

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064801.D
 Acq On : 24 Nov 2020 11:25
 Operator : JC/MD
 Sample : VN1124WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 3:57:03 PM

Quant Time: Nov 25 04:16:39 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	202712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	310485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	278902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	112199	47.61	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.22%
35) Dibromofluoromethane	7.54	113	94573	50.90	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.80%
50) Toluene-d8	10.06	98	375591	49.48	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.96%
62) 4-Bromofluorobenzene	12.37	95	131967	48.58	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31224	17.773	ug/l	97
3) Chloromethane	2.04	50	39314	17.220	ug/l	97
4) Vinyl Chloride	2.17	62	40618	17.065	ug/l	99
5) Bromomethane	2.54	94	29310	18.769	ug/l	95
6) Chloroethane	2.68	64	26783	18.193	ug/l	96
7) Trichlorofluoromethane	2.99	101	59088	17.959	ug/l	97
8) Diethyl Ether	3.37	74	22970	17.686	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	37184	18.839	ug/l	98
10) Methyl Iodide	3.91	142	44159	17.249	ug/l	99
11) Tert butyl alcohol	4.75	59	27230	74.090	ug/l #	84
12) 1,1-Dichloroethene	3.69	96	35727	18.175	ug/l	94
13) Acrolein	3.57	56	19254	85.767	ug/l	99
14) Allyl chloride	4.28	41	54592	16.838	ug/l	99
15) Acrylonitrile	4.93	53	86099	84.801	ug/l	99
16) Acetone	3.78	43	62662	80.885	ug/l	99
17) Carbon Disulfide	4.00	76	91835	18.097	ug/l	100
18) Methyl Acetate	4.28	43	37396	16.055	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	107932	17.120	ug/l	99
20) Methylene Chloride	4.50	84	41274	17.002	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	37884	17.355	ug/l	96
22) Diisopropyl ether	5.90	45	117570	18.117	ug/l	97
23) Vinyl Acetate	5.84	43	457218	88.107	ug/l	99
24) 1,1-Dichloroethane	5.80	63	69990	18.047	ug/l	99
25) 2-Butanone	6.78	43	103978	82.796	ug/l	99
26) 2,2-Dichloropropane	6.77	77	58516	17.397	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	44186	17.989	ug/l	97
28) Bromochloromethane	7.15	49	32468	18.300	ug/l	95
29) Tetrahydrofuran	7.17	42	70378	81.185	ug/l	99
30) Chloroform	7.32	83	71839	17.962	ug/l	95
31) Cyclohexane	7.61	56	59704	18.177	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	61926	18.028	ug/l	99
36) 1,1-Dichloropropene	7.75	75	52738	18.325	ug/l	99
37) Ethyl Acetate	6.88	43	45986	16.588	ug/l	99
38) Carbon Tetrachloride	7.73	117	56386	18.830	ug/l	99

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Quant Time: Nov 25 04:16:39 2020
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 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)
39) Methylcyclohexane	9.05	83	56275	18.165	ug/l	98
40) Benzene	8.00	78	161008	18.257	ug/l	99
41) Methacrylonitrile	7.12	41	23924	18.703	ug/l	86
42) 1,2-Dichloroethane	8.08	62	54609	18.356	ug/l	100
43) Isopropyl Acetate	8.13	43	73058	16.378	ug/l	100
44) Trichloroethene	8.80	130	45914	17.646	ug/l	97
45) 1,2-Dichloropropane	9.08	63	42832	18.755	ug/l	98
46) Dibromomethane	9.17	93	28067	18.396	ug/l	99
47) Bromodichloromethane	9.37	83	56178	18.299	ug/l	95
48) Methyl methacrylate	9.16	41	35601	16.702	ug/l	96
49) 1,4-Dioxane	9.17	88	13613	337.908	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	230728	86.156	ug/l	99
52) Toluene	10.12	92	103194	19.001	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	59328	17.351	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	66397	18.116	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	40524	18.145	ug/l	98
56) Ethyl methacrylate	10.40	69	52047	16.888	ug/l	98
57) 1,3-Dichloropropane	10.68	76	67020	18.192	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	151891	89.599	ug/l	99
59) 2-Hexanone	10.72	43	161813	83.957	ug/l	97
60) Dibromochloromethane	10.87	129	45174	18.197	ug/l	96
61) 1,2-Dibromoethane	10.97	107	40016	17.636	ug/l	98
64) Tetrachloroethene	10.60	164	50534	18.624	ug/l	95
65) Chlorobenzene	11.41	112	112146	18.724	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	41431	18.823	ug/l	98
67) Ethyl Benzene	11.48	91	185962	18.586	ug/l	99
68) m/p-Xylenes	11.59	106	146503	38.674	ug/l	99
69) o-Xylene	11.92	106	69081	19.217	ug/l	98
70) Styrene	11.94	104	117772	19.407	ug/l	98
71) Bromoform	12.10	173	31278	17.792	ug/l #	97
73) Isopropylbenzene	12.22	105	182445	18.951	ug/l	100
74) N-amyl acetate	12.04	43	61714	16.289	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	50261	17.812	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	54413m	18.255	ug/l	
77) Bromobenzene	12.50	156	46942	18.086	ug/l	100
78) n-propylbenzene	12.56	91	207350	18.906	ug/l	100
79) 2-Chlorotoluene	12.65	91	126020	18.588	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	156311	19.533	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	17527	16.116	ug/l	91
82) 4-Chlorotoluene	12.75	91	131682	18.531	ug/l	99
83) tert-Butylbenzene	12.97	119	127566	19.019	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	155722	19.247	ug/l	99
85) sec-Butylbenzene	13.14	105	170522	19.148	ug/l	99
86) p-Isopropyltoluene	13.26	119	159862	19.717	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	84480	18.320	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	85057	17.441	ug/l	99
89) n-Butylbenzene	13.59	91	127383	17.890	ug/l	100
90) Hexachloroethane	13.85	117	25976	18.442	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	82833	18.294	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11044	17.394	ug/l	94

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ClientSampleId :
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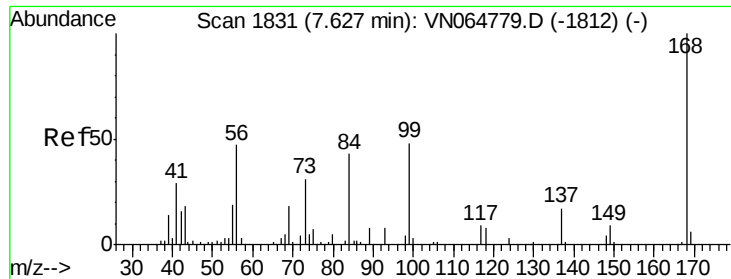
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	46926	16.753	ug/l	99
94) Hexachlorobutadiene	14.98	225	22226	17.862	ug/l	97
95) Naphthalene	15.10	128	131518	15.673	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	45138	17.877	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion:168 Resp: 202712

Ion Ratio Lower Upper

168 100

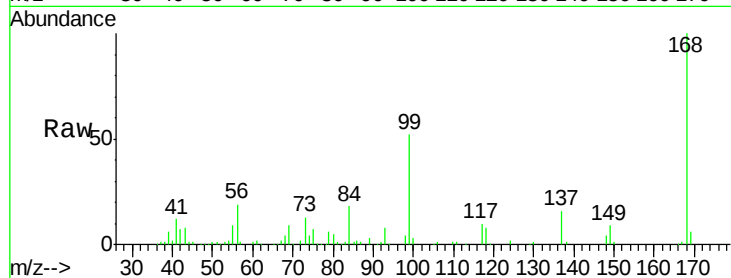
99 52.1 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

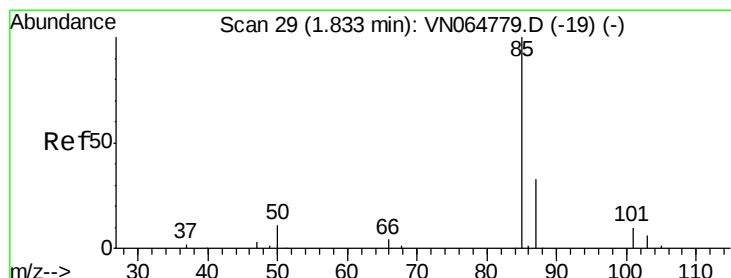
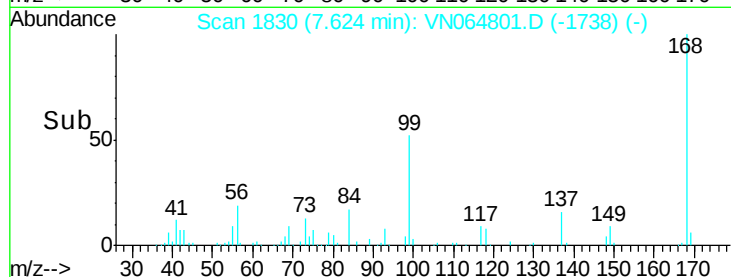
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.773 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064801.D

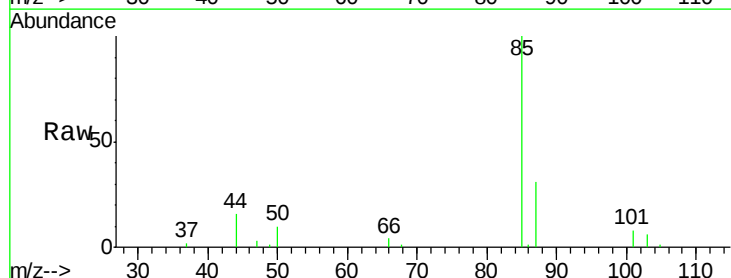
Acq: 24 Nov 2020 11:25

Tgt Ion: 85 Resp: 31224

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

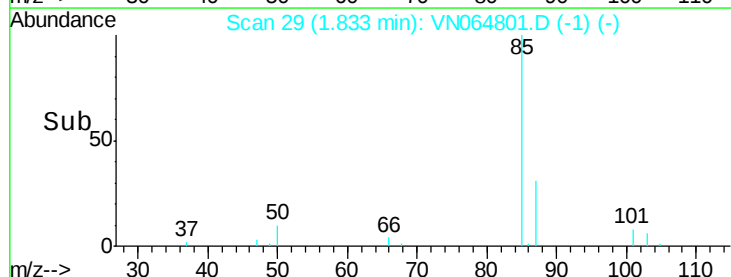
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 17.220 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 50 Resp: 39314

Ion Ratio Lower Upper

50 100

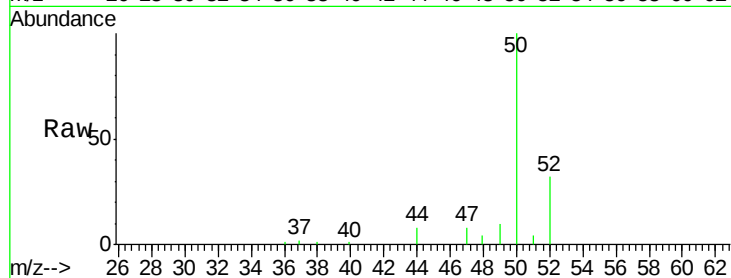
52 31.8 26.6 39.8

Manual Integrations

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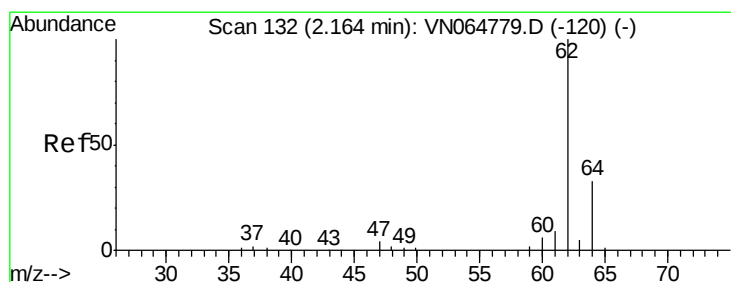
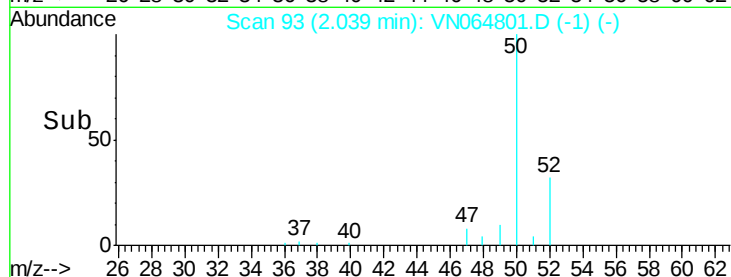
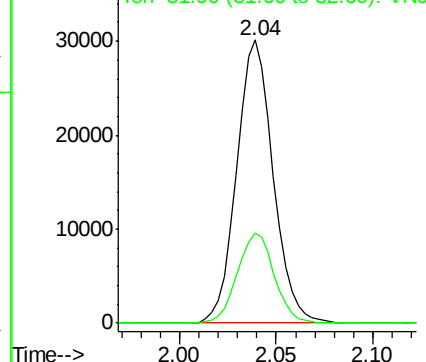
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.065 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064801.D

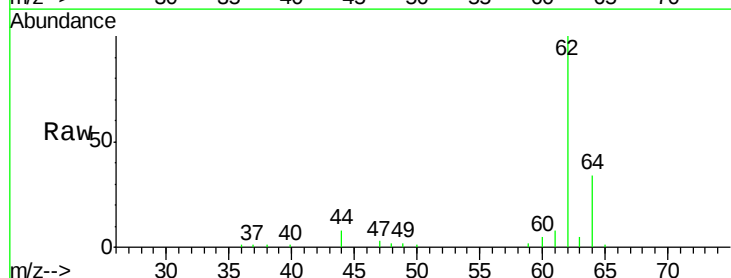
Acq: 24 Nov 2020 11:25

Tgt Ion: 62 Resp: 40618

Ion Ratio Lower Upper

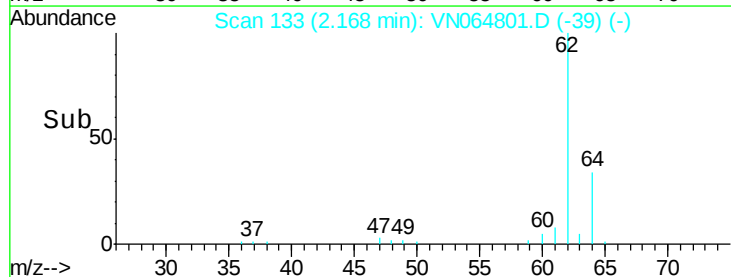
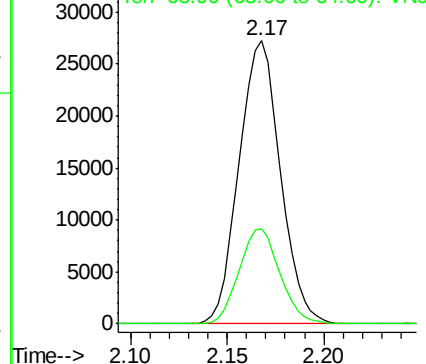
62 100

64 33.8 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.769 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 94 Resp: 29310

Ion Ratio Lower Upper

94 100

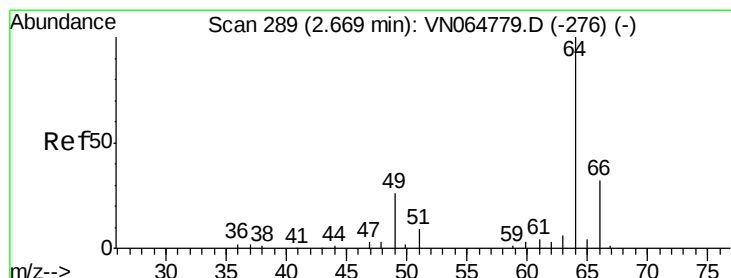
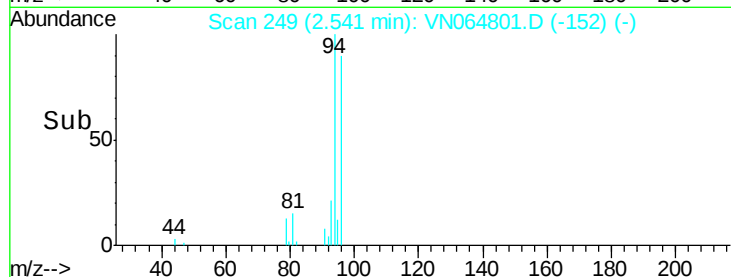
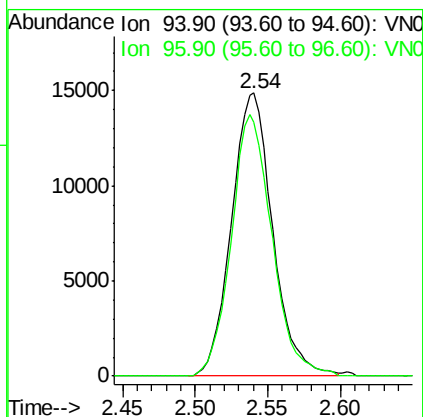
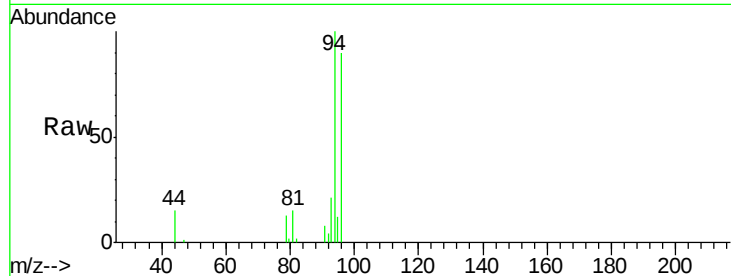
96 89.8 75.4 113.0

Manual Integrations

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#6

Chloroethane

Concen: 18.193 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064801.D

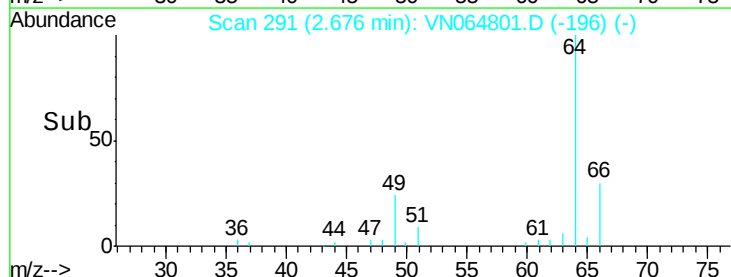
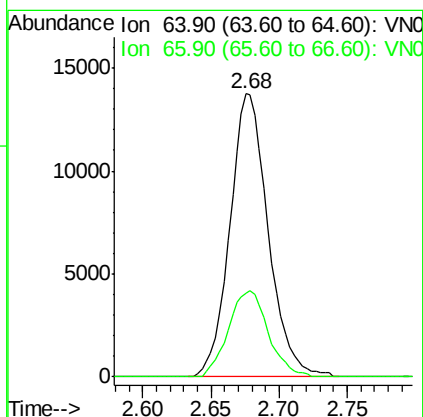
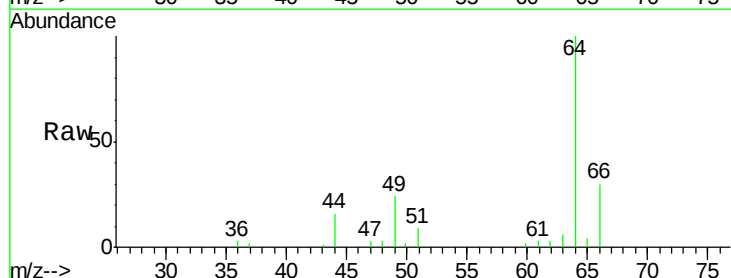
Acq: 24 Nov 2020 11:25

Tgt Ion: 64 Resp: 26783

Ion Ratio Lower Upper

64 100

66 29.5 25.6 38.4





#7

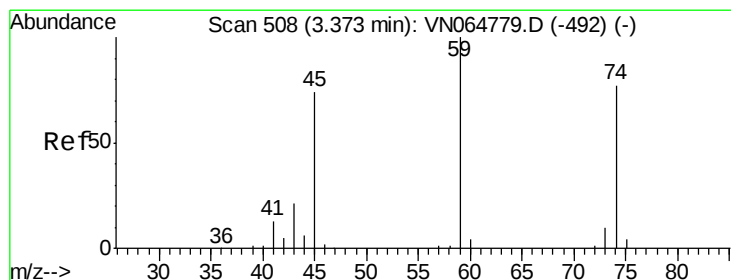
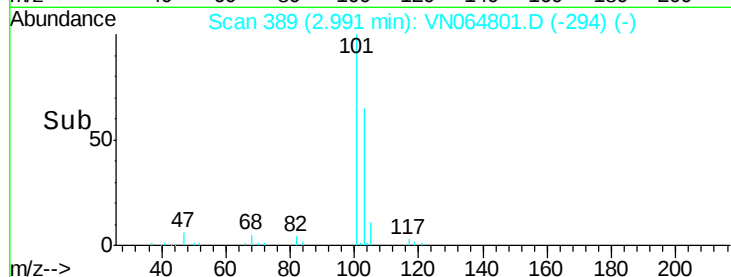
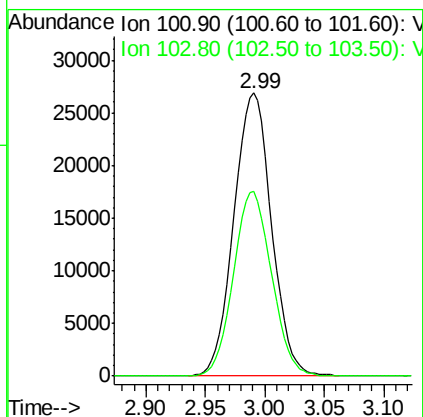
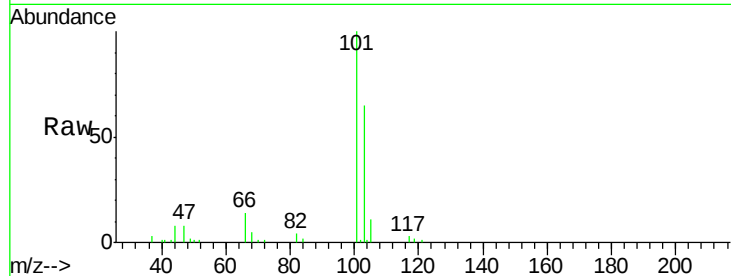
Trichlorofluoromethane
Concen: 17.959 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN064801.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		59088		
103	65.4		50.5	75.7	

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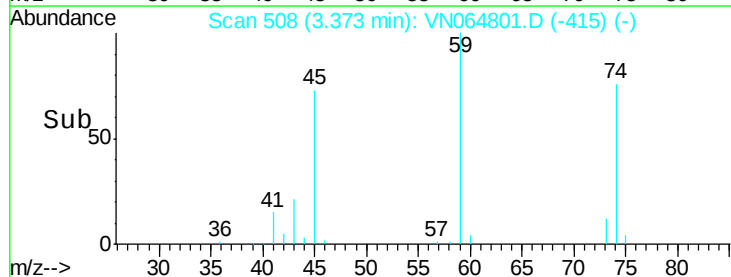
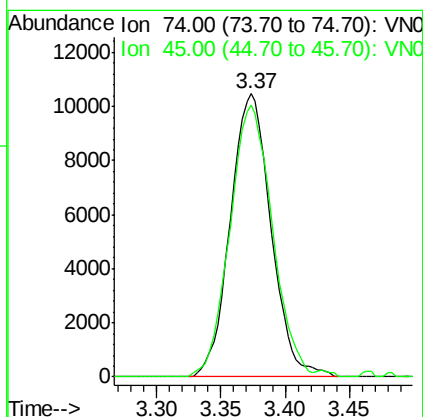
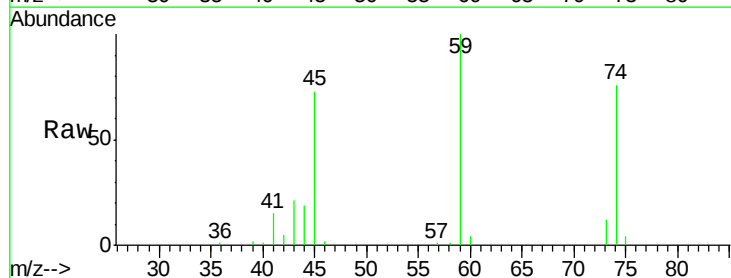
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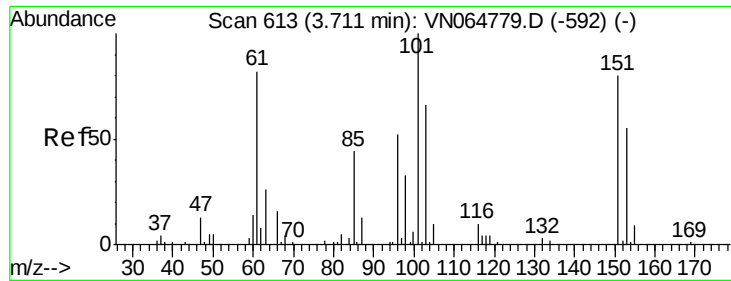


#8

Diethyl Ether
Concen: 17.686 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22970		
45	100.2		48.9	146.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.839 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

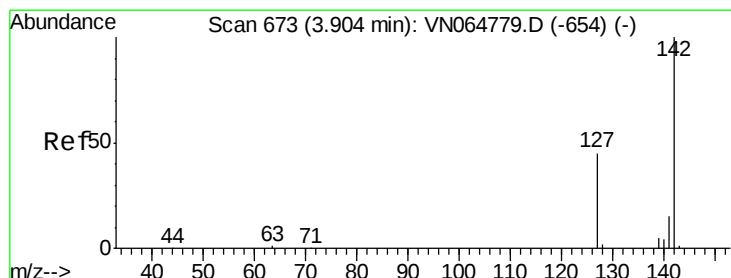
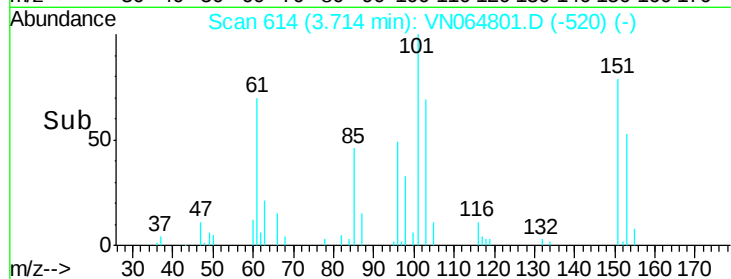
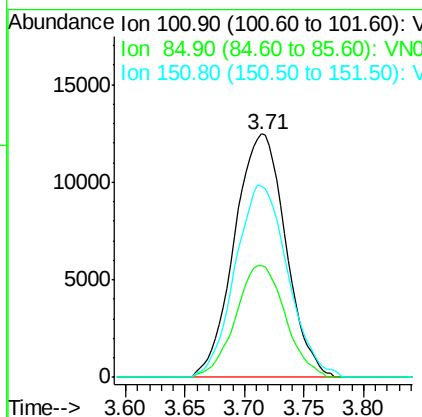
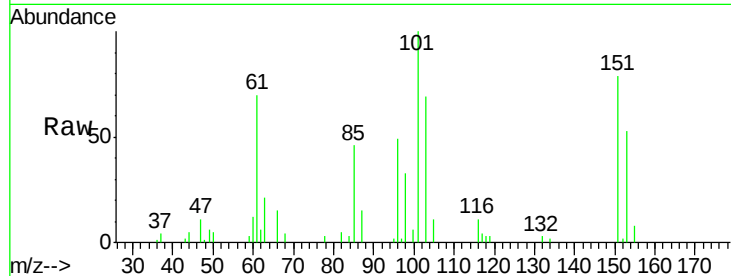
ClientSampleId :

VN1124WBS01

Tot Ion:	101	Resp:	37184
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.4	51.6
151	81.1	64.0	96.0

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#10

Methyl Iodide

Concen: 17.249 ug/l

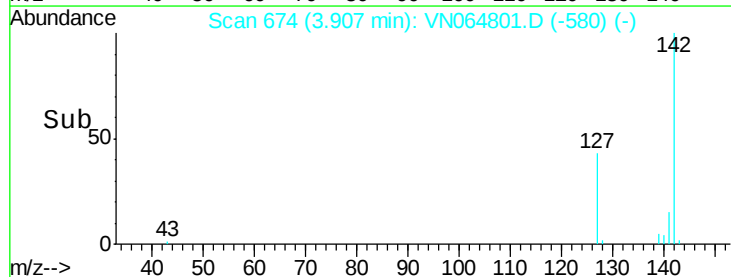
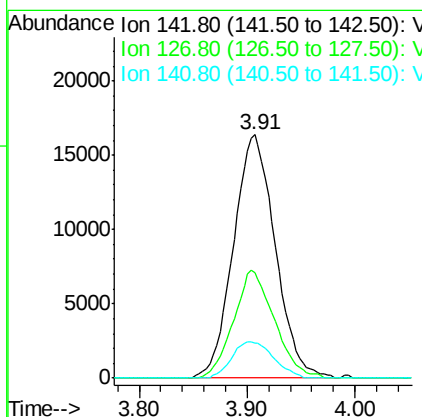
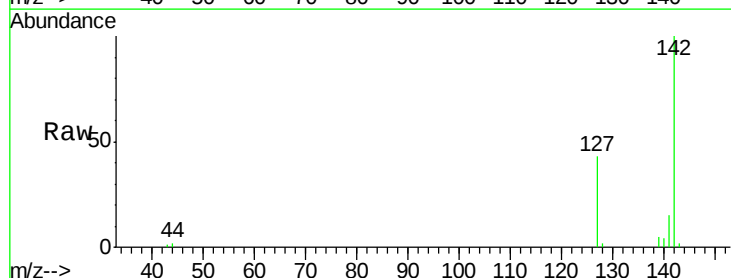
RT: 3.91 min Scan# 674

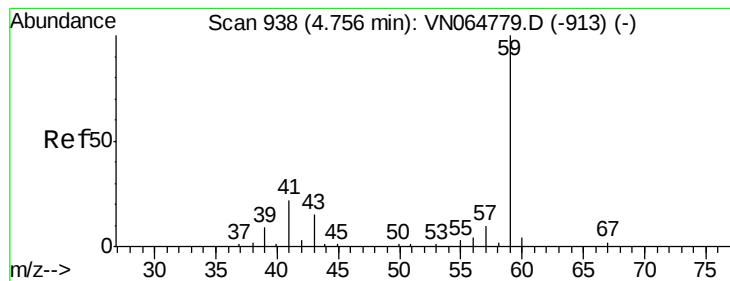
Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion:	142	Resp:	44159
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.0	52.6
141	14.8	11.8	17.6





