

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064777.D
 Acq On : 23 Nov 2020 11:54
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:06 PM

Quant Time: Nov 23 13:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	181024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	290303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	124791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	11588	3.90	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	7.80%#
35) Dibromofluoromethane	7.55	113	9315	5.59	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	11.18%#
50) Toluene-d8	10.06	98	36273	4.89	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	9.78%#
62) 4-Bromofluorobenzene	12.38	95	12533	4.57	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	9.14%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	9513	4.442	ug/l	93
3) Chloromethane	2.04	50	12415	5.130	ug/l	93
4) Vinyl Chloride	2.16	62	12834	5.103	ug/l	95
5) Bromomethane	2.53	94	8805	4.880	ug/l	92
6) Chloroethane	2.67	64	7910	4.722	ug/l	95
7) Trichlorofluoromethane	2.99	101	17027	3.895	ug/l	96
8) Diethyl Ether	3.37	74	6787	4.696	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	10586	5.376	ug/l	97
10) Methyl Iodide	3.90	142	11495	4.844	ug/l	100
11) Tert butyl alcohol	4.75	59	8460	27.149	ug/l #	83
12) 1,1-Dichloroethene	3.69	96	9643	5.059	ug/l	96
13) Acrolein	3.56	56	5463	57.483	ug/l #	55
14) Allyl chloride	4.27	41	16143	4.979	ug/l	99
15) Acrylonitrile	4.93	53	23759	26.278	ug/l	99
16) Acetone	3.78	43	17787	22.932	ug/l	98
17) Carbon Disulfide	4.00	76	29085	4.964	ug/l	99
18) Methyl Acetate	4.28	43	11114	4.690	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	29520	4.677	ug/l	96
20) Methylene Chloride	4.50	84	12371	5.368	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	11081	5.227	ug/l	92
22) Diisopropyl ether	5.91	45	31002	4.556	ug/l #	94
23) Vinyl Acetate	5.84	43	122965	22.449	ug/l	100
24) 1,1-Dichloroethane	5.79	63	19605	4.892	ug/l	99
25) 2-Butanone	6.79	43	28727	23.923	ug/l	96
26) 2,2-Dichloropropane	6.78	77	17051	4.554	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	12370	5.281	ug/l	94
28) Bromochloromethane	7.14	49	8910	4.440	ug/l #	99
29) Tetrahydrofuran	7.17	42	20123	24.879	ug/l	97
30) Chloroform	7.33	83	20503	4.758	ug/l	97
31) Cyclohexane	7.62	56	18394	5.521	ug/l #	84
32) 1,1,1-Trichloroethane	7.52	97	17558	4.479	ug/l	99
36) 1,1-Dichloropropene	7.75	75	14673	5.009	ug/l	97
37) Ethyl Acetate	6.88	43	13494	5.428	ug/l #	97
38) Carbon Tetrachloride	7.73	117	15380	4.982	ug/l	96

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 ALS Vial : 4 Sample Multiplier: 1

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	15456	5.764	ug/l	98
40) Benzene	8.00	78	44858	5.437	ug/l	96
41) Methacrylonitrile	7.13	41	5165	4.582	ug/l #	92
42) 1,2-Dichloroethane	8.08	62	15689	4.581	ug/l	99
43) Isopropyl Acetate	8.13	43	21748	4.583	ug/l	97
44) Trichloroethene	8.80	130	13344	5.573	ug/l	96
45) 1,2-Dichloropropane	9.08	63	11145	5.088	ug/l	94
46) Dibromomethane	9.17	93	7627	4.968	ug/l	97
47) Bromodichloromethane	9.37	83	15416	4.798	ug/l	93
48) Methyl methacrylate	9.17	41	10273	4.604	ug/l	97
49) 1,4-Dioxane	9.16	88	3840	127.293	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	63636	24.635	ug/l	99
52) Toluene	10.12	92	26991	5.330	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	16618	4.824	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	18011	5.011	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	11361	5.595	ug/l	93
56) Ethyl methacrylate	10.40	69	14139	4.989	ug/l	96
57) 1,3-Dichloropropane	10.68	76	18080	5.144	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	37651	24.099	ug/l	99
59) 2-Hexanone	10.72	43	43798	23.481	ug/l	96
60) Dibromochloromethane	10.87	129	11921	5.062	ug/l	99
61) 1,2-Dibromoethane	10.98	107	11278	5.197	ug/l	97
64) Tetrachloroethene	10.60	164	14944	6.489	ug/l	97
65) Chlorobenzene	11.41	112	30152	5.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	10934	5.359	ug/l	97
67) Ethyl Benzene	11.49	91	48694	5.109	ug/l	100
68) m/p-Xylenes	11.59	106	36122	10.486	ug/l	98
69) o-Xylene	11.92	106	17069	5.104	ug/l	98
70) Styrene	11.94	104	28010	4.947	ug/l	98
71) Bromoform	12.10	173	8585	5.994	ug/l #	94
73) Isopropylbenzene	12.22	105	44273	5.021	ug/l	100
74) N-amyl acetate	12.05	43	17031	4.244	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	14245	5.751	ug/l	92
76) 1,2,3-Trichloropropane	12.53	75	13836m	5.168	ug/l	
77) Bromobenzene	12.50	156	12458	5.557	ug/l	97
78) n-propylbenzene	12.57	91	50562	4.941	ug/l	99
79) 2-Chlorotoluene	12.65	91	32490	4.990	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	37056	5.065	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	4434	4.578	ug/l #	64
82) 4-Chlorotoluene	12.75	91	33527	4.851	ug/l	99
83) tert-Butylbenzene	12.97	119	30521	5.341	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	36922	4.956	ug/l	99
85) sec-Butylbenzene	13.15	105	40580	5.316	ug/l	99
86) p-Isopropyltoluene	13.26	119	36023	5.121	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	22516	5.538	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	23326	5.575	ug/l	97
89) n-Butylbenzene	13.59	91	31519	4.858	ug/l	99
90) Hexachloroethane	13.85	117	6279	5.354	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	21764	5.457	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2980	4.672	ug/l	98

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

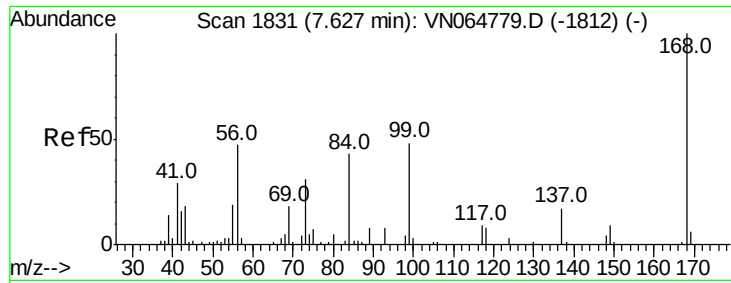
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	11860	5.316	ug/l	96
94) Hexachlorobutadiene	14.98	225	6595	5.842	ug/l	96
95) Naphthalene	15.10	128	32624	4.619	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	11446	5.335	ug/l	97

(#) = 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: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 181024

Ion Ratio Lower Upper

168 100

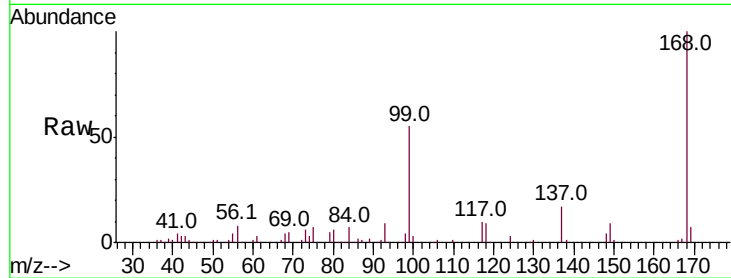
99 55.5 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

40000

20000

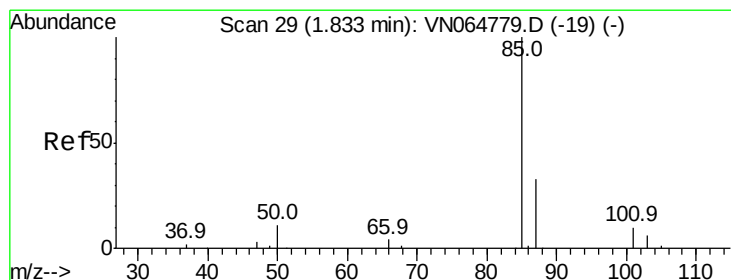
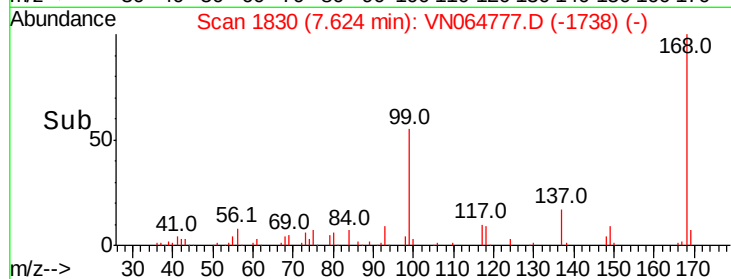
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.442 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064777.D

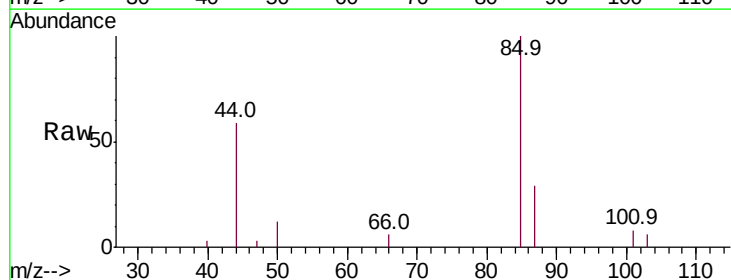
Acq: 23 Nov 2020 11:54

Tgt Ion: 85 Resp: 9513

Ion Ratio Lower Upper

85 100

87 28.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

8000

6000

4000

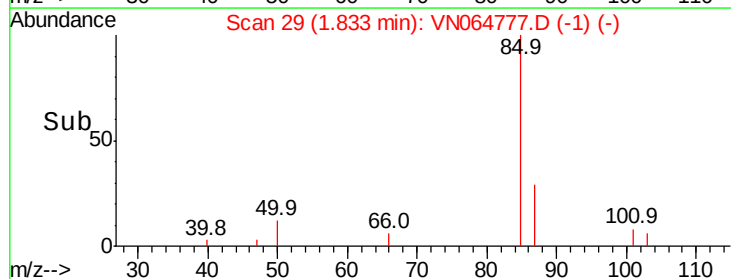
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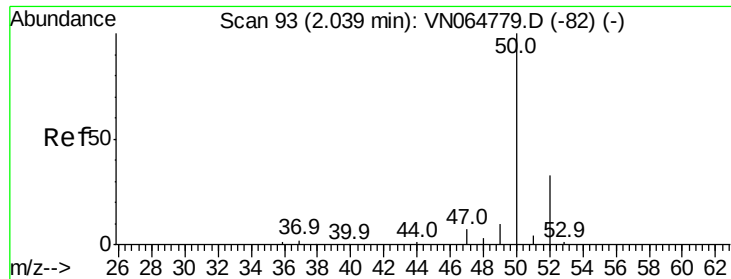
0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 5.130 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12415

Ion Ratio Lower Upper

50 100

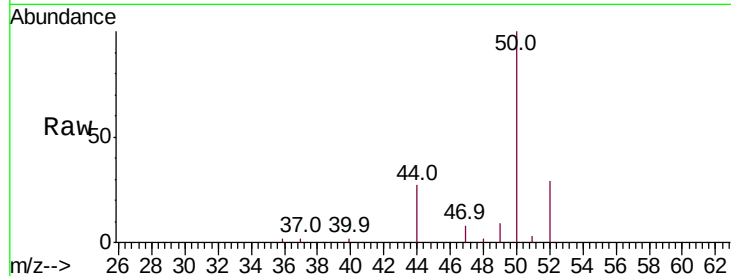
52 29.0 26.6 39.8

Manual Integrations

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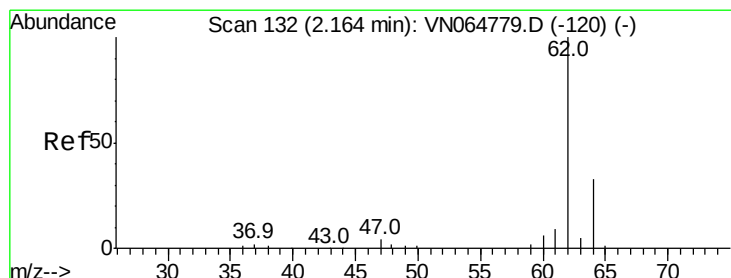
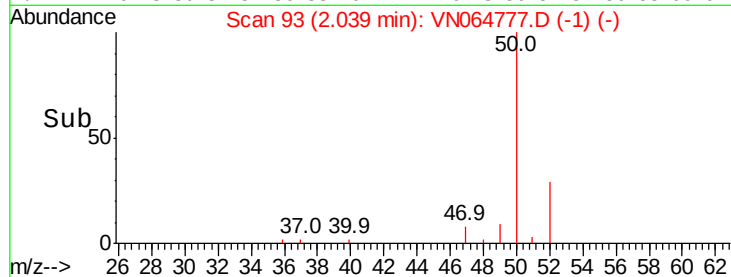
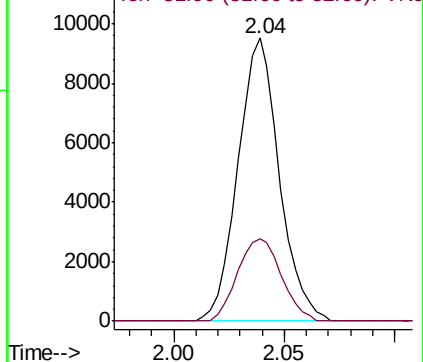
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.103 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064777.D

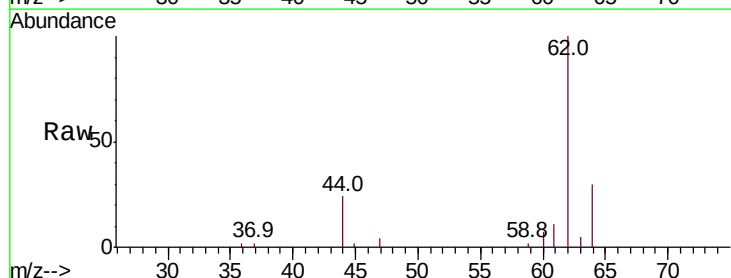
Acq: 23 Nov 2020 11:54

Tgt Ion: 62 Resp: 12834

Ion Ratio Lower Upper

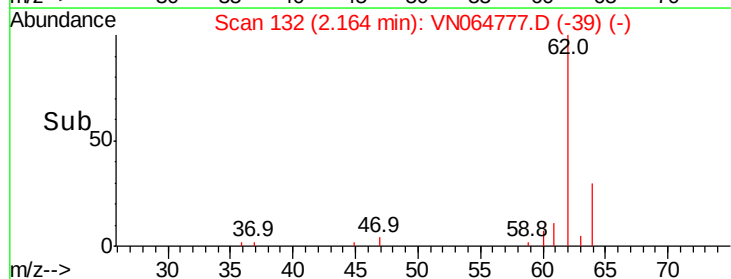
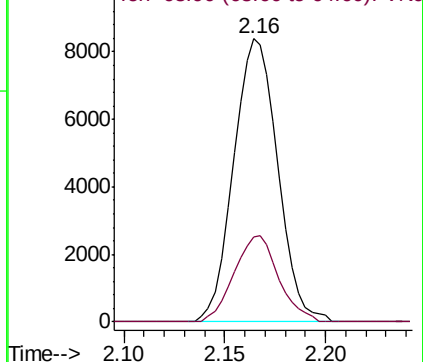
62 100

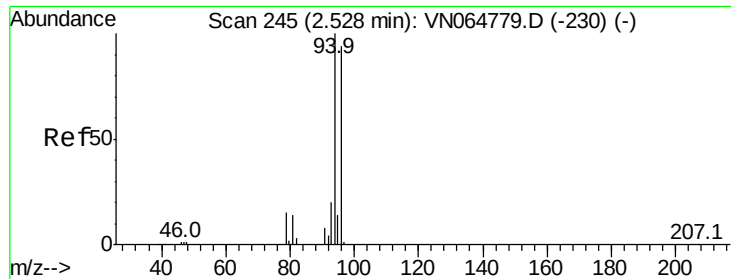
64 30.1 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





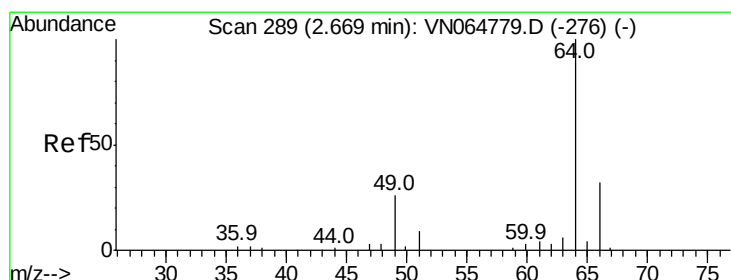
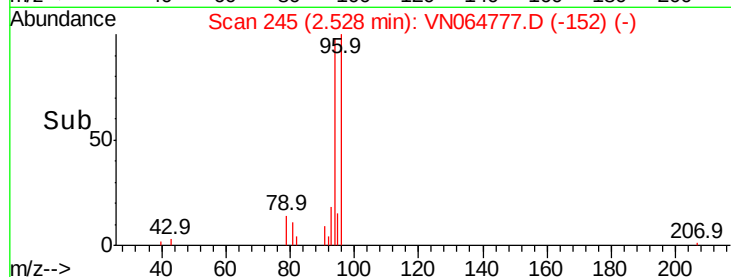
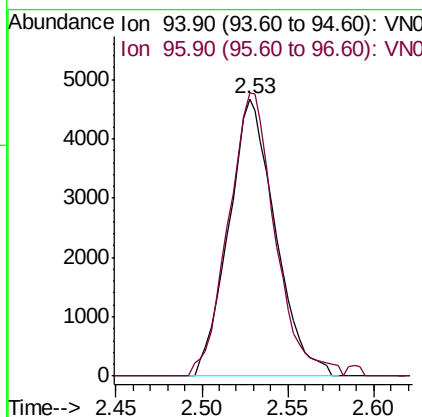
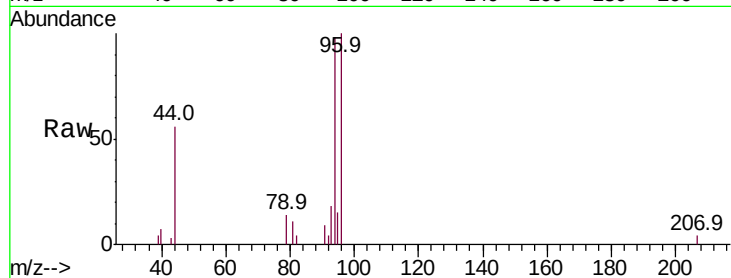
#5
Bromomethane
Concen: 4.880 ug/l
RT: 2.53 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 94 Resp: 8805
Ion Ratio Lower Upper
94 100
96 102.0 75.4 113.0

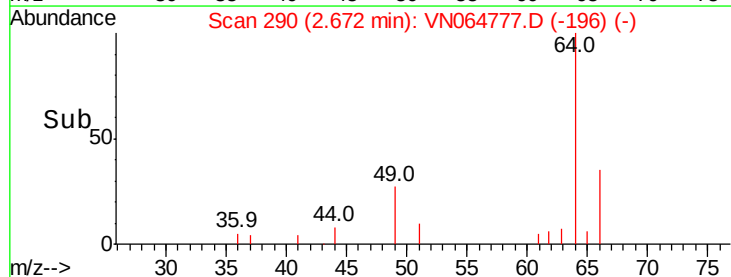
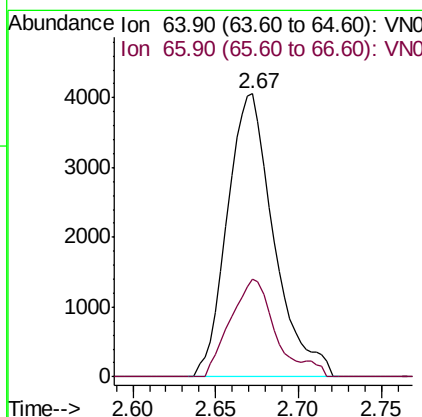
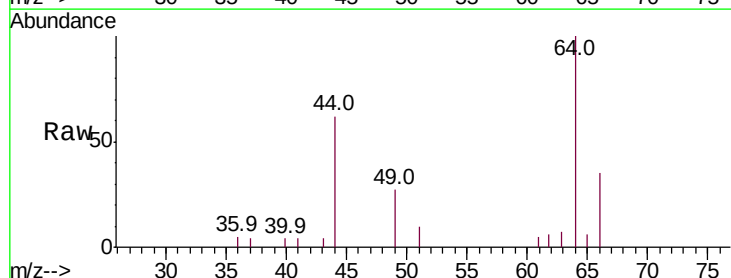
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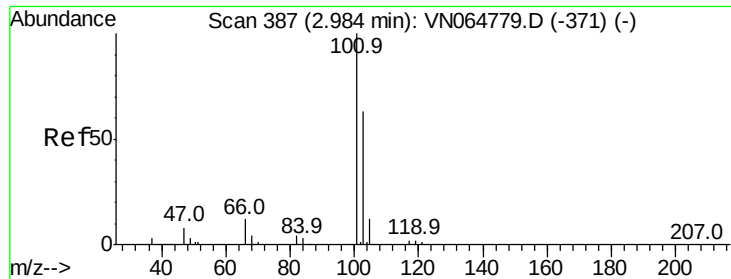
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#6
Chloroethane
Concen: 4.722 ug/l
RT: 2.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 64 Resp: 7910
Ion Ratio Lower Upper
64 100
66 34.7 25.6 38.4





#7

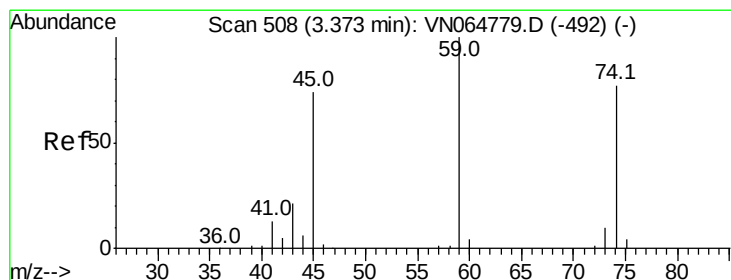
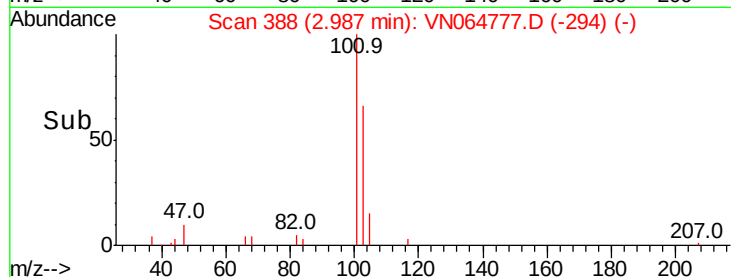
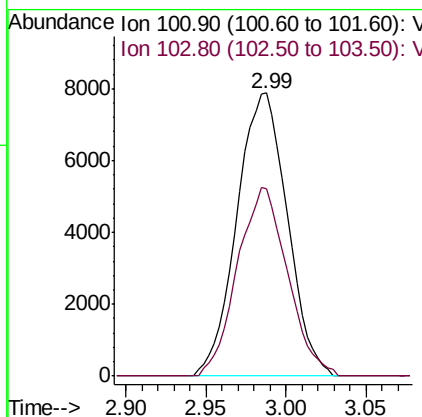
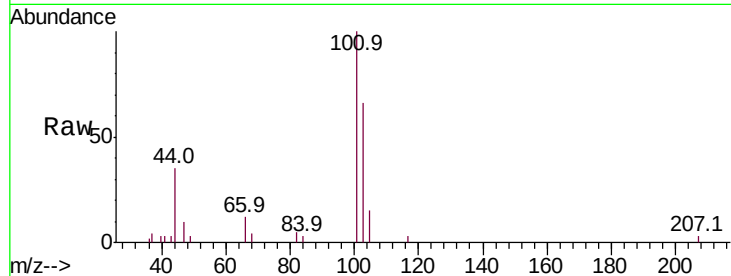
Trichlorofluoromethane
Concen: 3.895 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.5	75.7

