

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064752.D
 Acq On : 20 Nov 2020 00:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 03 05:18:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:39:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	270270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	441508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	241259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	230686	48.52	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.04%
35) Dibromofluoromethane	7.54	113	145289	54.00	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.00%
50) Toluene-d8	10.06	98	601691	49.21	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.42%
62) 4-Bromofluorobenzene	12.37	95	224986	49.23	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	155864	46.154	ug/l	100
3) Chloromethane	2.04	50	175965	47.121	ug/l	100
4) Vinyl Chloride	2.17	62	221911	56.952	ug/l	99
5) Bromomethane	2.54	94	153956	53.882	ug/l	98
6) Chloroethane	2.68	64	148699	56.561	ug/l	98
7) Trichlorofluoromethane	2.99	101	356103	51.027	ug/l	97
8) Diethyl Ether	3.37	74	123164	54.697	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	148543	49.254	ug/l	99
10) Methyl Iodide	3.91	142	160241	44.449	ug/l	98
11) Tert butyl alcohol	4.73	59	113712	246.524	ug/l	99
12) 1,1-Dichloroethene	3.69	96	141423	48.671	ug/l	97
13) Acrolein	3.57	56	33625	311.365	ug/l	92
14) Allyl chloride	4.27	41	241822	48.469	ug/l	99
15) Acrylonitrile	4.93	53	343693	253.756	ug/l	100
16) Acetone	3.77	43	323739	280.791	ug/l	97
17) Carbon Disulfide	4.01	76	407184	48.191	ug/l	100
18) Methyl Acetate	4.27	43	160644	46.148	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	487570	50.147	ug/l	99
20) Methylene Chloride	4.50	84	166862	47.394	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	154457	47.640	ug/l	94
22) Diisopropyl ether	5.90	45	548262	52.035	ug/l	97
23) Vinyl Acetate	5.84	43	2252985	264.955	ug/l	100
24) 1,1-Dichloroethane	5.79	63	311107	50.397	ug/l	100
25) 2-Butanone	6.78	43	489108	269.074	ug/l	99
26) 2,2-Dichloropropane	6.78	77	262271	44.711	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	179217	50.137	ug/l	98
28) Bromochloromethane	7.15	49	151348	48.626	ug/l	99
29) Tetrahydrofuran	7.16	42	319333	260.003	ug/l	99
30) Chloroform	7.33	83	335913	50.073	ug/l	98
31) Cyclohexane	7.61	56	241382	46.960	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	307732	50.187	ug/l	99
36) 1,1-Dichloropropene	7.75	75	245857	50.555	ug/l	99
37) Ethyl Acetate	6.88	43	209132	51.357	ug/l #	94
38) Carbon Tetrachloride	7.73	117	272013	52.630	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	223312	51.824	ug/l	97
40) Benzene	8.00	78	692784	51.126	ug/l	99
41) Methacrylonitrile	7.12	41	101731	54.505	ug/l	97
42) 1,2-Dichloroethane	8.08	62	296670	50.886	ug/l	100
43) Isopropyl Acetate	8.12	43	378972	48.014	ug/l	99
44) Trichloroethene	8.80	130	191050	49.128	ug/l	95
45) 1,2-Dichloropropane	9.08	63	185150	51.261	ug/l	98
46) Dibromomethane	9.17	93	131334	51.296	ug/l	99
47) Bromodichloromethane	9.37	83	290949	54.055	ug/l	100
48) Methyl methacrylate	9.16	41	184087	49.430	ug/l	98
49) 1,4-Dioxane	9.16	88	50677	1090.679	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1126366	236.734	ug/l	100
52) Toluene	10.12	92	440908	52.831	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	286855	49.797	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	321236	54.157	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	173967	51.972	ug/l	99
56) Ethyl methacrylate	10.40	69	242151	44.388	ug/l	98
57) 1,3-Dichloropropane	10.68	76	301351	51.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	771965	256.577	ug/l	98
59) 2-Hexanone	10.72	43	816591	233.864	ug/l	100
60) Dibromochloromethane	10.87	129	199918	51.694	ug/l	100
61) 1,2-Dibromoethane	10.97	107	177613	49.747	ug/l	98
64) Tetrachloroethene	10.60	164	200129	51.131	ug/l	99
65) Chlorobenzene	11.40	112	464761	49.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	182765	52.082	ug/l	96
67) Ethyl Benzene	11.48	91	859979	51.934	ug/l	99
68) m/p-Xylenes	11.59	106	646048	96.239	ug/l	100
69) o-Xylene	11.92	106	299279	51.805	ug/l	98
70) Styrene	11.94	104	520272	46.370	ug/l	99
71) Bromoform	12.10	173	123183	45.394	ug/l #	100
73) Isopropylbenzene	12.22	105	797474	46.556	ug/l	100
74) N-amyl acetate	12.04	43	354312	44.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	210736	44.003	ug/l	100
76) 1,2,3-Trichloropropane	12.52	75	351759	67.668	ug/l #	100
77) Bromobenzene	12.50	156	191534	44.334	ug/l	97
78) n-propylbenzene	12.56	91	1131112	56.702	ug/l	100
79) 2-Chlorotoluene	12.65	91	643112	50.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	748066	52.572	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	81567	40.729	ug/l	93
82) 4-Chlorotoluene	12.75	91	697647	51.245	ug/l	99
83) tert-Butylbenzene	12.97	119	591510	53.735	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	774067	53.302	ug/l	99
85) sec-Butylbenzene	13.14	105	852456	58.099	ug/l	100
86) p-Isopropyltoluene	13.26	119	716391	53.089	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	388083	49.301	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	416031	51.480	ug/l	98
89) n-Butylbenzene	13.59	91	590834	46.901	ug/l	99
90) Hexachloroethane	13.85	117	113123	50.710	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	338791	44.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	52868	42.068	ug/l	99

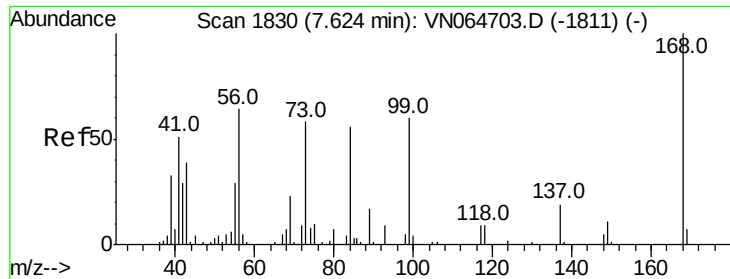
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	176741	42.427	ug/l	98
94) Hexachlorobutadiene	14.98	225	77711	45.274	ug/l	96
95) Naphthalene	15.10	128	585052	43.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	174697	43.620	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

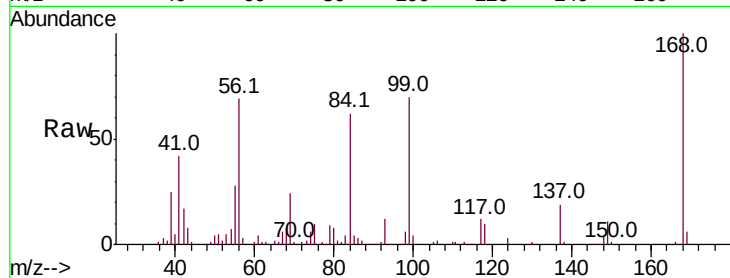
VSTDCCC050

Tot Ion:168 Resp: 270270

Ion Ratio Lower Upper

168 100

99 69.5 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

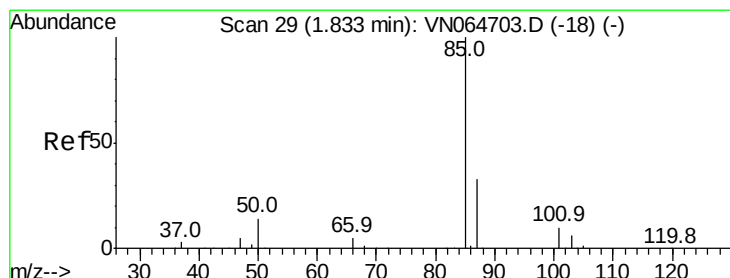
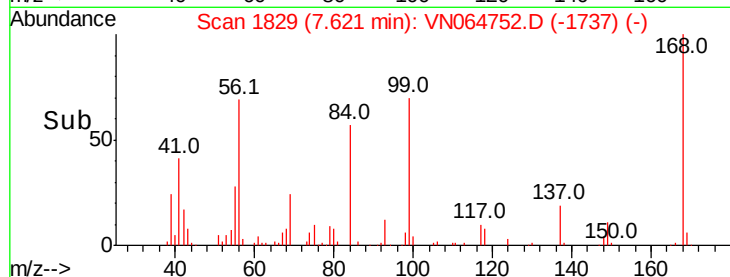
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.154 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064752.D

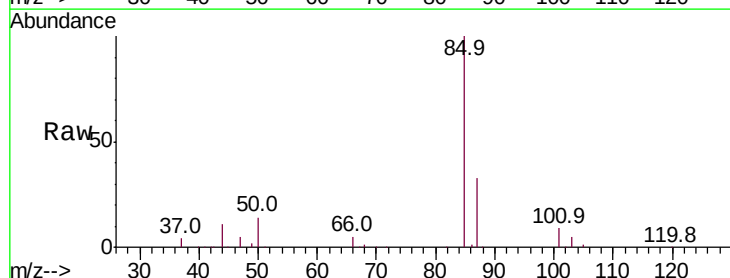
Acq: 20 Nov 2020 00:14

Tgt Ion: 85 Resp: 155864

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

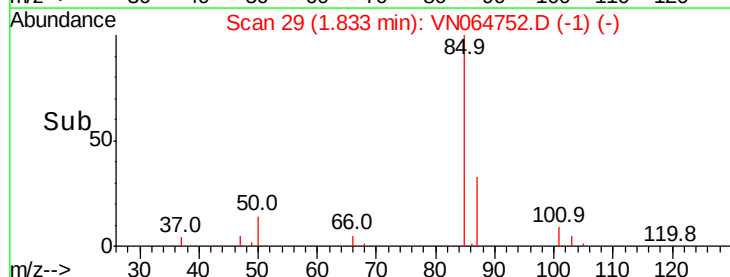
1.83

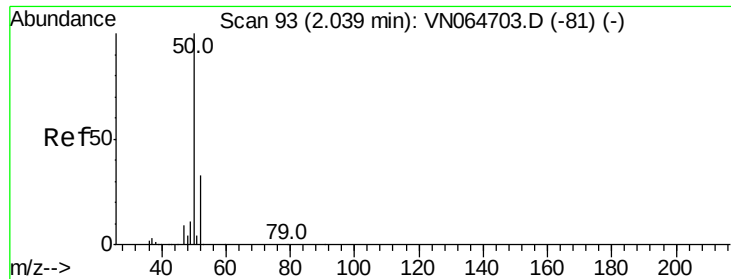
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 47.121 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

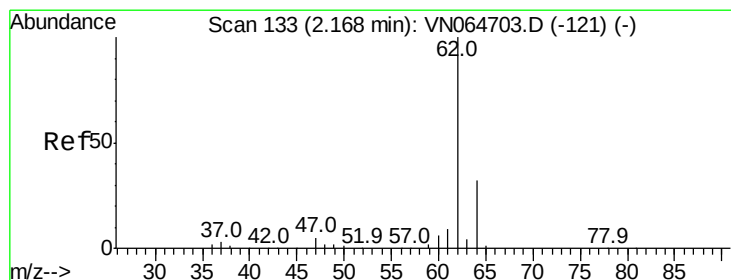
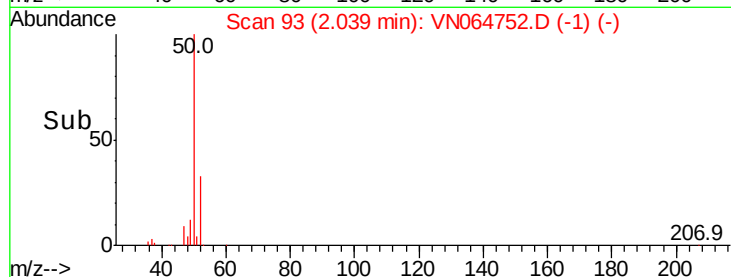
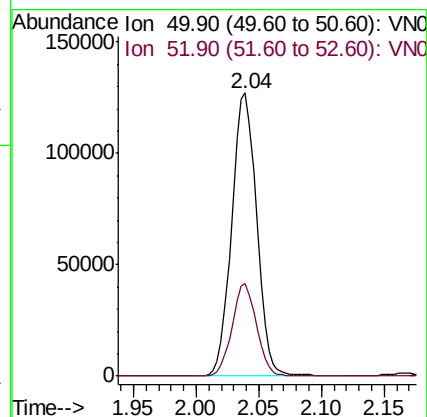
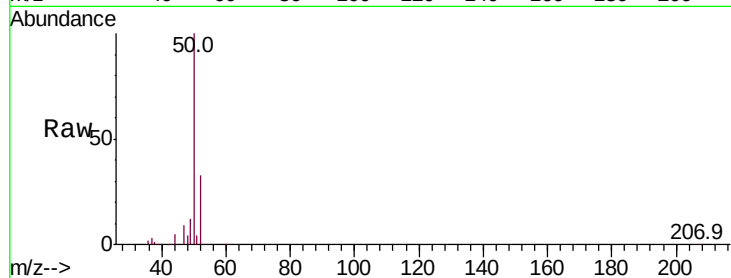
VSTDCCC050

Tot Ion: 50 Resp: 175965

Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6



#4

Vinyl Chloride

Concen: 56.952 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064752.D

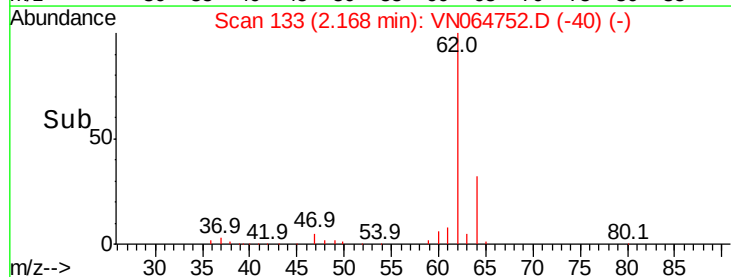
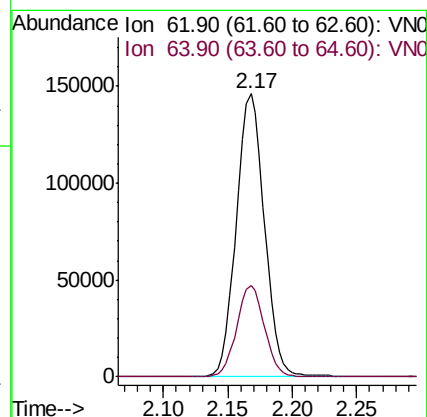
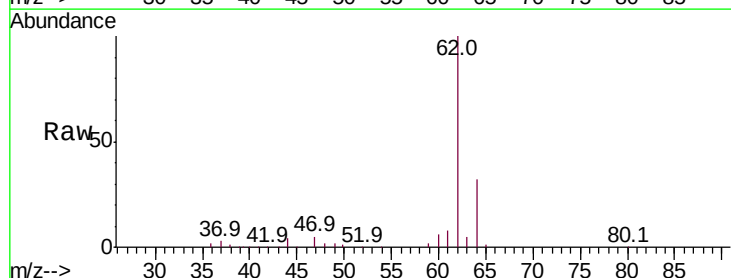
Acq: 20 Nov 2020 00:14

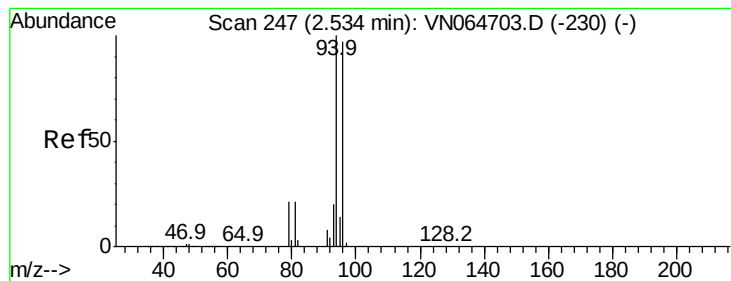
Tgt Ion: 62 Resp: 221911

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 53.882 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

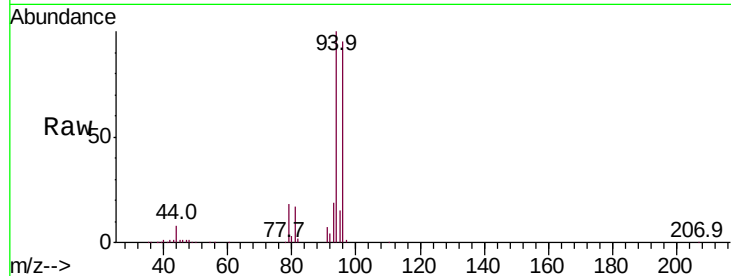
VSTDCCC050

Tot Ion: 94 Resp: 153956

Ion Ratio Lower Upper

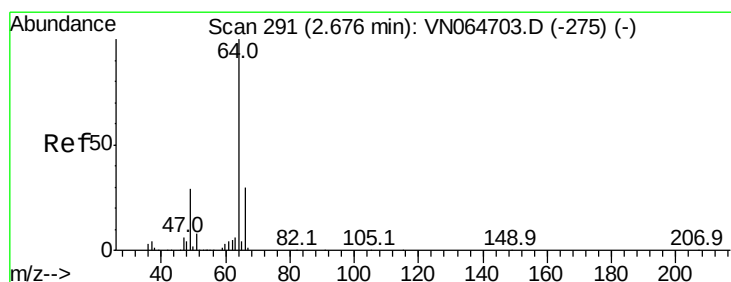
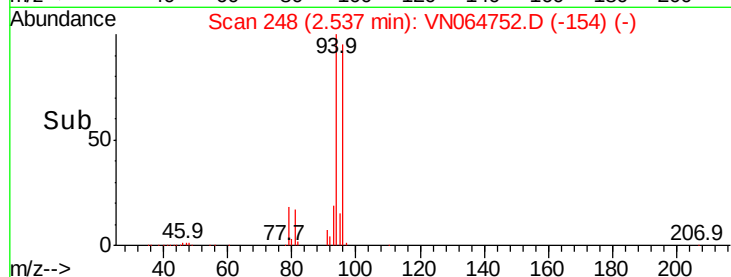
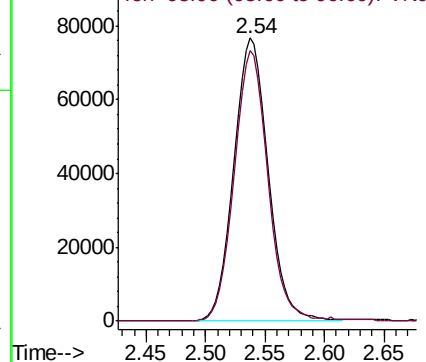
94 100

96 95.4 77.8 116.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 56.561 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064752.D

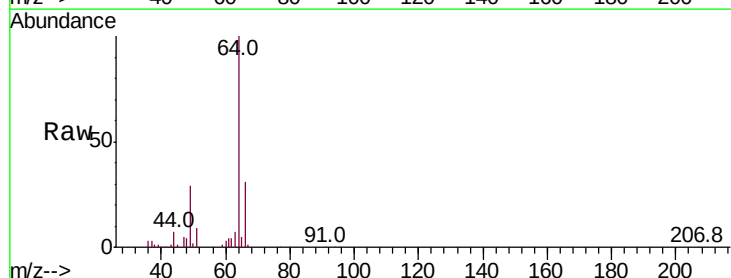
Acq: 20 Nov 2020 00:14

Tgt Ion: 64 Resp: 148699

Ion Ratio Lower Upper

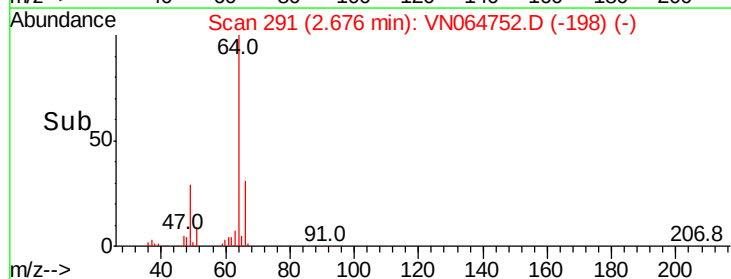
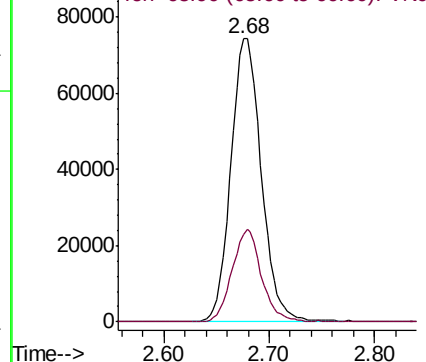
64 100

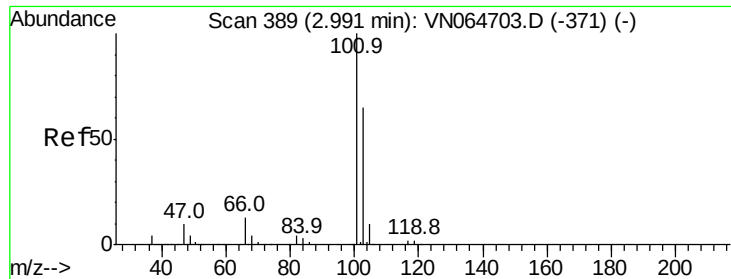
66 31.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



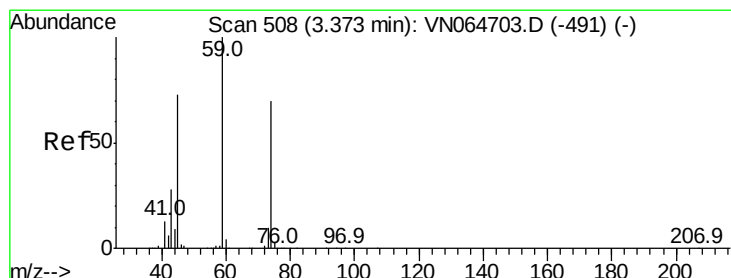
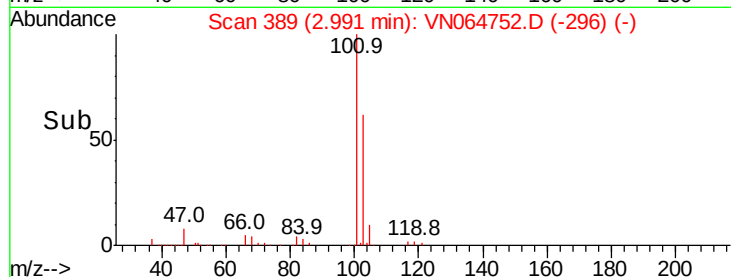
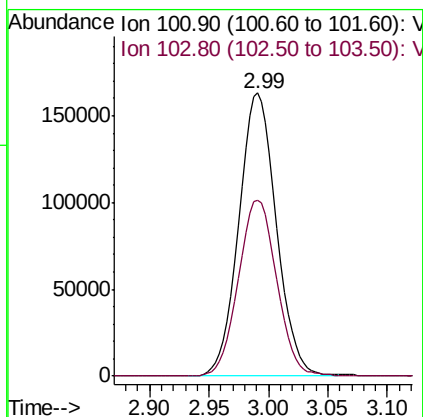
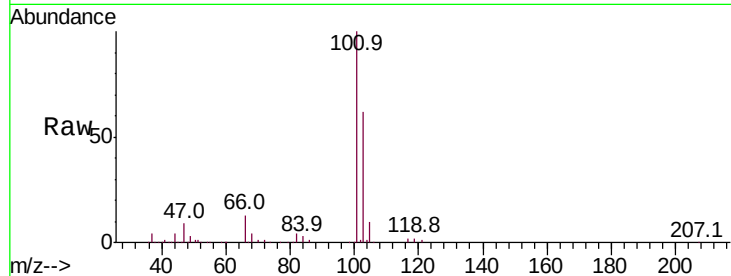


#7

Trichlorofluoromethane
 Concen: 51.027 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Instrument :
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 VSTDCCC050

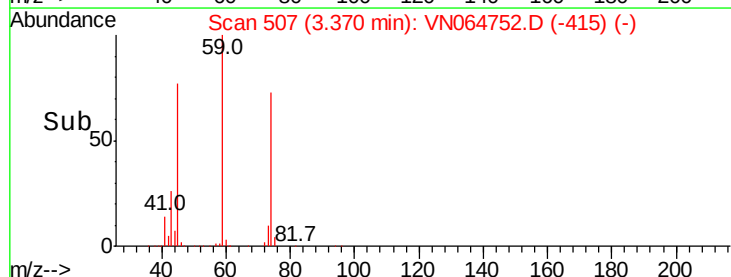
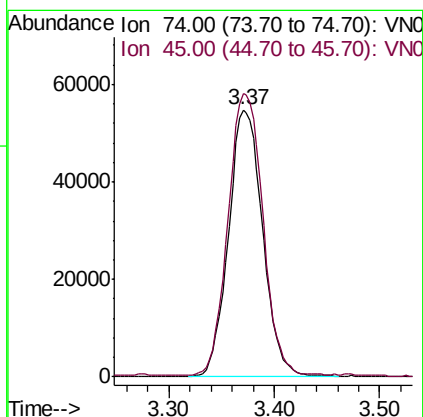
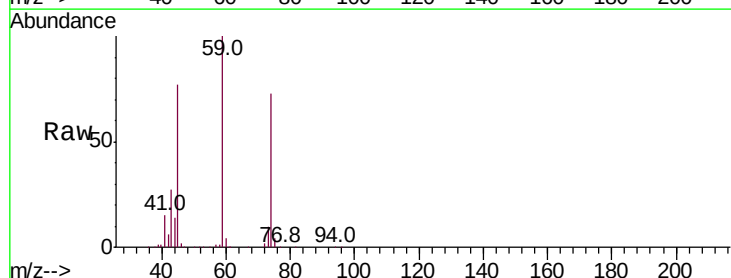
Tot Ion:101 Resp: 356103
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.8 77.6

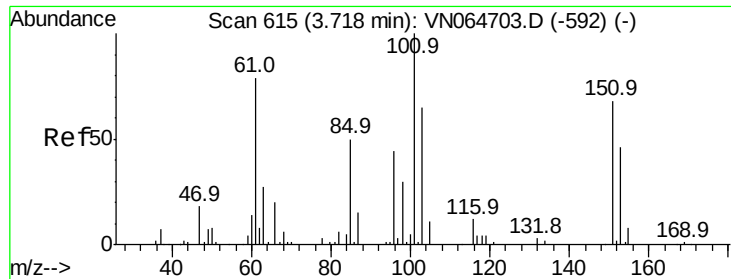


#8

Diethyl Ether
 Concen: 54.697 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 74 Resp: 123164
 Ion Ratio Lower Upper
 74 100
 45 107.2 52.8 158.5

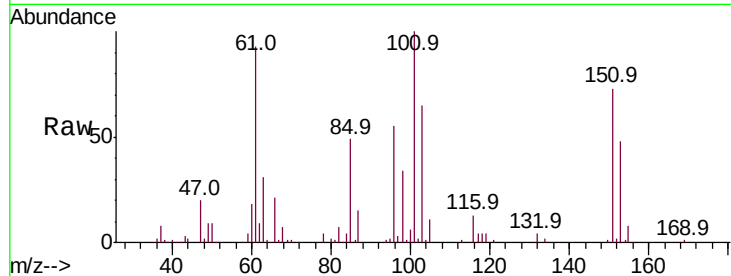




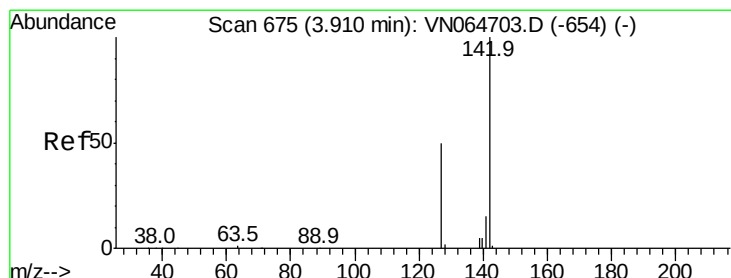
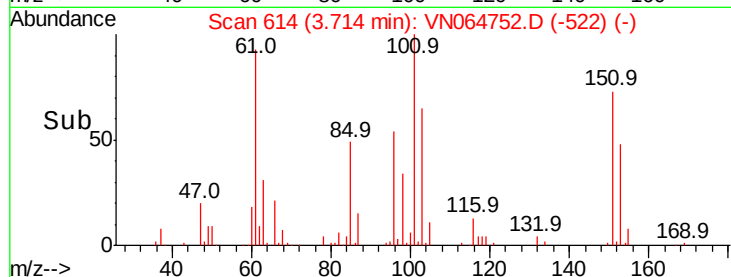
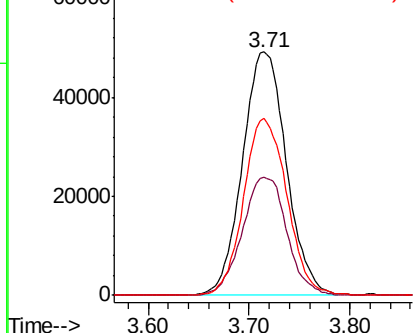
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.254 ug/l
RT: 3.71 min Scan# 614
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 148543
Ion Ratio Lower Upper
101 100
85 49.3 39.0 58.4
151 72.0 57.2 85.8

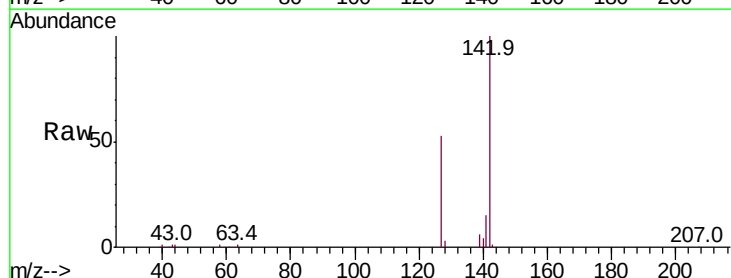


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

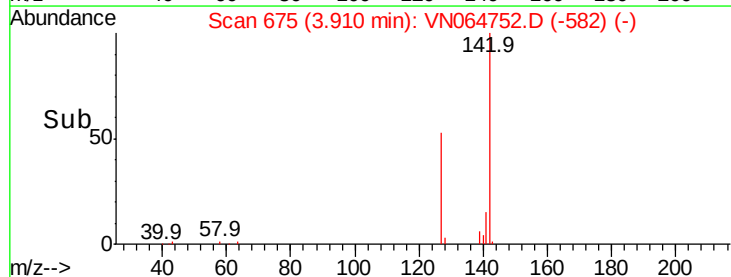
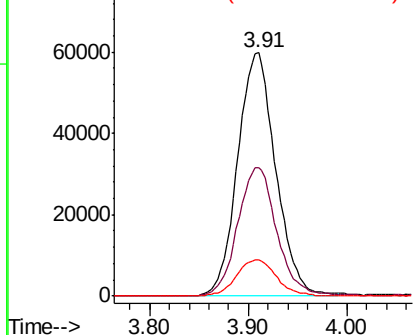


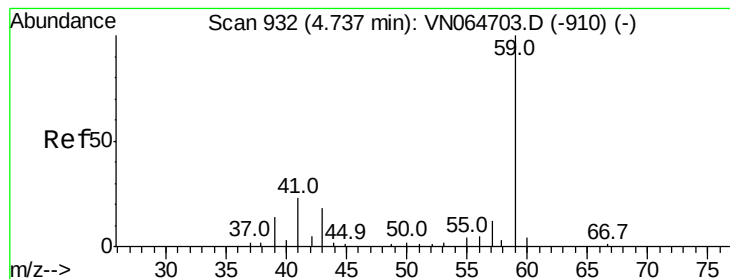
#10
Methyl Iodide
Concen: 44.449 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion:142 Resp: 160241
Ion Ratio Lower Upper
142 100
127 54.4 42.0 63.0
141 15.6 12.1 18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



