

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064755.D
 Acq On : 20 Nov 2020 3:07
 Operator : JC/MD
 Sample : VN1119WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

Quant Time: Dec 03 05:20:03 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	347344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	603078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	559641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	256395	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.98	65	259105	42.40	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	84.80%	
35) Dibromofluoromethane		7.54	113	187093	54.51	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	109.02%	
50) Toluene-d8		10.06	98	731968	46.92	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.84%	
62) 4-Bromofluorobenzene		12.37	95	257216	44.11	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	66611	15.348	ug/l	98
3) Chloromethane	2.04	50	91676	19.102	ug/l	96
4) Vinyl Chloride	2.16	62	88652	17.703	ug/l	99
5) Bromomethane	2.54	94	58557	15.947	ug/l	97
6) Chloroethane	2.68	64	56155	16.620	ug/l #	89
7) Trichlorofluoromethane	2.99	101	125371	13.979	ug/l	95
8) Diethyl Ether	3.37	74	49714	17.179	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72893	18.807	ug/l	97
10) Methyl Iodide	3.91	142	79446	17.147	ug/l	95
11) Tert butyl alcohol	4.73	59	56304	94.979	ug/l #	89
12) 1,1-Dichloroethene	3.69	96	67664	18.119	ug/l	95
13) Acrolein	3.56	56	13774	99.244	ug/l	92
14) Allyl chloride	4.27	41	122632	19.125	ug/l #	86
15) Acrylonitrile	4.93	53	179141	102.915	ug/l	97
16) Acetone	3.77	43	158669	110.216	ug/l	93
17) Carbon Disulfide	4.00	76	200052	18.504	ug/l	100
18) Methyl Acetate	4.28	43	88213	20.482	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	227668	18.220	ug/l	97
20) Methylene Chloride	4.50	84	86843	19.193	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	75852	18.204	ug/l	96
22) Diisopropyl ether	5.90	45	268320	19.815	ug/l	95
23) Vinyl Acetate	5.84	43	1045679	95.686	ug/l	99
24) 1,1-Dichloroethane	5.79	63	151251	19.065	ug/l	99
25) 2-Butanone	6.78	43	230790	98.792	ug/l	100
26) 2,2-Dichloropropane	6.77	77	111188	14.749	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	84990	18.501	ug/l	97
28) Bromochloromethane	7.14	49	76282	19.070	ug/l	100
29) Tetrahydrofuran	7.16	42	154478	97.868	ug/l	99
30) Chloroform	7.32	83	153200	17.770	ug/l	97
31) Cyclohexane	7.61	56	117030	17.716	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	132111	16.765	ug/l	98
36) 1,1-Dichloropropene	7.75	75	109323	17.620	ug/l	97
37) Ethyl Acetate	6.88	43	107270	20.648	ug/l	99
38) Carbon Tetrachloride	7.73	117	113999	17.289	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	96742	17.597	ug/l	96
40) Benzene	8.00	78	336914	19.489	ug/l	97
41) Methacrylonitrile	7.12	41	48881	20.528	ug/l	91
42) 1,2-Dichloroethane	8.08	62	127640	17.160	ug/l	97
43) Isopropyl Acetate	8.12	43	174286	17.308	ug/l	97
44) Trichloroethene	8.80	130	90803	18.302	ug/l	99
45) 1,2-Dichloropropane	9.08	63	91541	19.865	ug/l	95
46) Dibromomethane	9.17	93	59009	18.065	ug/l	91
47) Bromodichloromethane	9.36	83	120426	17.537	ug/l	97
48) Methyl methacrylate	9.16	41	84791	17.846	ug/l	92
49) 1,4-Dioxane	9.16	88	24424	412.019	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	504175	87.036	ug/l	97
52) Toluene	10.12	92	203016	19.067	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	121754	16.567	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	140937	18.624	ug/l #	87
55) 1,1,2-Trichloroethane	10.53	97	79360	18.583	ug/l	96
56) Ethyl methacrylate	10.40	69	106652	17.075	ug/l #	92
57) 1,3-Dichloropropane	10.68	76	140270	18.961	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	307974	89.354	ug/l	99
59) 2-Hexanone	10.72	43	351756	84.551	ug/l	96
60) Dibromochloromethane	10.87	129	89333	18.106	ug/l	99
61) 1,2-Dibromoethane	10.97	107	84650	18.584	ug/l	99
64) Tetrachloroethene	10.60	164	95258	19.200	ug/l	97
65) Chlorobenzene	11.40	112	216436	18.181	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.48	131	80115	18.011	ug/l	99
67) Ethyl Benzene	11.48	91	364023	17.343	ug/l	98
68) m/p-Xylenes	11.59	106	274494	34.959	ug/l	95
69) o-Xylene	11.92	106	129283	17.655	ug/l	97
70) Styrene	11.94	104	222642	17.335	ug/l	98
71) Bromoform	12.10	173	56863	18.087	ug/l #	99
73) Isopropylbenzene	12.22	105	330243	18.141	ug/l	99
74) N-amyl acetate	12.04	43	145428	17.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	96336	18.928	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	143631	25.999	ug/l #	100
77) Bromobenzene	12.50	156	88086	19.185	ug/l	94
78) n-propylbenzene	12.56	91	384574	18.140	ug/l	100
79) 2-Chlorotoluene	12.65	91	242108	17.843	ug/l	98
80) 1,3,5-Trimethylbenzene	12.70	105	280553	18.553	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	32975	16.441	ug/l	92
82) 4-Chlorotoluene	12.74	91	257997	17.832	ug/l	98
83) tert-Butylbenzene	12.96	119	214889	18.369	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	284675	18.445	ug/l	99
85) sec-Butylbenzene	13.14	105	285406	18.304	ug/l	97
86) p-Isopropyltoluene	13.26	119	255447	17.813	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	156352	18.690	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	157506	18.339	ug/l	98
89) n-Butylbenzene	13.59	91	224320	16.756	ug/l	99
90) Hexachloroethane	13.85	117	45796	19.317	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	153334	18.754	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21847	16.358	ug/l	92

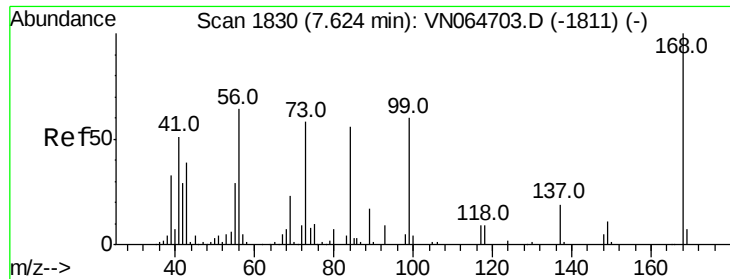
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	77652	18.321	ug/l	98
94) Hexachlorobutadiene	14.98	225	35256	19.046	ug/l	98
95) Naphthalene	15.10	128	240434	16.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	74724	18.009	ug/l	99

(#) = 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: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

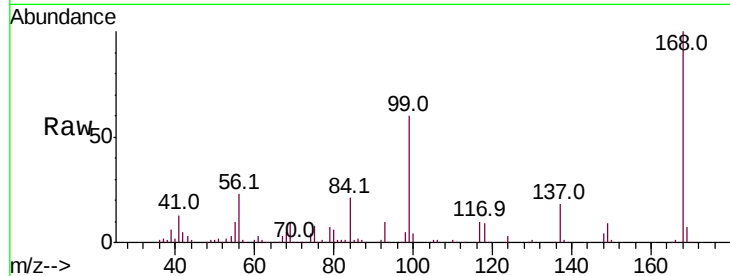
VN1119WBSD02

Tot Ion:168 Resp: 347344

Ion Ratio Lower Upper

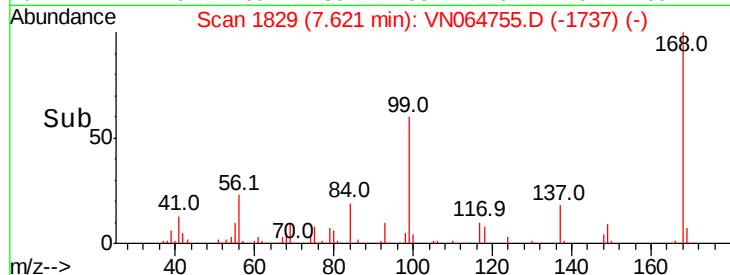
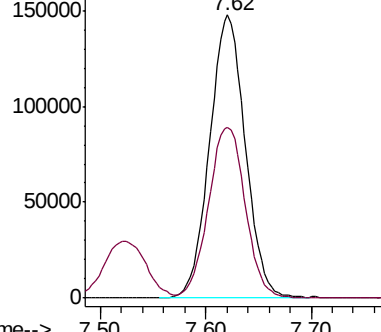
168 100

99 60.2 55.7 83.5

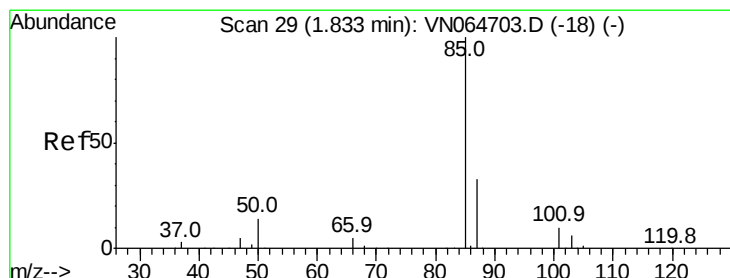


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



Time-->



#2

Dichlorodifluoromethane

Concen: 15.348 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064755.D

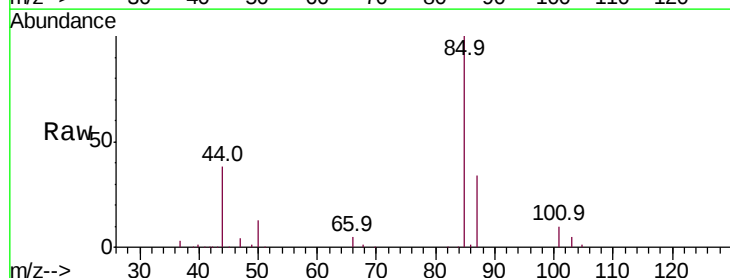
Acq: 20 Nov 2020 3:07

Tgt Ion: 85 Resp: 66611

Ion Ratio Lower Upper

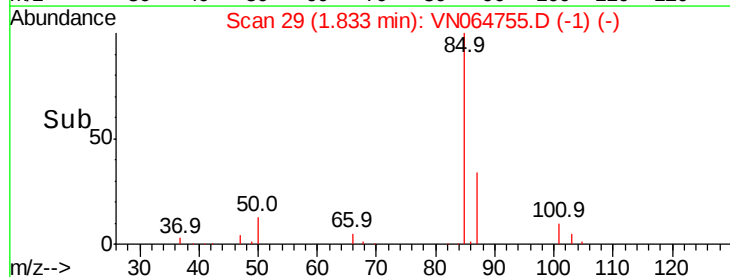
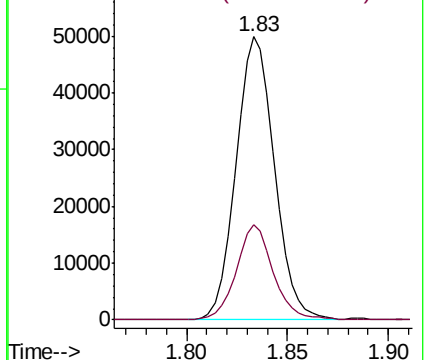
85 100

87 33.7 16.4 49.2

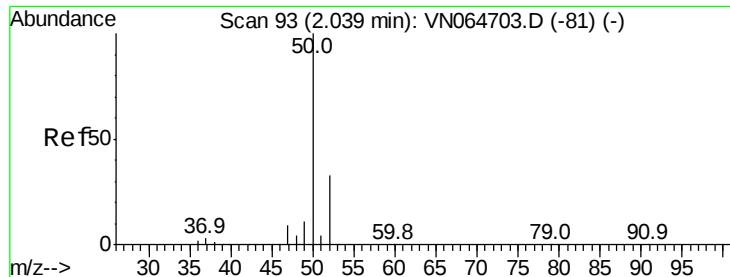


Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN



Time-->



#3

Chloromethane

Concen: 19.102 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

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ClientSampleId :

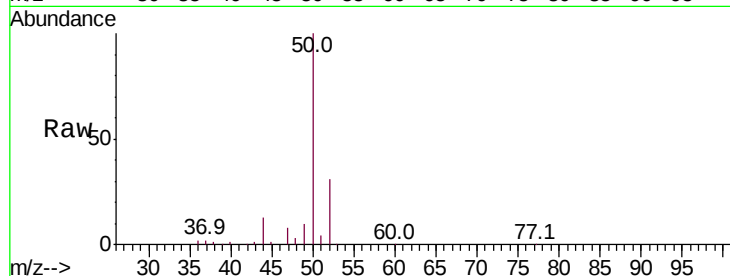
VN1119WBSD02

Tot Ion: 50 Resp: 91676

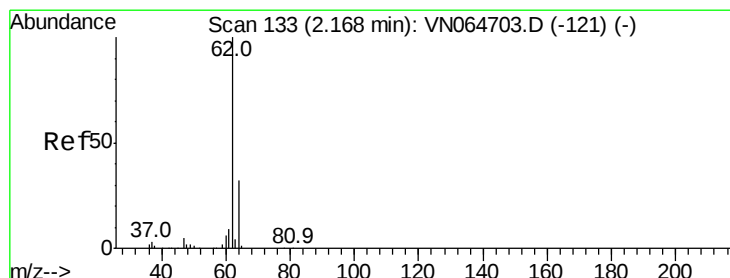
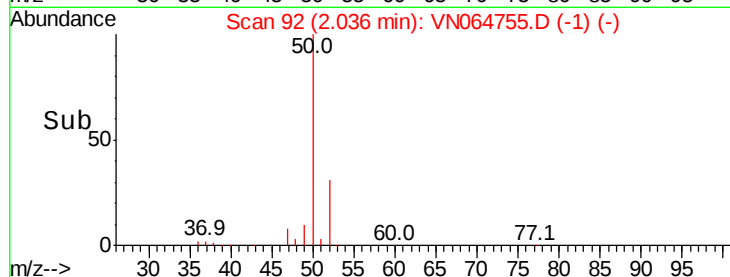
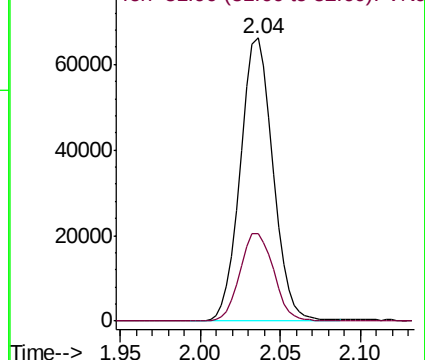
Ion Ratio Lower Upper

50 100

52 30.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.703 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064755.D

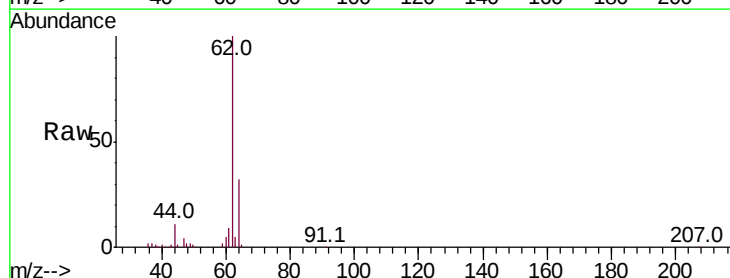
Acq: 20 Nov 2020 3:07

Tgt Ion: 62 Resp: 88652

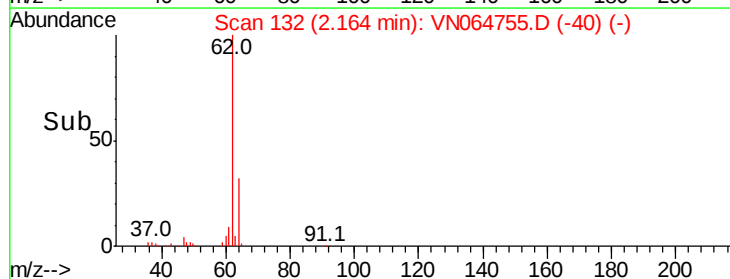
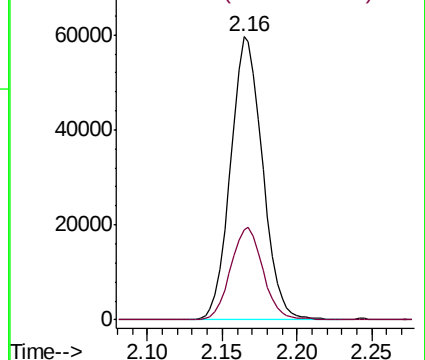
Ion Ratio Lower Upper

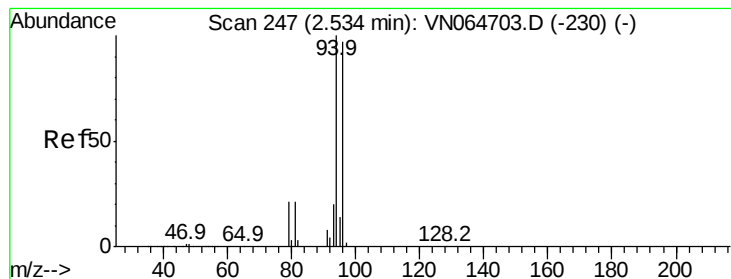
62 100

64 31.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 15.947 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

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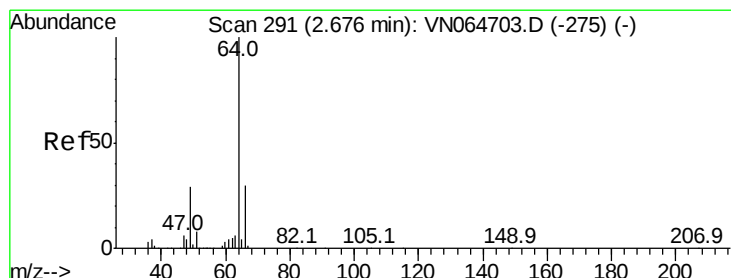
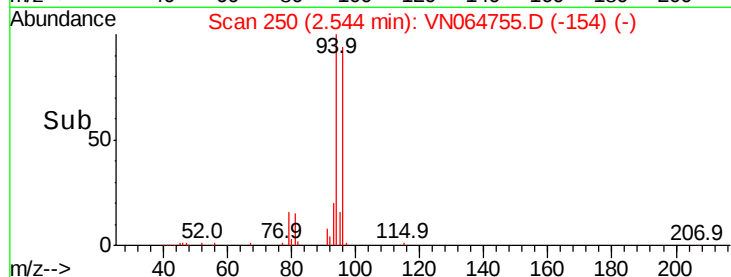
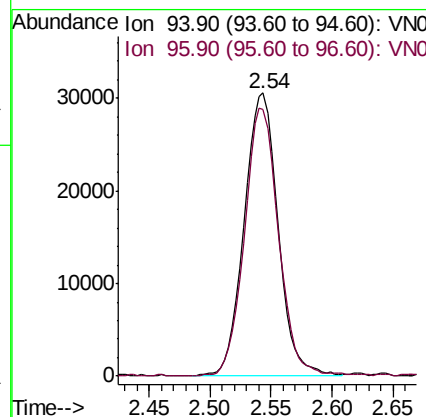
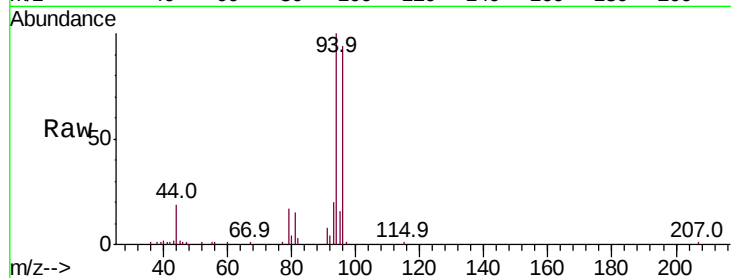
VN1119WBSD02

Tot Ion: 94 Resp: 58557

Ion Ratio Lower Upper

94 100

96 94.3 77.8 116.8



#6

Chloroethane

Concen: 16.620 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064755.D

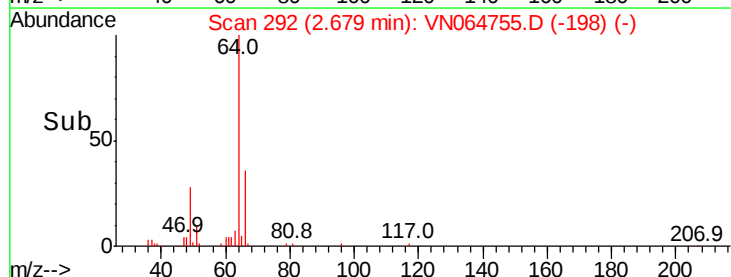
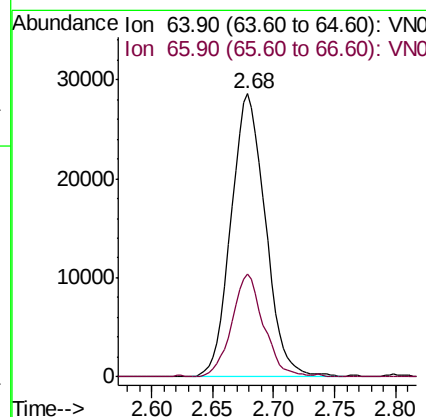
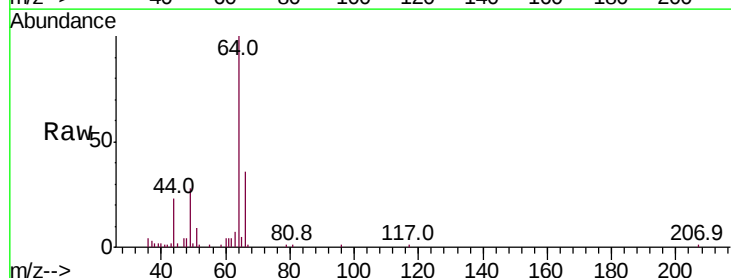
Acq: 20 Nov 2020 3:07

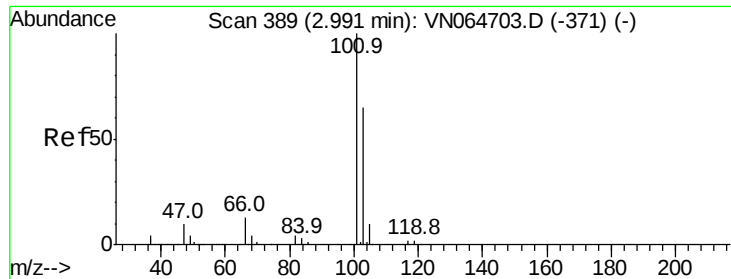
Tgt Ion: 64 Resp: 56155

Ion Ratio Lower Upper

64 100

66 36.2 24.2 36.2#



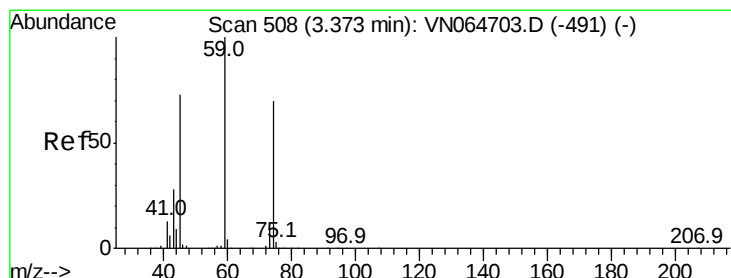
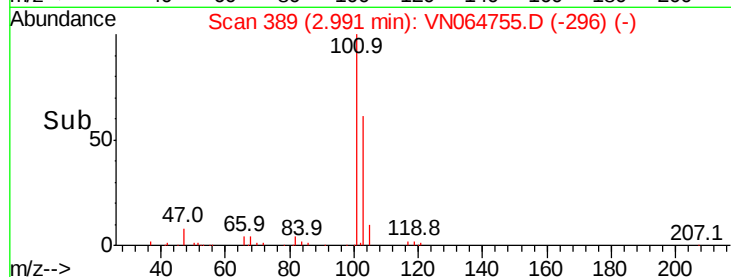
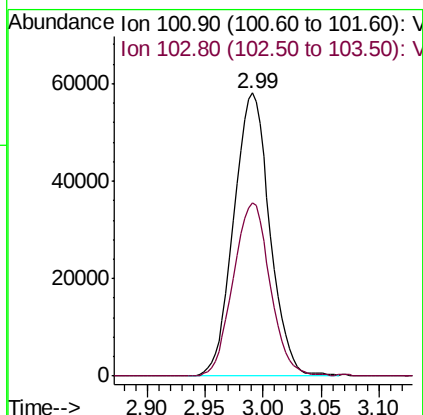
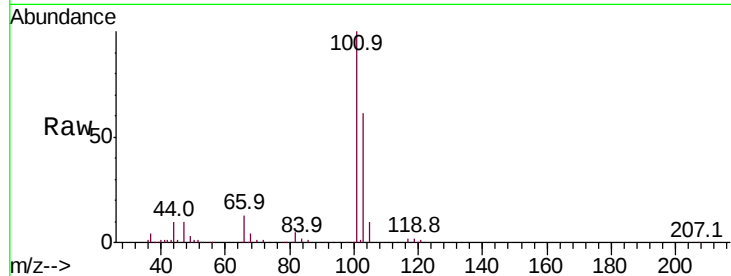


#7

Trichlorofluoromethane
 Concen: 13.979 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

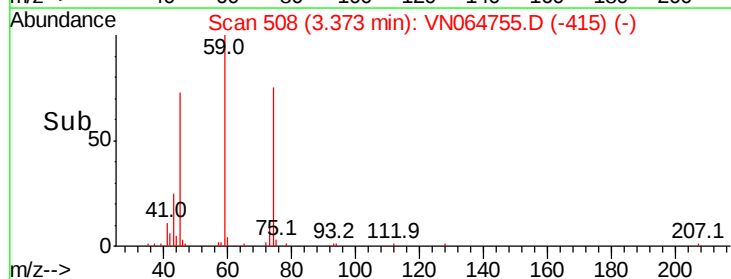
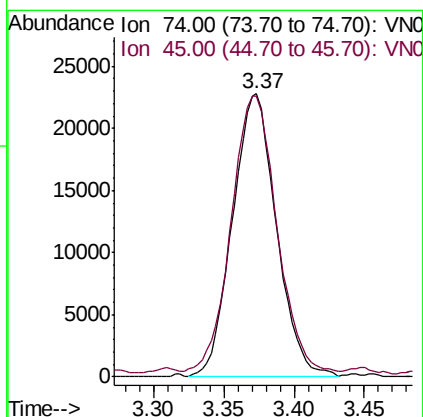
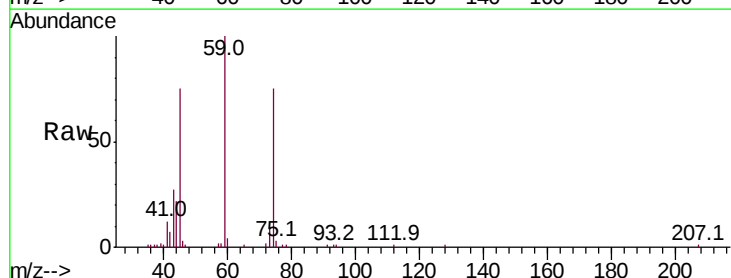
Tot Ion:101 Resp: 125371
 Ion Ratio Lower Upper
 101 100
 103 61.0 51.8 77.6

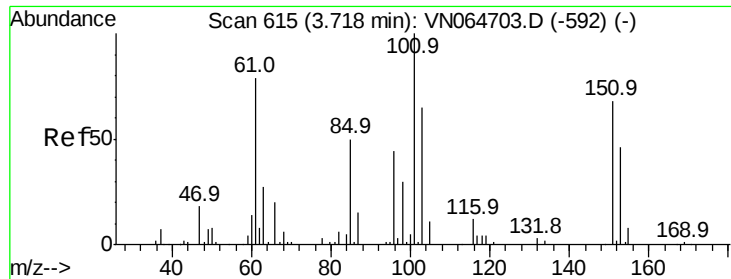


#8

Diethyl Ether
 Concen: 17.179 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion: 74 Resp: 49714
 Ion Ratio Lower Upper
 74 100
 45 100.0 52.8 158.5

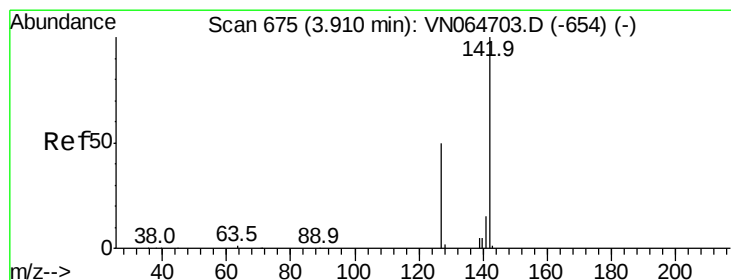
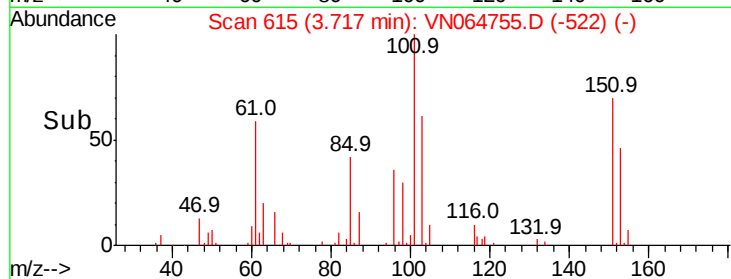
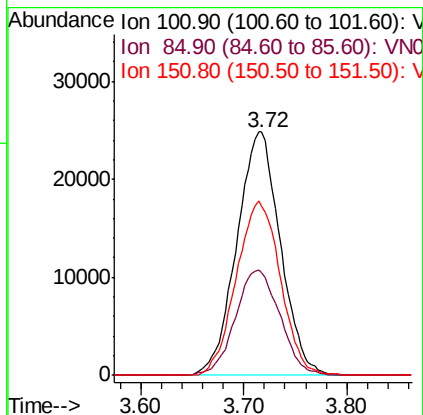
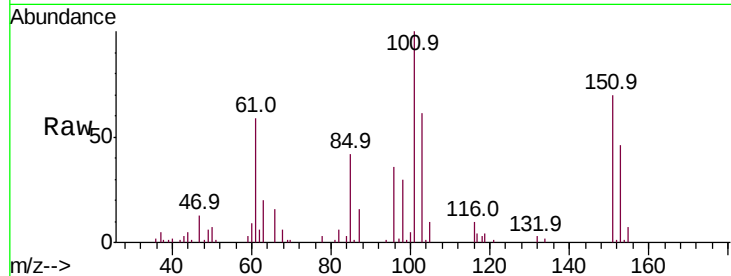




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.807 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

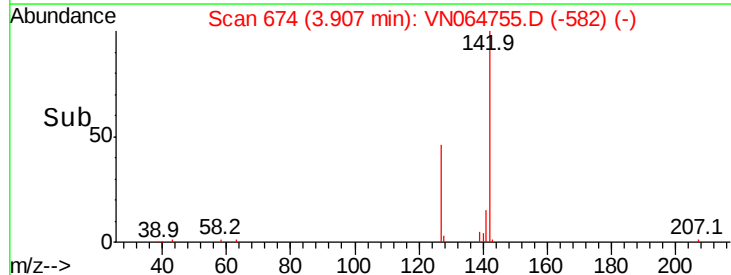
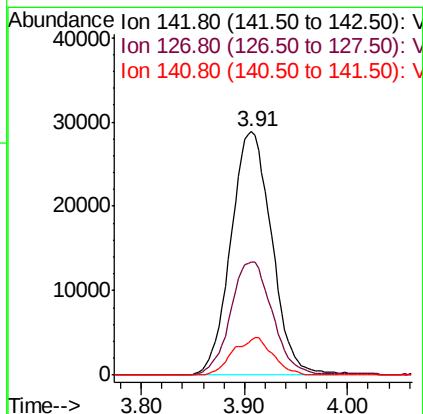
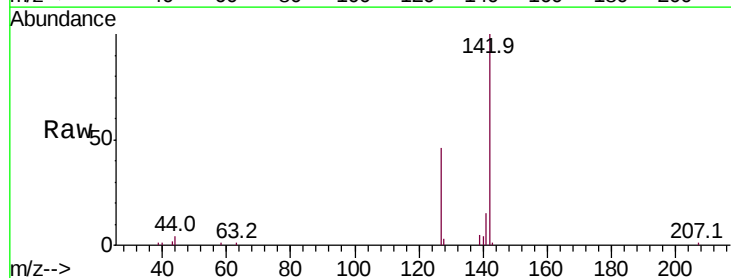
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

