

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065012.D
 Acq On : 9 Dec 2020 11:46
 Operator : JC/MD
 Sample : VN1209WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:14:27 AM

Quant Time: Dec 10 04:29:17 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	202512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	312957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	281436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	107013	45.45	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.90%
35) Dibromofluoromethane	7.55	113	94646	50.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.08%
50) Toluene-d8	10.06	98	358432	46.85	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.70%
62) 4-Bromofluorobenzene	12.37	95	126140	46.07	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.14%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	26343	15.009	ug/l	97
3) Chloromethane	2.04	50	35569	15.595	ug/l	100
4) Vinyl Chloride	2.17	62	38694	16.272	ug/l	98
5) Bromomethane	2.53	94	27034	17.328	ug/l	100
6) Chloroethane	2.68	64	24926	16.948	ug/l	100
7) Trichlorofluoromethane	2.99	101	57497	17.492	ug/l	96
8) Diethyl Ether	3.37	74	22529	17.364	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.71	101	36003	18.259	ug/l	99
10) Methyl Iodide	3.91	142	39700	15.522	ug/l	99
11) Tert butyl alcohol	4.74	59	28355	77.227	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	33464	17.041	ug/l	99
13) Acrolein	3.56	56	17226	76.809	ug/l	93
14) Allyl chloride	4.27	41	53673	16.571	ug/l	99
15) Acrylonitrile	4.93	53	85761	84.552	ug/l	98
16) Acetone	3.77	43	84311	108.938	ug/l	98
17) Carbon Disulfide	4.01	76	78402	15.466	ug/l	99
18) Methyl Acetate	4.28	43	42256	18.160	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	109327	17.358	ug/l	97
20) Methylene Chloride	4.50	84	41193	16.986	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	37061	16.995	ug/l	98
22) Diisopropyl ether	5.90	45	120682	18.615	ug/l	99
23) Vinyl Acetate	5.84	43	449589	86.722	ug/l	100
24) 1,1-Dichloroethane	5.79	63	69589	17.961	ug/l	98
25) 2-Butanone	6.78	43	112666	89.803	ug/l	96
26) 2,2-Dichloropropane	6.77	77	59704	17.767	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	42619	17.368	ug/l	99
28) Bromochloromethane	7.15	49	31679	17.873	ug/l	97
29) Tetrahydrofuran	7.16	42	69492	80.242	ug/l	99
30) Chloroform	7.33	83	73136	18.305	ug/l	99
31) Cyclohexane	7.61	56	53603	16.336	ug/l #	96
32) 1,1,1-Trichloroethane	7.53	97	62137	18.107	ug/l	99
36) 1,1-Dichloropropene	7.75	75	50830	17.523	ug/l	99
37) Ethyl Acetate	6.88	43	44972	16.095	ug/l	99
38) Carbon Tetrachloride	7.73	117	55228	18.298	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51188	16.392	ug/l	97
40) Benzene	8.00	78	159866	17.985	ug/l	100
41) Methacrylonitrile	7.13	41	20919	16.225	ug/l	94
42) 1,2-Dichloroethane	8.08	62	53508	17.844	ug/l	99
43) Isopropyl Acetate	8.13	43	77678	17.276	ug/l	98
44) Trichloroethene	8.80	130	45195	17.232	ug/l	99
45) 1,2-Dichloropropane	9.08	63	43285	18.803	ug/l	98
46) Dibromomethane	9.17	93	28248	18.368	ug/l	97
47) Bromodichloromethane	9.37	83	57643	18.628	ug/l	99
48) Methyl methacrylate	9.16	41	35029	16.304	ug/l	97
49) 1,4-Dioxane	9.16	88	13316	327.925	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	230176	85.271	ug/l	100
52) Toluene	10.12	92	102261	18.680	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	60605	17.584	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	66677	18.049	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	41435	18.407	ug/l	98
56) Ethyl methacrylate	10.40	69	54496	17.543	ug/l	99
57) 1,3-Dichloropropane	10.68	76	68738	18.511	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	140362	82.144	ug/l	98
59) 2-Hexanone	10.72	43	167645	86.296	ug/l	97
60) Dibromochloromethane	10.87	129	46484	18.577	ug/l	97
61) 1,2-Dibromoethane	10.97	107	41107	17.974	ug/l	98
64) Tetrachloroethene	10.60	164	46267	16.898	ug/l	99
65) Chlorobenzene	11.40	112	111554	18.458	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	43288	19.489	ug/l	99
67) Ethyl Benzene	11.48	91	179766	17.805	ug/l	97
68) m/p-Xylenes	11.59	106	143140	37.446	ug/l	100
69) o-Xylene	11.92	106	68000	18.746	ug/l	98
70) Styrene	11.94	104	114648	18.722	ug/l	98
71) Bromoform	12.10	173	31282	17.634	ug/l #	99
73) Isopropylbenzene	12.22	105	180264	19.039	ug/l	100
74) N-amyl acetate	12.04	43	61531	16.513	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	53067	19.122	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	54626m	18.634	ug/l	
77) Bromobenzene	12.50	156	46919	18.380	ug/l	98
78) n-propylbenzene	12.56	91	200538	18.592	ug/l	99
79) 2-Chlorotoluene	12.65	91	125198	18.777	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	153592	19.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	17999	16.828	ug/l	94
82) 4-Chlorotoluene	12.75	91	129588	18.542	ug/l	99
83) tert-Butylbenzene	12.96	119	122960	18.640	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	152897	19.215	ug/l	99
85) sec-Butylbenzene	13.14	105	163876	18.710	ug/l	99
86) p-Isopropyltoluene	13.26	119	150631	18.890	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	83891	18.498	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	85463	17.819	ug/l	99
89) n-Butylbenzene	13.59	91	120053	17.144	ug/l	99
90) Hexachloroethane	13.85	117	26553	19.168	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	82868	18.609	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	9791	15.680	ug/l	98

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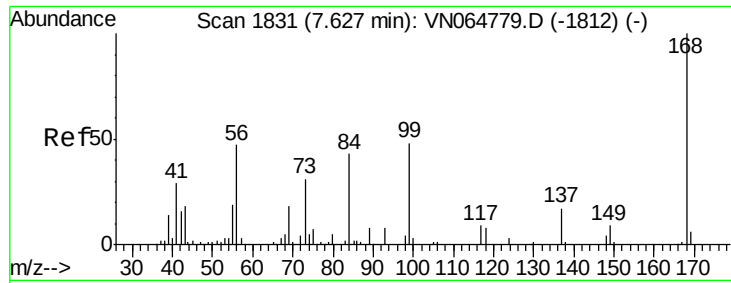
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	41025	14.893	ug/l	99
94) Hexachlorobutadiene	14.98	225	23652	19.297	ug/l	97
95) Naphthalene	15.10	128	112991	13.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	40131	16.295	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: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion:168 Resp: 202512

Ion Ratio Lower Upper

168 100

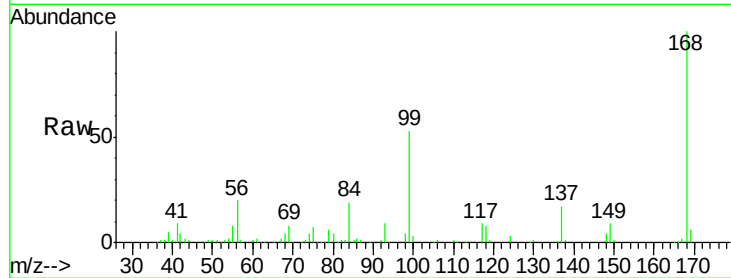
99 52.5 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

80000

60000

40000

20000

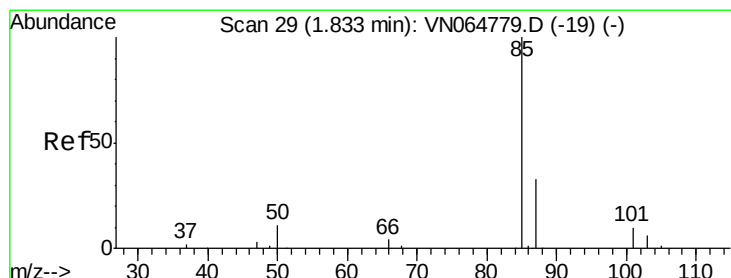
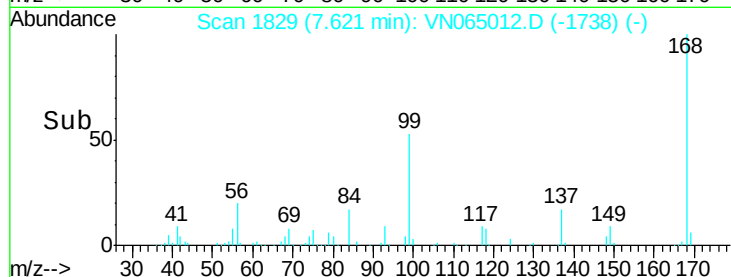
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.009 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065012.D

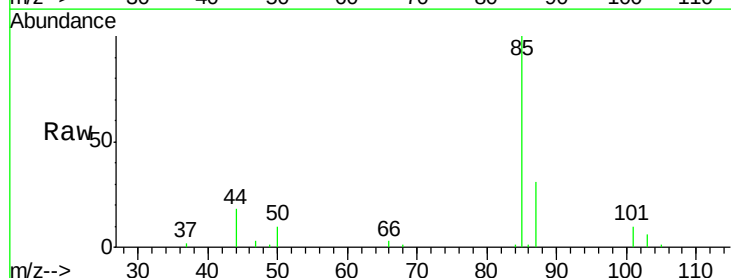
Acq: 9 Dec 2020 11:46

Tgt Ion: 85 Resp: 26343

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

20000

15000

10000

5000

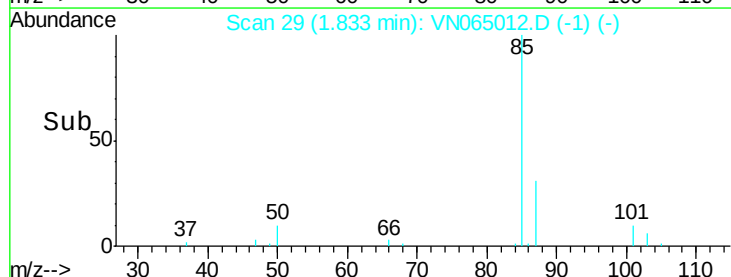
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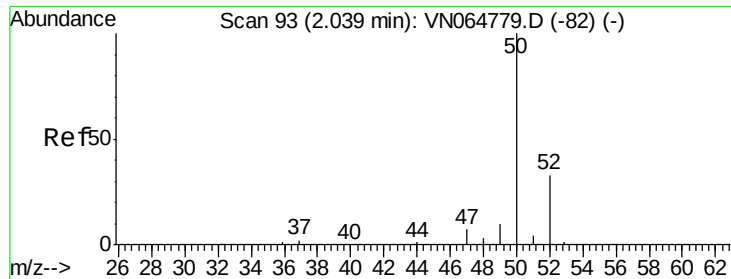
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 15.595 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion: 50 Resp: 35569

Ion Ratio Lower Upper

50 100

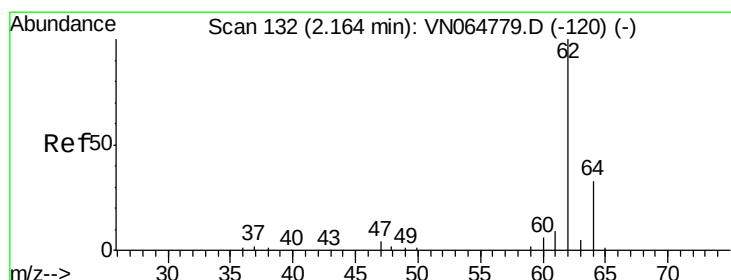
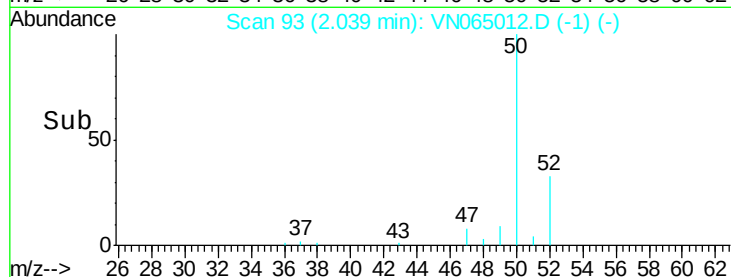
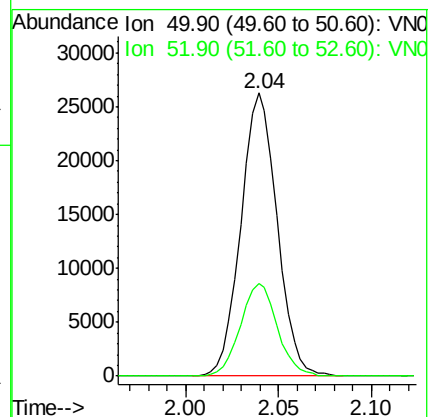
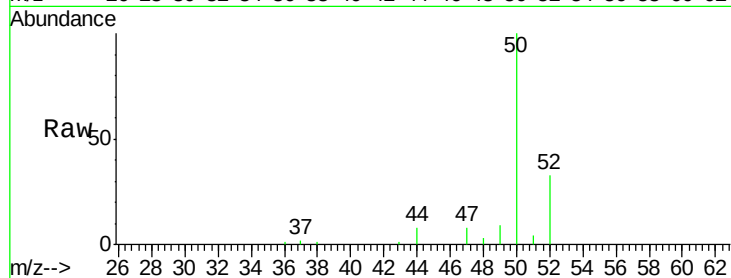
52 33.0 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.272 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065012.D

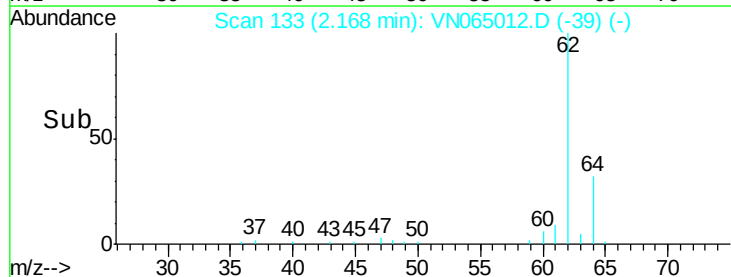
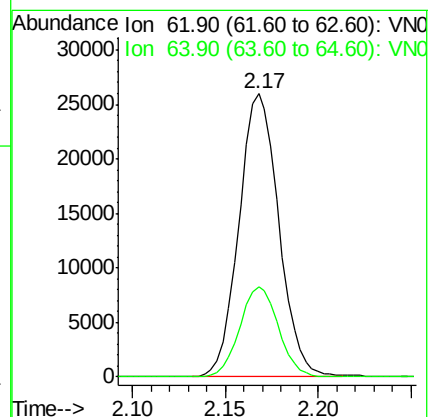
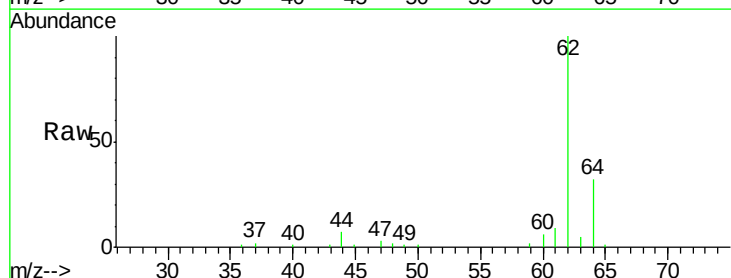
Acq: 9 Dec 2020 11:46

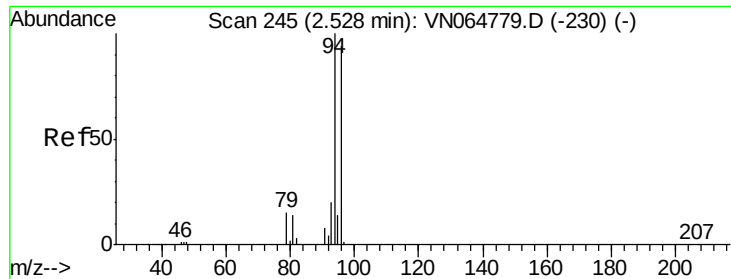
Tgt Ion: 62 Resp: 38694

Ion Ratio Lower Upper

62 100

64 31.9 26.5 39.7





#5

Bromomethane

Concen: 17.328 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion: 94 Resp: 27034

Ion Ratio Lower Upper

94 100

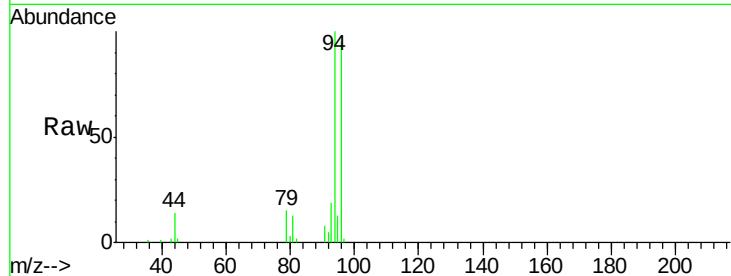
96 94.6 75.4 113.0

Manual Integrations

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12/10/2020 9:14:27 AM



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

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

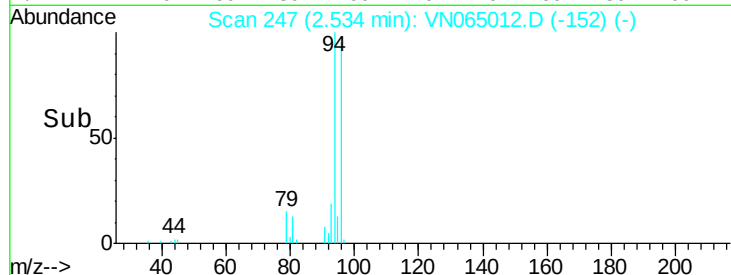
15000

10000

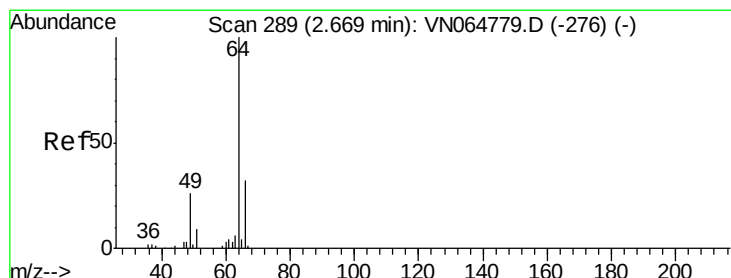
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 16.948 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN065012.D

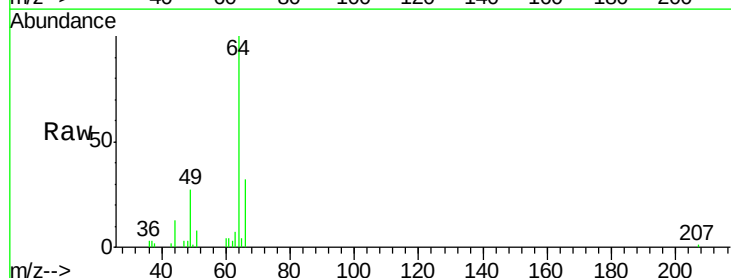
Acq: 9 Dec 2020 11:46

Tgt Ion: 64 Resp: 24926

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



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

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

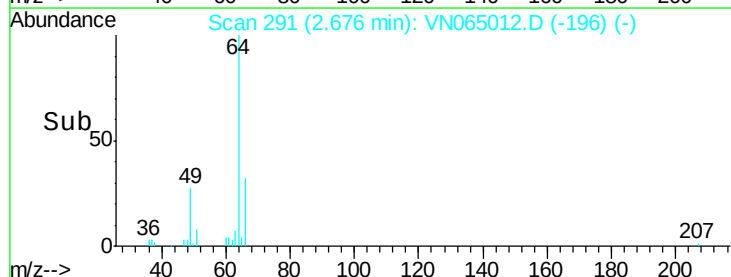
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10000

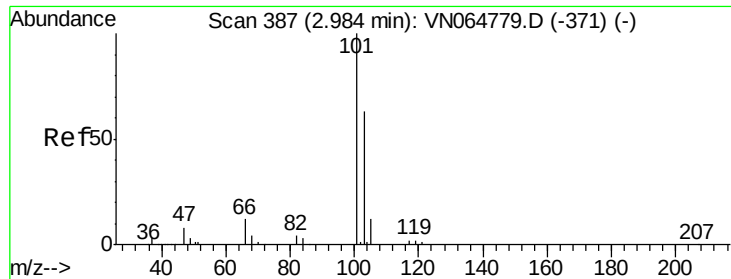
5000

0

Time-->



Time-->



#7

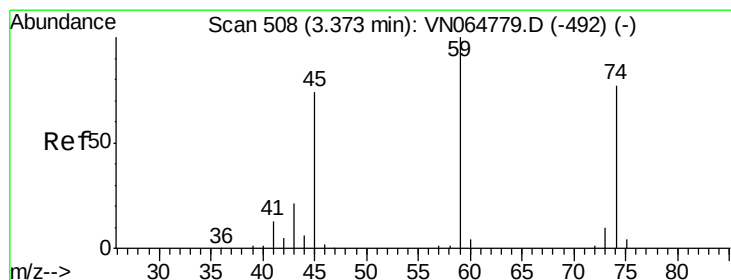
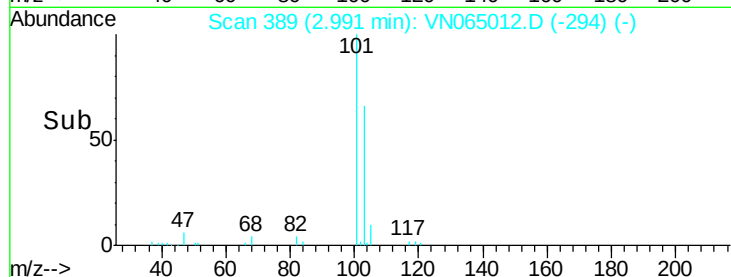
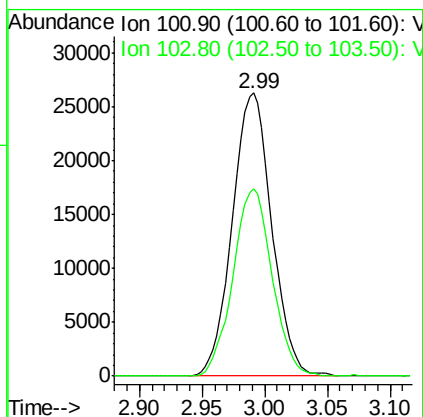
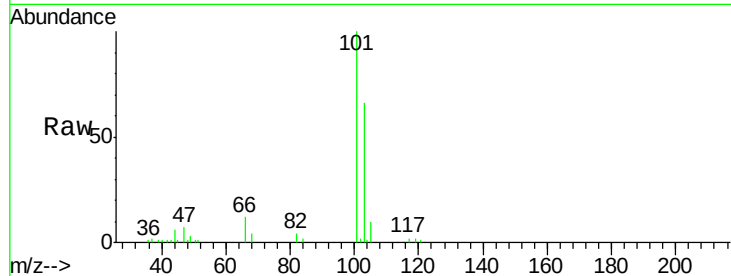
Trichlorofluoromethane
Concen: 17.492 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion:101 Resp: 57497
Ion Ratio Lower Upper
101 100
103 66.3 50.5 75.7

Manual Integrations
APPROVED

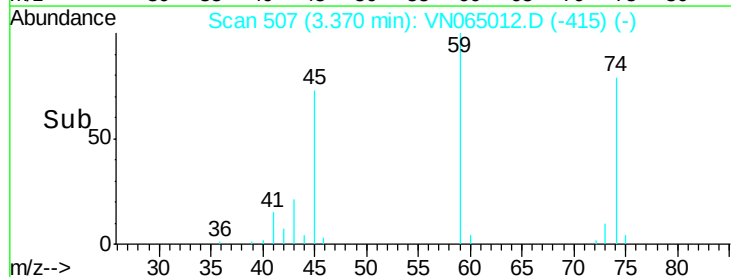
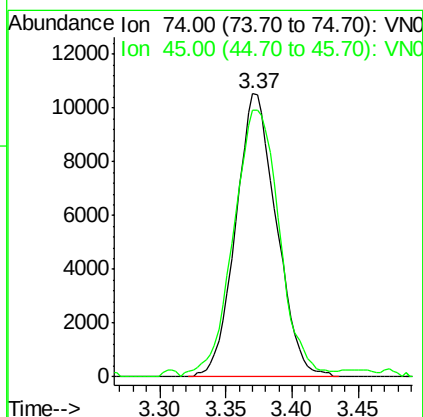
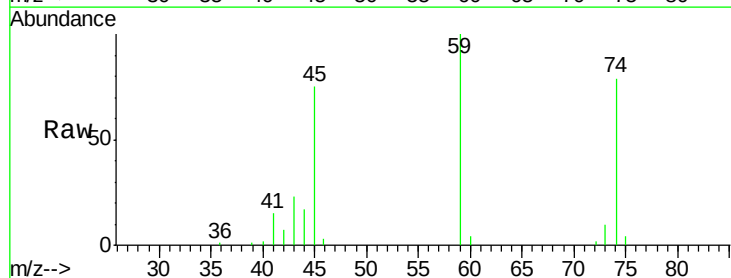
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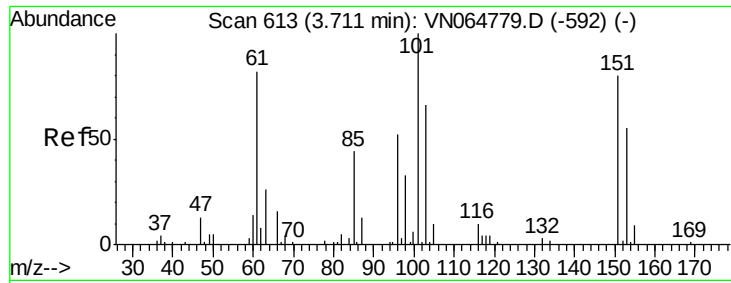


#8

Diethyl Ether
Concen: 17.364 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 74 Resp: 22529
Ion Ratio Lower Upper
74 100
45 106.4 48.9 146.8





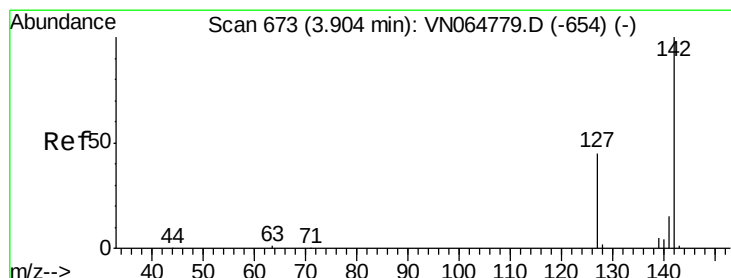
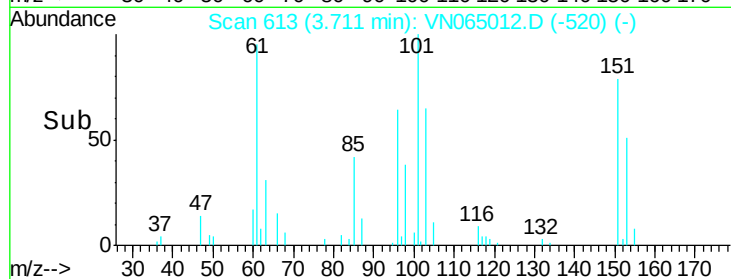
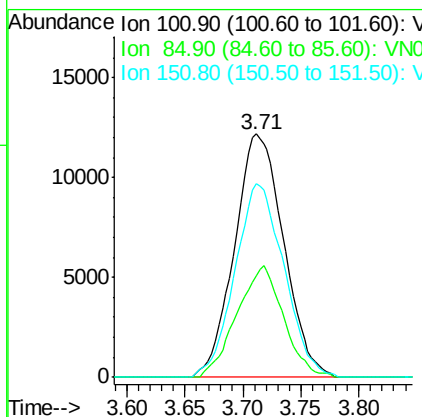
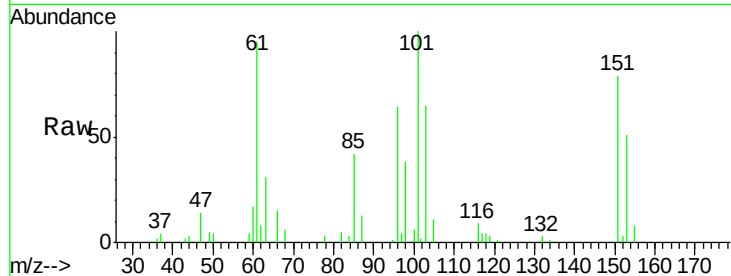
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.259 ug/l
 RT: 3.71 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN065012.D
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Instrument :
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 ClientSampleId :
 VN1209WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.4	51.6
151	79.3	64.0	96.0

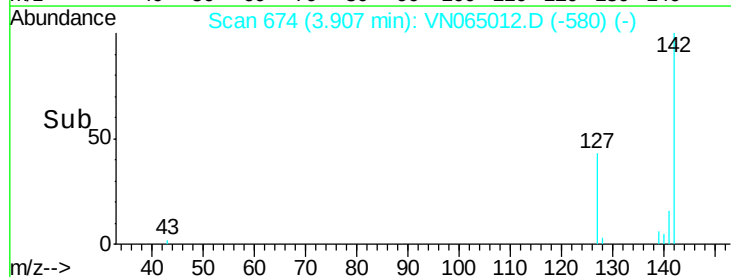
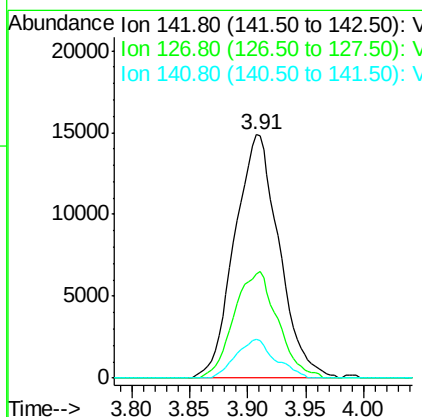
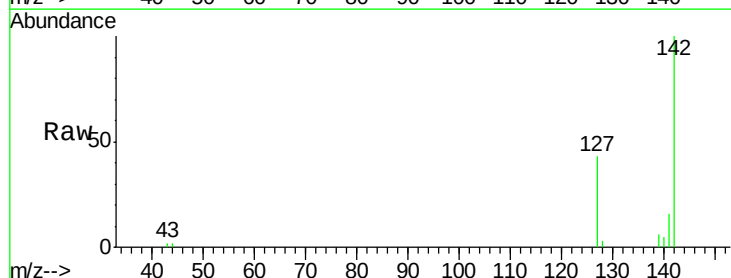
Manual Integrations
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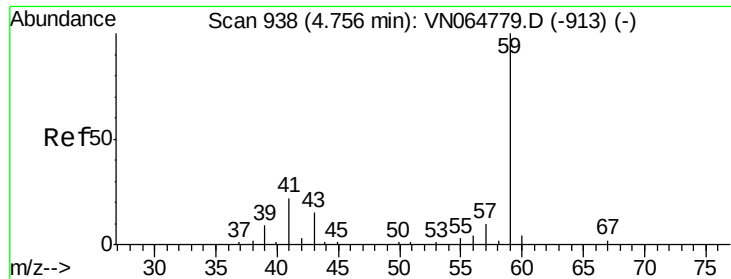
MMDadoda
 12/10/2020 9:14:27 AM



#10
 Methyl Iodide
 Concen: 15.522 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	35.0	52.6
141	14.0	11.8	17.6