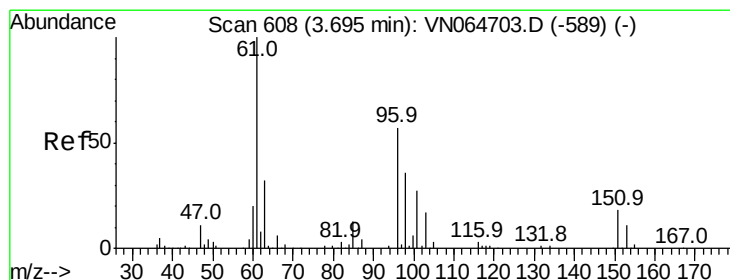
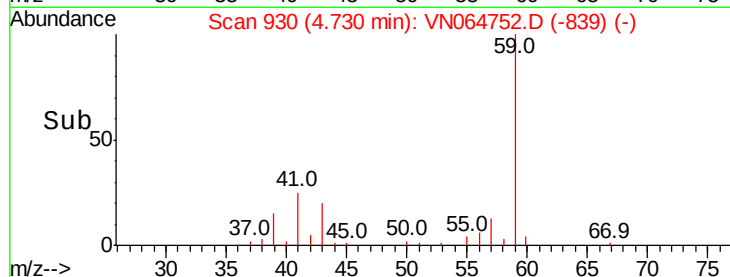
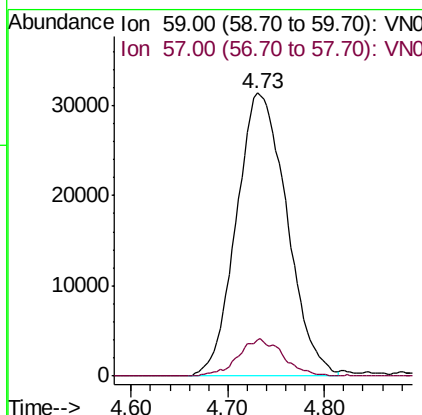
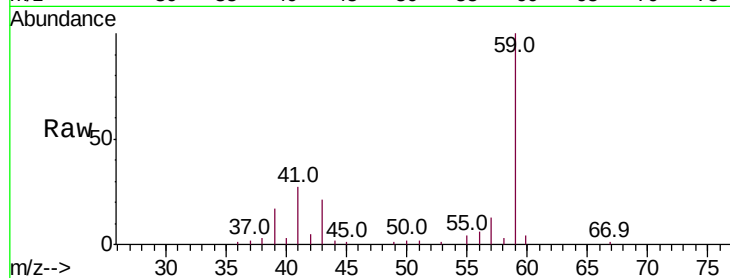


#11

Tert butyl alcohol
 Concen: 246.524 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

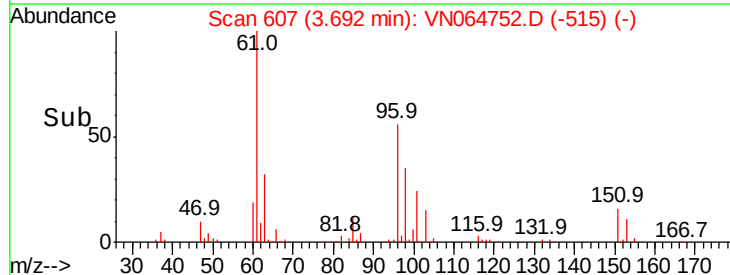
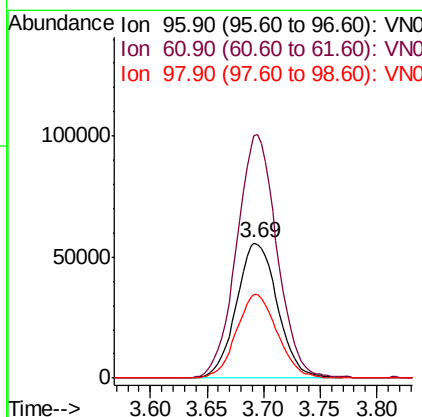
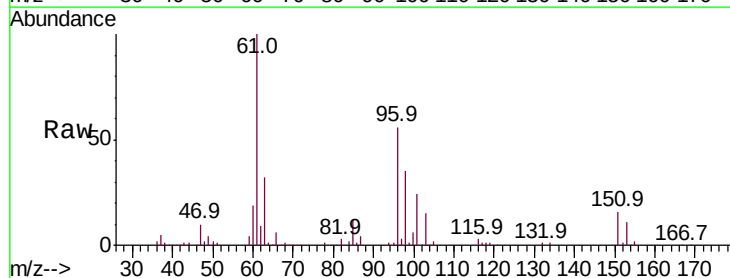
Tot Ion: 59 Resp: 113712
 Ion Ratio Lower Upper
 59 100
 57 11.8 9.1 13.7

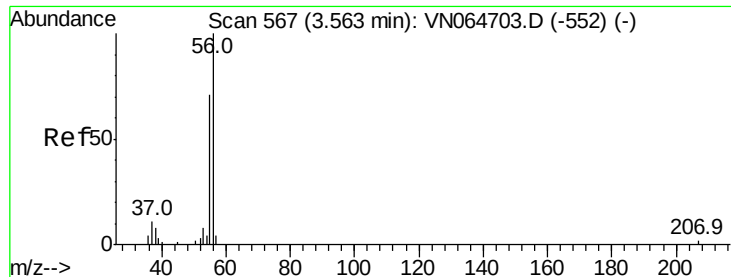


#12

1,1-Dichloroethene
 Concen: 48.671 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 96 Resp: 141423
 Ion Ratio Lower Upper
 96 100
 61 178.2 139.1 208.7
 98 62.0 50.2 75.2





#13

Acrolein

Concen: 311.365 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampled :

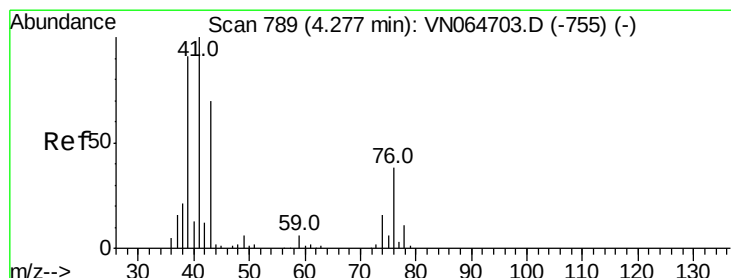
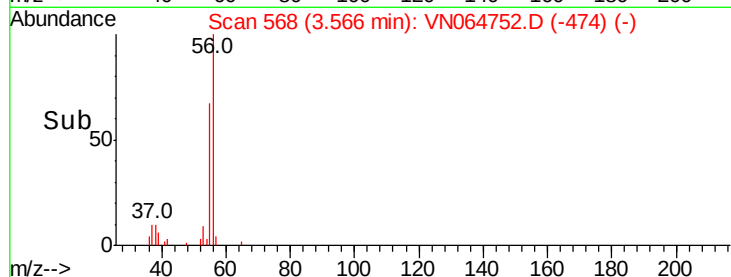
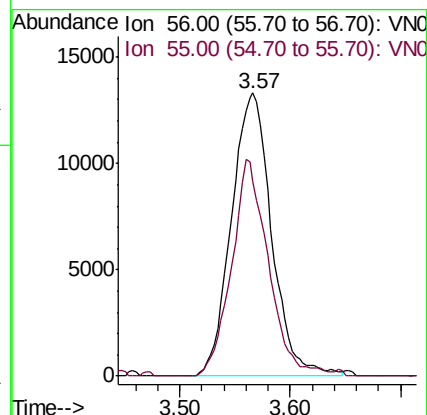
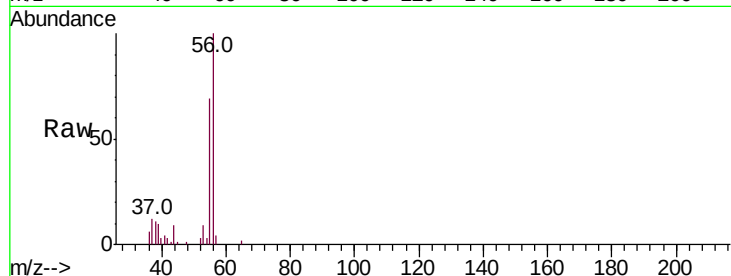
VSTDCCC050

Tot Ion: 56 Resp: 33625

Ion Ratio Lower Upper

56 100

55 70.1 61.8 92.6



#14

Allyl chloride

Concen: 48.469 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

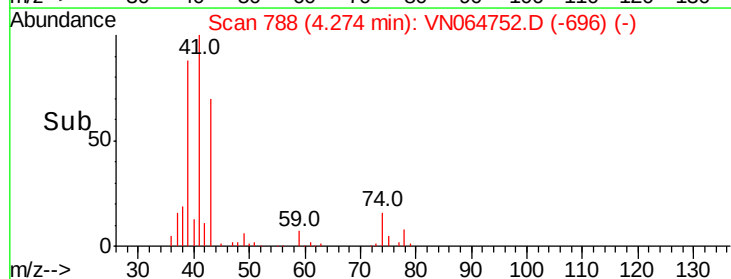
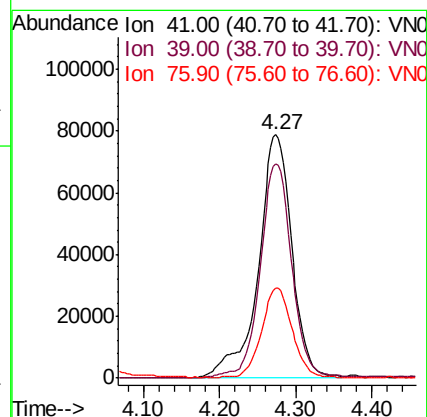
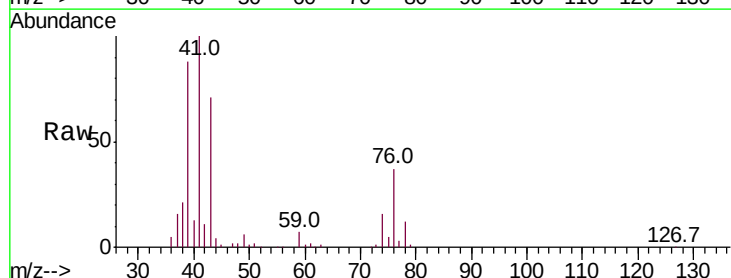
Tgt Ion: 41 Resp: 241822

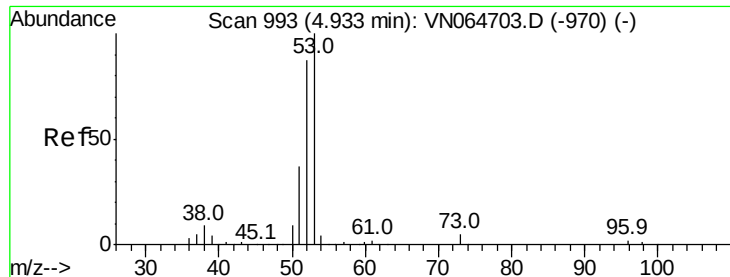
Ion Ratio Lower Upper

41 100

39 83.4 66.1 99.1

76 33.4 26.6 40.0





#15

Acrylonitrile

Concen: 253.756 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

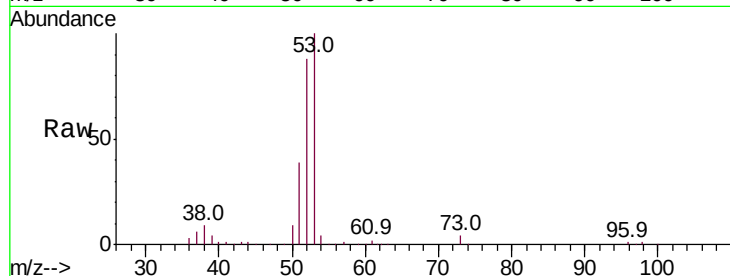
Tot Ion: 53 Resp: 343693

Ion Ratio Lower Upper

53 100

52 83.7 67.2 100.8

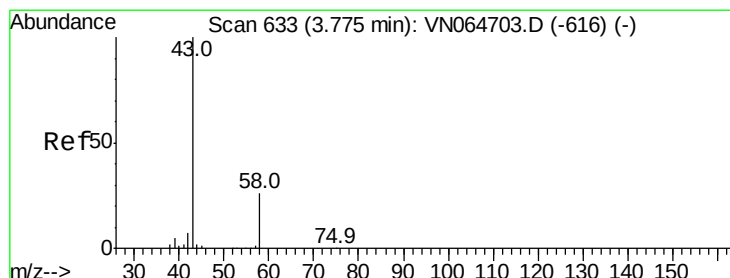
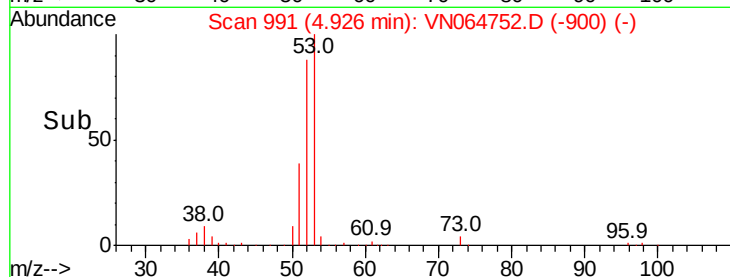
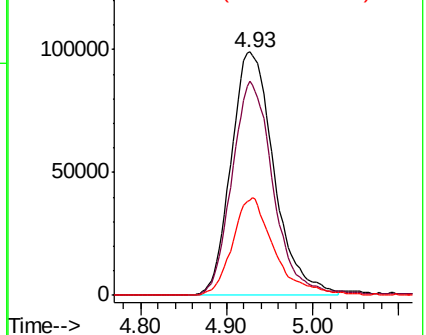
51 39.1 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 280.791 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064752.D

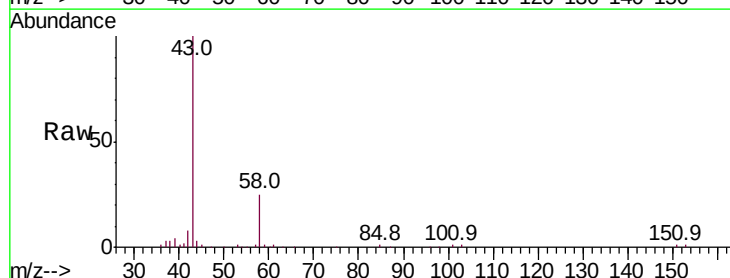
Acq: 20 Nov 2020 00:14

Tgt Ion: 43 Resp: 323739

Ion Ratio Lower Upper

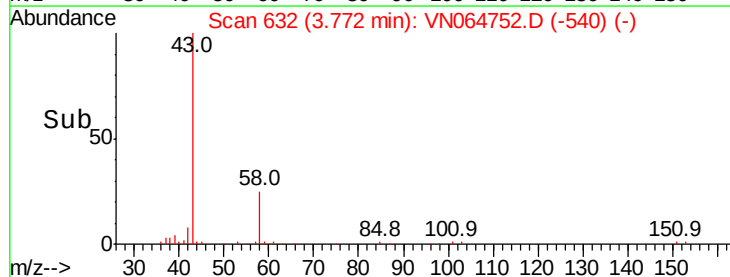
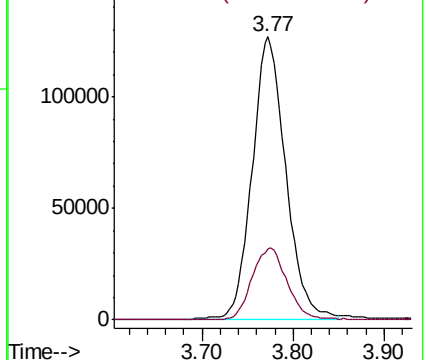
43 100

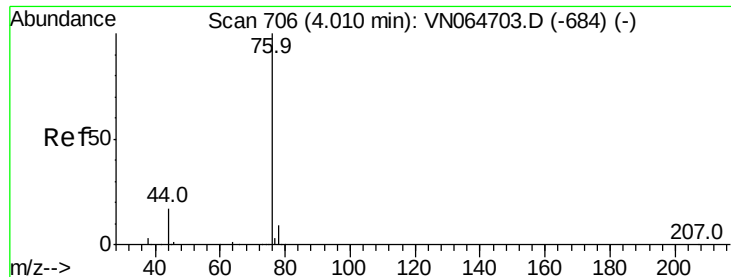
58 24.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

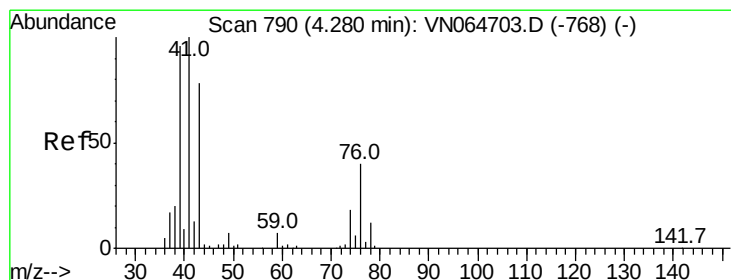
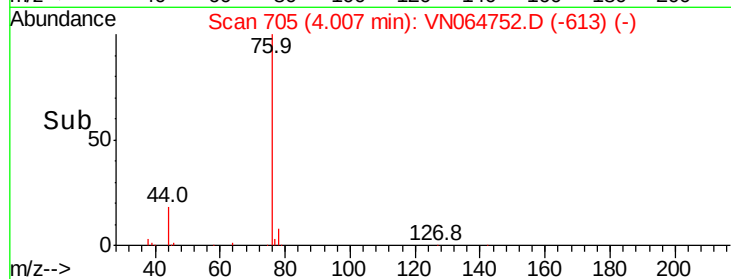
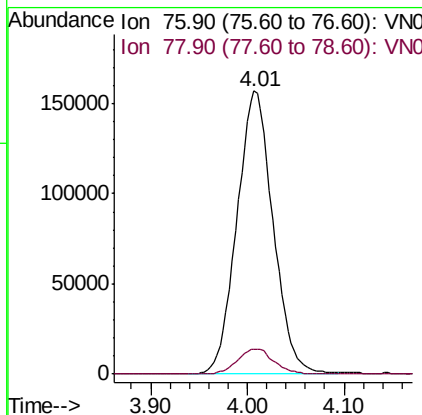
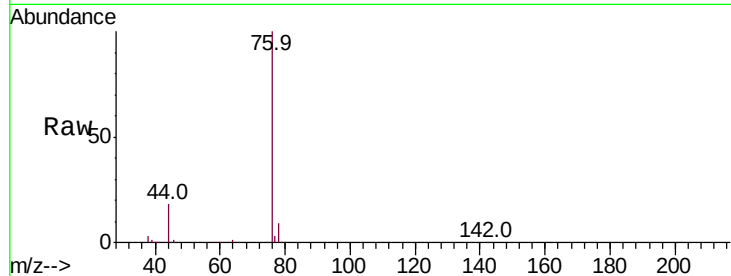




#17
Carbon Disulfide
Concen: 48.191 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

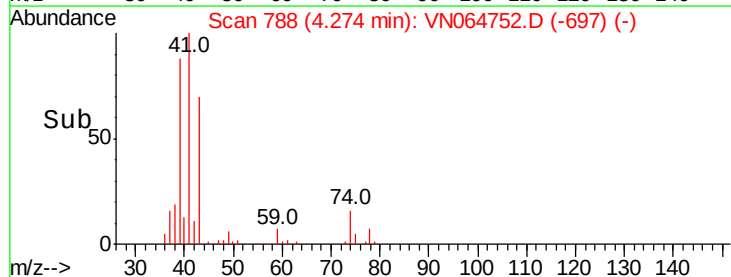
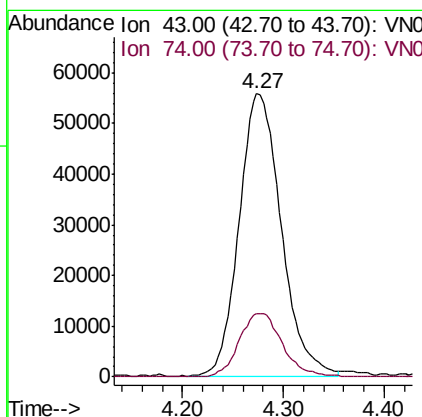
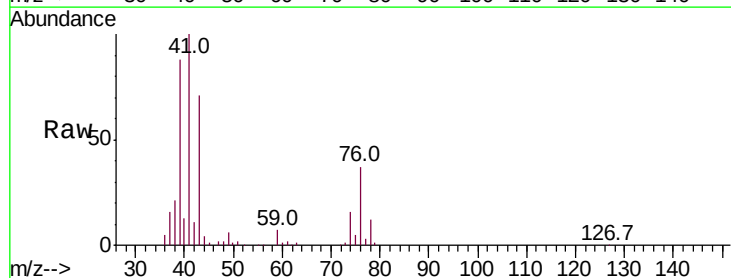
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

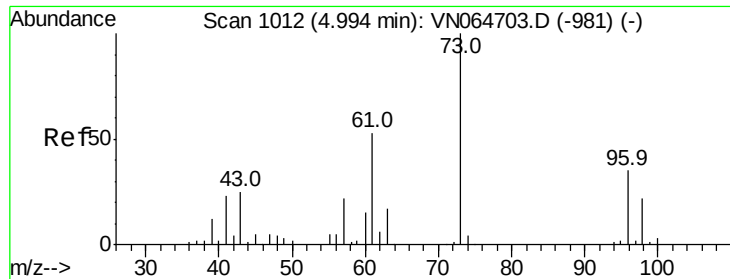
Tot Ion: 76 Resp: 407184
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 46.148 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion: 43 Resp: 160644
Ion Ratio Lower Upper
43 100
74 23.3 17.6 26.4



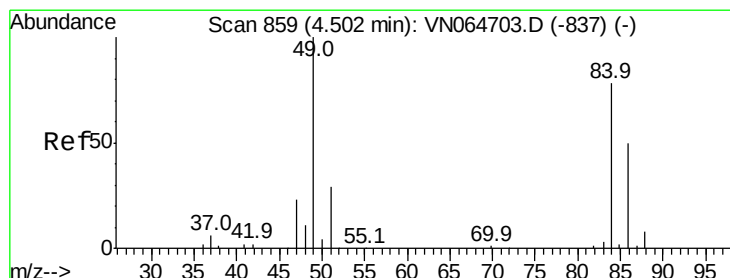
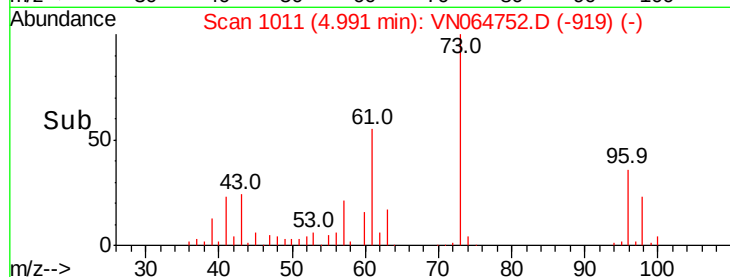
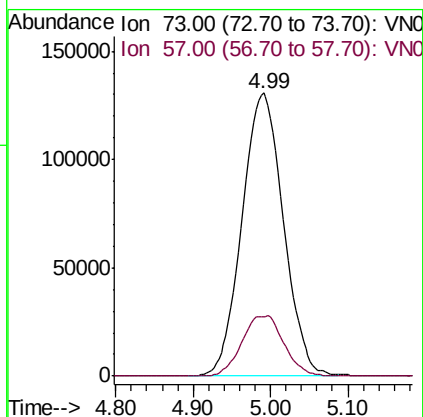
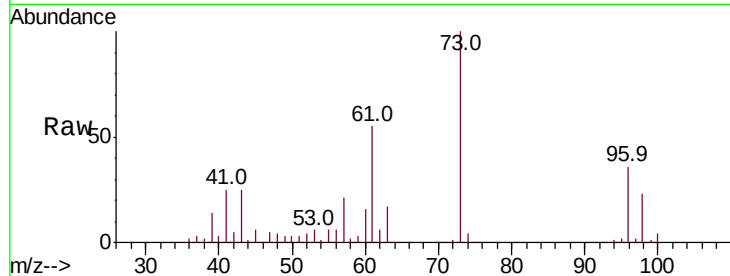


#19

Methvl tert-butyl Ether
 Concen: 50.147 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

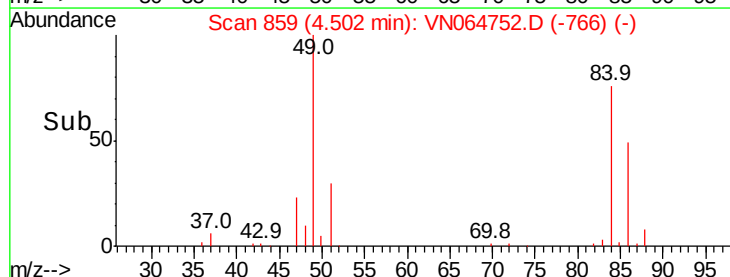
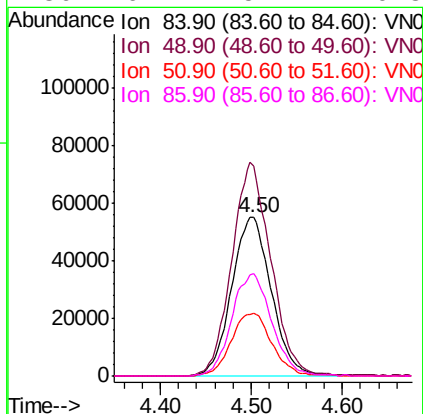
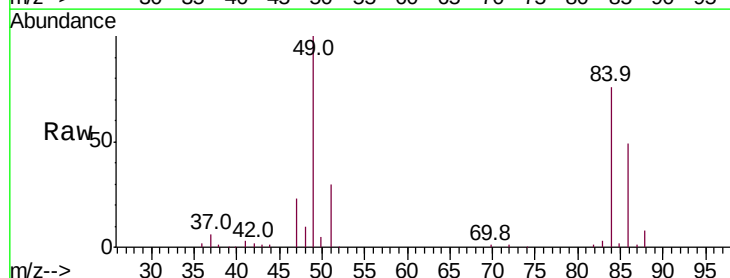
Tot Ion: 73 Resp: 487570
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.3 25.9

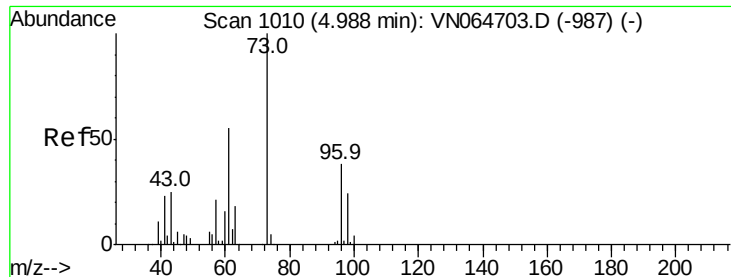


#20

Methylene Chloride
 Concen: 47.394 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 84 Resp: 166862
 Ion Ratio Lower Upper
 84 100
 49 131.8 102.4 153.6
 51 39.4 29.4 44.2
 86 64.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 47.640 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

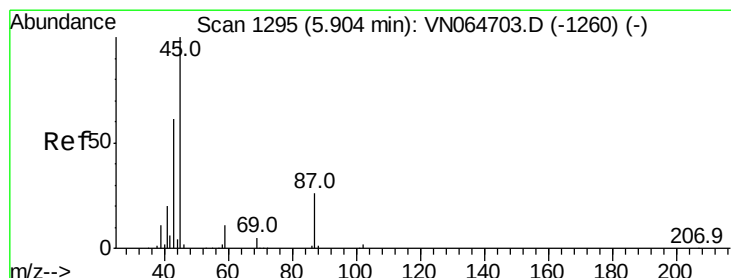
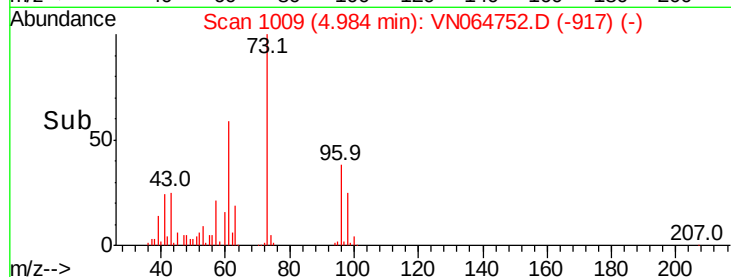
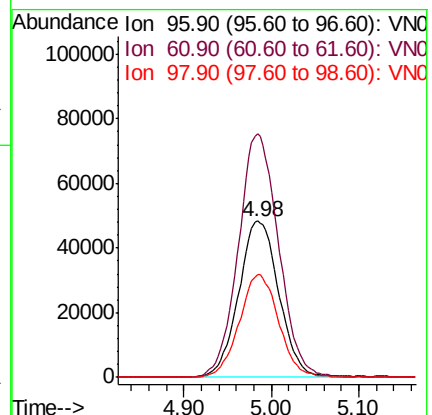
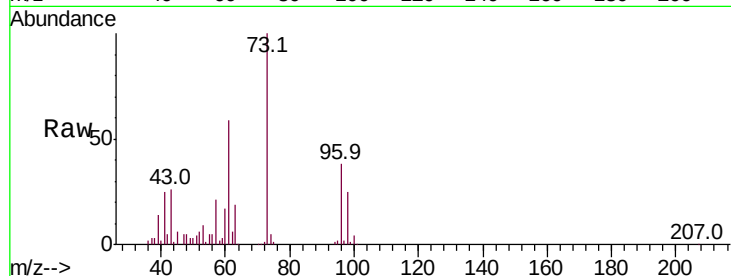
Tot Ion: 96 Resp: 154457

Ion Ratio Lower Upper

96 100

61 156.0 117.9 176.9

98 65.9 51.1 76.7



#22

Diisopropyl ether

Concen: 52.035 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Tgt Ion: 45 Resp: 548262

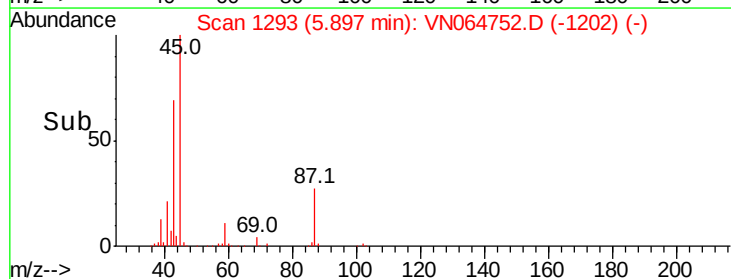
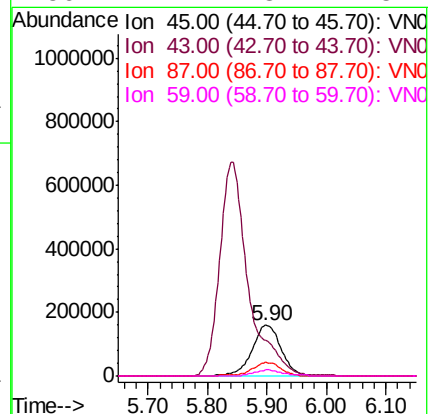
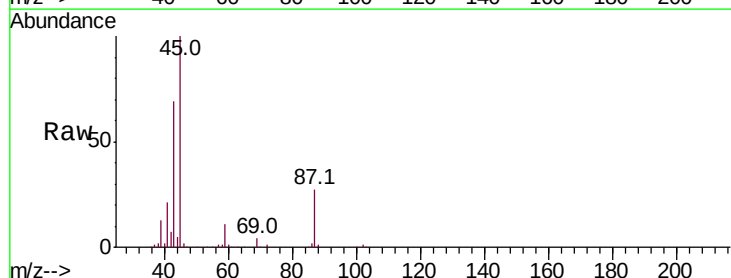
Ion Ratio Lower Upper

