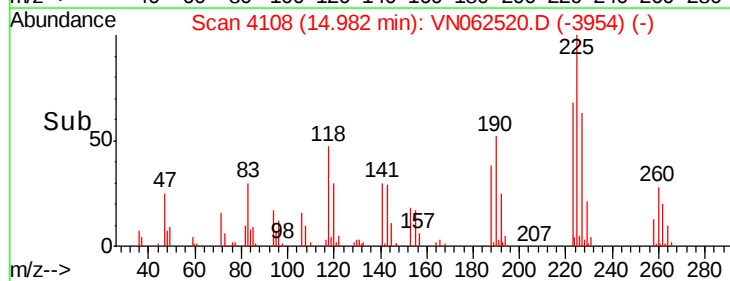
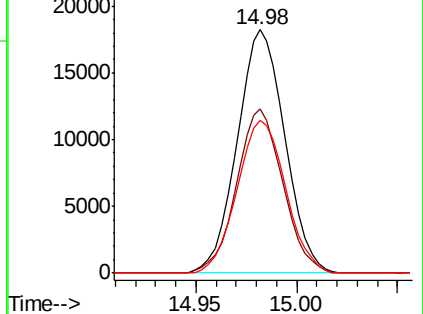


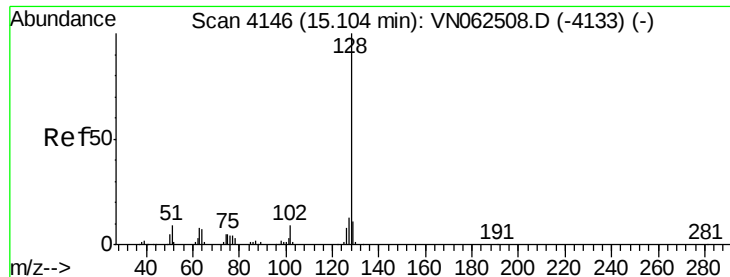
Abundance

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: 16.917 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

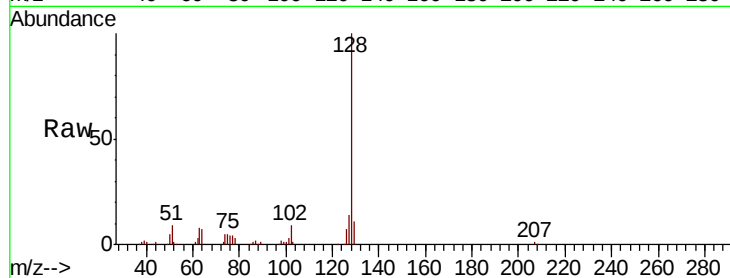
Tot Ion:128 Resp: 122741

Ion Ratio Lower Upper

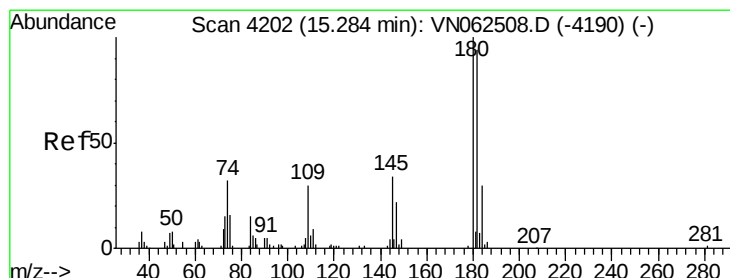
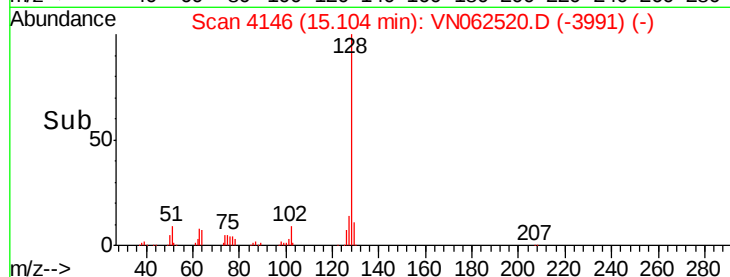
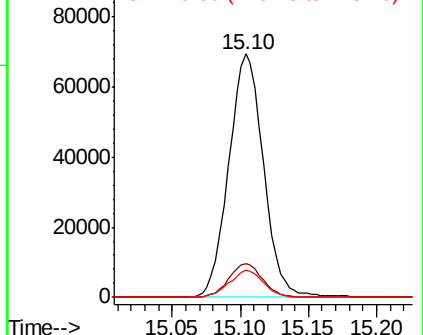
128 100

127 13.5 10.0 15.0

129 10.8 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: 18.498 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062520.D

Acq: 14 Jul 2020 9:32

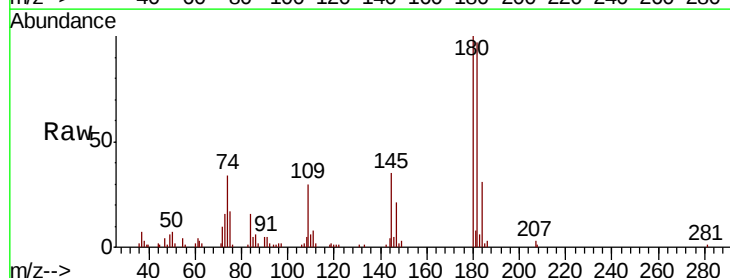
Tgt Ion:180 Resp: 49892

Ion Ratio Lower Upper

180 100

182 94.3 0.0 187.2

145 34.2 0.0 67.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