#11

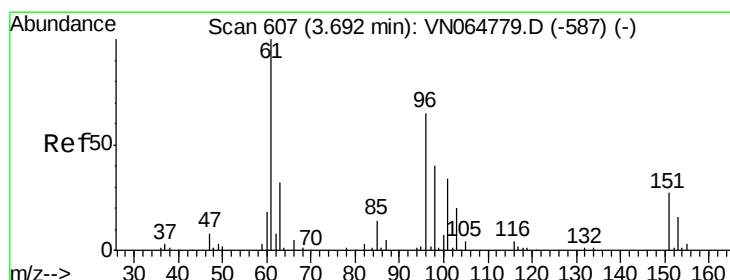
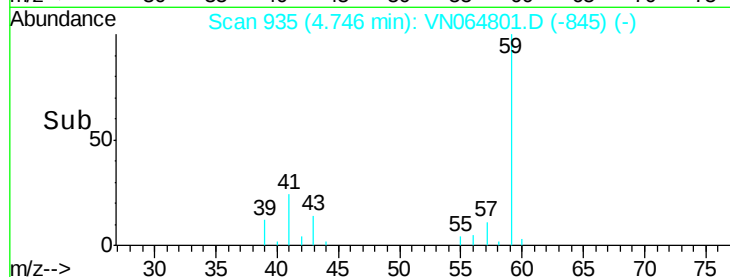
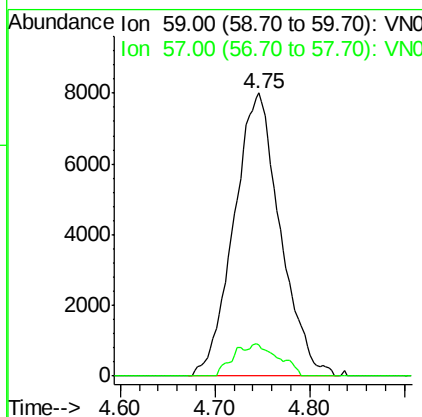
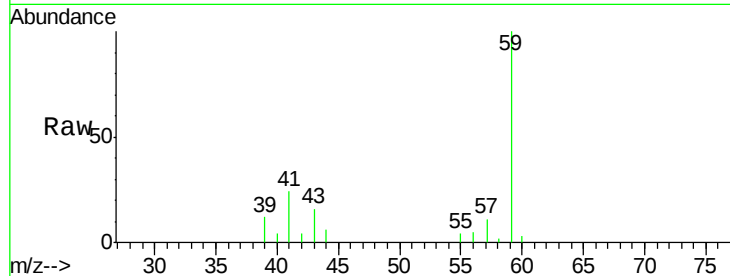
Tert butyl alcohol
 Concen: 74.090 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion: 59 Resp: 27230
 Ion Ratio Lower Upper
 59 100
 57 3.8 7.9 11.9#

Manual Integrations
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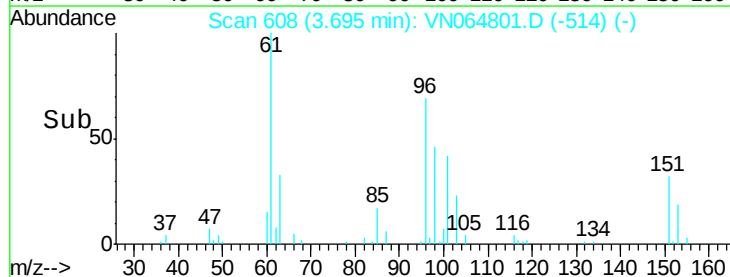
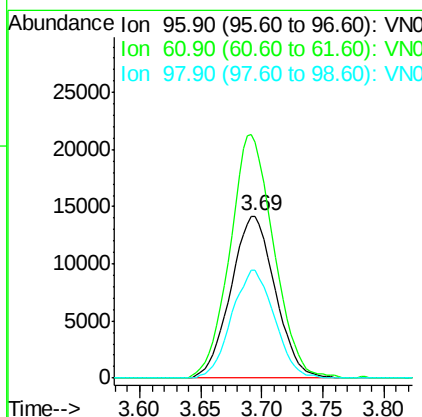
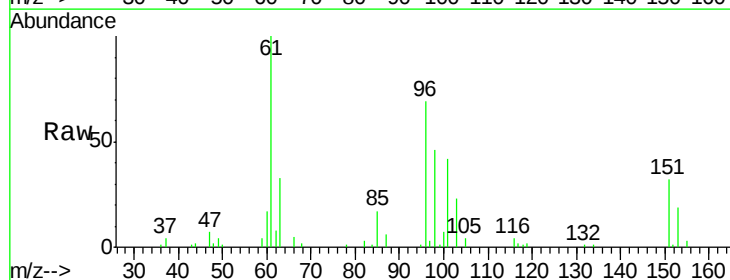
MMDadoda
 11/25/2020 3:57:03 PM

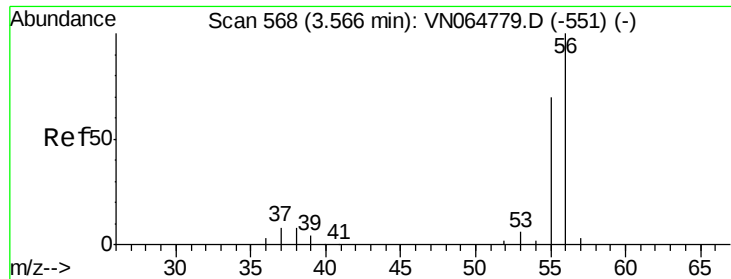


#12

1,1-Dichloroethene
 Concen: 18.175 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion: 96 Resp: 35727
 Ion Ratio Lower Upper
 96 100
 61 145.6 123.4 185.2
 98 66.6 49.8 74.8





#13

Acrolein

Concen: 85.767 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 56 Resp: 19254

Ion Ratio Lower Upper

56 100

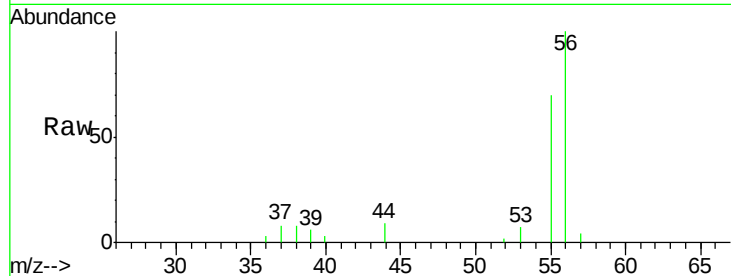
55 71.1 56.5 84.7

Manual Integrations

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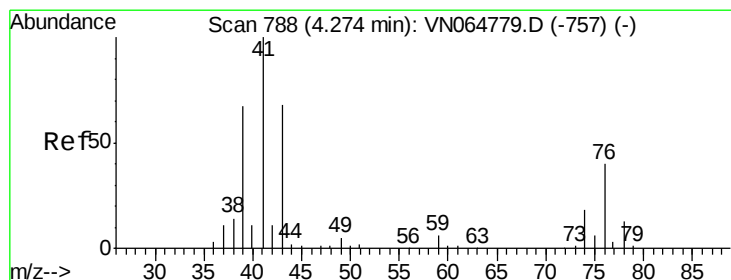
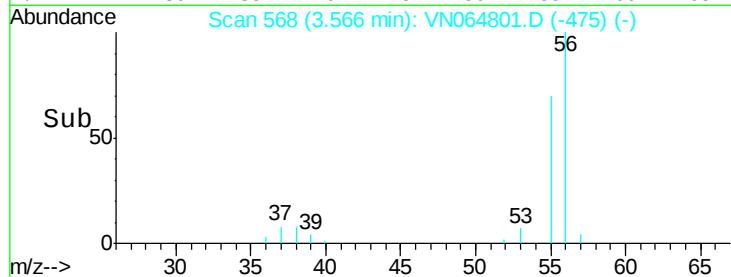
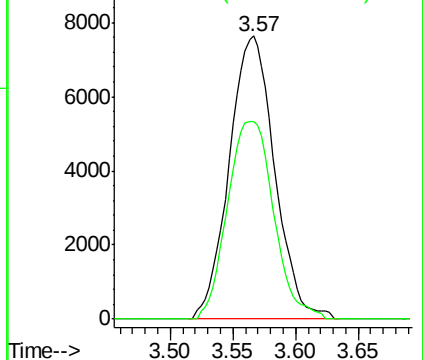
MMDadoda

11/25/2020 3:57:03 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.838 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

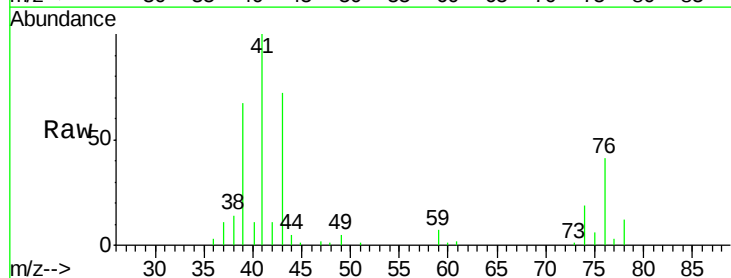
Tgt Ion: 41 Resp: 54592

Ion Ratio Lower Upper

41 100

39 64.2 50.9 76.3

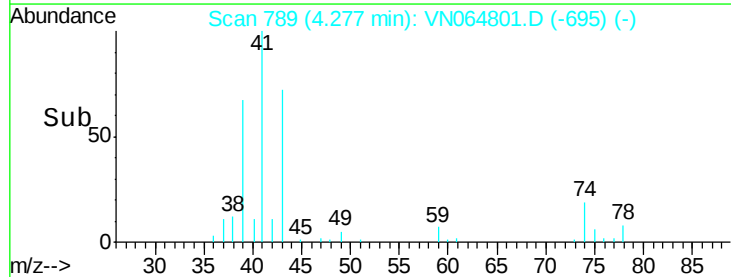
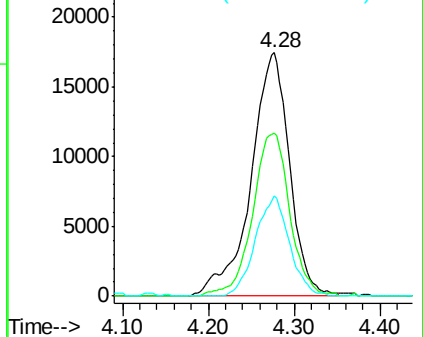
76 36.2 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





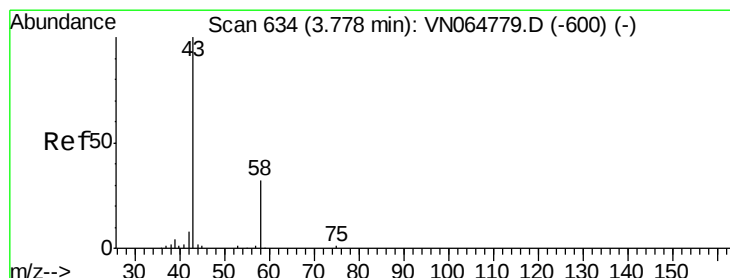
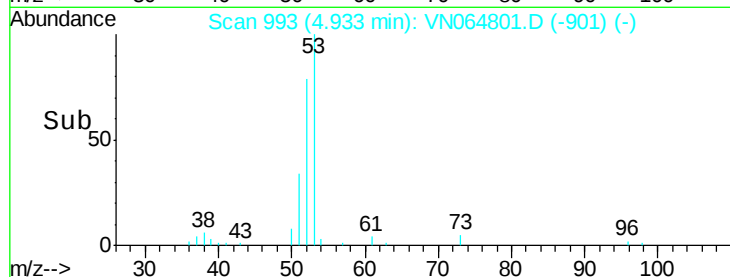
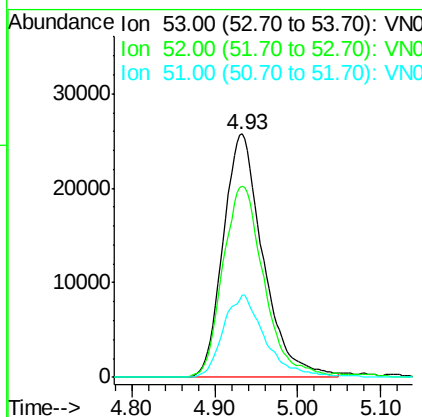
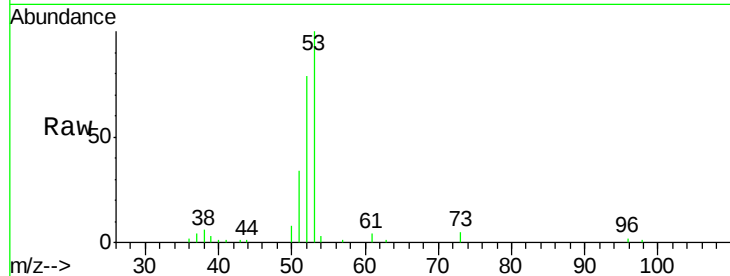
#15
 Acrylonitrile
 Concen: 84.801 ug/l
 RT: 4.93 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion:	53	Resp:	86099
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.5	98.3
51	35.3	28.6	43.0

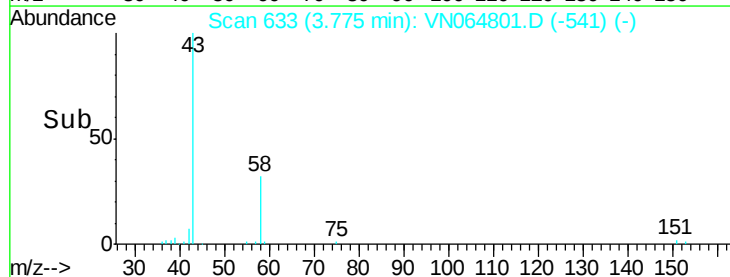
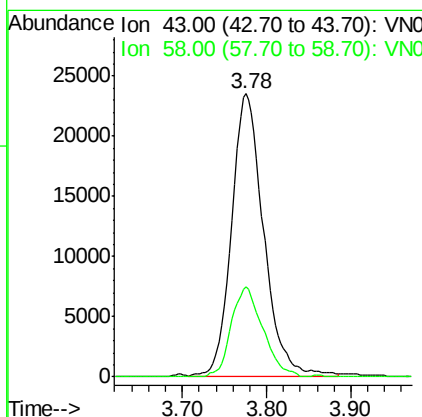
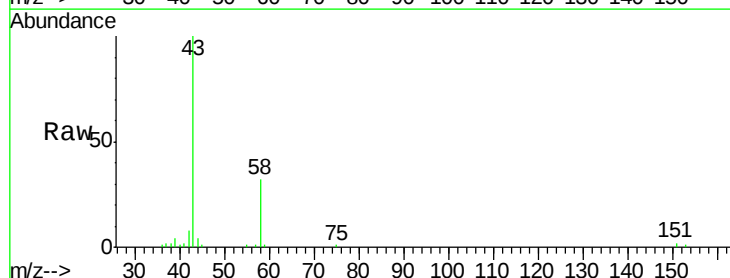
Manual Integrations
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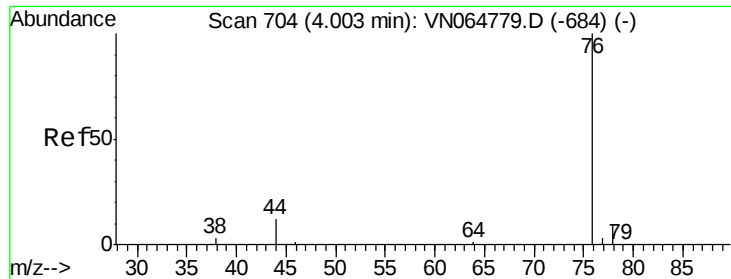
MMDadoda
 11/25/2020 3:57:03 PM



#16
 Acetone
 Concen: 80.885 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion:	43	Resp:	62662
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.7	38.5





#17

Carbon Disulfide

Concen: 18.097 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 76 Resp: 91835

Ion Ratio Lower Upper

76 100

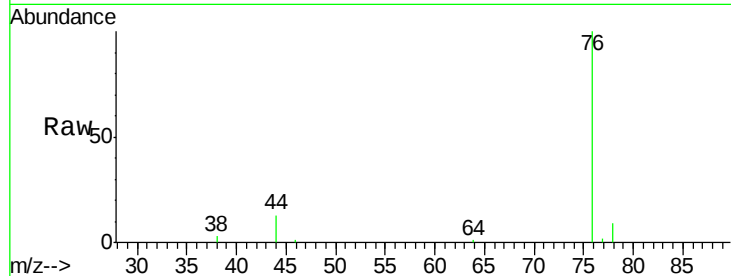
78 9.2 7.4 11.0

Manual Integrations

APPROVED

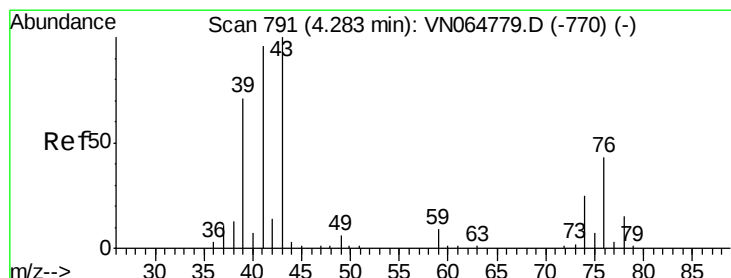
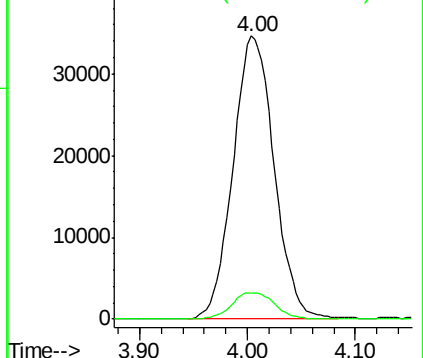
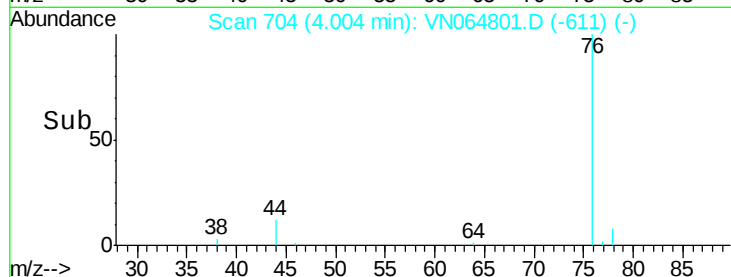
MMDadoda

11/25/2020 3:57:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VN064801.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN064801.D (-611) (-)



#18

Methyl Acetate

Concen: 16.055 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064801.D

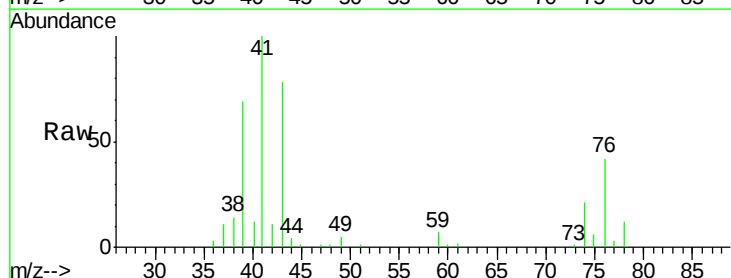
Acq: 24 Nov 2020 11:25

Tgt Ion: 43 Resp: 37396

Ion Ratio Lower Upper

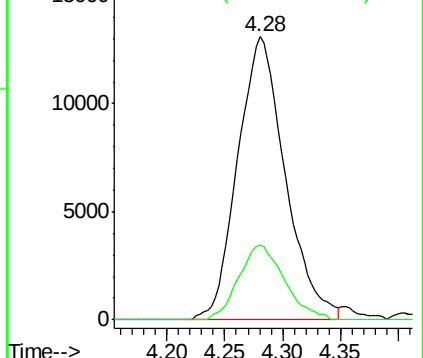
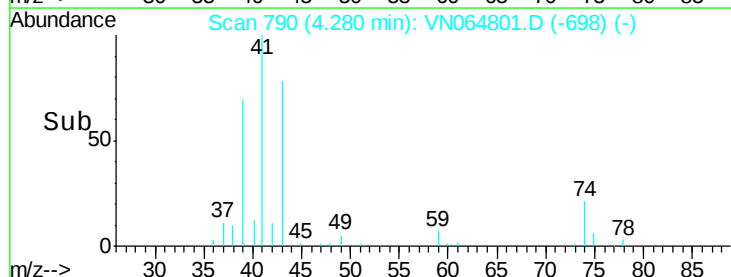
43 100

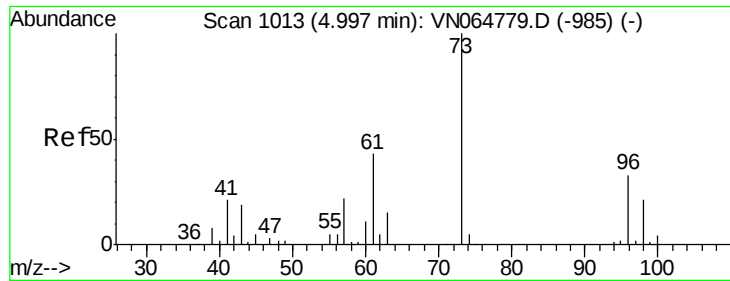
74 25.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064801.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064801.D (-698) (-)





#19

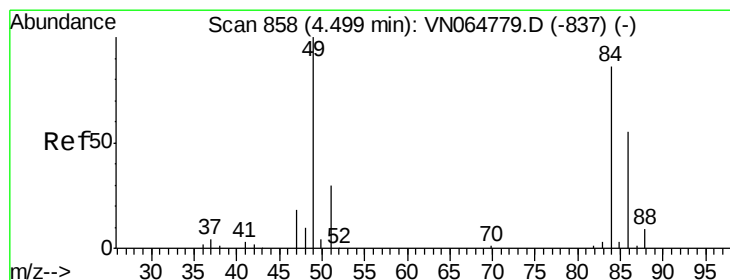
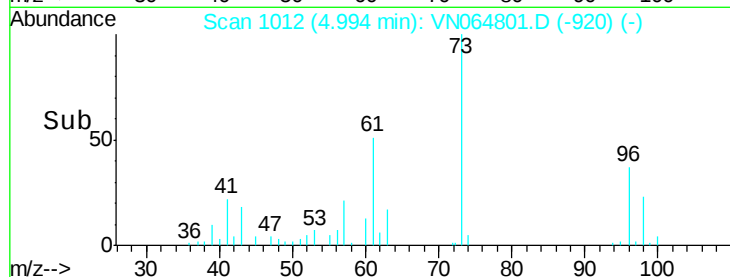
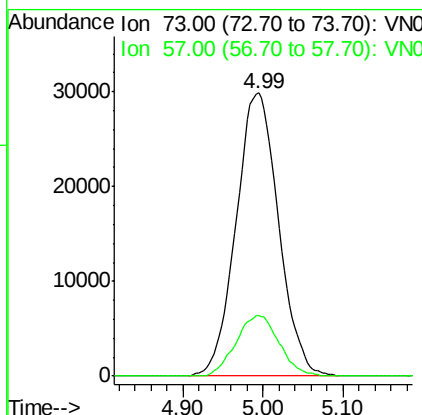
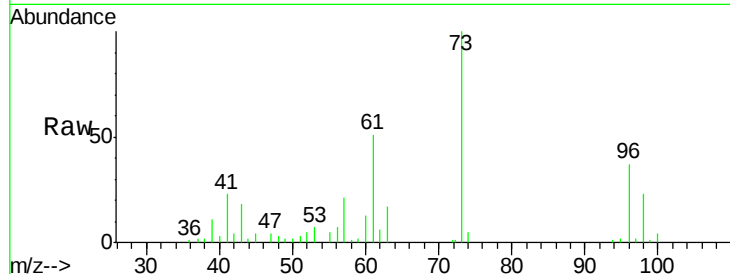
Methvl tert-butvl Ether
 Concen: 17.120 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion: 73 Resp: 107932
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.4 26.0

Manual Integrations
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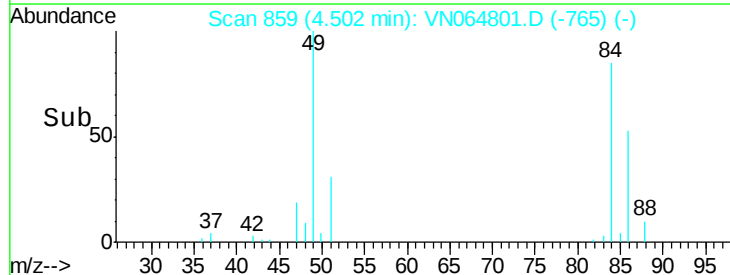
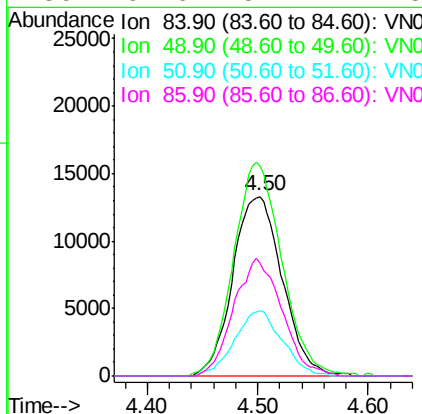
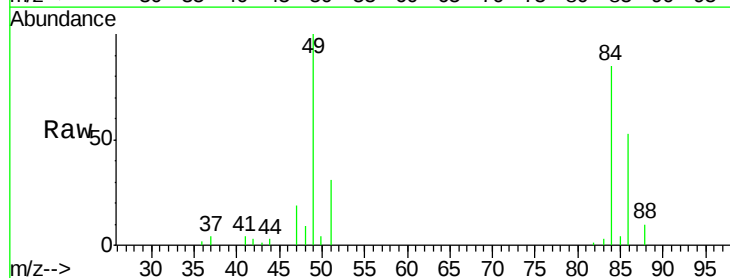
MMDadoda
 11/25/2020 3:57:03 PM

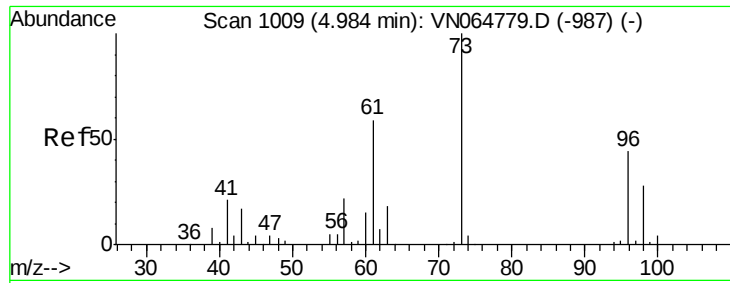


#20

Methylene Chloride
 Concen: 17.002 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion: 84 Resp: 41274
 Ion Ratio Lower Upper
 84 100
 49 117.4 93.4 140.0
 51 36.5 28.2 42.4
 86 62.6 51.7 77.5





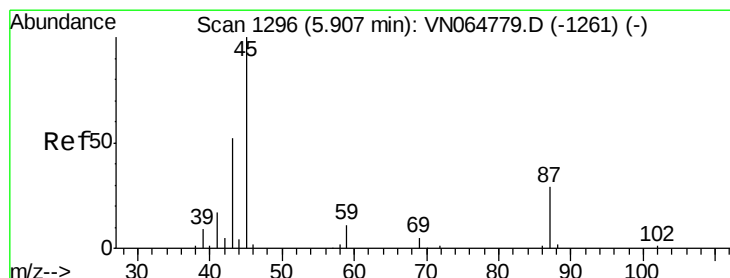
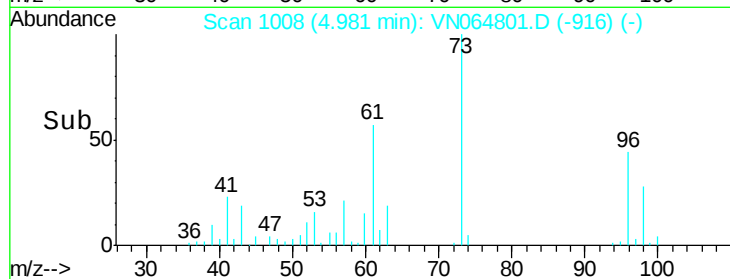
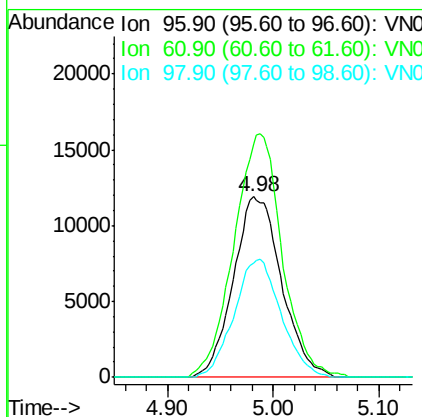
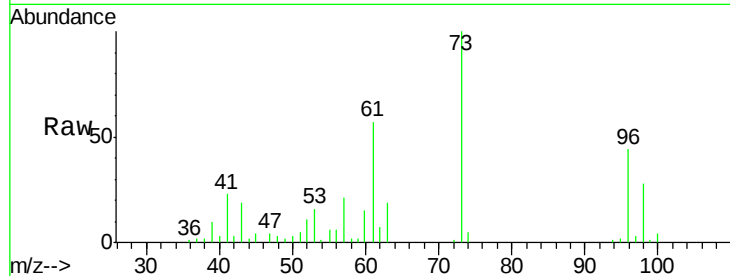
#21
trans-1,2-Dichloroethene
Concen: 17.355 ug/l
RT: 4.98 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	108.4	162.6
98	63.1	51.3	76.9

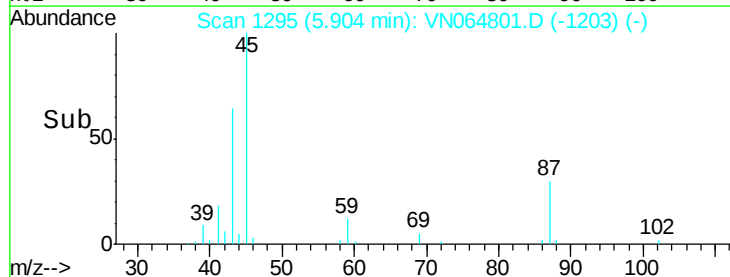
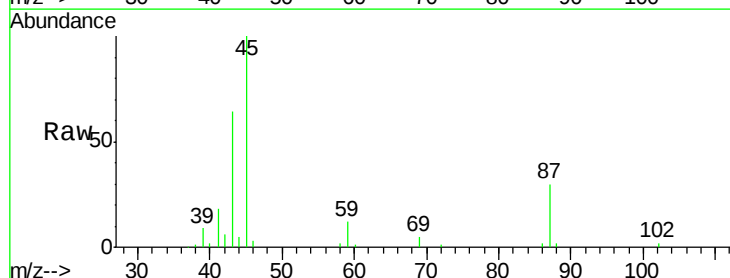
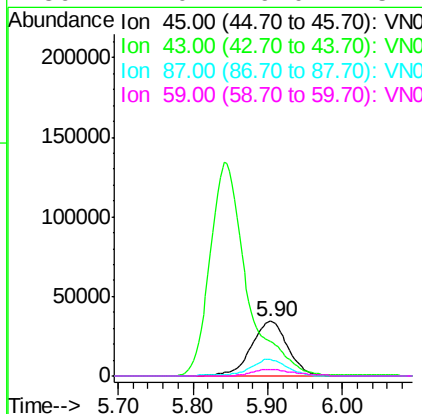
Manual Integrations
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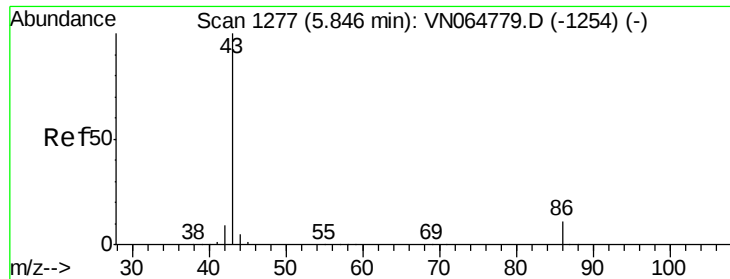
MMDadoda
11/25/2020 3:57:03 PM



#22
Diisopropyl ether
Concen: 18.117 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.2	69.2
87	29.8	24.1	36.1
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 88.107 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 43 Resp: 457218

