

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064961.D
 Acq On : 8 Dec 2020 11:44
 Operator : JC/MD
 Sample : VN1208WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:55:44 AM

Quant Time: Dec 08 16:28:58 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	213537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	320643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	292090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	139047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	117200	47.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.42%
35) Dibromofluoromethane	7.55	113	104747	54.59	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	109.18%
50) Toluene-d8	10.05	98	394610	50.34	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.68%
62) 4-Bromofluorobenzene	12.37	95	139743	49.81	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.62%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27313	14.758	ug/l	95
3) Chloromethane	2.04	50	35766	14.872	ug/l	98
4) Vinyl Chloride	2.17	62	38919	15.522	ug/l	98
5) Bromomethane	2.53	94	27945	16.988	ug/l	99
6) Chloroethane	2.68	64	25343	16.342	ug/l	99
7) Trichlorofluoromethane	2.99	101	59496	17.166	ug/l	100
8) Diethyl Ether	3.37	74	24079	17.600	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37729	18.146	ug/l	99
10) Methyl Iodide	3.91	142	39684	14.715	ug/l	97
11) Tert butyl alcohol	4.74	59	29247	75.544	ug/l #	89
12) 1,1-Dichloroethene	3.69	96	35311	17.053	ug/l	99
13) Acrolein	3.56	56	19454	82.265	ug/l	97
14) Allyl chloride	4.28	41	56809	16.634	ug/l	97
15) Acrylonitrile	4.93	53	86187	80.585	ug/l	100
16) Acetone	3.78	43	73208	89.708	ug/l	93
17) Carbon Disulfide	4.00	76	82738	15.479	ug/l	100
18) Methyl Acetate	4.28	43	41181	16.784	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	117584	17.706	ug/l	98
20) Methylene Chloride	4.50	84	43219	16.901	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	37107	16.137	ug/l	97
22) Diisopropyl ether	5.90	45	125047	18.293	ug/l	95
23) Vinyl Acetate	5.84	43	470384	86.049	ug/l	99
24) 1,1-Dichloroethane	5.79	63	71779	17.570	ug/l	99
25) 2-Butanone	6.78	43	114973	86.910	ug/l	98
26) 2,2-Dichloropropane	6.77	77	63693	17.976	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	44720	17.283	ug/l	99
28) Bromochloromethane	7.14	49	32383	17.327	ug/l	96
29) Tetrahydrofuran	7.17	42	70199	76.873	ug/l	99
30) Chloroform	7.32	83	74108	17.590	ug/l	99
31) Cyclohexane	7.61	56	56173	16.235	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	65245	18.031	ug/l	97
36) 1,1-Dichloropropene	7.75	75	52581	17.692	ug/l	98
37) Ethyl Acetate	6.88	43	44119	15.411	ug/l	96
38) Carbon Tetrachloride	7.73	117	56542	18.284	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51870	16.212	ug/l	99
40) Benzene	8.00	78	163005	17.898	ug/l	98
41) Methacrylonitrile	7.12	41	17748	13.435	ug/l	87
42) 1,2-Dichloroethane	8.08	62	55533	18.075	ug/l	98
43) Isopropyl Acetate	8.12	43	78709	17.086	ug/l	97
44) Trichloroethene	8.80	130	47415	17.645	ug/l	97
45) 1,2-Dichloropropane	9.08	63	44465	18.853	ug/l	98
46) Dibromomethane	9.17	93	28164	17.875	ug/l	98
47) Bromodichloromethane	9.37	83	58600	18.484	ug/l	99
48) Methyl methacrylate	9.16	41	37015	16.815	ug/l	100
49) 1,4-Dioxane	9.16	88	12488	300.162	ug/l	90
51) 4-Methyl-2-Pentanone	9.95	43	234093	84.644	ug/l	99
52) Toluene	10.12	92	103683	18.486	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	62609	17.730	ug/l	96
54) cis-1,3-Dichloropropene	9.80	75	68667	18.142	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	41991	18.207	ug/l	96
56) Ethyl methacrylate	10.40	69	55619	17.476	ug/l	97
57) 1,3-Dichloropropane	10.68	76	68881	18.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	155099	88.593	ug/l	99
59) 2-Hexanone	10.72	43	166808	83.807	ug/l	99
60) Dibromochloromethane	10.87	129	46750	18.235	ug/l	99
61) 1,2-Dibromoethane	10.97	107	41384	17.661	ug/l	100
64) Tetrachloroethene	10.60	164	47853	16.839	ug/l	99
65) Chlorobenzene	11.40	112	114775	18.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	43583	18.907	ug/l	99
67) Ethyl Benzene	11.48	91	190055	18.137	ug/l	98
68) m/p-Xylenes	11.59	106	148141	37.340	ug/l	100
69) o-Xylene	11.92	106	70000	18.593	ug/l	99
70) Styrene	11.94	104	118175	18.594	ug/l	98
71) Bromoform	12.10	173	31725	17.231	ug/l #	100
73) Isopropylbenzene	12.22	105	189031	19.545	ug/l	98
74) N-amyl acetate	12.04	43	64114	16.845	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	52757	18.610	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	52370m	17.489	ug/l	
77) Bromobenzene	12.50	156	47668	18.281	ug/l	98
78) n-propylbenzene	12.56	91	206710	18.761	ug/l	98
79) 2-Chlorotoluene	12.65	91	128911	18.928	ug/l	98
80) 1,3,5-Trimethylbenzene	12.70	105	156665	19.488	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	18133	16.597	ug/l	93
82) 4-Chlorotoluene	12.74	91	133352	18.680	ug/l	100
83) tert-Butylbenzene	12.96	119	126923	18.836	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	156942	19.309	ug/l	100
85) sec-Butylbenzene	13.14	105	166272	18.585	ug/l	100
86) p-Isopropyltoluene	13.26	119	154575	18.977	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	87266	18.837	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	87324	17.824	ug/l	99
89) n-Butylbenzene	13.59	91	121505	16.986	ug/l	99
90) Hexachloroethane	13.85	117	27279	19.278	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	86729	19.067	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10252	16.073	ug/l	96

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ClientSampleId :
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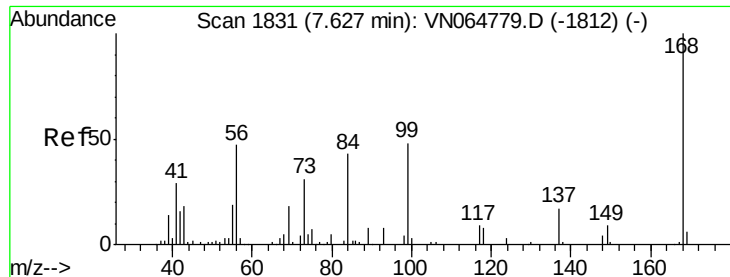
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	42499	15.103	ug/l	99
94) Hexachlorobutadiene	14.98	225	23160	18.514	ug/l	97
95) Naphthalene	15.10	128	117784	13.972	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	39934	15.910	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion:168 Resp: 213537

Ion Ratio Lower Upper

168 100

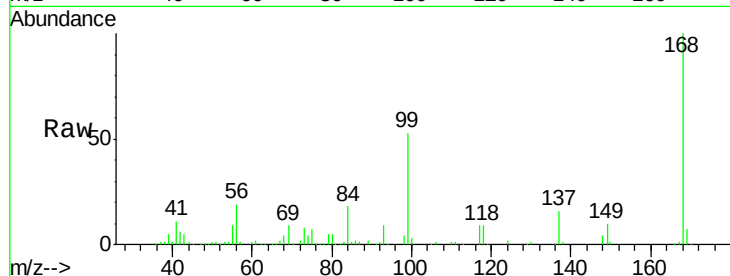
99 53.4 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

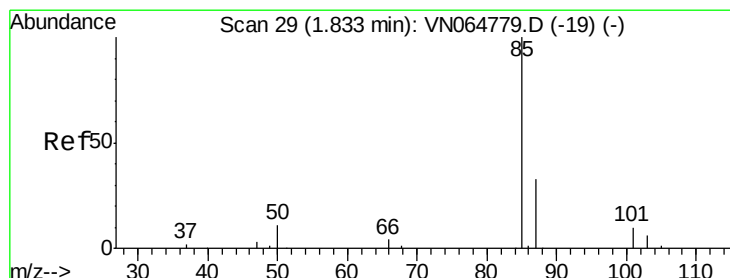
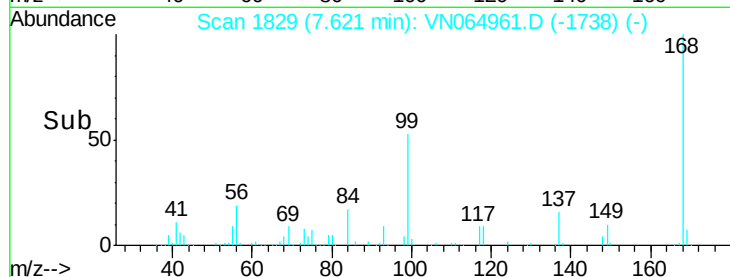
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 14.758 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064961.D

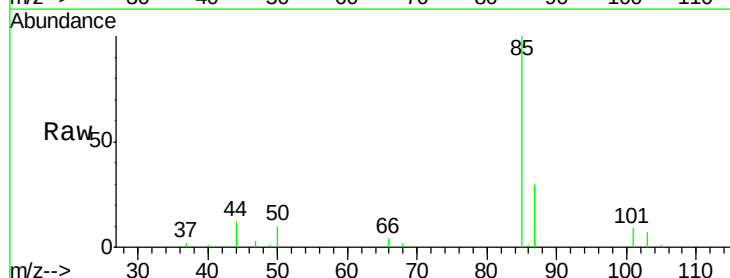
Acq: 8 Dec 2020 11:44

Tgt Ion: 85 Resp: 27313

Ion Ratio Lower Upper

85 100

87 29.9 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

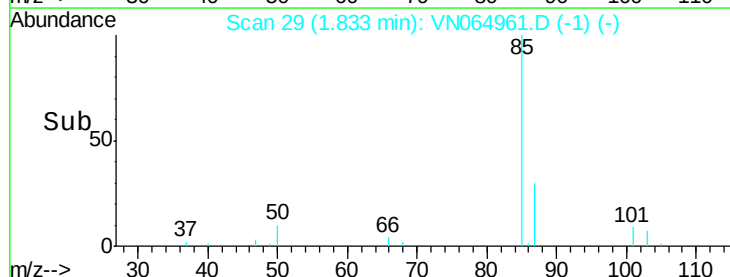
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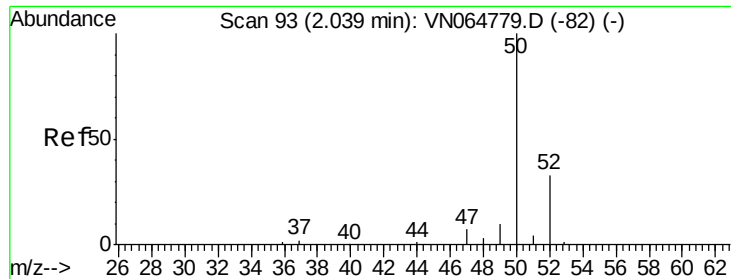
10000

5000

0

Time-->





#3

Chloromethane

Concen: 14.872 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion: 50 Resp: 35766

Ion Ratio Lower Upper

50 100

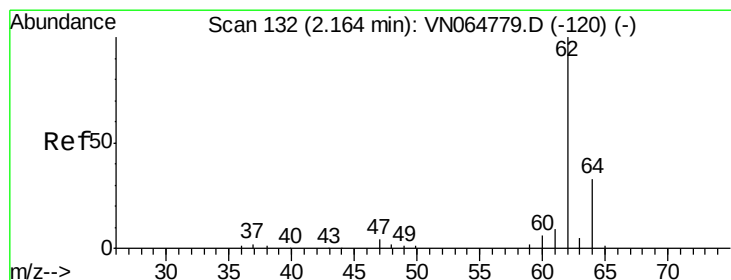
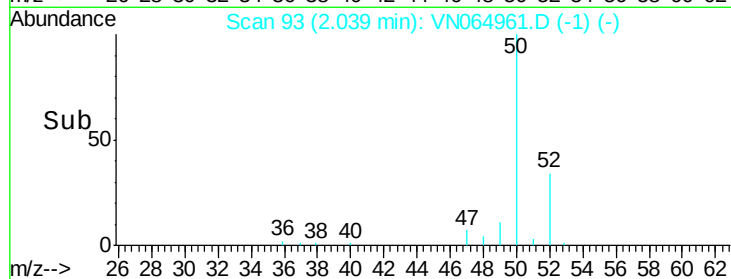
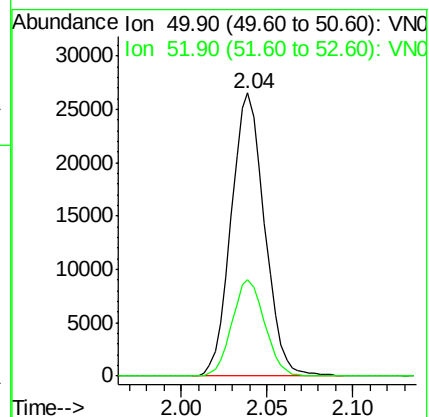
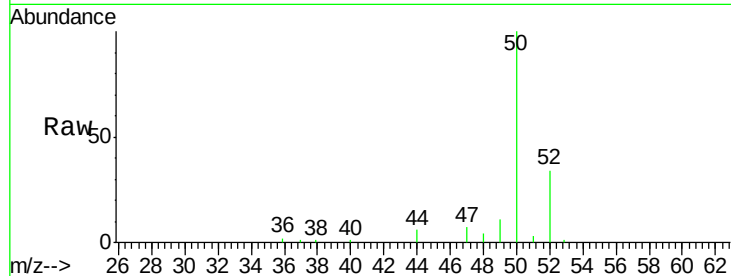
52 34.1 26.6 39.8

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#4

Vinyl Chloride

Concen: 15.522 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064961.D

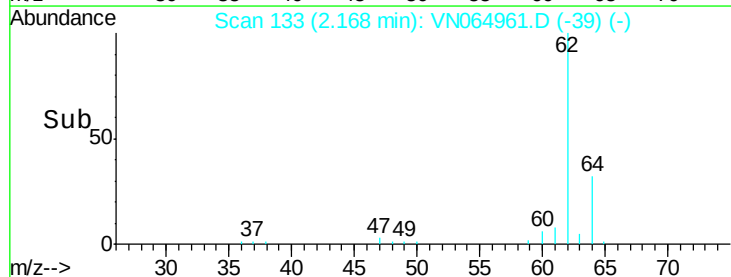
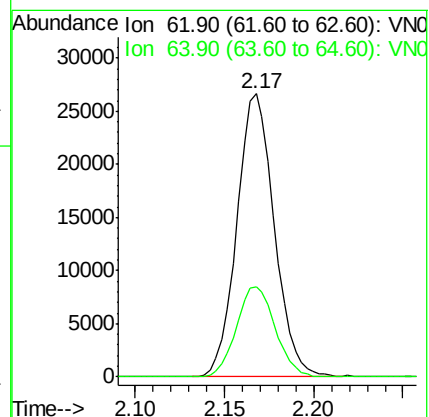
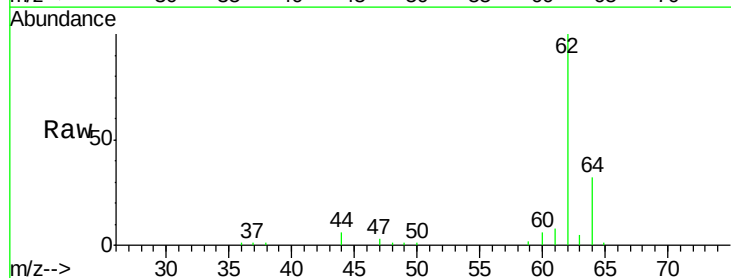
Acq: 8 Dec 2020 11:44

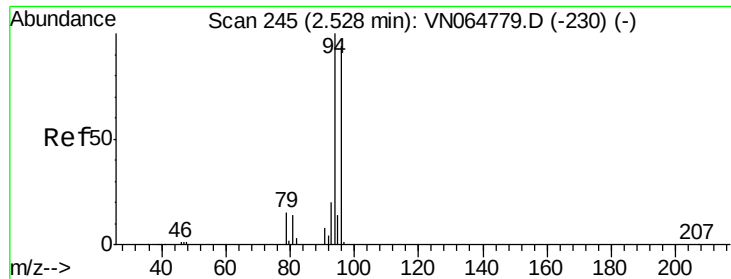
Tgt Ion: 62 Resp: 38919

Ion Ratio Lower Upper

62 100

64 32.0 26.5 39.7





#5

Bromomethane

Concen: 16.988 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

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ClientSampleId :

VN1208WBS01

Tot Ion: 94 Resp: 27945

Ion Ratio Lower Upper

94 100

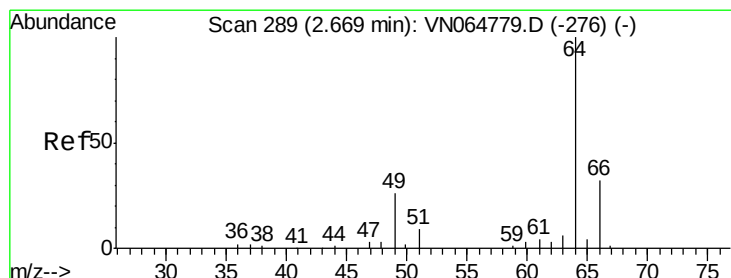
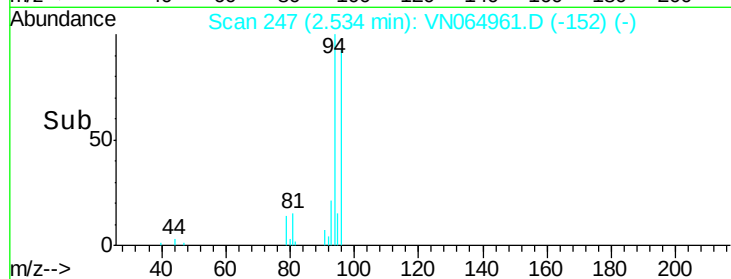
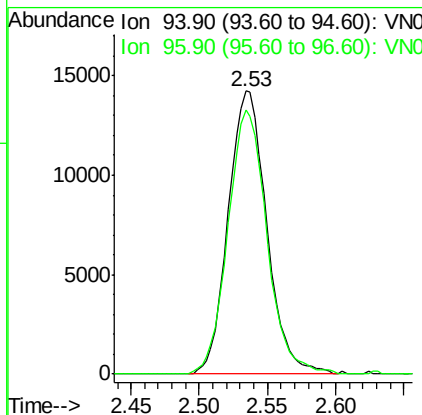
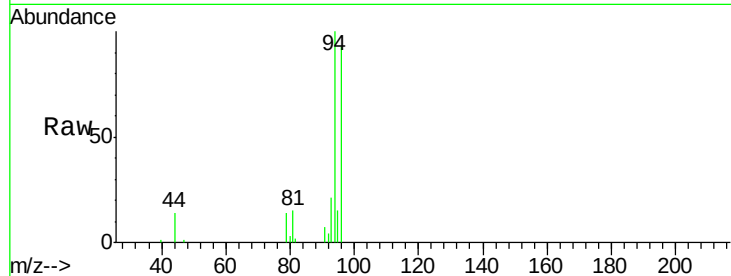
96 93.4 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 16.342 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064961.D

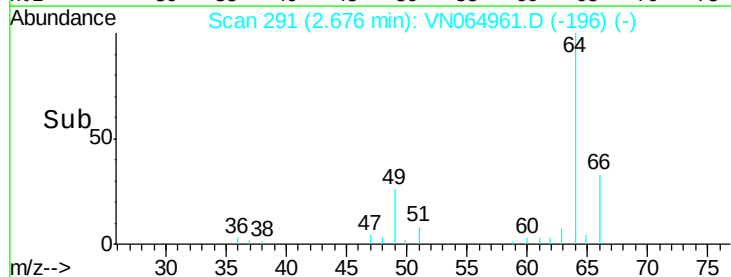
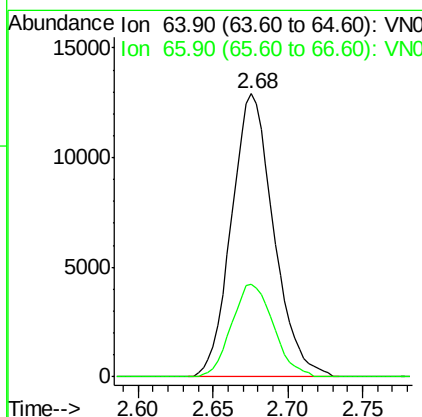
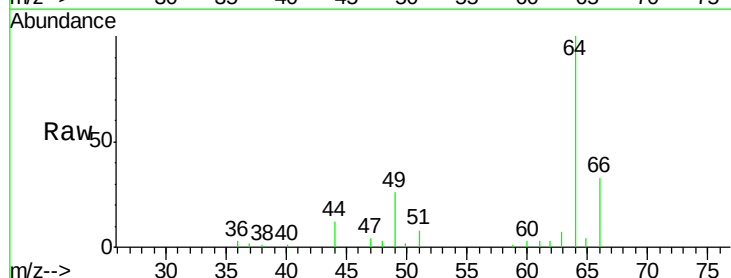
Acq: 8 Dec 2020 11:44

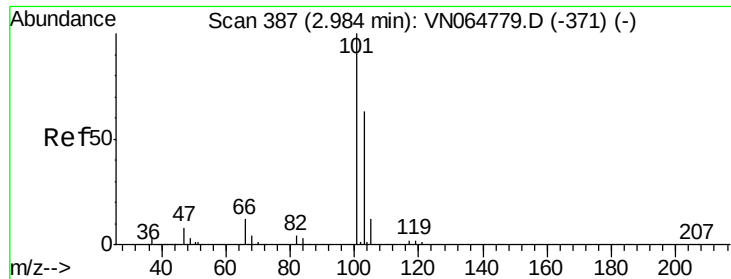
Tgt Ion: 64 Resp: 25343

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4





#7

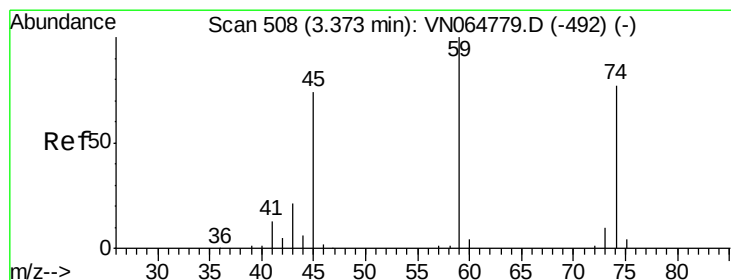
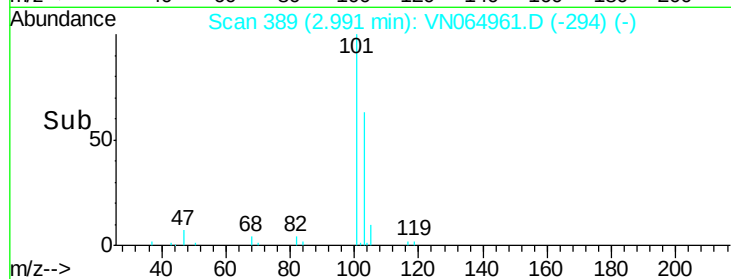
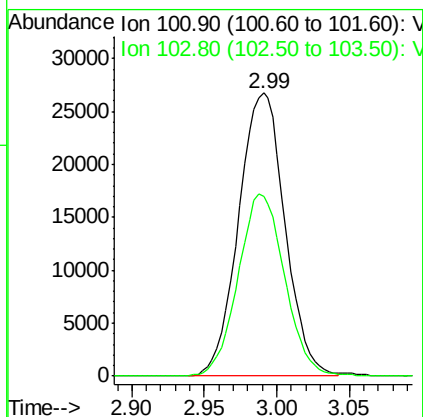
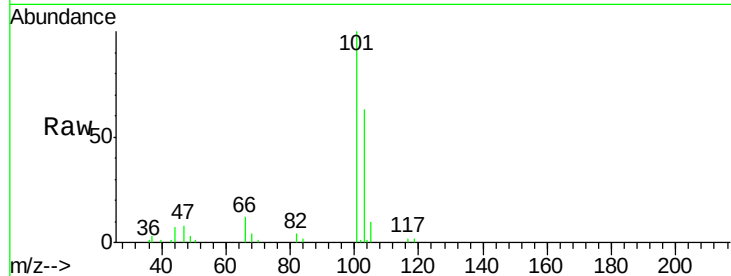
Trichlorofluoromethane
Concen: 17.166 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
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ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.5	75.7

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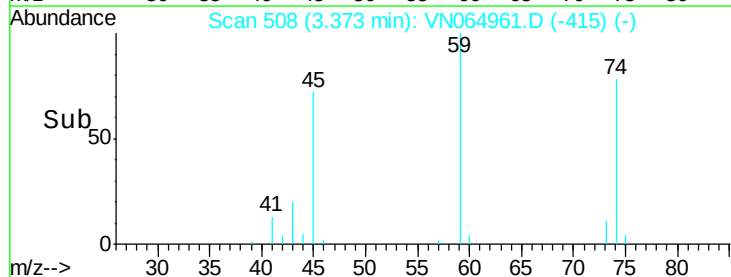
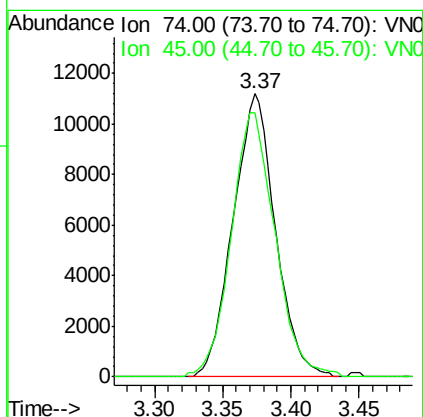
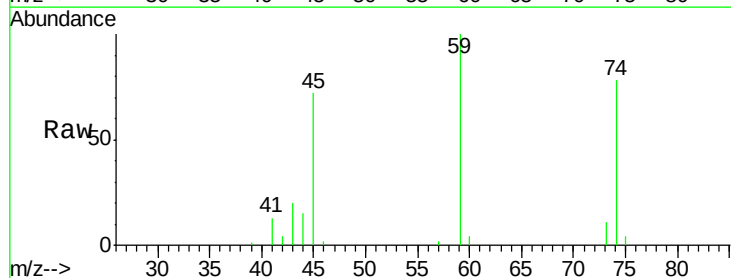
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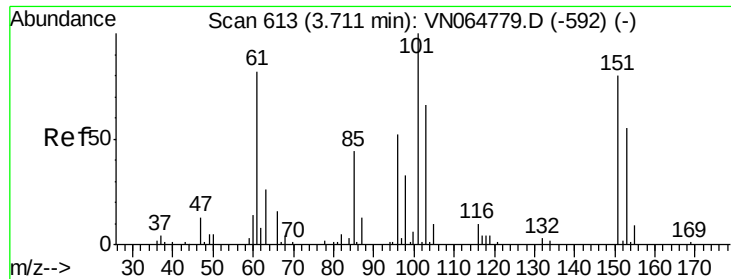


#8

Diethyl Ether
Concen: 17.600 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.146 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

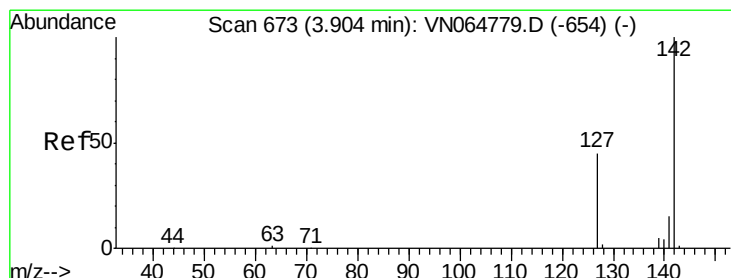
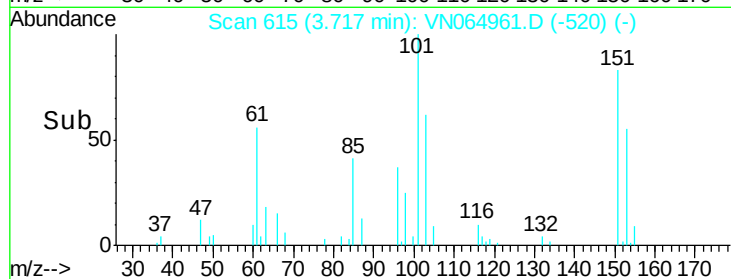
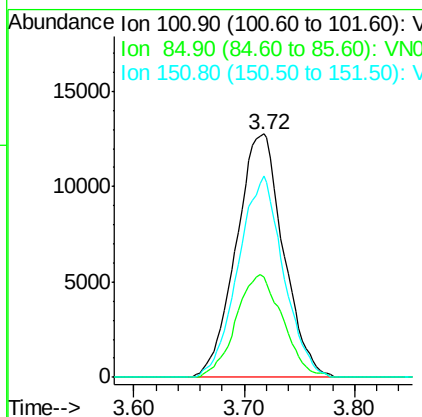
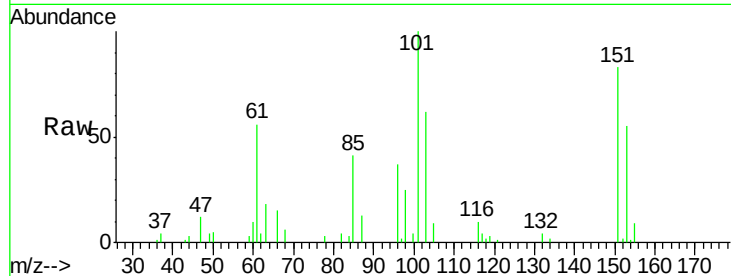
ClientSampleId :

VN1208WBS01

Tot Ion:	101	Resp:	37729
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.4	51.6
151	79.5	64.0	96.0

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#10

Methyl Iodide

Concen: 14.715 ug/l

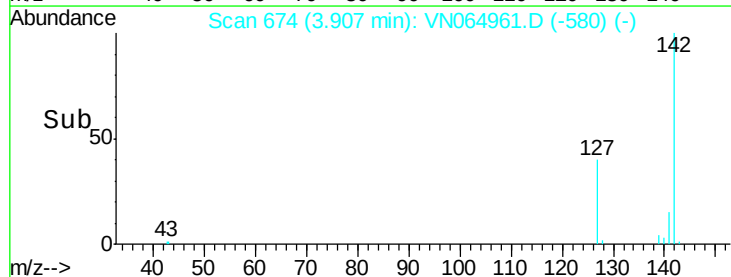
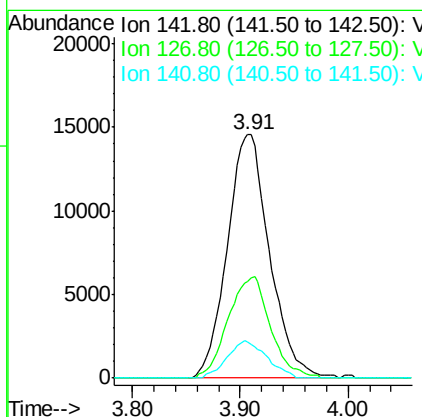
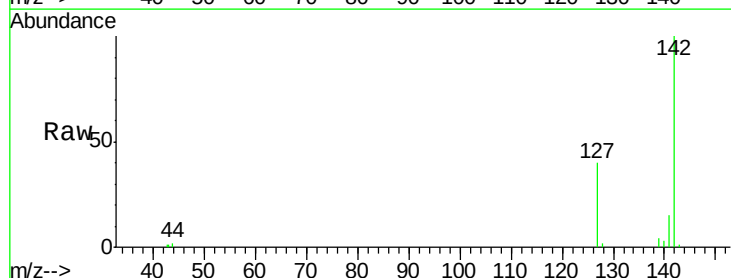
RT: 3.91 min Scan# 674

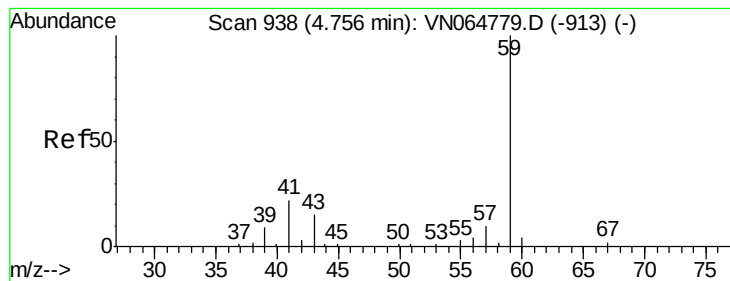
Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	142	Resp:	39684
Ion Ratio	Lower	Upper	
142	100		
127	41.6	35.0	52.6
141	14.3	11.8	17.6