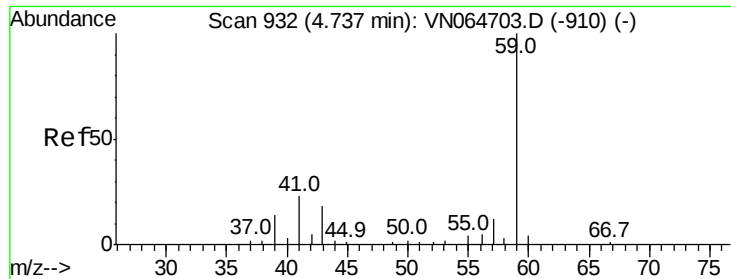
Tot Ion:101 Resp: 72893
 Ion Ratio Lower Upper
 101 100
 85 44.3 39.0 58.4
 151 72.5 57.2 85.8



#10
 Methyl Iodide
 Concen: 17.147 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion:142 Resp: 79446
 Ion Ratio Lower Upper
 142 100
 127 47.6 42.0 63.0
 141 15.0 12.1 18.1

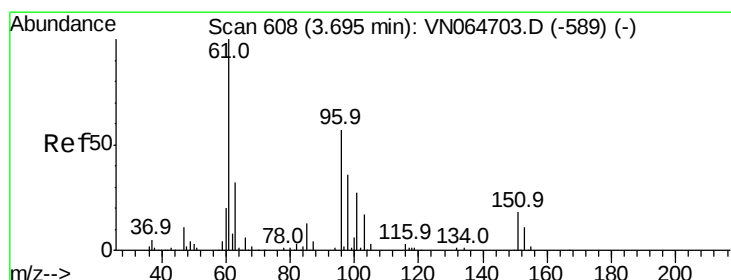
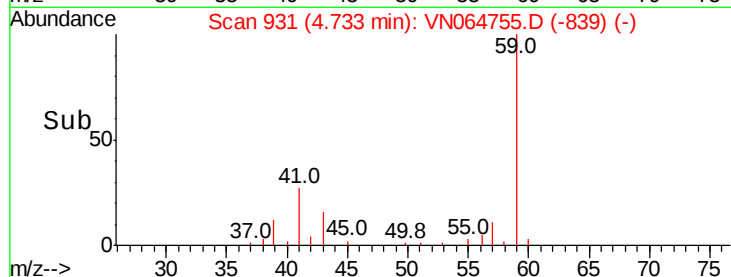
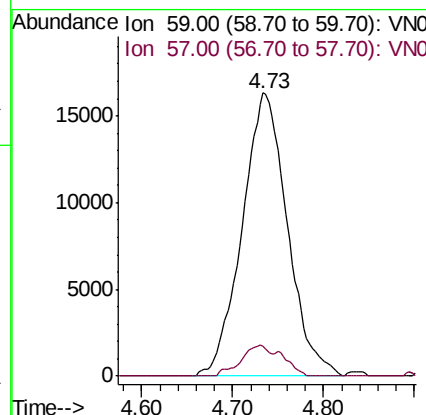
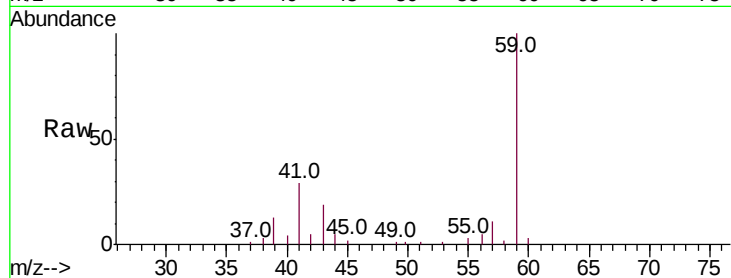




#11
Tert butyl alcohol
Concen: 94.979 ug/l
RT: 4.73 min Scan# 931
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

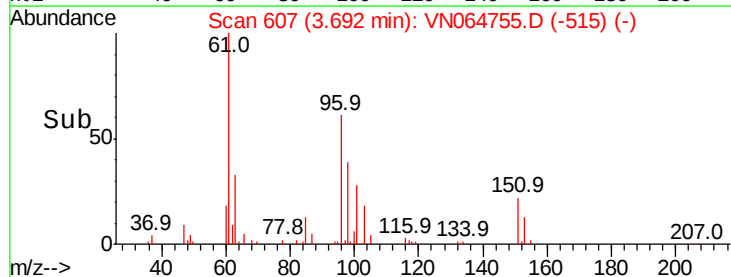
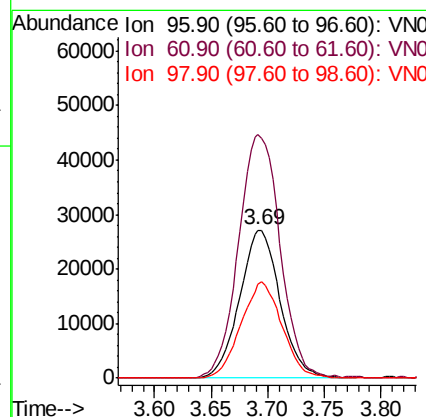
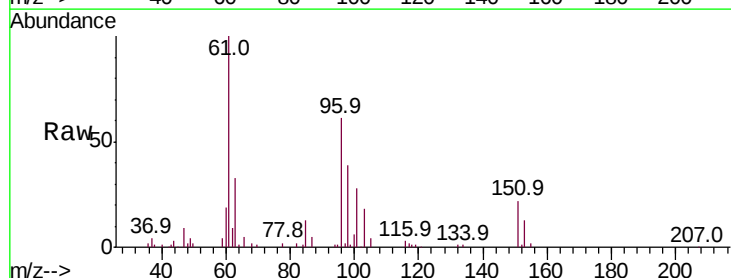
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

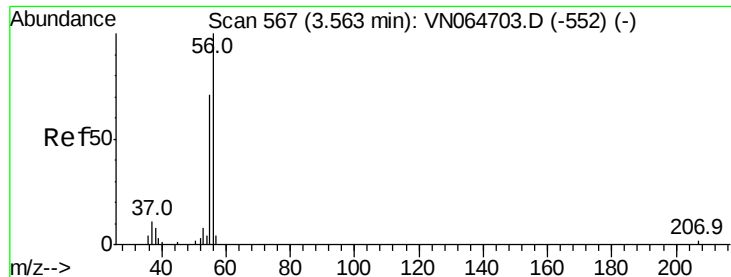
Tot Ion: 59 Resp: 56304
Ion Ratio Lower Upper
59 100
57 7.3 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 18.119 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 96 Resp: 67664
Ion Ratio Lower Upper
96 100
61 164.6 139.1 208.7
98 63.7 50.2 75.2





#13

Acrolein

Concen: 99.244 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

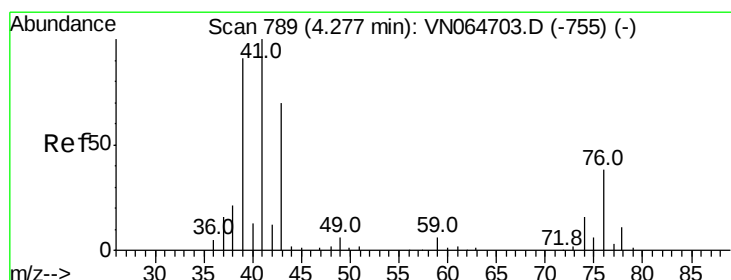
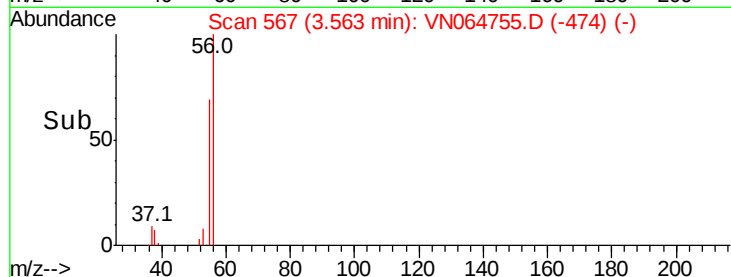
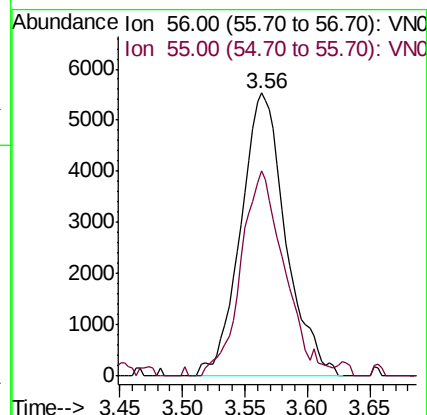
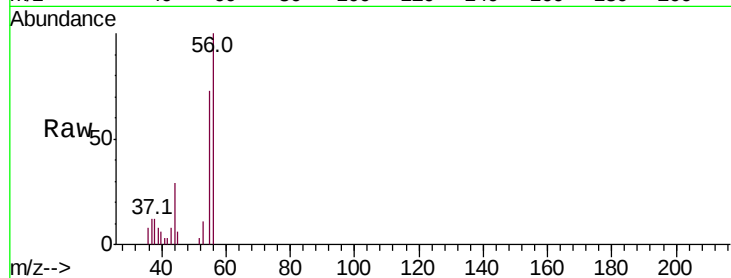
VN1119WBSD02

Tot Ion: 56 Resp: 13774

Ion Ratio Lower Upper

56 100

55 70.5 61.8 92.6



#14

Allyl chloride

Concen: 19.125 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

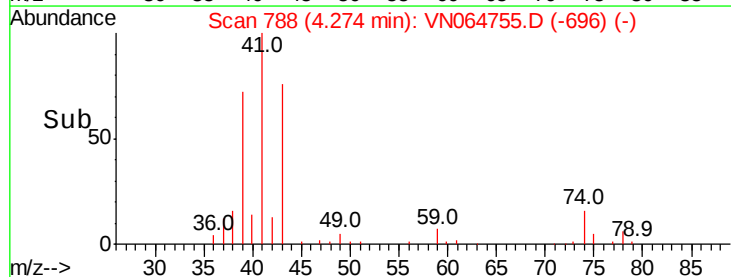
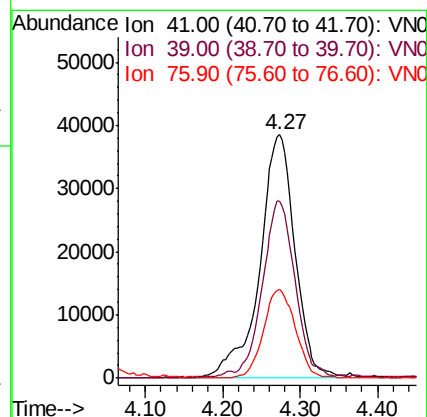
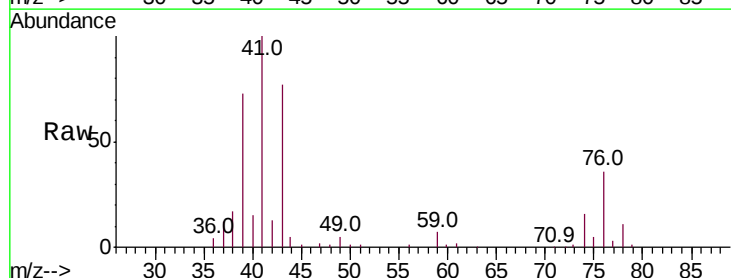
Tgt Ion: 41 Resp: 122632

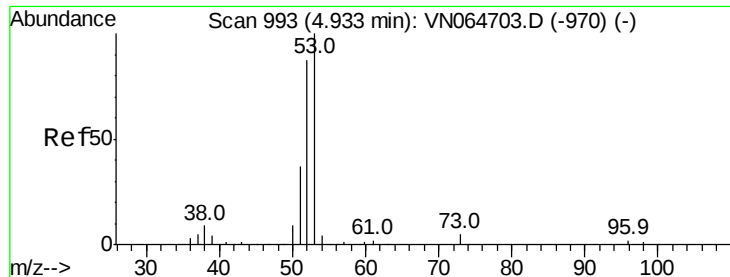
Ion Ratio Lower Upper

41 100

39 65.1 66.1 99.1#

76 32.8 26.6 40.0





#15

Acrylonitrile

Concen: 102.915 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

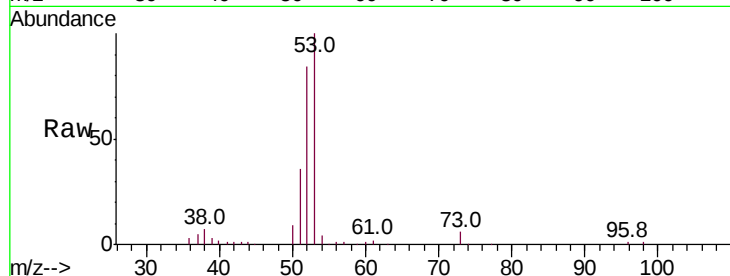
Tot Ion: 53 Resp: 179141

Ion Ratio Lower Upper

53 100

52 81.8 67.2 100.8

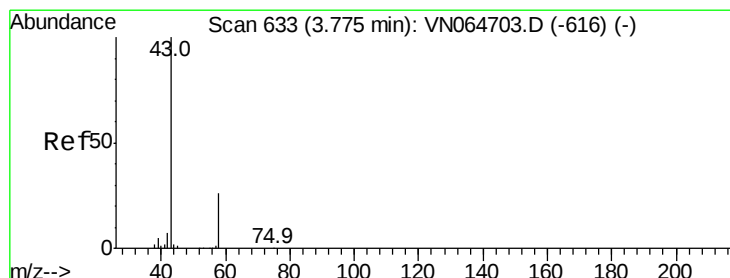
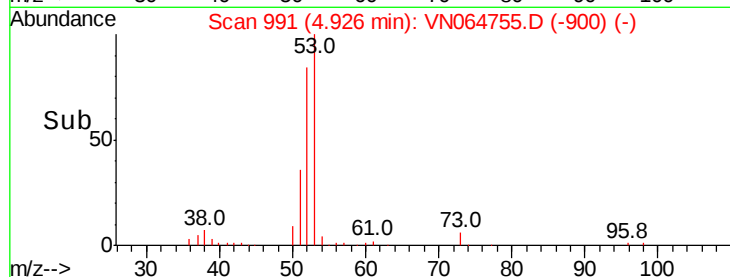
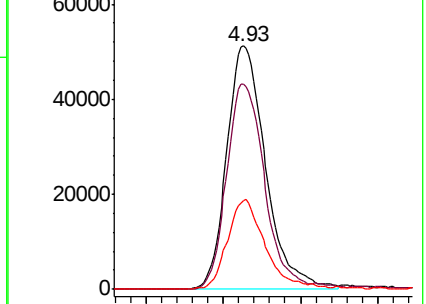
51 35.8 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VN064703.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064703.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064703.D (-970) (-)



#16

Acetone

Concen: 110.216 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064755.D

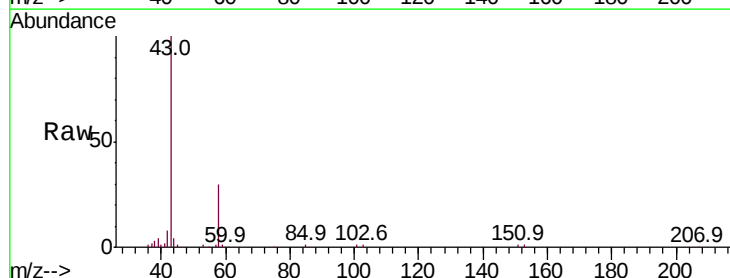
Acq: 20 Nov 2020 3:07

Tgt Ion: 43 Resp: 158669

Ion Ratio Lower Upper

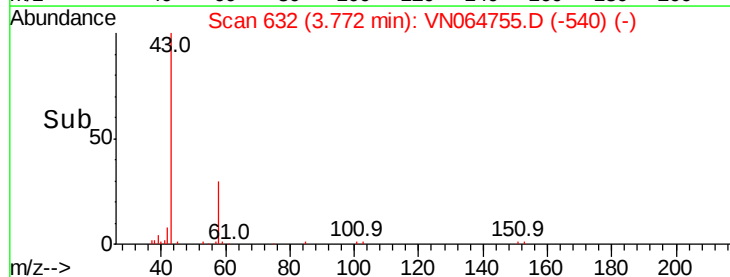
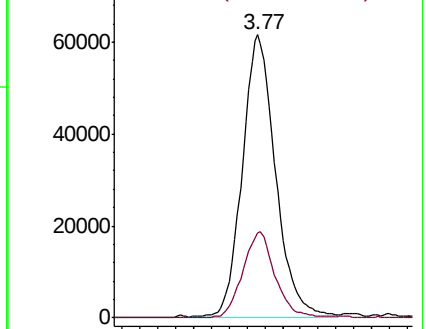
43 100

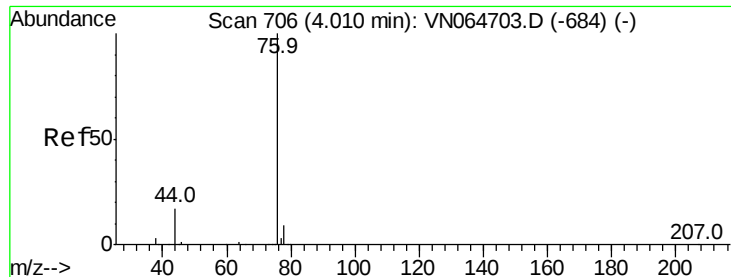
58 30.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN064703.D (-616) (-)

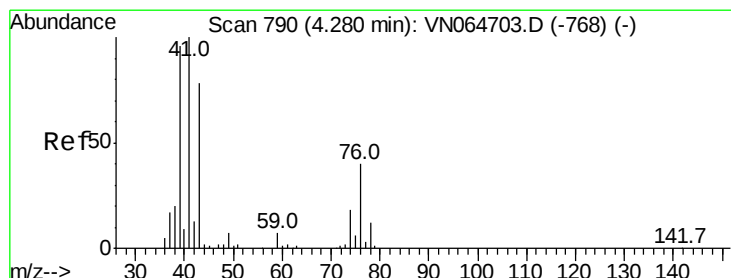
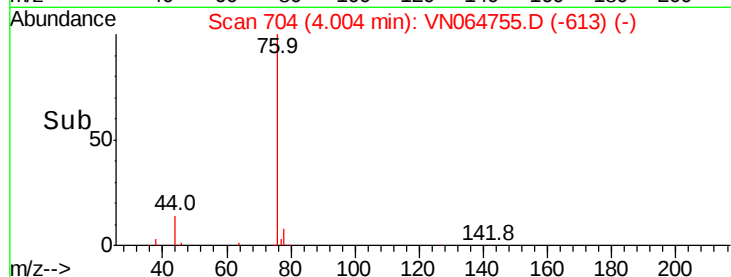
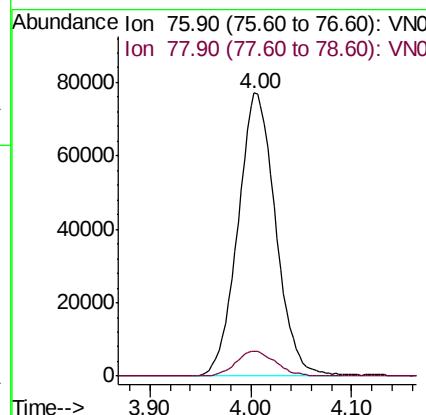
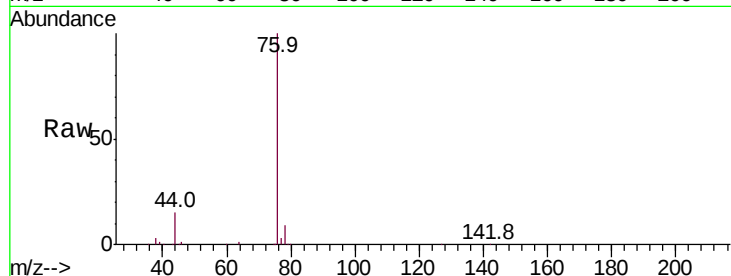




#17
Carbon Disulfide
Concen: 18.504 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

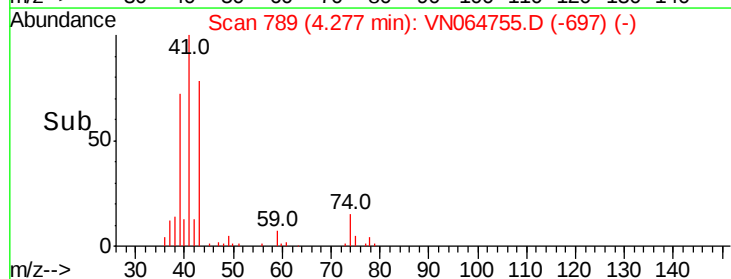
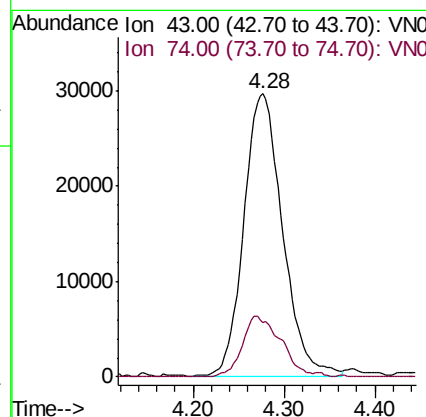
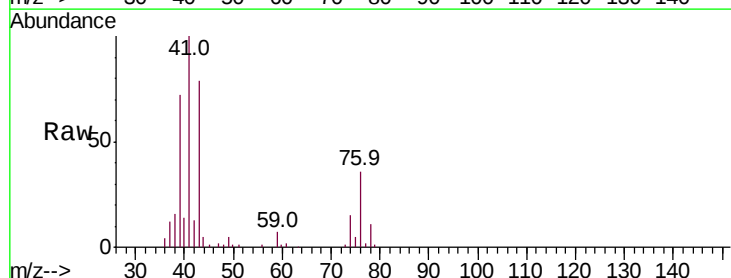
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

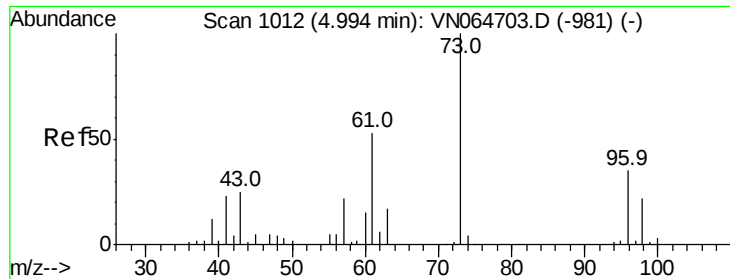
Tot Ion: 76 Resp: 200052
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 20.482 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 43 Resp: 88213
Ion Ratio Lower Upper
43 100
74 21.2 17.6 26.4

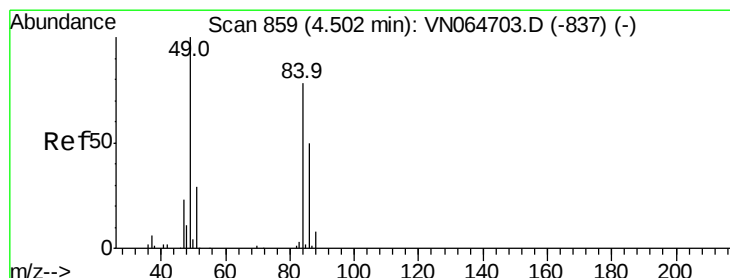
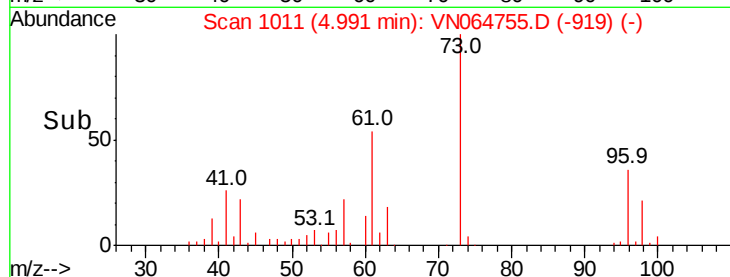
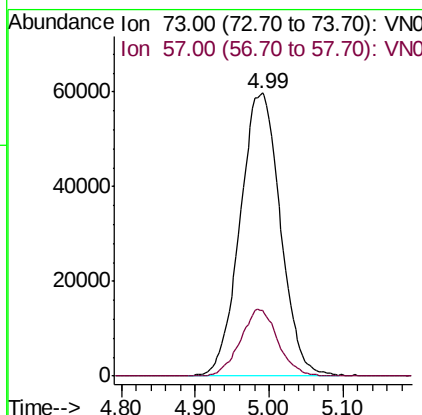
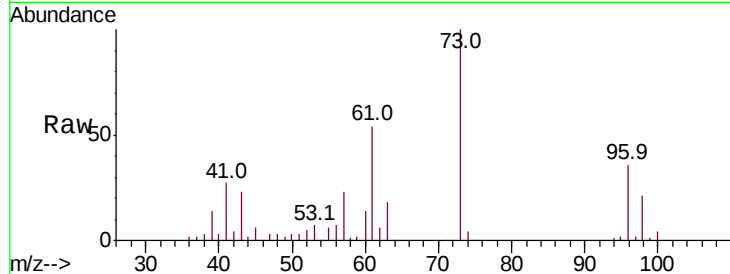




#19
Methyl tert-butyl Ether
Concen: 18.220 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

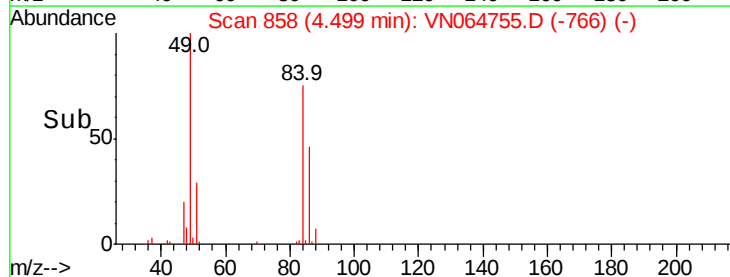
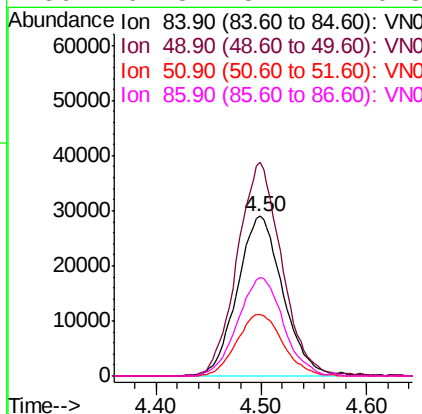
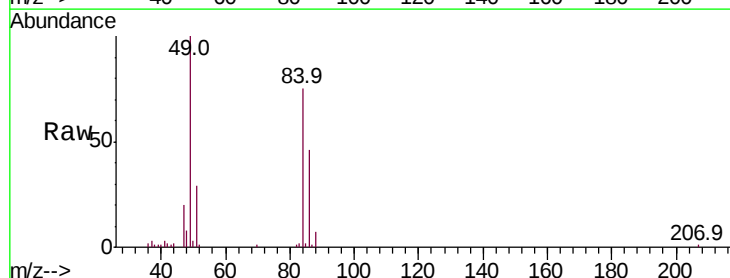
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

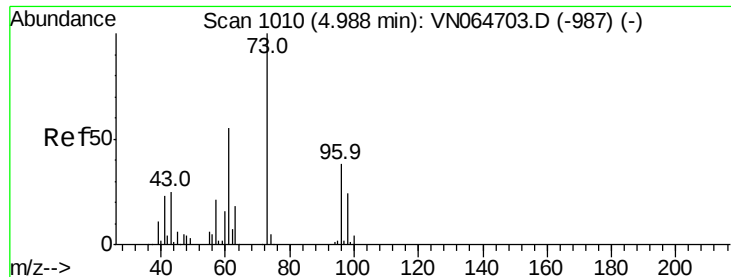
Tot Ion: 73 Resp: 227668
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9



#20
Methylene Chloride
Concen: 19.193 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 84 Resp: 86843
Ion Ratio Lower Upper
84 100
49 133.0 102.4 153.6
51 38.2 29.4 44.2
86 61.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.204 ug/l

RT: 4.98 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

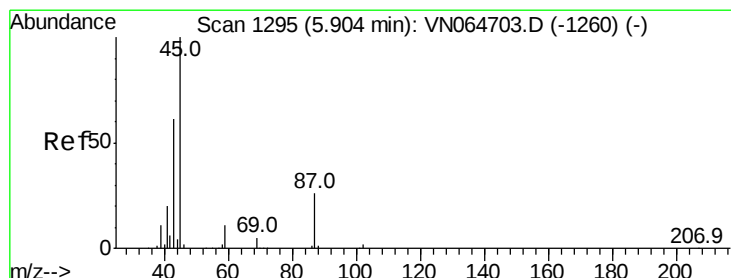
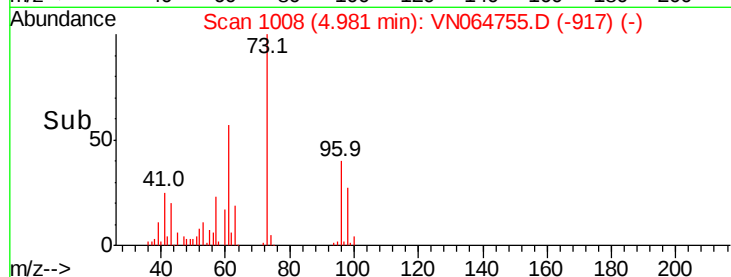
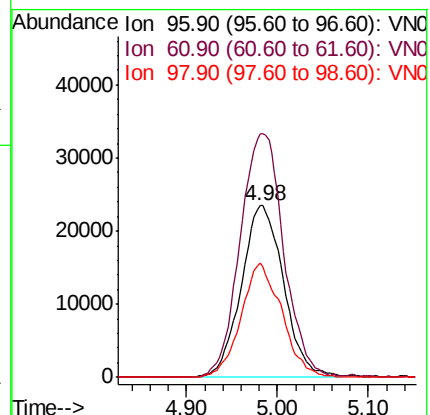
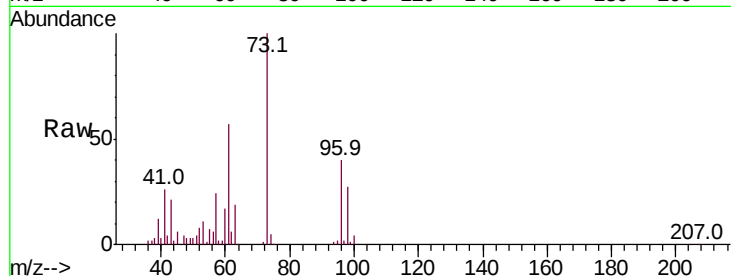
Tot Ion: 96 Resp: 75852

Ion Ratio Lower Upper

96 100

61 141.4 117.9 176.9

98 66.5 51.1 76.7



#22

Diisopropyl ether

Concen: 19.815 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Tgt Ion: 45 Resp: 268320

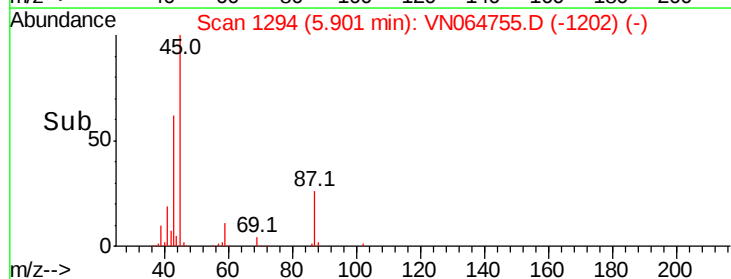
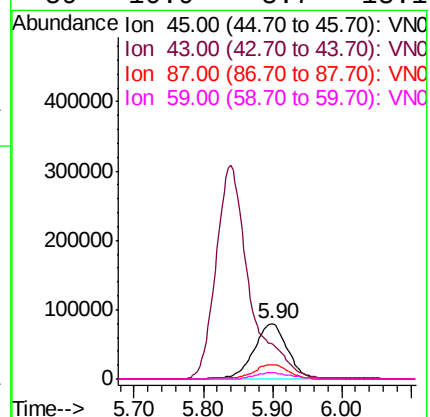
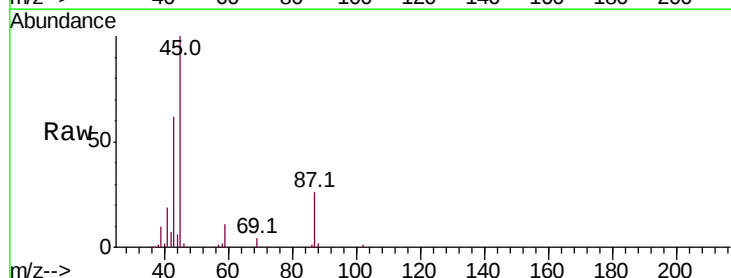
Ion Ratio Lower Upper