Ion Ratio Lower Upper

43 100

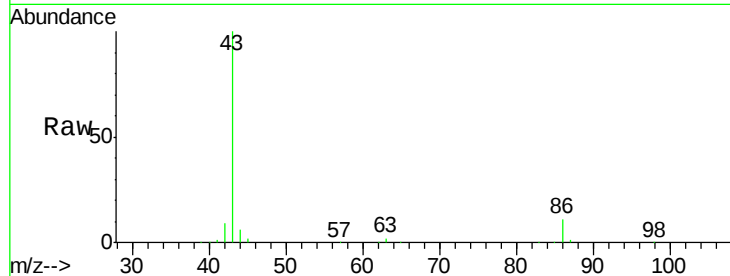
86 10.9 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064801.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064801.D (-1184) (-)

5.84

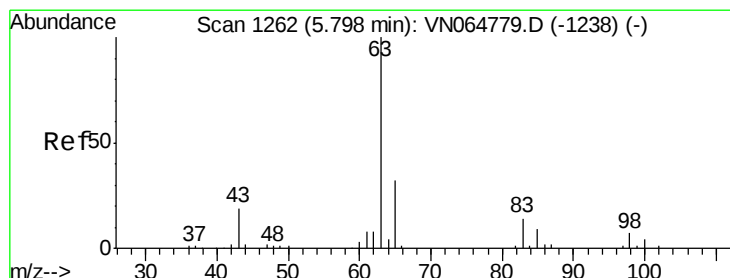
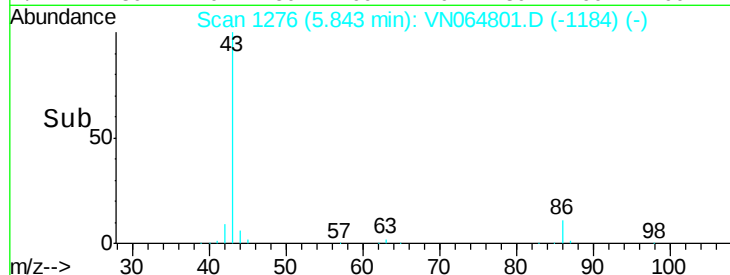
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.047 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

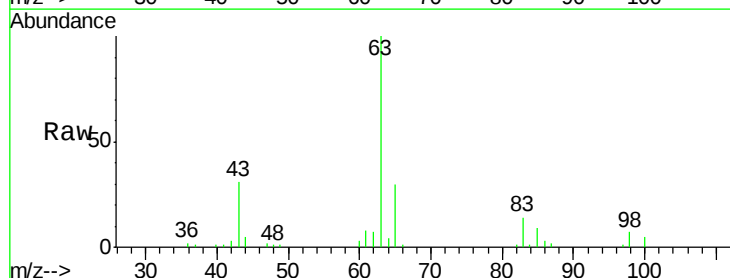
Tgt Ion: 63 Resp: 69990

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.9 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064801.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064801.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064801.D (-1169) (-)

5.80

25000

20000

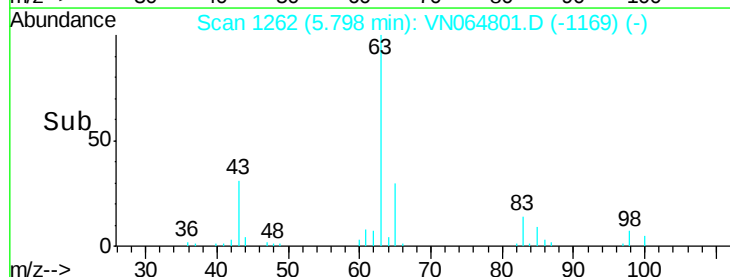
15000

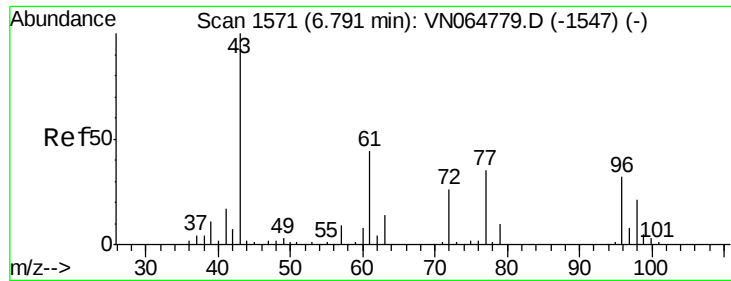
10000

5000

0

Time-->





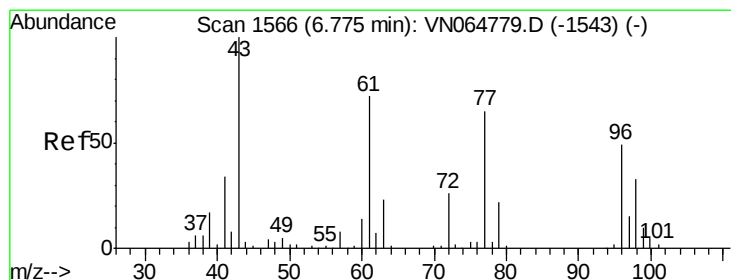
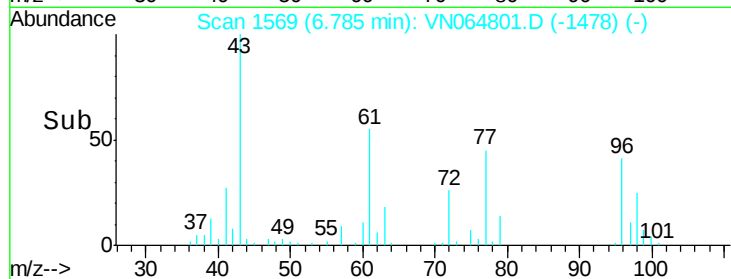
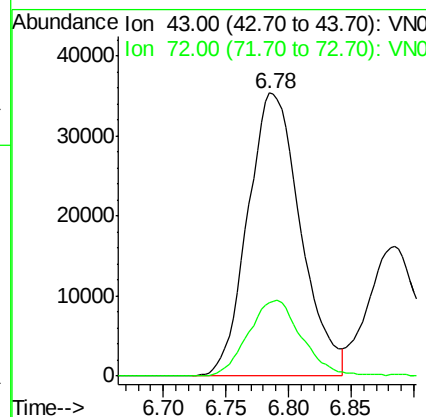
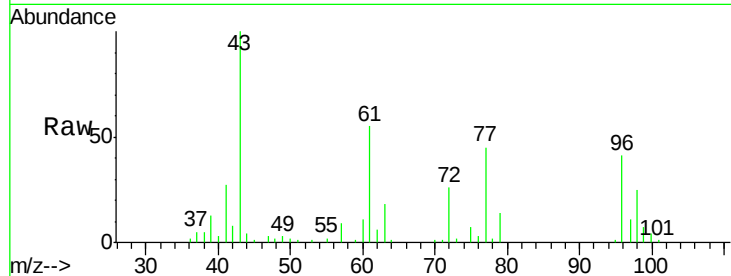
#25
2-Butanone
Concen: 82.796 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion: 43 Resp: 103978
Ion Ratio Lower Upper
43 100
72 25.9 21.0 31.6

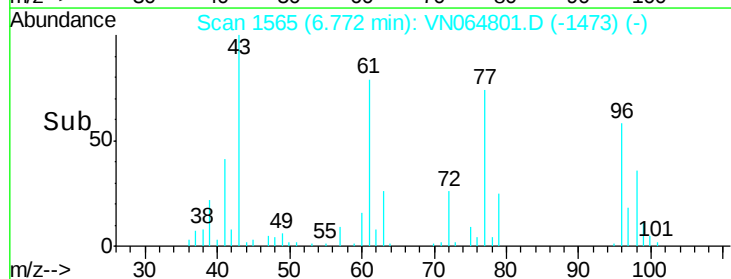
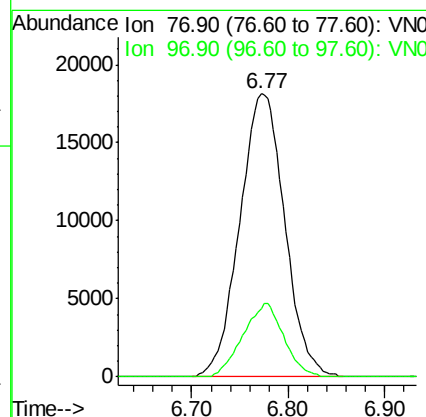
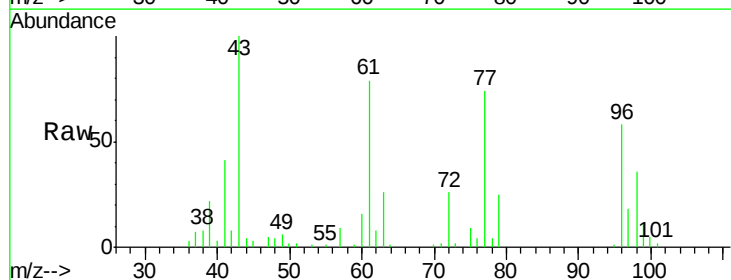
Manual Integrations
APPROVED

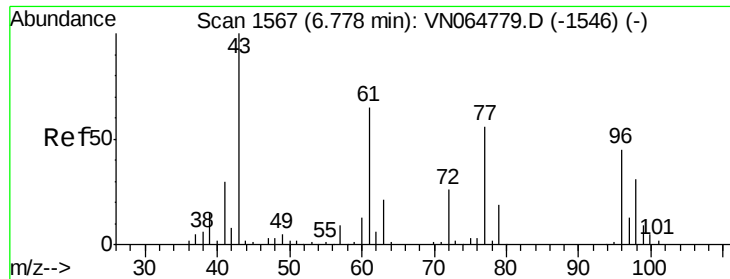
MMDadoda
11/25/2020 3:57:03 PM



#26
2,2-Dichloropropane
Concen: 17.397 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion: 77 Resp: 58516
Ion Ratio Lower Upper
77 100
97 23.5 11.7 35.0





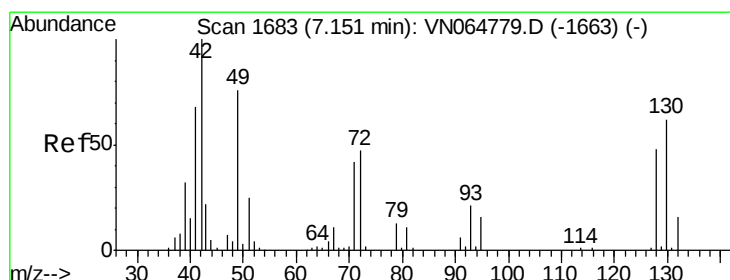
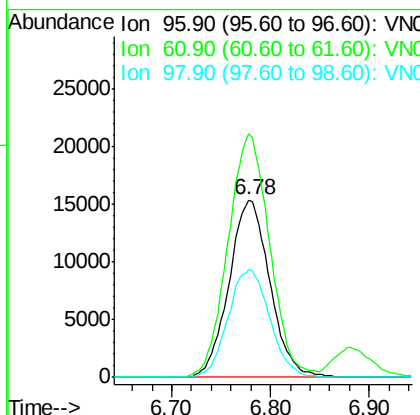
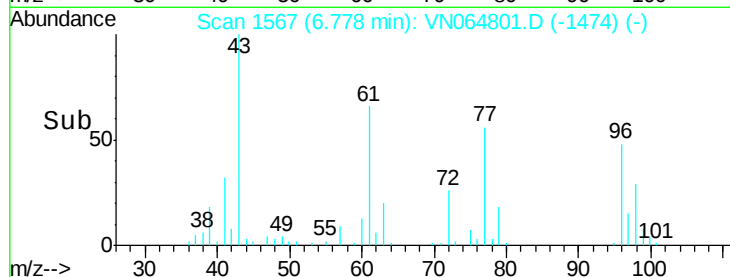
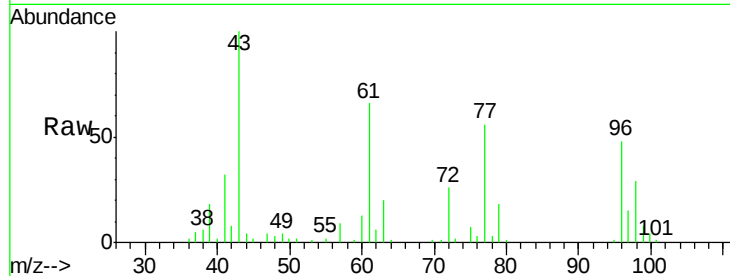
#27
 cis-1,2-Dichloroethene
 Concen: 17.989 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	285.8
98	61.9	0.0	130.6

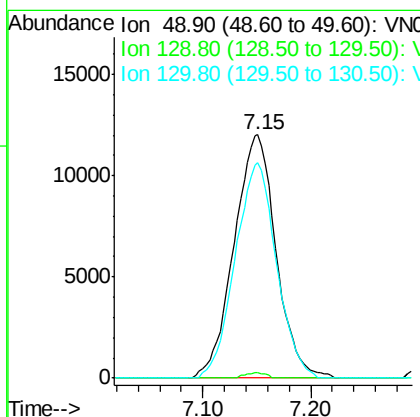
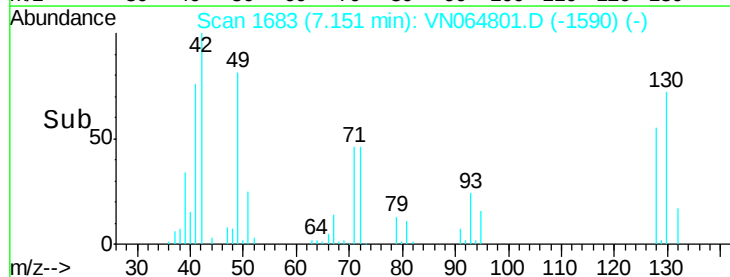
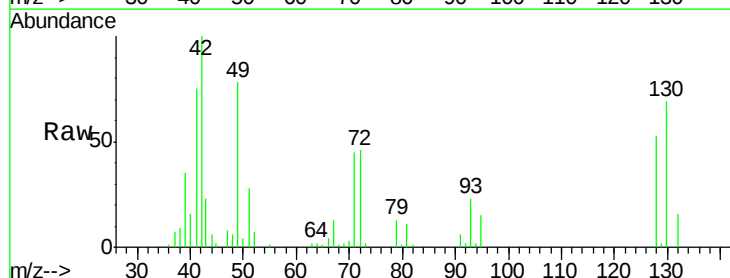
Manual Integrations
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#28
 Bromochloromethane
 Concen: 18.300 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	86.9	66.2	99.2





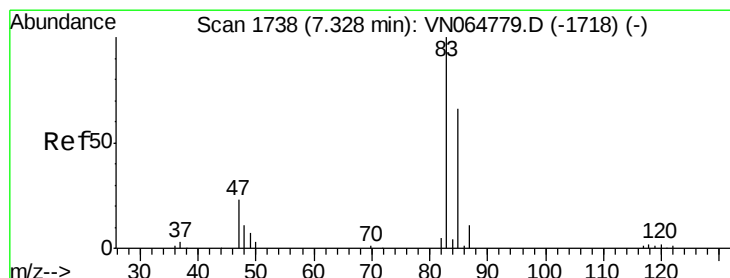
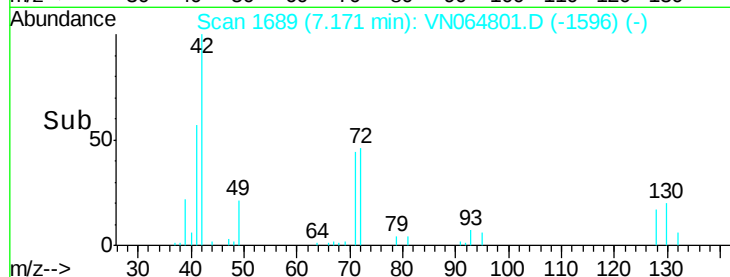
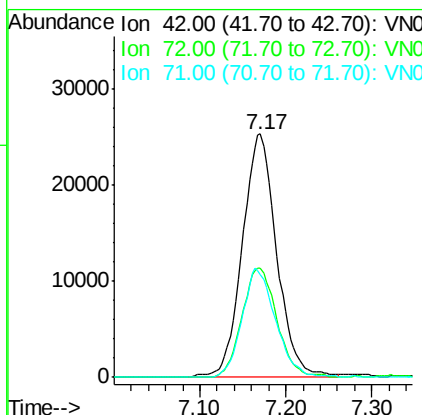
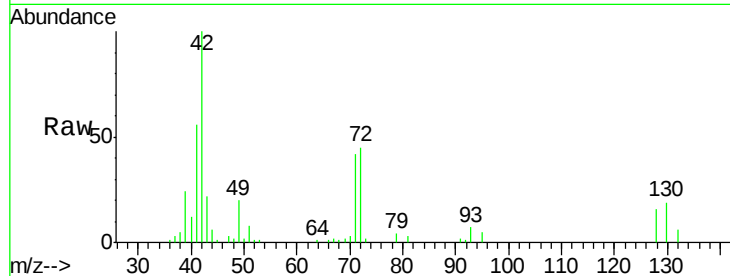
#29
Tetrahydrofuran
Concen: 81.185 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.6	54.8
71	43.6	33.6	50.4

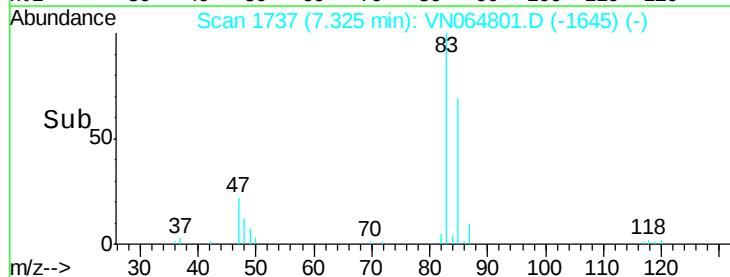
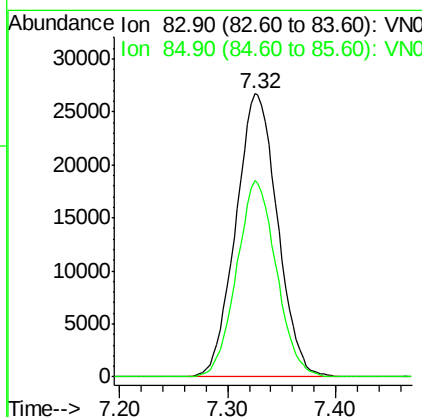
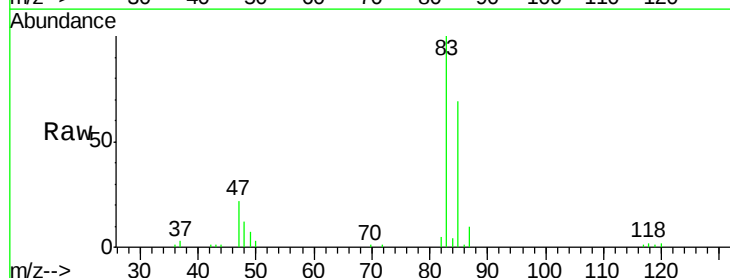
Manual Integrations
APPROVED

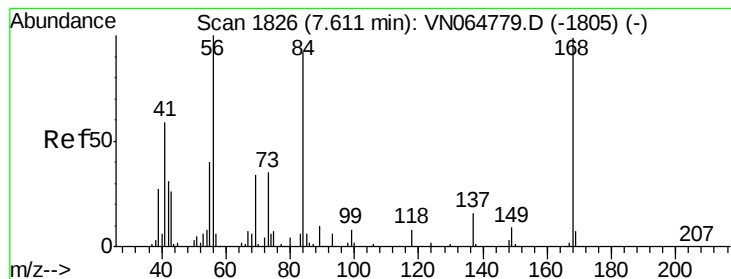
MMDadoda
11/25/2020 3:57:03 PM



#30
Chloroform
Concen: 17.962 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	52.6	78.8





#31

Cyclohexane

Concen: 18.177 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

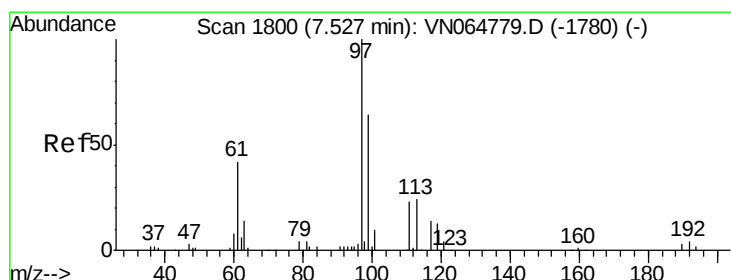
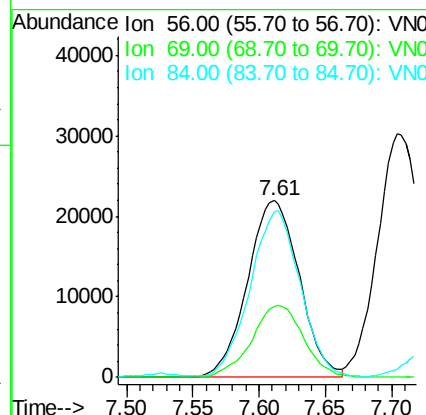
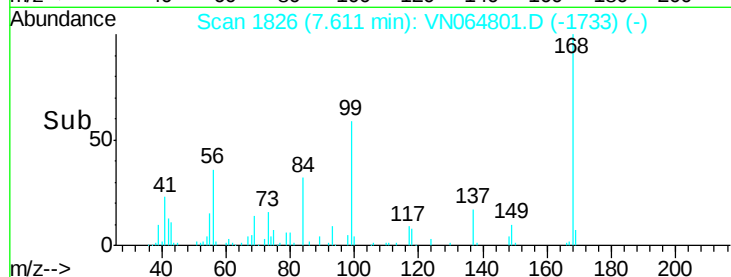
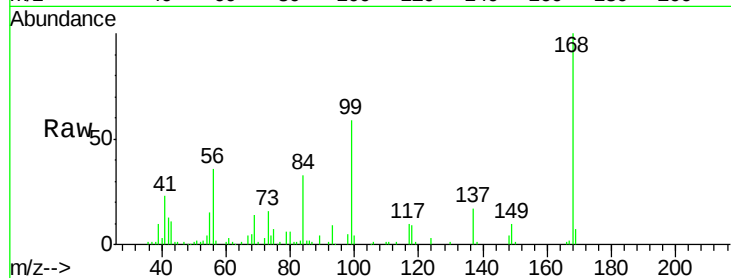
ClientSampleId :

VN1124WBS01

Tot Ion:	56	Resp:	59704
Ion	Ratio	Lower	Upper
56	100		
69	40.4	27.5	41.3
84	93.2	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.028 ug/l

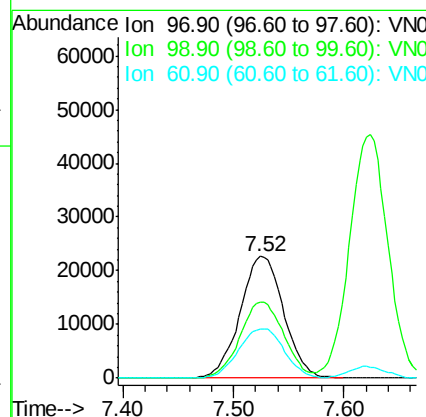
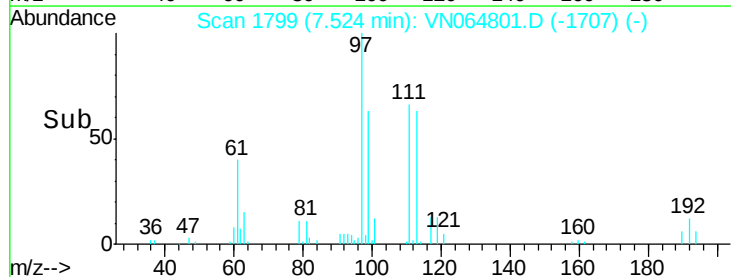
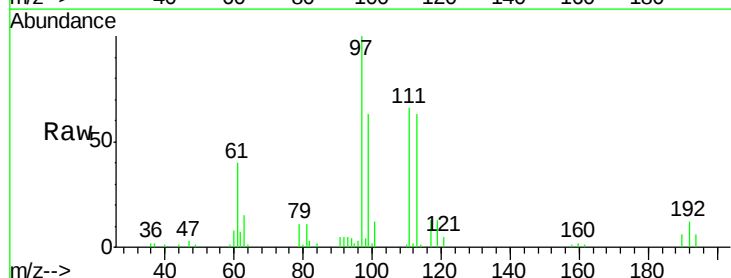
RT: 7.52 min Scan# 1799

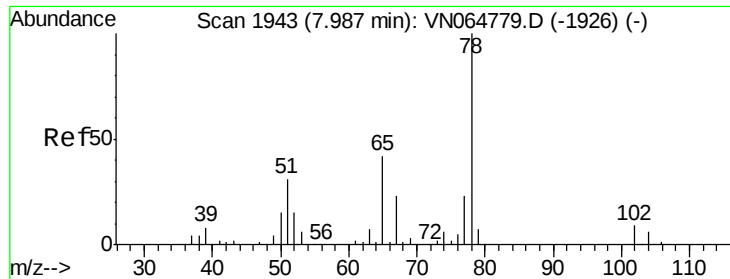
Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion:	97	Resp:	61926
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.7	77.5
61	42.6	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 47.609 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 65 Resp: 112199

Ion Ratio Lower Upper

65 100

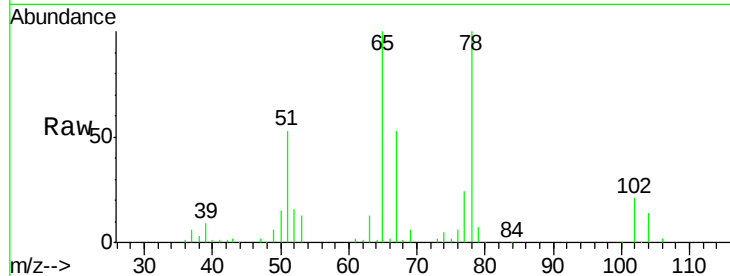
67 54.7 0.0 108.2

Manual Integrations

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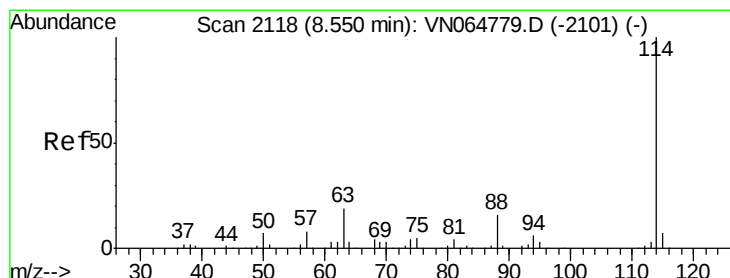
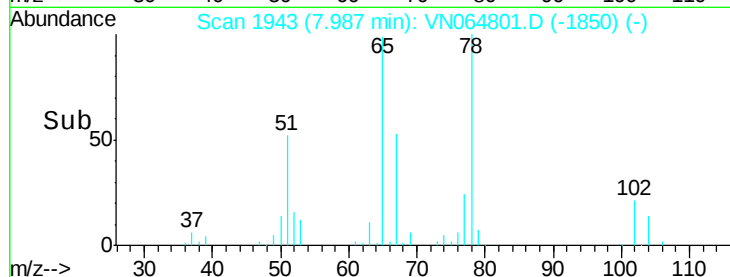
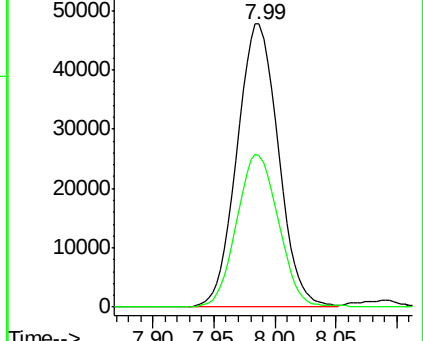
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Abundance Ion 64.90 (64.60 to 65.60): VN064801.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064801.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

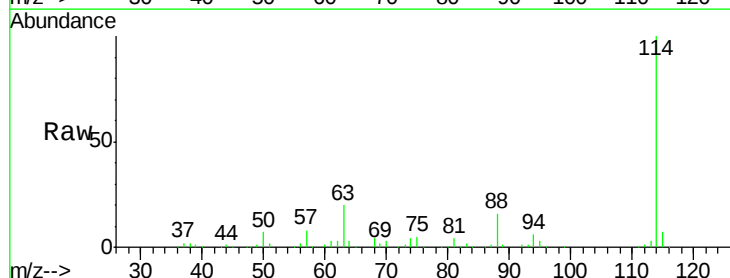
Tgt Ion: 114 Resp: 310485

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

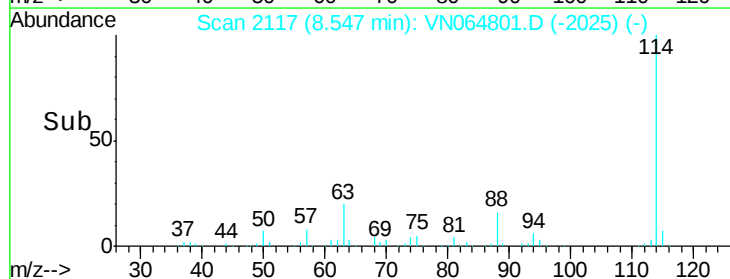
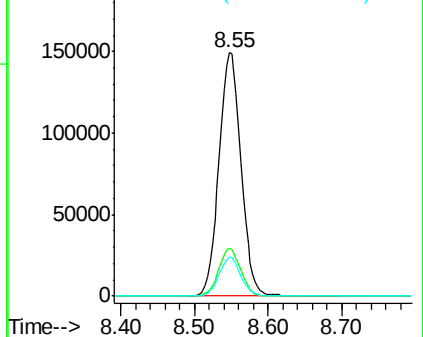
88 16.0 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064801.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064801.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064801.D (-2025) (-)





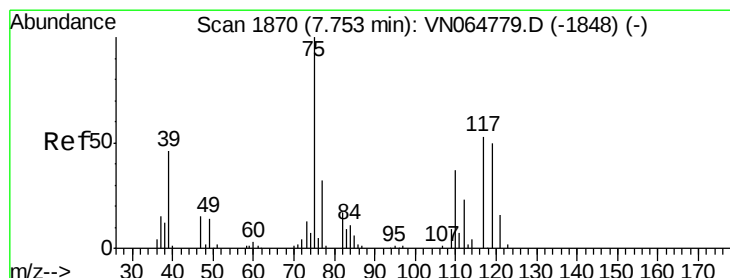
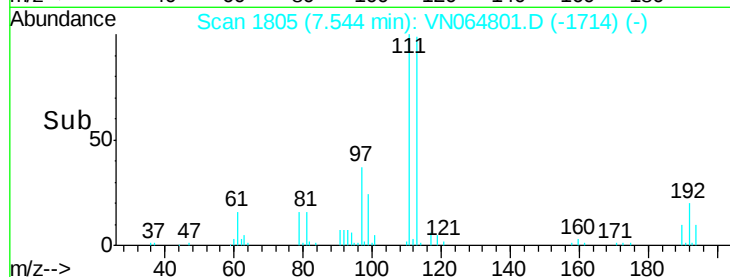
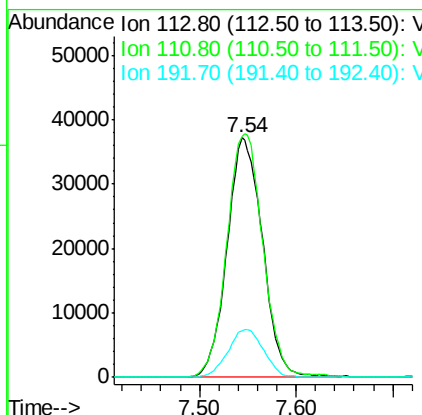
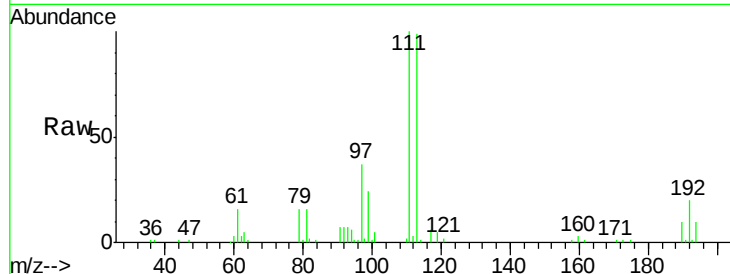
#35
Dibromofluoromethane
Concen: 50.905 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	20.2	16.2	24.2

