

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065013.D
 Acq On : 9 Dec 2020 12:13
 Operator : JC/MD
 Sample : VN1209WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Quant Time: Dec 10 04:06:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	197446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	303425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130751	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	108400	47.22	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.44%	
35) Dibromofluoromethane		7.55	113	92091	50.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.44%	
50) Toluene-d8		10.06	98	345233	46.54	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.08%	
62) 4-Bromofluorobenzene		12.37	95	123062	46.35	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	25331	14.803	ug/l	99
3) Chloromethane	2.04	50	32613	14.666	ug/l	99
4) Vinyl Chloride	2.17	62	37140	16.020	ug/l	100
5) Bromomethane	2.53	94	25227	16.585	ug/l	95
6) Chloroethane	2.67	64	25291	17.637	ug/l	98
7) Trichlorofluoromethane	2.99	101	55633	17.359	ug/l	99
8) Diethyl Ether	3.37	74	22968	18.157	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	34750	18.076	ug/l	98
10) Methyl Iodide	3.91	142	39834	15.974	ug/l	99
11) Tert butyl alcohol	4.74	59	28232	78.865	ug/l	100
12) 1,1-Dichloroethene	3.69	96	32509	16.979	ug/l	98
13) Acrolein	3.56	56	18701	85.525	ug/l	98
14) Allyl chloride	4.27	41	52287	16.557	ug/l	99
15) Acrylonitrile	4.93	53	86834	87.806	ug/l	98
16) Acetone	3.78	43	80634	106.860	ug/l	97
17) Carbon Disulfide	4.01	76	75106	15.196	ug/l	100
18) Methyl Acetate	4.28	43	42737	18.838	ug/l #	74
19) Methyl tert-butyl Ether	4.99	73	112402	18.305	ug/l	98
20) Methylene Chloride	4.50	84	41471	17.539	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	34740	16.339	ug/l	99
22) Diisopropyl ether	5.90	45	117630	18.610	ug/l	98
23) Vinyl Acetate	5.84	43	456589	90.332	ug/l	99
24) 1,1-Dichloroethane	5.79	63	69878	18.499	ug/l	99
25) 2-Butanone	6.79	43	112365	91.861	ug/l	98
26) 2,2-Dichloropropane	6.77	77	58098	17.733	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	41945	17.532	ug/l	99
28) Bromochloromethane	7.15	49	31850	18.431	ug/l	96
29) Tetrahydrofuran	7.17	42	73542	87.097	ug/l	98
30) Chloroform	7.33	83	72211	18.537	ug/l	99
31) Cyclohexane	7.61	56	51260	16.022	ug/l	95
32) 1,1,1-Trichloroethane	7.52	97	59481	17.778	ug/l	99
36) 1,1-Dichloropropene	7.75	75	49560	17.622	ug/l	98
37) Ethyl Acetate	6.88	43	46540	17.179	ug/l	98
38) Carbon Tetrachloride	7.73	117	51983	17.764	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	48667	16.074	ug/l	99
40) Benzene	8.00	78	155313	18.021	ug/l	99
41) Methacrylonitrile	7.12	41	19817	15.853	ug/l	99
42) 1,2-Dichloroethane	8.08	62	53726	18.479	ug/l	100
43) Isopropyl Acetate	8.13	43	78285	17.958	ug/l	99
44) Trichloroethene	8.80	130	43480	17.099	ug/l	99
45) 1,2-Dichloropropane	9.08	63	42091	18.859	ug/l	100
46) Dibromomethane	9.17	93	27658	18.550	ug/l	98
47) Bromodichloromethane	9.37	83	56504	18.834	ug/l	97
48) Methyl methacrylate	9.16	41	35568	17.075	ug/l	99
49) 1,4-Dioxane	9.16	88	13264	336.906	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	230232	87.972	ug/l	99
52) Toluene	10.12	92	98112	18.486	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	59920	17.932	ug/l	97
54) cis-1,3-Dichloropropene	9.80	75	66076	18.448	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	40642	18.622	ug/l	98
56) Ethyl methacrylate	10.40	69	52995	17.596	ug/l	100
57) 1,3-Dichloropropane	10.68	76	67666	18.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	140606	84.872	ug/l	99
59) 2-Hexanone	10.72	43	164233	87.196	ug/l	98
60) Dibromochloromethane	10.87	129	45372	18.702	ug/l	98
61) 1,2-Dibromoethane	10.97	107	40347	18.196	ug/l	100
64) Tetrachloroethene	10.60	164	45004	17.069	ug/l	97
65) Chlorobenzene	11.40	112	109650	18.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	41588	19.445	ug/l	98
67) Ethyl Benzene	11.48	91	176962	18.202	ug/l	98
68) m/p-Xylenes	11.59	106	138358	37.588	ug/l	99
69) o-Xylene	11.92	106	67463	19.314	ug/l	96
70) Styrene	11.94	104	112400	19.061	ug/l	98
71) Bromoform	12.10	173	30724	17.986	ug/l #	98
73) Isopropylbenzene	12.22	105	172365	18.952	ug/l	99
74) N-amyl acetate	12.04	43	61589	17.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	53812	20.187	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	71235	25.298	ug/l #	100
77) Bromobenzene	12.50	156	46819	19.095	ug/l	98
78) n-propylbenzene	12.56	91	195962	18.914	ug/l	99
79) 2-Chlorotoluene	12.65	91	120692	18.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	148166	19.600	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	17985	17.506	ug/l	96
82) 4-Chlorotoluene	12.75	91	127205	18.949	ug/l	99
83) tert-Butylbenzene	12.96	119	120965	19.091	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	150257	19.659	ug/l	99
85) sec-Butylbenzene	13.14	105	158463	18.836	ug/l	99
86) p-Isopropyltoluene	13.26	119	144629	18.883	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	81677	18.750	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	82964	18.009	ug/l	98
89) n-Butylbenzene	13.59	91	117141	17.415	ug/l	99
90) Hexachloroethane	13.85	117	25493	19.159	ug/l	95
91) 1,2-Dichlorobenzene	13.62	146	81615	19.081	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10386	17.316	ug/l	93

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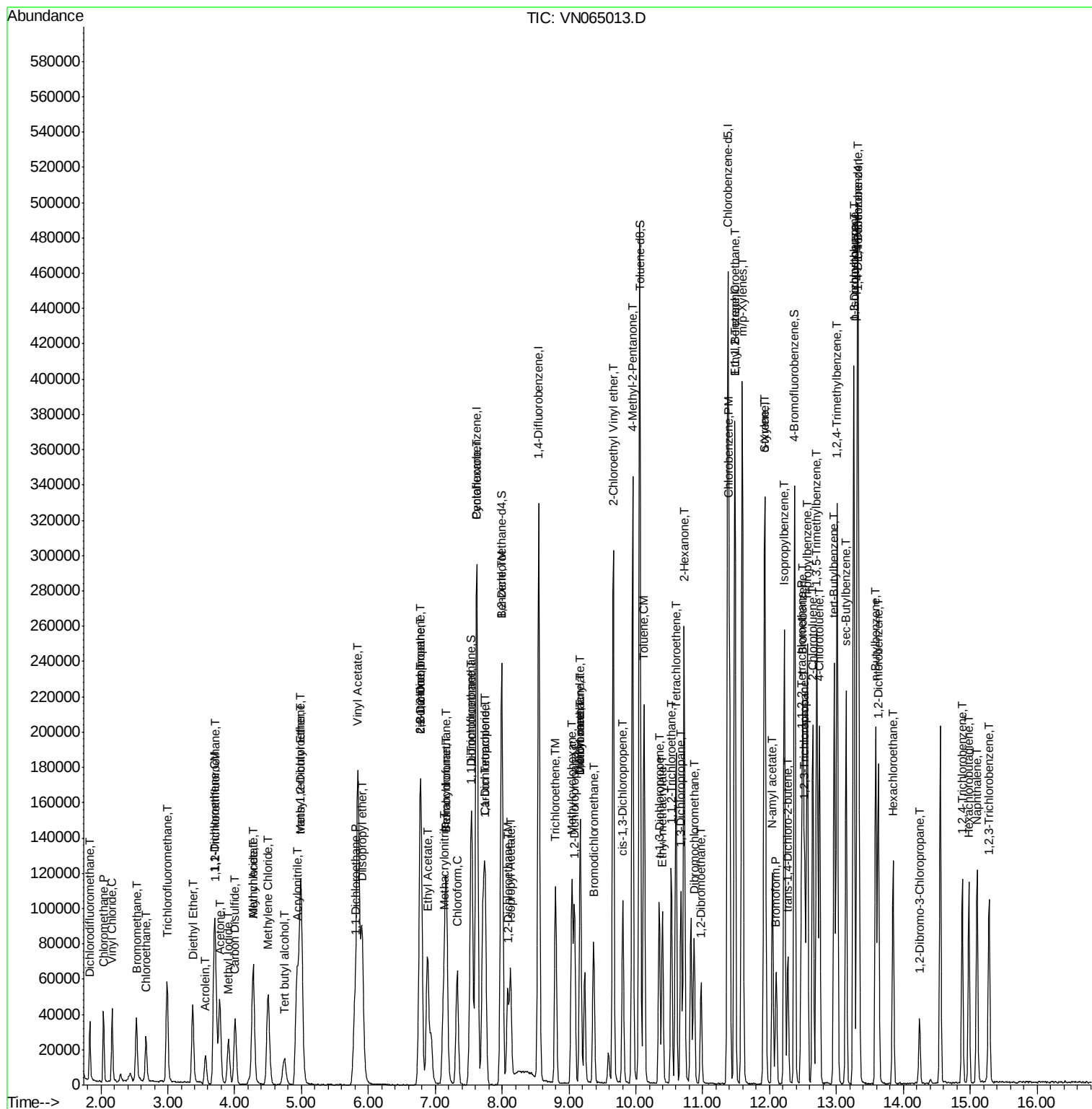
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	40140	15.170	ug/l	97
94) Hexachlorobutadiene	14.98	225	23366	19.837	ug/l	97
95) Naphthalene	15.10	128	107654	13.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	37295	15.811	ug/l	99

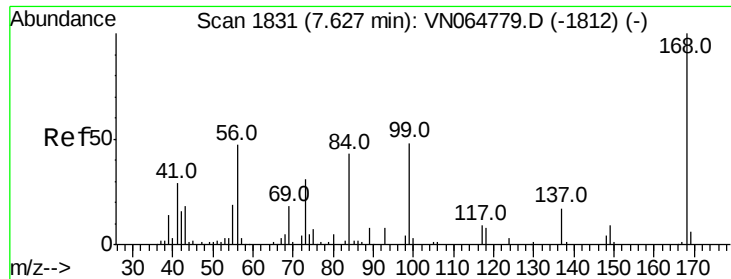
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120920\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

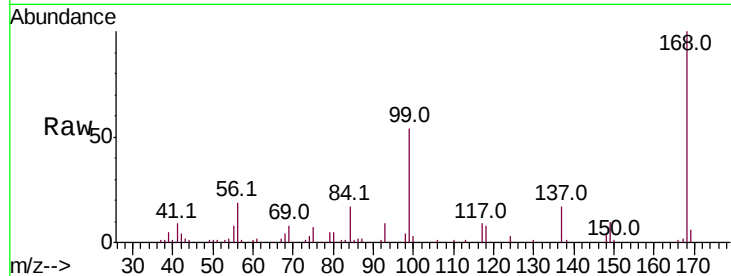
VN1209WBSD01

Tot Ion:168 Resp: 197446

Ion Ratio Lower Upper

168 100

99 53.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

40000

20000

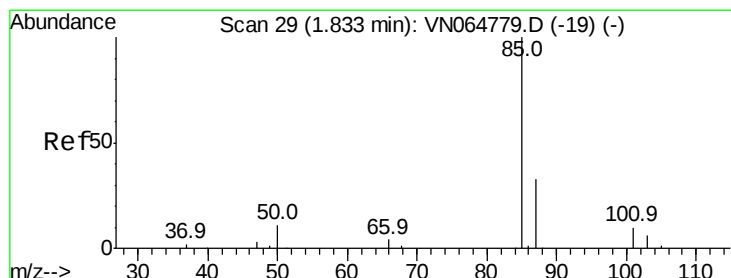
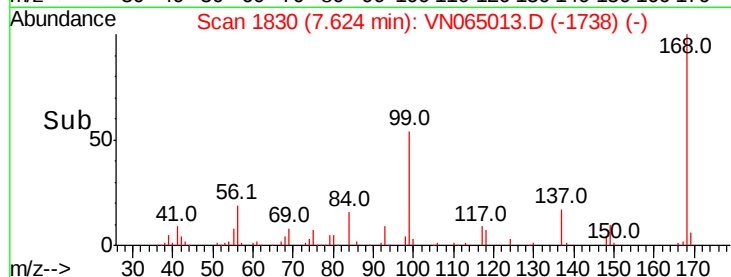
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Time-->

7.50

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 14.803 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065013.D

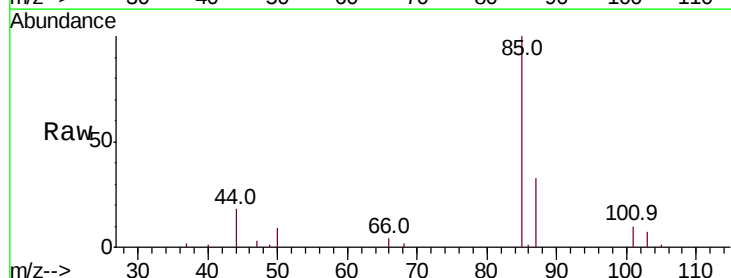
Acq: 9 Dec 2020 12:13

Tgt Ion: 85 Resp: 25331

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

20000

15000

10000

5000

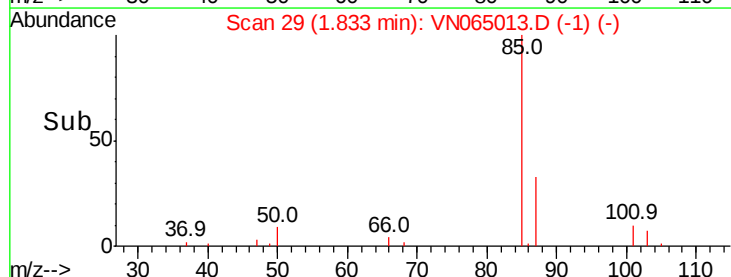
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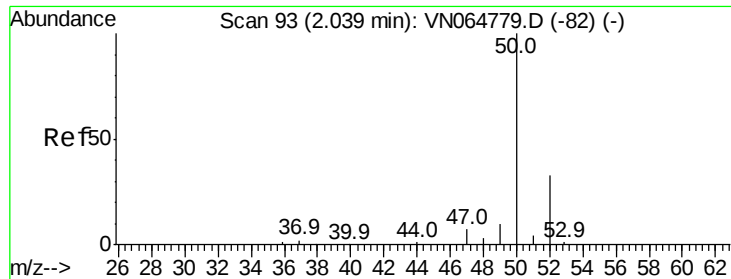
Time-->

1.80

1.85

1.90





#3

Chloromethane

Concen: 14.666 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

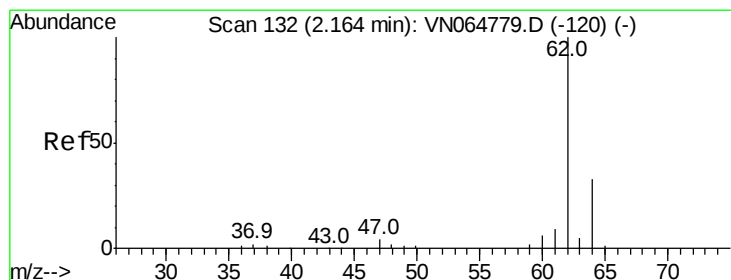
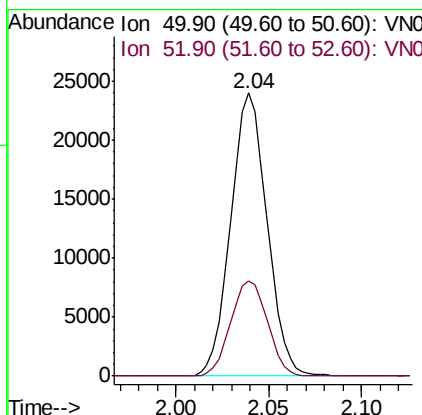
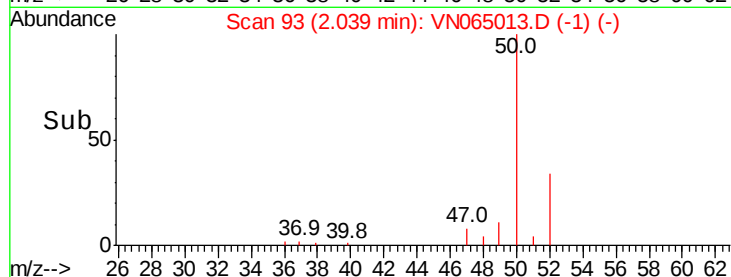
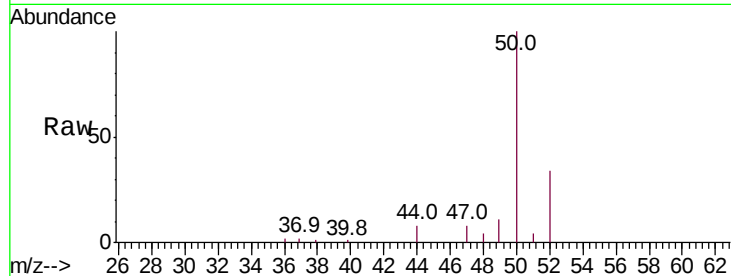
VN1209WBSD01

Tot Ion: 50 Resp: 32613

Ion Ratio Lower Upper

50 100

52 33.8 26.6 39.8



#4

Vinyl Chloride

Concen: 16.020 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065013.D

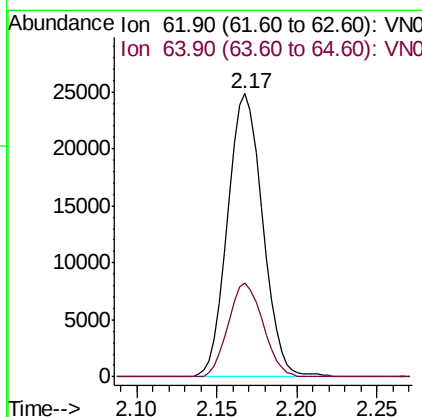
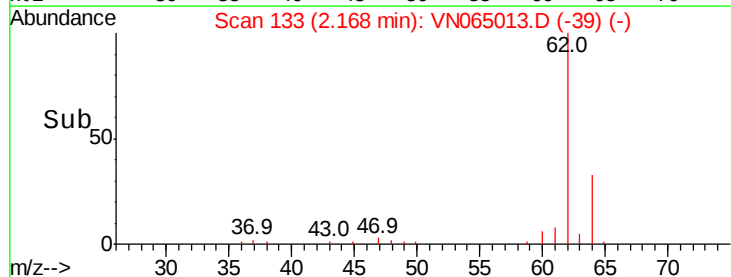
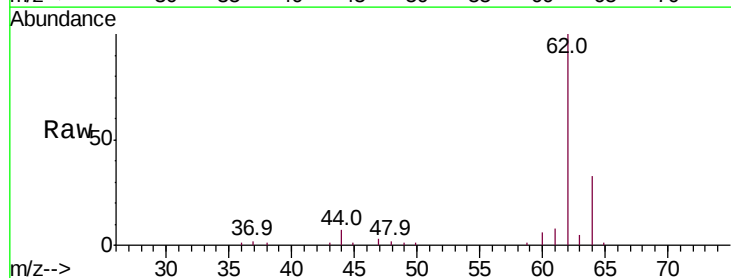
Acq: 9 Dec 2020 12:13

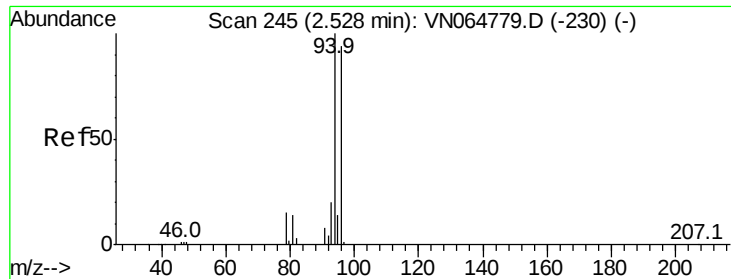
Tgt Ion: 62 Resp: 37140

Ion Ratio Lower Upper

62 100

64 33.3 26.5 39.7





#5

Bromomethane

Concen: 16.585 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

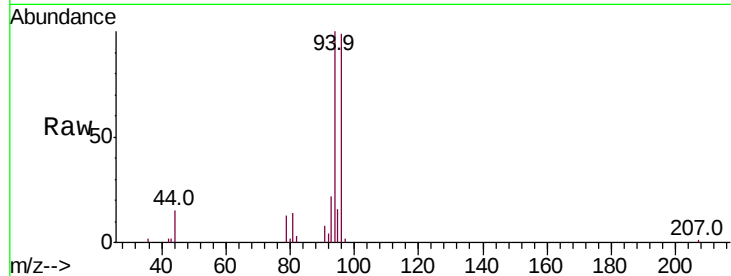
VN1209WBSD01

Tot Ion: 94 Resp: 25227

Ion Ratio Lower Upper

94 100

96 98.7 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VN064779.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064779.D (-230) (-)

2.53

15000

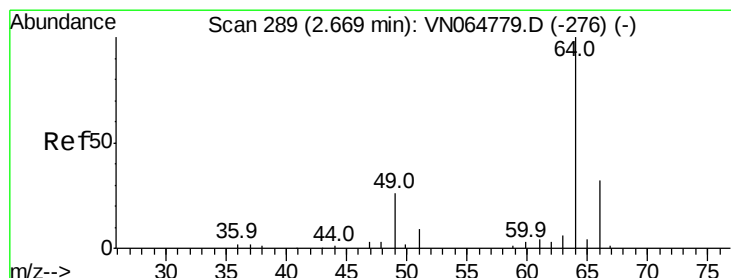
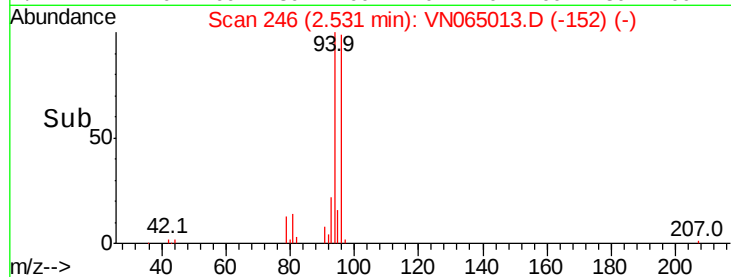
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 17.637 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065013.D

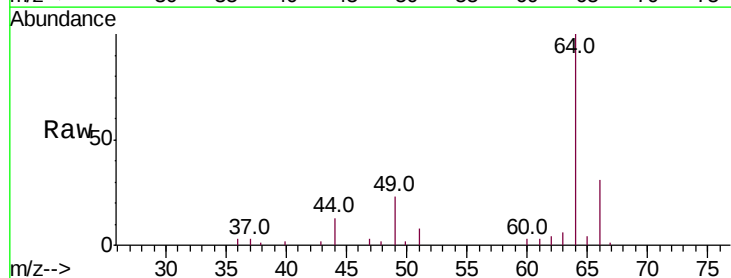
Acq: 9 Dec 2020 12:13

Tgt Ion: 64 Resp: 25291

Ion Ratio Lower Upper

64 100

66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN064779.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN064779.D (-276) (-)

2.67

15000

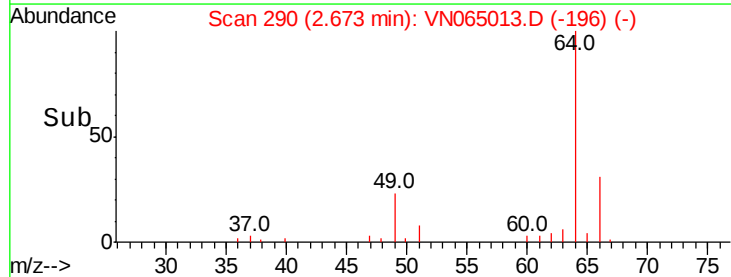
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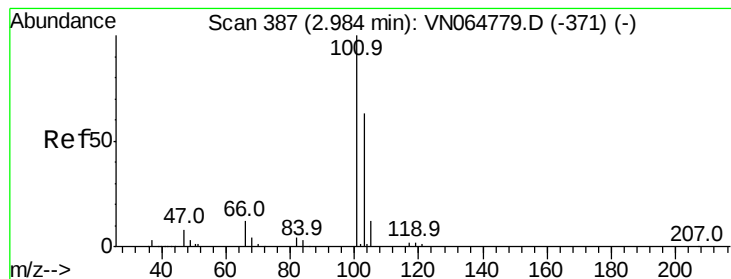
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Time-->

2.60 2.65 2.70 2.75



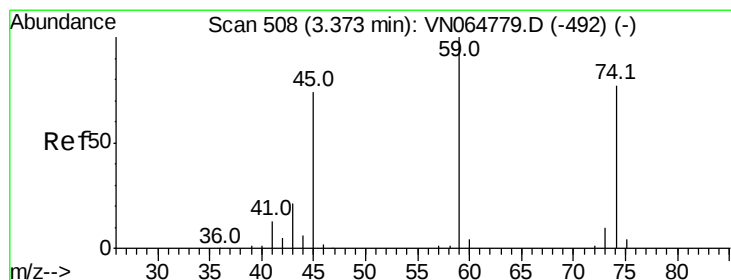
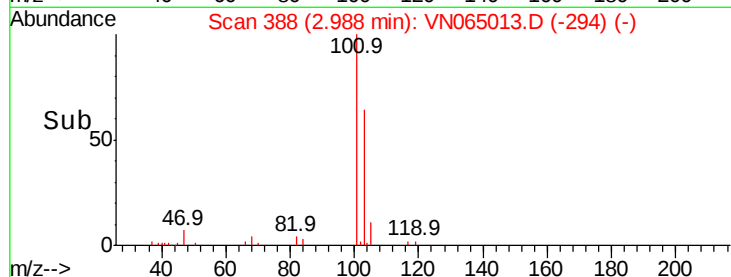
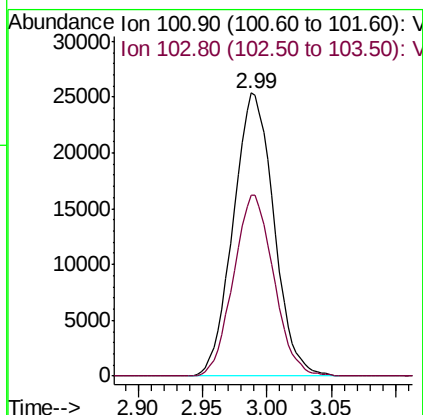
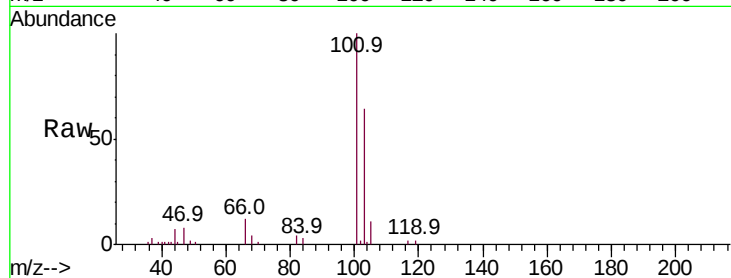


#7

Trichlorofluoromethane
 Concen: 17.359 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

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 VN1209WBSD01

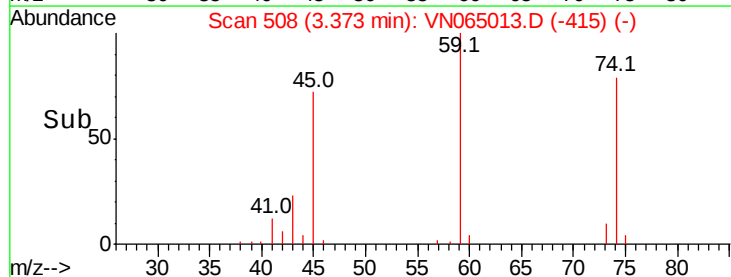
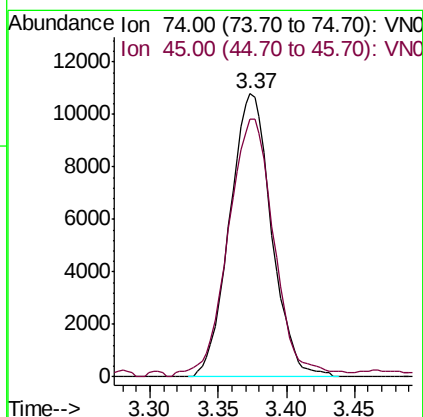
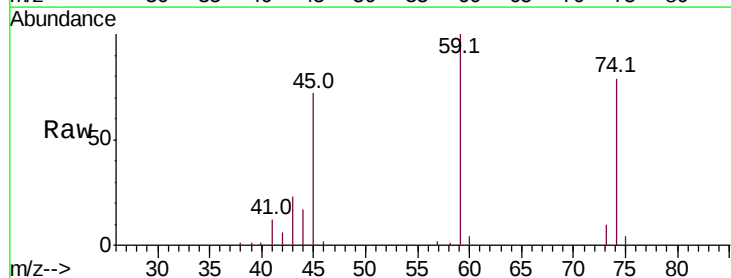
Tot Ion:101 Resp: 55633
 Ion Ratio Lower Upper
 101 100
 103 64.0 50.5 75.7

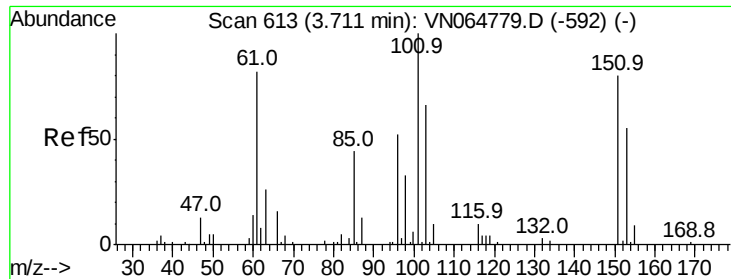


#8

Diethyl Ether
 Concen: 18.157 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion: 74 Resp: 22968
 Ion Ratio Lower Upper
 74 100
 45 100.4 48.9 146.8

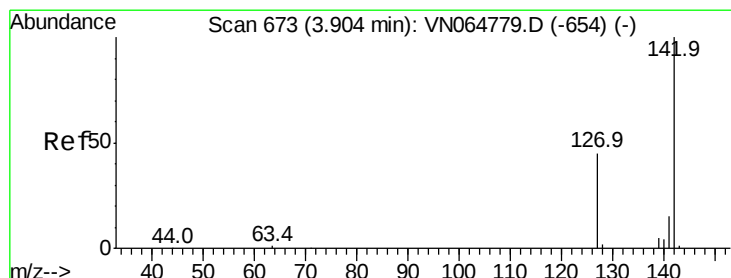
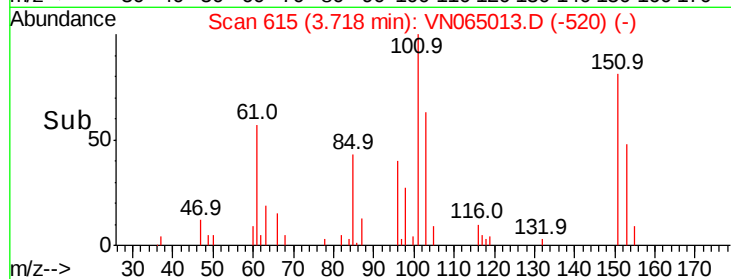
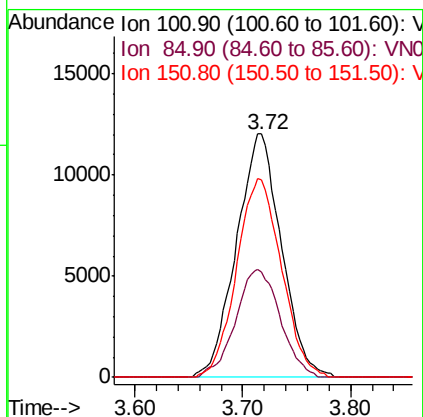
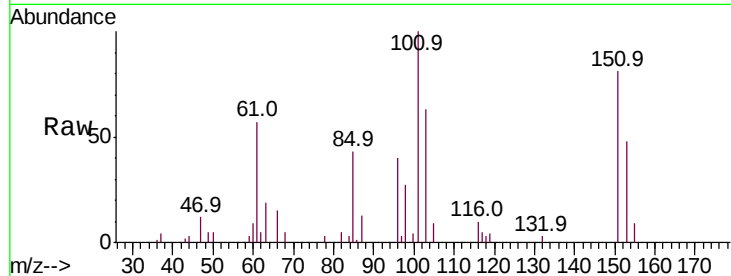