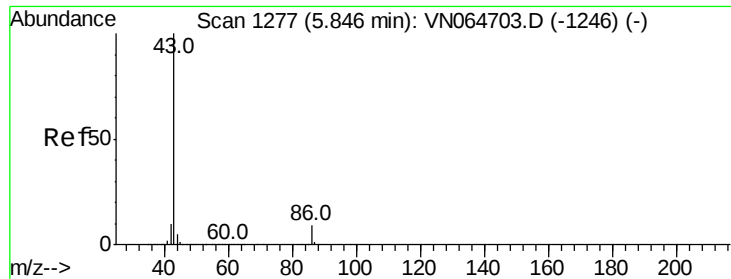
45 100

43 59.8 52.3 78.5

87 25.8 21.6 32.4

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 95.686 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

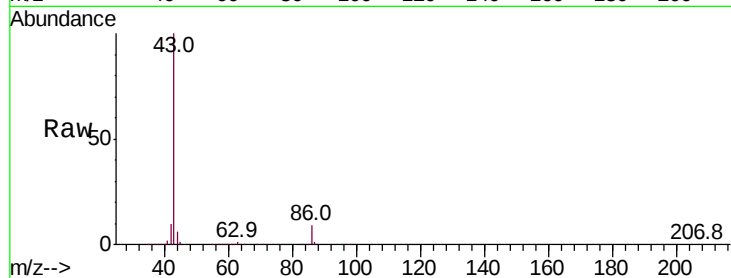
VN1119WBSD02

Tot Ion: 43 Resp: 1045679

Ion Ratio Lower Upper

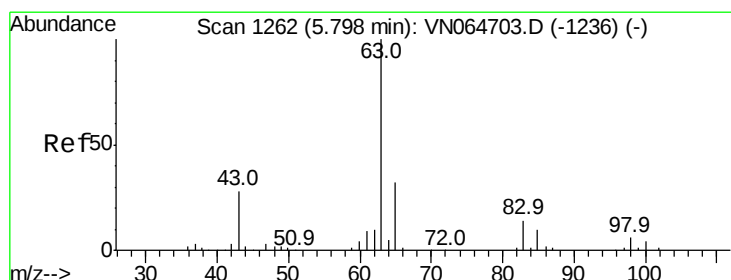
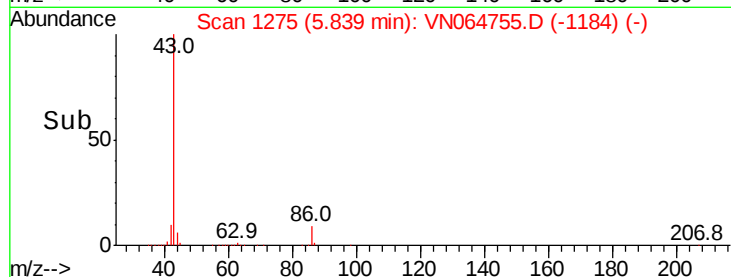
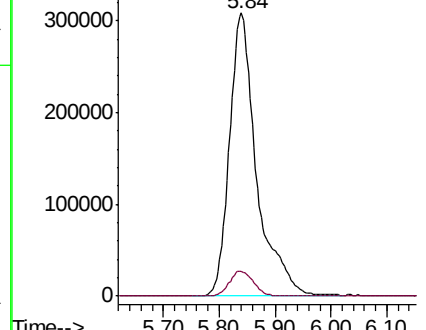
43 100

86 8.7 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN064703.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 19.065 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

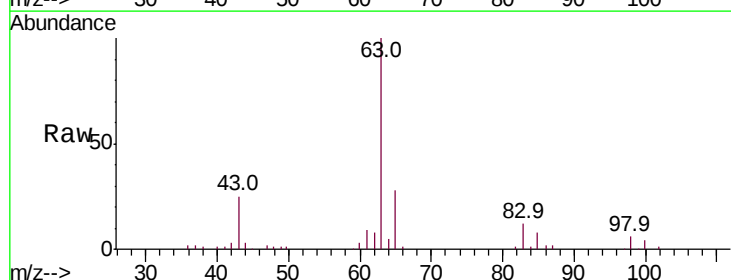
Tgt Ion: 63 Resp: 151251

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

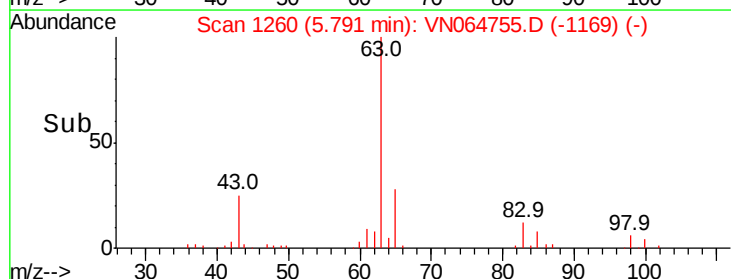
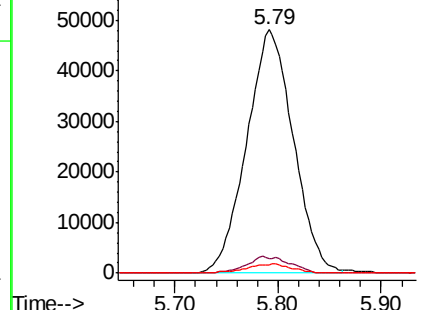
100 3.5 1.9 5.7

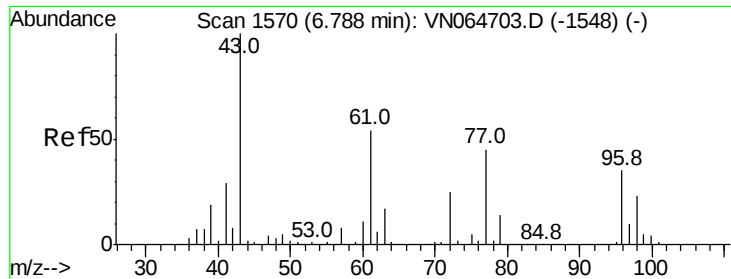


Abundance Ion 62.90 (62.60 to 63.60): VN064703.D (-1236) (-)

Ion 97.90 (97.60 to 98.60): VN064703.D (-1236) (-)

Ion 99.90 (99.60 to 100.60): VN064703.D (-1236) (-)

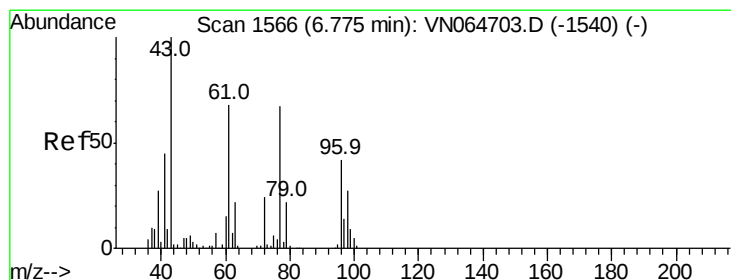
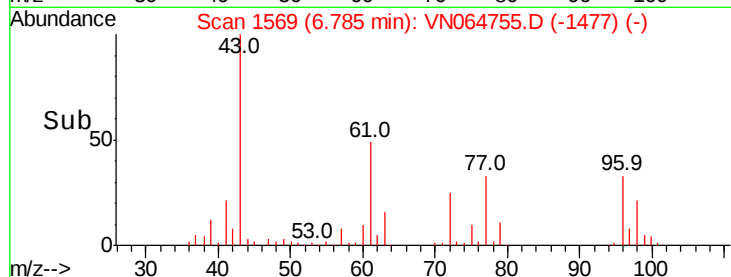
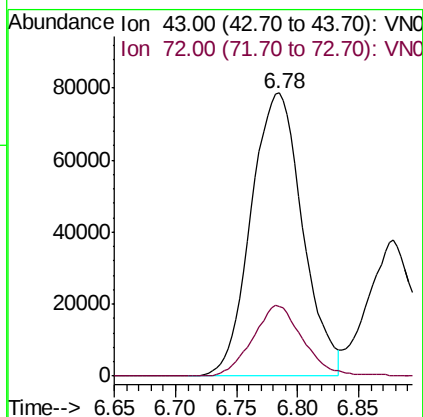
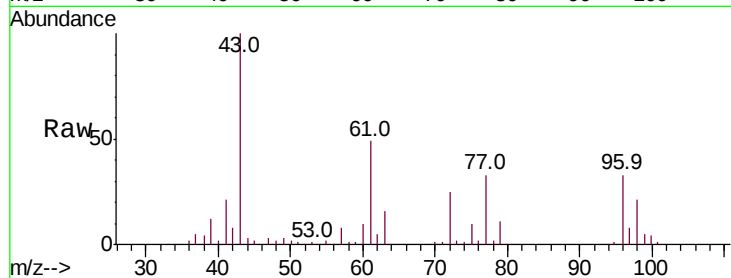




#25
2-Butanone
Concen: 98.792 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

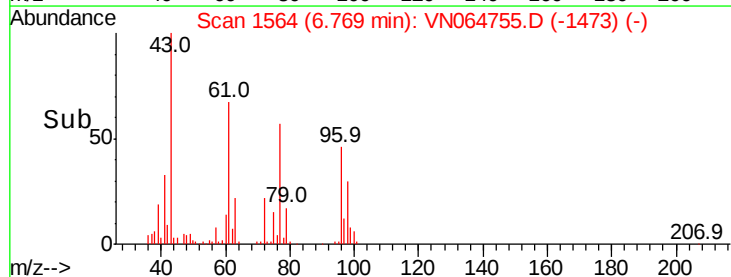
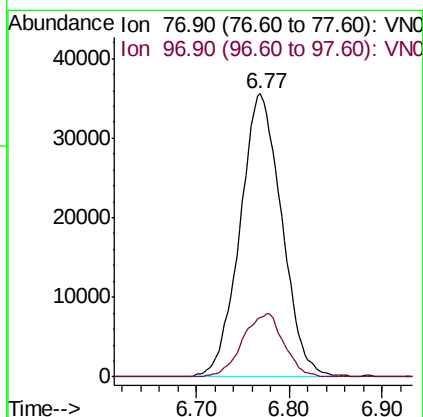
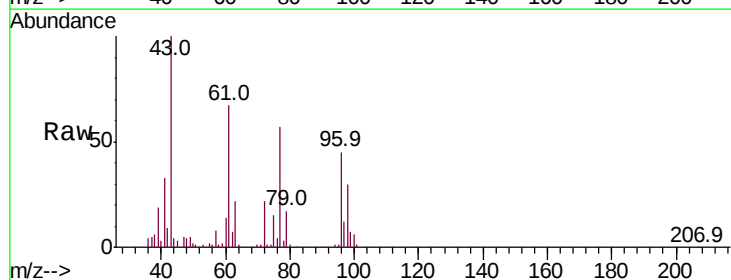
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

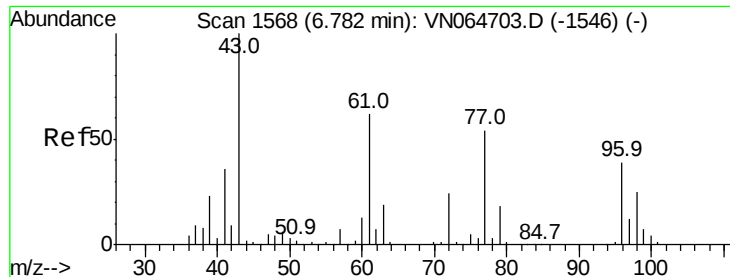
Tot Ion: 43 Resp: 230790
Ion Ratio Lower Upper
43 100
72 24.8 19.7 29.5



#26
2,2-Dichloropropane
Concen: 14.749 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 77 Resp: 111188
Ion Ratio Lower Upper
77 100
97 22.0 10.5 31.5

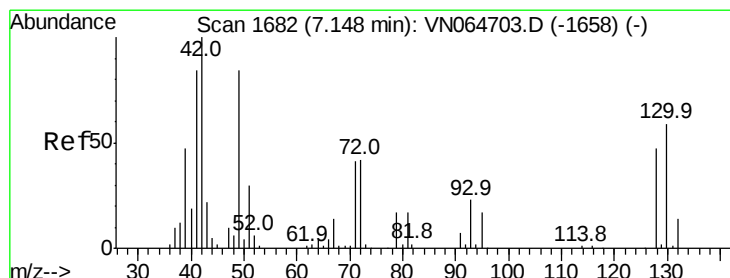
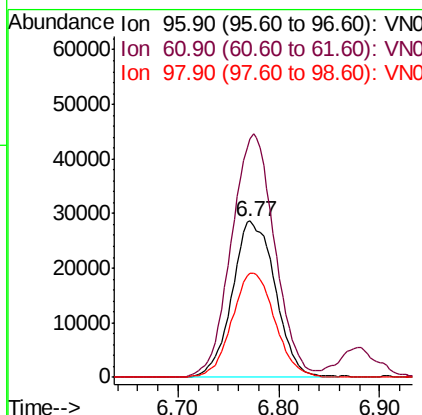
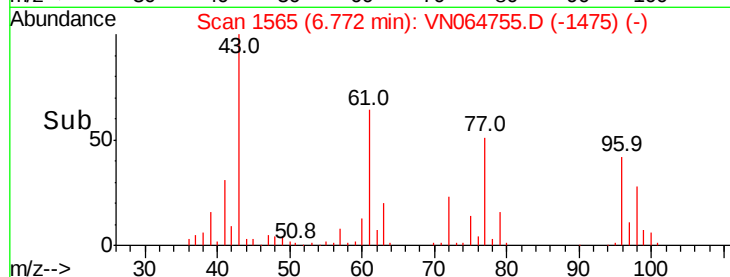
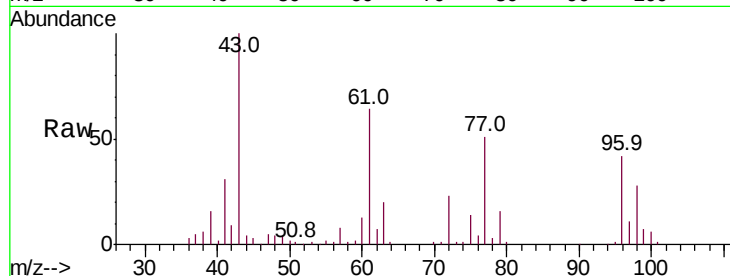




#27
 cis-1,2-Dichloroethene
 Concen: 18.501 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

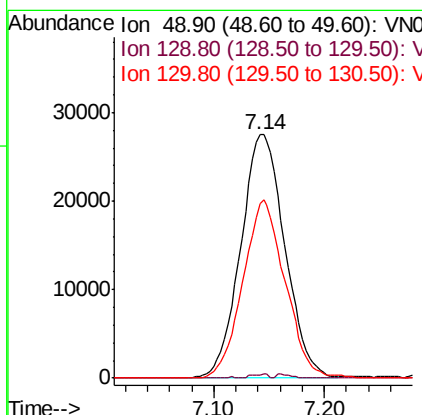
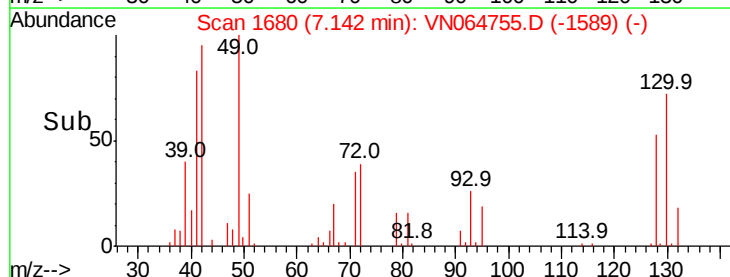
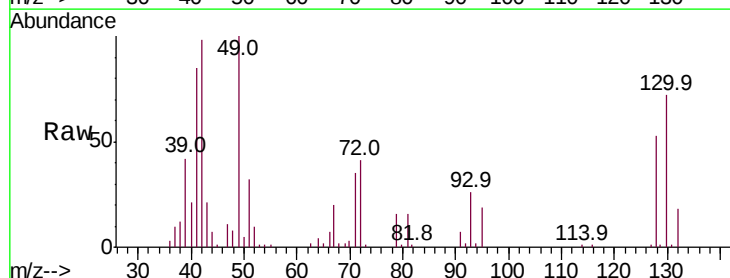
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

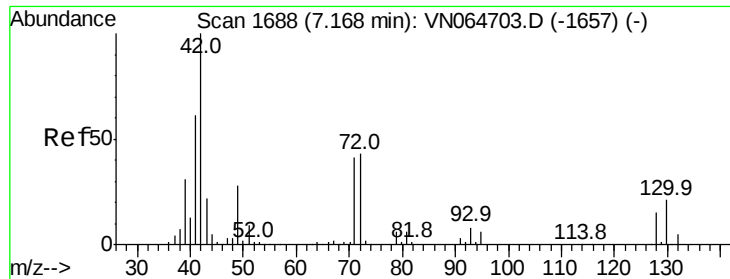
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	322.6
98	66.3	0.0	128.6



#28
 Bromochloromethane
 Concen: 19.070 ug/l
 RT: 7.14 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.8
130	70.0	56.2	84.4





#29

Tetrahydrofuran

Concen: 97.868 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

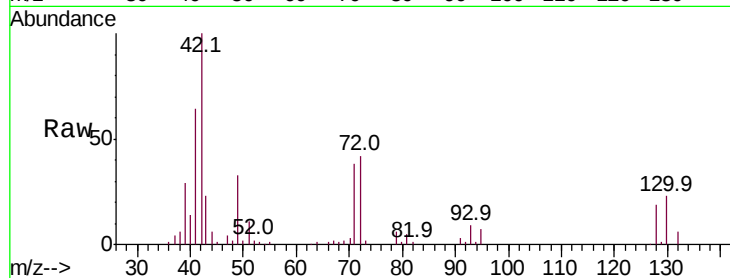
Tot Ion: 42 Resp: 154478

Ion Ratio Lower Upper

42 100

72 41.3 33.0 49.4

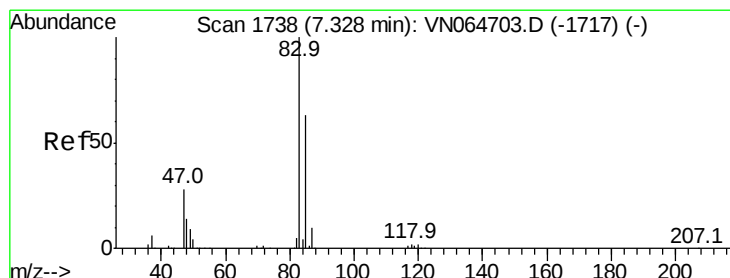
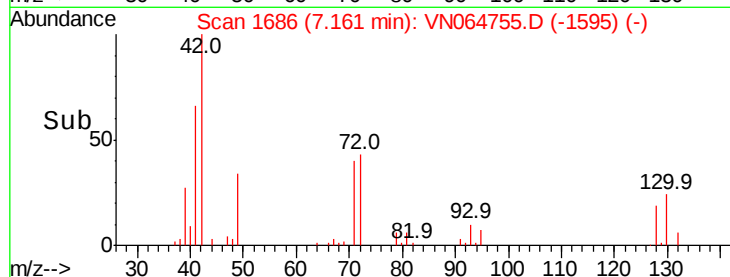
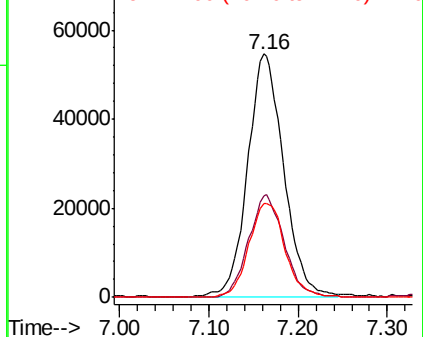
71 38.5 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 17.770 ug/l

RT: 7.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN064755.D

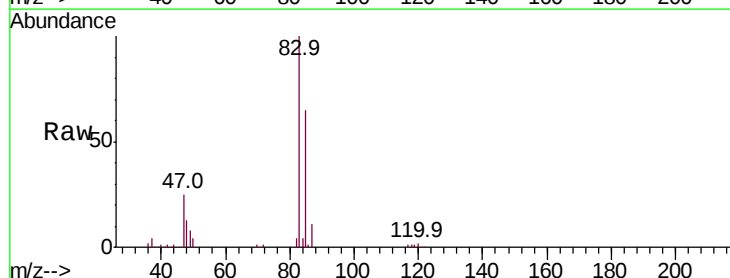
Acq: 20 Nov 2020 3:07

Tgt Ion: 83 Resp: 153200

Ion Ratio Lower Upper

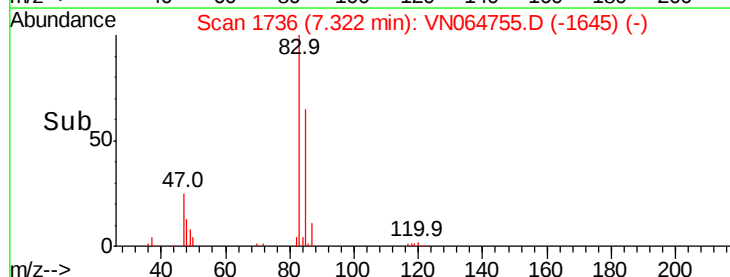
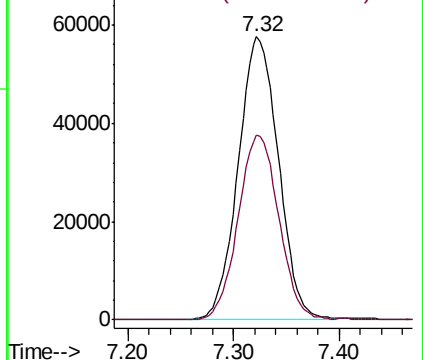
83 100

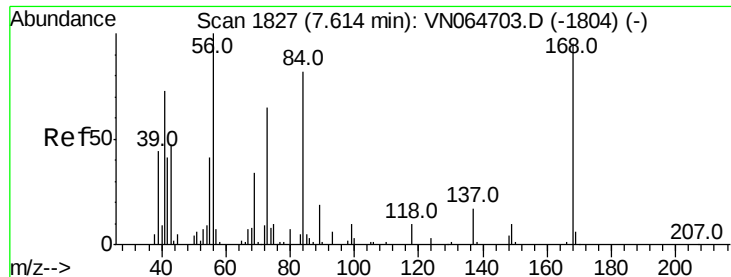
85 65.3 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

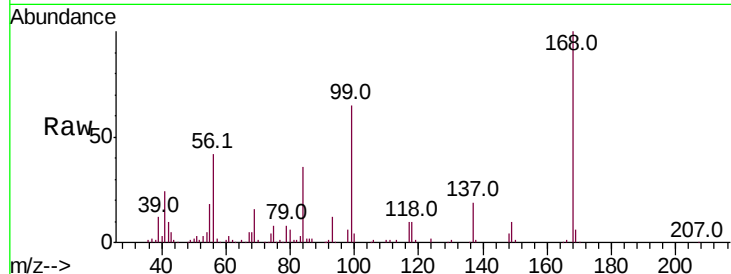




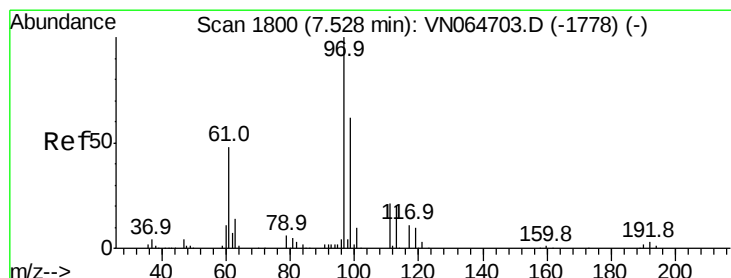
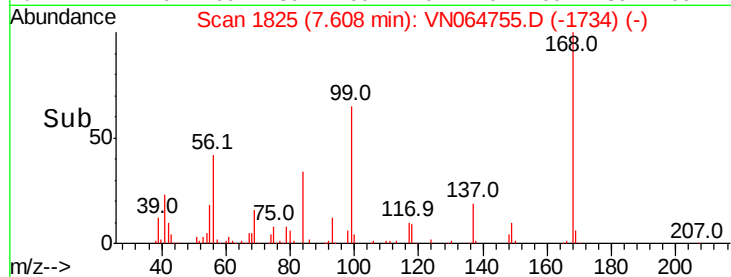
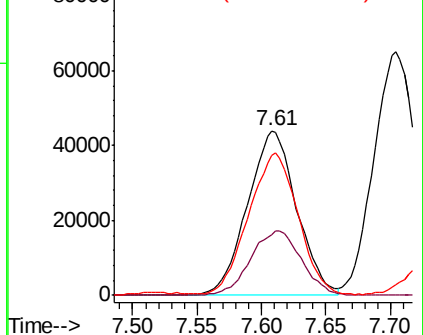
#31
Cyclohexane
Concen: 17.716 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

Tot Ion: 56 Resp: 117030
Ion Ratio Lower Upper
56 100
69 37.0 27.2 40.8
84 83.9 65.9 98.9

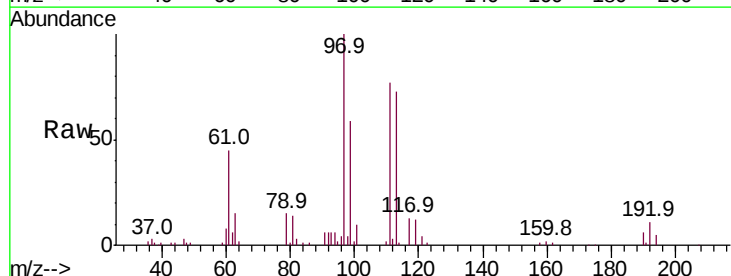


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

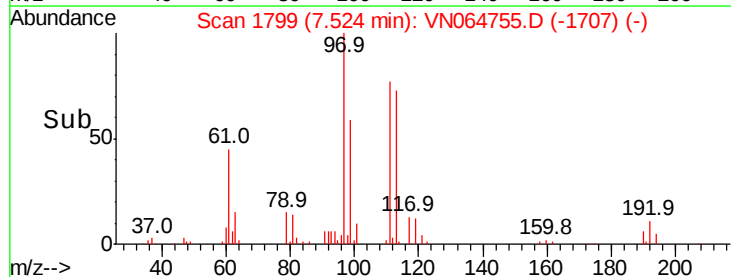
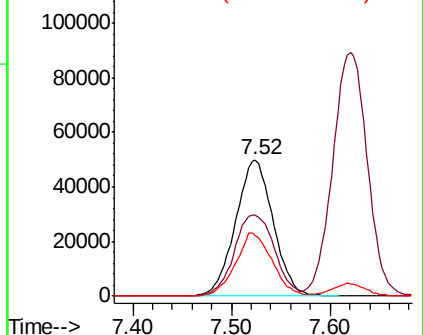


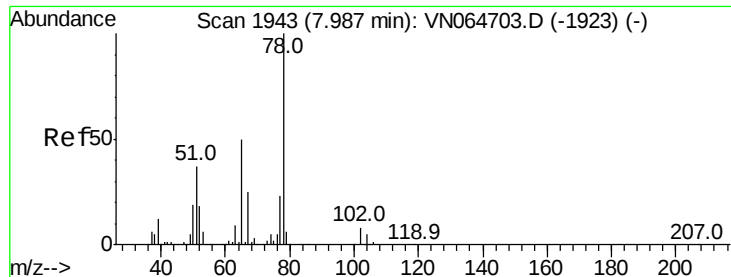
#32
1,1,1-Trichloroethane
Concen: 16.765 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 97 Resp: 132111
Ion Ratio Lower Upper
97 100
99 63.7 50.6 76.0
61 44.7 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 42.404 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

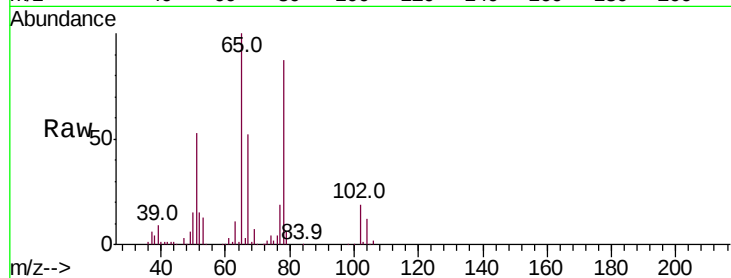
VN1119WBSD02

Tot Ion: 65 Resp: 259105

Ion Ratio Lower Upper

65 100

67 53.2 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN064703.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064703.D (-1923) (-)

7.98

120000

100000

80000

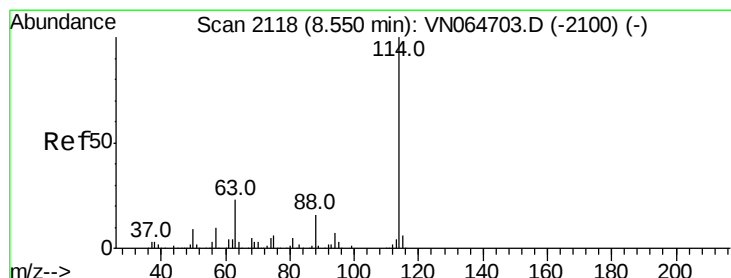
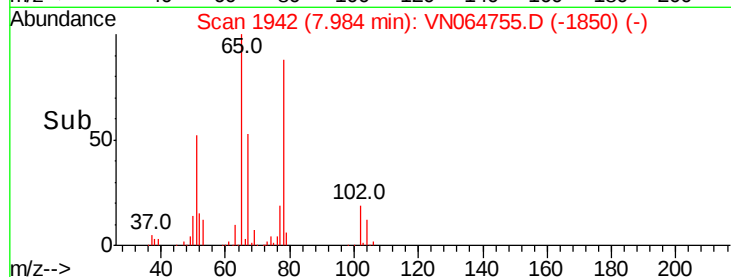
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

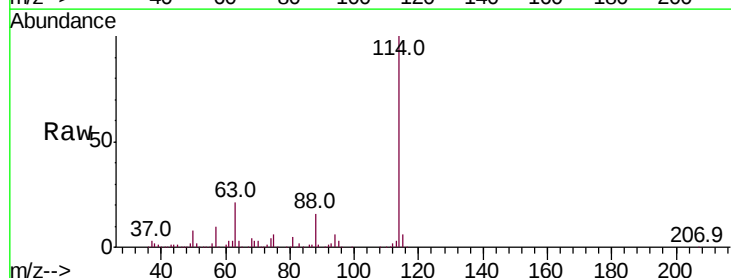
Tgt Ion: 114 Resp: 603078

Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.0

88 16.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN064703.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064703.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064703.D (-2100) (-)