#11

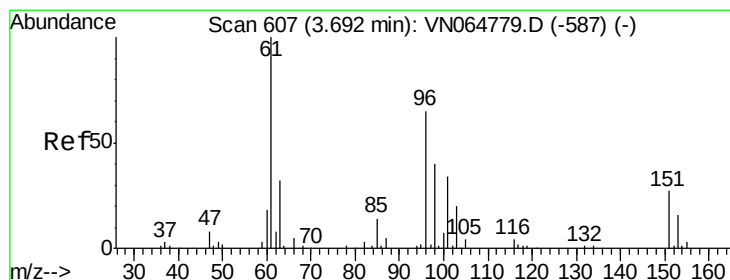
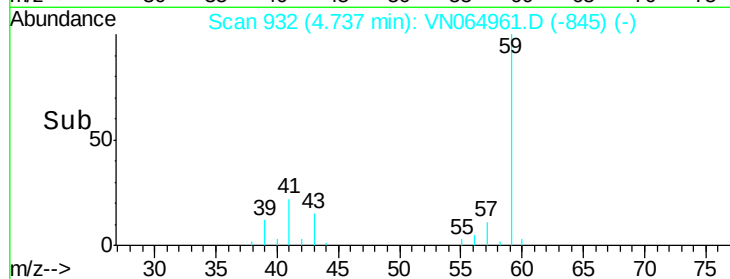
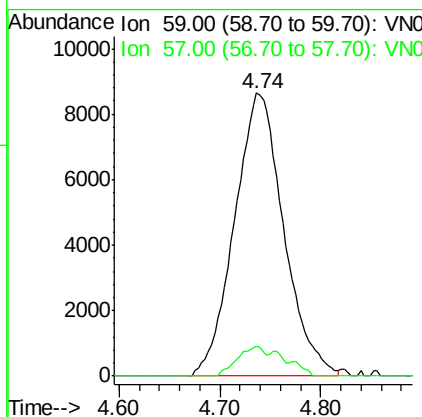
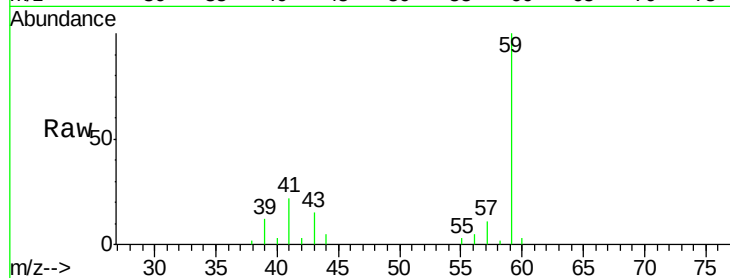
Tert butyl alcohol
 Concen: 75.544 ug/l
 RT: 4.74 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	7.9	11.9#

Manual Integrations
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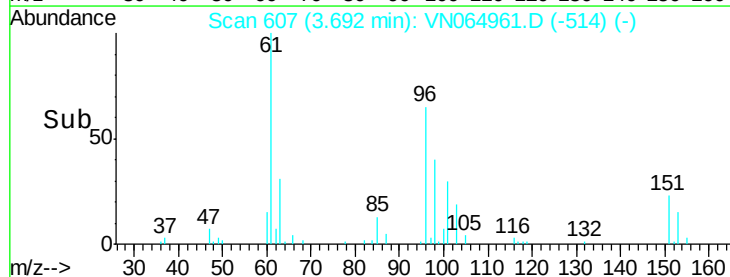
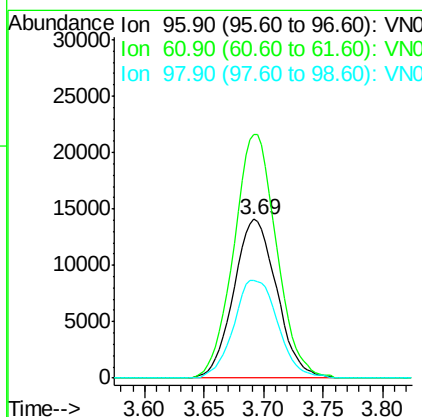
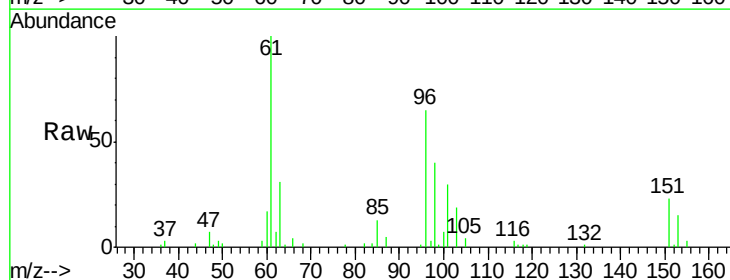
MMDadoda
 12/10/2020 9:55:44 AM

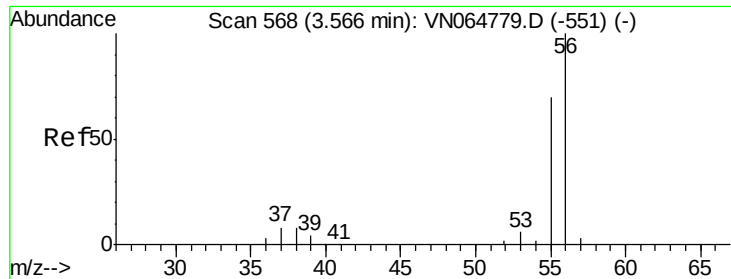


#12

1,1-Dichloroethene
 Concen: 17.053 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	123.4	185.2
98	61.5	49.8	74.8





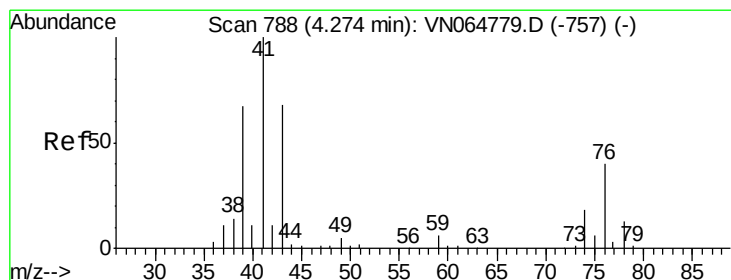
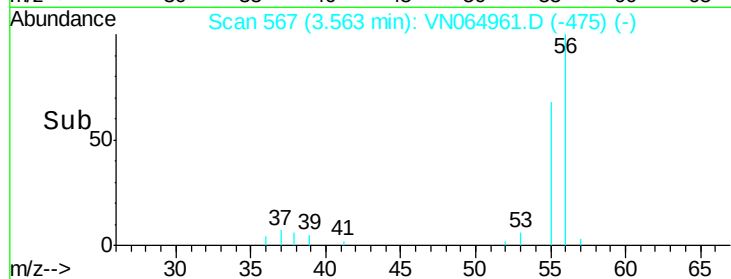
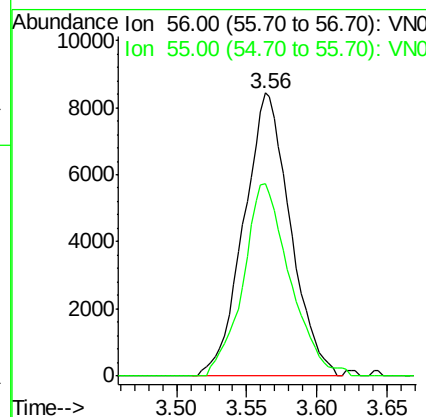
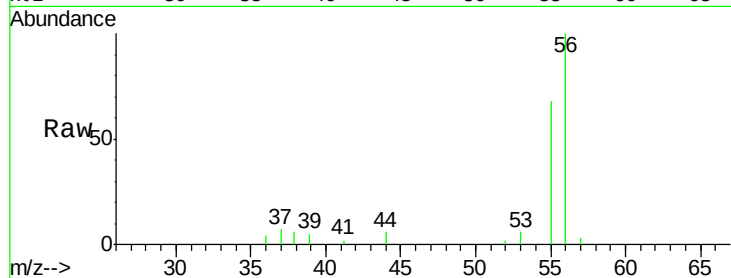
#13
Acrolein
Concen: 82.265 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion: 56 Resp: 19454
Ion Ratio Lower Upper
56 100
55 68.1 56.5 84.7

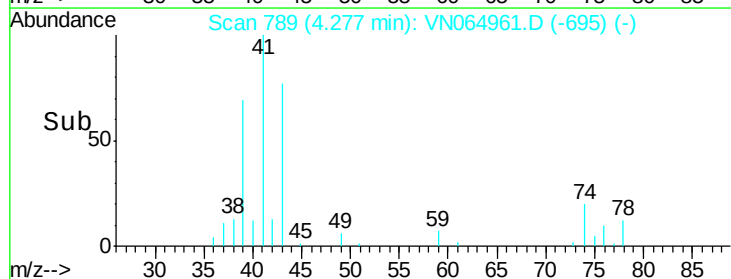
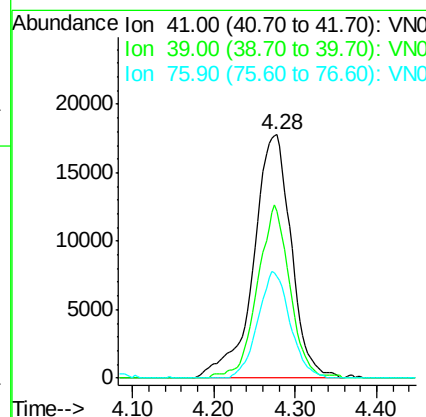
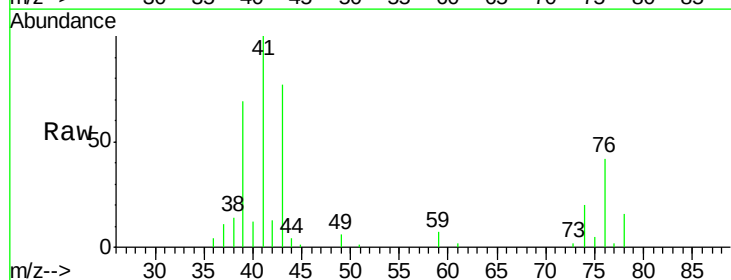
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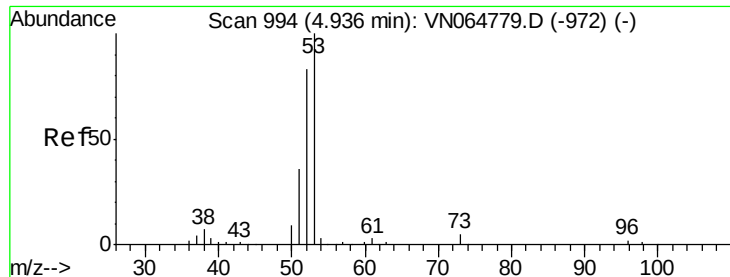
MMDadoda
12/10/2020 9:55:44 AM



#14
Allyl chloride
Concen: 16.634 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion: 41 Resp: 56809
Ion Ratio Lower Upper
41 100
39 60.8 50.9 76.3
76 37.4 29.0 43.4





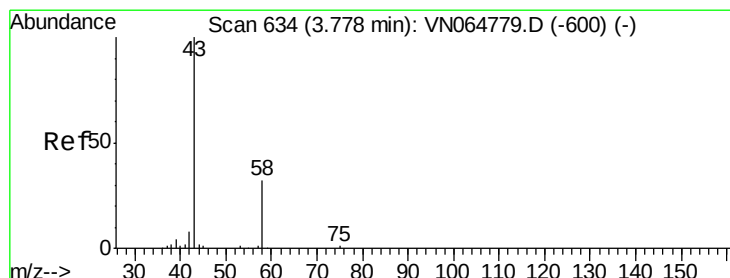
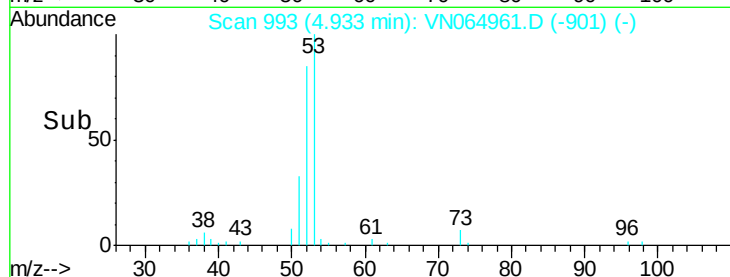
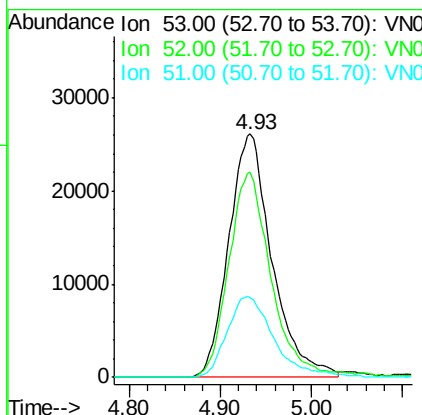
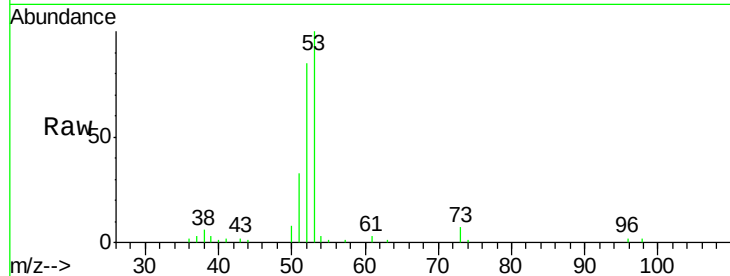
#15
Acrylonitrile
Concen: 80.585 ug/l
RT: 4.93 min Scan# 993
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion:	53	Resp:	86187
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.5	98.3
51	36.0	28.6	43.0

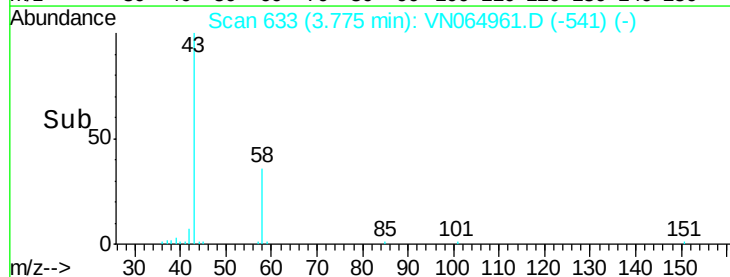
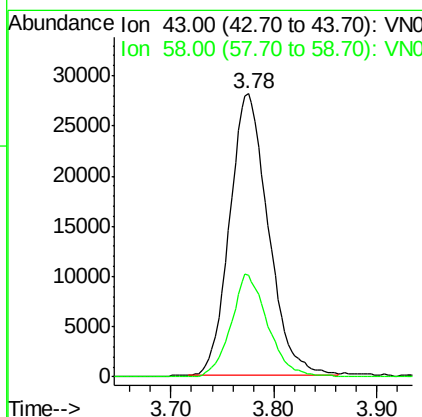
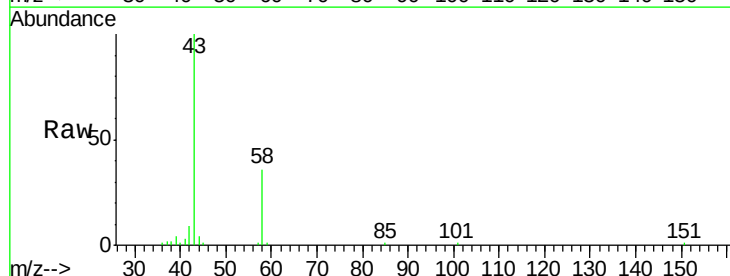
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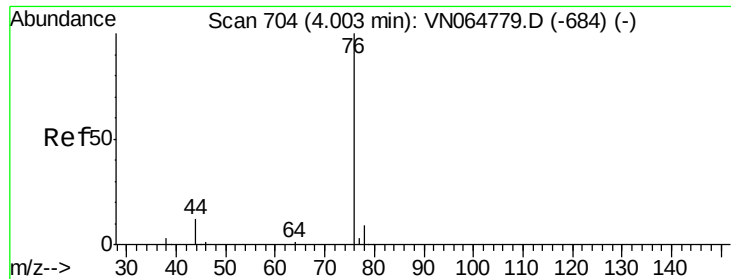
MMDadoda
12/10/2020 9:55:44 AM



#16
Acetone
Concen: 89.708 ug/l
RT: 3.78 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion:	43	Resp:	73208
Ion Ratio	Lower	Upper	
43	100		
58	36.1	25.7	38.5





#17

Carbon Disulfide

Concen: 15.479 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion: 76 Resp: 82738

Ion Ratio Lower Upper

76 100

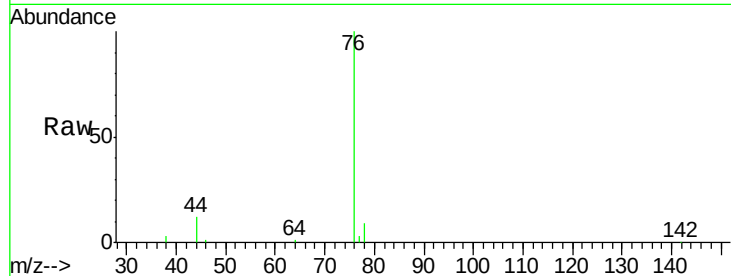
78 9.2 7.4 11.0

Manual Integrations

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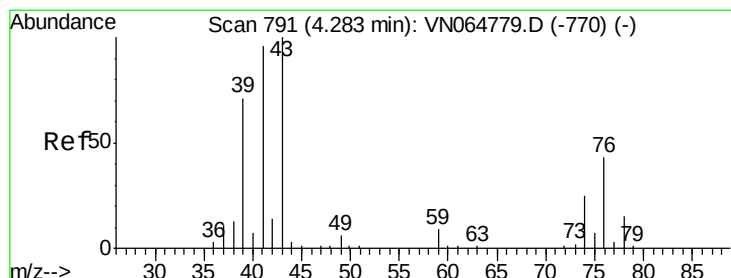
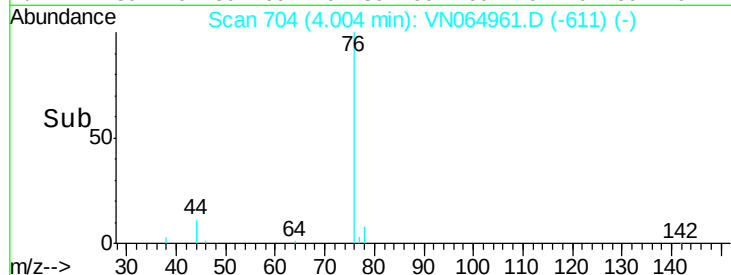
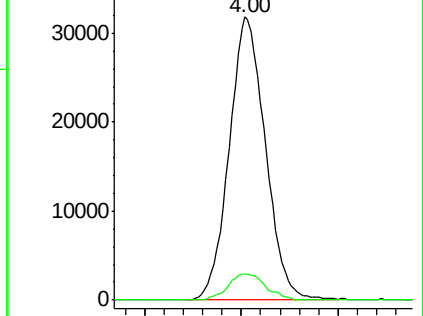
MMDadoda

12/10/2020 9:55:44 AM



Abundance Ion 75.90 (75.60 to 76.60): VN064961.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN064961.D (-611) (-)



#18

Methyl Acetate

Concen: 16.784 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN064961.D

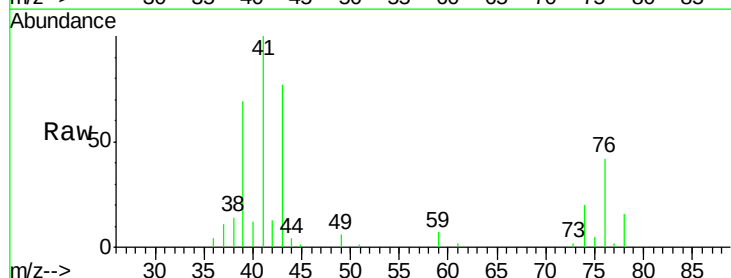
Acq: 8 Dec 2020 11:44

Tgt Ion: 43 Resp: 41181

Ion Ratio Lower Upper

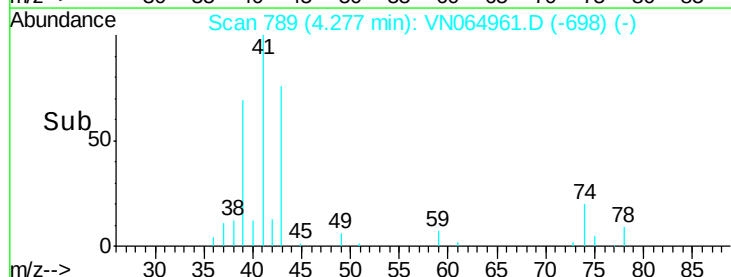
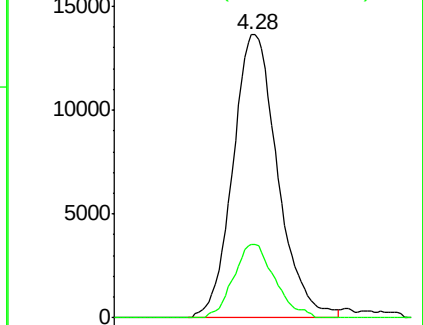
43 100

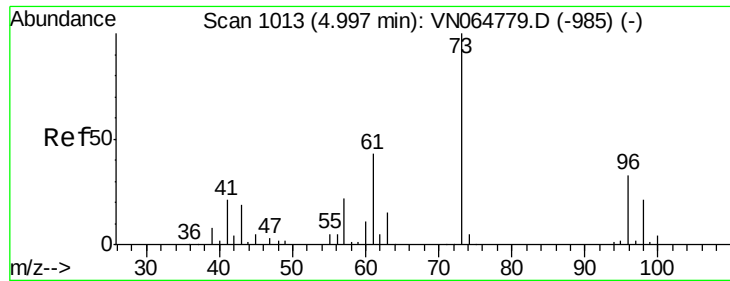
74 23.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064961.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064961.D (-698) (-)





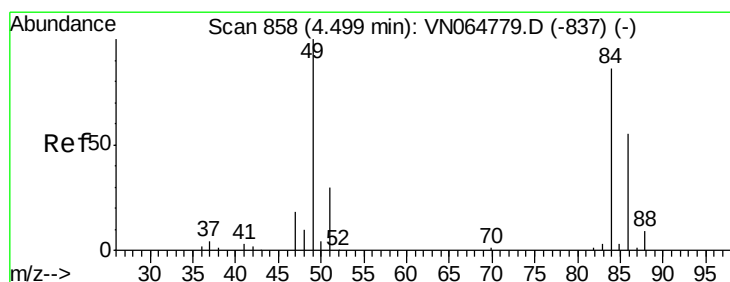
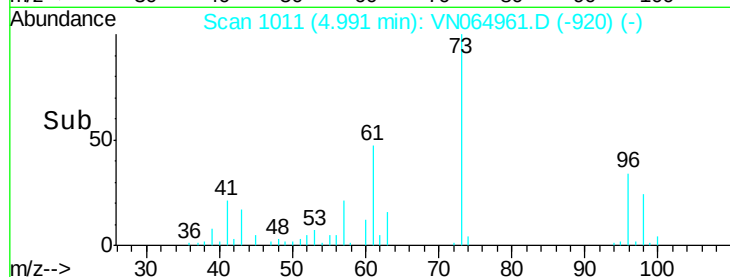
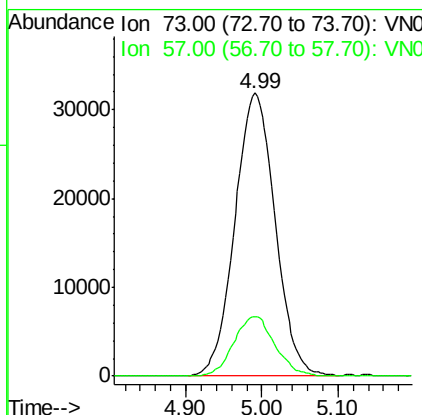
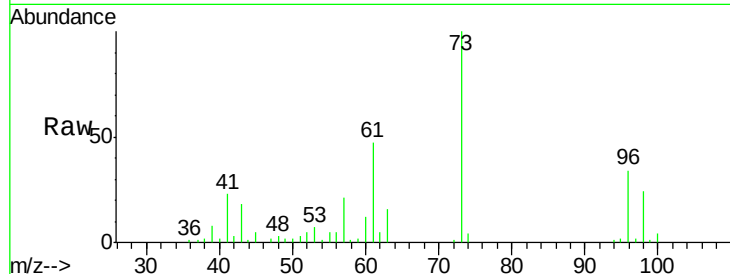
#19
Methyl tert-butyl Ether
Concen: 17.706 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion: 73 Resp: 117584
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0

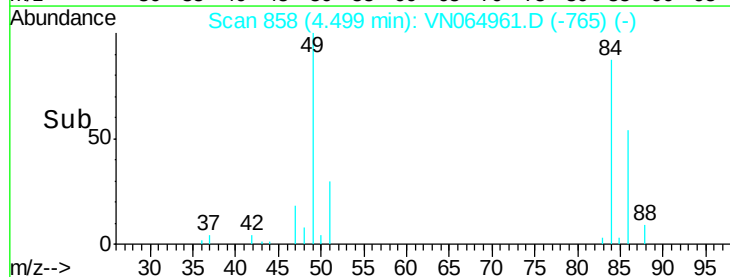
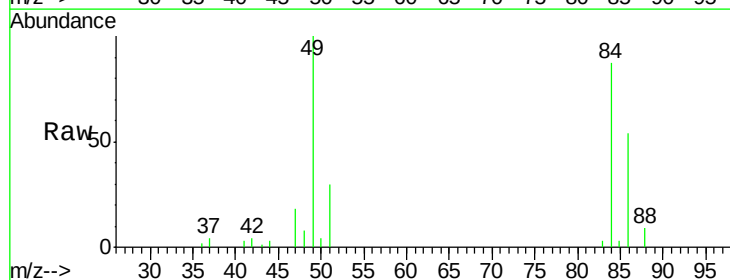
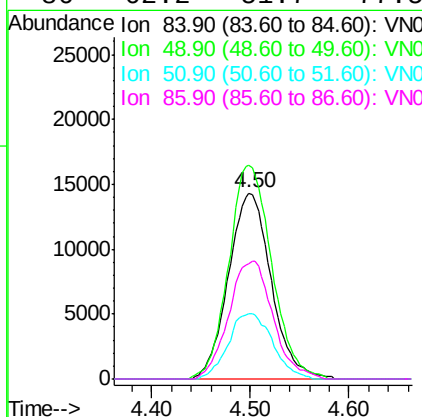
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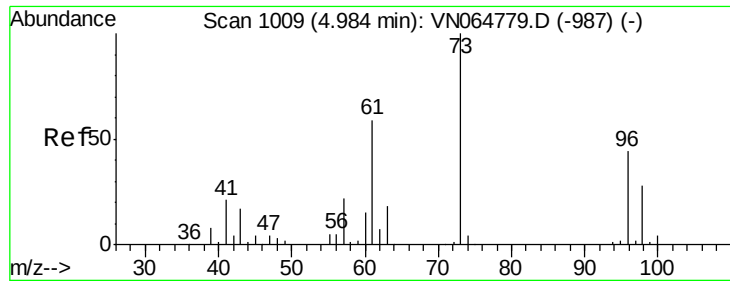
MMDadoda
12/10/2020 9:55:44 AM



#20
Methylene Chloride
Concen: 16.901 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion: 84 Resp: 43219
Ion Ratio Lower Upper
84 100
49 114.7 93.4 140.0
51 35.0 28.2 42.4
86 62.2 51.7 77.5





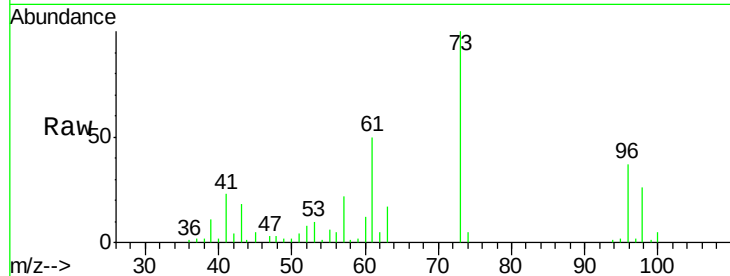
#21
trans-1,2-Dichloroethene
Concen: 16.137 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	108.4	162.6
98	70.2	51.3	76.9

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MMDadoda
12/10/2020 9:55:44 AM

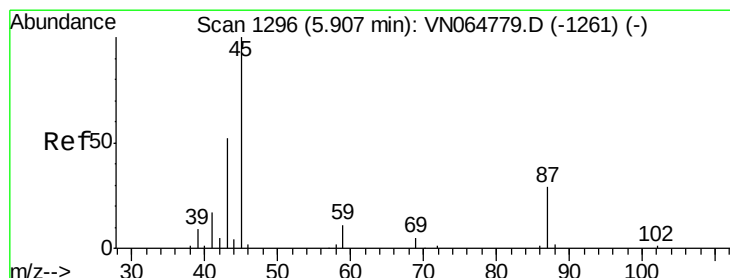
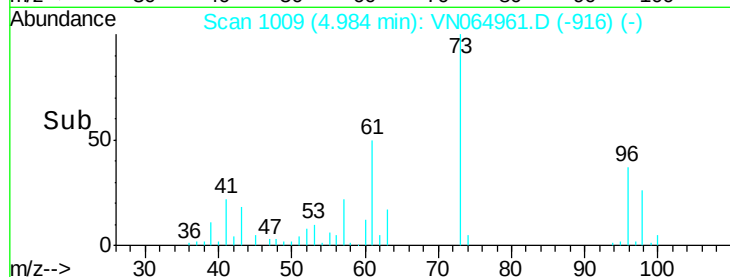
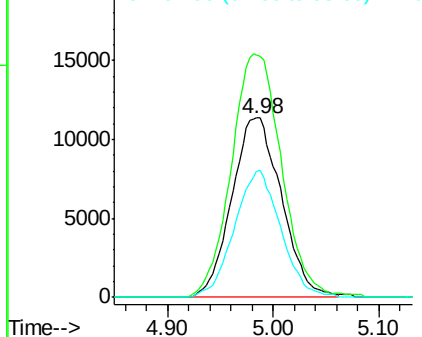


Abundance

Ion 95.90 (95.60 to 96.60): VN064961.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN064961.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN064961.D (-916) (-)



#22
Diisopropyl ether
Concen: 18.293 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.9	46.2	69.2
87	29.9	24.1	36.1
59	12.5	9.0	13.4

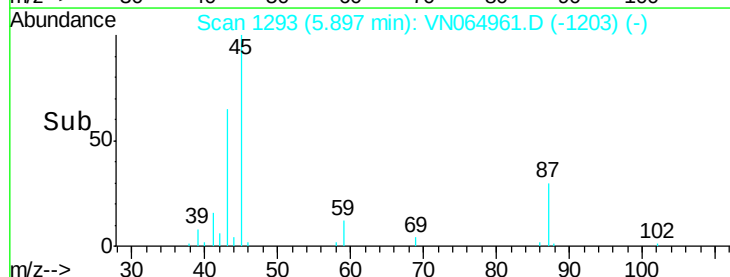
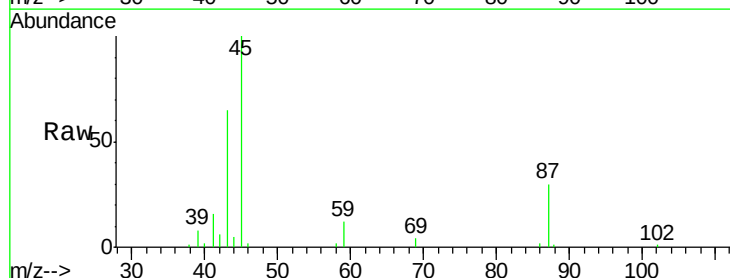
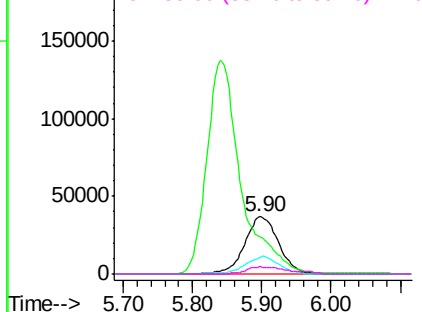
Abundance