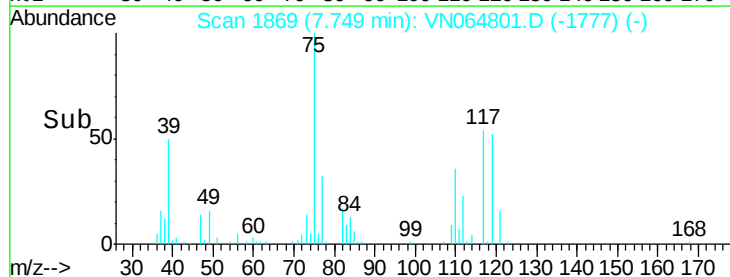
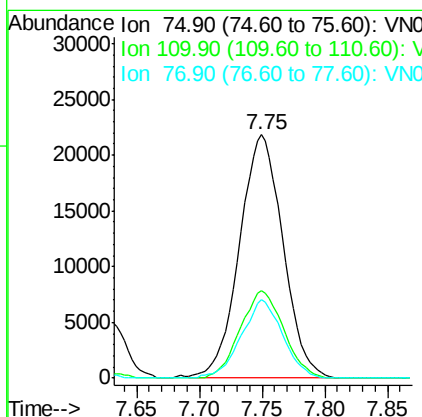
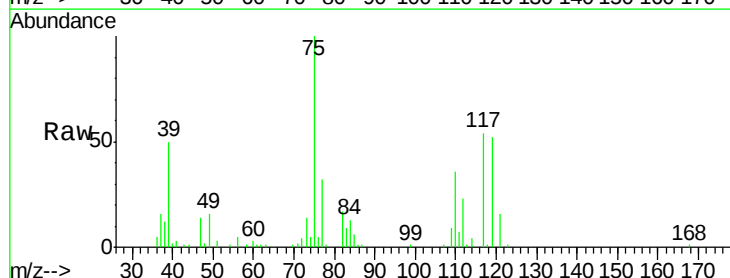
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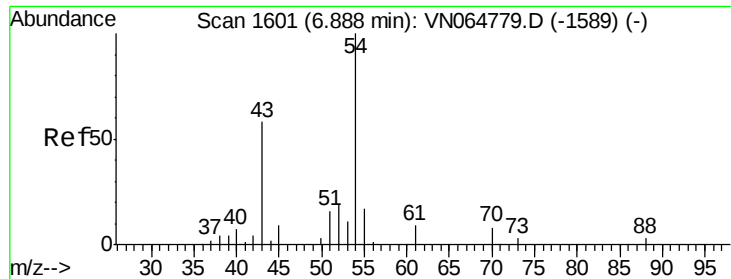
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#36
1,1-Dichloropropene
Concen: 18.325 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.3
77	30.6	25.0	37.4





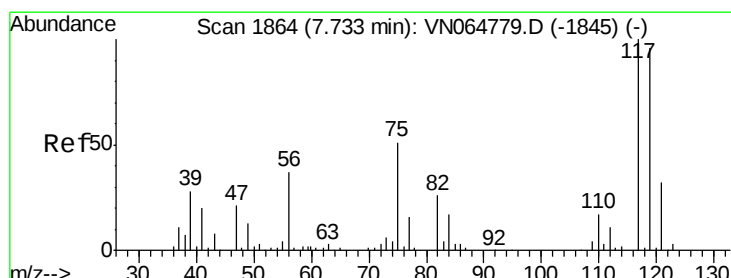
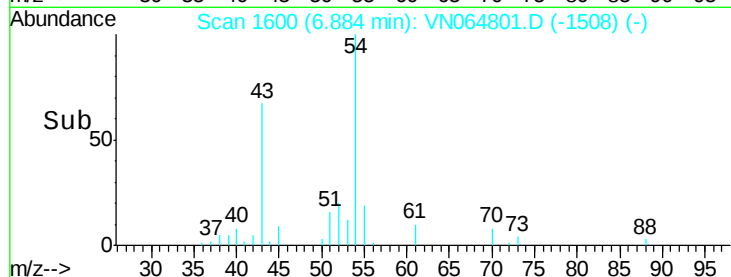
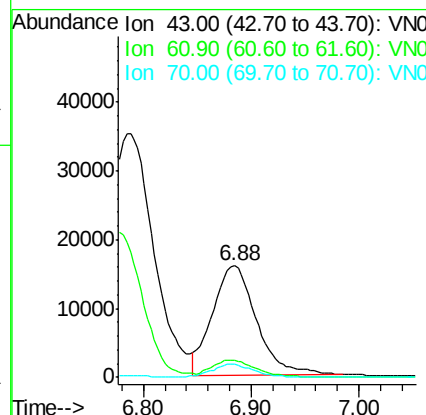
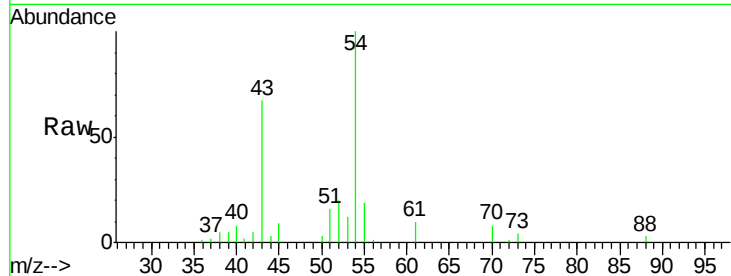
#37
Ethyl Acetate
Concen: 16.588 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	43	61	70
Resp	45986		
Ratio	100	15.5	10.9
Lower		12.8	8.8
Upper		19.2	13.2

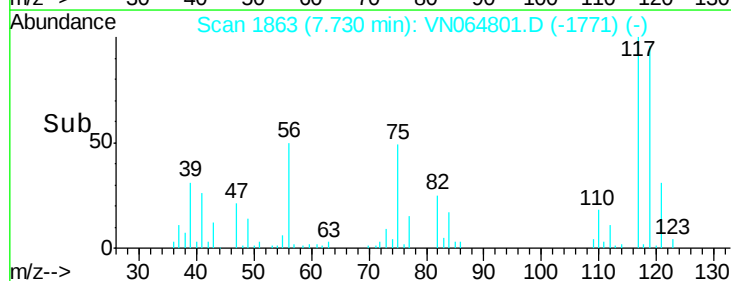
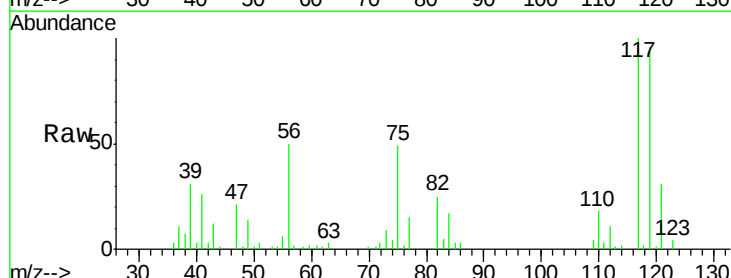
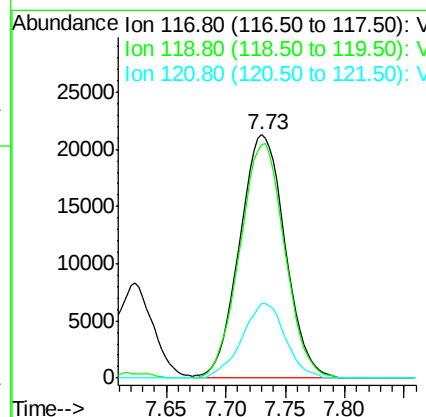
Manual Integrations
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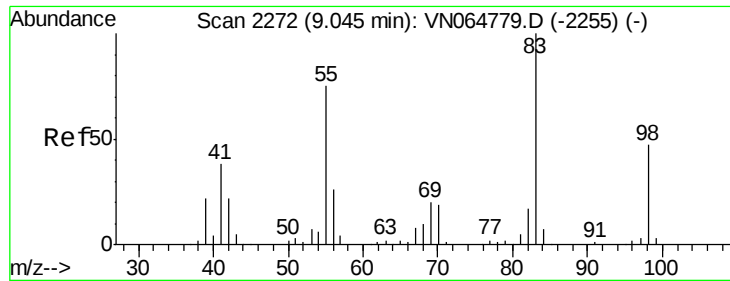
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#38
Carbon Tetrachloride
Concen: 18.830 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	117	119	121
Resp	56386		
Ratio	100	96.0	30.5
Lower		76.7	25.4
Upper		115.1	38.2





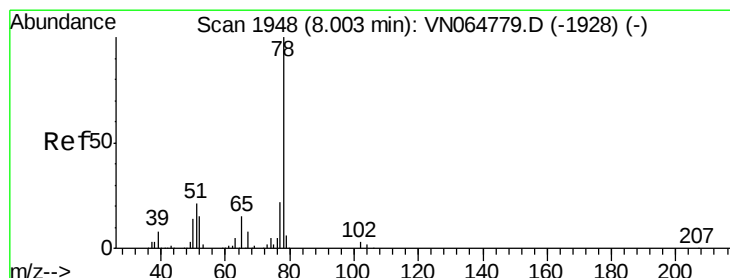
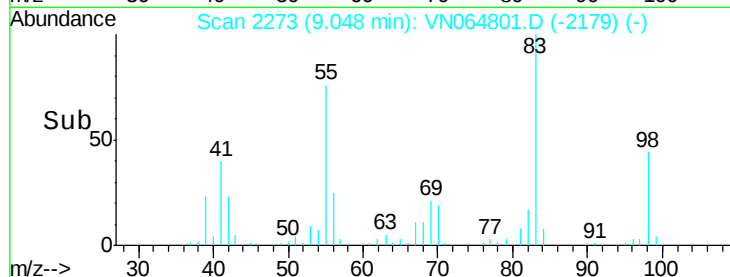
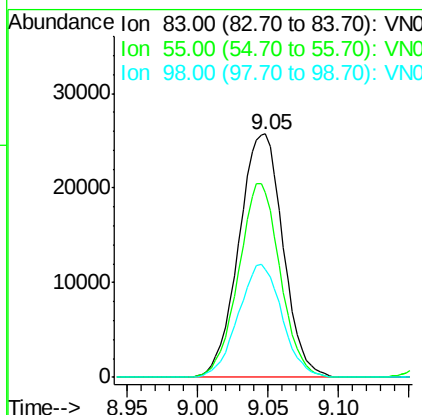
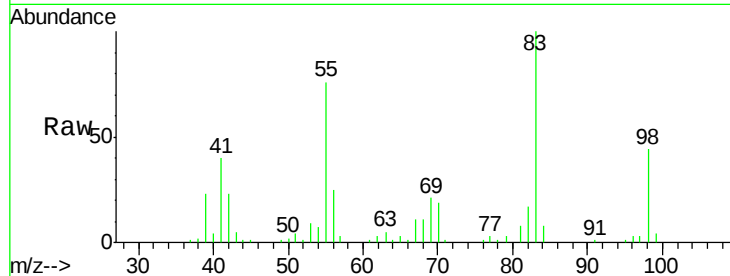
#39
Methvlcvclohexane
Concen: 18.165 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.2	90.2
98	44.3	37.4	56.2

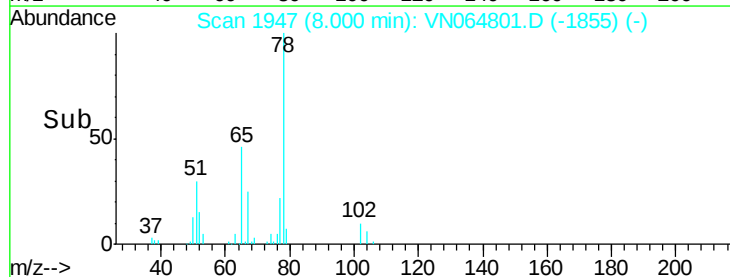
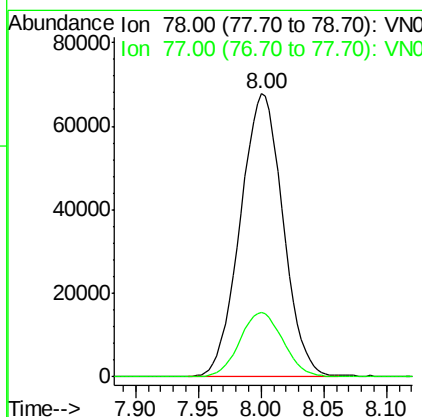
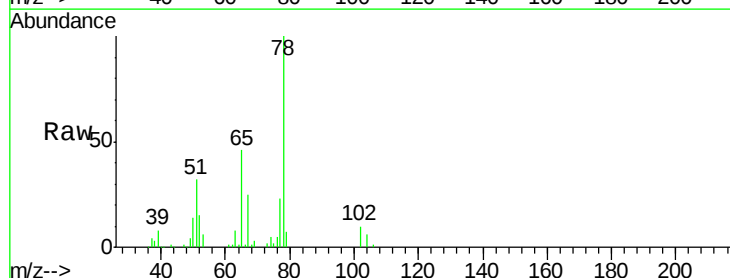
Manual Integrations
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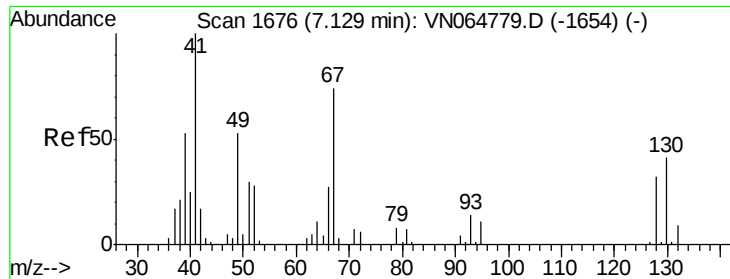
MMDadoda
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#40
Benzene
Concen: 18.257 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.9	26.9





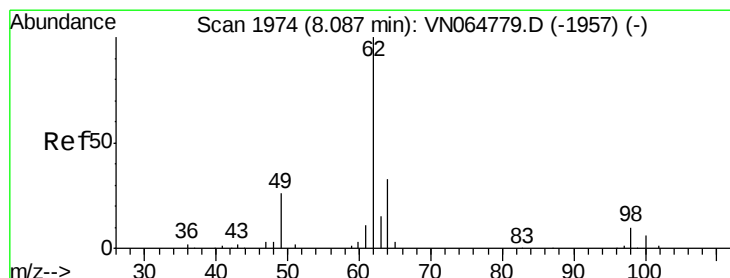
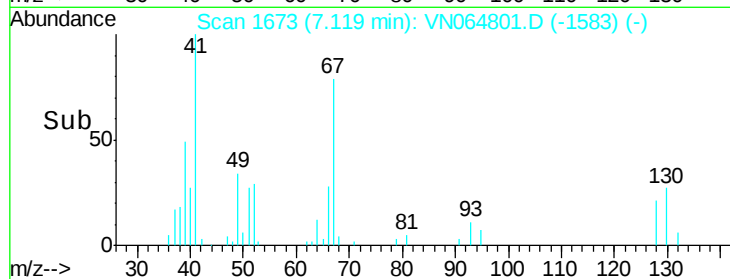
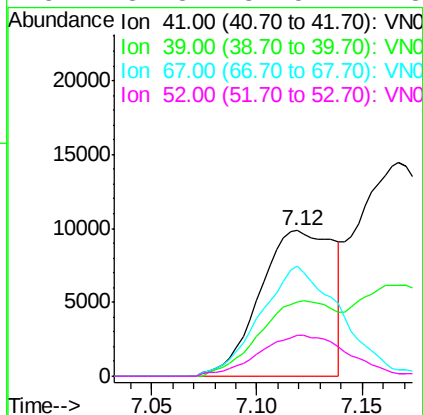
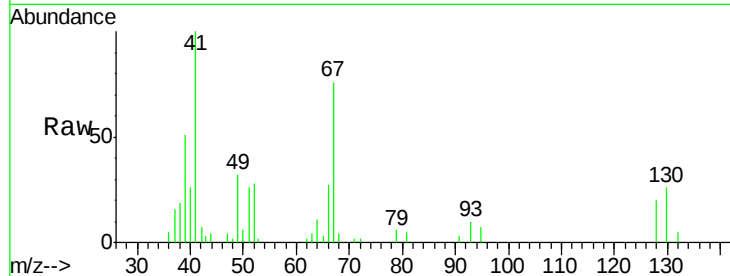
#41
Methacrylonitrile
Concen: 18.703 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	41	Resp	23924
Ion	Ratio	Lower	Upper
41	100		
39	51.9	51.0	76.6
67	83.4	79.8	119.8
52	34.3	31.5	47.3

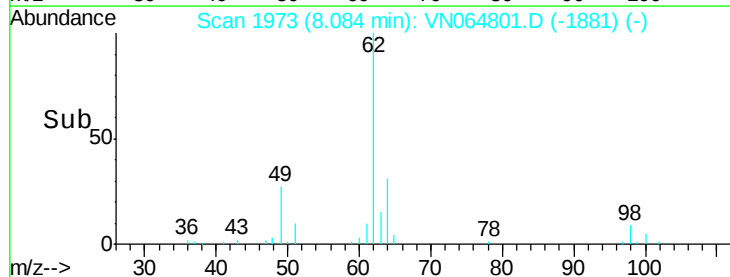
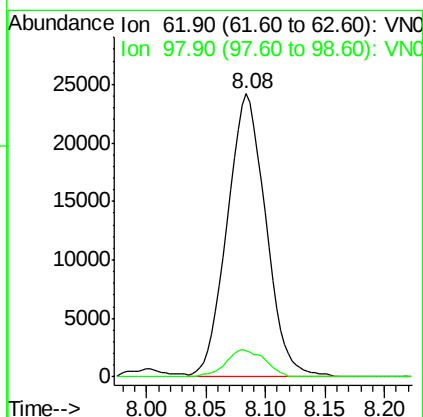
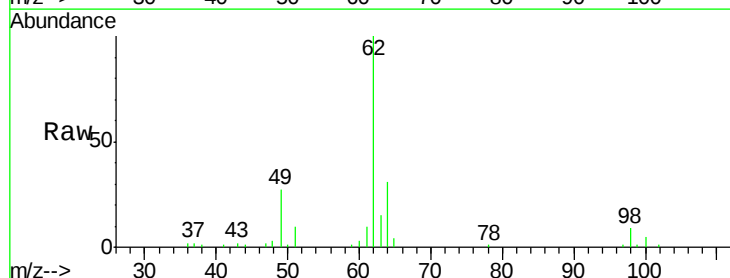
Manual Integrations
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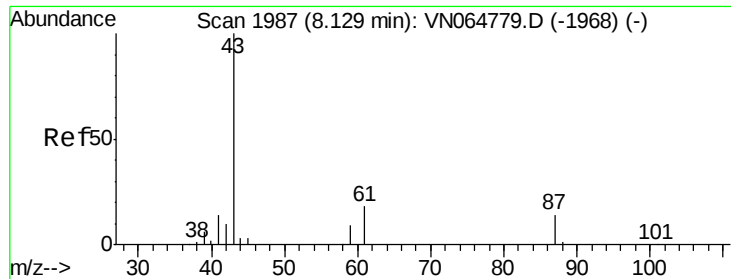
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#42
1,2-Dichloroethane
Concen: 18.356 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	62	Resp	54609
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





#43

Isopropyl Acetate

Concen: 16.378 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

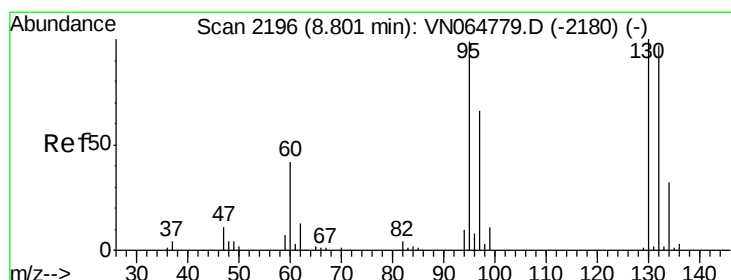
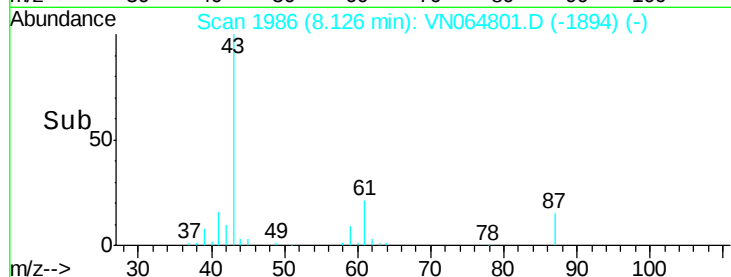
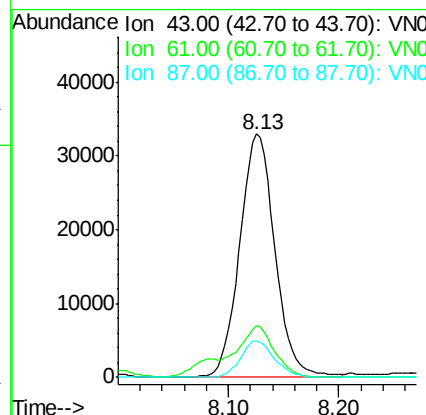
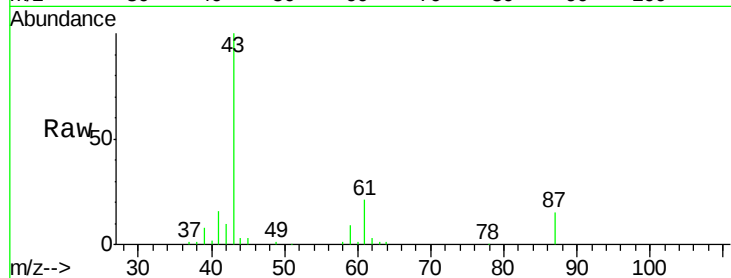
ClientSampleId :

VN1124WBS01

Tot Ion:	43	Resp:	73058
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.2	25.8
87	14.2	11.4	17.0

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#44

Trichloroethene

Concen: 17.646 ug/l

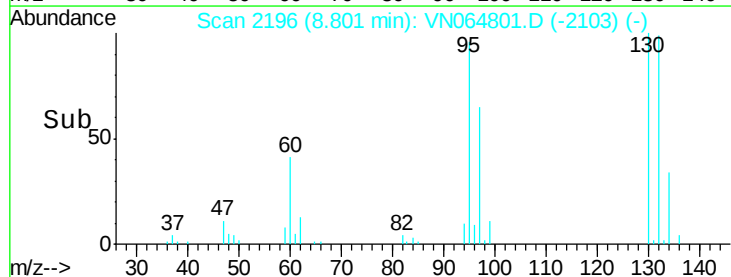
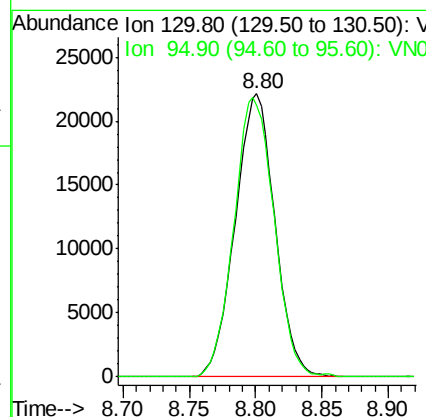
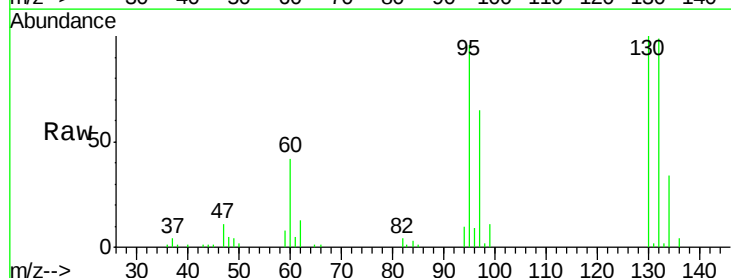
RT: 8.80 min Scan# 2196

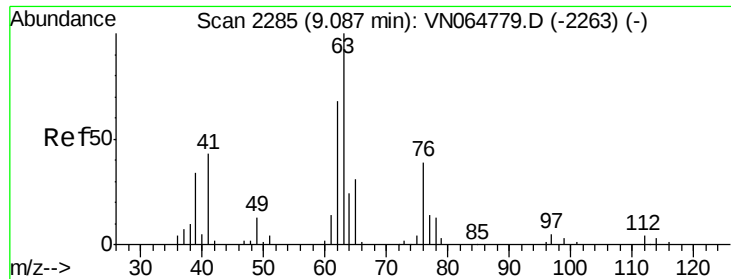
Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion:	130	Resp:	45914
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	197.8





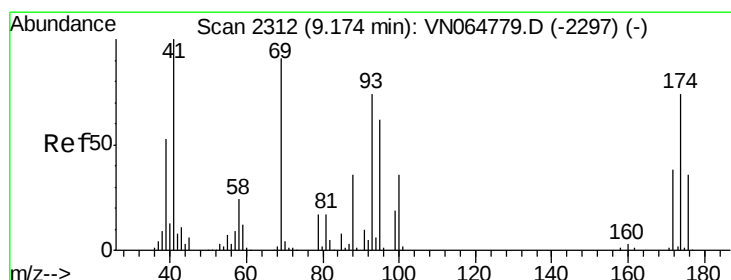
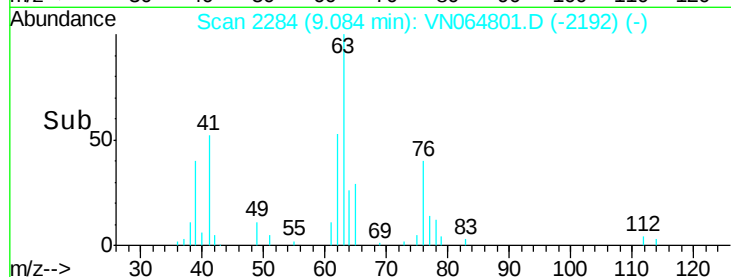
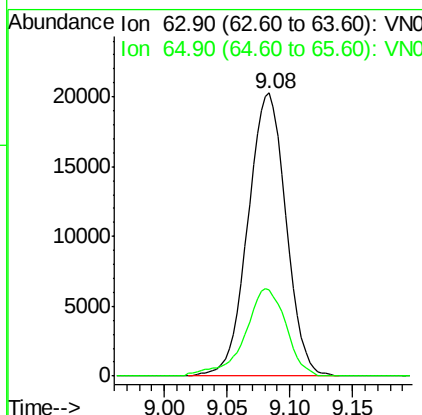
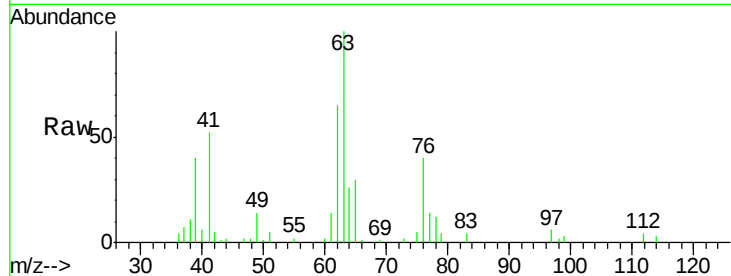
#45
 1,2-Dichloropropane
 Concen: 18.755 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion: 63 Resp: 42832
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

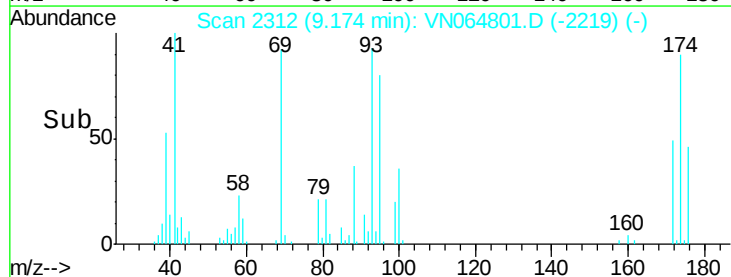
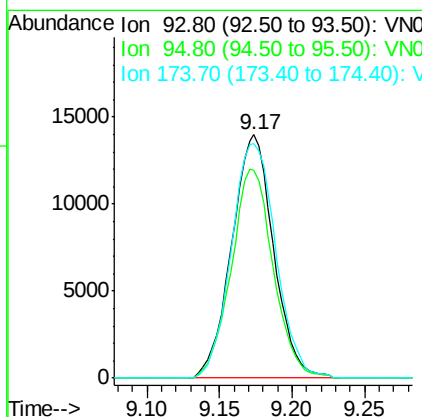
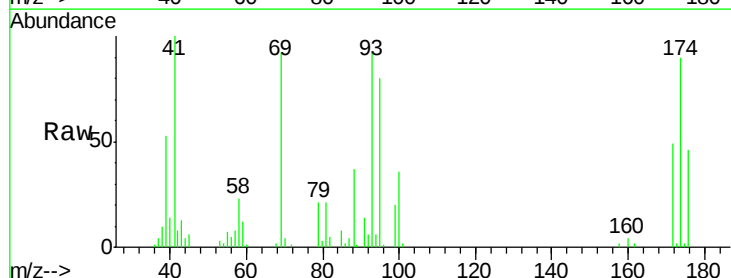
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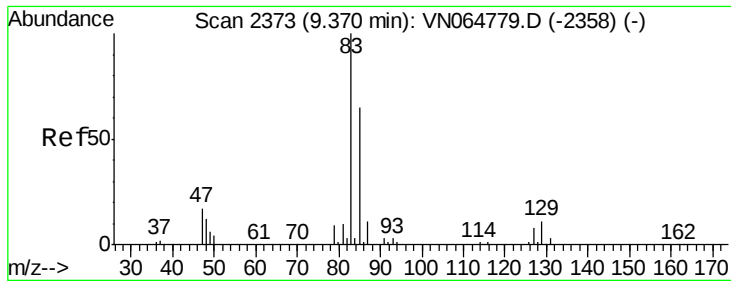
MMDadoda
 11/25/2020 3:57:03 PM



#46
 Dibromomethane
 Concen: 18.396 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion: 93 Resp: 28067
 Ion Ratio Lower Upper
 93 100
 95 85.9 68.8 103.2
 174 102.1 83.1 124.7