8.55

400000

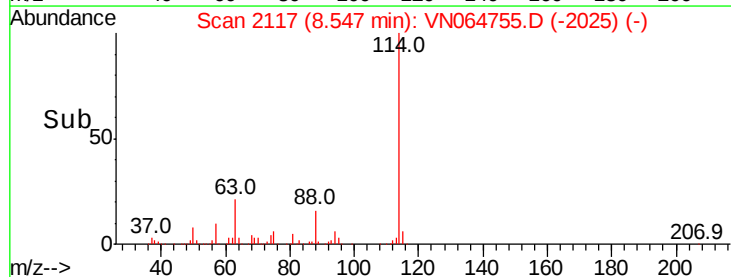
300000

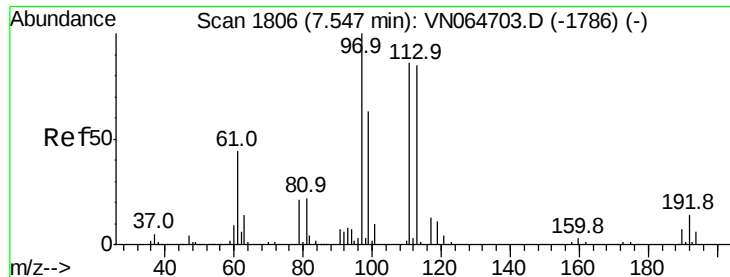
200000

100000

0

Time-->

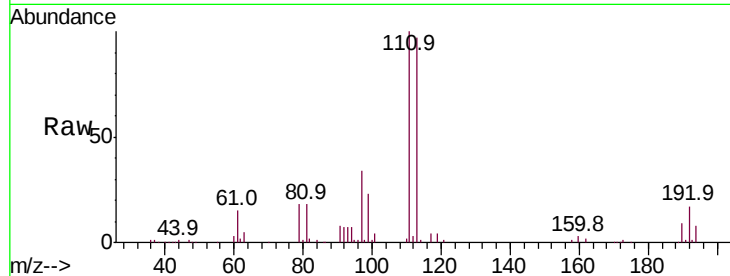




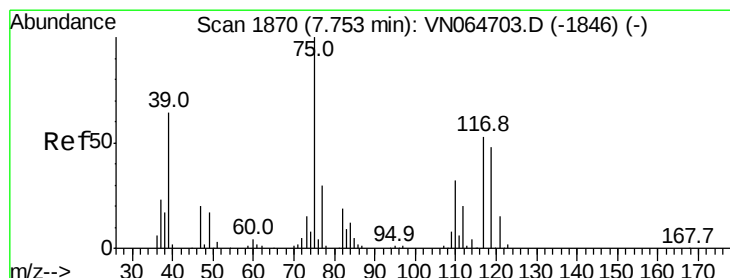
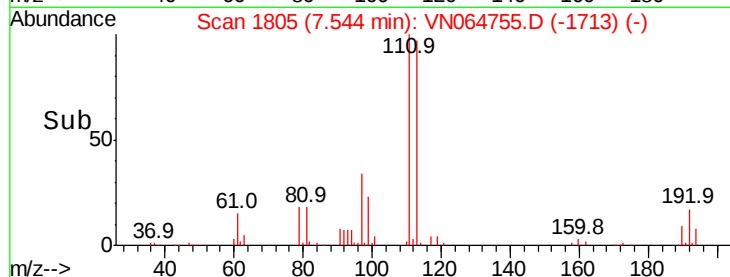
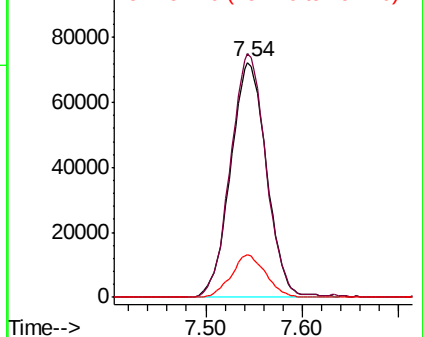
#35
 Dibromofluoromethane
 Concen: 54.505 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

Tot Ion:113 Resp: 187093
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 17.4 12.7 19.1

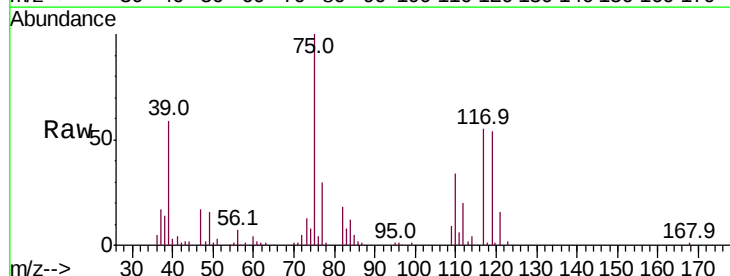


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

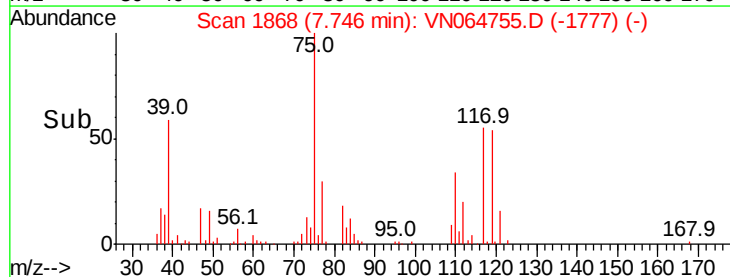
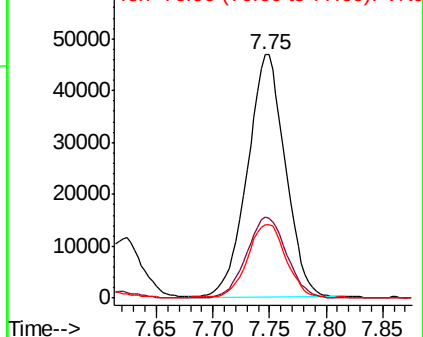


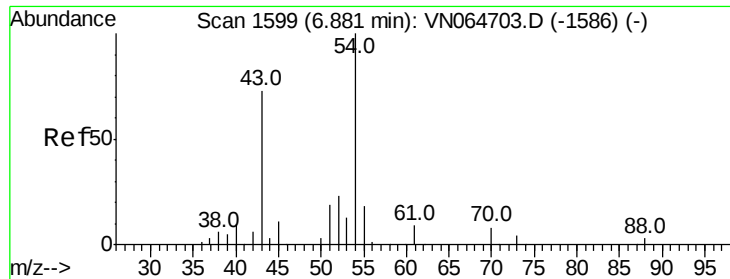
#36
 1,1-Dichloropropene
 Concen: 17.620 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion: 75 Resp: 109323
 Ion Ratio Lower Upper
 75 100
 110 35.2 16.2 48.6
 77 31.1 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

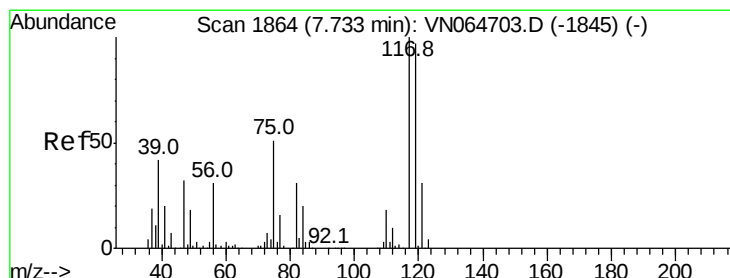
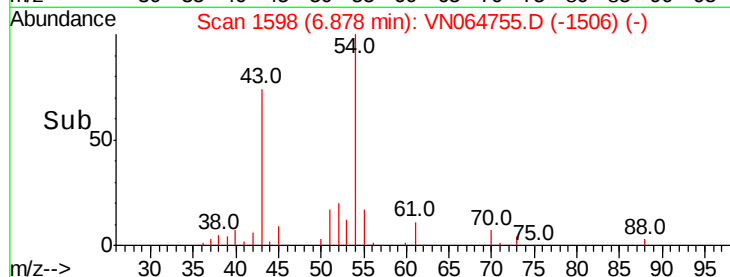
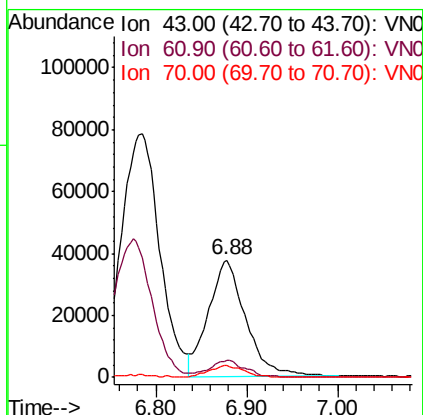
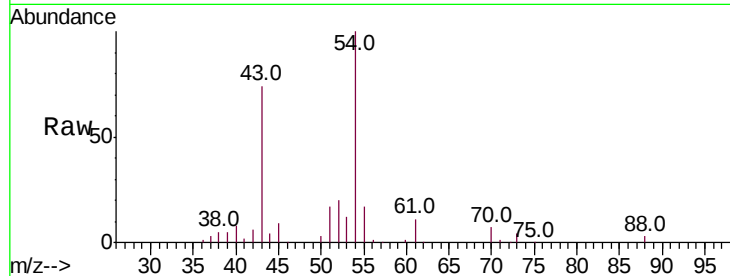




#37
Ethyl Acetate
Concen: 20.648 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

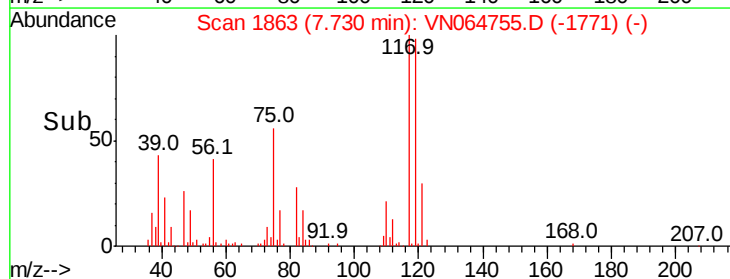
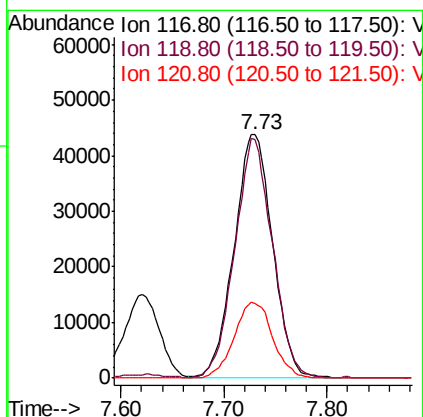
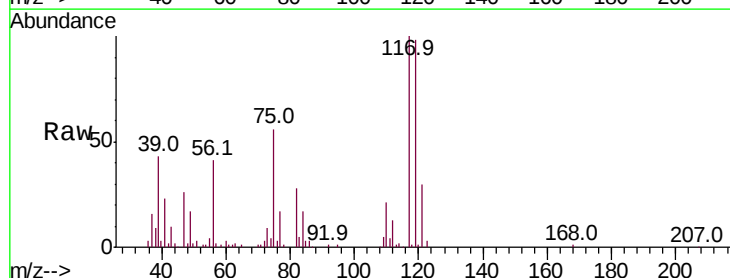
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

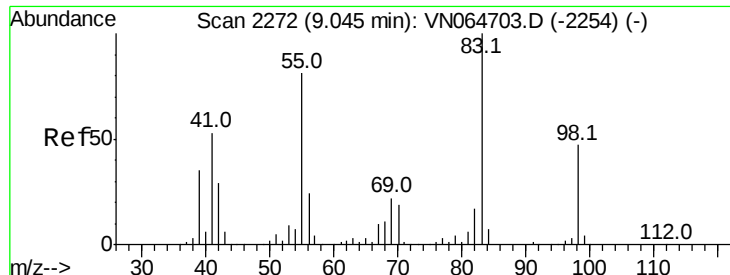
Tot Ion: 43 Resp: 107270
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.289 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 117 Resp: 113999
Ion Ratio Lower Upper
117 100
119 98.0 77.8 116.6
121 30.4 24.9 37.3

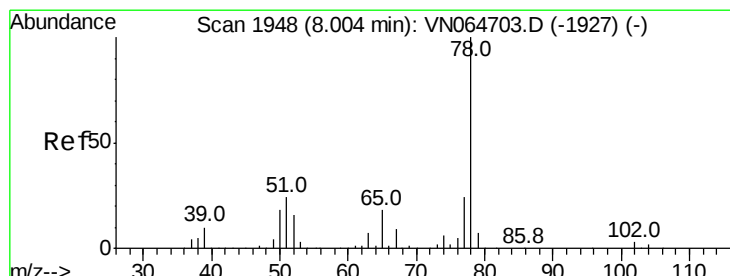
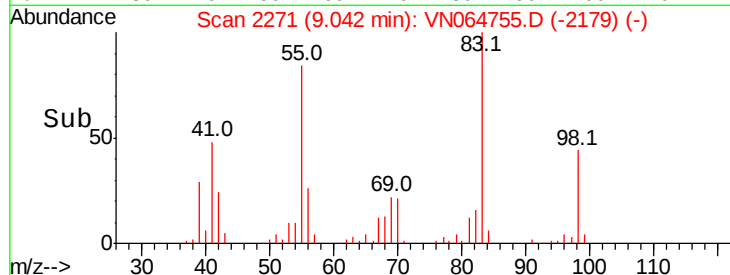
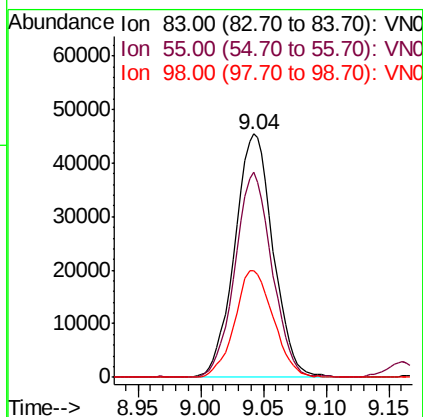
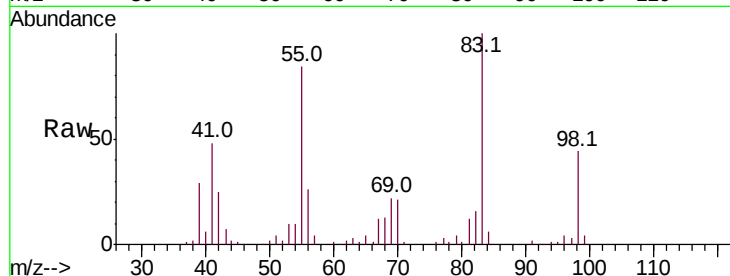




#39
Methvlcvclohexane
Concen: 17.597 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

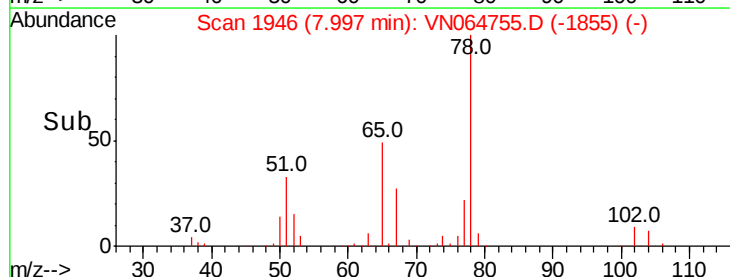
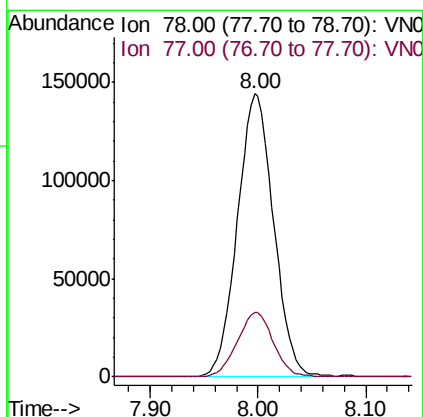
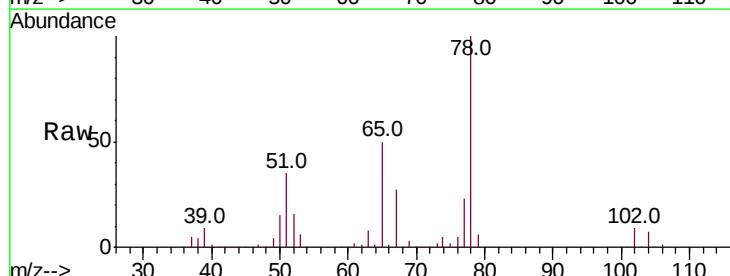
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

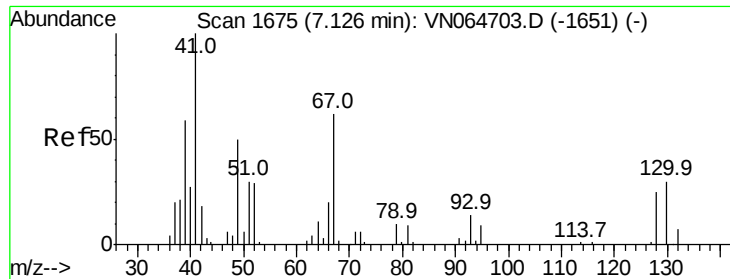
Tot Ion: 83 Resp: 96742
Ion Ratio Lower Upper
83 100
55 84.1 64.6 97.0
98 43.7 37.7 56.5



#40
Benzene
Concen: 19.489 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 78 Resp: 336914
Ion Ratio Lower Upper
78 100
77 22.7 19.2 28.8

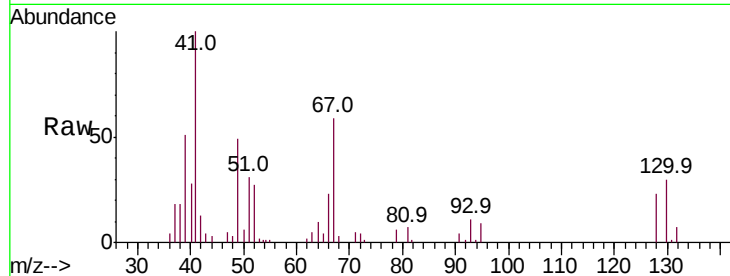




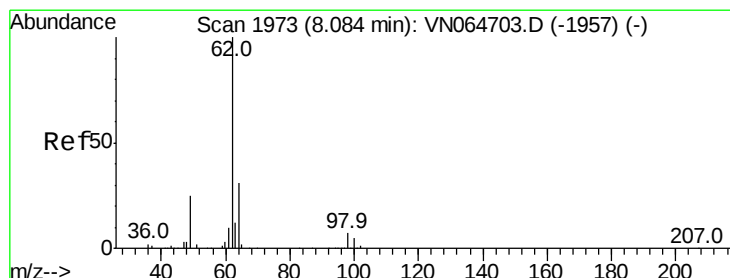
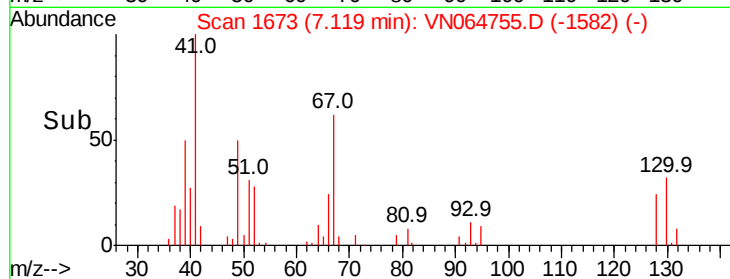
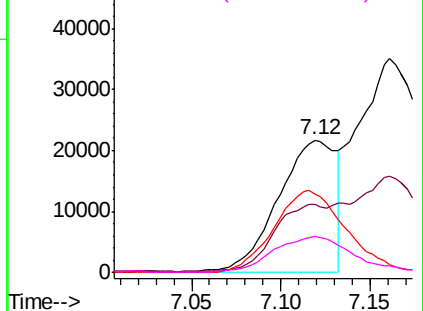
#41
Methacrylonitrile
Concen: 20.528 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

Tot Ion:	41	Resp:	48881
Ion	Ratio	Lower	Upper
41	100		
39	46.6	46.0	69.0
67	77.5	67.0	100.4
52	37.0	31.7	47.5

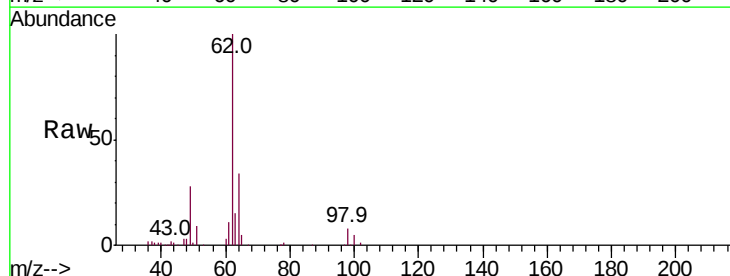


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

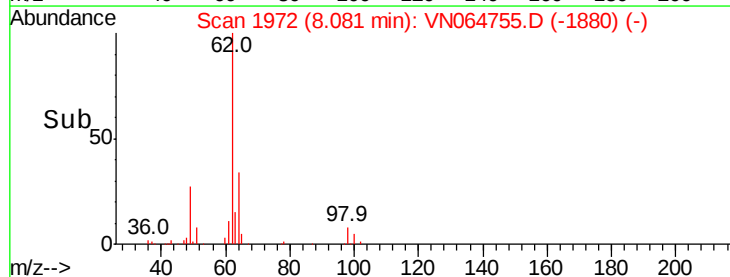
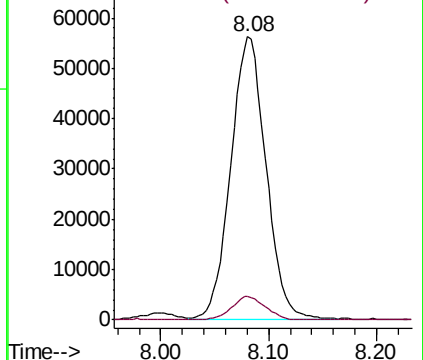


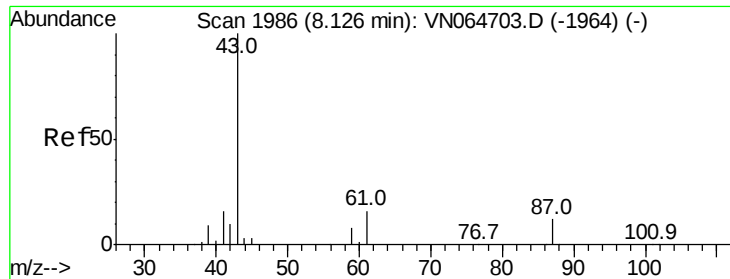
#42
1,2-Dichloroethane
Concen: 17.160 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion:	62	Resp:	127640
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	13.6



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





#43

Isopropyl Acetate

Concen: 17.308 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

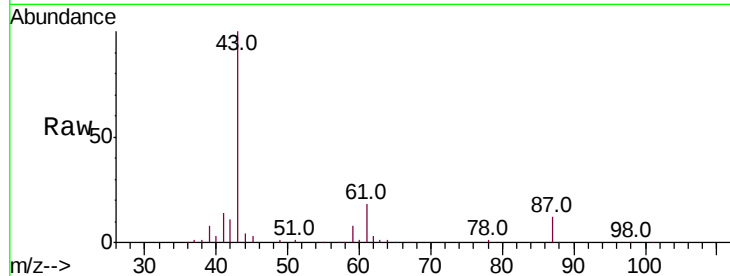
Tot Ion: 43 Resp: 174286

Ion Ratio Lower Upper

43 100

61 19.5 14.1 21.1

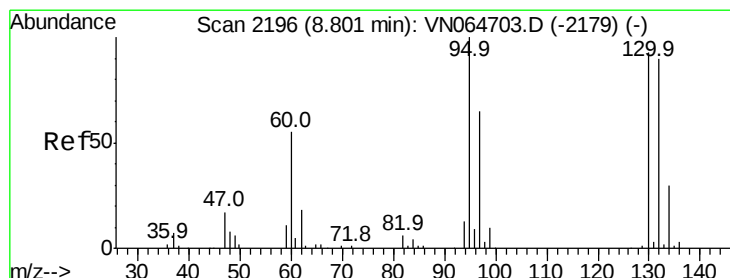
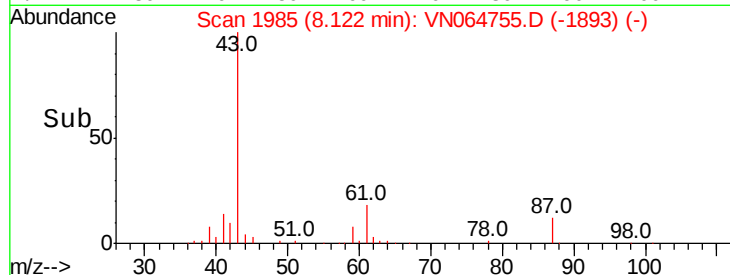
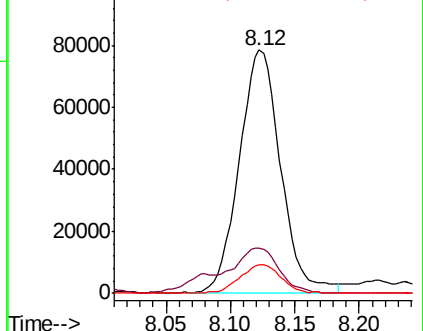
87 11.8 9.1 13.7



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) (-)



#44

Trichloroethene

Concen: 18.302 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064755.D

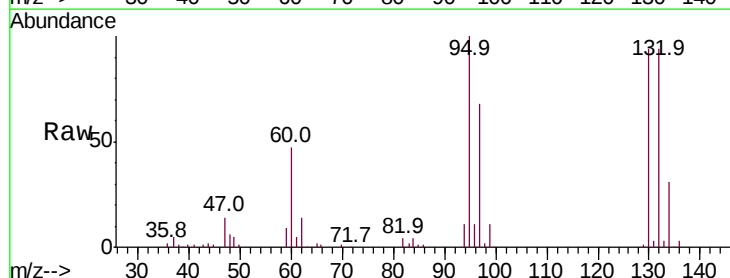
Acq: 20 Nov 2020 3:07

Tgt Ion:130 Resp: 90803

Ion Ratio Lower Upper

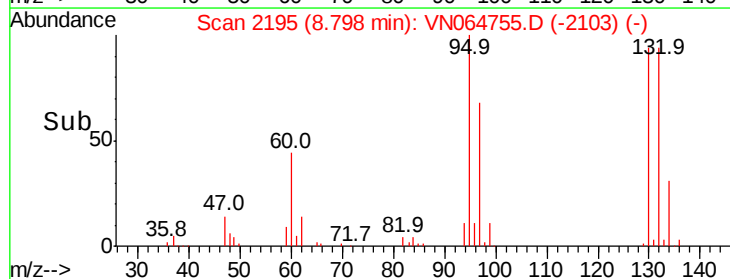
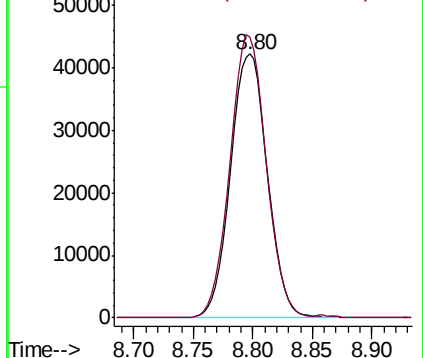
130 100

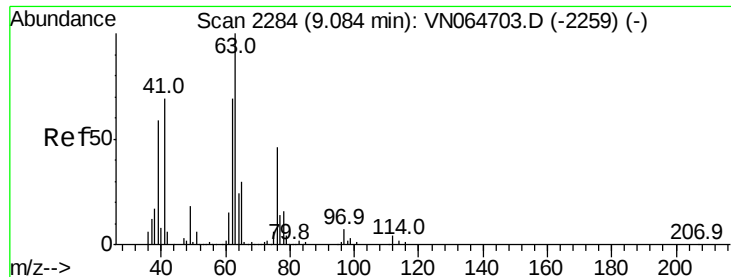
95 106.5 0.0 214.2



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

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





#45

1,2-Dichloropropane

Concen: 19.865 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

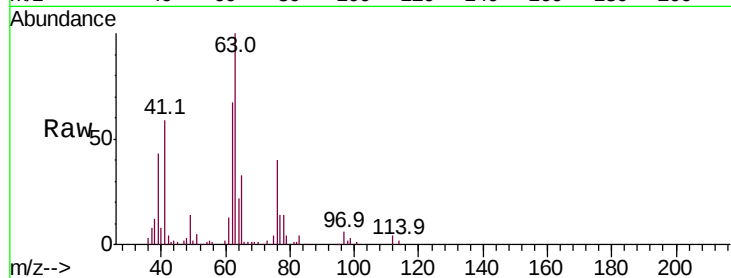
VN1119WBSD02

Tot Ion: 63 Resp: 91541

Ion Ratio Lower Upper

63 100

65 32.8 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.08

50000

40000

30000

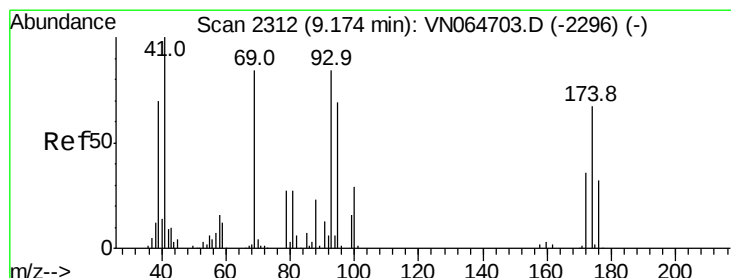
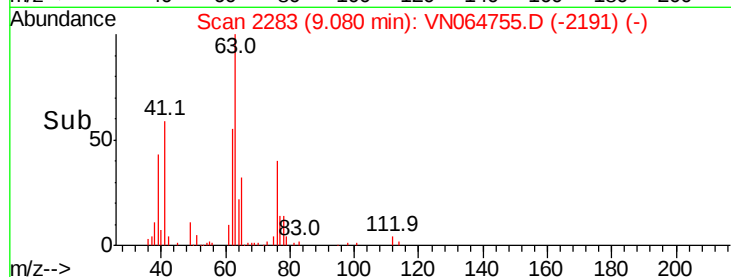
20000

10000

0

Time-->

9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 18.065 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

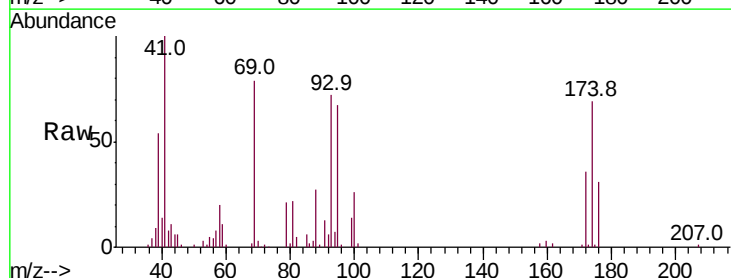
Tgt Ion: 93 Resp: 59009

Ion Ratio Lower Upper

93 100

95 85.9 64.6 97.0

174 91.6 64.3 96.5



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.17

30000

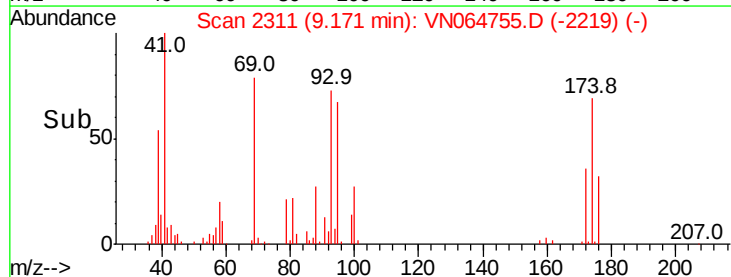
20000

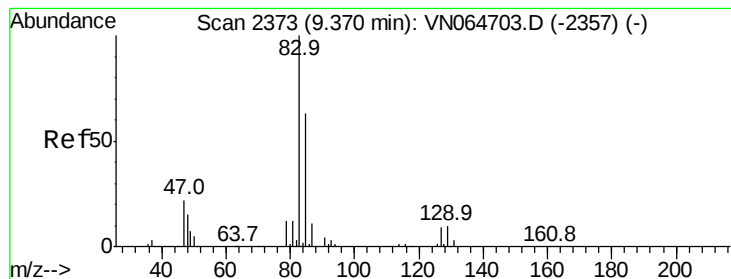
10000

0

Time-->

9.10 9.15 9.20





#47

Bromodichloromethane

Concen: 17.537 ug/l

RT: 9.36 min Scan# 2371

Delta R.T. -0.01 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

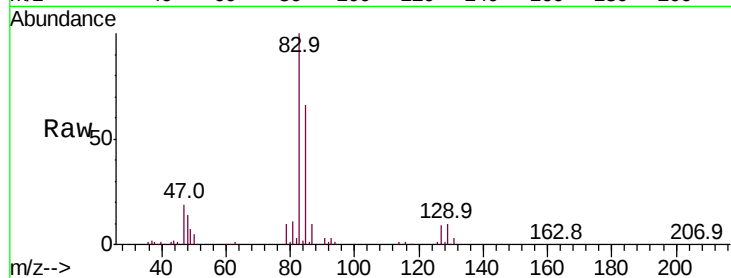
Tot Ion: 83 Resp: 120426

Ion Ratio Lower Upper

83 100

85 65.7 50.8 76.2

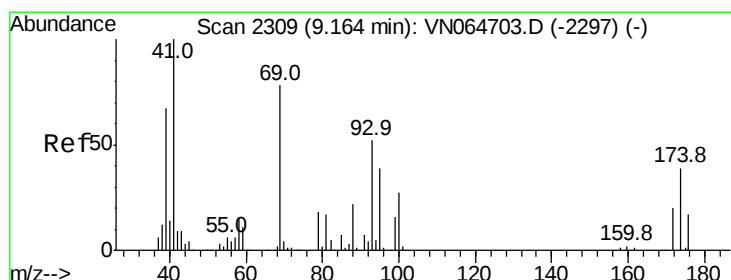
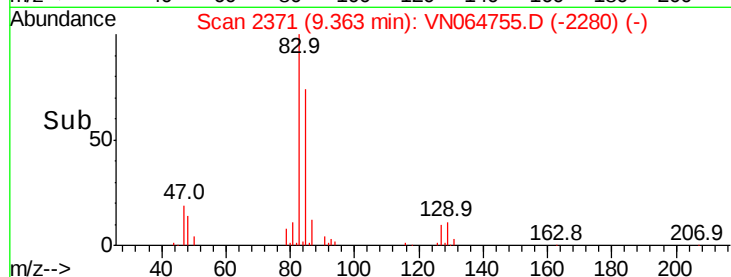
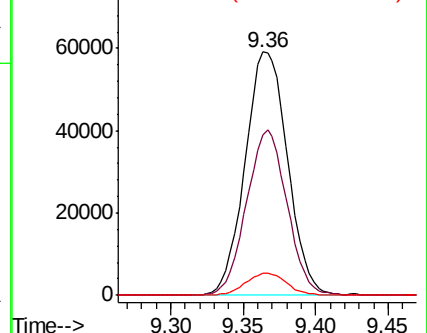
127 8.9 7.0 10.4