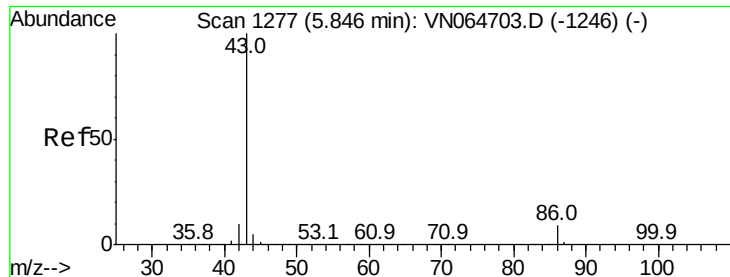
45 100

43 68.6 52.3 78.5

87 26.6 21.6 32.4

59 11.4 8.7 13.1

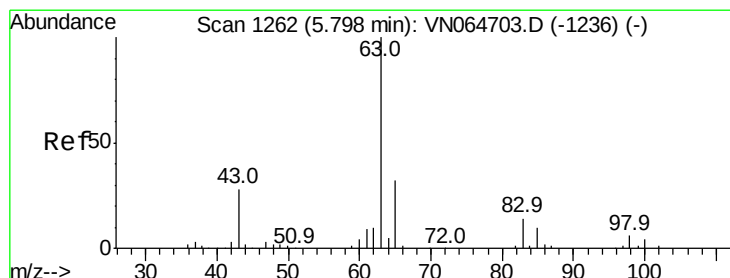
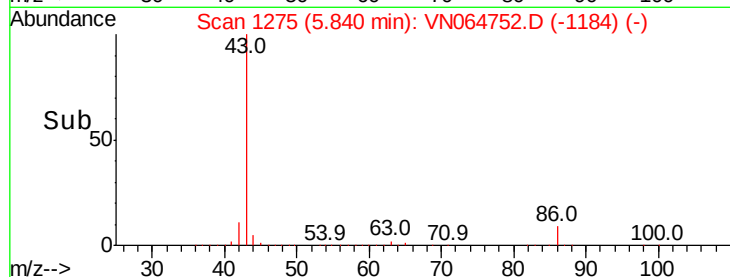
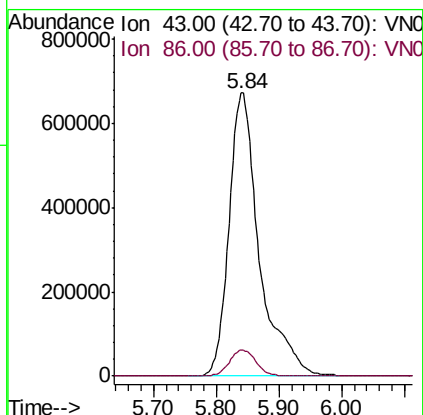
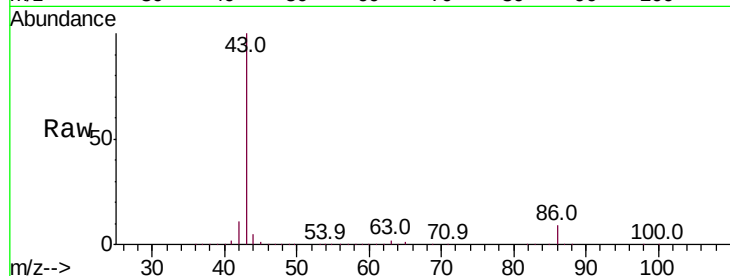




#23
 Vinyl Acetate
 Concen: 264.955 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

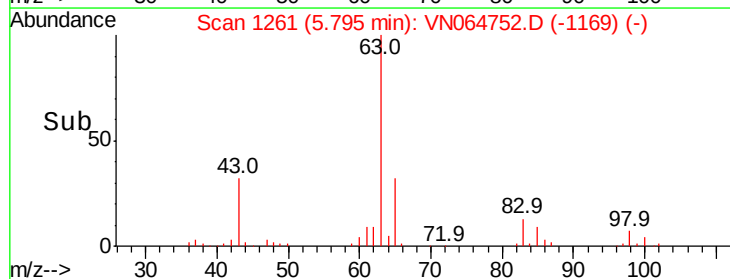
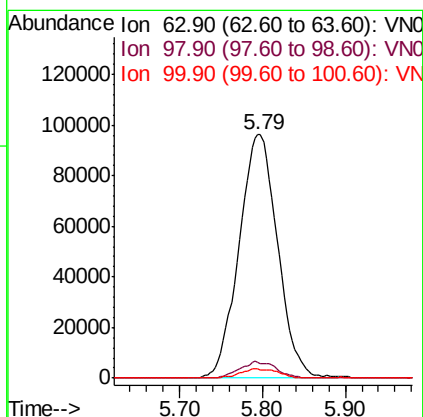
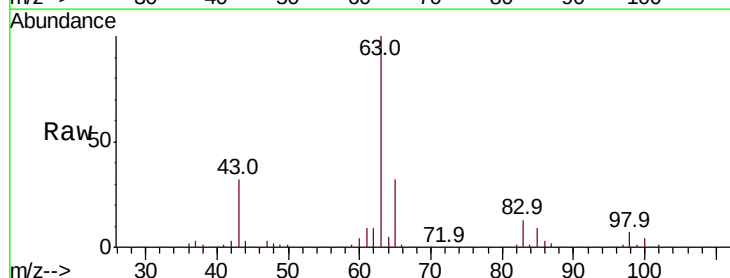
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

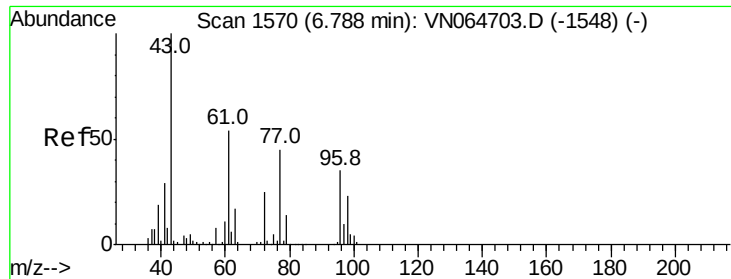
Tot Ion: 43 Resp: 2252985
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 50.397 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 63 Resp: 311107
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.2 9.6
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 269.074 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

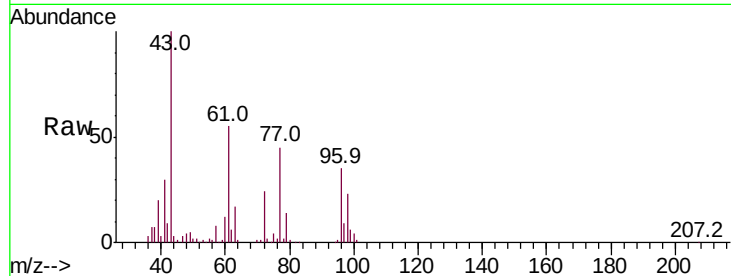
VSTDCCC050

Tot Ion: 43 Resp: 489108

Ion Ratio Lower Upper

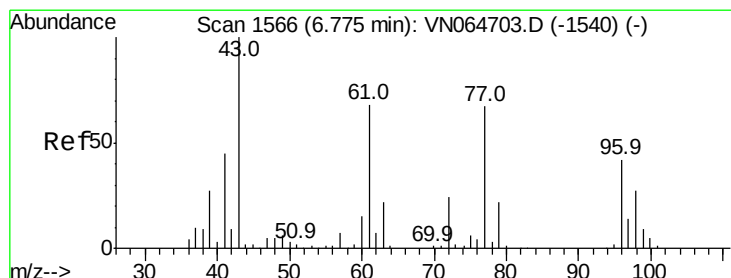
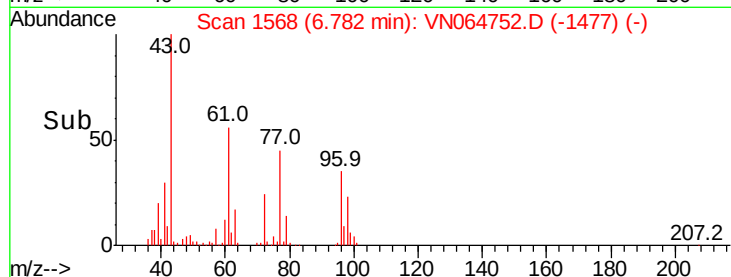
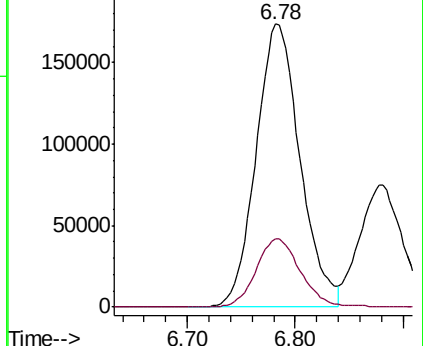
43 100

72 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 44.711 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064752.D

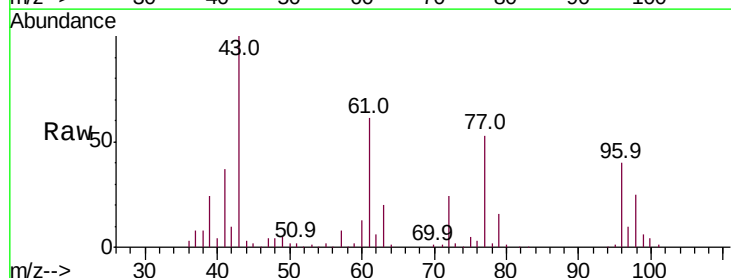
Acq: 20 Nov 2020 00:14

Tgt Ion: 77 Resp: 262271

Ion Ratio Lower Upper

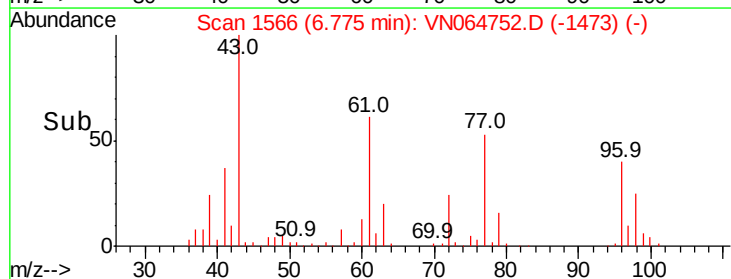
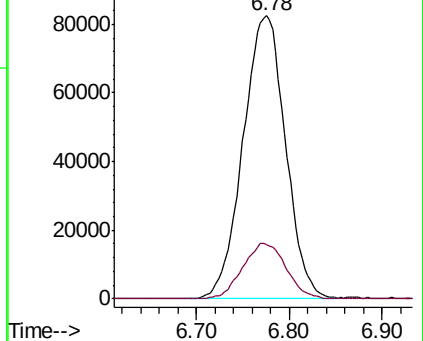
77 100

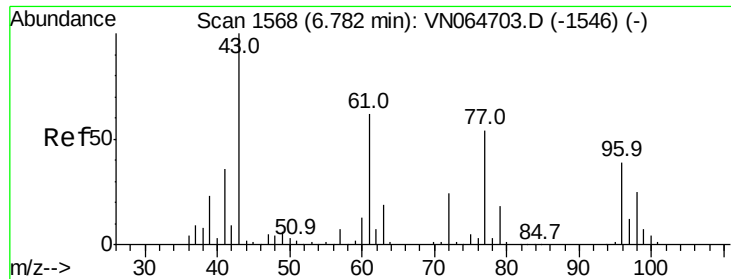
97 20.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.137 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

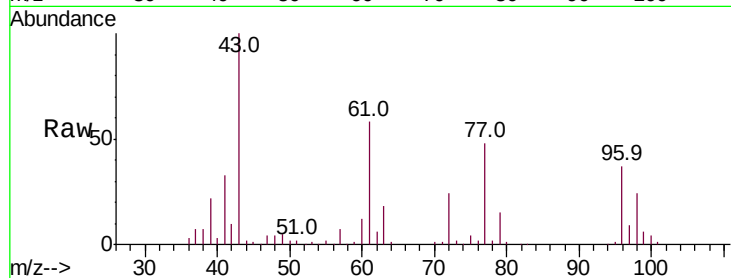
Tot Ion: 96 Resp: 179217

Ion Ratio Lower Upper

96 100

61 158.4 0.0 322.6

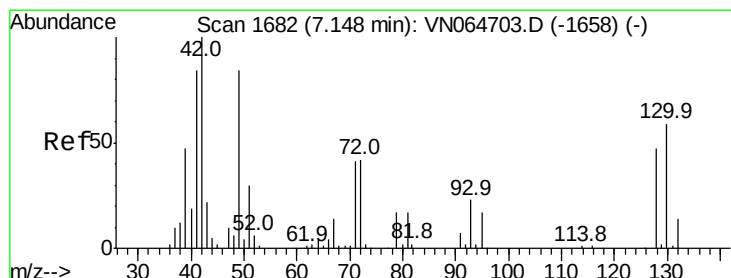
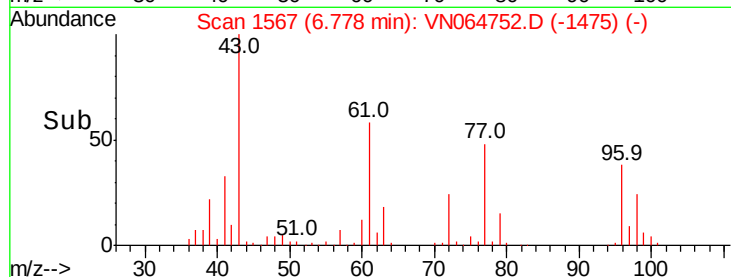
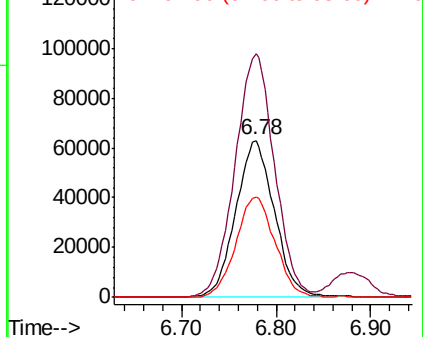
98 64.6 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.626 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

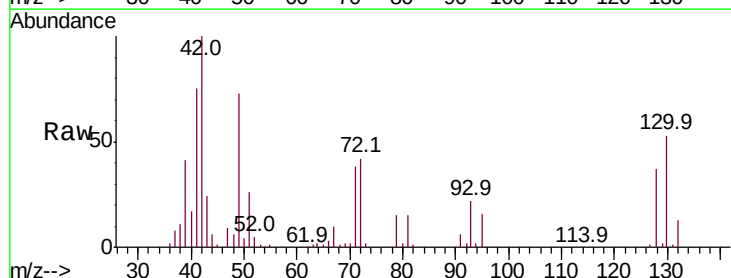
Tgt Ion: 49 Resp: 151348

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

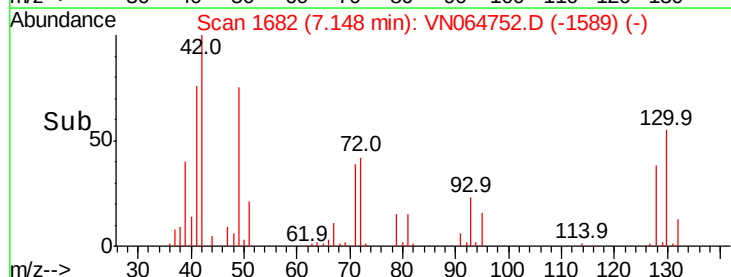
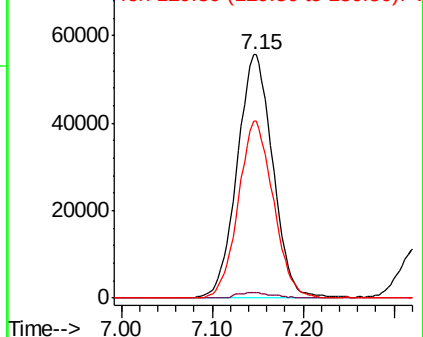
130 71.4 56.2 84.4

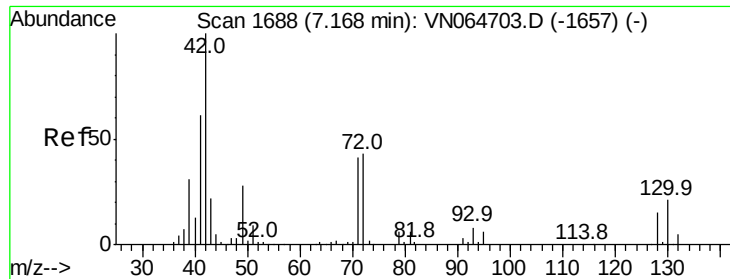


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.003 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

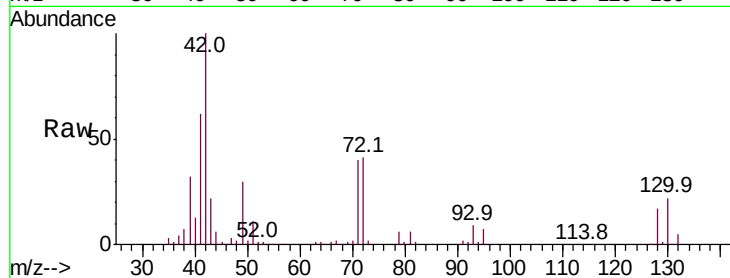
Tot Ion: 42 Resp: 319333

Ion Ratio Lower Upper

42 100

72 41.9 33.0 49.4

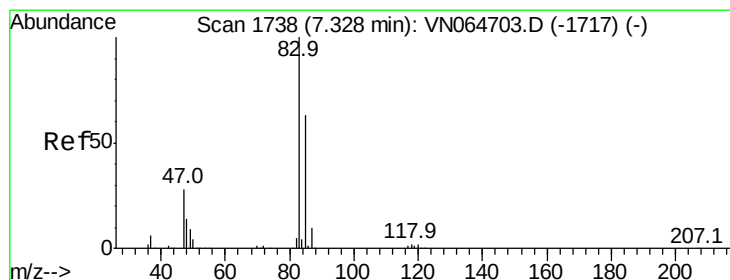
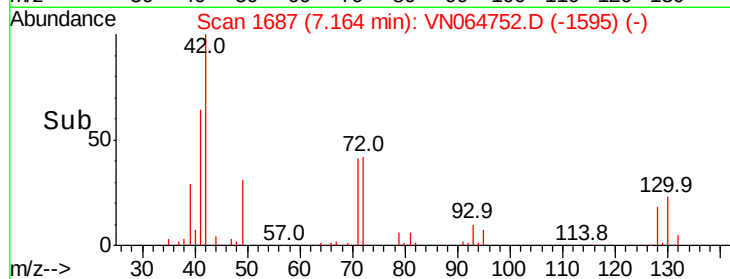
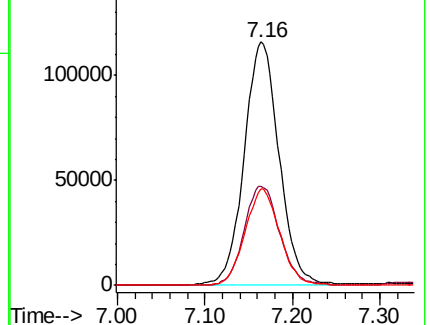
71 39.6 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VN064703.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN064703.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN064703.D (-1657) (-)



#30

Chloroform

Concen: 50.073 ug/l

RT: 7.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064752.D

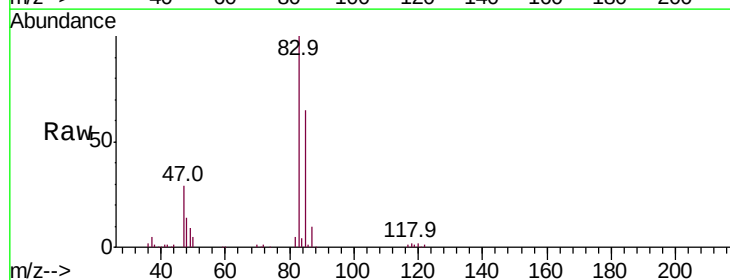
Acq: 20 Nov 2020 00:14

Tgt Ion: 83 Resp: 335913

Ion Ratio Lower Upper

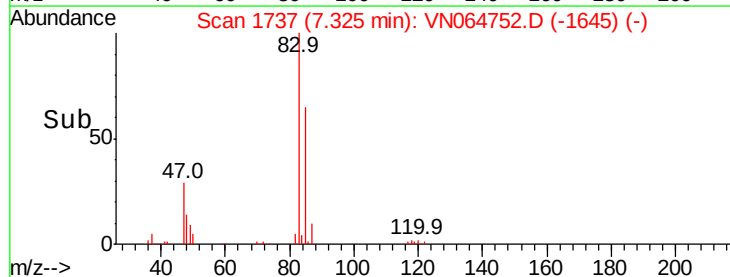
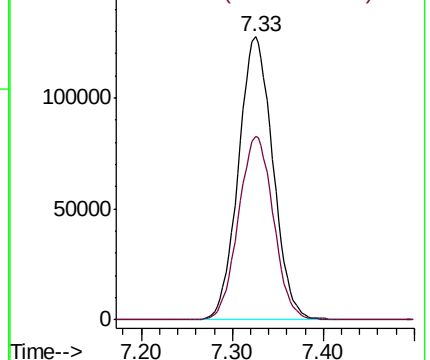
83 100

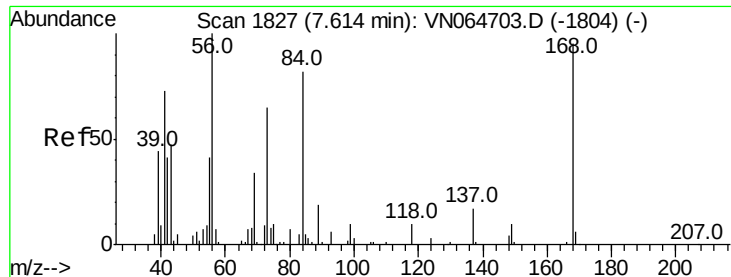
85 64.7 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN064703.D (-1717) (-)

Ion 84.90 (84.60 to 85.60): VN064703.D (-1717) (-)





#31

Cyclohexane

Concen: 46.960 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

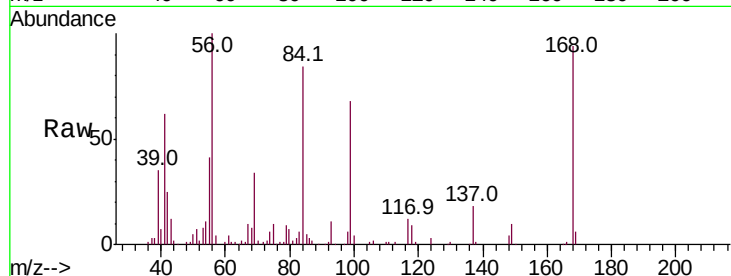
Tot Ion: 56 Resp: 241382

Ion Ratio Lower Upper

56 100

69 33.8 27.2 40.8

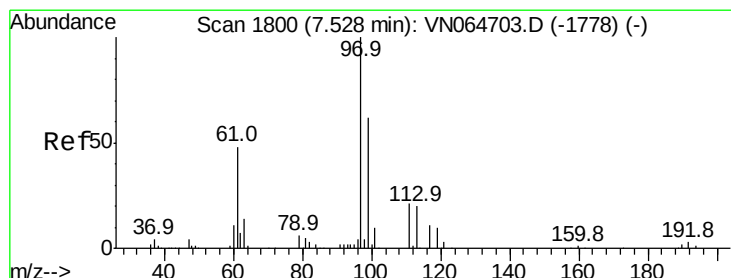
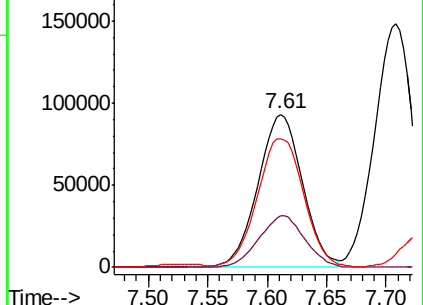
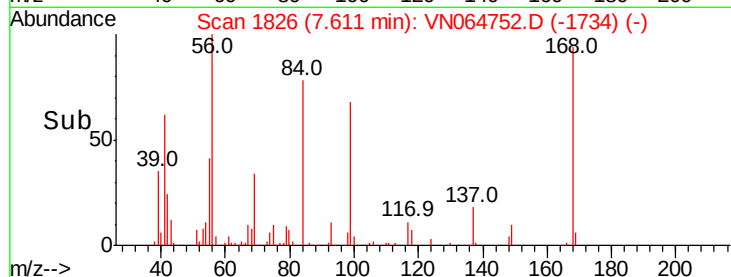
84 81.7 65.9 98.9



Abundance Ion 56.00 (55.70 to 56.70): VN064752.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064752.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064752.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 50.187 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

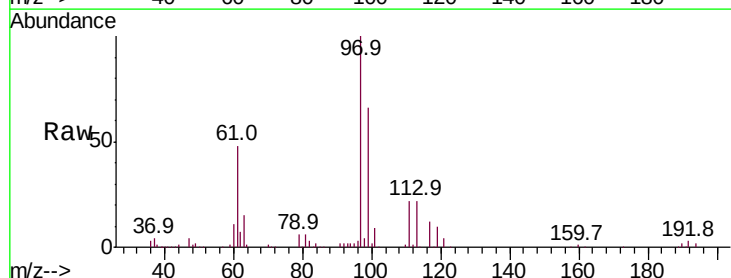
Tgt Ion: 97 Resp: 307732

Ion Ratio Lower Upper

97 100

99 64.5 50.6 76.0

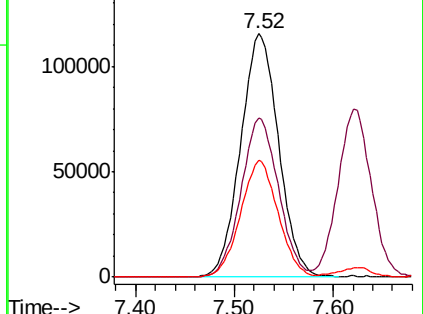
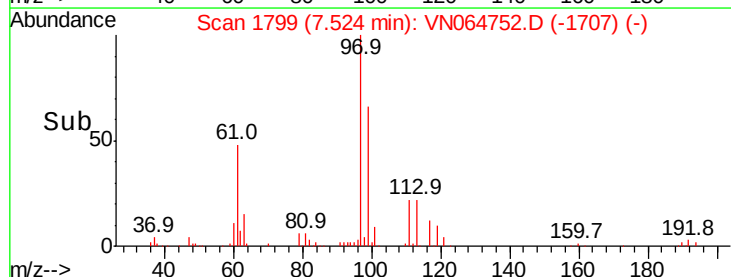
61 47.5 38.3 57.5

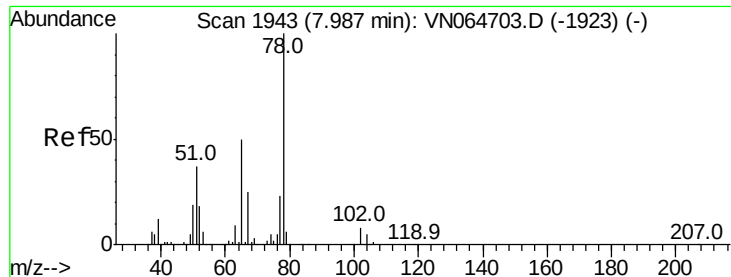


Abundance Ion 96.90 (96.60 to 97.60): VN064752.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064752.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064752.D (-1707) (-)

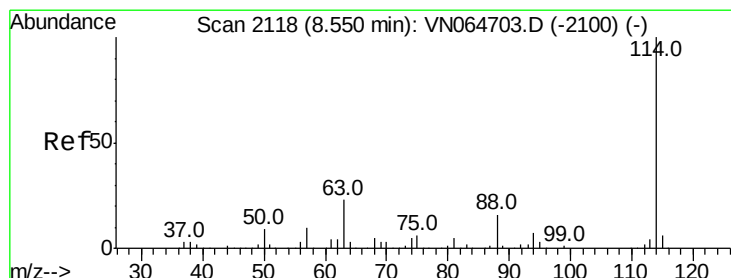
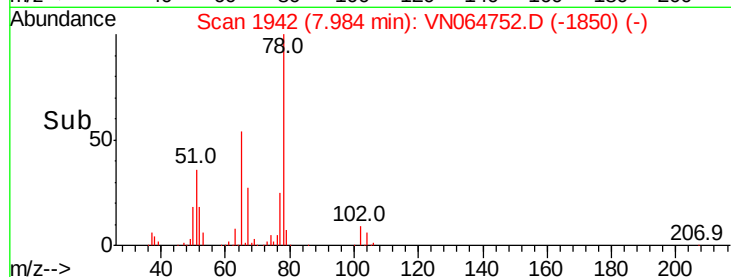
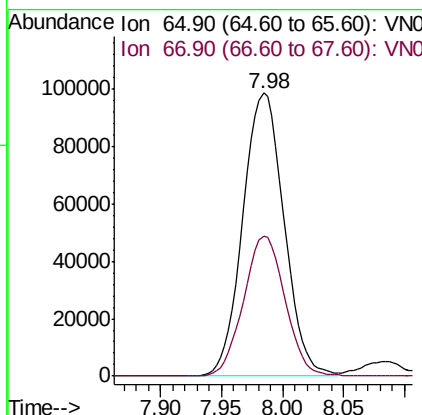
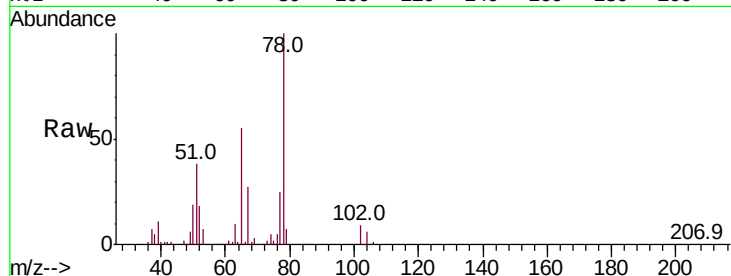




#33
 1,2-Dichloroethane-d4
 Concen: 48.520 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

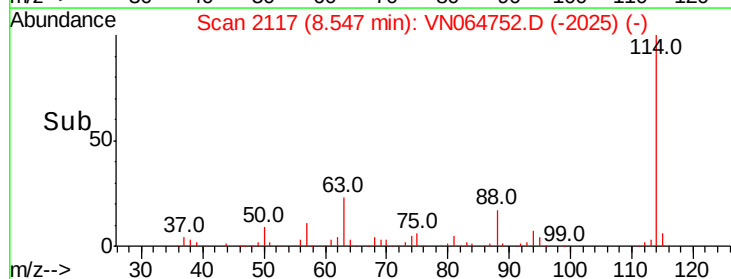
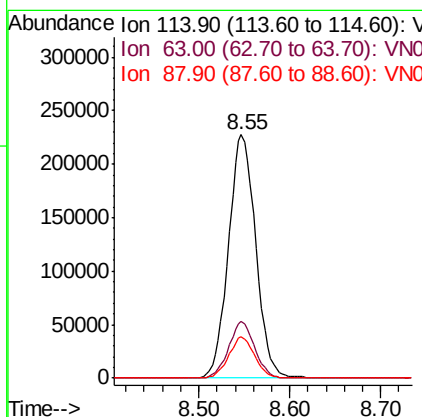
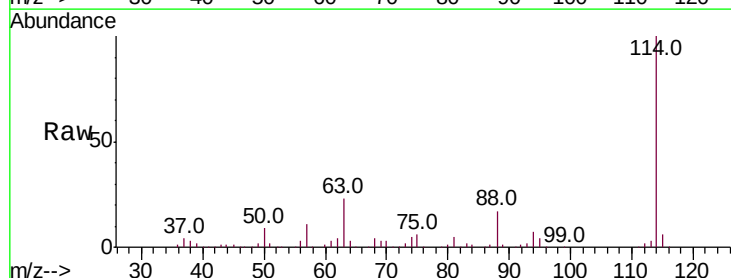
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