#47

Bromodichloromethane

Concen: 18.299 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

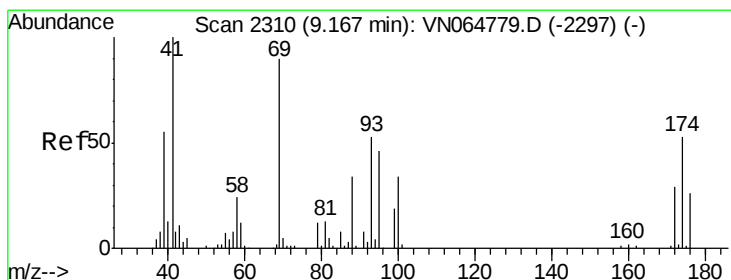
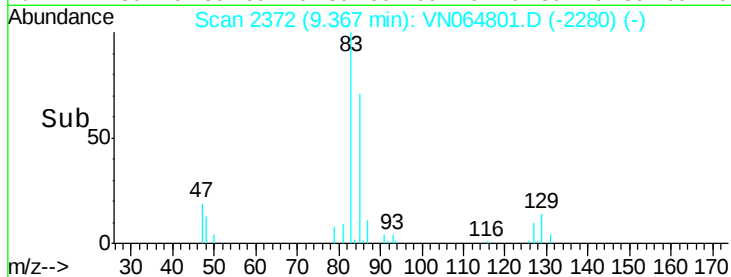
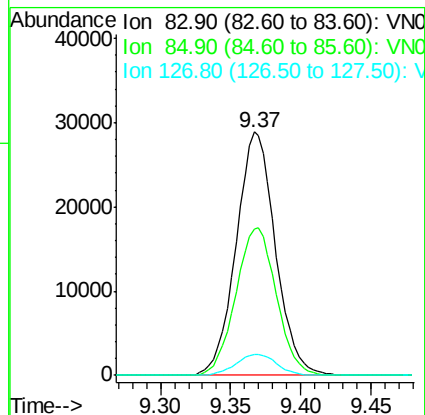
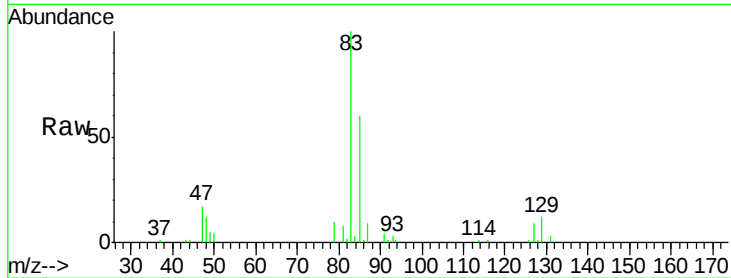
ClientSampleId :

VN1124WBS01

Tot Ion:	83	Resp:	56178
Ion Ratio	Lower	Upper	
83	100		
85	60.2	51.8	77.8
127	8.7	6.8	10.2

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#48

Methyl methacrylate

Concen: 16.702 ug/l

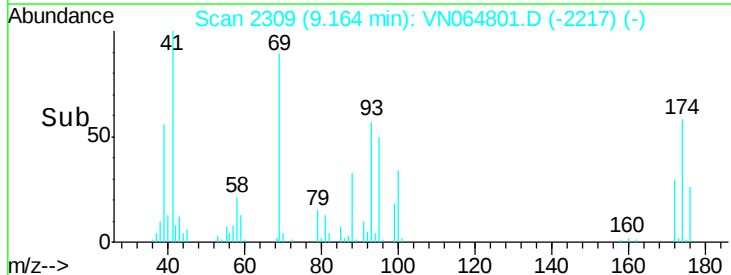
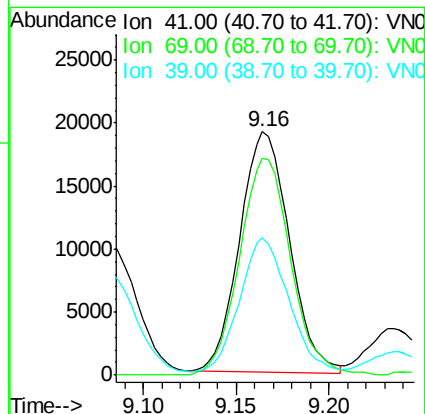
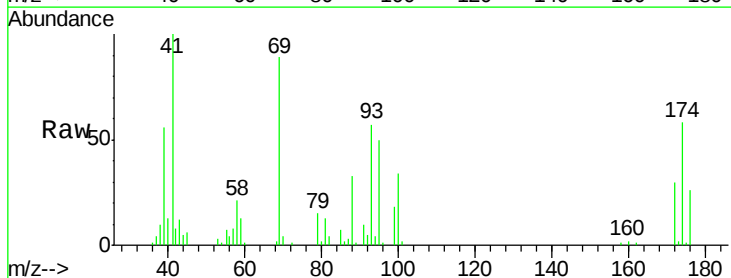
RT: 9.16 min Scan# 2309

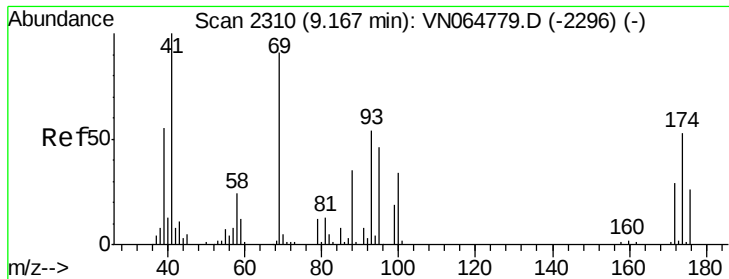
Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion:	41	Resp:	35601
Ion Ratio	Lower	Upper	
41	100		
69	92.9	71.8	107.8
39	58.2	44.1	66.1





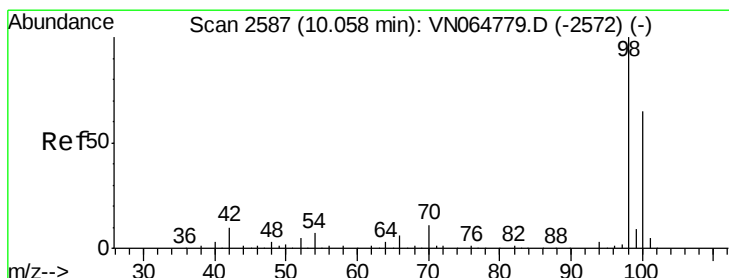
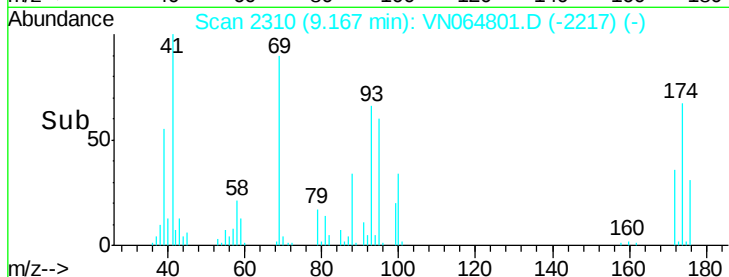
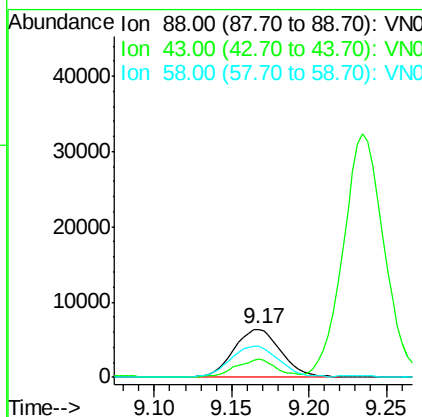
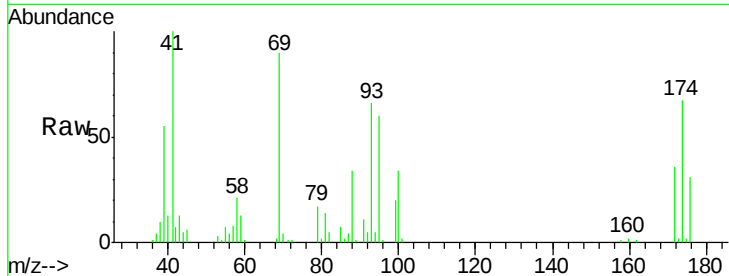
#49
1,4-Dioxane
Concen: 337.908 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	24.2	36.4
58	66.9	52.5	78.7

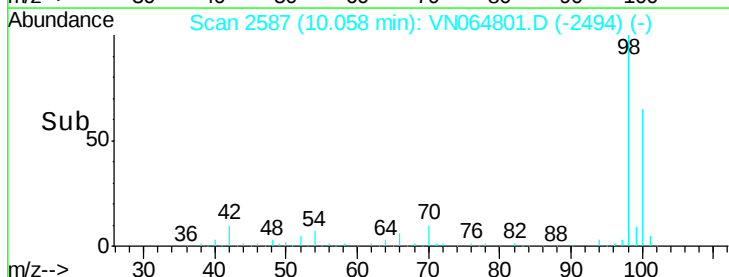
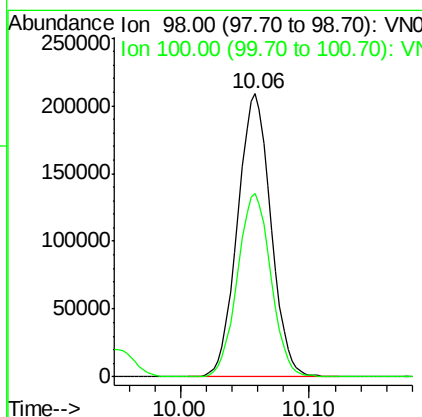
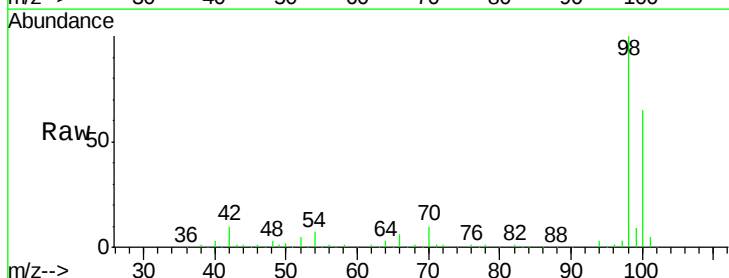
Manual Integrations
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#50
Toluene-d8
Concen: 49.478 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 86.156 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 43 Resp: 230728

Ion Ratio Lower Upper

43 100

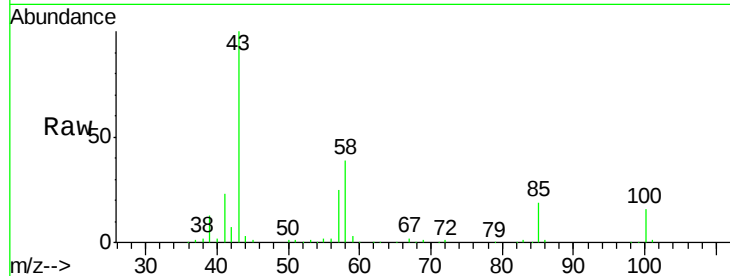
58 39.6 32.4 48.6

Manual Integrations

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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) (-)

9.95

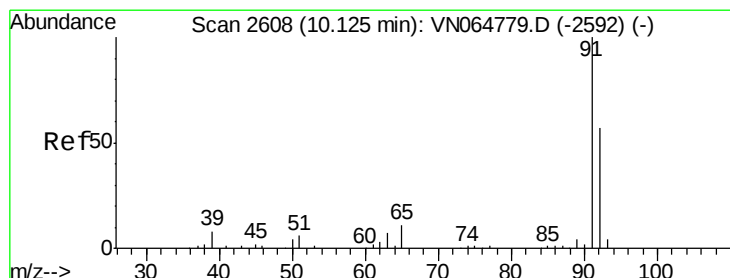
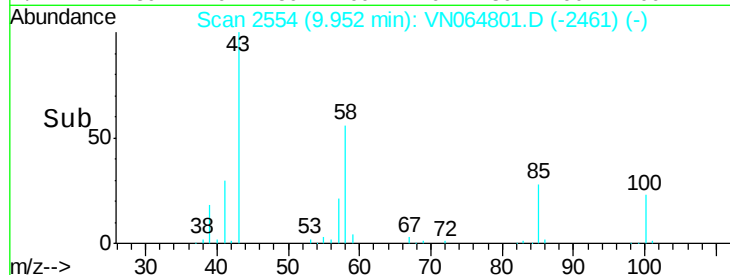
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.001 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064801.D

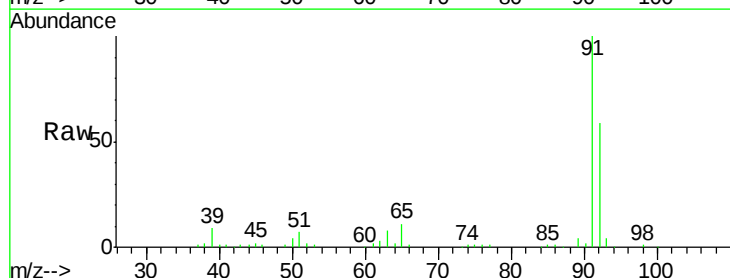
Acq: 24 Nov 2020 11:25

Tgt Ion: 92 Resp: 103194

Ion Ratio Lower Upper

92 100

91 170.4 139.1 208.7



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

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

10.12

100000

80000

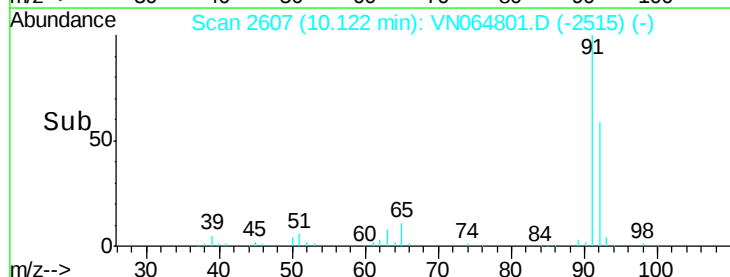
60000

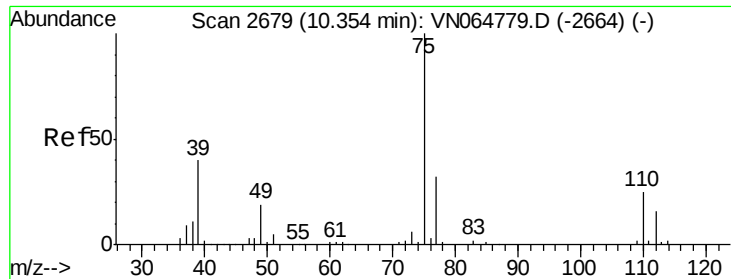
40000

20000

0

Time-->





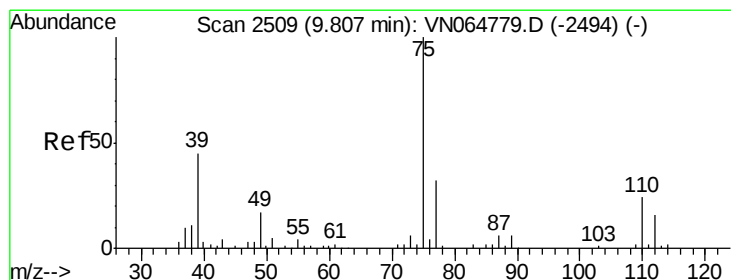
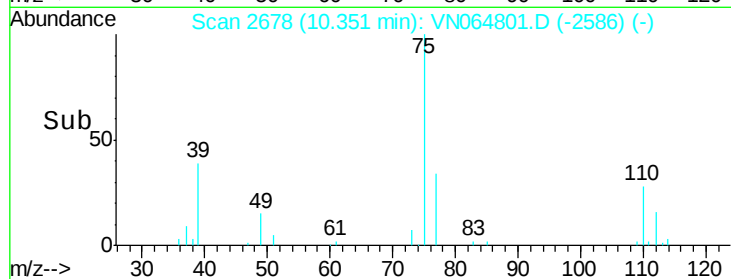
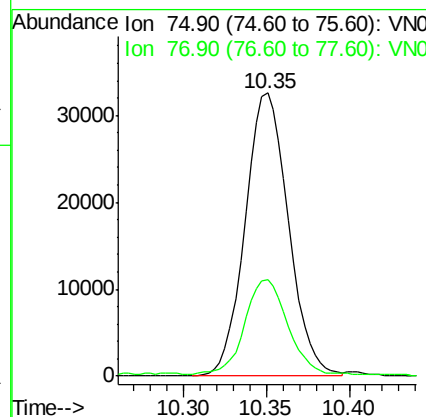
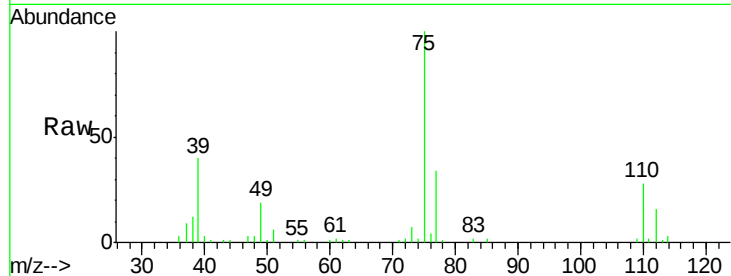
#53
t-1,3-Dichloropropene
Concen: 17.351 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion: 75 Resp: 59328
Ion Ratio Lower Upper
75 100
77 33.3 25.8 38.6

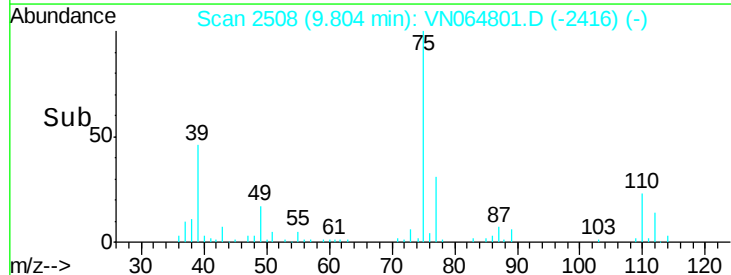
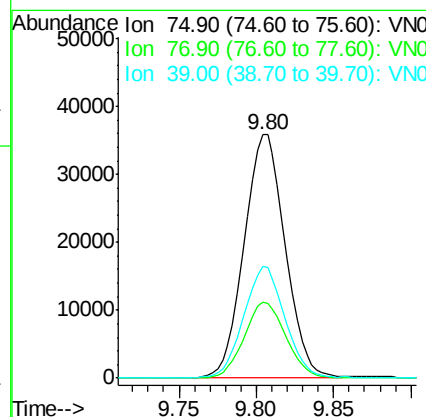
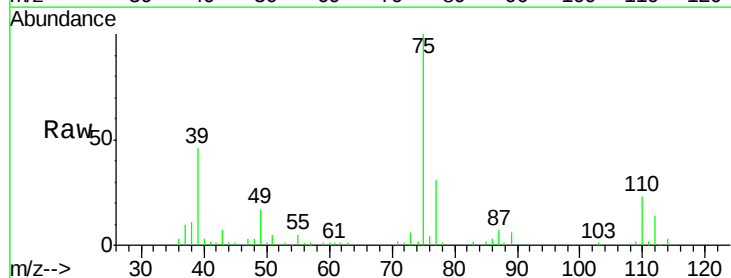
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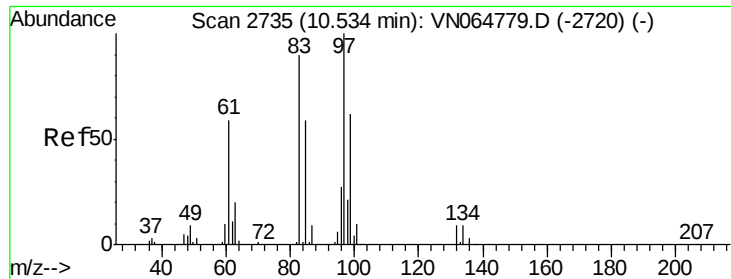
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#54
cis-1,3-Dichloropropene
Concen: 18.116 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion: 75 Resp: 66397
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3
39 45.9 35.6 53.4





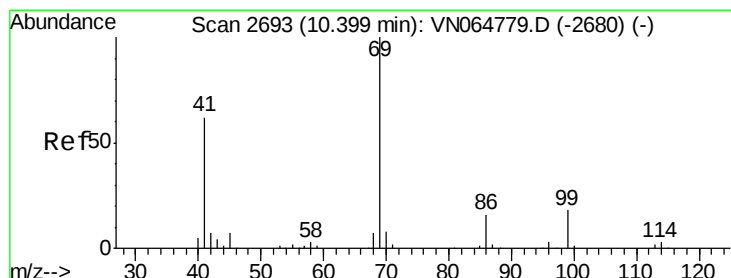
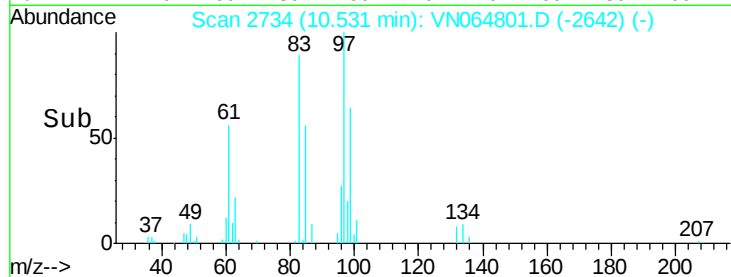
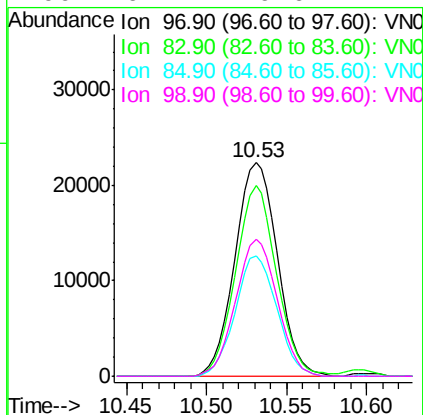
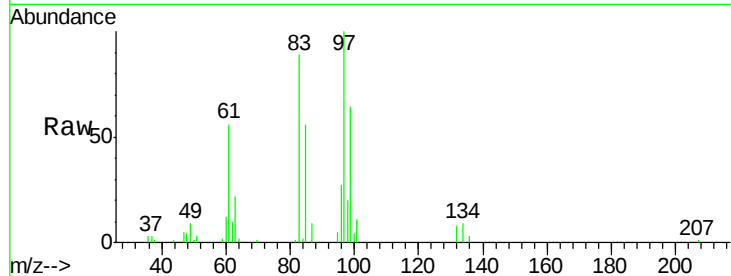
#55
 1,1,2-Trichloroethane
 Concen: 18.145 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion:	97	Resp:	40524
Ion	Ratio	Lower	Upper
97	100		
83	89.3	72.1	108.1
85	56.3	46.8	70.2
99	64.2	49.6	74.4

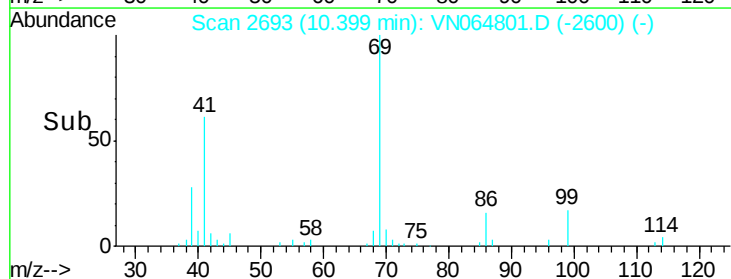
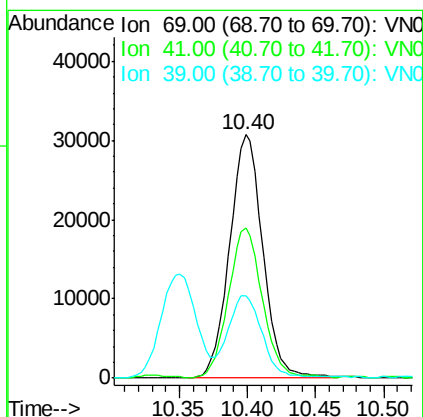
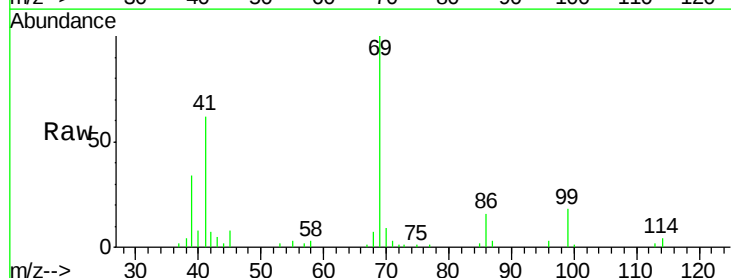
Manual Integrations
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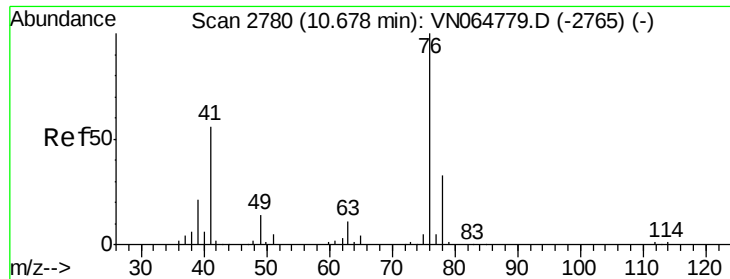
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#56
 Ethyl methacrylate
 Concen: 16.888 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion:	69	Resp:	52047
Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.4	74.0
39	33.6	25.9	38.9





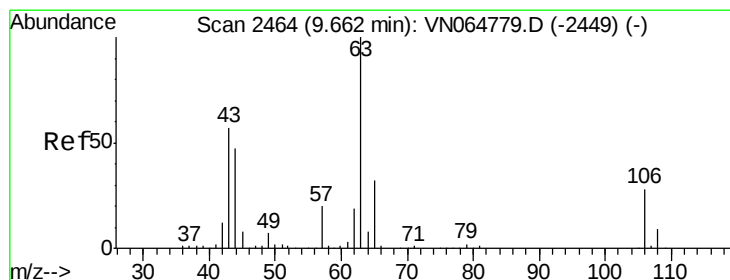
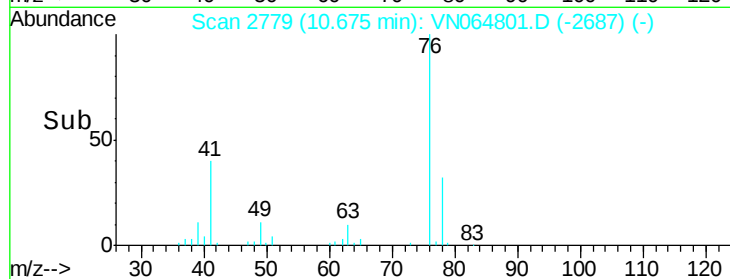
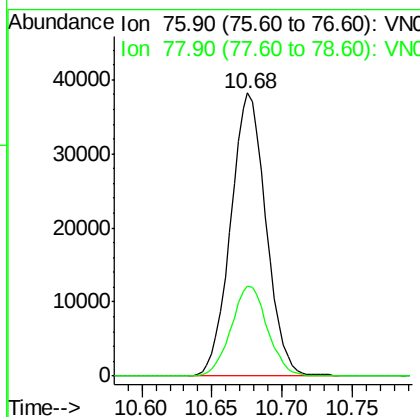
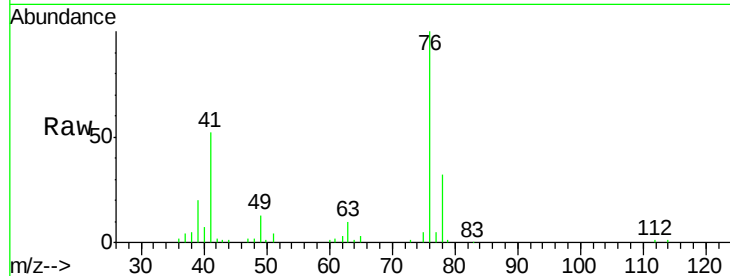
#57
 1,3-Dichloropropane
 Concen: 18.192 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion: 76 Resp: 67020
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

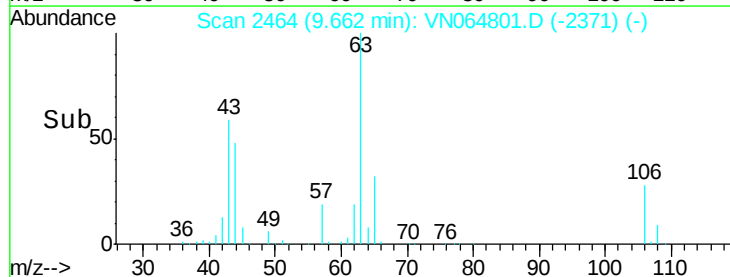
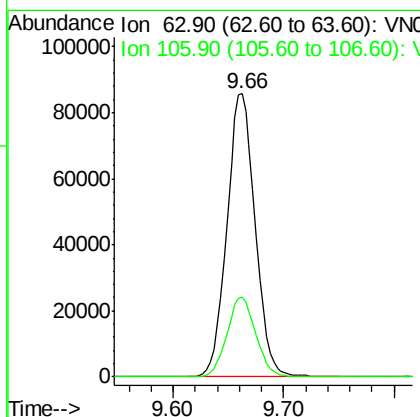
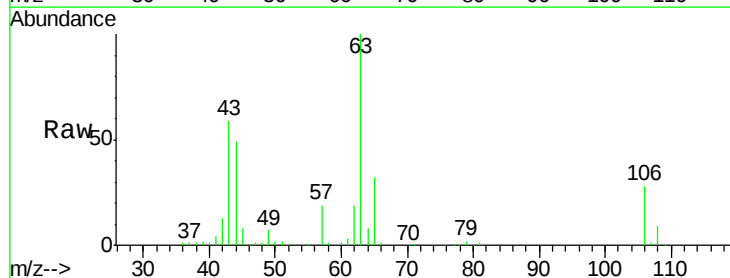
Manual Integrations
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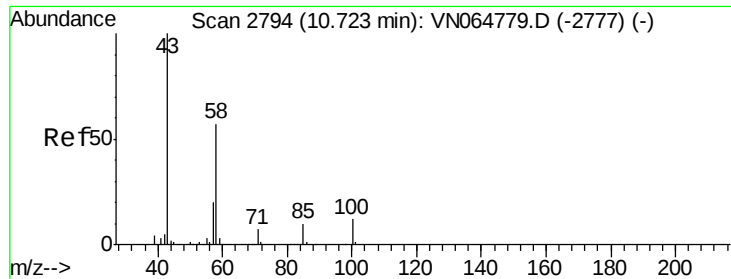
MMDadoda
 11/25/2020 3:57:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.599 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion: 63 Resp: 151891
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.7 34.1