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.076 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

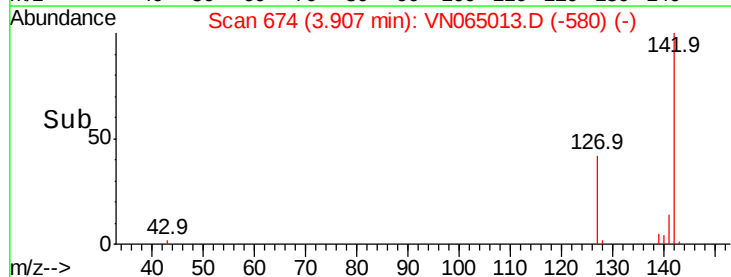
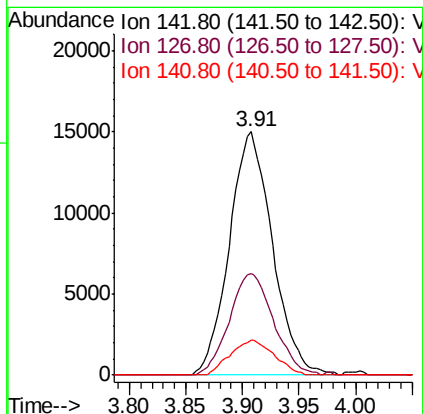
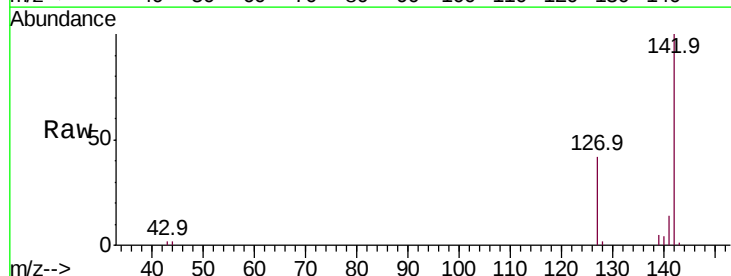
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

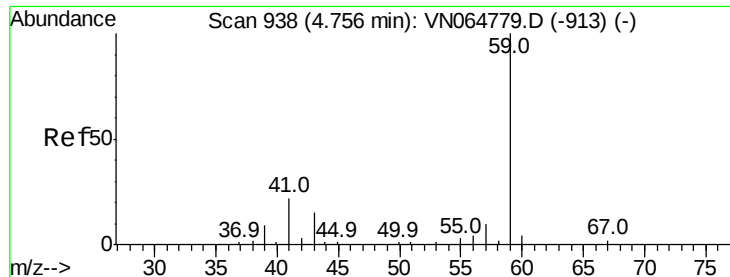
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.4	51.6
151	81.6	64.0	96.0



#10
 Methyl Iodide
 Concen: 15.974 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.6	35.0	52.6
141	14.6	11.8	17.6

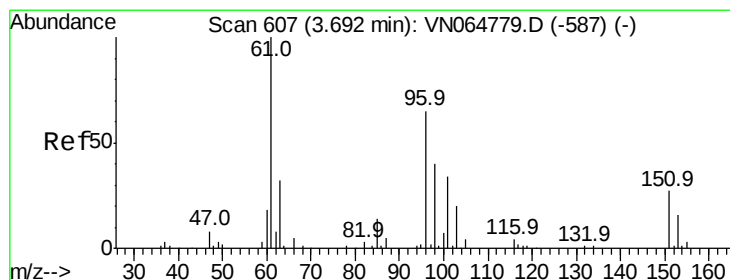
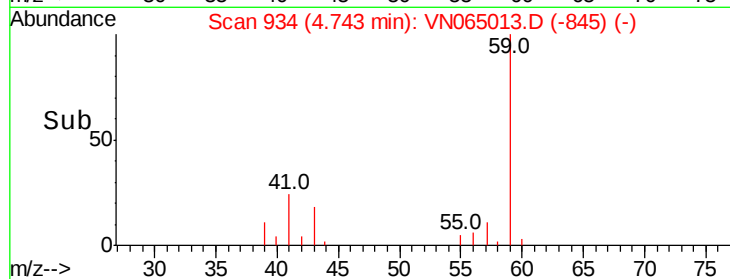
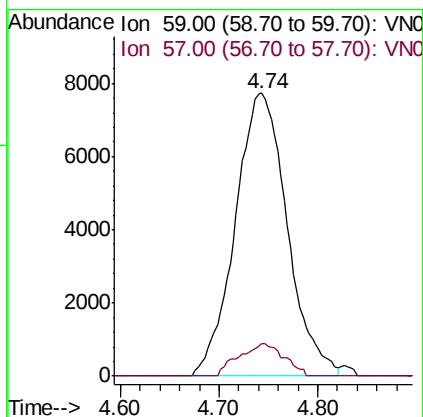
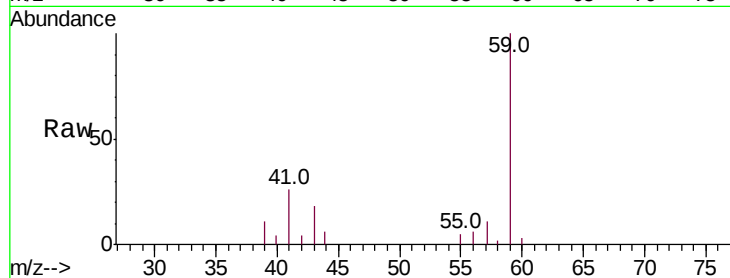




#11
Tert butyl alcohol
Concen: 78.865 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

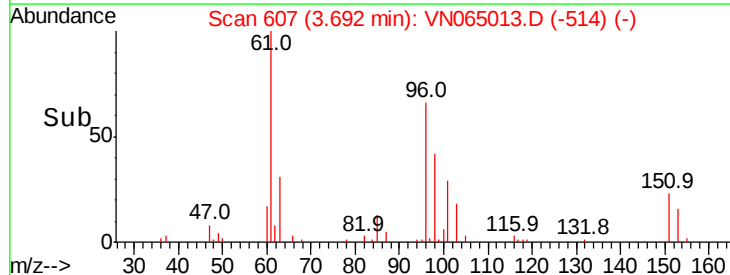
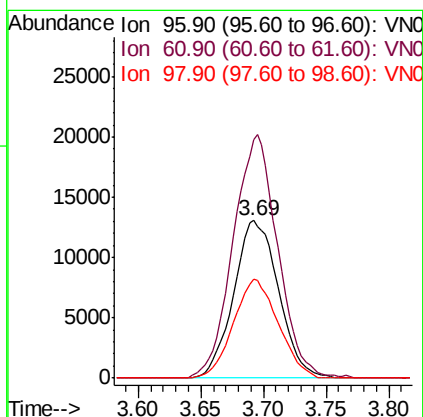
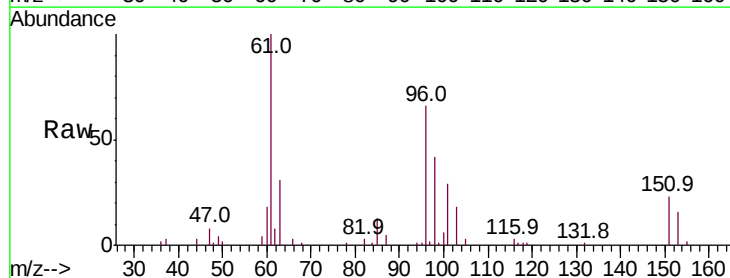
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

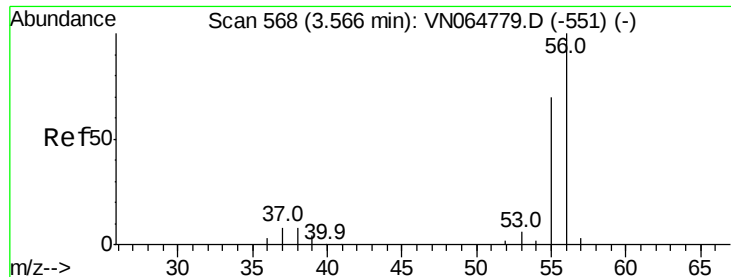
Tot Ion: 59 Resp: 28232
Ion Ratio Lower Upper
59 100
57 10.0 7.9 11.9



#12
1,1-Dichloroethene
Concen: 16.979 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 96 Resp: 32509
Ion Ratio Lower Upper
96 100
61 151.3 123.4 185.2
98 63.2 49.8 74.8





#13

Acrolein

Concen: 85.525 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

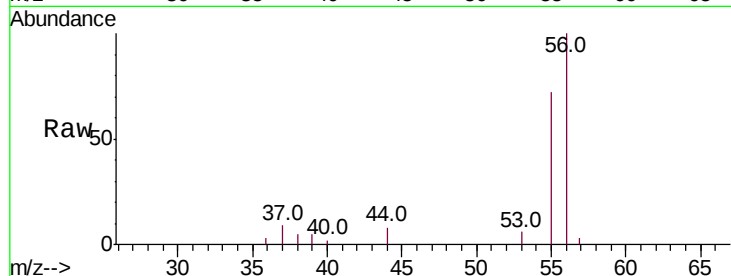
VN1209WBSD01

Tot Ion: 56 Resp: 18701

Ion Ratio Lower Upper

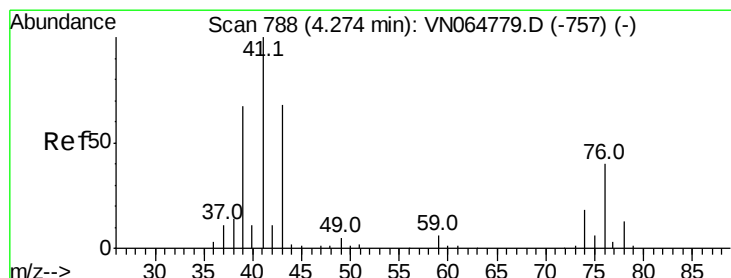
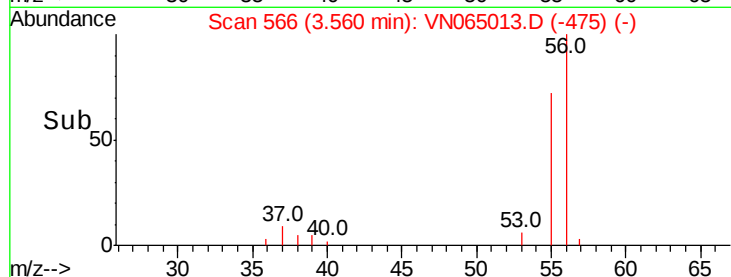
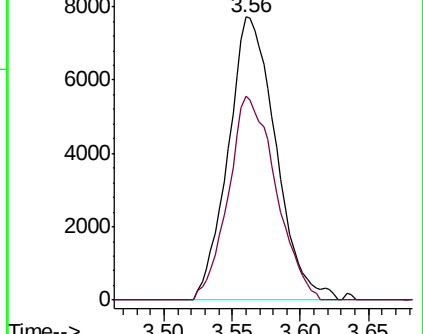
56 100

55 72.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.557 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

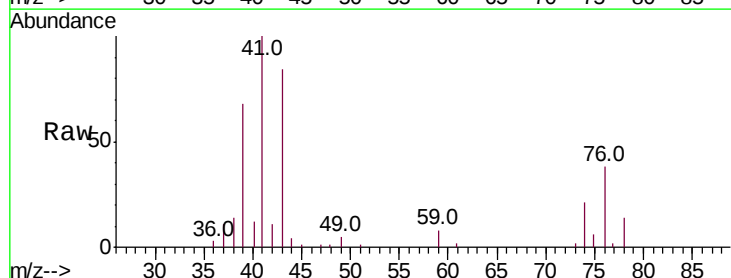
Tgt Ion: 41 Resp: 52287

Ion Ratio Lower Upper

41 100

39 65.1 50.9 76.3

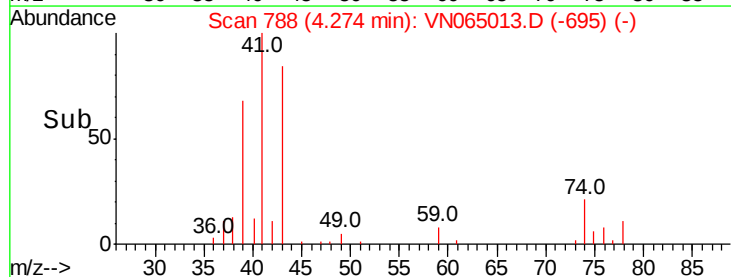
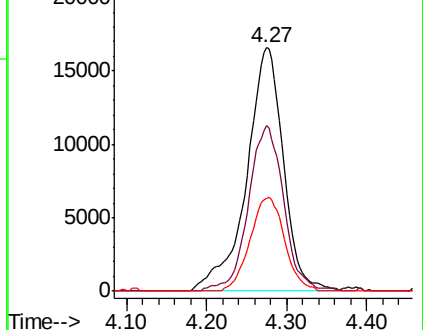
76 36.1 29.0 43.4

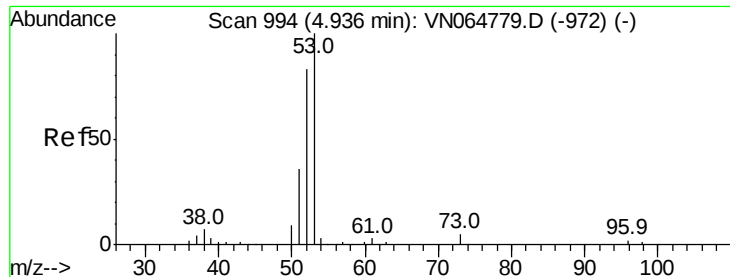


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 87.806 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

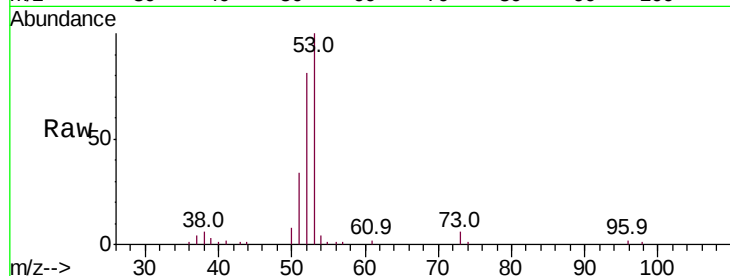
Tot Ion: 53 Resp: 86834

Ion Ratio Lower Upper

53 100

52 80.0 65.5 98.3

51 35.0 28.6 43.0

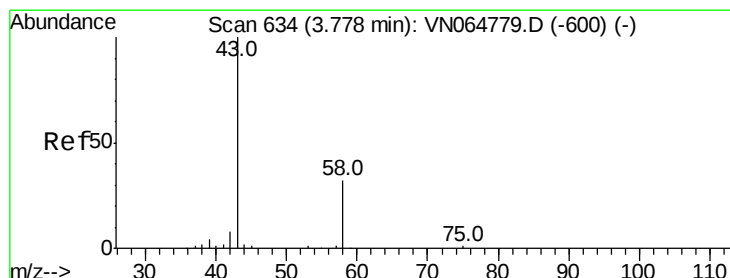
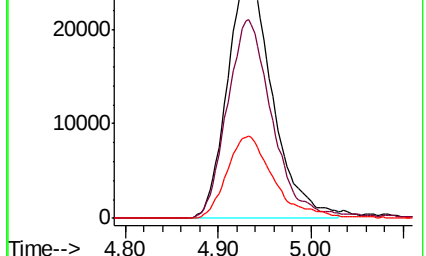
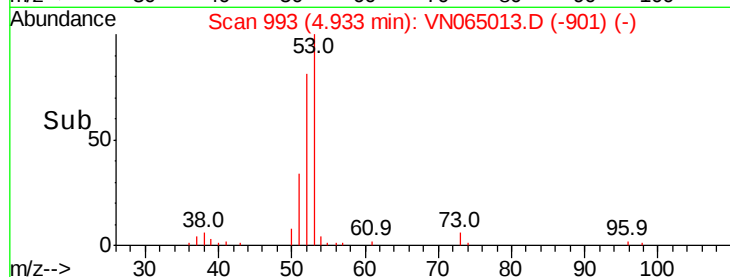


Abundance Ion 53.00 (52.70 to 53.70): VN064779.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN064779.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN064779.D (-972) (-)

Time-->



#16

Acetone

Concen: 106.860 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN065013.D

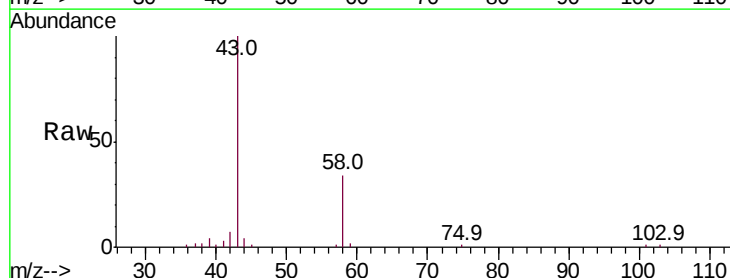
Acq: 9 Dec 2020 12:13

Tgt Ion: 43 Resp: 80634

Ion Ratio Lower Upper

43 100

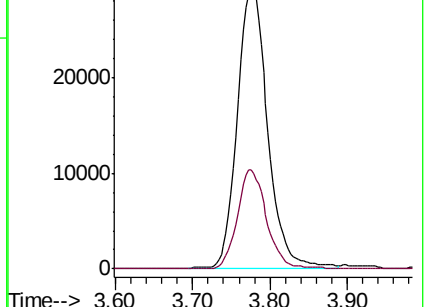
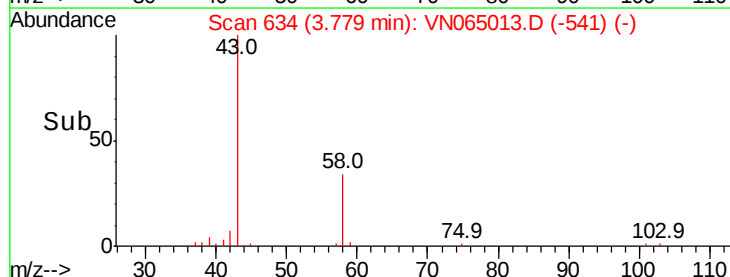
58 33.8 25.7 38.5

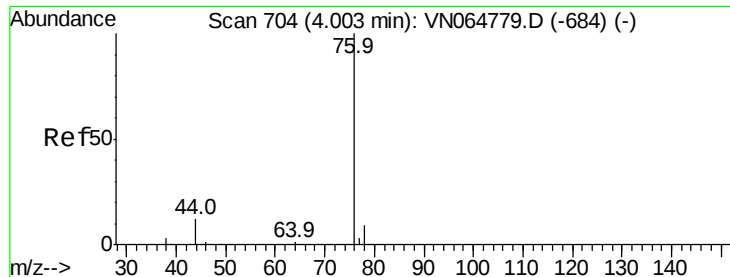


Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-600) (-)

Time-->

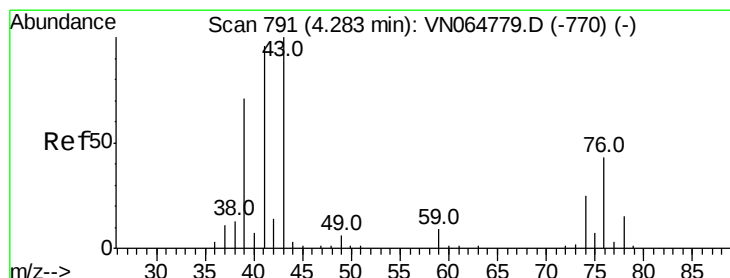
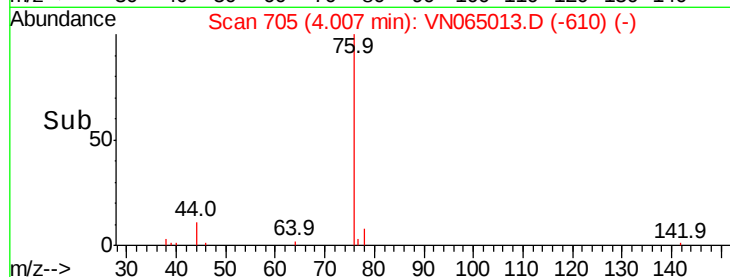
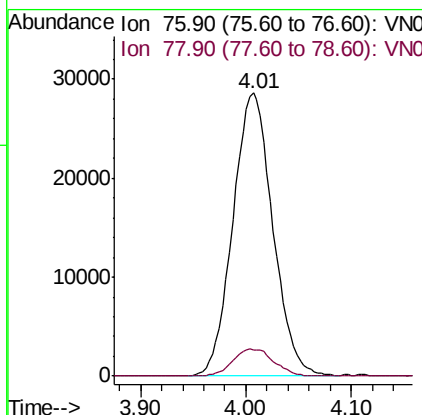
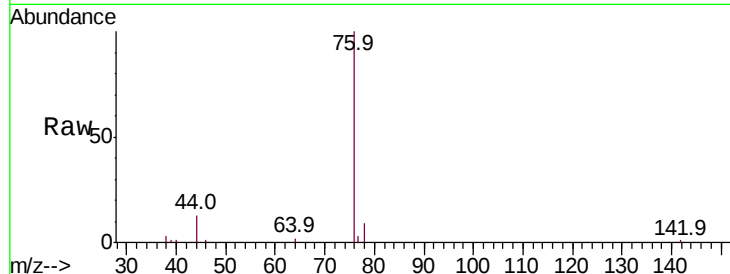




#17
Carbon Disulfide
Concen: 15.196 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

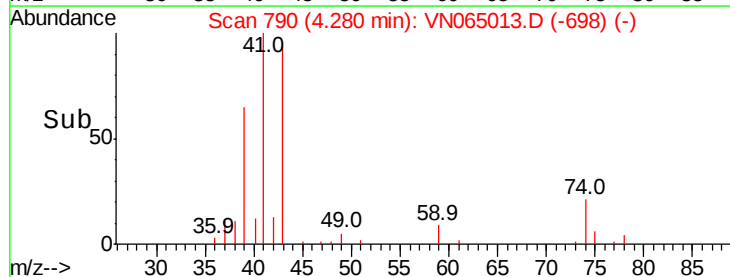
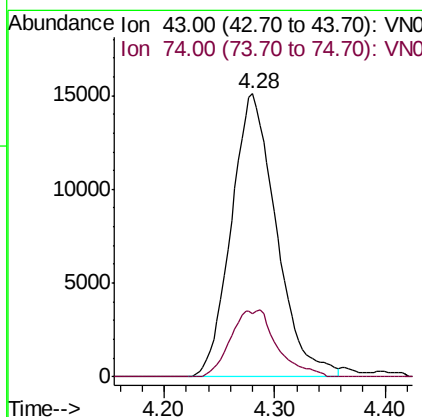
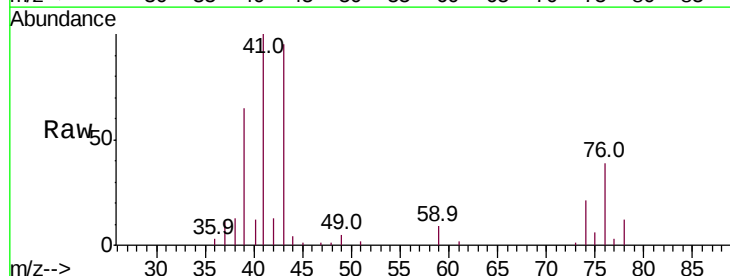
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

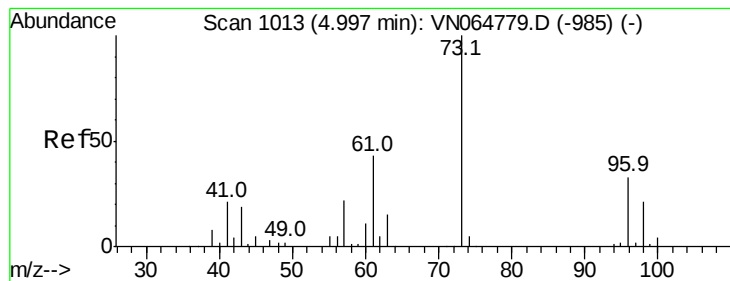
Tot Ion: 76 Resp: 75106
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 18.838 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 43 Resp: 42737
Ion Ratio Lower Upper
43 100
74 12.1 20.2 30.2#



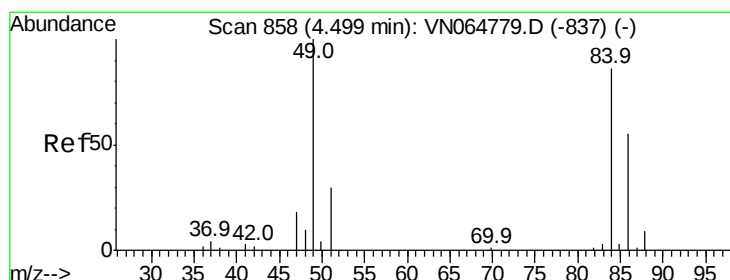
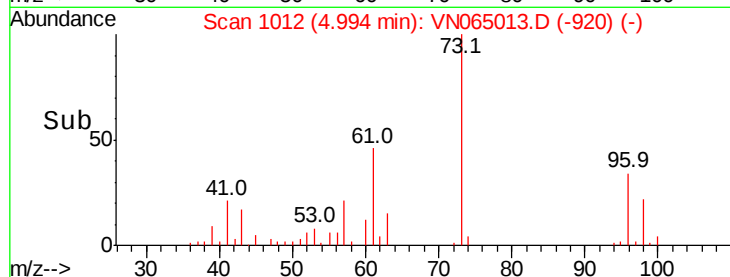
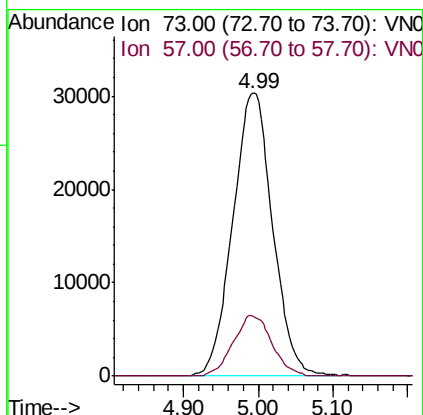
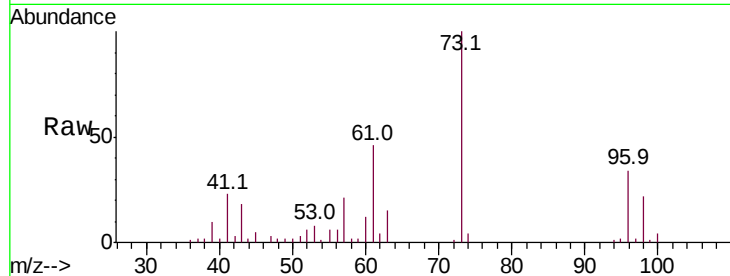


#19

Methyl tert-butyl Ether
 Concen: 18.305 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

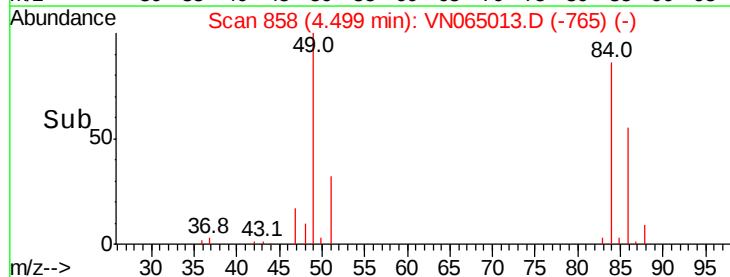
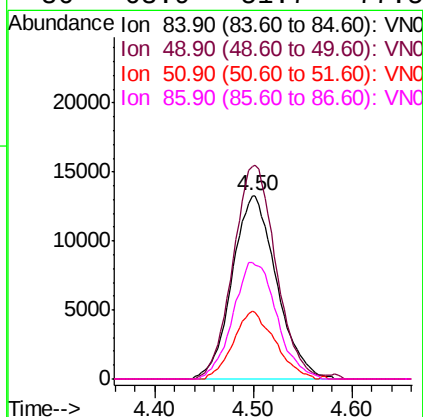
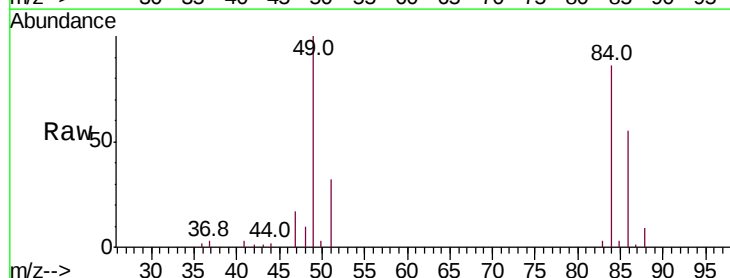
Tot Ion: 73 Resp: 112402
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.4 26.0

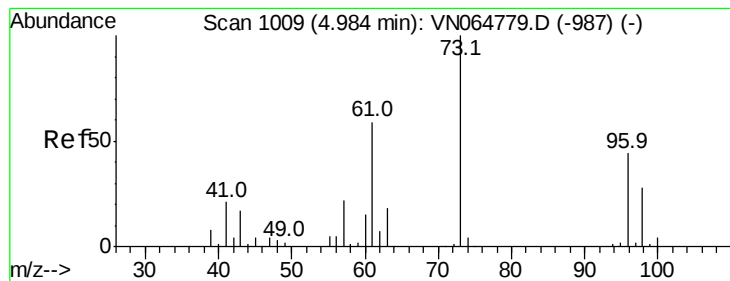


#20

Methylene Chloride
 Concen: 17.539 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion: 84 Resp: 41471
 Ion Ratio Lower Upper
 84 100
 49 116.2 93.4 140.0
 51 36.8 28.2 42.4
 86 63.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 16.339 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

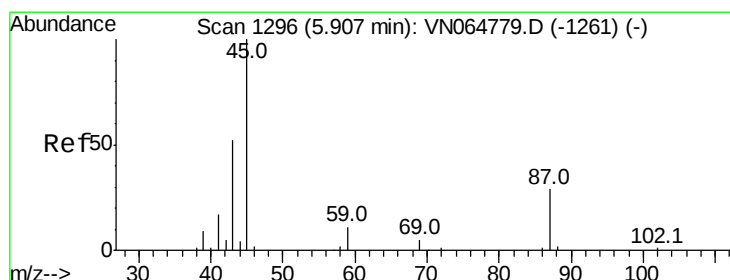
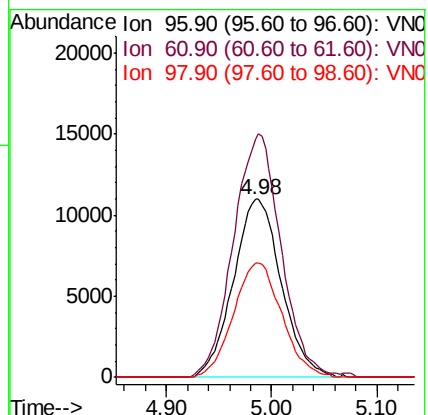
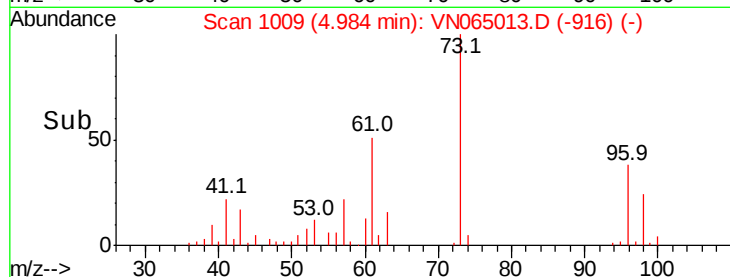
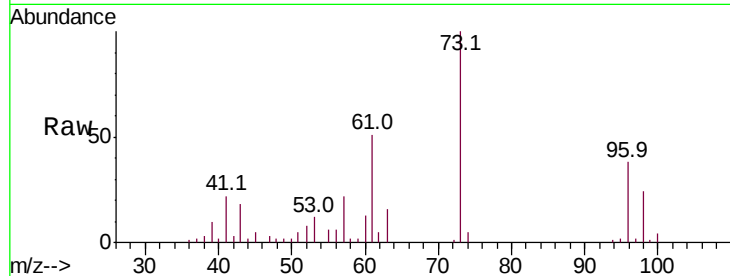
Tot Ion: 96 Resp: 34740