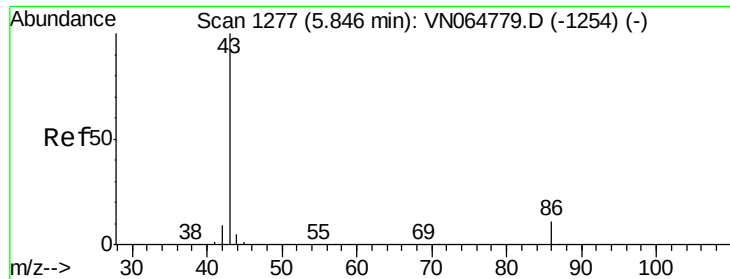
Ion 45.00 (44.70 to 45.70): VN064961.D (-1203) (-)

Ion 43.00 (42.70 to 43.70): VN064961.D (-1203) (-)

Ion 87.00 (86.70 to 87.70): VN064961.D (-1203) (-)

Ion 59.00 (58.70 to 59.70): VN064961.D (-1203) (-)





#23

Vinyl Acetate

Concen: 86.049 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion: 43 Resp: 470384

Ion Ratio Lower Upper

43 100

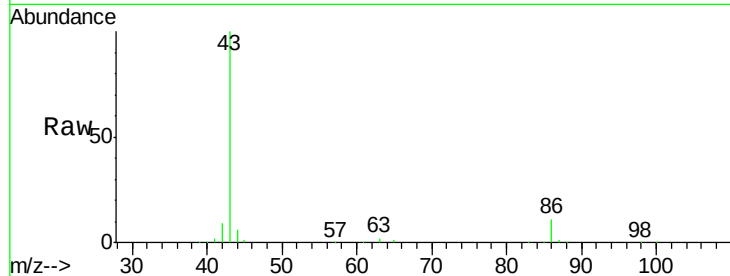
86 10.6 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064961.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064961.D (-1184) (-)

5.84

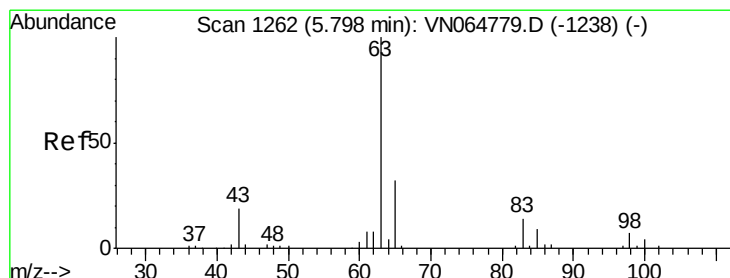
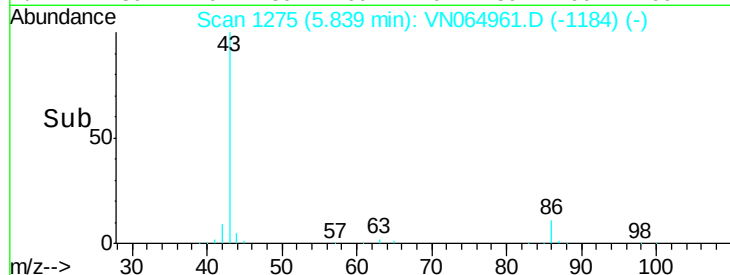
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.570 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

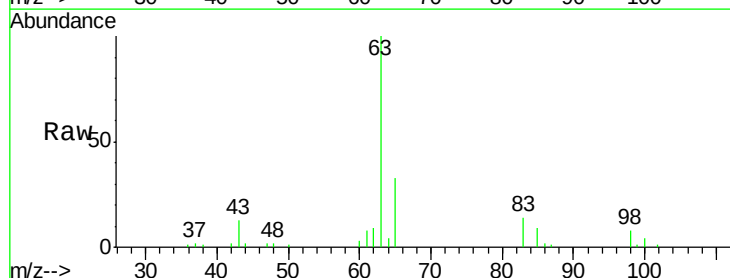
Tgt Ion: 63 Resp: 71779

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064961.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064961.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064961.D (-1169) (-)

5.79

30000

25000

20000

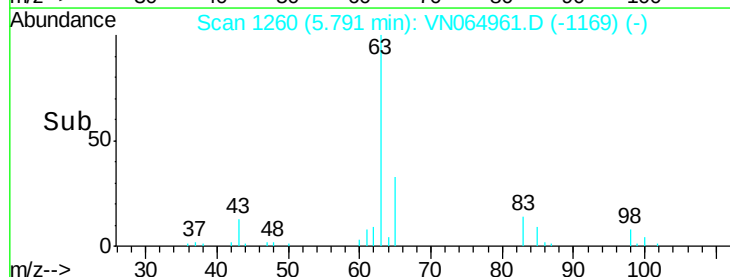
15000

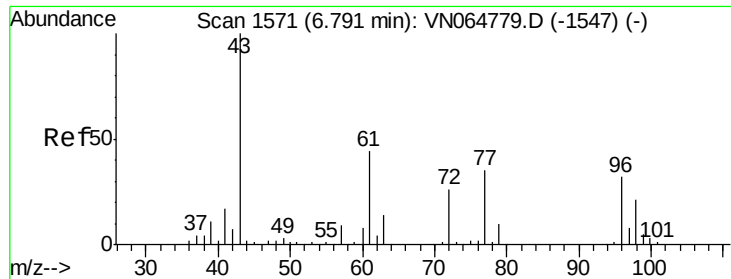
10000

5000

0

Time-->





#25

2-Butanone

Concen: 86.910 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tot Ion: 43 Resp: 114973

Ion Ratio Lower Upper

43 100

72 27.3 21.0 31.6

Instrument :

MSVOA_N

ClientSampleId :

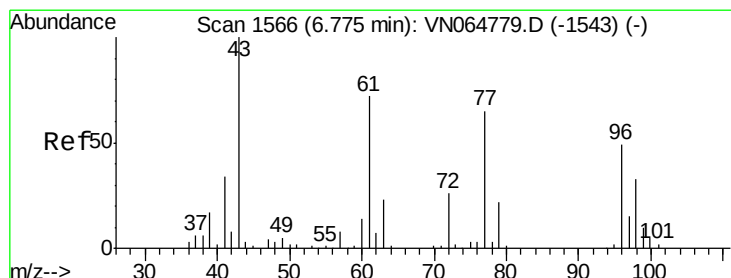
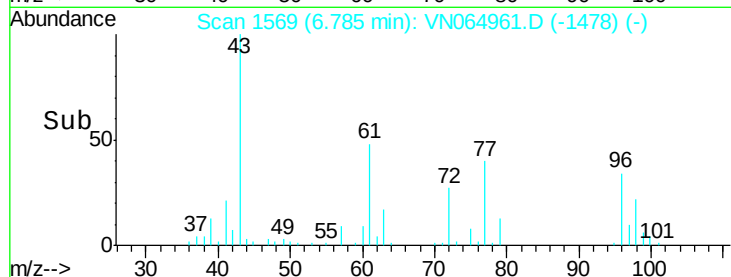
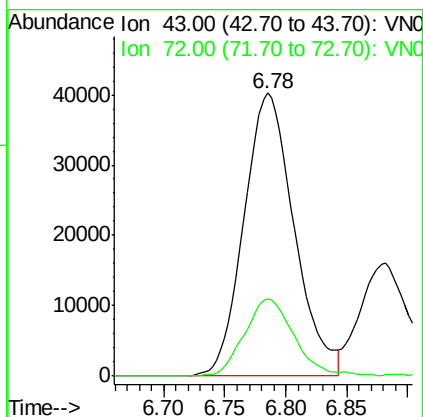
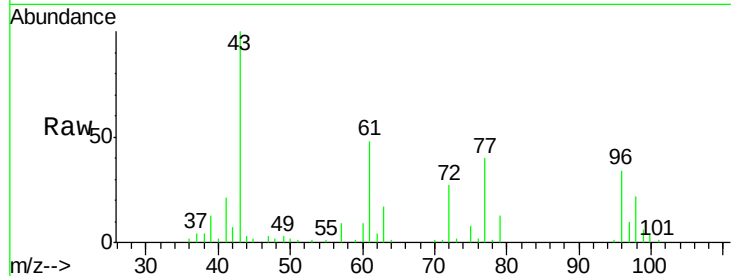
VN1208WBS01

Manual Integrations

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MMDadoda

12/10/2020 9:55:44 AM



#26

2,2-Dichloropropane

Concen: 17.976 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064961.D

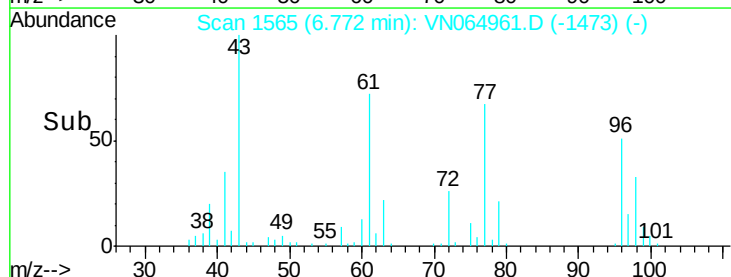
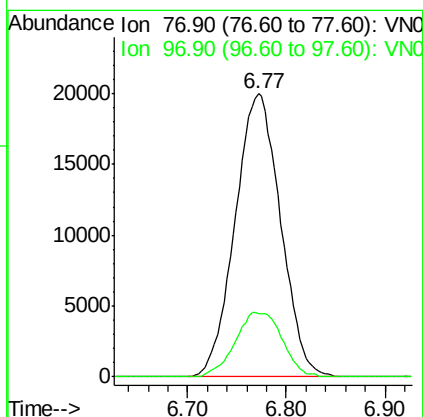
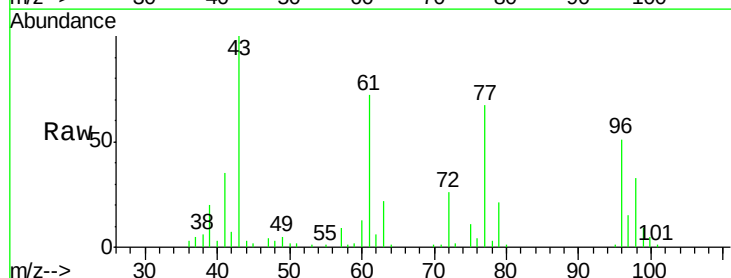
Acq: 8 Dec 2020 11:44

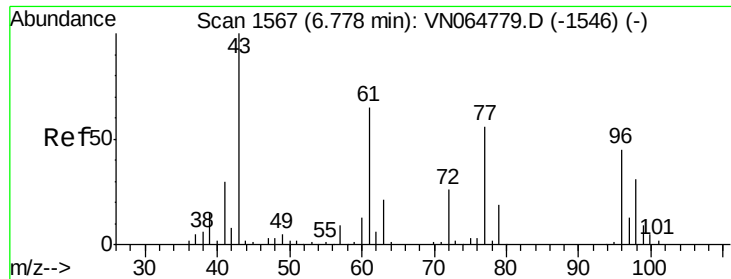
Tgt Ion: 77 Resp: 63693

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.283 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

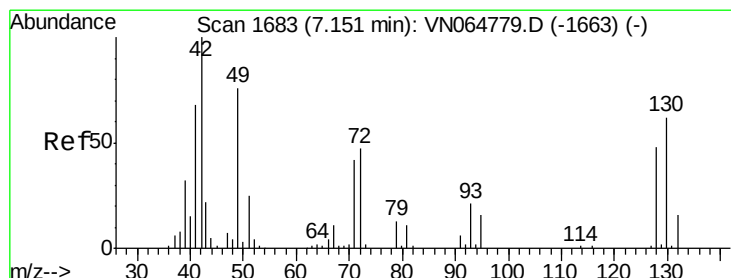
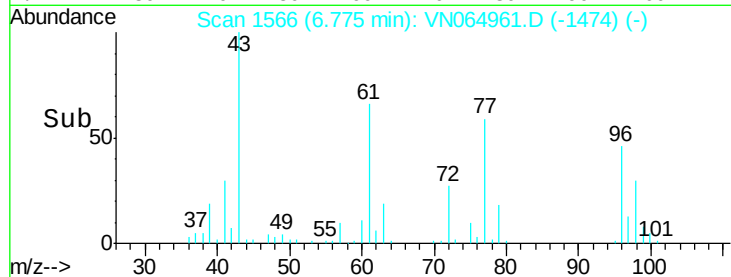
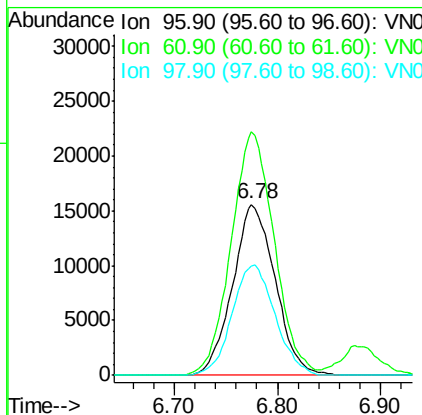
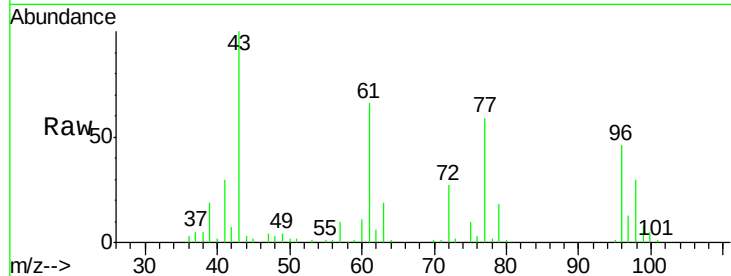
ClientSampleId :

VN1208WBS01

Tot Ion:	96	Resp:	44720
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	285.8
98	65.3	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 17.327 ug/l

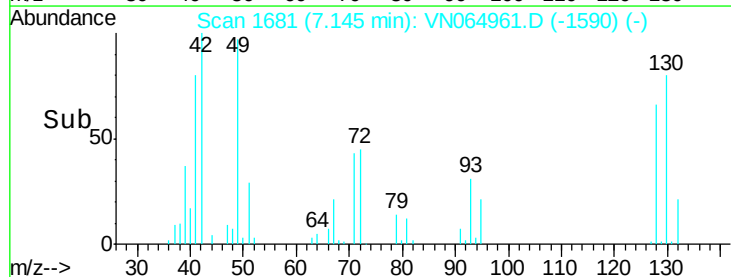
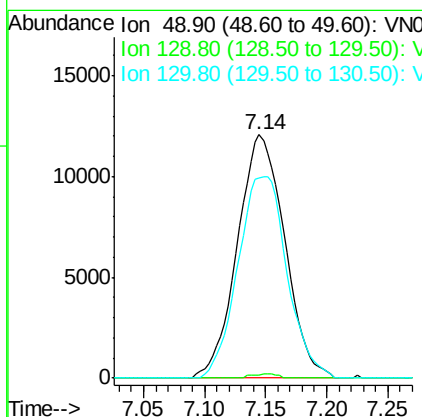
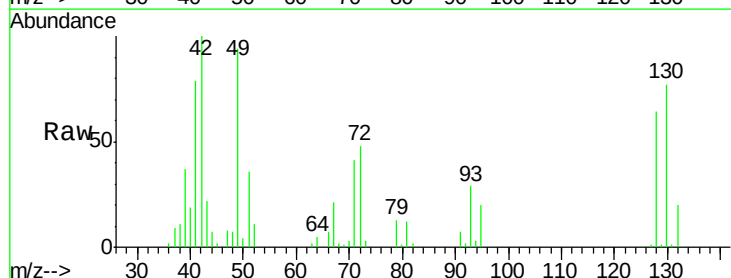
RT: 7.14 min Scan# 1681

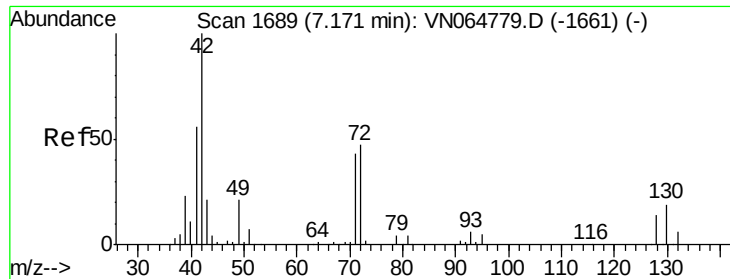
Delta R.T. -0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	49	Resp:	32383
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	86.0	66.2	99.2





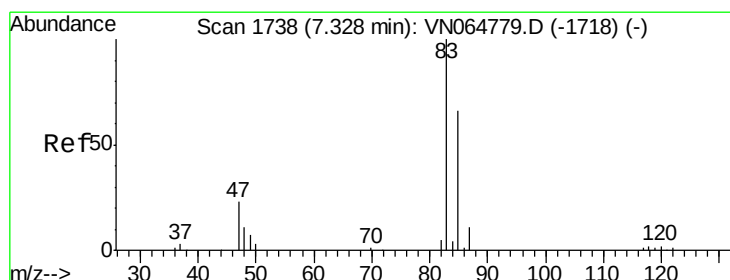
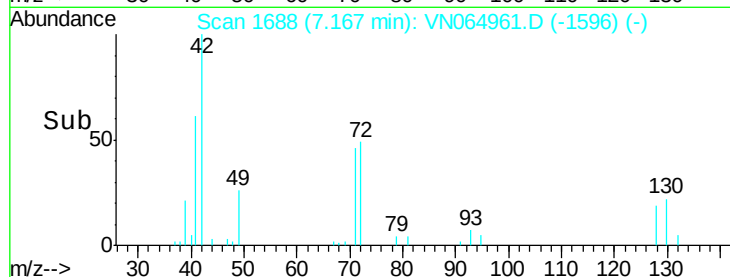
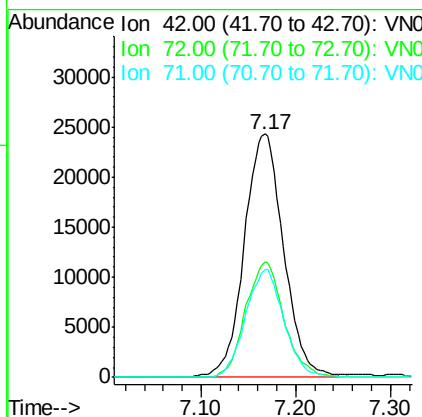
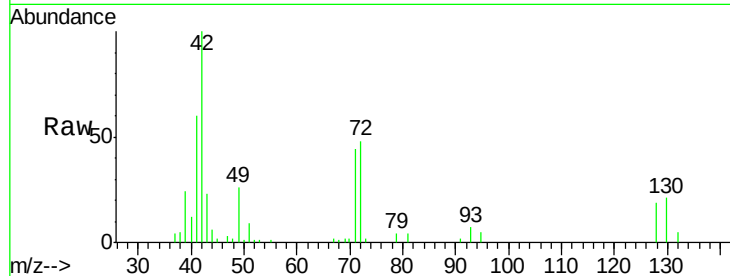
#29
Tetrahydrofuran
Concen: 76.873 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.6	54.8
71	42.9	33.6	50.4

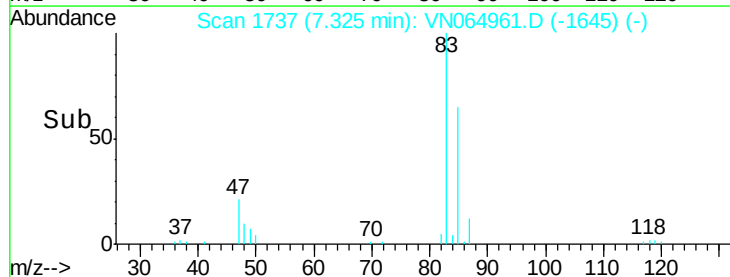
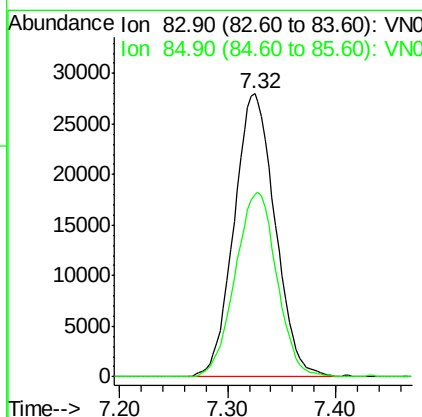
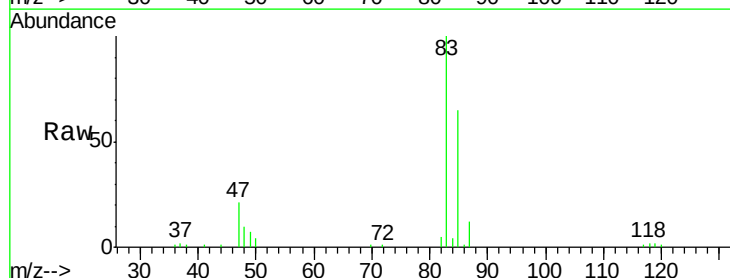
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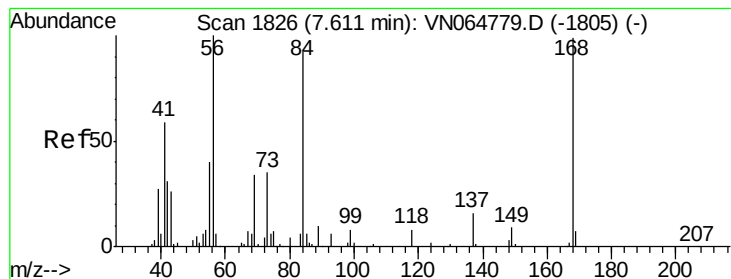
MMDadoda
12/10/2020 9:55:44 AM



#30
Chloroform
Concen: 17.590 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cyclohexane

Concen: 16.235 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

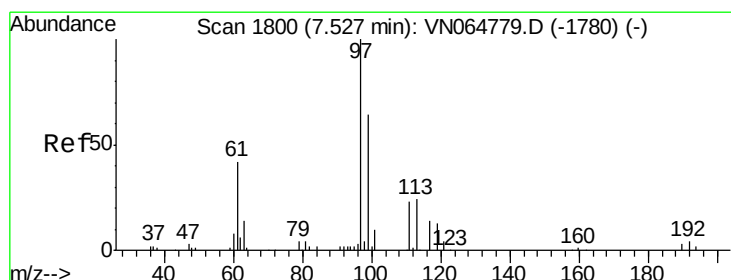
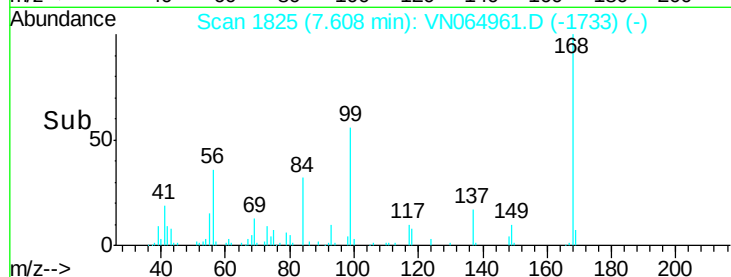
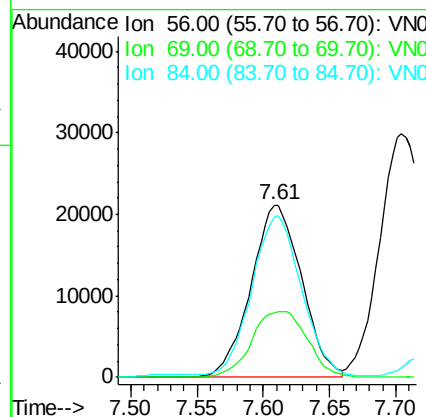
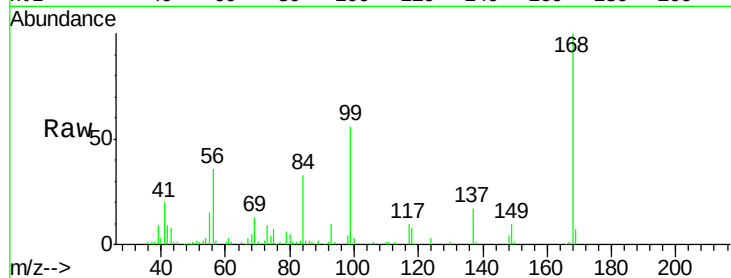
ClientSampleId :

VN1208WBS01

Tot Ion	56	Resp	56173
Ion	Ratio	Lower	Upper
56	100		
69	37.1	27.5	41.3
84	91.4	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.031 ug/l

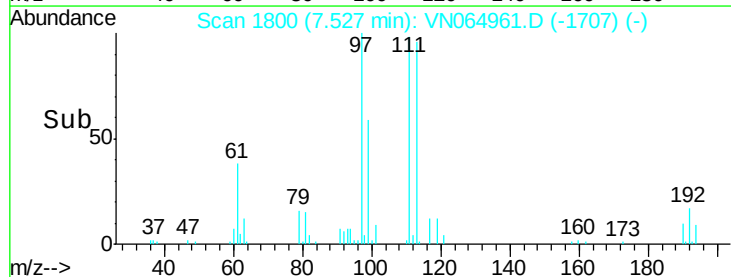
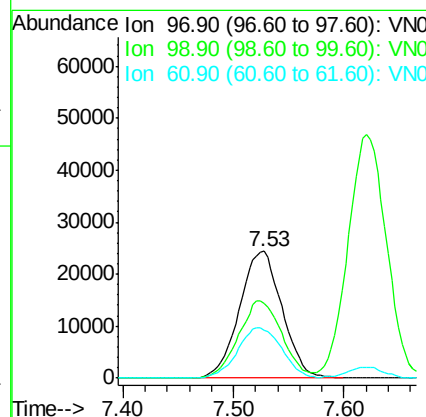
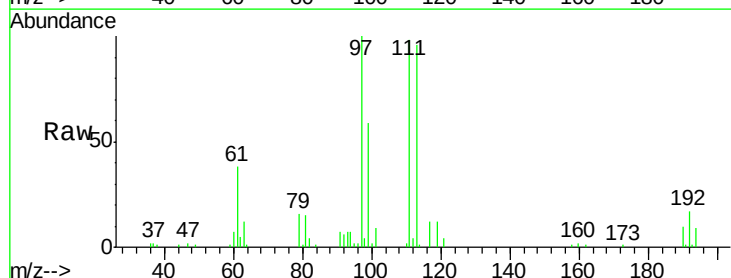
RT: 7.53 min Scan# 1800

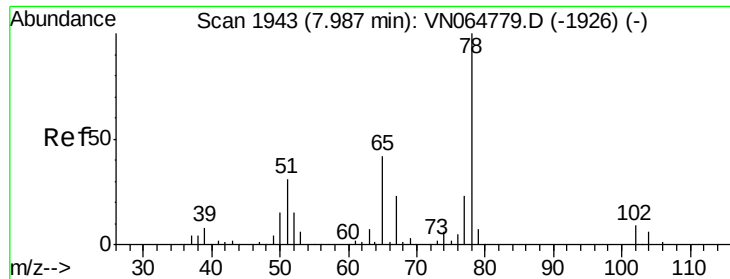
Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion	97	Resp	65245
Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.7	77.5
61	41.1	33.9	50.9





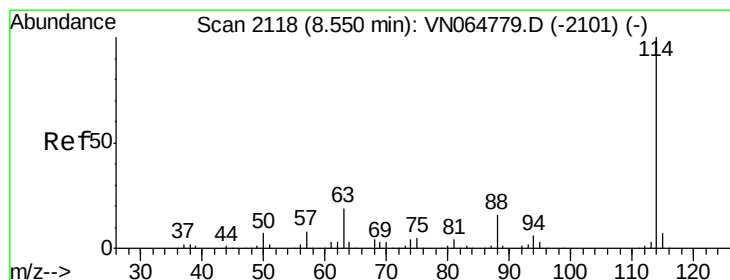
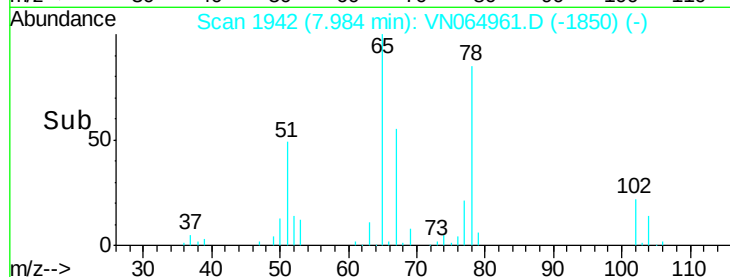
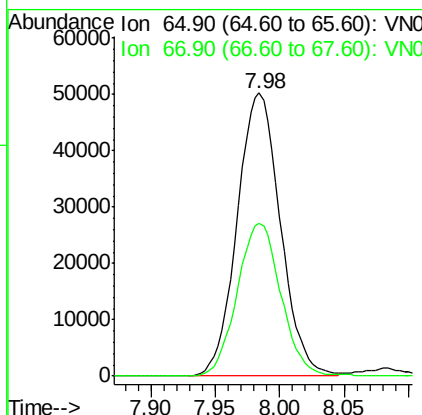
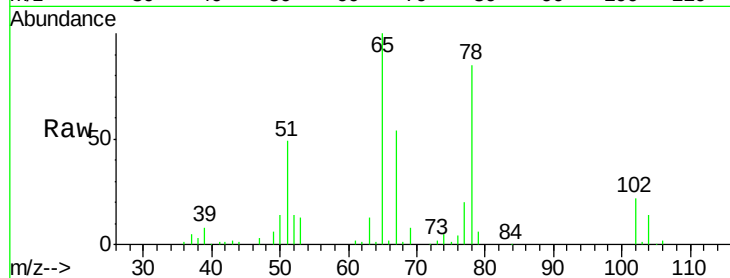
#33
 1,2-Dichloroethane-d4
 Concen: 47.210 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion: 65 Resp: 117200
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.2

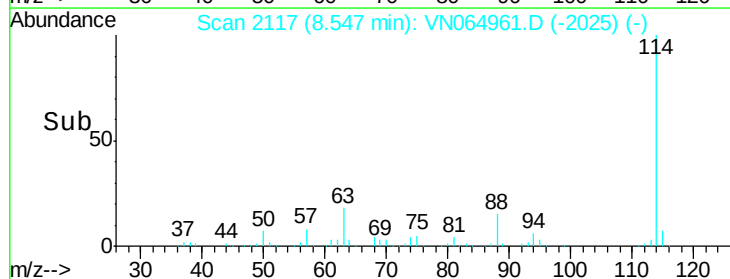
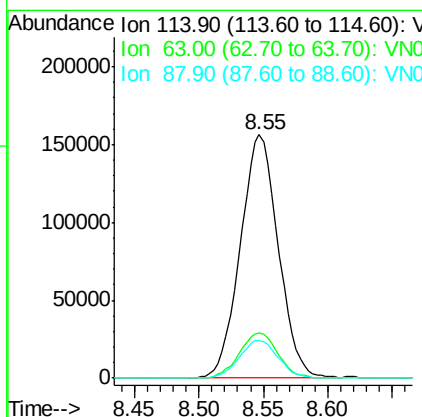
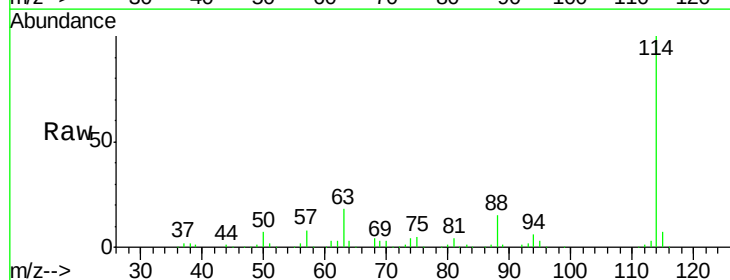
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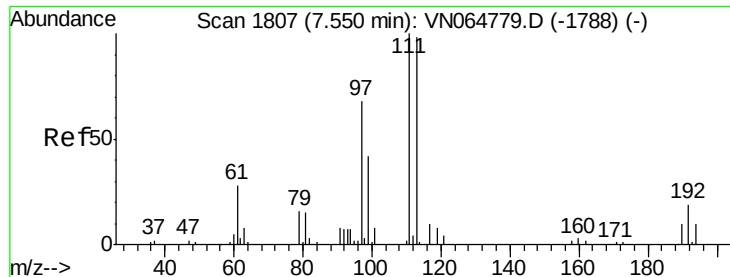
MMDadoda
 12/10/2020 9:55:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion: 114 Resp: 320643
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.6
 88 15.5 0.0 32.6