Manual Integrations
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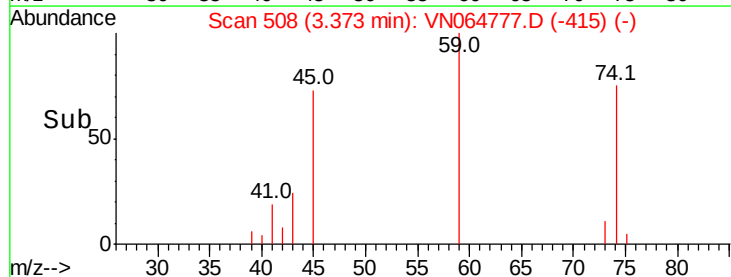
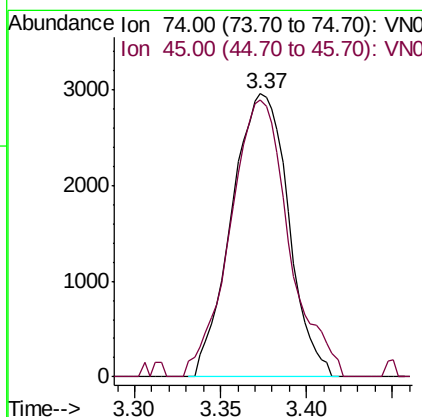
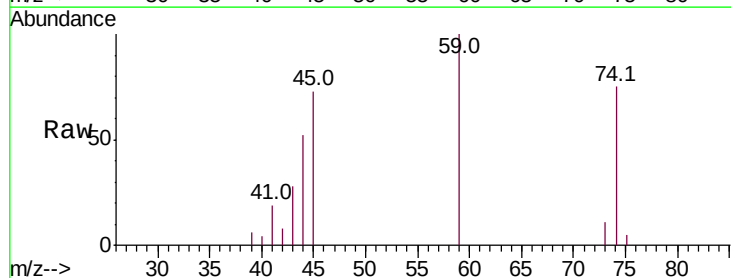
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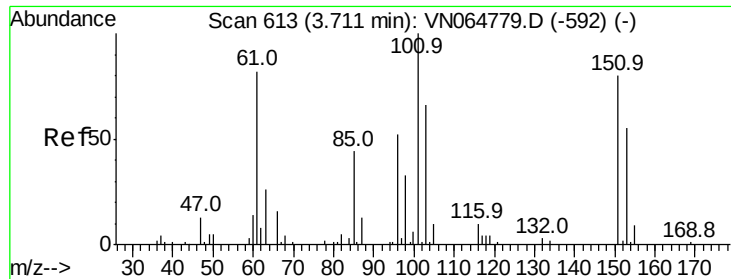


#8

Diethyl Ether
Concen: 4.696 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.376 ug/l

RT: 3.71 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 10586

Ion Ratio Lower Upper

101 100

85 43.4 34.4 51.6

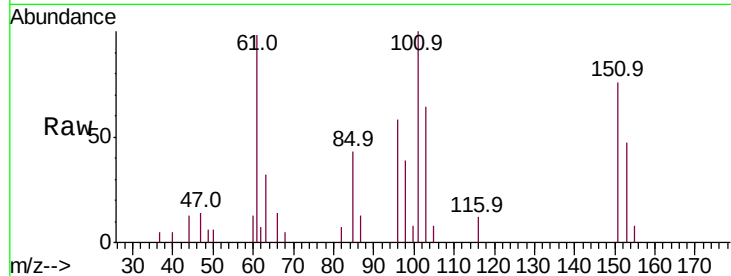
151 76.3 64.0 96.0

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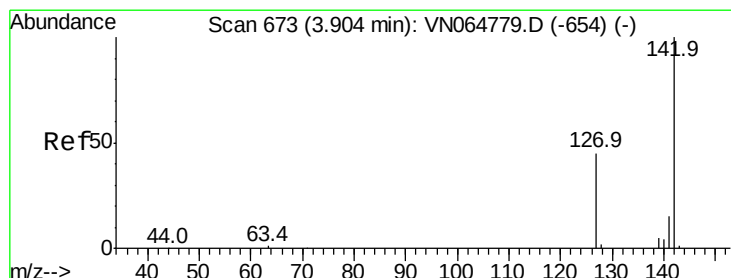
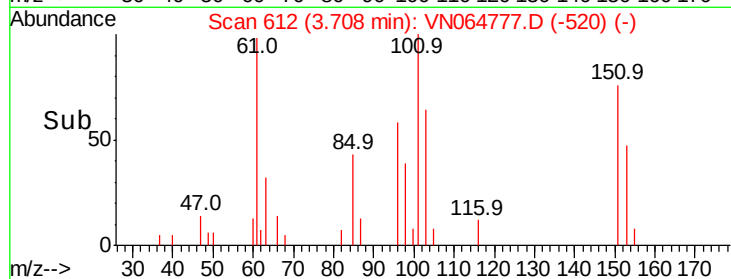
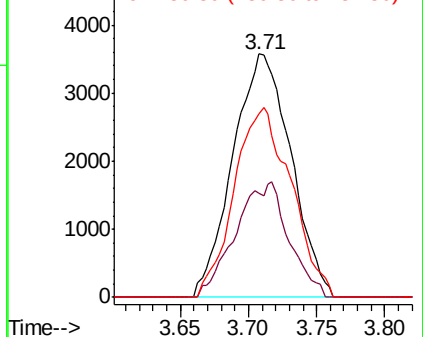
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.844 ug/l

RT: 3.90 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

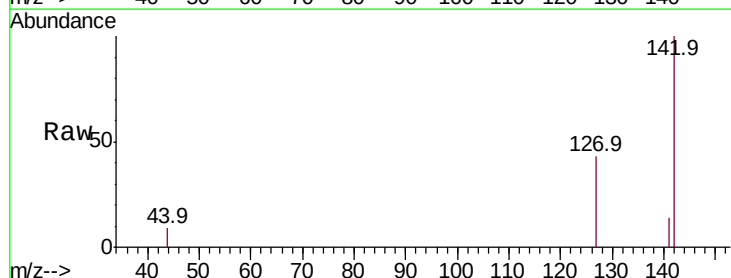
Tgt Ion:142 Resp: 11495

Ion Ratio Lower Upper

142 100

127 43.9 35.0 52.6

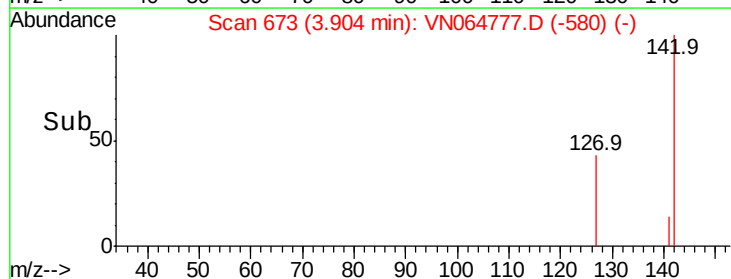
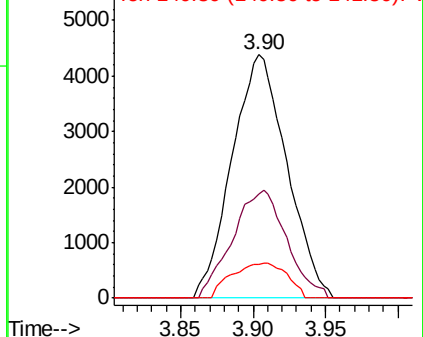
141 14.5 11.8 17.6

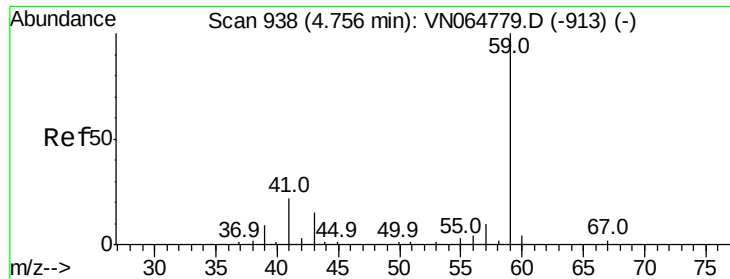


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





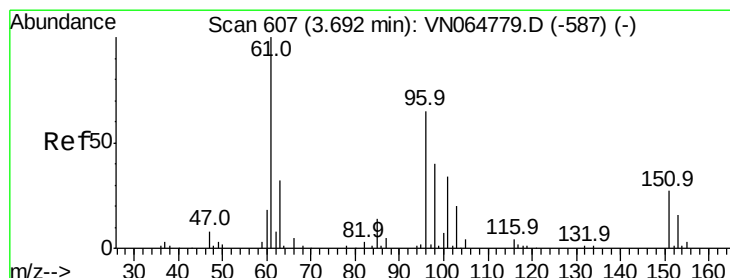
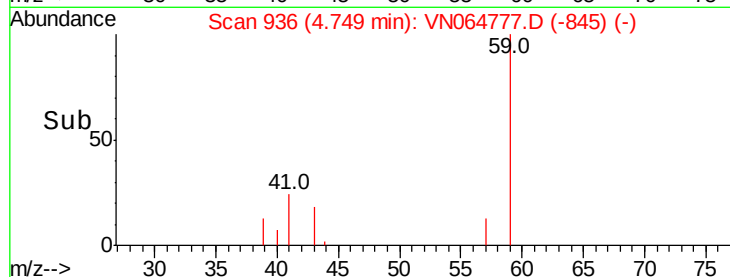
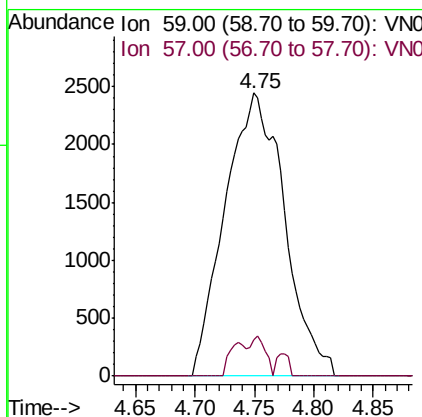
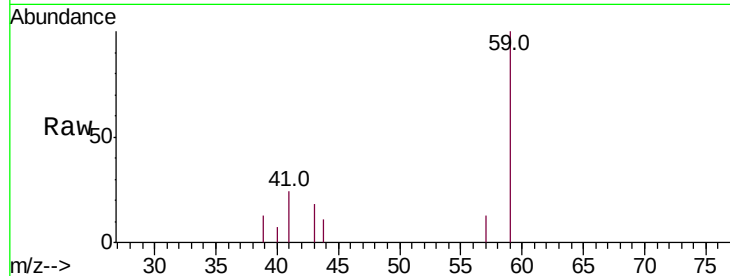
#11
Tert butyl alcohol
Concen: 27.149 ug/l
RT: 4.75 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 8460
Ion Ratio Lower Upper
59 100
57 3.5 7.9 11.9#

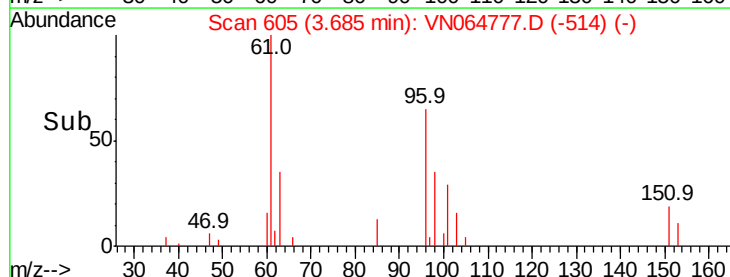
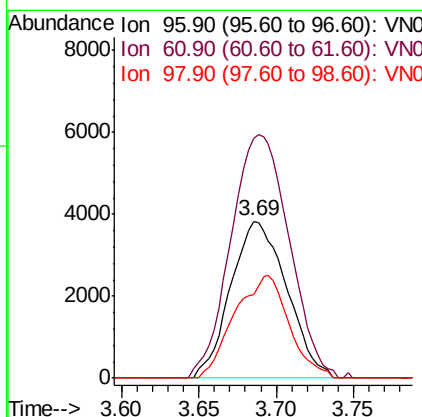
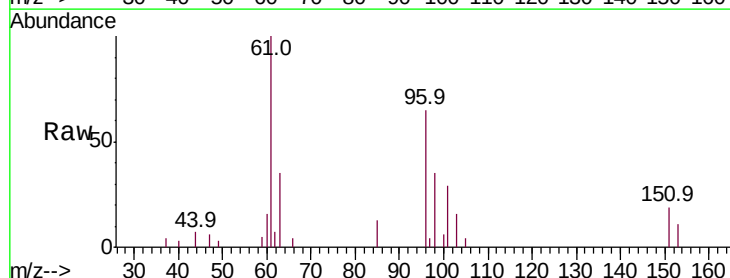
Manual Integrations
APPROVED

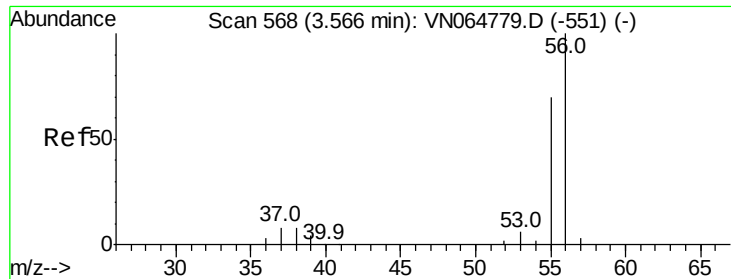
MMDadoda
11/24/2020 3:01:06 PM



#12
1,1-Dichloroethene
Concen: 5.059 ug/l
RT: 3.69 min Scan# 605
Delta R.T. -0.01 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 96 Resp: 9643
Ion Ratio Lower Upper
96 100
61 153.2 123.4 185.2
98 53.3 49.8 74.8





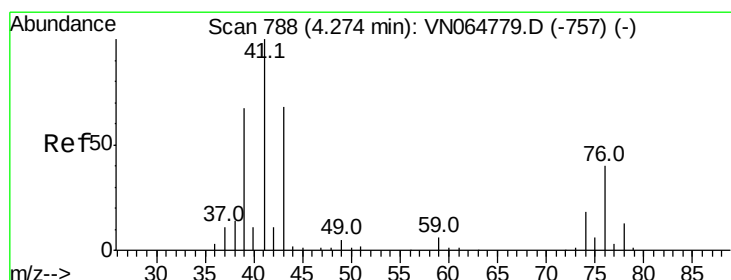
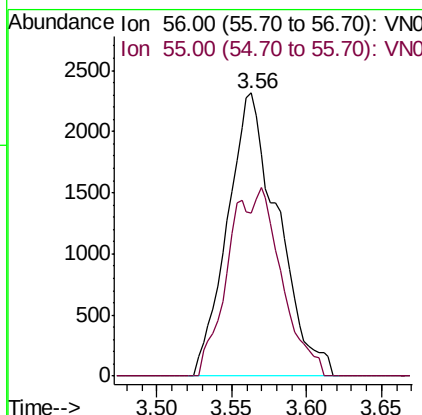
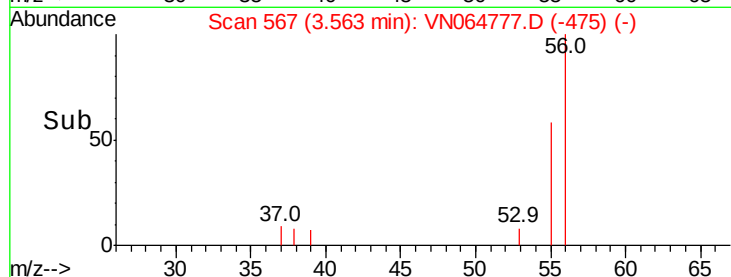
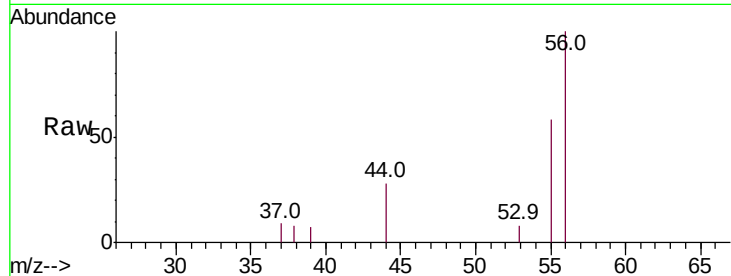
#13
 Acrolein
 Concen: 57.483 ug/l
 RT: 3.56 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	33.4	56.5	84.7#

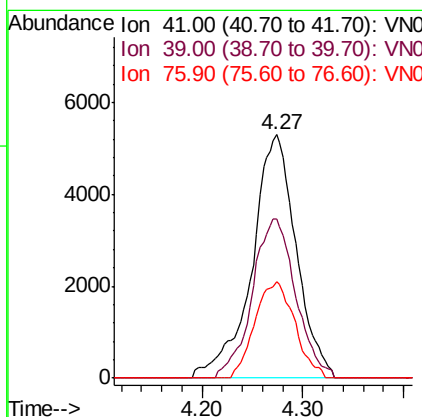
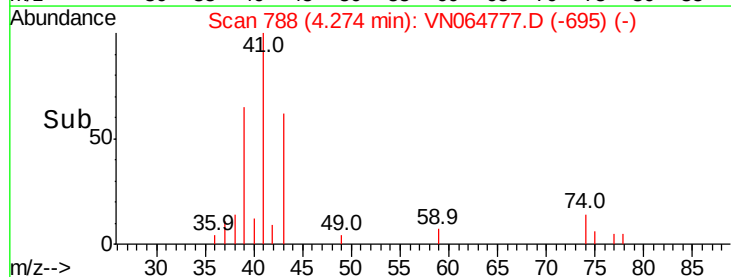
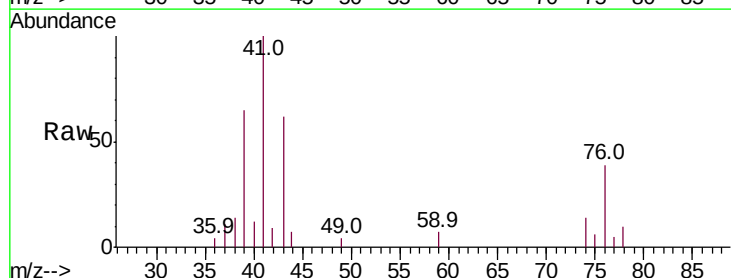
Manual Integrations
 APPROVED

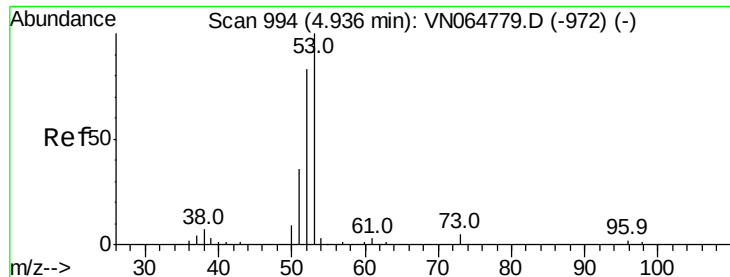
MMDadoda
 11/24/2020 3:01:06 PM



#14
 Allyl chloride
 Concen: 4.979 ug/l
 RT: 4.27 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.9	50.9	76.3
76	35.6	29.0	43.4





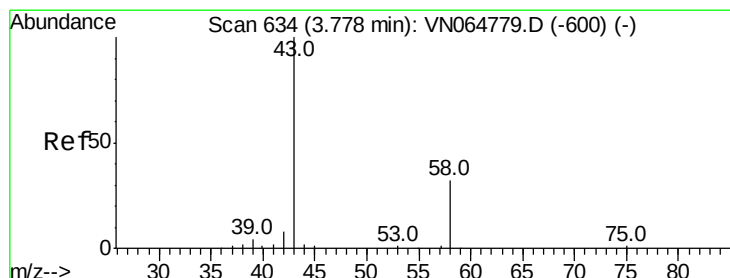
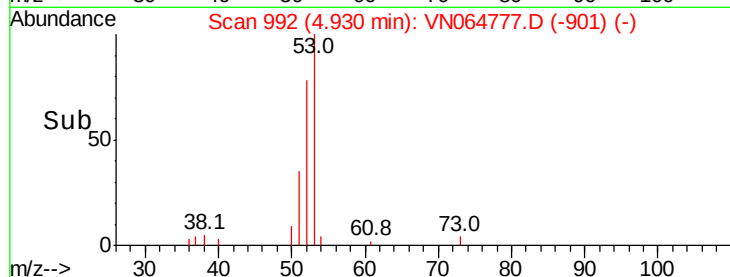
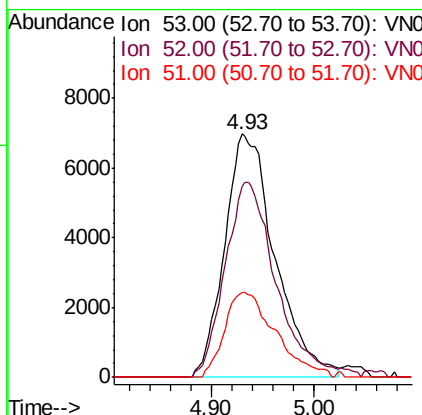
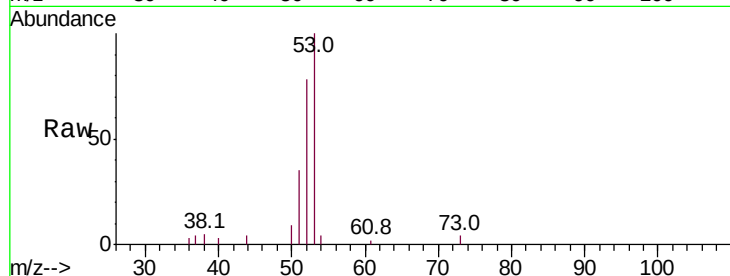
#15
 Acrylonitrile
 Concen: 26.278 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.5	98.3
51	35.2	28.6	43.0

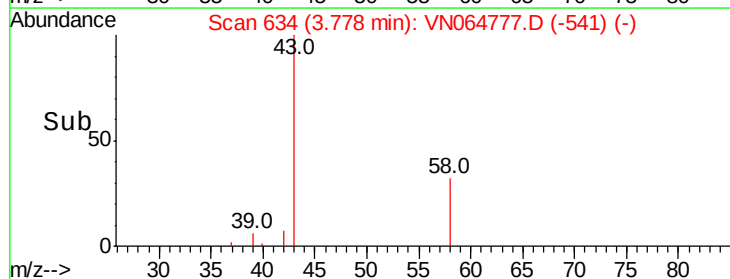
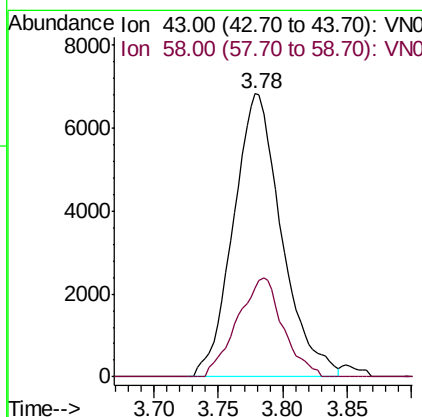
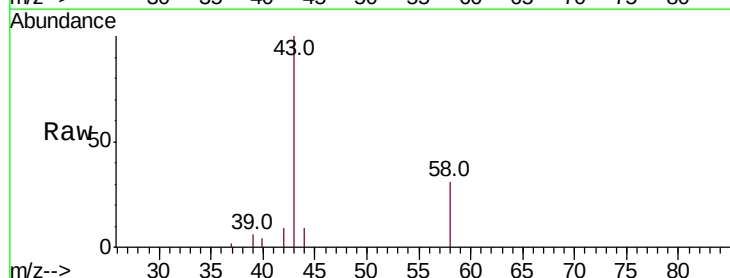
Manual Integrations
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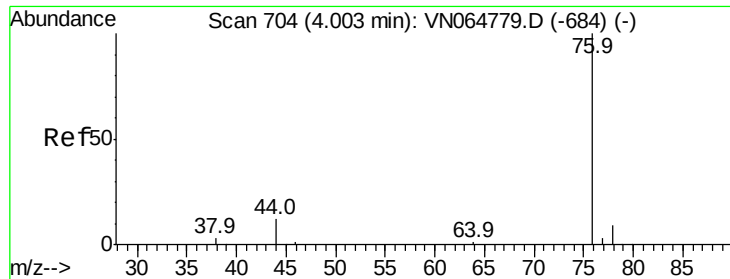
MMDadoda
 11/24/2020 3:01:06 PM