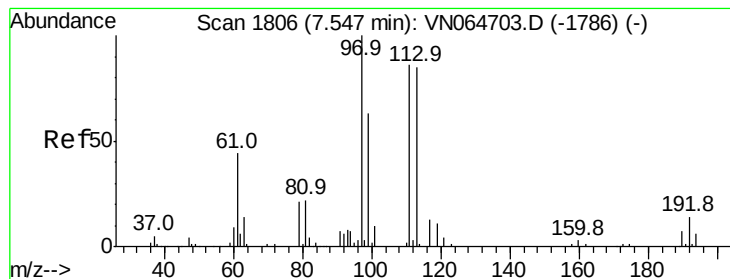
Tot Ion: 65 Resp: 230686
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 114 Resp: 472703
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.0
 88 16.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.001 ug/l

RT: 7.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

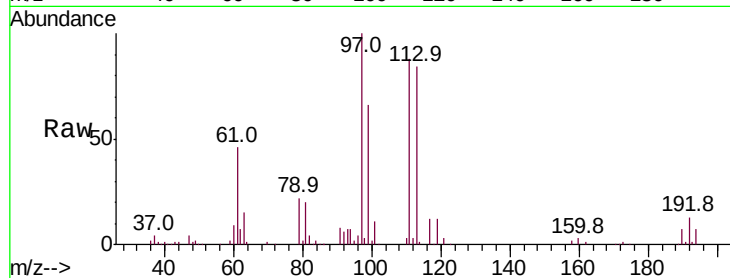
Tot Ion:113 Resp: 145289

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

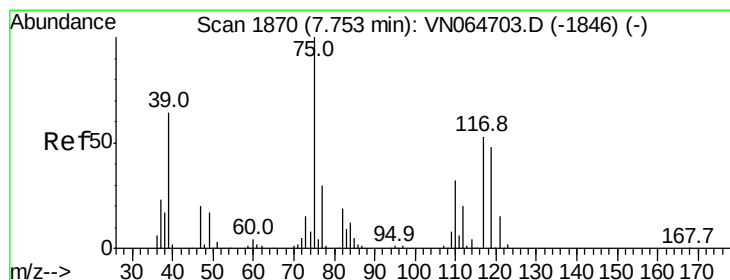
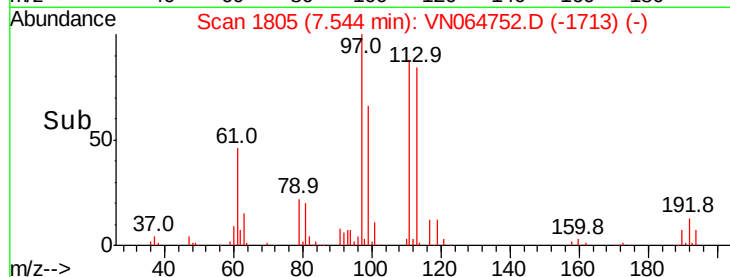
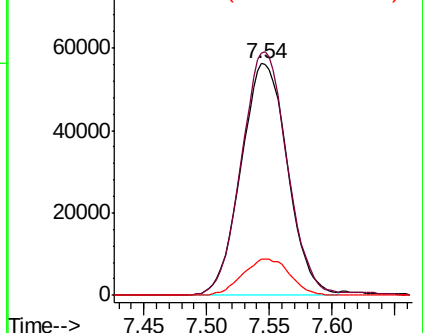
192 15.9 12.7 19.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.555 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

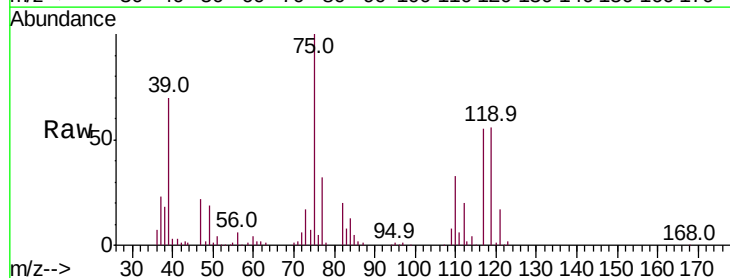
Tgt Ion: 75 Resp: 245857

Ion Ratio Lower Upper

75 100

110 32.6 16.2 48.6

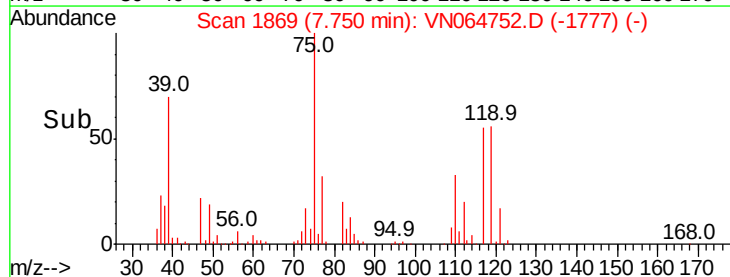
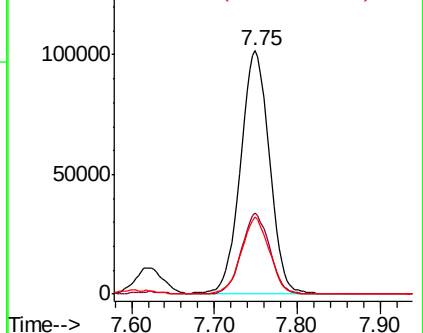
77 31.0 24.4 36.6

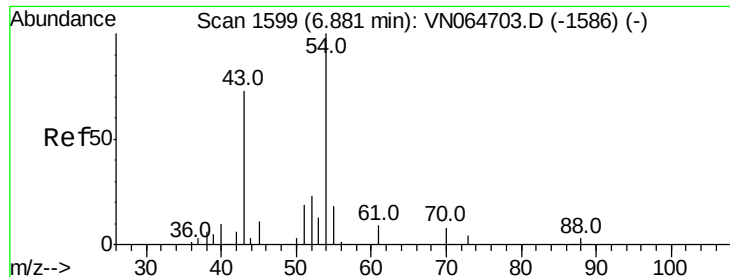


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

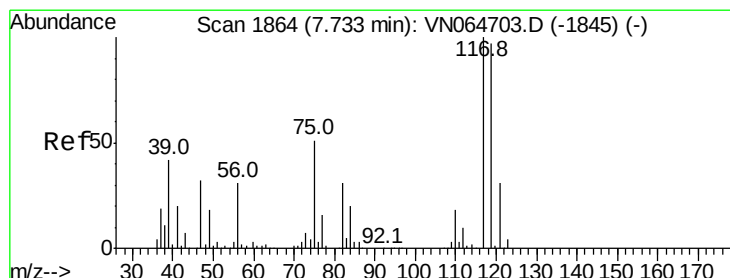
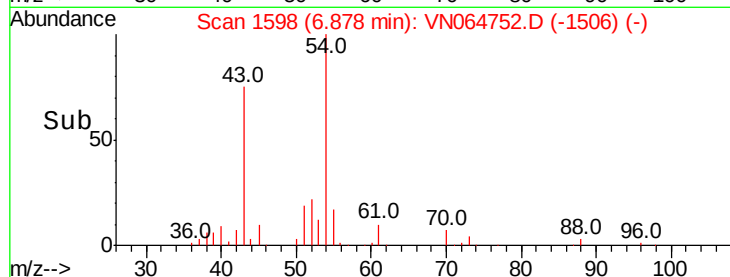
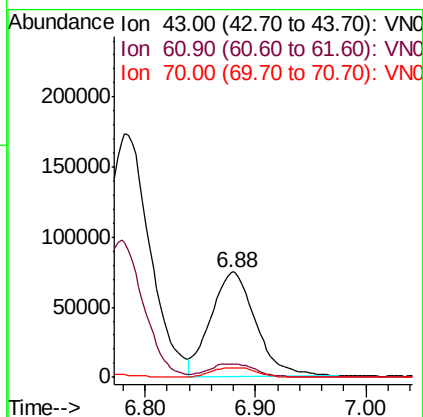
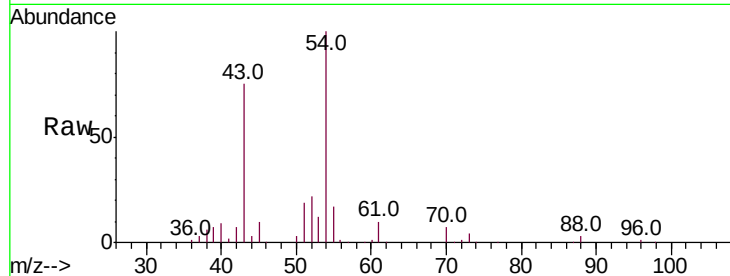




#37
Ethyl Acetate
Concen: 51.357 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

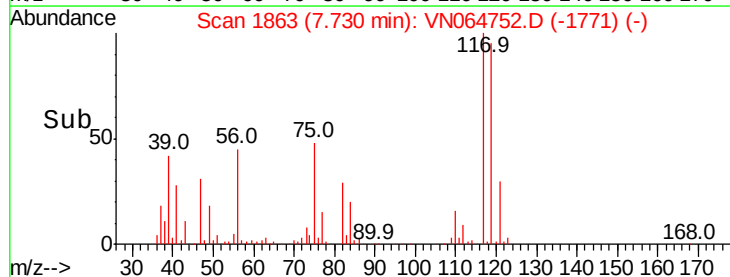
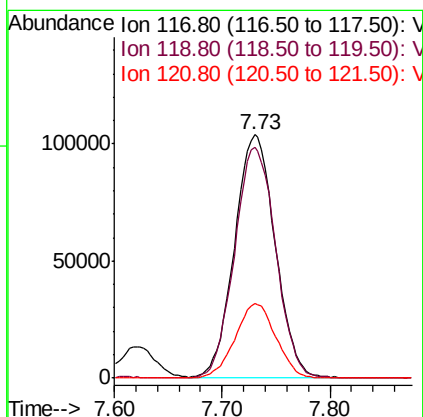
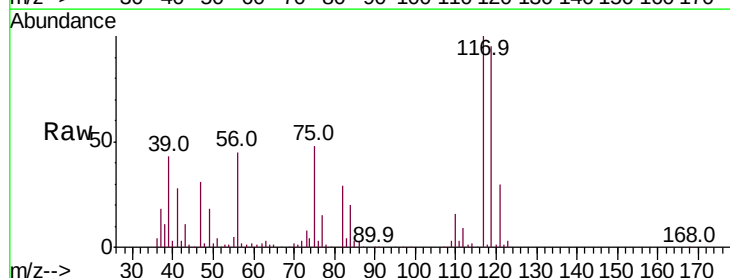
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

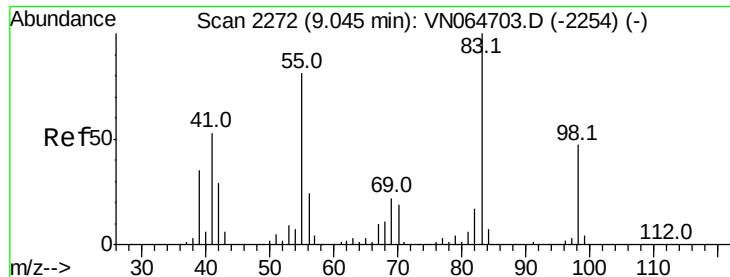
Tot Ion: 43 Resp: 209132
Ion Ratio Lower Upper
43 100
61 13.5 10.4 15.6
70 4.9 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 52.630 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion: 117 Resp: 272013
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.6
121 30.5 24.9 37.3





#39

Methylvlcyclohexane

Concen: 51.824 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

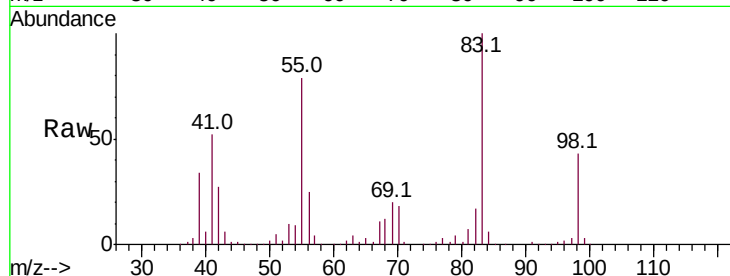
Tot Ion: 83 Resp: 223312

Ion Ratio Lower Upper

83 100

55 79.2 64.6 97.0

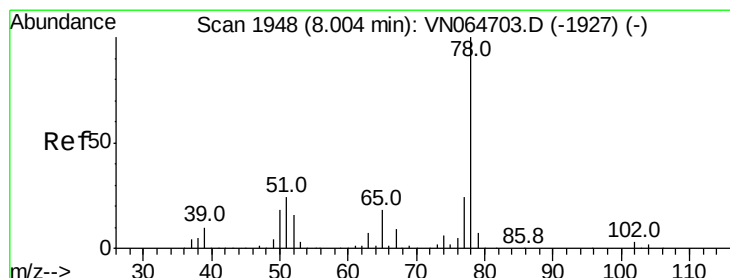
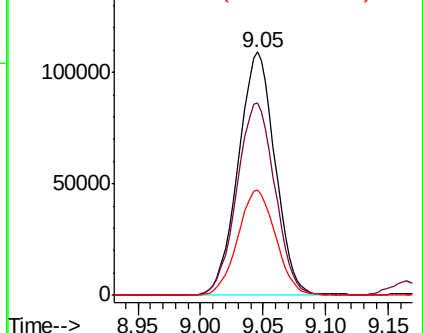
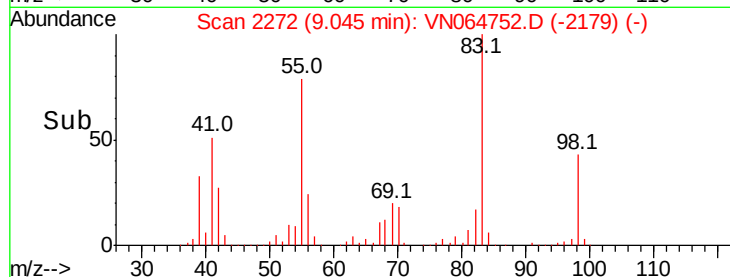
98 43.1 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VN064703.D (-2254) (-)

Ion 55.00 (54.70 to 55.70): VN064703.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN064703.D (-2254) (-)



#40

Benzene

Concen: 51.126 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064752.D

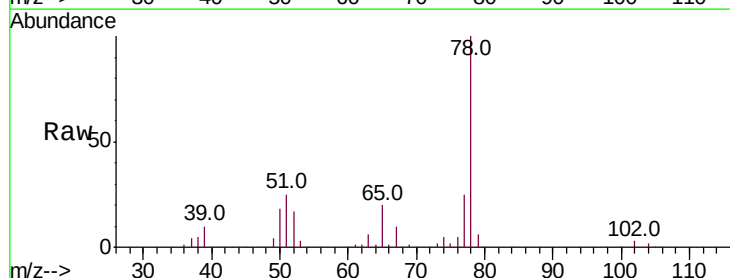
Acq: 20 Nov 2020 00:14

Tgt Ion: 78 Resp: 692784

Ion Ratio Lower Upper

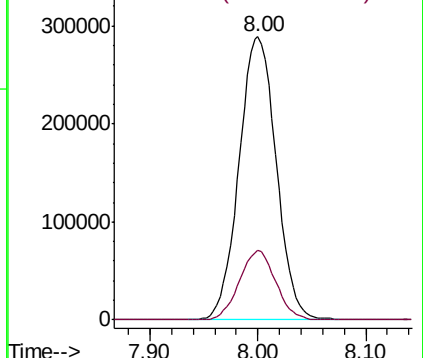
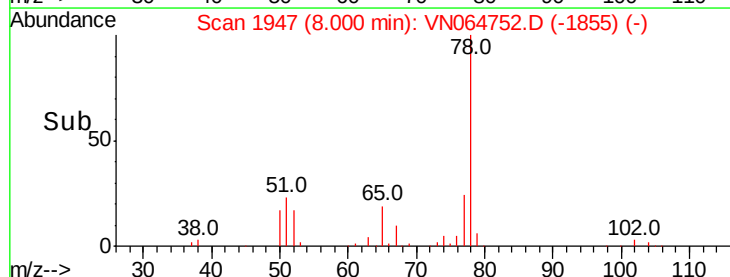
78 100

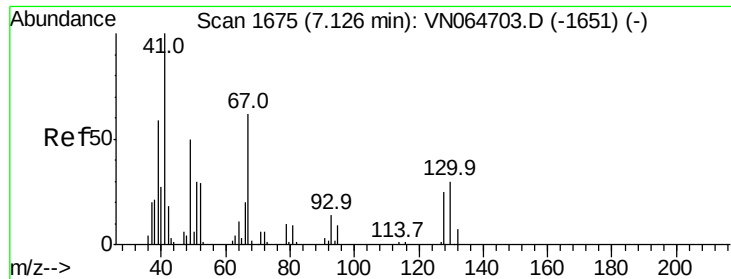
77 24.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN064703.D (-1927) (-)

Ion 77.00 (76.70 to 77.70): VN064703.D (-1927) (-)

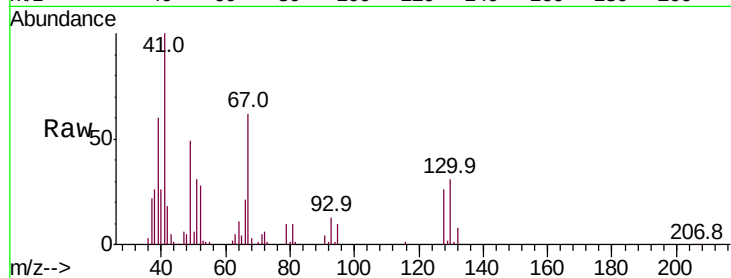




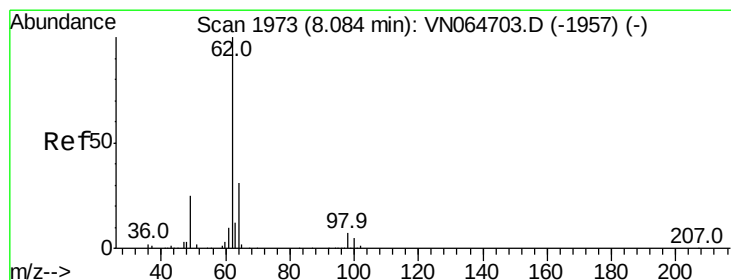
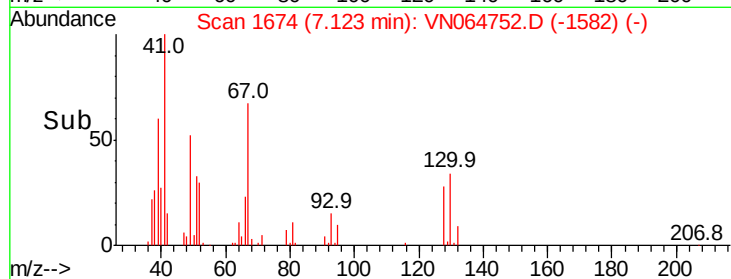
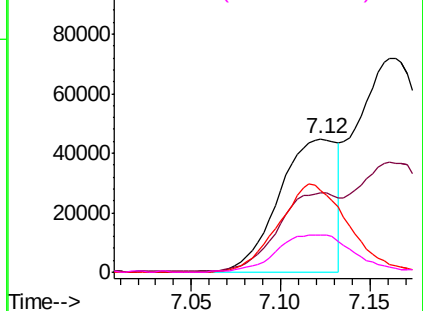
#41
Methacrylonitrile
Concen: 54.505 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	101731
Ion	Ratio	Lower	Upper
41	100		
39	58.7	46.0	69.0
67	79.5	67.0	100.4
52	37.7	31.7	47.5

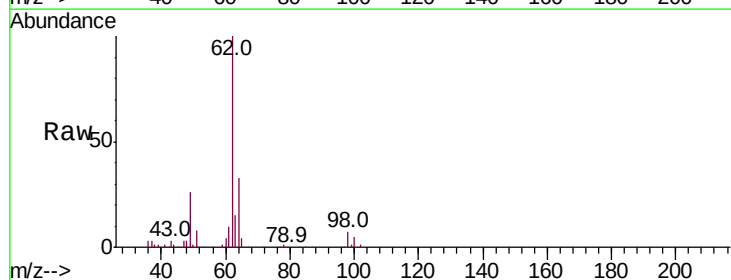


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

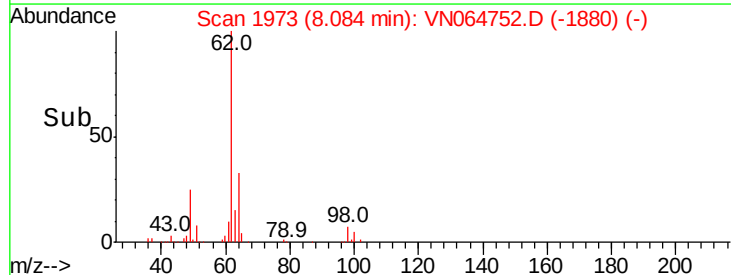
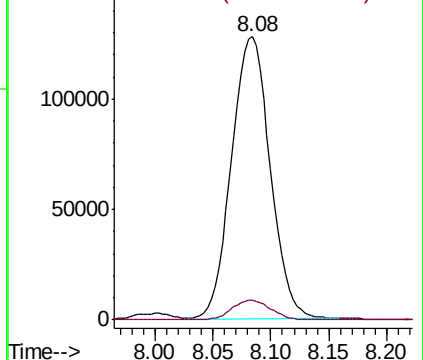


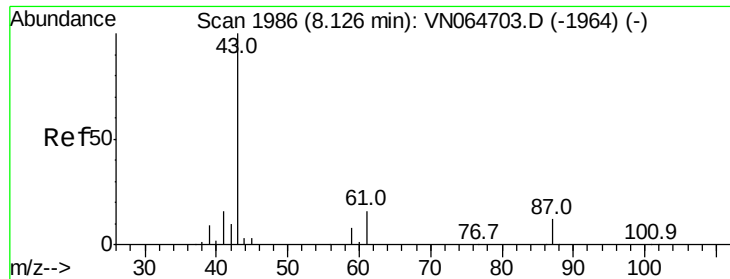
#42
1,2-Dichloroethane
Concen: 50.886 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion:	62	Resp:	296670
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	13.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 48.014 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

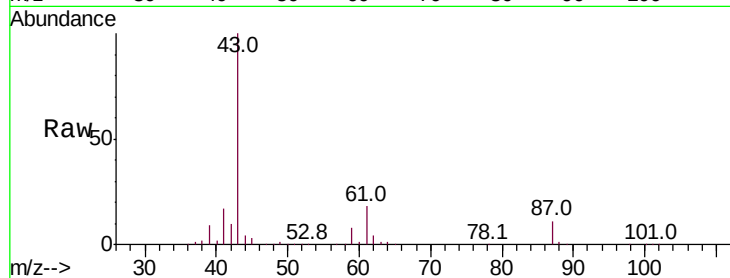
Tot Ion: 43 Resp: 378972

Ion Ratio Lower Upper

43 100

61 16.8 14.1 21.1

87 11.5 9.1 13.7

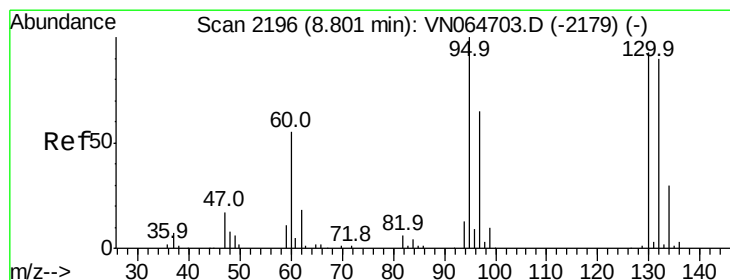
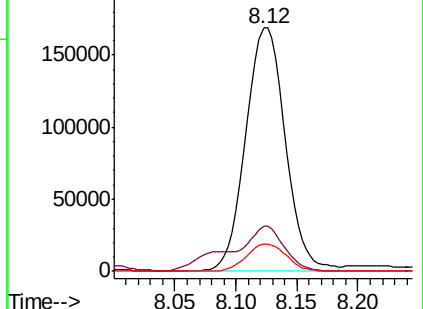
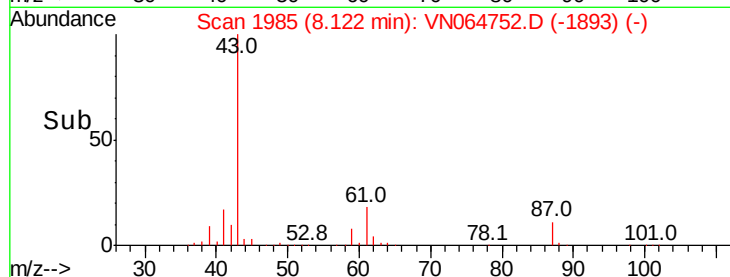


Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN064703.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN064703.D (-1964) (-)

8.12



#44

Trichloroethene

Concen: 49.128 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064752.D

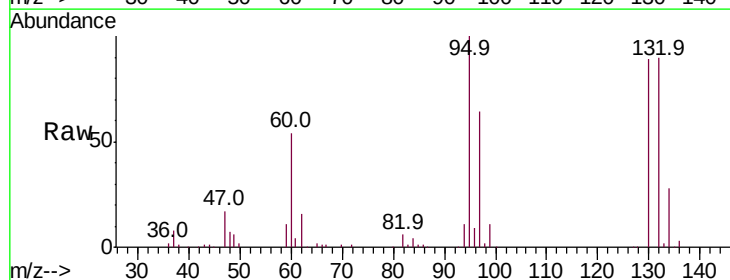
Acq: 20 Nov 2020 00:14

Tgt Ion:130 Resp: 191050

Ion Ratio Lower Upper

130 100

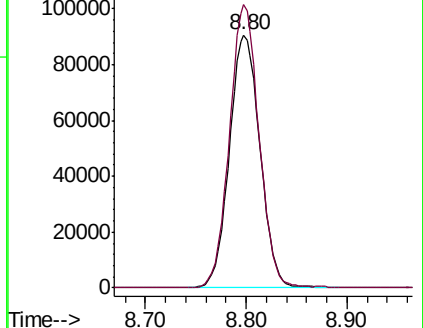
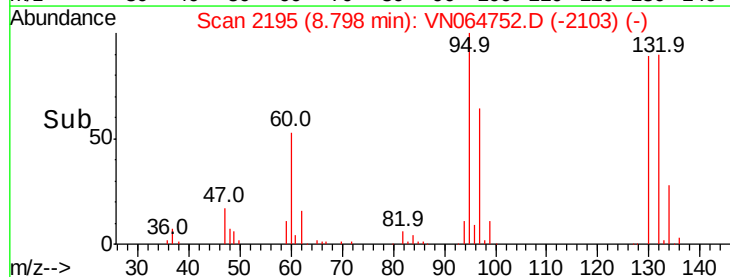
95 111.9 0.0 214.2

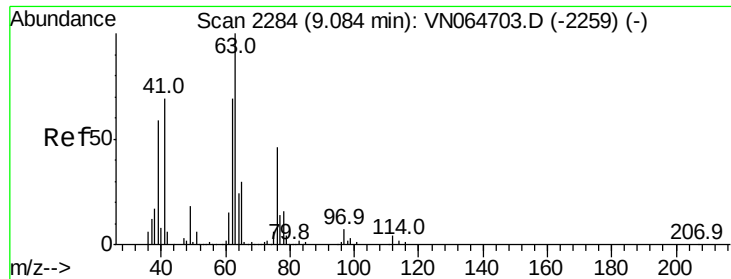


Abundance Ion 129.80 (129.50 to 130.50): VN064703.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064703.D (-2179) (-)

8.80





#45

1,2-Dichloropropane

Concen: 51.261 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

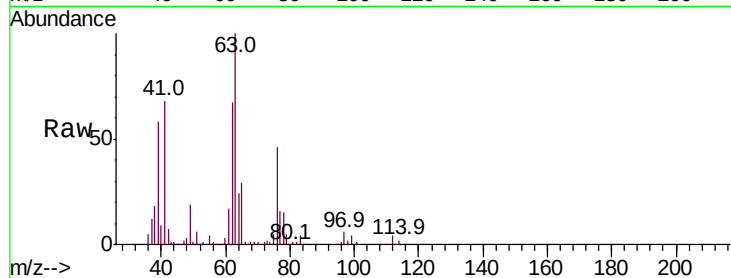
VSTDCCC050

Tot Ion: 63 Resp: 185150

Ion Ratio Lower Upper

63 100

65 28.9 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

100000

80000

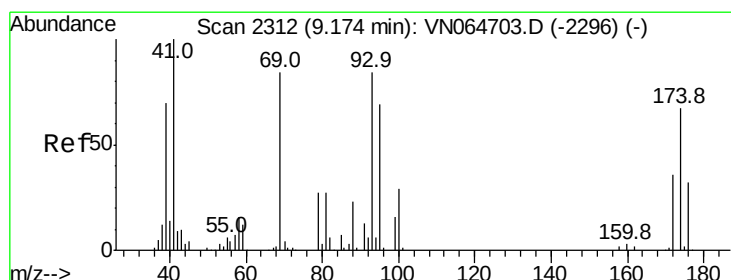
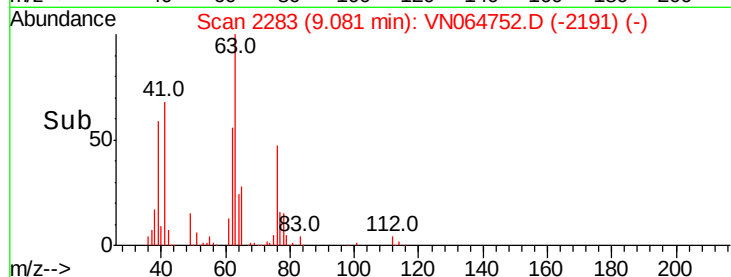
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.296 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

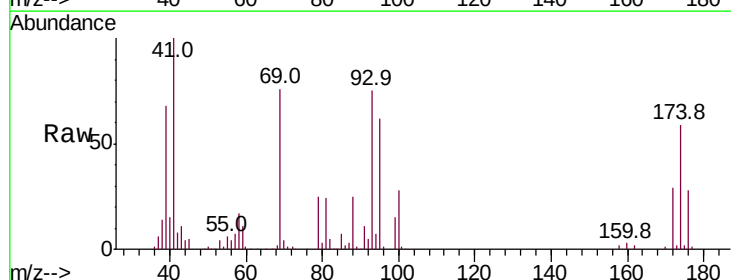
Tgt Ion: 93 Resp: 131334

Ion Ratio Lower Upper

93 100

95 83.2 64.6 97.0

174 80.4 64.3 96.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

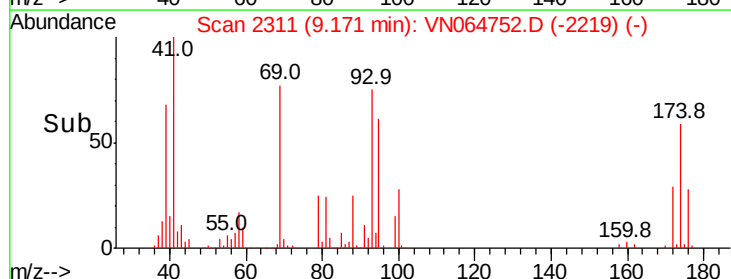
60000

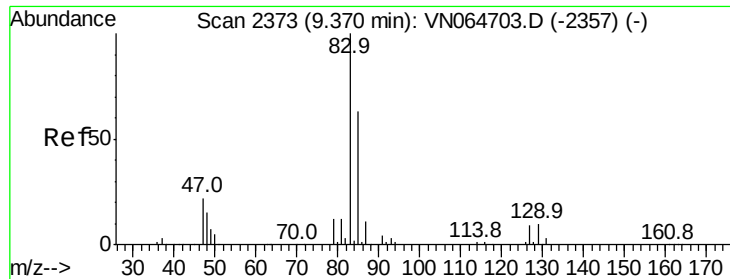
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 54.055 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