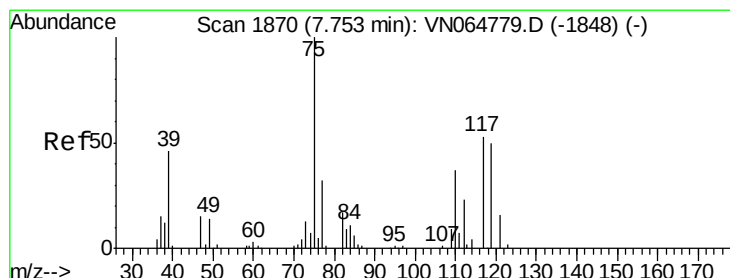
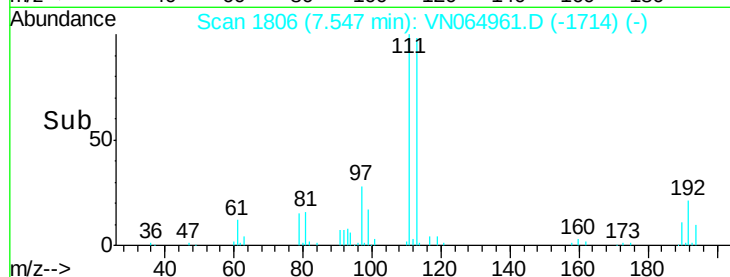
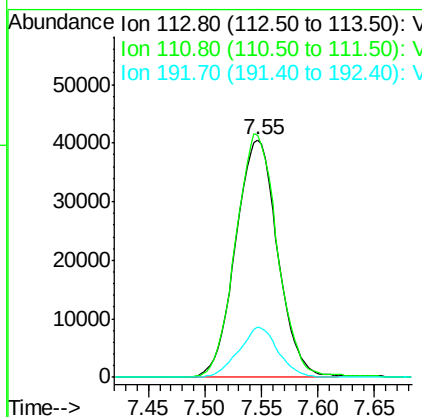
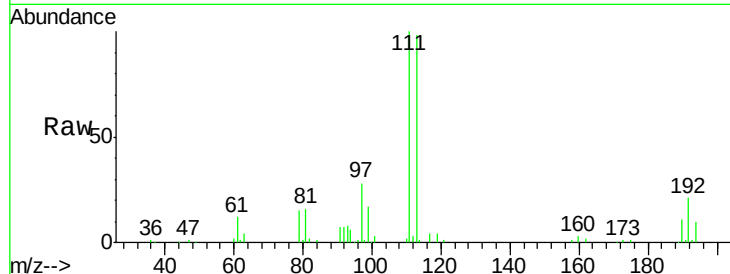
#35
Dibromofluoromethane
Concen: 54.595 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.6	122.4
192	19.7	16.2	24.2

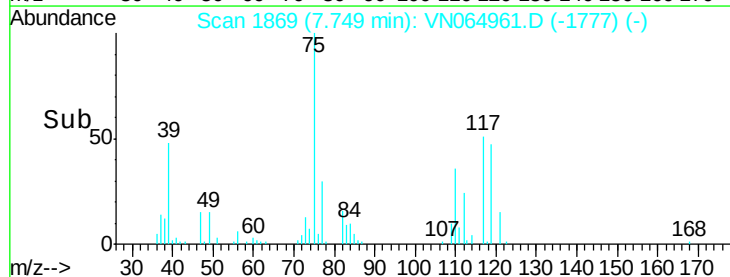
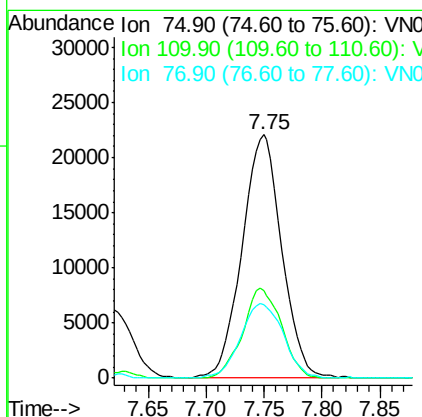
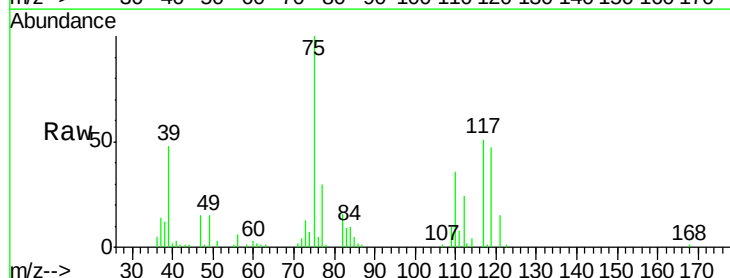
Manual Integrations
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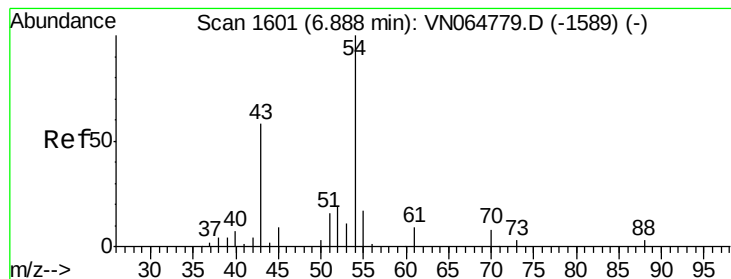
MMDadoda
12/10/2020 9:55:44 AM



#36
1,1-Dichloropropene
Concen: 17.692 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.8	53.3
77	32.9	25.0	37.4





#37

Ethyl Acetate

Concen: 15.411 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

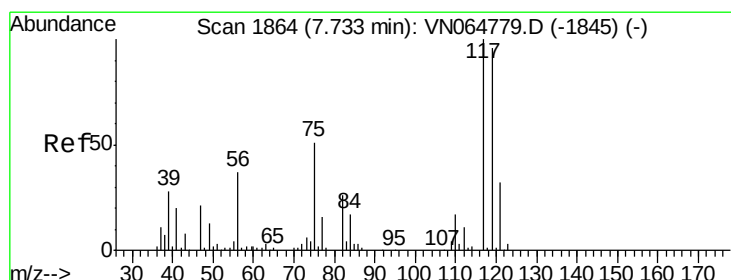
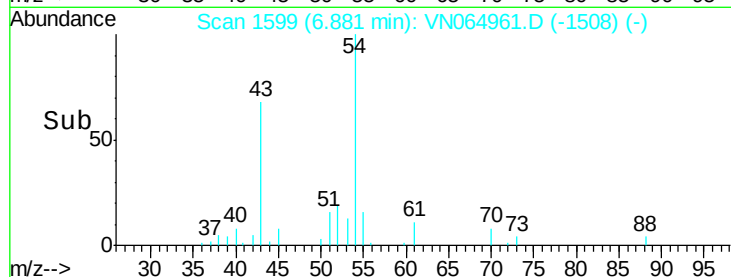
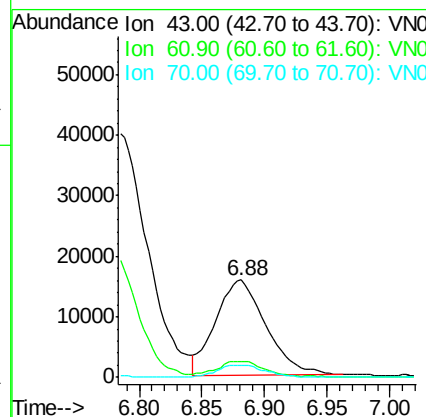
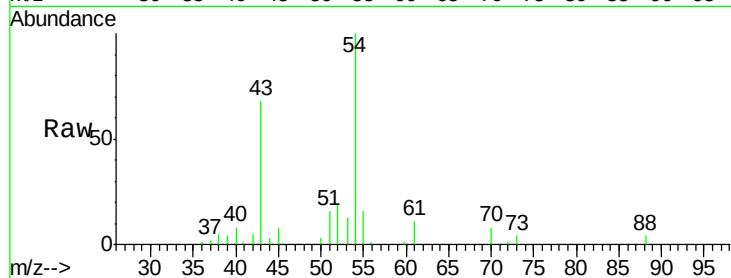
ClientSampleId :

VN1208WBS01

Tot Ion:	43	Resp:	44119
Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.8	19.2
70	12.1	8.8	13.2

Manual Integrations
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12/10/2020 9:55:44 AM



#38

Carbon Tetrachloride

Concen: 18.284 ug/l

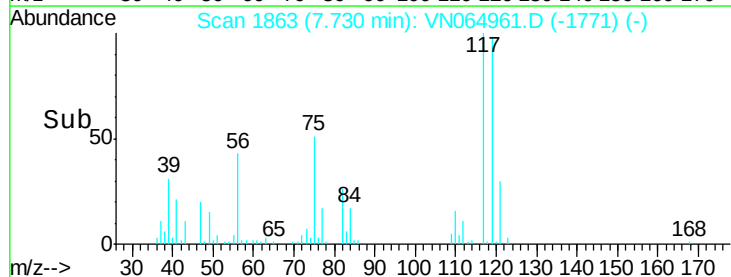
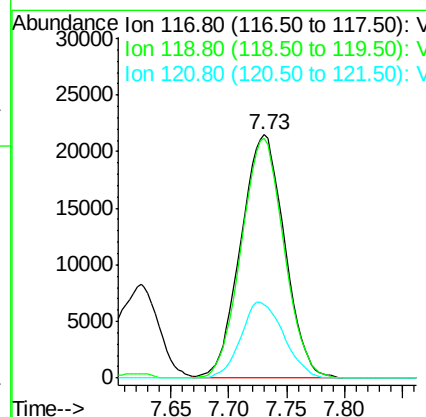
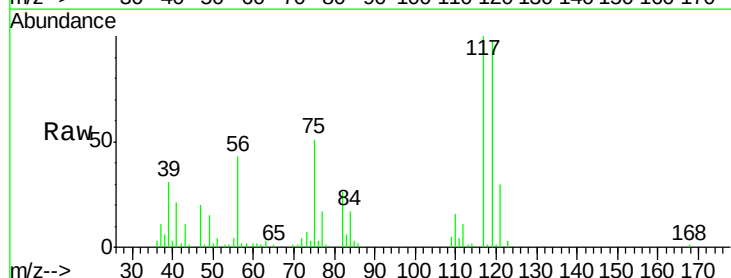
RT: 7.73 min Scan# 1863

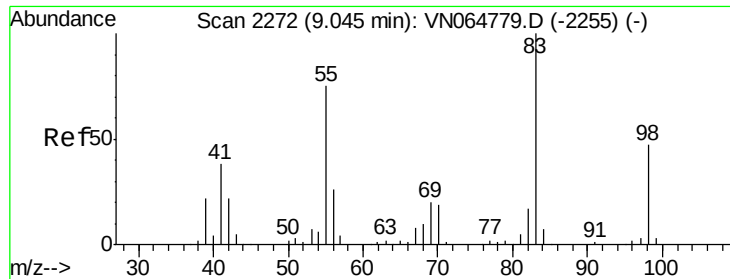
Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	117	Resp:	56542
Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.7	115.1
121	30.3	25.4	38.2





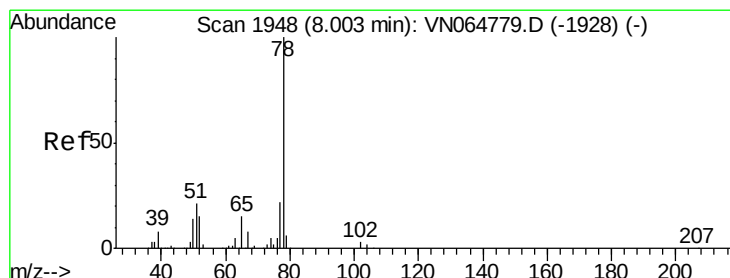
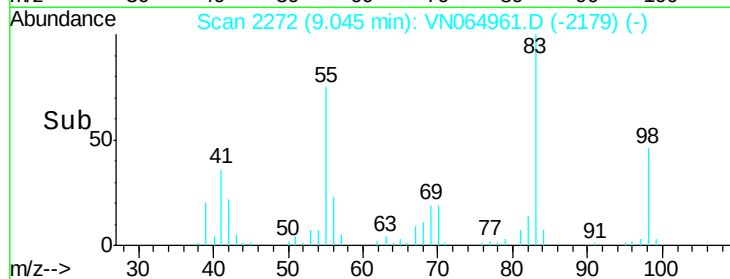
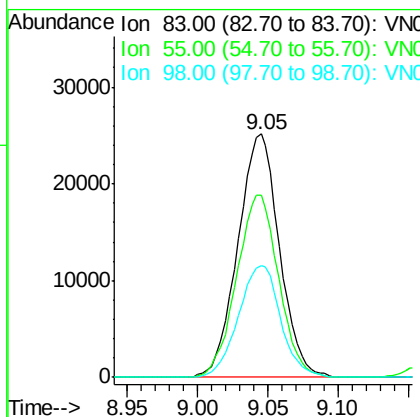
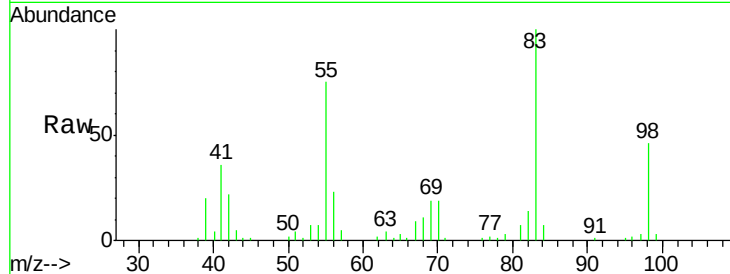
#39
Methylvlcyclohexane
Concen: 16.212 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	83	Resp	51870
Ion Ratio	100	Lower	Upper
83	100		
55	74.7	60.2	90.2
98	45.9	37.4	56.2

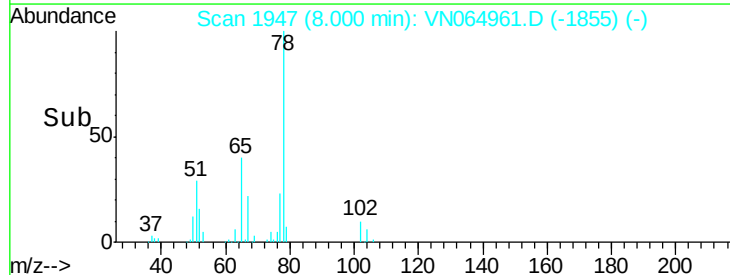
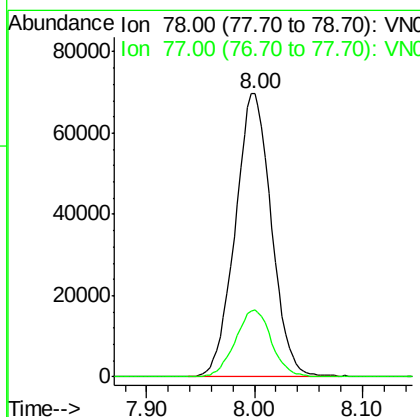
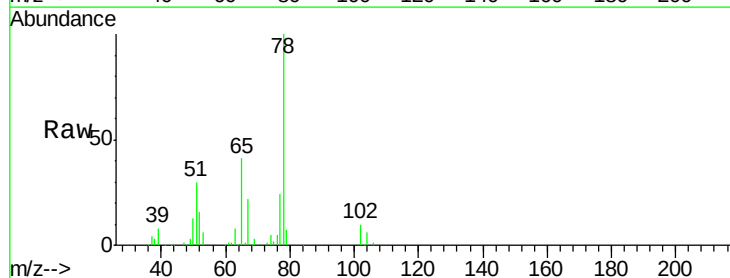
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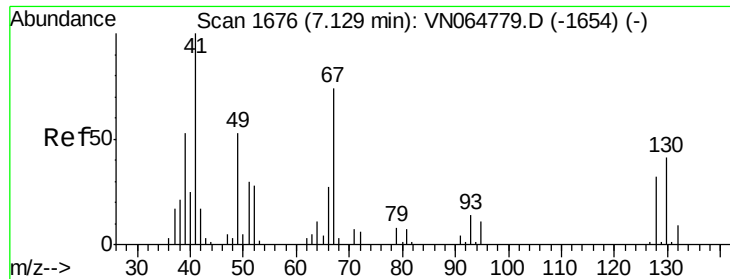
MMDadoda
12/10/2020 9:55:44 AM



#40
Benzene
Concen: 17.898 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	78	Resp	163005
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	17.9	26.9





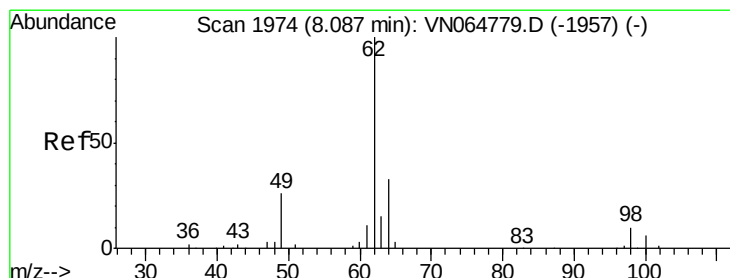
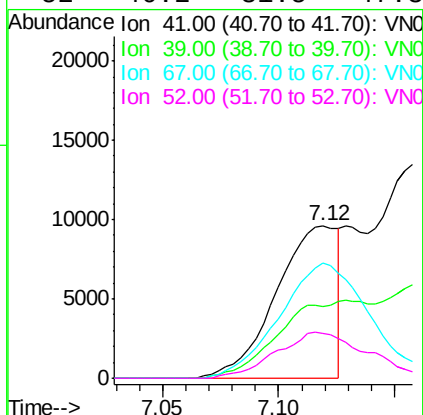
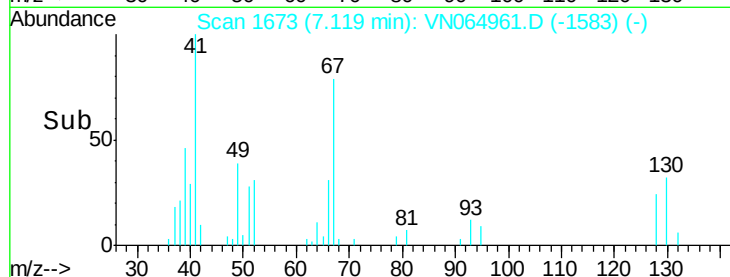
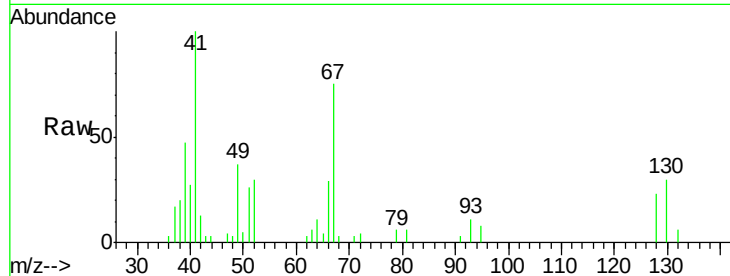
#41
Methacrylonitrile
Concen: 13.435 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.4	51.0	76.6
67	111.4	79.8	119.8
52	46.2	31.5	47.3

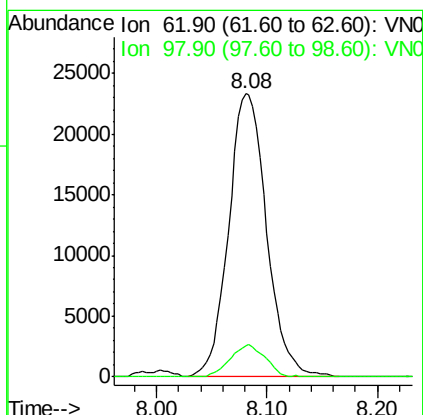
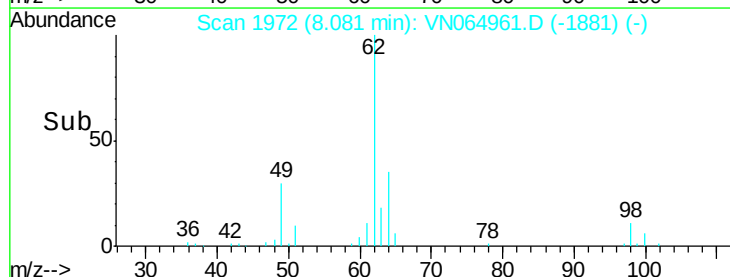
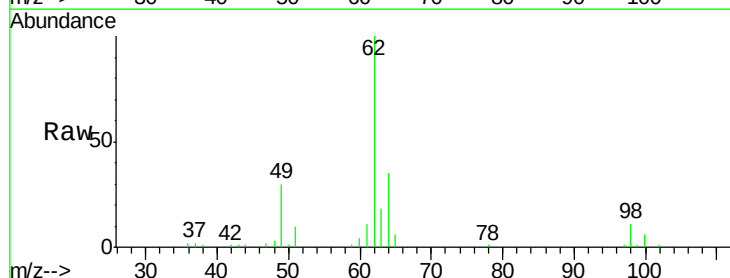
Manual Integrations
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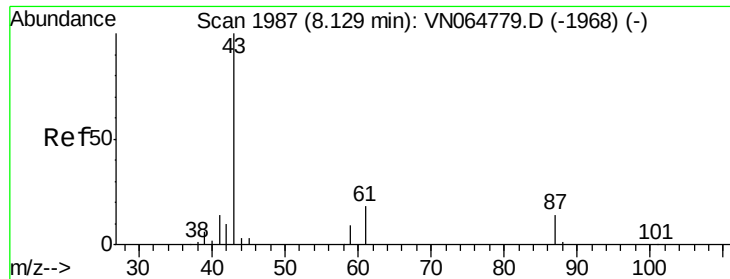
MMDadoda
12/10/2020 9:55:44 AM



#42
1,2-Dichloroethane
Concen: 18.075 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.6





#43

Isopropyl Acetate

Concen: 17.086 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

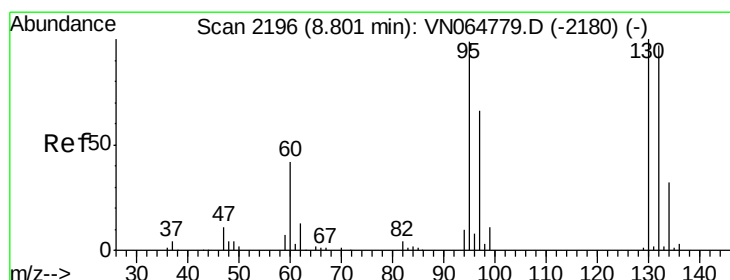
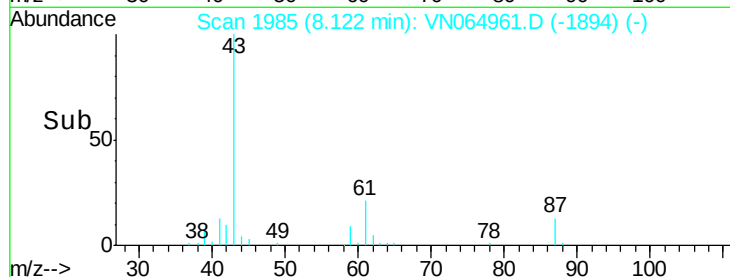
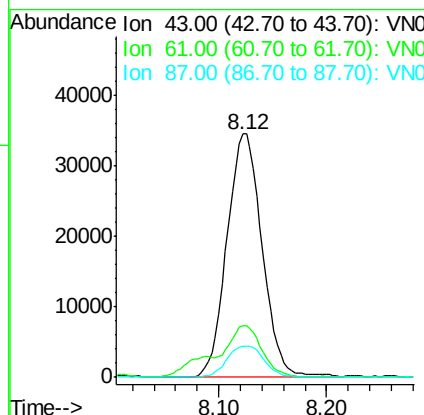
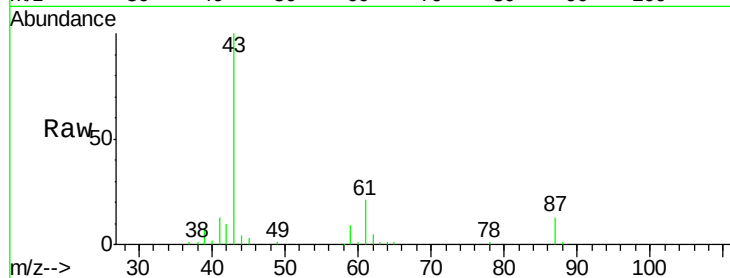
ClientSampleId :

VN1208WBS01

Tot Ion:	43	Resp:	78709
Ion	Ratio	Lower	Upper
43	100		
61	19.9	17.2	25.8
87	13.5	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 17.645 ug/l

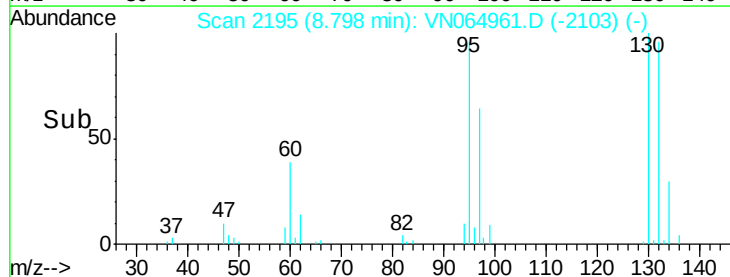
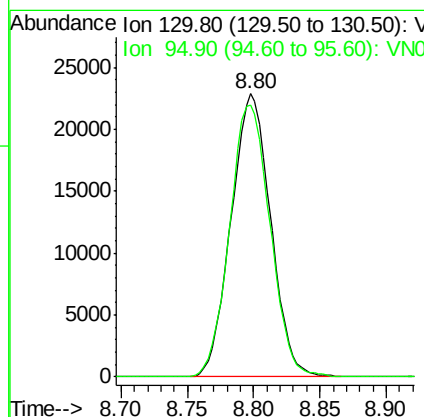
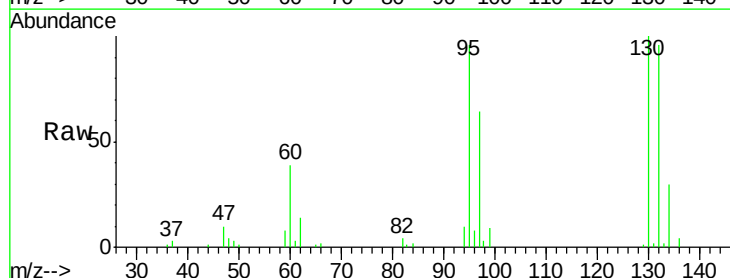
RT: 8.80 min Scan# 2195

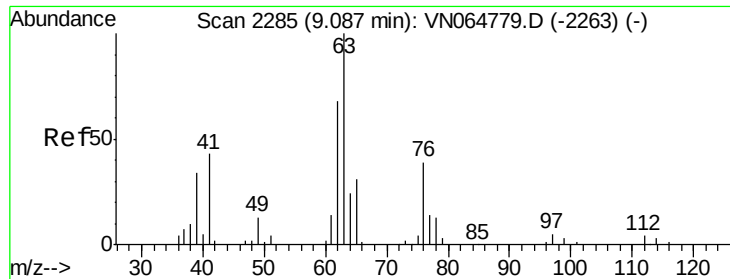
Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	130	Resp:	47415
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	197.8





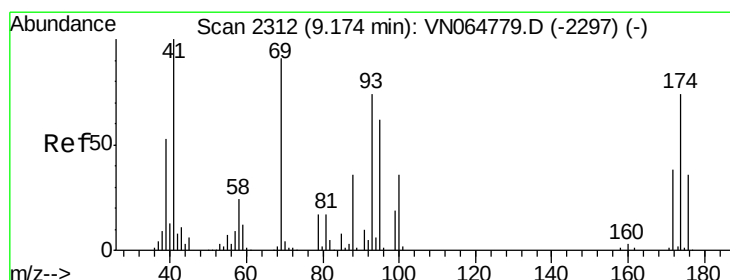
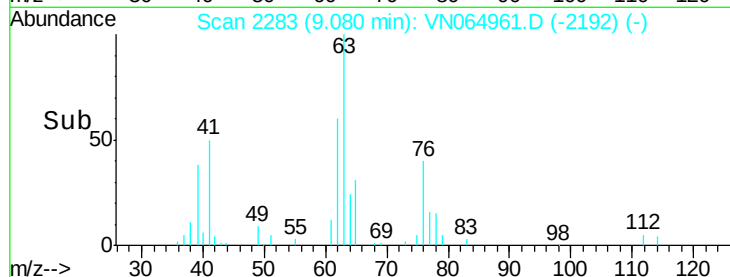
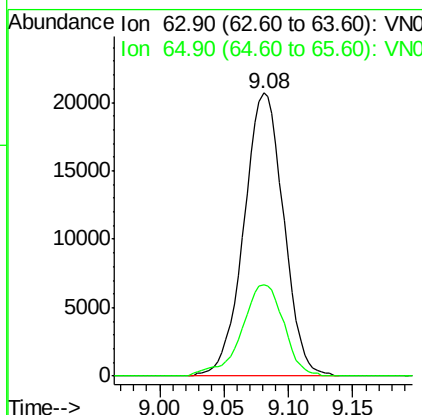
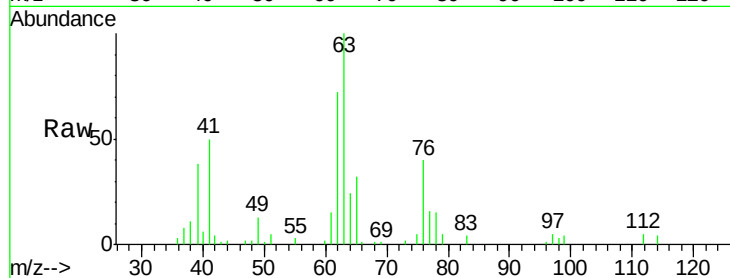
#45
 1,2-Dichloropropane
 Concen: 18.853 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion: 63 Resp: 44465
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.4

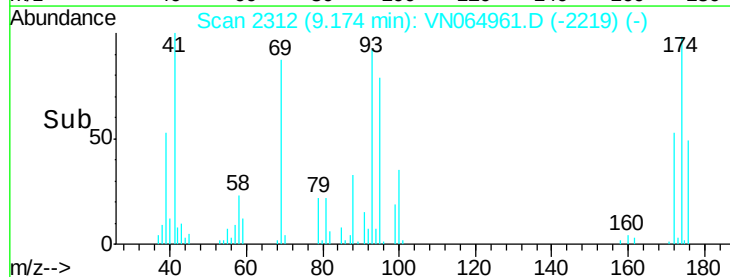
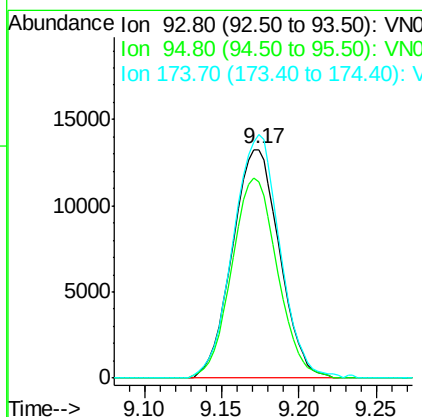
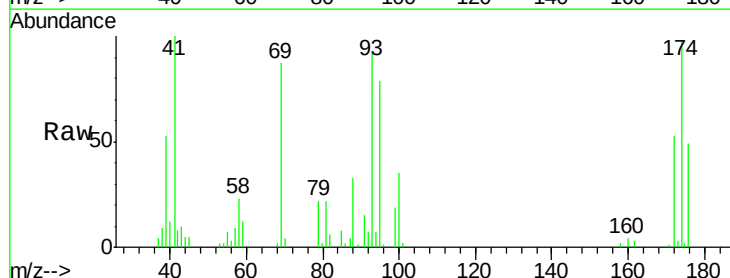
Manual Integrations
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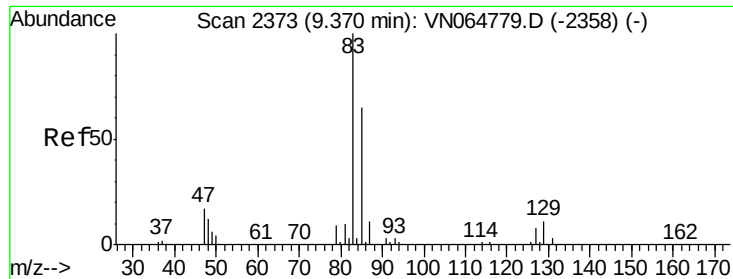
MMDadoda
 12/10/2020 9:55:44 AM



#46
 Dibromomethane
 Concen: 17.875 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion: 93 Resp: 28164
 Ion Ratio Lower Upper
 93 100
 95 84.4 68.8 103.2
 174 105.3 83.1 124.7