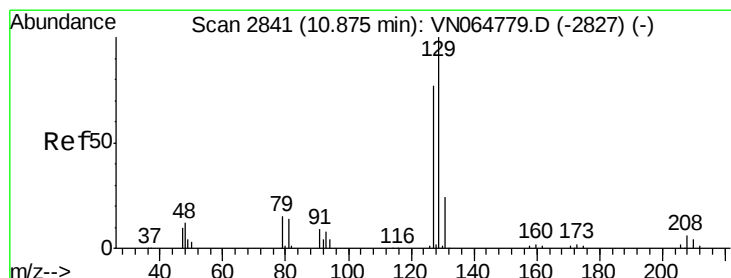
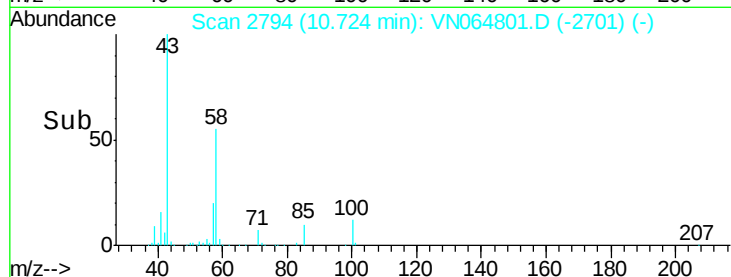
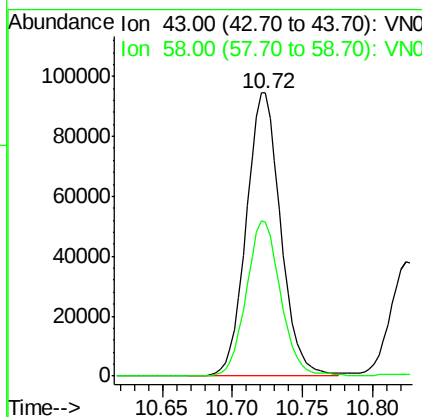
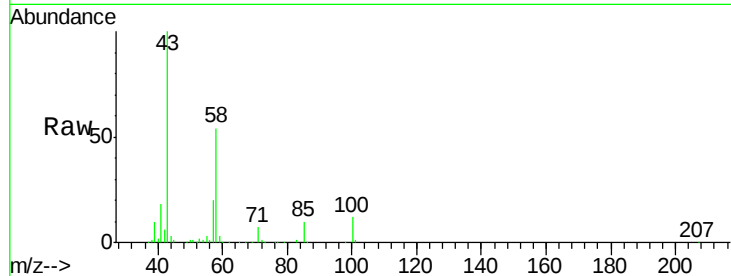
#59
2-Hexanone
Concen: 83.957 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	43	Resp	161813
Ion Ratio	43	100	
Lower	58	54.5	28.3
Upper			84.9

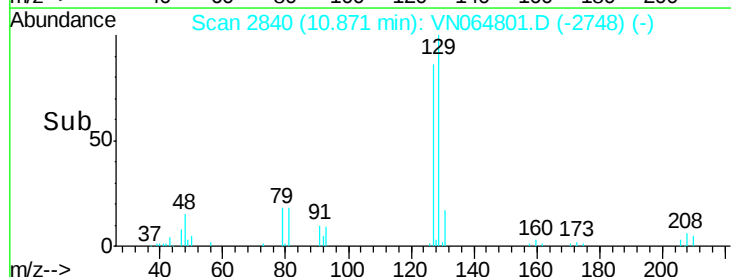
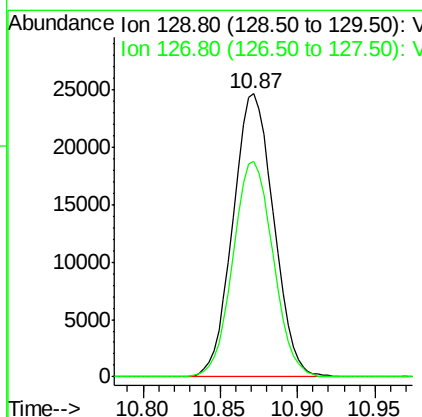
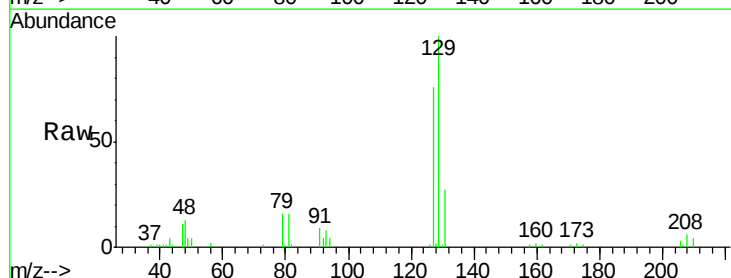
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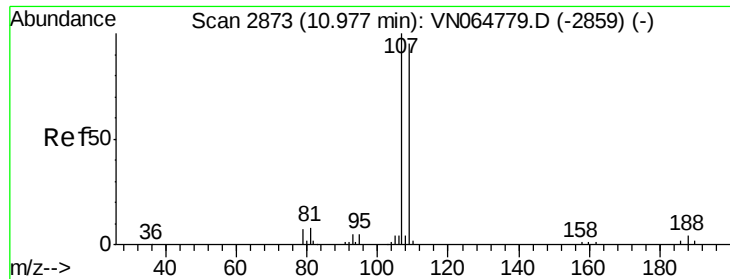
MMDadoda
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#60
Dibromochloromethane
Concen: 18.197 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	129	Resp	45174
Ion Ratio	129	100	
Lower	127	74.9	39.1
Upper			117.2





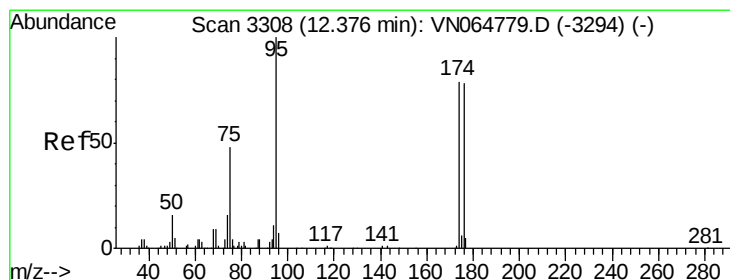
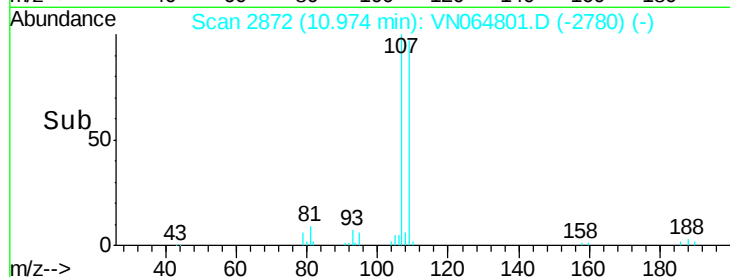
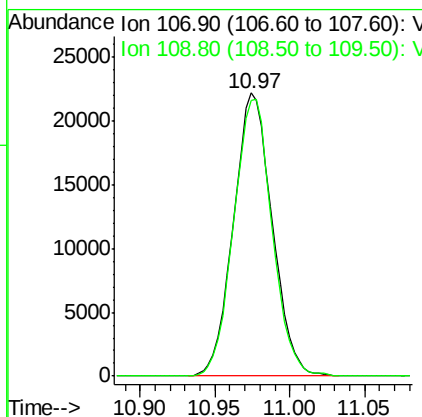
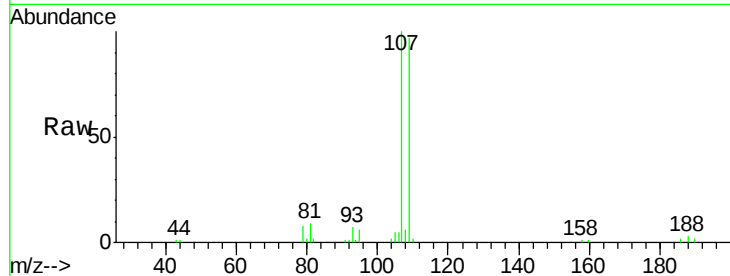
#61
 1,2-Dibromoethane
 Concen: 17.636 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	76.0	114.0

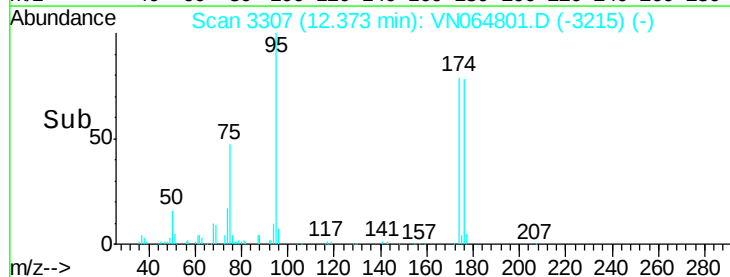
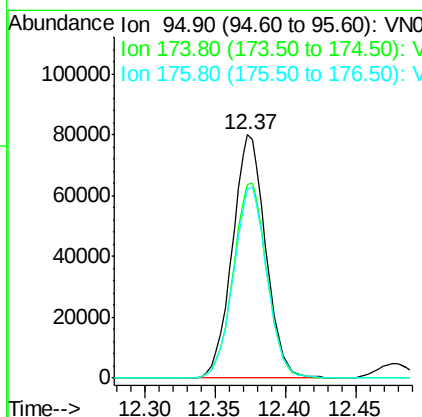
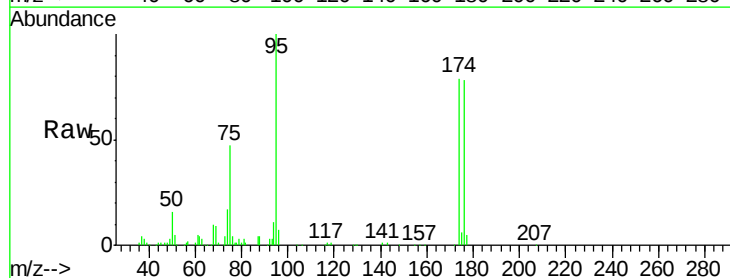
Manual Integrations
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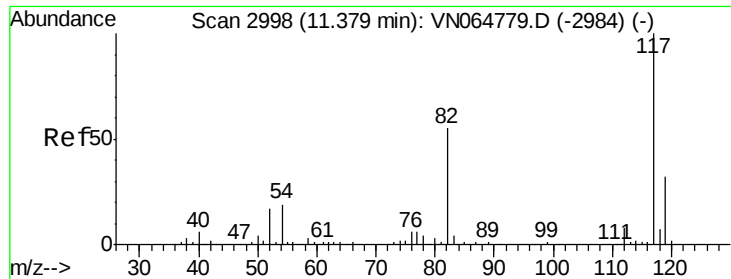
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#62
 4-Bromofluorobenzene
 Concen: 48.577 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	160.4
176	79.0	0.0	158.4





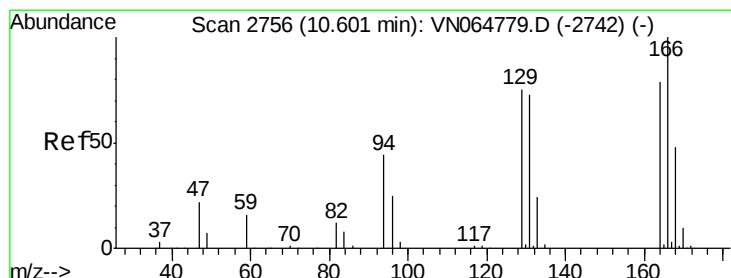
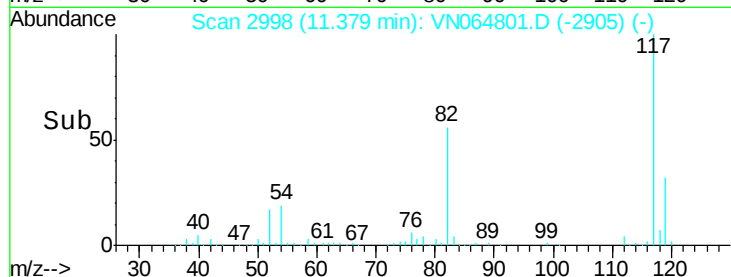
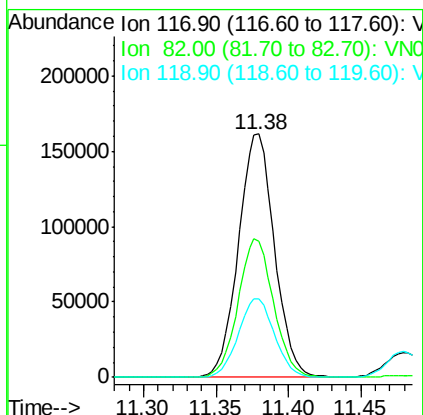
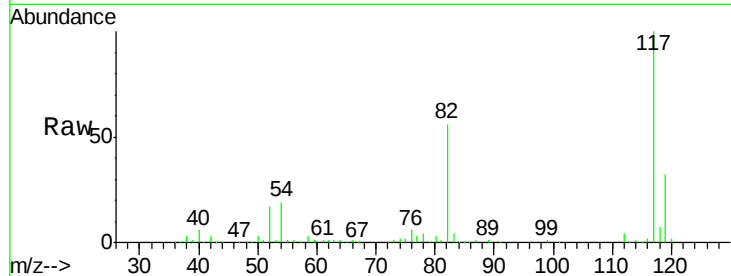
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.2
119	32.3	25.8	38.6

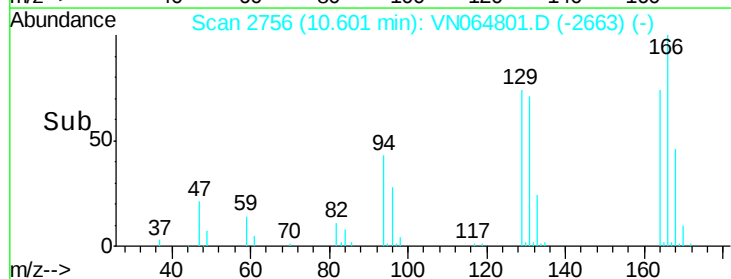
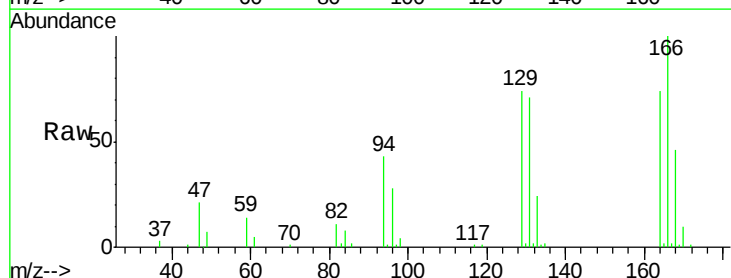
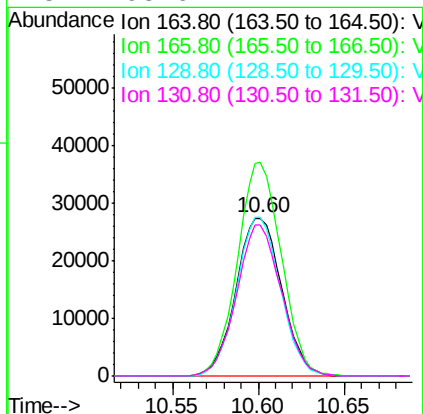
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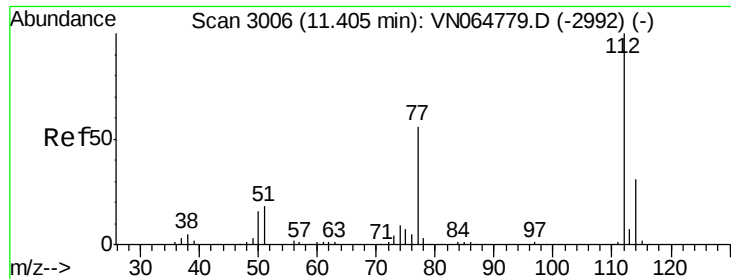
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#64
Tetrachloroethene
Concen: 18.624 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.2	101.4	152.0
129	100.2	76.1	114.1
131	95.6	74.2	111.2





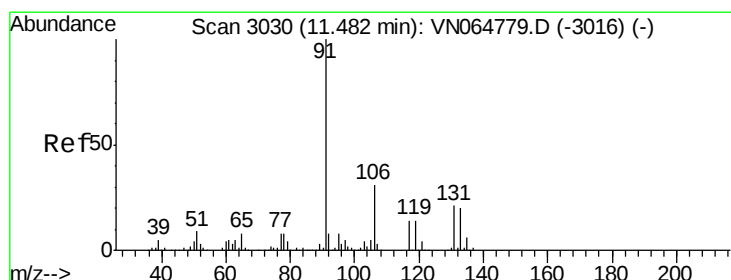
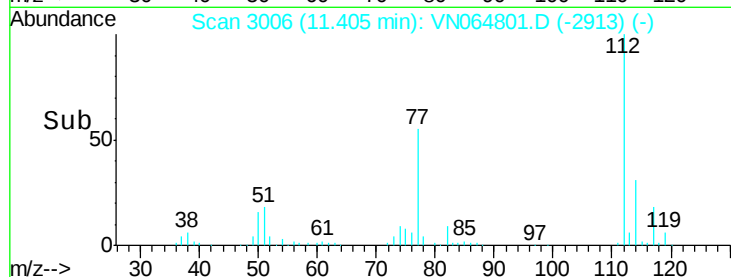
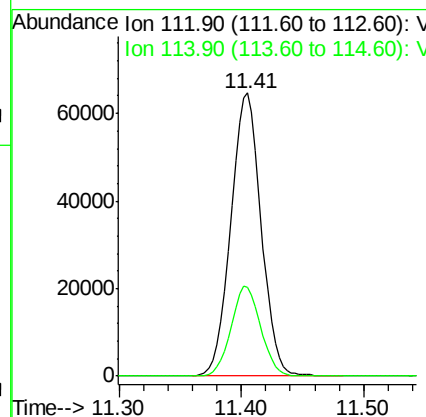
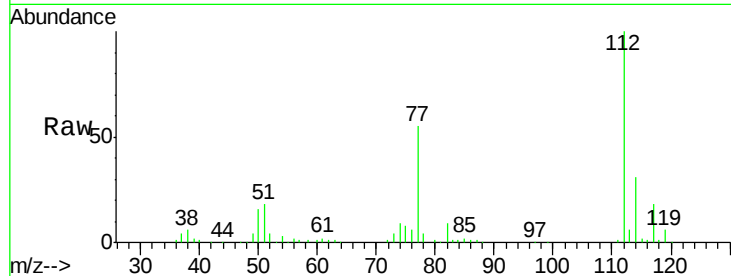
#65
Chlorobenzene
Concen: 18.724 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion:112 Resp: 112146
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7

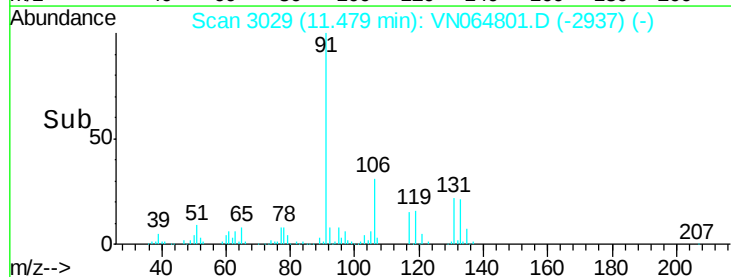
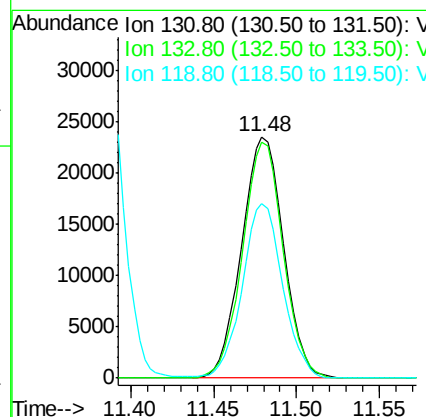
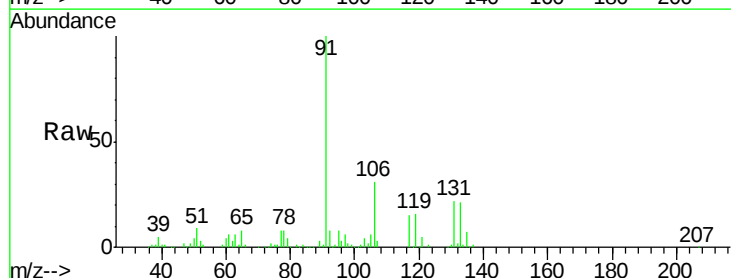
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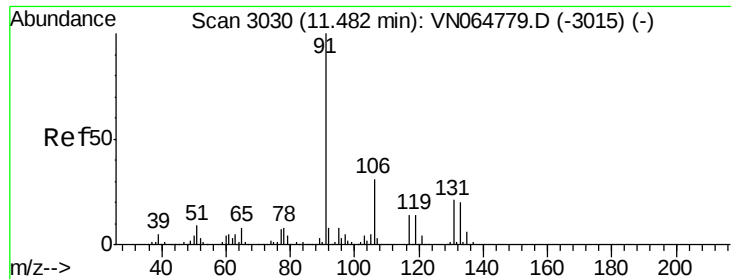
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.823 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion:131 Resp: 41431
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.5
119 69.8 33.3 99.8





#67

Ethyl Benzene

Concen: 18.586 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 91 Resp: 185962

Ion Ratio Lower Upper

91 100

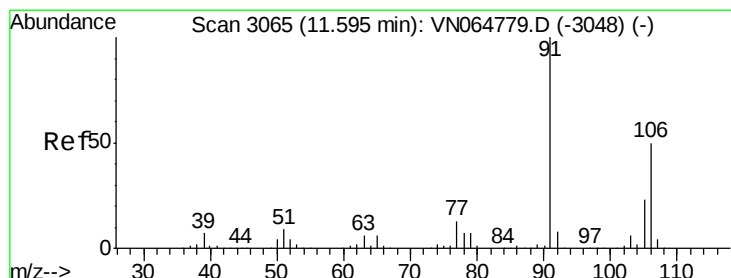
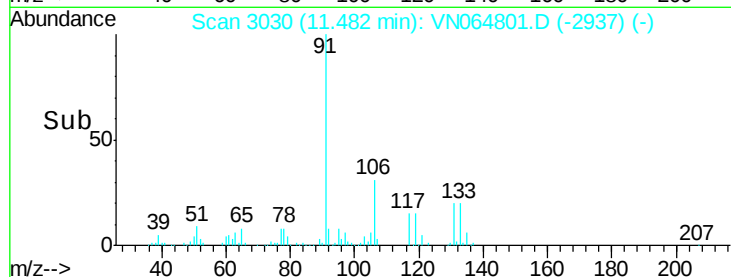
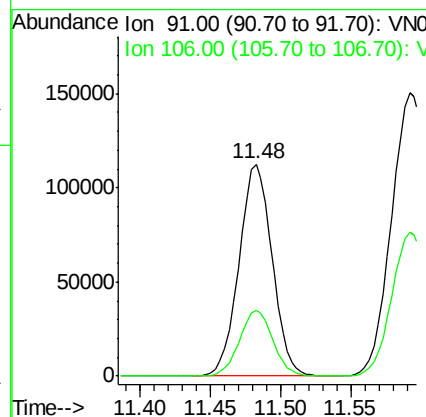
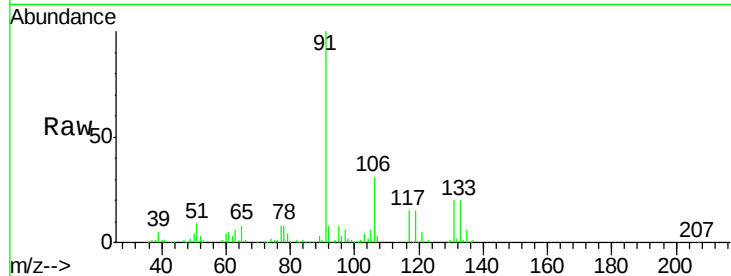
106 30.9 25.2 37.8

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#68

m/p-Xylenes

Concen: 38.674 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064801.D

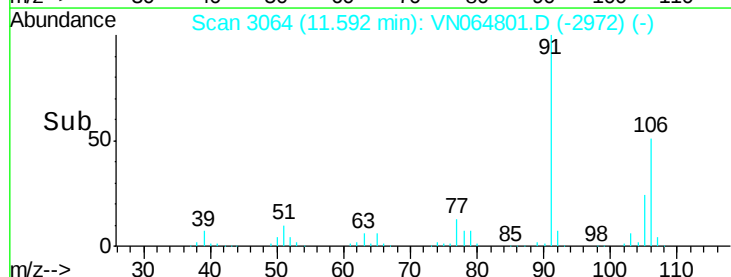
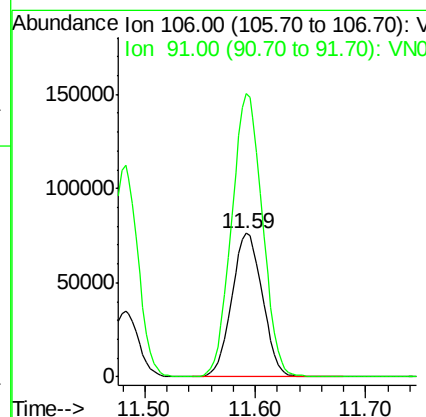
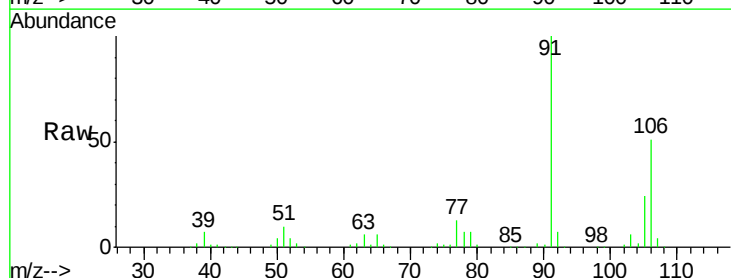
Acq: 24 Nov 2020 11:25

Tgt Ion: 106 Resp: 146503

Ion Ratio Lower Upper

106 100

91 199.3 161.0 241.4





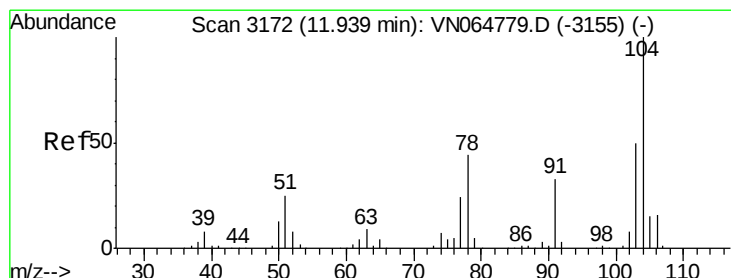
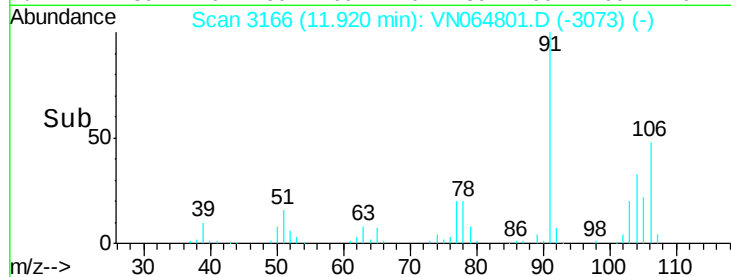
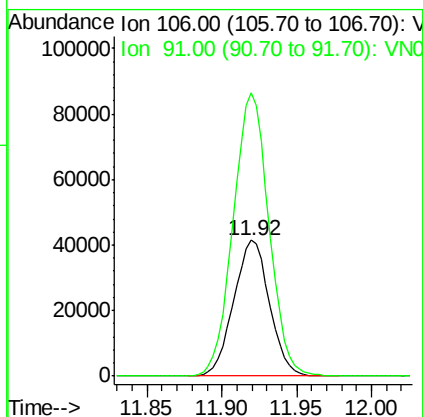
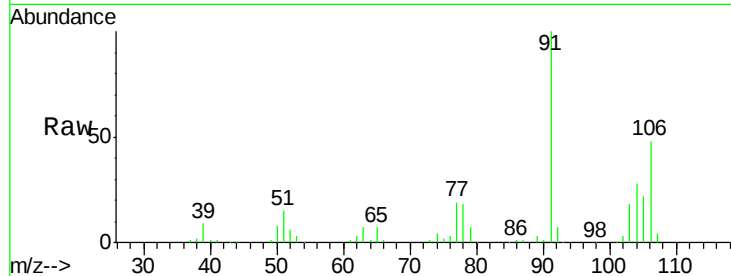
#69
o-Xylene
Concen: 19.217 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion:106 Resp: 69081
Ion Ratio Lower Upper
106 100
91 208.1 105.5 316.5

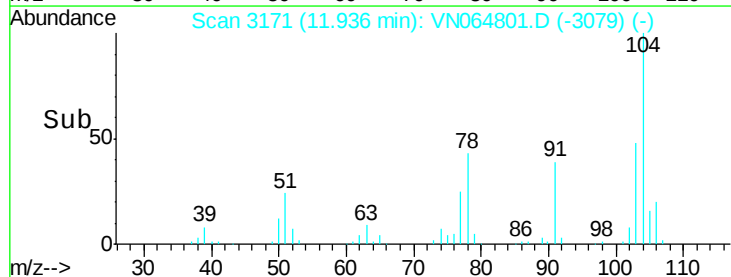
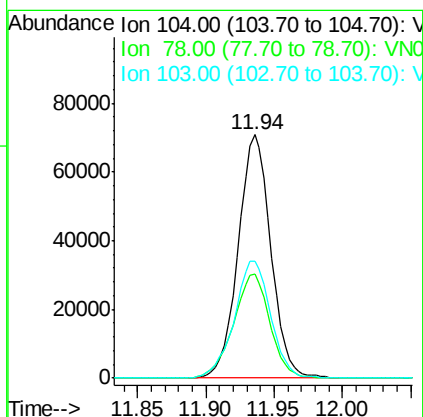
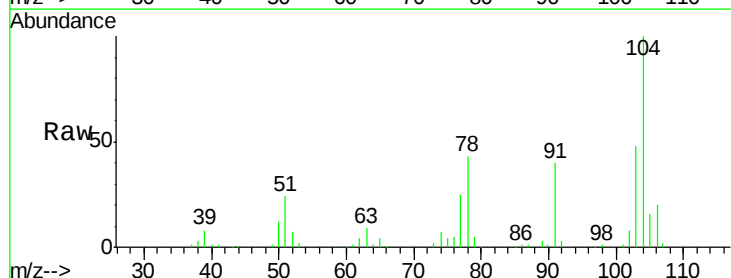
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#70
Styrene
Concen: 19.407 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion:104 Resp: 117772
Ion Ratio Lower Upper
104 100
78 47.7 39.0 58.6
103 53.5 44.3 66.5





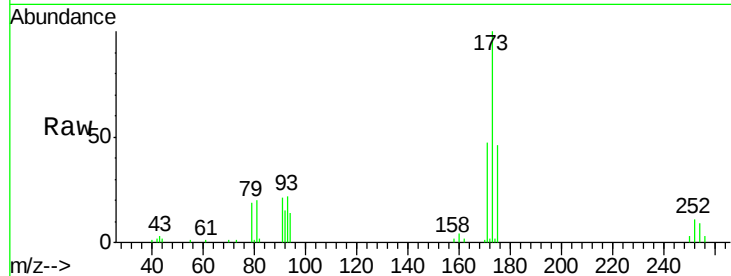
#71
Bromoform
Concen: 17.792 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