Ion Ratio Lower Upper

96 100

61 133.9 108.4 162.6

98 63.9 51.3 76.9



#22

Diisopropyl ether

Concen: 18.610 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Tgt Ion: 45 Resp: 117630

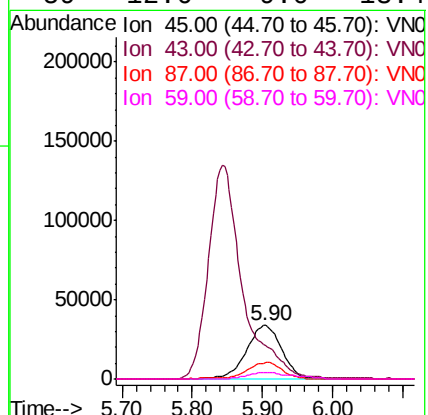
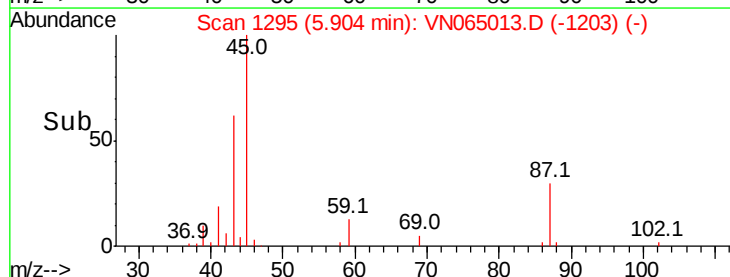
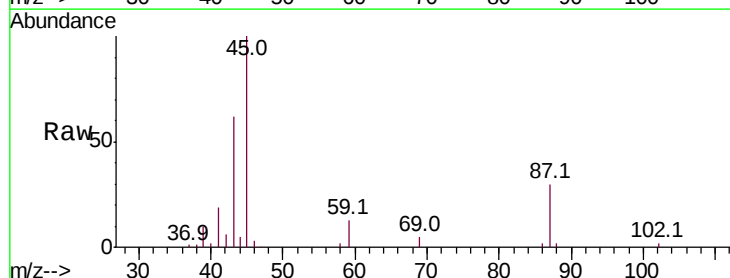
Ion Ratio Lower Upper

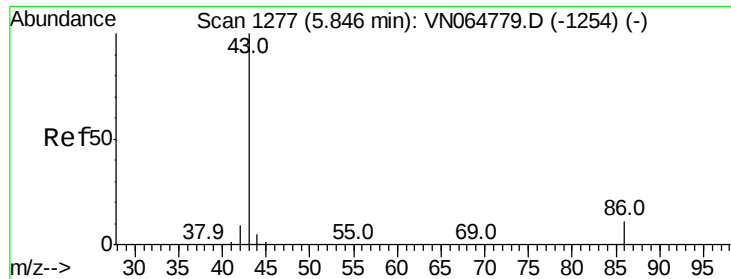
45 100

43 59.6 46.2 69.2

87 30.4 24.1 36.1

59 12.6 9.0 13.4

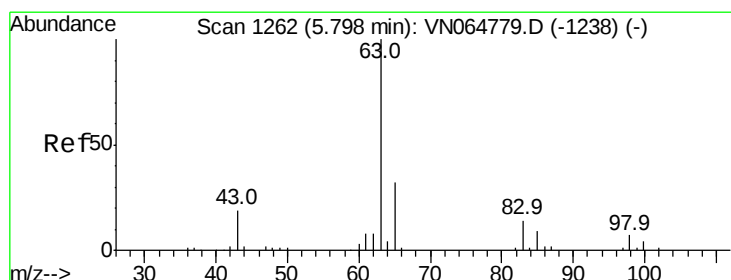
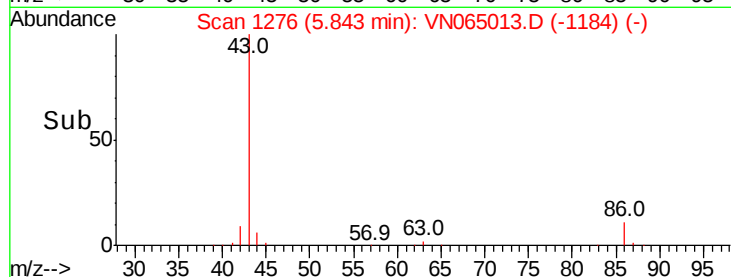
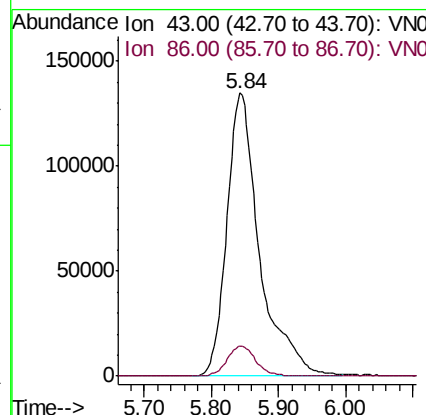
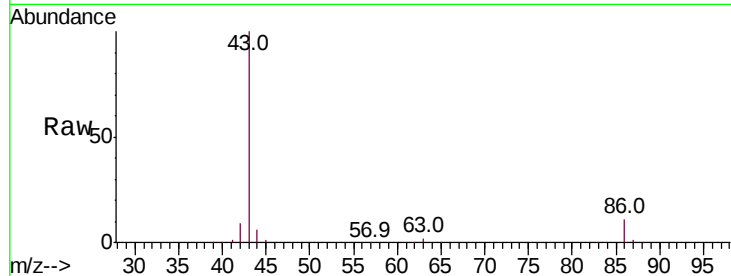




#23
 Vinyl Acetate
 Concen: 90.332 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

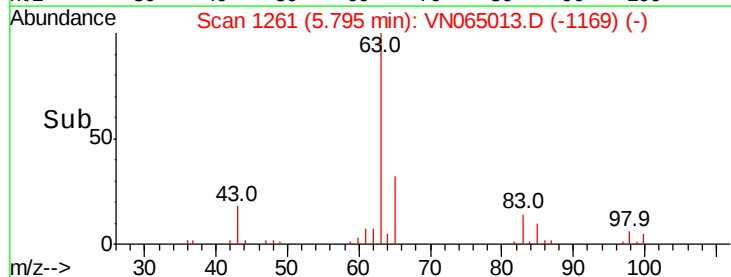
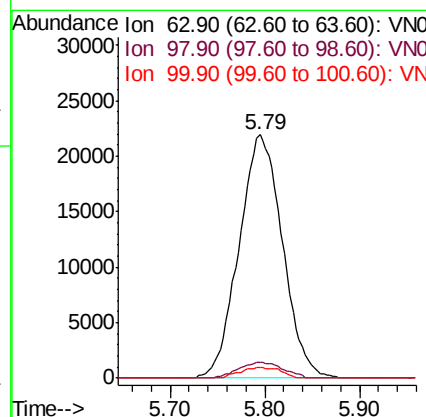
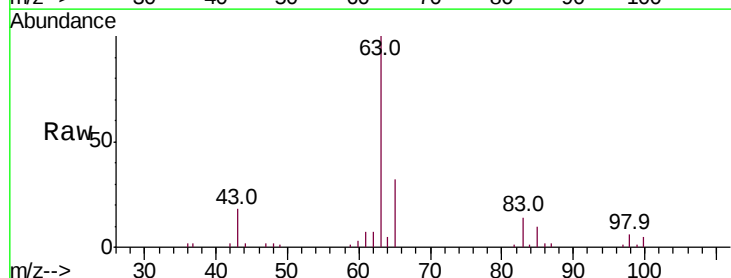
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

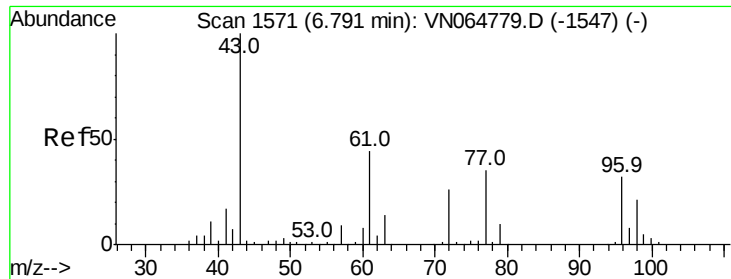
Tot Ion: 43 Resp: 456589
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 18.499 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion: 63 Resp: 69878
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.6 2.3 6.8

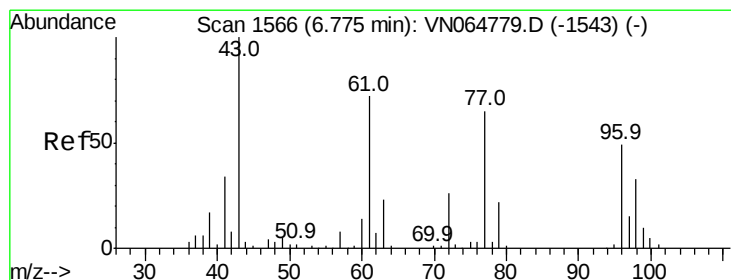
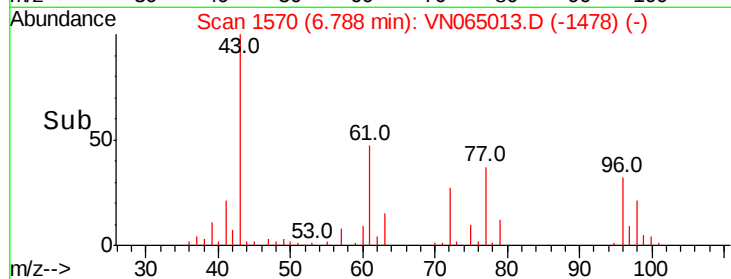
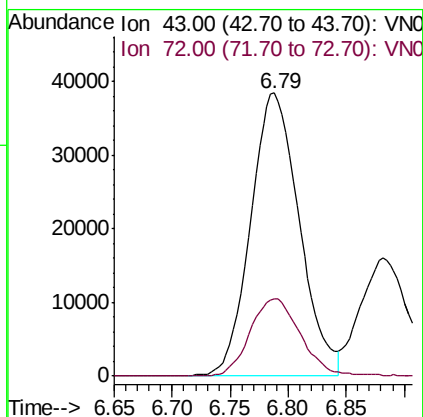
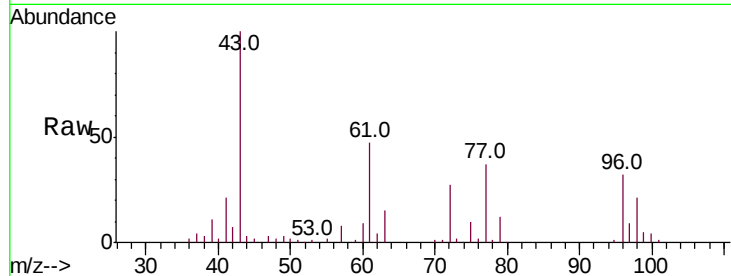




#25
2-Butanone
Concen: 91.861 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

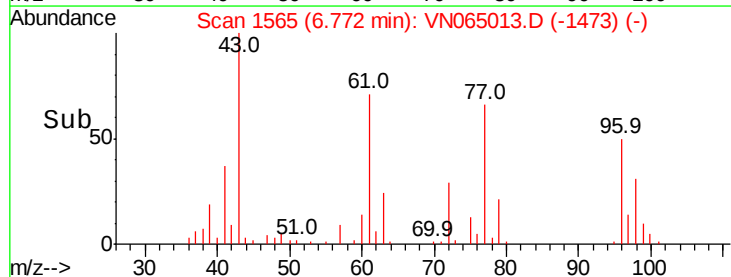
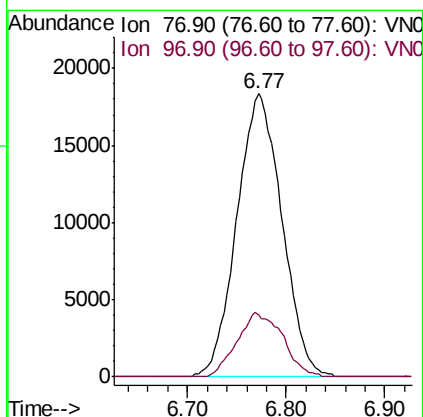
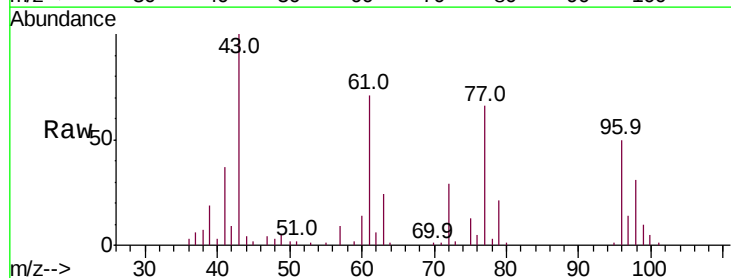
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

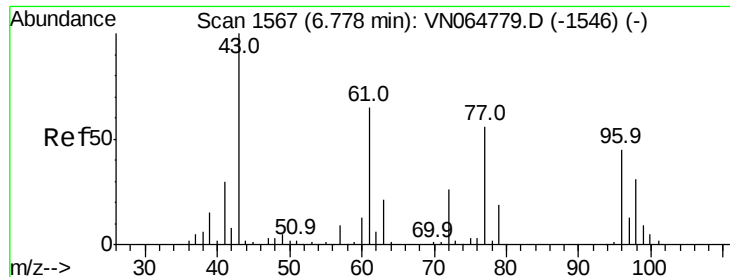
Tot Ion: 43 Resp: 112365
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6



#26
2,2-Dichloropropane
Concen: 17.733 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 77 Resp: 58098
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.532 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

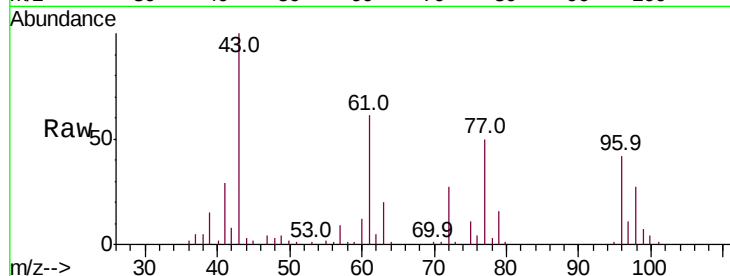
Tot Ion: 96 Resp: 41945

Ion Ratio Lower Upper

96 100

61 144.3 0.0 285.8

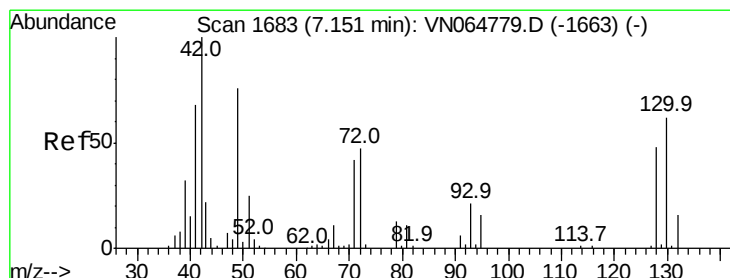
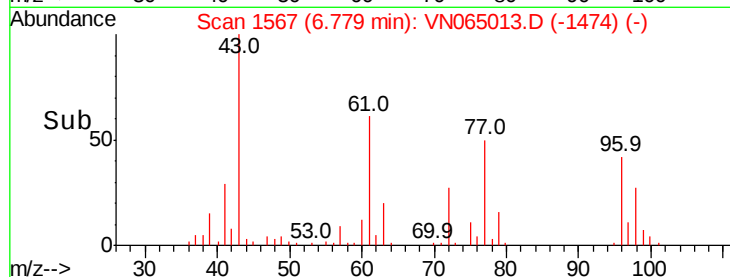
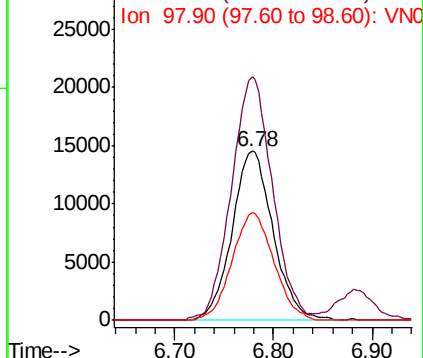
98 64.8 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064779.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-1546) (-)



#28

Bromochloromethane

Concen: 18.431 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

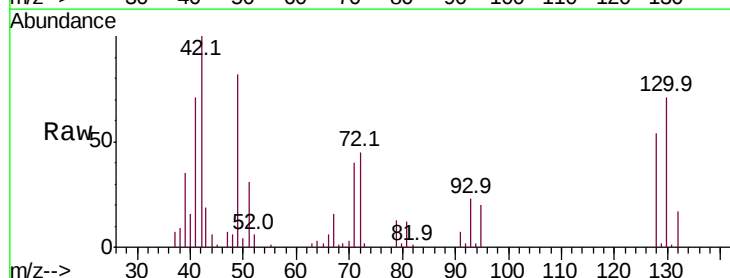
Tgt Ion: 49 Resp: 31850

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

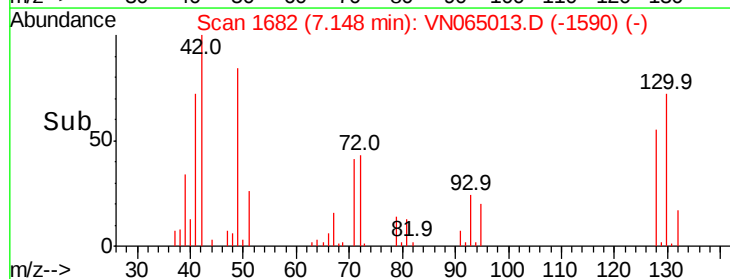
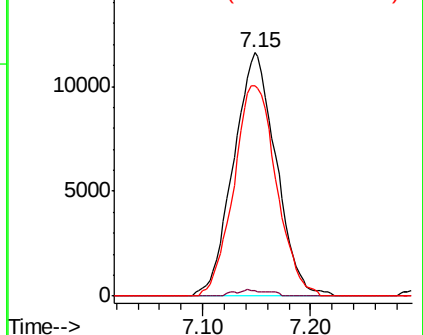
130 86.5 66.2 99.2

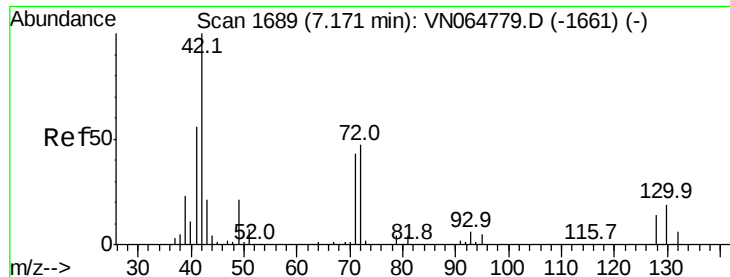


Abundance Ion 48.90 (48.60 to 49.60): VN064779.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN064779.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN064779.D (-1663) (-)

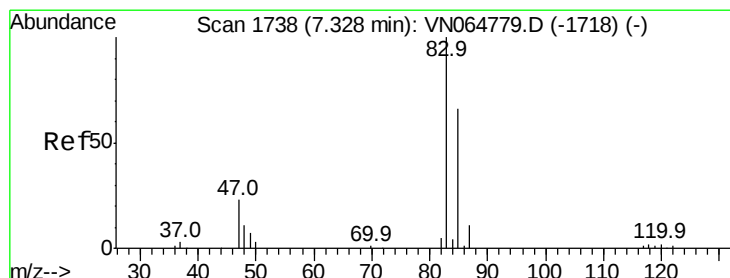
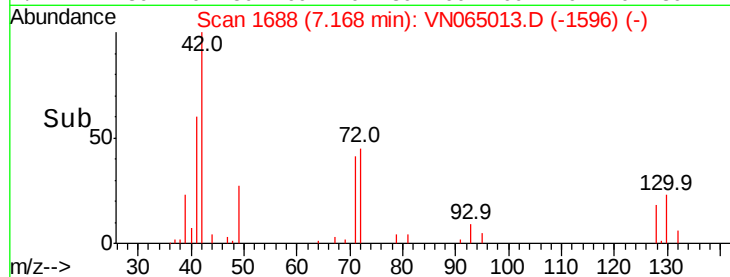
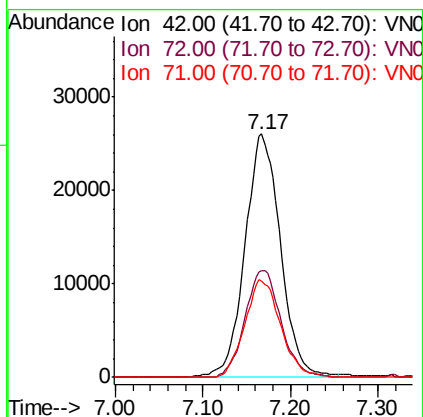
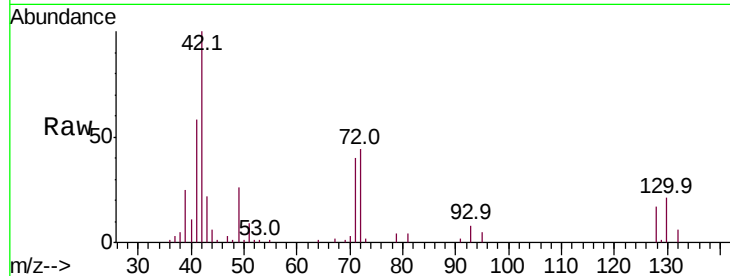




#29
Tetrahydrofuran
Concen: 87.097 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

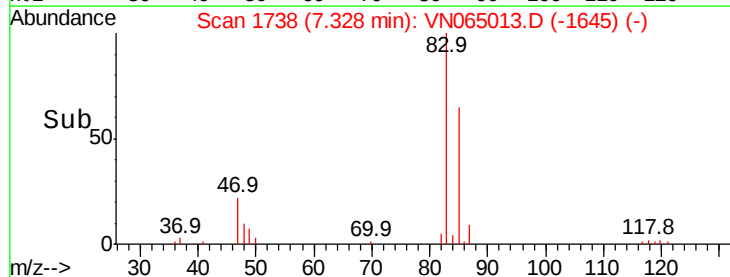
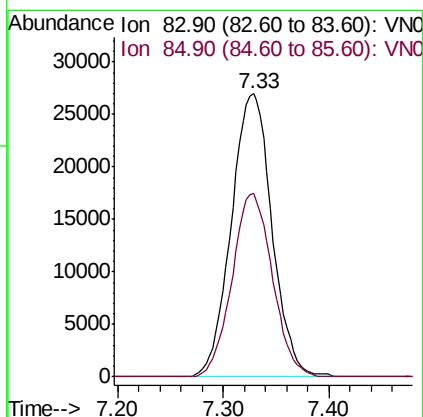
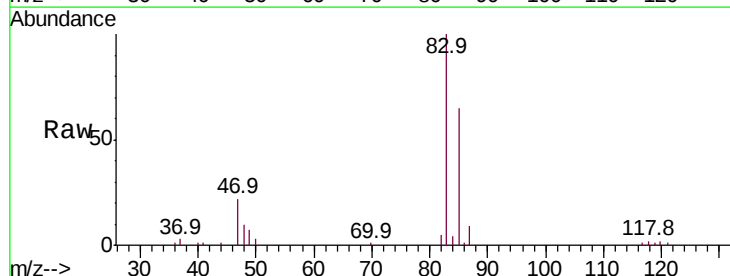
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

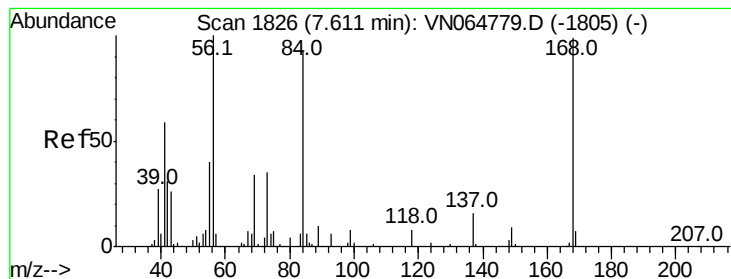
Tot Ion: 42 Resp: 73542
Ion Ratio Lower Upper
42 100
72 44.4 36.6 54.8
71 40.3 33.6 50.4



#30
Chloroform
Concen: 18.537 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 83 Resp: 72211
Ion Ratio Lower Upper
83 100
85 64.7 52.6 78.8





#31

Cyclohexane

Concen: 16.022 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

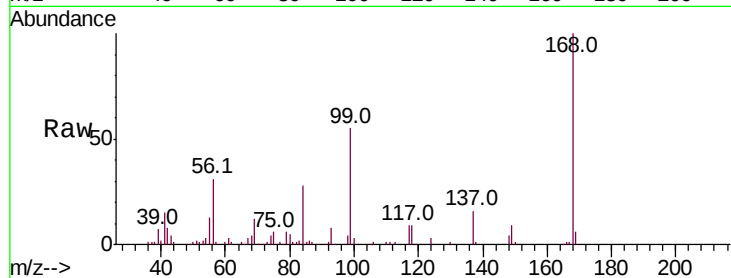
Tot Ion: 56 Resp: 51260

Ion Ratio Lower Upper

56 100

69 39.5 27.5 41.3

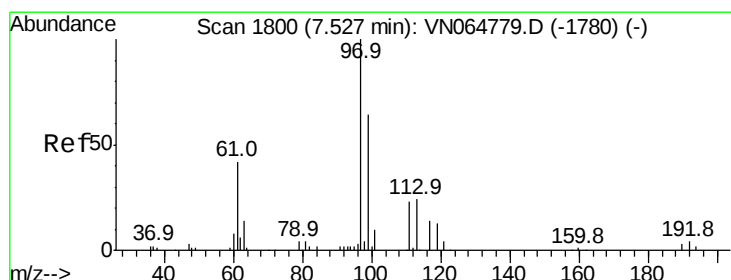
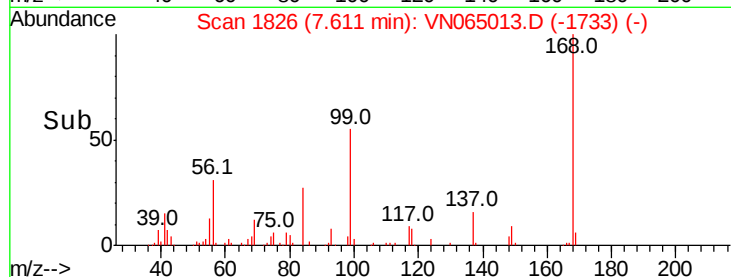
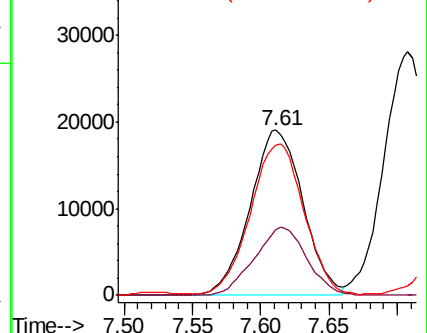
84 89.6 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.778 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

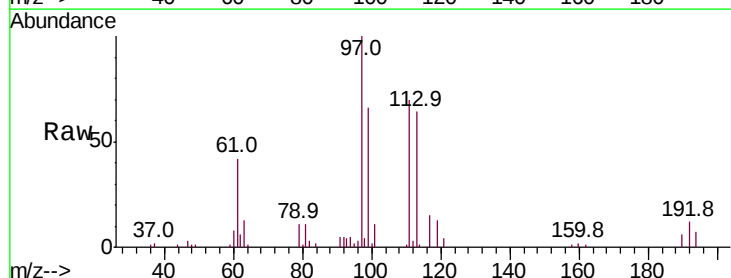
Tgt Ion: 97 Resp: 59481

Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

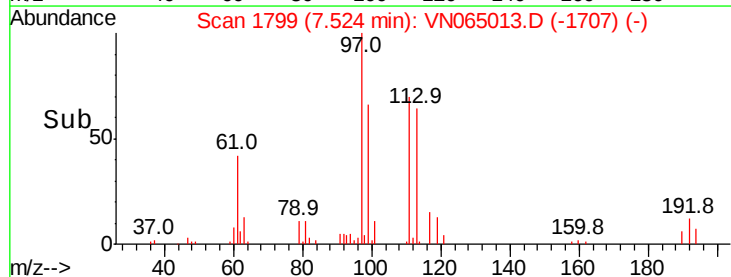
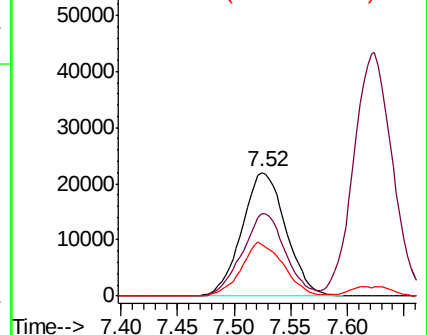
61 41.5 33.9 50.9

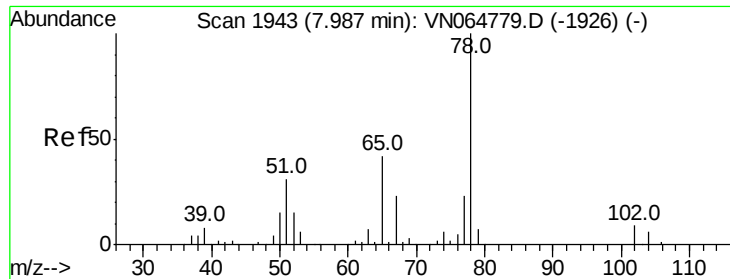


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.224 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

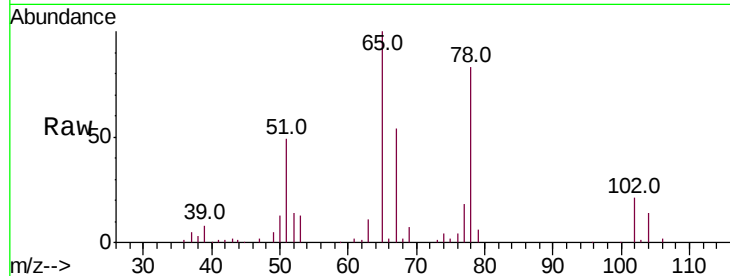
VN1209WBSD01

Tot Ion: 65 Resp: 108400

Ion Ratio Lower Upper

65 100

67 52.9 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)

7.98

50000

40000

30000

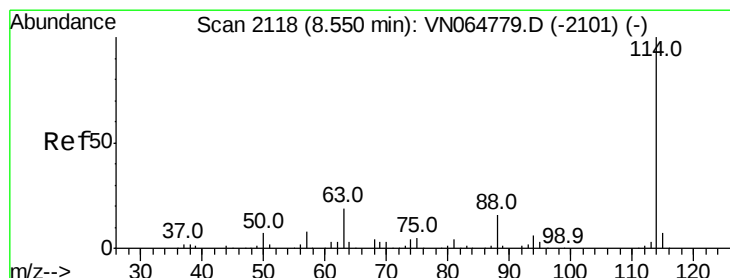
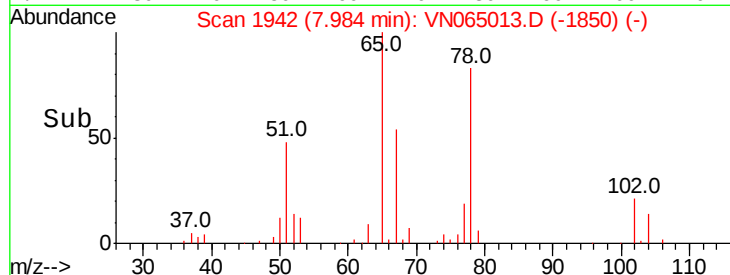
20000