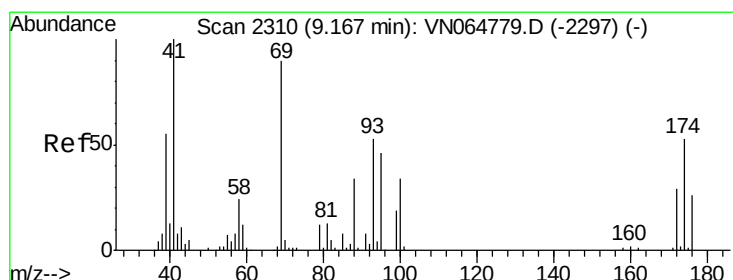
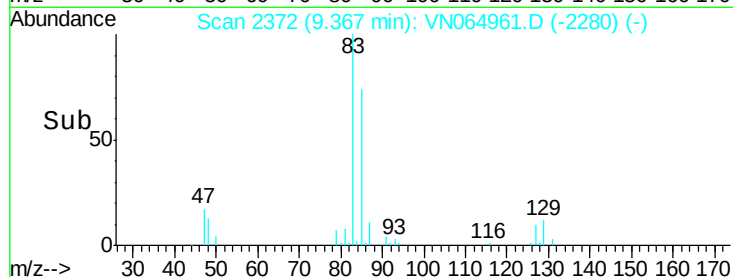
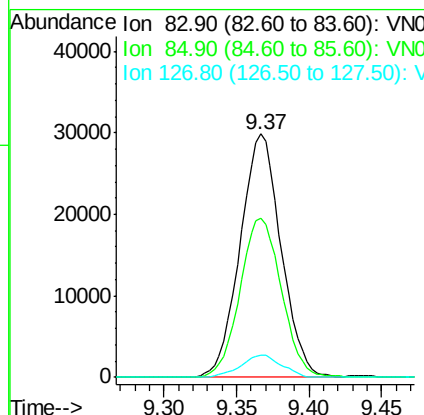
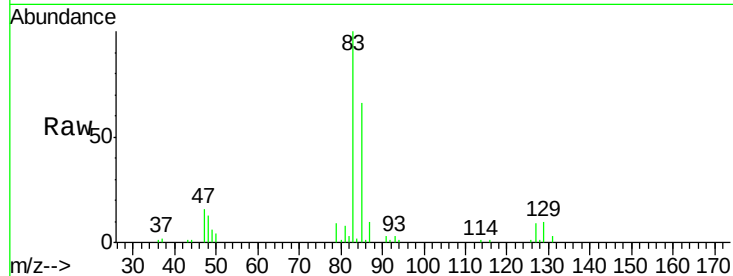
#47
Bromodichloromethane
Concen: 18.484 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.5	51.8	77.8	
127	9.3	6.8	10.2	

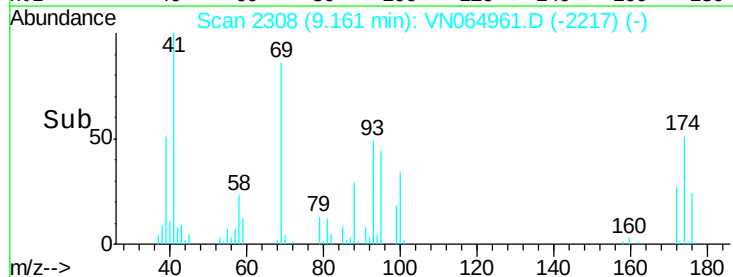
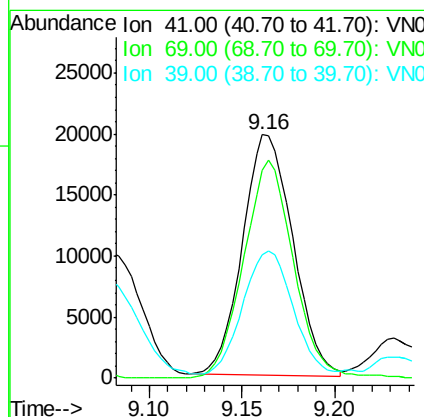
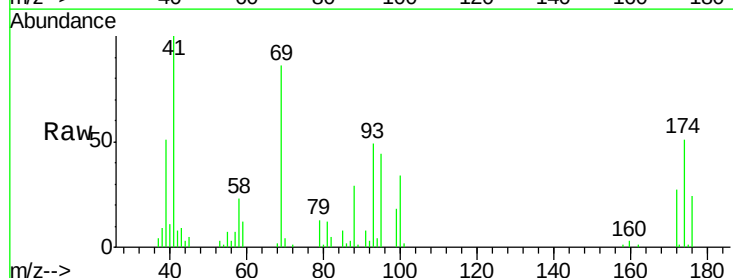
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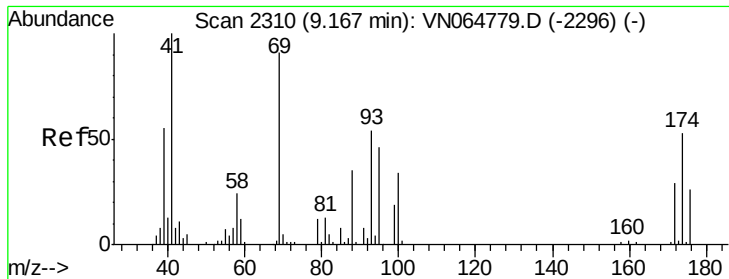
MMDadoda
12/10/2020 9:55:44 AM



#48
Methyl methacrylate
Concen: 16.815 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.8	71.8	107.8	
39	54.4	44.1	66.1	





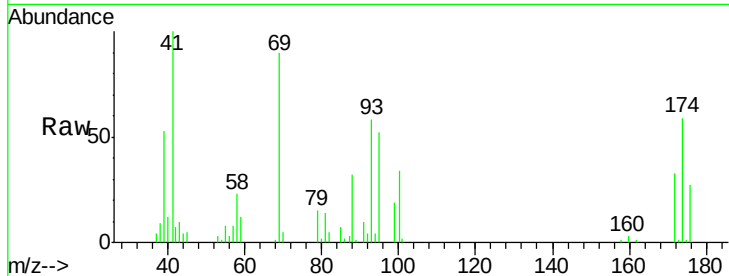
#49
1,4-Dioxane
Concen: 300.162 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	24.2	36.4
58	74.2	52.5	78.7

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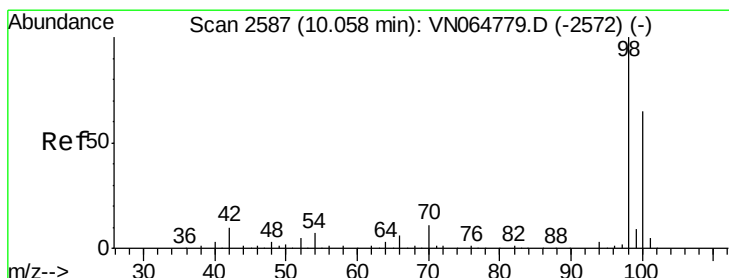
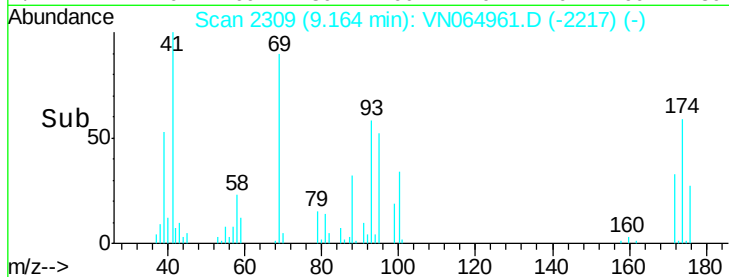
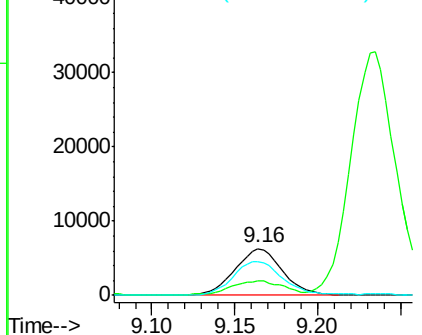
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VN064961.D (-2217) (-)

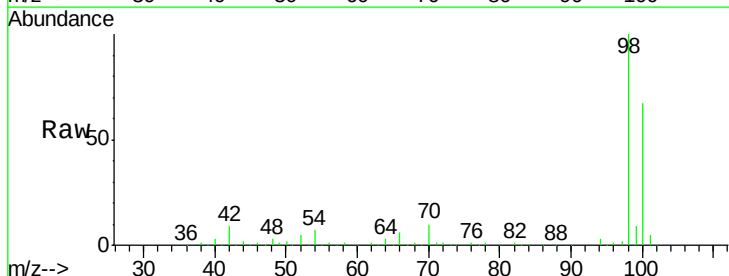
Ion 43.00 (42.70 to 43.70): VN064961.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064961.D (-2217) (-)



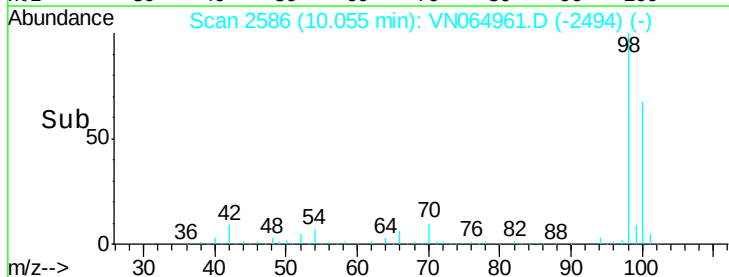
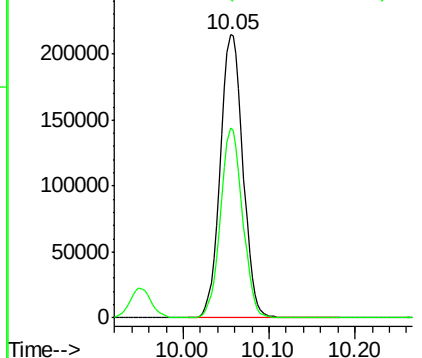
#50
Toluene-d8
Concen: 50.337 ug/l
RT: 10.05 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

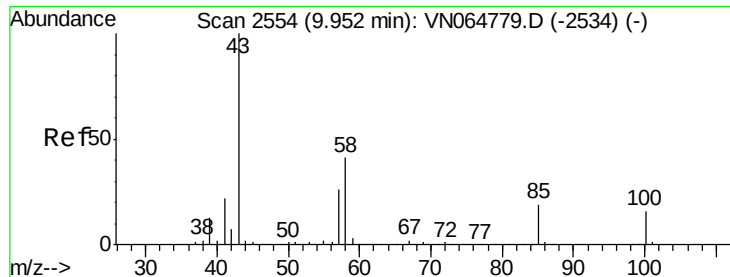
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064961.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064961.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 84.644 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampled :

VN1208WBS01

Tot Ion: 43 Resp: 234093

Ion Ratio Lower Upper

43 100

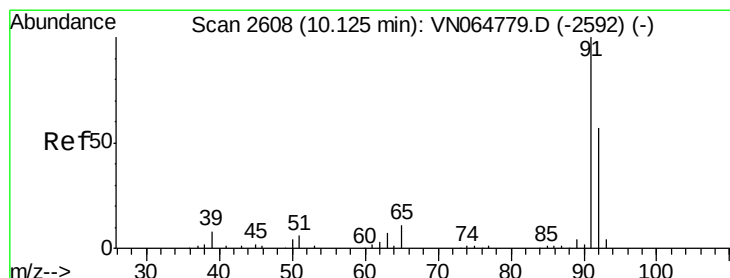
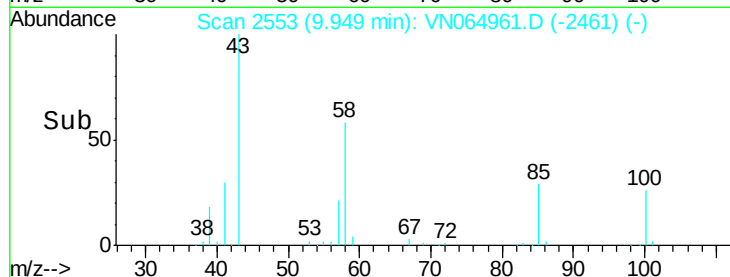
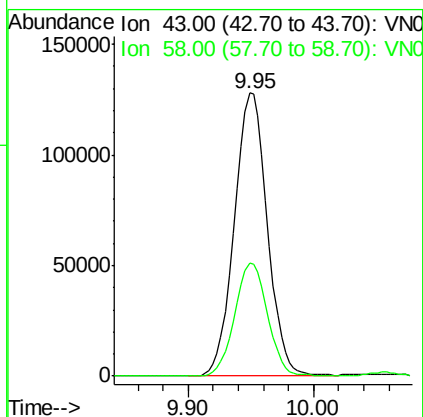
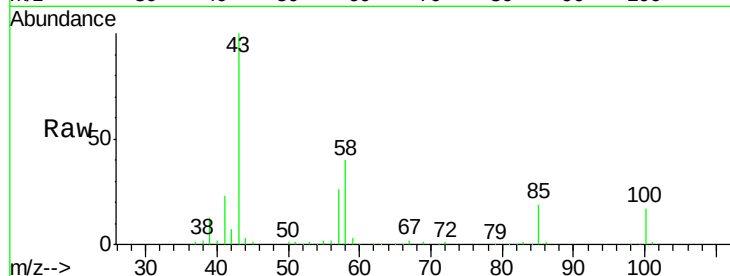
58 39.8 32.4 48.6

Manual Integrations

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#52

Toluene

Concen: 18.486 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064961.D

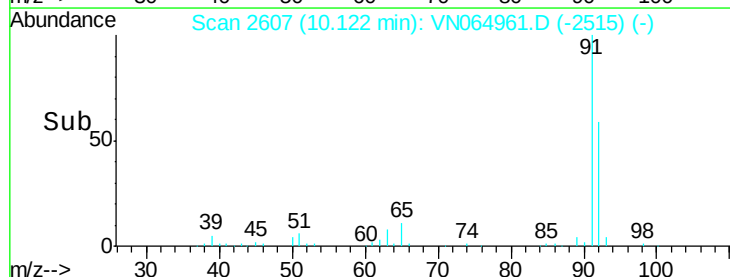
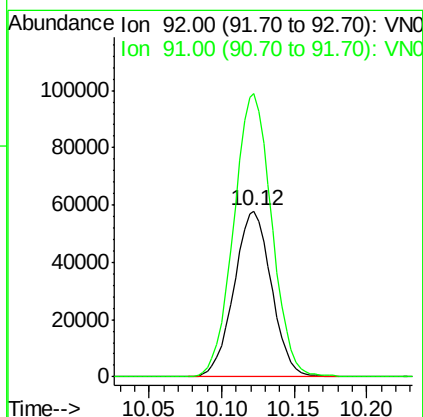
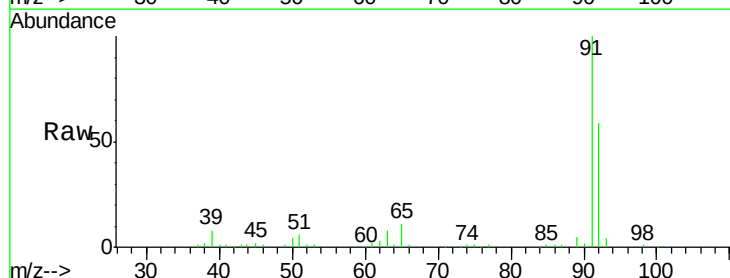
Acq: 8 Dec 2020 11:44

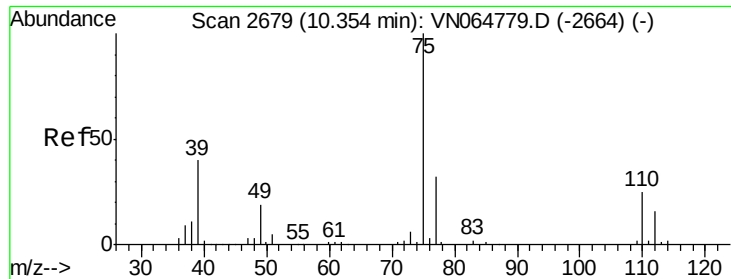
Tgt Ion: 92 Resp: 103683

Ion Ratio Lower Upper

92 100

91 173.3 139.1 208.7





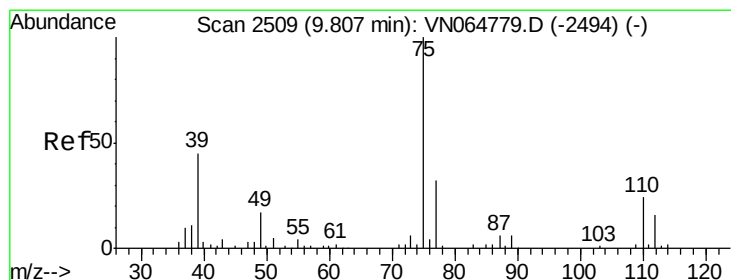
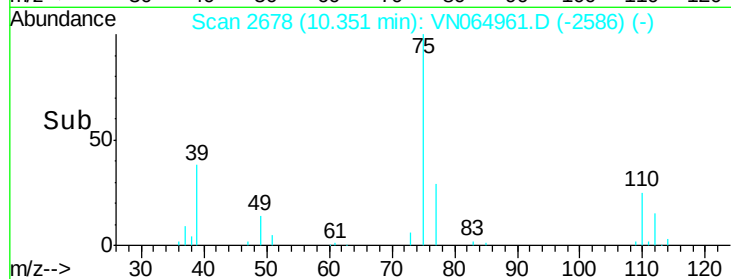
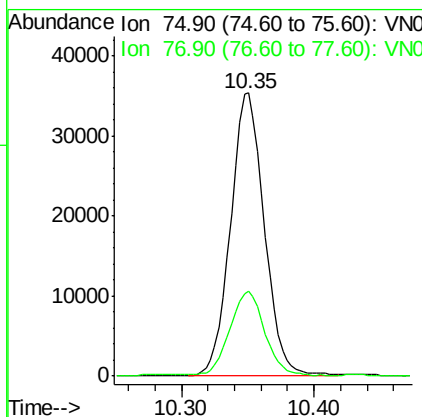
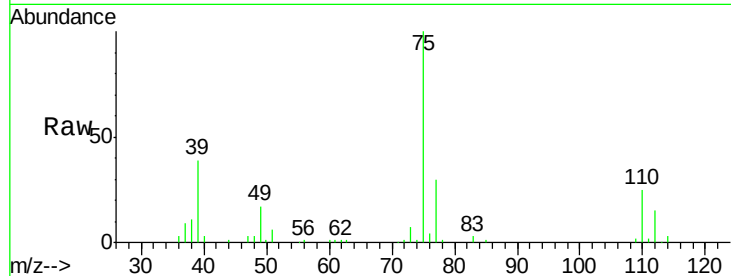
#53
 t-1,3-Dichloropropene
 Concen: 17.730 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion: 75 Resp: 62609
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.6

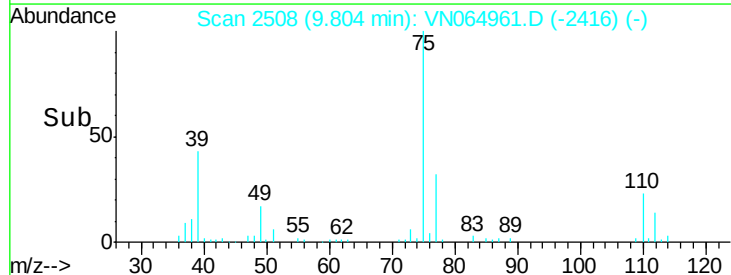
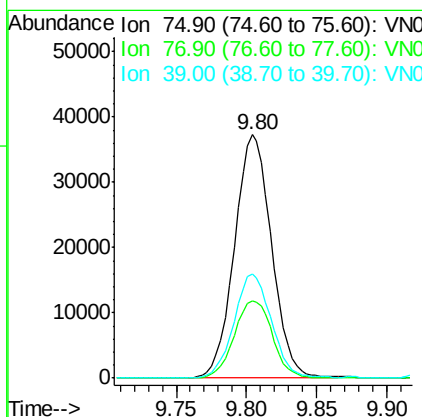
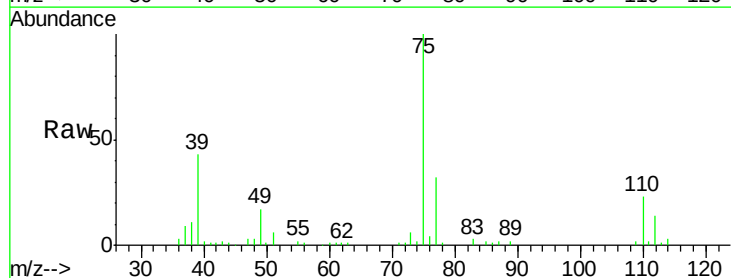
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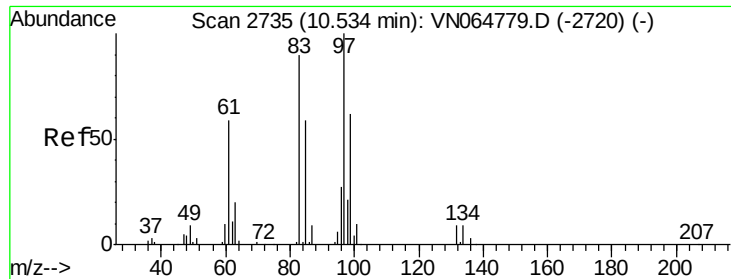
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 18.142 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion: 75 Resp: 68667
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 42.9 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 18.207 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

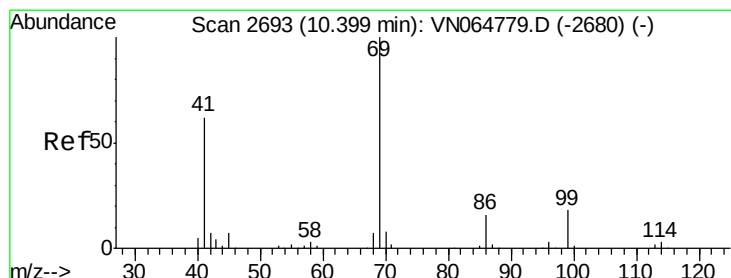
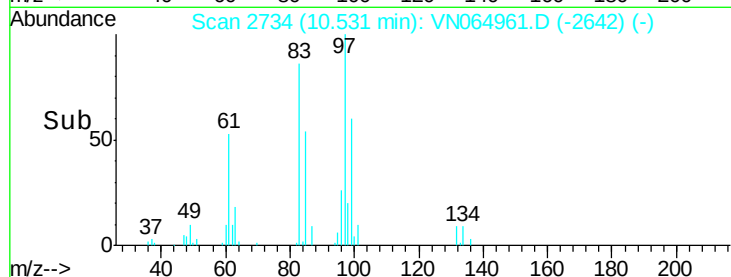
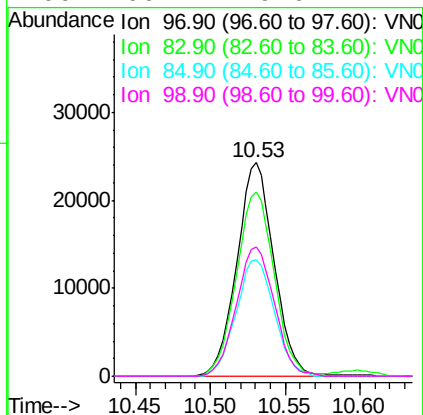
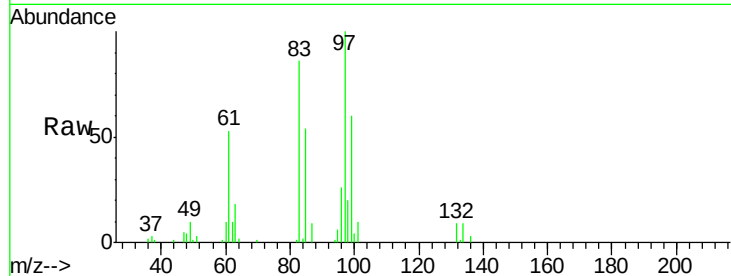
ClientSampleId :

VN1208WBS01

Tot Ion:	97	Resp:	41991
Ion	Ratio	Lower	Upper
97	100		
83	86.5	72.1	108.1
85	54.4	46.8	70.2
99	60.4	49.6	74.4

Manual Integrations
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12/10/2020 9:55:44 AM



#56

Ethyl methacrylate

Concen: 17.476 ug/l

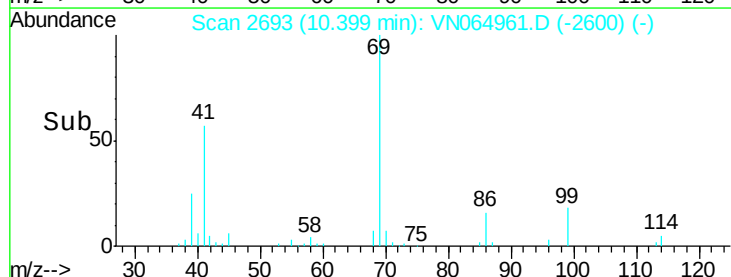
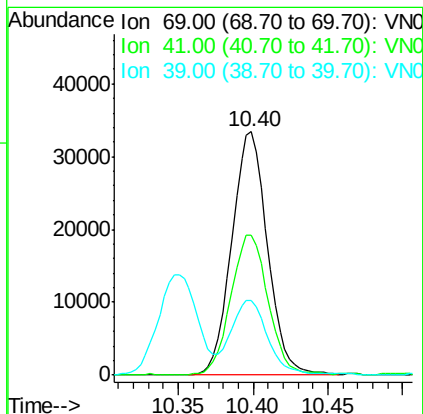
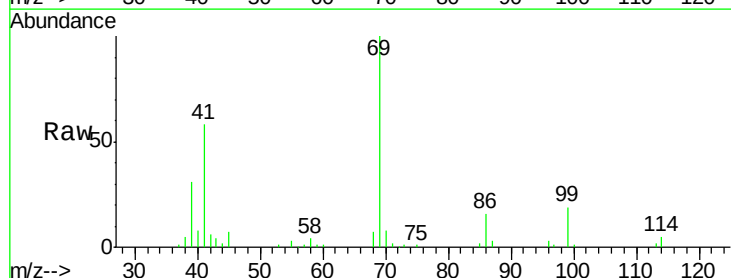
RT: 10.40 min Scan# 2693

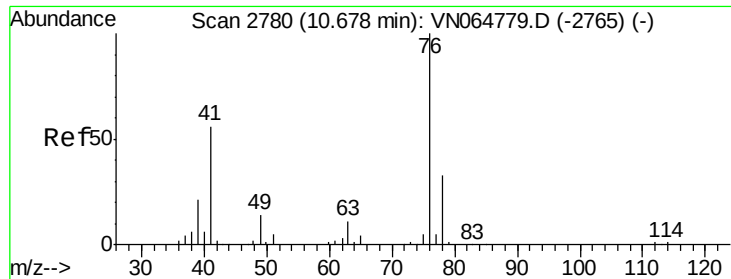
Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	69	Resp:	55619
Ion	Ratio	Lower	Upper
69	100		
41	60.3	49.4	74.0
39	30.2	25.9	38.9





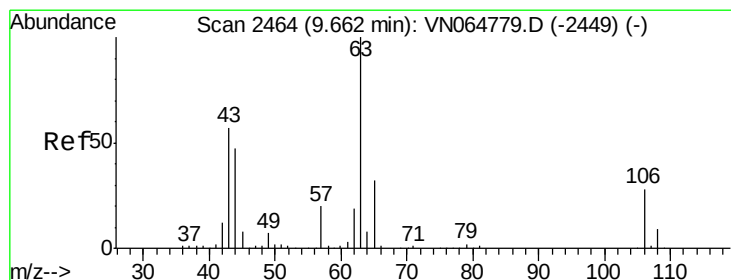
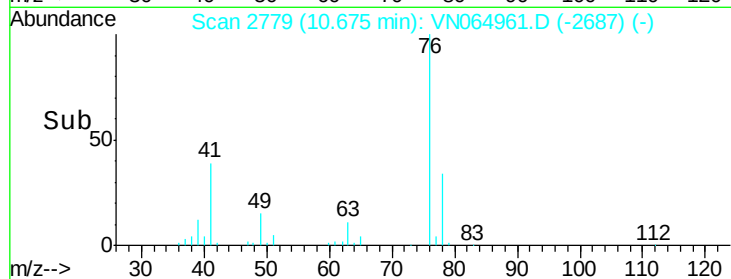
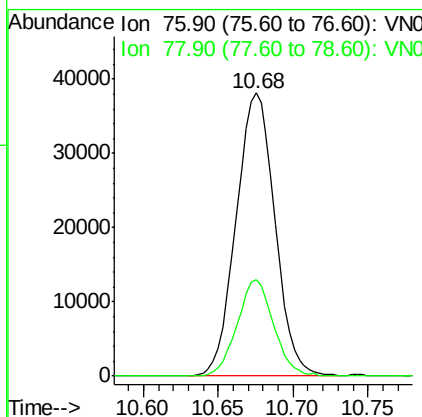
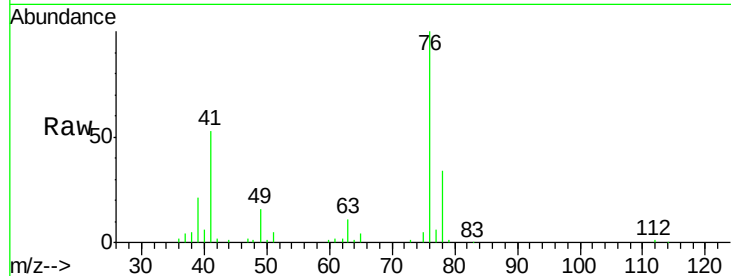
#57
 1,3-Dichloropropane
 Concen: 18.105 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion: 76 Resp: 68881
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1

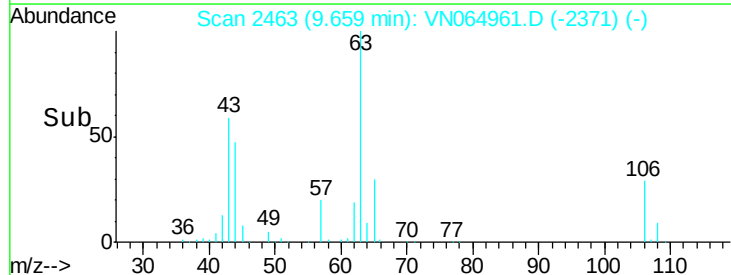
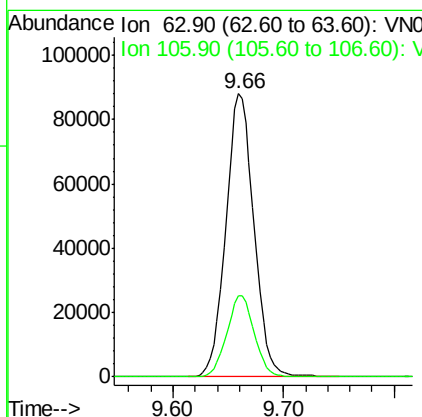
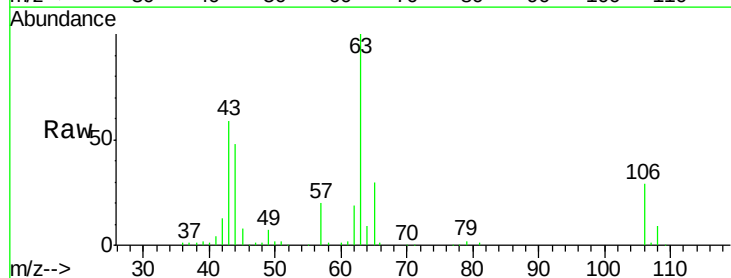
Manual Integrations
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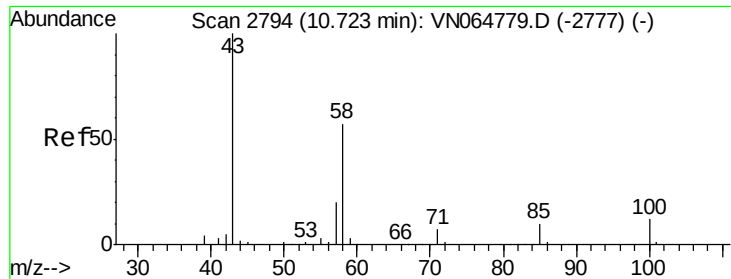
MMDadoda
 12/10/2020 9:55:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.593 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion: 63 Resp: 155099
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1