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) (-)



#48

Methyl methacrylate

Concen: 17.846 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

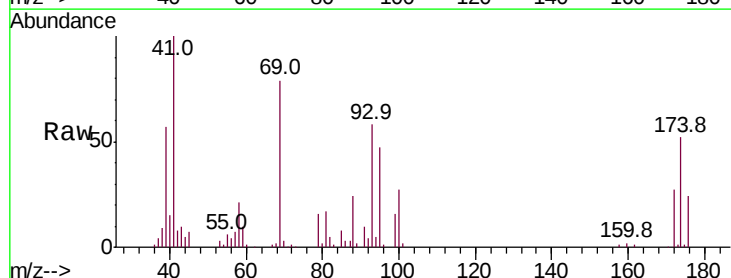
Tgt Ion: 41 Resp: 84791

Ion Ratio Lower Upper

41 100

69 79.0 62.3 93.5

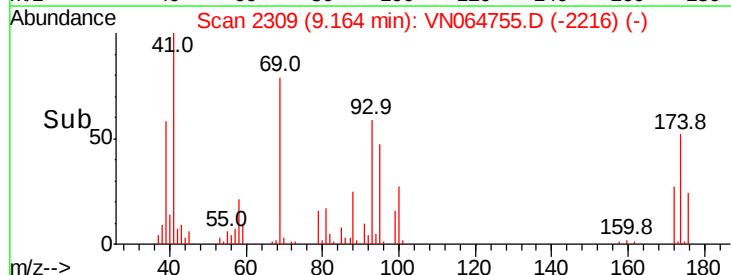
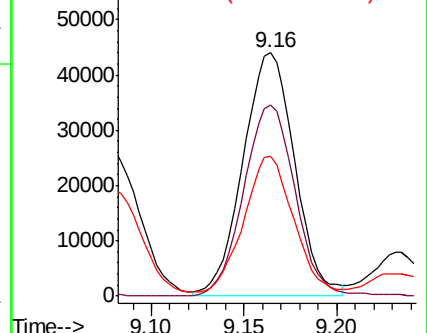
39 56.3 55.1 82.7

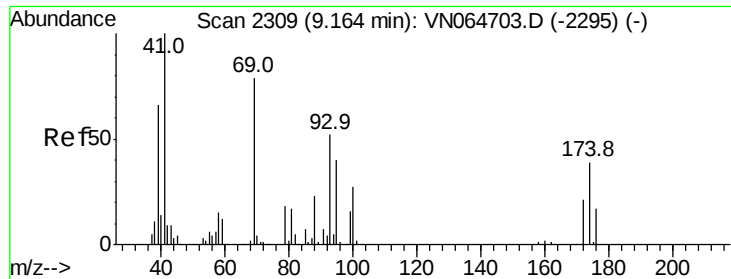


Abundance Ion 41.00 (40.70 to 41.70): VN064703.D (-2297) (-)

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

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

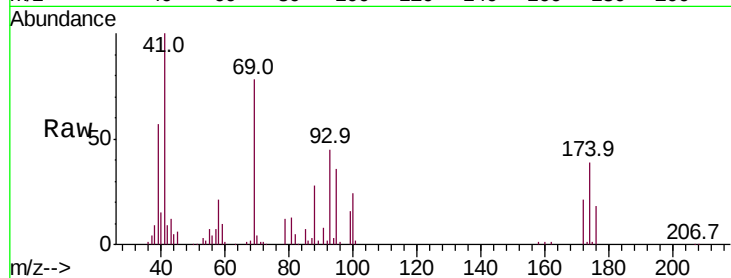




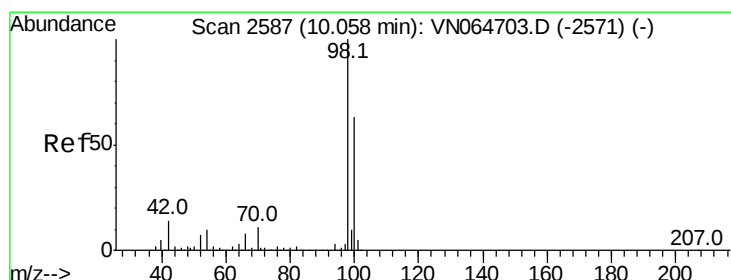
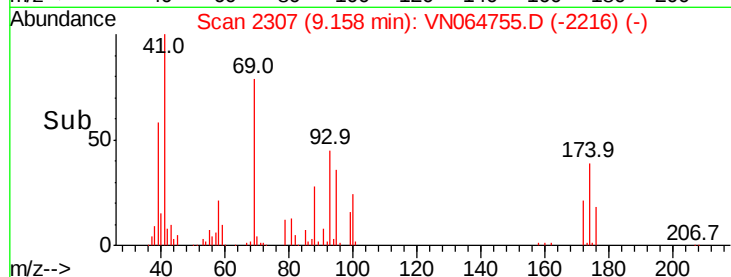
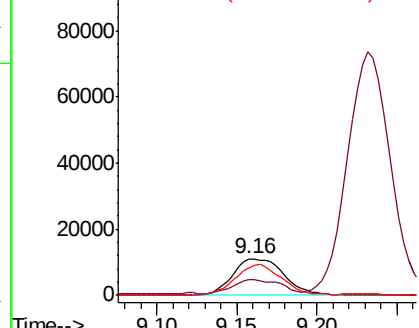
#49
1,4-Dioxane
Concen: 412.019 ug/l
RT: 9.16 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

Tot Ion: 88 Resp: 24424
Ion Ratio Lower Upper
88 100
43 34.6 31.3 46.9
58 76.3 55.7 83.5

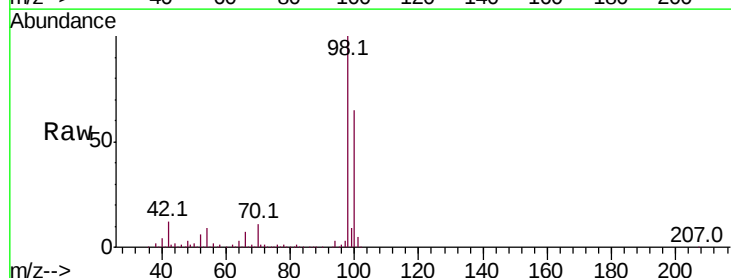


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

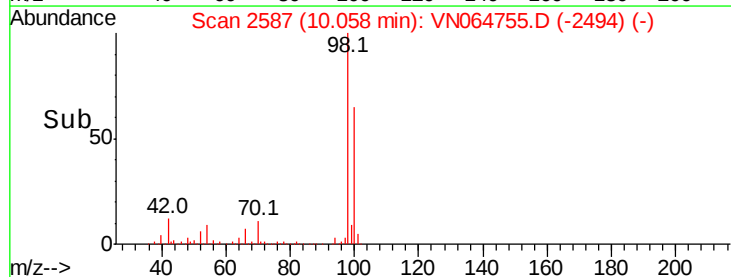
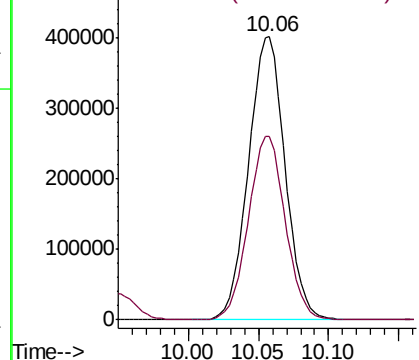


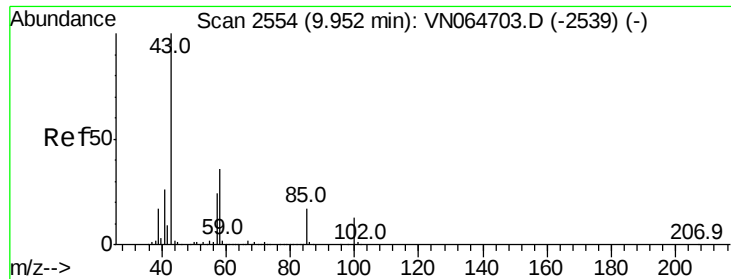
#50
Toluene-d8
Concen: 46.920 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 98 Resp: 731968
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 87.036 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

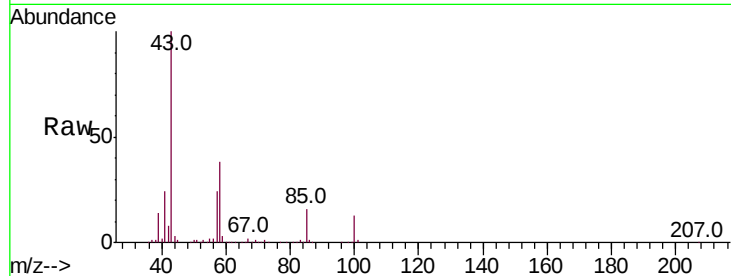
VN1119WBSD02

Tot Ion: 43 Resp: 504175

Ion Ratio Lower Upper

43 100

58 37.3 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064703.D (-2539) (-)

9.95

300000

250000

200000

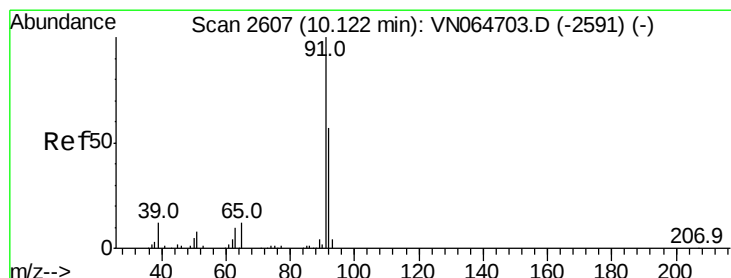
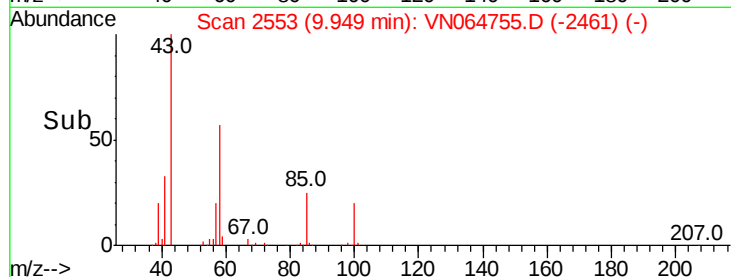
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.067 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064755.D

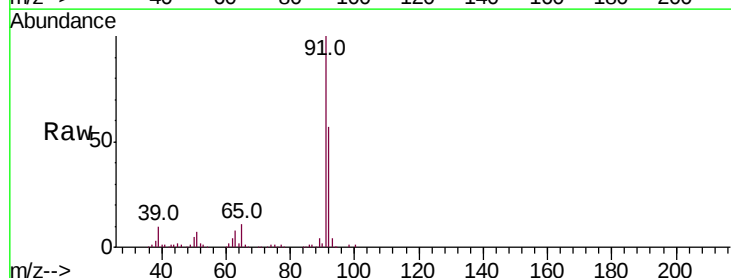
Acq: 20 Nov 2020 3:07

Tgt Ion: 92 Resp: 203016

Ion Ratio Lower Upper

92 100

91 175.4 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN064703.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN064703.D (-2591) (-)

10.12

200000

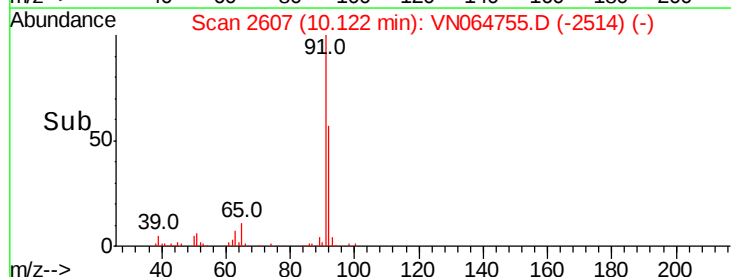
150000

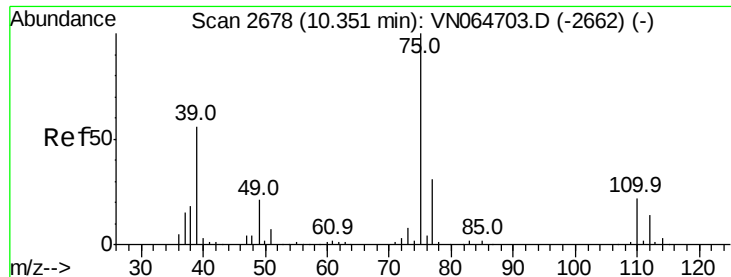
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.567 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

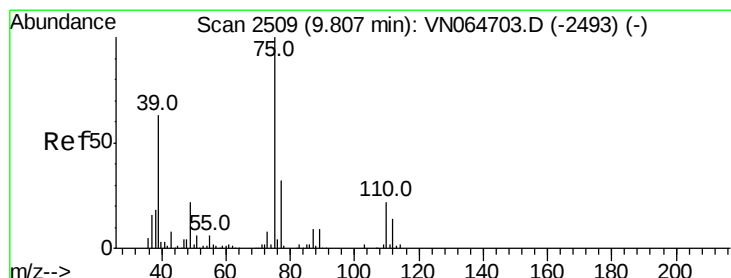
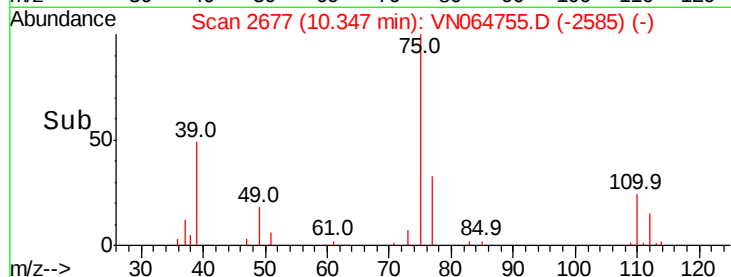
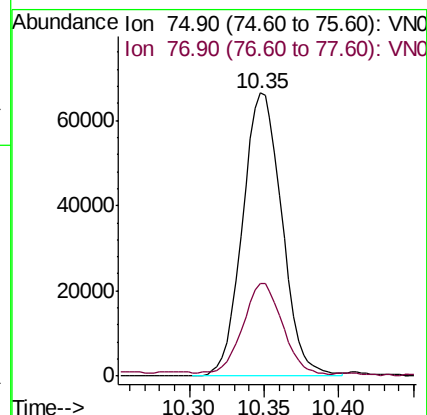
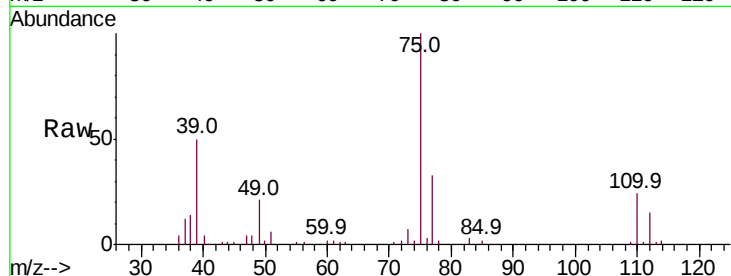
VN1119WBSD02

Tot Ion: 75 Resp: 121754

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.624 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

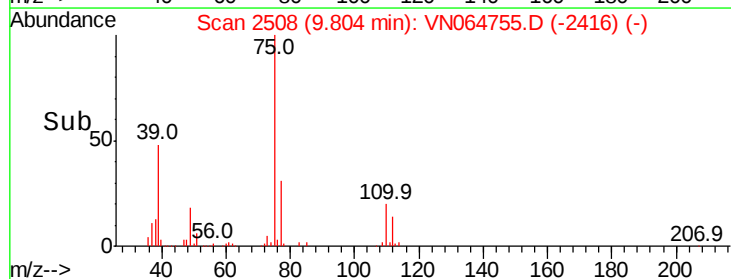
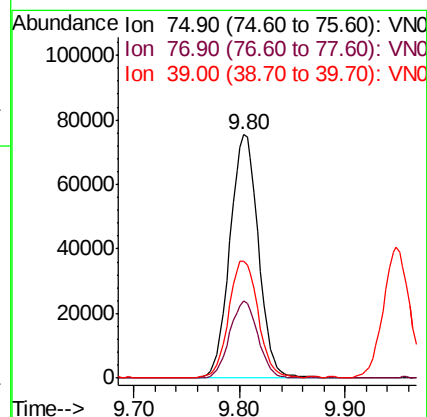
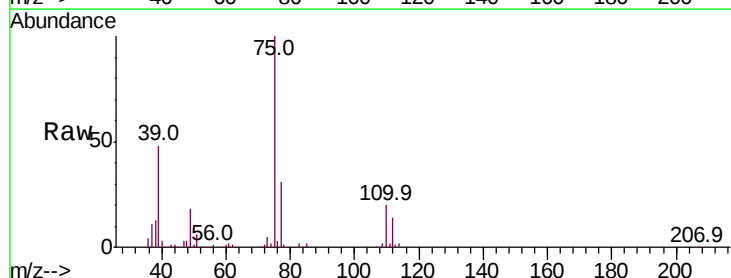
Tgt Ion: 75 Resp: 140937

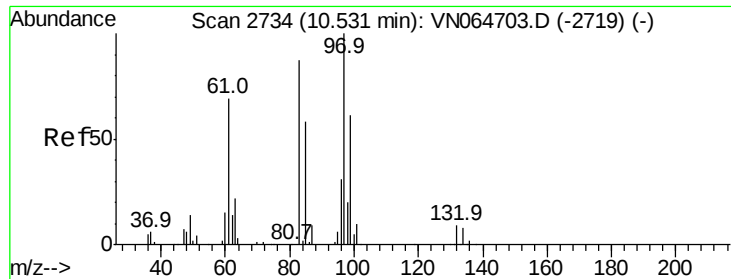
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 47.9 50.5 75.7#

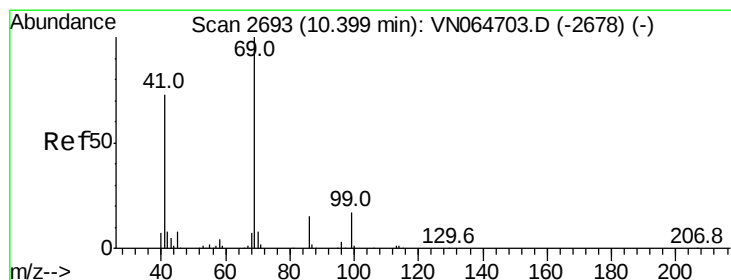
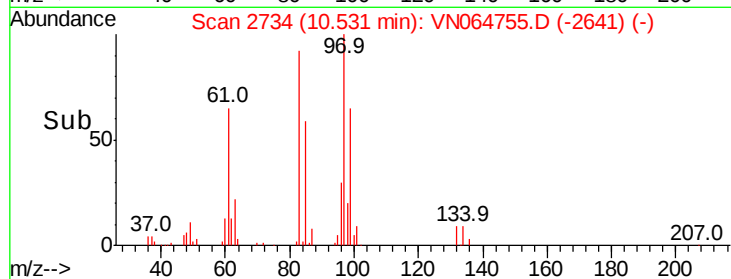
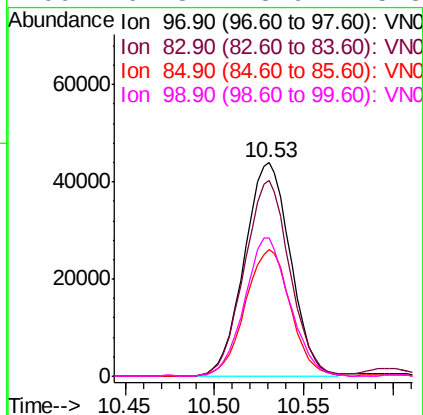
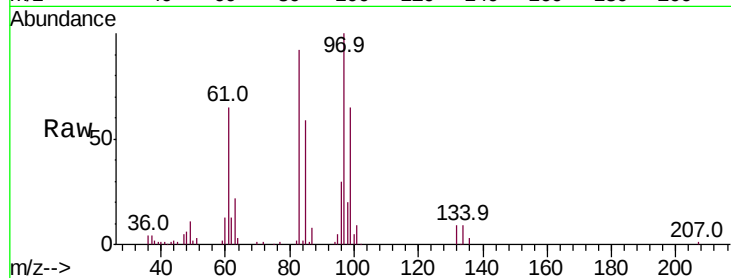




#55
 1,1,2-Trichloroethane
 Concen: 18.583 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

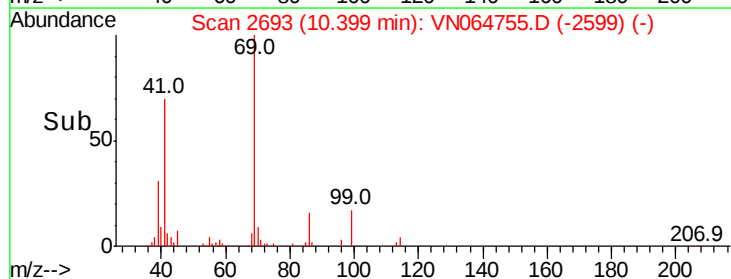
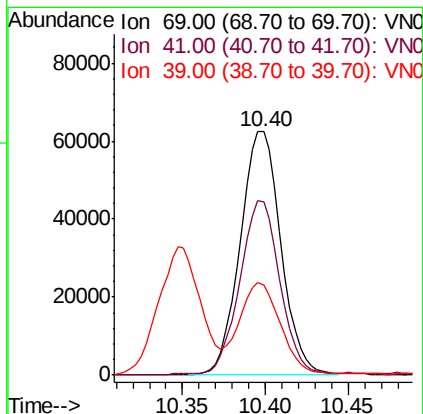
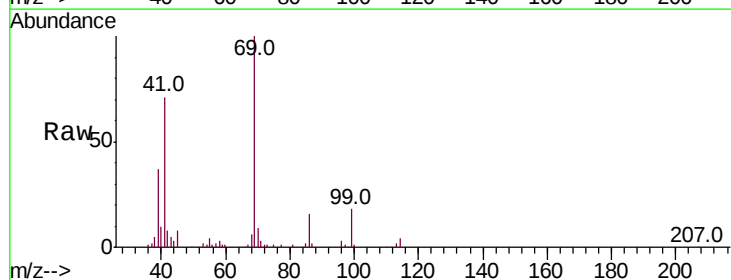
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

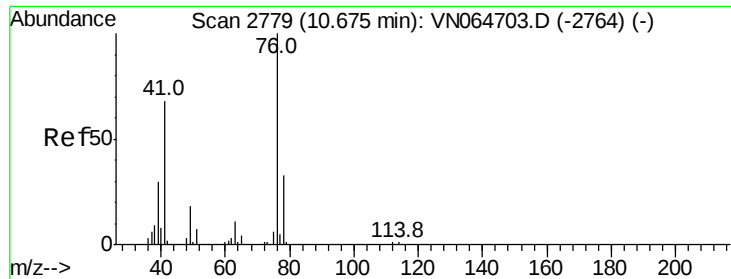
Tot Ion:	97	Resp:	79360
Ion	Ratio	Lower	Upper
97	100		
83	92.0	69.6	104.4
85	59.1	46.6	70.0
99	64.8	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 17.075 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion:	69	Resp:	106652
Ion	Ratio	Lower	Upper
69	100		
41	71.4	59.0	88.4
39	37.7	38.4	57.6#





#57

1,3-Dichloropropane

Concen: 18.961 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

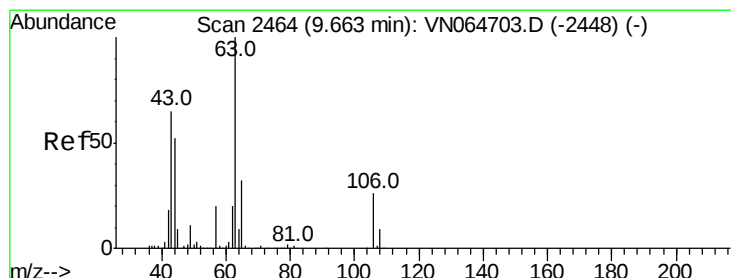
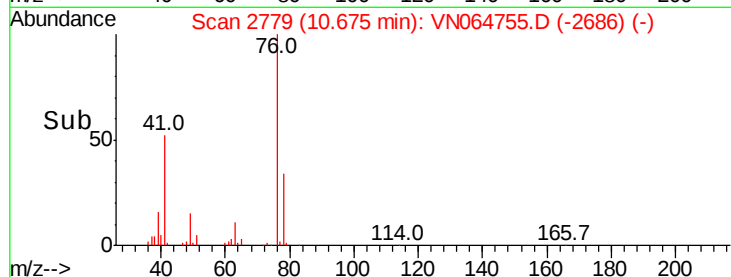
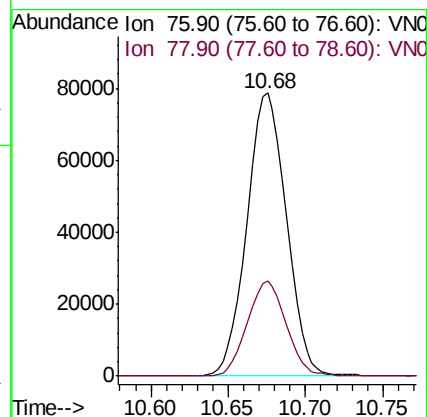
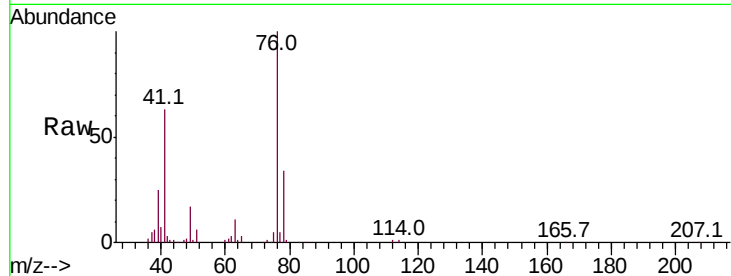
VN1119WBSD02

Tot Ion: 76 Resp: 140270

Ion Ratio Lower Upper

76 100

78 33.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 89.354 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064755.D

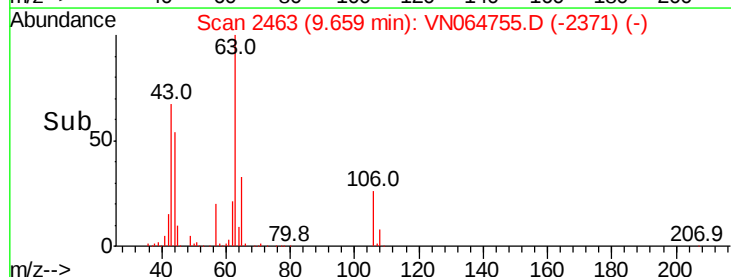
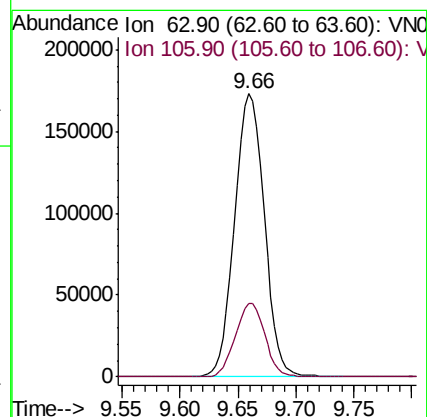
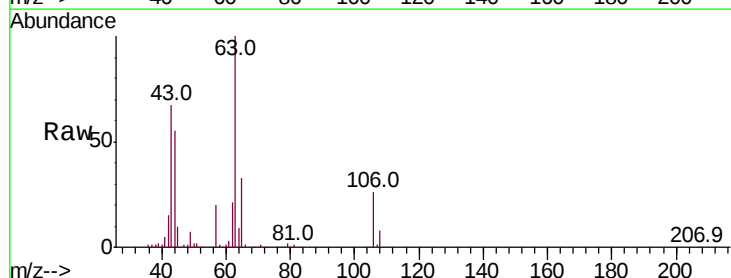
Acq: 20 Nov 2020 3:07

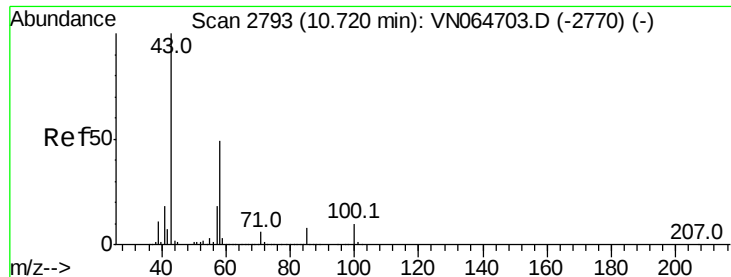
Tgt Ion: 63 Resp: 307974

Ion Ratio Lower Upper

63 100

106 25.7 20.9 31.3

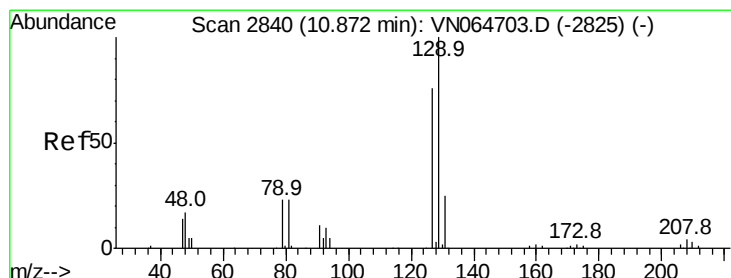
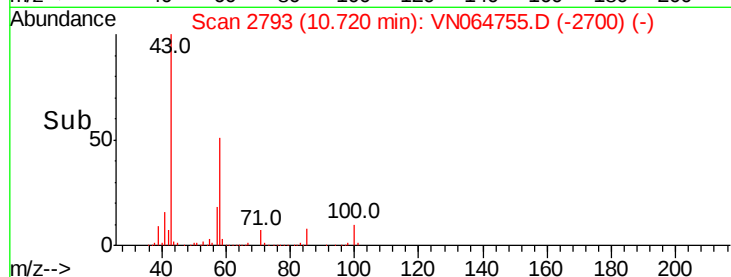
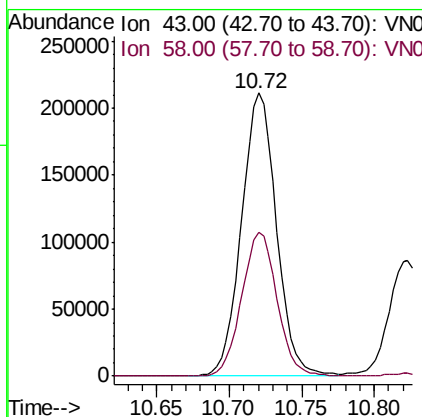
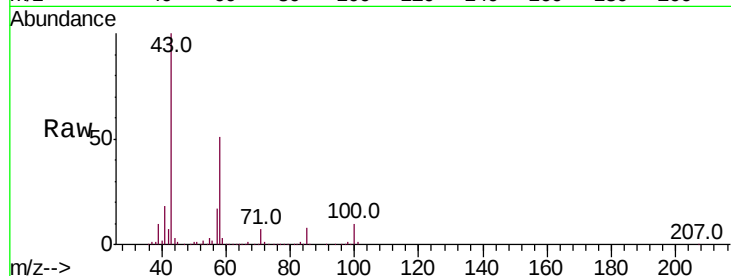




#59
2-Hexanone
Concen: 84.551 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