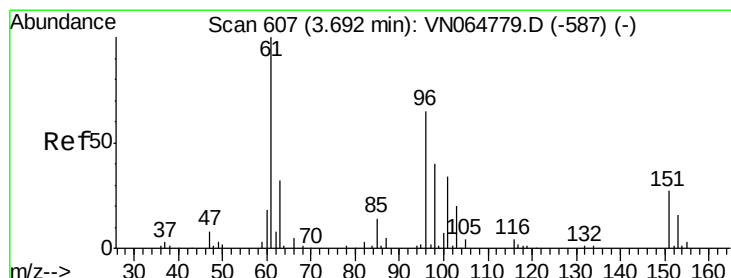
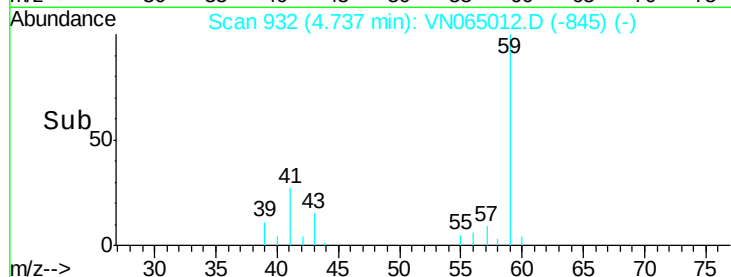
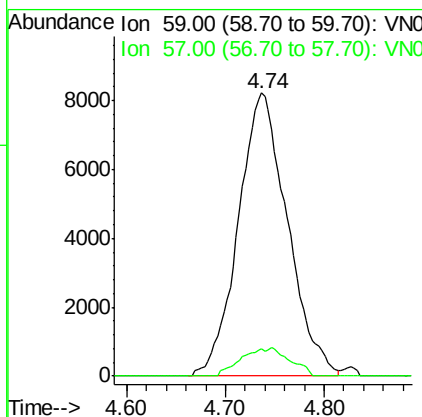
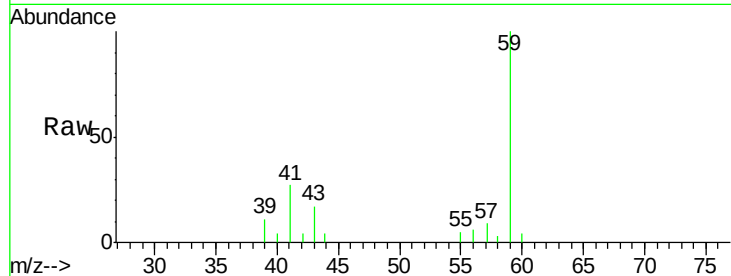
#11
Tert butyl alcohol
Concen: 77.227 ug/l
RT: 4.74 min Scan# 932
Delta R.T. -0.02 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 59 Resp: 28355
Ion Ratio Lower Upper
59 100
57 5.1 7.9 11.9#

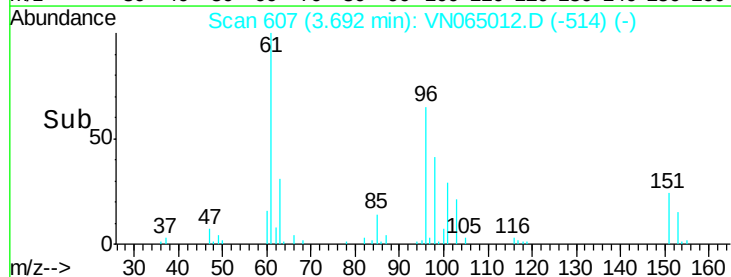
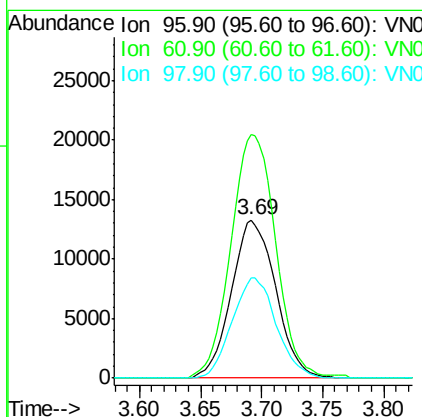
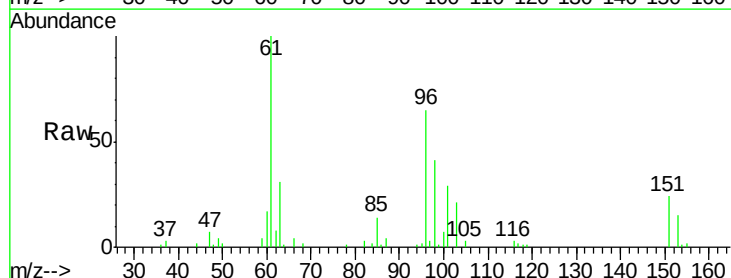
Manual Integrations
APPROVED

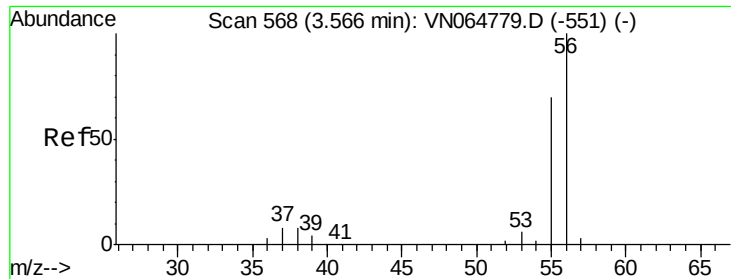
MMDadoda
12/10/2020 9:14:27 AM



#12
1,1-Dichloroethene
Concen: 17.041 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 96 Resp: 33464
Ion Ratio Lower Upper
96 100
61 153.8 123.4 185.2
98 63.5 49.8 74.8





#13

Acrolein

Concen: 76.809 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion: 56 Resp: 17226

Ion Ratio Lower Upper

56 100

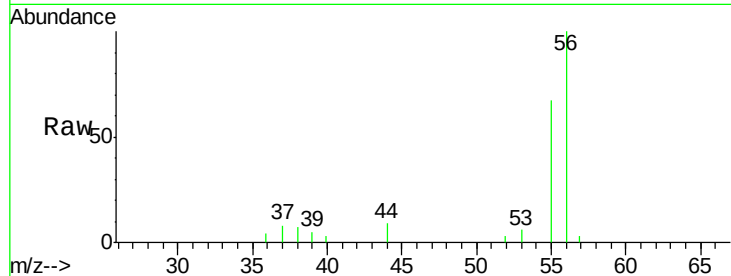
55 76.0 56.5 84.7

Manual Integrations

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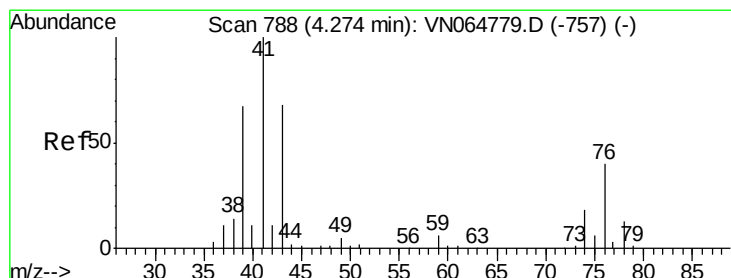
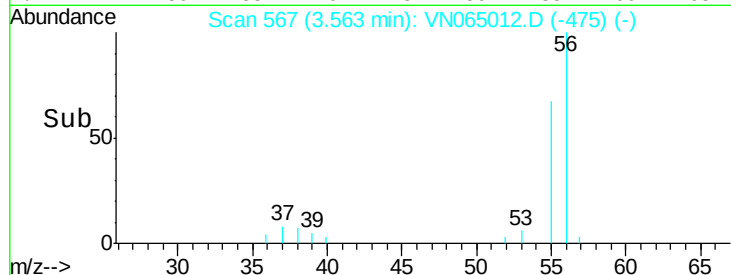
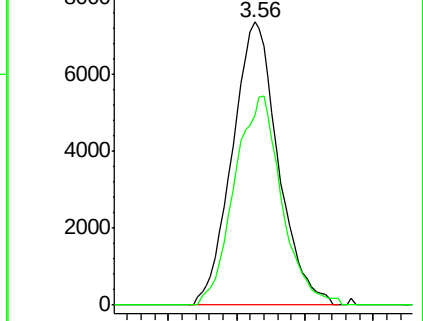
MMDadoda

12/10/2020 9:14:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN064779.D (-551) (-)



#14

Allyl chloride

Concen: 16.571 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

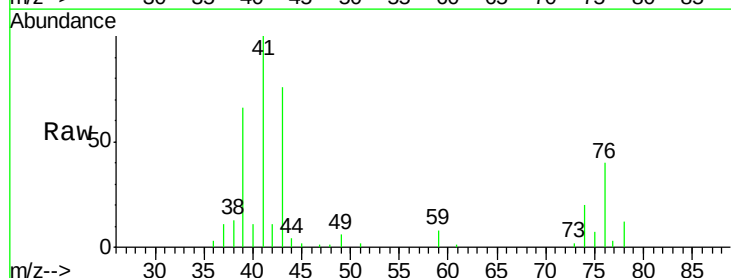
Tgt Ion: 41 Resp: 53673

Ion Ratio Lower Upper

41 100

39 62.9 50.9 76.3

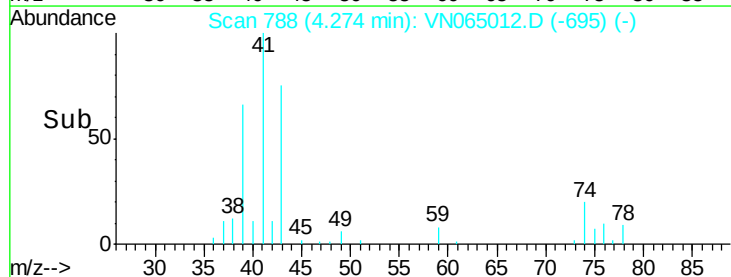
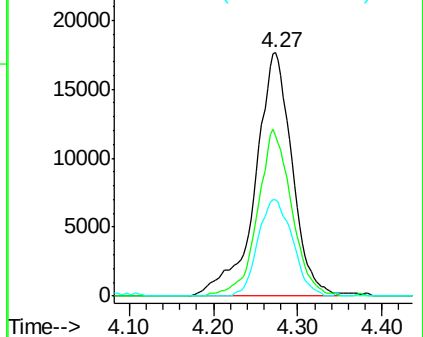
76 37.1 29.0 43.4

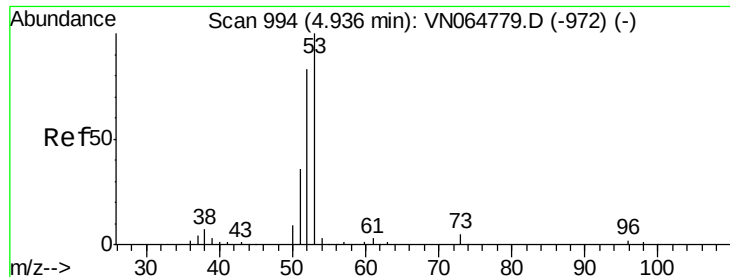


Abundance Ion 41.00 (40.70 to 41.70): VN064779.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN064779.D (-757) (-)





#15

Acrylonitrile

Concen: 84.552 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

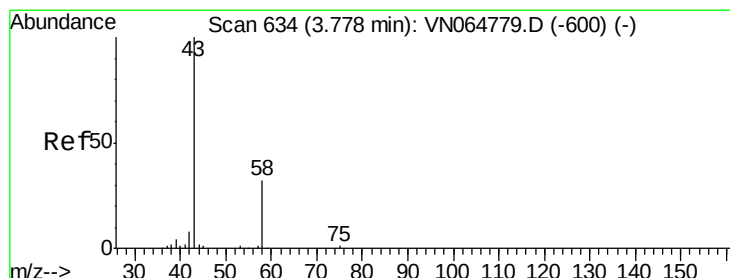
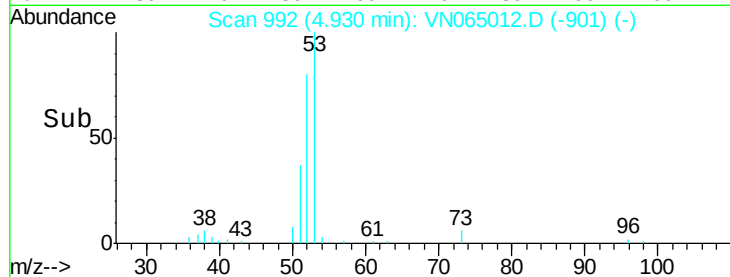
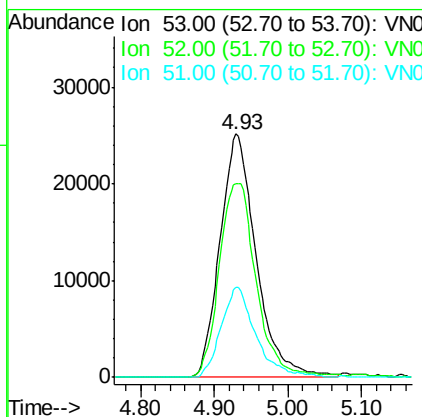
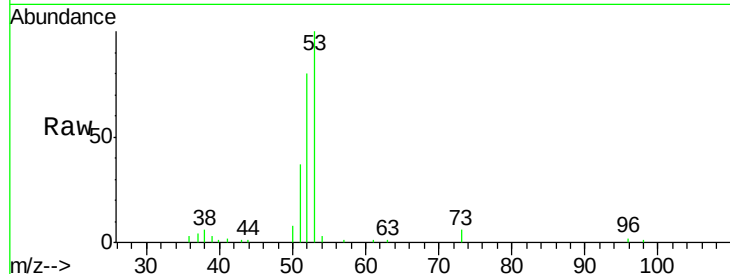
ClientSampleId :

VN1209WBS01

Tot Ion:	53	Resp:	85761
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.5	98.3
51	34.6	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 108.938 ug/l

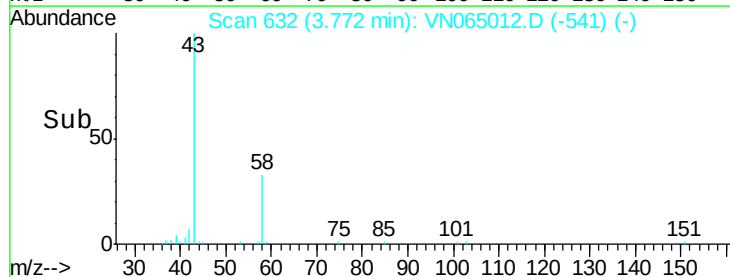
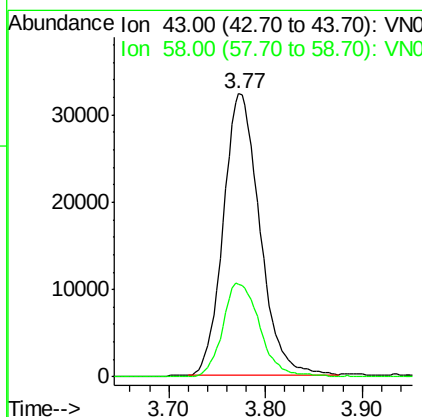
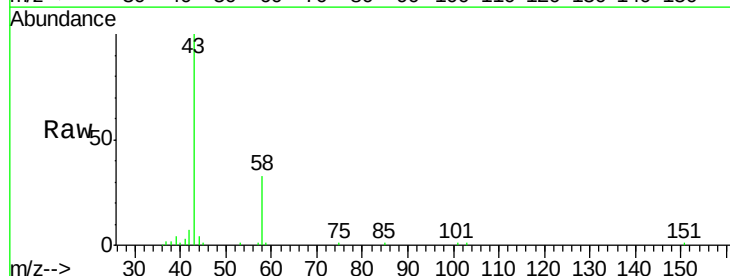
RT: 3.77 min Scan# 632

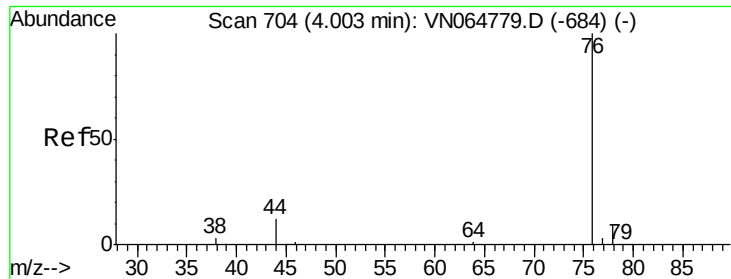
Delta R.T. -0.01 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Tgt Ion:	43	Resp:	84311
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.7	38.5





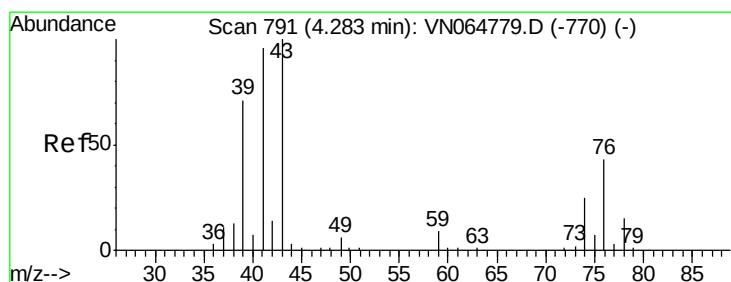
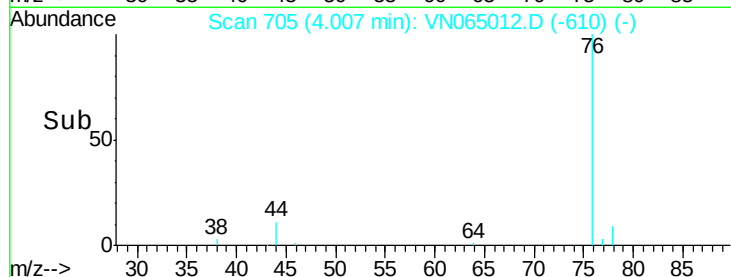
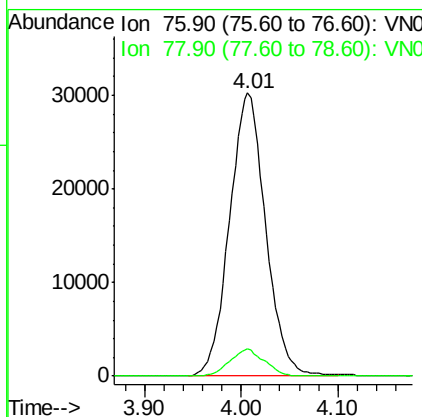
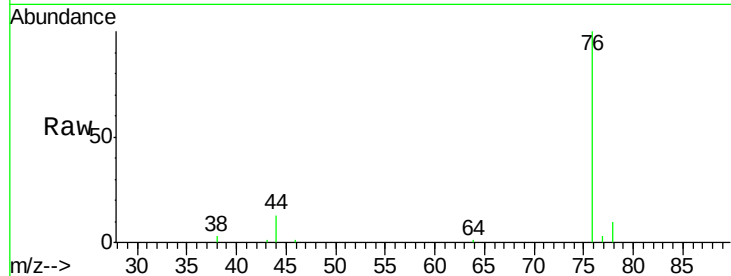
#17
Carbon Disulfide
Concen: 15.466 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 76 Resp: 78402
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

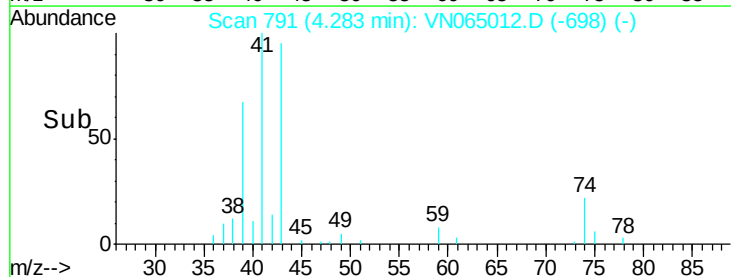
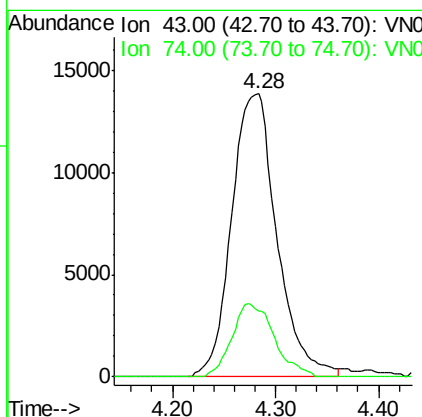
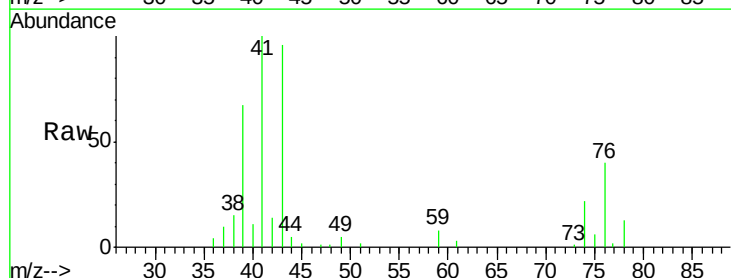
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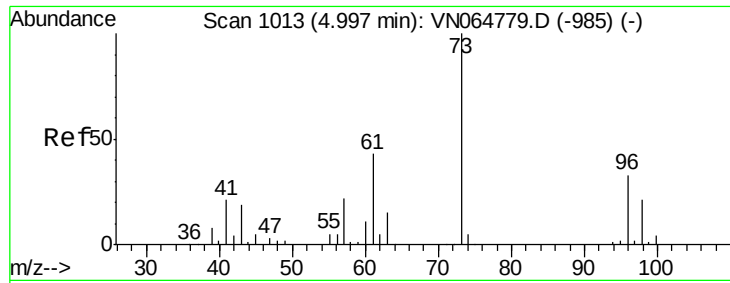
MMDadoda
12/10/2020 9:14:27 AM



#18
Methyl Acetate
Concen: 18.160 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 43 Resp: 42256
Ion Ratio Lower Upper
43 100
74 24.2 20.2 30.2





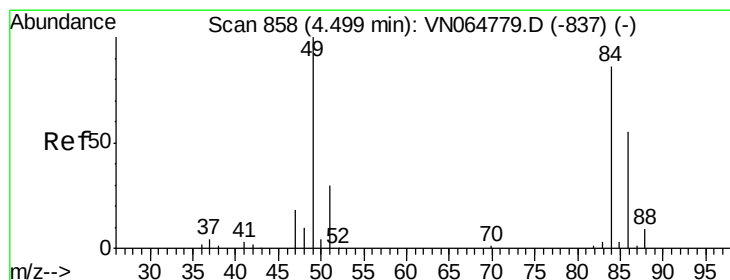
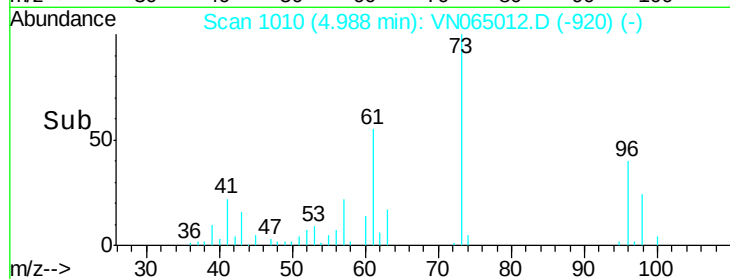
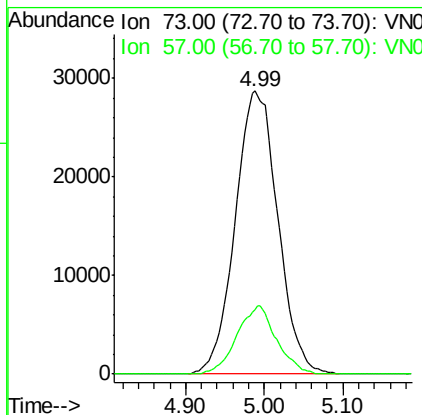
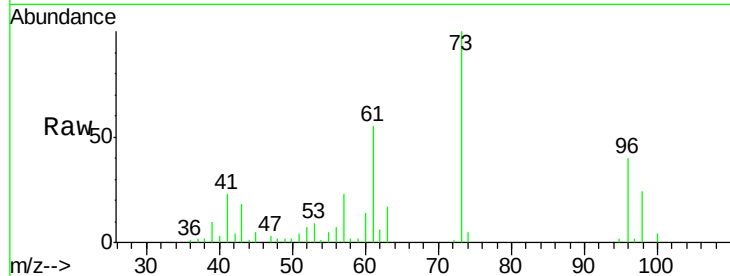
#19
Methyl tert-butyl Ether
Concen: 17.358 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 73 Resp: 109327
Ion Ratio Lower Upper
73 100
57 23.0 17.4 26.0

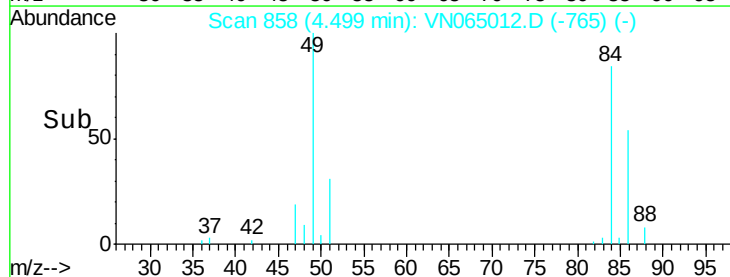
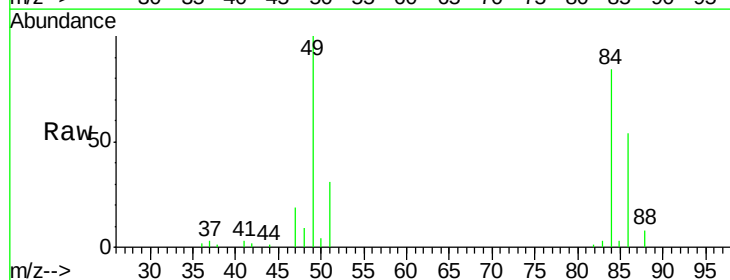
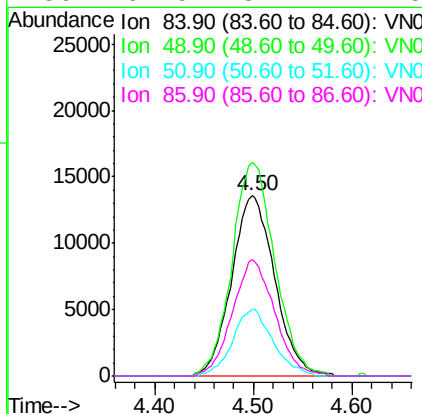
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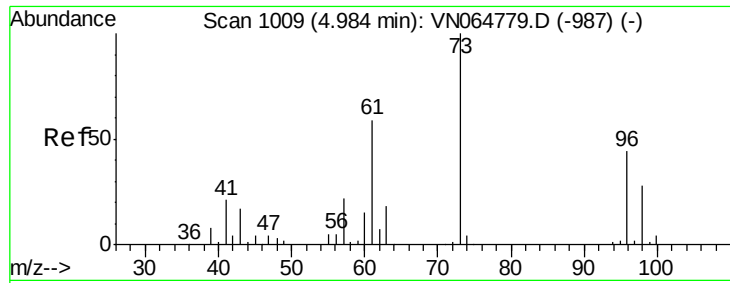
MMDadoda
12/10/2020 9:14:27 AM



#20
Methylene Chloride
Concen: 16.986 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 84 Resp: 41193
Ion Ratio Lower Upper
84 100
49 118.6 93.4 140.0
51 37.3 28.2 42.4
86 64.5 51.7 77.5





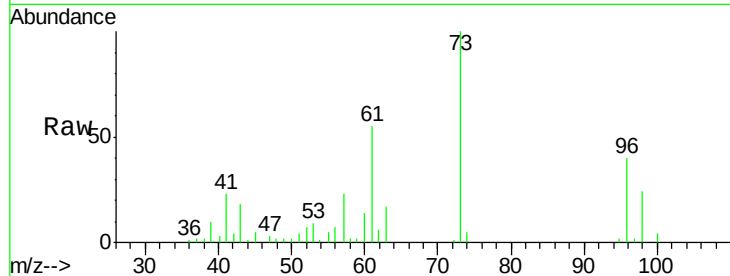
#21
trans-1,2-Dichloroethene
Concen: 16.995 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	108.4	162.6
98	59.8	51.3	76.9

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12/10/2020 9:14:27 AM

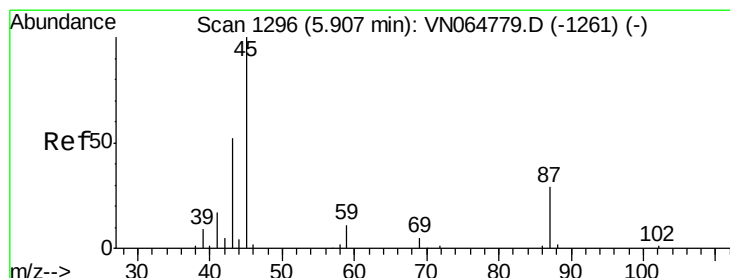
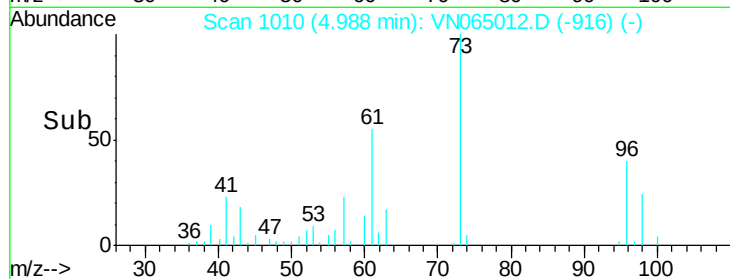
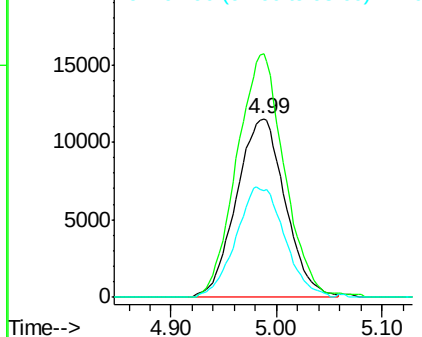


Abundance

Ion 95.90 (95.60 to 96.60): VN064779.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-987) (-)



#22
Diisopropyl ether
Concen: 18.615 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	46.2	69.2
87	29.7	24.1	36.1
59	11.6	9.0	13.4

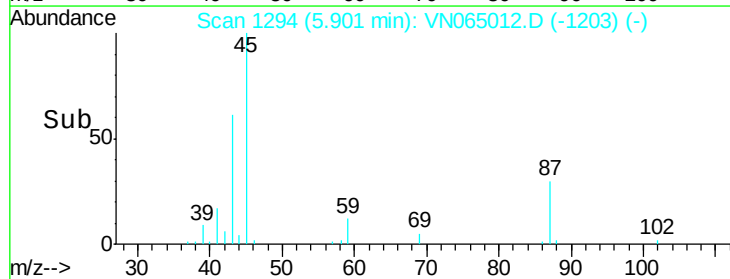
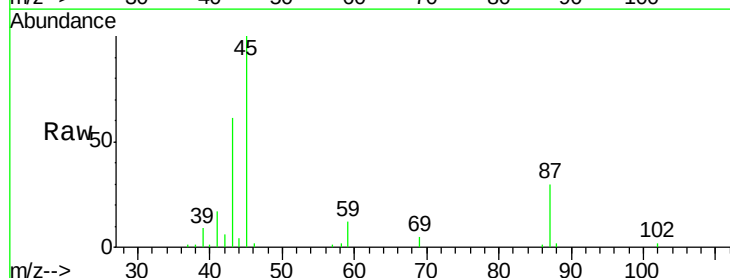
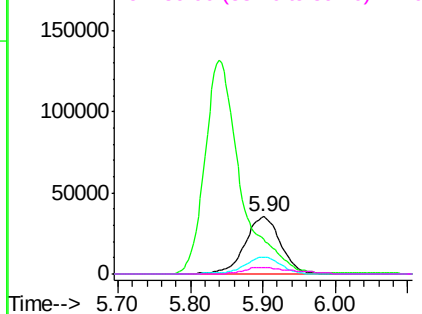
Abundance

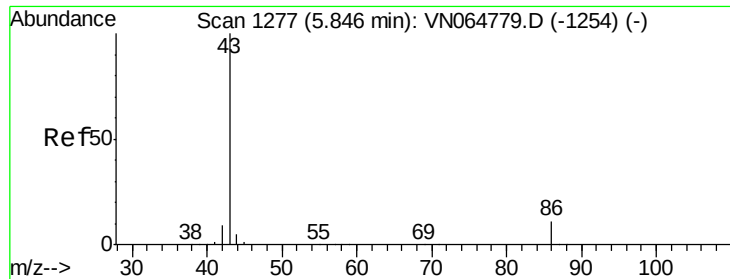
Ion 45.00 (44.70 to 45.70): VN064779.D (-1261) (-)

Ion 43.00 (42.70 to 43.70): VN064779.D (-1261) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1261) (-)

Ion 59.00 (58.70 to 59.70): VN064779.D (-1261) (-)