10000

0

Time-->

7.90 7.95 8.00 8.05



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

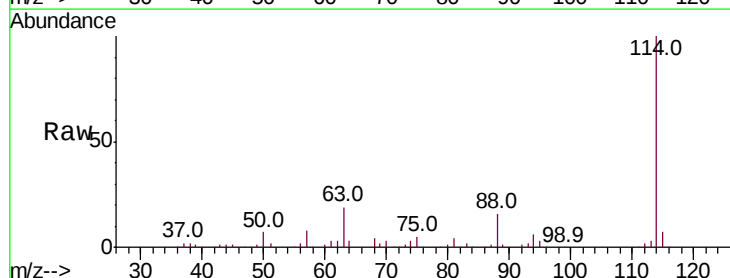
Tgt Ion: 114 Resp: 303425

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.8 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)

200000

150000

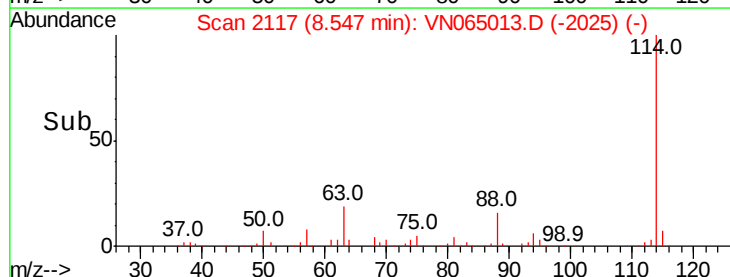
100000

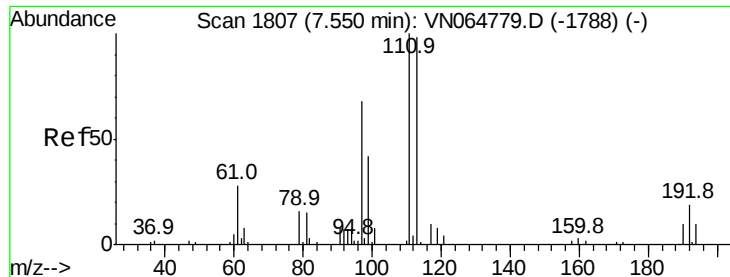
50000

0

Time-->

8.50 8.55 8.60

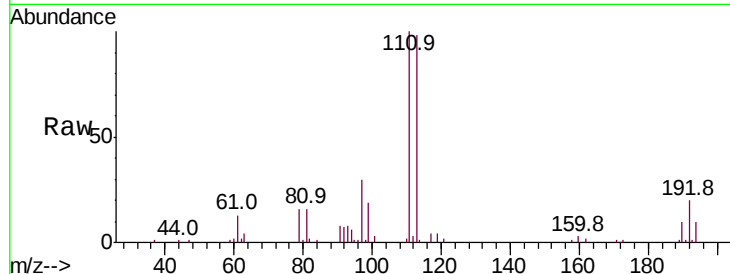




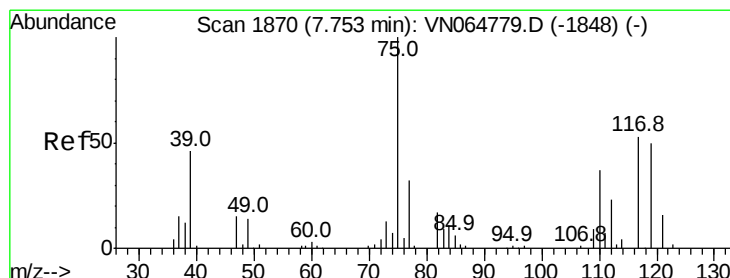
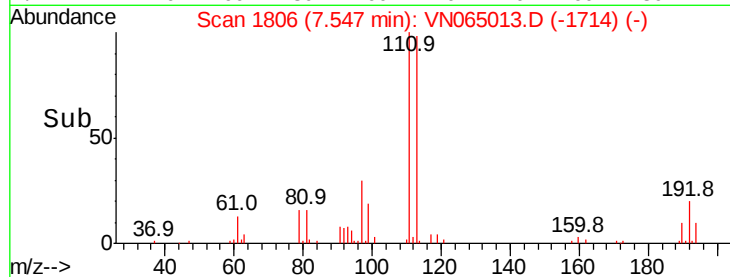
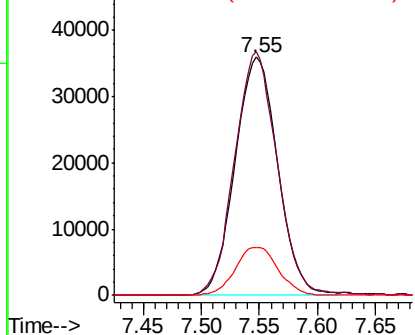
#35
 Dibromofluoromethane
 Concen: 50.722 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Tot Ion:113 Resp: 92091
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.6 122.4
 192 20.4 16.2 24.2

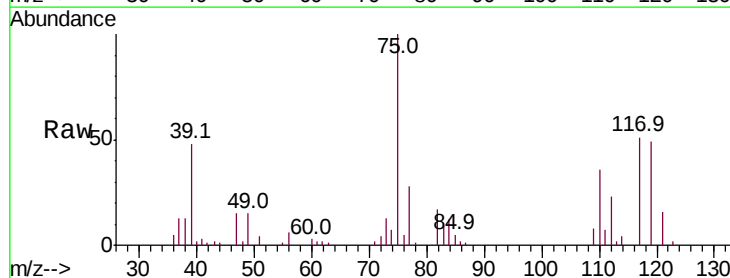


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

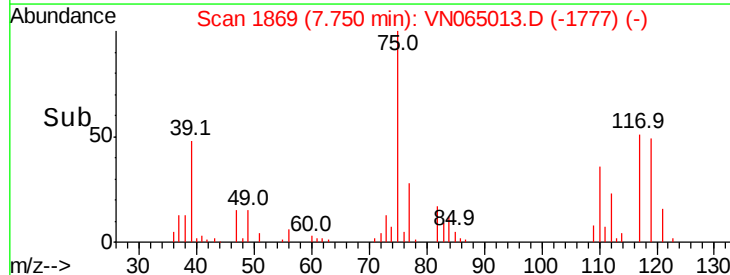
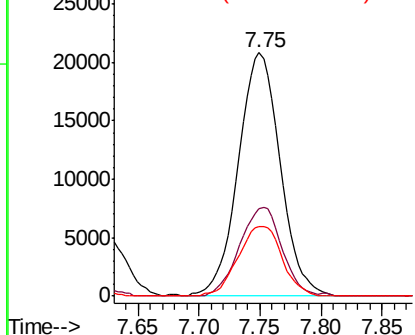


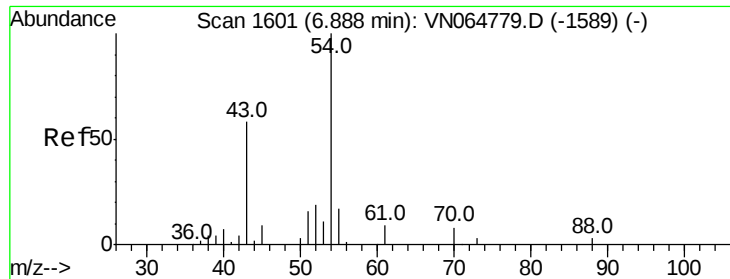
#36
 1,1-Dichloropropene
 Concen: 17.622 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion: 75 Resp: 49560
 Ion Ratio Lower Upper
 75 100
 110 36.7 17.8 53.3
 77 30.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

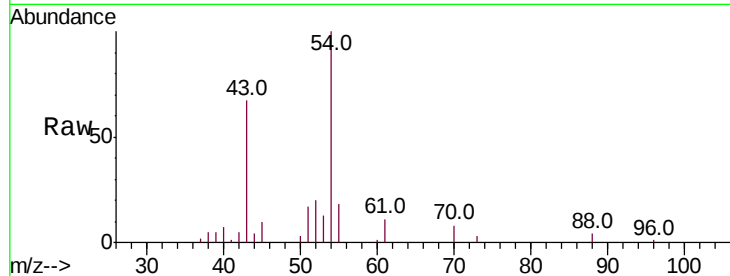




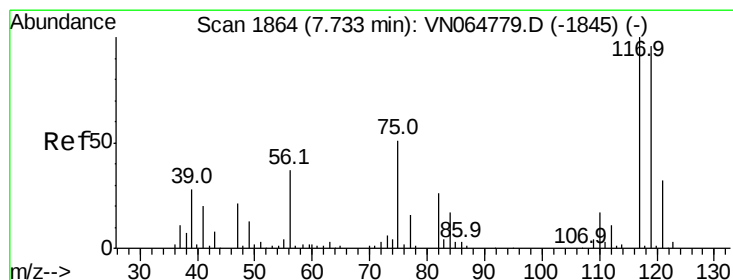
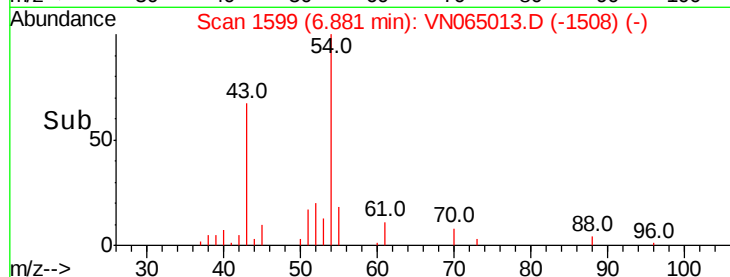
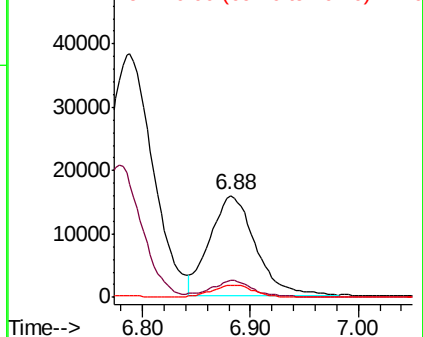
#37
Ethyl Acetate
Concen: 17.179 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tot Ion: 43 Resp: 46540
Ion Ratio Lower Upper
43 100
61 14.8 12.8 19.2
70 11.1 8.8 13.2

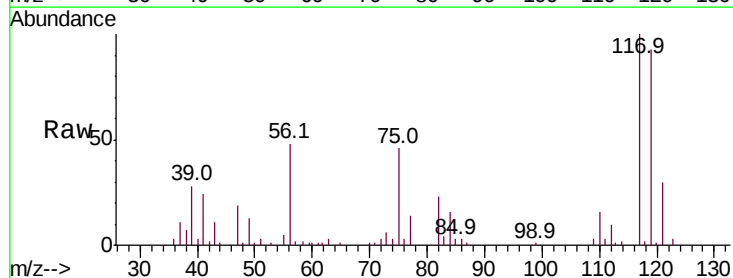


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

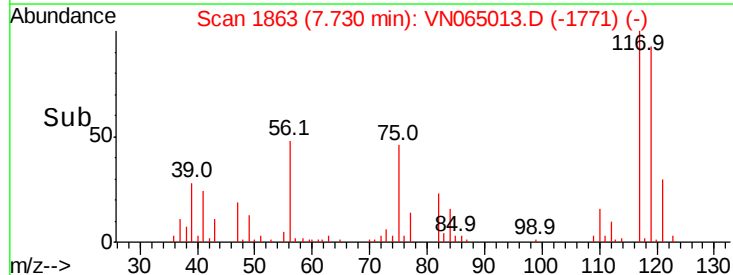
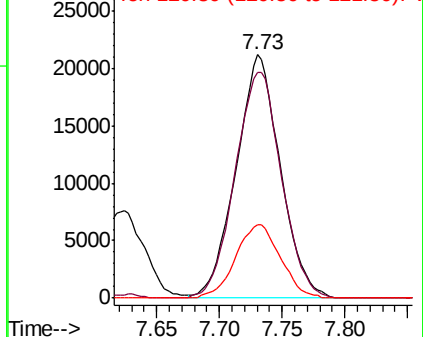


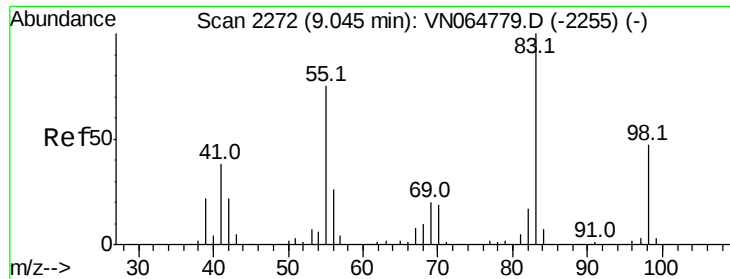
#38
Carbon Tetrachloride
Concen: 17.764 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 117 Resp: 51983
Ion Ratio Lower Upper
117 100
119 92.7 76.7 115.1
121 30.3 25.4 38.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

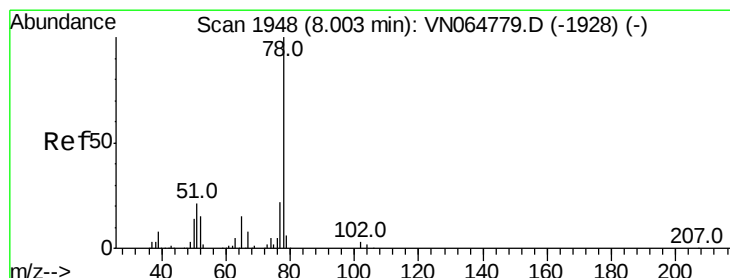
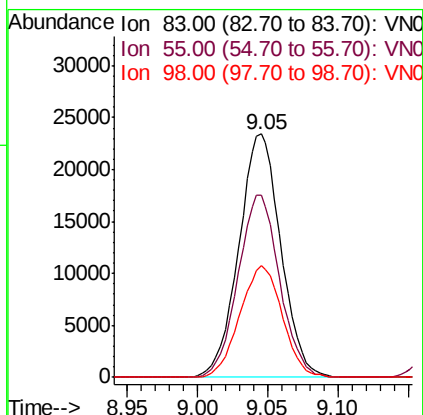
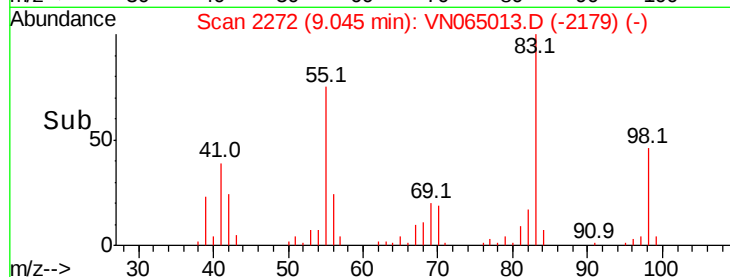
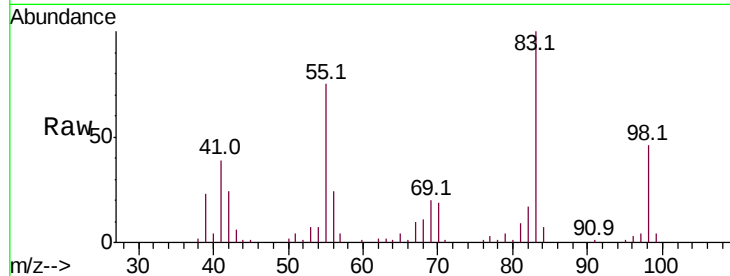




#39
Methvlcvclohexane
Concen: 16.074 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

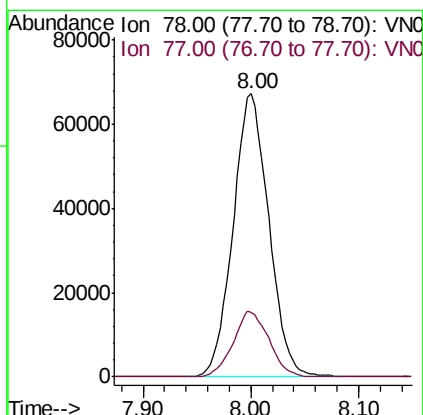
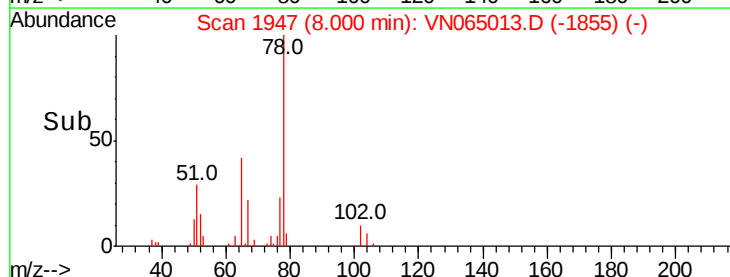
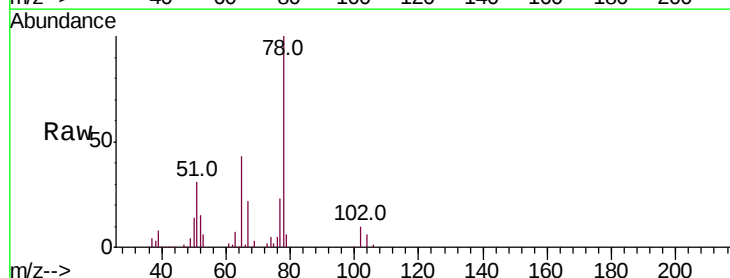
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

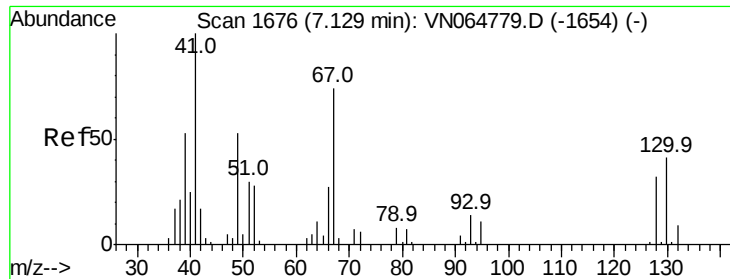
Tot Ion: 83 Resp: 48667
Ion Ratio Lower Upper
83 100
55 74.8 60.2 90.2
98 45.7 37.4 56.2



#40
Benzene
Concen: 18.021 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 78 Resp: 155313
Ion Ratio Lower Upper
78 100
77 22.9 17.9 26.9

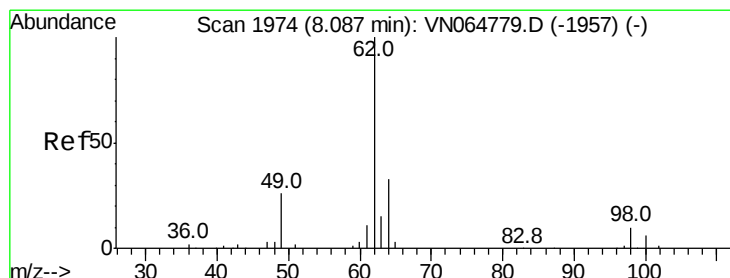
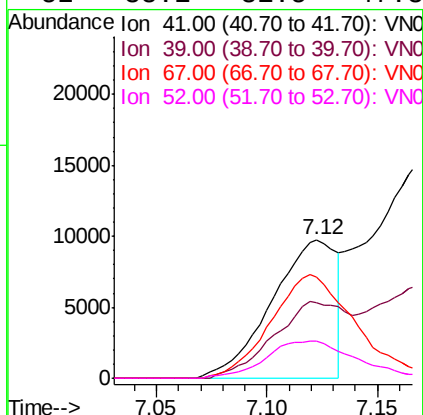
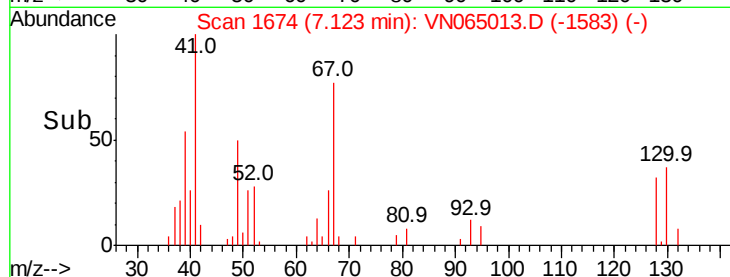
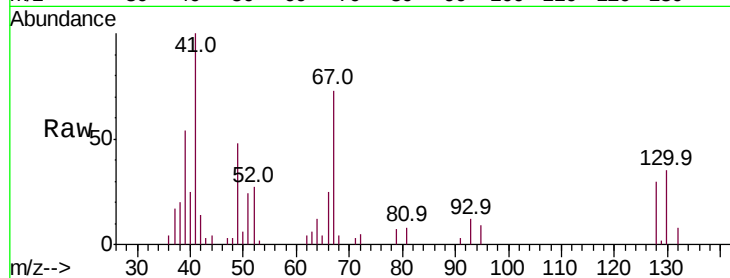




#41
Methacrylonitrile
Concen: 15.853 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

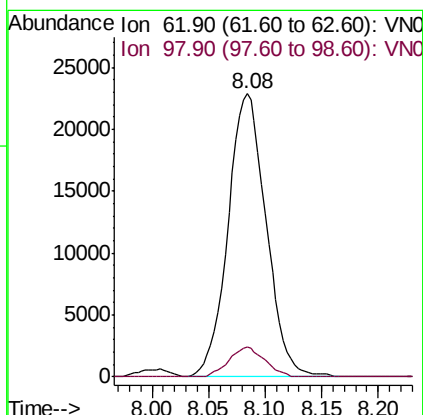
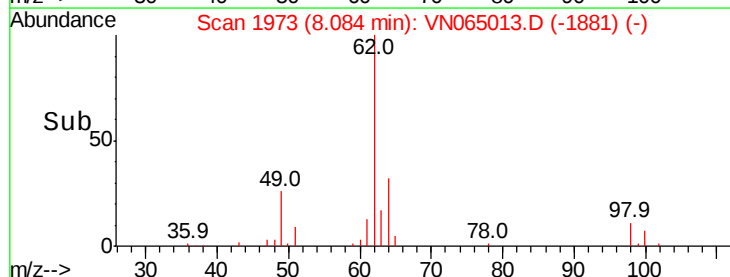
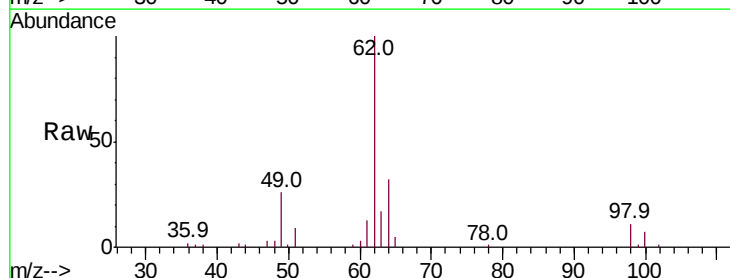
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

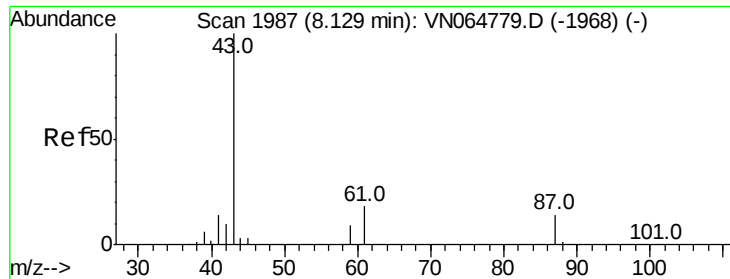
Tot Ion: 41 Resp: 19817
Ion Ratio Lower Upper
41 100
39 62.4 51.0 76.6
67 98.8 79.8 119.8
52 38.1 31.5 47.3



#42
1,2-Dichloroethane
Concen: 18.479 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 62 Resp: 53726
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6





#43

Isopropyl Acetate

Concen: 17.958 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

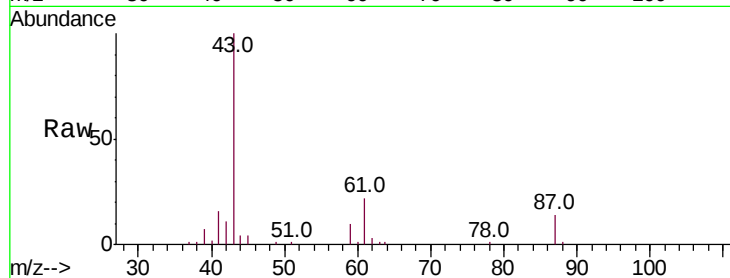
Tot Ion: 43 Resp: 78285

Ion Ratio Lower Upper

43 100

61 21.1 17.2 25.8

87 13.3 11.4 17.0



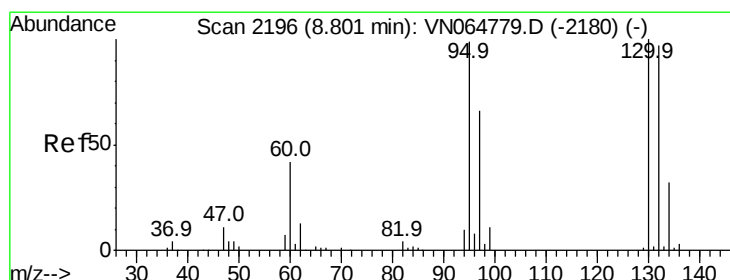
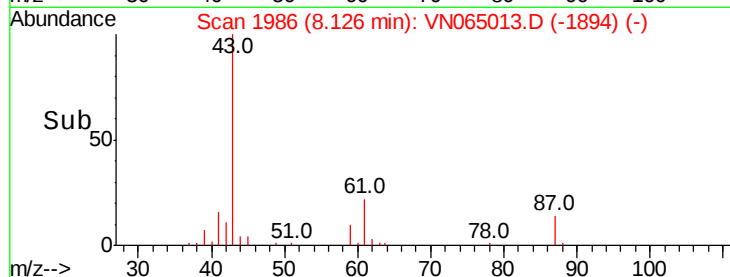
Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)

8.13

Time-->



#44

Trichloroethene

Concen: 17.099 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN065013.D

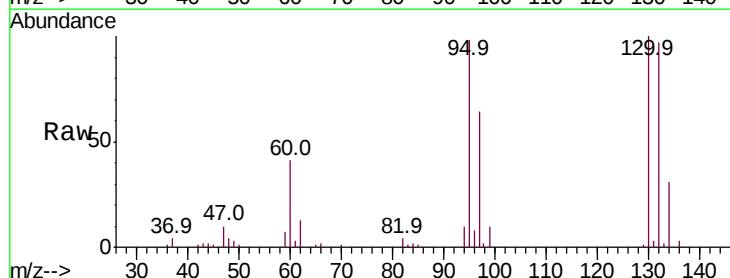
Acq: 9 Dec 2020 12:13

Tgt Ion:130 Resp: 43480

Ion Ratio Lower Upper

130 100

95 98.1 0.0 197.8

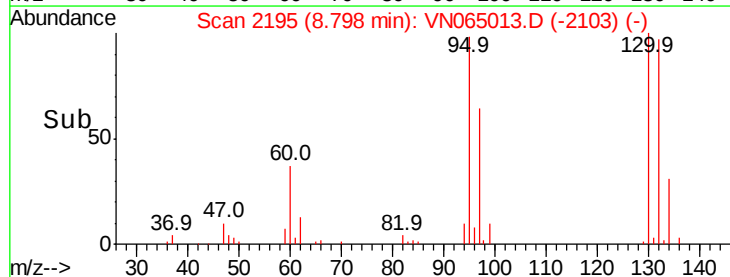


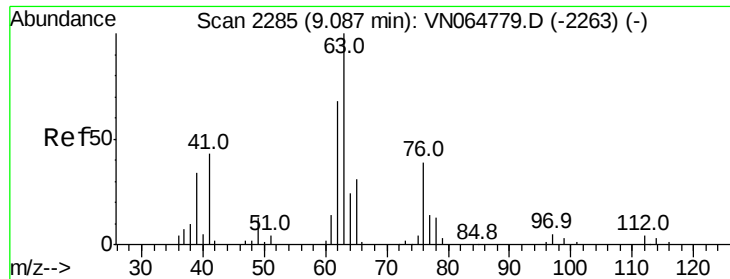
Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064779.D (-2180) (-)

8.80

Time-->





#45

1,2-Dichloropropane

Concen: 18.859 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

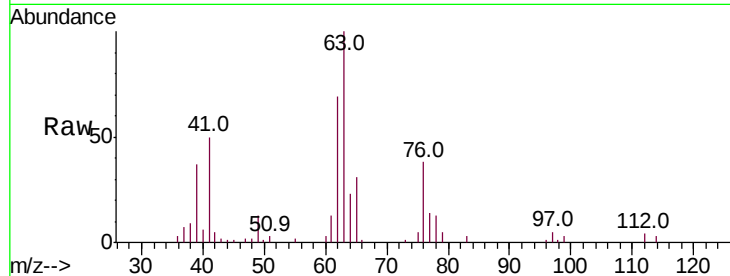
VN1209WBSD01

Tot Ion: 63 Resp: 42091

Ion Ratio Lower Upper

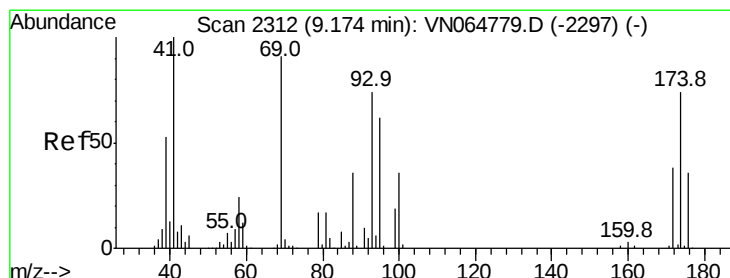
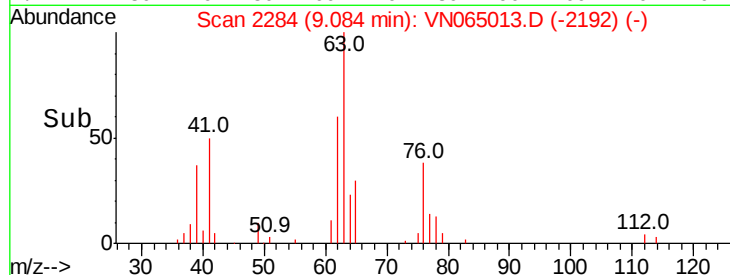
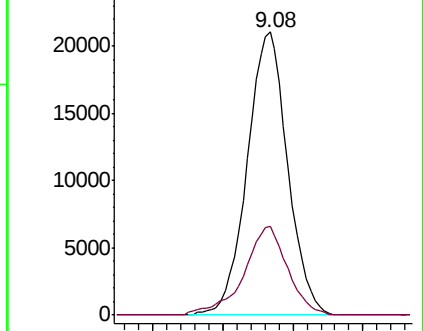
63 100

65 31.2 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.550 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

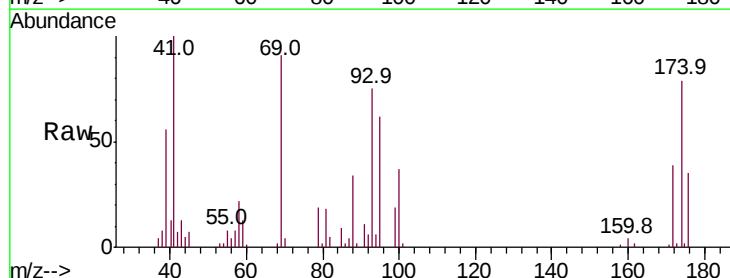
Tgt Ion: 93 Resp: 27658

Ion Ratio Lower Upper

93 100

95 82.9 68.8 103.2

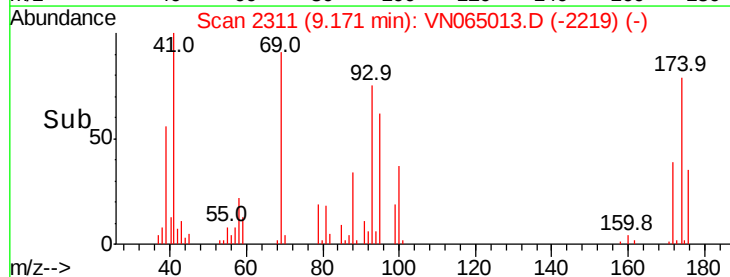
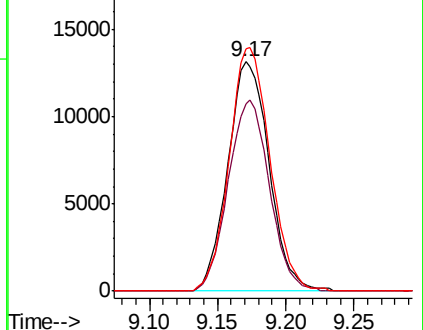
174 104.8 83.1 124.7