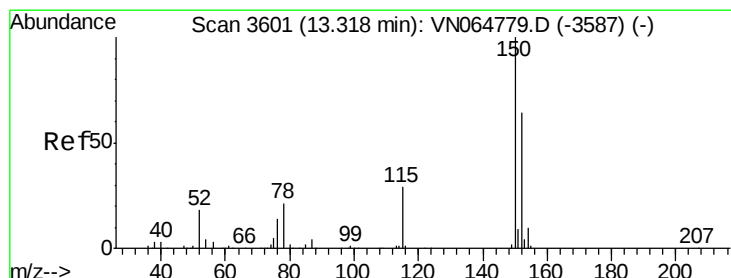
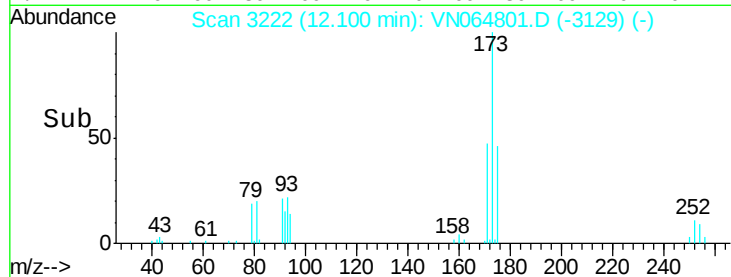
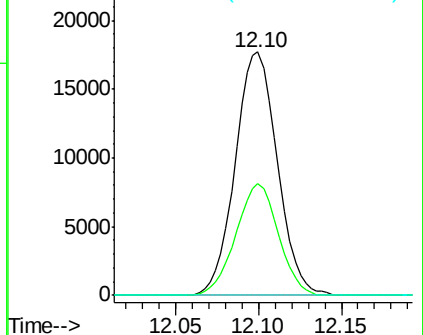
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.3	72.8
254	0.0	0.0	0.0

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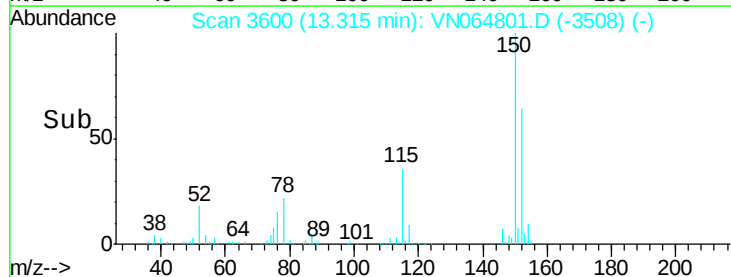
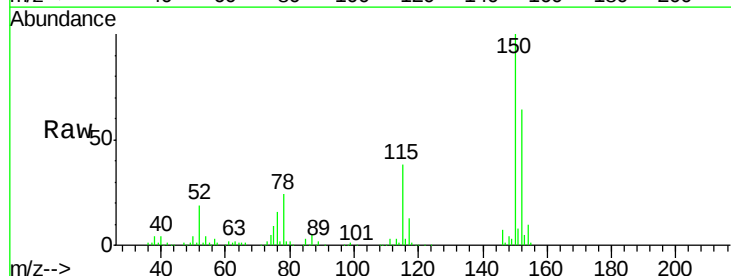
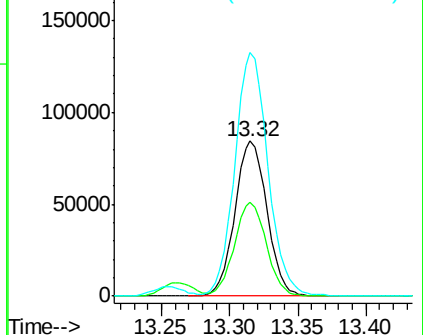
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

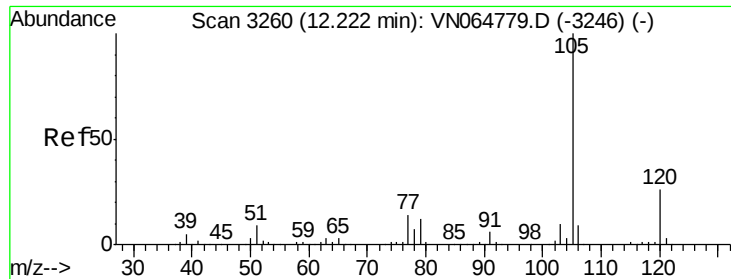


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.7	89.1
150	161.3	0.0	350.6

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.951 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 105 Resp: 182445

Ion Ratio Lower Upper

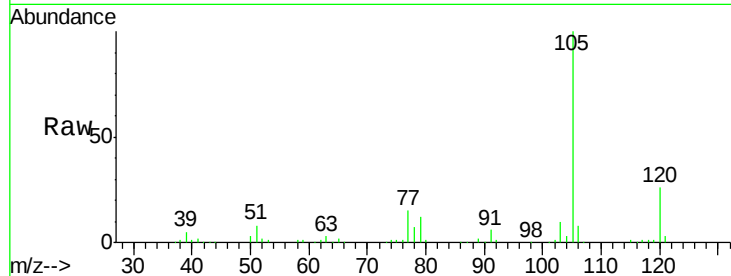
105 100

120 26.4 13.3 39.9

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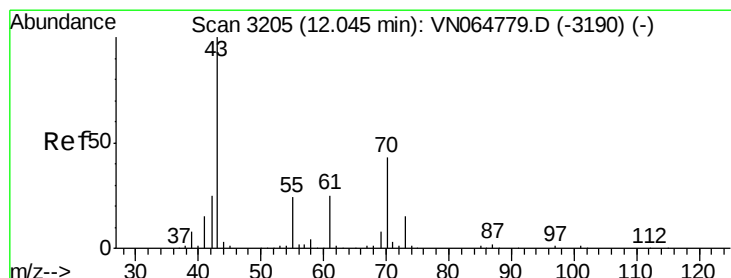
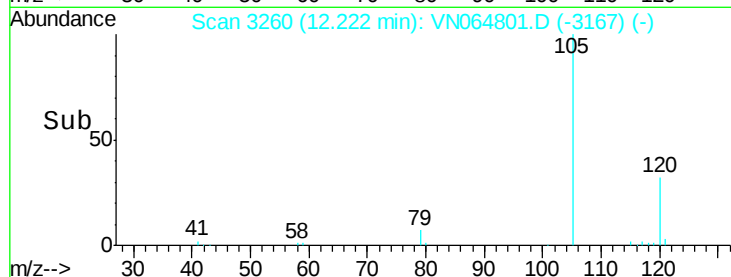
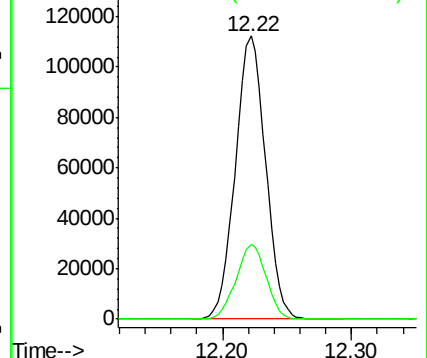
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.289 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion: 43 Resp: 61714

Ion Ratio Lower Upper

43 100

70 45.0 34.5 51.7

55 27.9 20.4 30.6

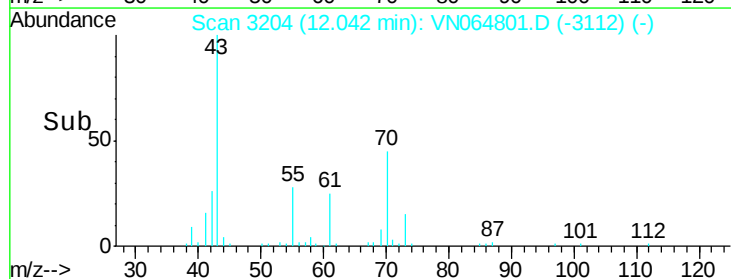
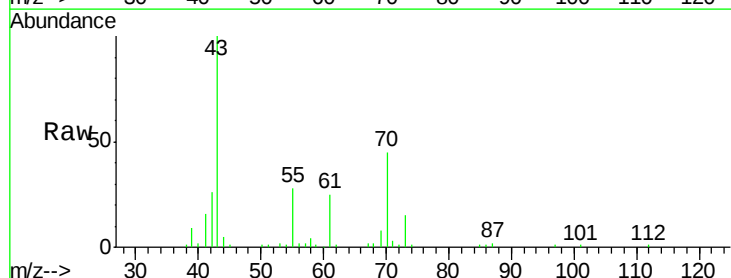
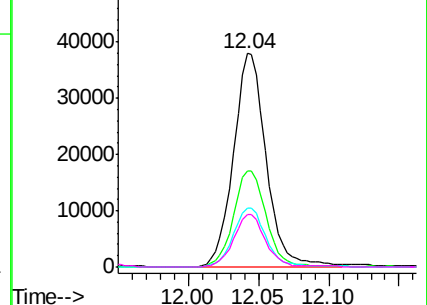
61 23.9 20.0 30.0

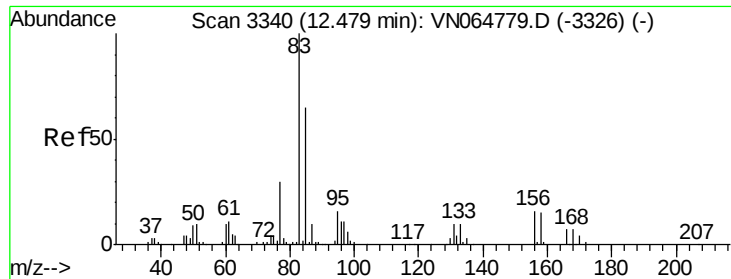
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.812 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

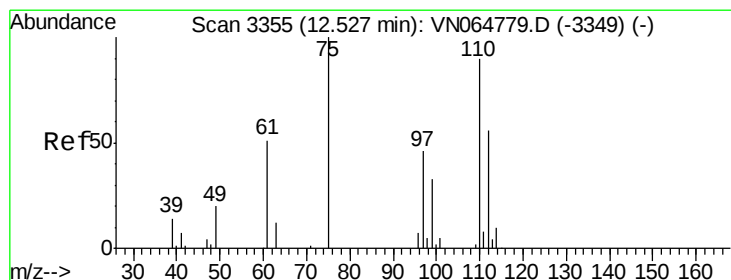
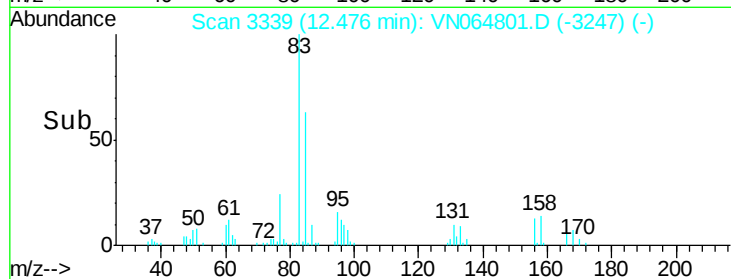
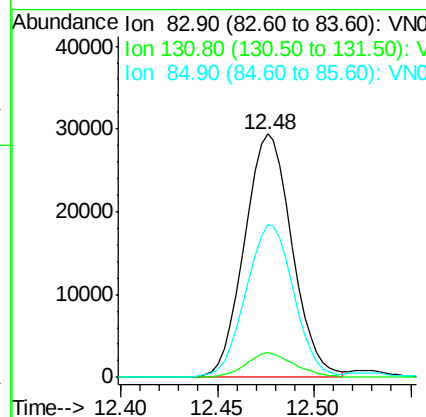
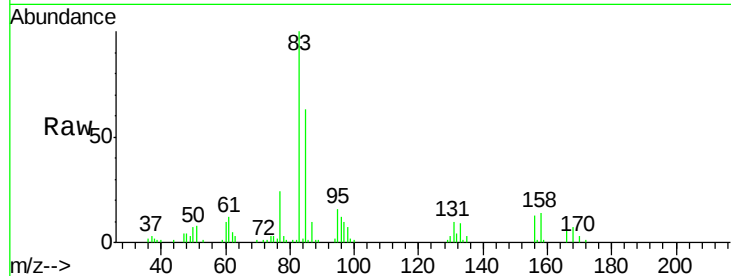
ClientSampleId :

VN1124WBS01

Tot Ion:	83	Resp:	50261
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	63.1	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 18.255 ug/l m

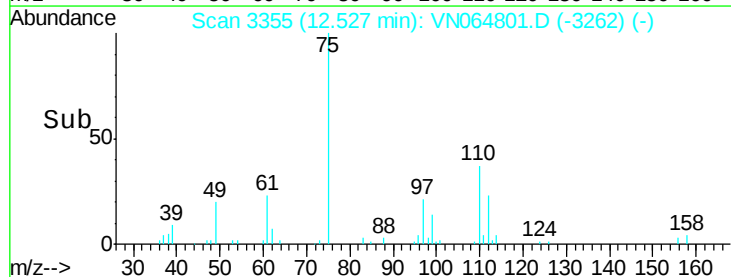
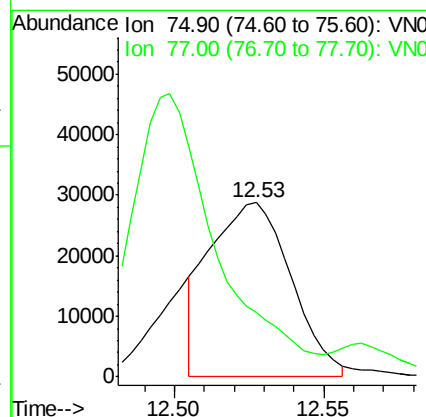
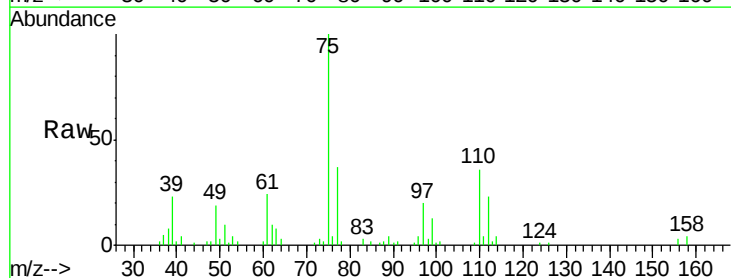
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion:	75	Resp:	54413
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.086 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

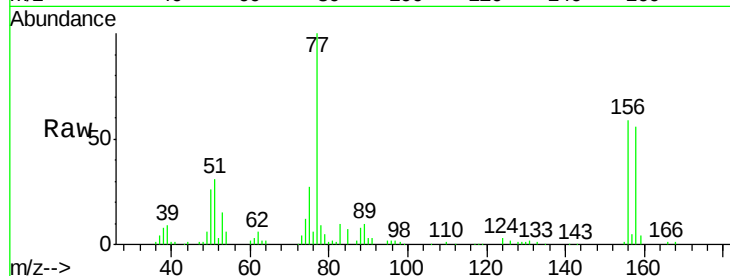
ClientSampleId :

VN1124WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	202.1	101.3	303.7
158	96.2	48.2	144.6

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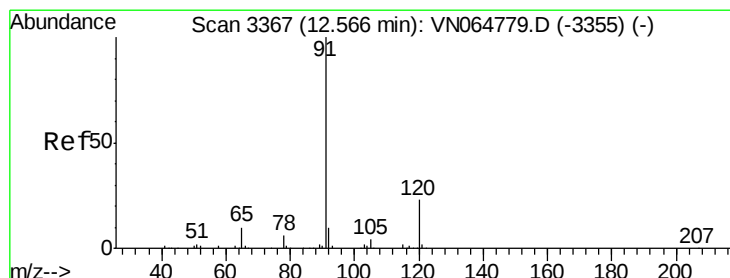
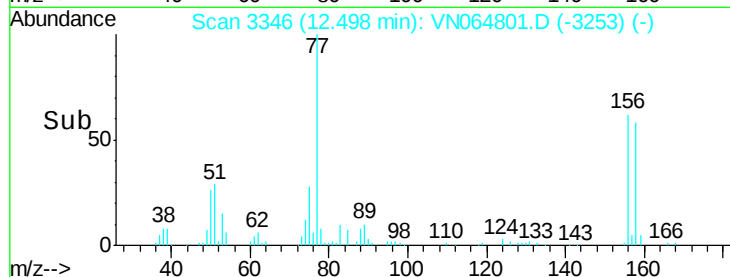
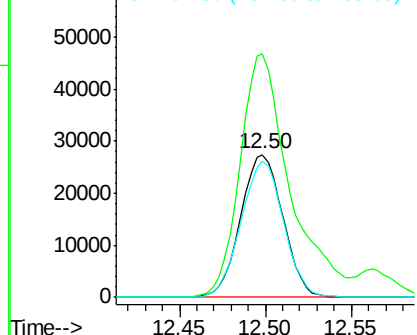
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.906 ug/l

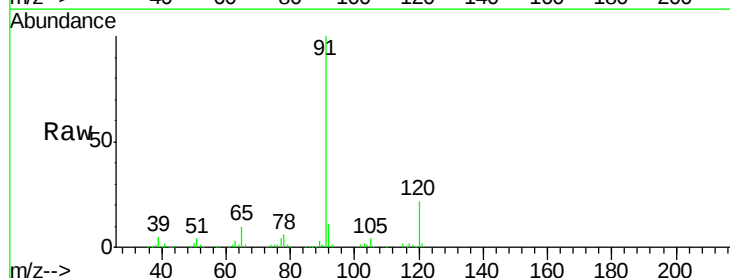
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064801.D

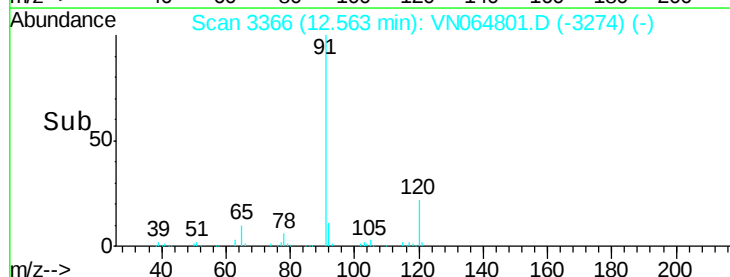
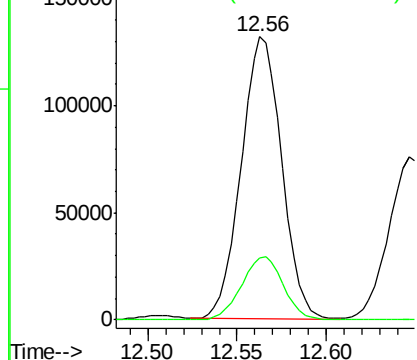
Acq: 24 Nov 2020 11:25

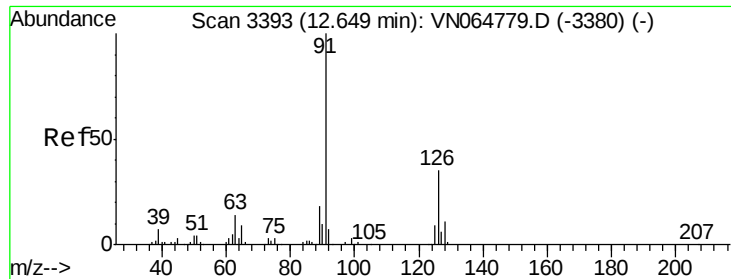
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.588 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion: 91 Resp: 126020

Ion Ratio Lower Upper

91 100

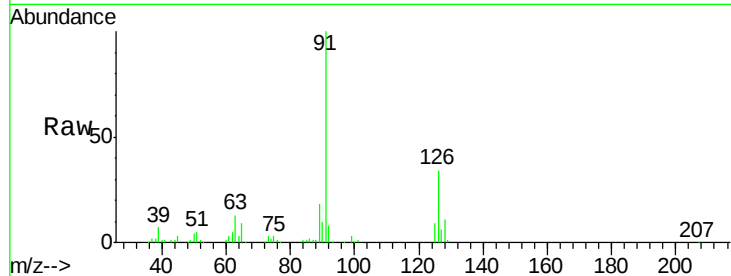
126 34.2 17.2 51.6

Manual Integrations

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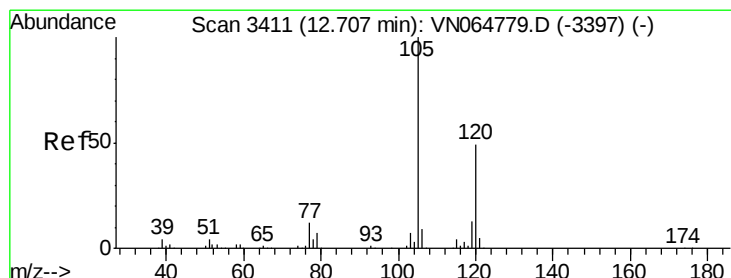
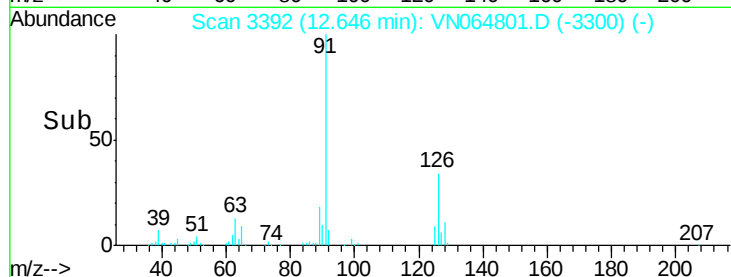
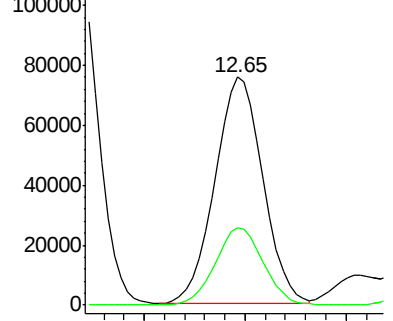
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Abundance Ion 91.00 (90.70 to 91.70): VN064801.D (-3300) (-)

Ion 125.90 (125.60 to 126.60): VN064801.D (-3300) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.533 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064801.D

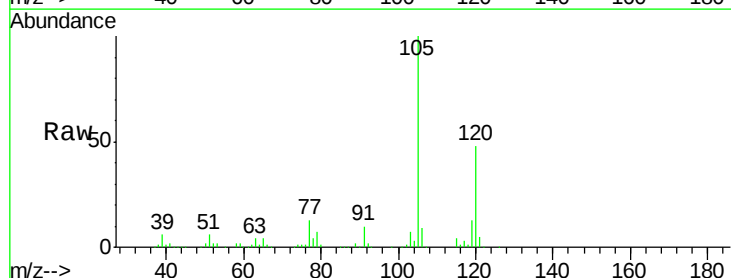
Acq: 24 Nov 2020 11:25

Tgt Ion: 105 Resp: 156311

Ion Ratio Lower Upper

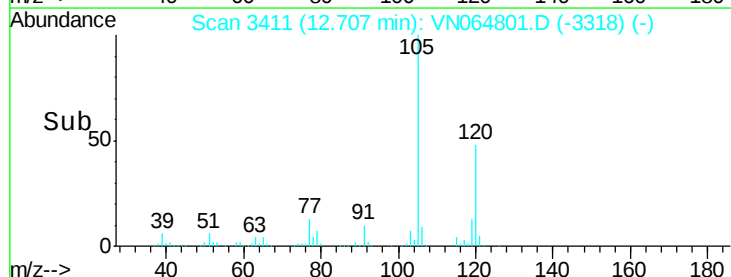
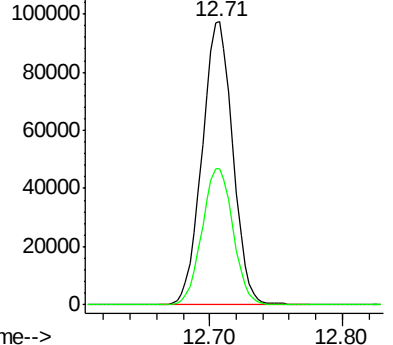
105 100

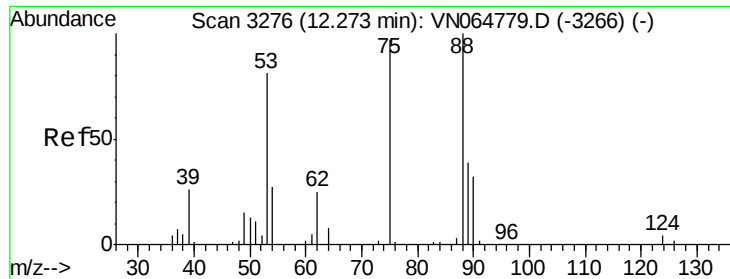
120 48.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064801.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064801.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.116 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

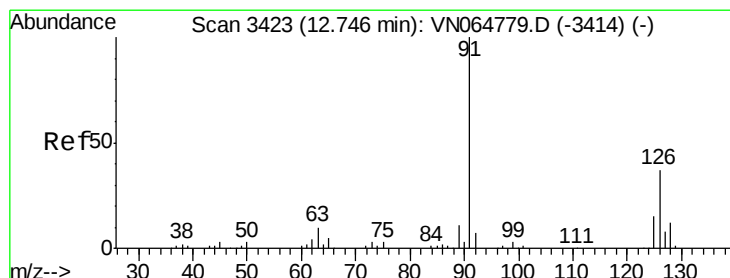
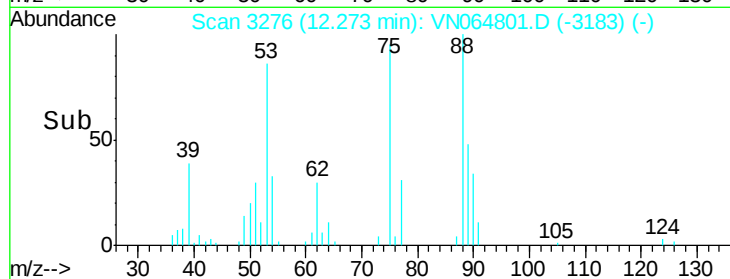
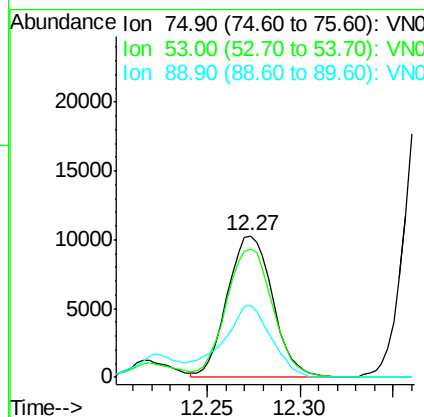
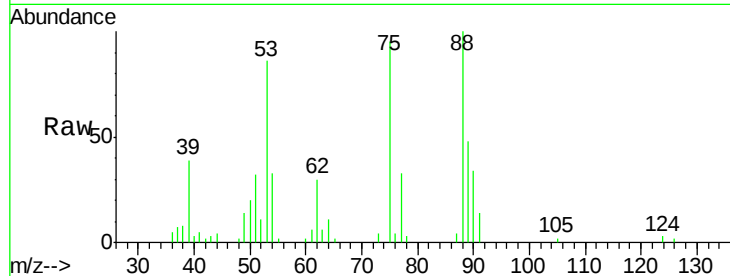
ClientSampleId :

VN1124WBS01

Tot Ion:	75	Resp:	17527
Ion Ratio	Lower	Upper	
75	100		
53	93.5	67.0	100.4
89	54.0	39.6	59.4

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#82

4-Chlorotoluene

Concen: 18.531 ug/l

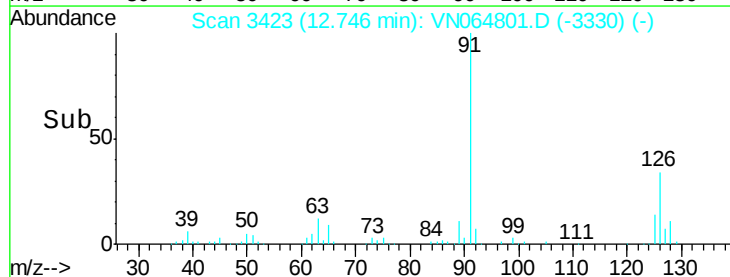
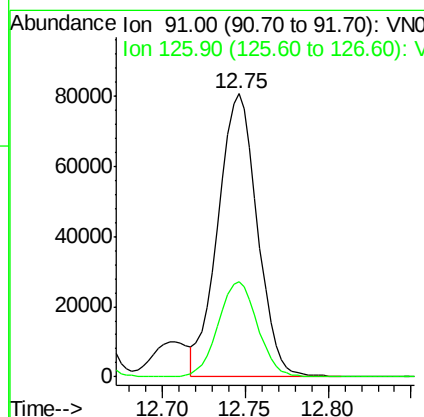
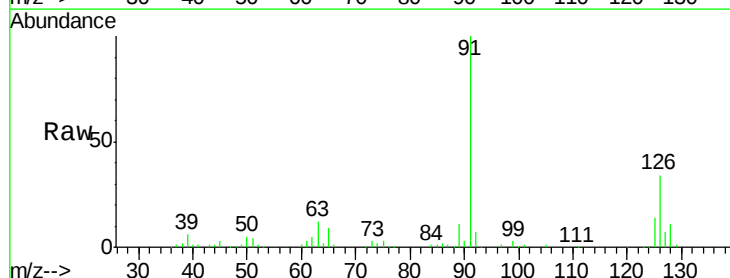
RT: 12.75 min Scan# 3423

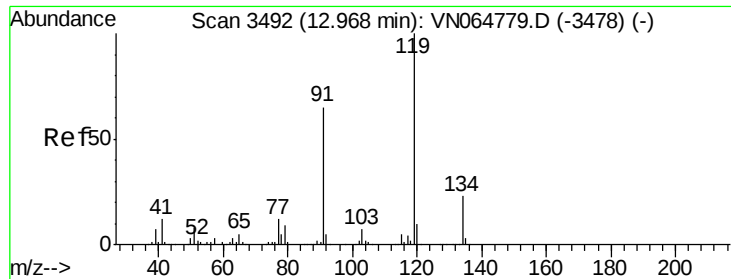
Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion:	91	Resp:	131682
Ion Ratio	Lower	Upper	
91	100		
126	34.2	16.9	50.7





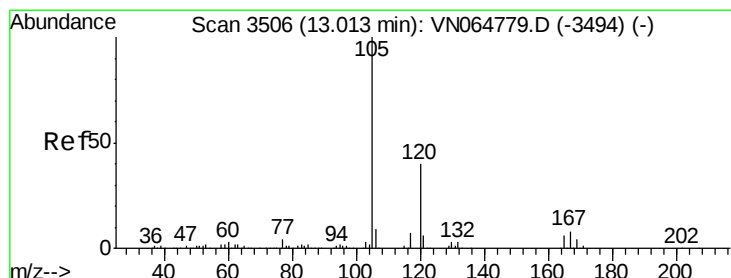
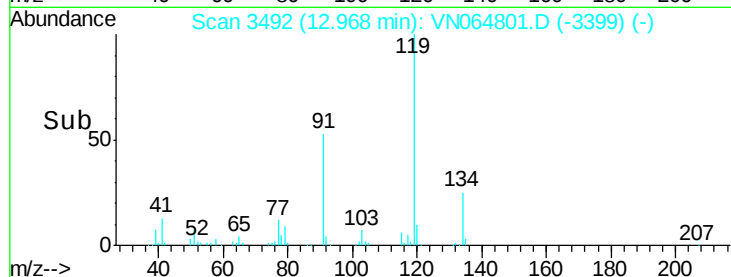
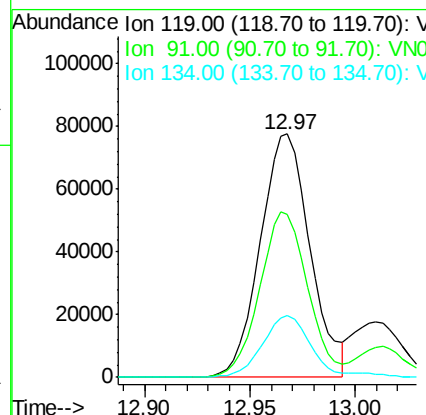
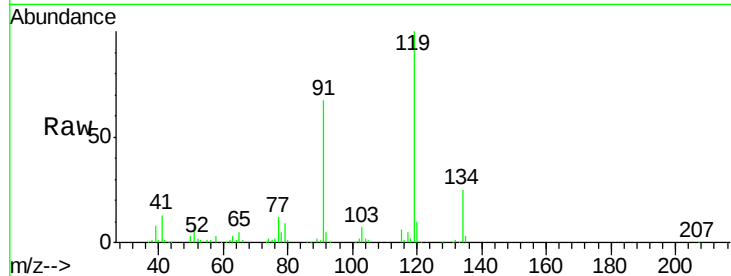
#83
tert-Butylbenzene
Concen: 19.019 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	127566		
91	65.6	32.3	96.8	
134	25.5	12.6	37.6	