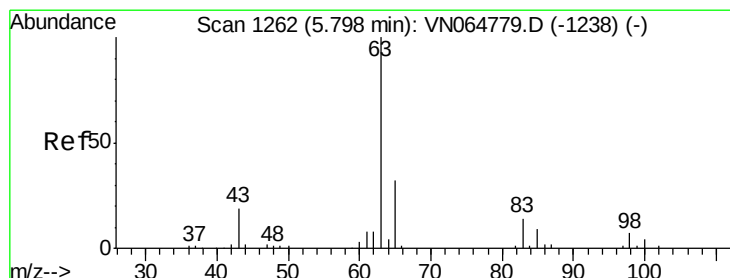
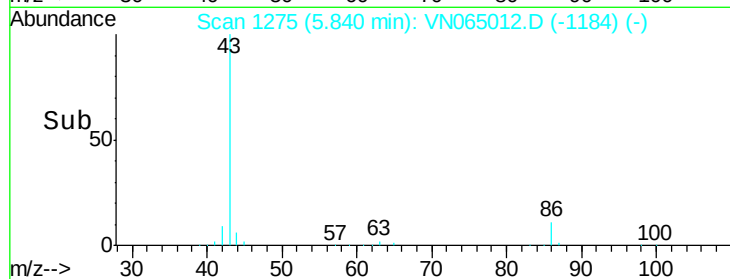
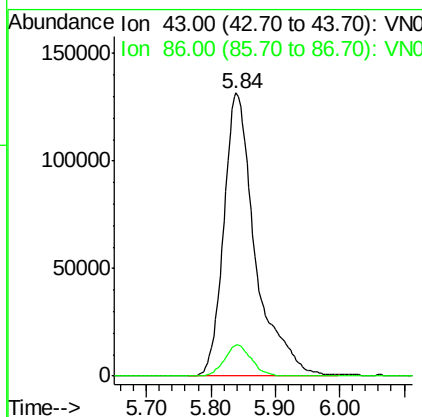
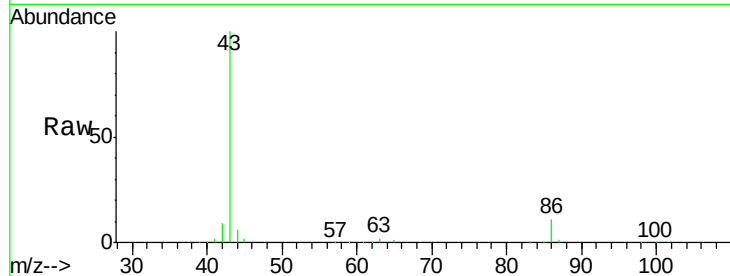
#23
 Vinyl Acetate
 Concen: 86.722 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1209WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.9	13.3

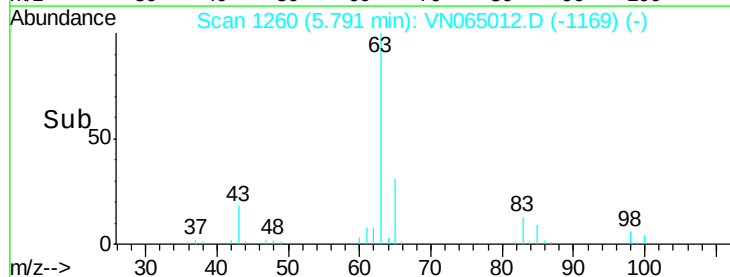
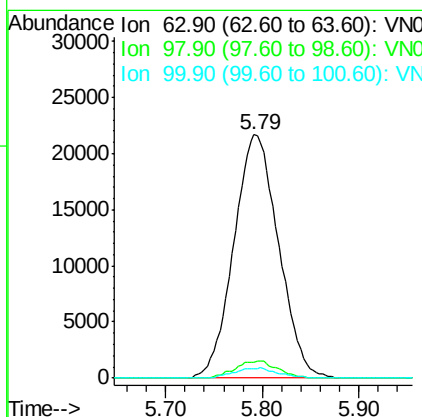
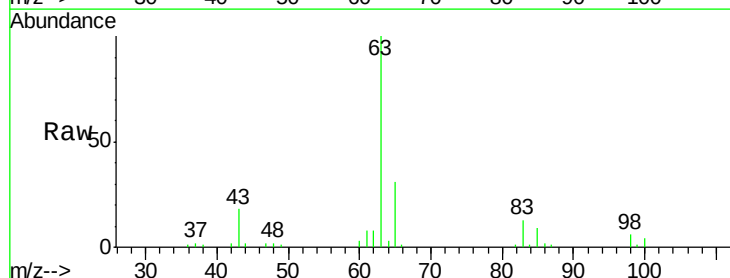
Manual Integrations
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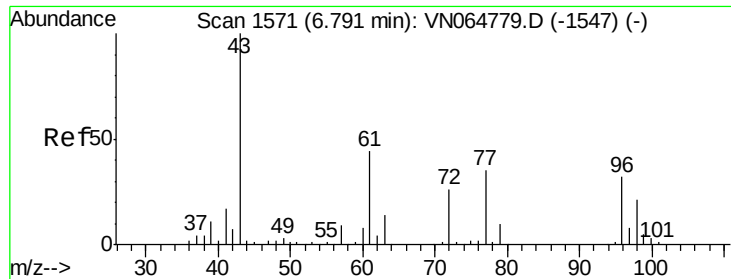
MMDadoda
 12/10/2020 9:14:27 AM



#24
 1,1-Dichloroethane
 Concen: 17.961 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	3.9	2.3	6.8





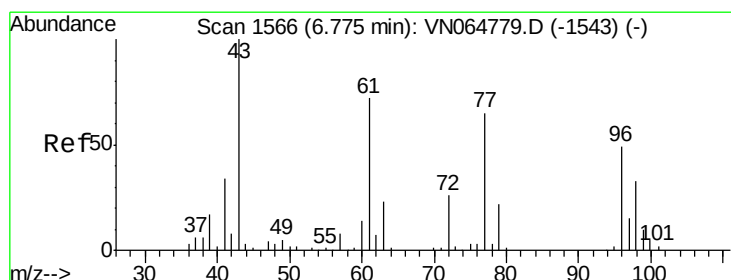
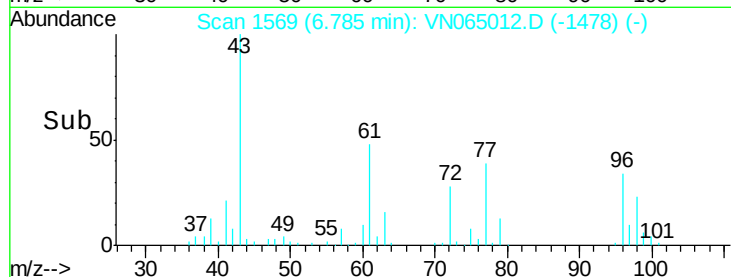
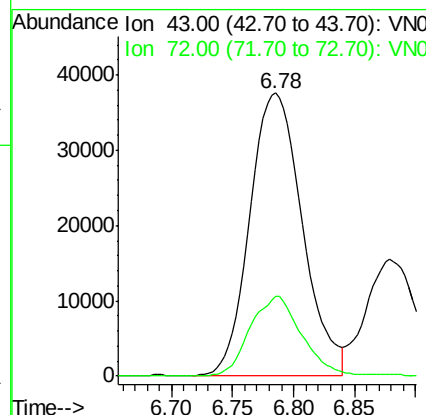
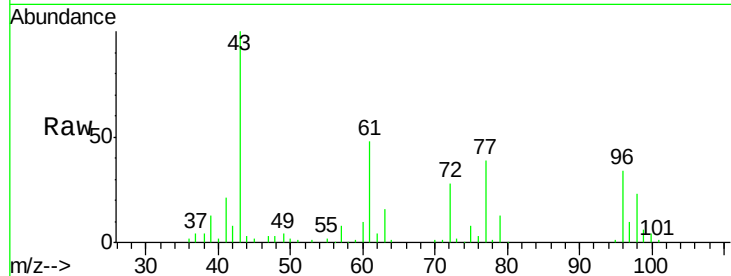
#25
2-Butanone
Concen: 89.803 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 43 Resp: 112666
Ion Ratio Lower Upper
43 100
72 28.3 21.0 31.6

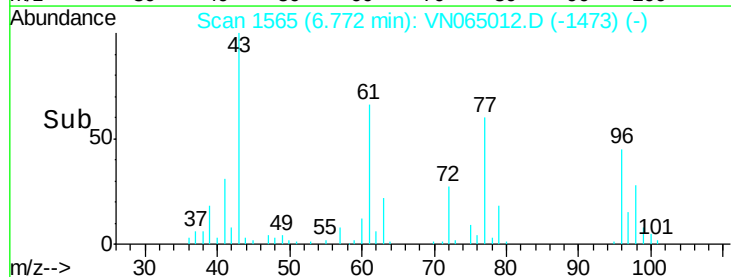
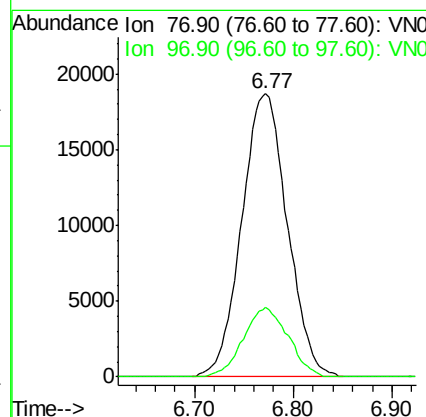
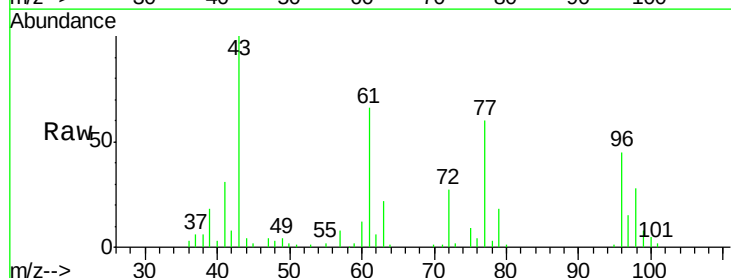
Manual Integrations
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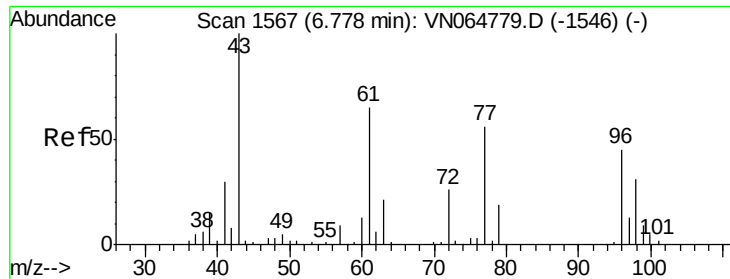
MMDadoda
12/10/2020 9:14:27 AM



#26
2,2-Dichloropropane
Concen: 17.767 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 77 Resp: 59704
Ion Ratio Lower Upper
77 100
97 24.2 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.368 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

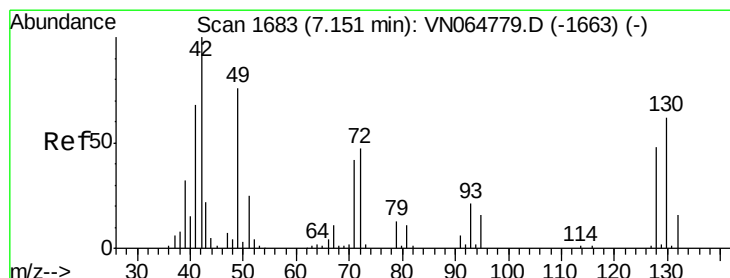
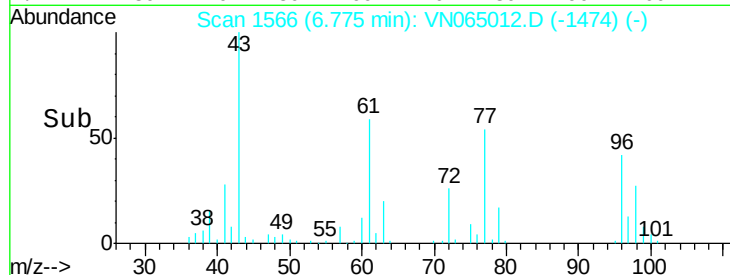
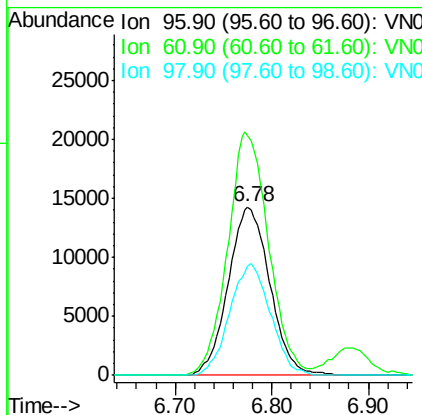
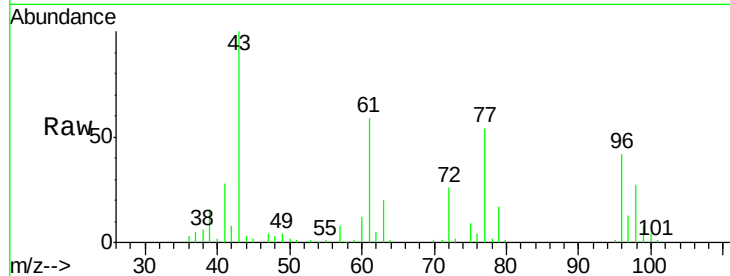
ClientSampleId :

VN1209WBS01

Tot Ion:	96	Resp:	42619
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	285.8
98	64.8	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 17.873 ug/l

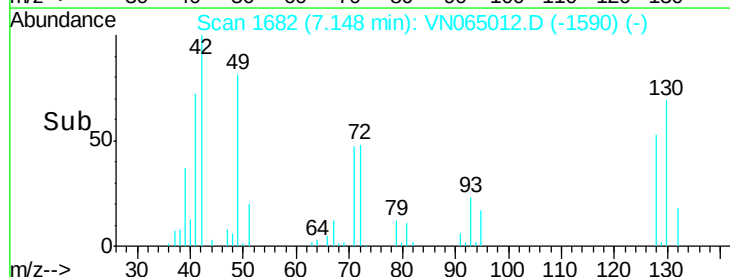
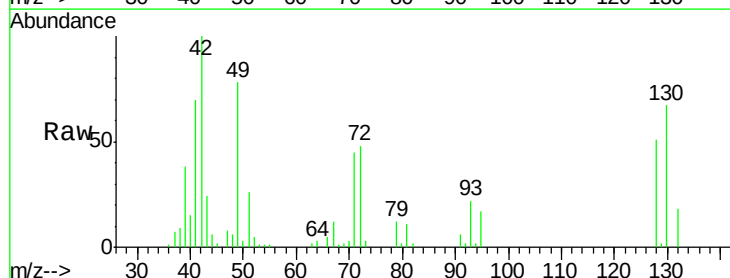
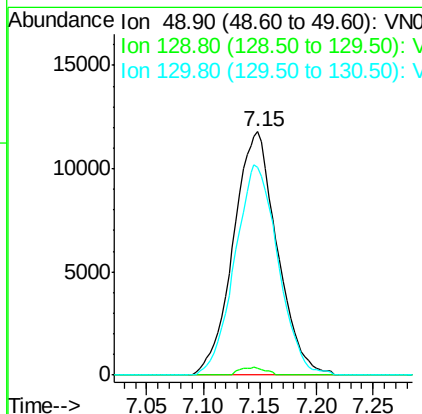
RT: 7.15 min Scan# 1682

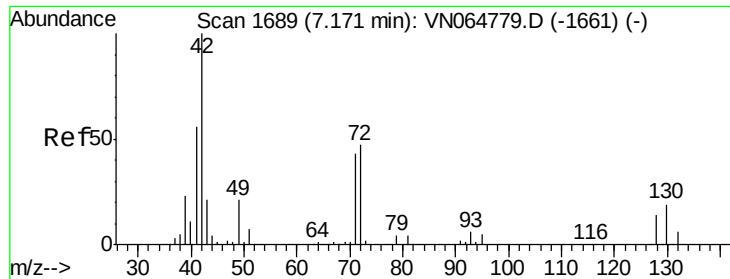
Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Tgt Ion:	49	Resp:	31679
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	85.5	66.2	99.2





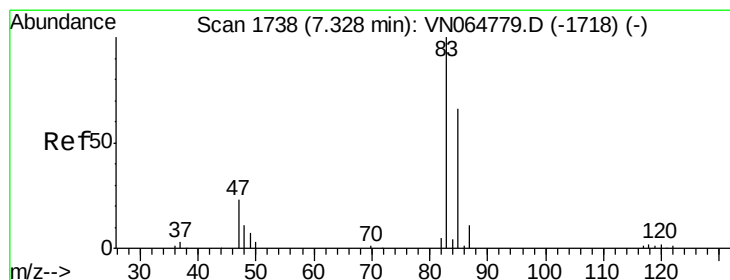
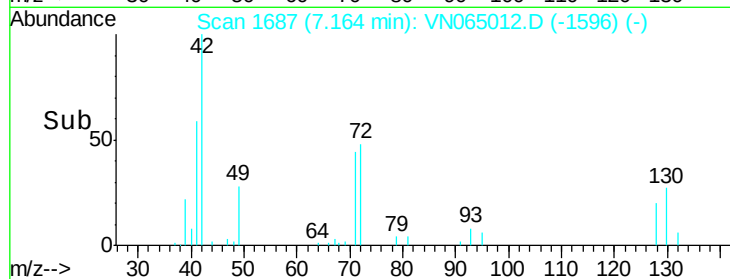
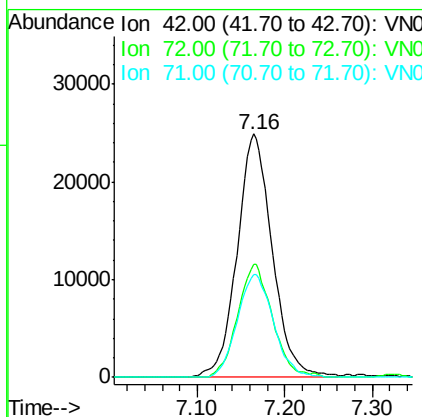
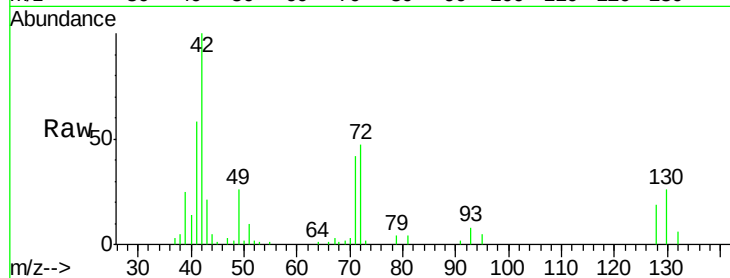
#29
Tetrahydrofuran
Concen: 80.242 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.6	54.8
71	43.3	33.6	50.4

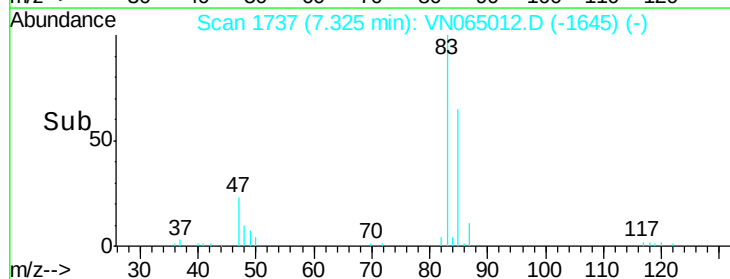
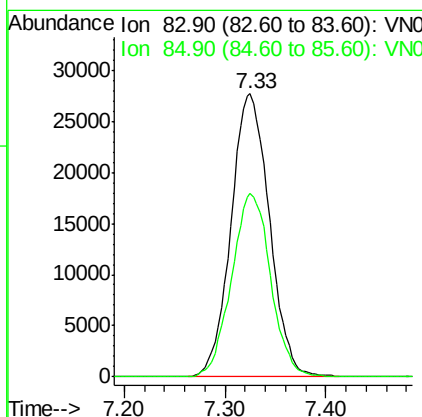
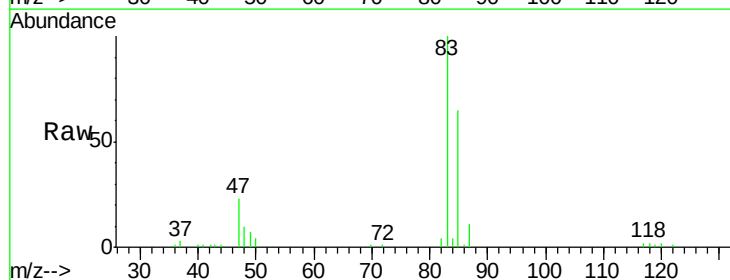
Manual Integrations
APPROVED

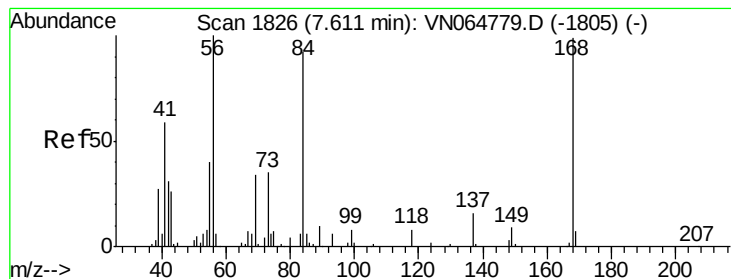
MMDadoda
12/10/2020 9:14:27 AM



#30
Chloroform
Concen: 18.305 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	78.8





#31

Cyclohexane

Concen: 16.336 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

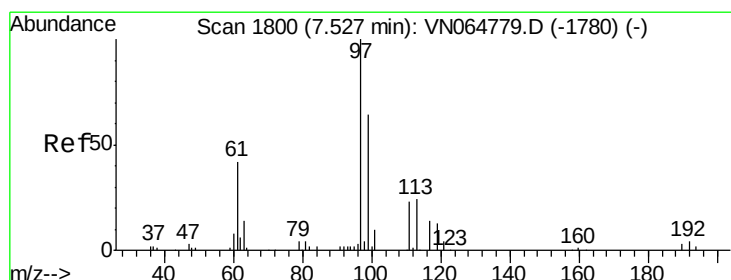
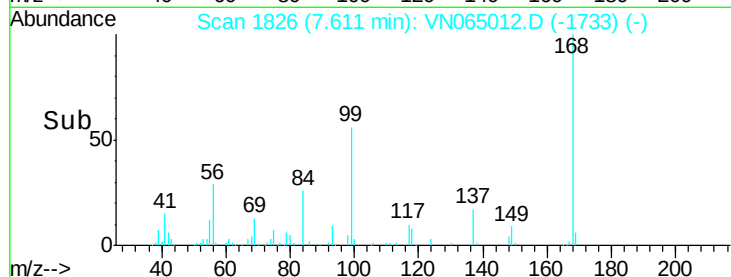
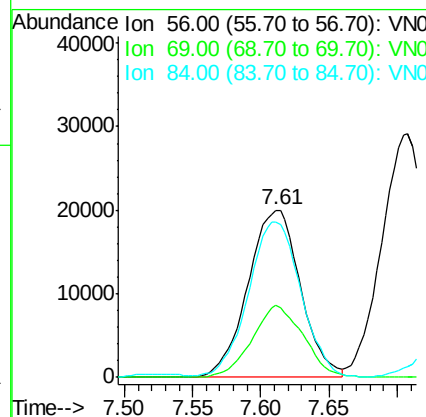
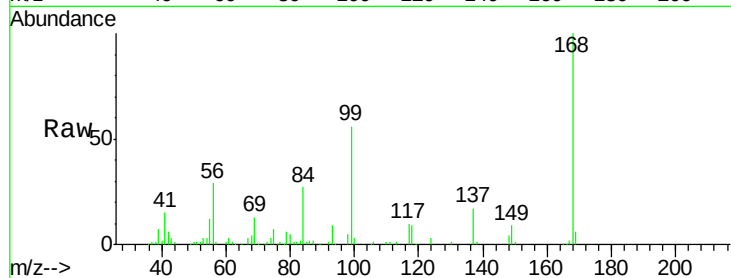
ClientSampleId :

VN1209WBS01

Tot Ion:	56	Resp:	53603
Ion Ratio	Lower	Upper	
56	100		
69	43.1	27.5	41.3#
84	92.1	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.107 ug/l

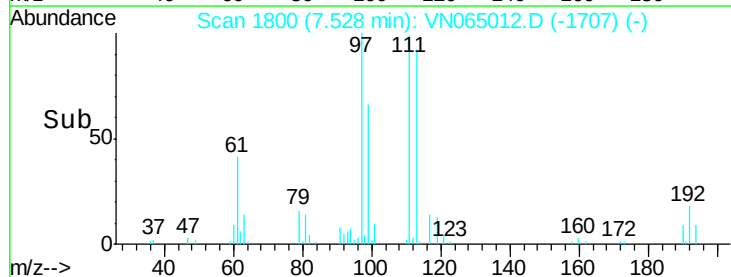
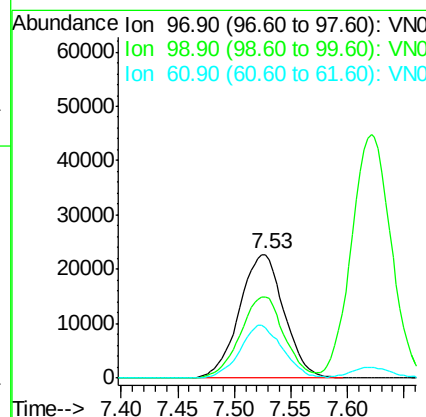
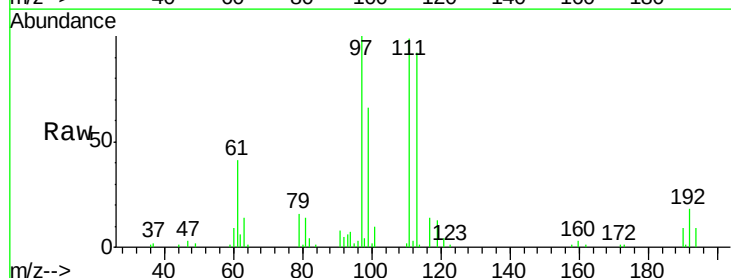
RT: 7.53 min Scan# 1800

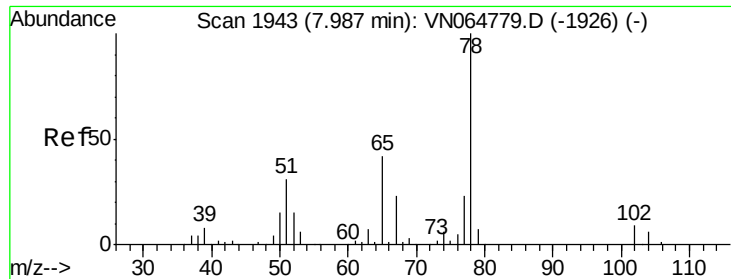
Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Tgt Ion:	97	Resp:	62137
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.7	77.5
61	40.8	33.9	50.9





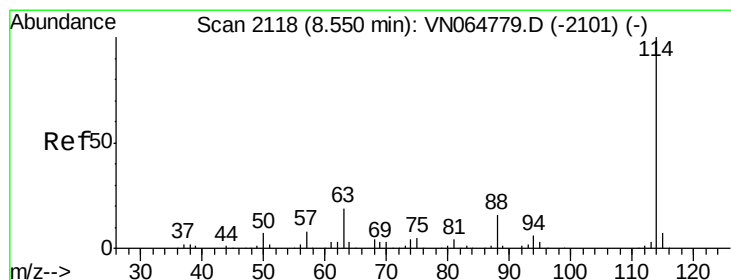
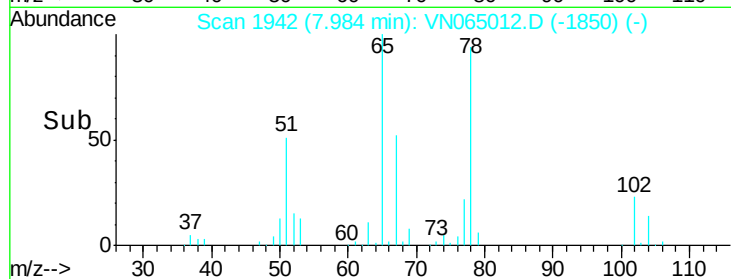
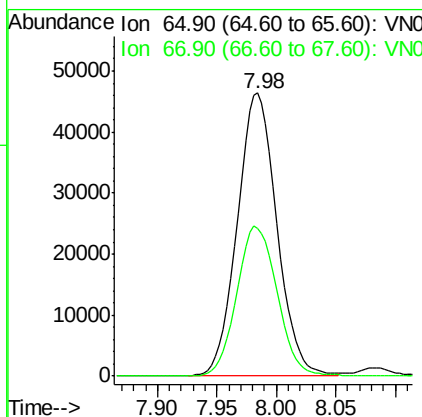
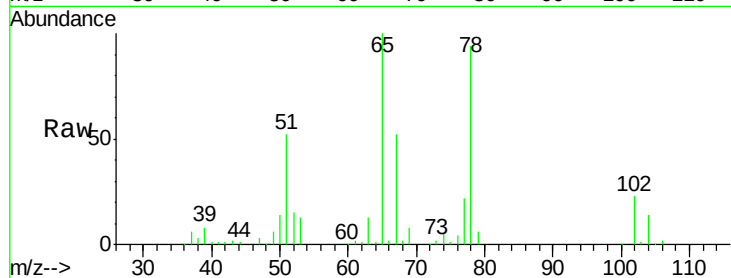
#33
 1,2-Dichloroethane-d4
 Concen: 45.454 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107013		
67	53.9	0.0	108.2	

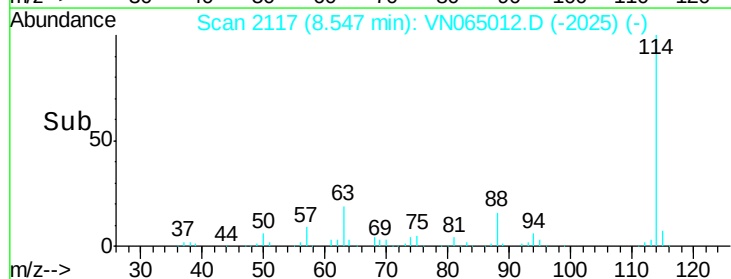
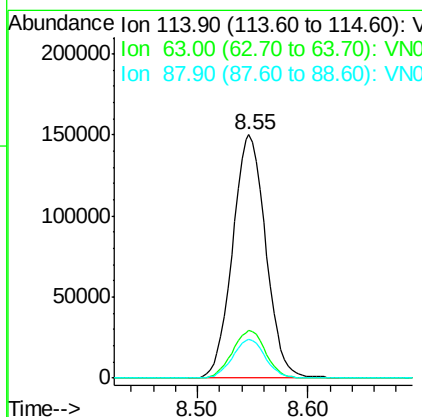
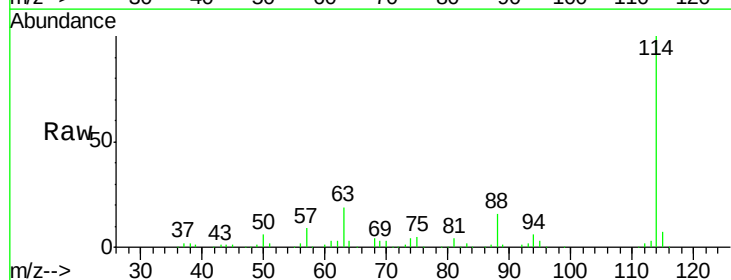
Manual Integrations
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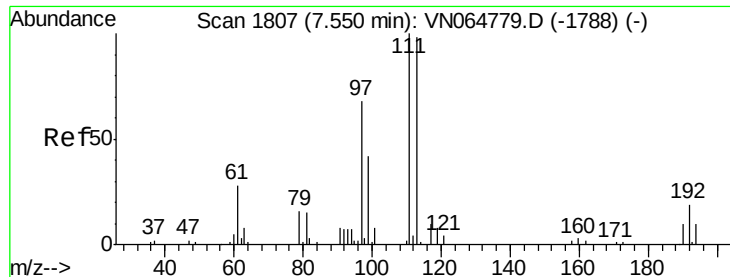
MMDadoda
 12/10/2020 9:14:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	312957		
63	19.4	0.0	38.6	
88	15.8	0.0	32.6	