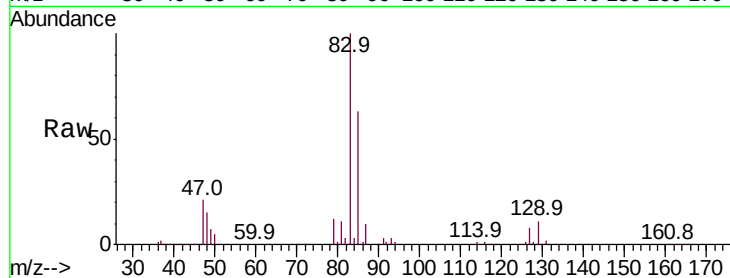
Tot Ion: 83 Resp: 290949

Ion Ratio Lower Upper

83 100

85 63.4 50.8 76.2

127 8.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN064703.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN064703.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN064703.D (-2357) (-)

9.37

150000

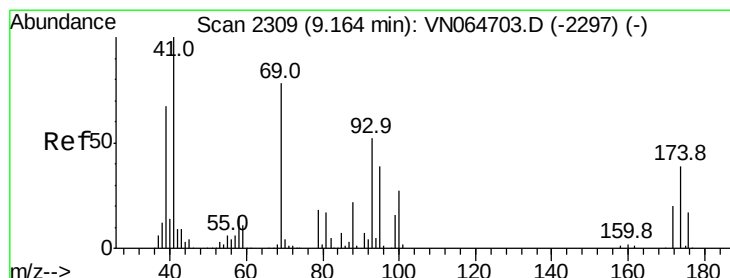
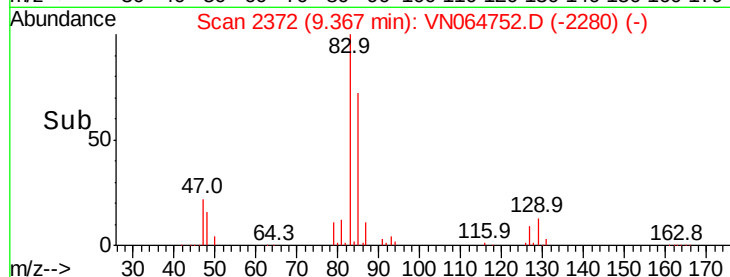
100000

50000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 49.430 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

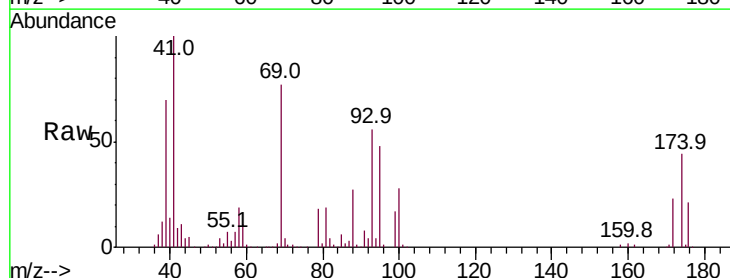
Tgt Ion: 41 Resp: 184087

Ion Ratio Lower Upper

41 100

69 78.4 62.3 93.5

39 71.4 55.1 82.7



Abundance Ion 41.00 (40.70 to 41.70): VN064703.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064703.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064703.D (-2297) (-)

9.16

120000

100000

80000

60000

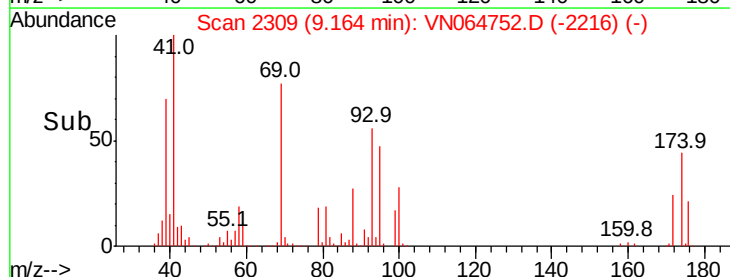
40000

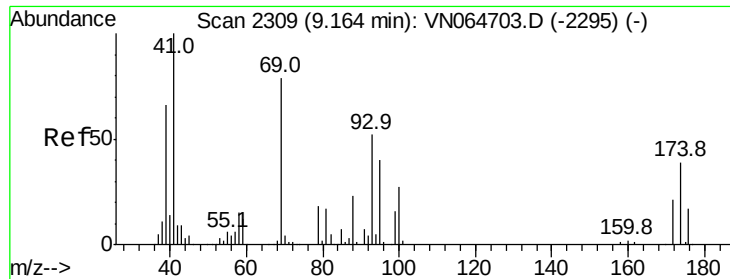
20000

0

9.10 9.15 9.20

Time-->





#49

1,4-Dioxane

Concen: 1090.679 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

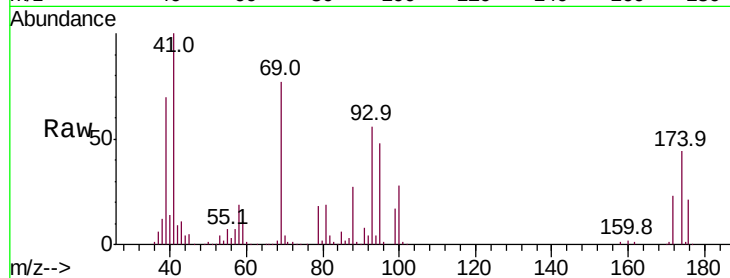
Tot Ion: 88 Resp: 50677

Ion Ratio Lower Upper

88 100

43 40.0 31.3 46.9

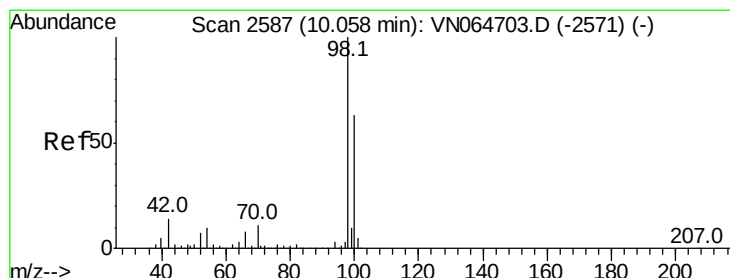
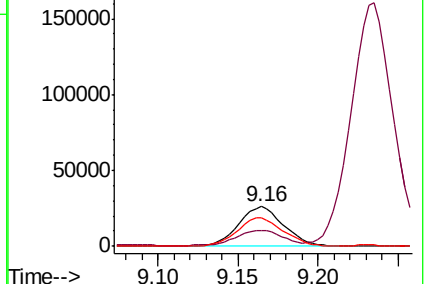
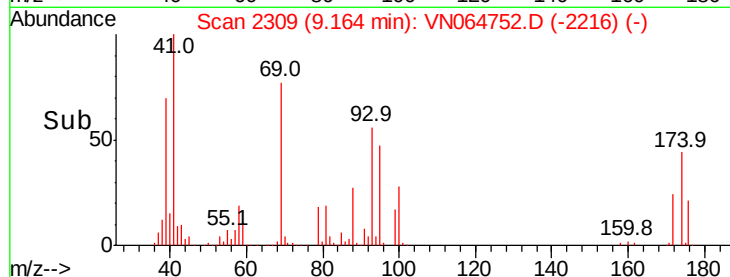
58 72.9 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VN064752.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN064752.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN064752.D (-2216) (-)



#50

Toluene-d8

Concen: 49.206 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064752.D

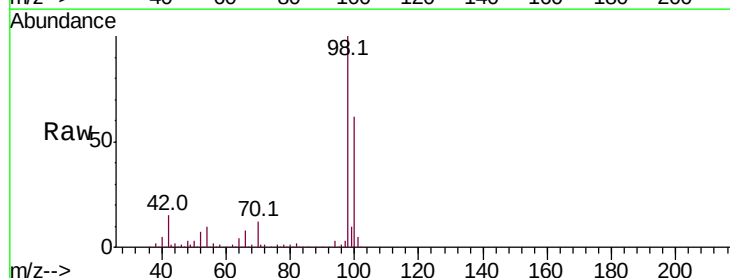
Acq: 20 Nov 2020 00:14

Tgt Ion: 98 Resp: 601691

Ion Ratio Lower Upper

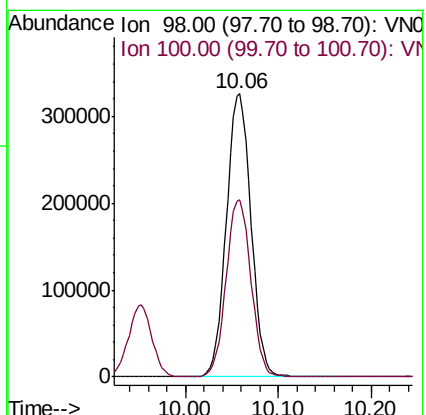
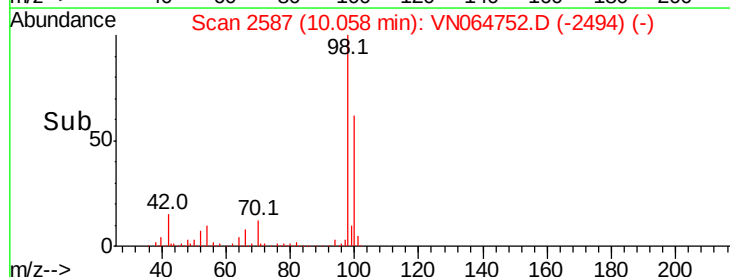
98 100

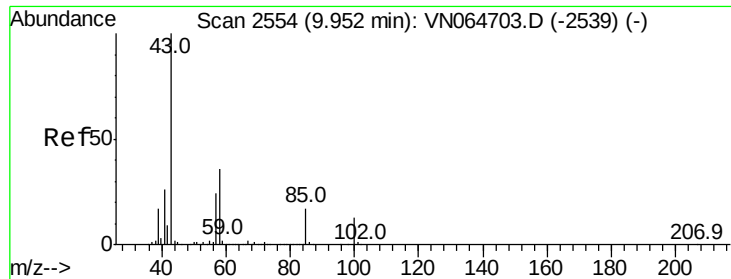
100 62.7 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064752.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064752.D (-2494) (-)

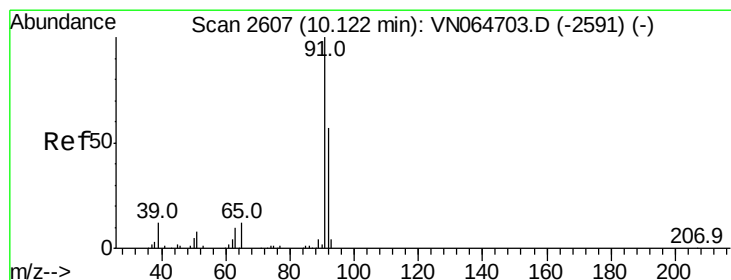
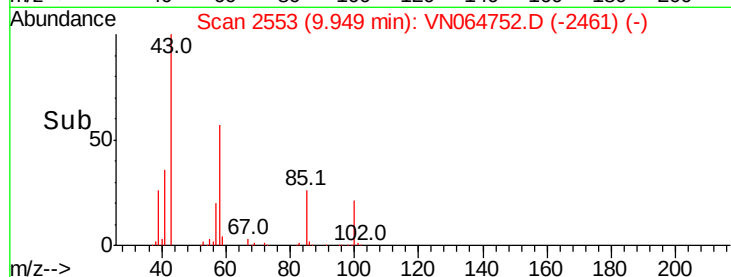
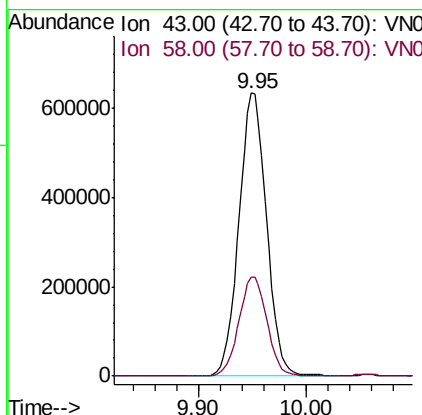
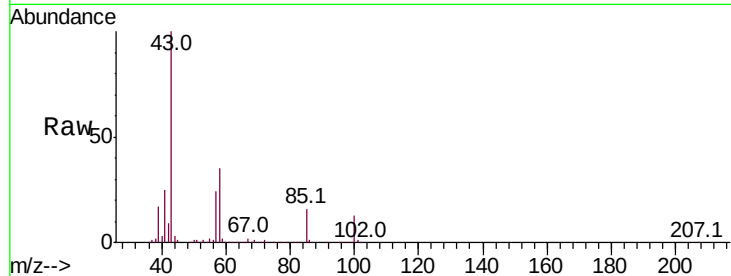




#51
 4-Methyl-2-Pentanone
 Concen: 236.734 ug/l
 RT: 9.95 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

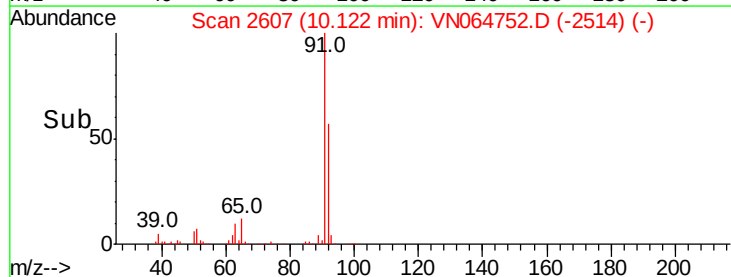
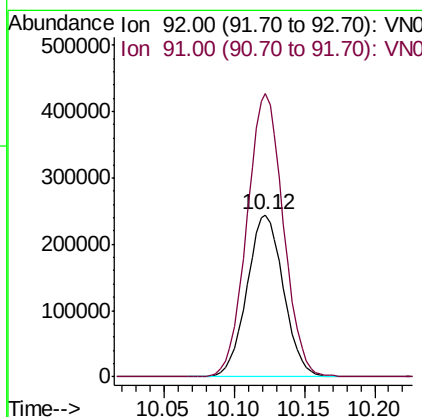
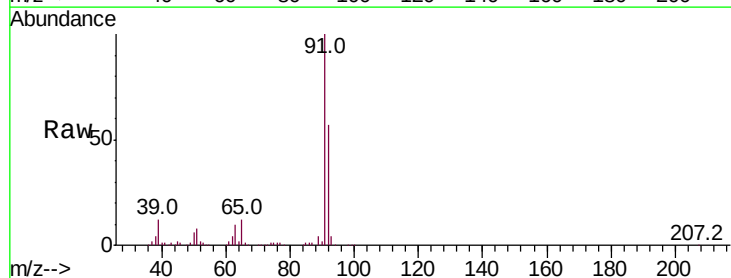
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

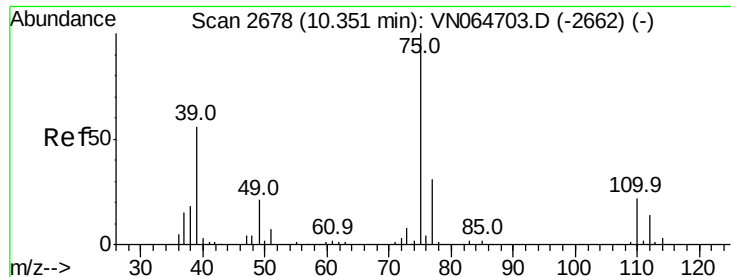
Tot Ion: 43 Resp: 1126366
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.5 42.7



#52
 Toluene
 Concen: 52.831 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 92 Resp: 440908
 Ion Ratio Lower Upper
 92 100
 91 175.5 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 49.797 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

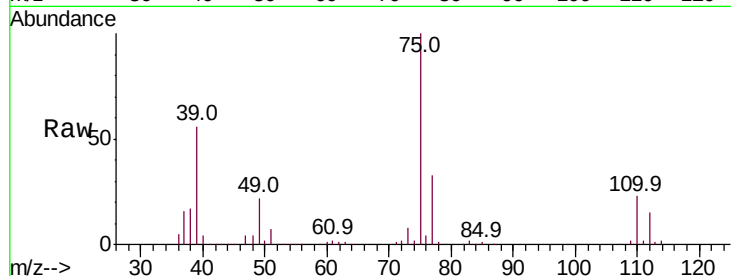
VSTDCCC050

Tot Ion: 75 Resp: 286855

Ion Ratio Lower Upper

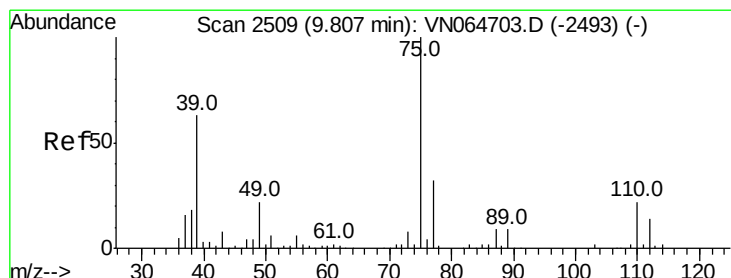
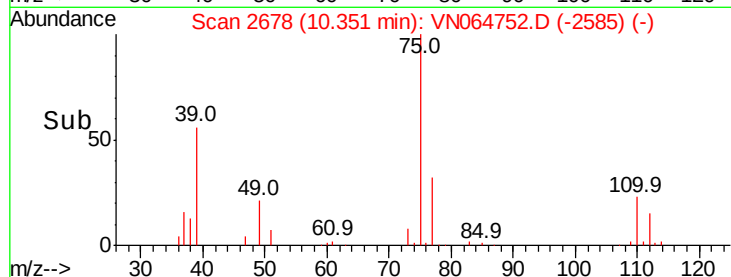
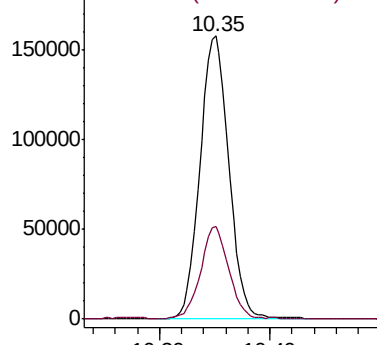
75 100

77 32.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.157 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

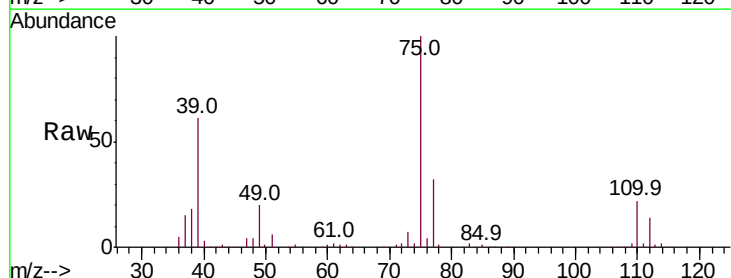
Tgt Ion: 75 Resp: 321236

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

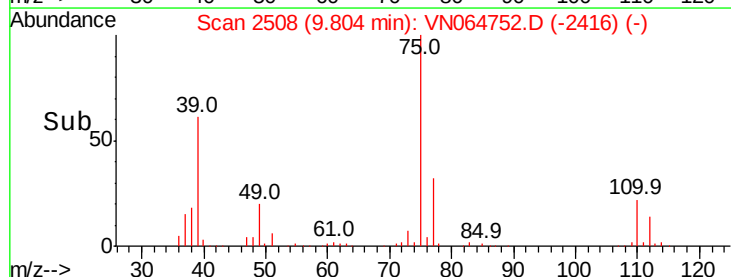
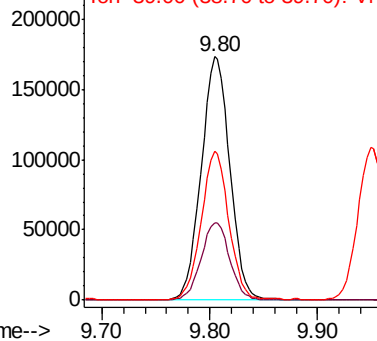
39 61.1 50.5 75.7

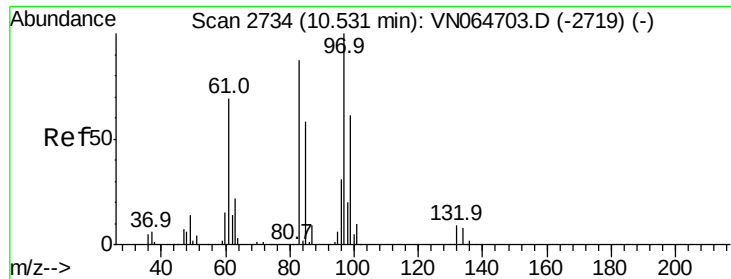


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.972 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

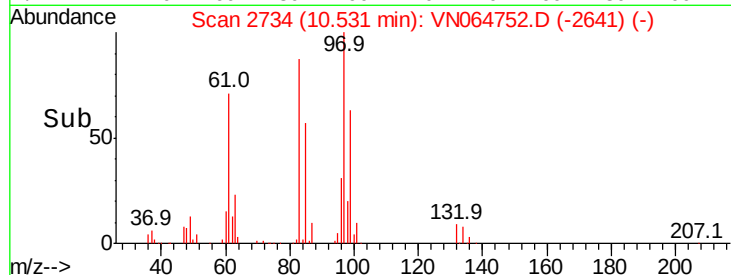
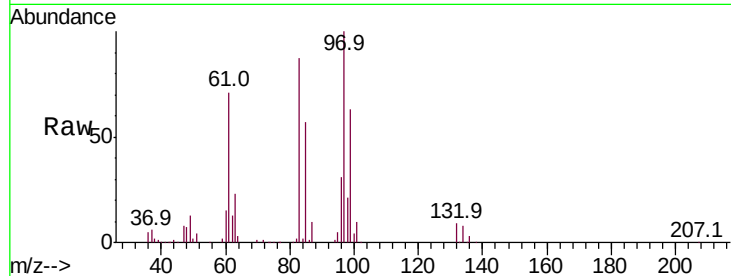
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 173967

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.6	104.4
85	57.4	46.6	70.0
99	63.5	48.9	73.3

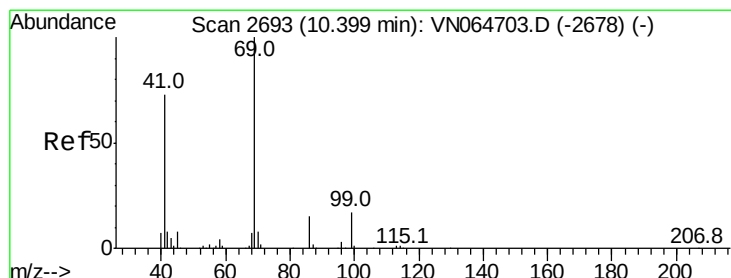


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 44.388 ug/l

RT: 10.40 min Scan# 2693

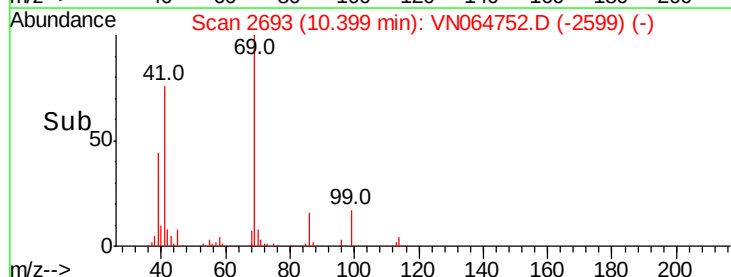
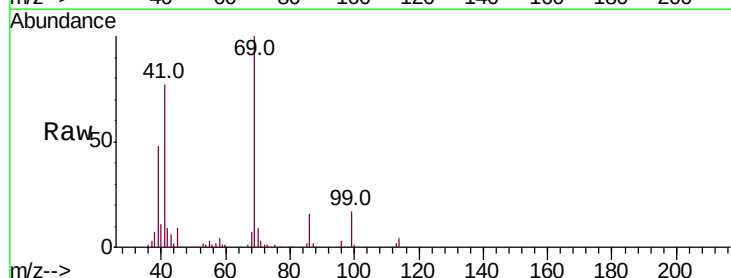
Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Tgt Ion: 69 Resp: 242151

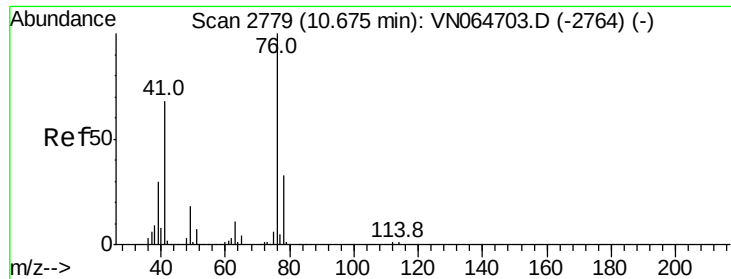
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.0	88.4
39	50.0	38.4	57.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 51.971 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

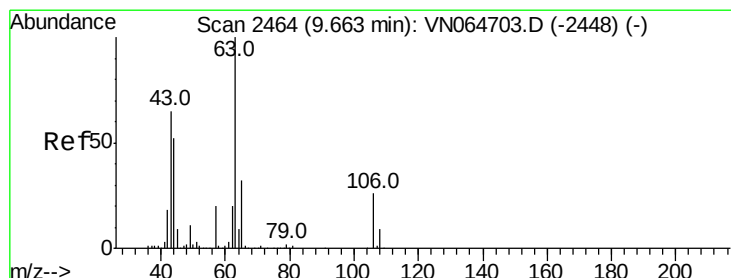
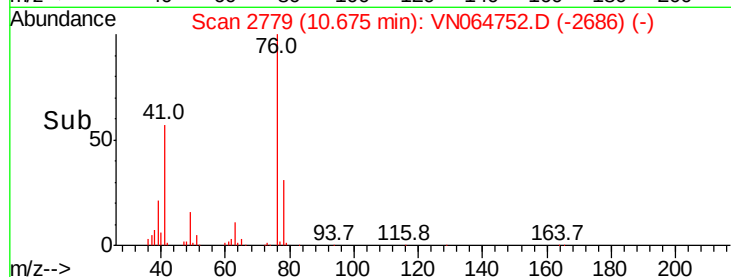
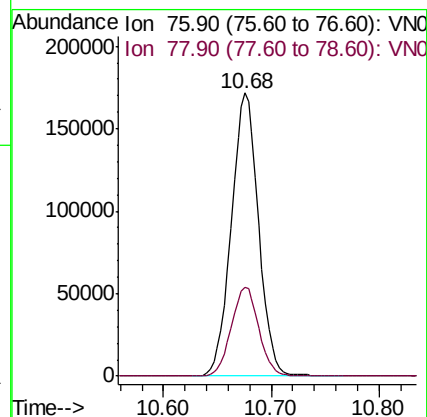
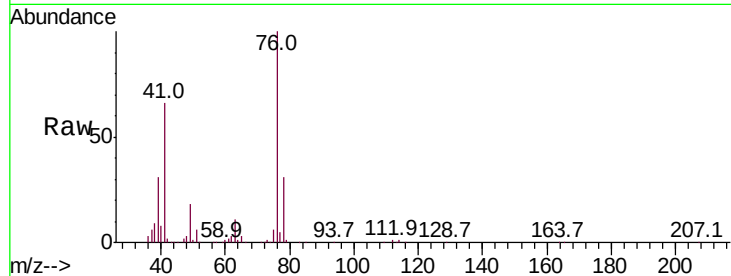
VSTDCCC050

Tot Ion: 76 Resp: 301351

Ion Ratio Lower Upper

76 100

78 31.8 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 256.577 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064752.D

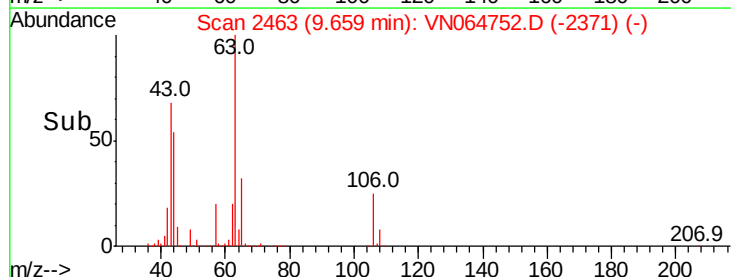
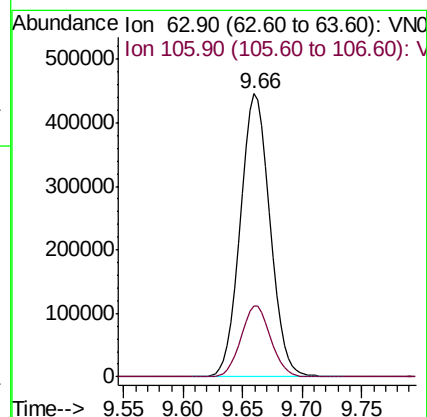
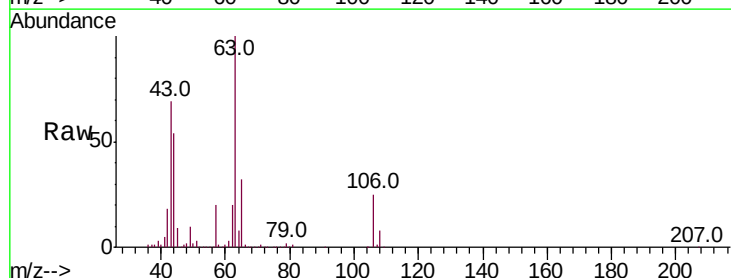
Acq: 20 Nov 2020 00:14

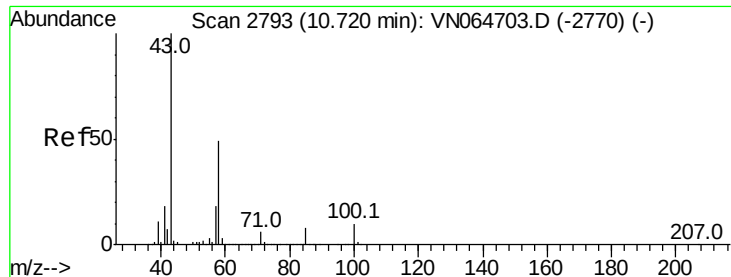
Tgt Ion: 63 Resp: 771965

Ion Ratio Lower Upper

63 100

106 25.3 20.9 31.3

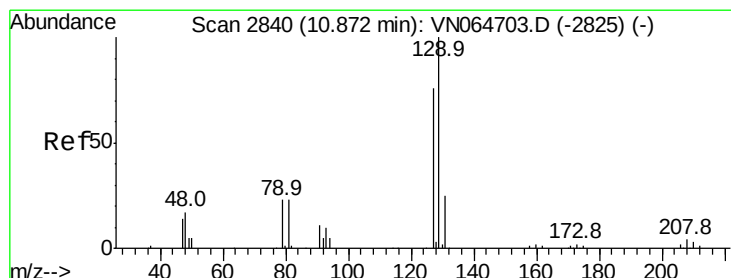
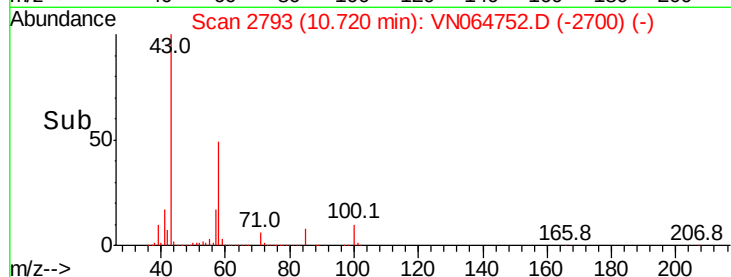
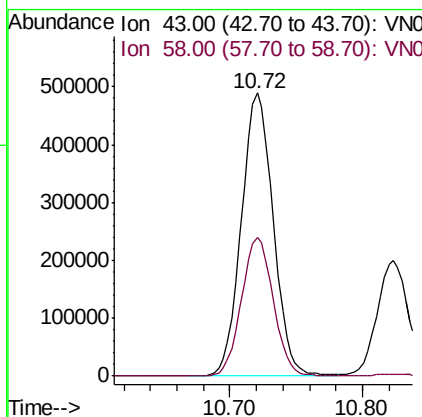
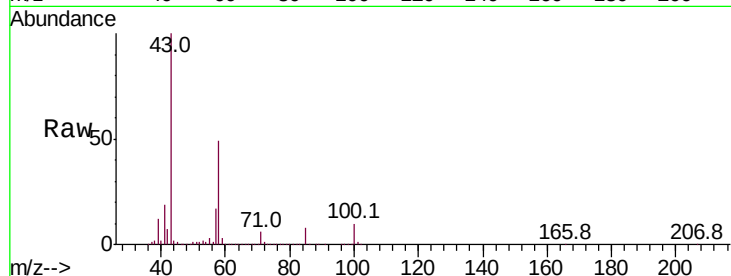