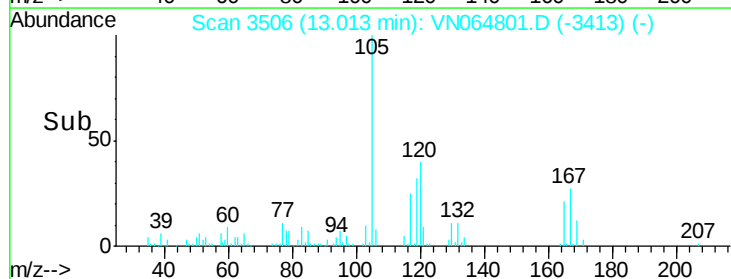
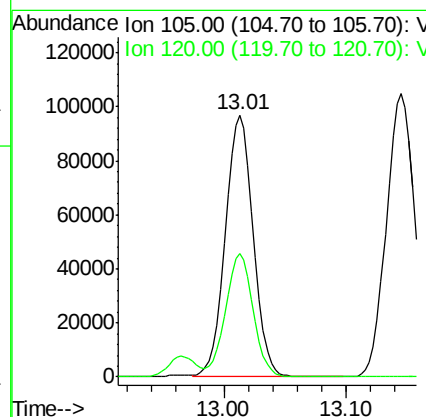
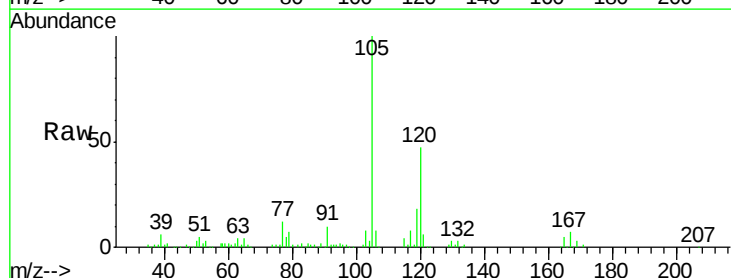
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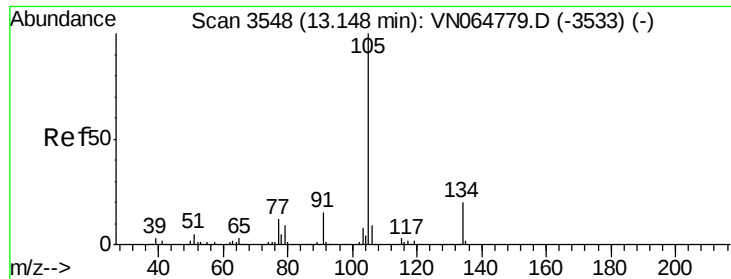
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#84
1,2,4-Trimethylbenzene
Concen: 19.247 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	155722		
120	46.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.148 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1124WBS01

Tot Ion:105 Resp: 170522

Ion Ratio Lower Upper

105 100

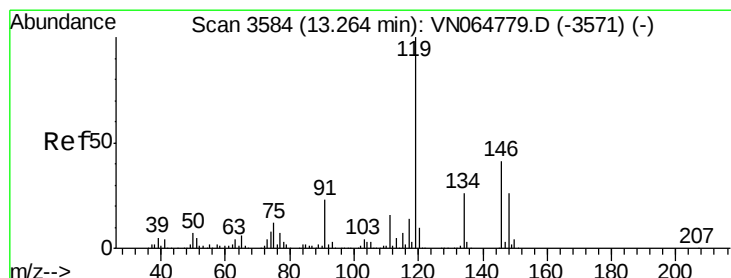
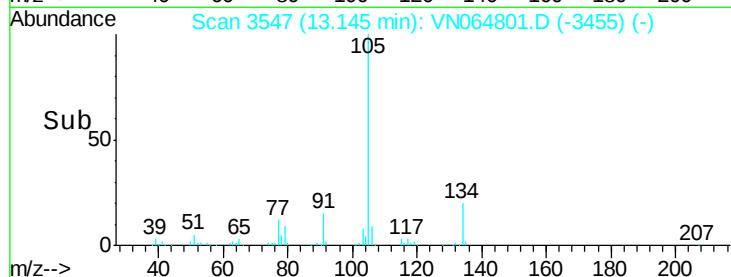
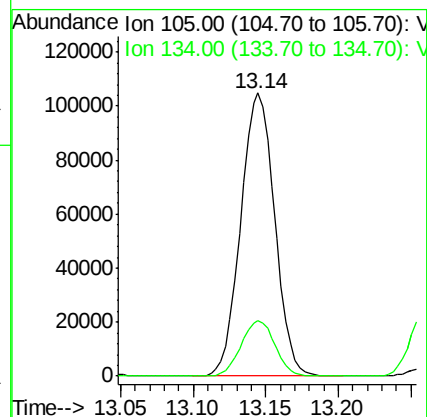
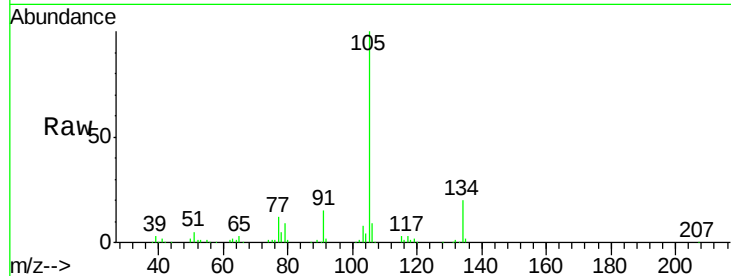
134 19.5 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.717 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

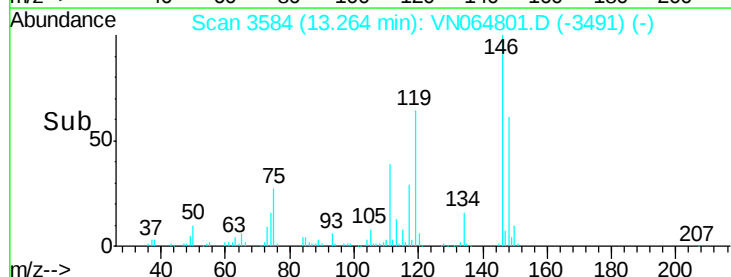
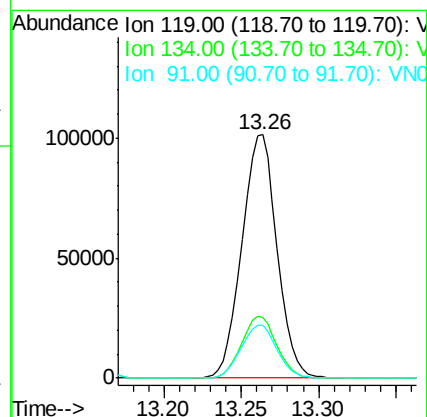
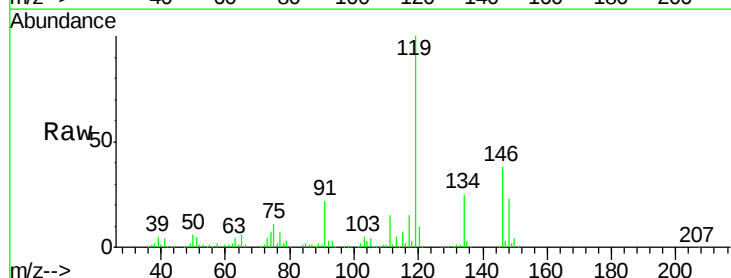
Tgt Ion:119 Resp: 159862

Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.1

91 22.3 11.5 34.5





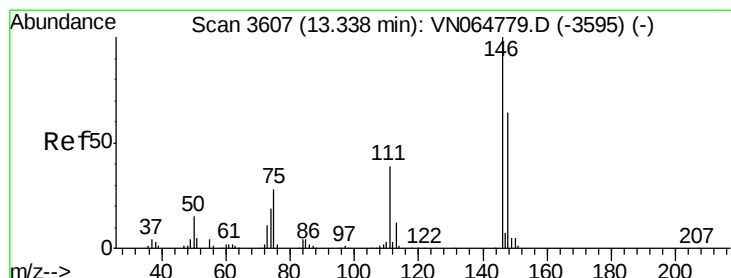
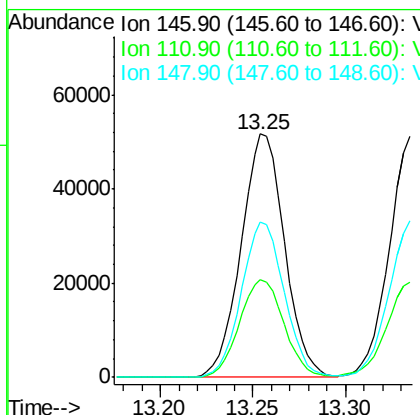
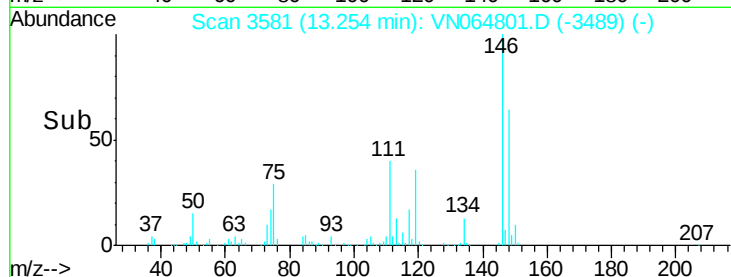
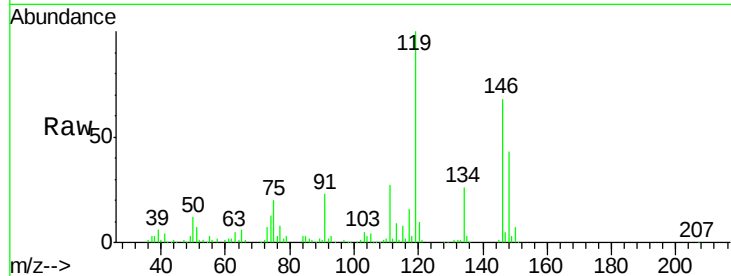
#87
 1,3-Dichlorobenzene
 Concen: 18.320 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.9
148	62.9	31.9	95.5

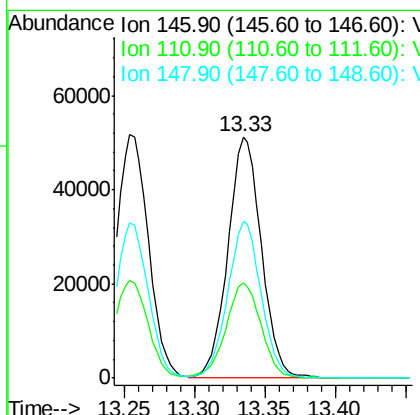
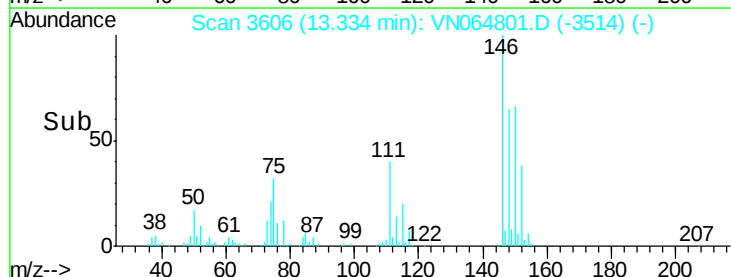
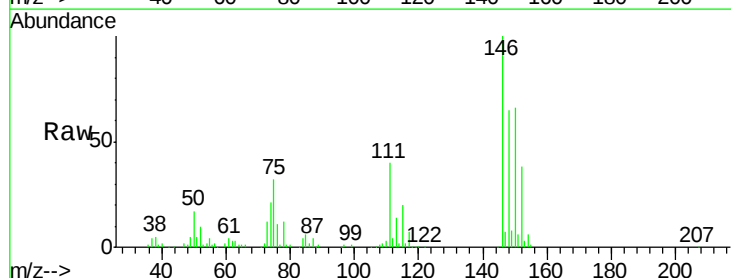
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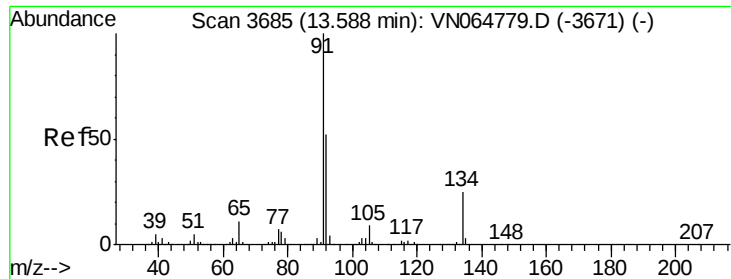
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#88
 1,4-Dichlorobenzene
 Concen: 17.441 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.8	59.3
148	63.7	31.9	95.5





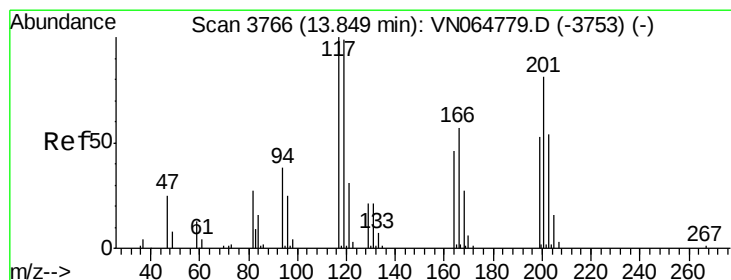
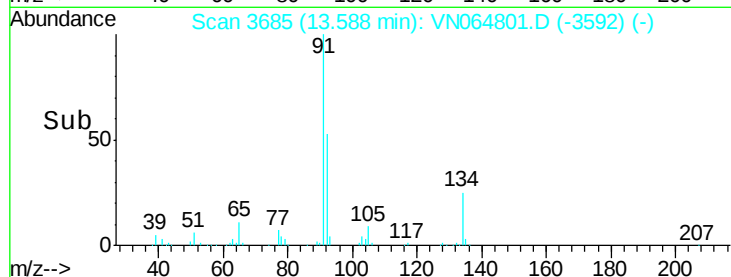
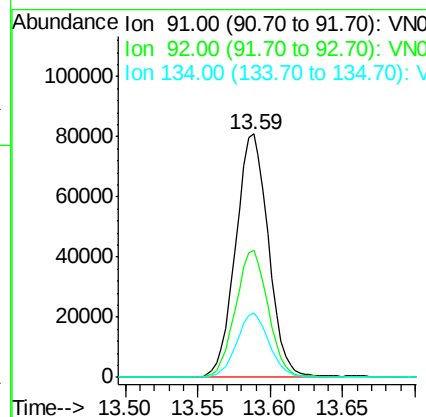
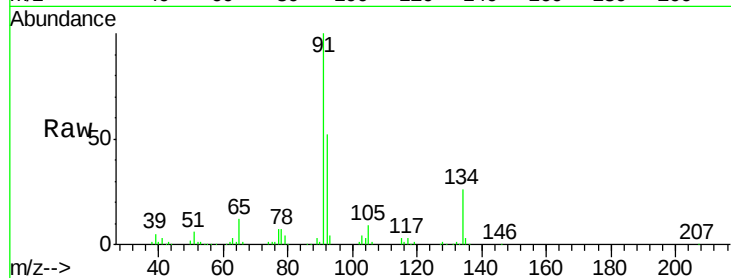
#89
n-Butylbenzene
Concen: 17.890 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1124WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	26.0	12.9	38.6

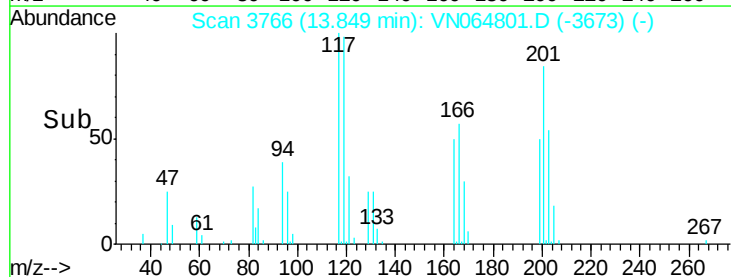
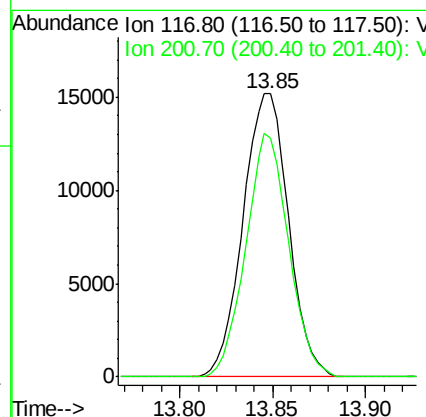
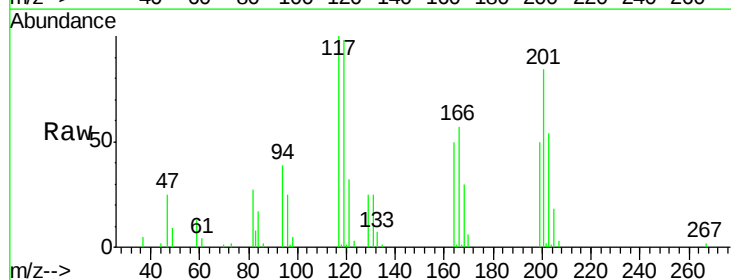
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#90
Hexachloroethane
Concen: 18.442 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064801.D
Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	40.1	120.3





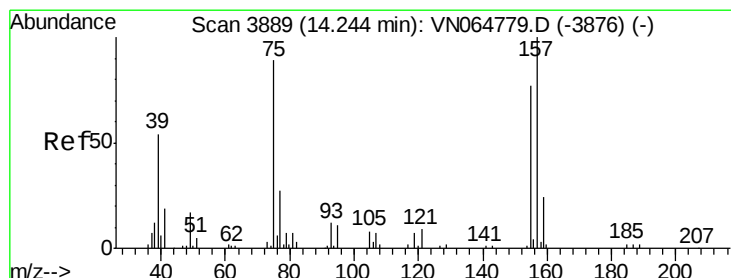
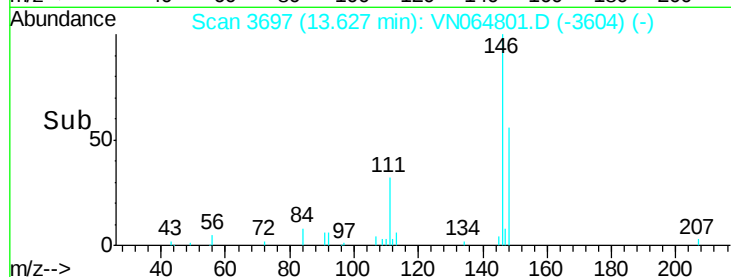
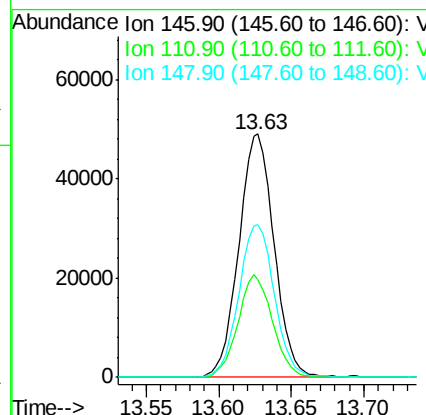
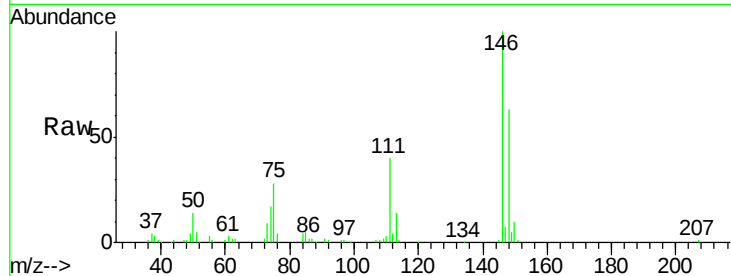
#91
 1,2-Dichlorobenzene
 Concen: 18.294 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.1
148	63.5	32.0	96.2

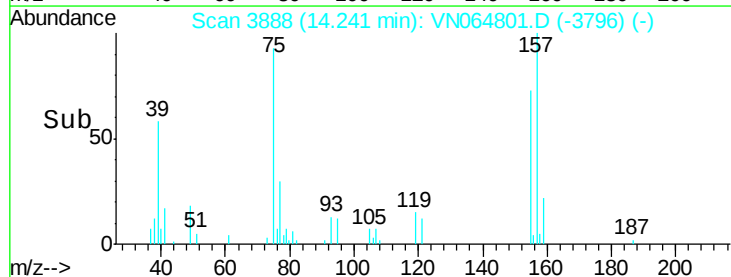
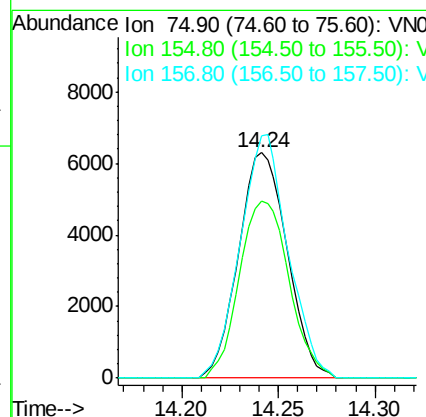
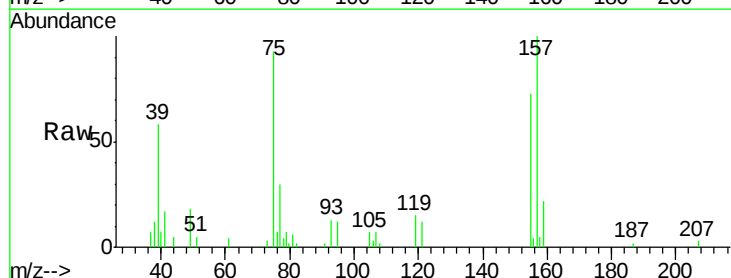
Manual Integrations
 APPROVED

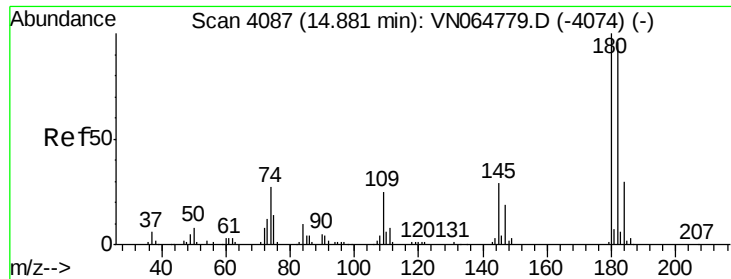
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 11/25/2020 3:57:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.394 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	42.8	128.3
157	106.0	56.4	169.1





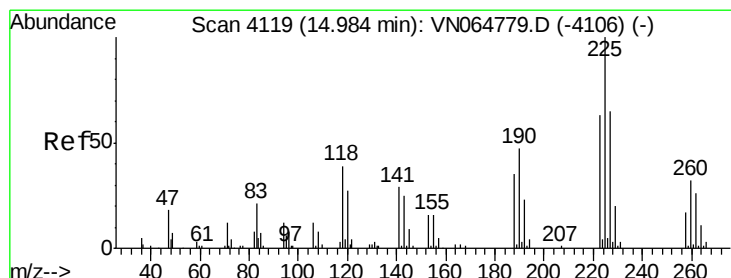
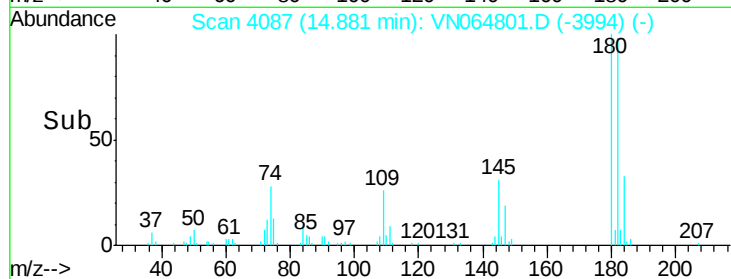
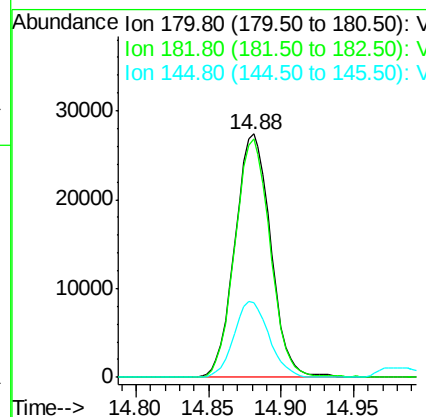
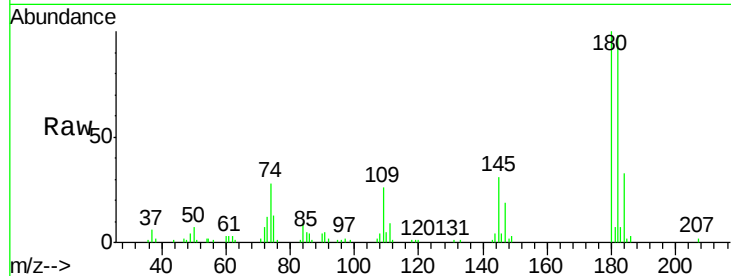
#93
 1,2,4-Trichlorobenzene
 Concen: 16.753 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.9
145	30.3	15.3	45.8

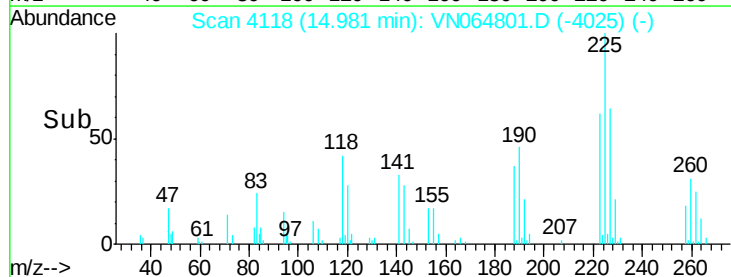
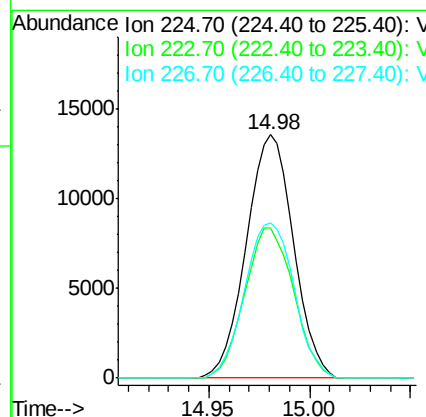
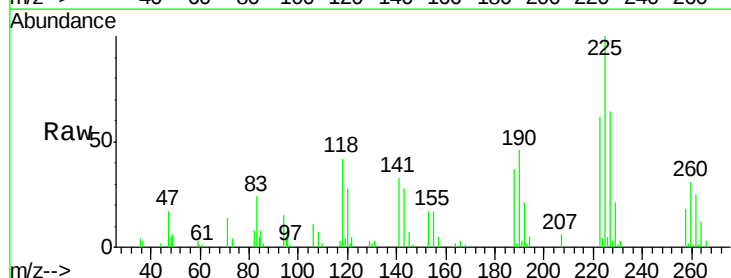
Manual Integrations
 APPROVED

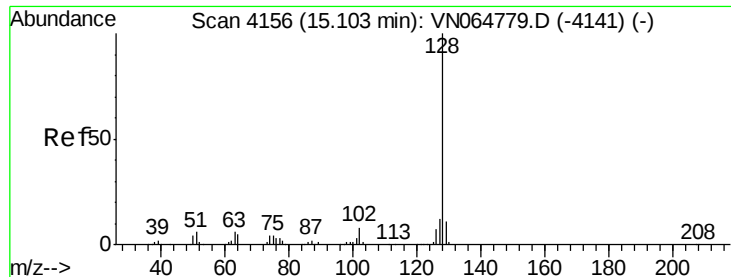
MMDadoda
 11/25/2020 3:57:03 PM



#94
 Hexachlorobutadiene
 Concen: 17.862 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064801.D
 Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.0	93.0
227	67.0	32.0	96.0





#95

Naphthalene

Concen: 15.673 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Instrument :

MSVOA_N

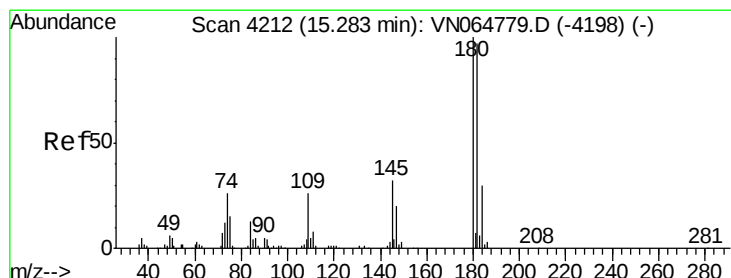
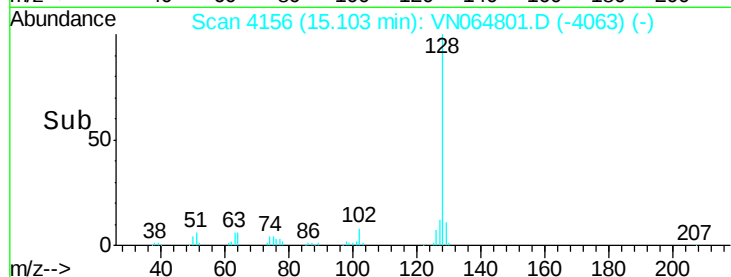
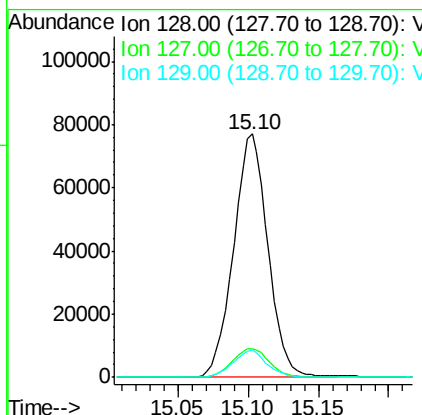
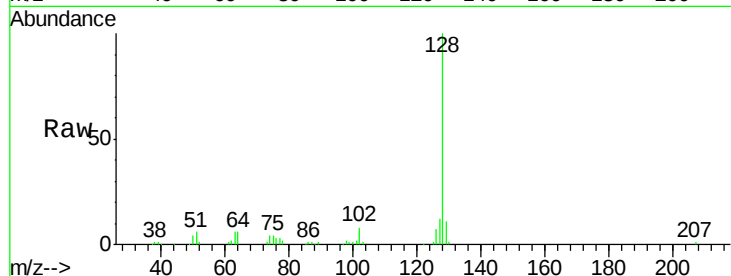
ClientSampleId :

VN1124WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/25/2020 3:57:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.877 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064801.D

Acq: 24 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.4
145	32.0	16.4	49.1