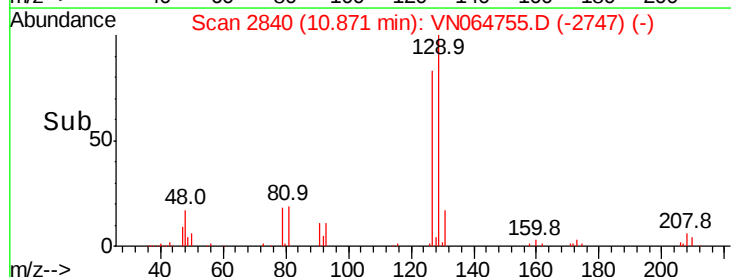
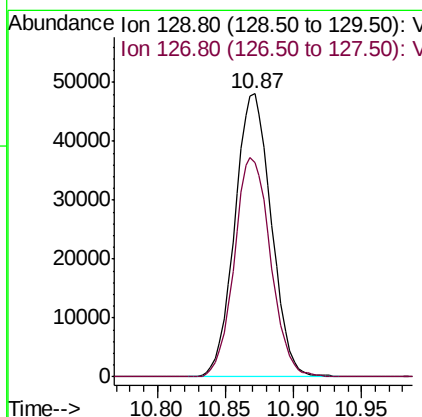
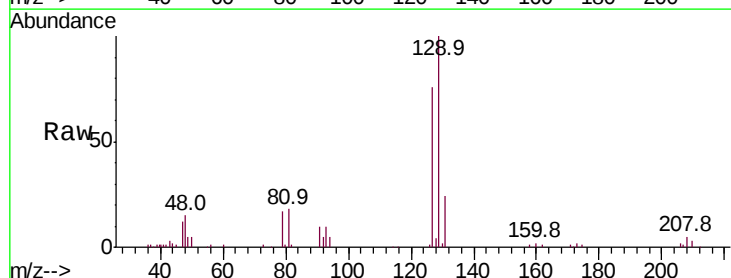
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

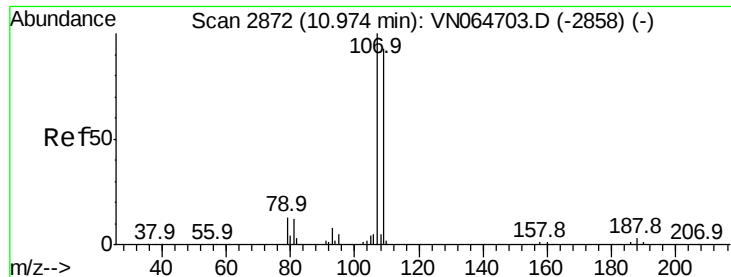
Tot Ion: 43 Resp: 351756
Ion Ratio Lower Upper
43 100
58 51.9 24.4 73.4



#60
Dibromochloromethane
Concen: 18.106 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 129 Resp: 89333
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.4

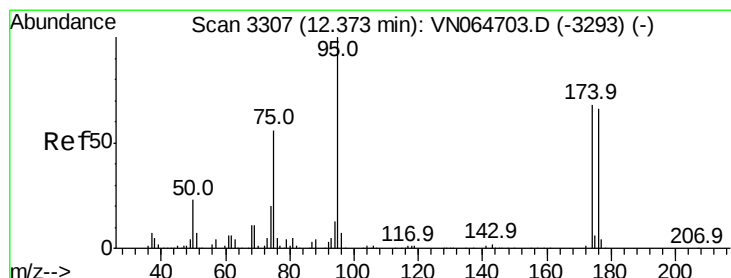
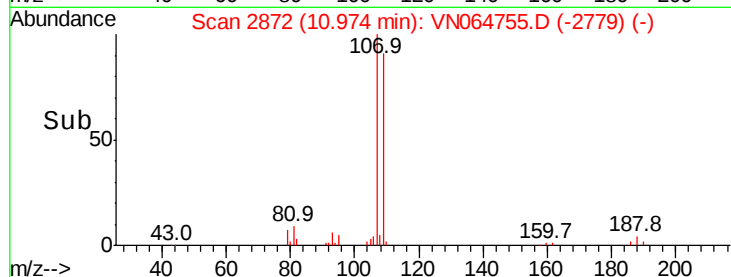
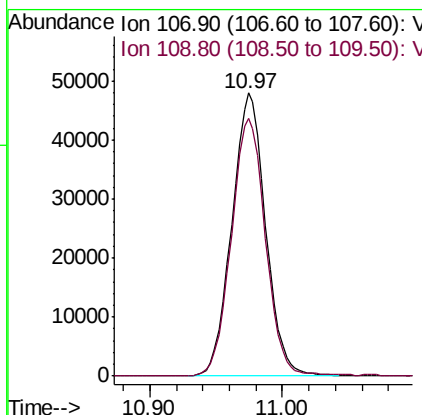
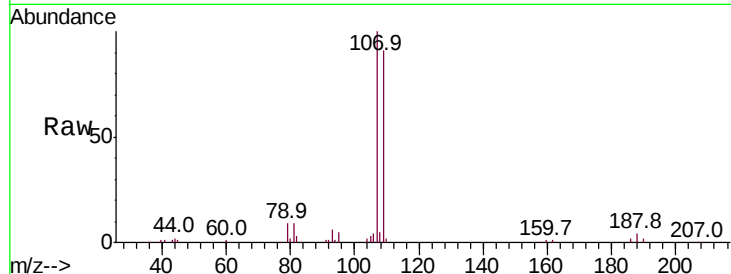




#61
 1,2-Dibromoethane
 Concen: 18.584 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

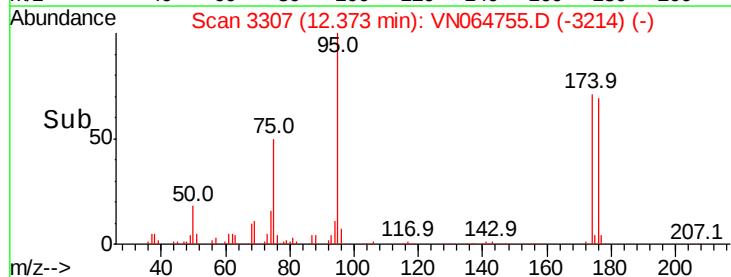
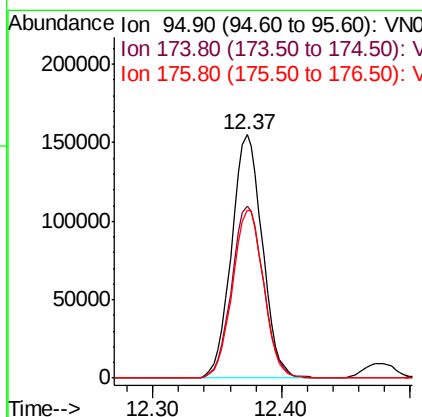
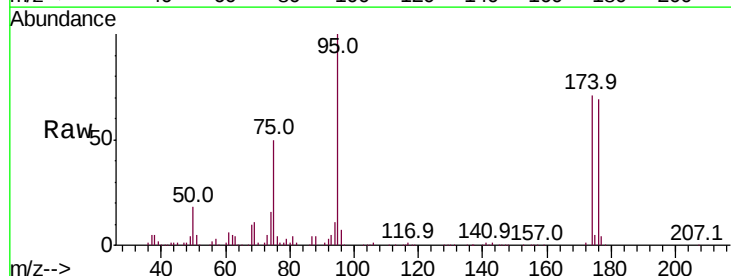
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

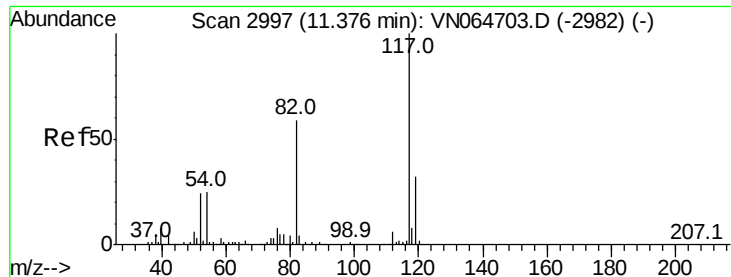
Tot Ion:107 Resp: 84650
 Ion Ratio Lower Upper
 107 100
 109 92.0 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 44.111 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion: 95 Resp: 257216
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 136.8
 176 70.1 0.0 134.2

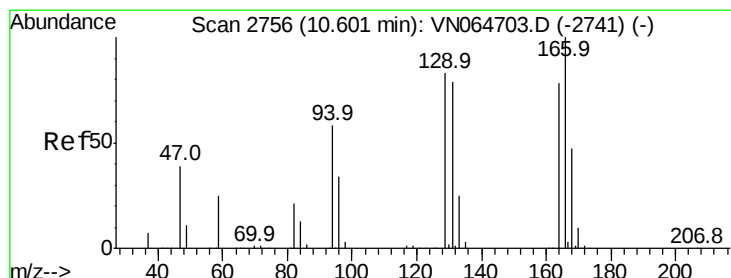
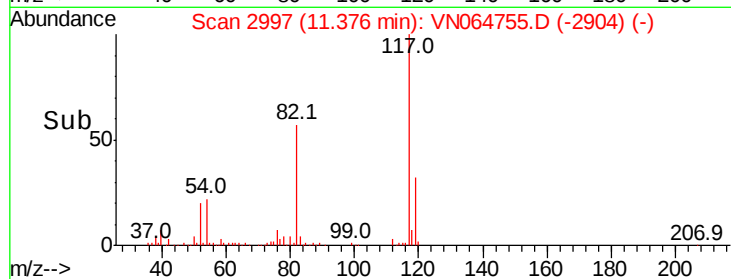
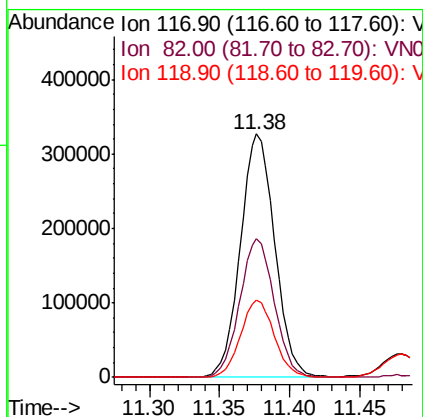
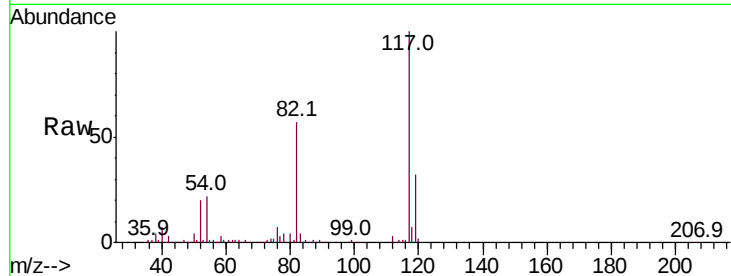




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

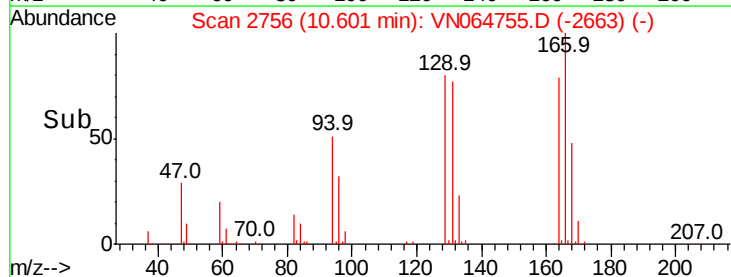
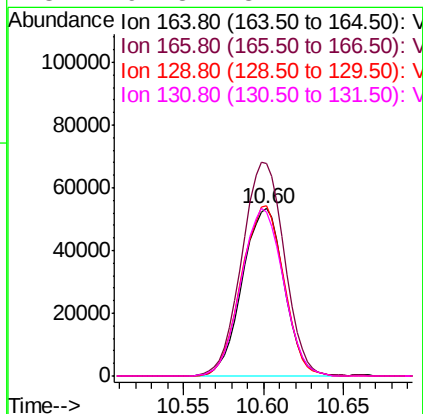
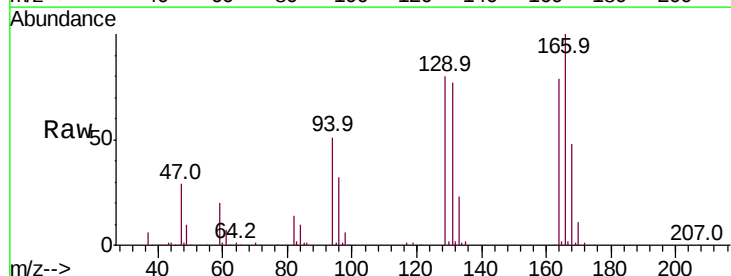
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

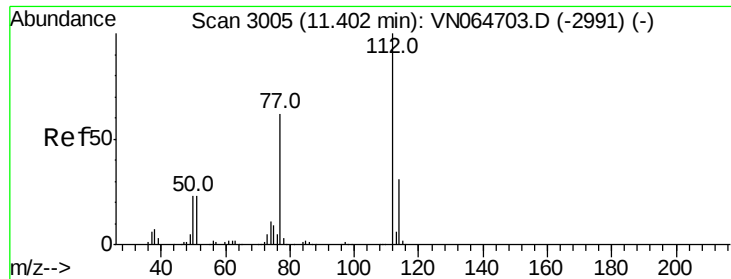
Tot Ion:117 Resp: 559641
Ion Ratio Lower Upper
117 100
82 57.0 47.0 70.6
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 19.200 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion:164 Resp: 95258
Ion Ratio Lower Upper
164 100
166 126.6 102.2 153.4
129 101.6 84.7 127.1
131 97.8 81.1 121.7





#65

Chlorobenzene

Concen: 18.181 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

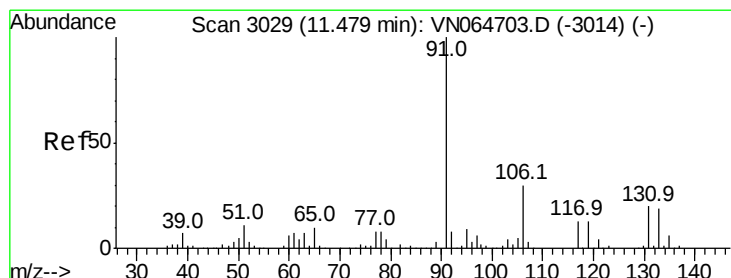
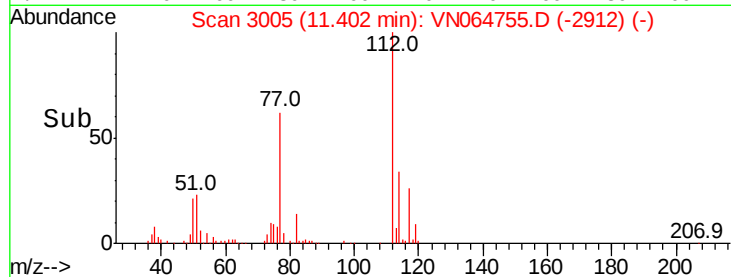
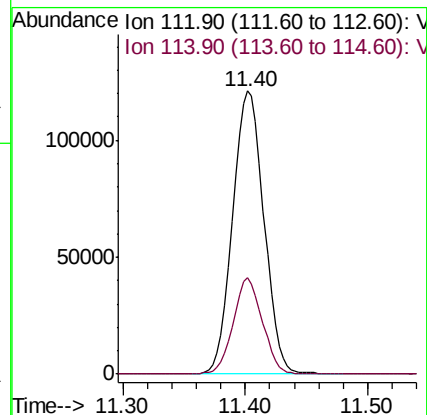
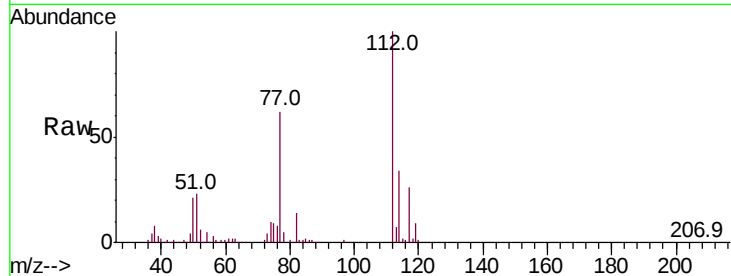
VN1119WBSD02

Tot Ion:112 Resp: 216436

Ion Ratio Lower Upper

112 100

114 34.2 24.7 37.1



#66

1,1,1,2-Tetrachloroethane

Concen: 18.011 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

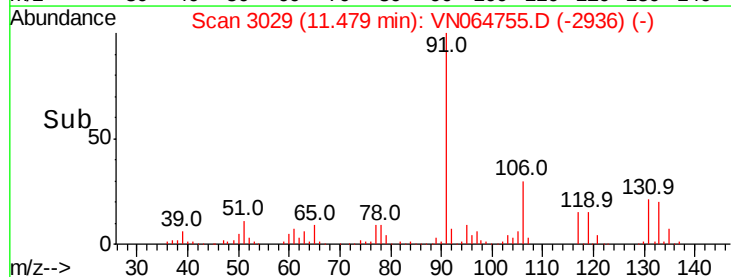
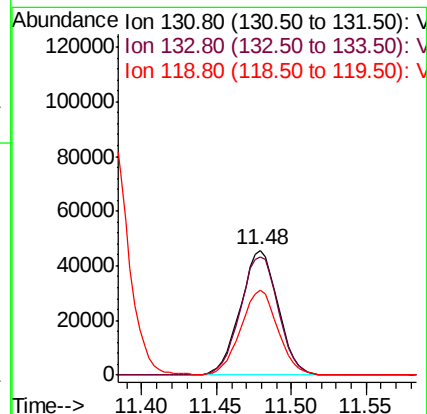
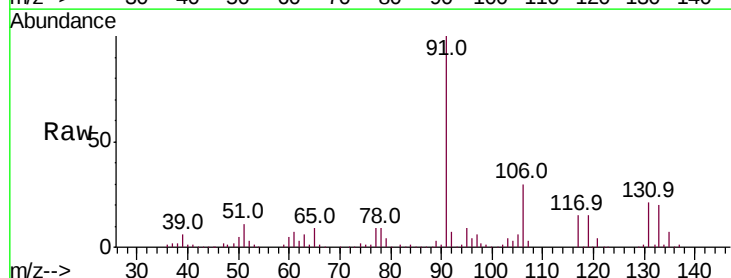
Tgt Ion:131 Resp: 80115

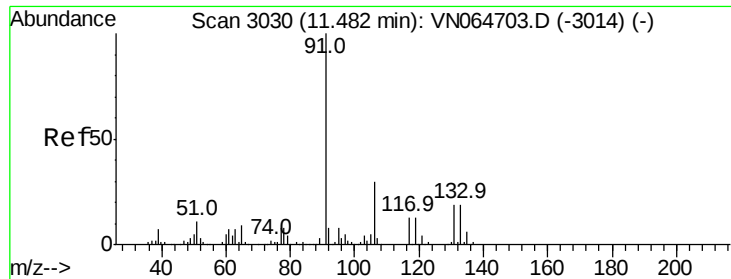
Ion Ratio Lower Upper

131 100

133 96.6 48.8 146.4

119 67.1 33.5 100.4

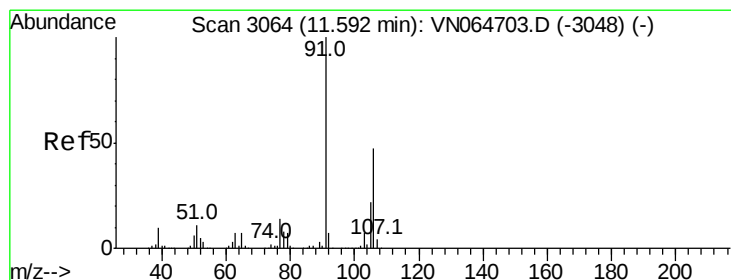
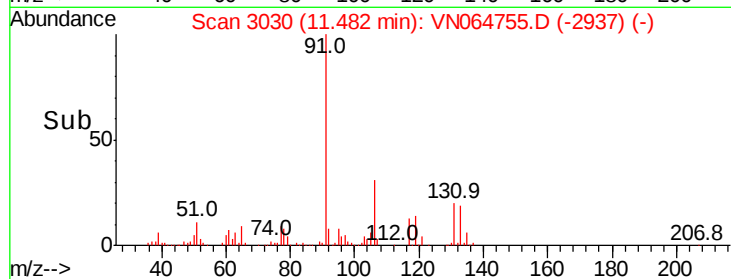
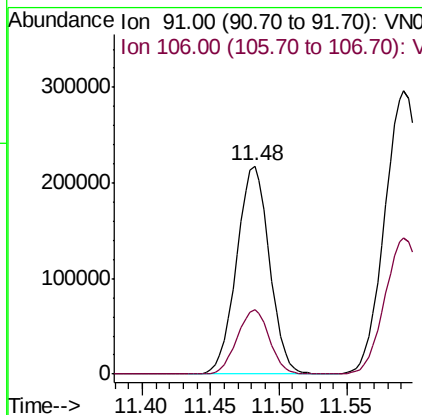
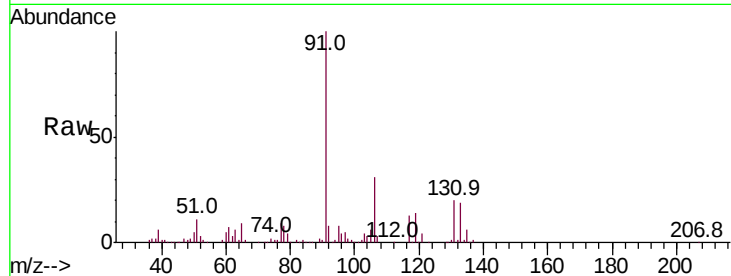




#67
Ethyl Benzene
Concen: 17.343 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

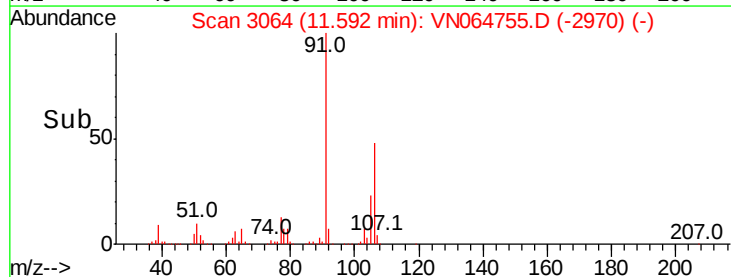
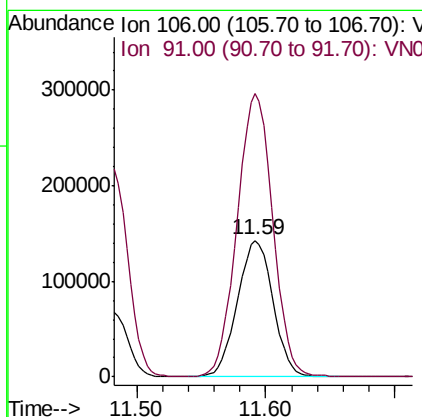
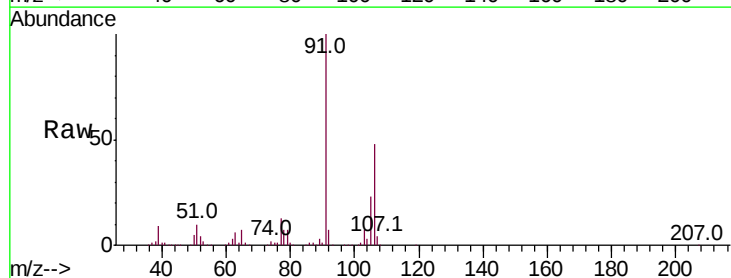
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

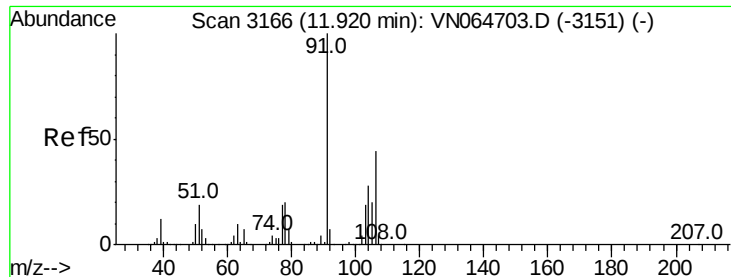
Tot Ion: 91 Resp: 364023
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9



#68
m/p-Xylenes
Concen: 34.959 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 106 Resp: 274494
Ion Ratio Lower Upper
106 100
91 207.4 171.9 257.9

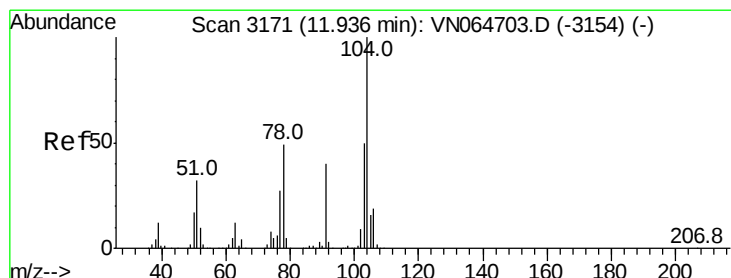
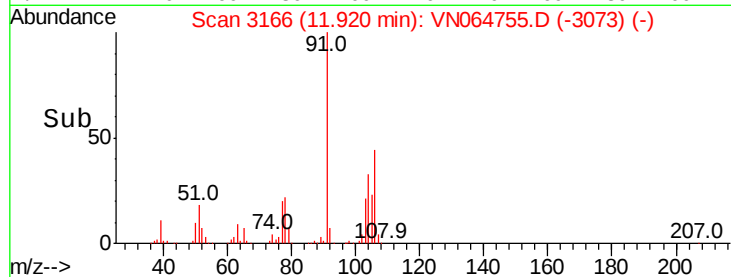
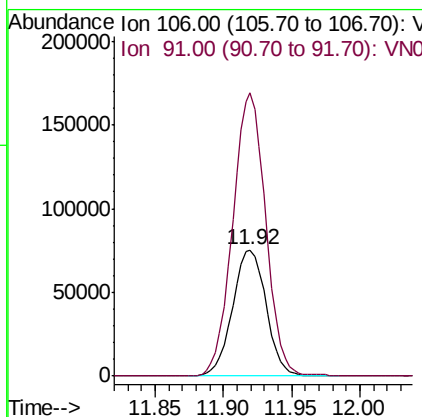
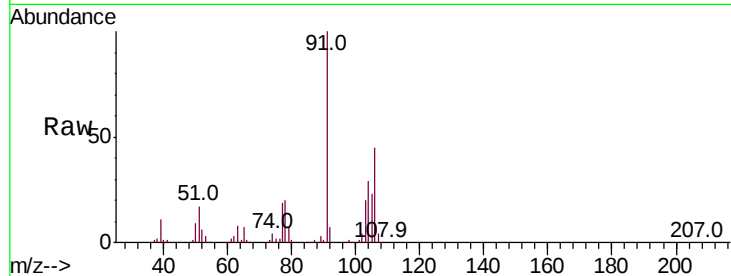




#69
o-Xylene
Concen: 17.655 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

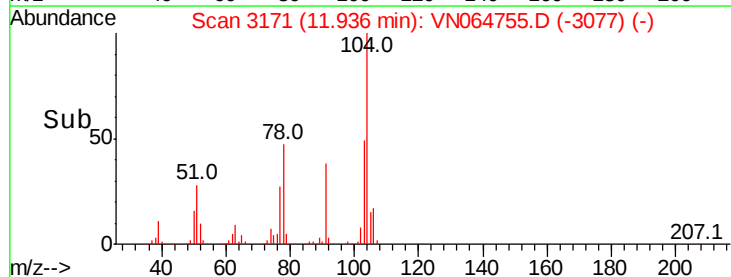
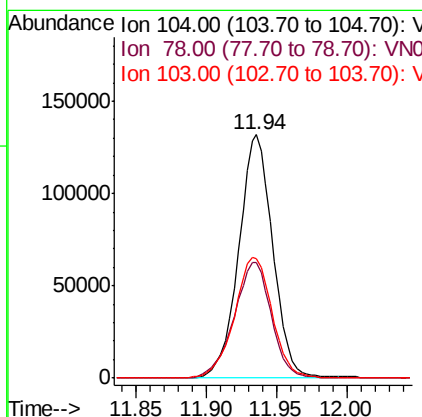
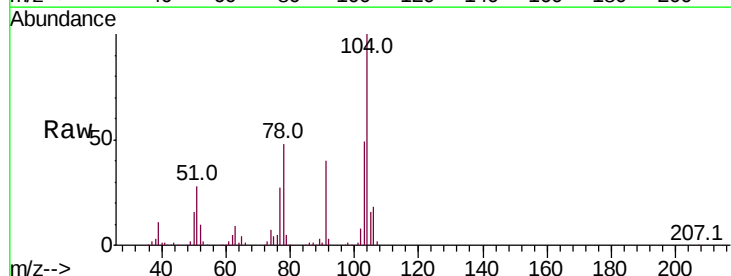
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

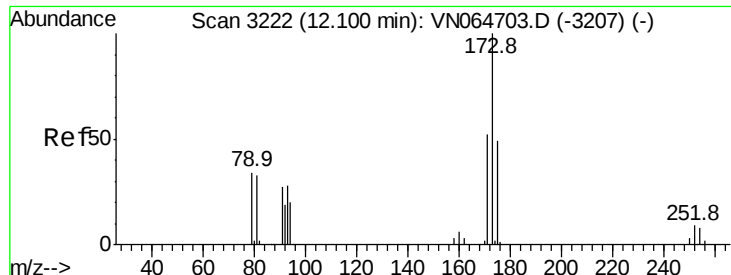
Tot Ion:106 Resp: 129283
Ion Ratio Lower Upper
106 100
91 220.0 112.1 336.3



#70
Styrene
Concen: 17.335 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion:104 Resp: 222642
Ion Ratio Lower Upper
104 100
78 52.3 44.1 66.1
103 55.0 43.7 65.5





#71

Bromoform

Concen: 18.087 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

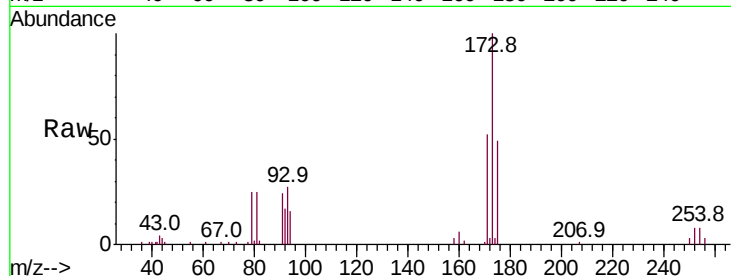
Tot Ion:173 Resp: 56863

Ion Ratio Lower Upper

173 100

175 49.4 24.3 72.9

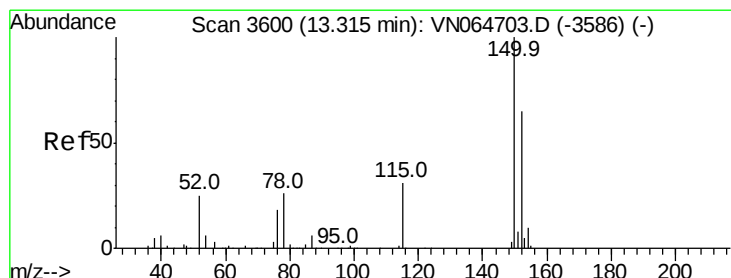
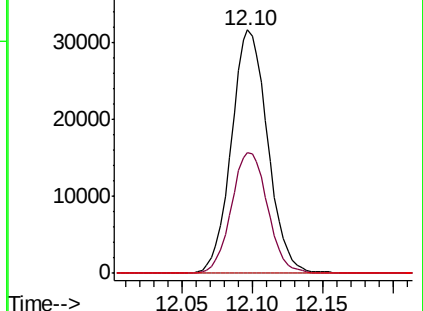
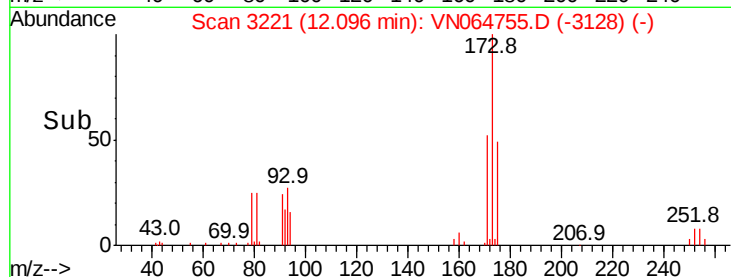
254 0.0 0.1 0.1#