#59
2-Hexanone
Concen: 233.864 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

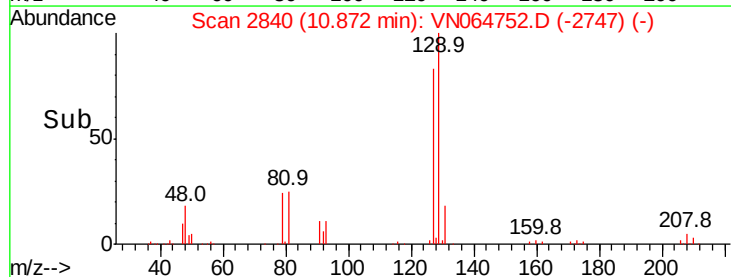
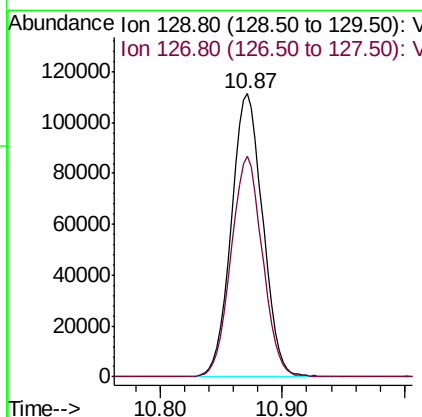
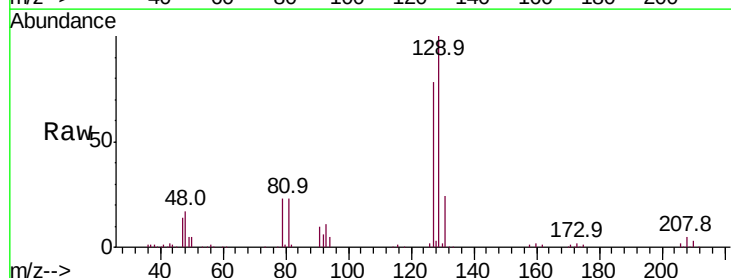
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

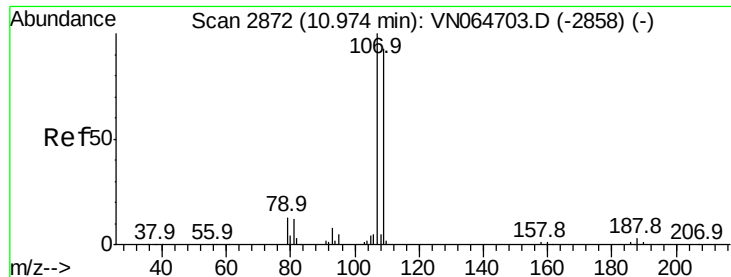
Tot Ion: 43 Resp: 816591
Ion Ratio Lower Upper
43 100
58 49.0 24.4 73.4



#60
Dibromochloromethane
Concen: 51.694 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion: 129 Resp: 199918
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.4

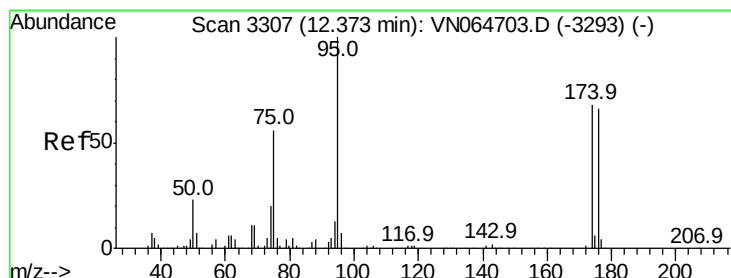
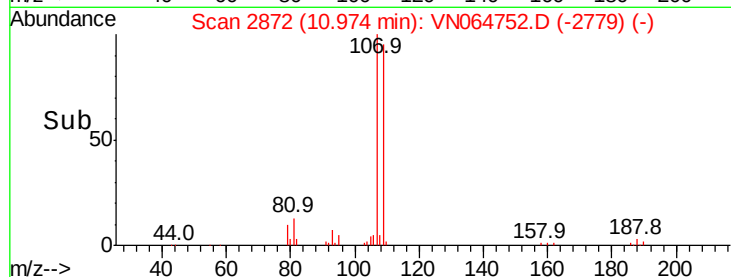
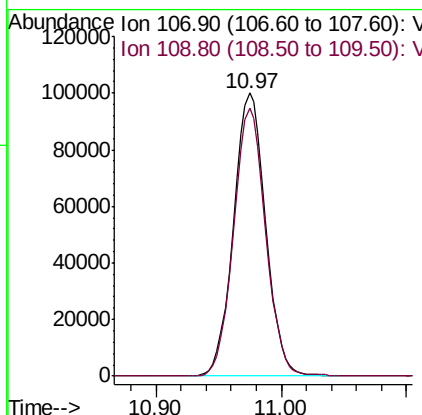
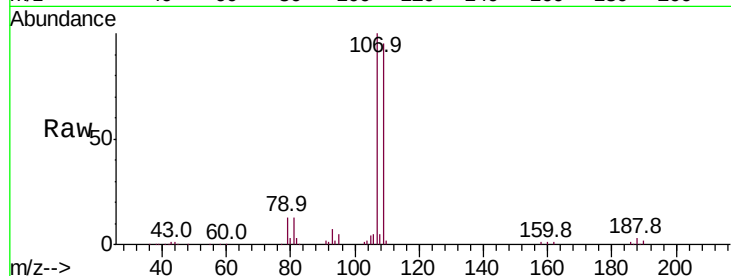




#61
 1,2-Dibromoethane
 Concen: 49.747 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

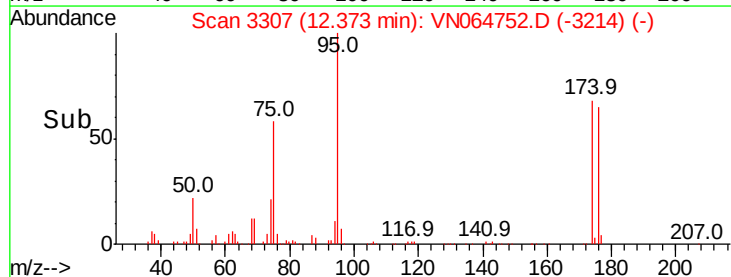
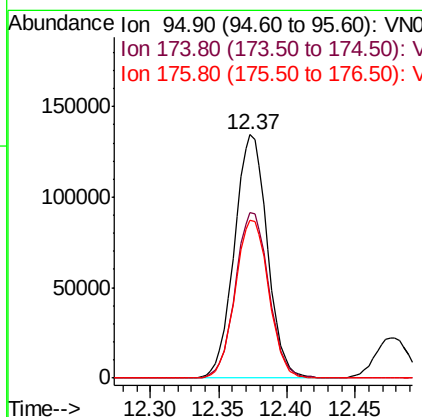
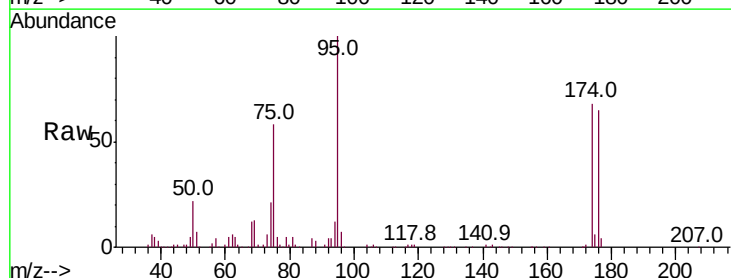
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

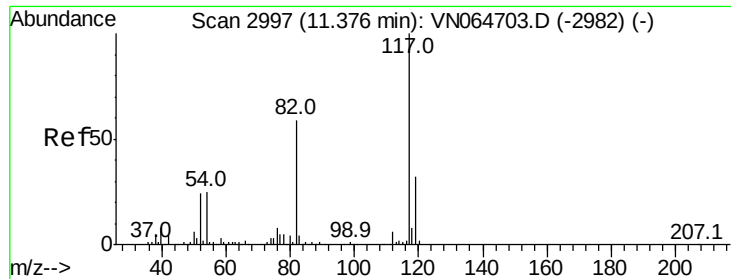
Tot Ion:107 Resp: 177613
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 49.225 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 95 Resp: 224986
 Ion Ratio Lower Upper
 95 100
 174 69.2 0.0 136.8
 176 66.2 0.0 134.2

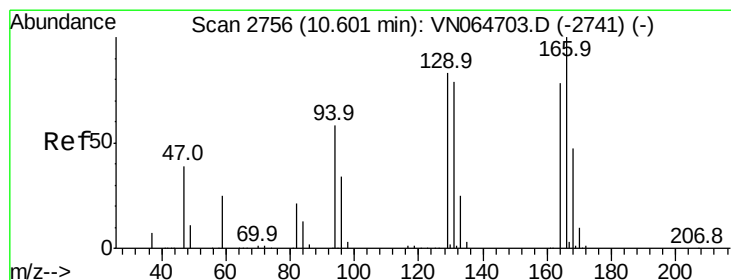
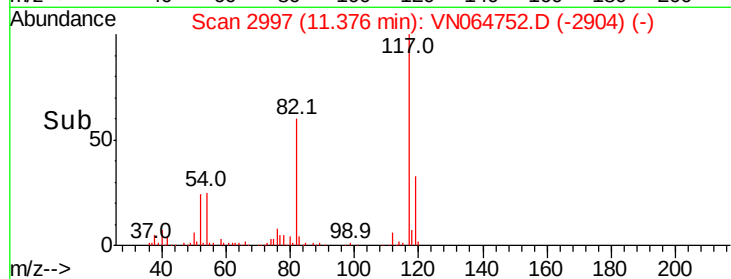
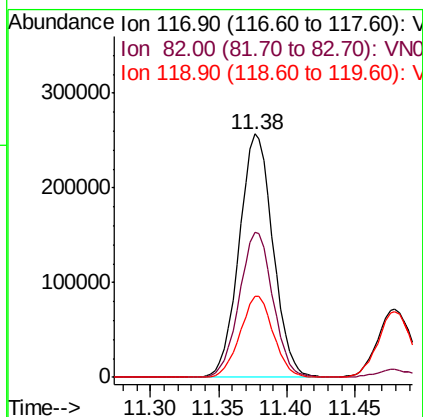
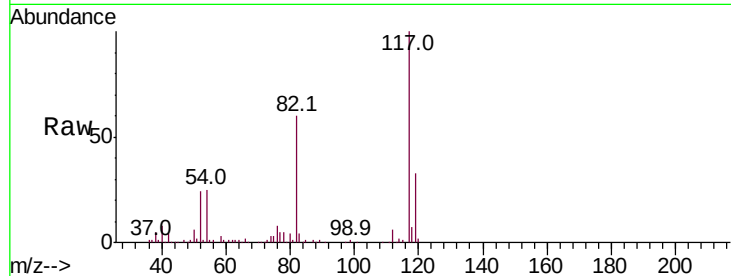




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

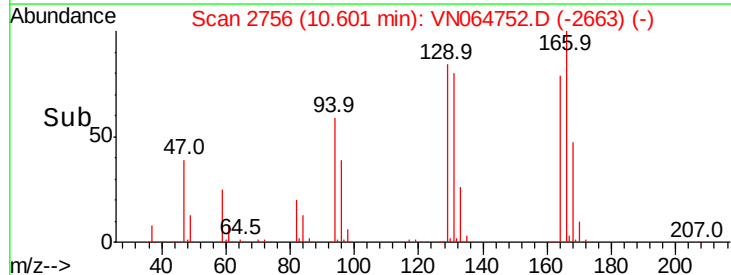
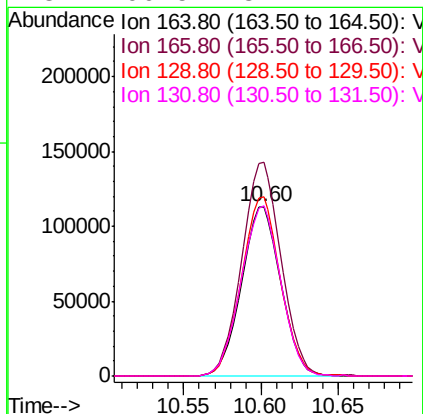
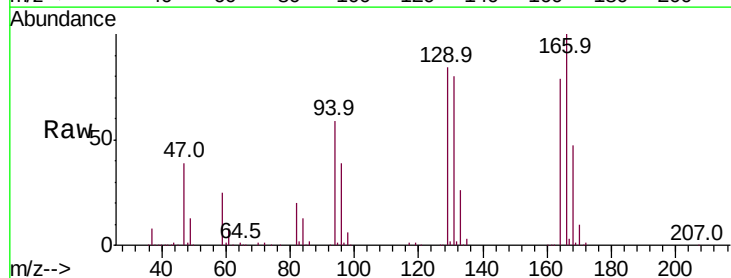
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

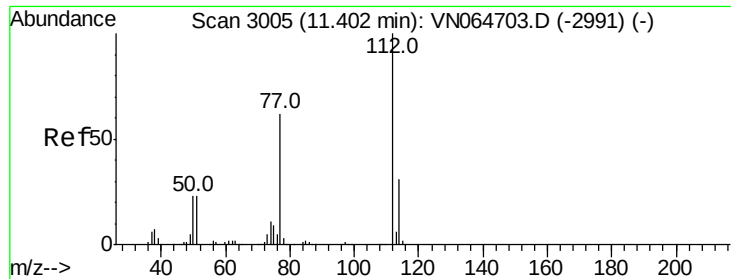
Tot Ion:117 Resp: 441508
Ion Ratio Lower Upper
117 100
82 59.7 47.0 70.6
119 33.2 25.4 38.2



#64
Tetrachloroethene
Concen: 51.131 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion:164 Resp: 200129
Ion Ratio Lower Upper
164 100
166 125.9 102.2 153.4
129 105.9 84.7 127.1
131 100.5 81.1 121.7

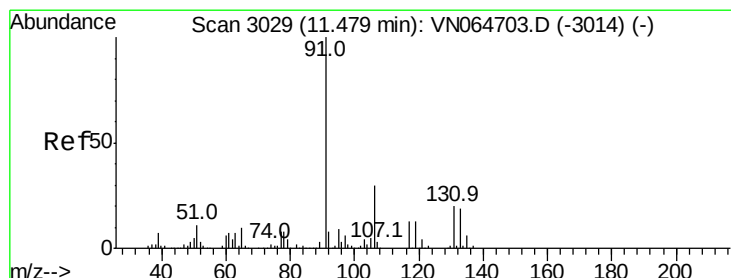
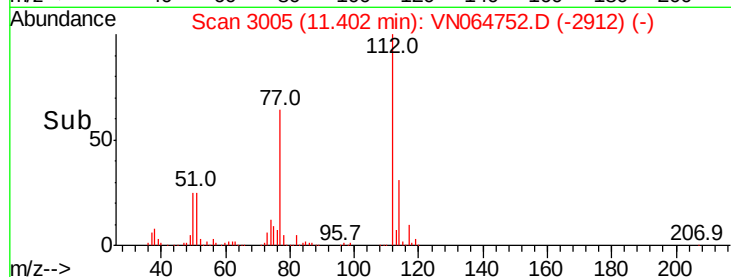
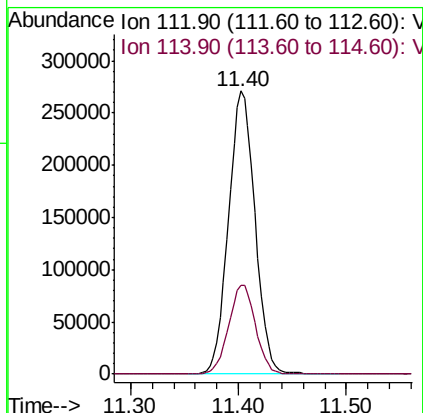
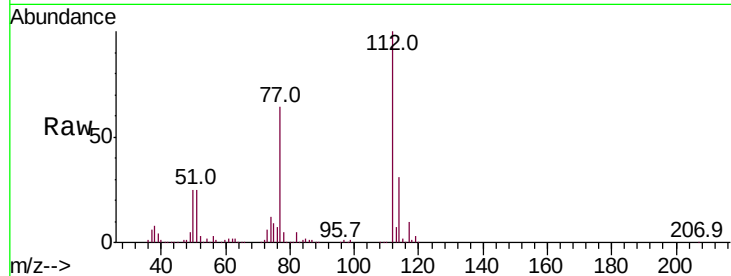




#65
Chlorobenzene
Concen: 49.487 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

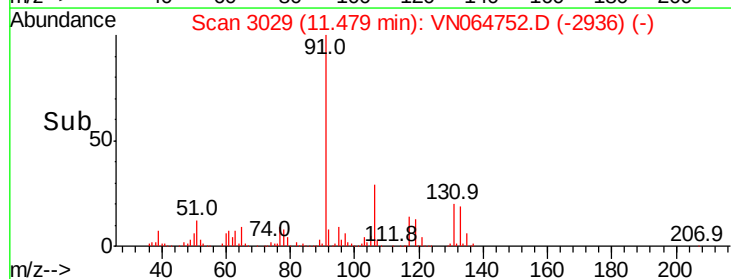
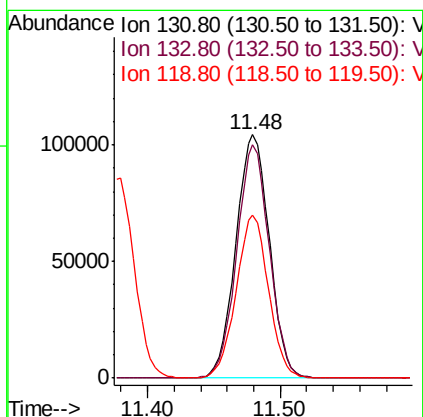
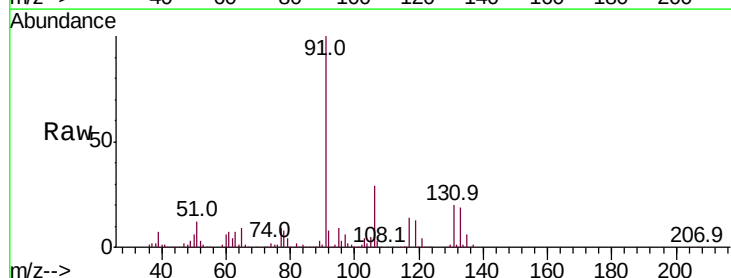
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

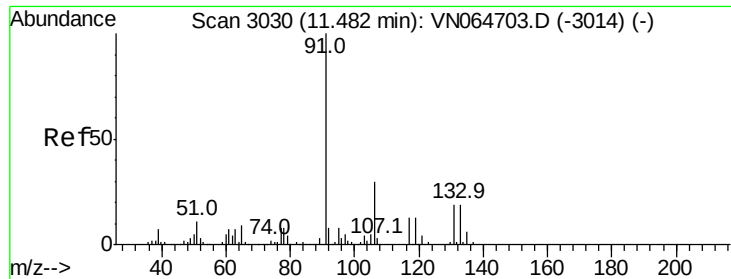
Tot Ion:112 Resp: 464761
Ion Ratio Lower Upper
112 100
114 31.4 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 52.082 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion:131 Resp: 182765
Ion Ratio Lower Upper
131 100
133 93.6 48.8 146.4
119 64.7 33.5 100.4

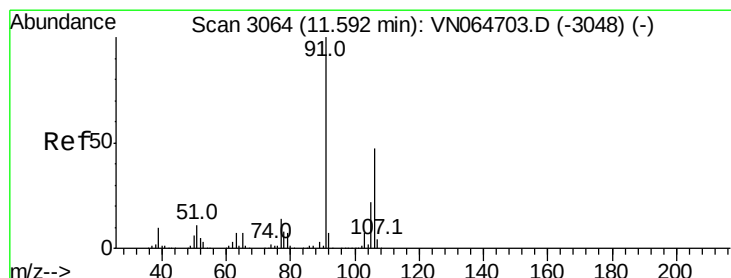
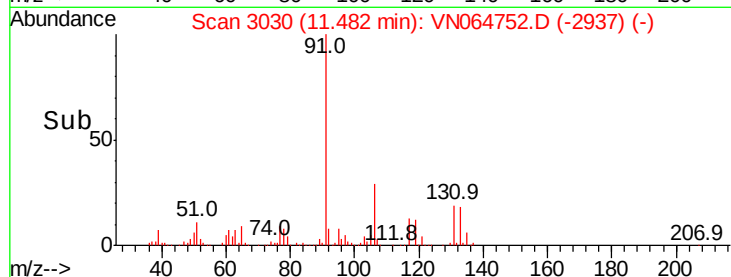
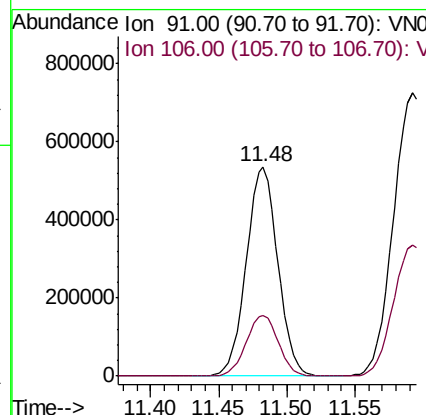
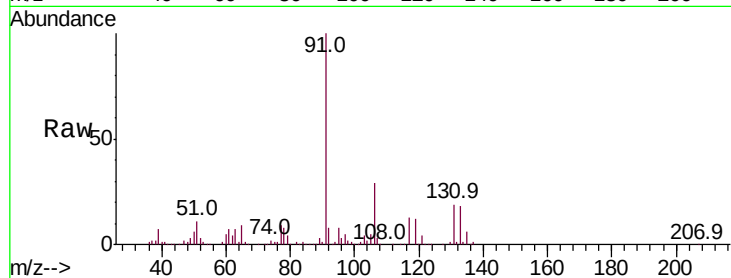




#67
Ethyl Benzene
Concen: 51.934 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

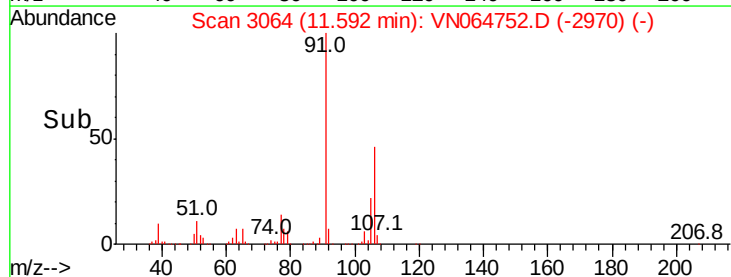
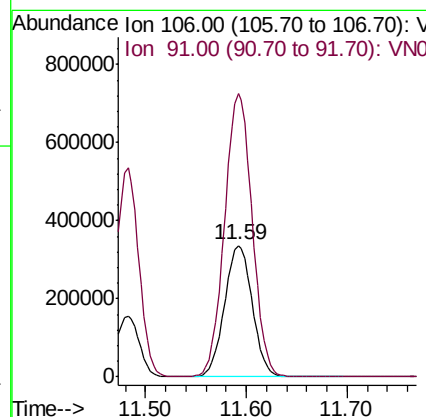
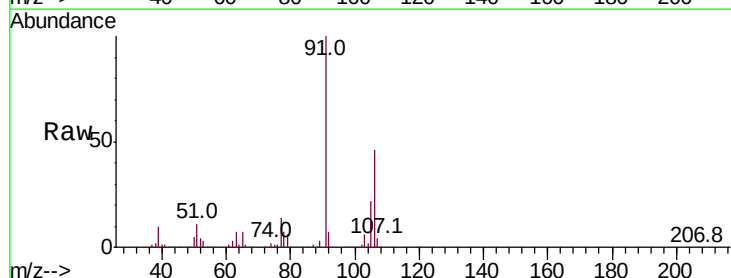
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

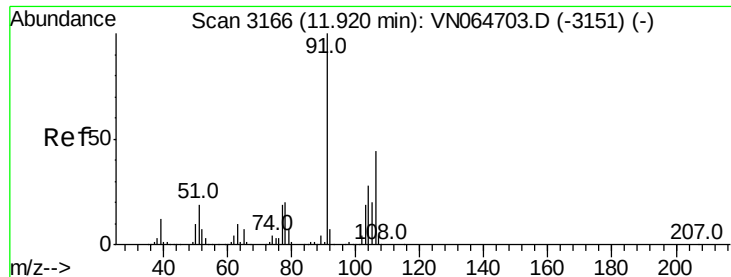
Tot Ion: 91 Resp: 859979
Ion Ratio Lower Upper
91 100
106 29.2 23.9 35.9



#68
m/p-Xylenes
Concen: 96.239 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion: 106 Resp: 646048
Ion Ratio Lower Upper
106 100
91 214.8 171.9 257.9

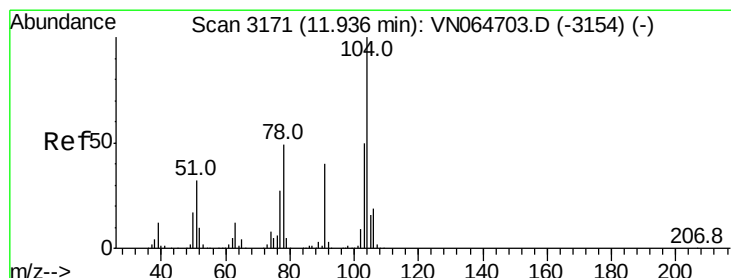
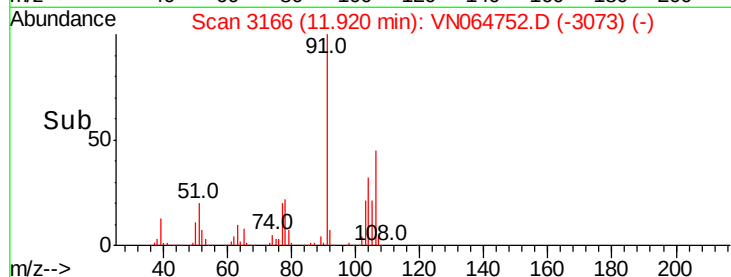
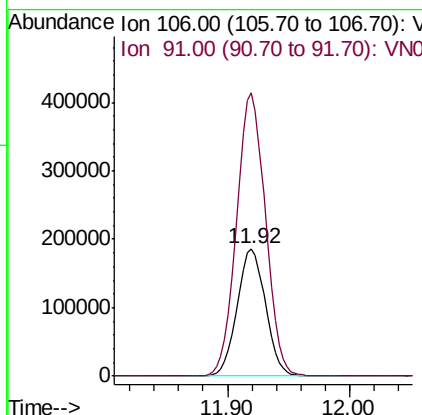
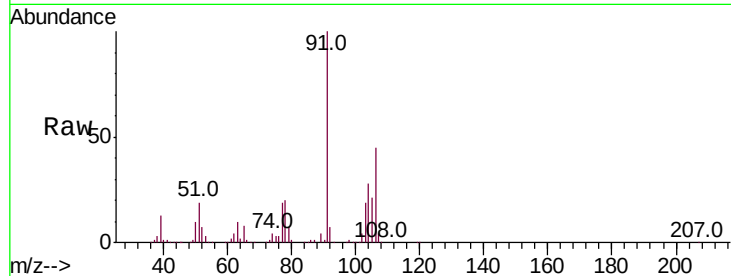




#69
o-Xylene
Concen: 51.805 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

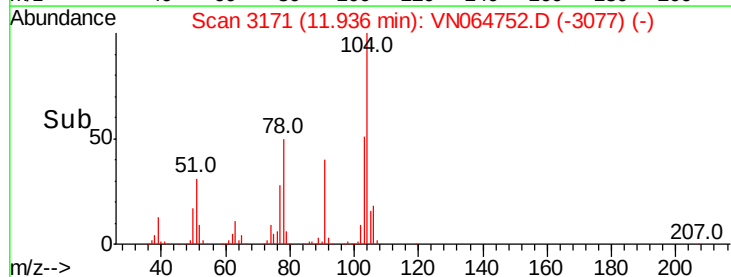
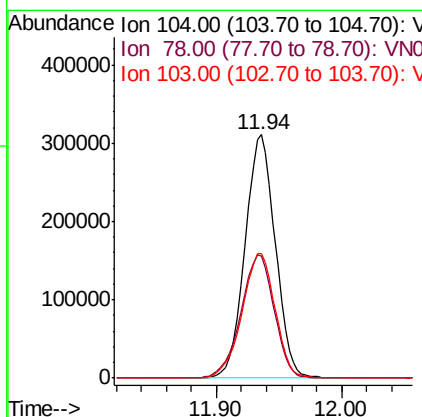
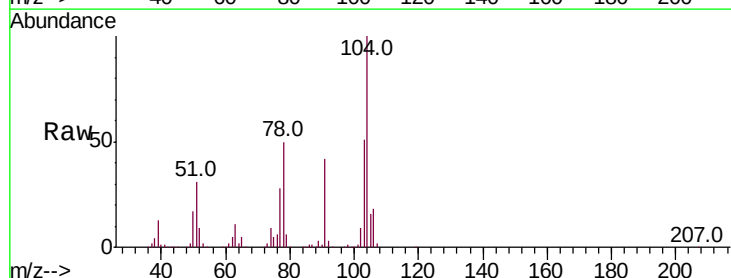
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

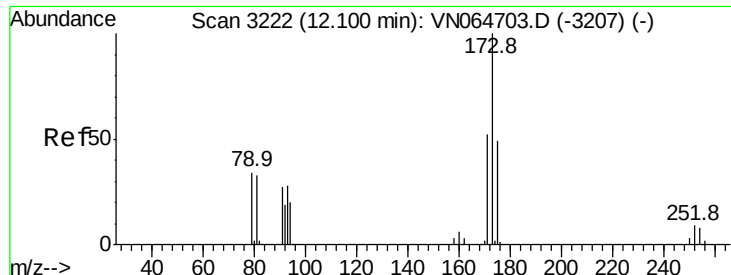
Tot Ion:106 Resp: 299279
Ion Ratio Lower Upper
106 100
91 226.9 112.1 336.3



#70
Styrene
Concen: 46.370 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064752.D
Acq: 20 Nov 2020 00:14

Tgt Ion:104 Resp: 520272
Ion Ratio Lower Upper
104 100
78 55.7 44.1 66.1
103 56.1 43.7 65.5





#71

Bromoform

Concen: 45.394 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

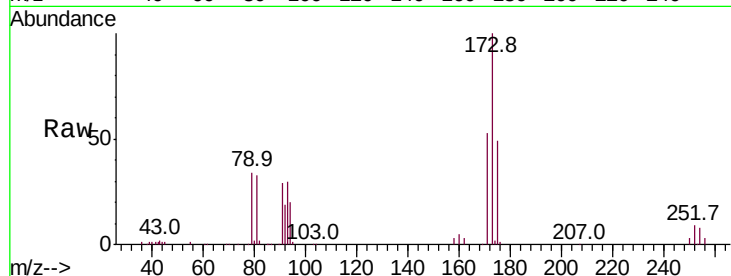
Tot Ion:173 Resp: 123183

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.9

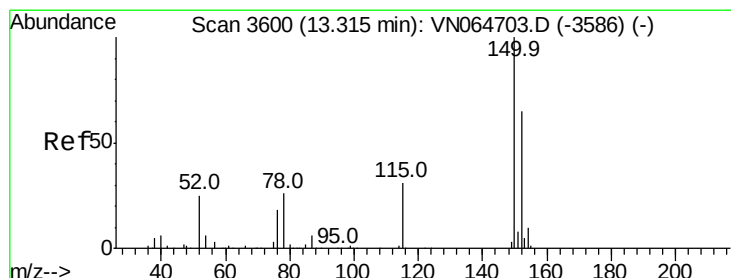
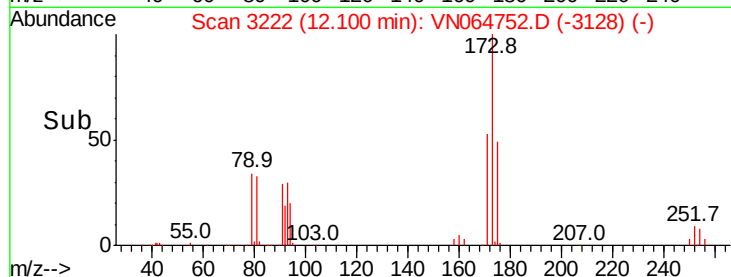
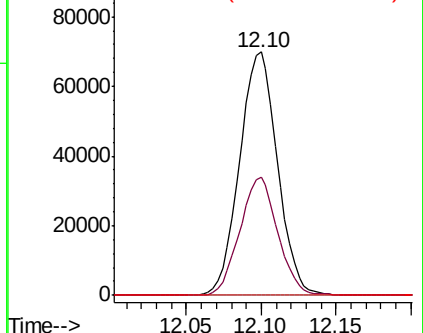
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