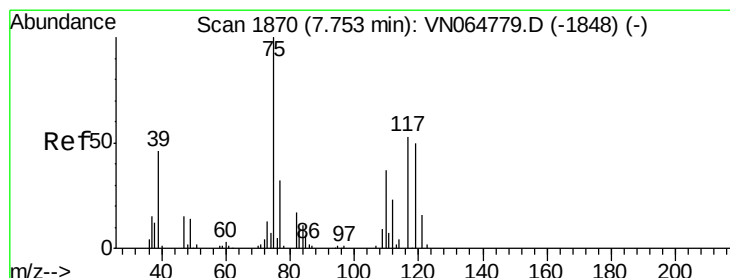
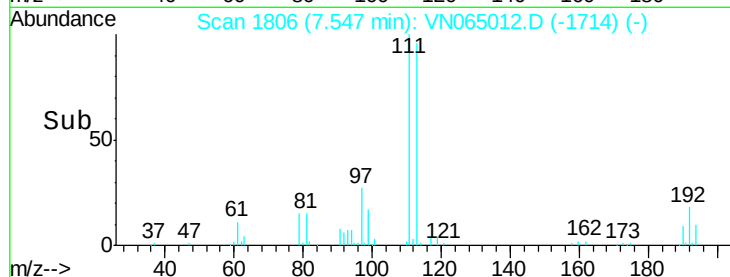
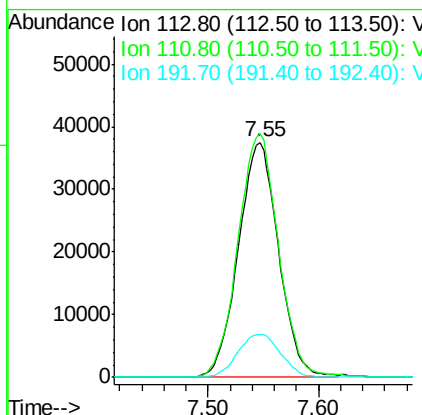
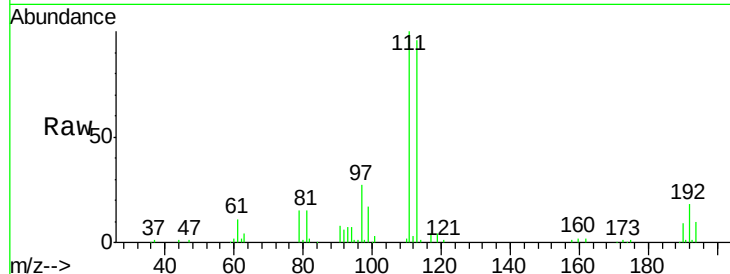
#35
Dibromofluoromethane
Concen: 50.542 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.6	122.4
192	19.6	16.2	24.2

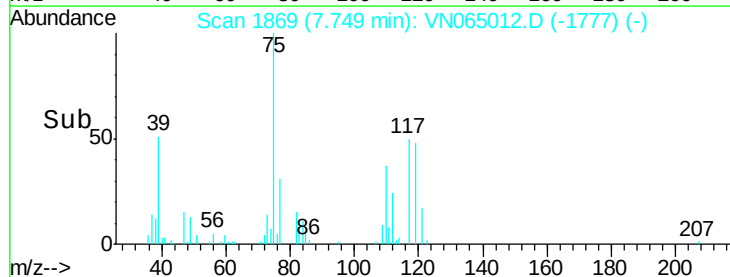
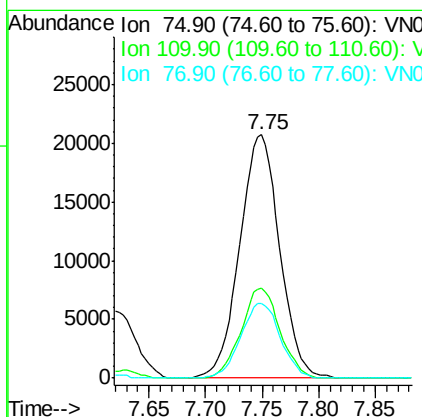
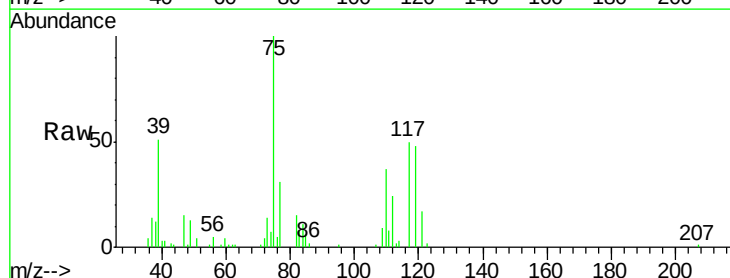
Manual Integrations
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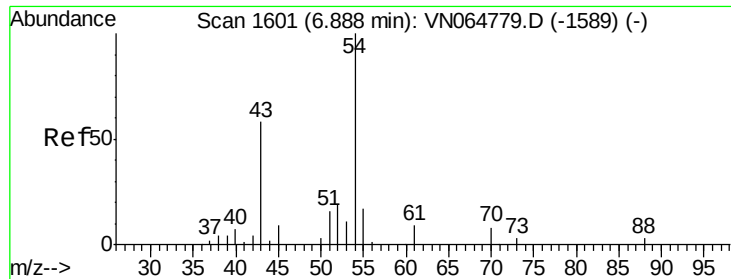
MMDadoda
12/10/2020 9:14:27 AM



#36
1,1-Dichloropropene
Concen: 17.523 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.8	53.3
77	30.4	25.0	37.4





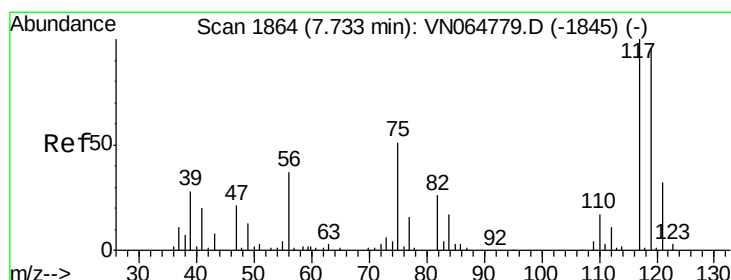
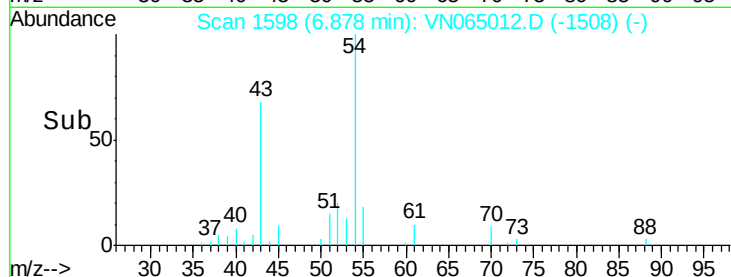
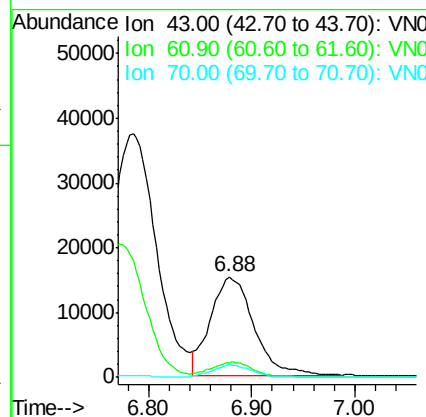
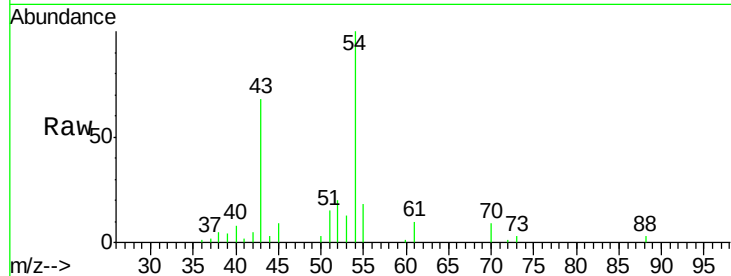
#37
Ethyl Acetate
Concen: 16.095 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.8	19.2
70	10.8	8.8	13.2

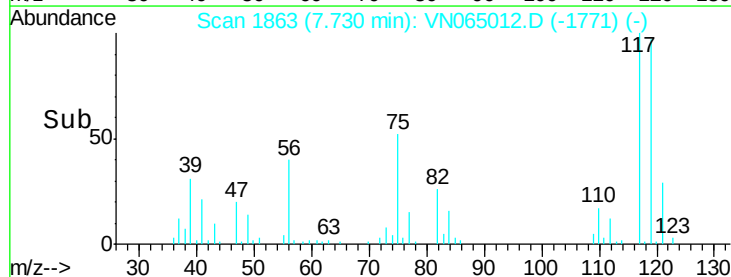
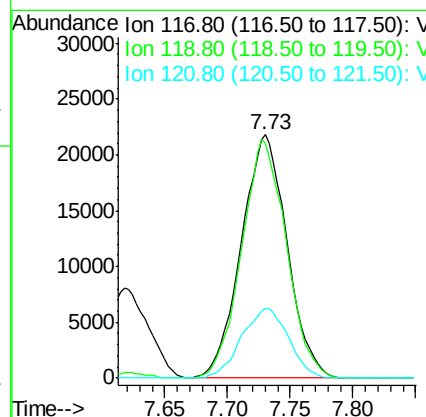
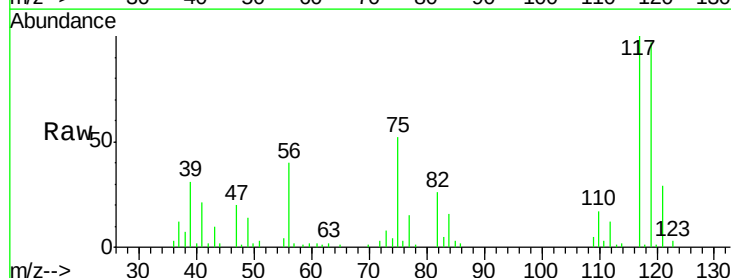
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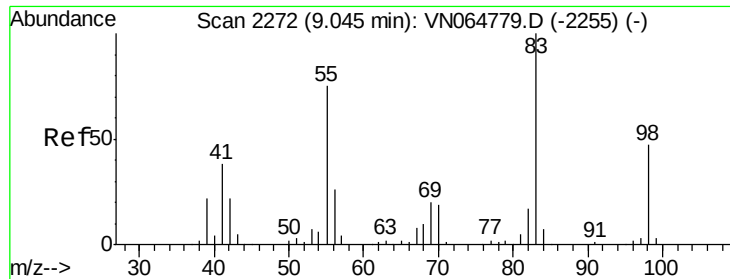
MMDadoda
12/10/2020 9:14:27 AM



#38
Carbon Tetrachloride
Concen: 18.298 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.7	115.1
121	28.6	25.4	38.2





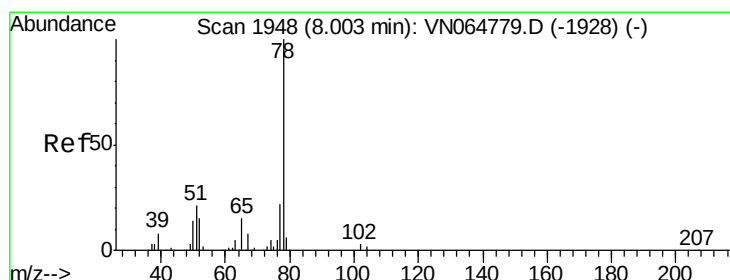
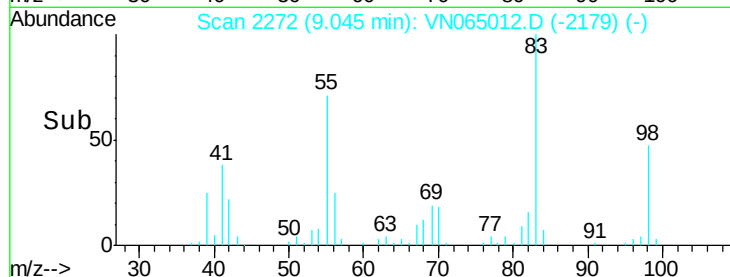
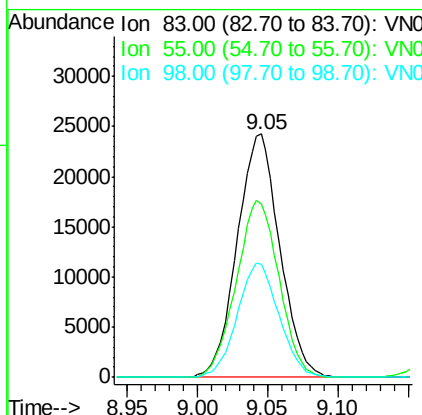
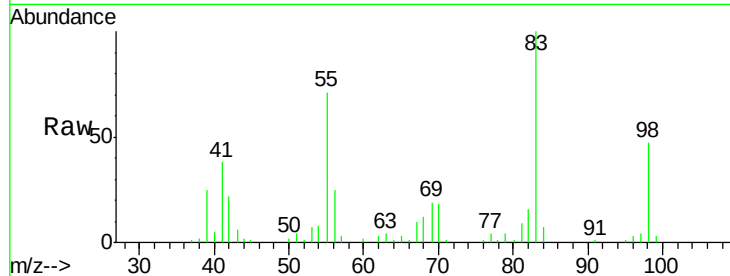
#39
Methylvlcyclohexane
Concen: 16.392 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	60.2	90.2
98	46.6	37.4	56.2

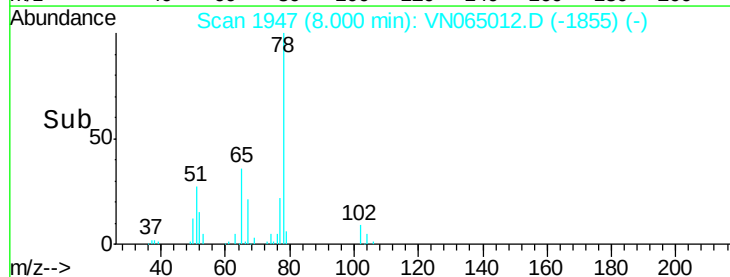
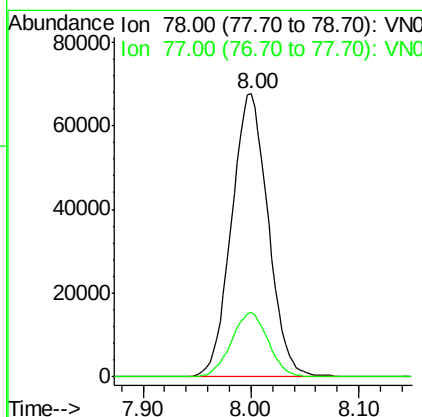
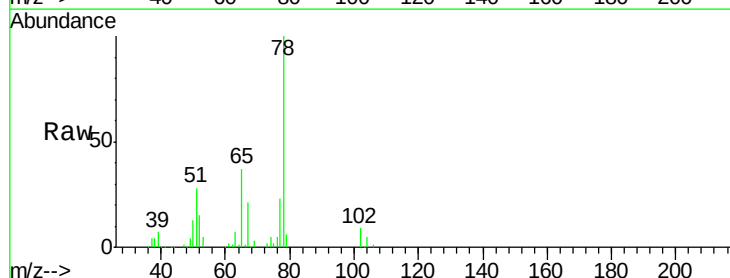
Manual Integrations
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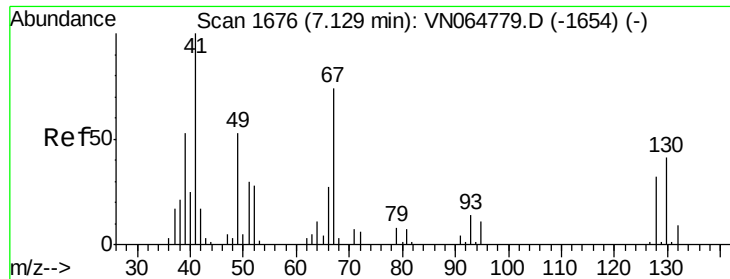
MMDadoda
12/10/2020 9:14:27 AM



#40
Benzene
Concen: 17.985 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	17.9	26.9





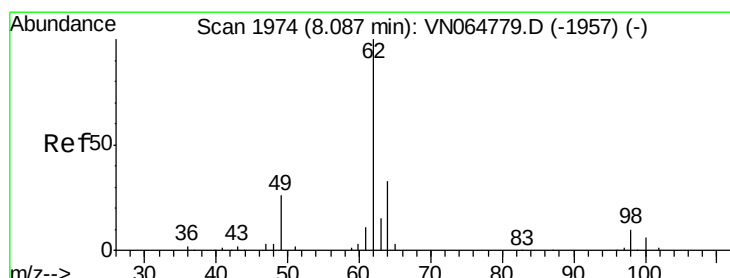
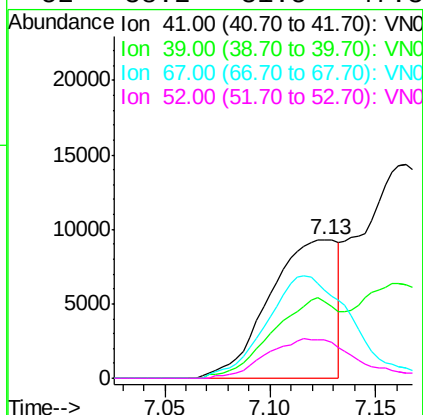
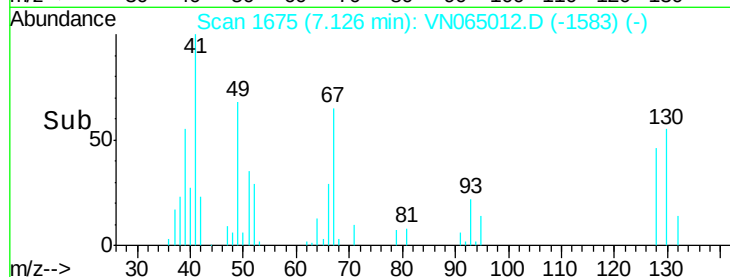
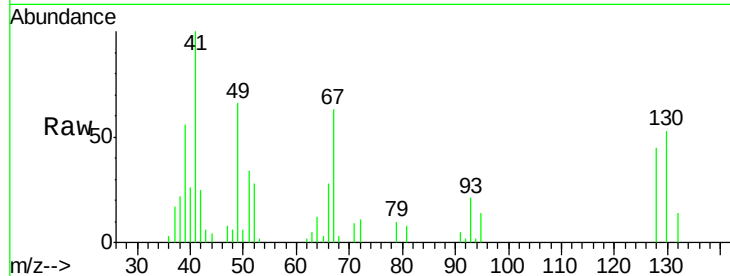
#41
Methacrylonitrile
Concen: 16.225 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	41	Resp	20919
Ion	Ratio	Lower	Upper
41	100		
39	57.7	51.0	76.6
67	94.0	79.8	119.8
52	38.2	31.5	47.3

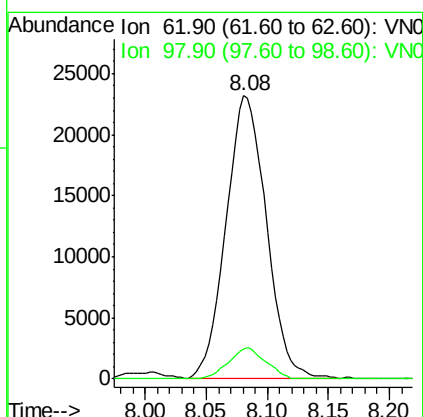
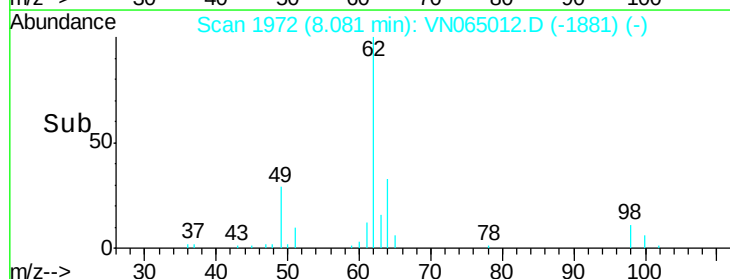
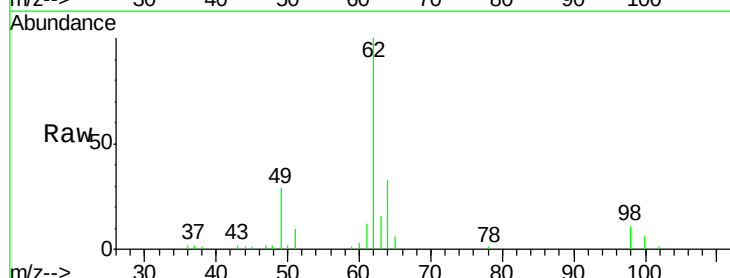
Manual Integrations
APPROVED

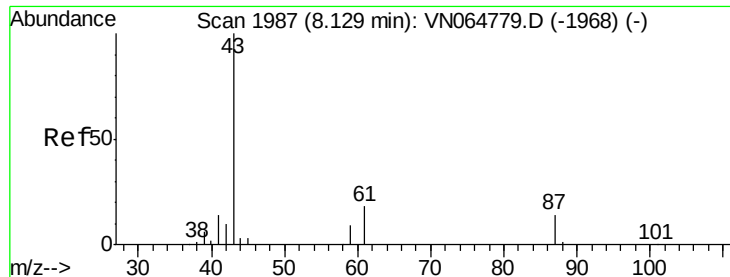
MMDadoda
12/10/2020 9:14:27 AM



#42
1,2-Dichloroethane
Concen: 17.844 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	62	Resp	53508
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43

Isopropyl Acetate

Concen: 17.276 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

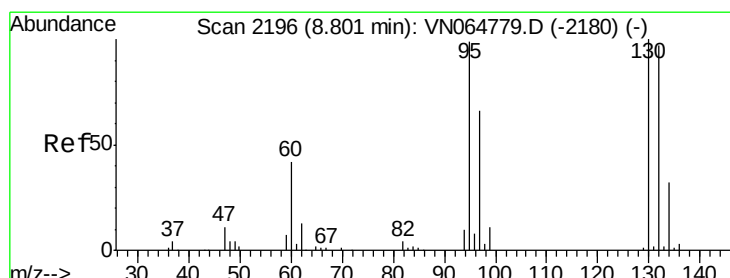
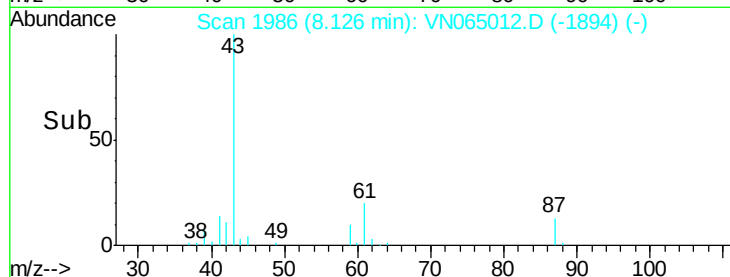
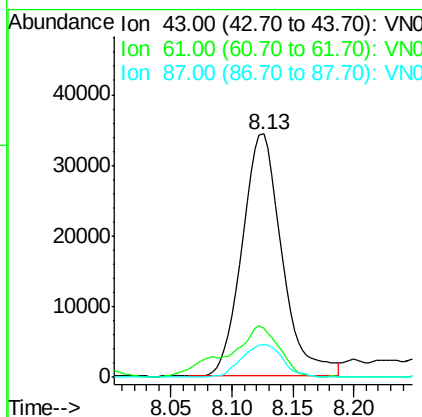
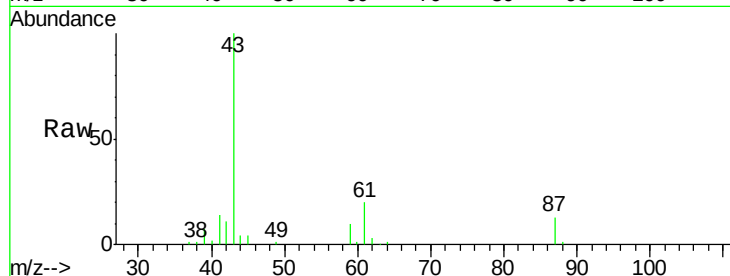
ClientSampleId :

VN1209WBS01

Tot Ion:	43	Resp:	77678
Ion	Ratio	Lower	Upper
43	100		
61	19.9	17.2	25.8
87	13.9	11.4	17.0

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#44

Trichloroethene

Concen: 17.232 ug/l

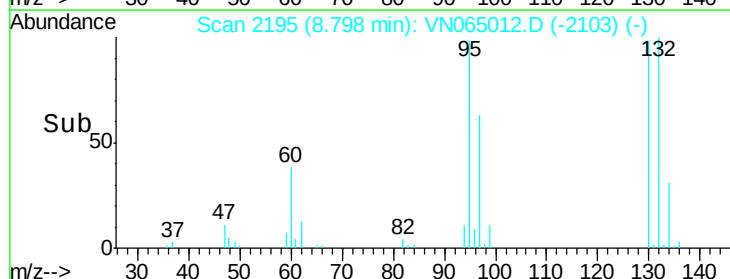
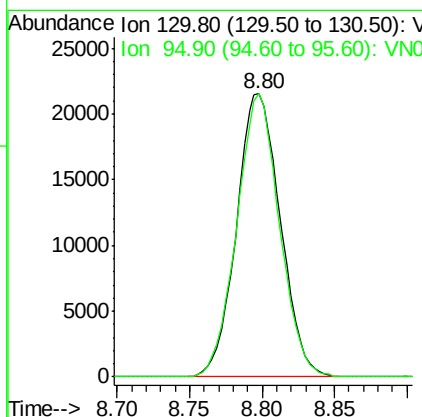
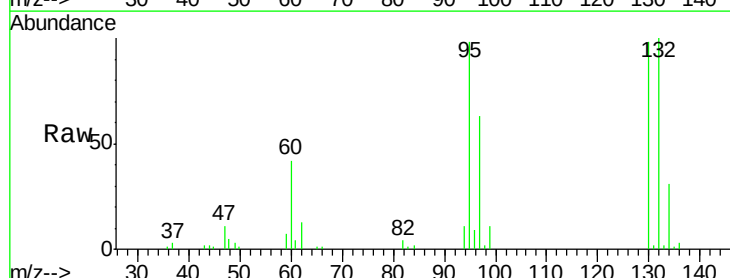
RT: 8.80 min Scan# 2195

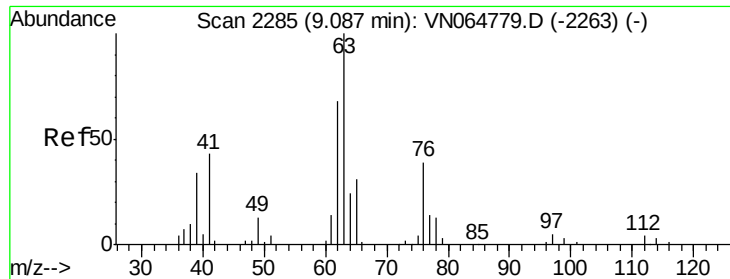
Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Tgt Ion:	130	Resp:	45195
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	197.8





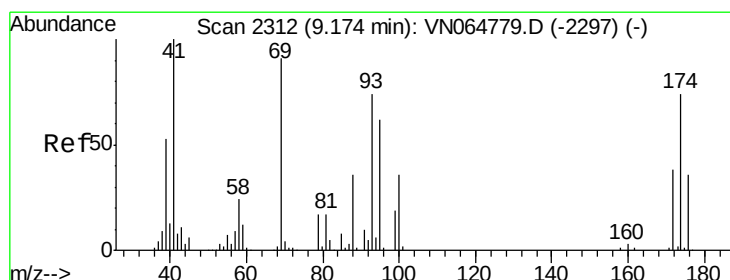
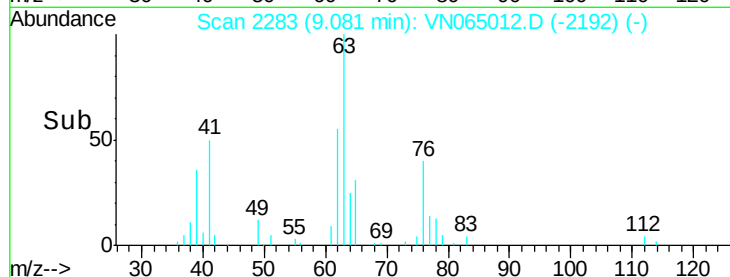
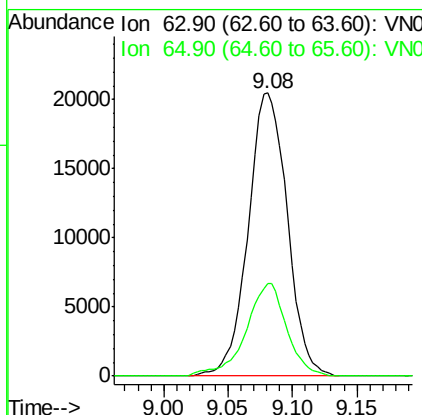
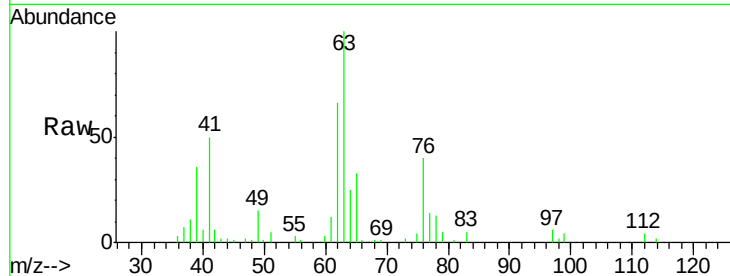
#45
 1,2-Dichloropropane
 Concen: 18.803 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Tot Ion: 63 Resp: 43285
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.4

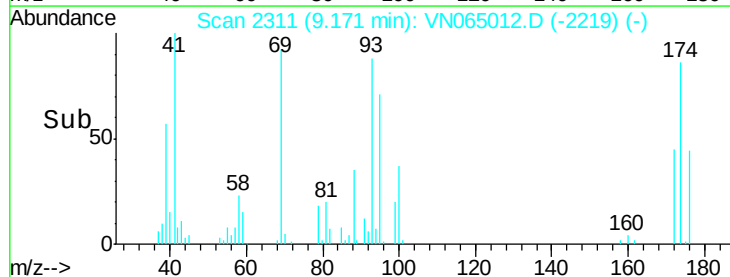
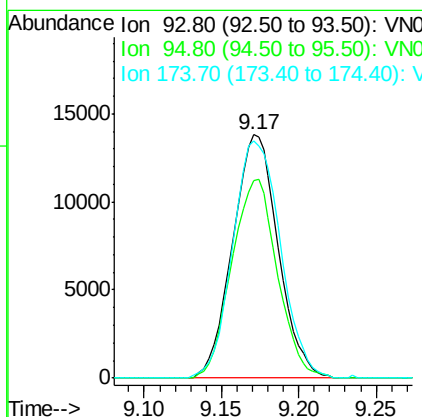
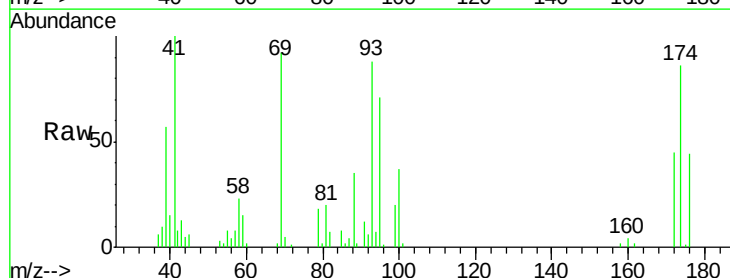
Manual Integrations
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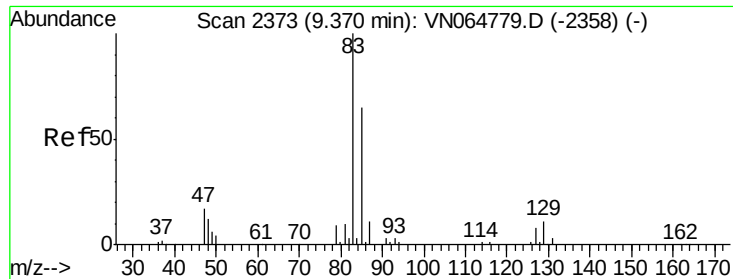
MMDadoda
 12/10/2020 9:14:27 AM



#46
 Dibromomethane
 Concen: 18.368 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion: 93 Resp: 28248
 Ion Ratio Lower Upper
 93 100
 95 81.8 68.8 103.2
 174 102.1 83.1 124.7