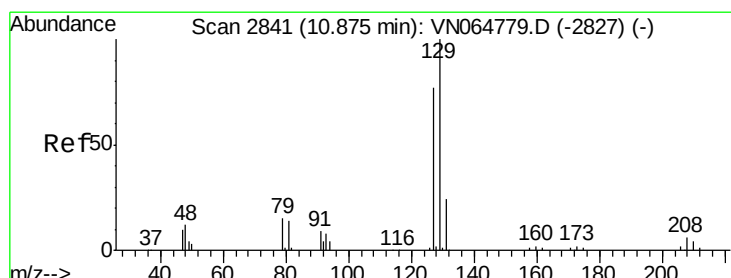
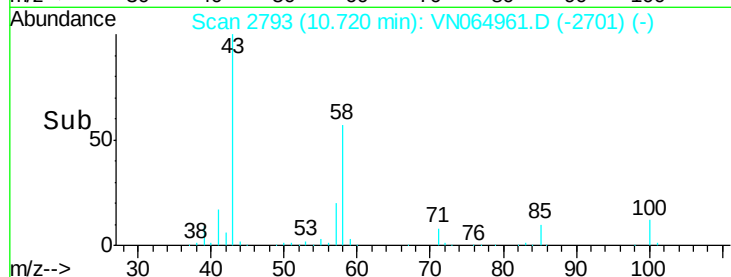
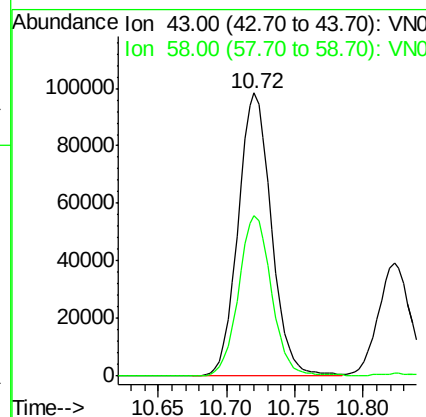
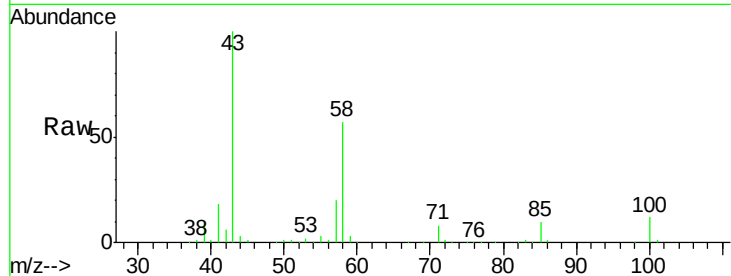
#59
2-Hexanone
Concen: 83.807 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion: 43 Resp: 166808
Ion Ratio Lower Upper
43 100
58 56.2 28.3 84.9

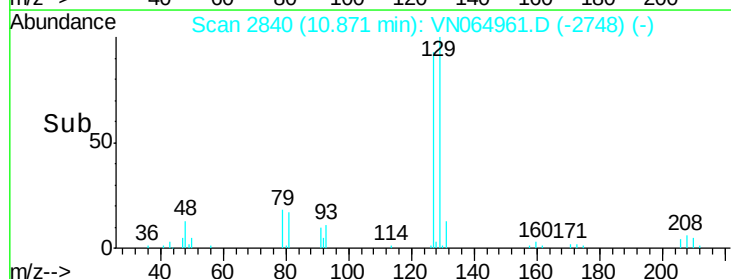
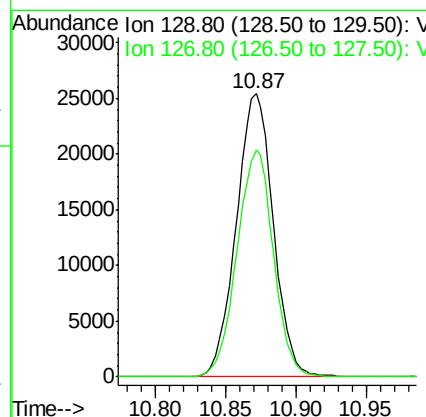
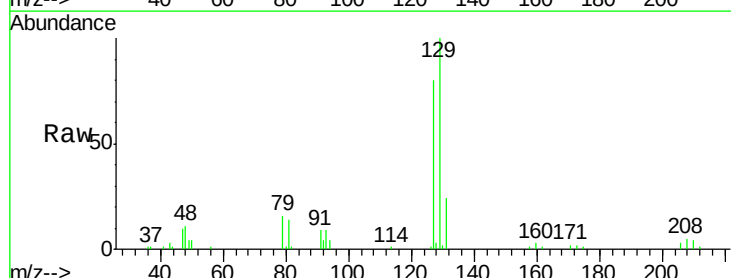
Manual Integrations
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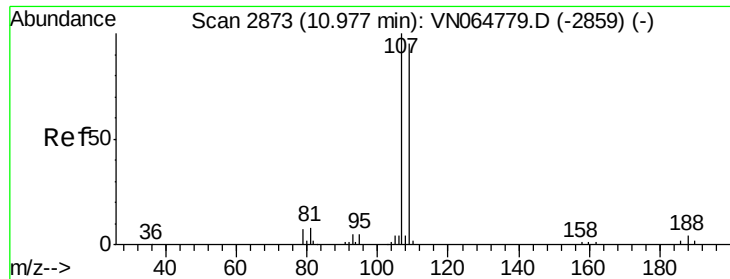
MMDadoda
12/10/2020 9:55:44 AM



#60
Dibromochloromethane
Concen: 18.235 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion: 129 Resp: 46750
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.2





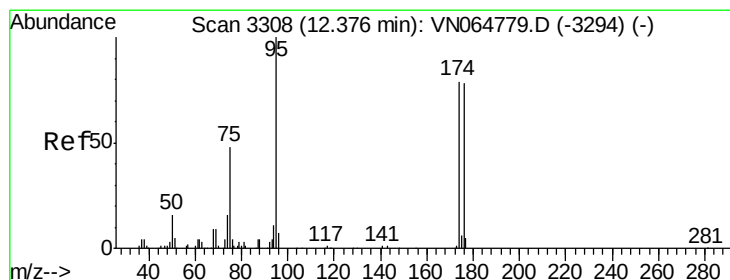
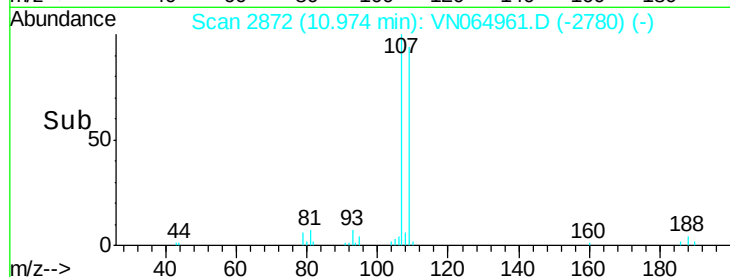
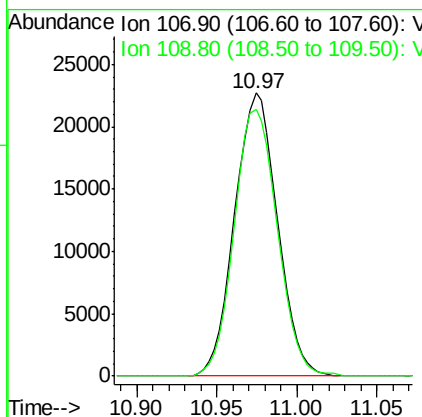
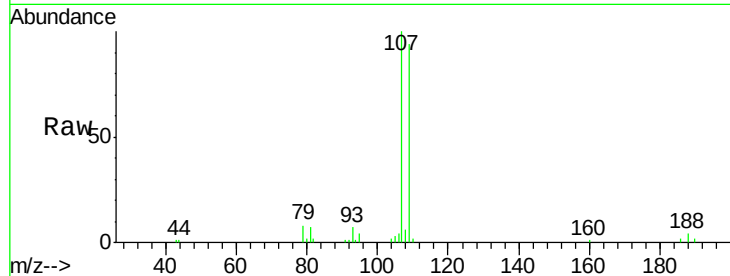
#61
 1,2-Dibromoethane
 Concen: 17.661 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion: 107 Resp: 41384
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.0 114.0

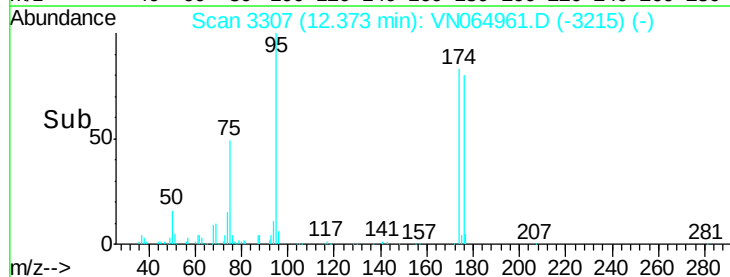
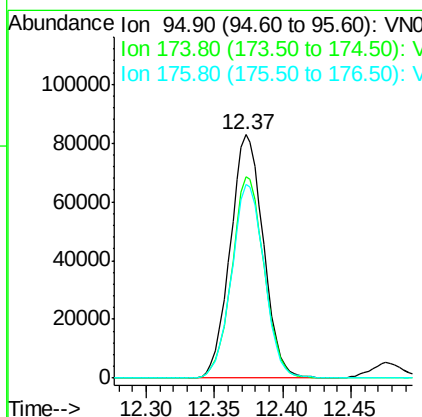
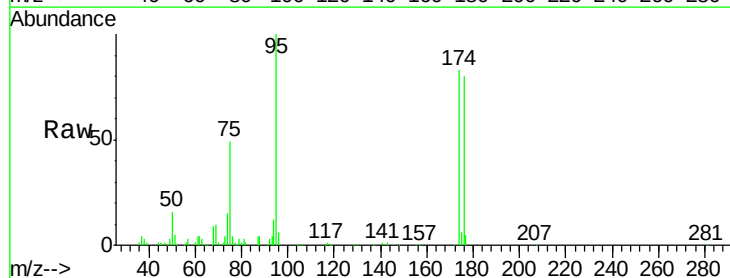
Manual Integrations
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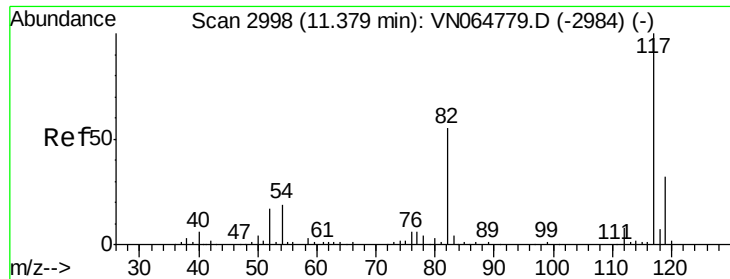
MMDadoda
 12/10/2020 9:55:44 AM



#62
 4-Bromofluorobenzene
 Concen: 49.809 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion: 95 Resp: 139743
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 160.4
 176 78.5 0.0 158.4





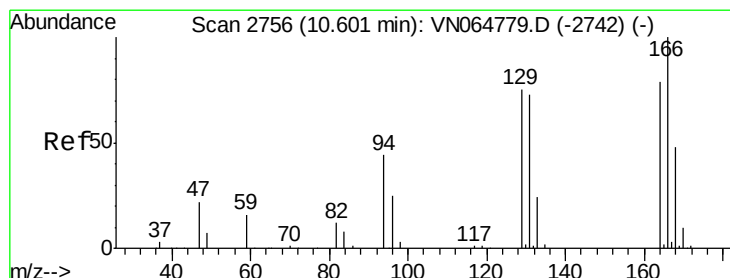
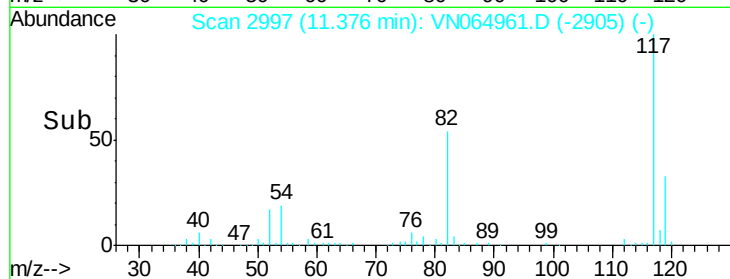
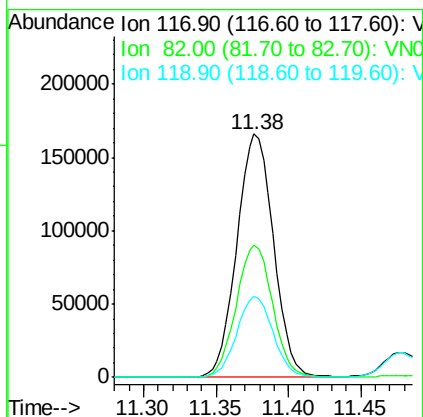
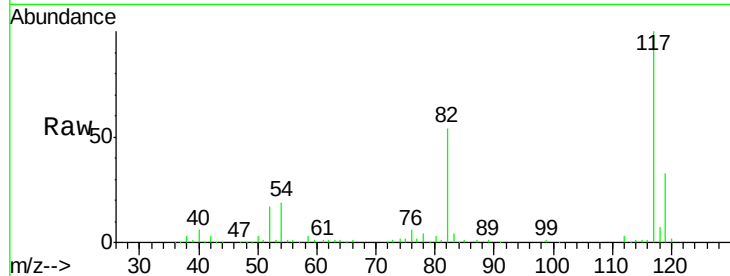
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.2	66.2
119	33.0	25.8	38.6

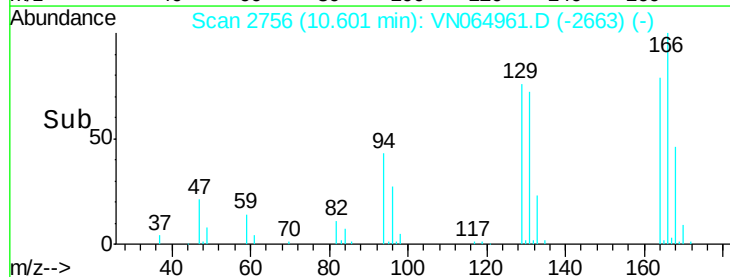
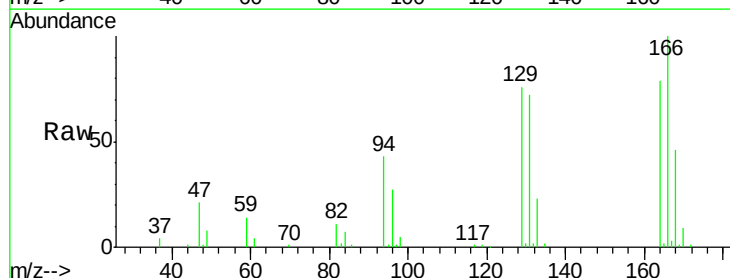
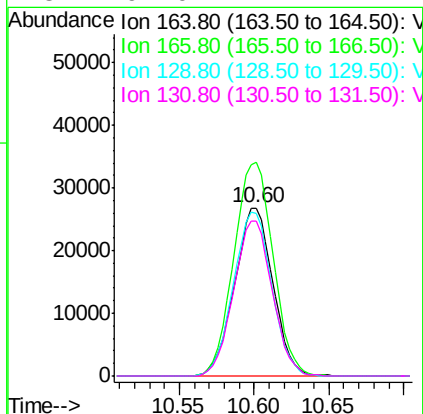
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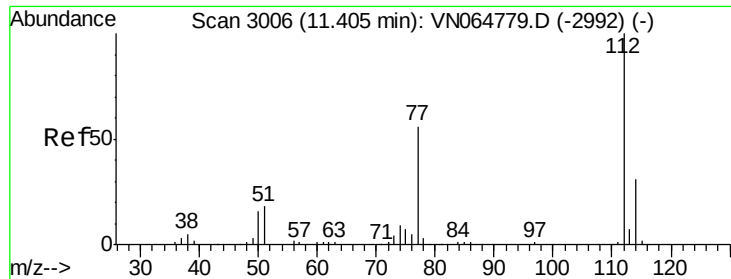
MMDadoda
12/10/2020 9:55:44 AM



#64
Tetrachloroethene
Concen: 16.839 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.4	152.0
129	97.0	76.1	114.1
131	92.0	74.2	111.2





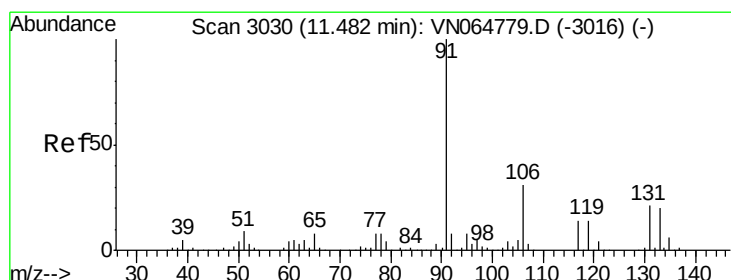
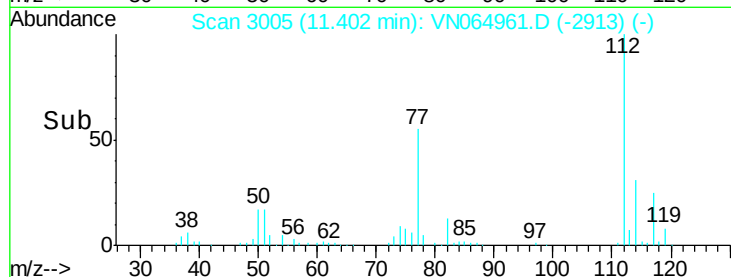
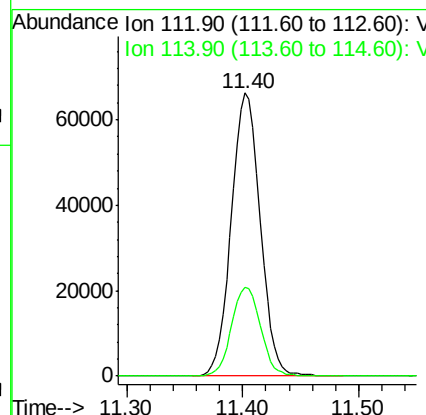
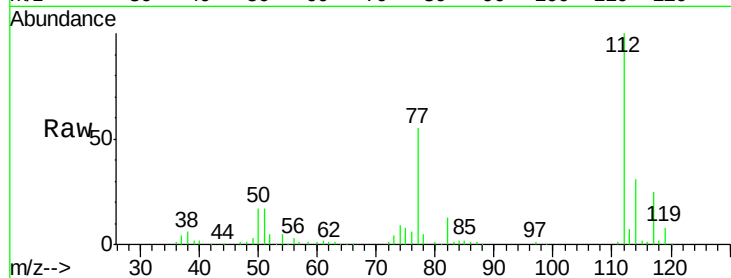
#65
Chlorobenzene
Concen: 18.298 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion:112 Resp: 114775
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7

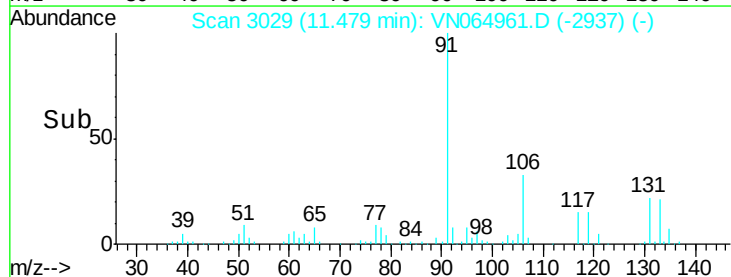
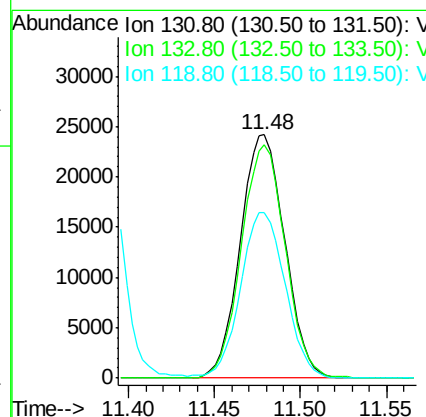
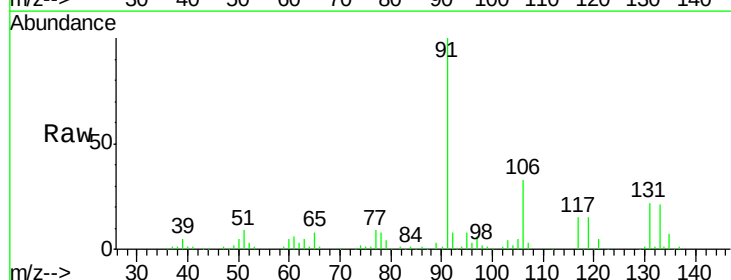
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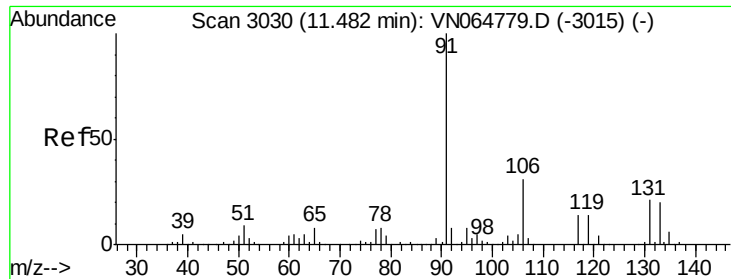
MMDadoda
12/10/2020 9:55:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.907 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion:131 Resp: 43583
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.5
119 68.3 33.3 99.8





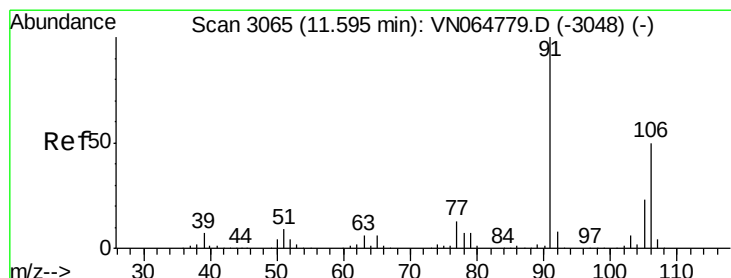
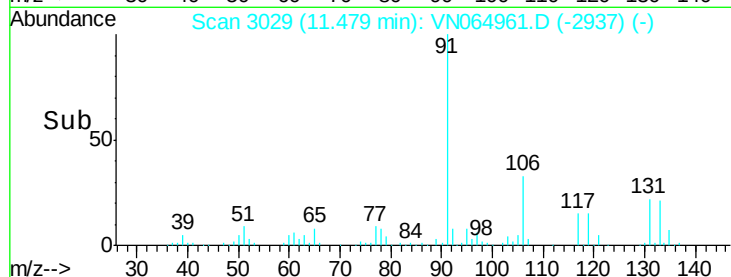
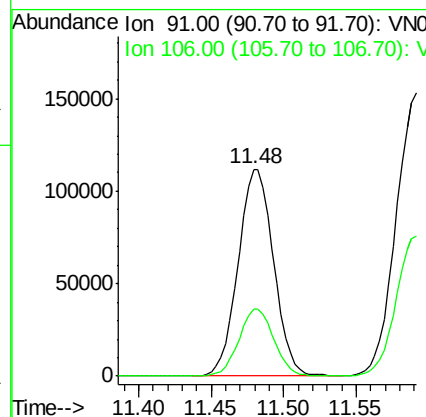
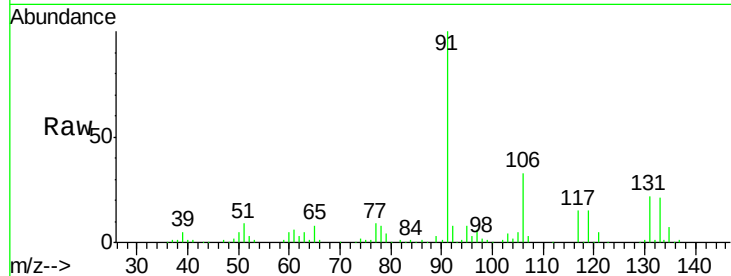
#67
Ethyl Benzene
Concen: 18.137 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion: 91 Resp: 190055
Ion Ratio Lower Upper
91 100
106 32.6 25.2 37.8

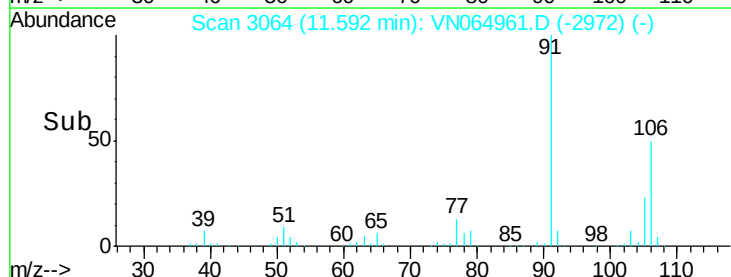
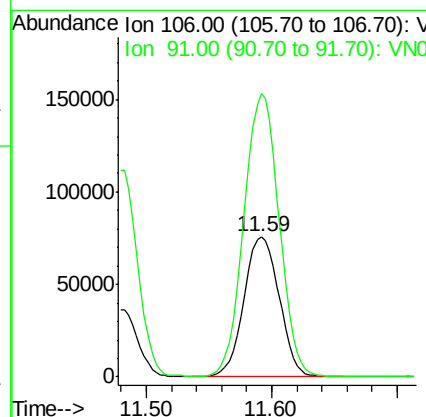
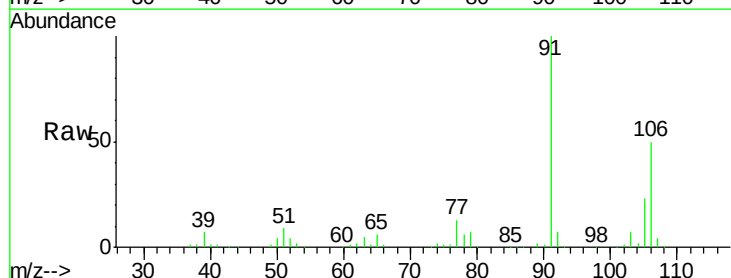
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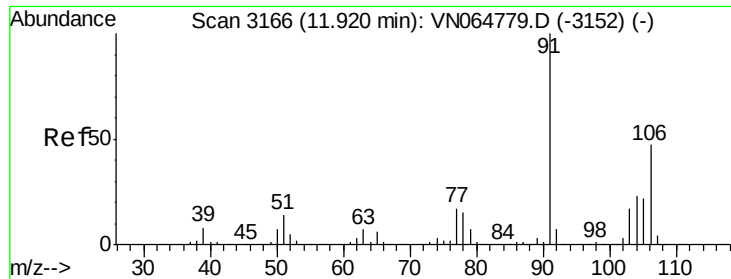
MMDadoda
12/10/2020 9:55:44 AM



#68
m/p-Xylenes
Concen: 37.340 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion: 106 Resp: 148141
Ion Ratio Lower Upper
106 100
91 200.7 161.0 241.4





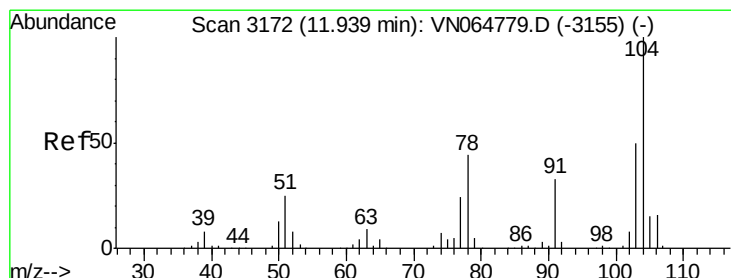
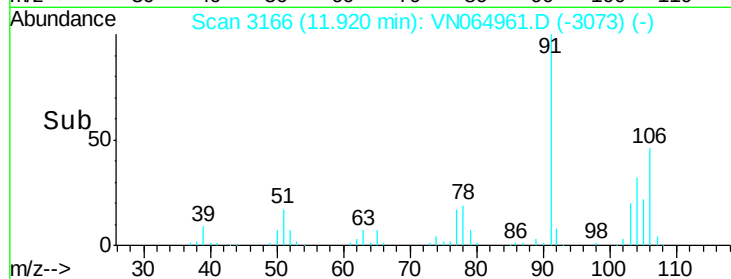
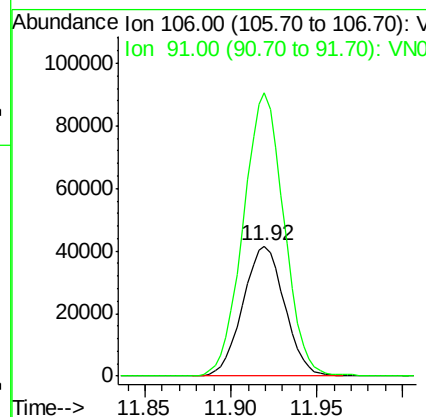
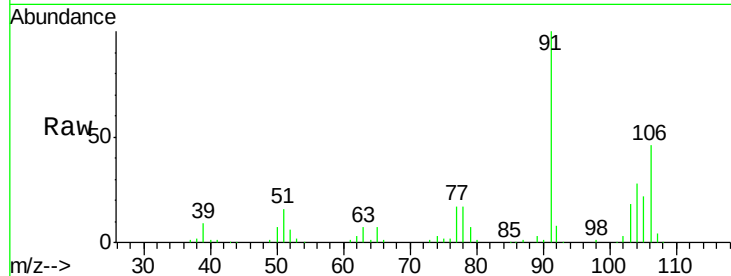
#69
o-Xylene
Concen: 18.593 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion:106 Resp: 70000
Ion Ratio Lower Upper
106 100
91 212.2 105.5 316.5

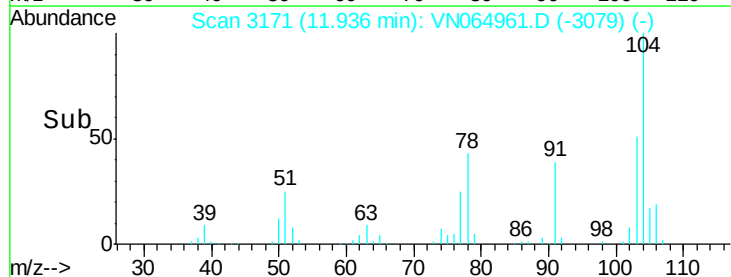
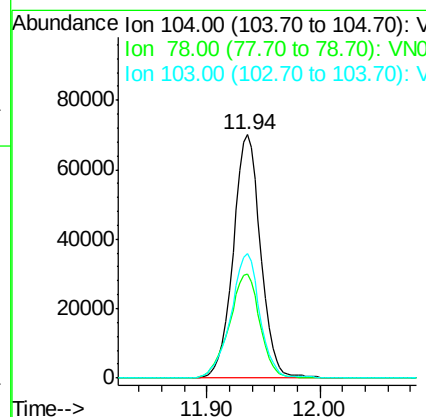
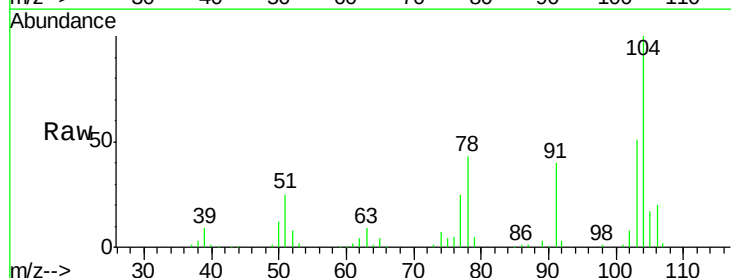
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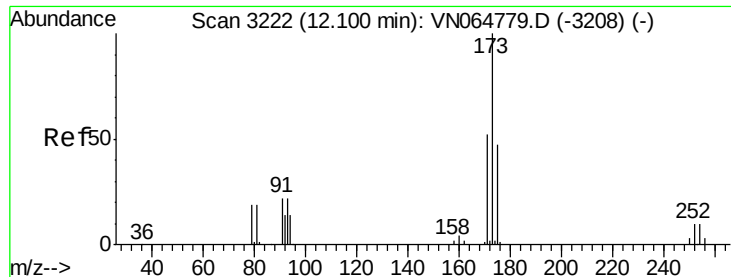
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12/10/2020 9:55:44 AM



#70
Styrene
Concen: 18.594 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion:104 Resp: 118175
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.6
103 53.9 44.3 66.5





#71

Bromoform

Concen: 17.231 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion:173 Resp: 31725