#16
 Acetone
 Concen: 22.932 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.7	38.5





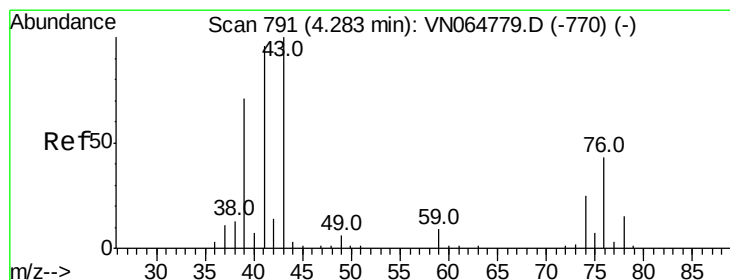
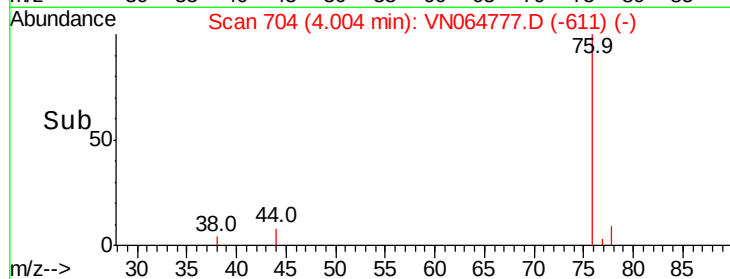
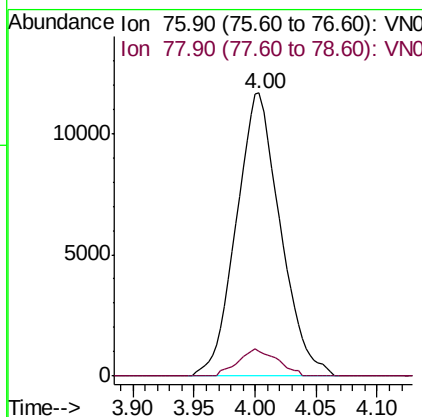
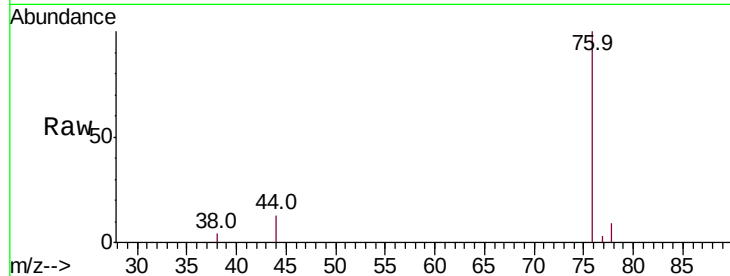
#17
Carbon Disulfide
Concen: 4.964 ug/l
RT: 4.00 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

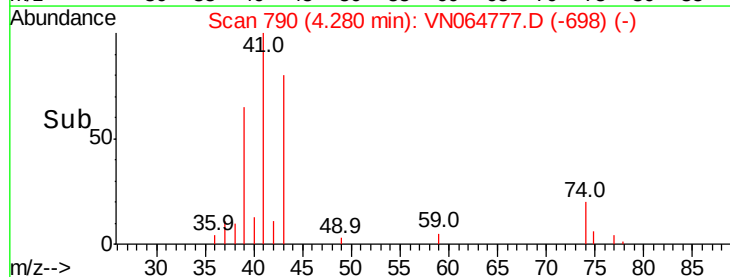
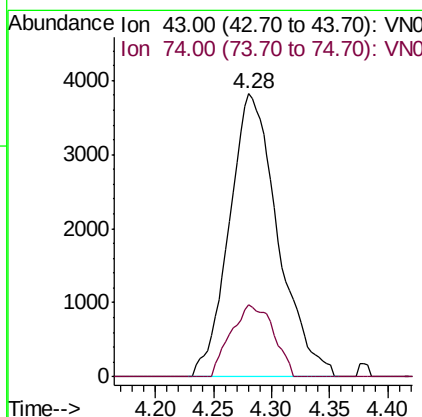
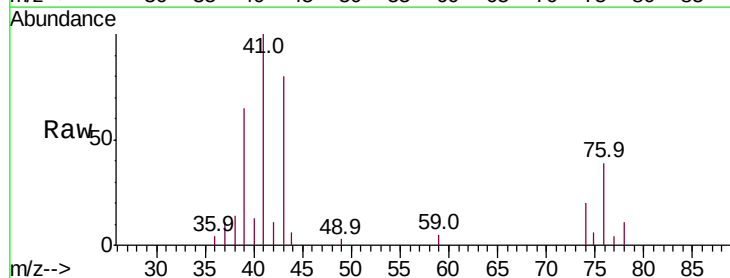
Manual Integrations
APPROVED

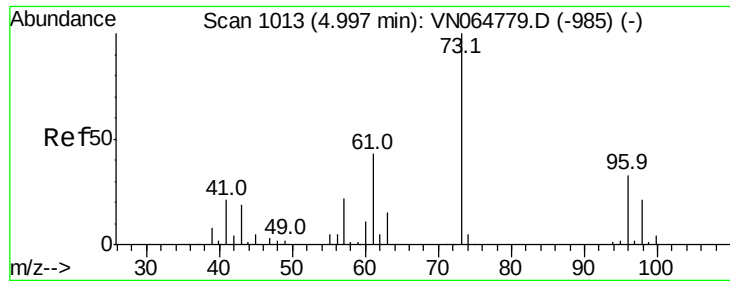
MMDadoda
11/24/2020 3:01:06 PM



#18
Methyl Acetate
Concen: 4.690 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	20.2	30.2





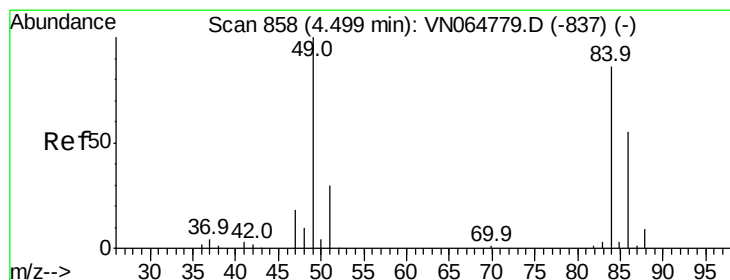
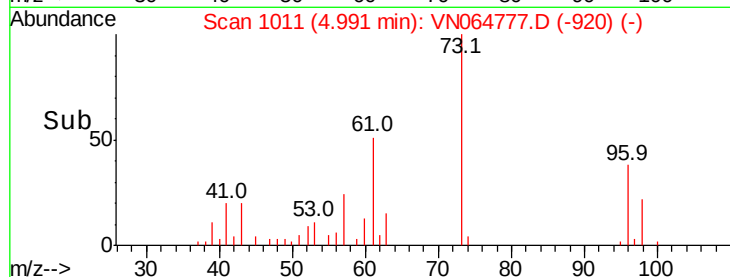
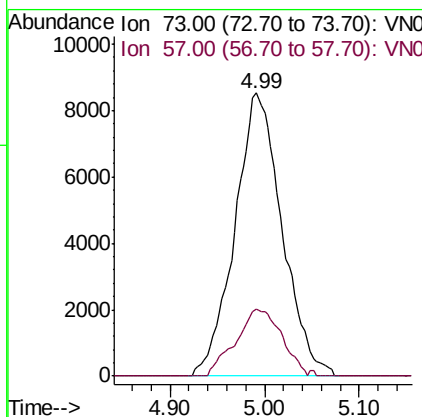
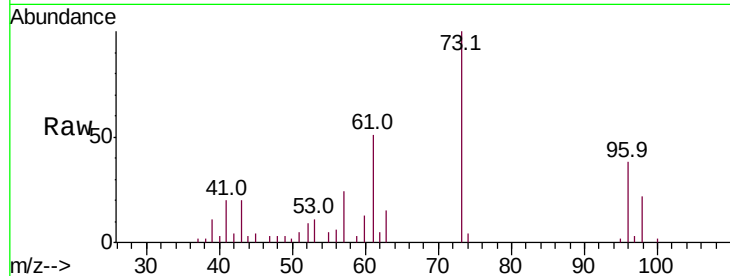
#19
Methyl tert-butyl Ether
Concen: 4.677 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 29520
Ion Ratio Lower Upper
73 100
57 23.6 17.4 26.0

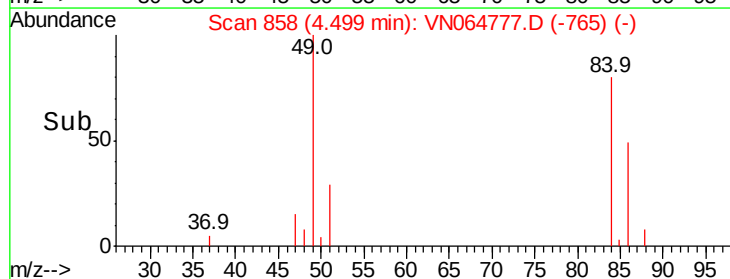
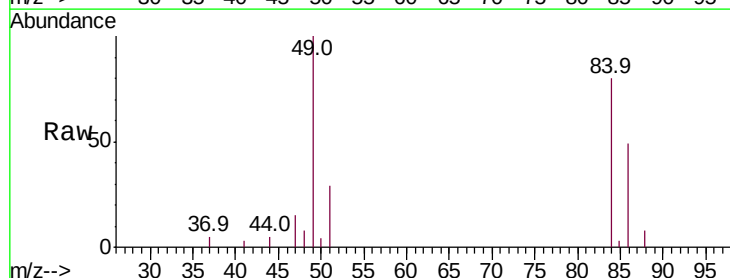
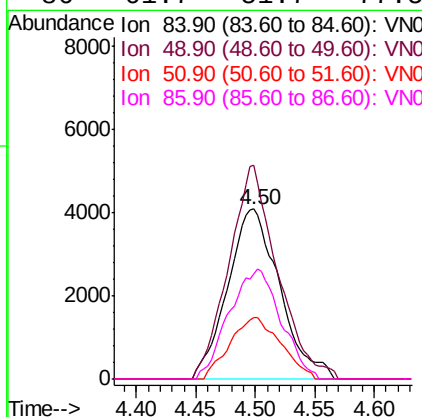
Manual Integrations
APPROVED

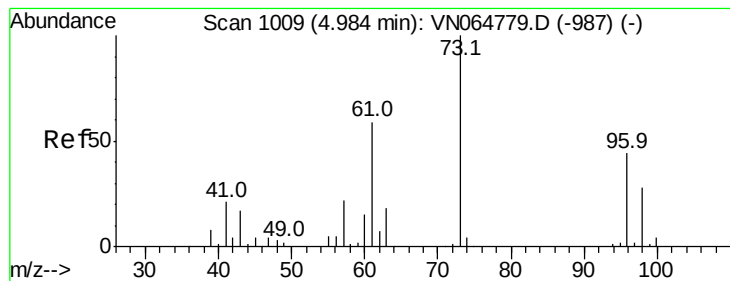
MMDadoda
11/24/2020 3:01:06 PM



#20
Methylene Chloride
Concen: 5.368 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 84 Resp: 12371
Ion Ratio Lower Upper
84 100
49 125.7 93.4 140.0
51 36.4 28.2 42.4
86 61.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 5.227 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 11081

Ion Ratio Lower Upper

96 100

61 123.9 108.4 162.6

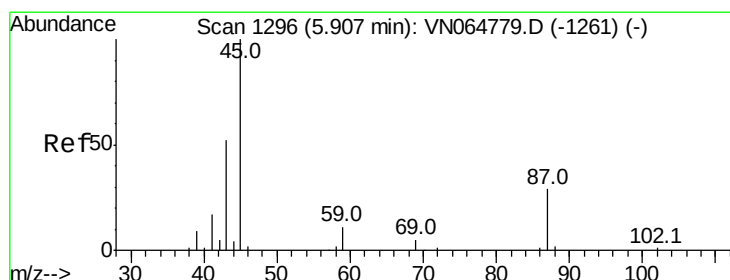
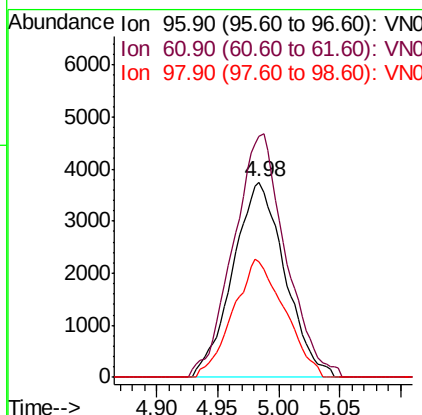
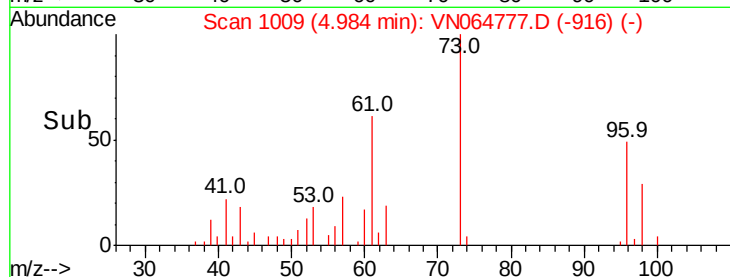
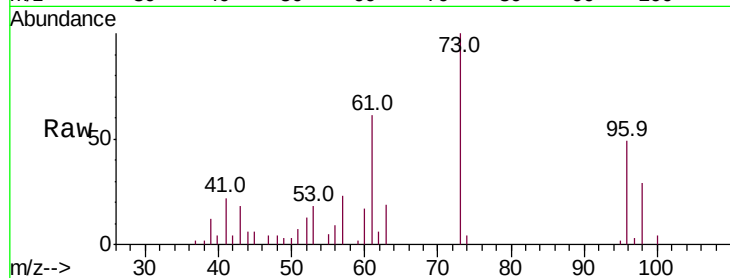
98 59.5 51.3 76.9

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:06 PM



#22

Diisopropyl ether

Concen: 4.556 ug/l

RT: 5.91 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Tgt Ion: 45 Resp: 31002

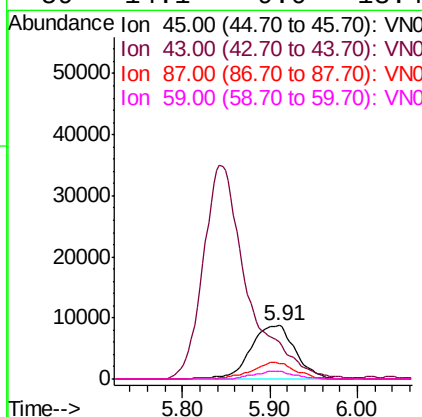
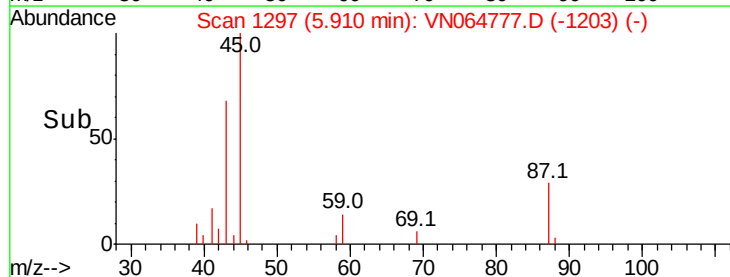
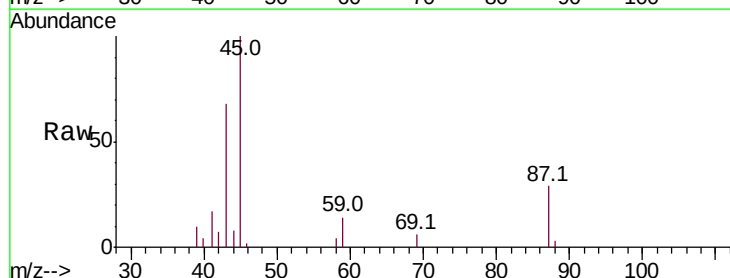
Ion Ratio Lower Upper

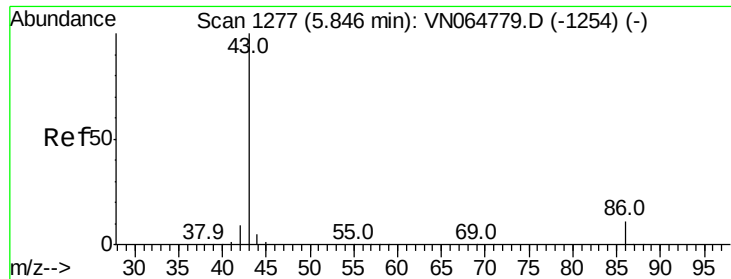
45 100

43 64.0 46.2 69.2

87 29.4 24.1 36.1

59 14.1 9.0 13.4#





#23

Vinyl Acetate

Concen: 22.449 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 122965

Ion Ratio Lower Upper

43 100

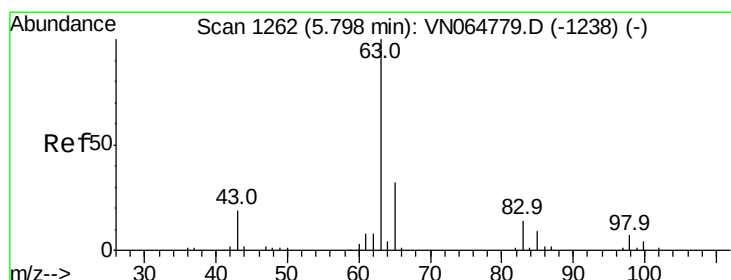
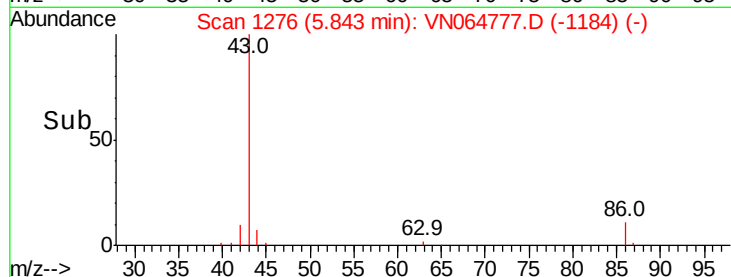
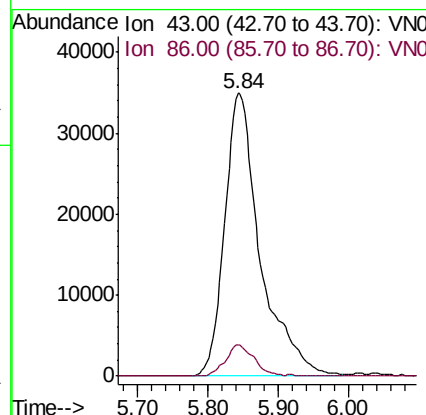
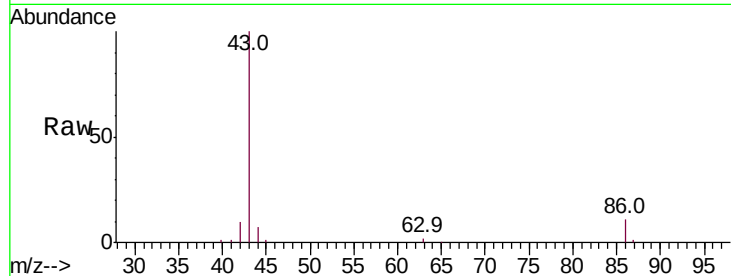
86 11.2 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.892 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

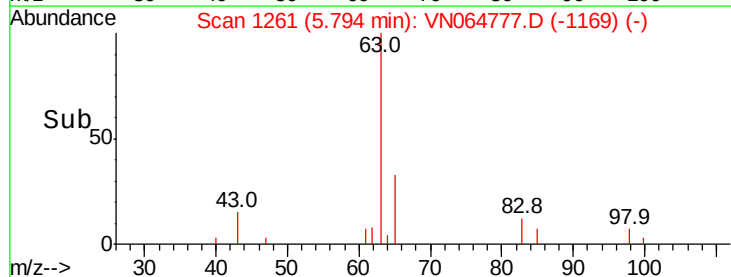
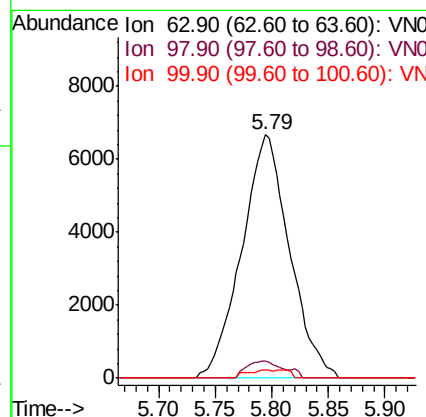
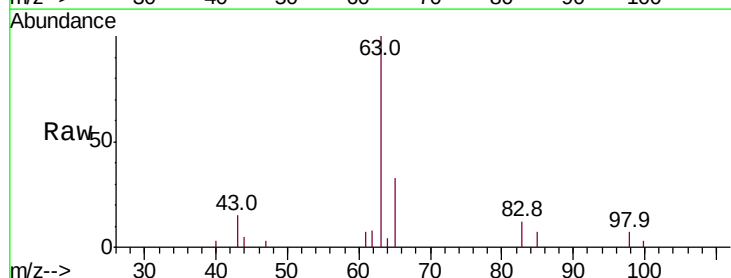
Tgt Ion: 63 Resp: 19605

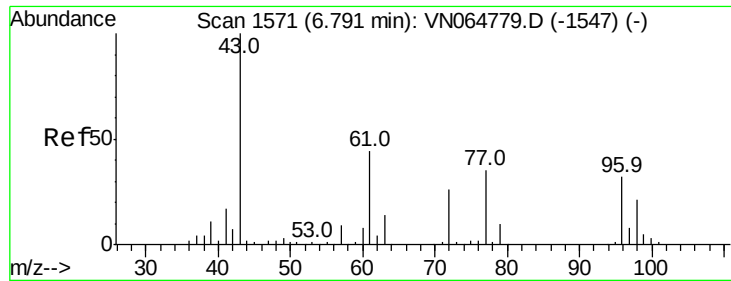
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 3.4 2.3 6.8





#25

2-Butanone

Concen: 23.923 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 28727

Ion Ratio Lower Upper

43 100

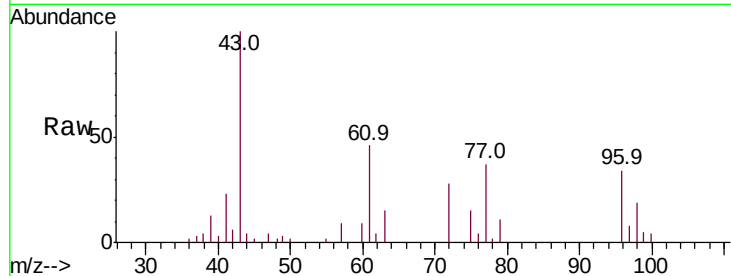
72 28.2 21.0 31.6

Manual Integrations

APPROVED

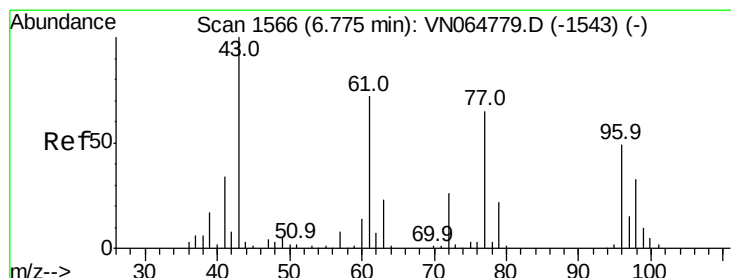
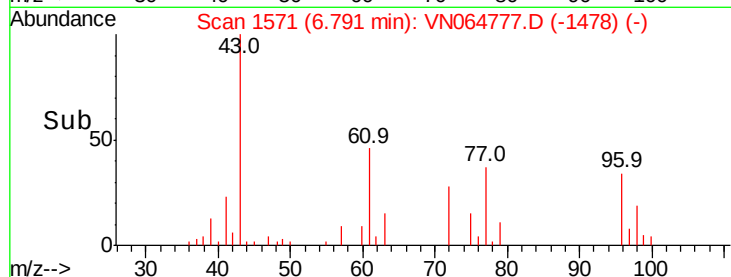
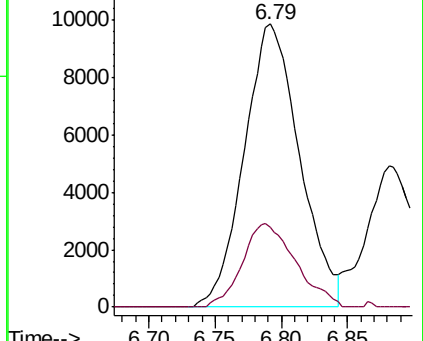
MMDadoda