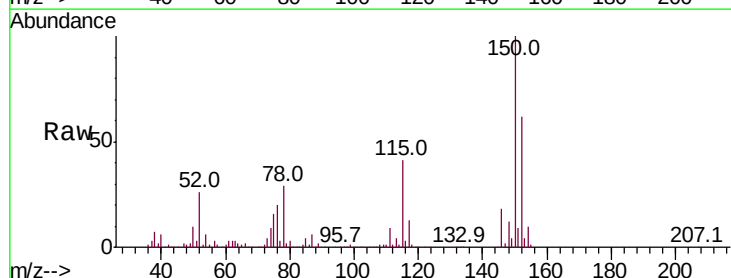
Tgt Ion:152 Resp: 241259

Ion Ratio Lower Upper

152 100

115 63.9 32.1 96.3

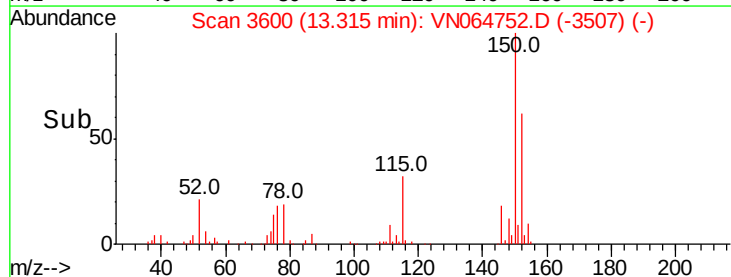
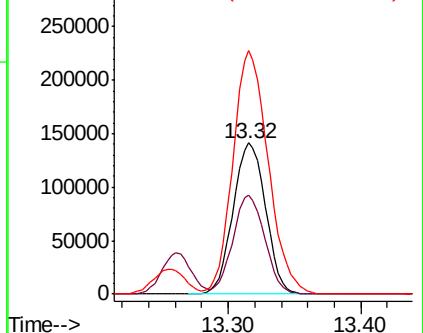
150 174.1 0.0 344.8

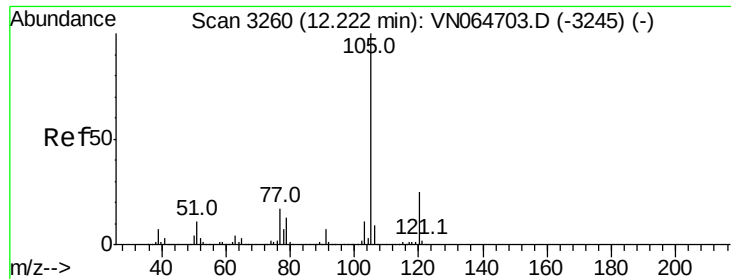


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.556 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

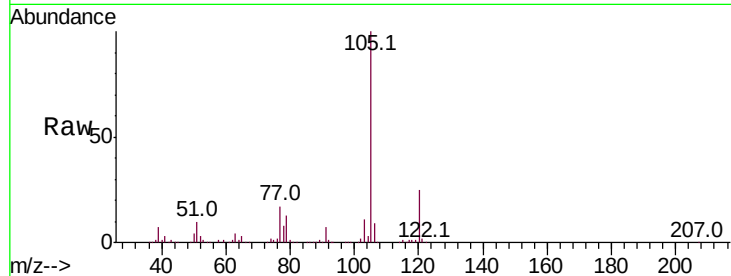
VSTDCCC050

Tot Ion:105 Resp: 797474

Ion Ratio Lower Upper

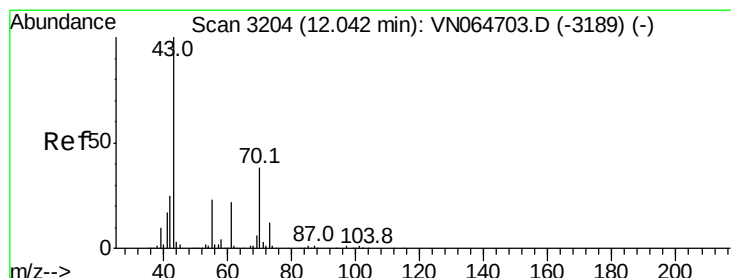
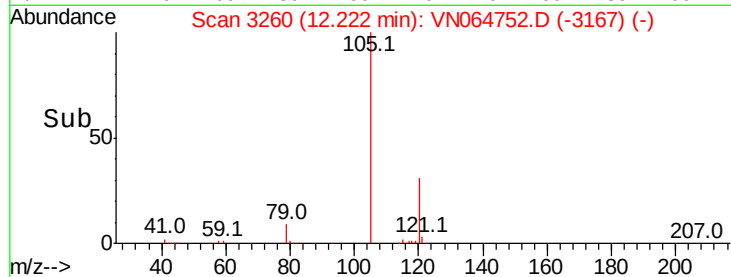
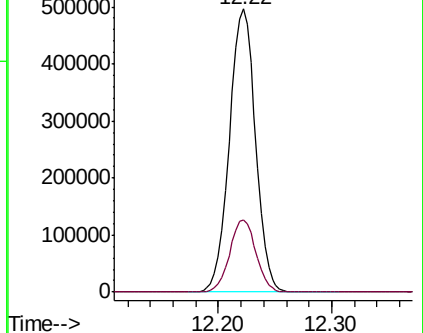
105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.291 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Tgt Ion: 43 Resp: 354312

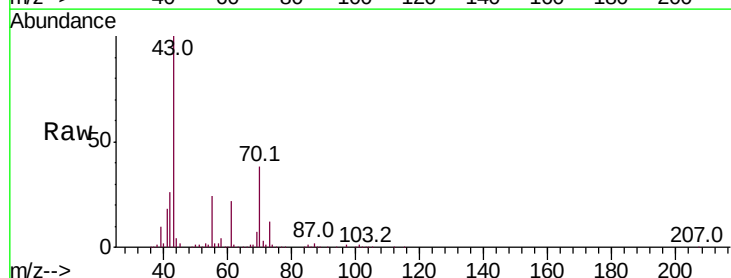
Ion Ratio Lower Upper

43 100

70 37.4 30.3 45.5

55 24.6 18.9 28.3

61 21.4 17.7 26.5

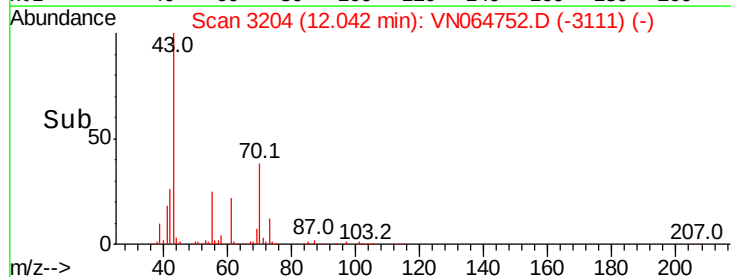
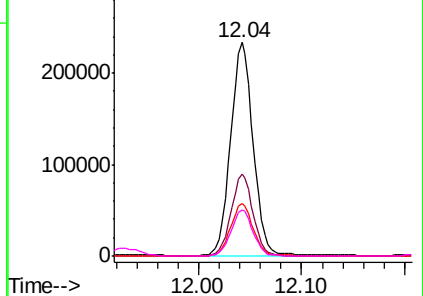


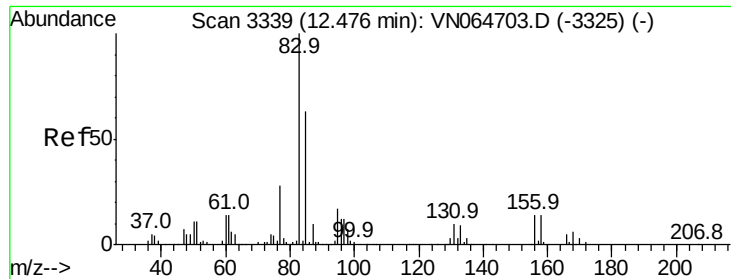
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.003 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

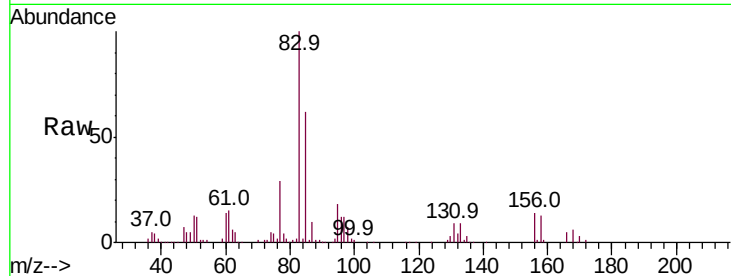
Tot Ion: 83 Resp: 210736

Ion Ratio Lower Upper

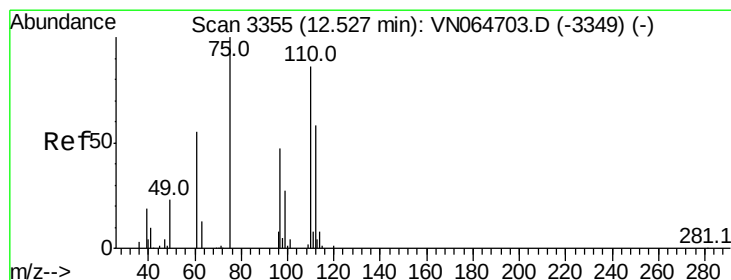
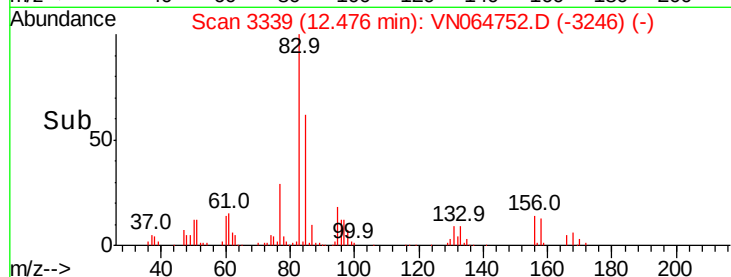
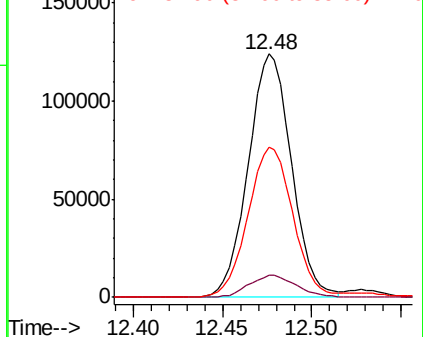
83 100

131 9.8 5.0 15.0

85 63.9 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 67.668 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064752.D

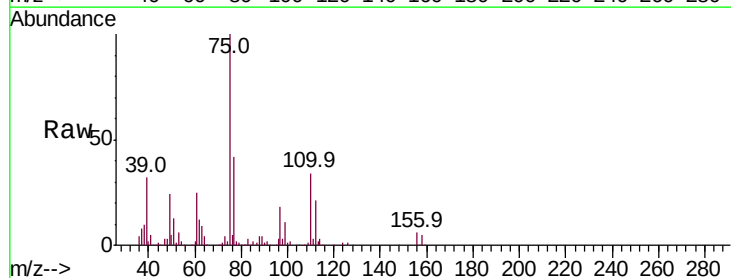
Acq: 20 Nov 2020 00:14

Tgt Ion: 75 Resp: 351759

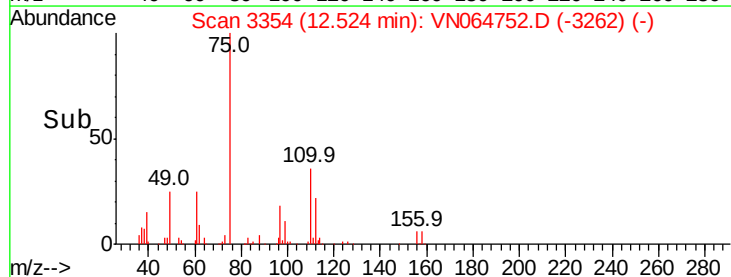
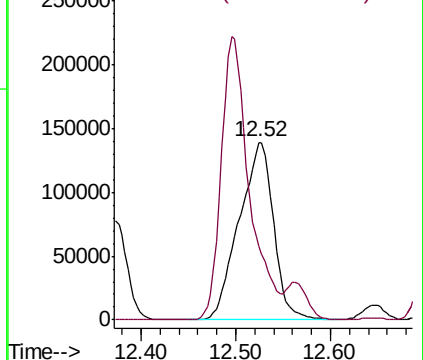
Ion Ratio Lower Upper

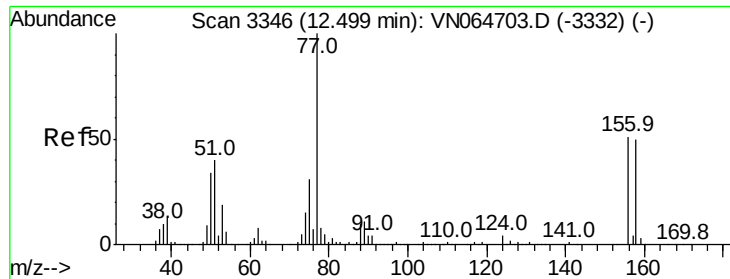
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 44.334 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

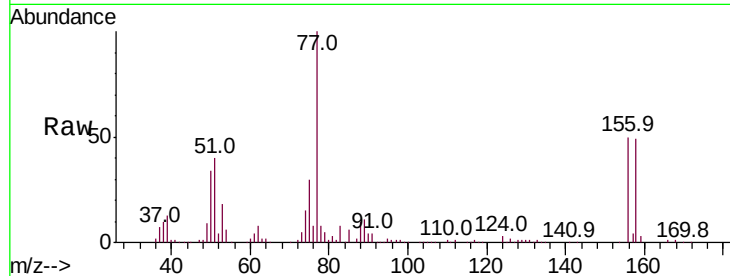
Tot Ion:156 Resp: 191534

Ion Ratio Lower Upper

156 100

77 239.7 117.3 351.9

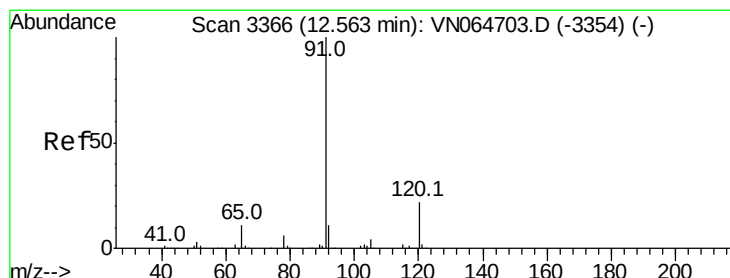
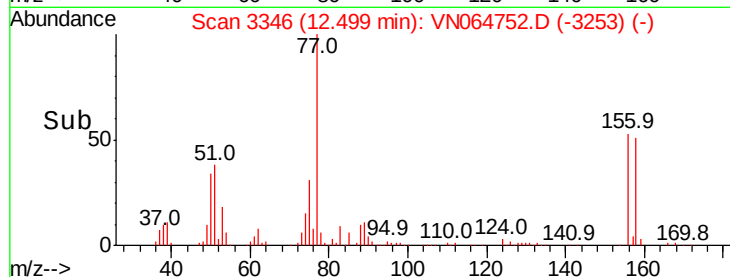
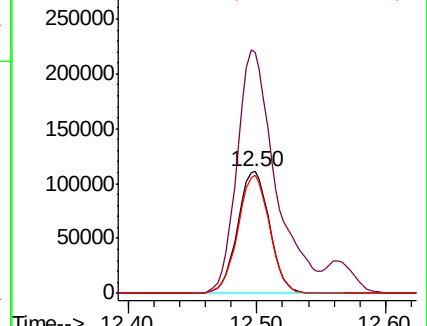
158 95.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.702 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064752.D

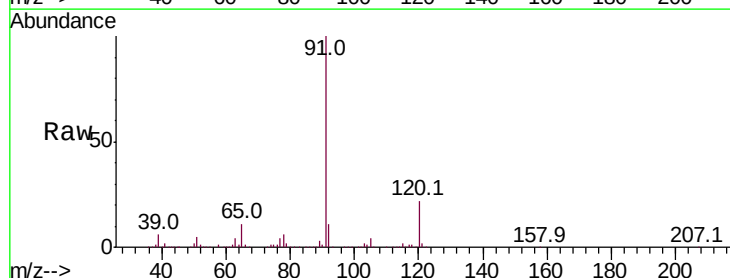
Acq: 20 Nov 2020 00:14

Tgt Ion: 91 Resp: 1131112

Ion Ratio Lower Upper

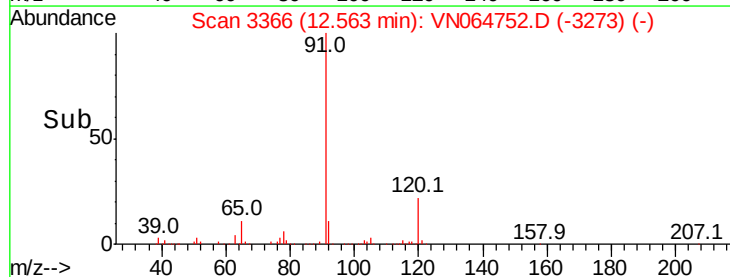
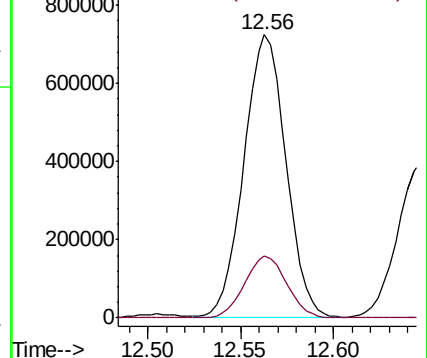
91 100

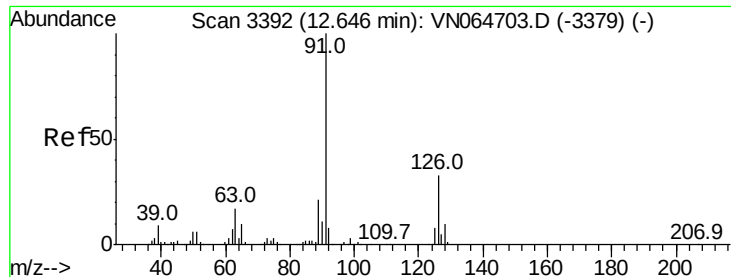
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.371 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

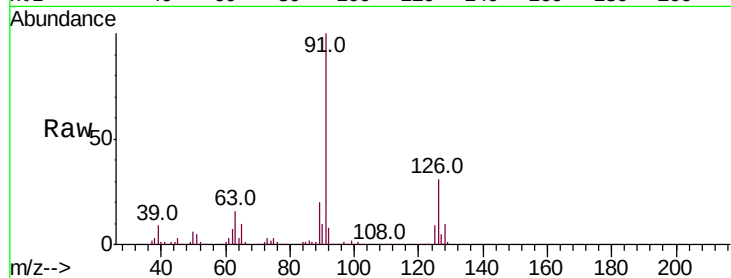
VSTDCCC050

Tot Ion: 91 Resp: 643112

Ion Ratio Lower Upper

91 100

126 32.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064703.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN064703.D (-3379) (-)

800000

600000

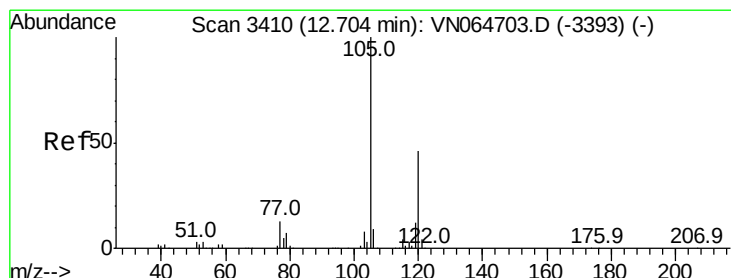
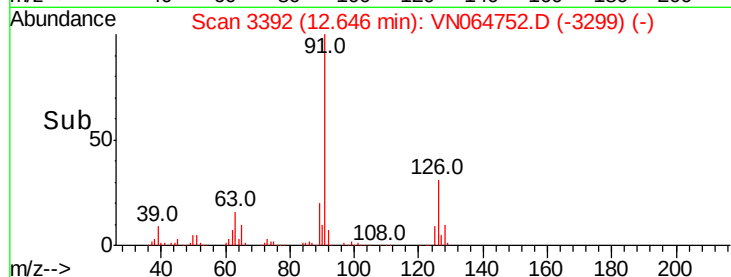
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.572 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064752.D

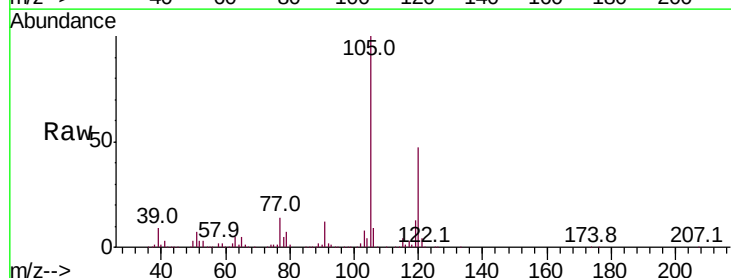
Acq: 20 Nov 2020 00:14

Tgt Ion:105 Resp: 748066

Ion Ratio Lower Upper

105 100

120 47.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064703.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN064703.D (-3393) (-)

500000

400000

300000

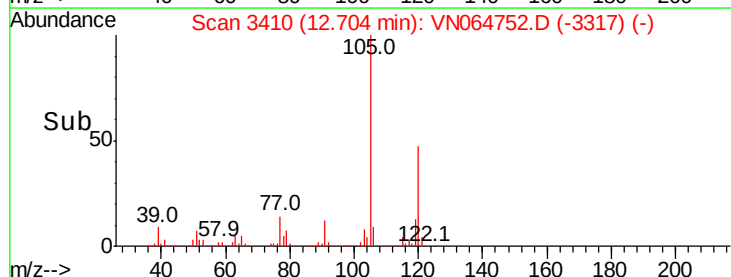
200000

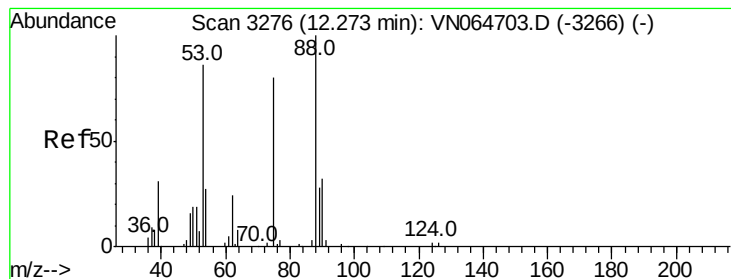
100000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 40.729 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

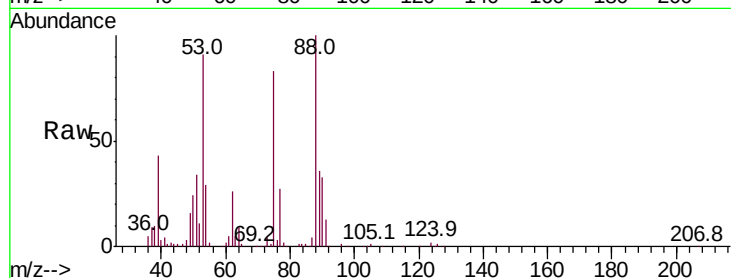
Tot Ion: 75 Resp: 81567

Ion Ratio Lower Upper

75 100

53 107.2 88.8 133.2

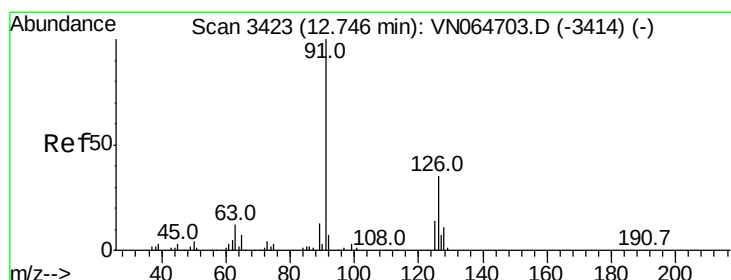
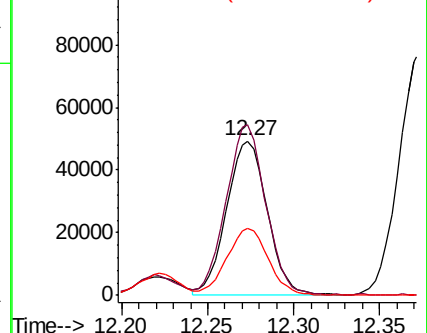
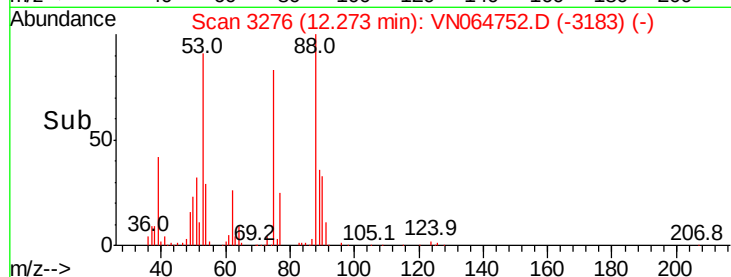
89 44.1 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.245 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064752.D

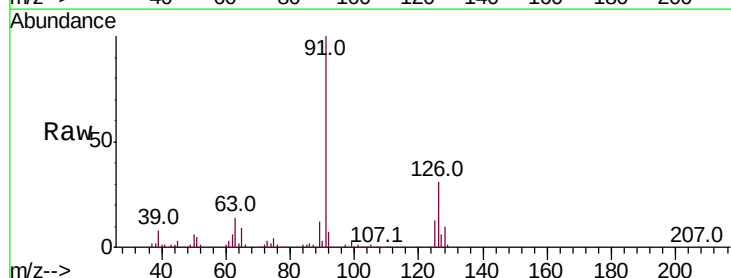
Acq: 20 Nov 2020 00:14

Tgt Ion: 91 Resp: 697647

Ion Ratio Lower Upper

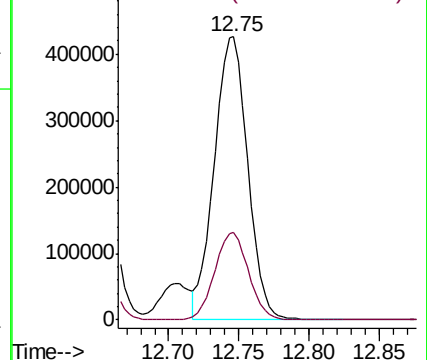
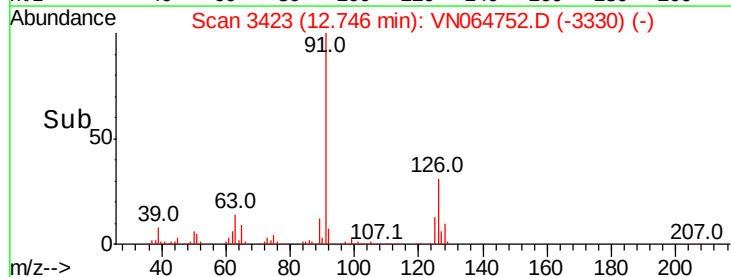
91 100

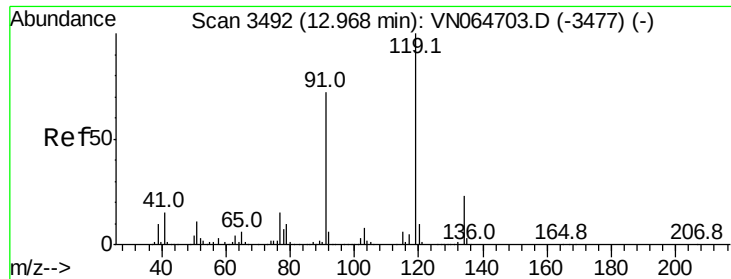
126 31.1 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

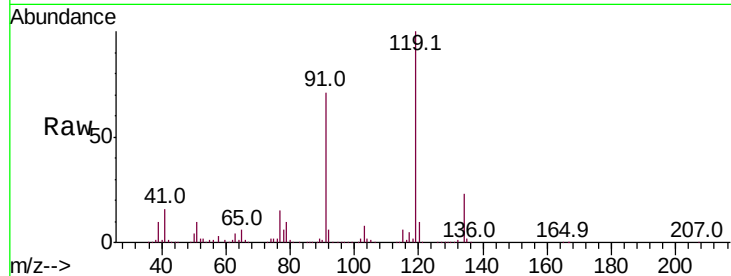




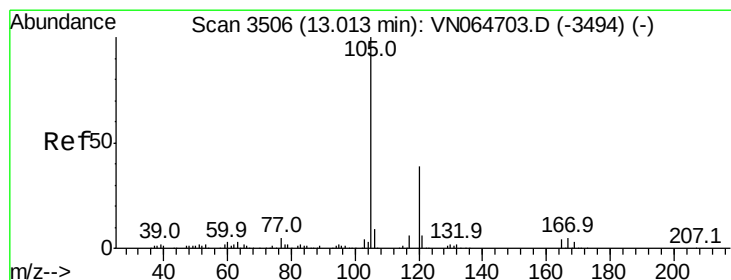
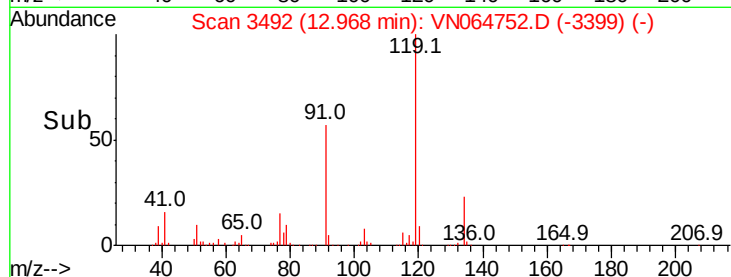
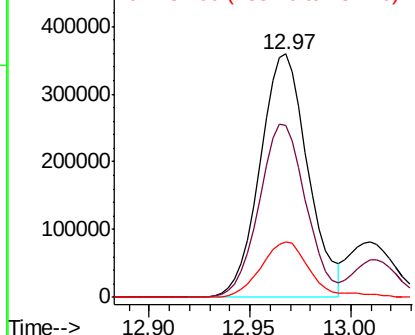
#83
 tert-Butylbenzene
 Concen: 53.735 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 591510
 Ion Ratio Lower Upper
 119 100
 91 69.7 35.8 107.4
 134 23.8 12.0 36.1