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: VN064755.D

Acq: 20 Nov 2020 3:07

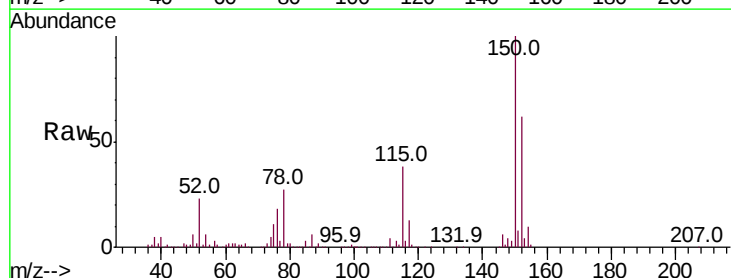
Tgt Ion:152 Resp: 256395

Ion Ratio Lower Upper

152 100

115 61.7 32.1 96.3

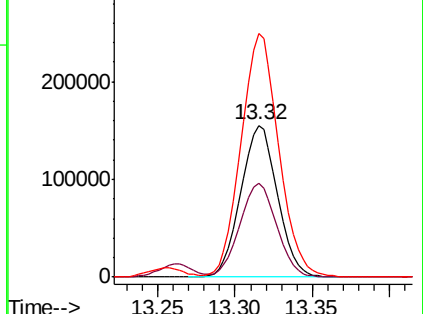
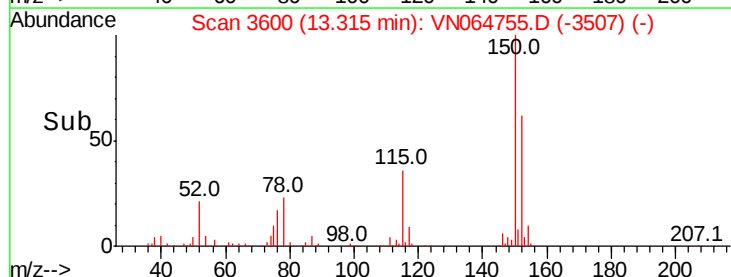
150 164.2 0.0 344.8

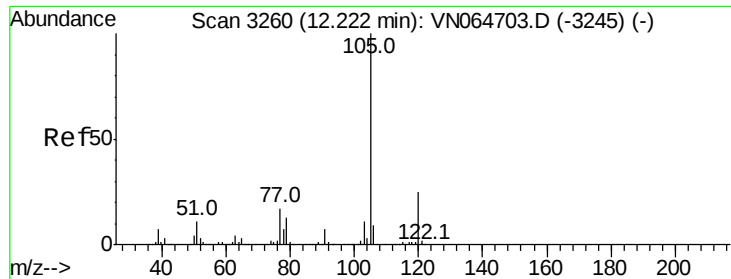


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.141 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

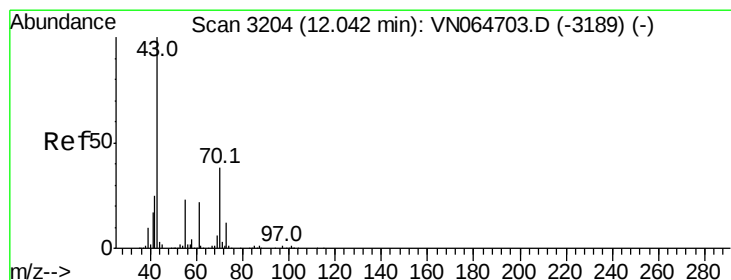
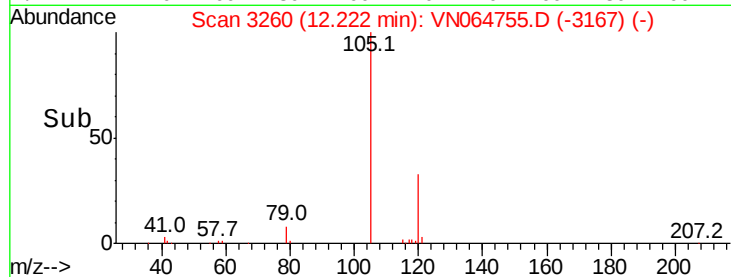
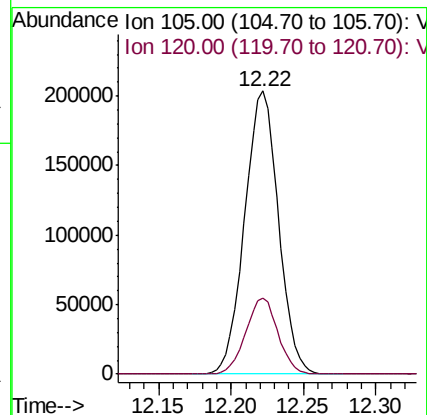
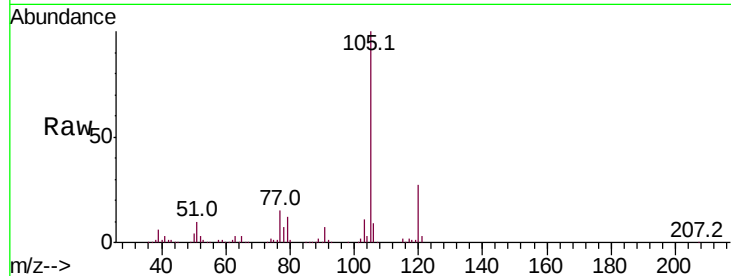
VN1119WBSD02

Tot Ion:105 Resp: 330243

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3



#74

N-ethyl acetate

Concen: 17.106 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Tgt Ion: 43 Resp: 145428

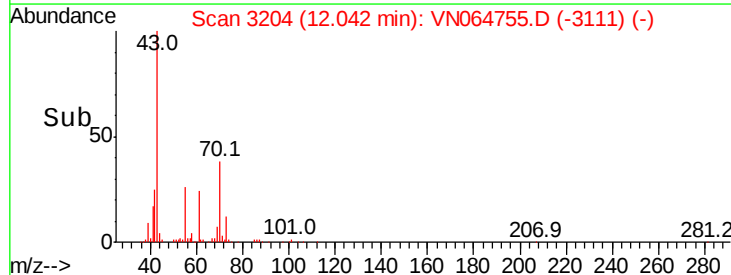
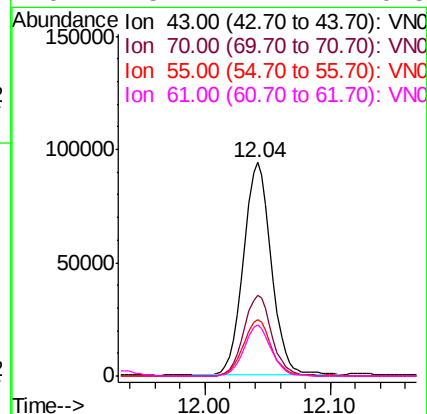
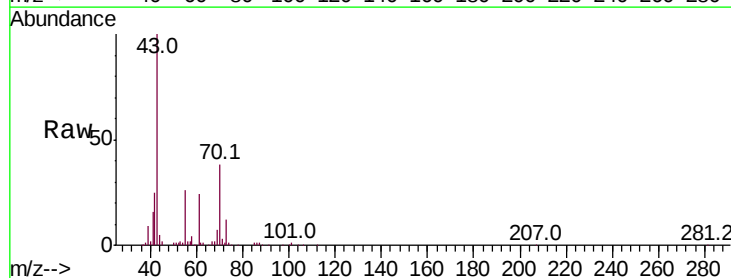
Ion Ratio Lower Upper

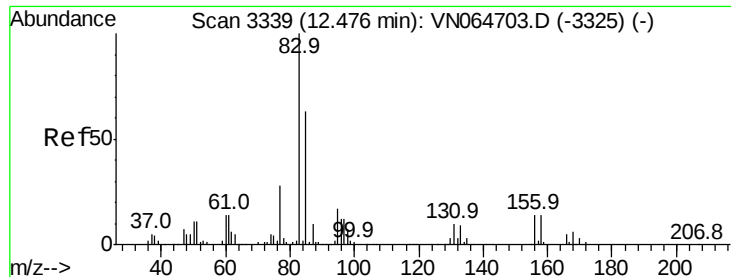
43 100

70 38.0 30.3 45.5

55 26.6 18.9 28.3

61 23.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.928 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

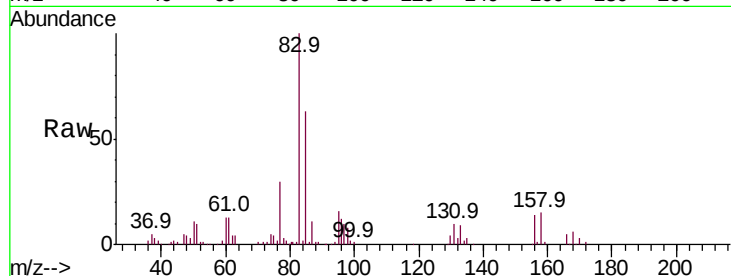
Tot Ion: 83 Resp: 96336

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

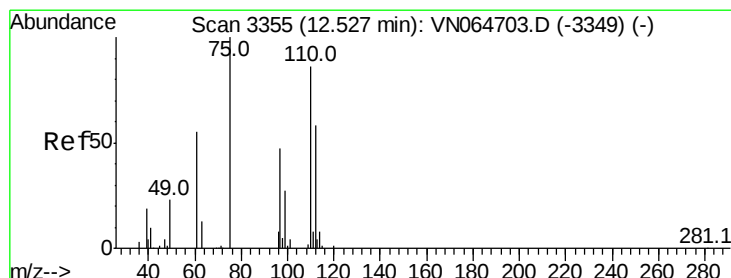
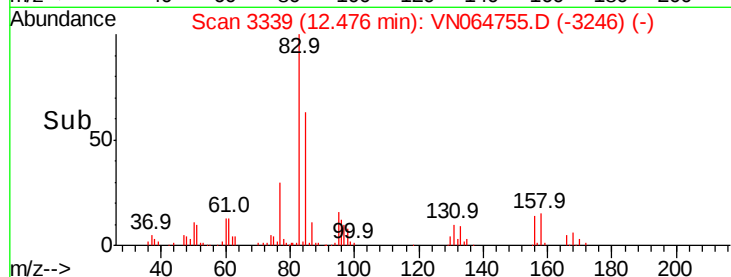
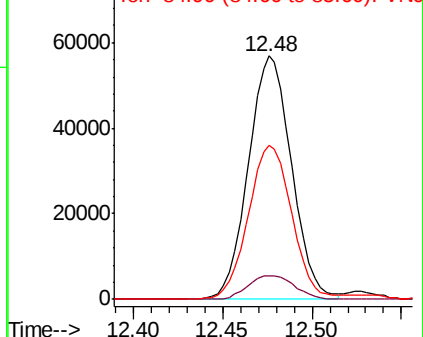
85 63.7 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN064703.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064703.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064703.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 25.999 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064755.D

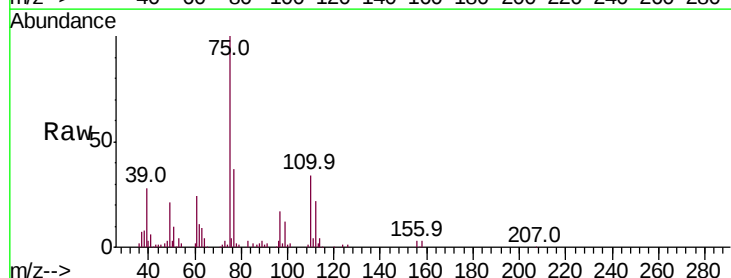
Acq: 20 Nov 2020 3:07

Tgt Ion: 75 Resp: 143631

Ion Ratio Lower Upper

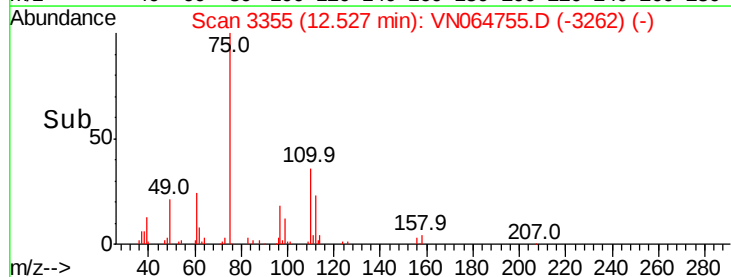
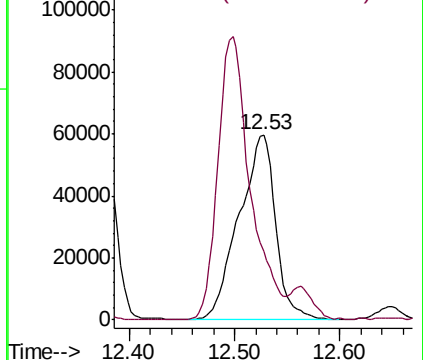
75 100

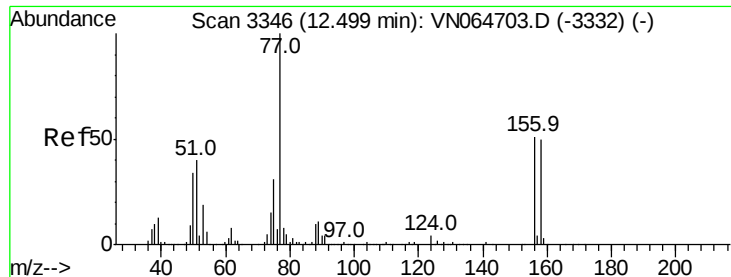
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064703.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064703.D (-3349) (-)





#77

Bromobenzene

Concen: 19.185 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

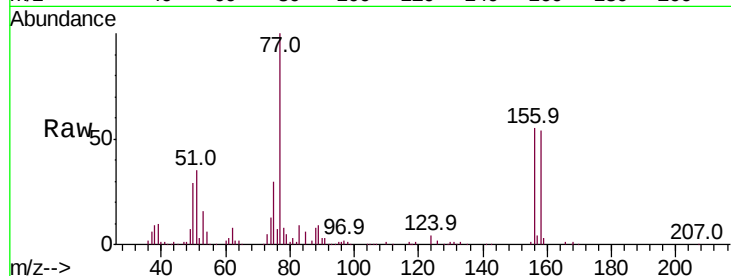
Tot Ion:156 Resp: 88086

Ion Ratio Lower Upper

156 100

77 221.5 117.3 351.9

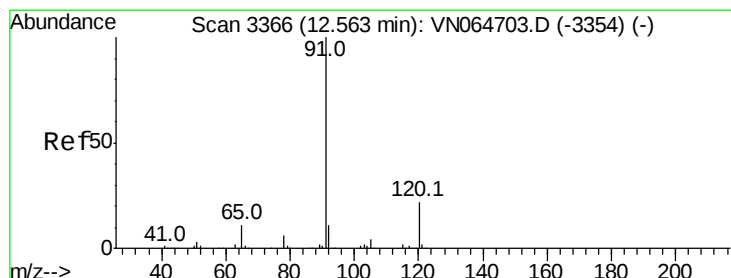
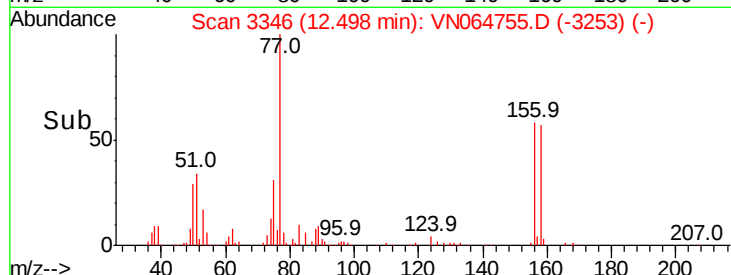
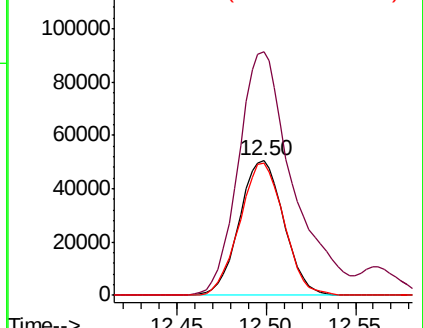
158 98.1 49.0 147.2



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: 18.140 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064755.D

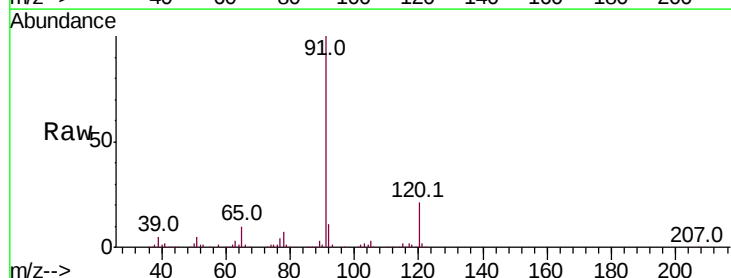
Acq: 20 Nov 2020 3:07

Tgt Ion: 91 Resp: 384574

Ion Ratio Lower Upper

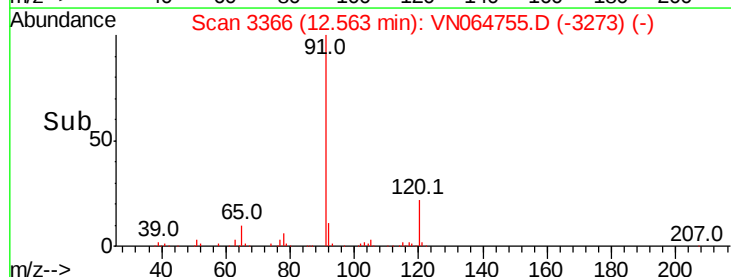
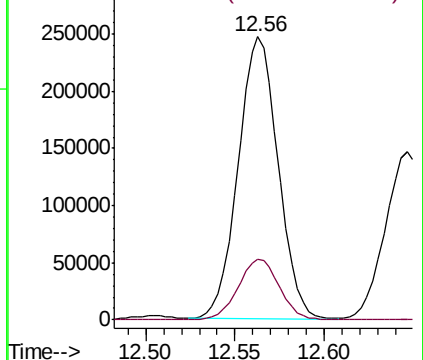
91 100

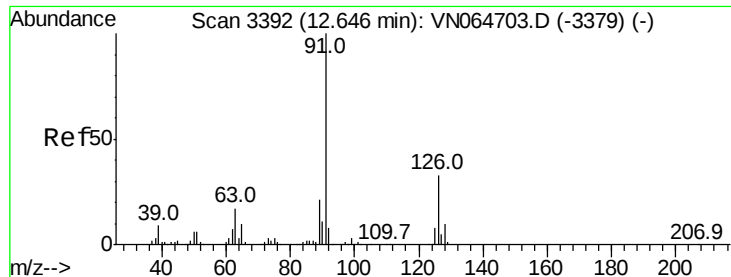
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.843 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

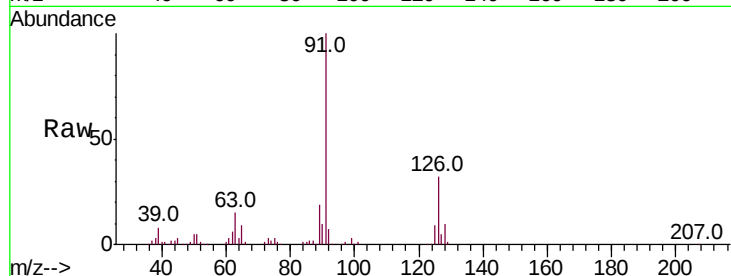
VN1119WBSD02

Tot Ion: 91 Resp: 242108

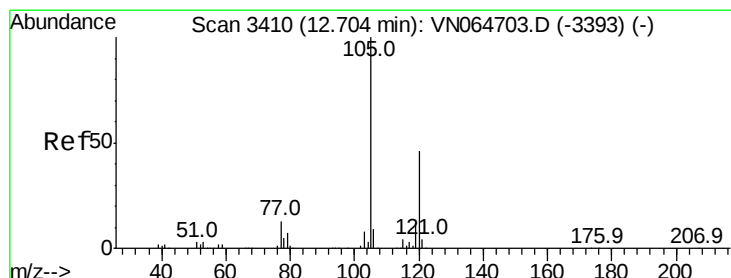
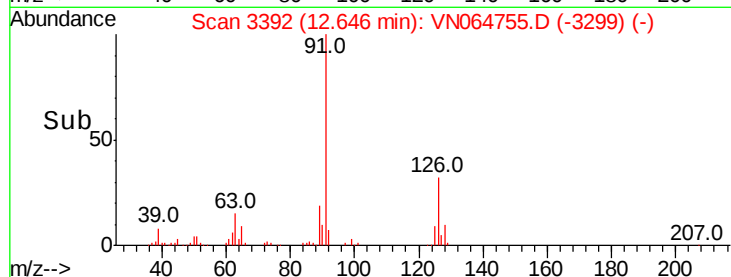
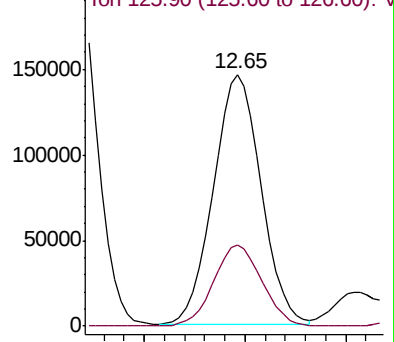
Ion Ratio Lower Upper

91 100

126 33.0 16.0 48.0



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



#80

1,3,5-Trimethylbenzene

Concen: 18.553 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064755.D

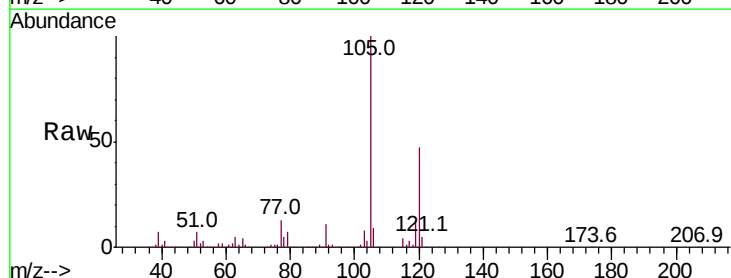
Acq: 20 Nov 2020 3:07

Tgt Ion:105 Resp: 280553

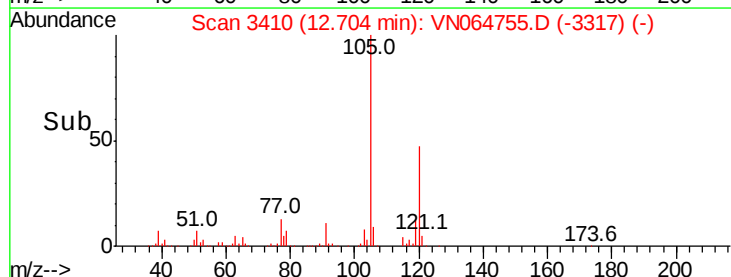
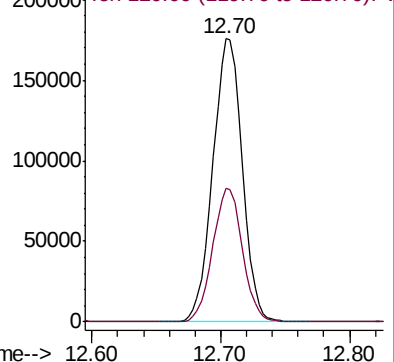
Ion Ratio Lower Upper

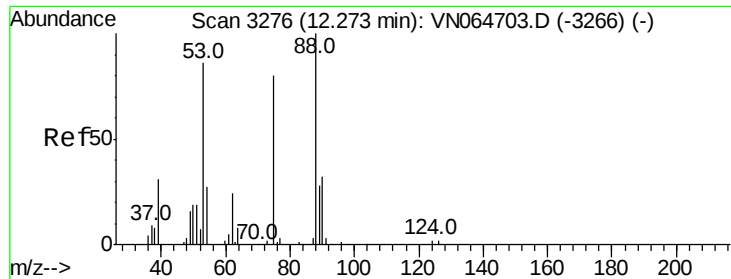
105 100

120 47.5 22.9 68.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 16.441 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

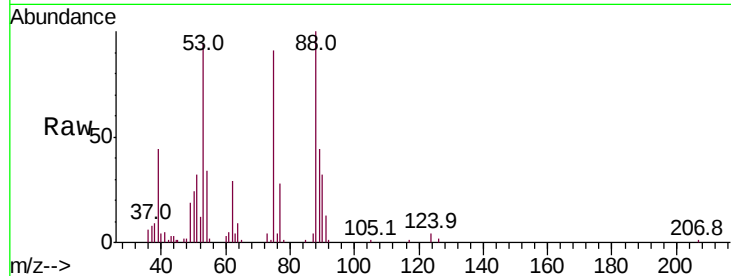
Tot Ion: 75 Resp: 32975

Ion Ratio Lower Upper

75 100

53 101.5 88.8 133.2

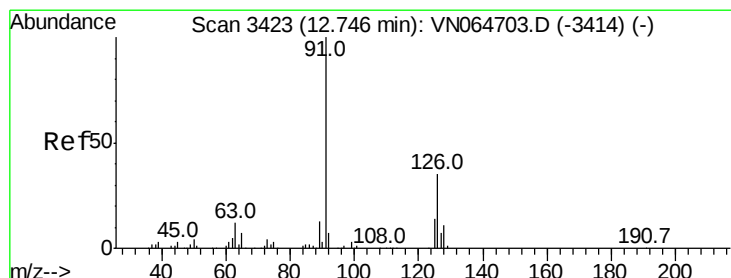
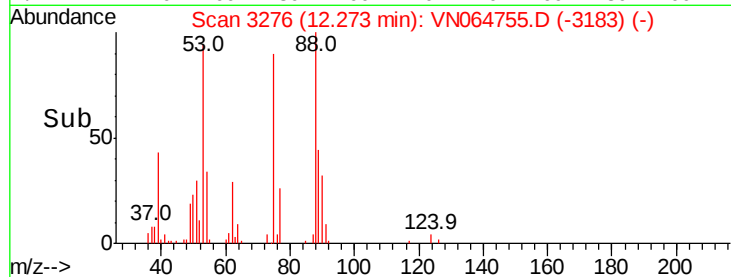
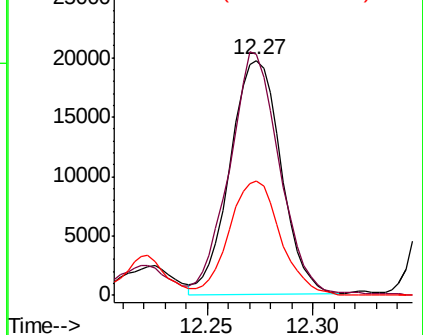
89 49.5 43.1 64.7



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: 17.832 ug/l

RT: 12.74 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN064755.D

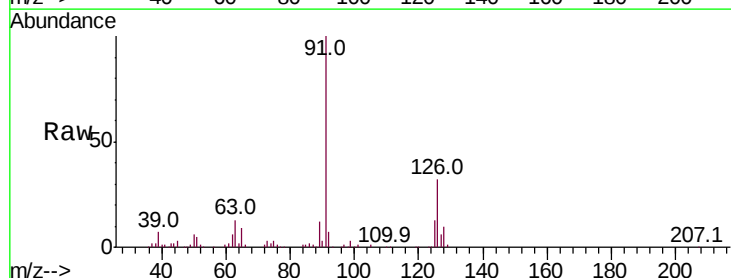
Acq: 20 Nov 2020 3:07

Tgt Ion: 91 Resp: 257997

Ion Ratio Lower Upper

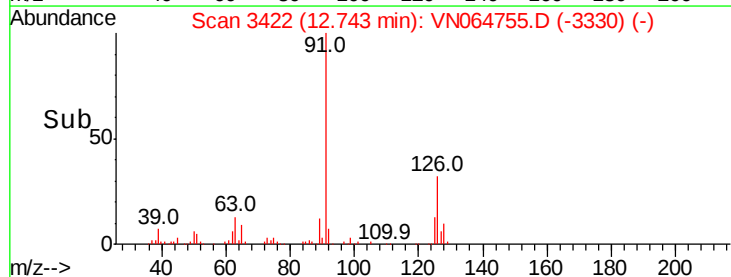
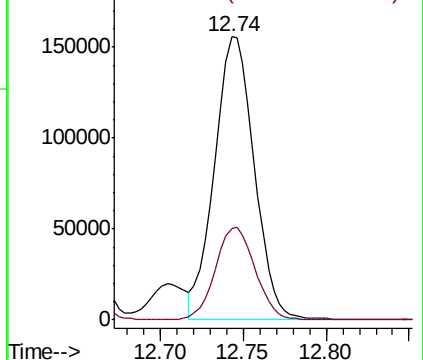
91 100

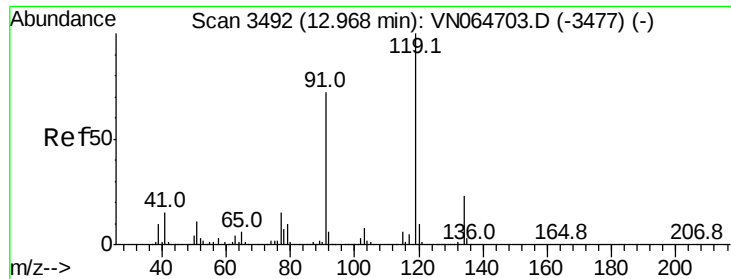
126 33.0 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

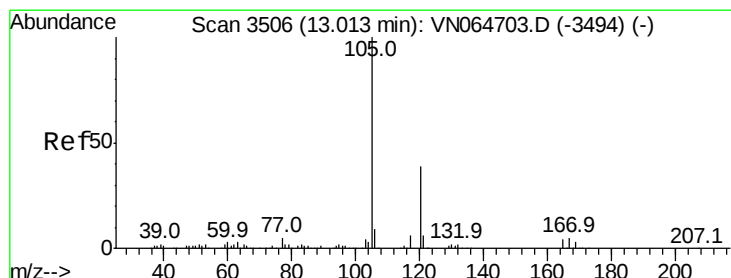
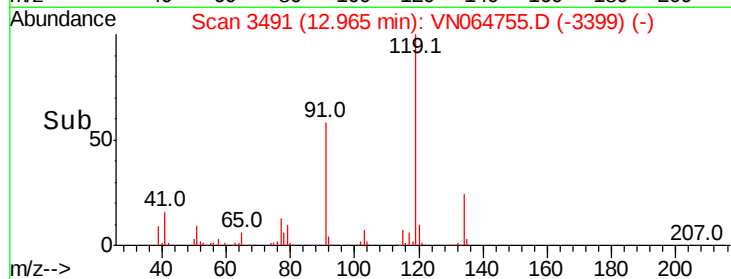
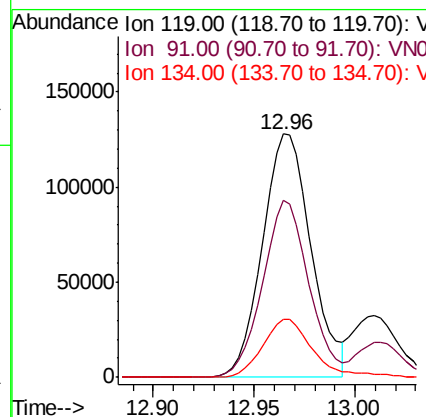
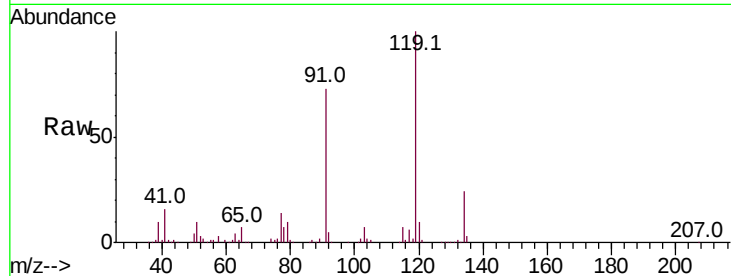




#83
 tert-Butylbenzene
 Concen: 18.369 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

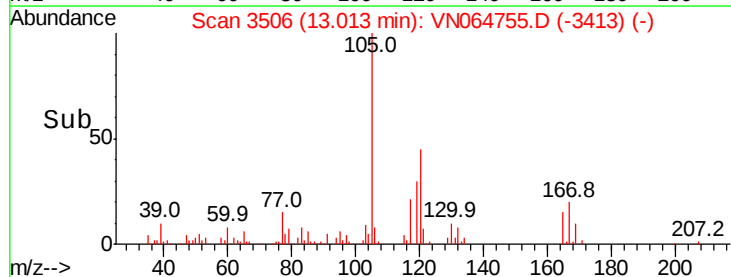
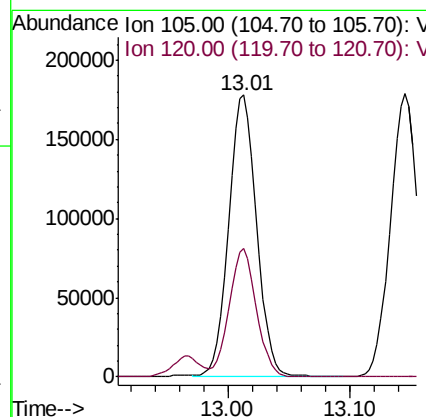
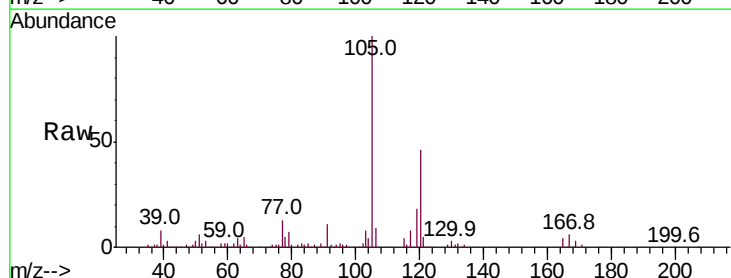
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