11/24/2020 3:01:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 4.554 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064777.D

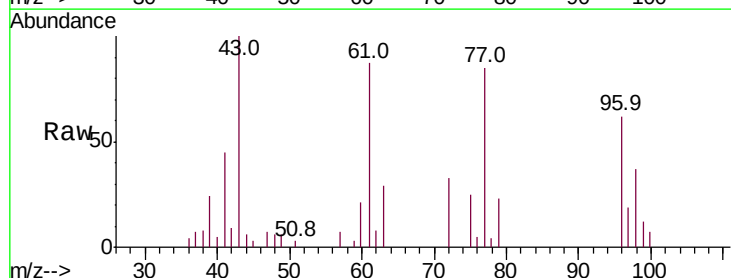
Acq: 23 Nov 2020 11:54

Tgt Ion: 77 Resp: 17051

Ion Ratio Lower Upper

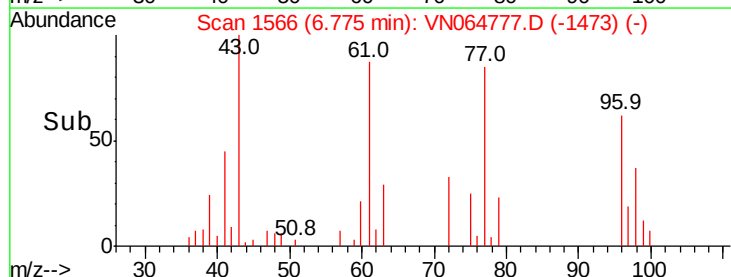
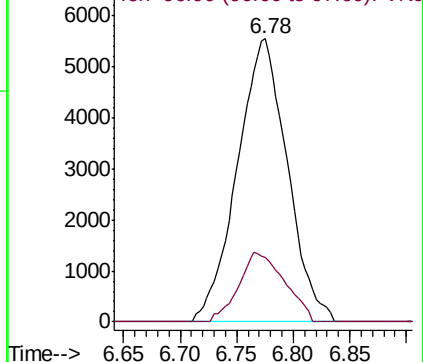
77 100

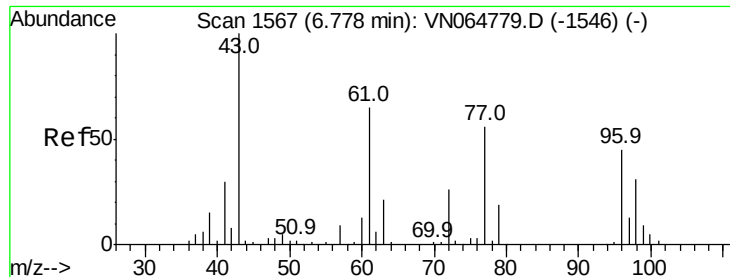
97 22.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.281 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 12370

Ion Ratio Lower Upper

96 100

61 137.4 0.0 285.8

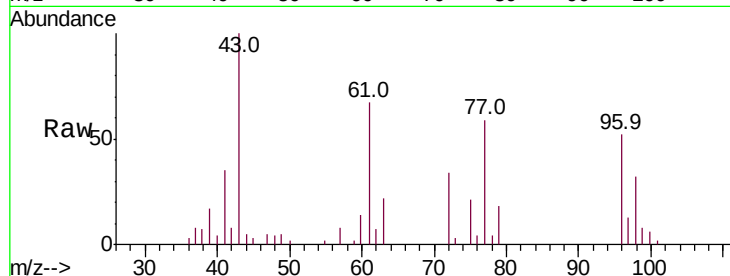
98 57.8 0.0 130.6

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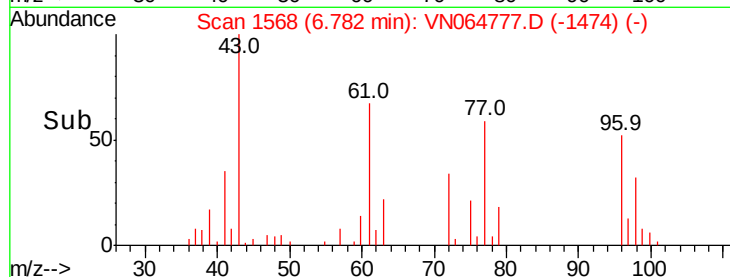


Abundance Ion 95.90 (95.60 to 96.60): VN064777.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064777.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064777.D (-1546) (-)

Time-->

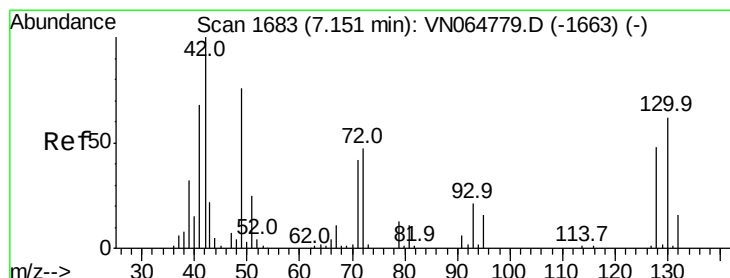


Abundance Ion 95.90 (95.60 to 96.60): VN064777.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064777.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064777.D (-1474) (-)

Time-->



#28

Bromochloromethane

Concen: 4.440 ug/l

RT: 7.14 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

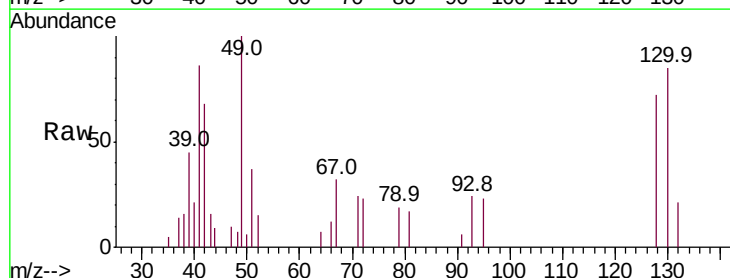
Tgt Ion: 49 Resp: 8910

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 83.3 66.2 99.2

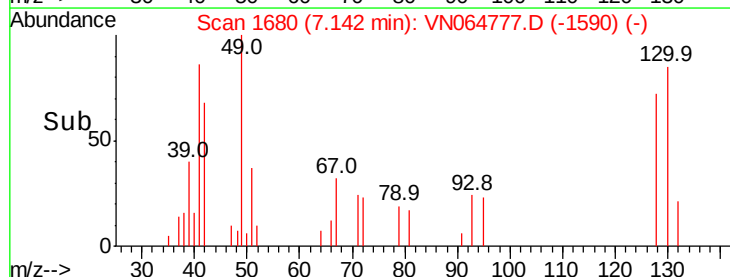


Abundance Ion 48.90 (48.60 to 49.60): VN064777.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN064777.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN064777.D (-1663) (-)

Time-->

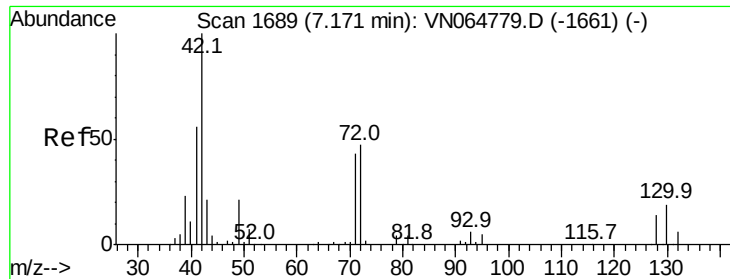


Abundance Ion 48.90 (48.60 to 49.60): VN064777.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN064777.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN064777.D (-1590) (-)

Time-->



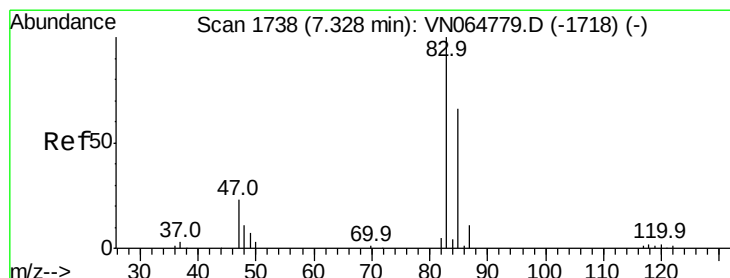
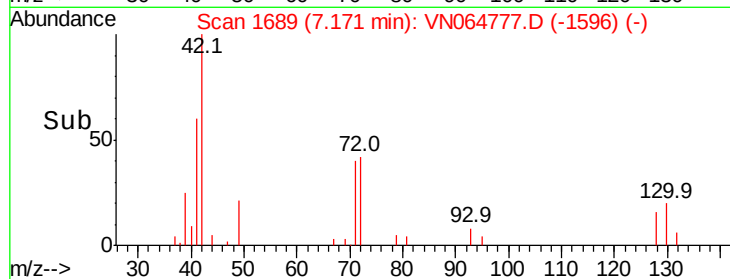
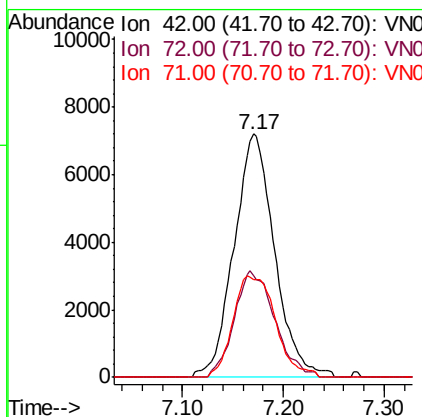
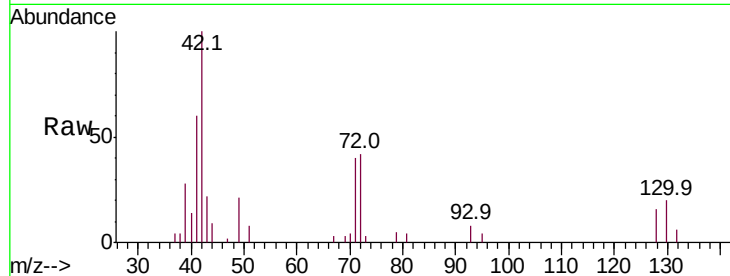
#29
Tetrahydrofuran
Concen: 24.879 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

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

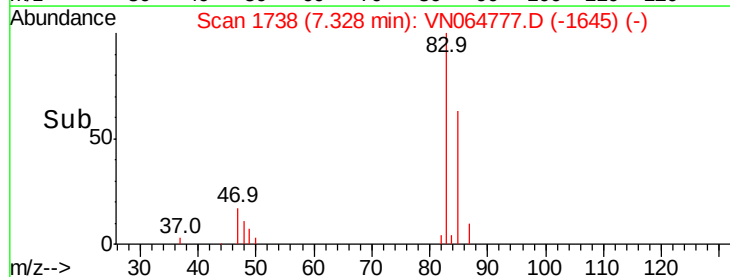
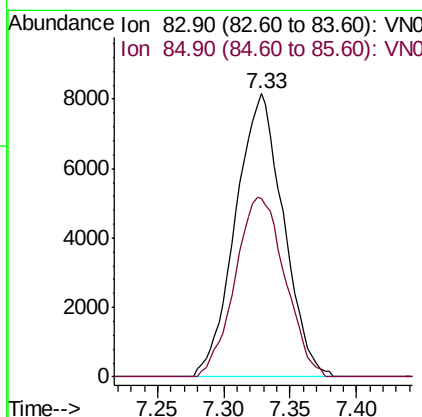
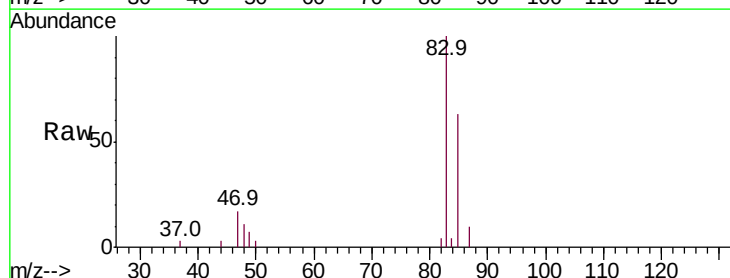
Manual Integrations
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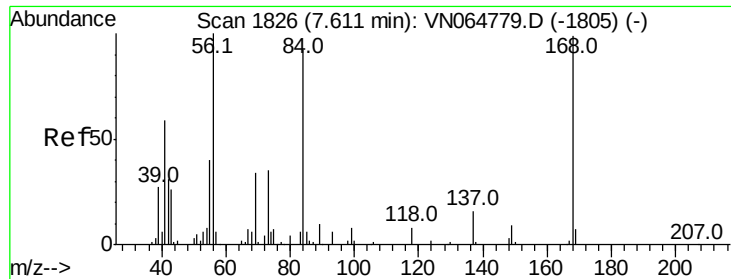
MMDadoda
11/24/2020 3:01:06 PM



#30
Chloroform
Concen: 4.758 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	78.8





#31

Cyclohexane

Concen: 5.521 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 18394

Ion Ratio Lower Upper

56 100

69 60.4 27.5 41.3#

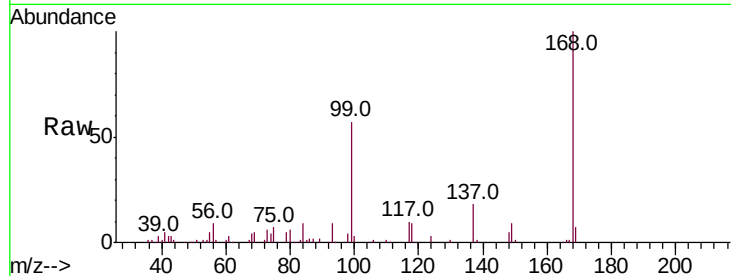
84 96.8 73.9 110.9

Manual Integrations

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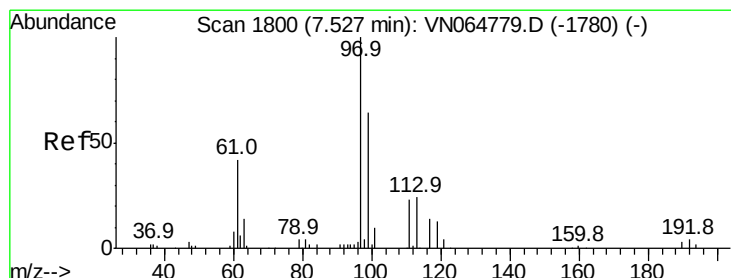
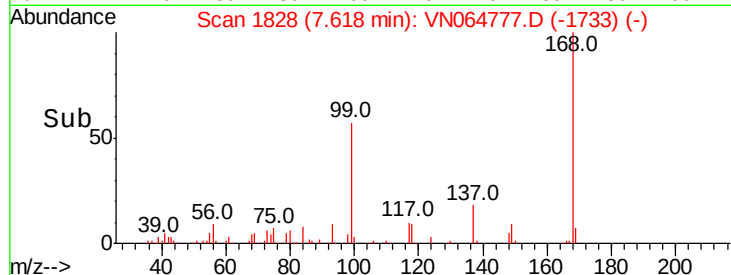
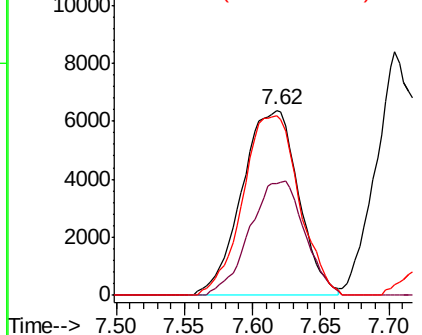
11/24/2020 3:01:06 PM



Abundance Ion 56.00 (55.70 to 56.70): VN064777.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064777.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064777.D (-1733) (-)



#32

1,1,1-Trichloroethane

Concen: 4.479 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

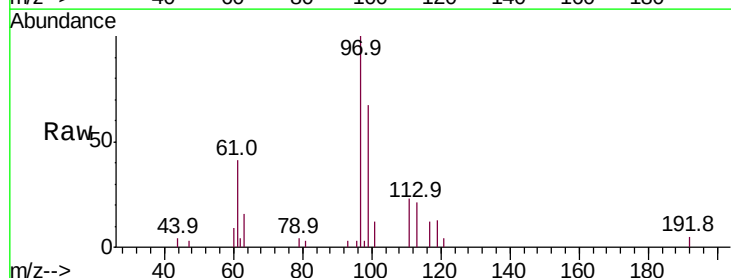
Tgt Ion: 97 Resp: 17558

Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

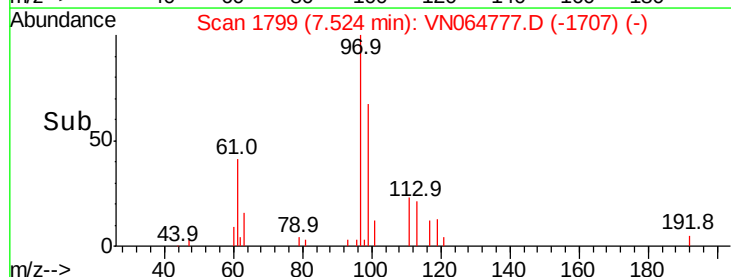
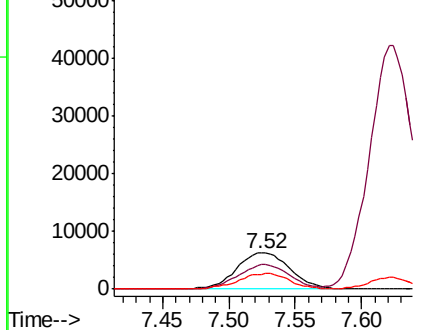
61 41.2 33.9 50.9

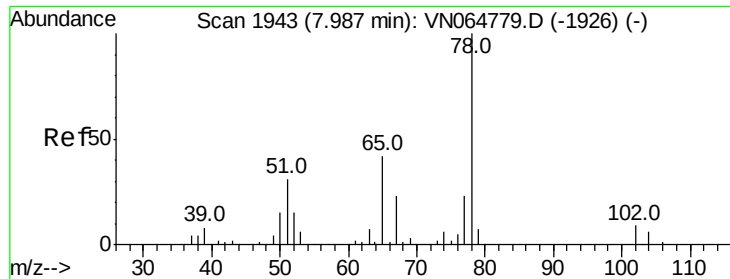


Abundance Ion 96.90 (96.60 to 97.60): VN064777.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064777.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064777.D (-1707) (-)





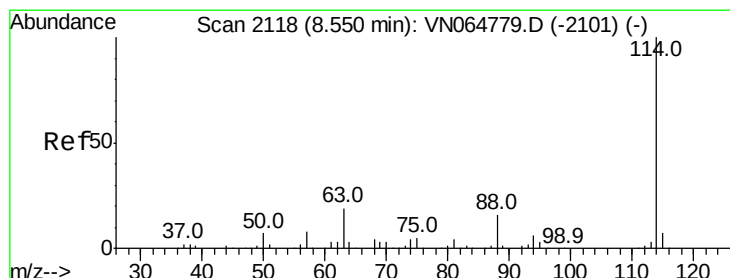
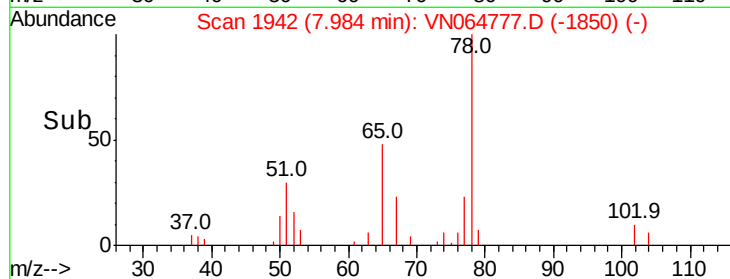
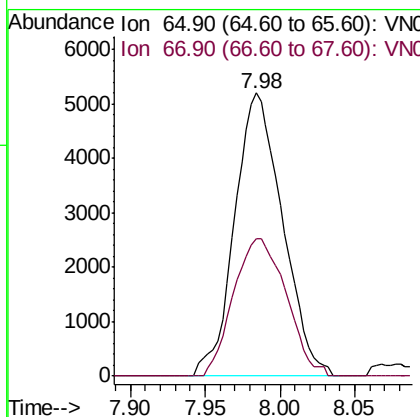
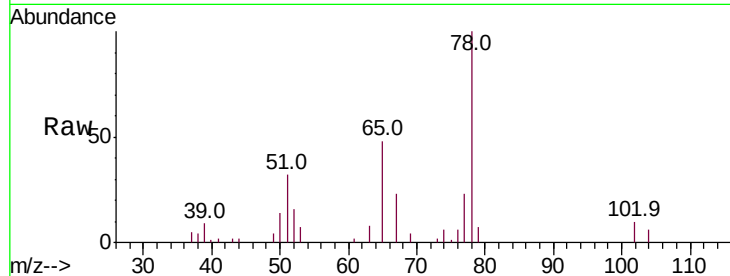
#33
 1,2-Dichloroethane-d4
 Concen: 3.896 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.2

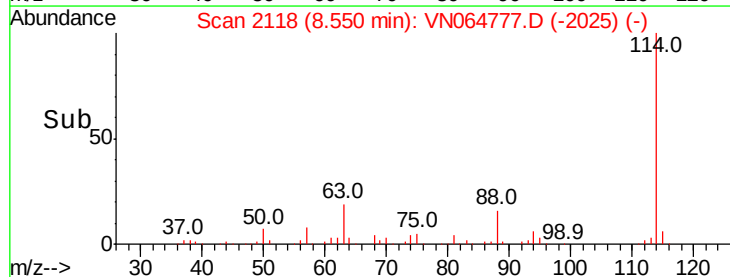
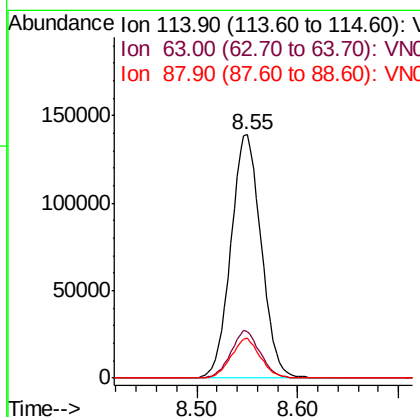
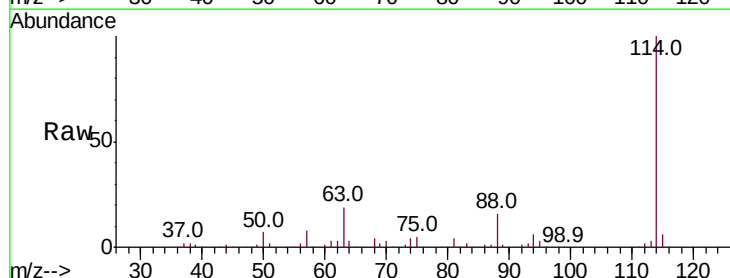
Manual Integrations
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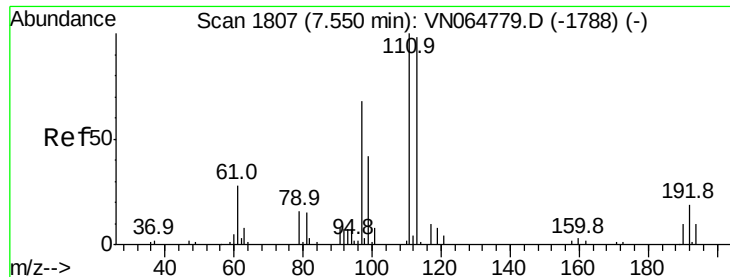
MMDadoda
 11/24/2020 3:01:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.6
88	16.2	0.0	32.6