#47

Bromodichloromethane

Concen: 18.628 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

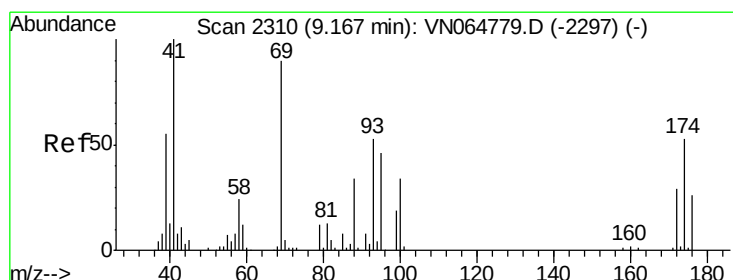
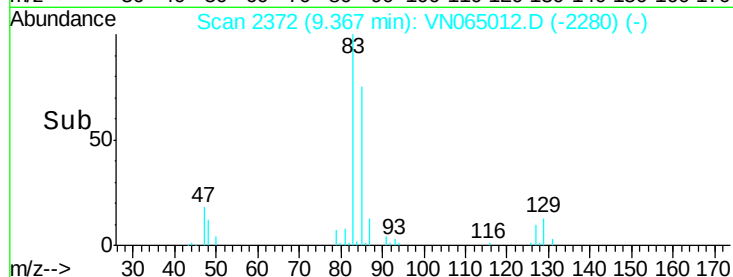
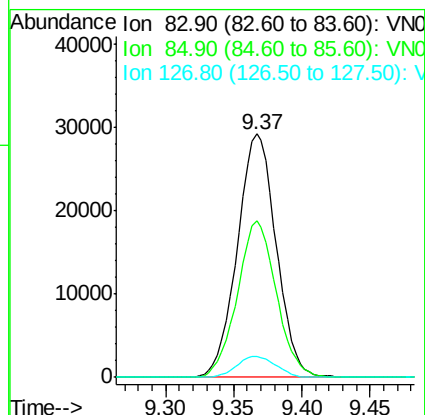
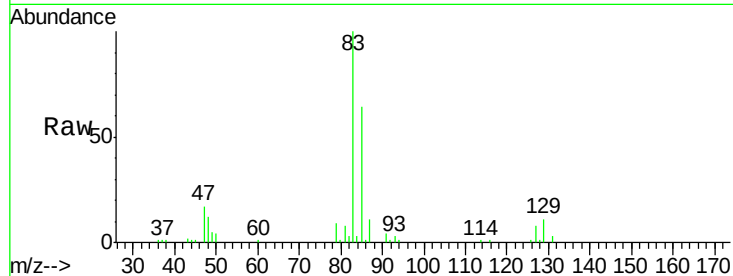
ClientSampleId :

VN1209WBS01

Tot Ion:	83	Resp:	57643
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.8	77.8
127	8.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 16.304 ug/l

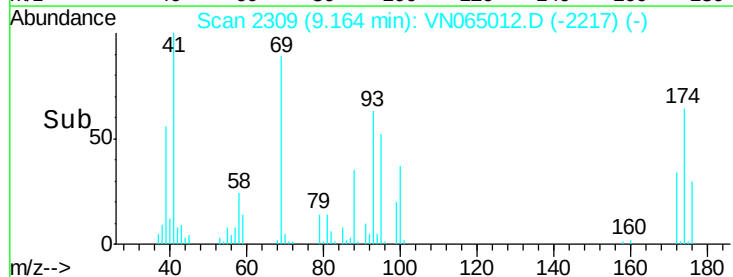
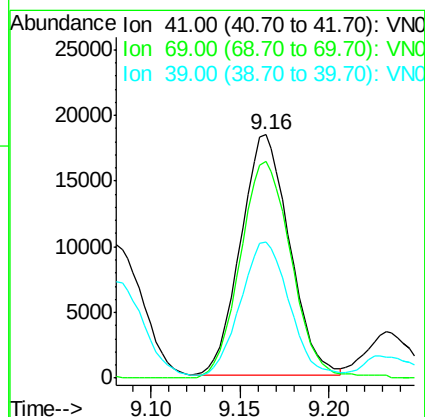
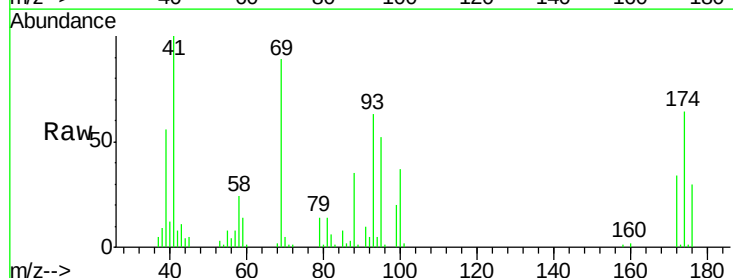
RT: 9.16 min Scan# 2309

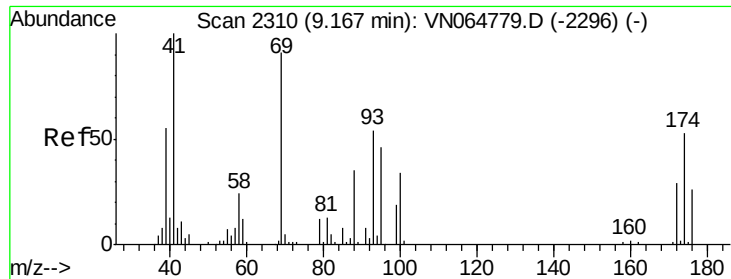
Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Tgt Ion:	41	Resp:	35029
Ion Ratio	Lower	Upper	
41	100		
69	94.3	71.8	107.8
39	55.4	44.1	66.1





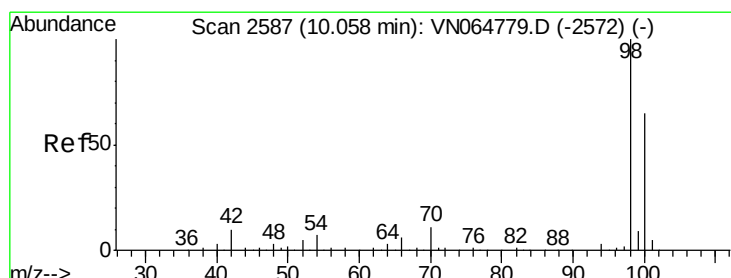
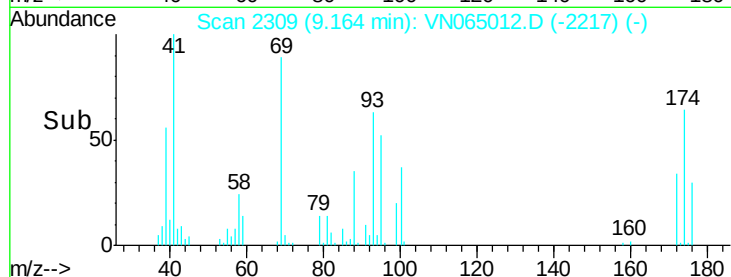
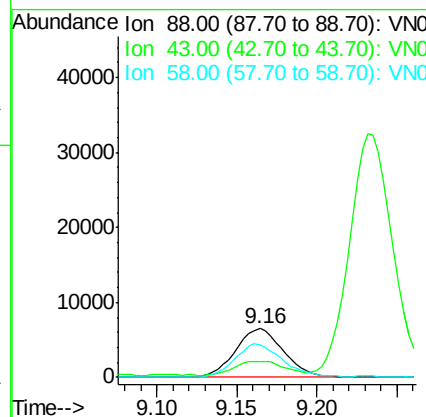
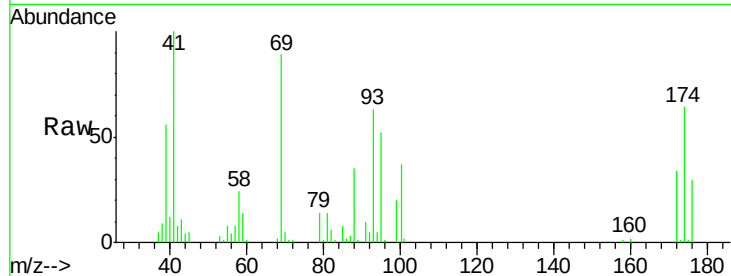
#49
1,4-Dioxane
Concen: 327.925 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.2	36.4
58	68.6	52.5	78.7

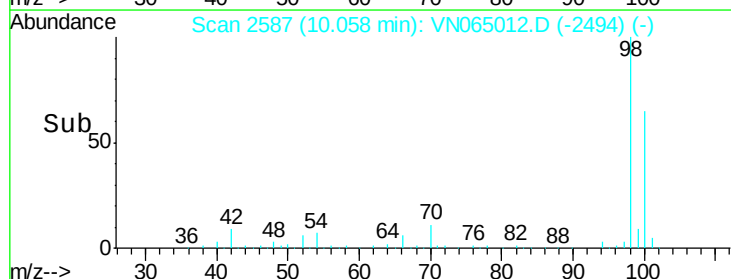
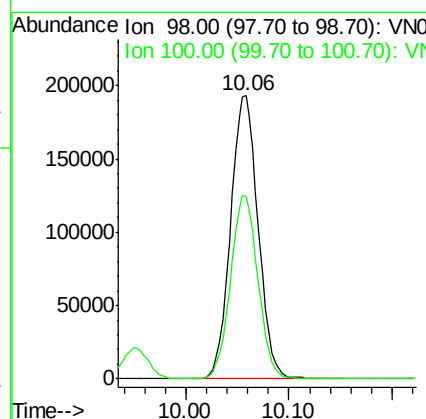
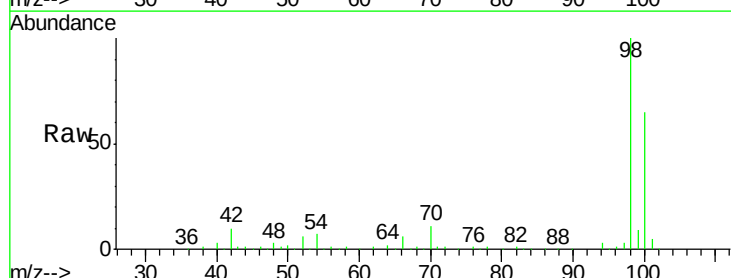
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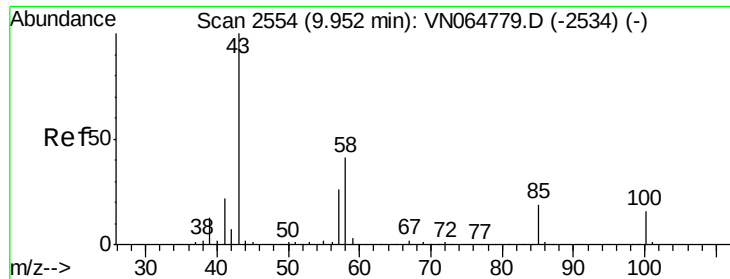
MMDadoda
12/10/2020 9:14:27 AM



#50
Toluene-d8
Concen: 46.845 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 85.271 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion: 43 Resp: 230176

Ion Ratio Lower Upper

43 100

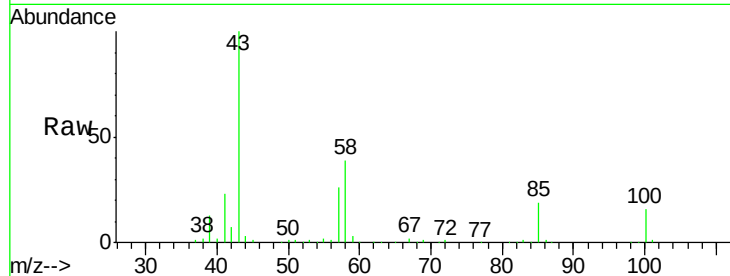
58 40.2 32.4 48.6

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

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

150000

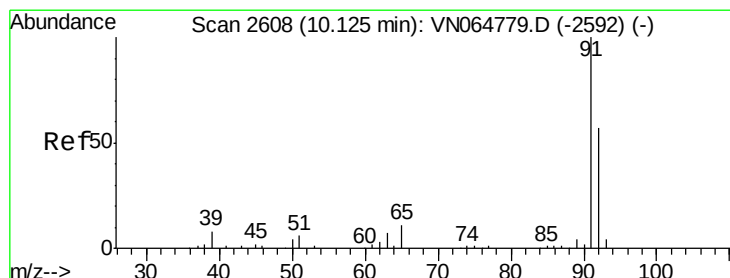
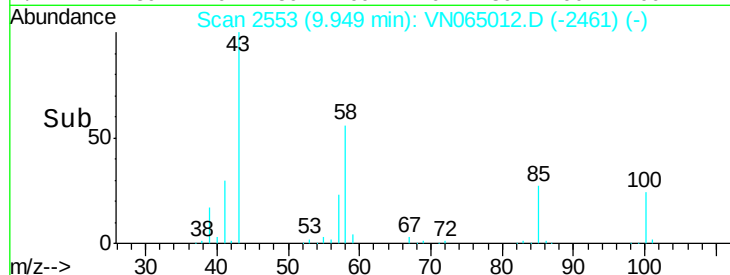
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.680 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN065012.D

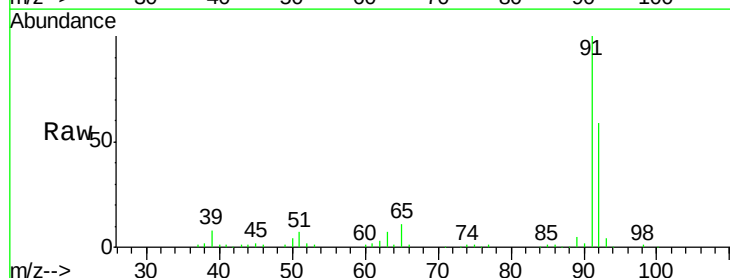
Acq: 9 Dec 2020 11:46

Tgt Ion: 92 Resp: 102261

Ion Ratio Lower Upper

92 100

91 172.3 139.1 208.7



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

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

100000

80000

60000

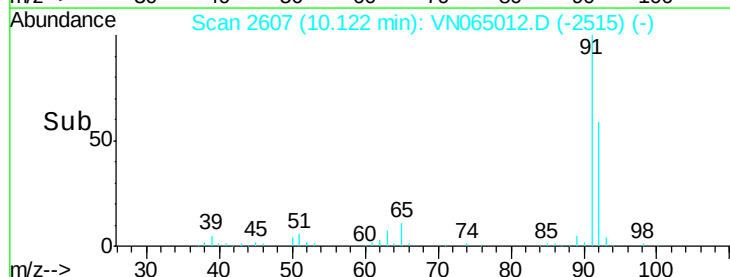
40000

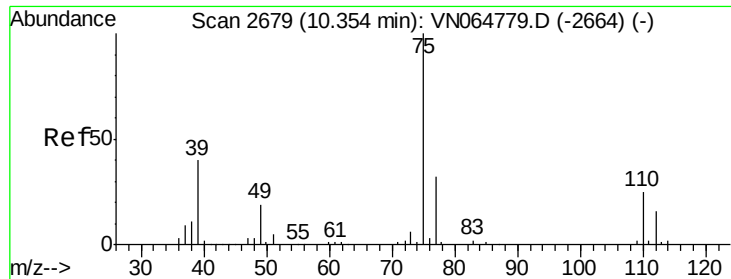
20000

0

10.10 10.12 10.20

Time-->





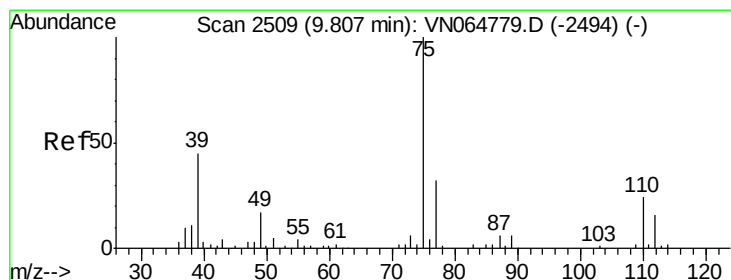
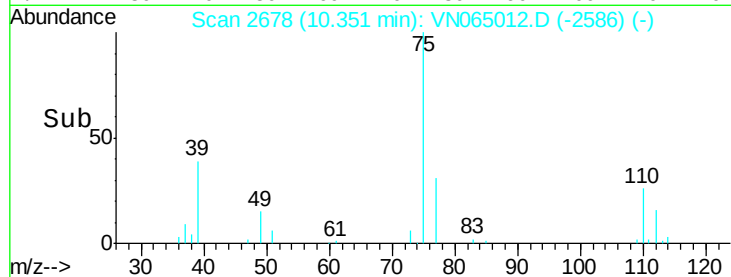
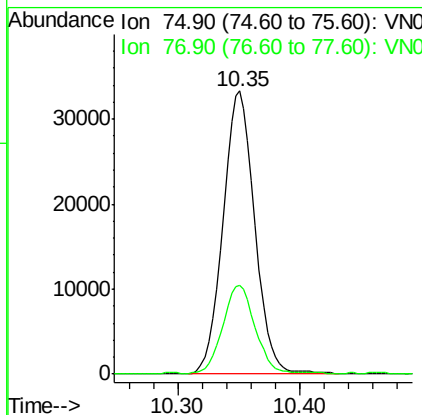
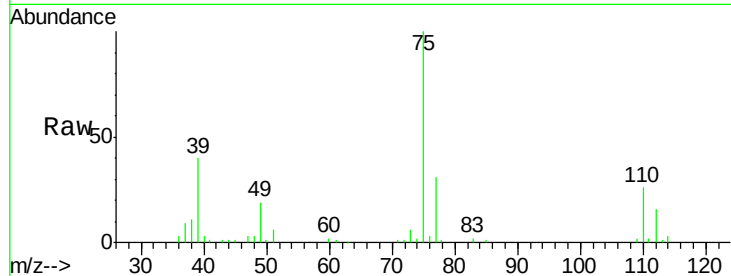
#53
t-1,3-Dichloropropene
Concen: 17.584 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 75 Resp: 60605
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6

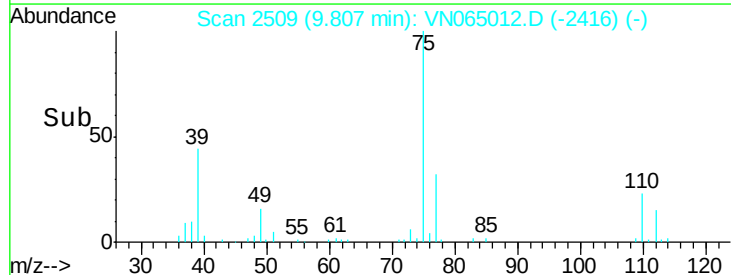
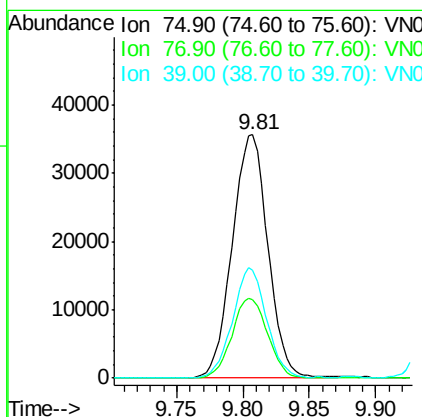
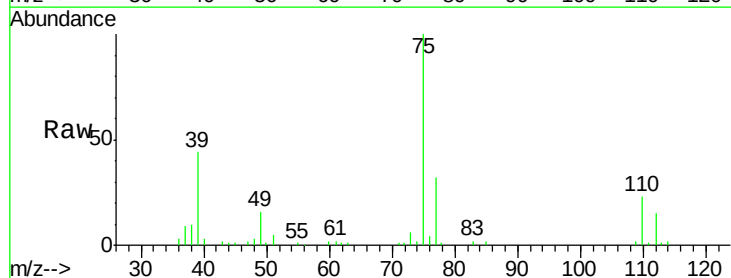
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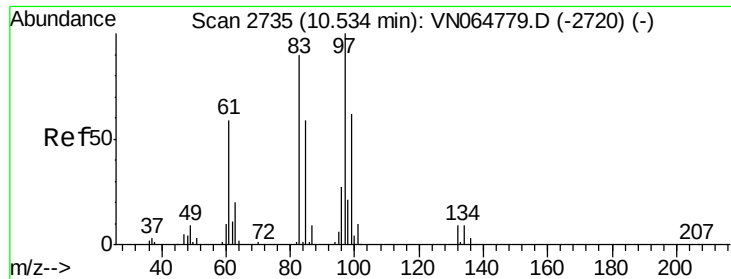
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.049 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 75 Resp: 66677
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
39 44.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 18.407 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion: 97 Resp: 41435

Ion Ratio Lower Upper

97 100

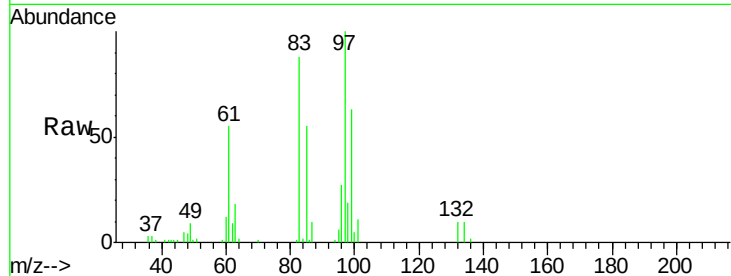
83 88.5 72.1 108.1

85 54.9 46.8 70.2

99 62.6 49.6 74.4

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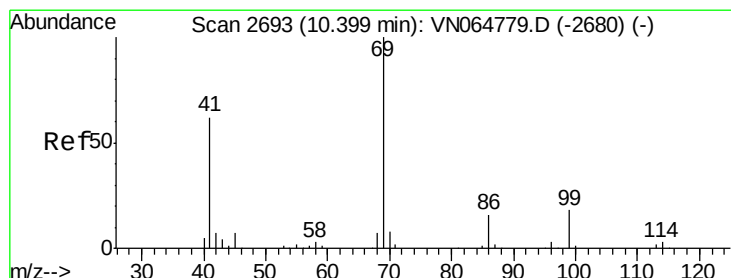
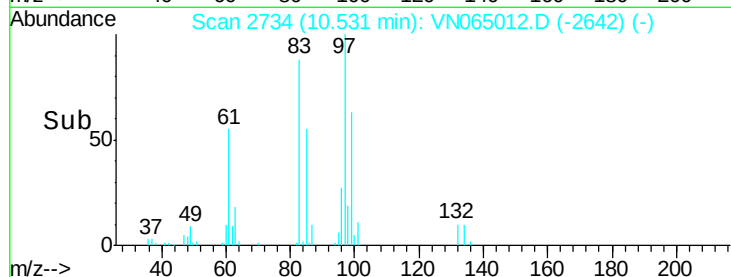
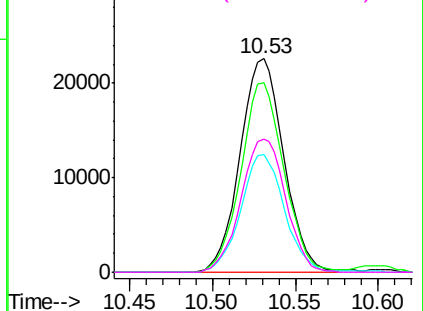


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.543 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Tgt Ion: 69 Resp: 54496

Ion Ratio Lower Upper

69 100

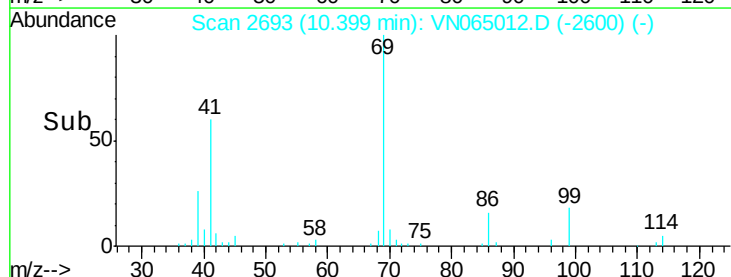
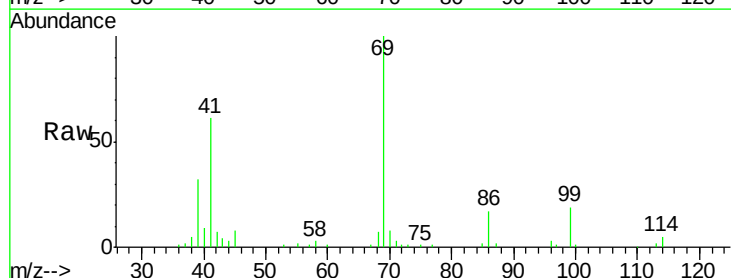
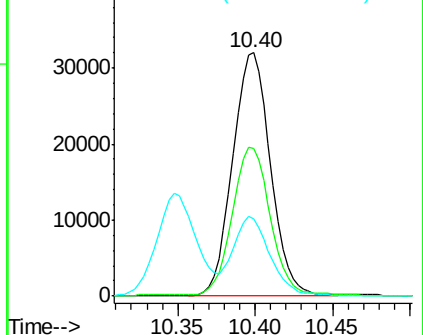
41 62.2 49.4 74.0

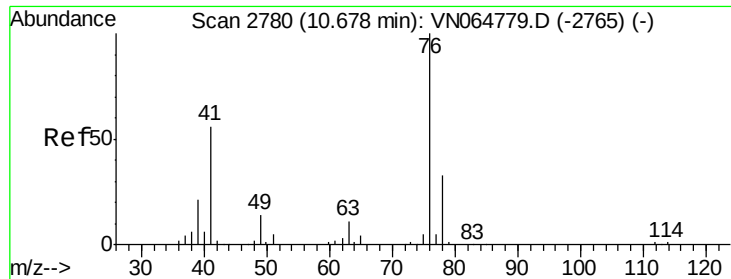
39 31.9 25.9 38.9

Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





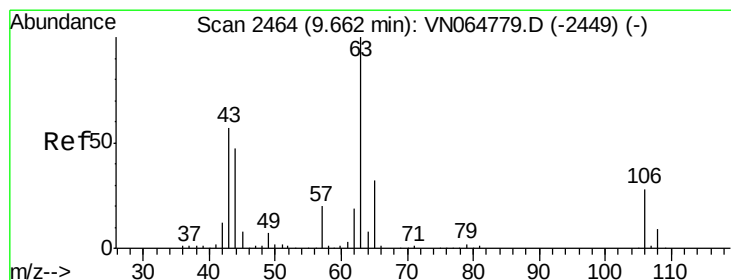
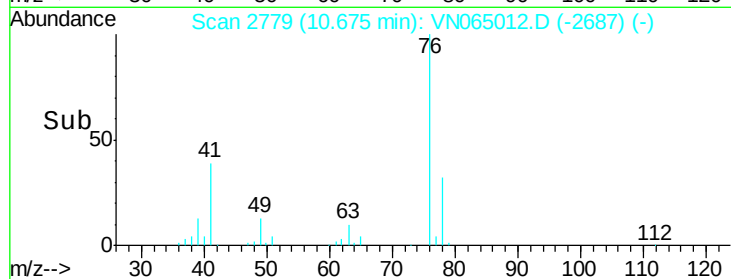
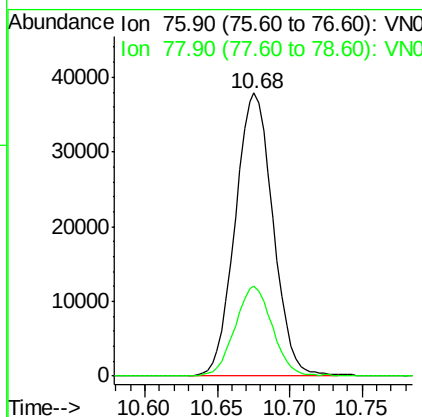
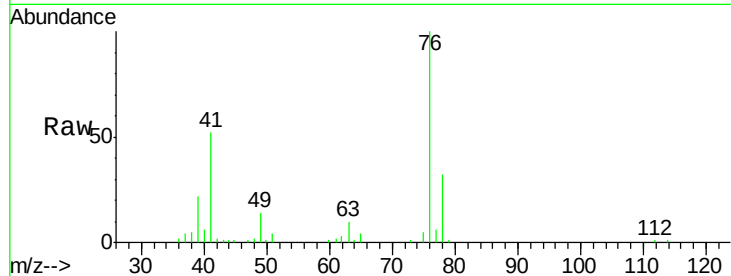
#57
 1,3-Dichloropropane
 Concen: 18.511 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Tot Ion: 76 Resp: 68738
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.1 39.1

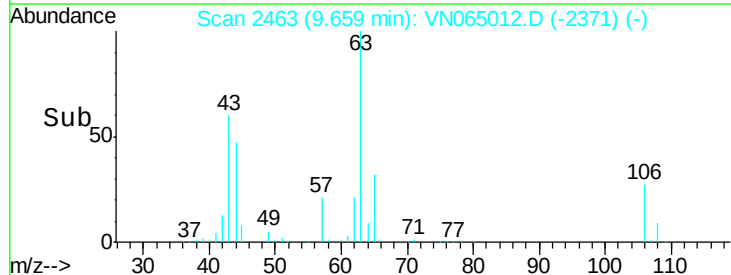
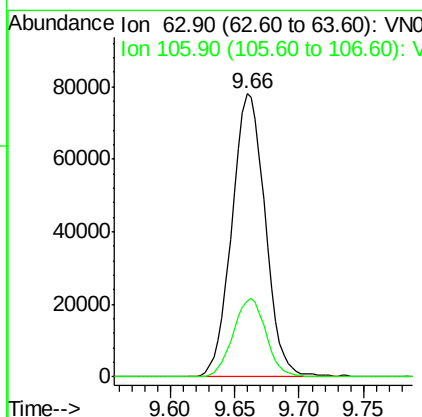
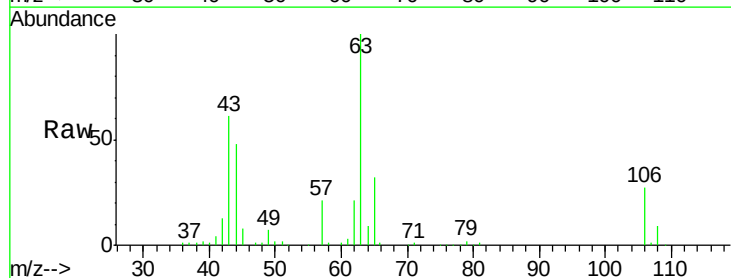
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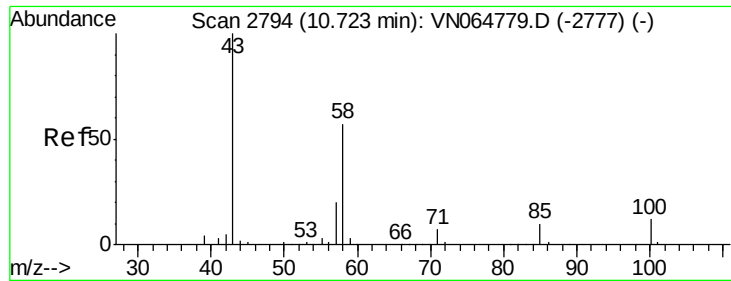
MMDadoda
 12/10/2020 9:14:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.144 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion: 63 Resp: 140362
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.7 34.1





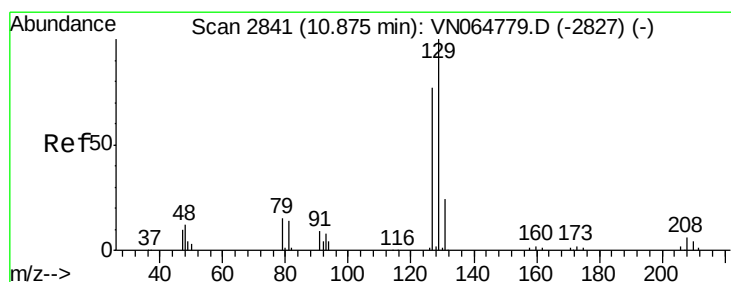
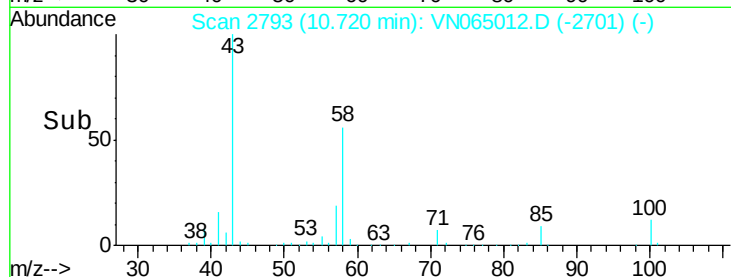
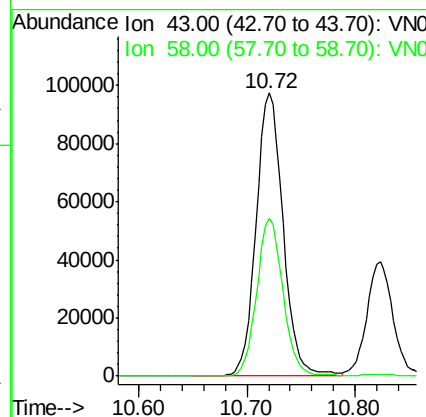
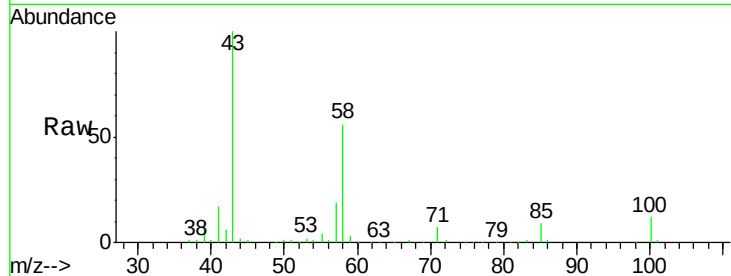
#59
2-Hexanone
Concen: 86.296 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 43 Resp: 167645
Ion Ratio Lower Upper
43 100
58 54.7 28.3 84.9