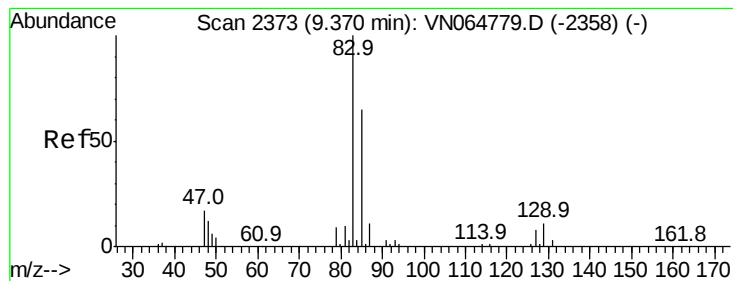


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.834 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

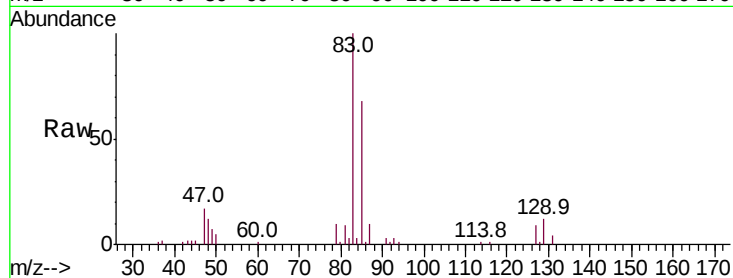
Tot Ion: 83 Resp: 56504

Ion Ratio Lower Upper

83 100

85 67.8 51.8 77.8

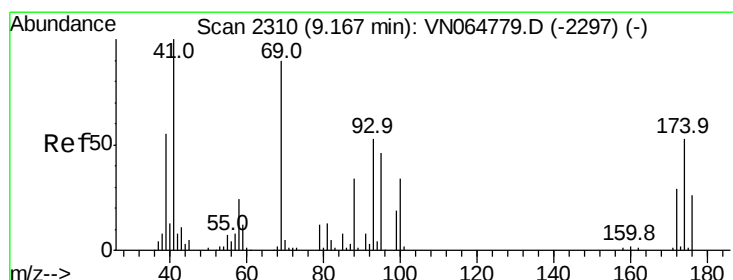
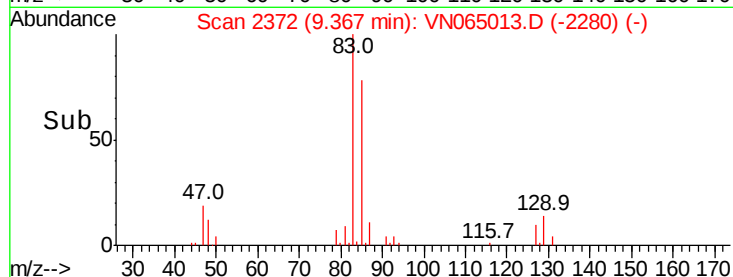
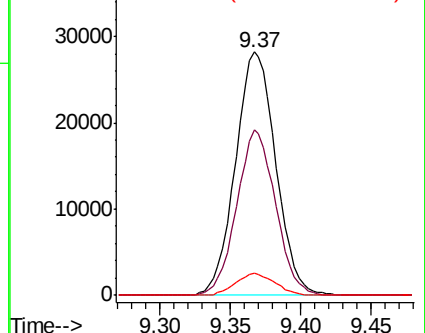
127 8.9 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-2358) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-2358) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2358) (-)



#48

Methyl methacrylate

Concen: 17.075 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

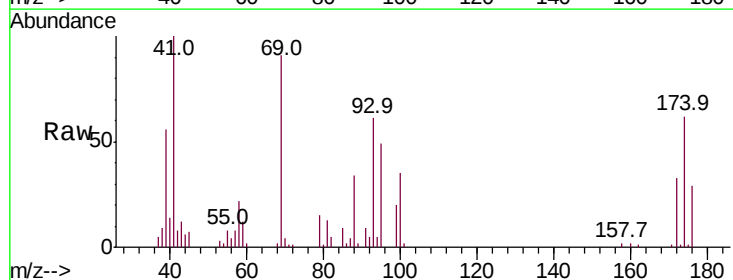
Tgt Ion: 41 Resp: 35568

Ion Ratio Lower Upper

41 100

69 90.9 71.8 107.8

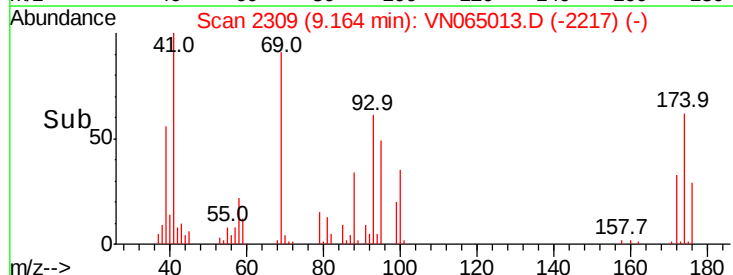
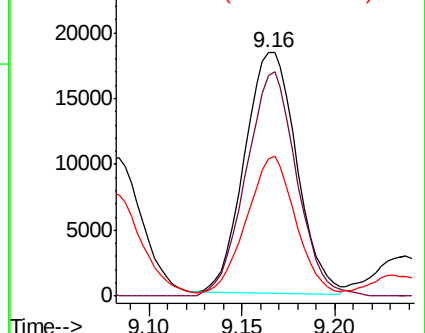
39 55.9 44.1 66.1

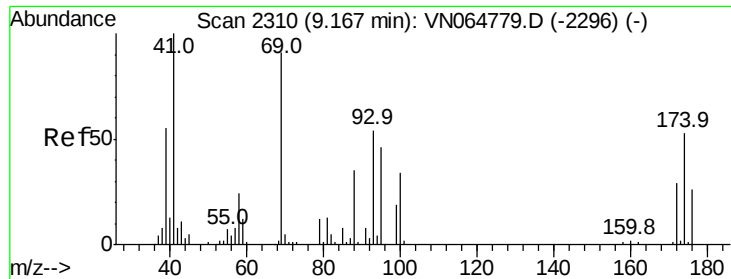


Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2297) (-)

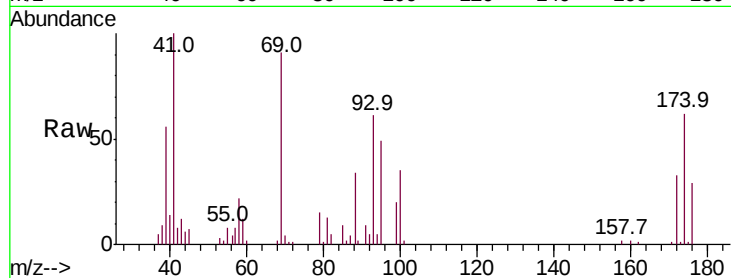




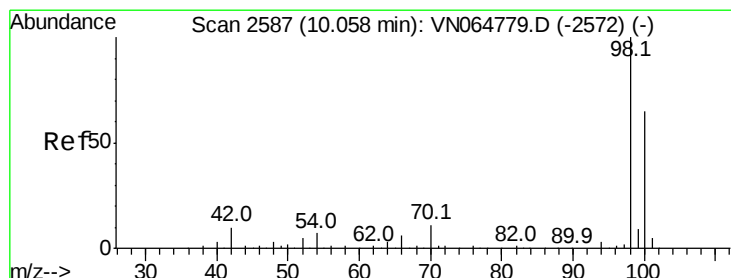
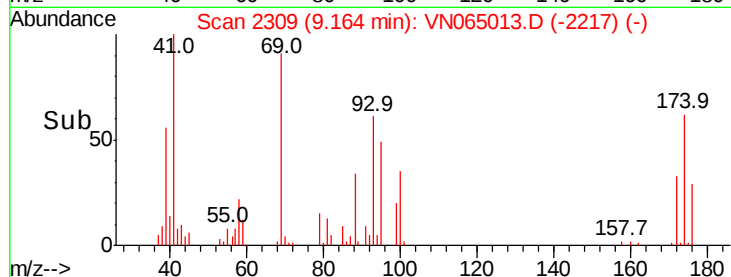
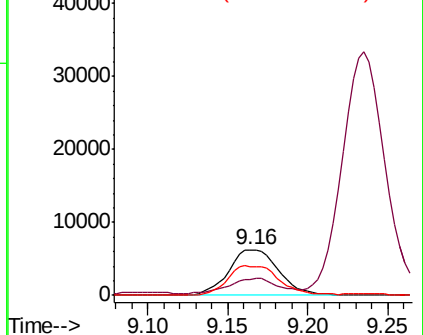
#49
 1,4-Dioxane
 Concen: 336.906 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Tot Ion: 88 Resp: 13264
 Ion Ratio Lower Upper
 88 100
 43 30.7 24.2 36.4
 58 66.8 52.5 78.7

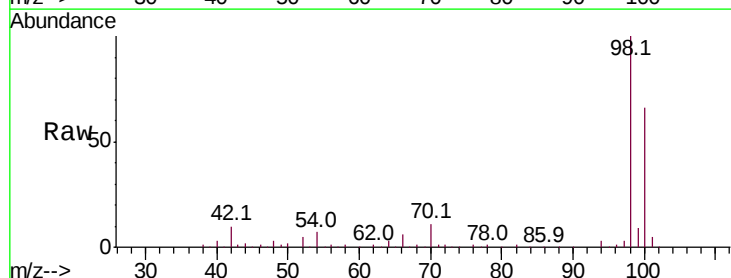


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

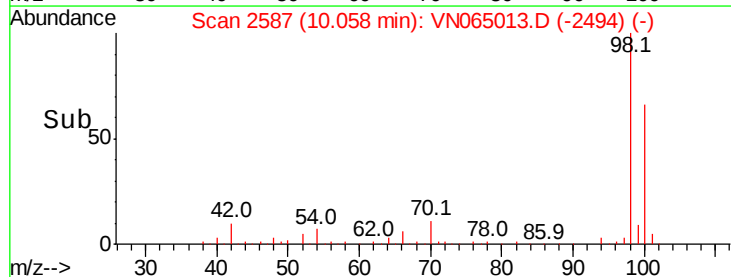
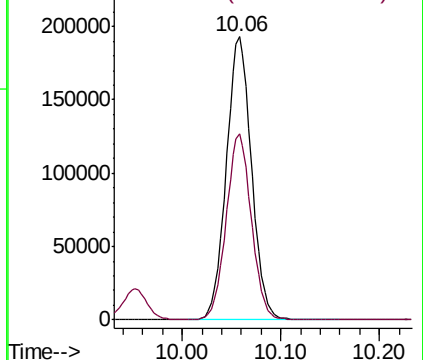


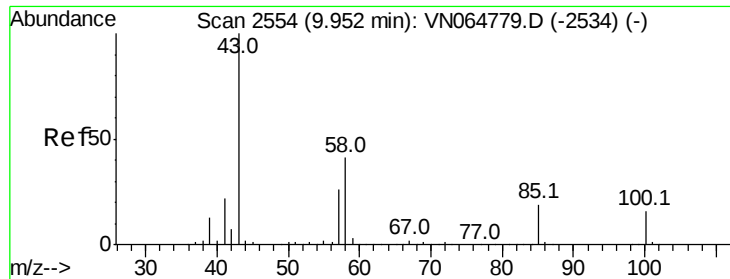
#50
 Toluene-d8
 Concen: 46.537 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion: 98 Resp: 345233
 Ion Ratio Lower Upper
 98 100
 100 65.7 51.7 77.5



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: 87.972 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampled :

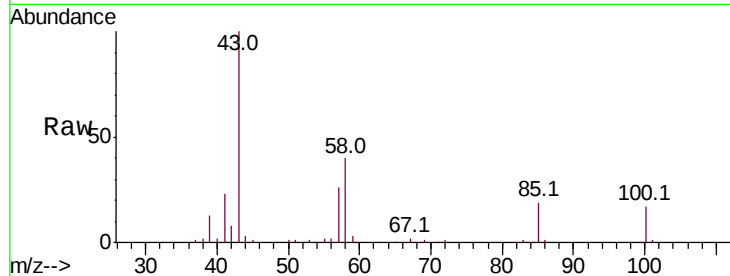
VN1209WBSD01

Tot Ion: 43 Resp: 230232

Ion Ratio Lower Upper

43 100

58 40.0 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

9.95

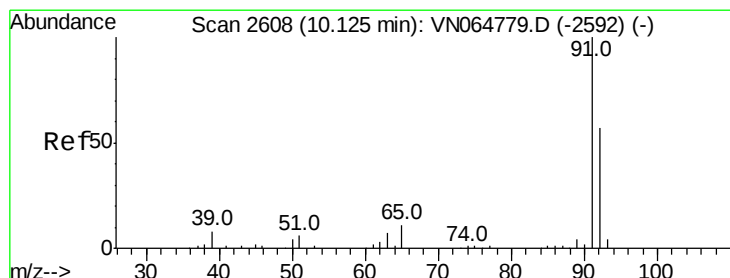
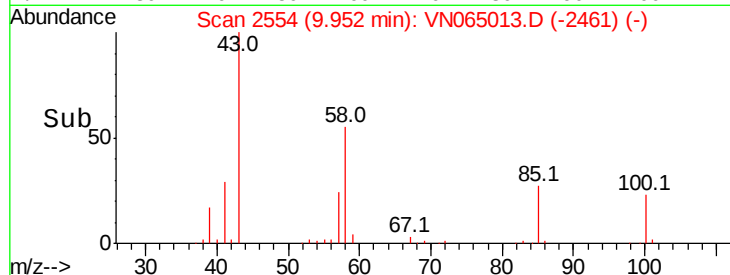
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.486 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN065013.D

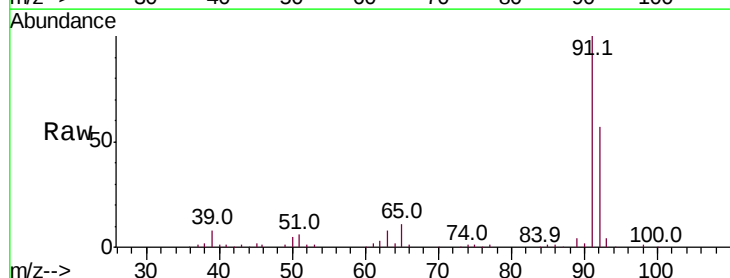
Acq: 9 Dec 2020 12:13

Tgt Ion: 92 Resp: 98112

Ion Ratio Lower Upper

92 100

91 172.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

10.12

100000

80000

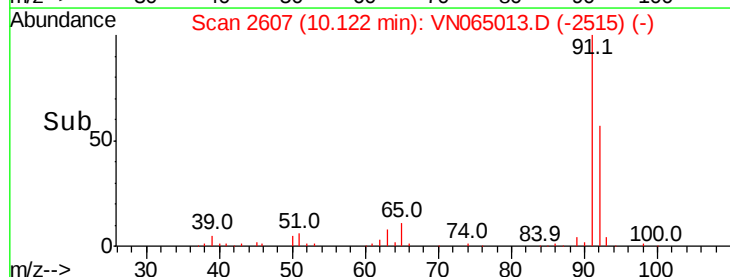
60000

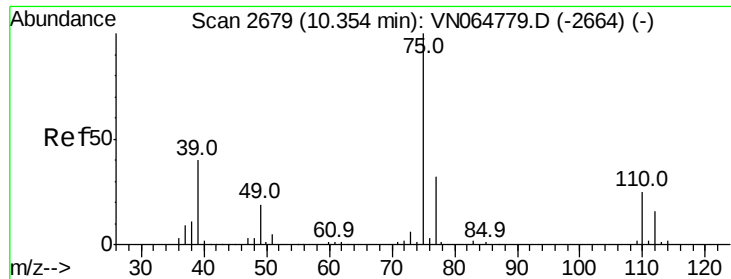
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.932 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

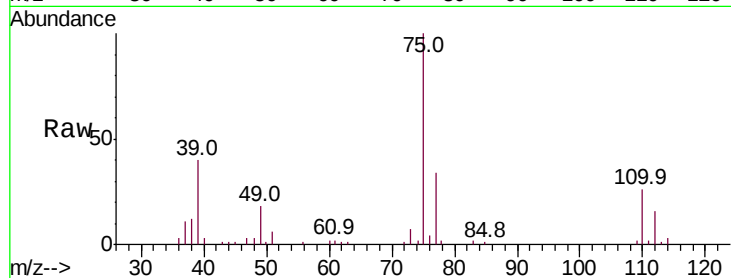
VN1209WBSD01

Tot Ion: 75 Resp: 59920

Ion Ratio Lower Upper

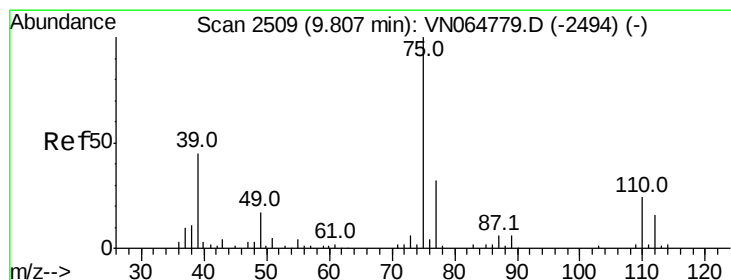
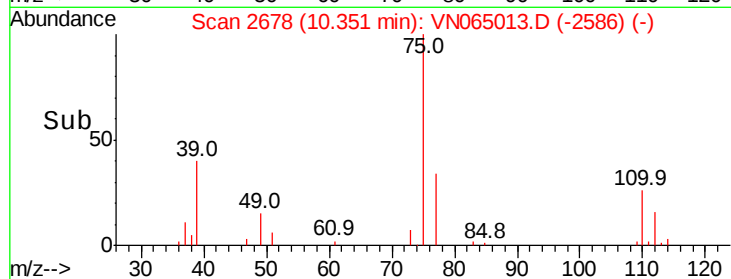
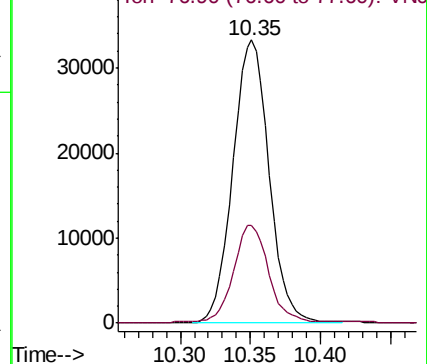
75 100

77 33.9 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.448 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

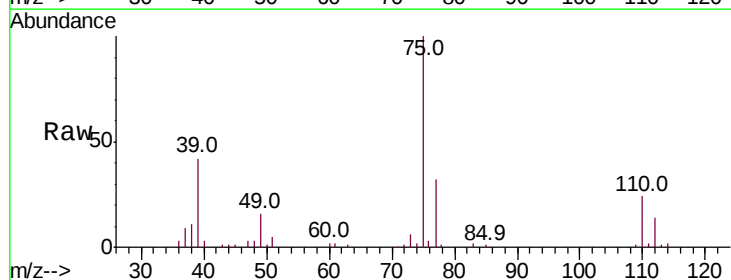
Tgt Ion: 75 Resp: 66076

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

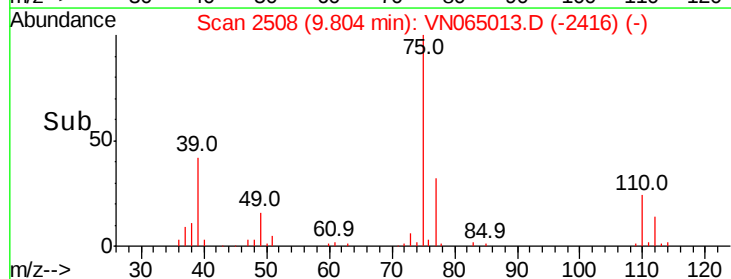
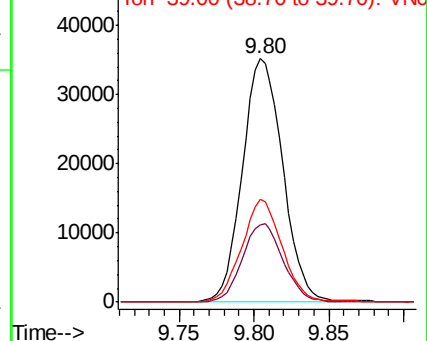
39 42.0 35.6 53.4

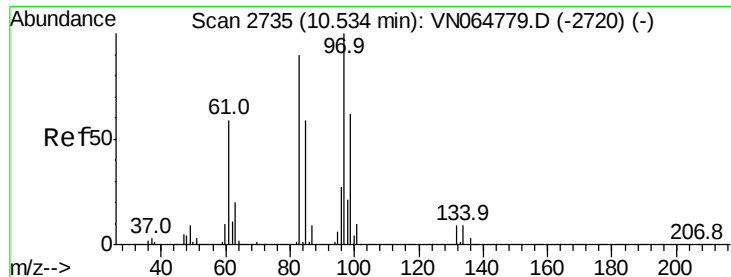


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.622 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

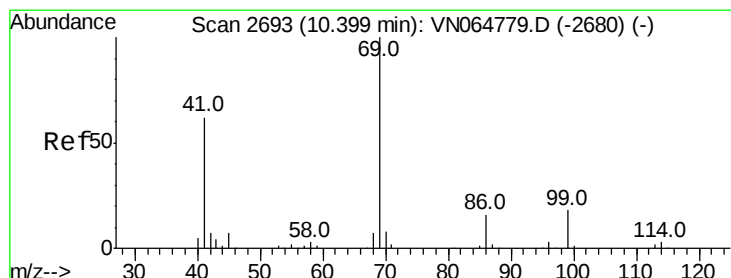
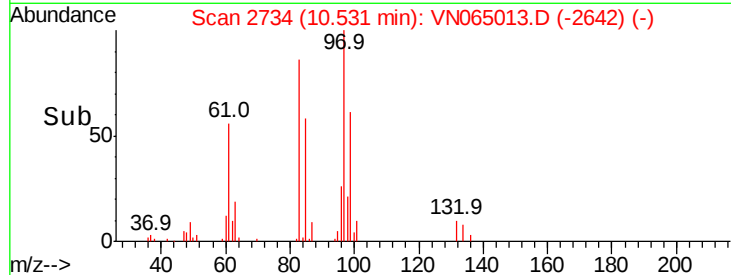
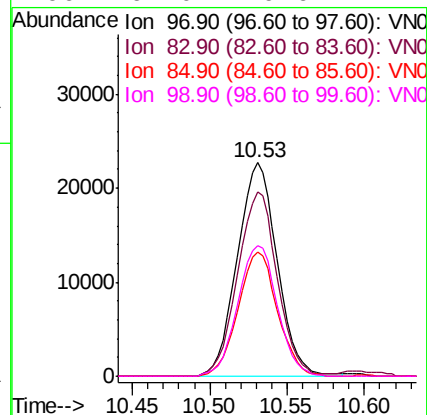
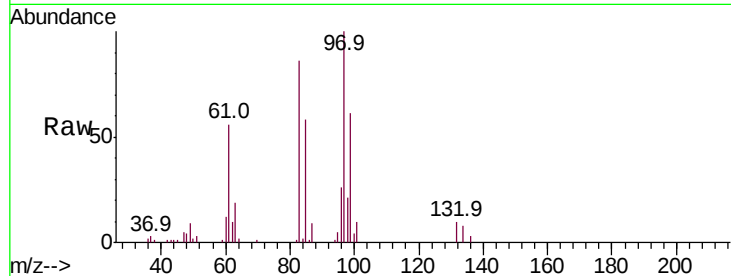
Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :
MSVOA_N
ClientSampled :
VN1209WBSD01

Tot Ion: 97 Resp: 40642

Ion	Ratio	Lower	Upper
97	100		
83	86.1	72.1	108.1
85	58.2	46.8	70.2
99	61.0	49.6	74.4



#56

Ethyl methacrylate

Concen: 17.596 ug/l

RT: 10.40 min Scan# 2693

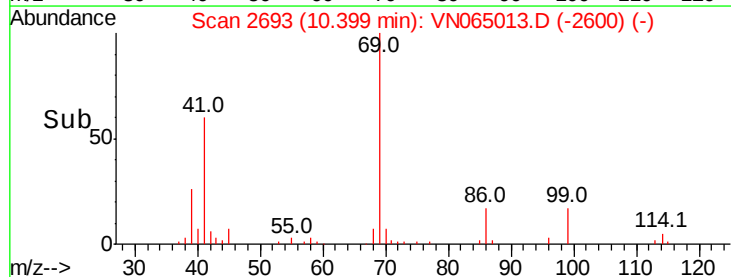
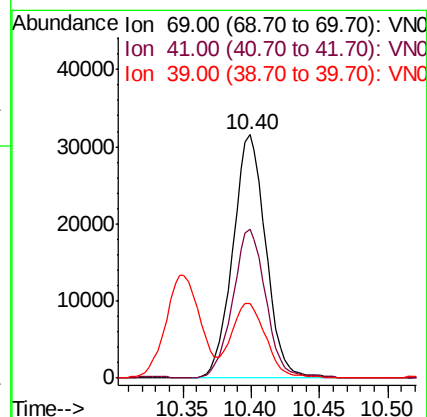
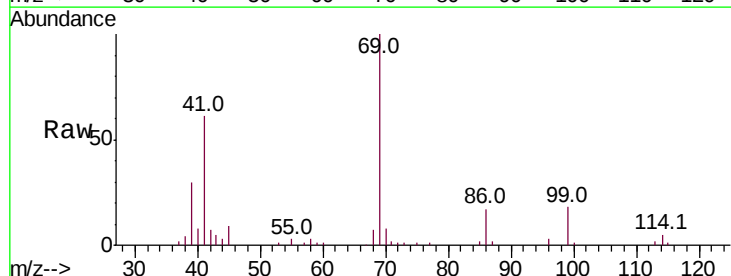
Delta R.T. 0.00 min

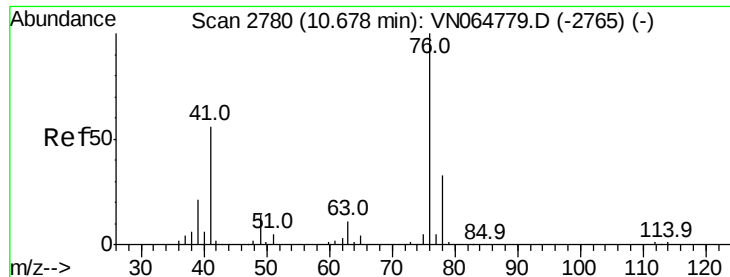
Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Tgt Ion: 69 Resp: 52995

Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.4	74.0
39	31.9	25.9	38.9





#57

1,3-Dichloropropane

Concen: 18.795 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

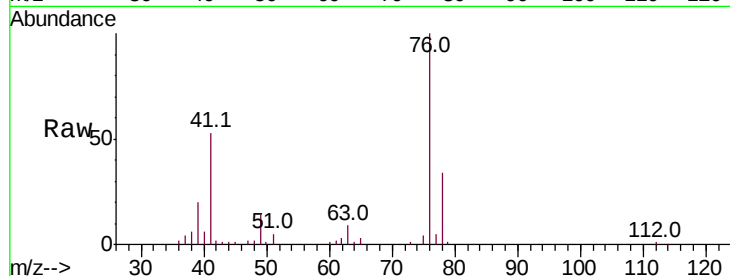
VN1209WBSD01

Tot Ion: 76 Resp: 67666

Ion Ratio Lower Upper

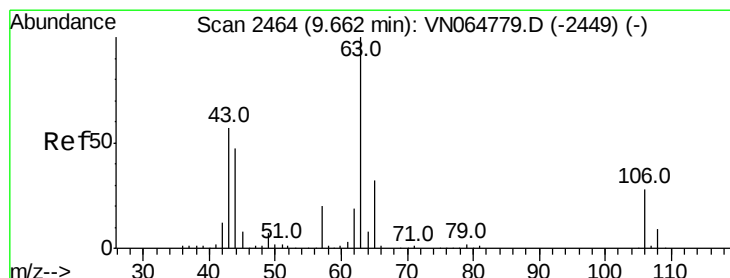
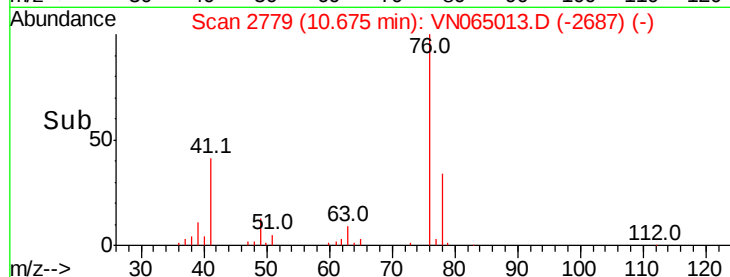
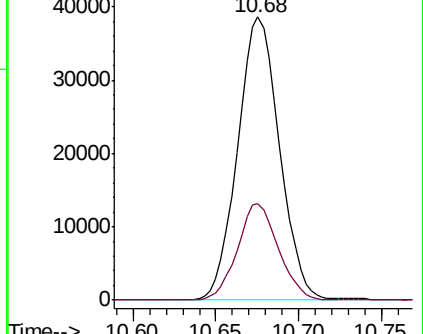
76 100

78 33.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 84.872 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN065013.D

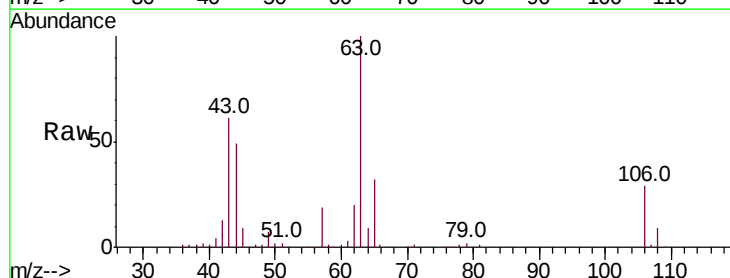
Acq: 9 Dec 2020 12:13

Tgt Ion: 63 Resp: 140606

Ion Ratio Lower Upper

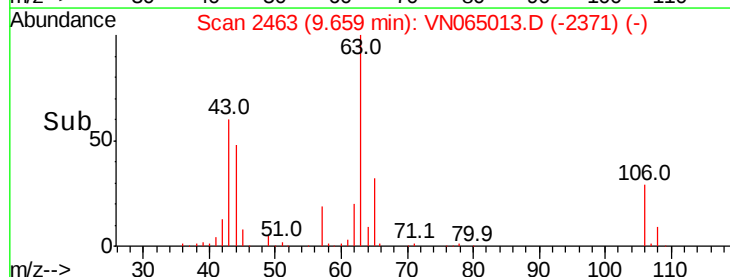
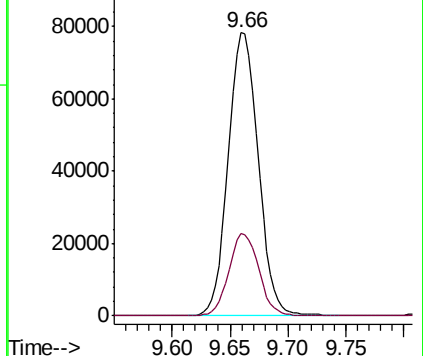
63 100

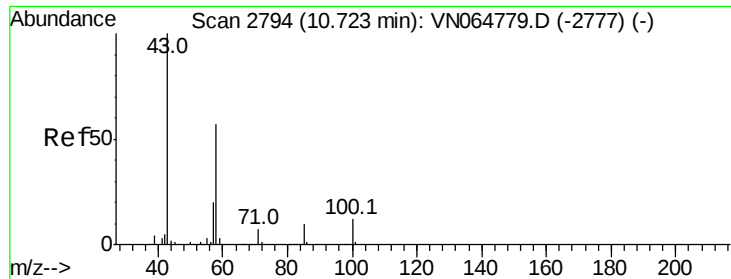
106 28.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