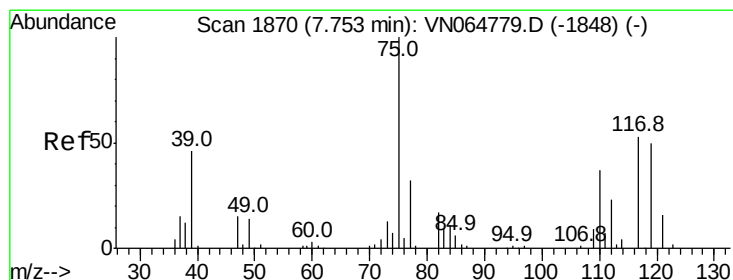
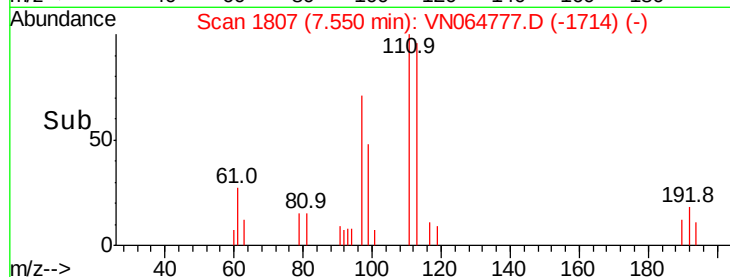
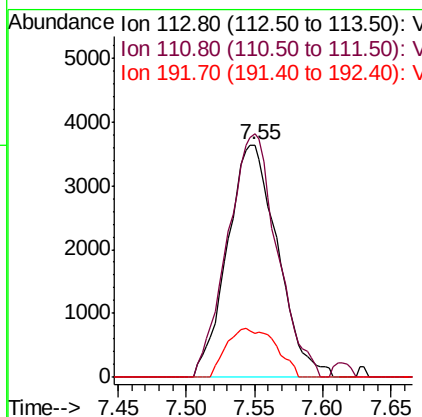
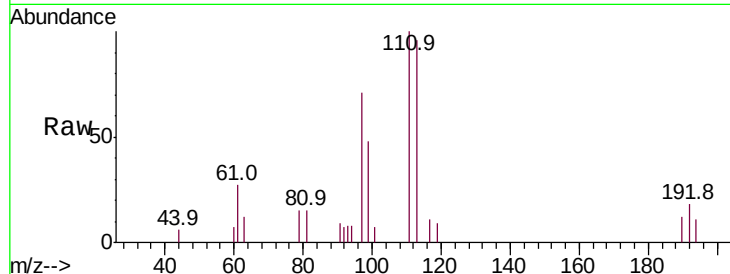
#35
 Dibromofluoromethane
 Concen: 5.589 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	20.7	16.2	24.2

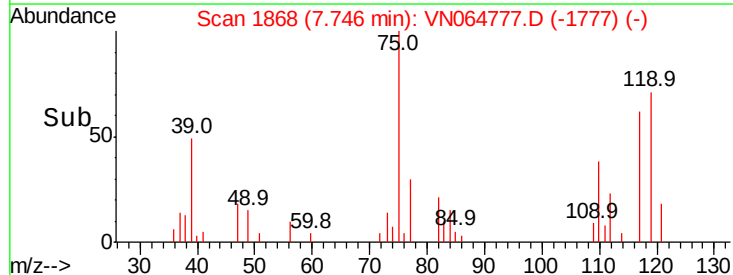
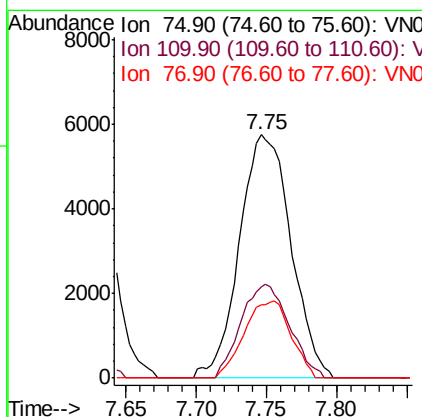
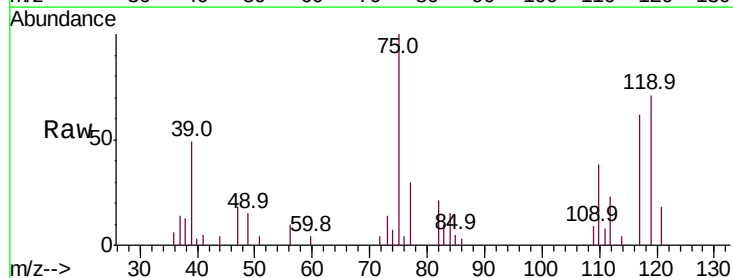
Manual Integrations
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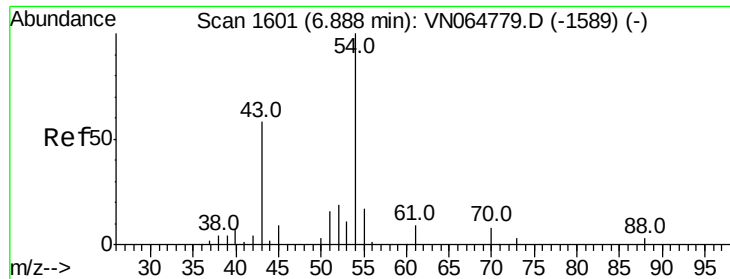
MMDadoda
 11/24/2020 3:01:06 PM



#36
 1,1-Dichloropropene
 Concen: 5.009 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.8	53.3
77	28.7	25.0	37.4





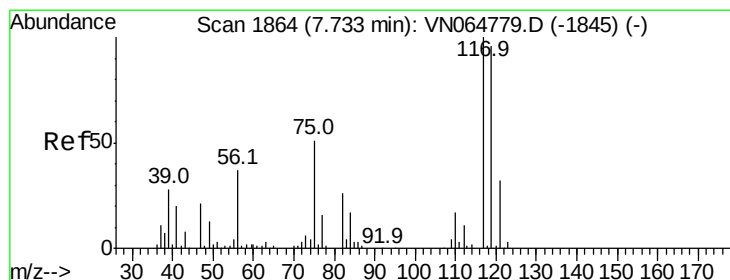
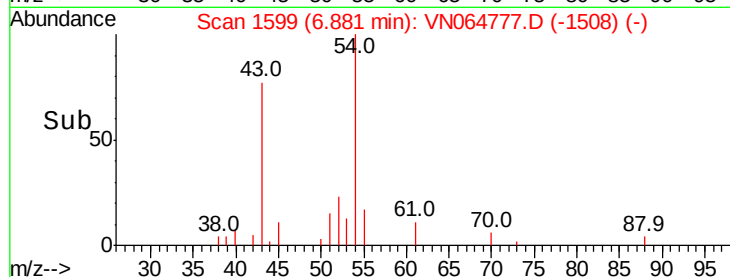
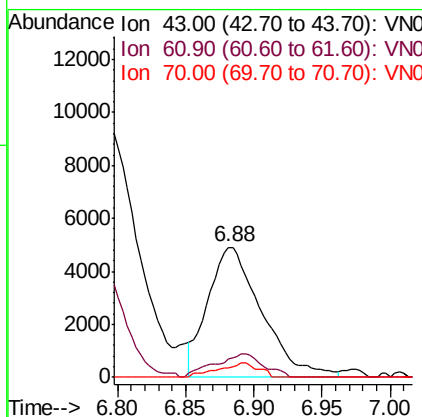
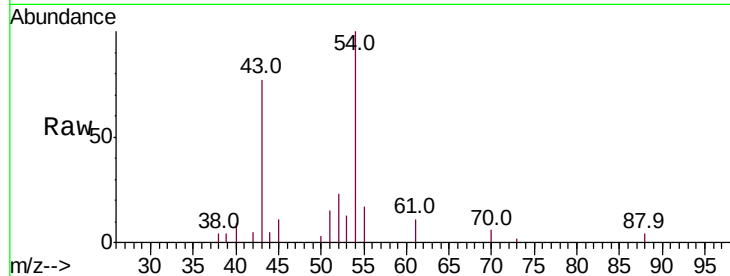
#37
Ethyl Acetate
Concen: 5.428 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.8	19.2
70	8.2	8.8	13.2

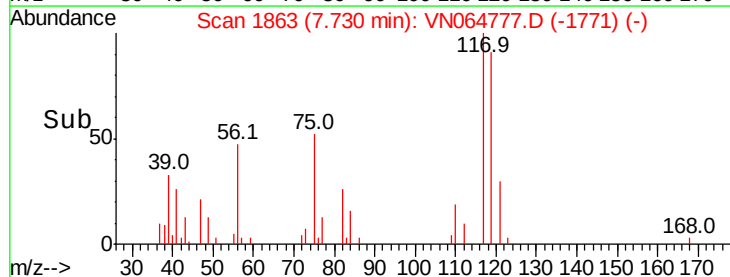
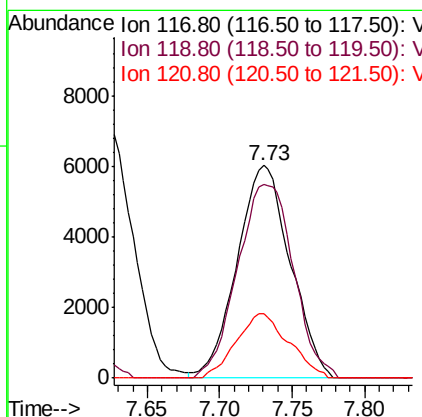
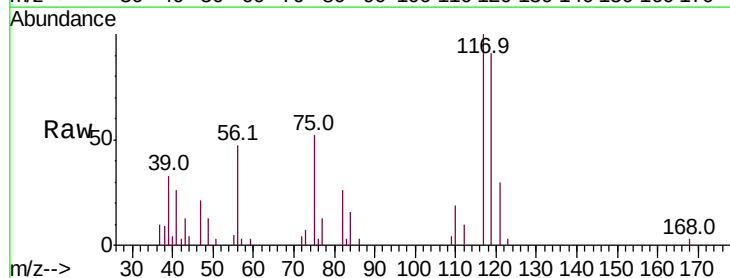
Manual Integrations
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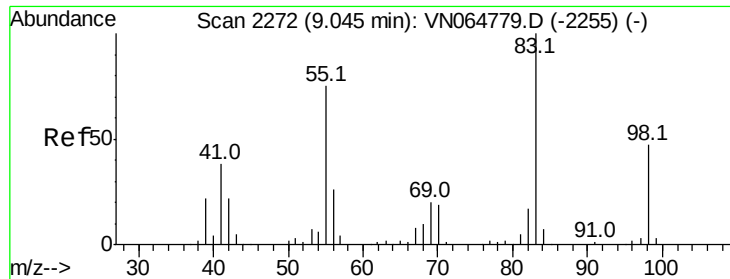
MMDadoda
11/24/2020 3:01:06 PM



#38
Carbon Tetrachloride
Concen: 4.982 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.7	115.1
121	30.1	25.4	38.2





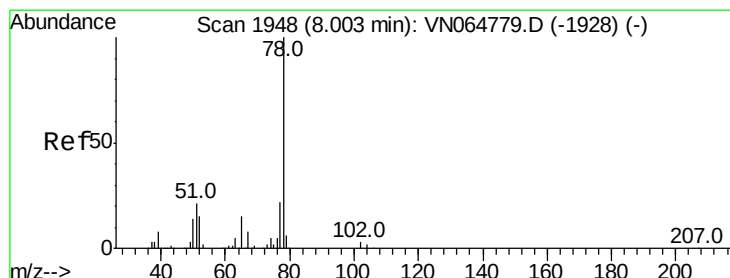
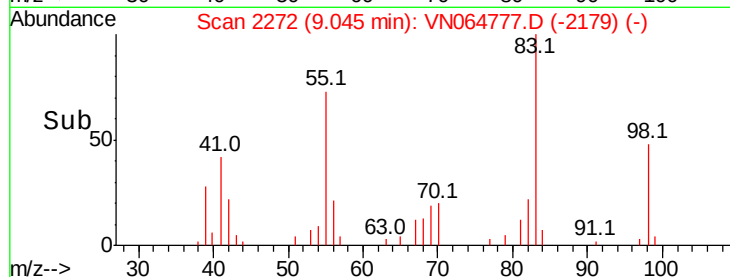
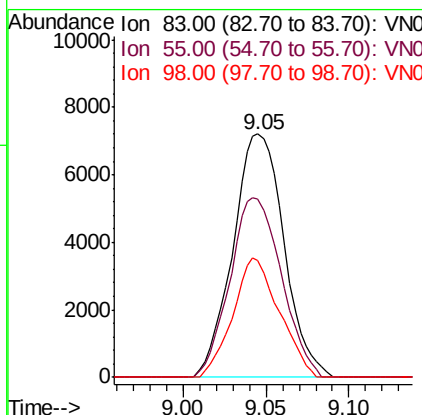
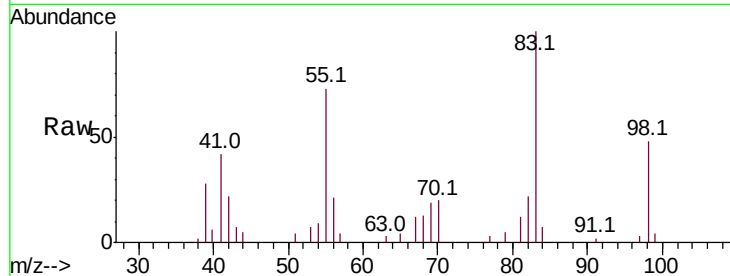
#39
Methylvlcyclohexane
Concen: 5.764 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	60.2	90.2
98	47.9	37.4	56.2

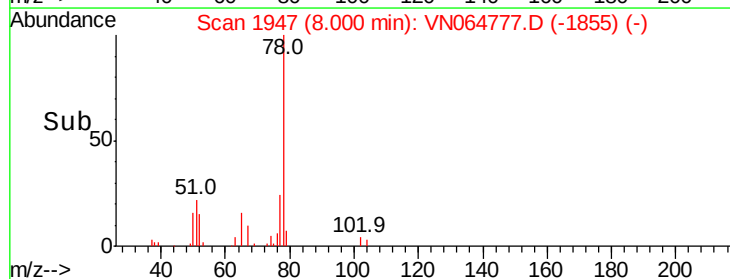
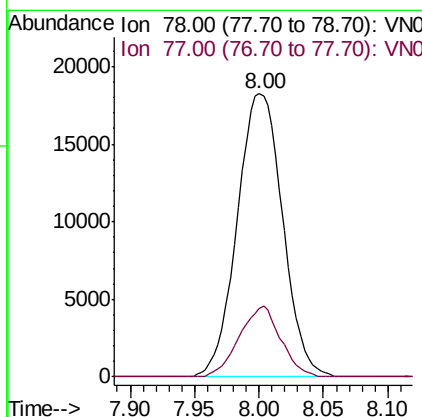
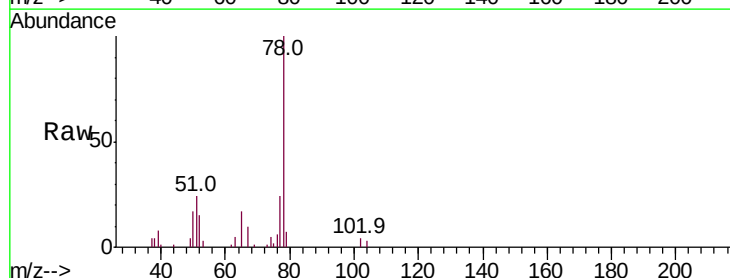
Manual Integrations
APPROVED

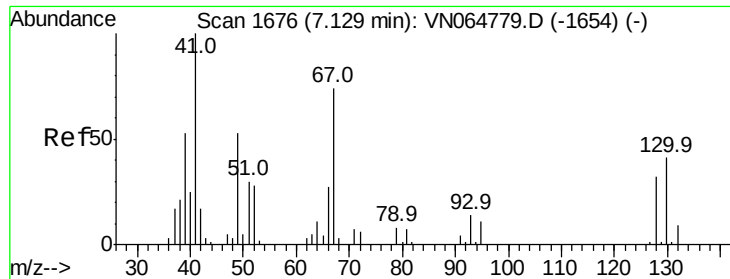
MMDadoda
11/24/2020 3:01:06 PM



#40
Benzene
Concen: 5.437 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	17.9	26.9





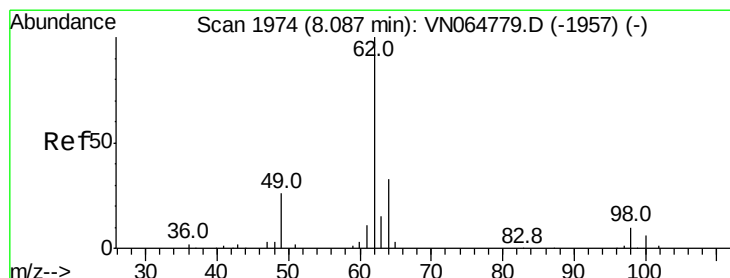
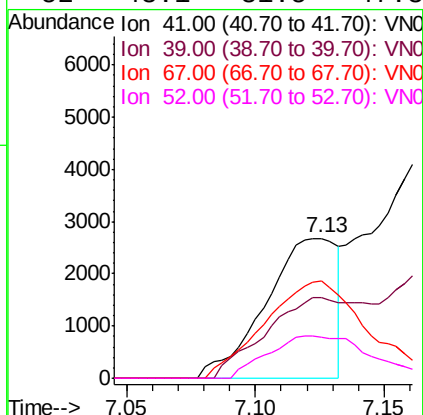
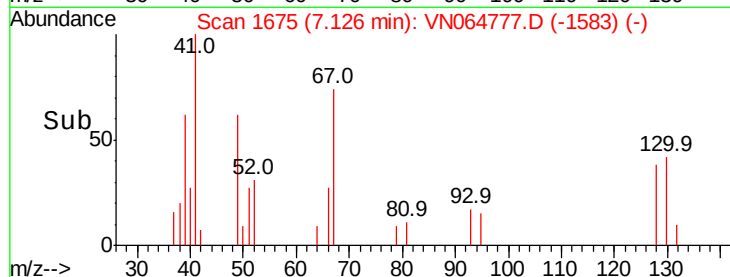
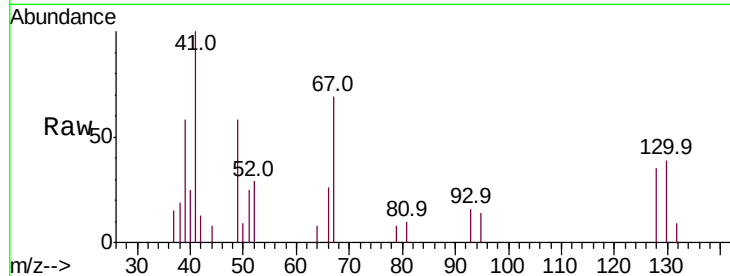
#41
Methacrylonitrile
Concen: 4.582 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.4	51.0	76.6#
67	99.6	79.8	119.8
52	43.1	31.5	47.3

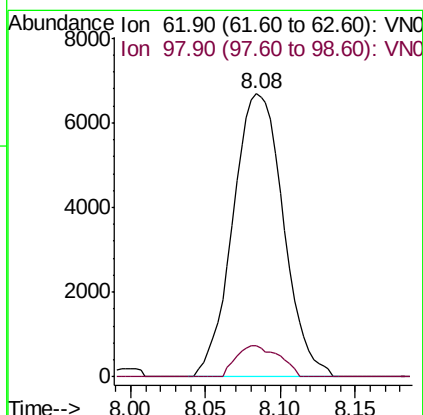
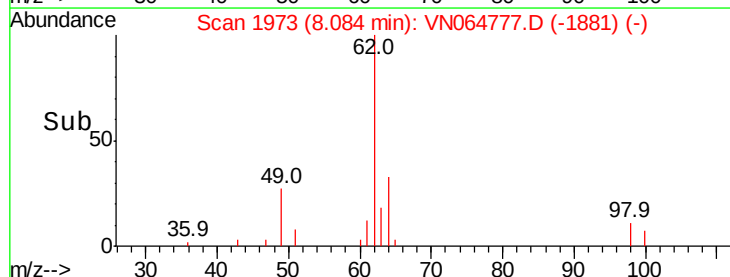
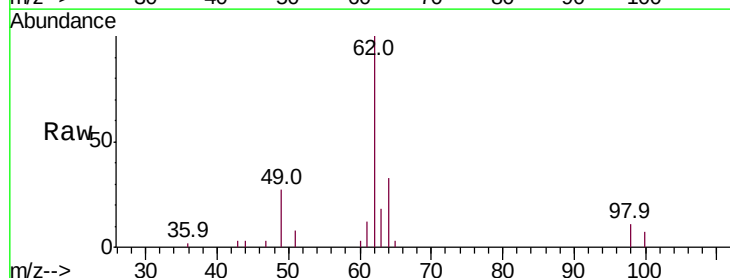
Manual Integrations
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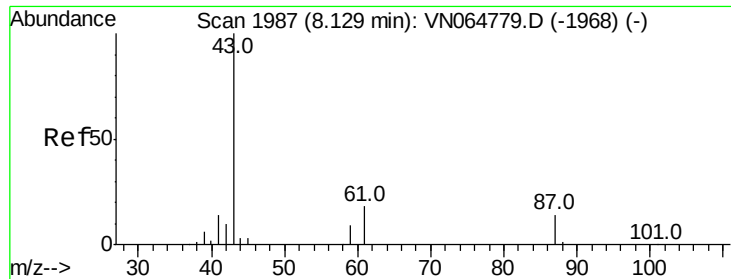
MMDadoda
11/24/2020 3:01:06 PM



#42
1,2-Dichloroethane
Concen: 4.581 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.6





#43

Isopropyl Acetate

Concen: 4.583 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

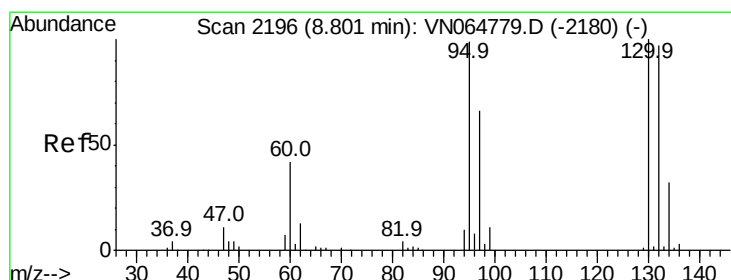
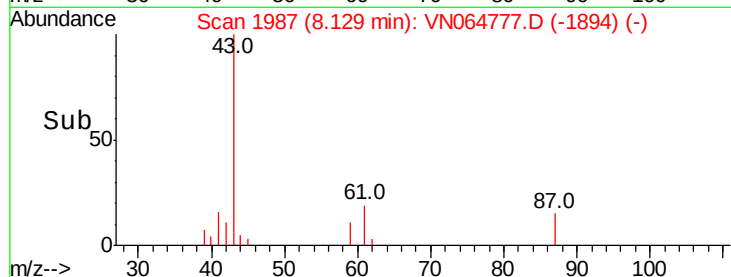
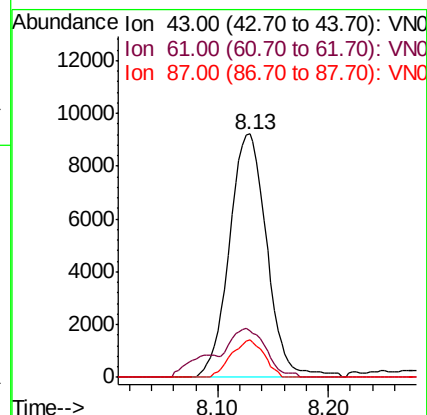
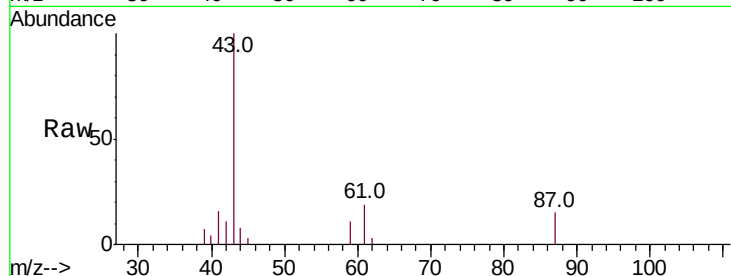
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	21748
Ion	Ratio	Lower	Upper
43	100		
61	19.4	17.2	25.8
87	13.4	11.4	17.0