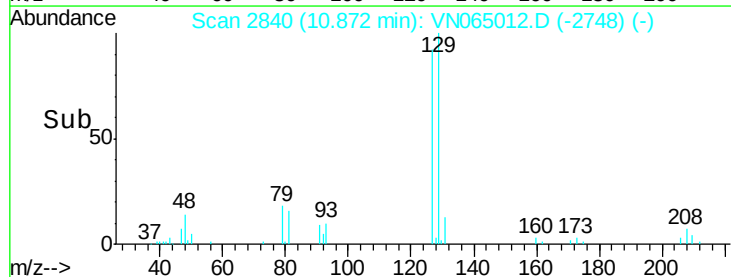
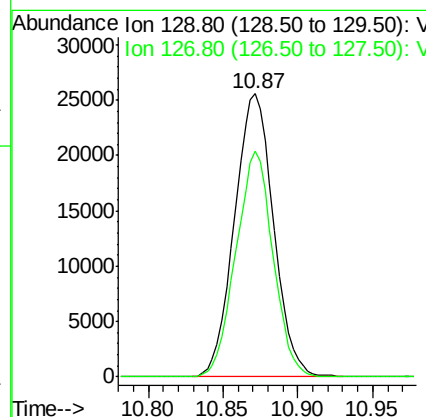
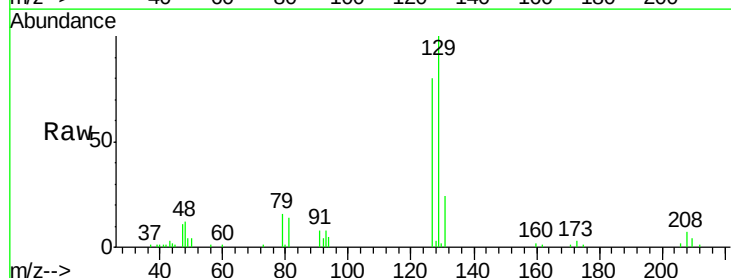
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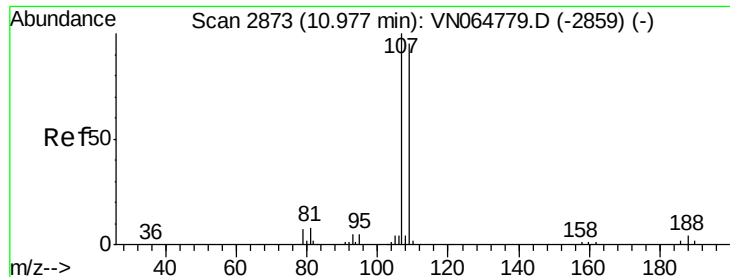
MMDadoda
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#60
Dibromochloromethane
Concen: 18.577 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 129 Resp: 46484
Ion Ratio Lower Upper
129 100
127 75.7 39.1 117.2





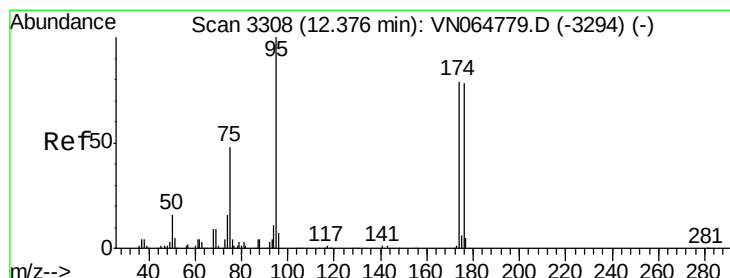
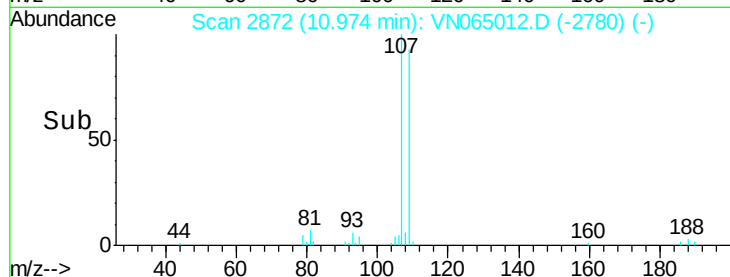
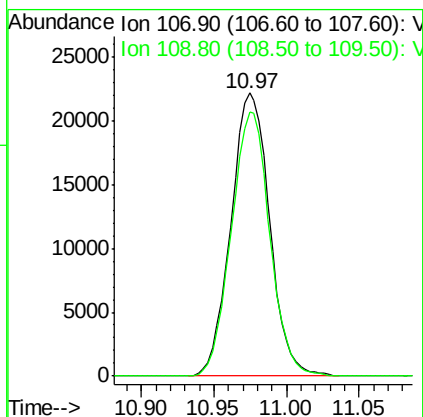
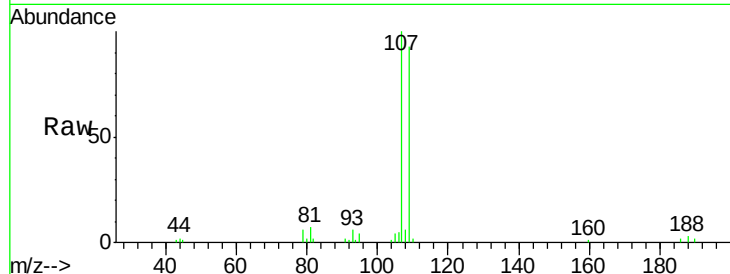
#61
1,2-Dibromoethane
Concen: 17.974 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 107 Resp: 41107
Ion Ratio Lower Upper
107 100
109 93.0 76.0 114.0

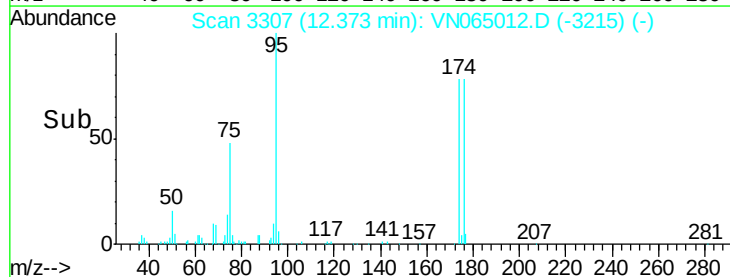
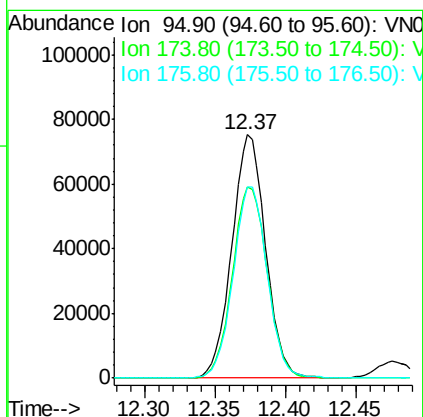
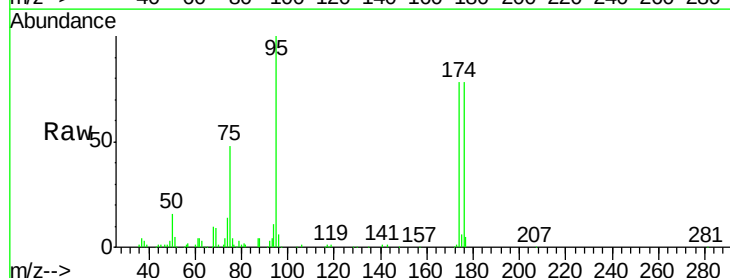
Manual Integrations
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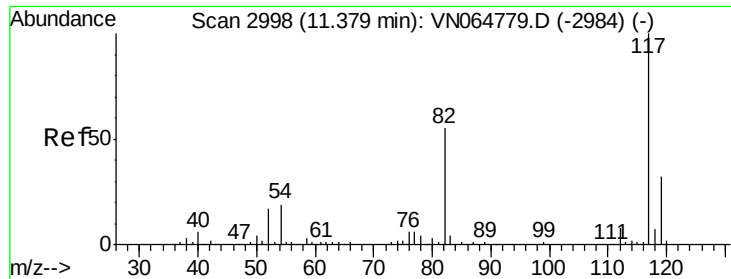
MMDadoda
12/10/2020 9:14:27 AM



#62
4-Bromofluorobenzene
Concen: 46.065 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 95 Resp: 126140
Ion Ratio Lower Upper
95 100
174 81.1 0.0 160.4
176 79.6 0.0 158.4





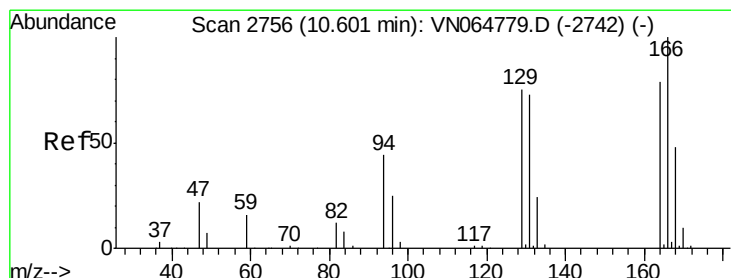
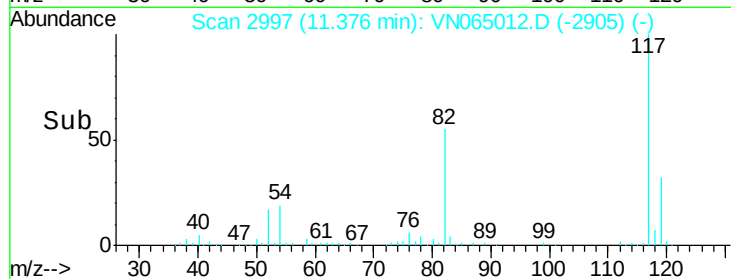
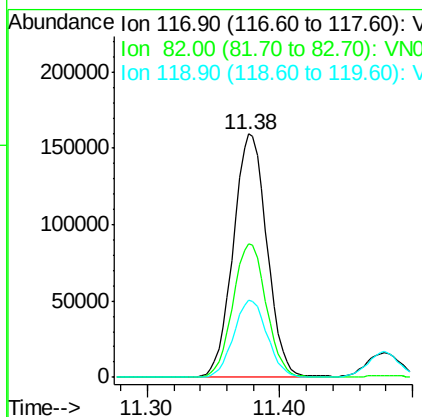
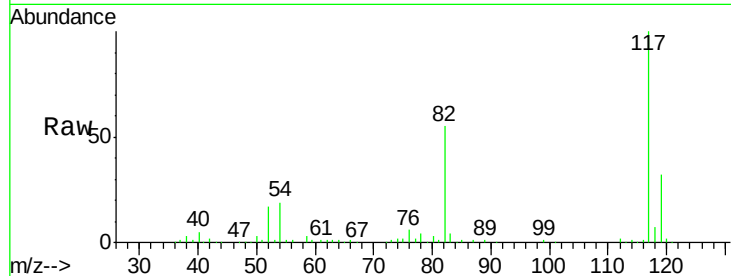
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	31.6	25.8	38.6

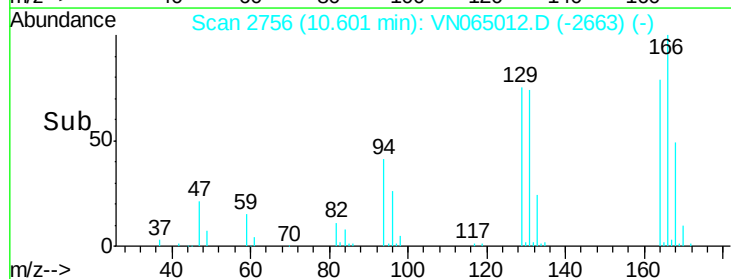
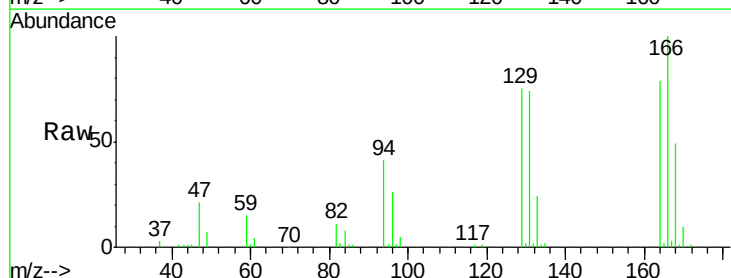
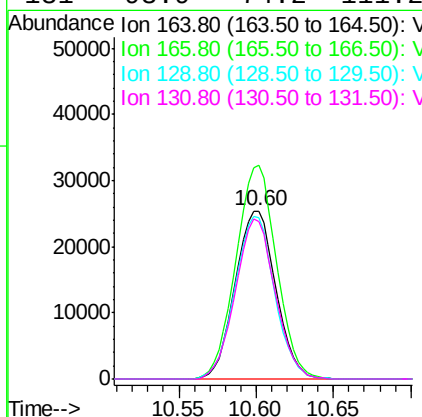
Manual Integrations
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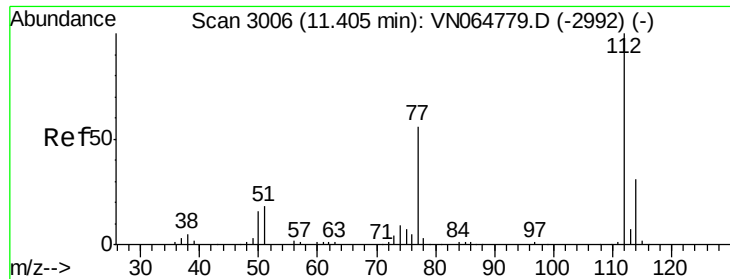
MMDadoda
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#64
Tetrachloroethene
Concen: 16.898 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.4	152.0
129	95.9	76.1	114.1
131	93.9	74.2	111.2





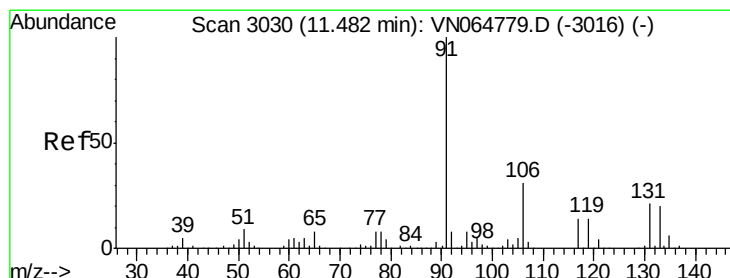
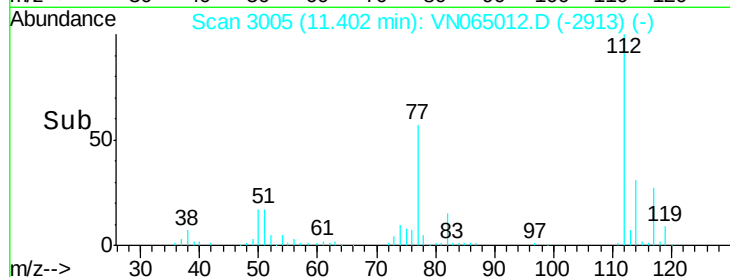
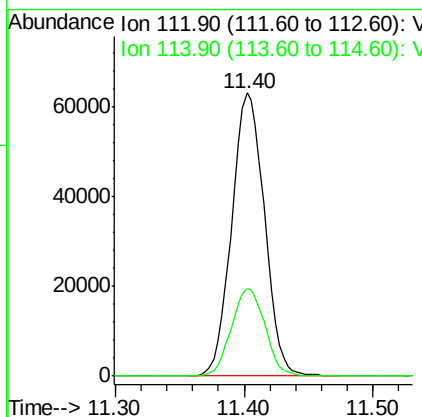
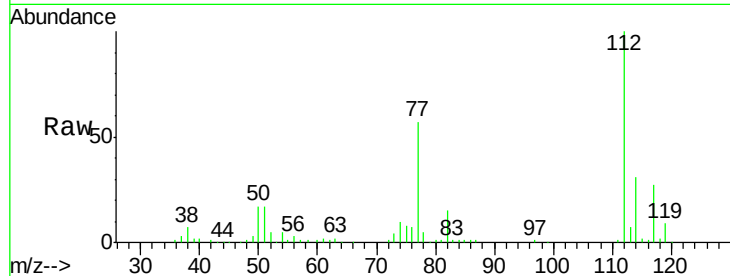
#65
Chlorobenzene
Concen: 18.458 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion:112 Resp: 111554
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7

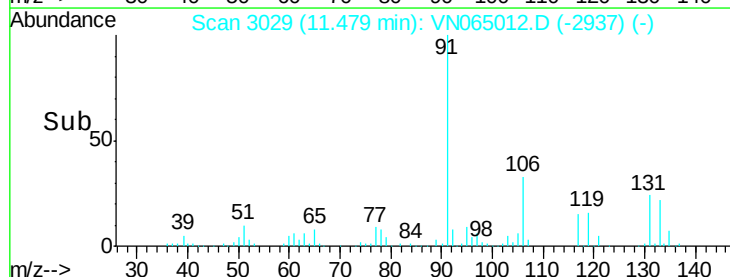
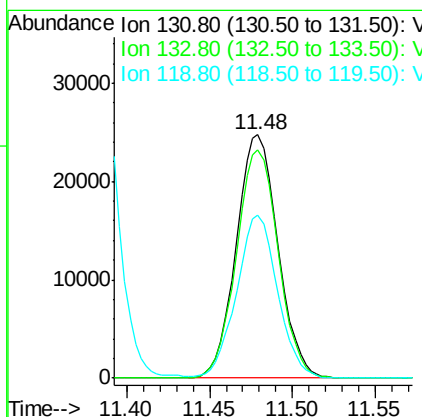
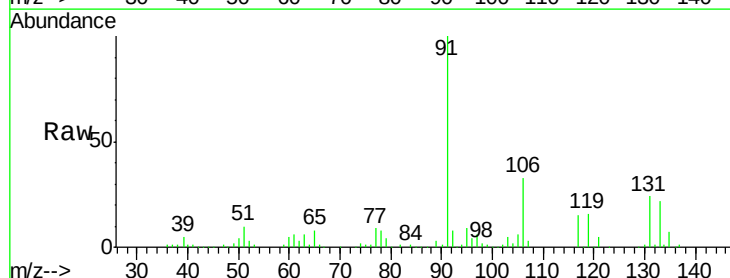
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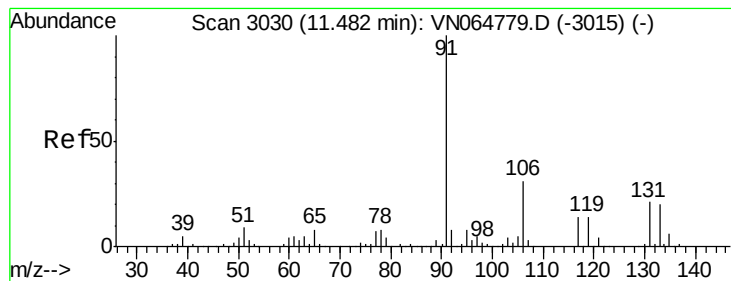
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.489 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion:131 Resp: 43288
Ion Ratio Lower Upper
131 100
133 94.0 47.5 142.5
119 65.8 33.3 99.8





#67

Ethyl Benzene

Concen: 17.805 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion: 91 Resp: 179766

Ion Ratio Lower Upper

91 100

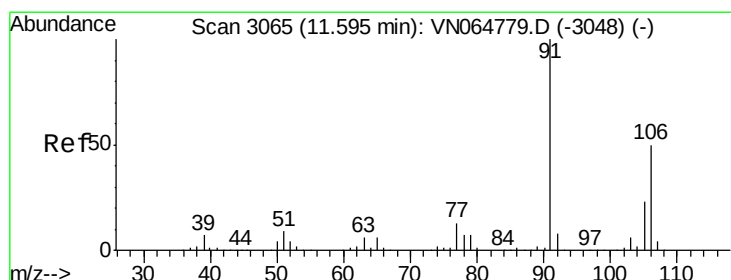
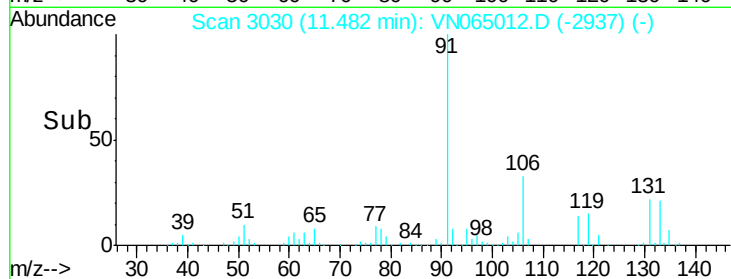
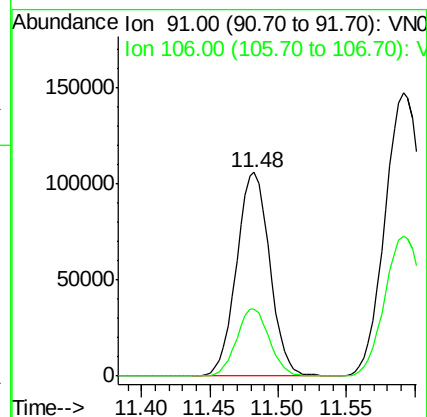
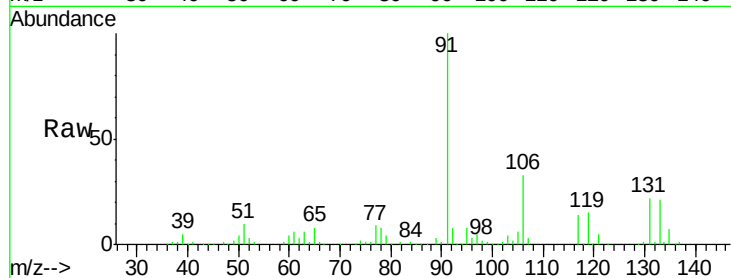
106 33.1 25.2 37.8

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#68

m/p-Xylenes

Concen: 37.446 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN065012.D

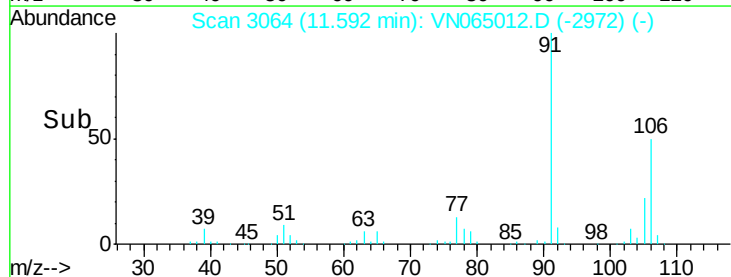
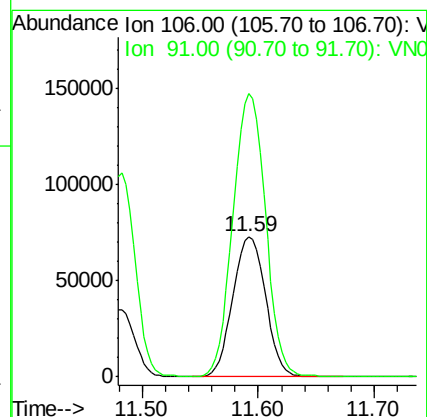
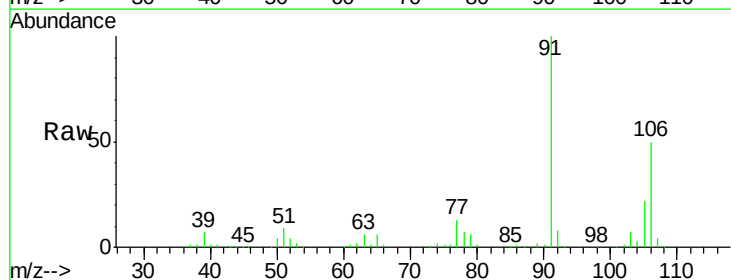
Acq: 9 Dec 2020 11:46

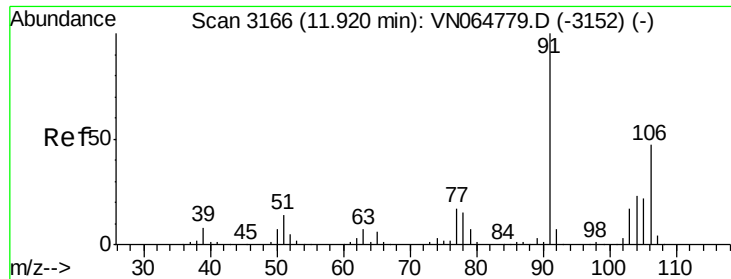
Tgt Ion: 106 Resp: 143140

Ion Ratio Lower Upper

106 100

91 201.2 161.0 241.4





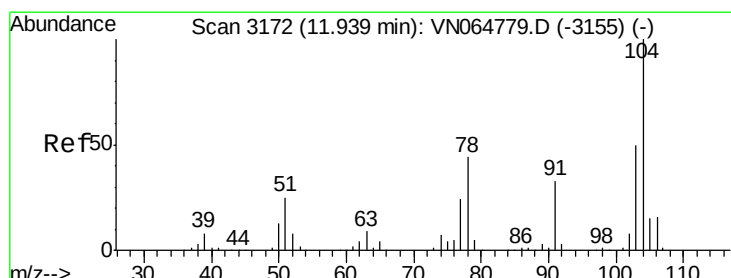
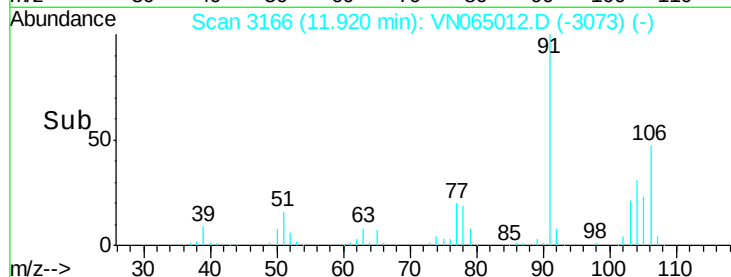
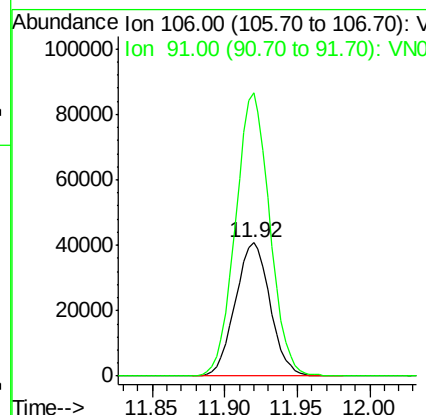
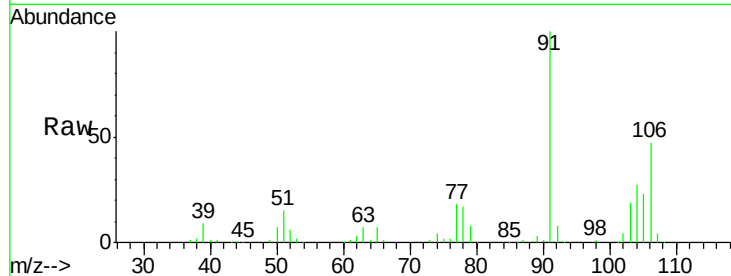
#69
o-Xylene
Concen: 18.746 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion:106 Resp: 68000
Ion Ratio Lower Upper
106 100
91 208.5 105.5 316.5

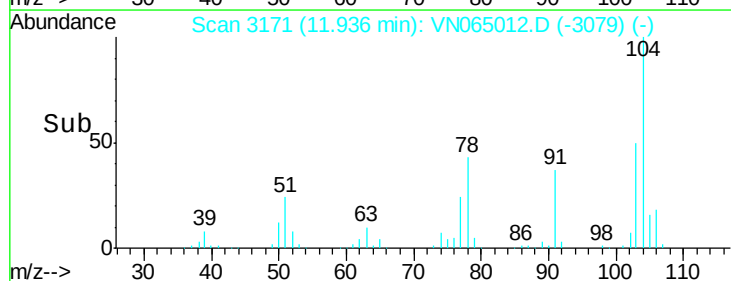
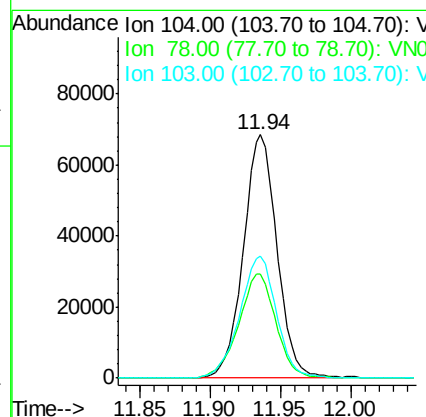
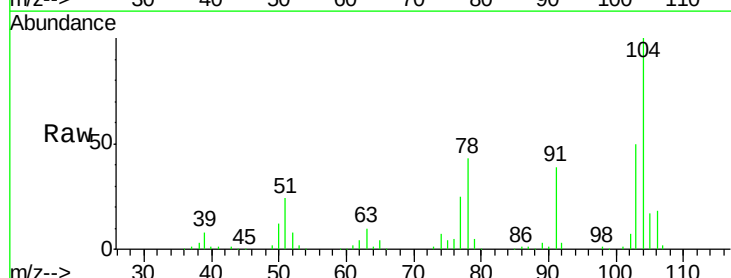
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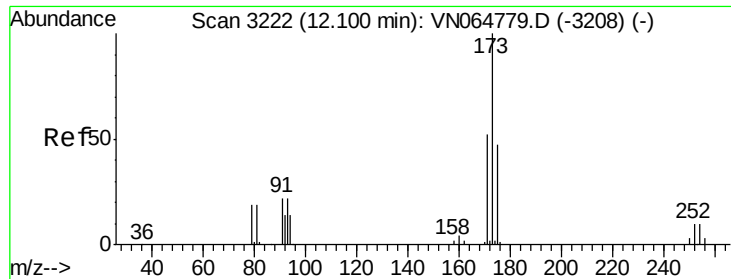
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#70
Styrene
Concen: 18.722 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion:104 Resp: 114648
Ion Ratio Lower Upper
104 100
78 47.6 39.0 58.6
103 54.5 44.3 66.5





#71

Bromoform

Concen: 17.634 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion:173 Resp: 31282

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

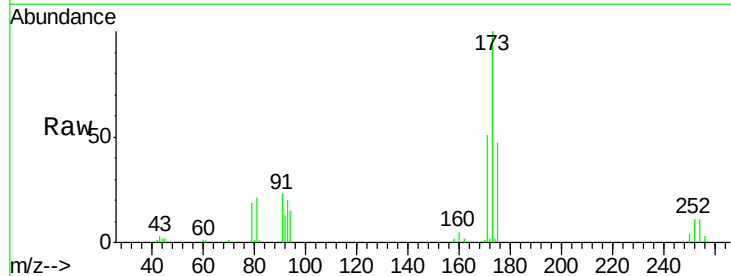
254 0.0 0.0 0.0

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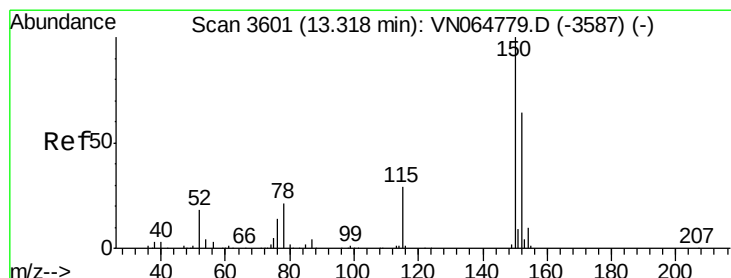
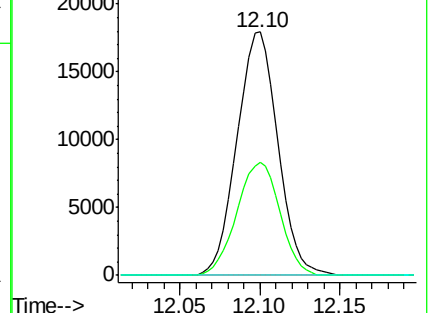
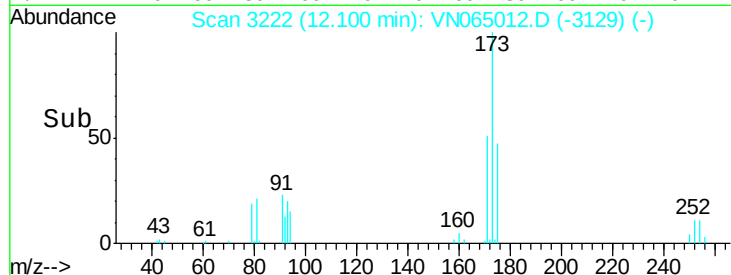
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN065012.D