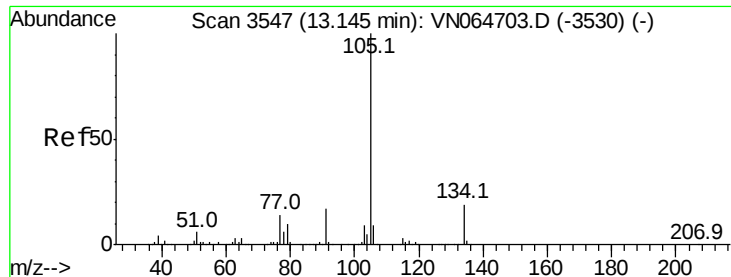
Tot Ion:119 Resp: 214889
 Ion Ratio Lower Upper
 119 100
 91 68.8 35.8 107.4
 134 24.7 12.0 36.1



#84
 1,2,4-Trimethylbenzene
 Concen: 18.445 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion:105 Resp: 284675
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 18.304 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

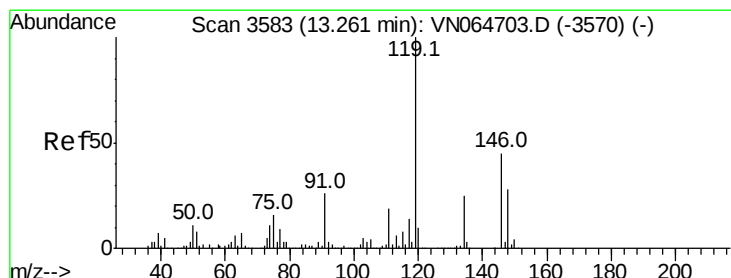
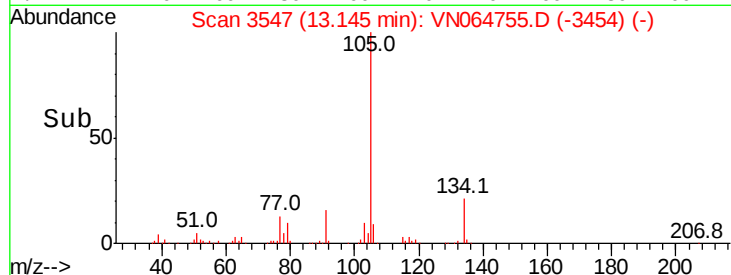
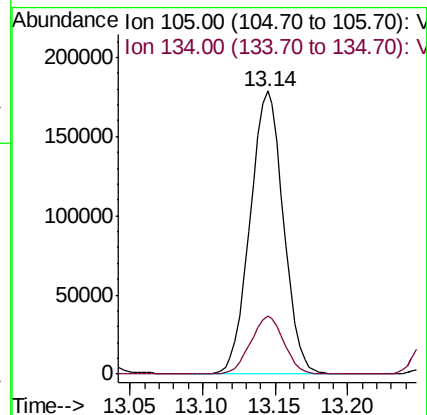
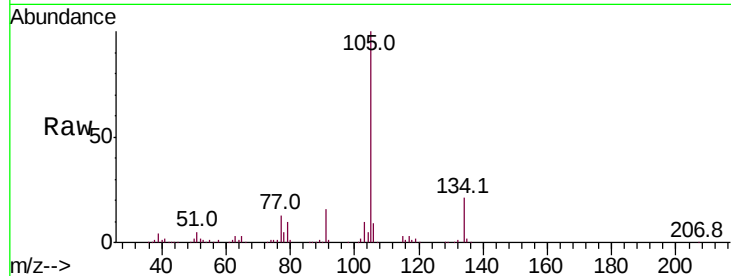
VN1119WBSD02

Tot Ion:105 Resp: 285406

Ion Ratio Lower Upper

105 100

134 20.3 9.5 28.5



#86

p-Isopropyltoluene

Concen: 17.813 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

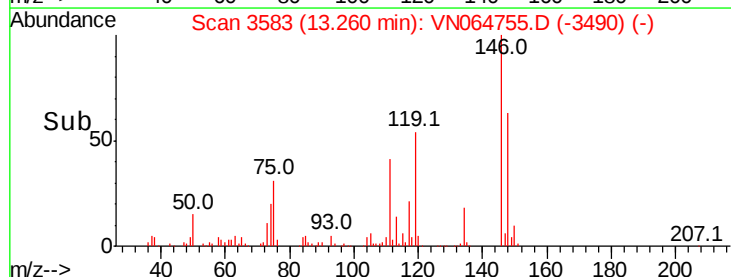
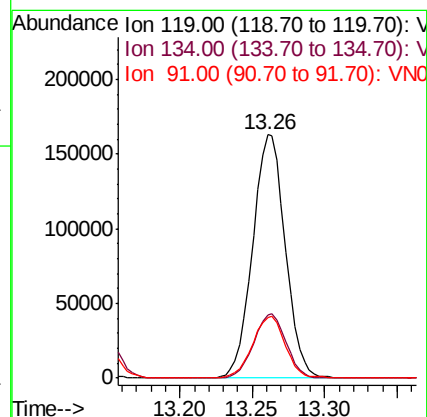
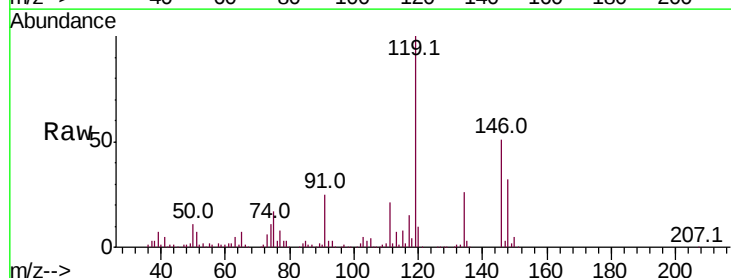
Tgt Ion:119 Resp: 255447

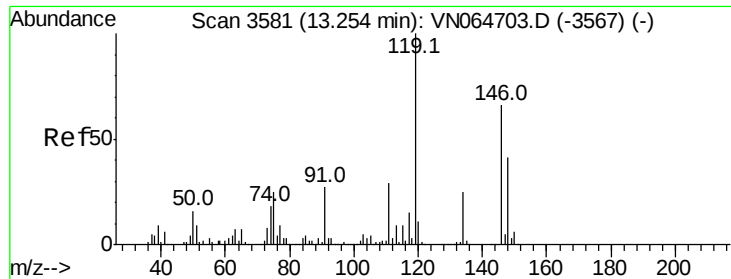
Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.0

91 25.6 13.3 39.8





#87

1,3-Dichlorobenzene

Concen: 18.690 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

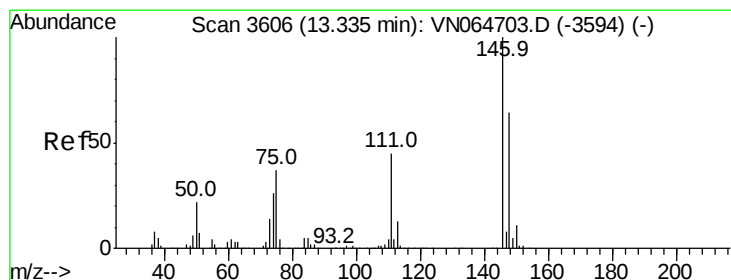
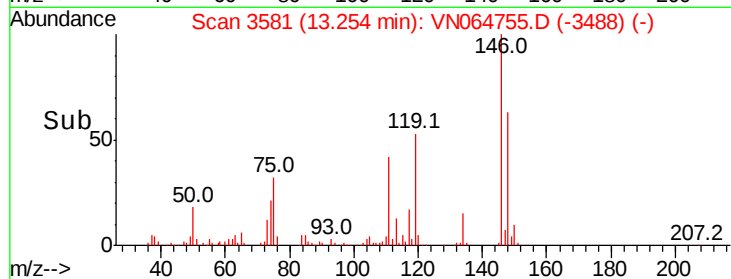
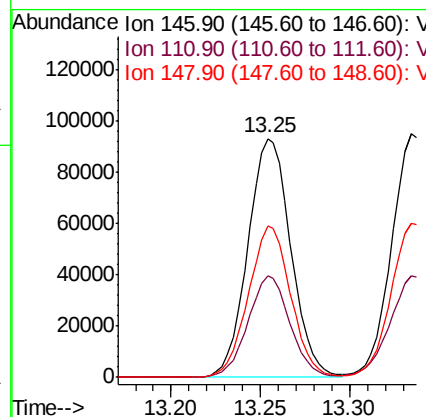
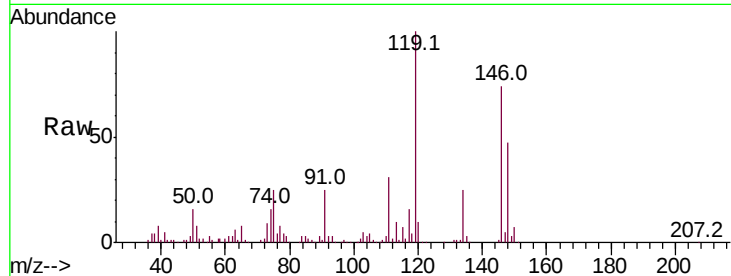
Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

Tot Ion:146 Resp: 156352

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.8	65.4
148	62.6	31.5	94.5



#88

1,4-Dichlorobenzene

Concen: 18.339 ug/l

RT: 13.33 min Scan# 3606

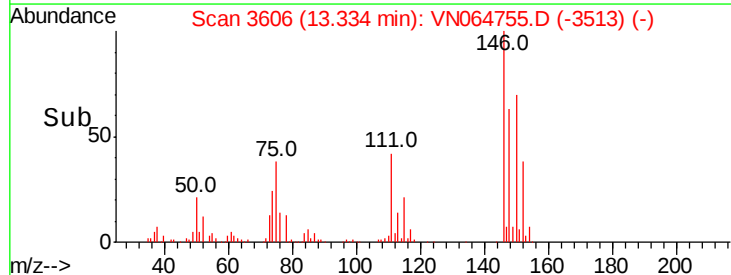
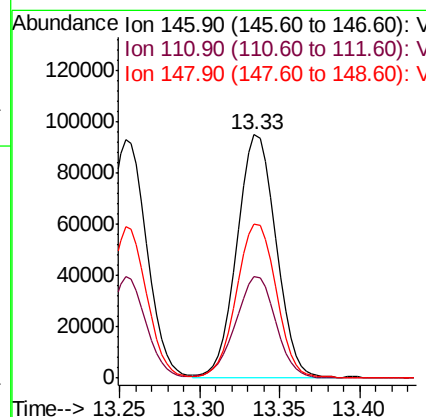
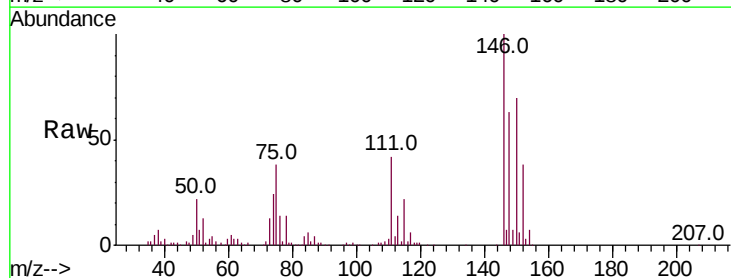
Delta R.T. -0.00 min

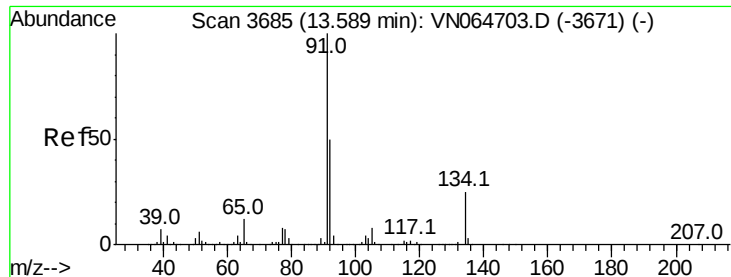
Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Tgt Ion:146 Resp: 157506

Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.3	66.8
148	64.4	31.6	94.7

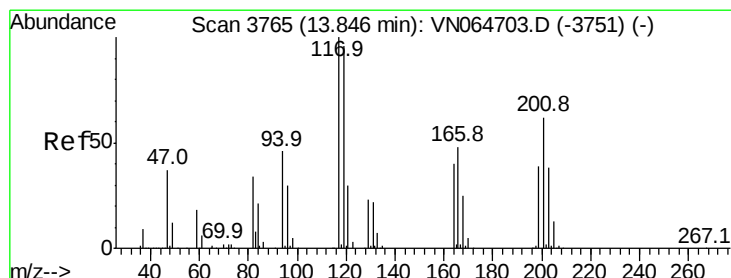
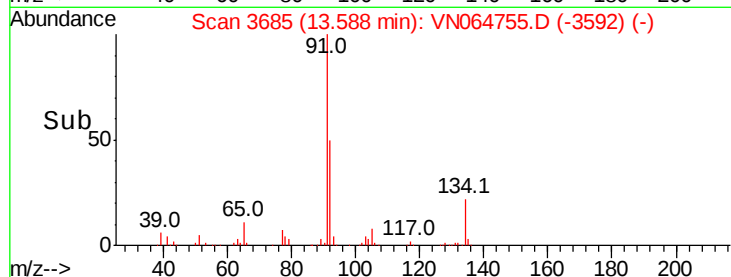
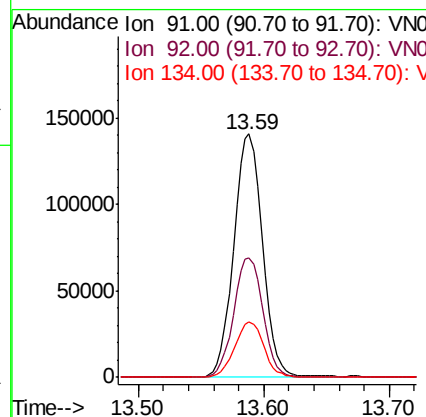
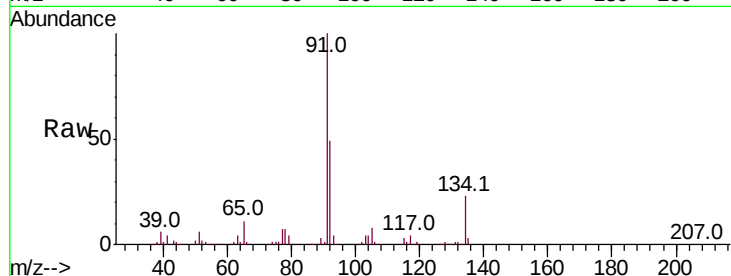




#89
n-Butylbenzene
Concen: 16.756 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

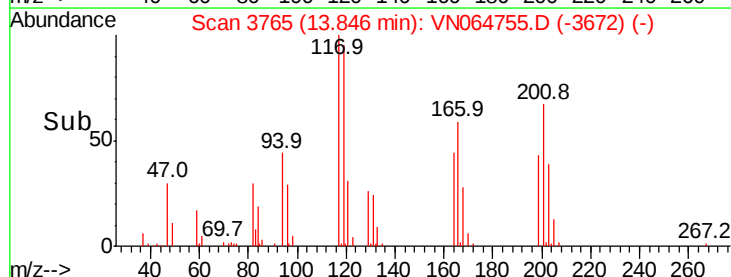
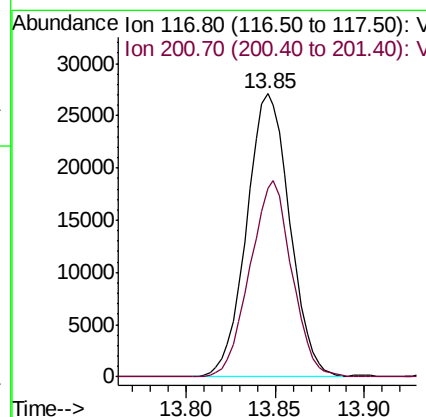
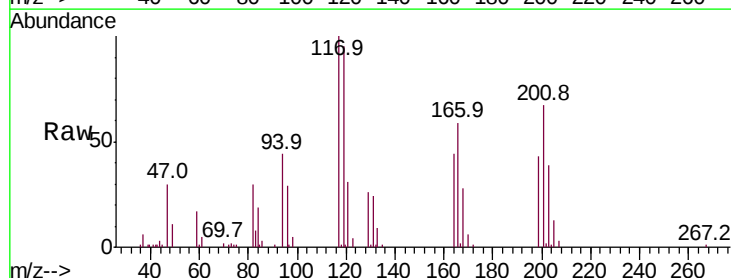
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD02

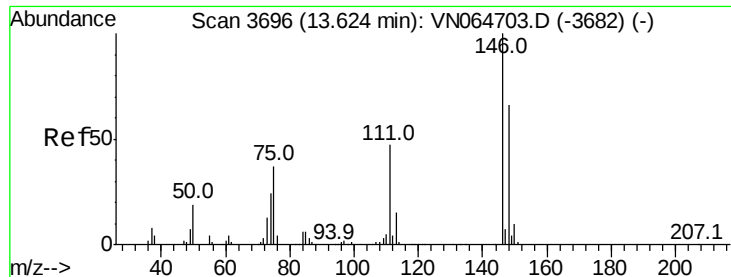
Tot Ion: 91 Resp: 224320
Ion Ratio Lower Upper
91 100
92 50.0 24.9 74.8
134 23.0 12.0 36.0



#90
Hexachloroethane
Concen: 19.317 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064755.D
Acq: 20 Nov 2020 3:07

Tgt Ion: 117 Resp: 45796
Ion Ratio Lower Upper
117 100
201 67.3 31.9 95.5

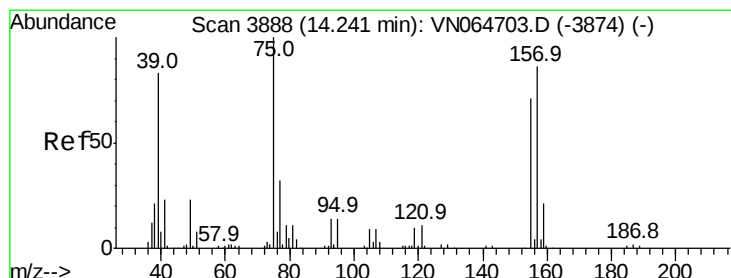
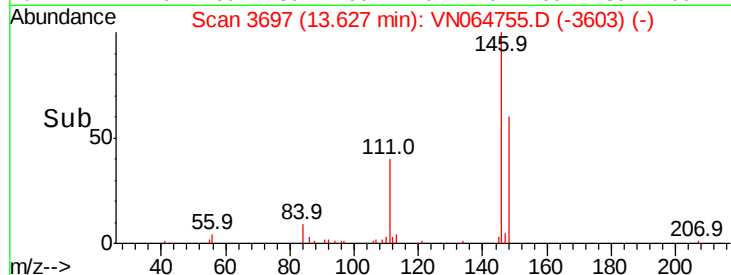
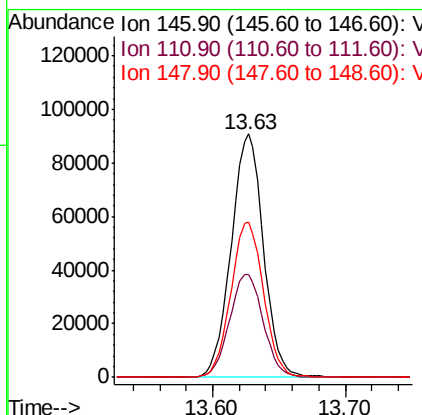
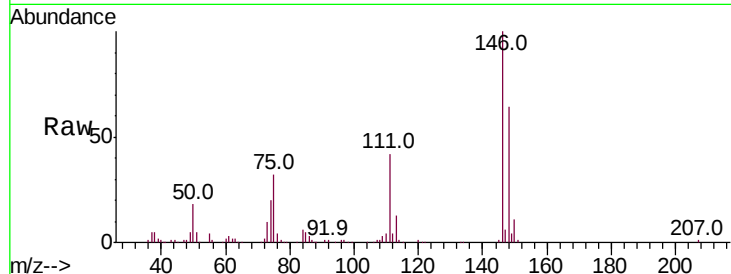




#91
 1,2-Dichlorobenzene
 Concen: 18.754 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

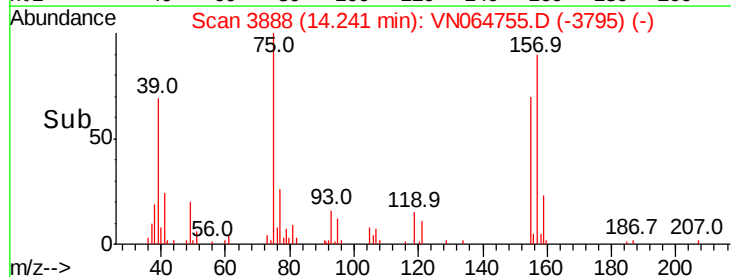
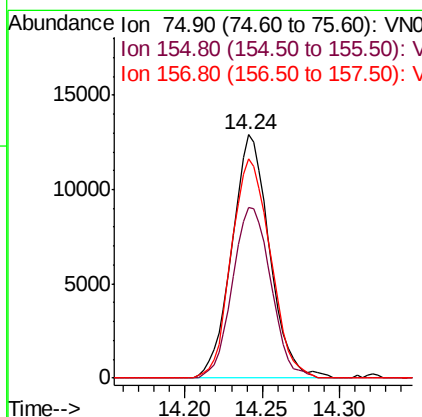
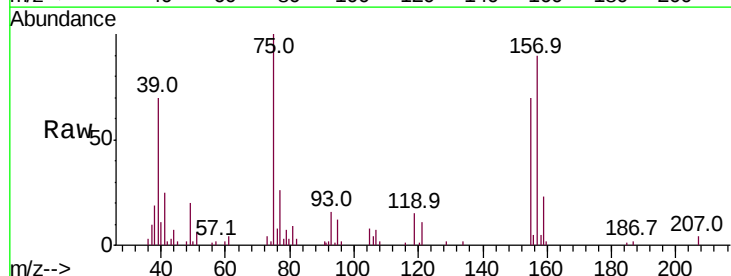
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

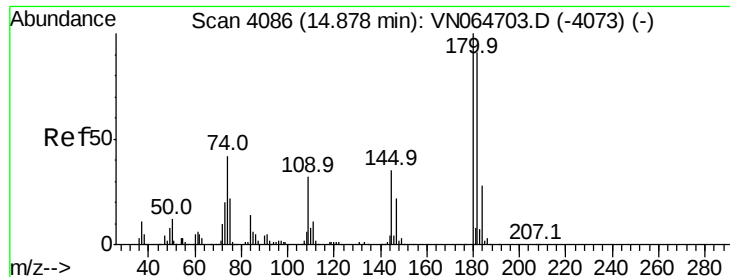
Tot Ion:146 Resp: 153334
 Ion Ratio Lower Upper
 146 100
 111 44.1 23.1 69.3
 148 64.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.358 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion: 75 Resp: 21847
 Ion Ratio Lower Upper
 75 100
 155 71.5 33.6 100.6
 157 93.3 42.4 127.2

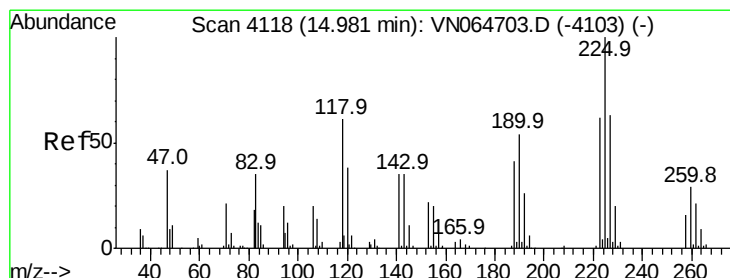
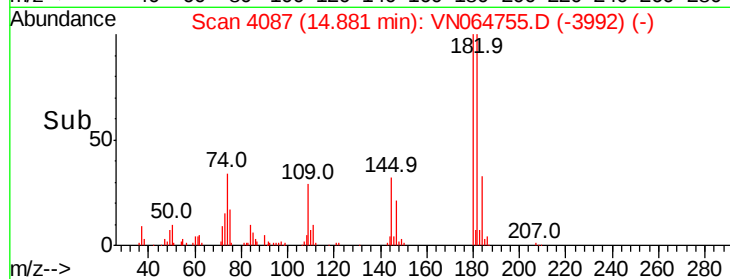
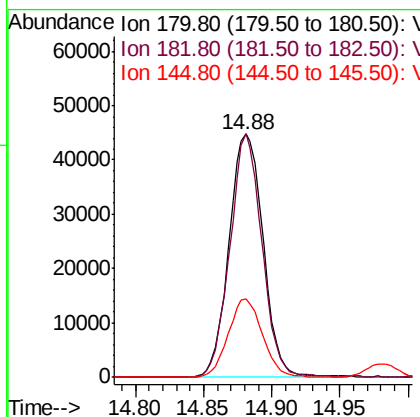
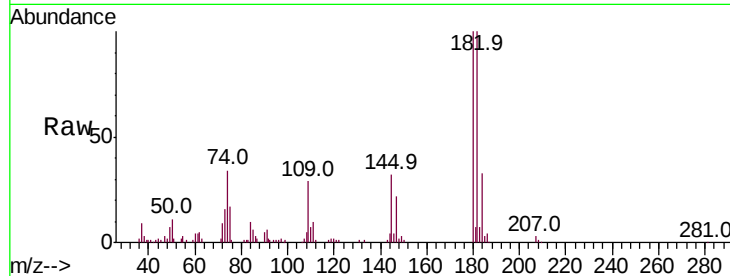




#93
 1,2,4-Trichlorobenzene
 Concen: 18.321 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

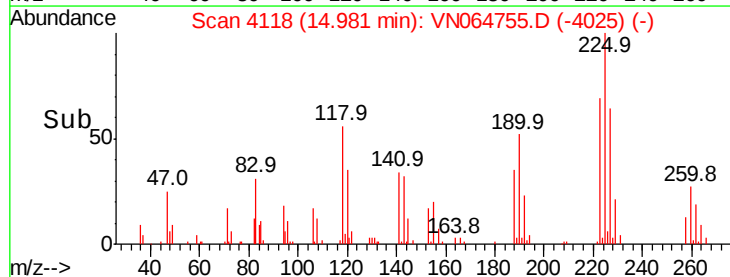
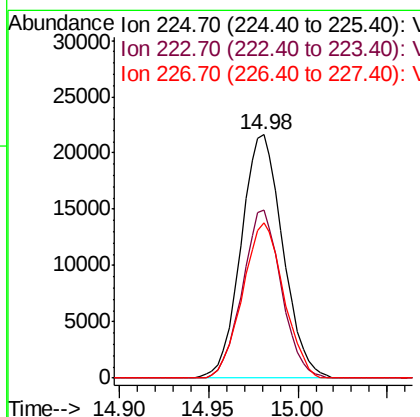
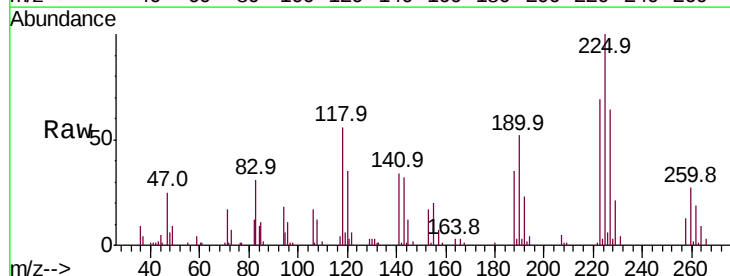
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD02

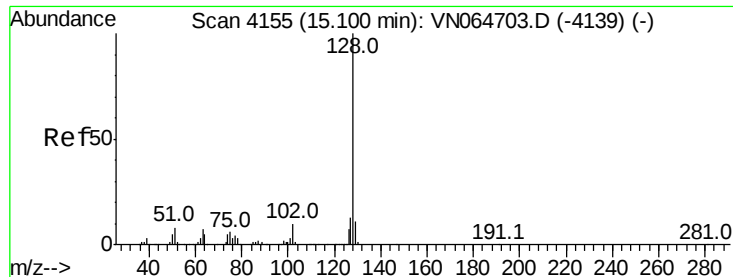
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.8
145	32.4	17.5	52.5



#94
 Hexachlorobutadiene
 Concen: 19.046 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064755.D
 Acq: 20 Nov 2020 3:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.2	93.6
227	62.7	32.1	96.3





#95

Naphthalene

Concen: 16.684 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD02

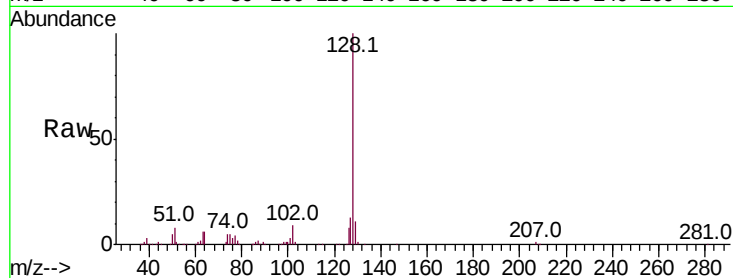
Tot Ion:128 Resp: 240434

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

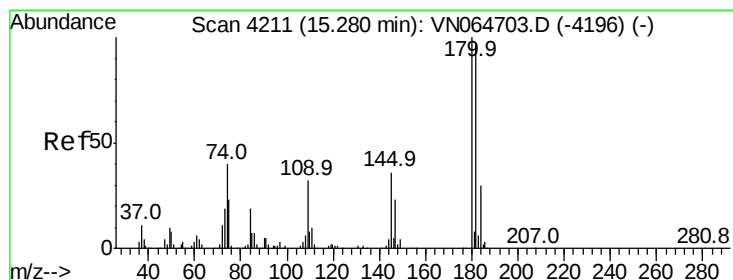
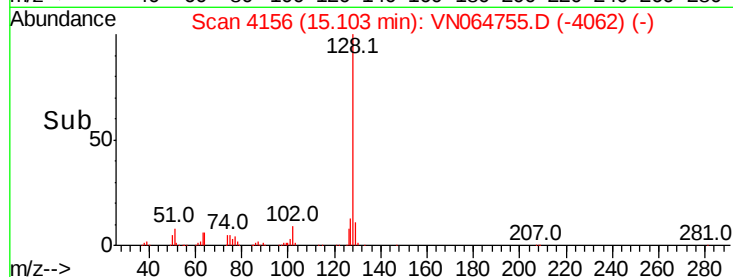
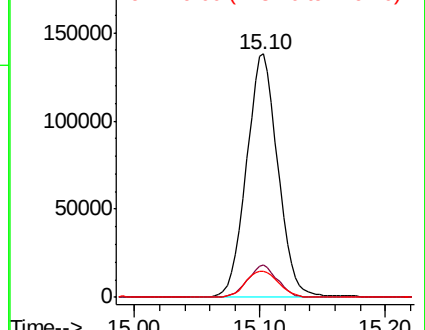
129 11.3 8.9 13.3



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: 18.009 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064755.D

Acq: 20 Nov 2020 3:07

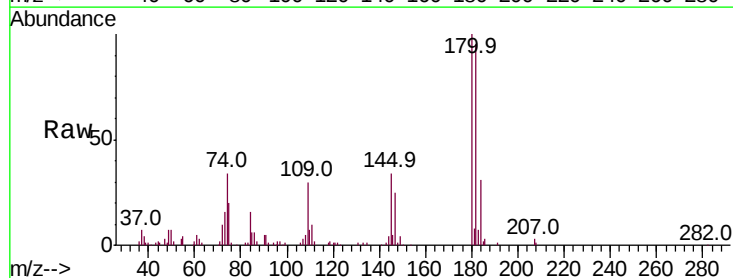
Tgt Ion:180 Resp: 74724

Ion Ratio Lower Upper

180 100

182 94.3 47.5 142.5

145 36.1 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