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#44

Trichloroethene

Concen: 5.573 ug/l

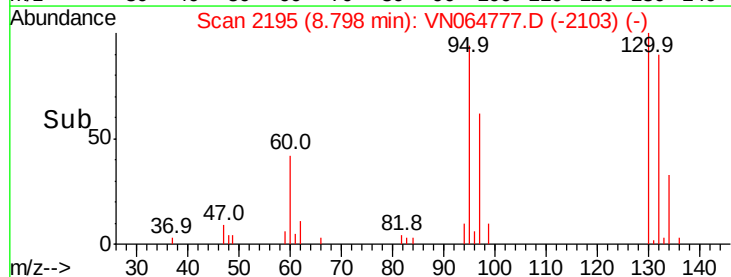
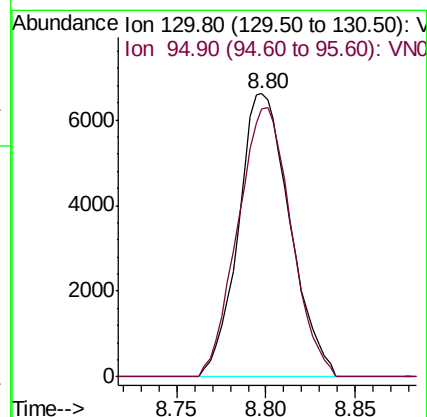
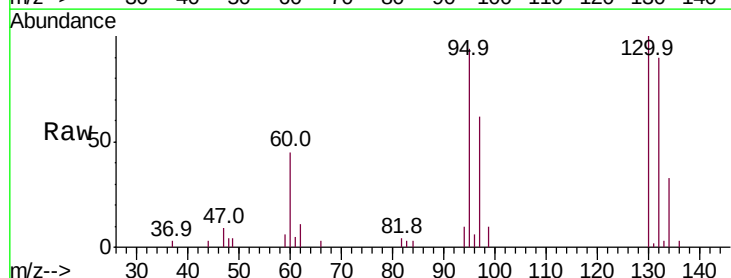
RT: 8.80 min Scan# 2195

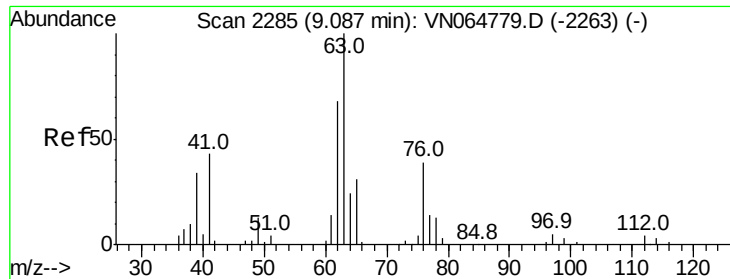
Delta R.T. -0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Tgt Ion:	130	Resp:	13344
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	197.8





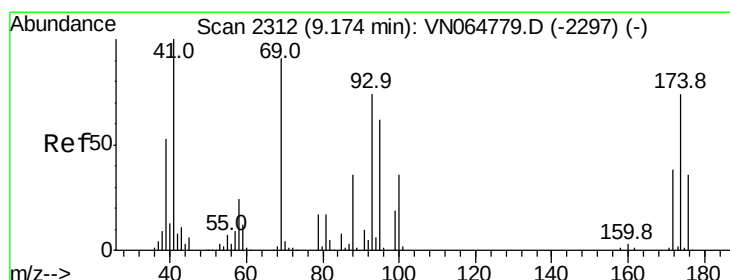
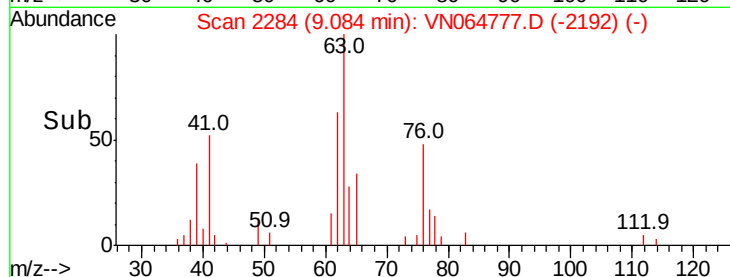
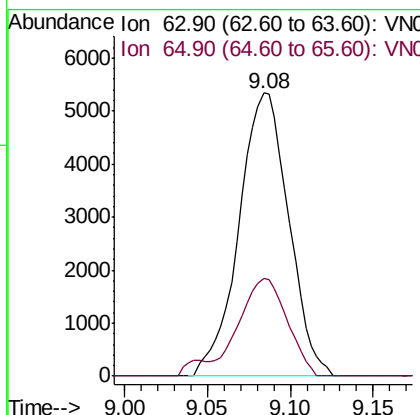
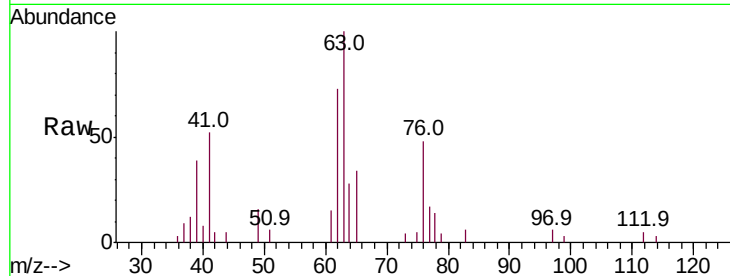
#45
 1,2-Dichloropropane
 Concen: 5.088 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11145
 Ion Ratio Lower Upper
 63 100
 65 34.4 25.0 37.4

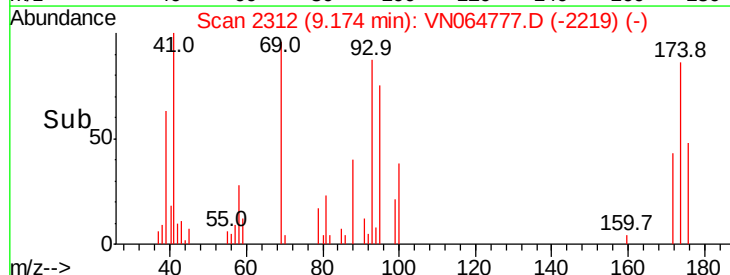
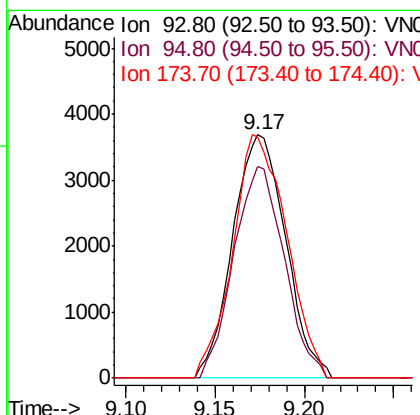
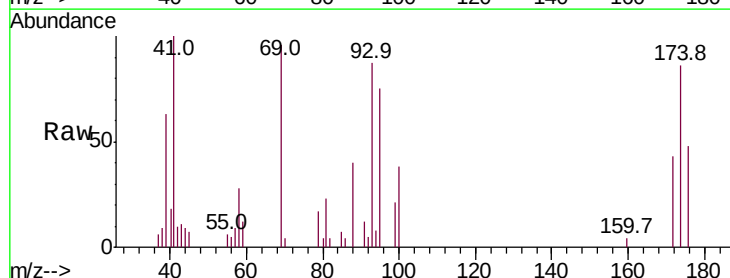
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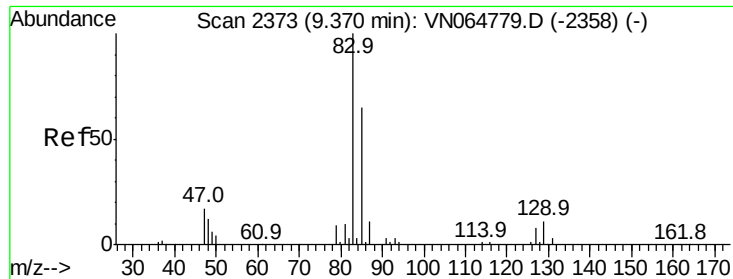
MMDadoda
 11/24/2020 3:01:06 PM



#46
 Dibromomethane
 Concen: 4.968 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion: 93 Resp: 7627
 Ion Ratio Lower Upper
 93 100
 95 82.9 68.8 103.2
 174 101.8 83.1 124.7





#47

Bromodichloromethane

Concen: 4.798 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

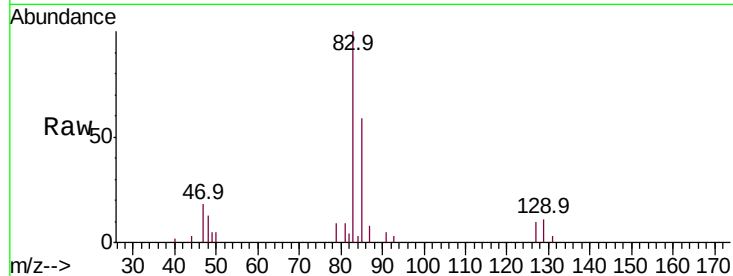
ClientSampleId :

VSTDIC005

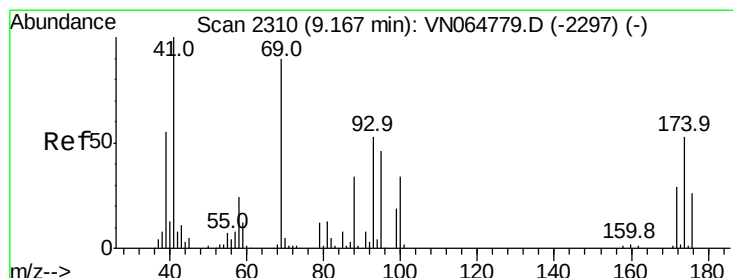
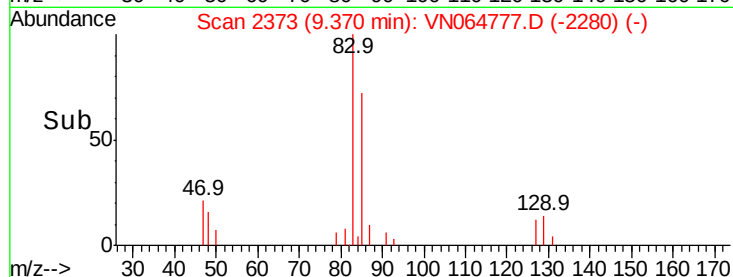
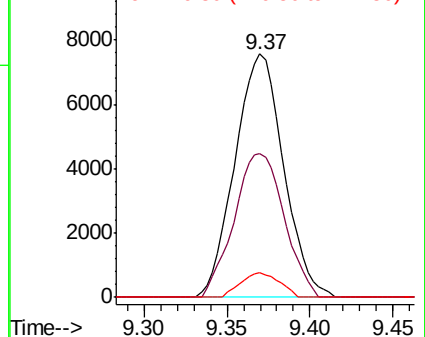
Tot Ion:	83	Resp:	15416
Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.8	77.8
127	10.0	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VN064777.D (-2358) (-)



#48

Methyl methacrylate

Concen: 4.604 ug/l

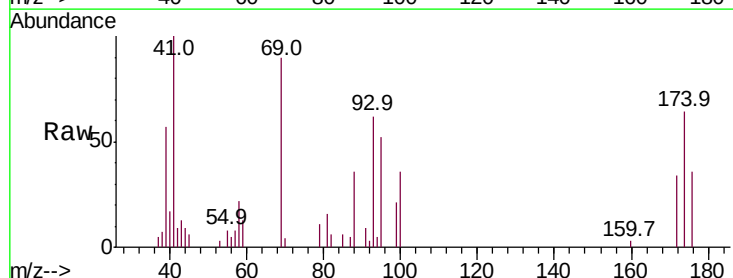
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

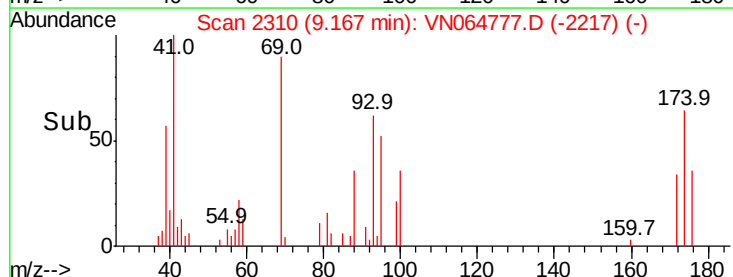
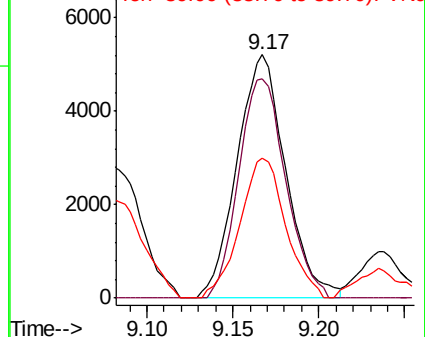
Lab File: VN064777.D

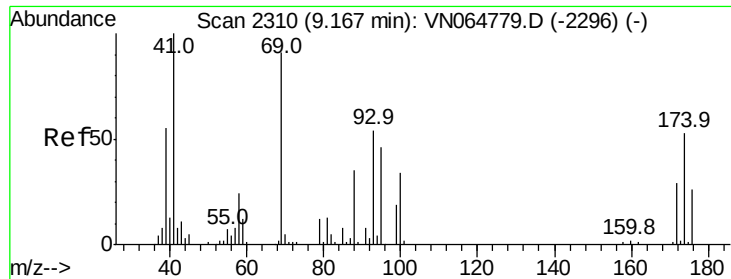
Acq: 23 Nov 2020 11:54

Tgt Ion:	41	Resp:	10273
Ion	Ratio	Lower	Upper
41	100		
69	86.9	71.8	107.8
39	53.9	44.1	66.1



Abundance Ion 41.00 (40.70 to 41.70): VN064777.D (-2297) (-)





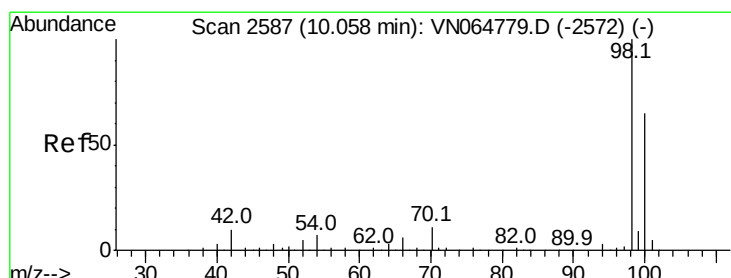
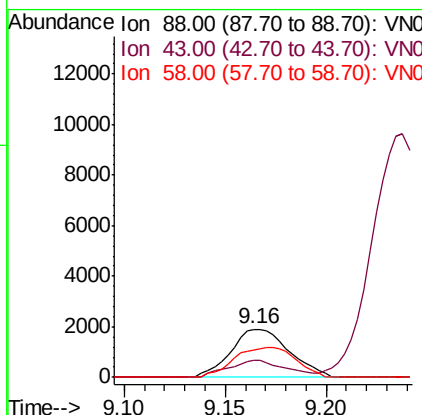
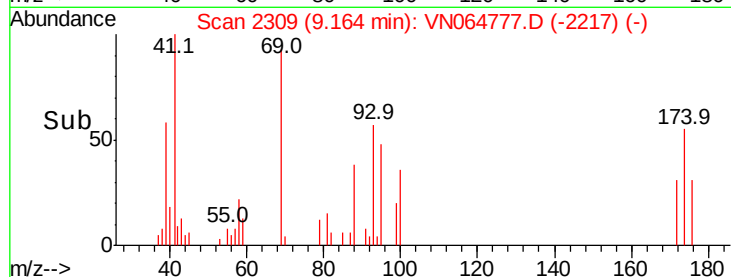
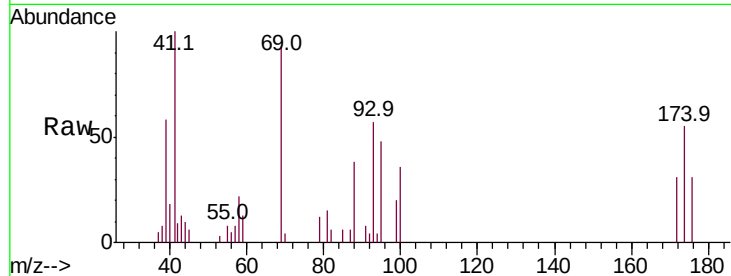
#49
1,4-Dioxane
Concen: 127.293 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	3840
Ion	Ratio	Lower	Upper
88	100		
43	34.8	24.2	36.4
58	65.8	52.5	78.7

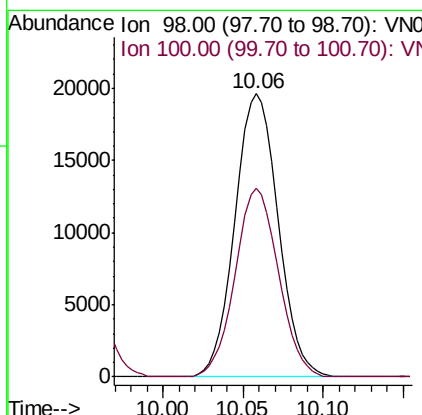
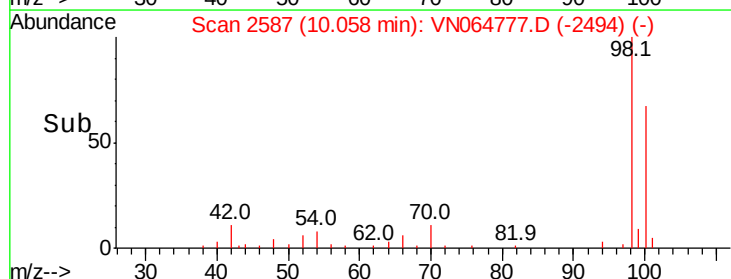
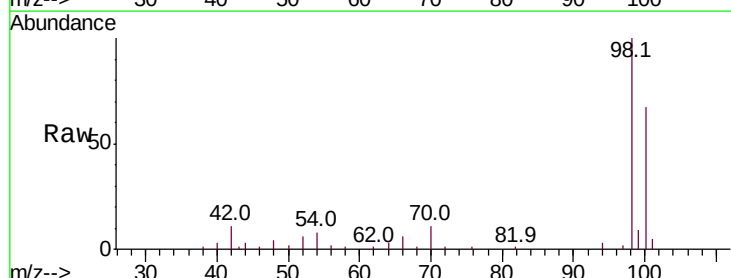
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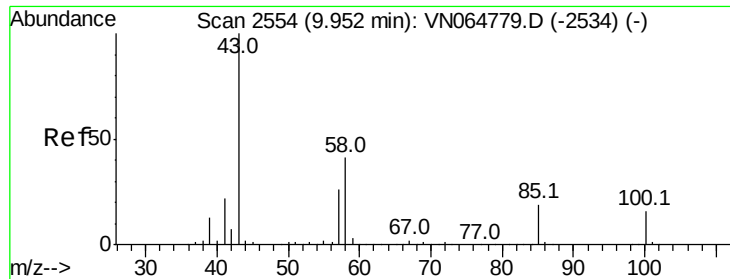
MMDadoda
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#50
Toluene-d8
Concen: 4.889 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	98	Resp	36273
Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 24.635 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 63636

Ion Ratio Lower Upper

43 100

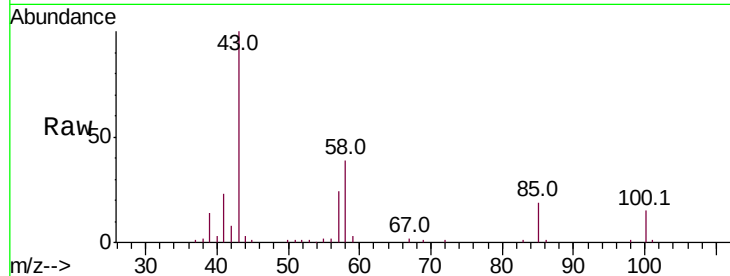
58 39.9 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN064777.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064777.D (-2534) (-)

40000

30000

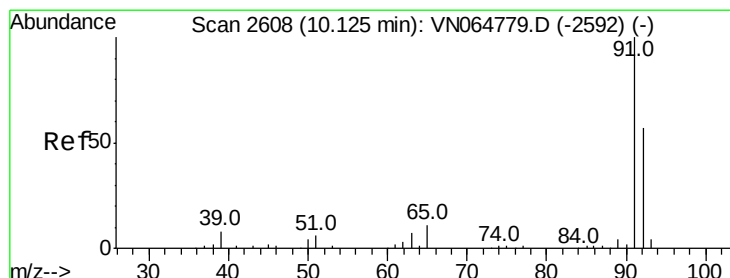
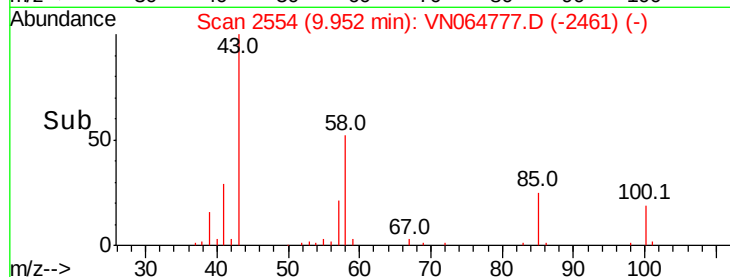
20000

10000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 5.330 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064777.D

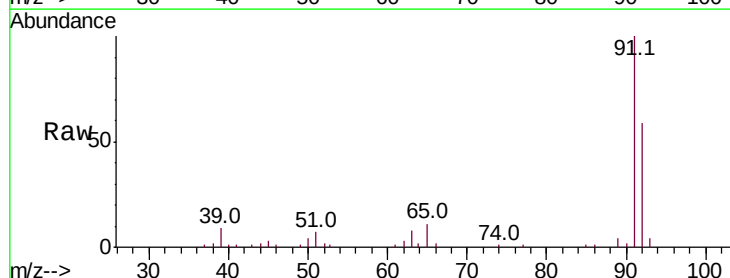
Acq: 23 Nov 2020 11:54

Tgt Ion: 92 Resp: 26991

Ion Ratio Lower Upper

92 100

91 172.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064777.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064777.D (-2515) (-)