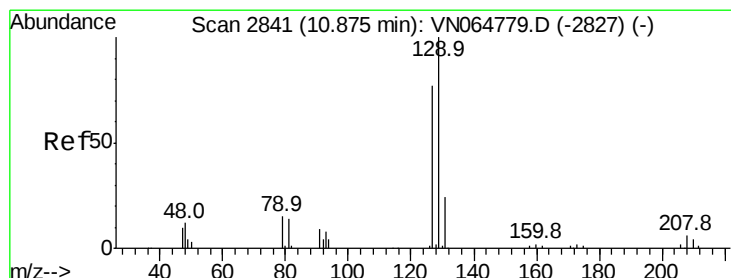
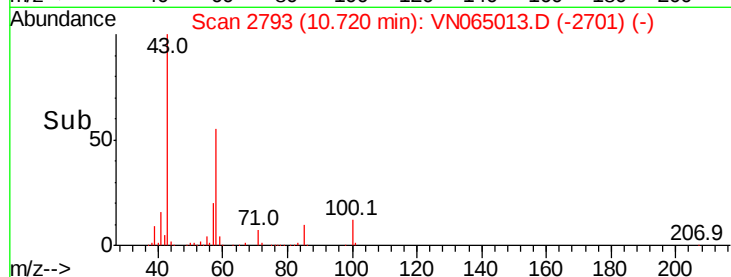
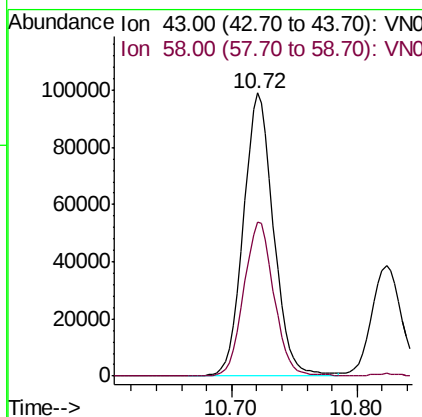
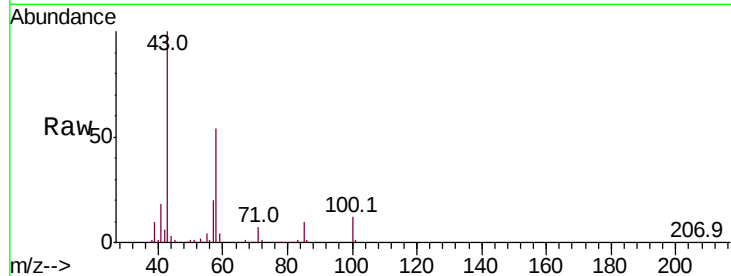




#59
2-Hexanone
Concen: 87.196 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

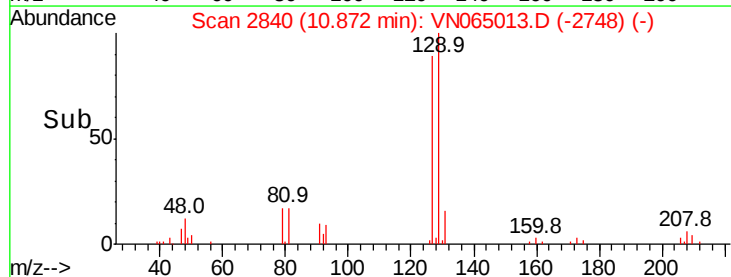
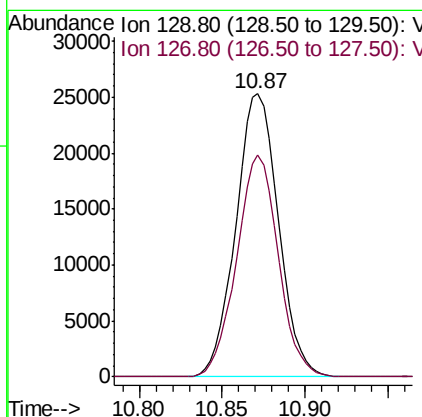
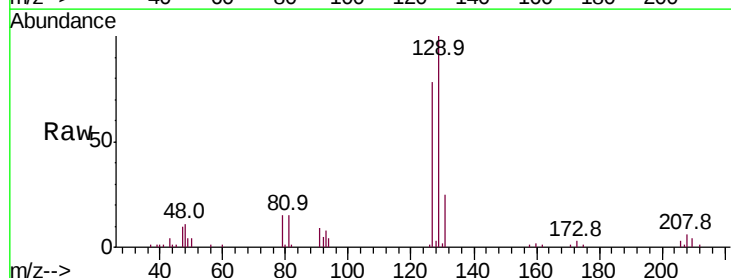
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

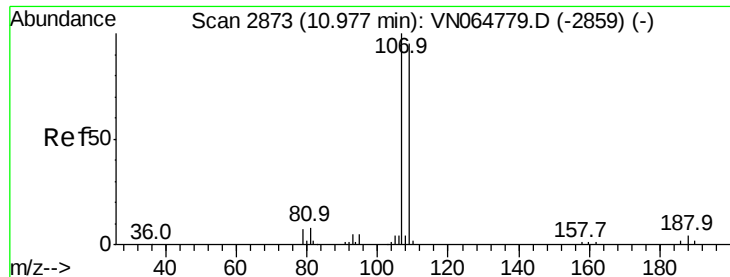
Tot Ion: 43 Resp: 164233
Ion Ratio Lower Upper
43 100
58 55.0 28.3 84.9



#60
Dibromochloromethane
Concen: 18.702 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 129 Resp: 45372
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.196 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

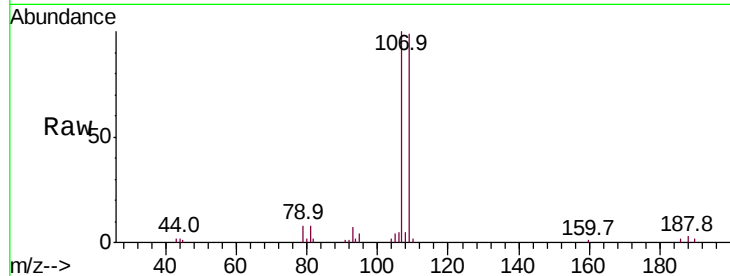
VN1209WBSD01

Tot Ion:107 Resp: 40347

Ion Ratio Lower Upper

107 100

109 95.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.97

25000

20000

15000

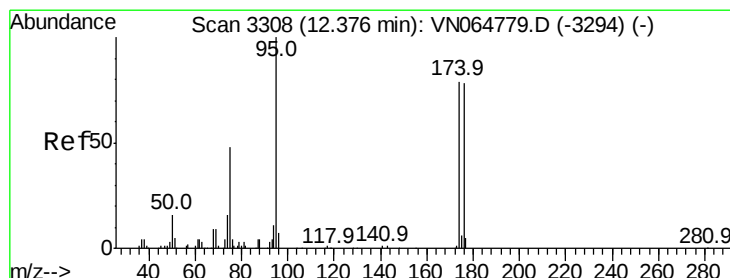
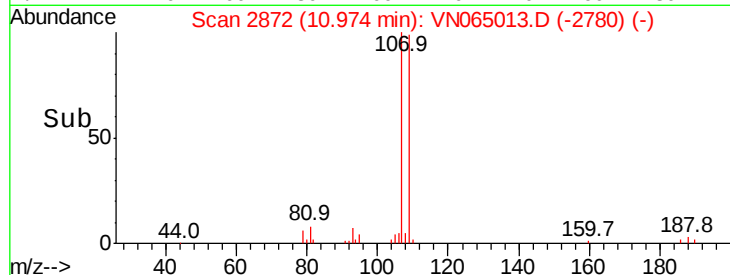
10000

5000

0

Time-->

10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 46.353 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

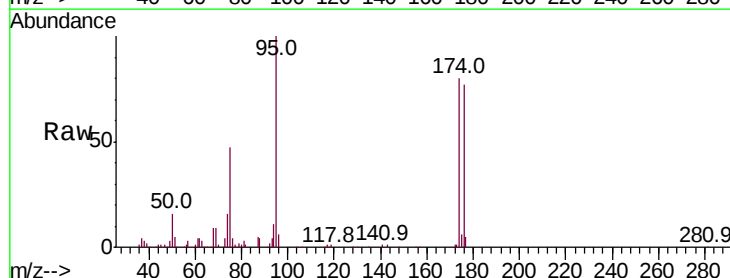
Tgt Ion: 95 Resp: 123062

Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.4

176 79.0 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

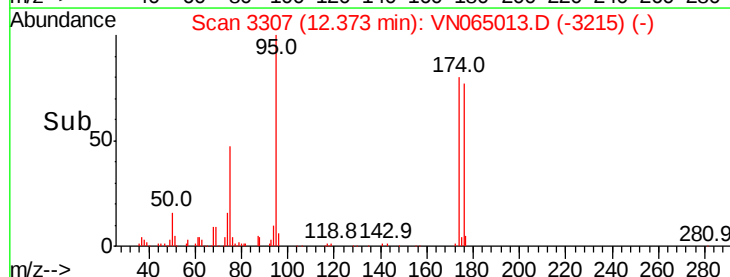
40000

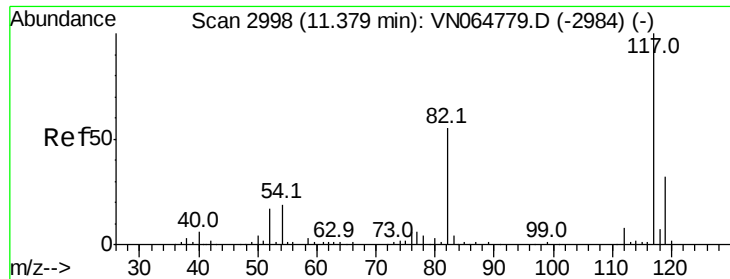
20000

0

Time-->

12.30 12.35 12.40 12.45

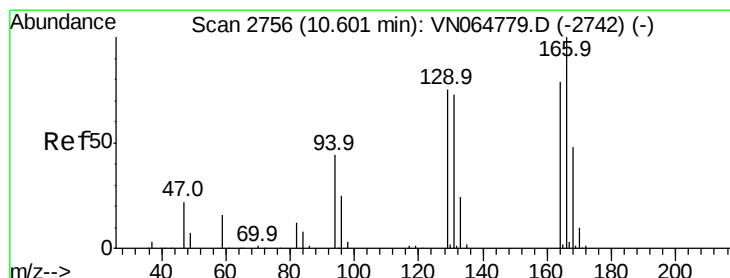
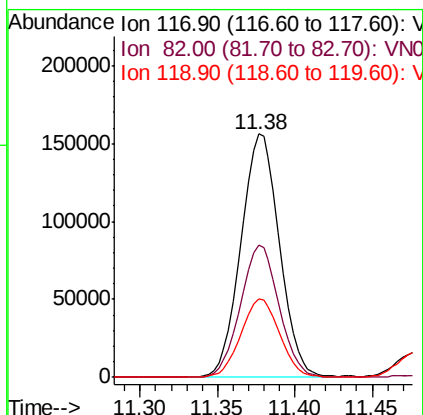
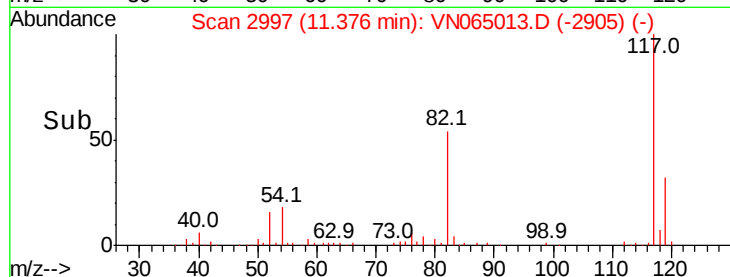
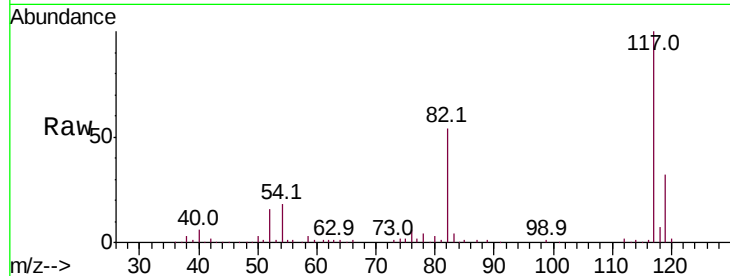




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

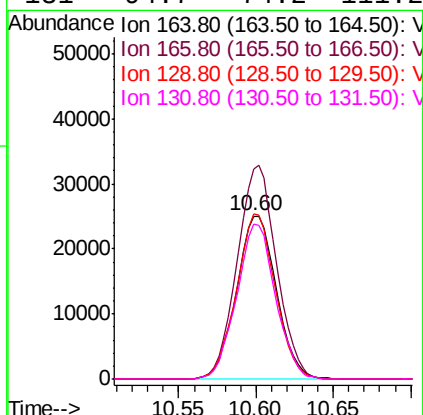
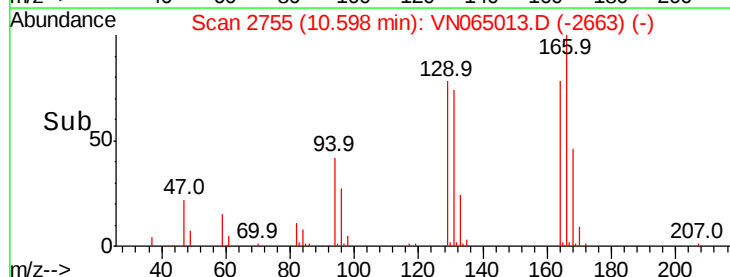
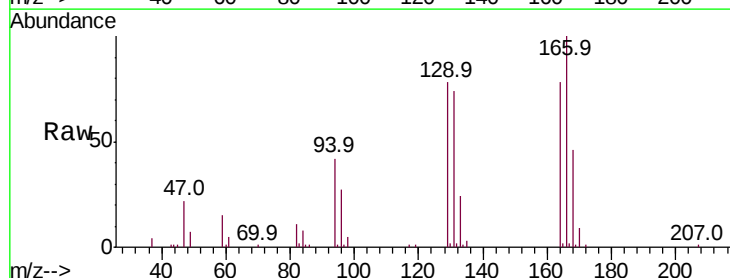
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

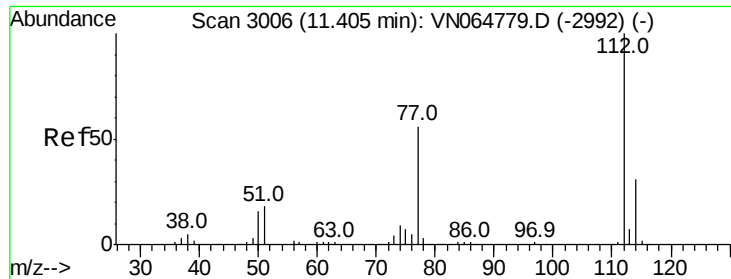
Tot Ion:117 Resp: 271002
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 17.069 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion:164 Resp: 45004
Ion Ratio Lower Upper
164 100
166 128.7 101.4 152.0
129 100.9 76.1 114.1
131 94.7 74.2 111.2

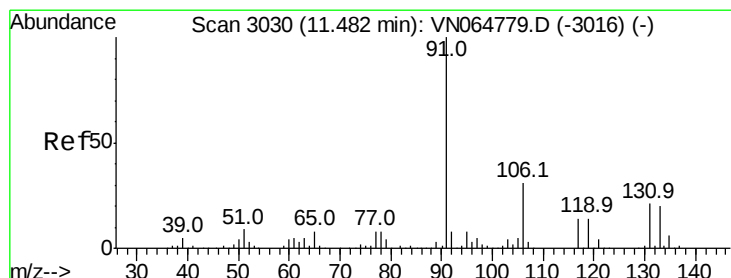
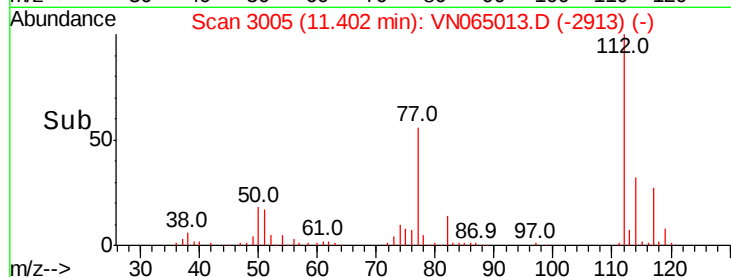
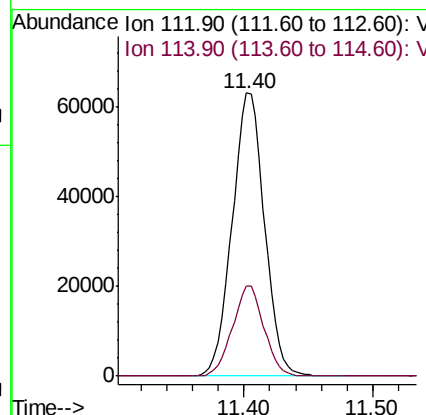
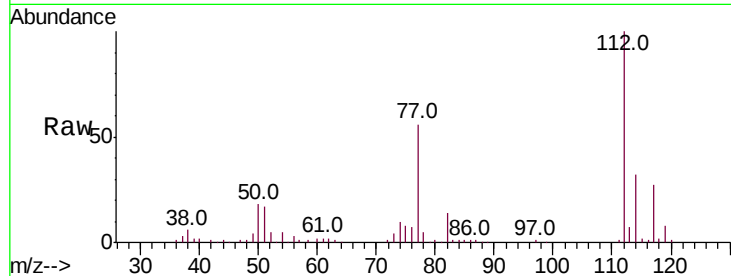




#65
Chlorobenzene
Concen: 18.841 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

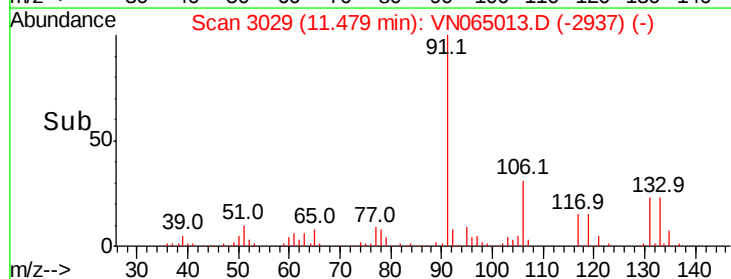
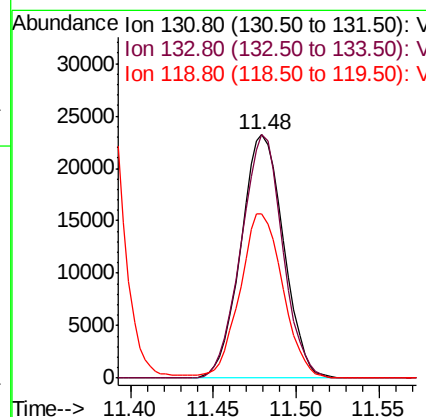
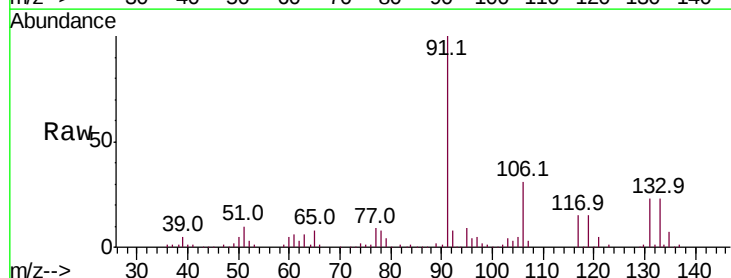
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

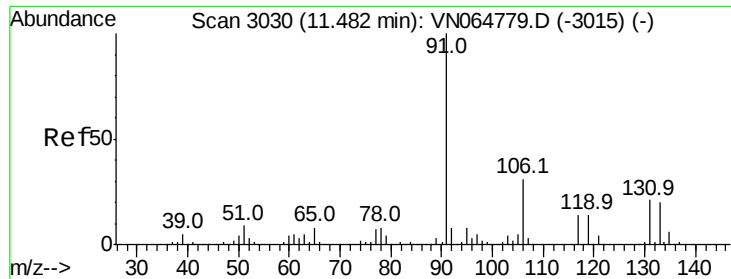
Tot Ion:112 Resp: 109650
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.445 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion:131 Resp: 41588
Ion Ratio Lower Upper
131 100
133 96.9 47.5 142.5
119 67.8 33.3 99.8

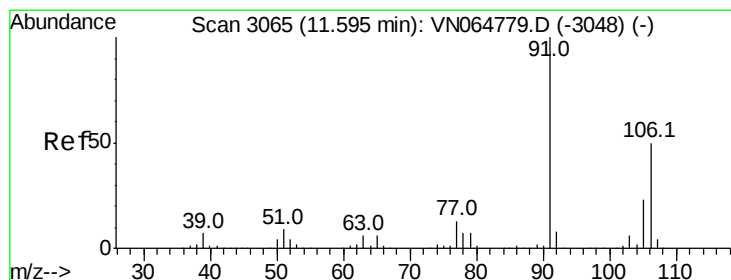
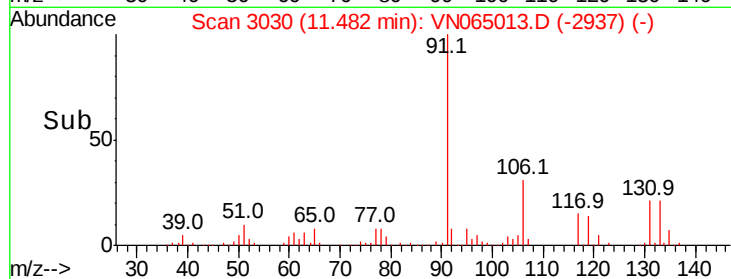
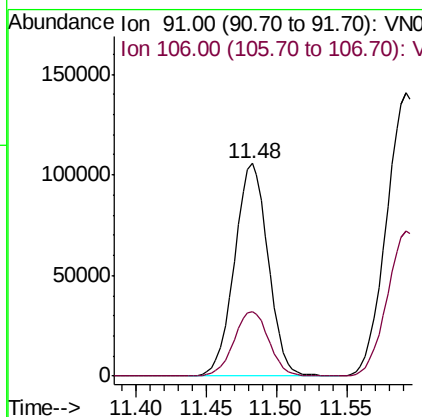
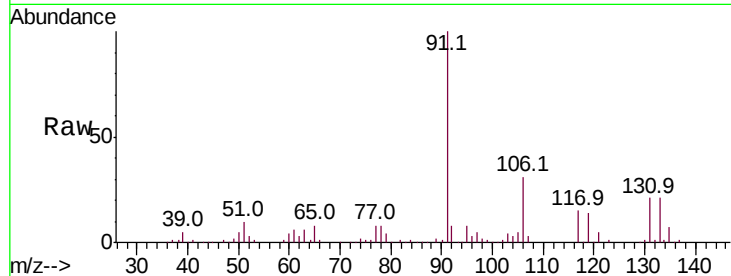




#67
Ethyl Benzene
Concen: 18.202 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

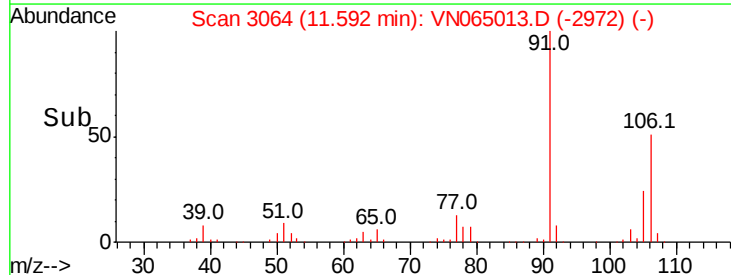
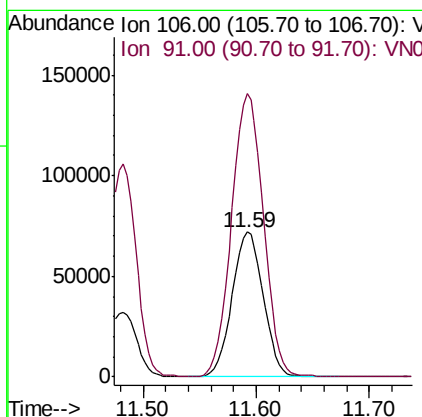
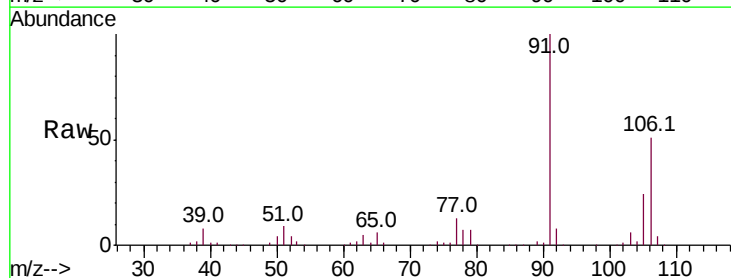
Instrument :
MSVOA_N
ClientSampled :
VN1209WBSD01

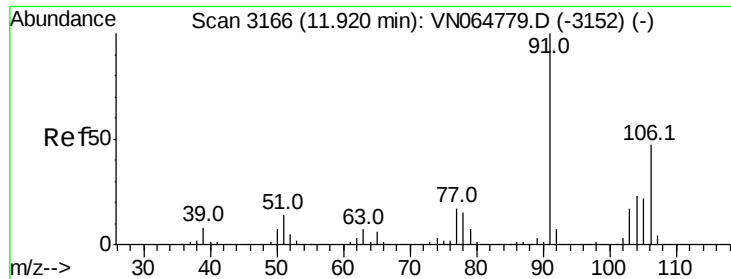
Tot Ion: 91 Resp: 176962
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8



#68
m/p-Xylenes
Concen: 37.588 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 106 Resp: 138358
Ion Ratio Lower Upper
106 100
91 199.4 161.0 241.4

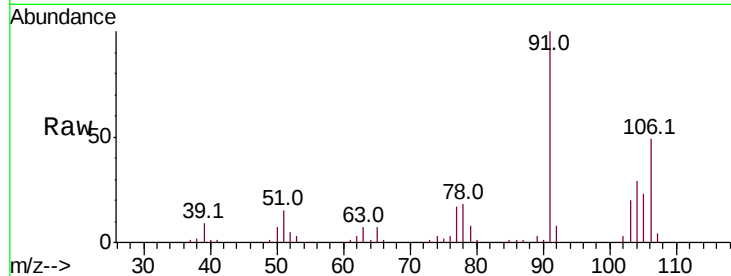




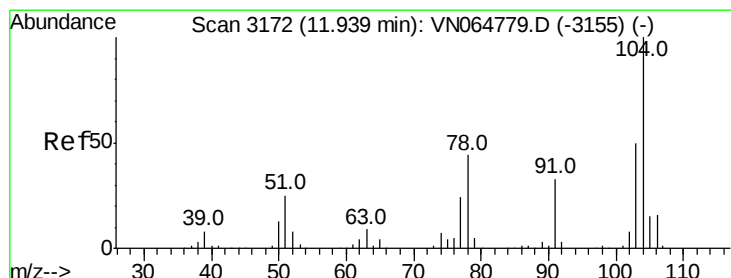
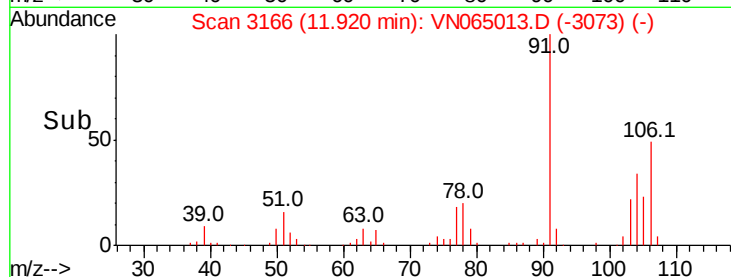
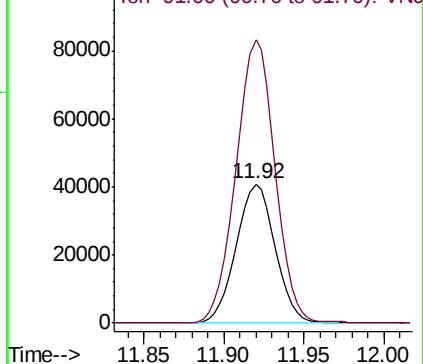
#69
o-Xylene
Concen: 19.314 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tot Ion:106 Resp: 67463
Ion Ratio Lower Upper
106 100
91 204.1 105.5 316.5

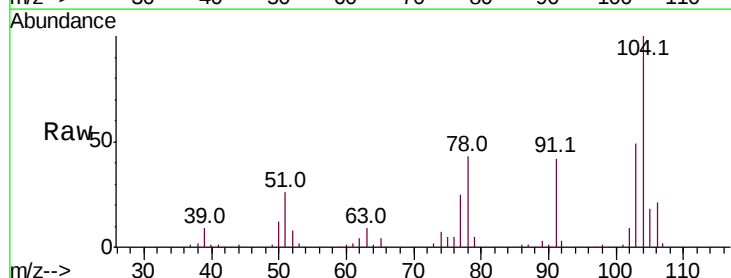


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

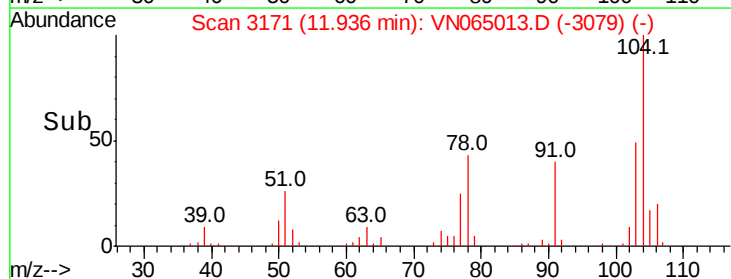
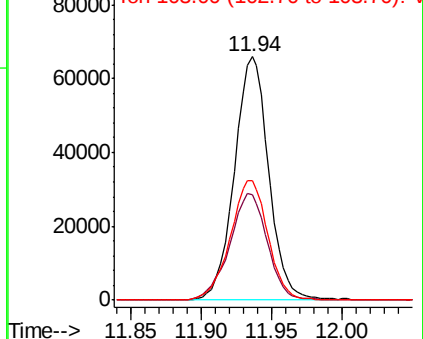


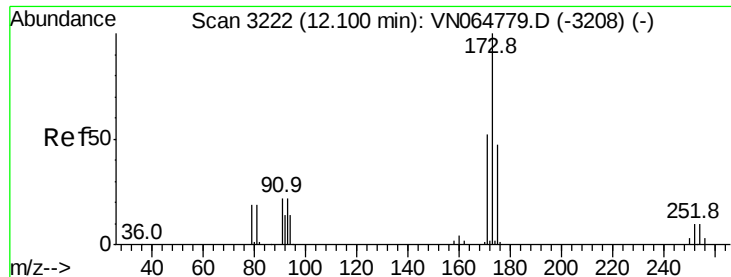
#70
Styrene
Concen: 19.061 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion:104 Resp: 112400
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.6
103 53.7 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.986 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

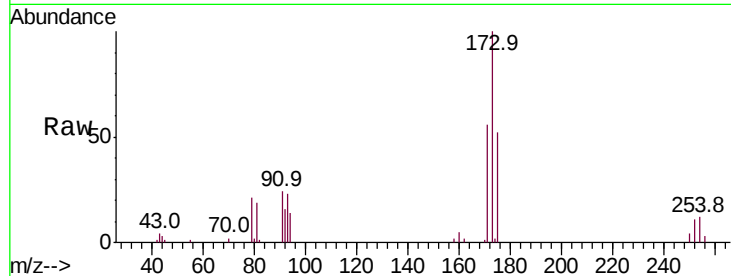
Tot Ion:173 Resp: 30724

Ion Ratio Lower Upper

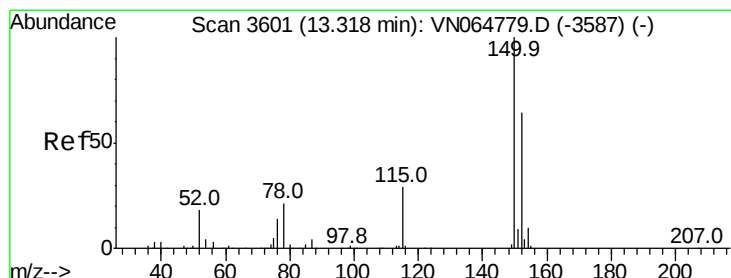
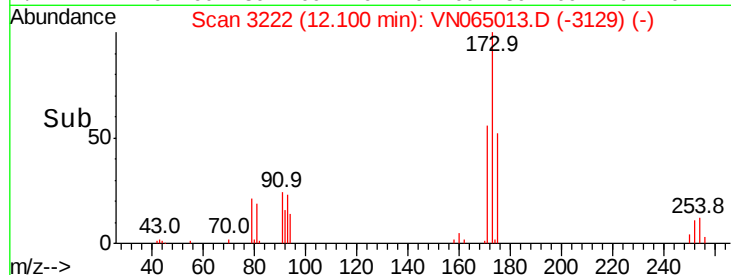
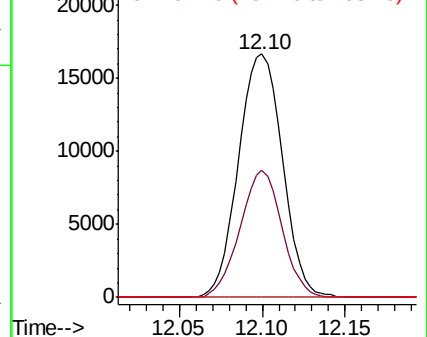
173 100