Ion Ratio Lower Upper

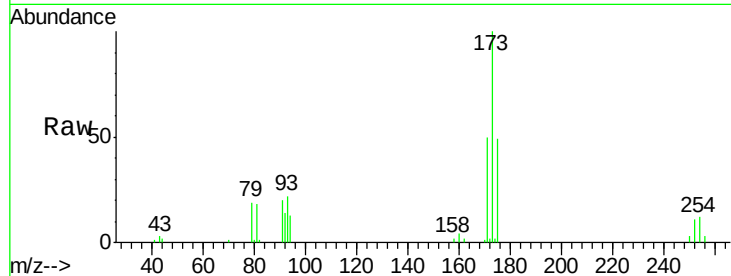
173 100

175 48.8 24.3 72.8

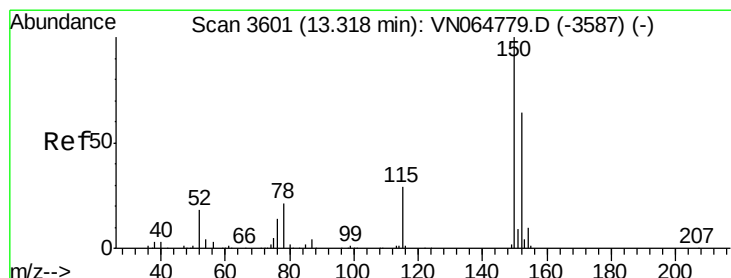
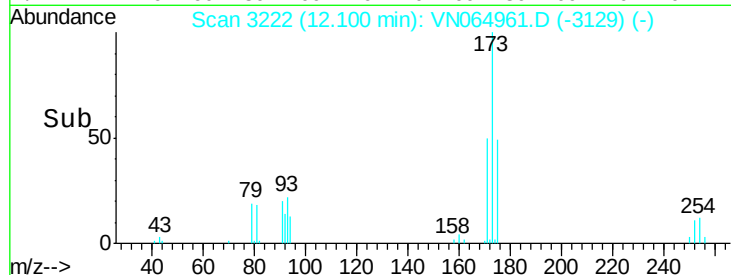
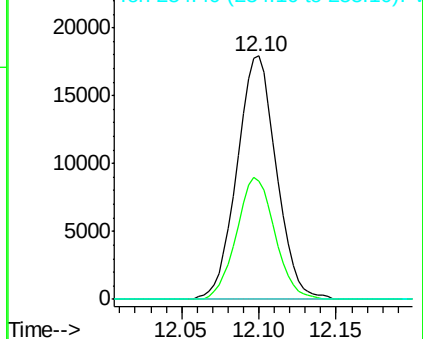
254 0.0 0.0 0.0

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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: VN064961.D

Acq: 8 Dec 2020 11:44

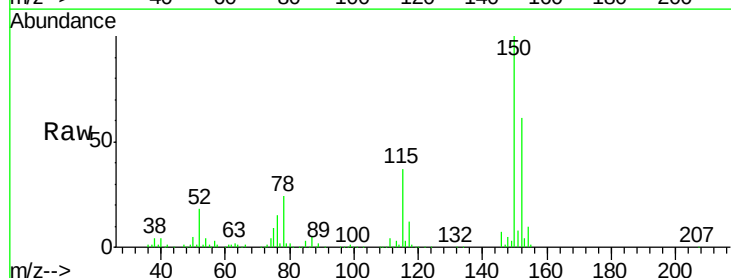
Tgt Ion:152 Resp: 139047

Ion Ratio Lower Upper

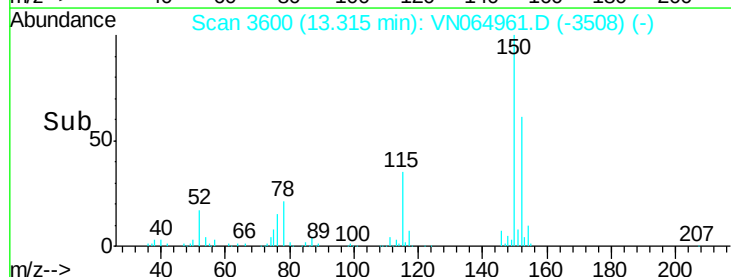
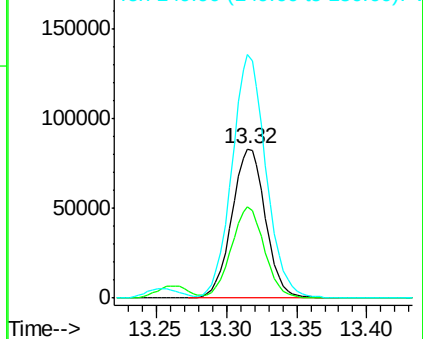
152 100

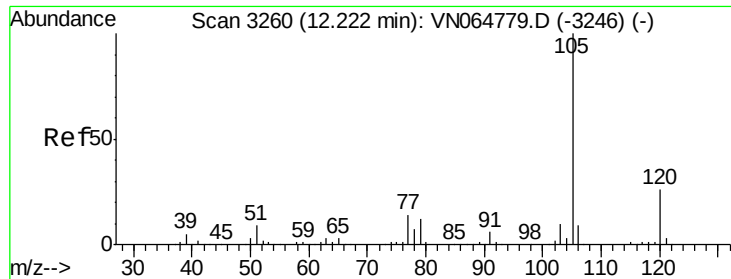
115 59.3 29.7 89.1

150 164.9 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: 19.545 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion: 105 Resp: 189031

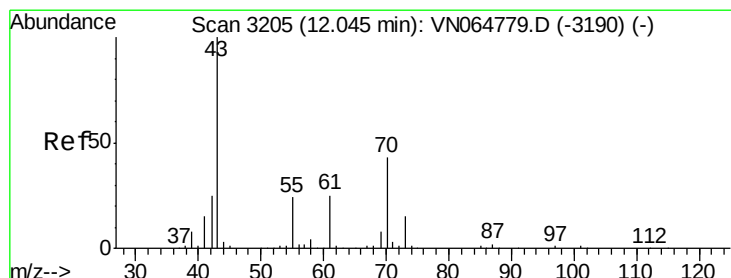
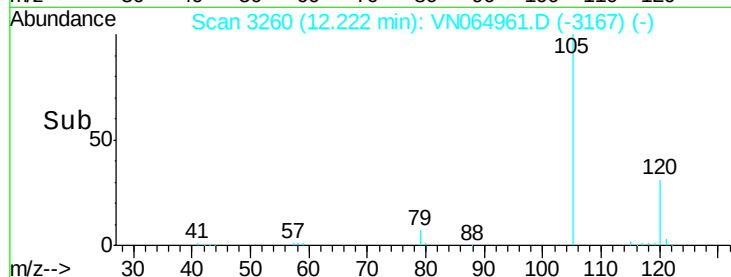
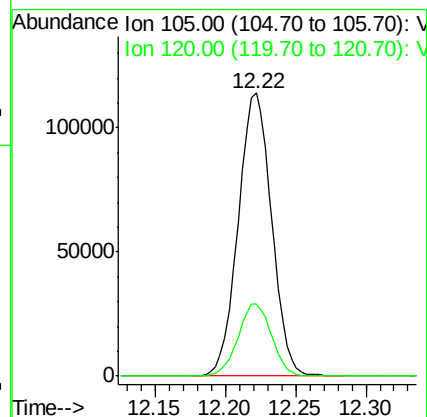
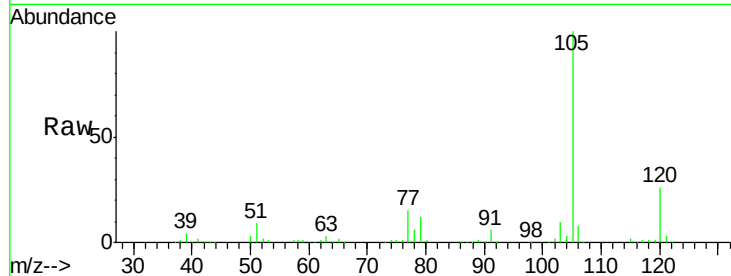
Ion Ratio Lower Upper

105 100

120 25.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 16.845 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion: 43 Resp: 64114

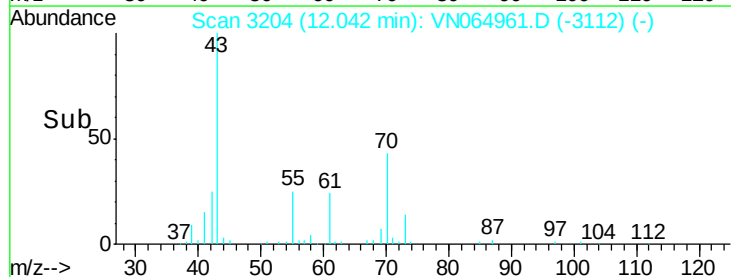
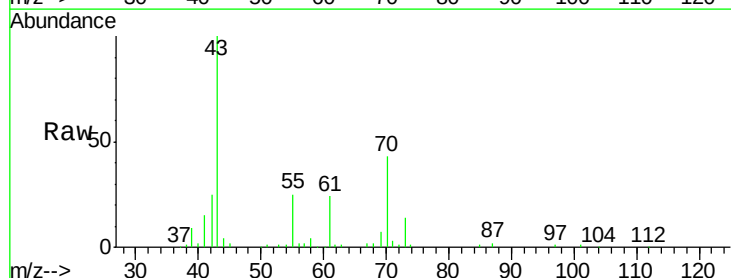
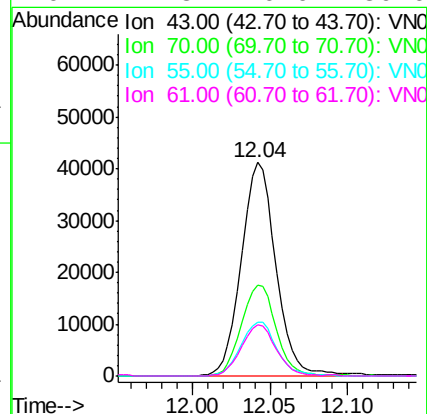
Ion Ratio Lower Upper

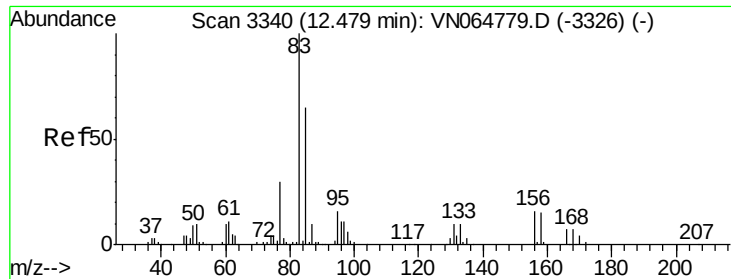
43 100

70 42.9 34.5 51.7

55 26.1 20.4 30.6

61 24.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.610 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

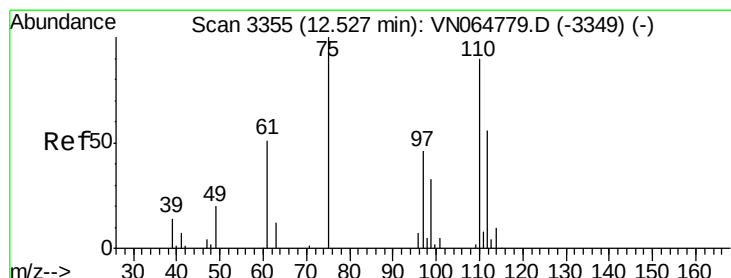
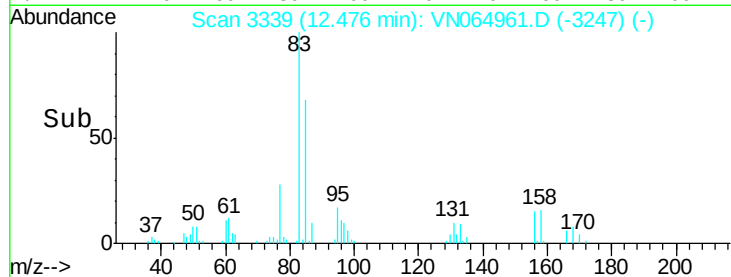
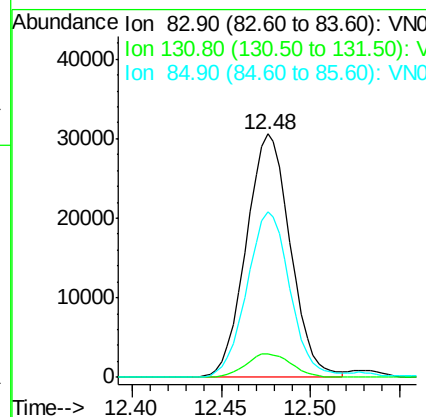
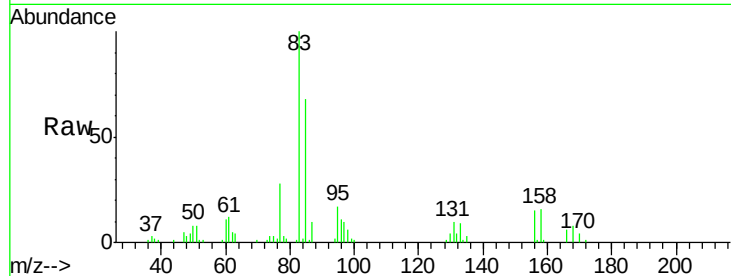
ClientSampleId :

VN1208WBS01

Tot Ion:	83	Resp:	52757
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	66.5	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 17.489 ug/l m

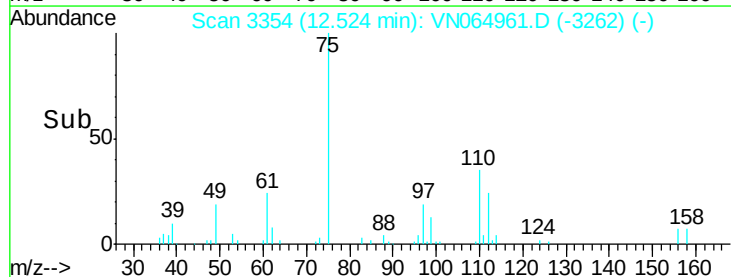
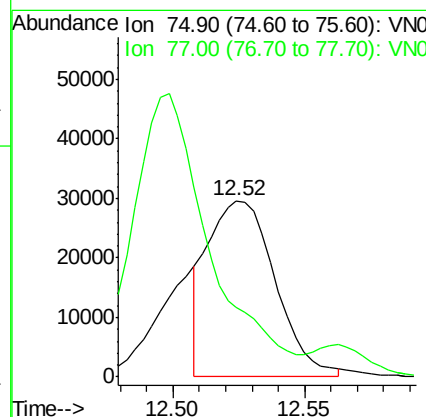
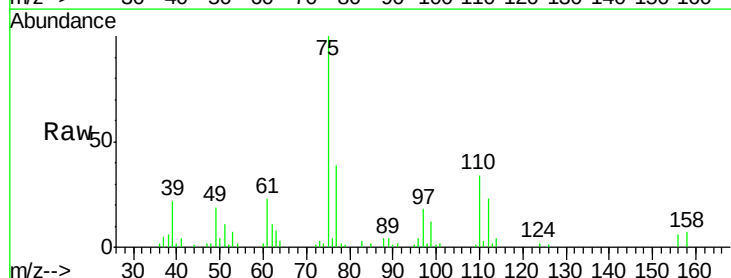
RT: 12.52 min Scan# 3354

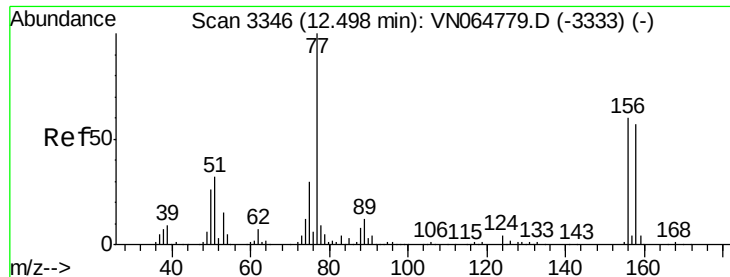
Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	75	Resp:	52370
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.281 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion:156 Resp: 47668

Ion Ratio Lower Upper

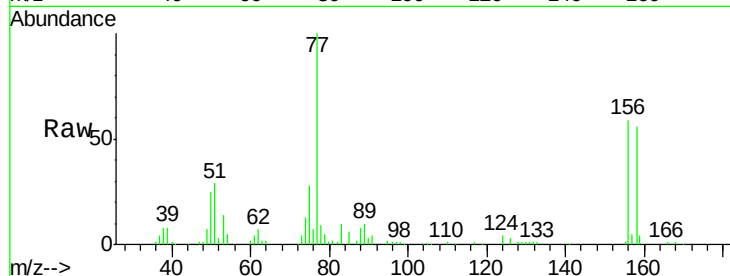
156 100

77 204.7 101.3 303.7

158 98.3 48.2 144.6

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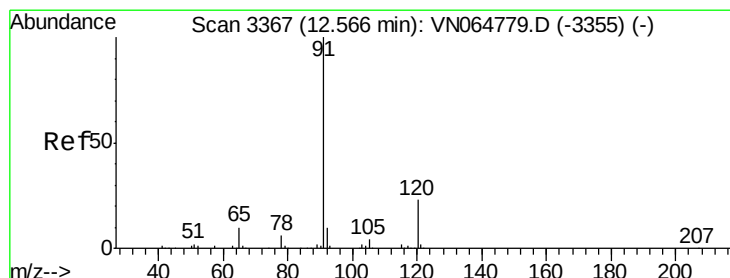
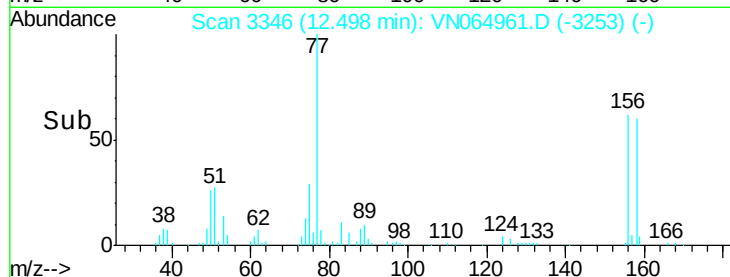
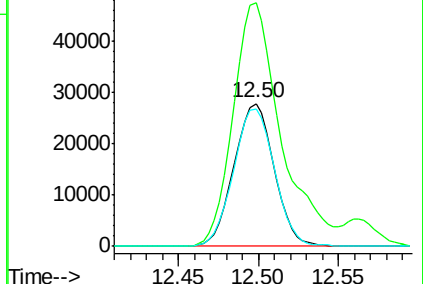
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.761 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064961.D

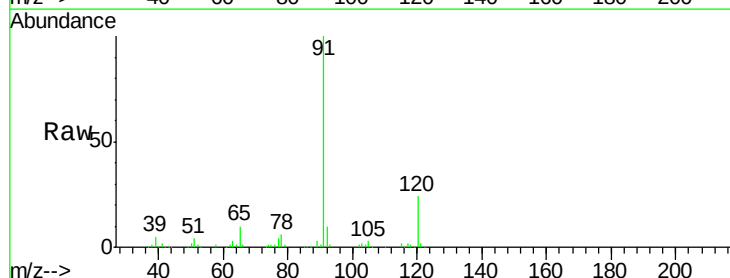
Acq: 8 Dec 2020 11:44

Tgt Ion: 91 Resp: 206710

Ion Ratio Lower Upper

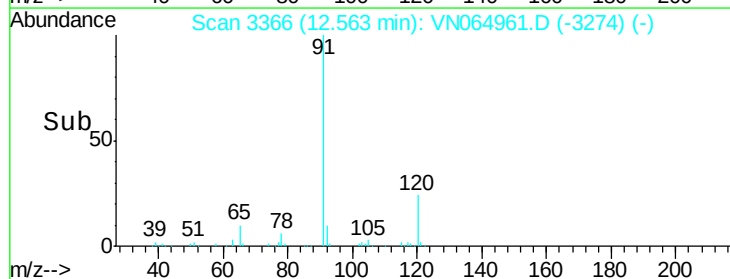
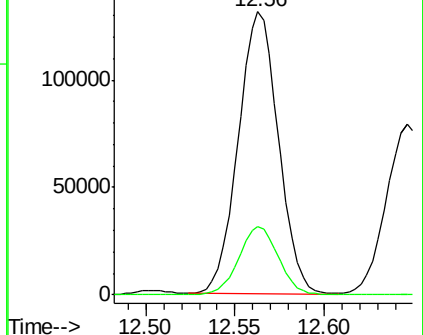
91 100

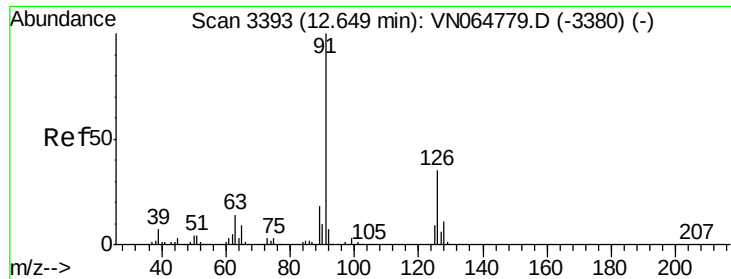
120 23.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.928 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion: 91 Resp: 128911

Ion Ratio Lower Upper

91 100

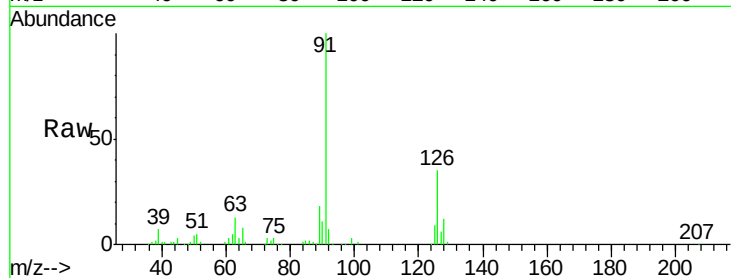
126 35.4 17.2 51.6

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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)

100000

80000

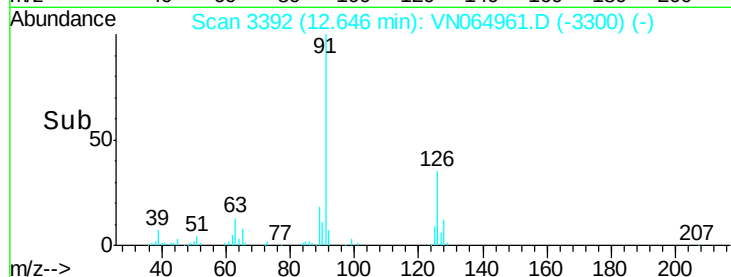
60000

40000

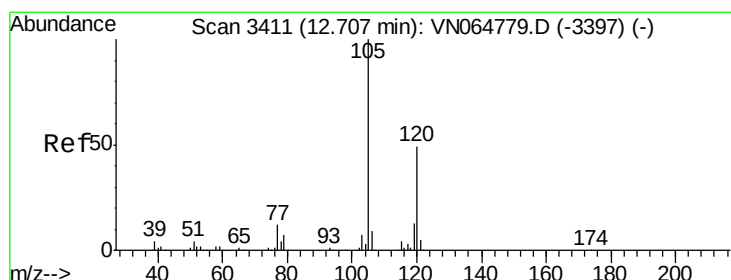
20000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.488 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064961.D

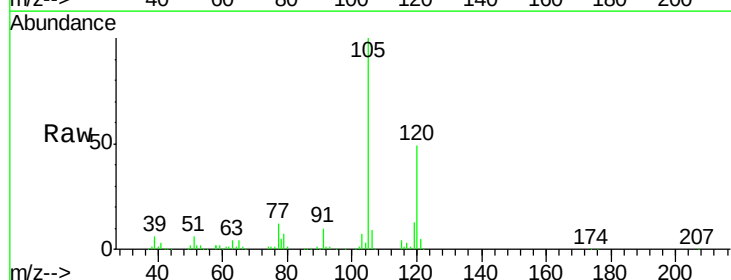
Acq: 8 Dec 2020 11:44

Tgt Ion:105 Resp: 156665

Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

100000

80000

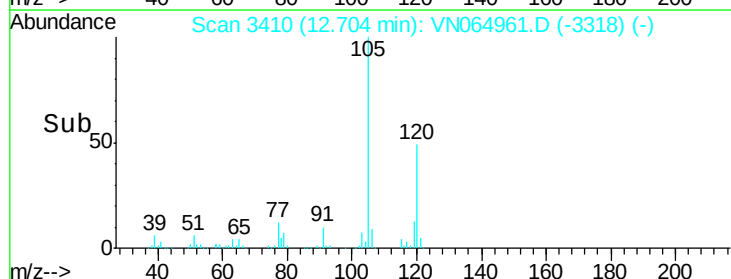
60000

40000

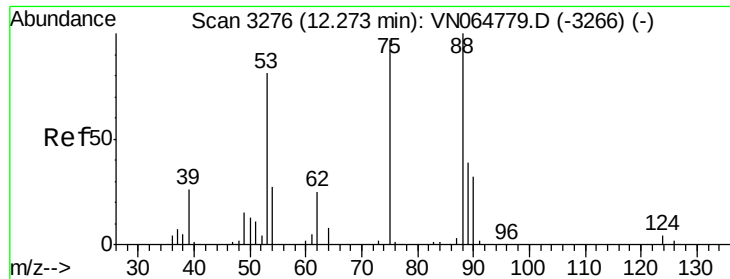
20000

0

12.65 12.70 12.75



Time-->



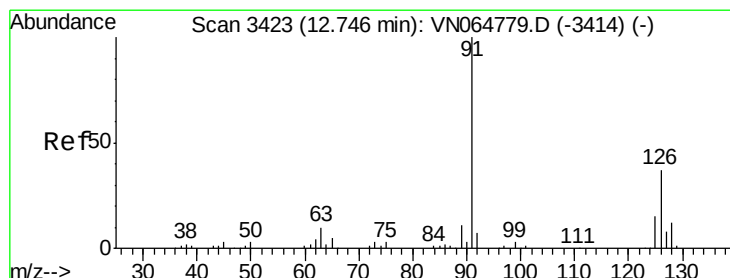
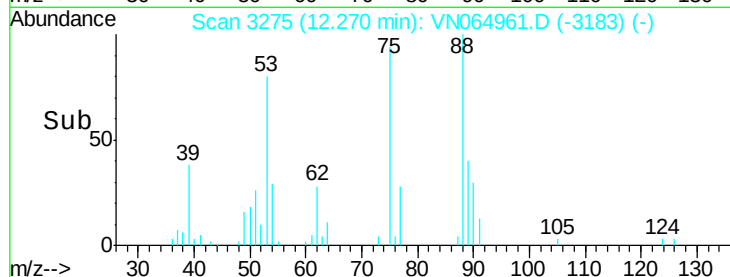
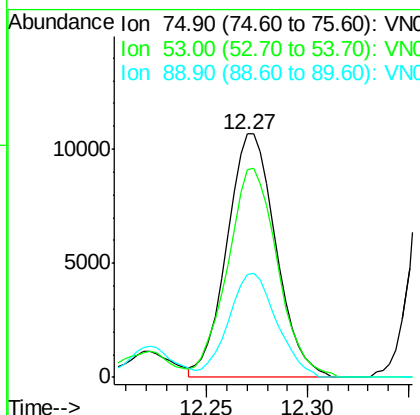
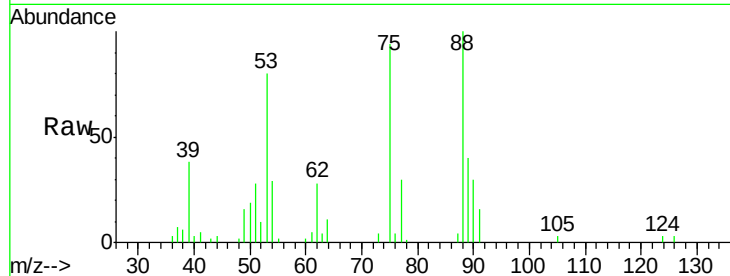
#81
trans-1,4-Dichloro-2-butene
Concen: 16.597 ug/l
RT: 12.27 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN1208WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	67.0	100.4
89	42.2	39.6	59.4

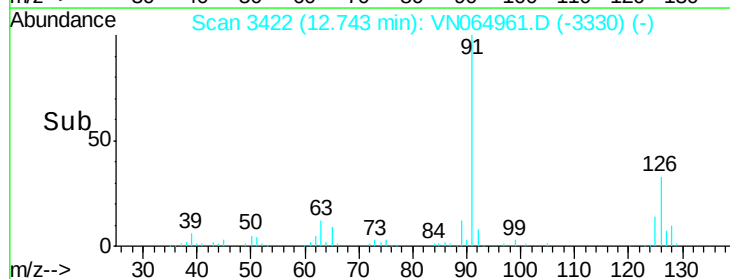
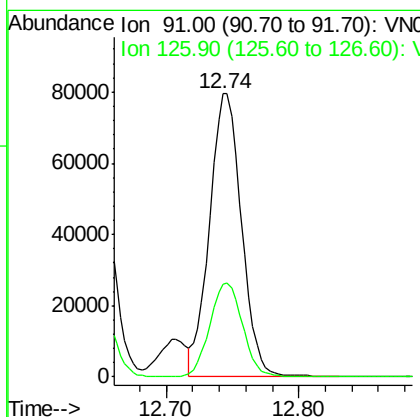
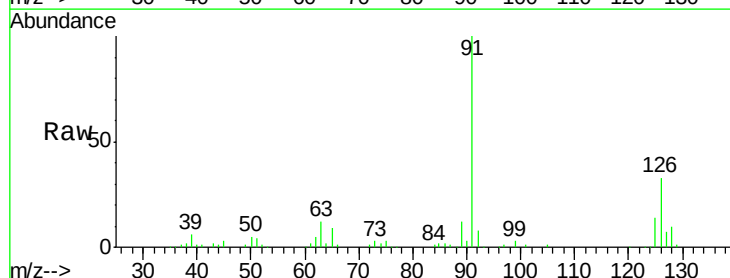
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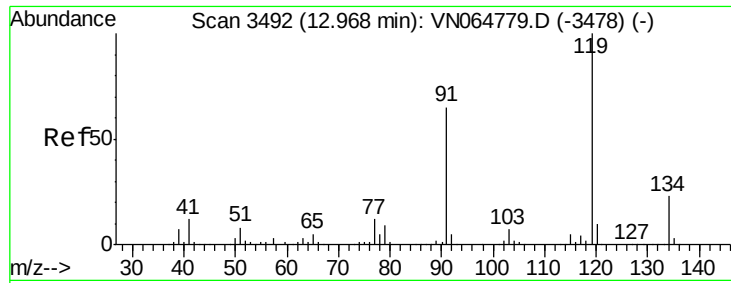
MMDadoda
12/10/2020 9:55:44 AM



#82
4-Chlorotoluene
Concen: 18.680 ug/l
RT: 12.74 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN064961.D
Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.7





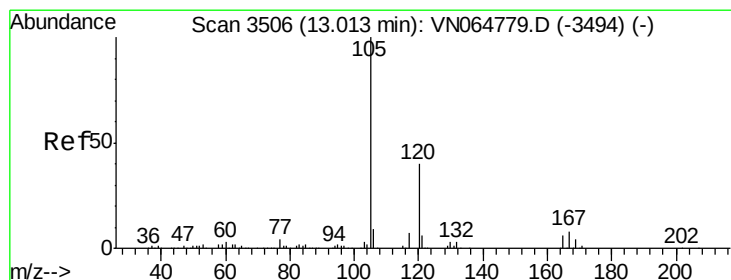
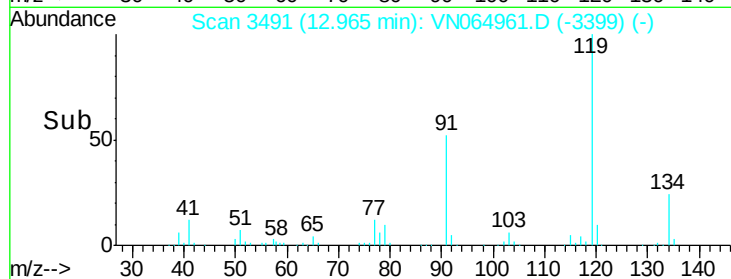
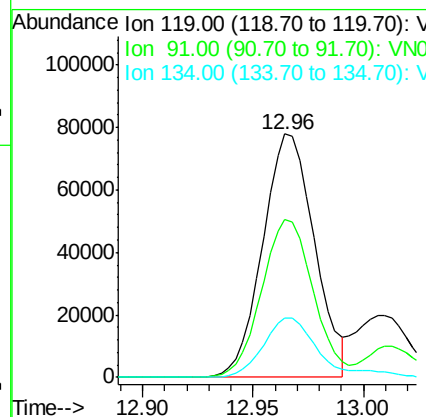
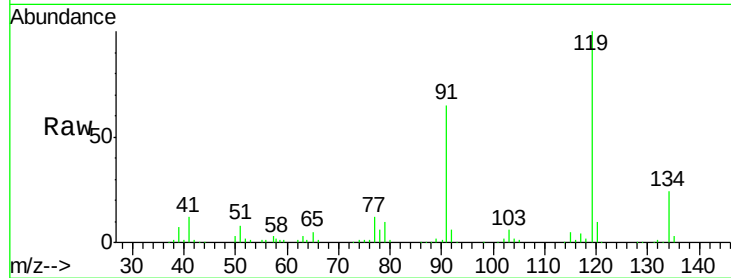
#83
 tert-Butylbenzene
 Concen: 18.836 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.3	96.8
134	24.3	12.6	37.6