30000

25000

20000

15000

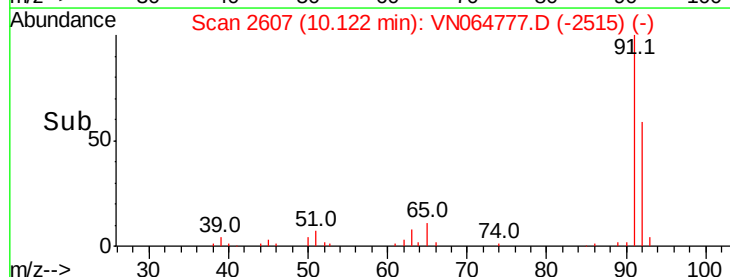
10000

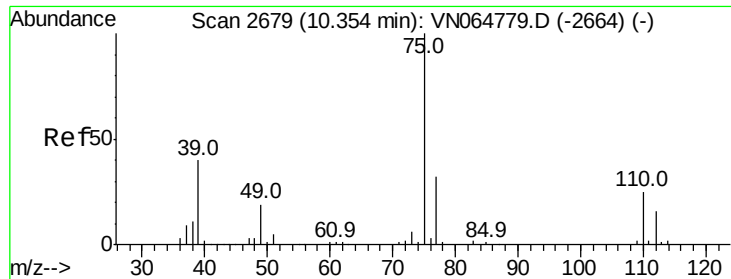
5000

0

10.05 10.10 10.15 10.20

Time-->





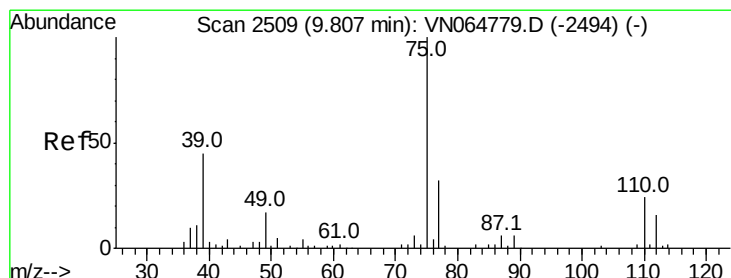
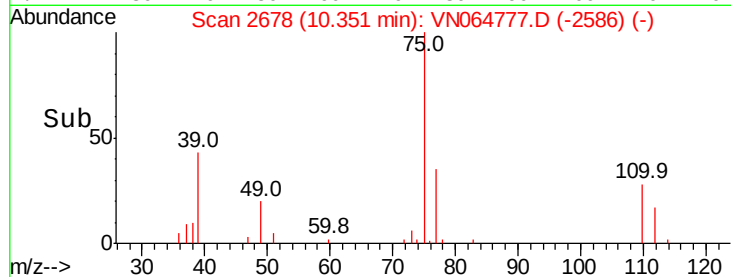
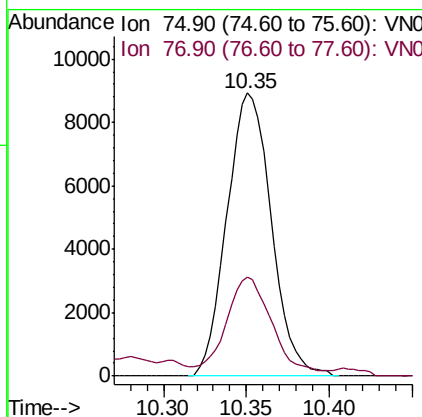
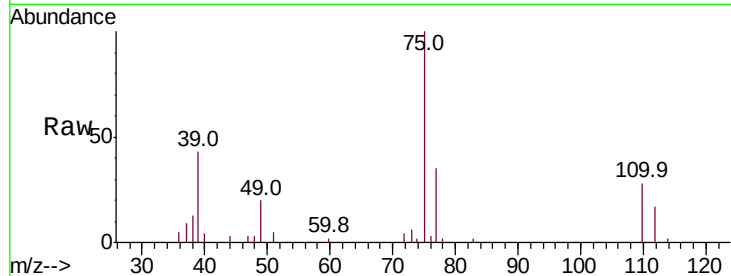
#53
t-1,3-Dichloropropene
Concen: 4.824 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 16618
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.6

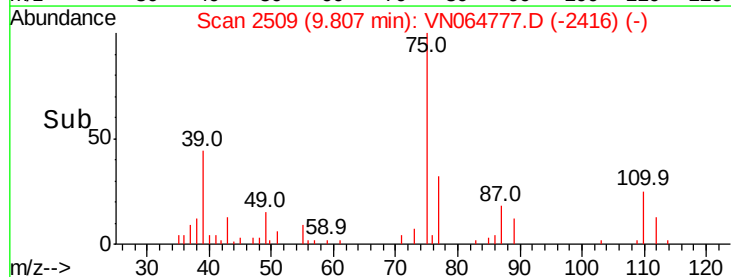
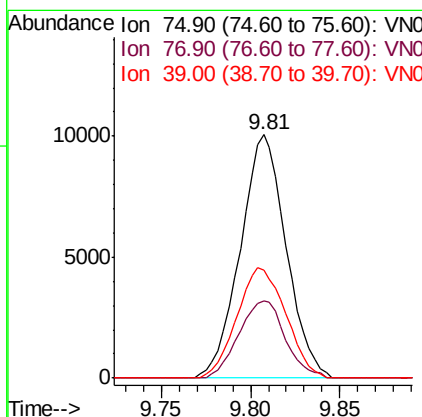
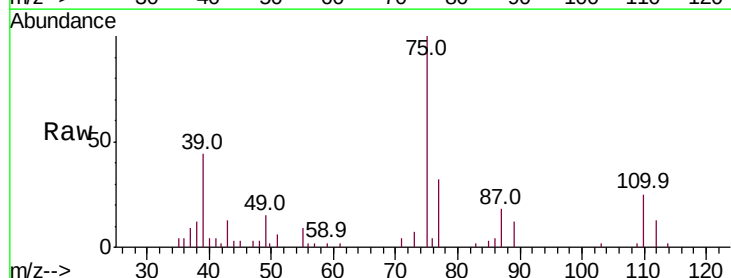
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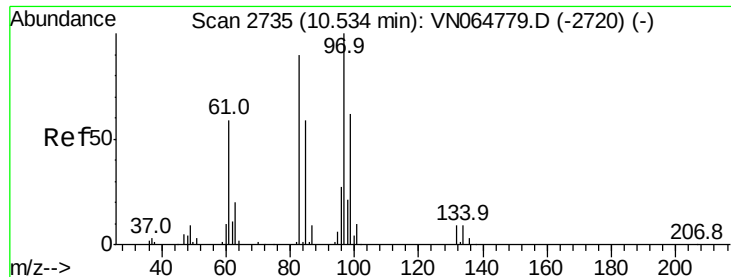
MMDadoda
11/24/2020 3:01:06 PM



#54
cis-1,3-Dichloropropene
Concen: 5.011 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 75 Resp: 18011
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 44.4 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 5.595 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

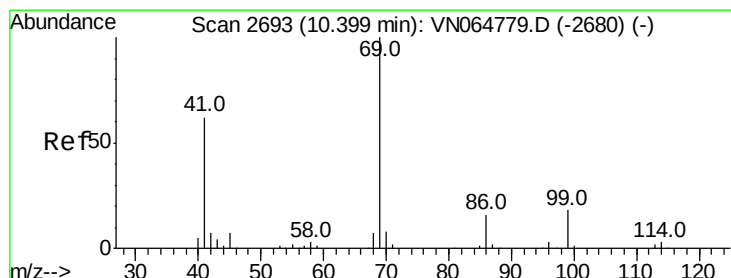
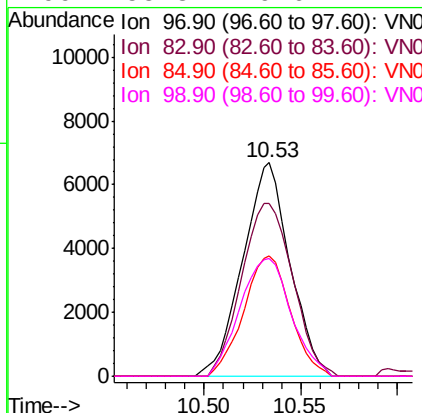
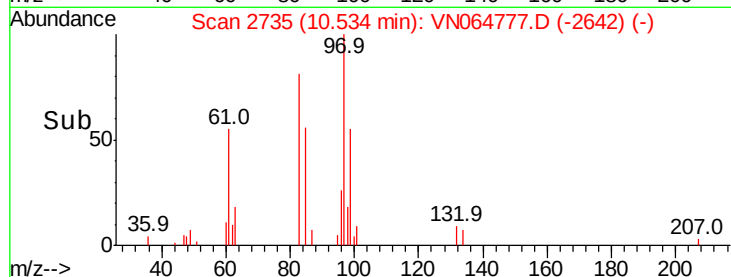
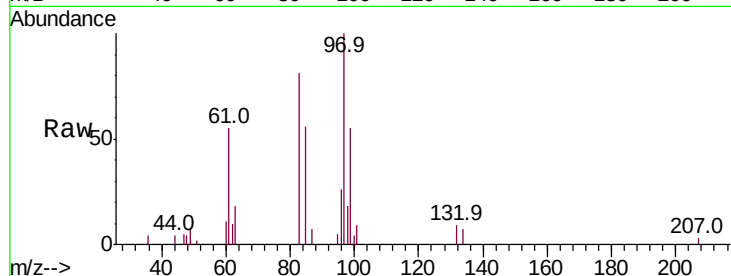
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	11361
Ion	Ratio	Lower	Upper
97	100		
83	80.9	72.1	108.1
85	56.5	46.8	70.2
99	55.3	49.6	74.4

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#56

Ethyl methacrylate

Concen: 4.989 ug/l

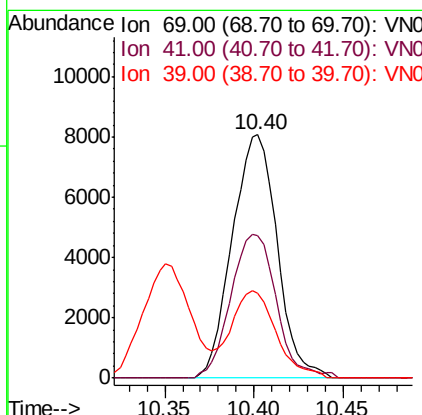
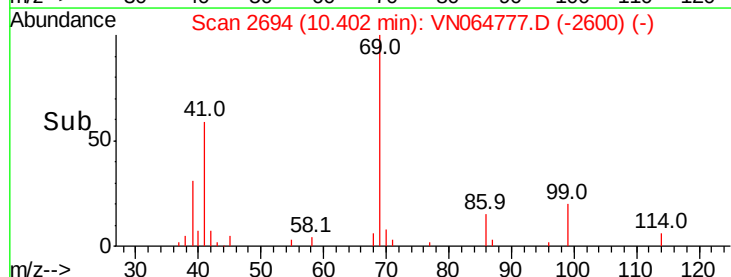
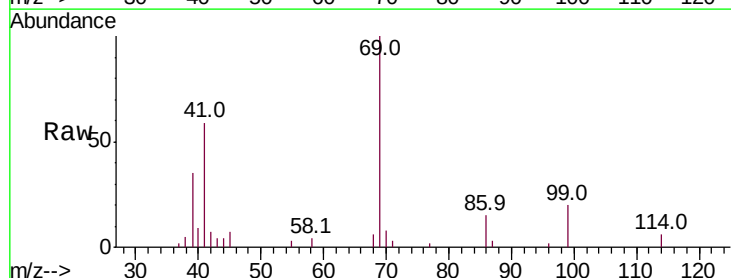
RT: 10.40 min Scan# 2694

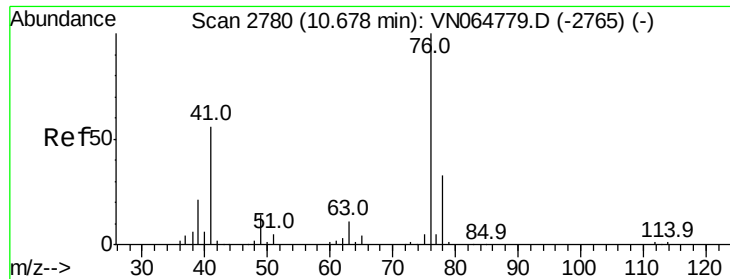
Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Tgt Ion:	69	Resp:	14139
Ion	Ratio	Lower	Upper
69	100		
41	59.9	49.4	74.0
39	36.4	25.9	38.9





#57

1,3-Dichloropropane

Concen: 5.144 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 18080

Ion Ratio Lower Upper

76 100

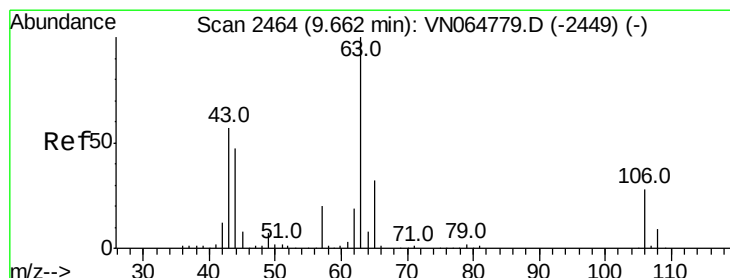
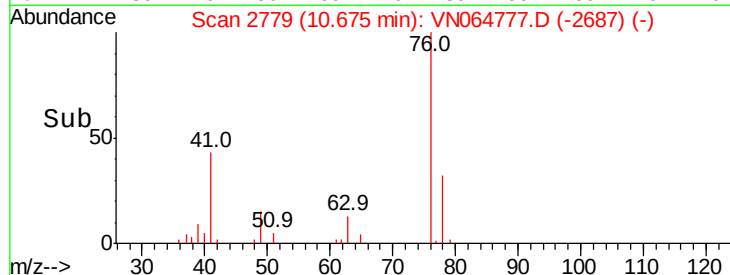
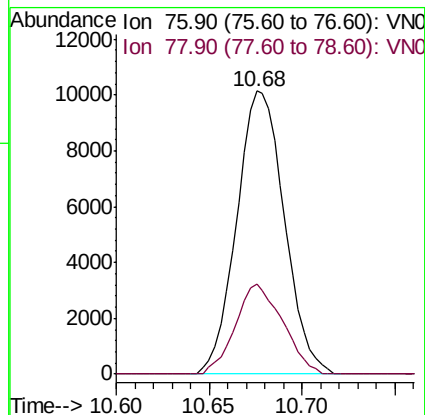
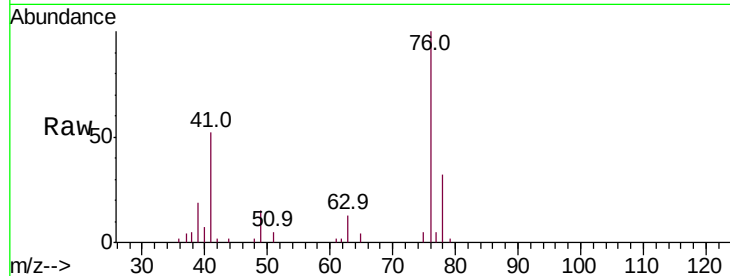
78 31.4 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 24.099 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN064777.D

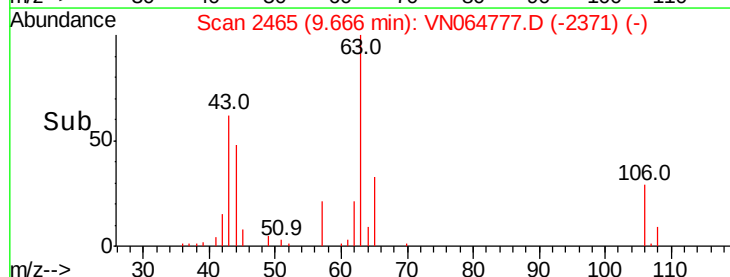
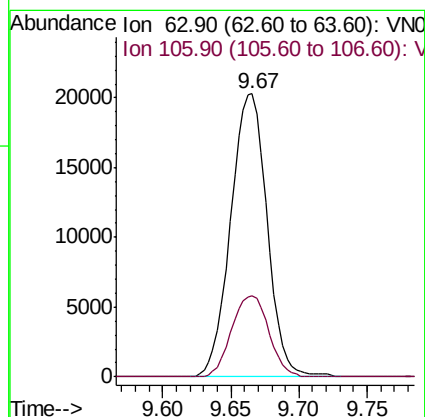
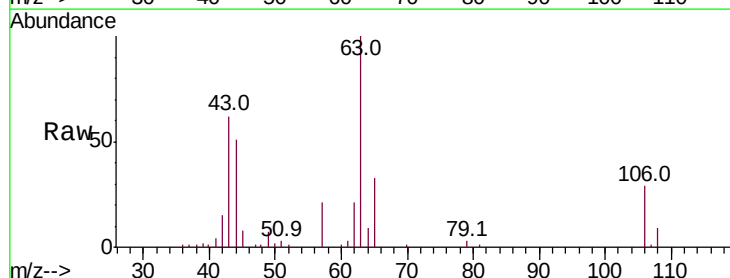
Acq: 23 Nov 2020 11:54

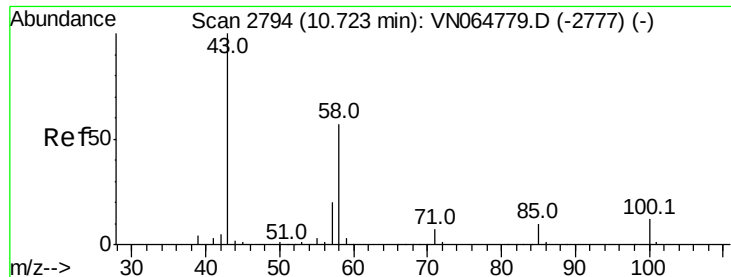
Tgt Ion: 63 Resp: 37651

Ion Ratio Lower Upper

63 100

106 29.1 22.7 34.1





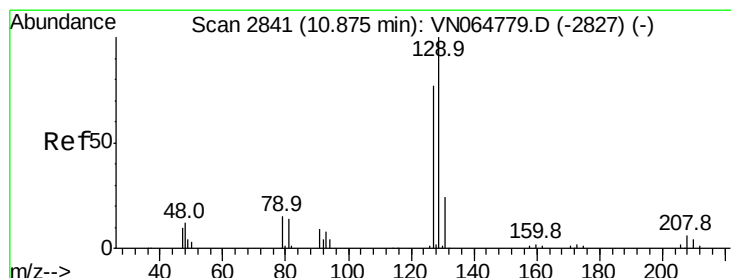
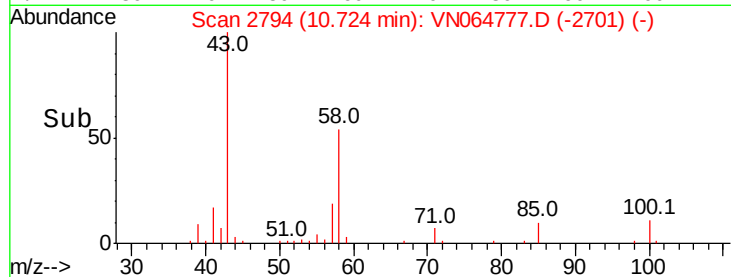
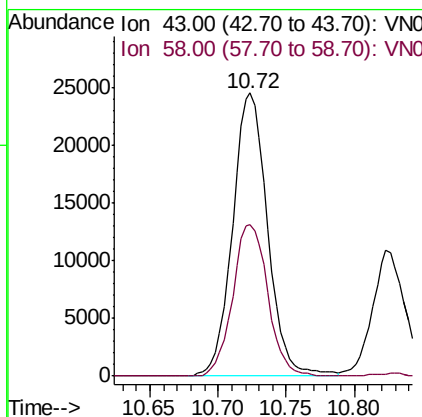
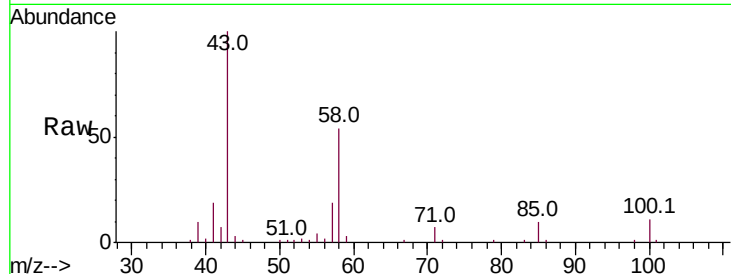
#59
2-Hexanone
Concen: 23.481 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 43798
Ion Ratio Lower Upper
43 100
58 53.7 28.3 84.9

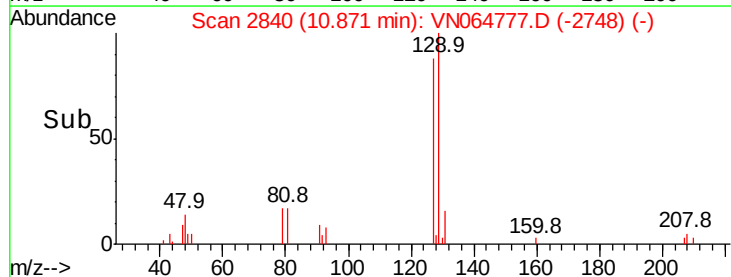
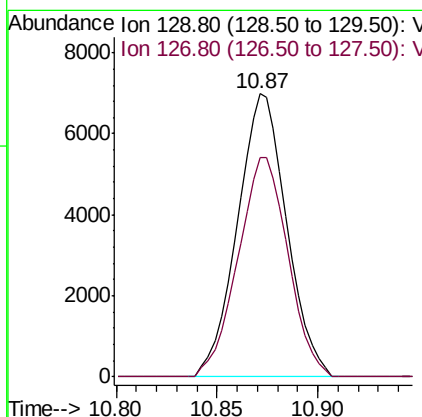
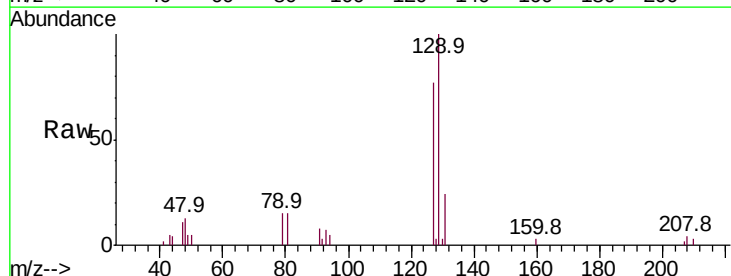
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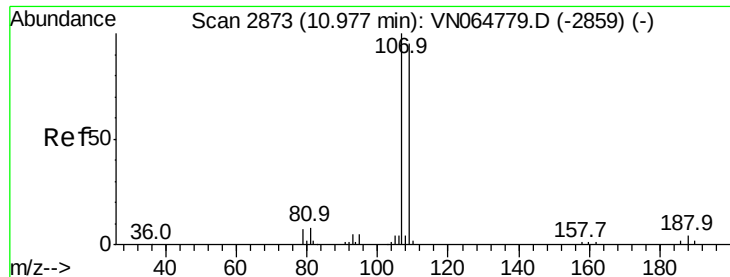
MMDadoda
11/24/2020 3:01:06 PM



#60
Dibromochloromethane
Concen: 5.062 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 129 Resp: 11921
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 5.197 ug/l

RT: 10.98 min Scan# 2874

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 11278

Ion Ratio Lower Upper

107 100

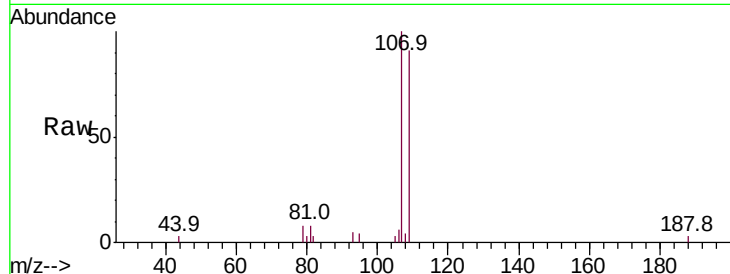
109 98.0 76.0 114.0

Manual Integrations

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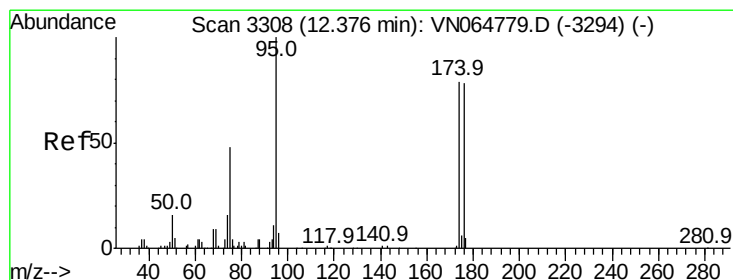
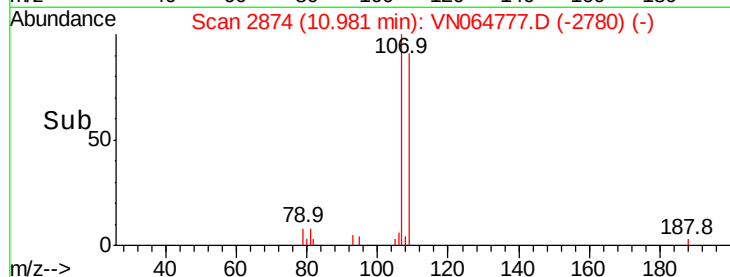
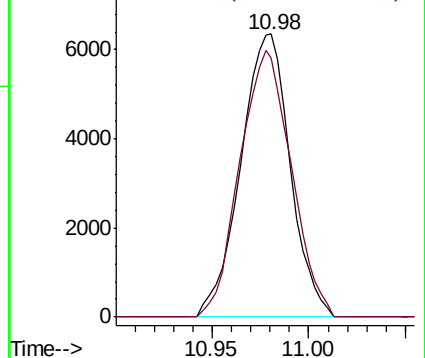
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.568 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