Acq: 9 Dec 2020 11:46

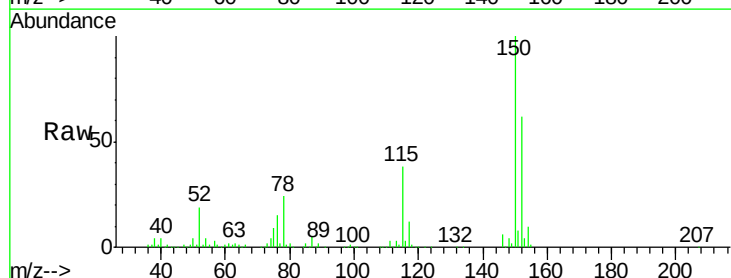
Tgt Ion:152 Resp: 136124

Ion Ratio Lower Upper

152 100

115 57.8 29.7 89.1

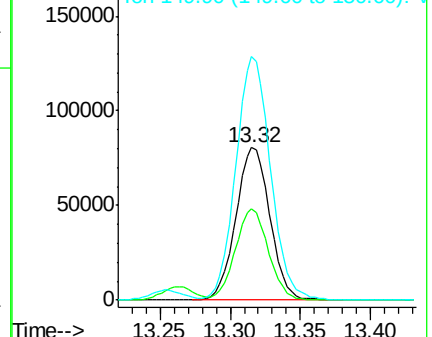
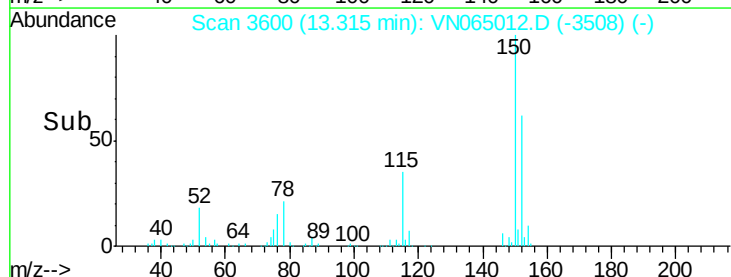
150 162.0 0.0 350.6

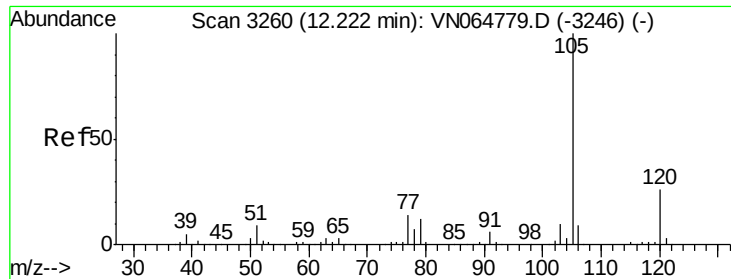


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





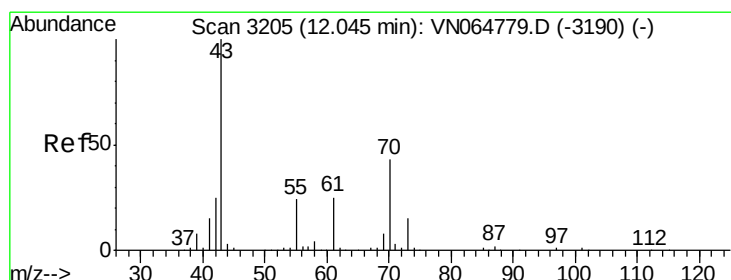
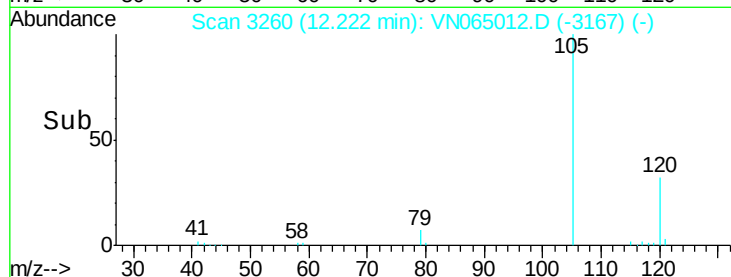
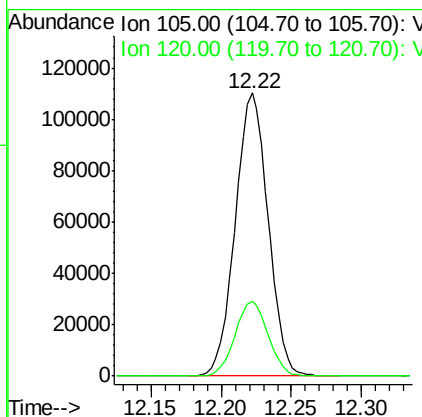
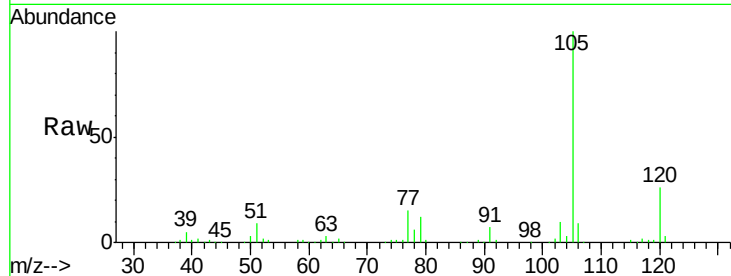
#73
Isopropylbenzene
Concen: 19.039 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion: 105 Resp: 180264
Ion Ratio Lower Upper
105 100
120 26.4 13.3 39.9

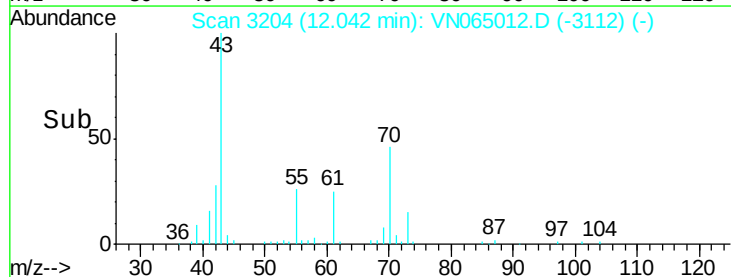
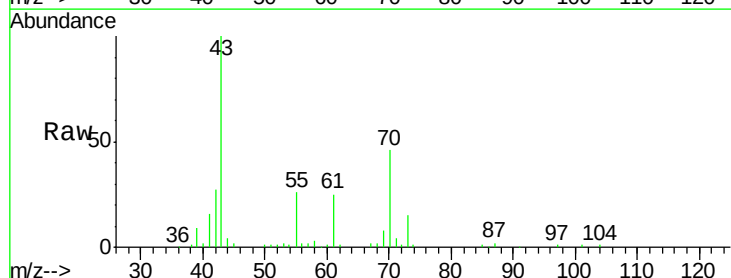
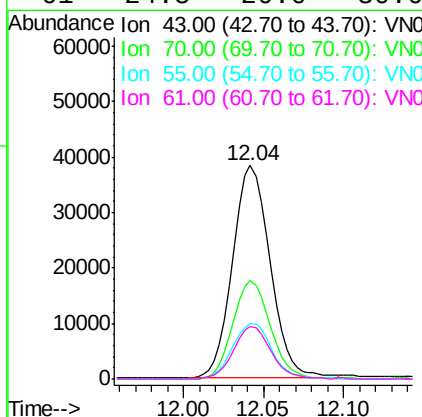
Manual Integrations
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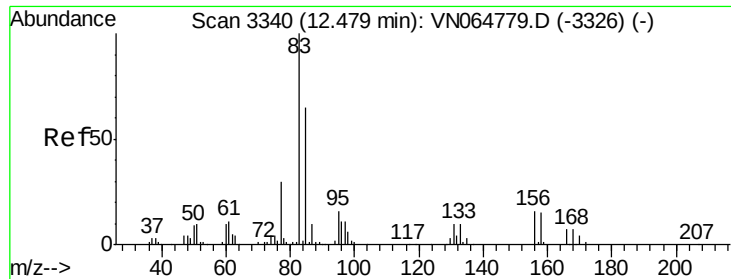
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#74
N-ethyl acetate
Concen: 16.513 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion: 43 Resp: 61531
Ion Ratio Lower Upper
43 100
70 46.3 34.5 51.7
55 27.3 20.4 30.6
61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.122 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

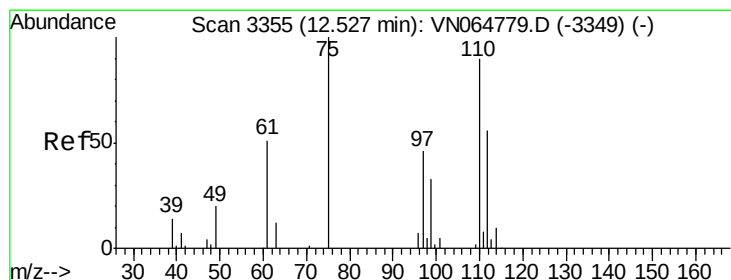
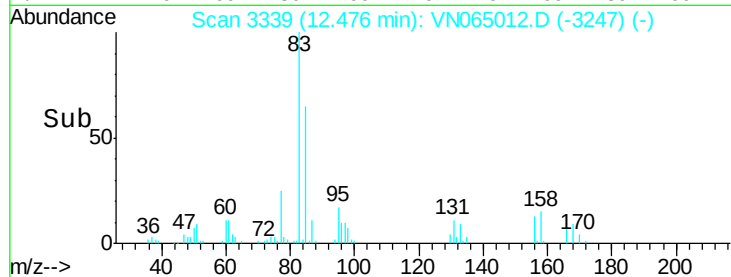
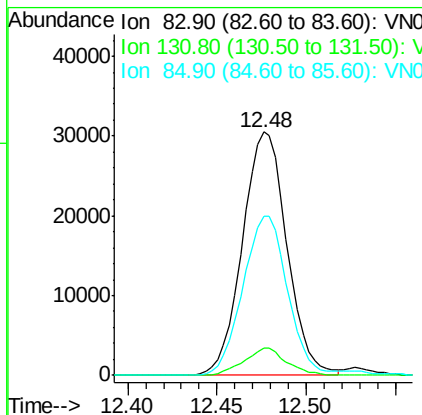
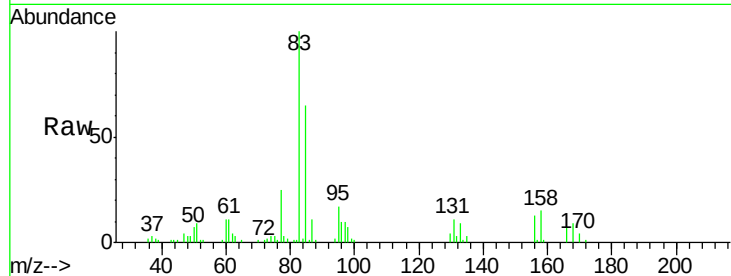
ClientSampleId :

VN1209WBS01

Tot Ion:	83	Resp:	53067
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	65.4	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 18.634 ug/l m

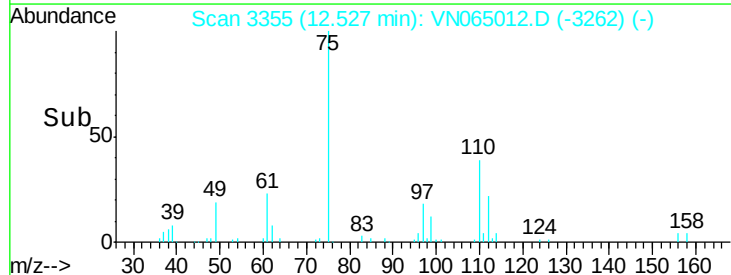
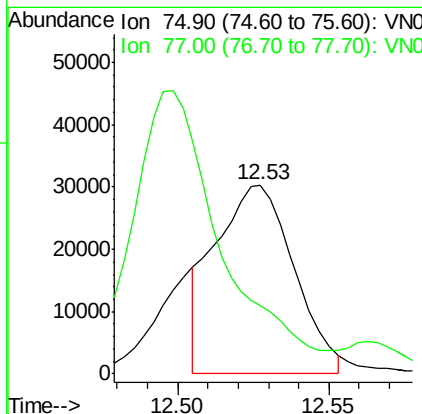
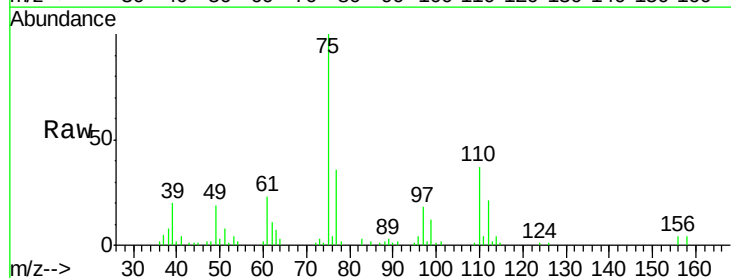
RT: 12.53 min Scan# 3355

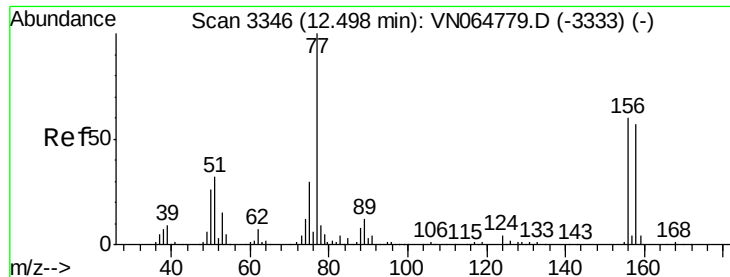
Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Tgt Ion:	75	Resp:	54626
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.380 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion:156 Resp: 46919

Ion Ratio Lower Upper

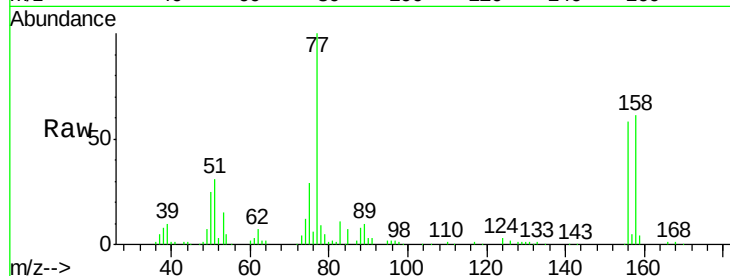
156 100

77 199.7 101.3 303.7

158 99.2 48.2 144.6

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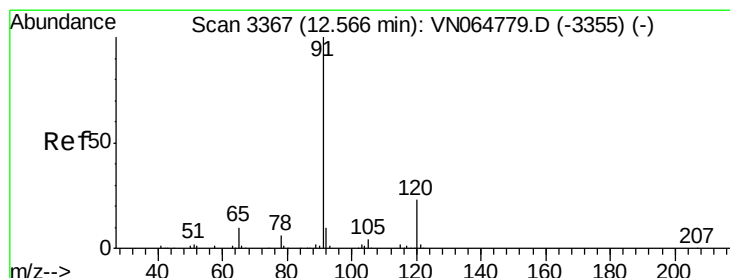
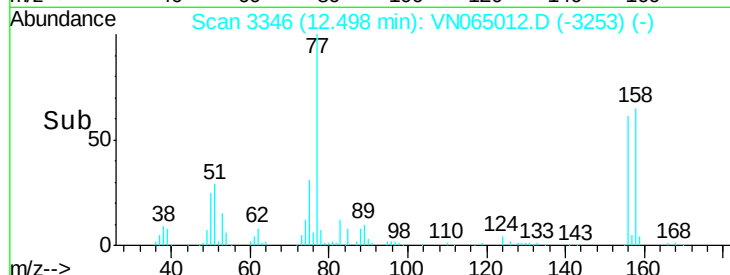
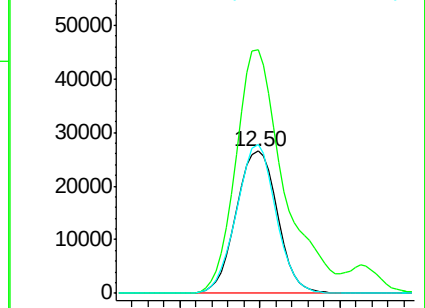
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.592 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN065012.D

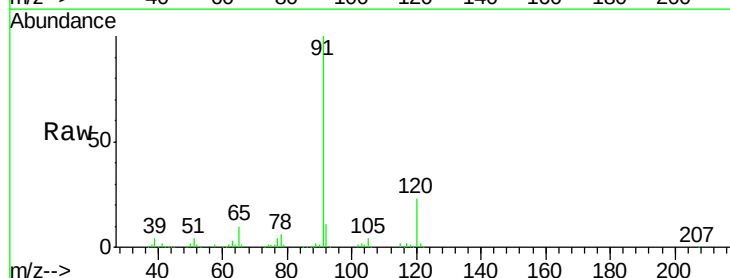
Acq: 9 Dec 2020 11:46

Tgt Ion: 91 Resp: 200538

Ion Ratio Lower Upper

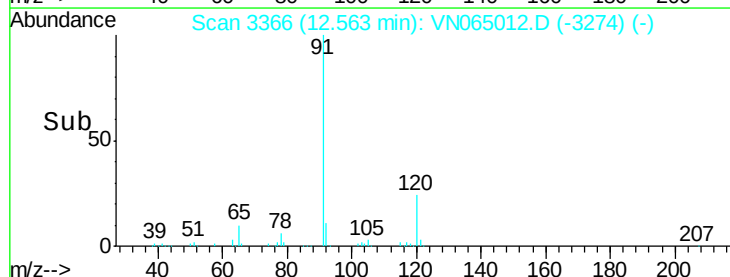
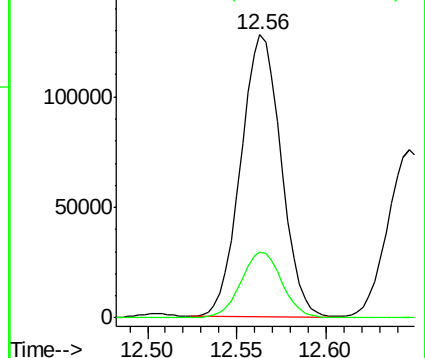
91 100

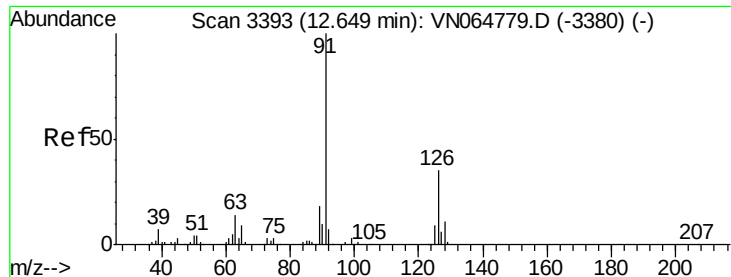
120 23.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.777 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion: 91 Resp: 125198

Ion Ratio Lower Upper

91 100

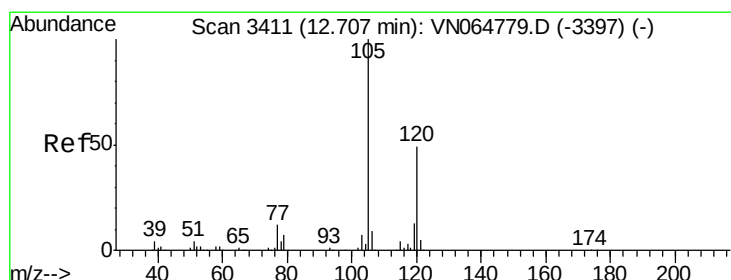
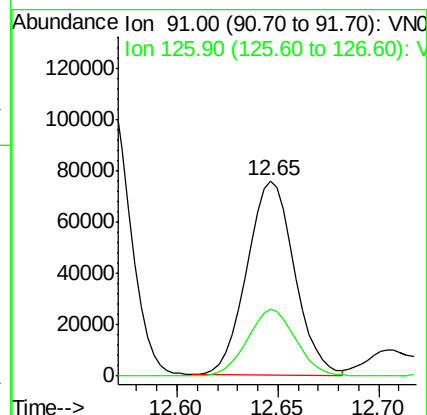
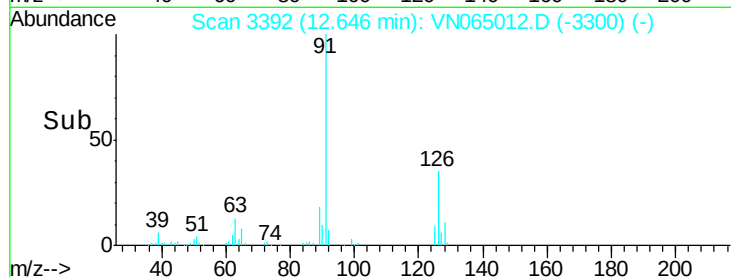
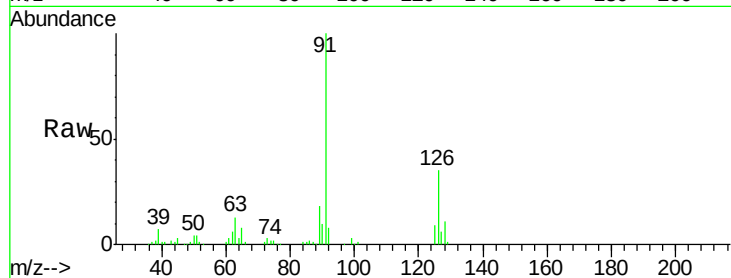
126 35.1 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 19.516 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN065012.D

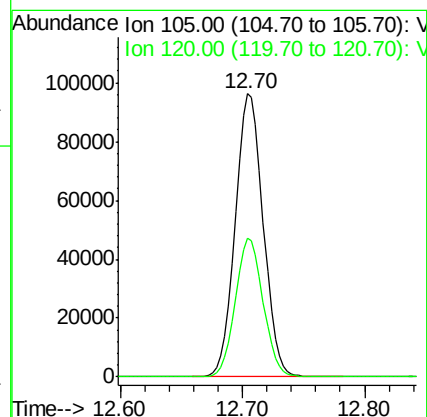
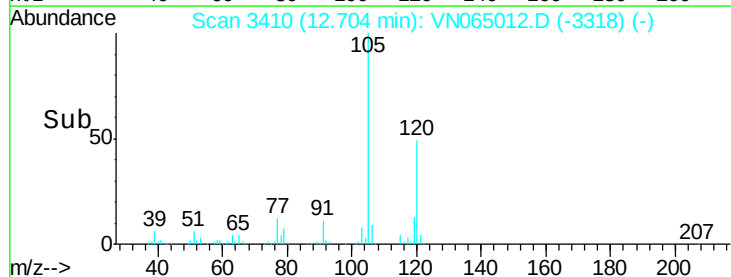
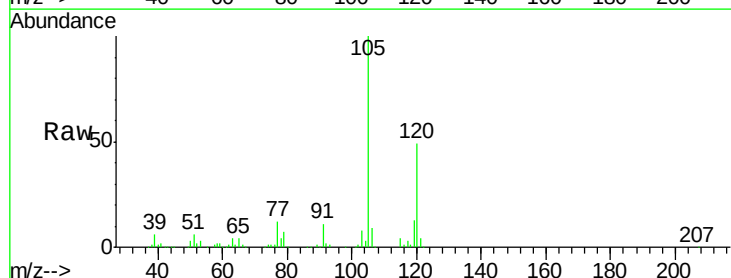
Acq: 9 Dec 2020 11:46

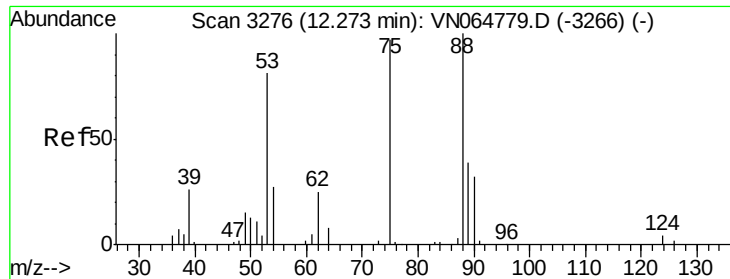
Tgt Ion: 105 Resp: 153592

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.6





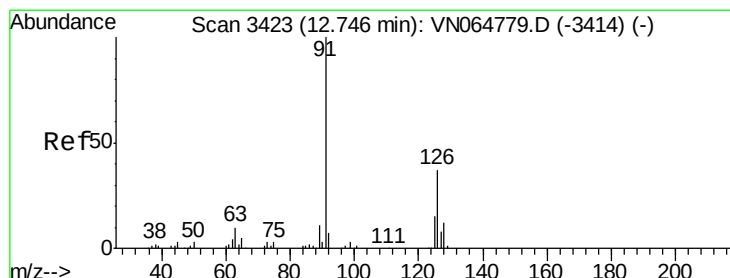
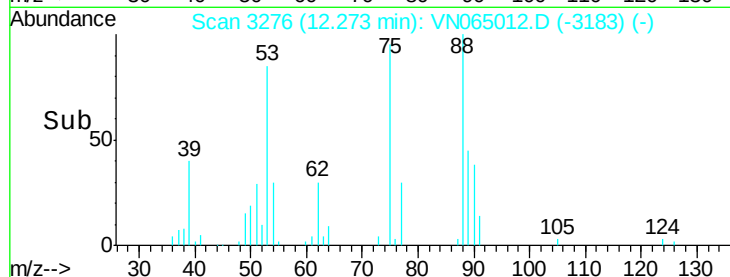
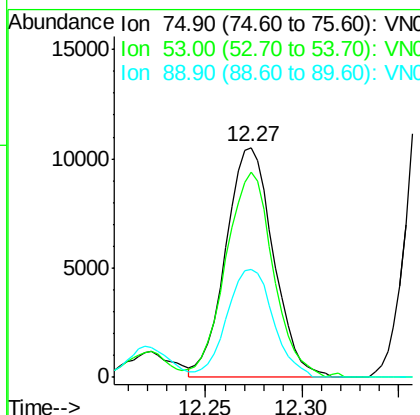
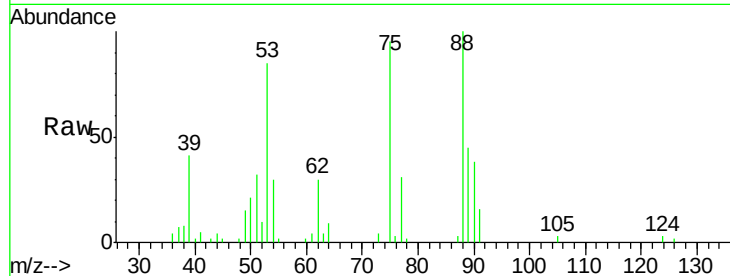
#81
trans-1,4-Dichloro-2-butene
Concen: 16.828 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	67.0	100.4
89	45.9	39.6	59.4

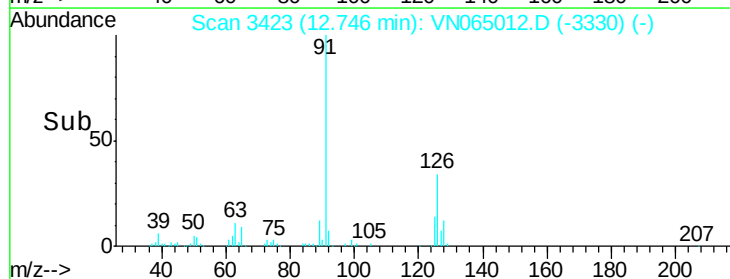
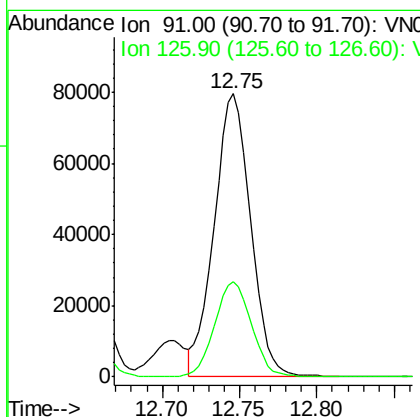
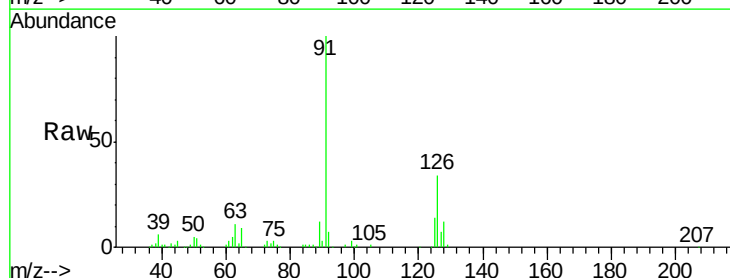
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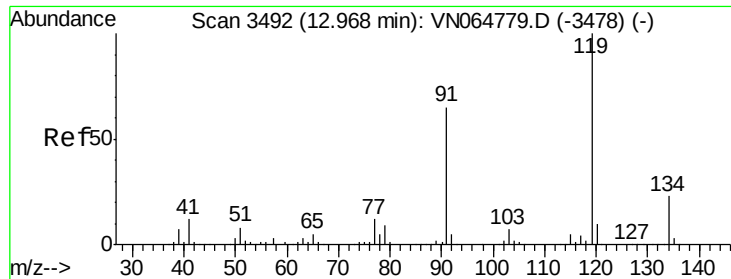
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#82
4-Chlorotoluene
Concen: 18.542 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





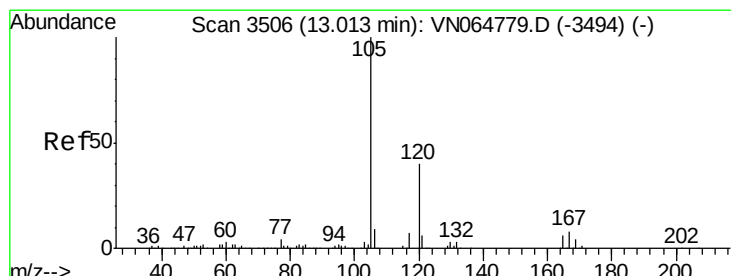
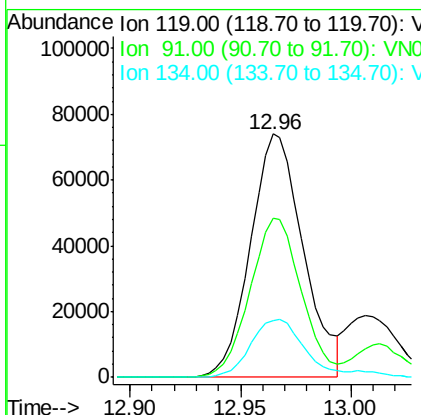
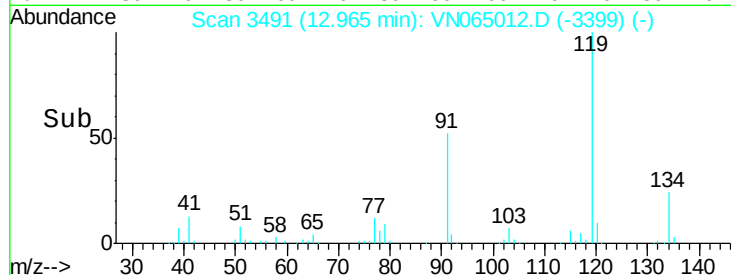
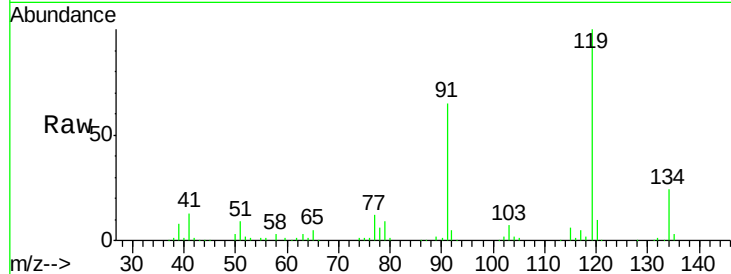
#83
 tert-Butylbenzene
 Concen: 18.640 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Tot Ion:	119	Resp:	122960
Ion Ratio	Lower	Upper	
119	100		
91	63.7	32.3	96.8
134	23.9	12.6	37.6