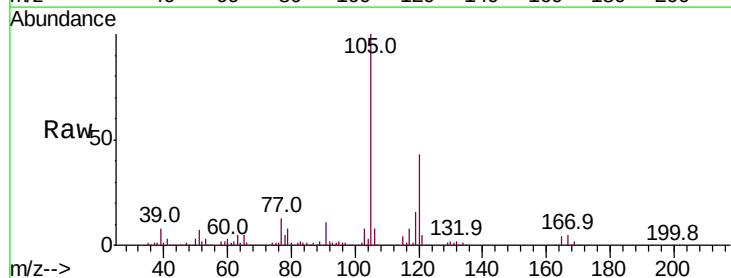


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

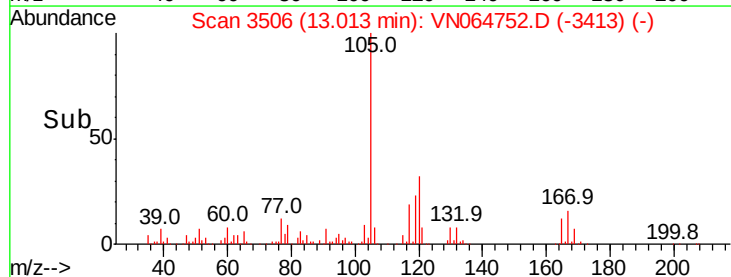
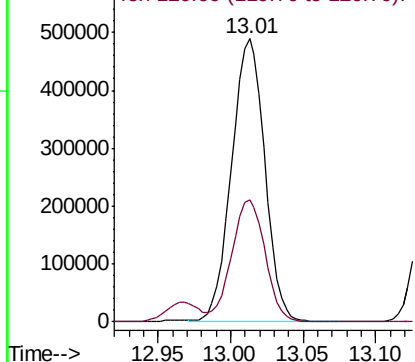


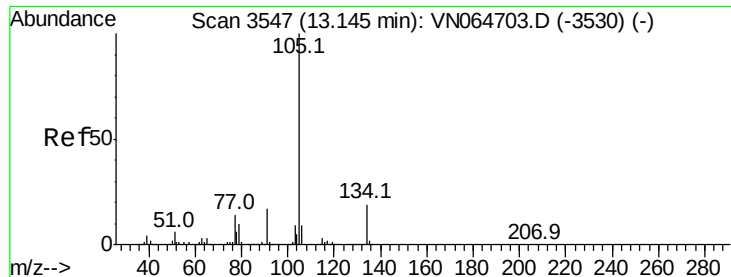
#84
 1,2,4-Trimethylbenzene
 Concen: 53.302 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion:105 Resp: 774067
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 58.099 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

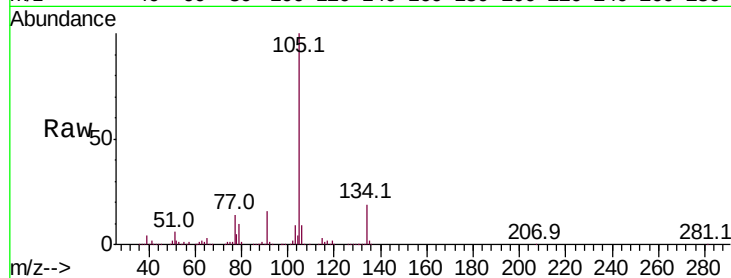
VSTDCCC050

Tot Ion:105 Resp: 852456

Ion Ratio Lower Upper

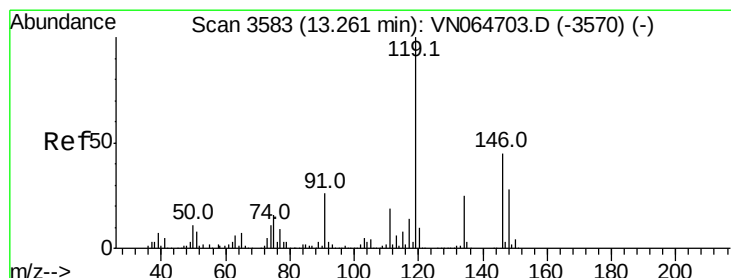
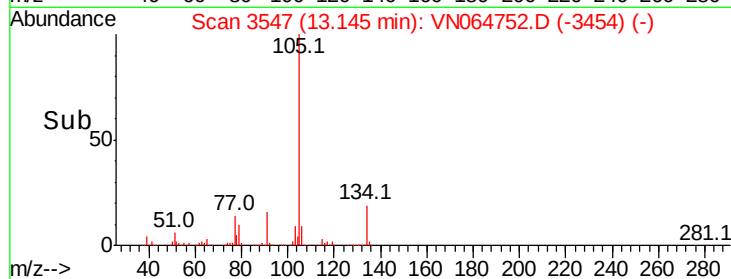
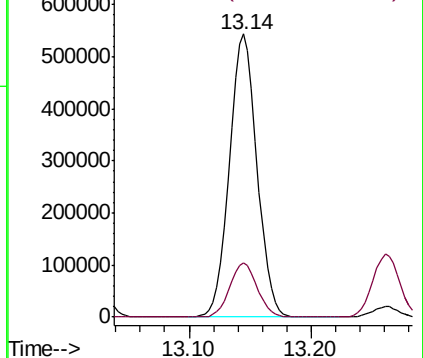
105 100

134 19.2 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.089 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

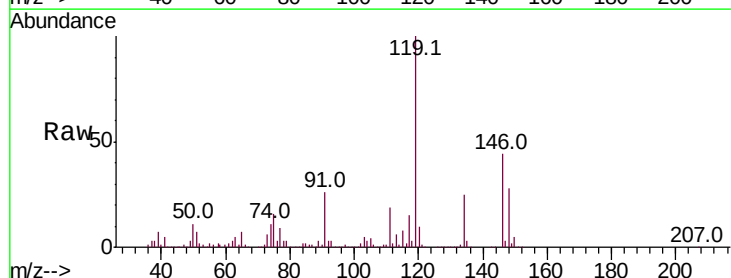
Tgt Ion:119 Resp: 716391

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

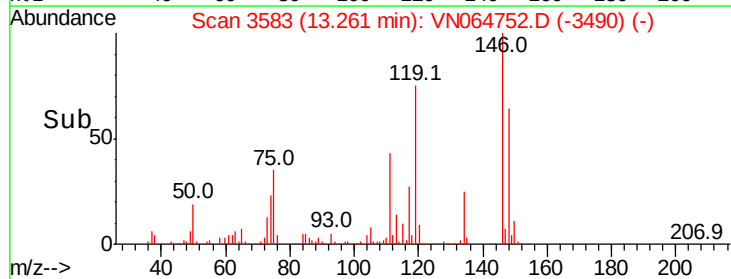
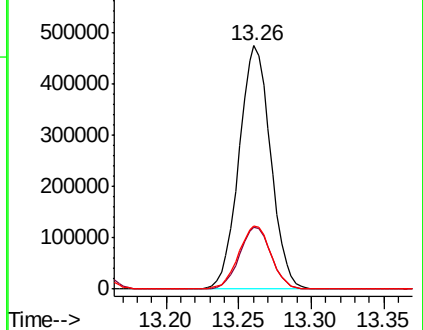
91 26.4 13.3 39.8

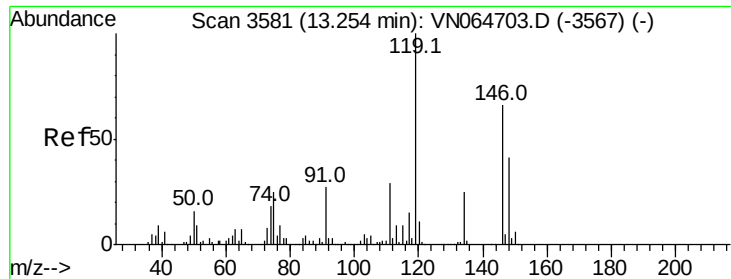


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.301 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

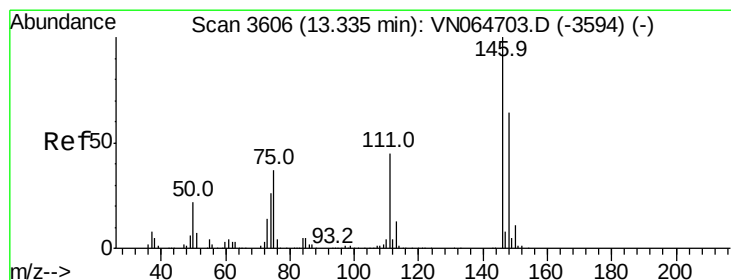
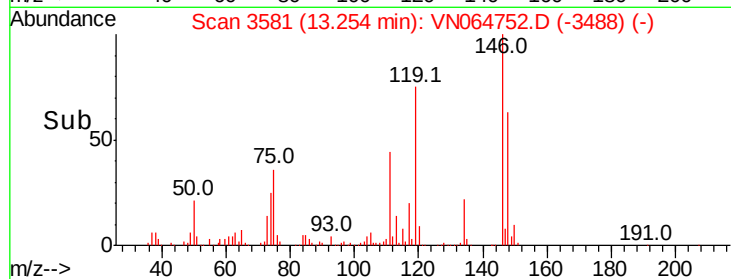
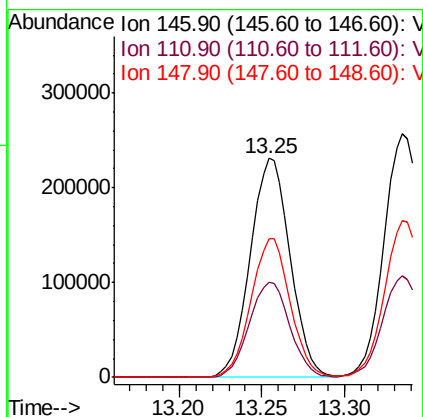
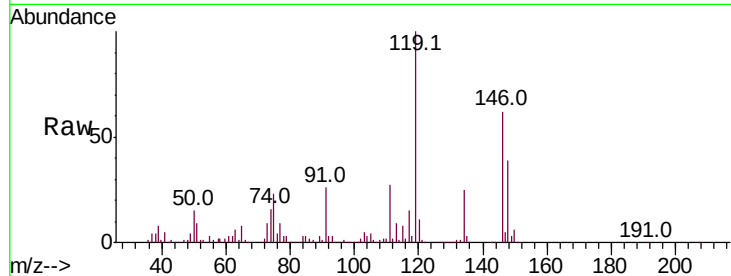
Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 388083

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.4
148	62.2	31.5	94.5



#88

1,4-Dichlorobenzene

Concen: 51.480 ug/l

RT: 13.33 min Scan# 3606

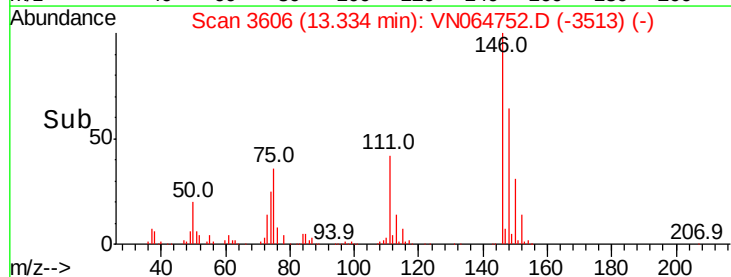
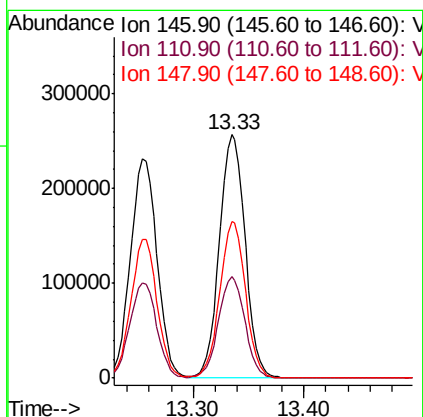
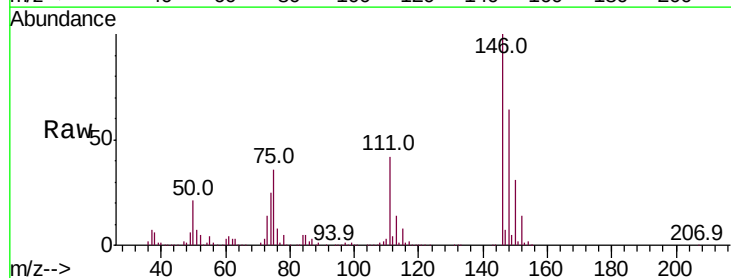
Delta R.T. -0.00 min

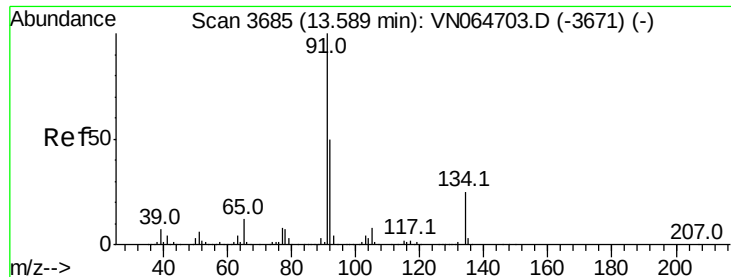
Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Tgt Ion:146 Resp: 416031

Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.3	66.8
148	63.7	31.6	94.7





#89

n-Butylbenzene

Concen: 46.901 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

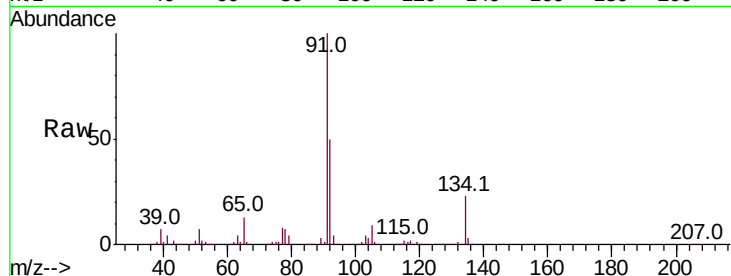
Tot Ion: 91 Resp: 590834

Ion Ratio Lower Upper

91 100

92 49.5 24.9 74.8

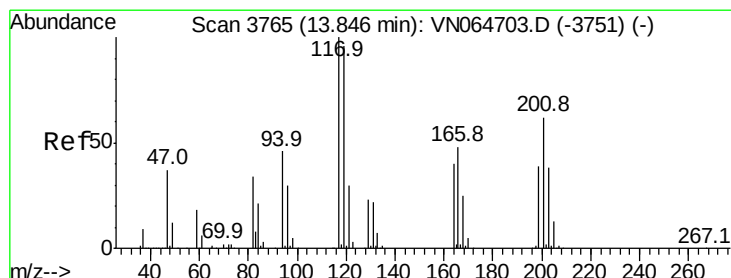
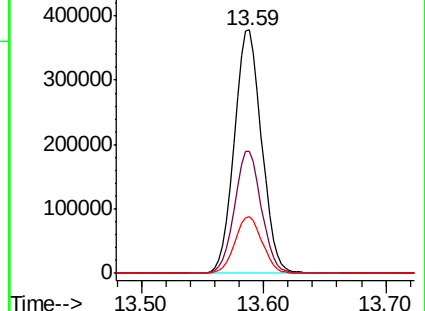
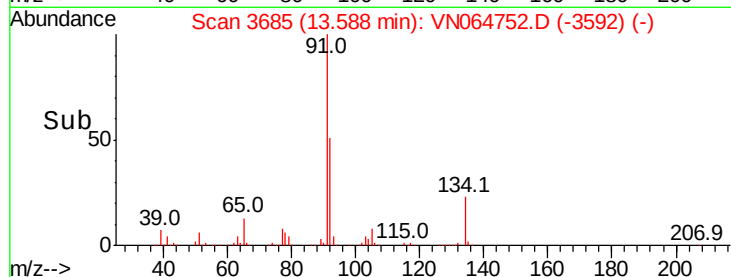
134 23.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN064703.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064703.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064703.D (-3671) (-)



#90

Hexachloroethane

Concen: 50.710 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064752.D

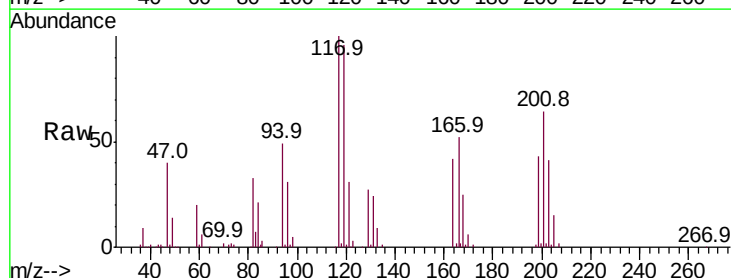
Acq: 20 Nov 2020 00:14

Tgt Ion: 117 Resp: 113123

Ion Ratio Lower Upper

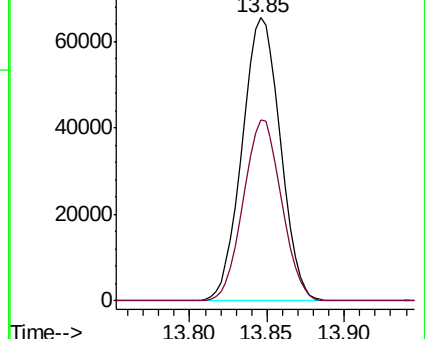
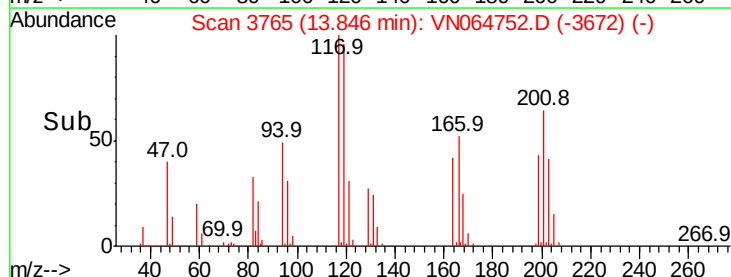
117 100

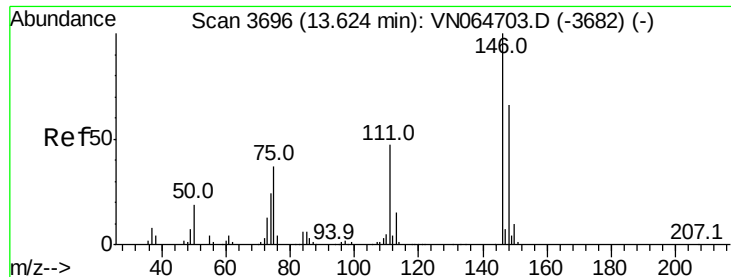
201 63.7 31.9 95.5



Abundance Ion 116.80 (116.50 to 117.50): VN064703.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN064703.D (-3751) (-)

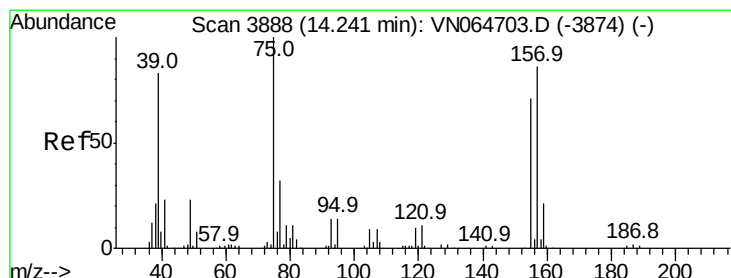
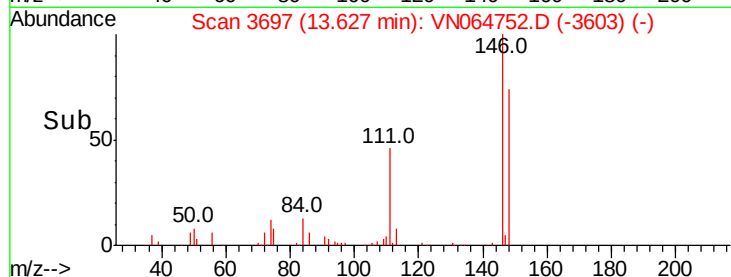
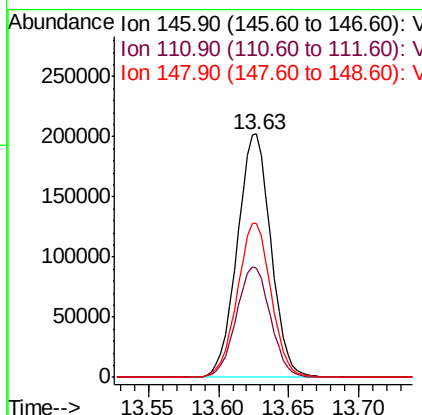
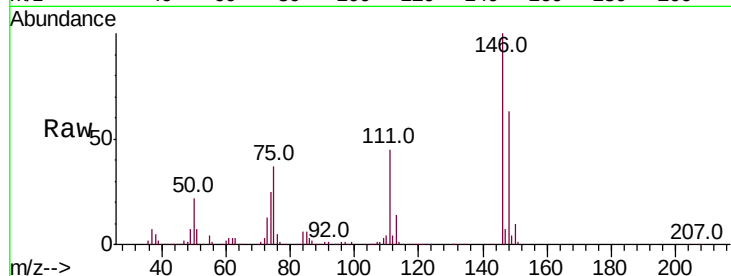




#91
 1,2-Dichlorobenzene
 Concen: 44.036 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

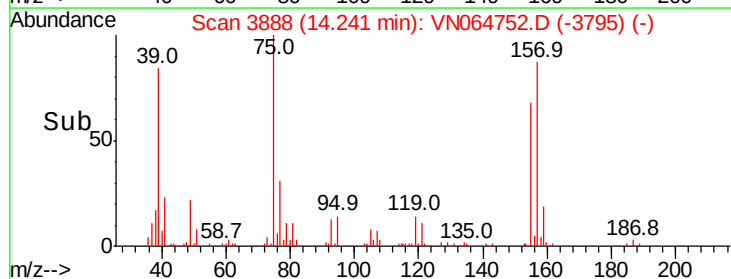
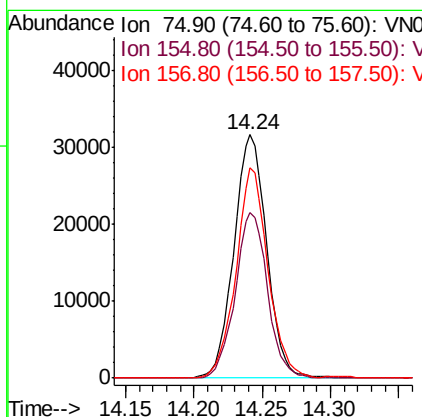
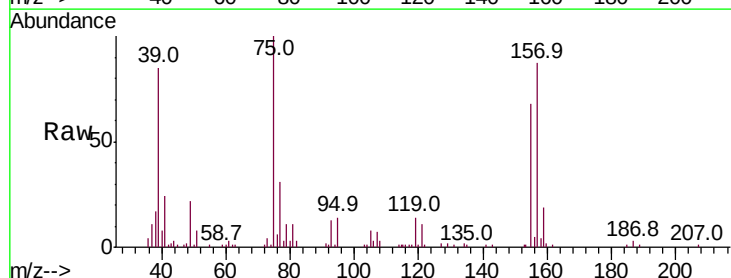
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

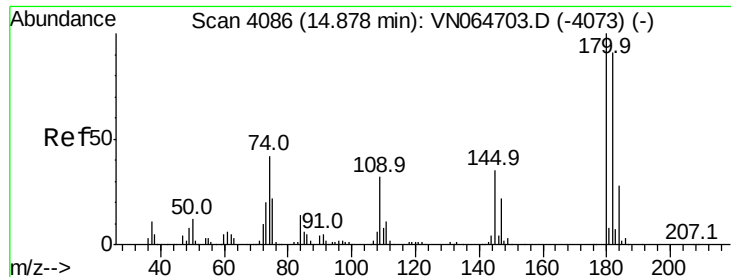
Tot Ion:146 Resp: 338791
 Ion Ratio Lower Upper
 146 100
 111 46.0 23.1 69.3
 148 63.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.068 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion: 75 Resp: 52868
 Ion Ratio Lower Upper
 75 100
 155 66.5 33.6 100.6
 157 84.3 42.4 127.2

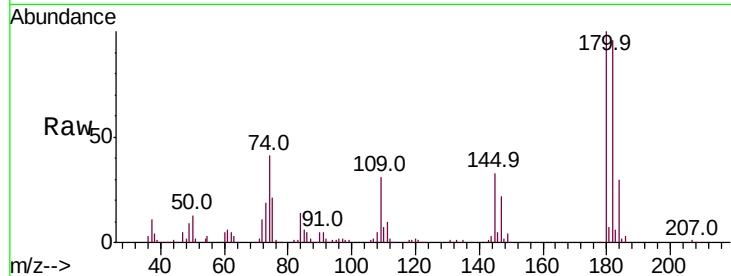




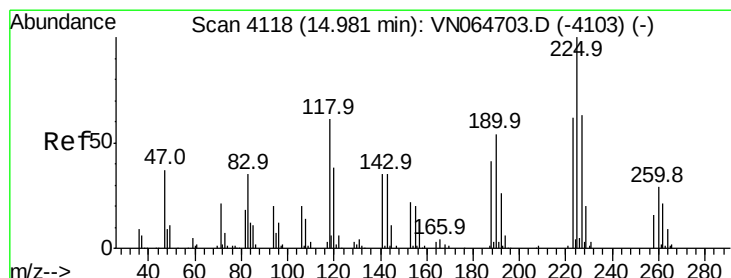
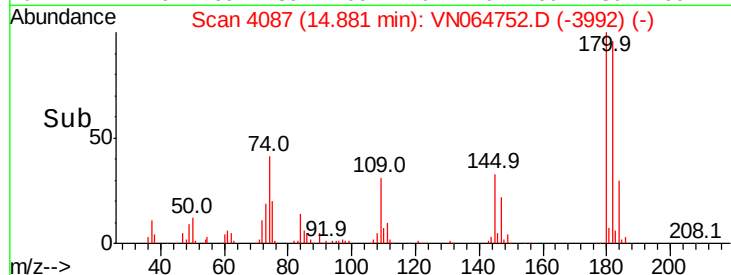
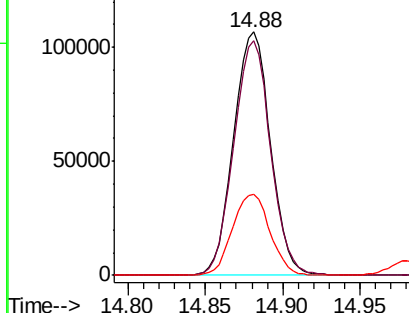
#93
 1,2,4-Trichlorobenzene
 Concen: 42.427 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	34.1	17.5	52.5

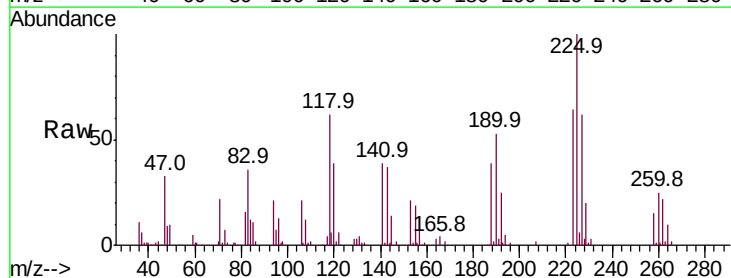


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

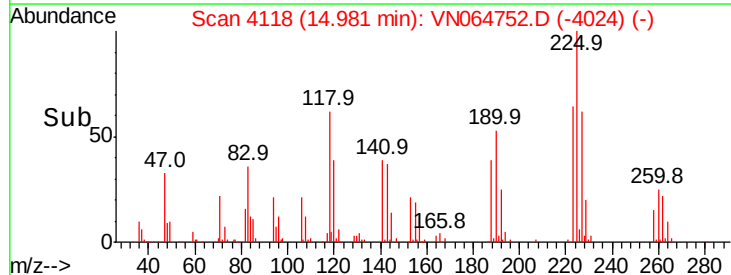
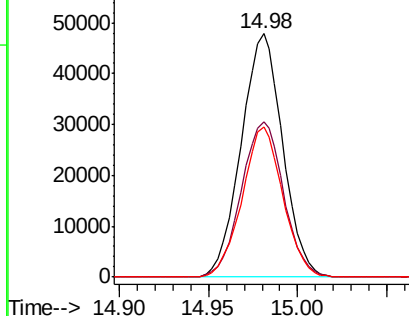


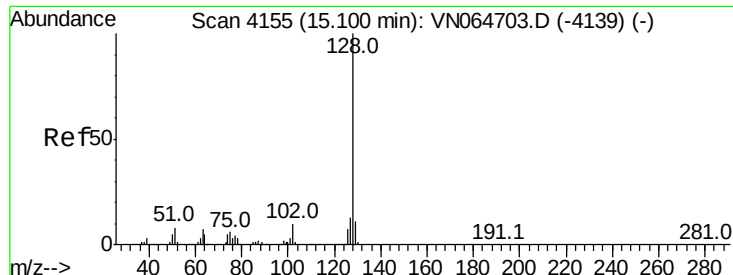
#94
 Hexachlorobutadiene
 Concen: 45.274 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064752.D
 Acq: 20 Nov 2020 00:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.2	93.6
227	60.7	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.145 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

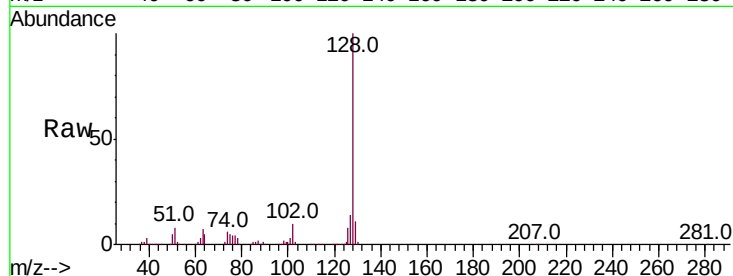
Tot Ion:128 Resp: 585052

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

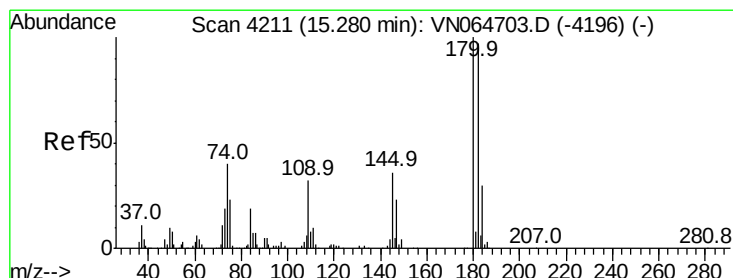
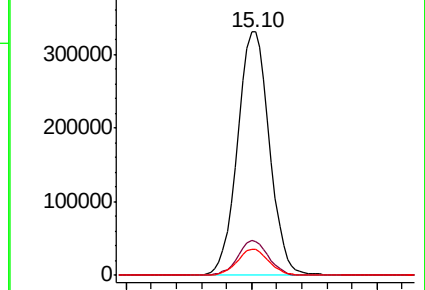
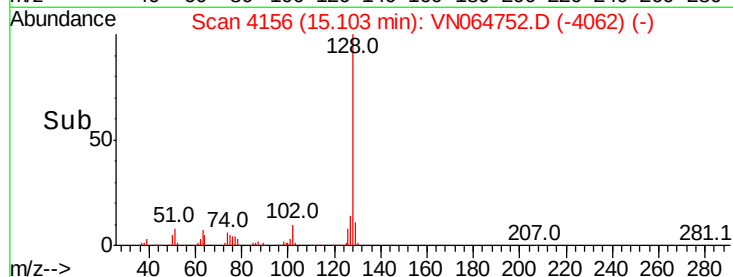
129 10.7 8.9 13.3



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



#96

1,2,3-Trichlorobenzene

Concen: 43.620 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064752.D

Acq: 20 Nov 2020 00:14

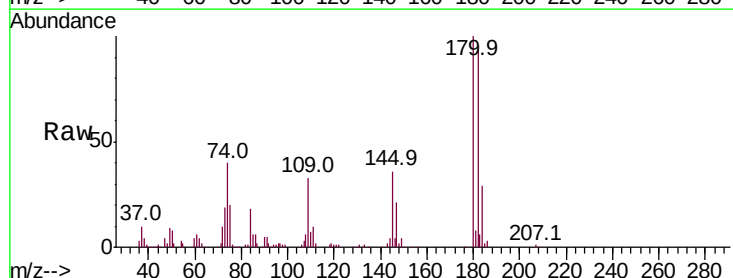
Tgt Ion:180 Resp: 174697

Ion Ratio Lower Upper

180 100

182 94.8 47.5 142.5

145 36.2 18.1 54.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