175 49.7 24.3 72.8

254 0.0 0.0 0.0



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: VN065013.D

Acq: 9 Dec 2020 12:13

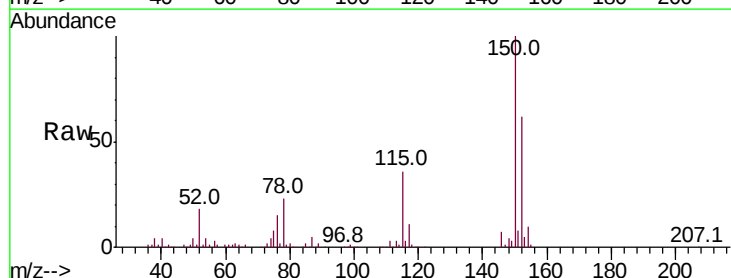
Tgt Ion:152 Resp: 130751

Ion Ratio Lower Upper

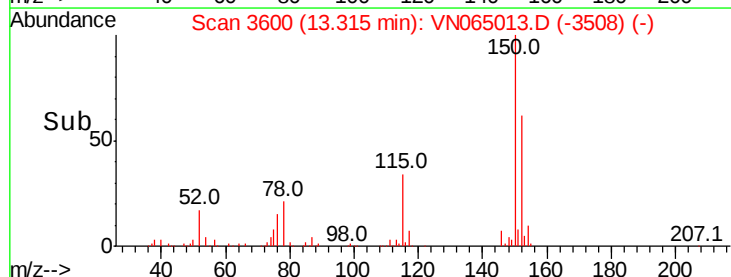
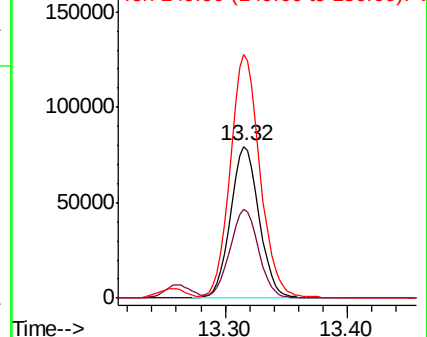
152 100

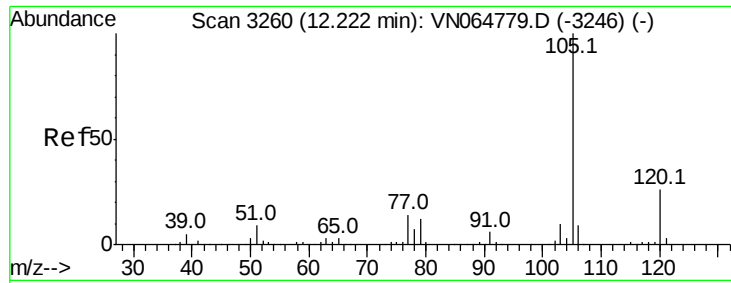
115 57.9 29.7 89.1

150 166.0 0.0 350.6



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: 18.952 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

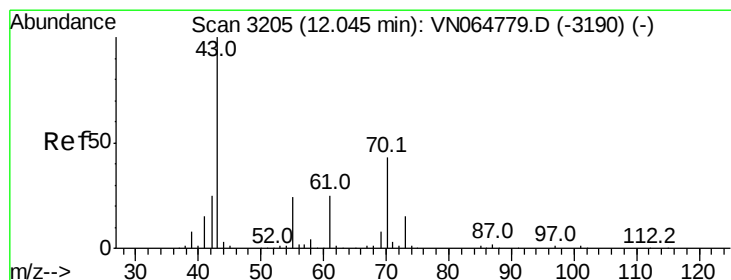
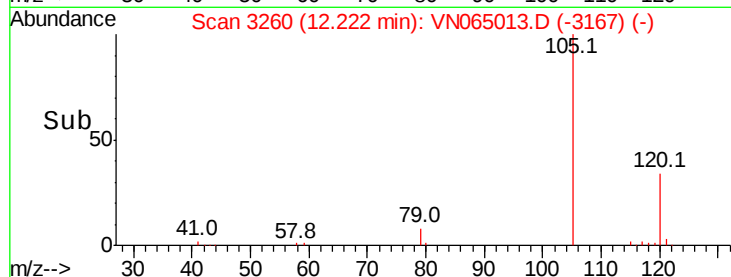
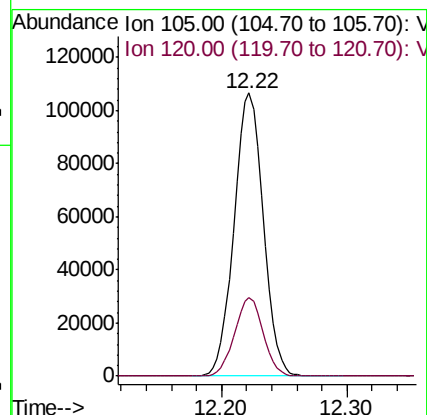
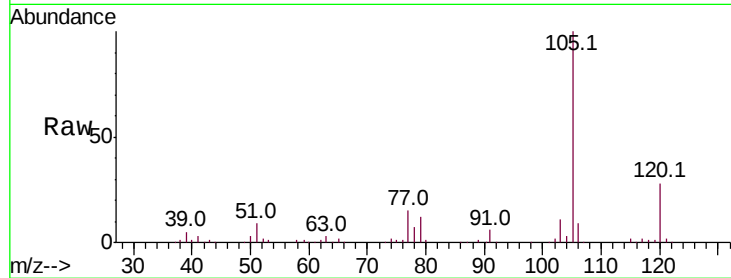
VN1209WBSD01

Tot Ion:105 Resp: 172365

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 17.208 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Tgt Ion: 43 Resp: 61589

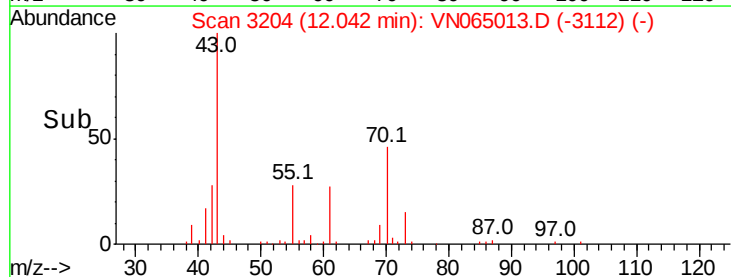
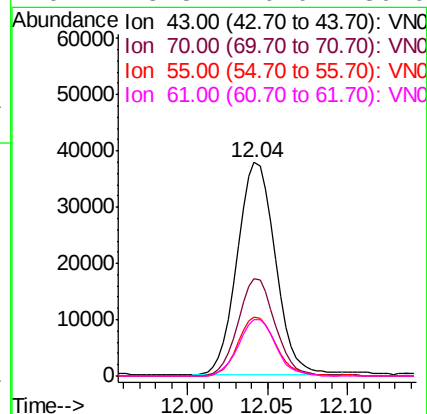
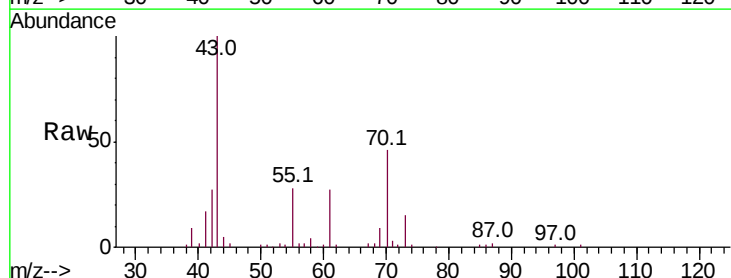
Ion Ratio Lower Upper

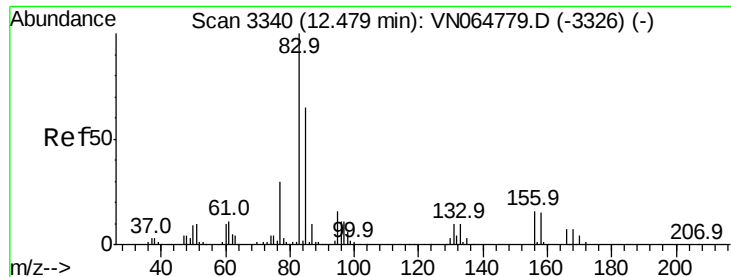
43 100

70 44.3 34.5 51.7

55 27.0 20.4 30.6

61 25.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.187 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

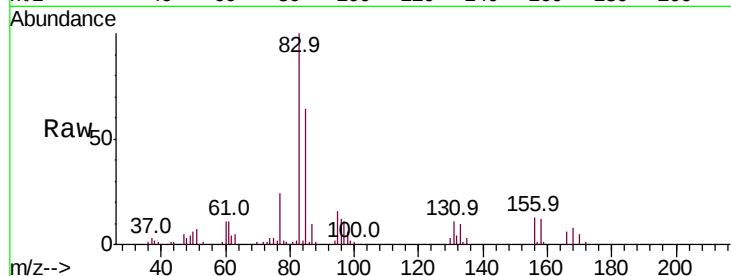
Tot Ion: 83 Resp: 53812

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

85 65.3 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN064779.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-3326) (-)

Time-->

12.48

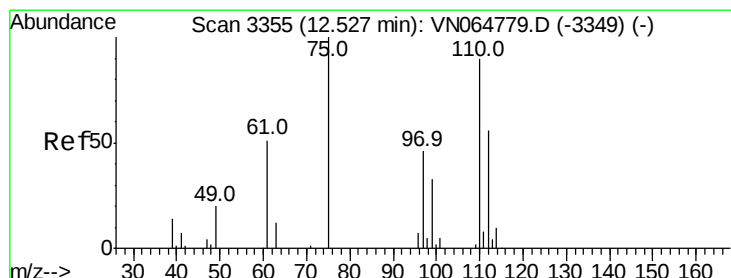
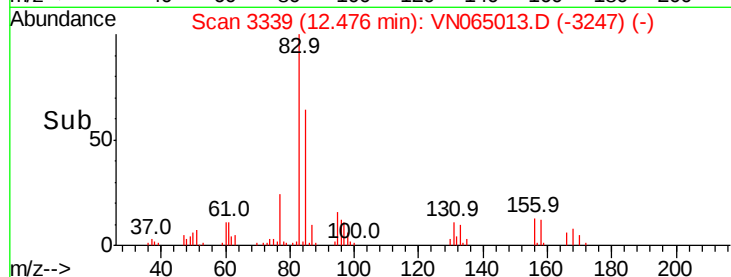
30000

20000

10000

0

12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 25.298 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN065013.D

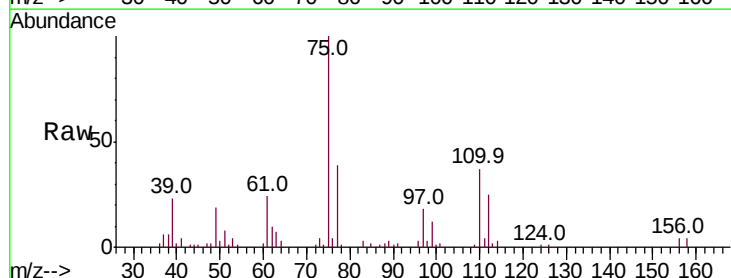
Acq: 9 Dec 2020 12:13

Tgt Ion: 75 Resp: 71235

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)

Time-->

12.53

50000

40000

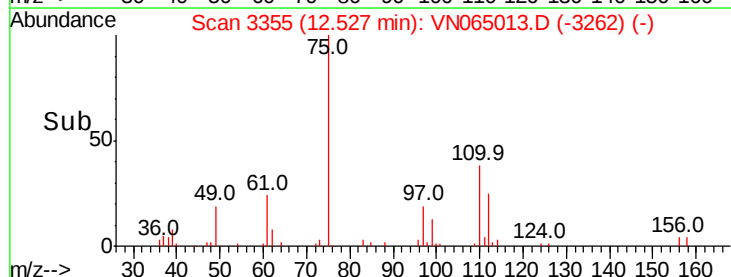
30000

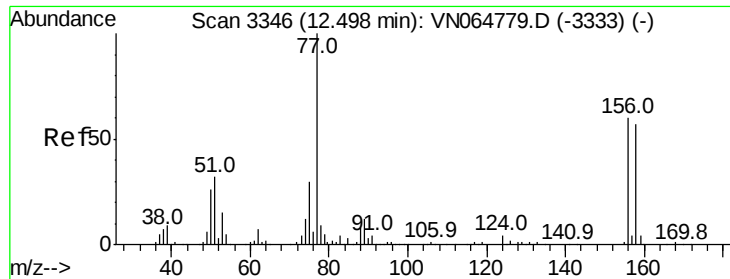
20000

10000

0

12.40 12.50 12.60





#77

Bromobenzene

Concen: 19.095 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

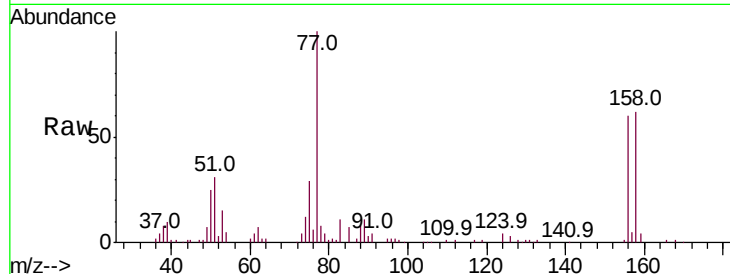
Tot Ion:156 Resp: 46819

Ion Ratio Lower Upper

156 100

77 198.8 101.3 303.7

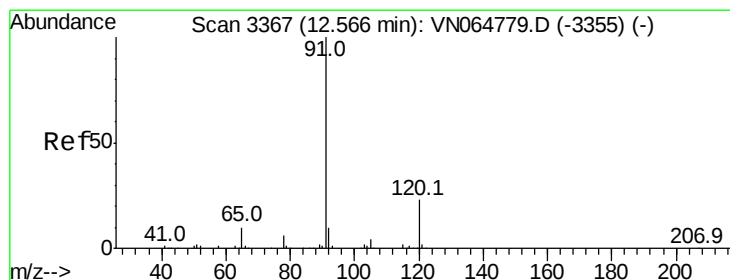
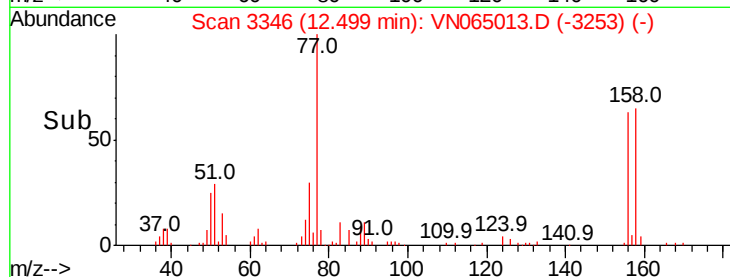
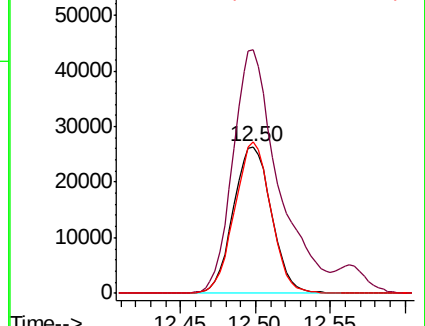
158 98.0 48.2 144.6



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: 18.914 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN065013.D

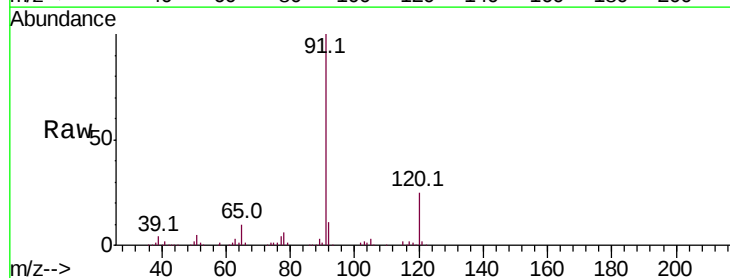
Acq: 9 Dec 2020 12:13

Tgt Ion: 91 Resp: 195962

Ion Ratio Lower Upper

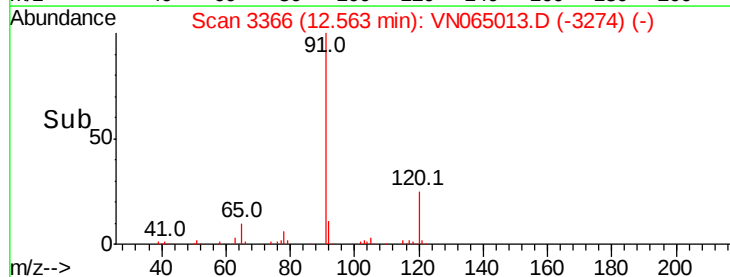
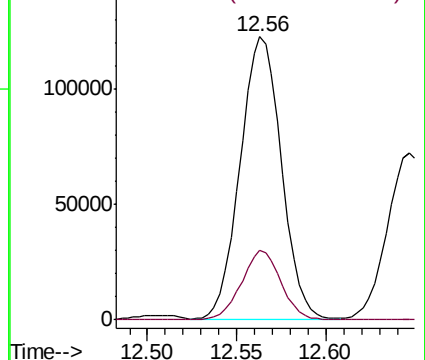
91 100

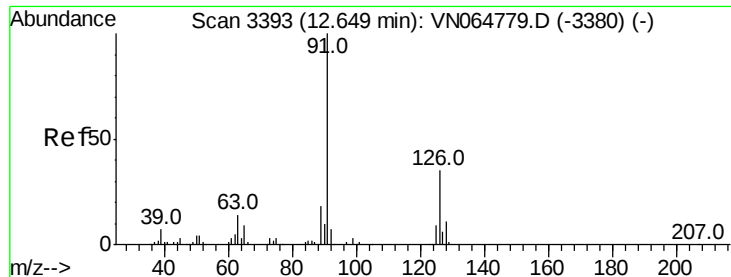
120 23.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

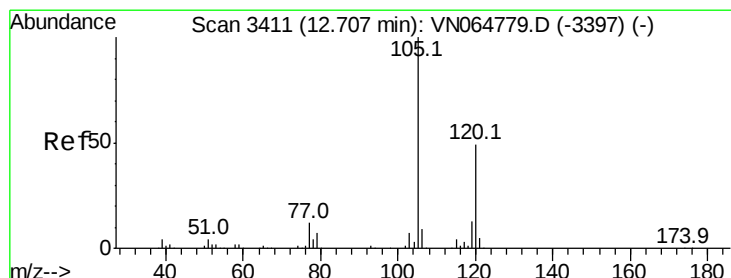
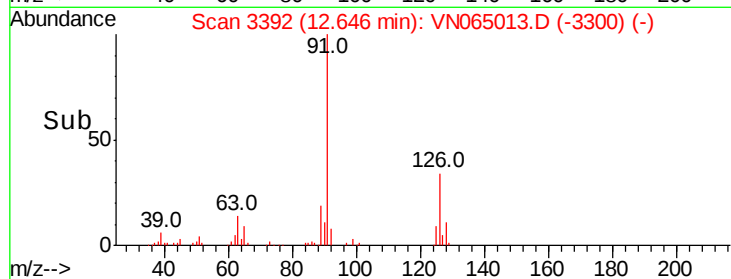
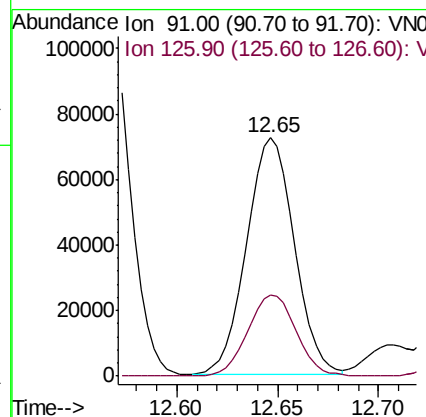
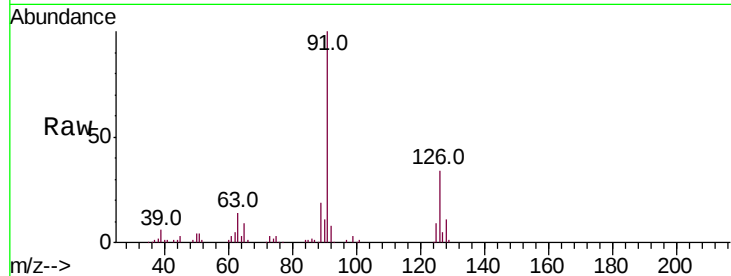




#79
 2-Chlorotoluene
 Concen: 18.845 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

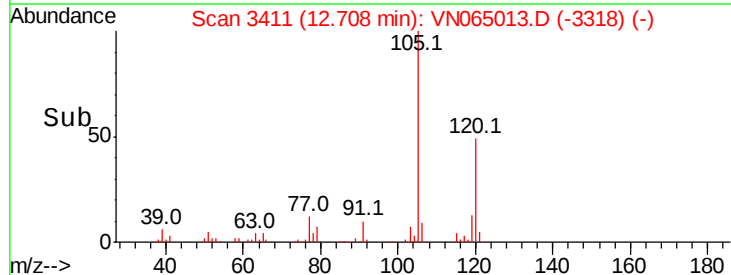
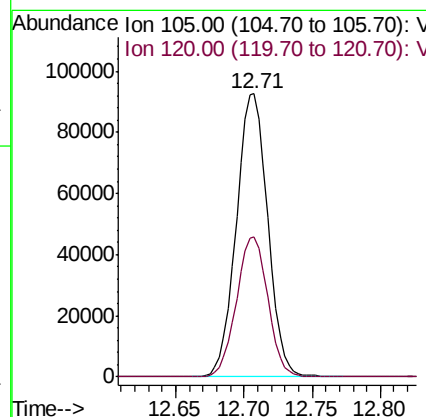
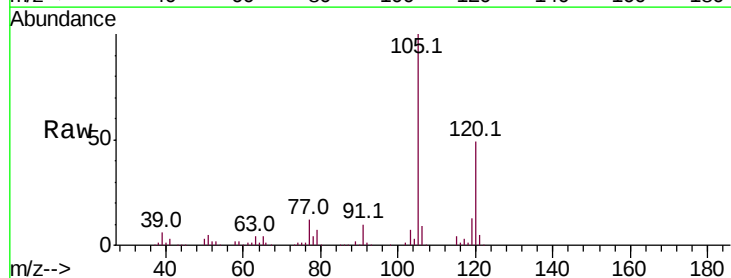
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

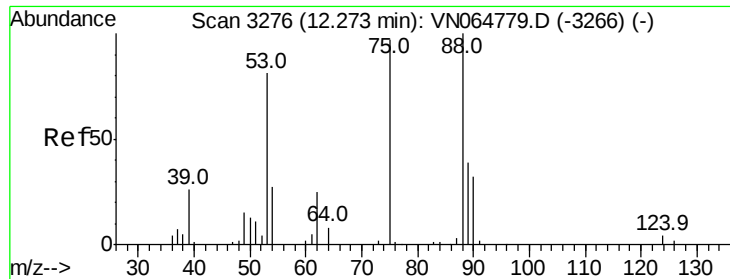
Tot Ion: 91 Resp: 120692
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.600 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion: 105 Resp: 148166
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.506 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

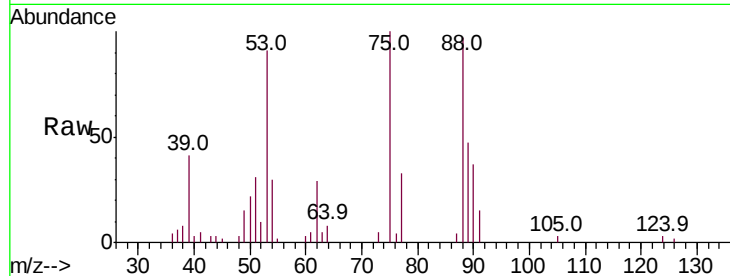
Tot Ion: 75 Resp: 17985

Ion Ratio Lower Upper

75 100

53 86.9 67.0 100.4

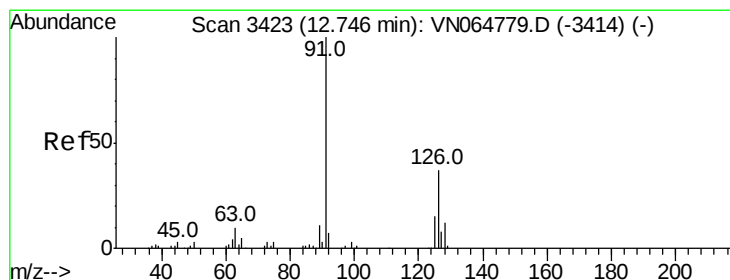
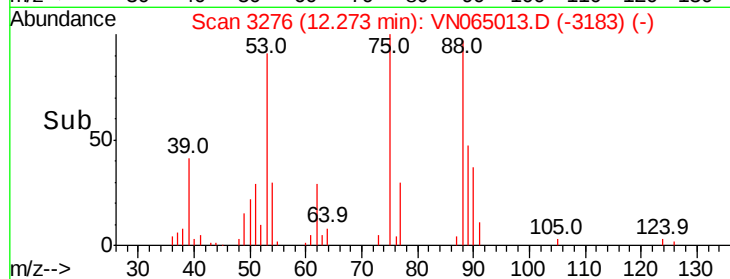
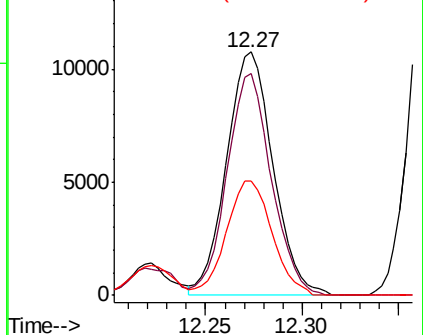
89 46.2 39.6 59.4



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)



#82

4-Chlorotoluene

Concen: 18.949 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN065013.D

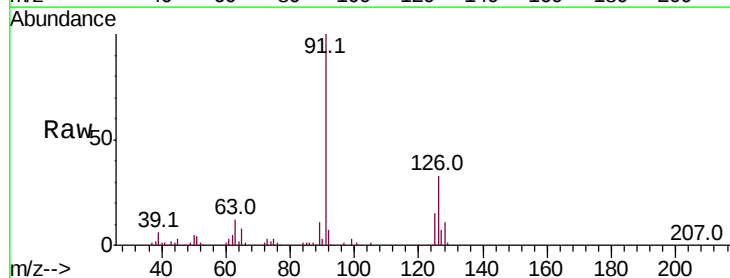
Acq: 9 Dec 2020 12:13

Tgt Ion: 91 Resp: 127205

Ion Ratio Lower Upper

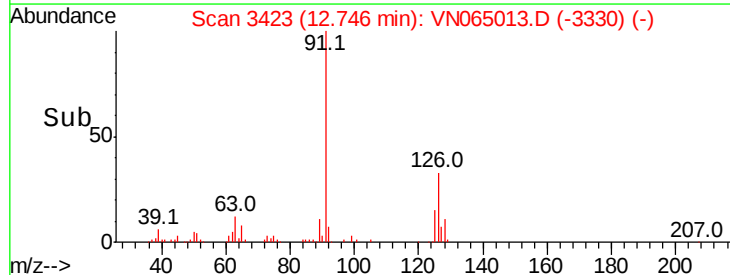
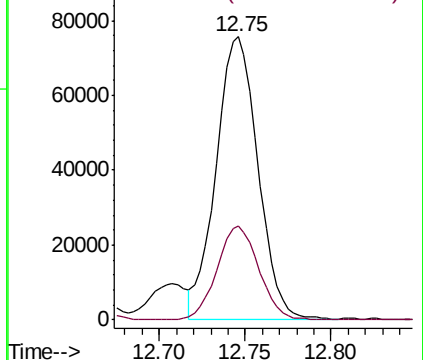
91 100

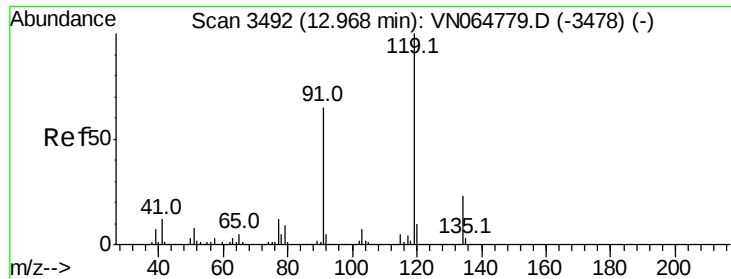
126 33.4 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3414) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3414) (-)

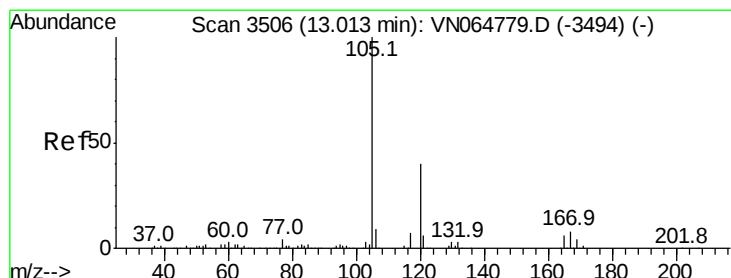
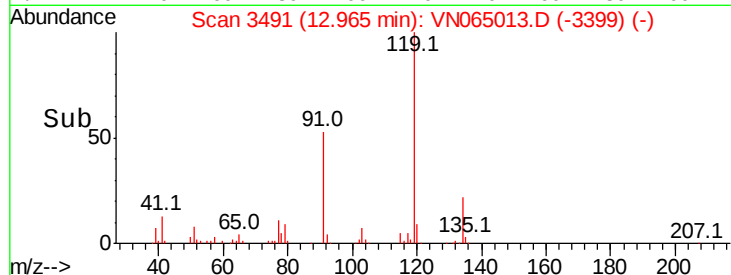
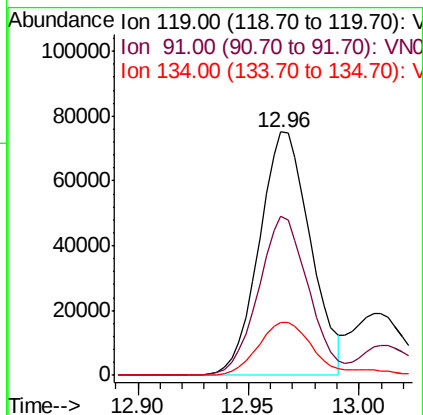
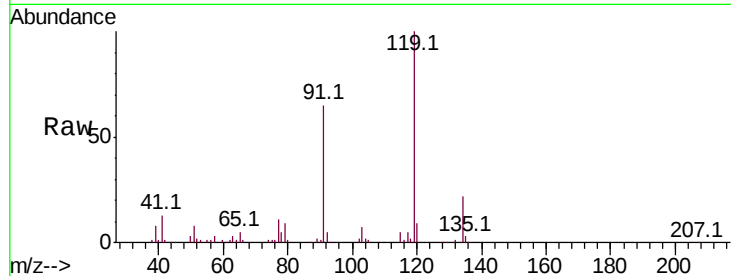




#83
tert-Butylbenzene
Concen: 19.091 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