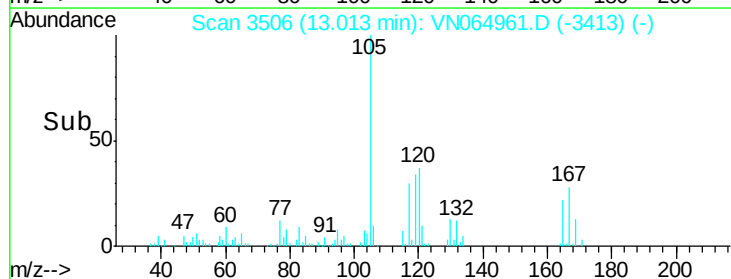
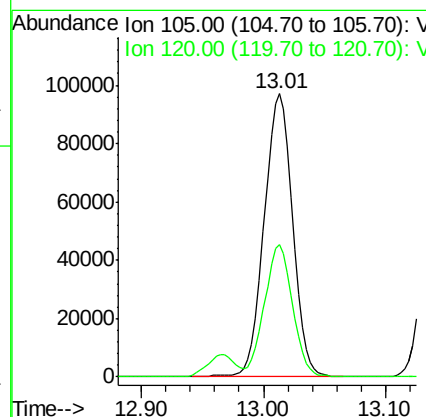
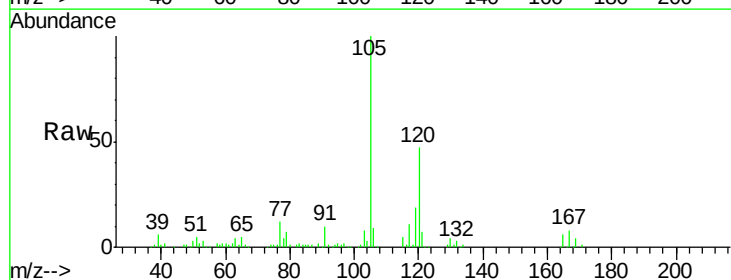
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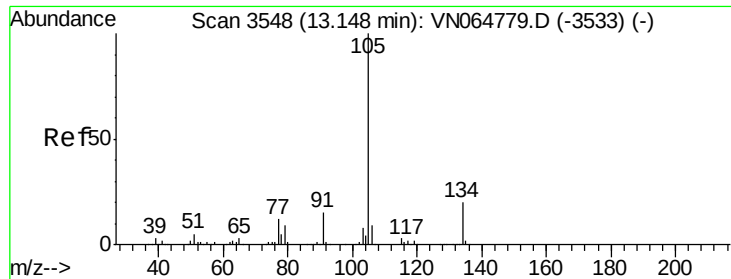
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 12/10/2020 9:55:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.309 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.585 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN1208WBS01

Tot Ion:105 Resp: 166272

Ion Ratio Lower Upper

105 100

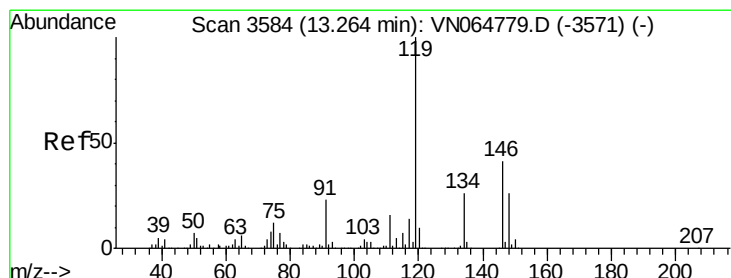
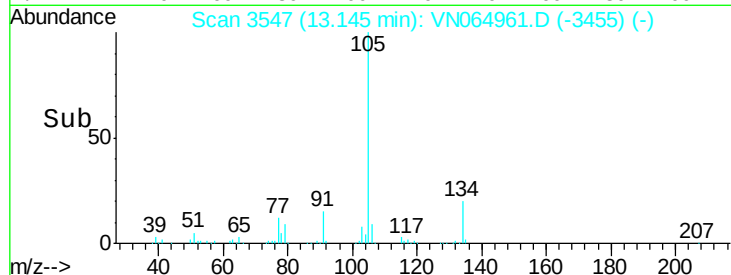
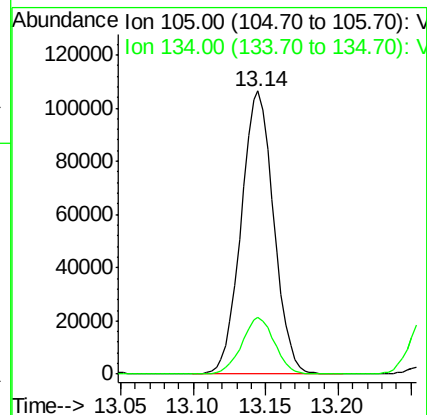
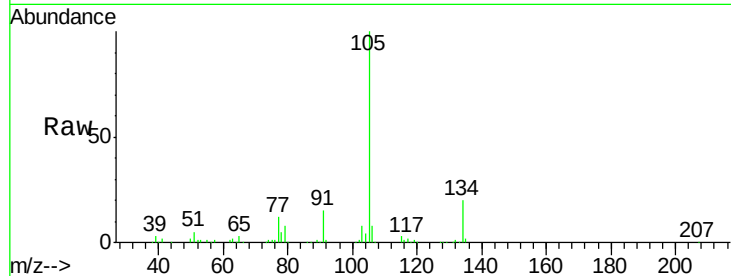
134 20.1 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.977 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

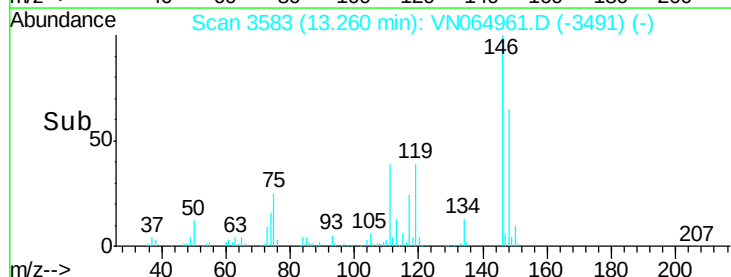
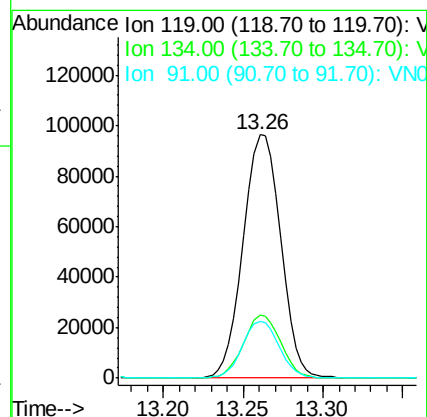
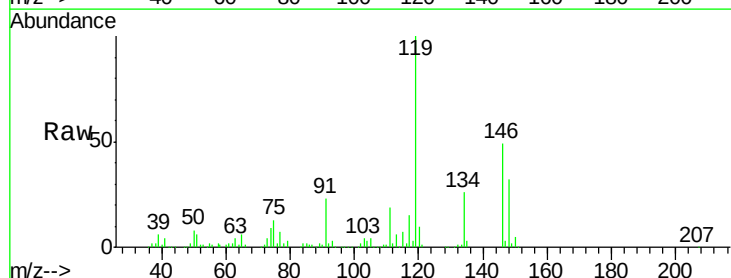
Tgt Ion:119 Resp: 154575

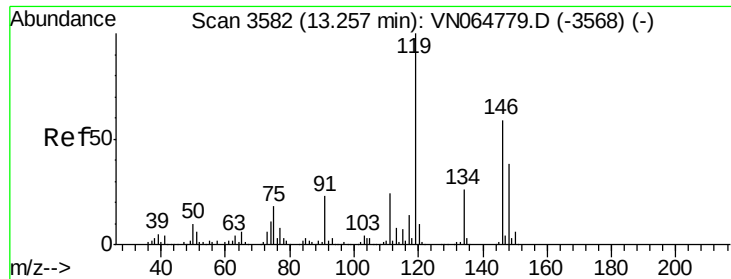
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

91 22.9 11.5 34.5





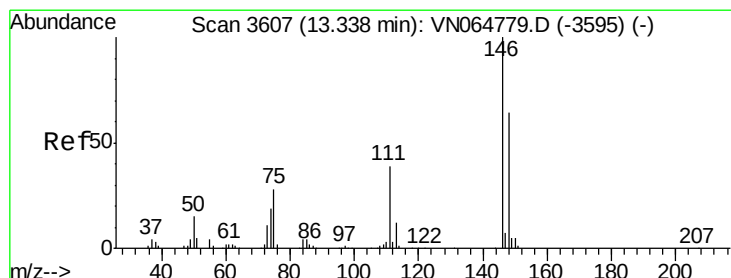
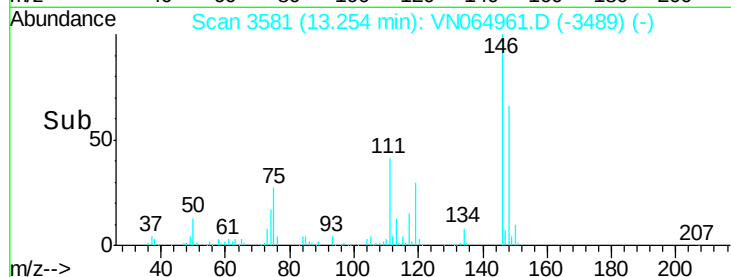
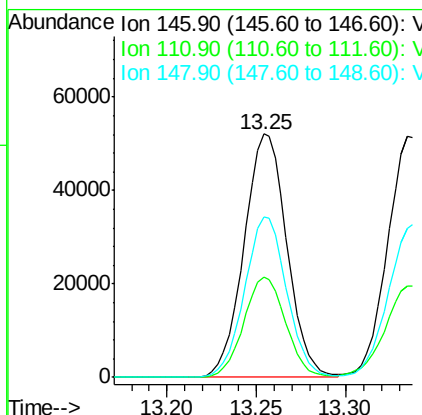
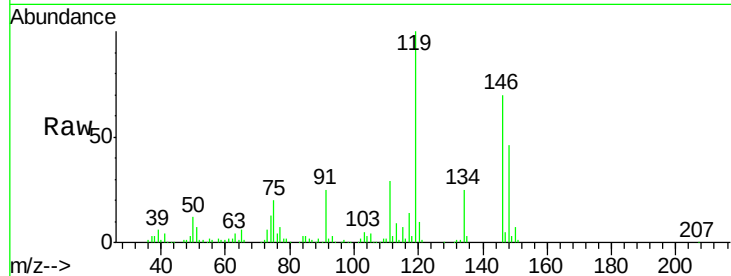
#87
 1,3-Dichlorobenzene
 Concen: 18.837 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.9
148	64.7	31.9	95.5

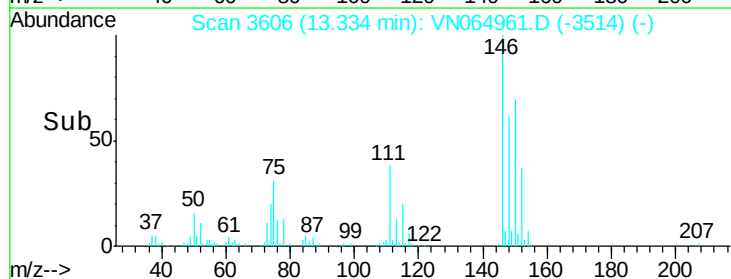
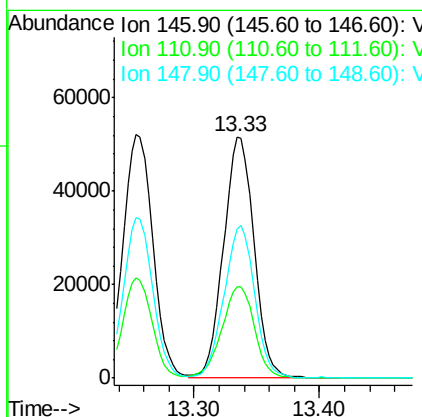
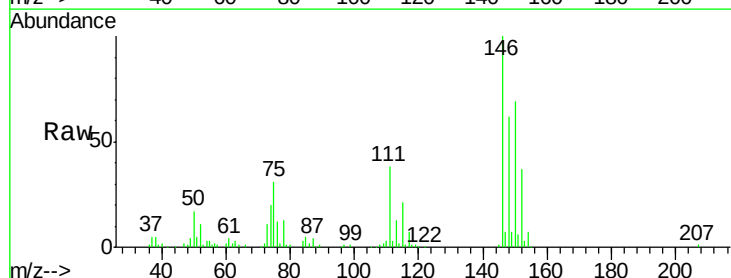
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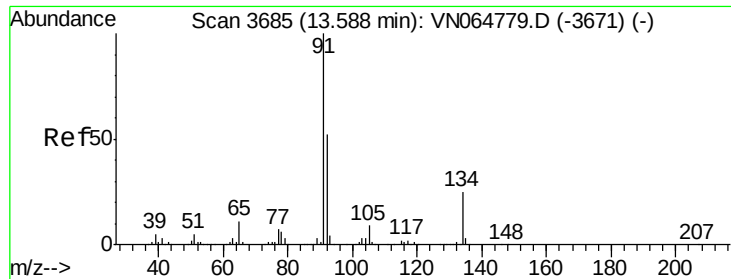
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#88
 1,4-Dichlorobenzene
 Concen: 17.824 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.8	59.3
148	62.8	31.9	95.5





#89

n-Butylbenzene

Concen: 16.986 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

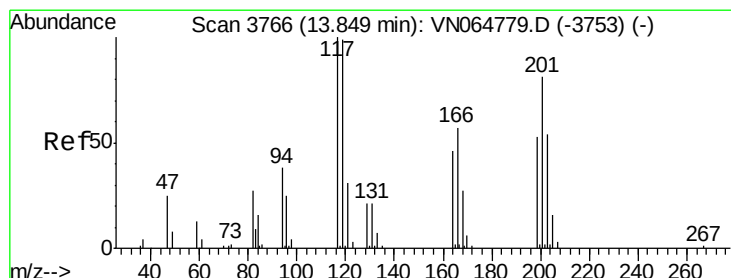
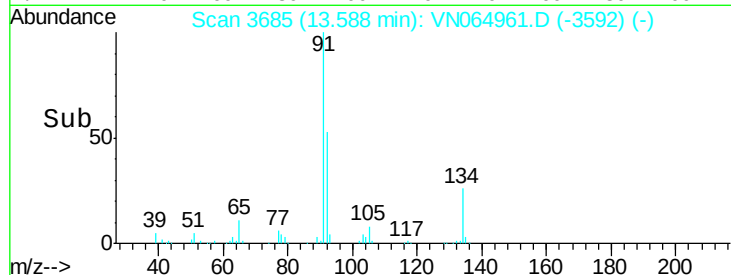
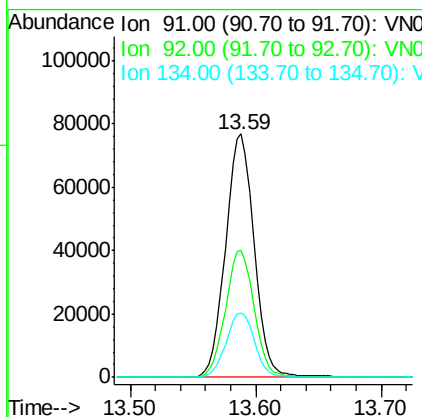
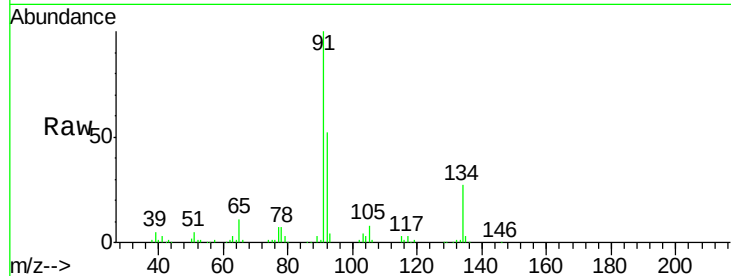
ClientSampleId :

VN1208WBS01

Tot Ion:	91	Resp:	121505
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	26.4	12.9	38.6

Manual Integrations
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12/10/2020 9:55:44 AM



#90

Hexachloroethane

Concen: 19.278 ug/l

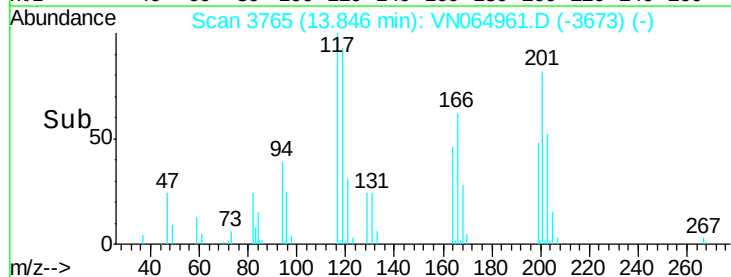
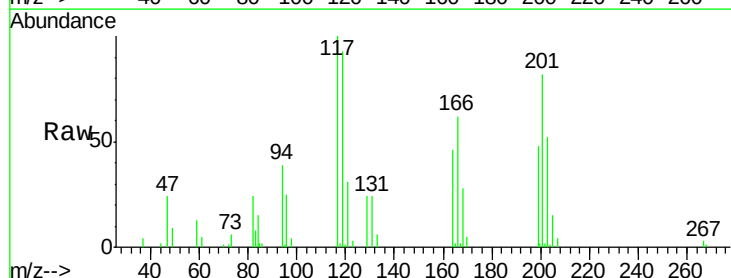
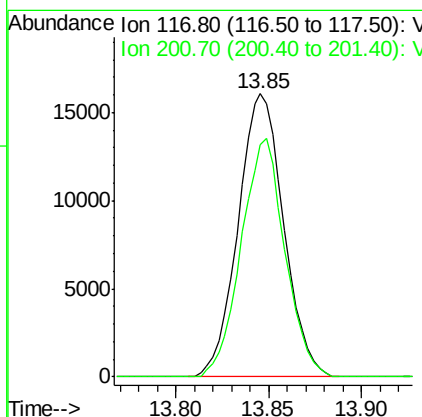
RT: 13.85 min Scan# 3765

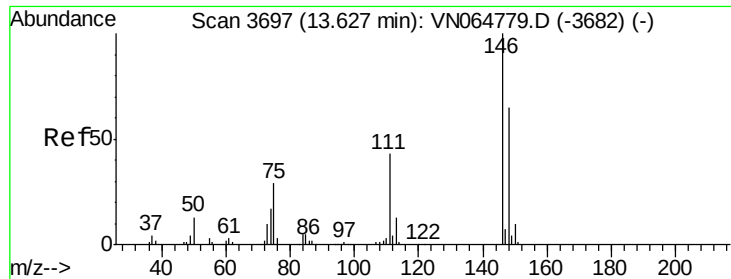
Delta R.T. -0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	117	Resp:	27279
Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.1	120.3





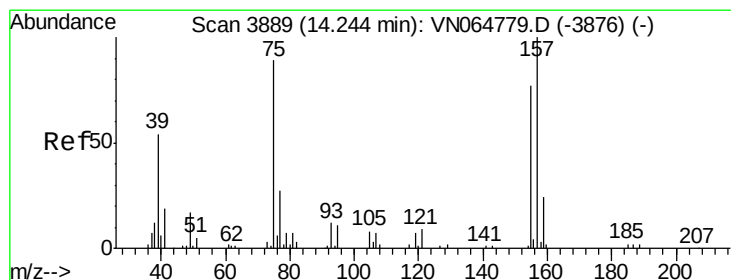
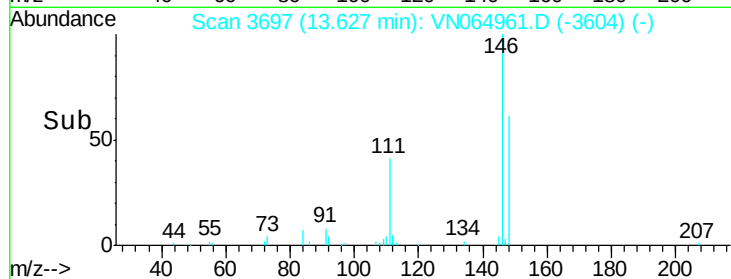
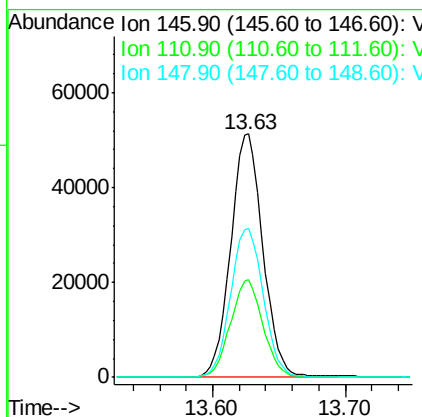
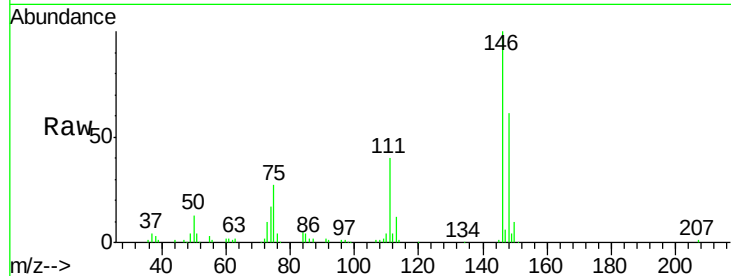
#91
 1,2-Dichlorobenzene
 Concen: 19.067 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.1	63.1
148	62.1	32.0	96.2

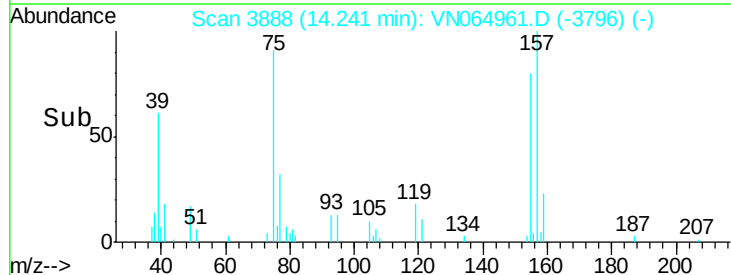
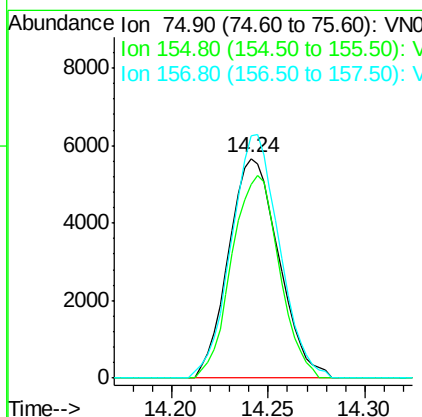
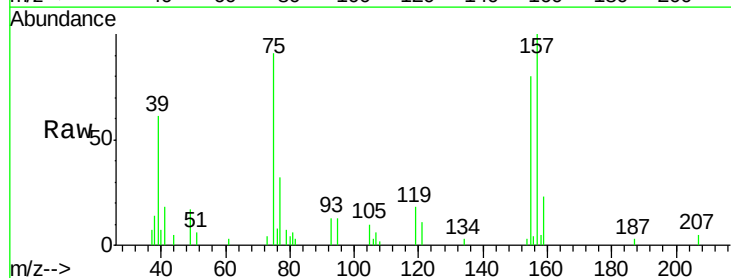
Manual Integrations
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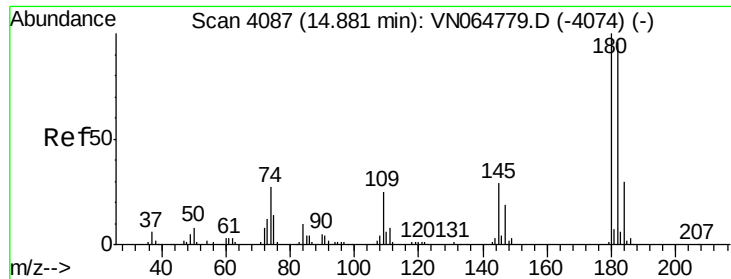
MMDadoda
 12/10/2020 9:55:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.073 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	42.8	128.3
157	106.2	56.4	169.1





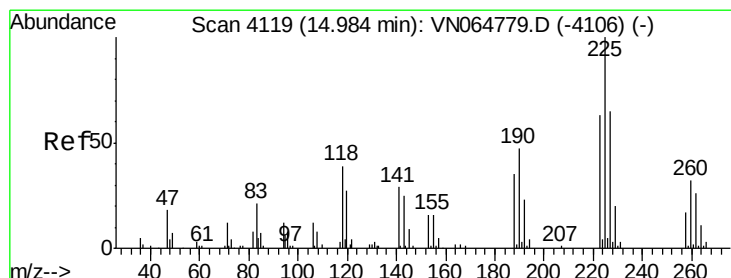
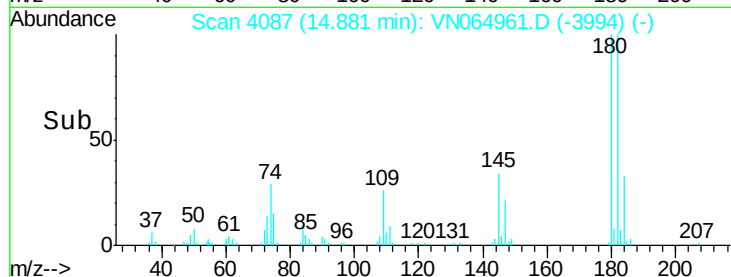
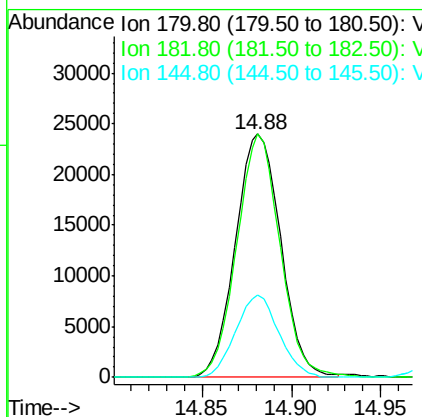
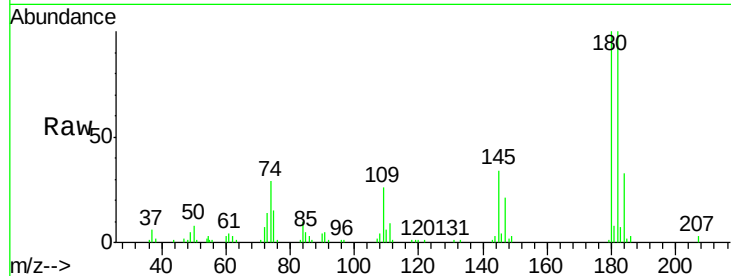
#93
 1,2,4-Trichlorobenzene
 Concen: 15.103 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1208WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	32.3	15.3	45.8

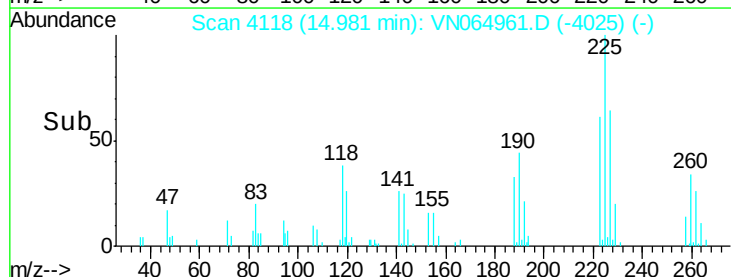
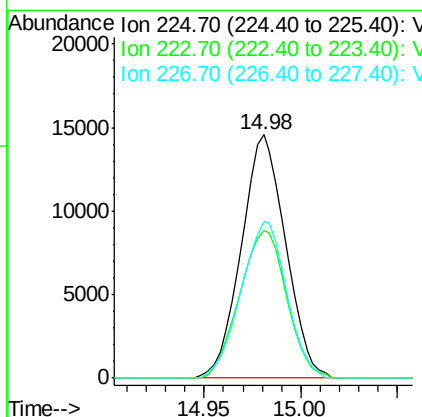
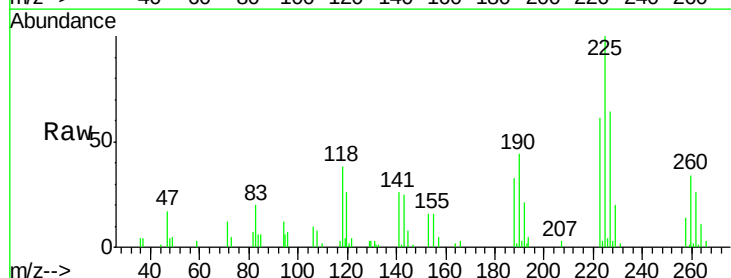
Manual Integrations
 APPROVED

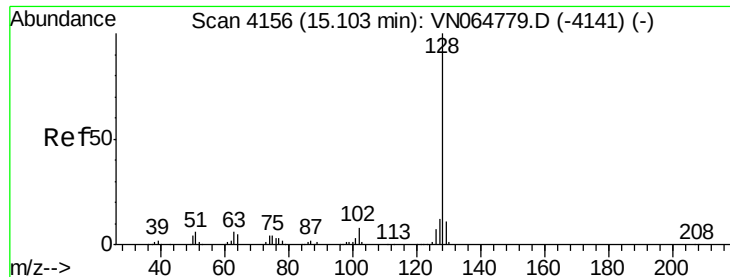
MMDadoda
 12/10/2020 9:55:44 AM



#94
 Hexachlorobutadiene
 Concen: 18.514 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064961.D
 Acq: 8 Dec 2020 11:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.0	93.0
227	66.2	32.0	96.0





#95

Naphthalene

Concen: 13.972 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Instrument :

MSVOA_N

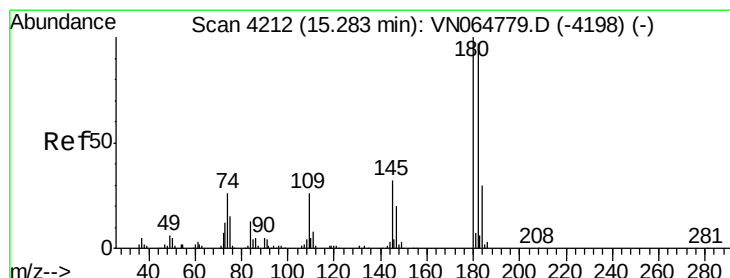
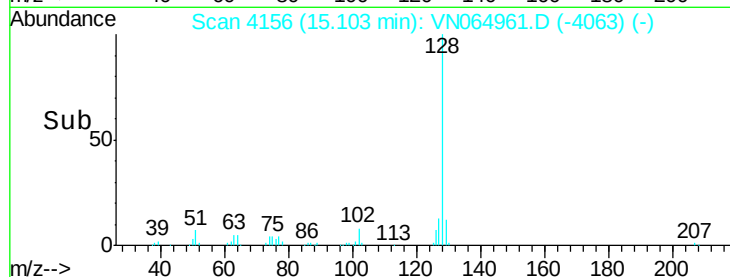
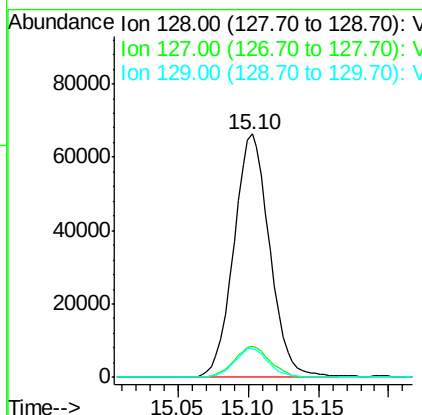
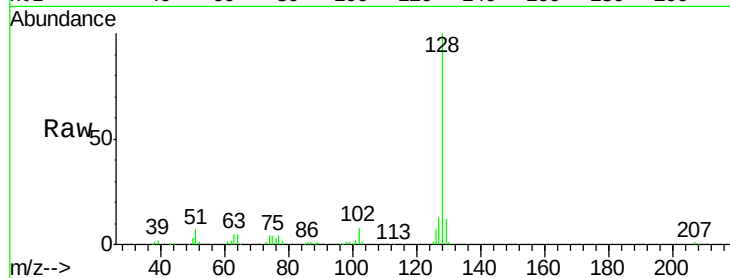
ClientSampleId :

VN1208WBS01

Tot Ion:	128	Resp:	117784
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:55:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 15.910 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064961.D

Acq: 8 Dec 2020 11:44

Tgt Ion:	180	Resp:	39934
Ion Ratio	Lower	Upper	
180	100		
182	98.8	48.1	144.4
145	33.9	16.4	49.1