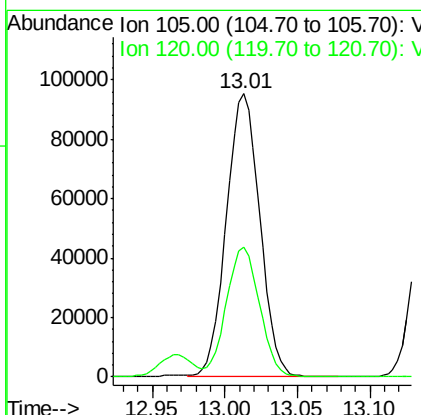
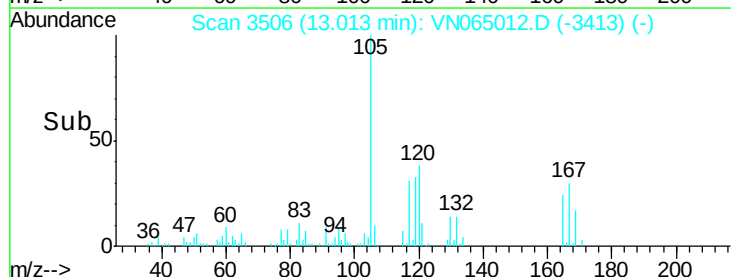
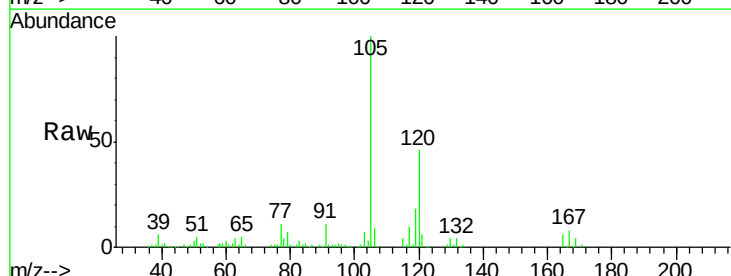
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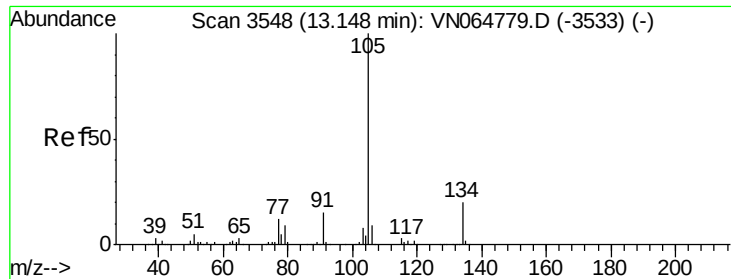
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.215 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion:	105	Resp:	152897
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.710 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tot Ion:105 Resp: 163876

Ion Ratio Lower Upper

105 100

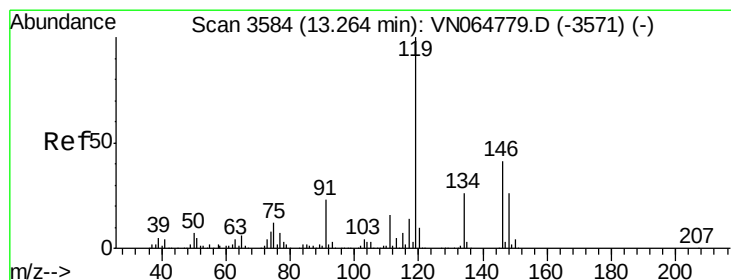
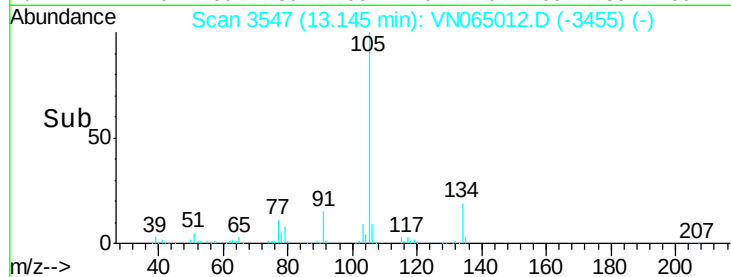
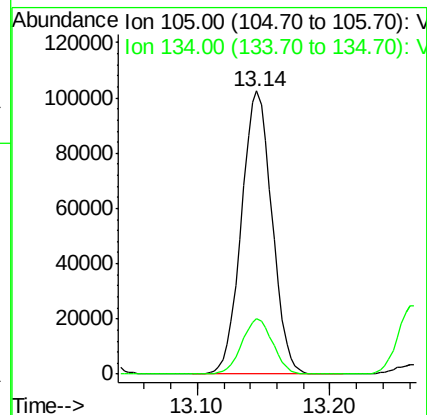
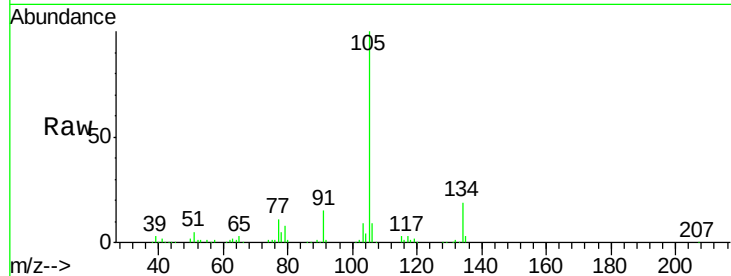
134 19.8 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.890 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN065012.D

Acq: 9 Dec 2020 11:46

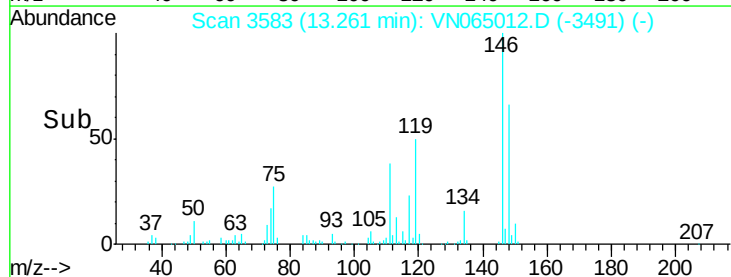
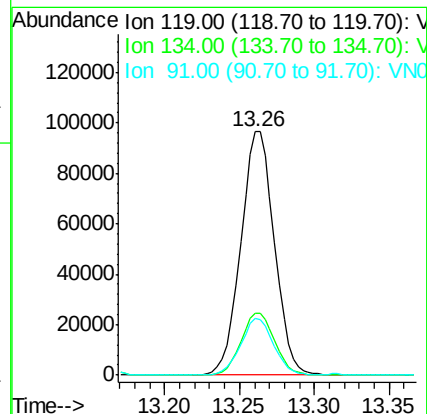
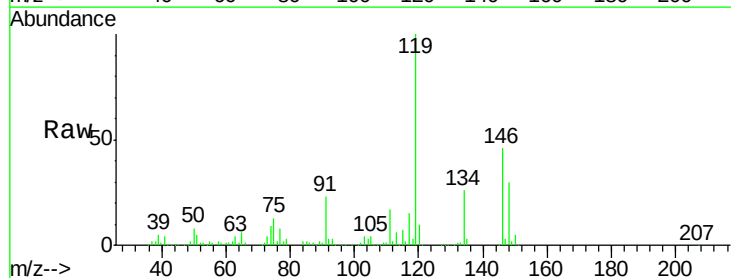
Tgt Ion:119 Resp: 150631

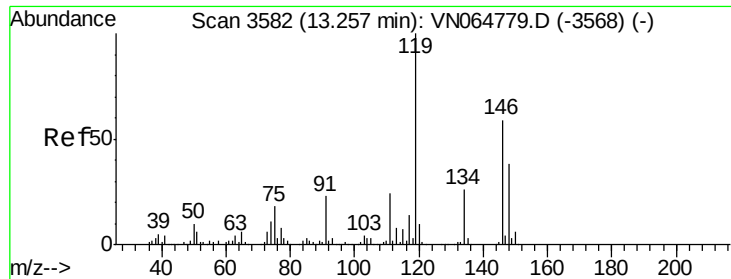
Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.1

91 22.9 11.5 34.5





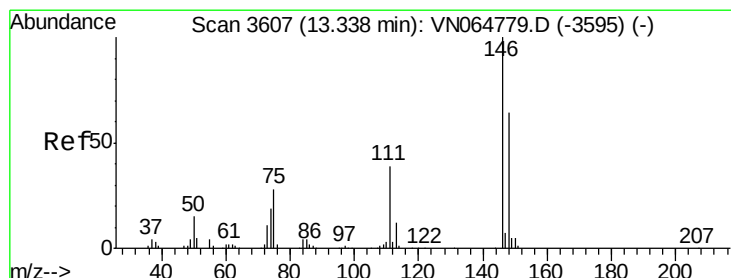
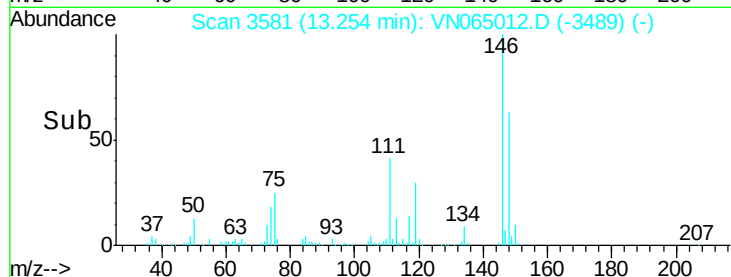
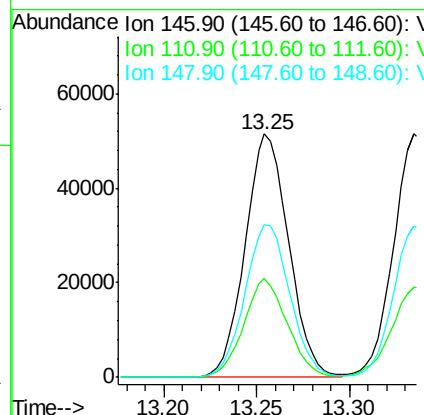
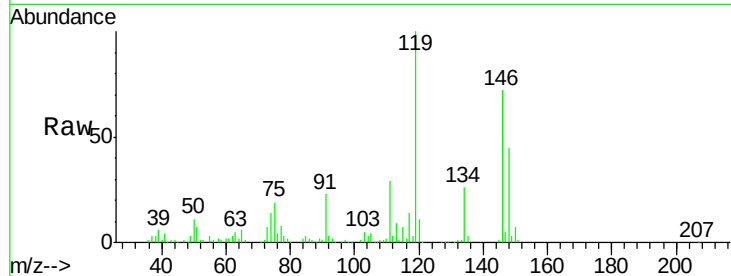
#87
 1,3-Dichlorobenzene
 Concen: 18.498 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.9
148	64.7	31.9	95.5

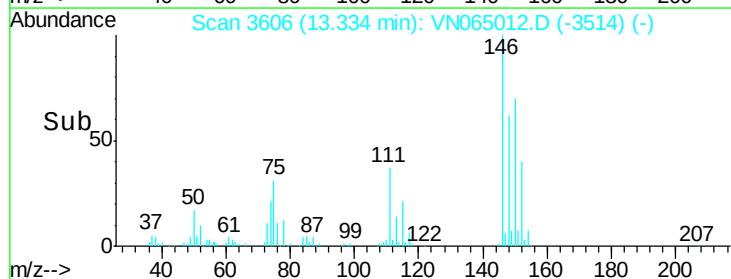
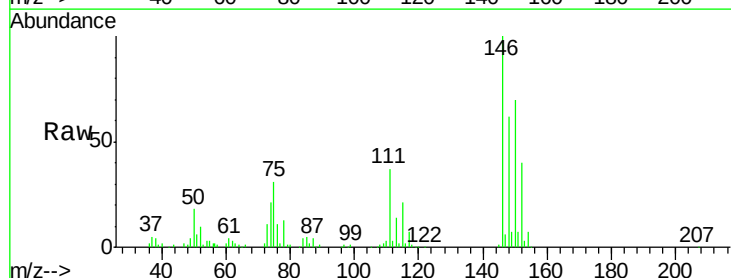
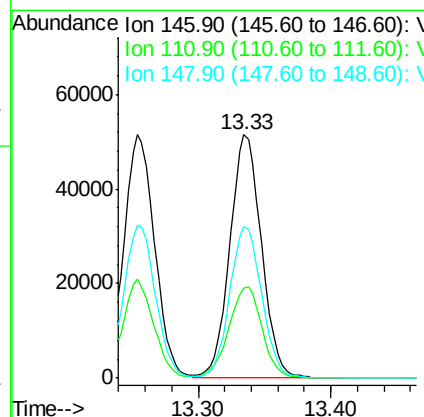
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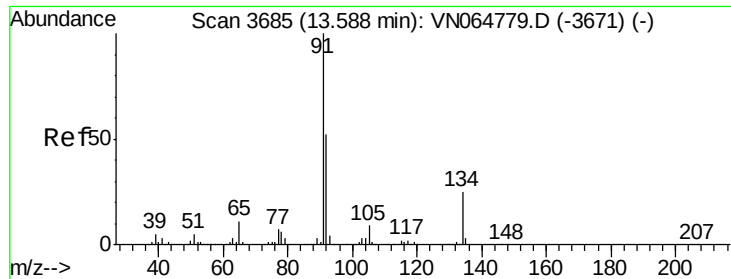
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#88
 1,4-Dichlorobenzene
 Concen: 17.819 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	63.1	31.9	95.5





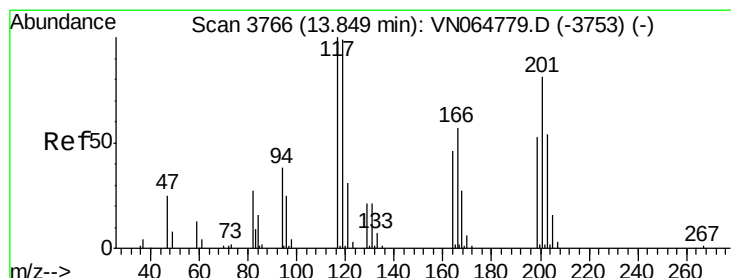
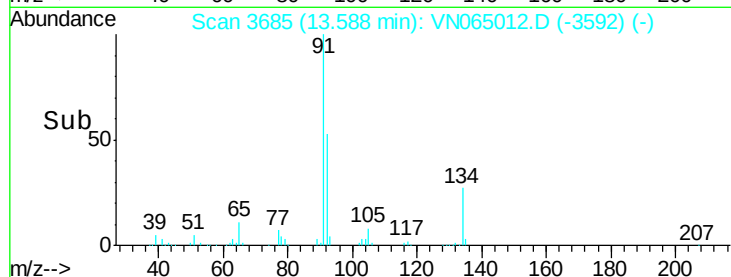
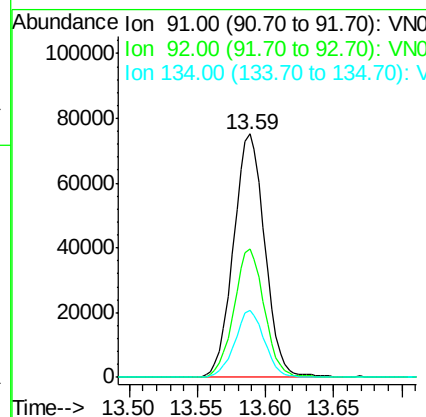
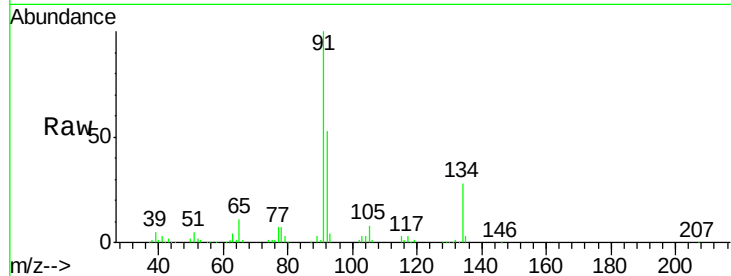
#89
n-Butylbenzene
Concen: 17.144 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.0	78.0
134	26.1	12.9	38.6

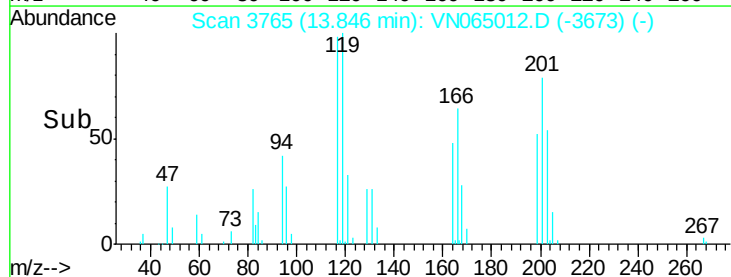
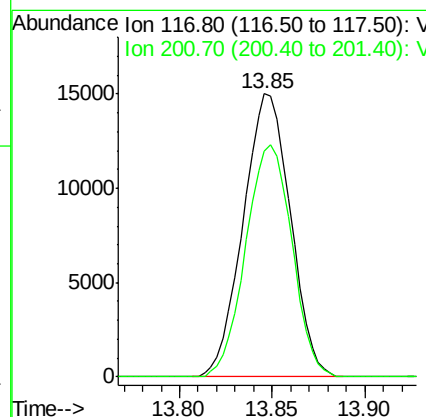
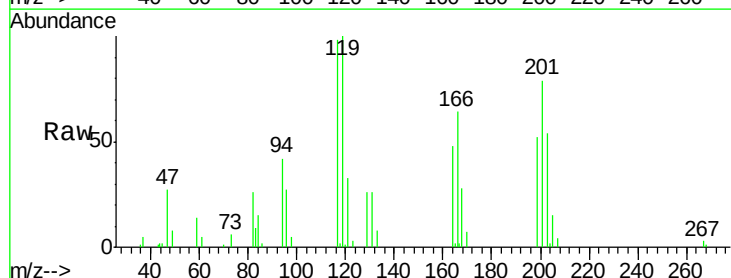
Manual Integrations
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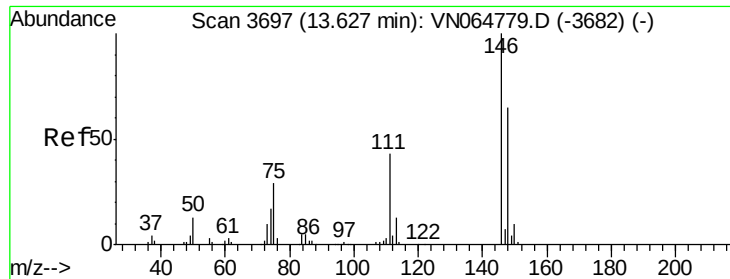
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#90
Hexachloroethane
Concen: 19.168 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	40.1	120.3





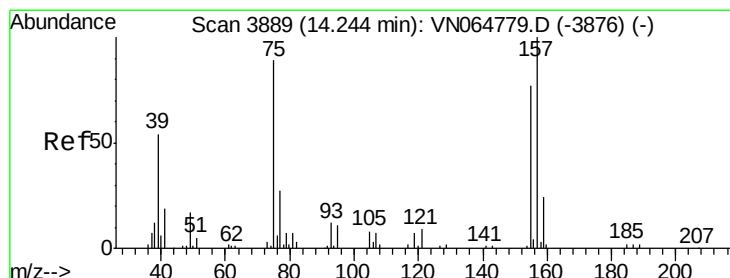
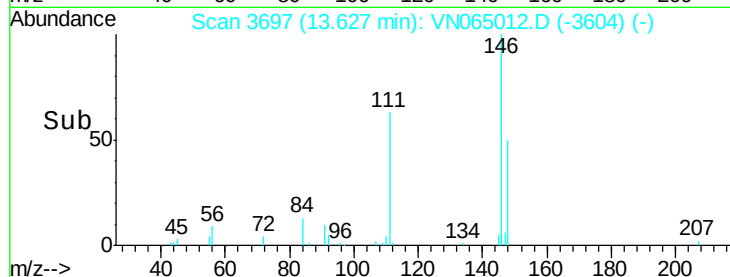
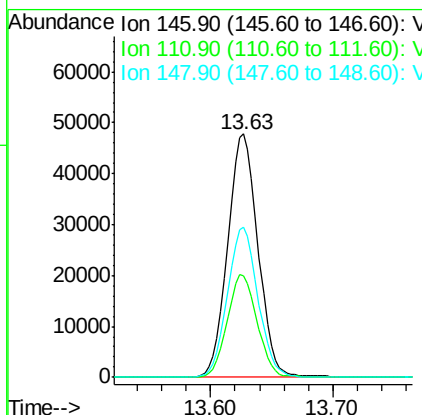
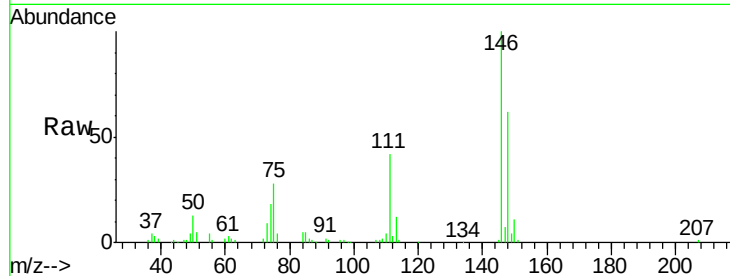
#91
 1,2-Dichlorobenzene
 Concen: 18.609 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	62.0	32.0	96.2

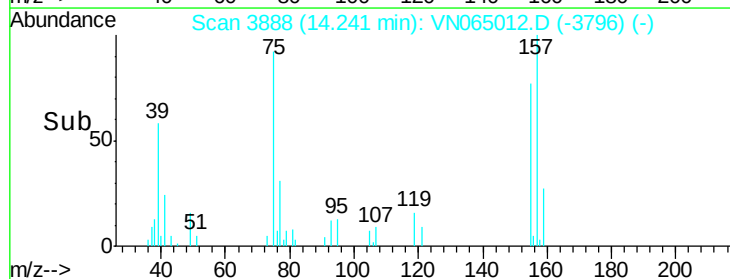
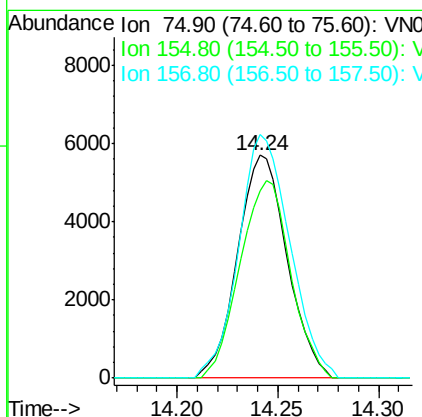
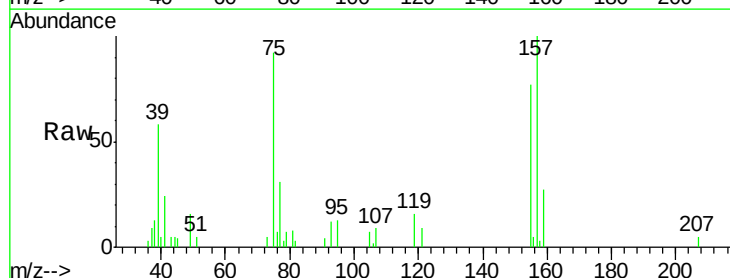
Manual Integrations
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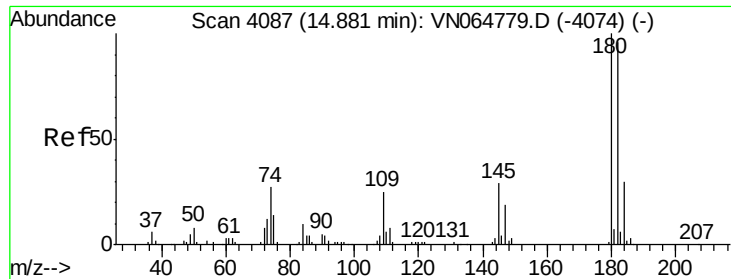
MMDadoda
 12/10/2020 9:14:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.680 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	42.8	128.3
157	112.8	56.4	169.1





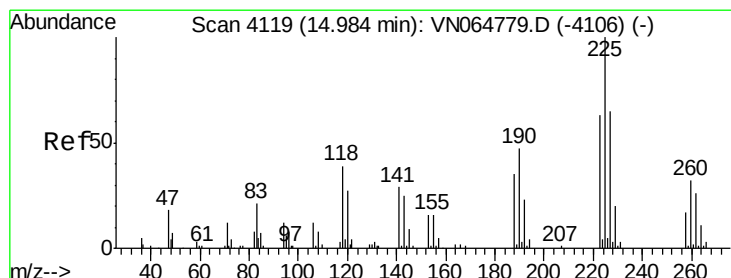
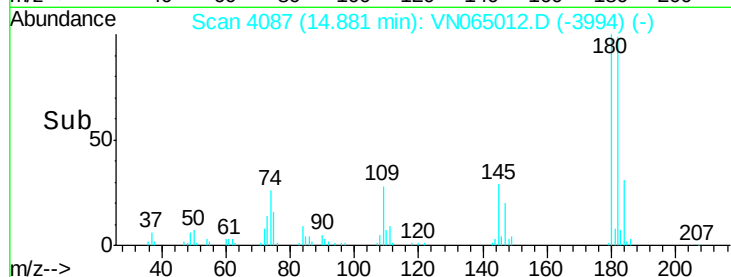
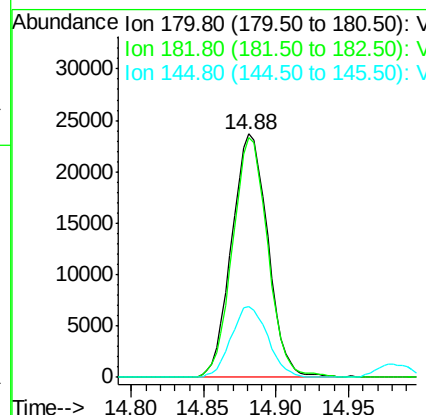
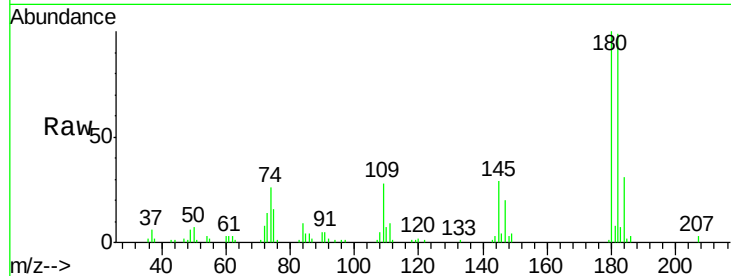
#93
 1,2,4-Trichlorobenzene
 Concen: 14.893 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.9
145	29.4	15.3	45.8

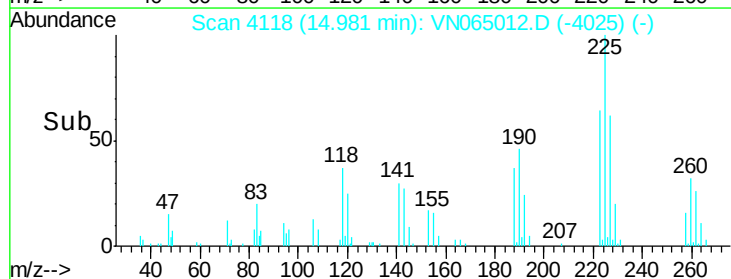
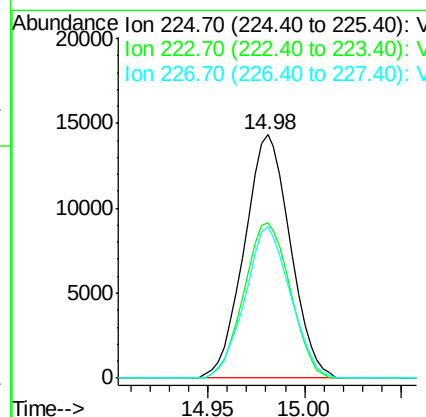
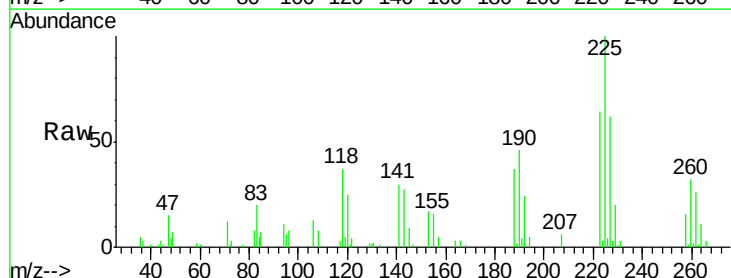
Manual Integrations
 APPROVED

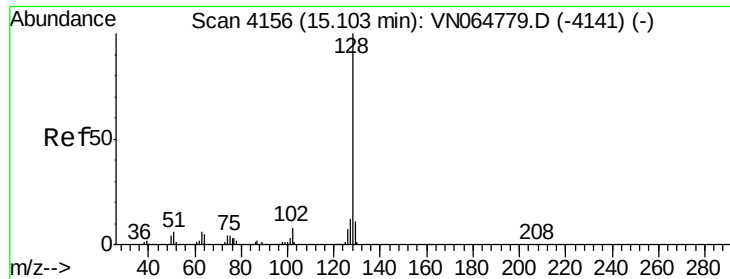
MMDadoda
 12/10/2020 9:14:27 AM



#94
 Hexachlorobutadiene
 Concen: 19.297 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN065012.D
 Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.0	93.0
227	61.4	32.0	96.0





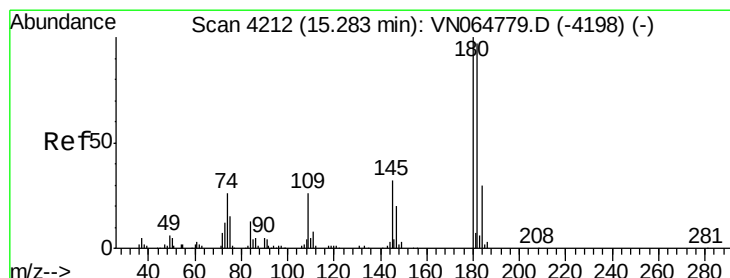
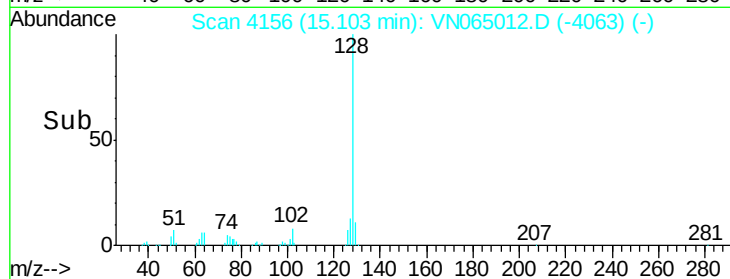
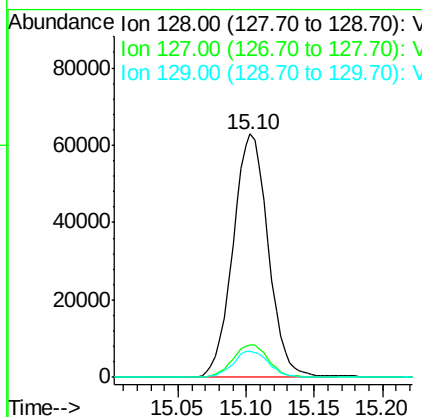
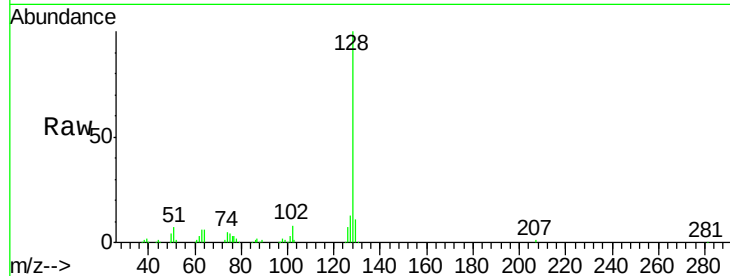
#95
Naphthalene
Concen: 13.691 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	112991		
127	13.5		10.3	15.5
129	10.7		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:14:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.295 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN065012.D
Acq: 9 Dec 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40131		
182	93.4		48.1	144.4
145	32.1		16.4	49.1