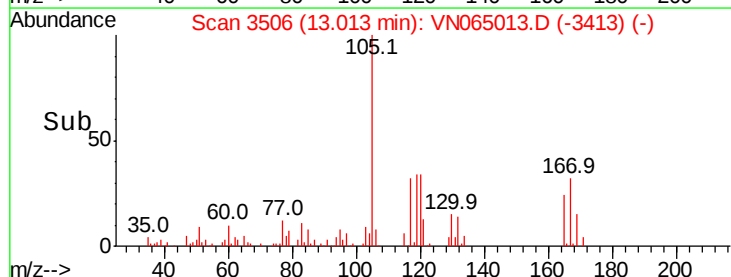
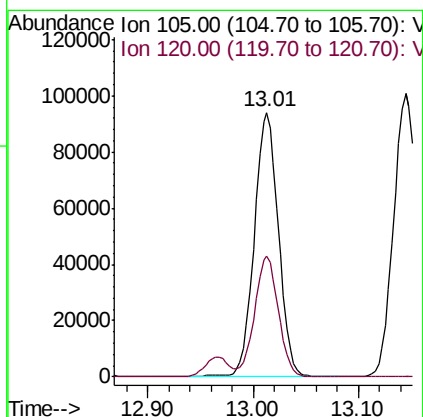
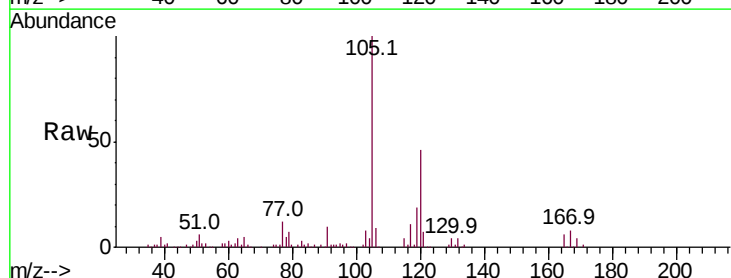
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

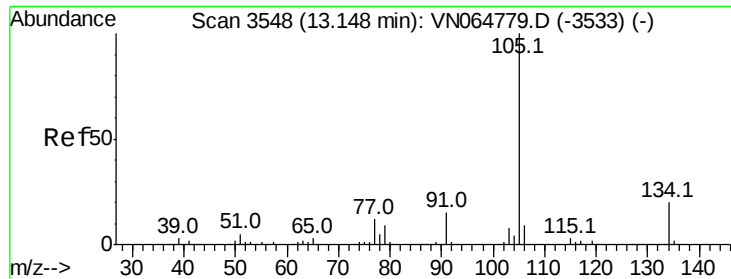
Tot Ion:119 Resp: 120965
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.8
134 24.6 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 19.659 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion:105 Resp: 150257
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2

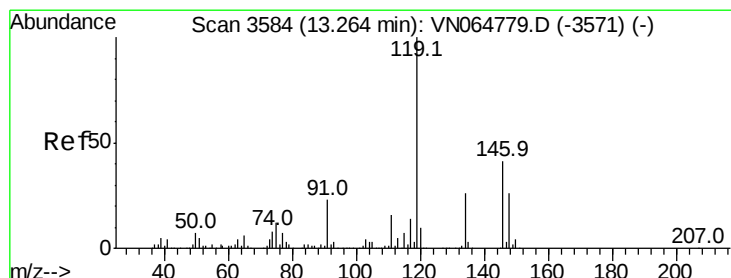
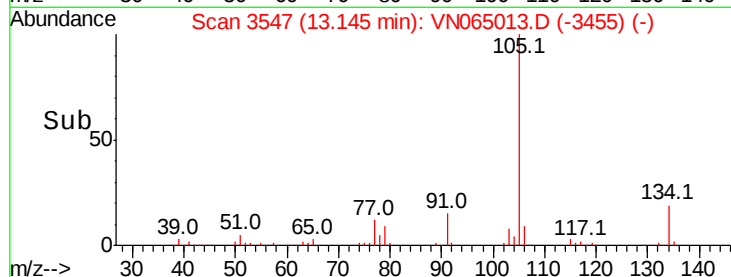
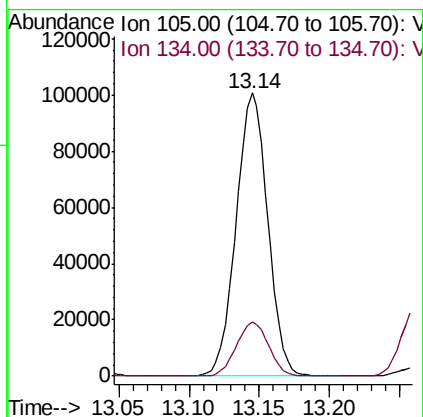
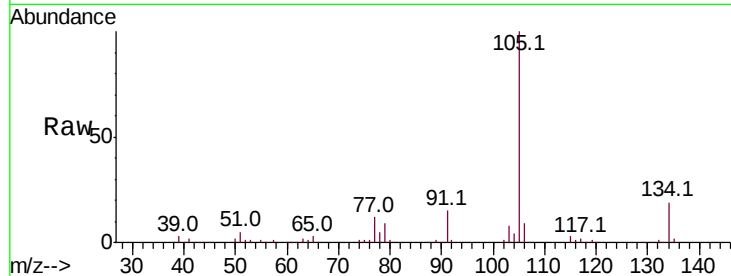




#85
 sec-Butylbenzene
 Concen: 18.836 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

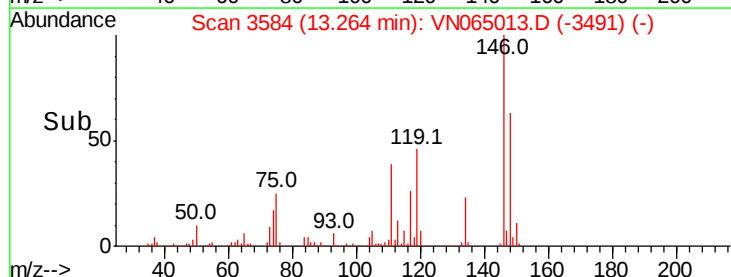
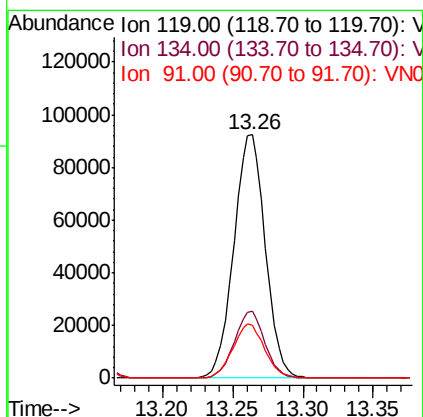
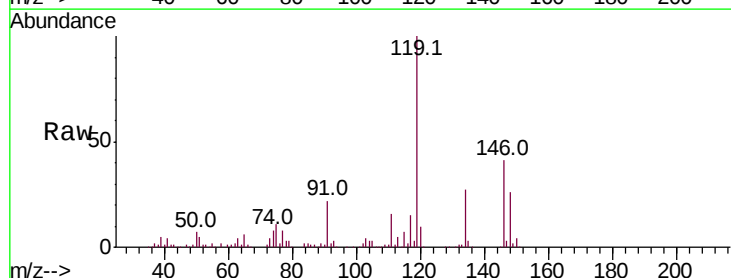
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

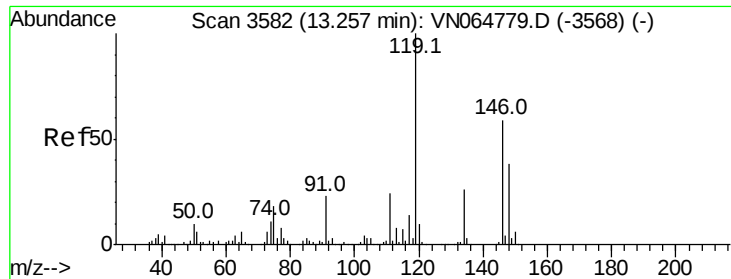
Tot Ion:105 Resp: 158463
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 18.883 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion:119 Resp: 144629
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.1
 91 22.4 11.5 34.5

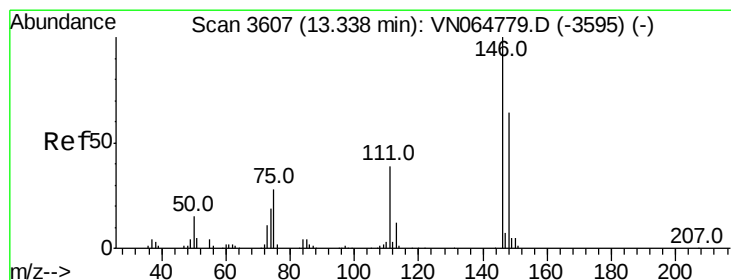
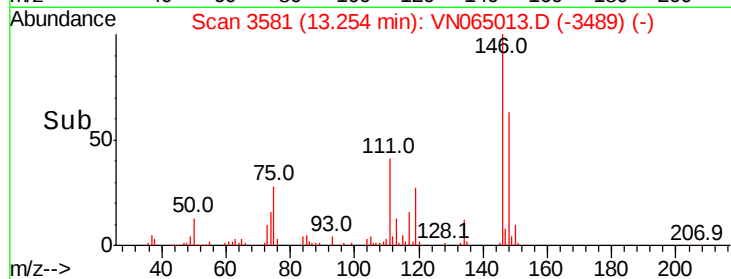
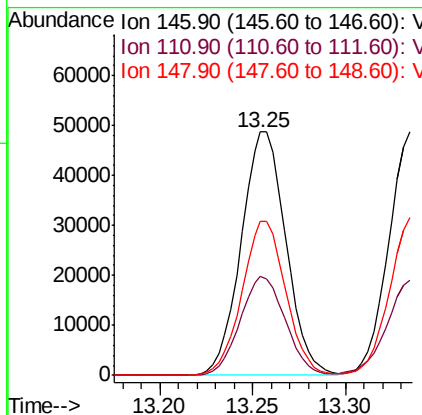
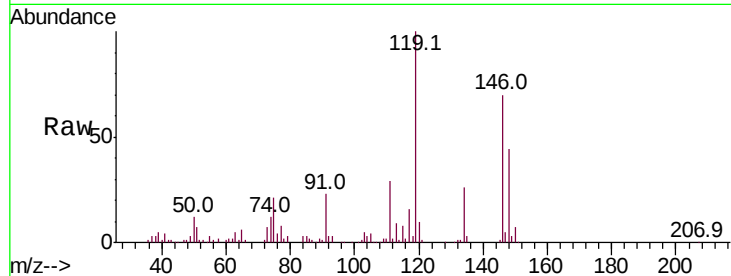




#87
 1,3-Dichlorobenzene
 Concen: 18.750 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

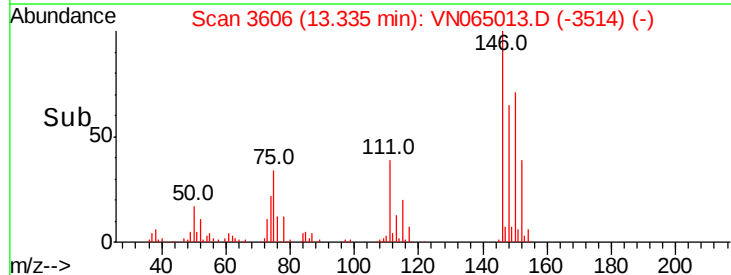
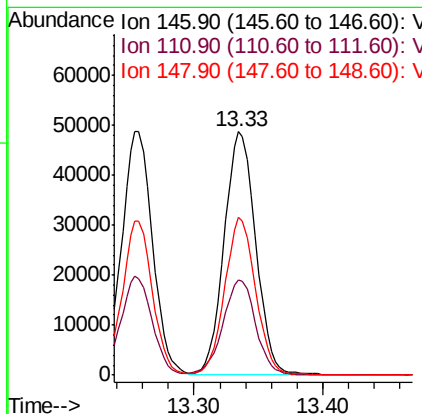
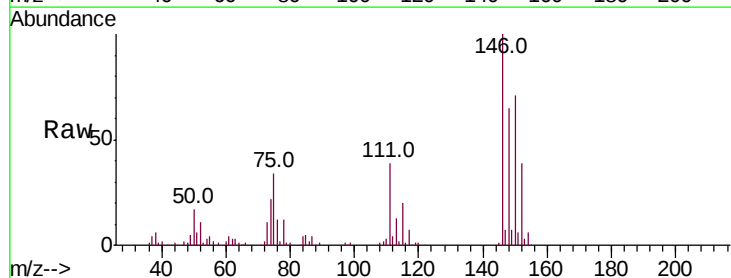
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

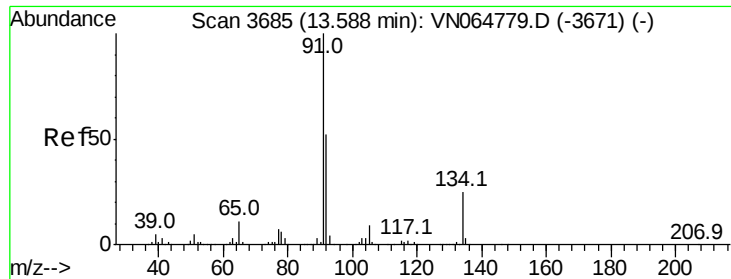
Tot Ion:146 Resp: 81677
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.6 61.9
 148 61.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 18.009 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion:146 Resp: 82964
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.8 59.3
 148 62.2 31.9 95.5

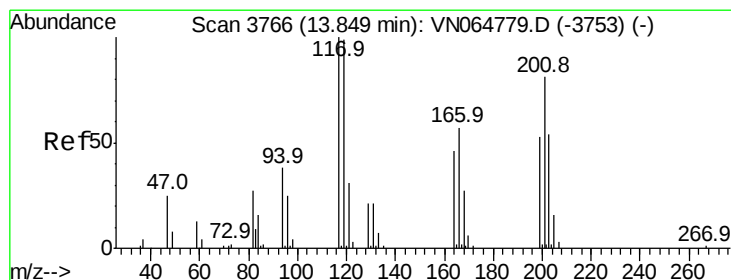
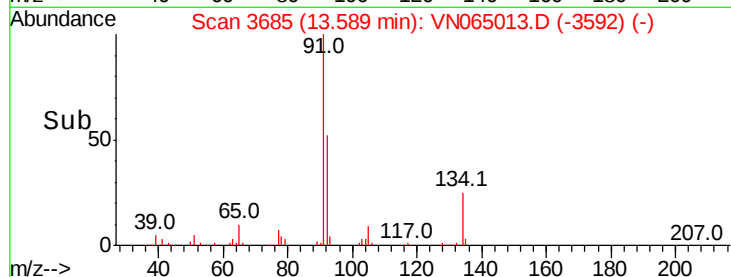
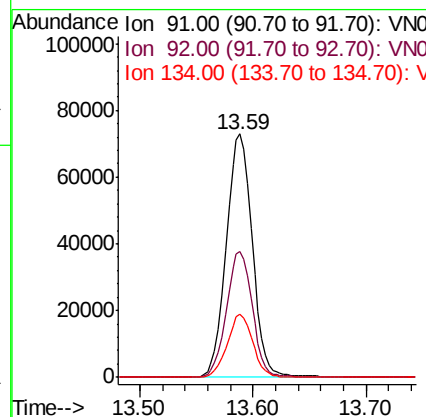
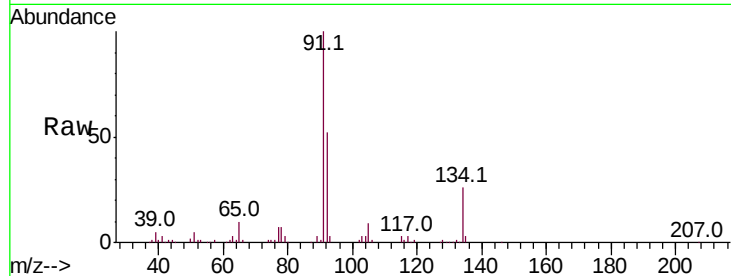




#89
n-Butylbenzene
Concen: 17.415 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

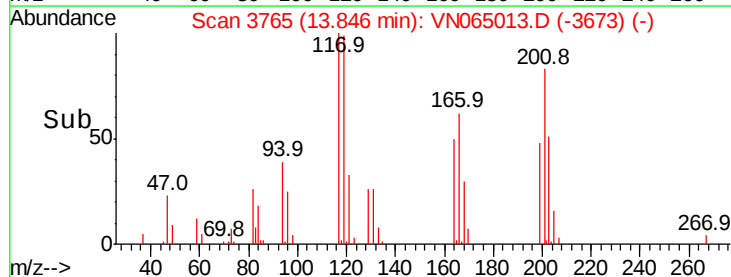
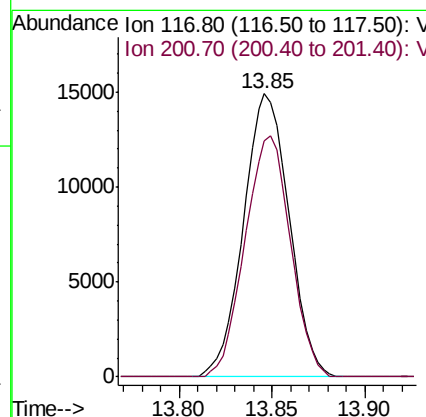
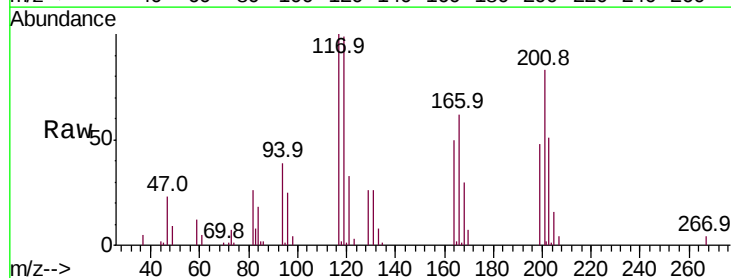
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

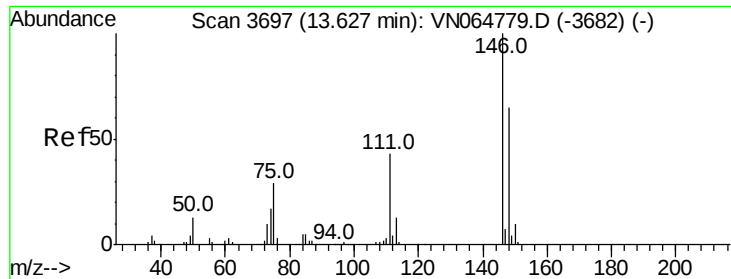
Tot Ion: 91 Resp: 117141
Ion Ratio Lower Upper
91 100
92 51.3 26.0 78.0
134 25.3 12.9 38.6



#90
Hexachloroethane
Concen: 19.159 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN065013.D
Acq: 9 Dec 2020 12:13

Tgt Ion: 117 Resp: 25493
Ion Ratio Lower Upper
117 100
201 84.5 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 19.081 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

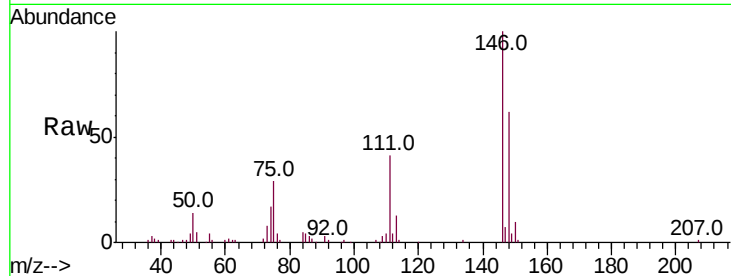
Tot Ion:146 Resp: 81615

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.1

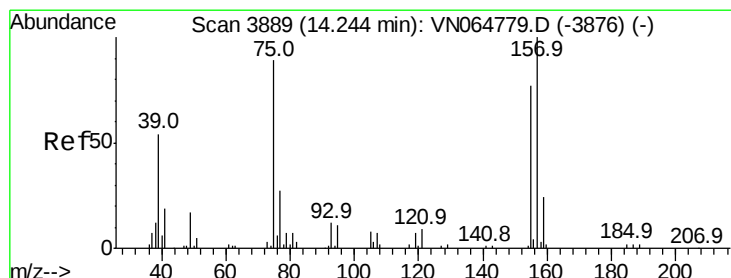
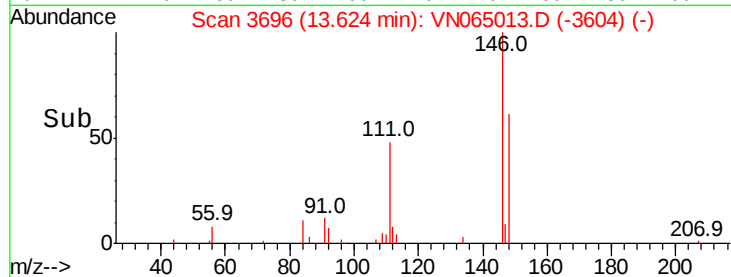
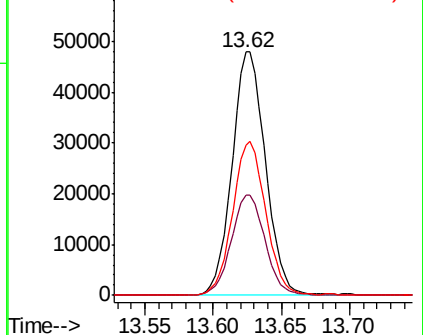
148 62.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.316 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

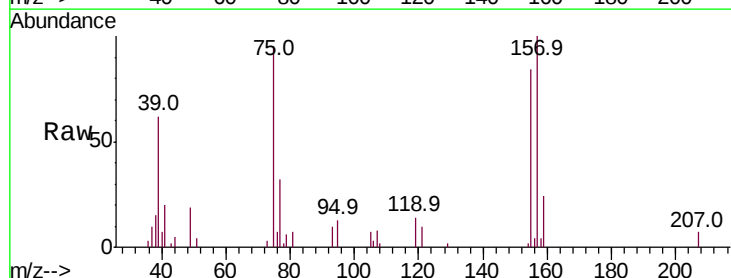
Tgt Ion: 75 Resp: 10386

Ion Ratio Lower Upper

75 100

155 91.8 42.8 128.3

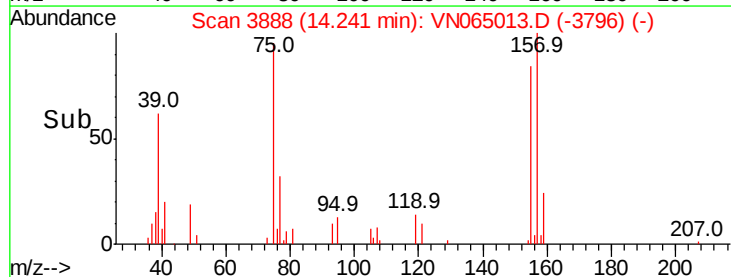
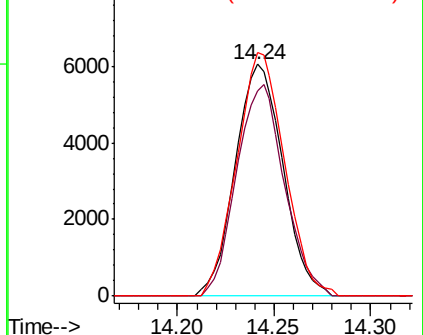
157 105.7 56.4 169.1

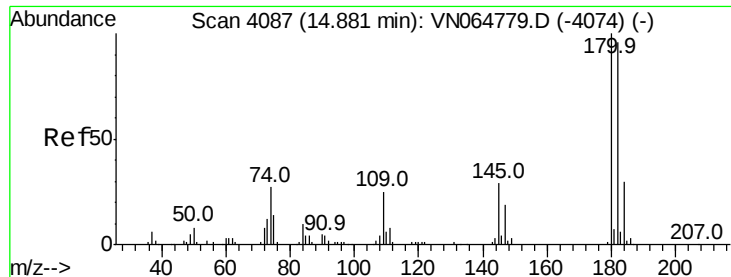


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

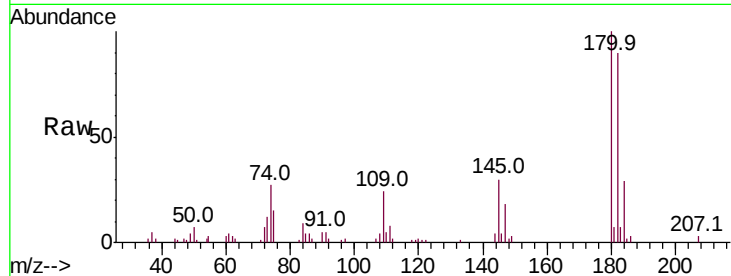




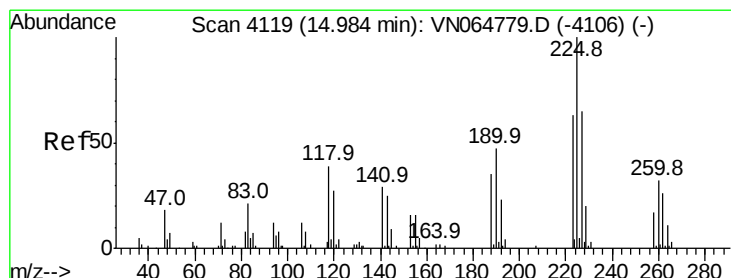
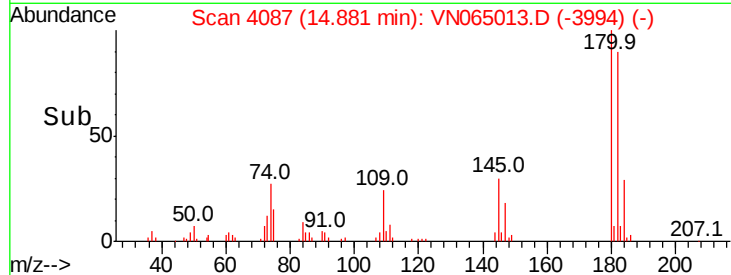
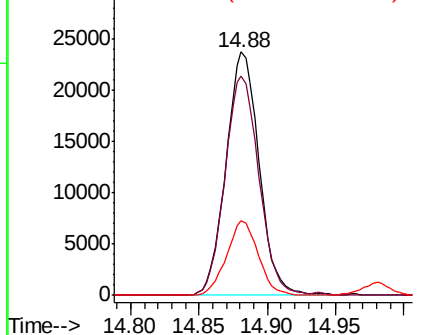
#93
 1,2,4-Trichlorobenzene
 Concen: 15.170 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Tot Ion:180 Resp: 40140
 Ion Ratio Lower Upper
 180 100
 182 92.2 47.6 142.9
 145 29.3 15.3 45.8

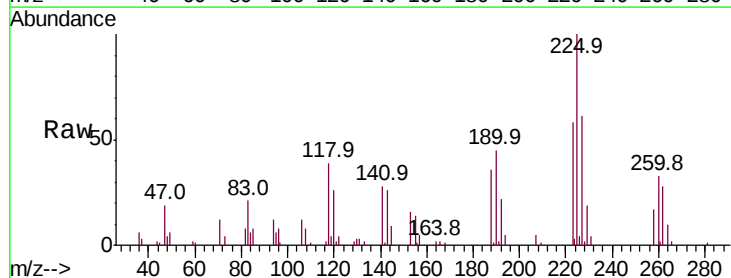


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

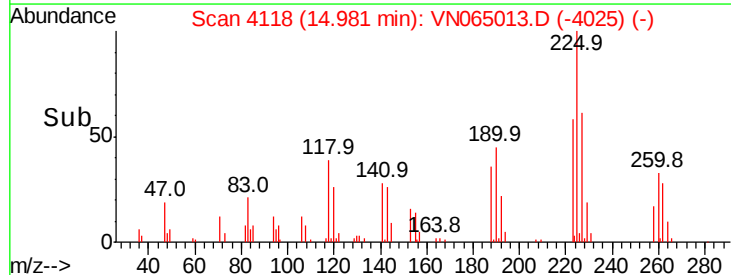
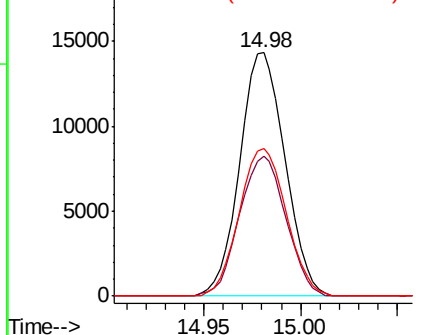


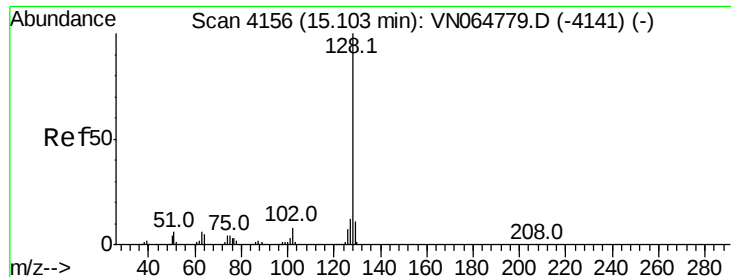
#94
 Hexachlorobutadiene
 Concen: 19.837 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN065013.D
 Acq: 9 Dec 2020 12:13

Tgt Ion:225 Resp: 23366
 Ion Ratio Lower Upper
 225 100
 223 58.8 31.0 93.0
 227 62.9 32.0 96.0



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





#95

Naphthalene

Concen: 13.581 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

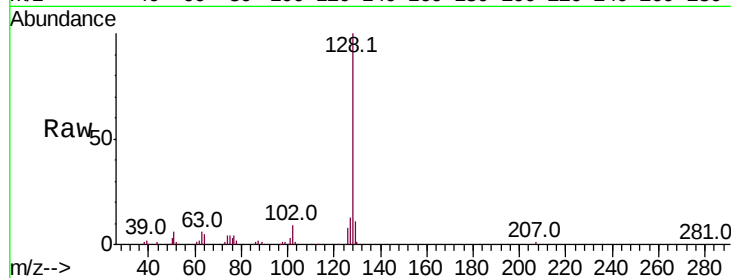
Tot Ion:128 Resp: 107654

Ion Ratio Lower Upper

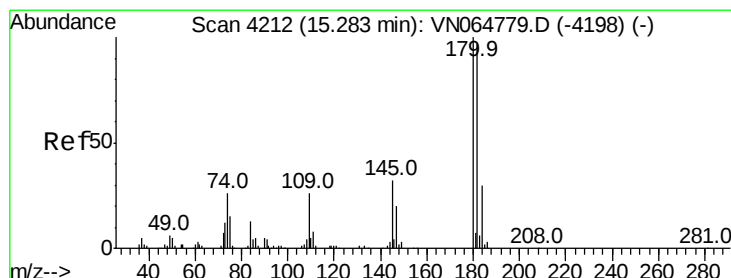
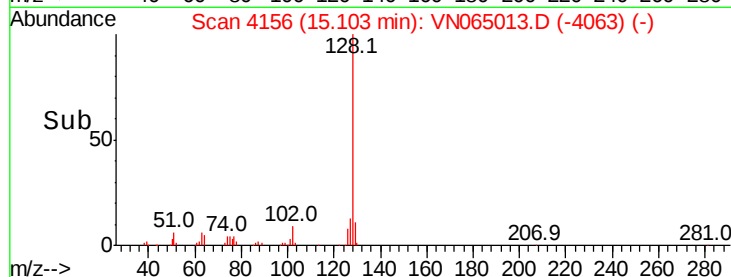
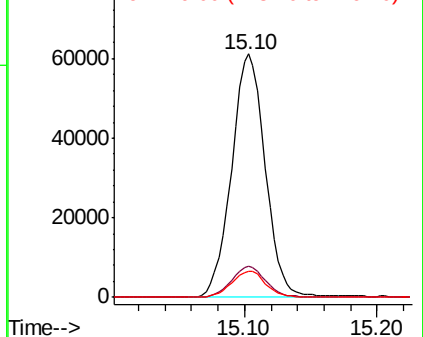
128 100

127 12.8 10.3 15.5

129 10.7 8.7 13.1



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: 15.811 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN065013.D

Acq: 9 Dec 2020 12:13

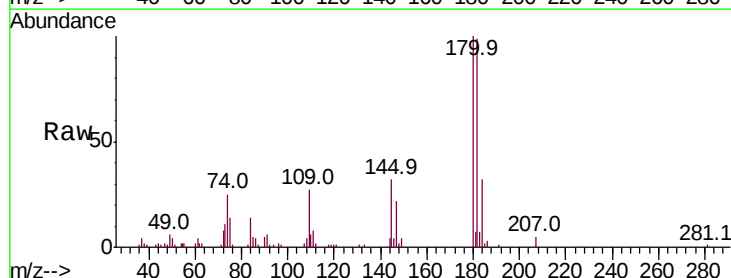
Tgt Ion:180 Resp: 37295

Ion Ratio Lower Upper

180 100

182 96.8 48.1 144.4

145 31.2 16.4 49.1



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