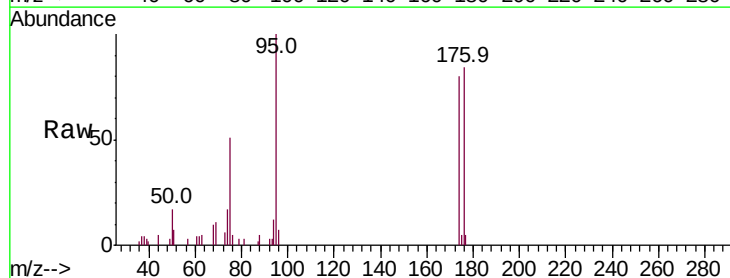
Tgt Ion: 95 Resp: 12533

Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.4

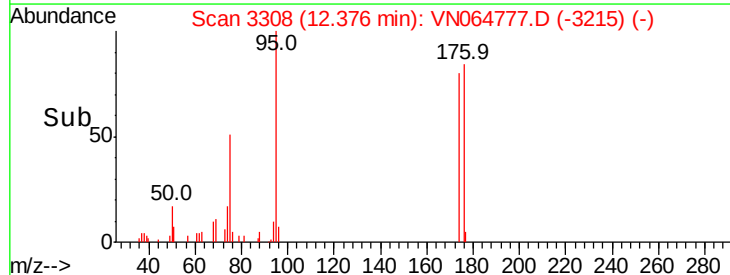
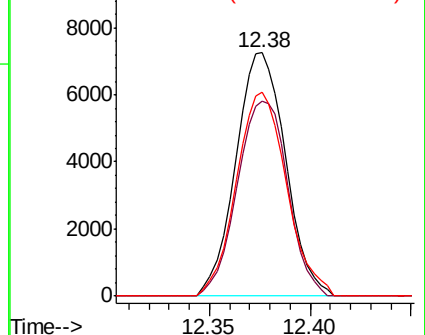
176 84.5 0.0 158.4

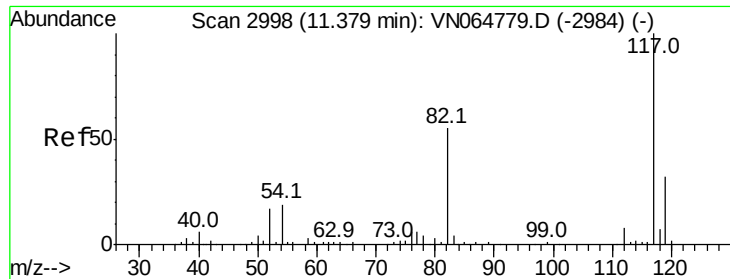


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





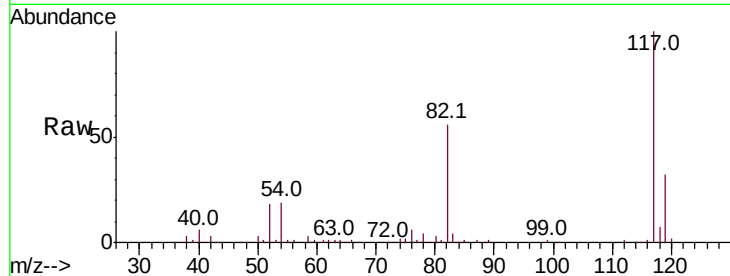
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.2
119	32.2	25.8	38.6

Manual Integrations
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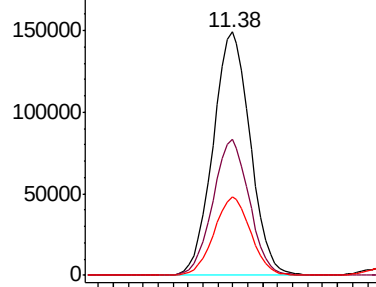


Abundance

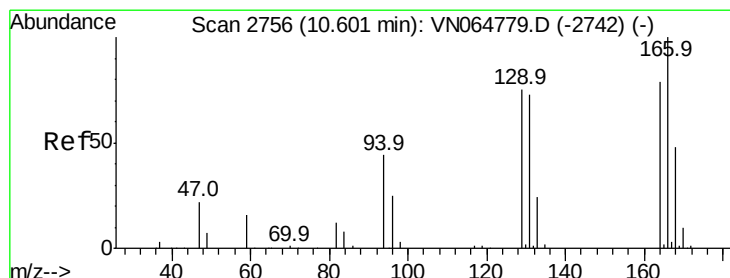
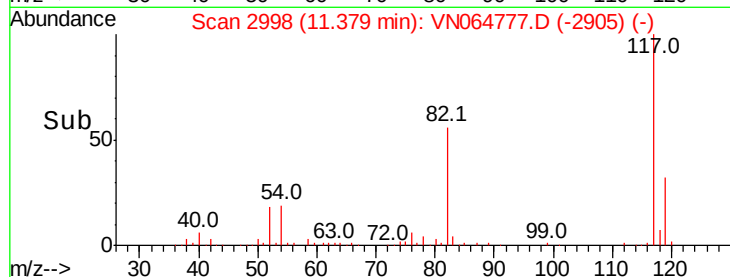
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#64
Tetrachloroethene
Concen: 6.489 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.4	152.0
129	87.7	76.1	114.1
131	92.1	74.2	111.2

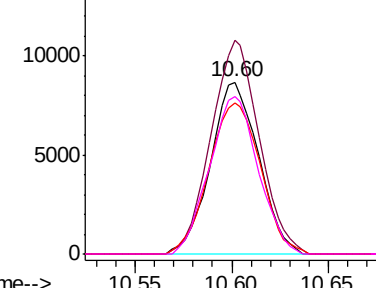
Abundance

Ion 163.80 (163.50 to 164.50): V

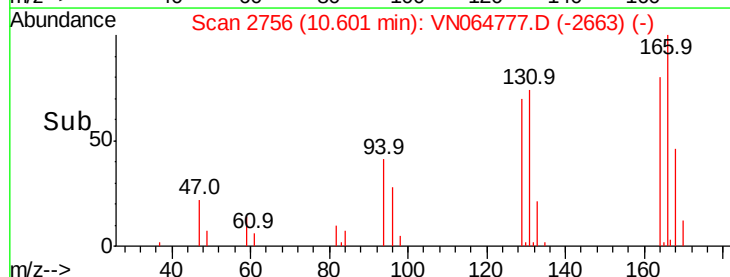
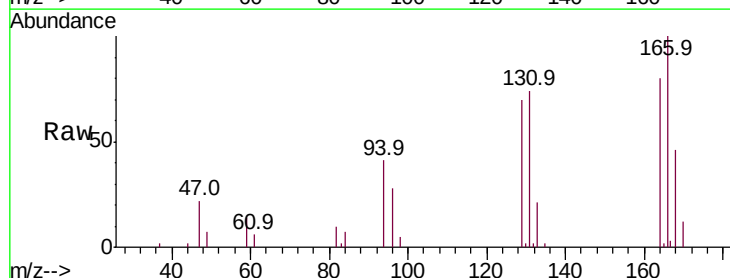
Ion 165.80 (165.50 to 166.50): V

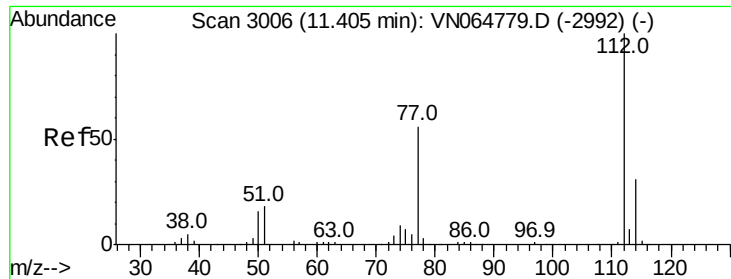
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->





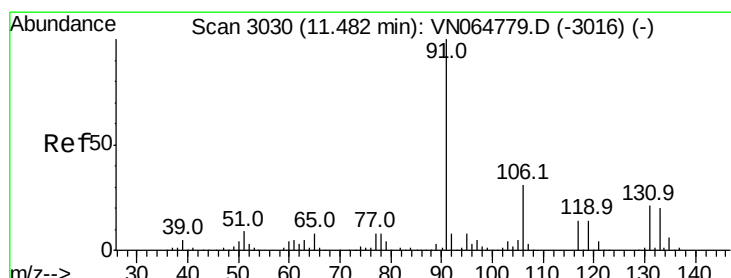
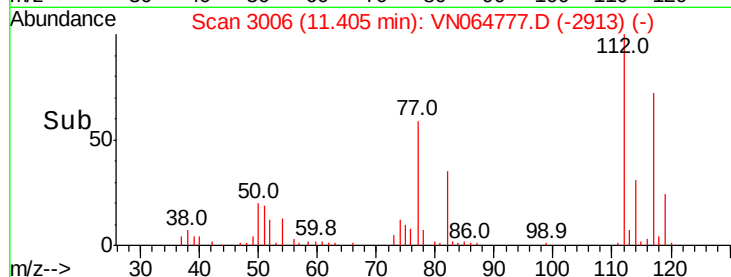
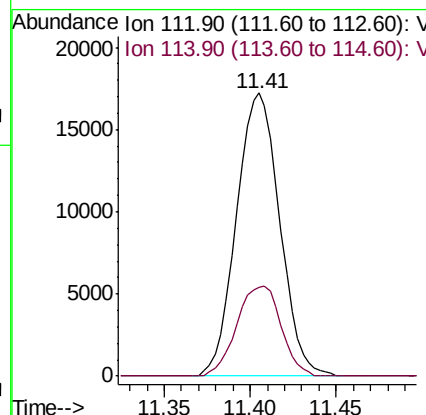
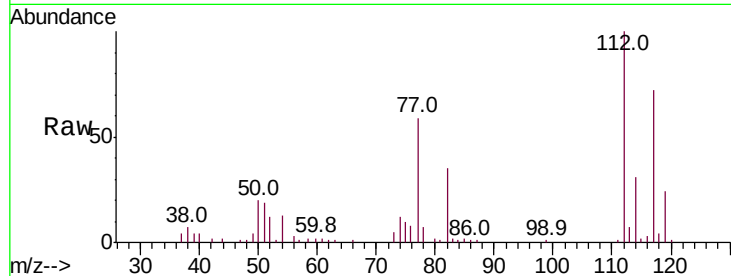
#65
Chlorobenzene
Concen: 5.548 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 30152
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

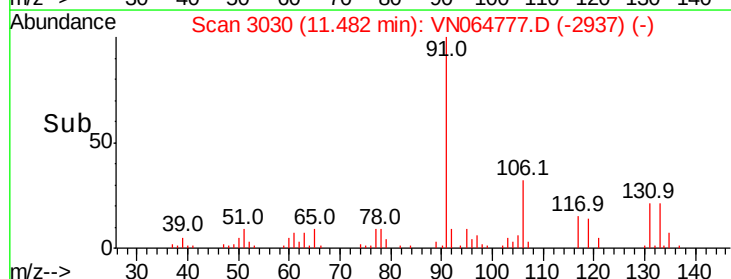
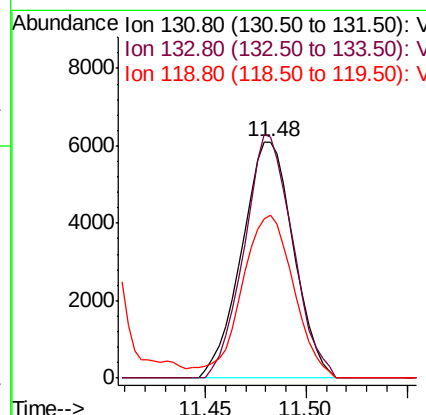
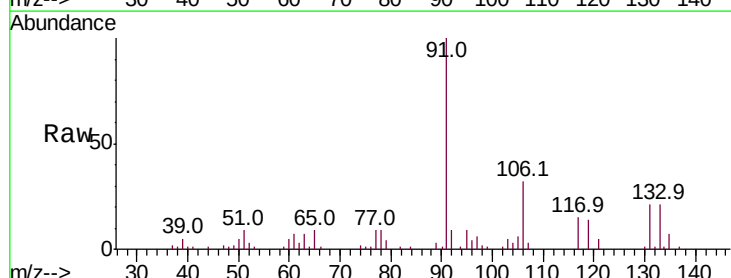
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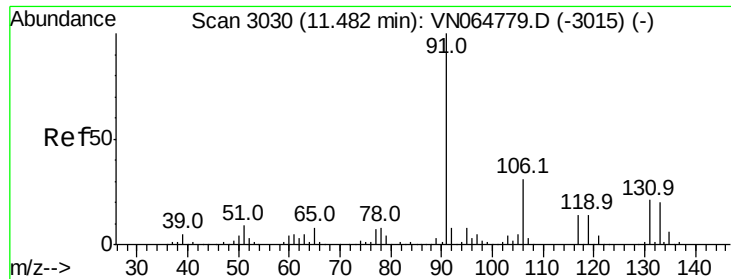
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.359 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion:131 Resp: 10934
Ion Ratio Lower Upper
131 100
133 96.9 47.5 142.5
119 69.8 33.3 99.8





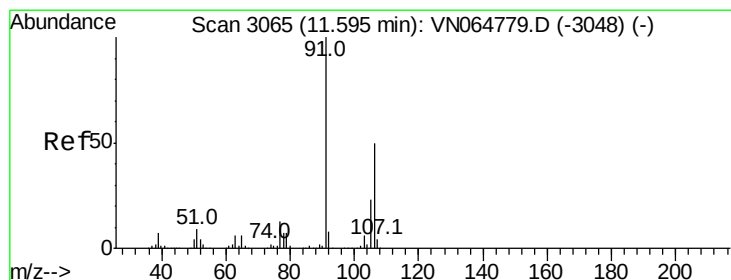
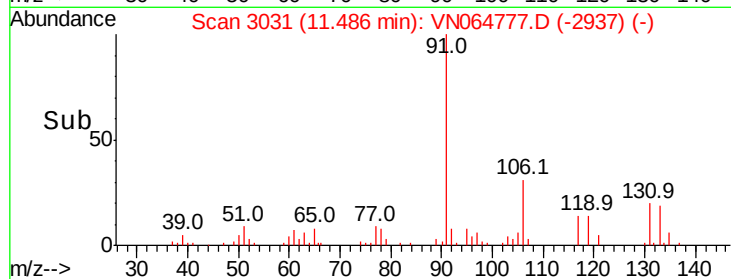
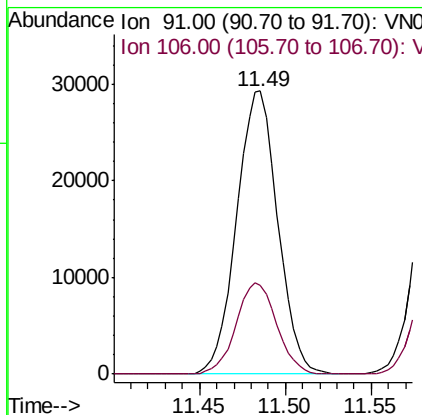
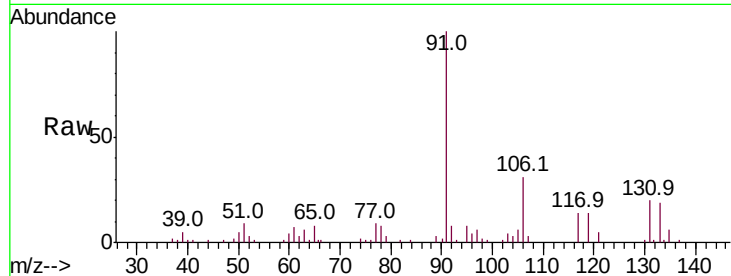
#67
Ethyl Benzene
Concen: 5.109 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 48694
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8

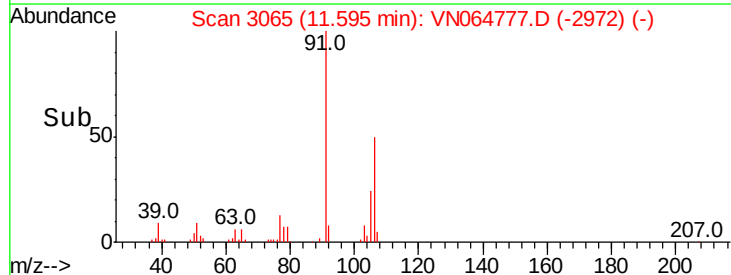
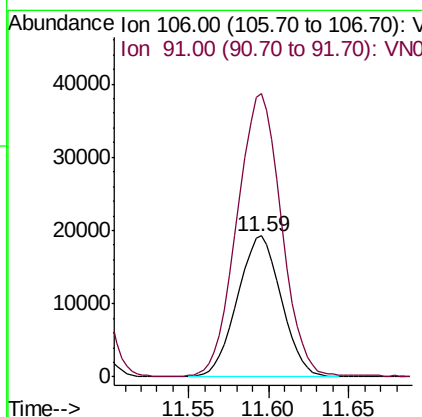
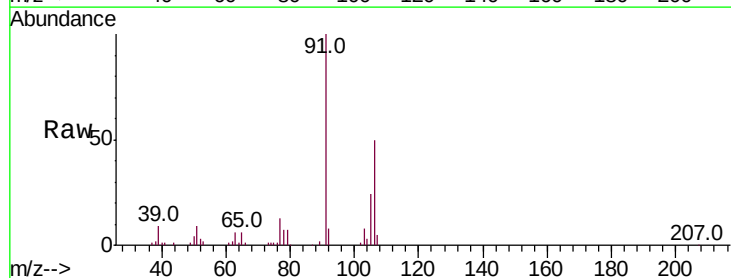
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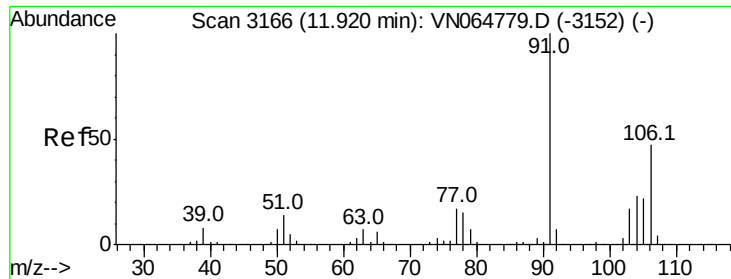
MMDadoda
11/24/2020 3:01:06 PM



#68
m/p-Xylenes
Concen: 10.486 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 106 Resp: 36122
Ion Ratio Lower Upper
106 100
91 203.8 161.0 241.4





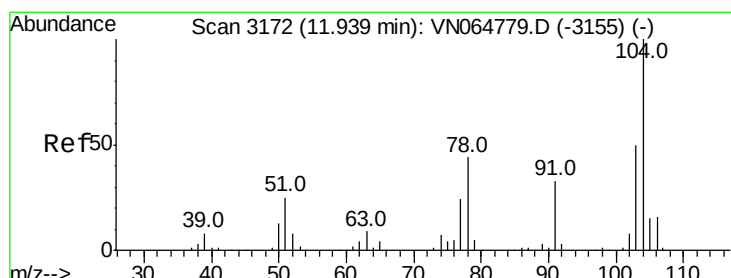
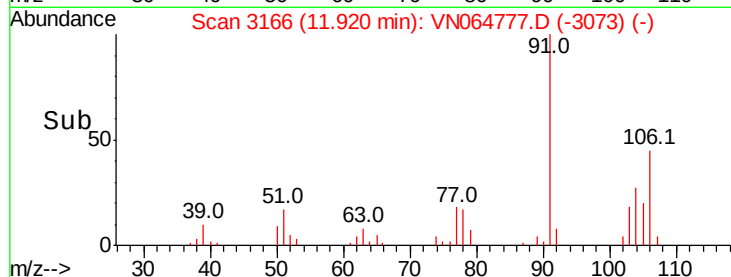
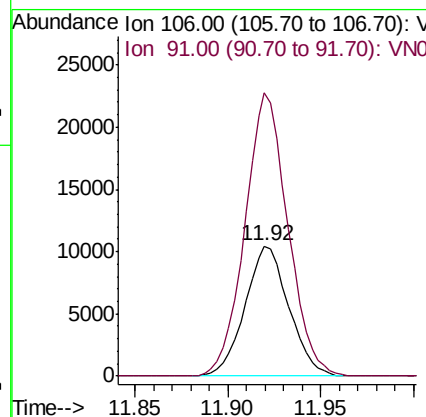
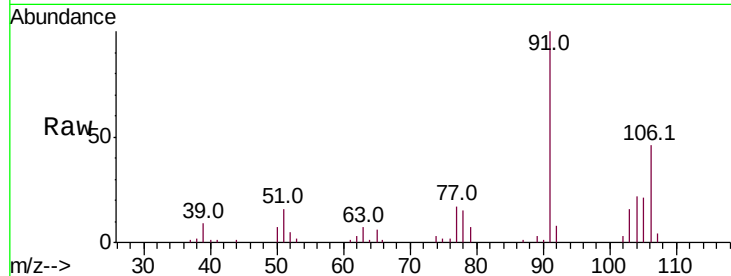
#69
o-Xylene
Concen: 5.104 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 17069
Ion Ratio Lower Upper
106 100
91 213.6 105.5 316.5

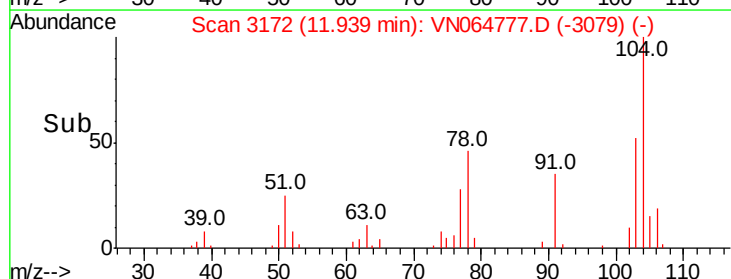
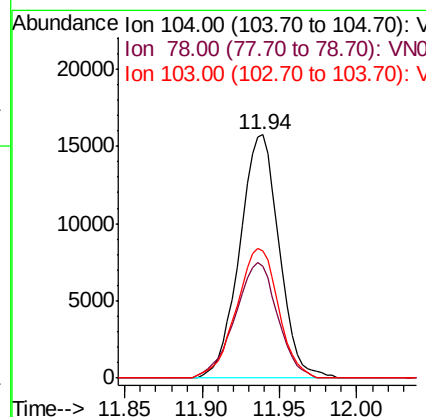
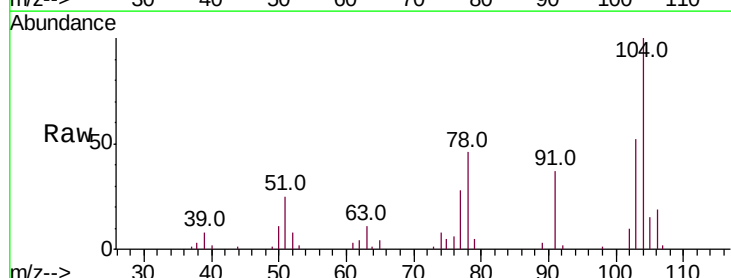
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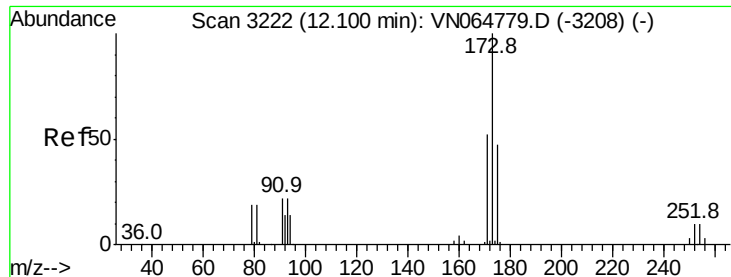
MMDadoda
11/24/2020 3:01:06 PM



#70
Styrene
Concen: 4.947 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion:104 Resp: 28010
Ion Ratio Lower Upper
104 100
78 50.9 39.0 58.6
103 56.7 44.3 66.5





#71

Bromoform

Concen: 5.994 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 8585

Ion Ratio Lower Upper

173 100

175 44.5 24.3 72.8

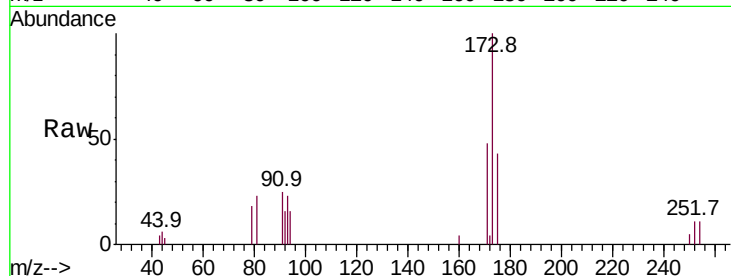
254 0.0 0.0 0.0

Manual Integrations

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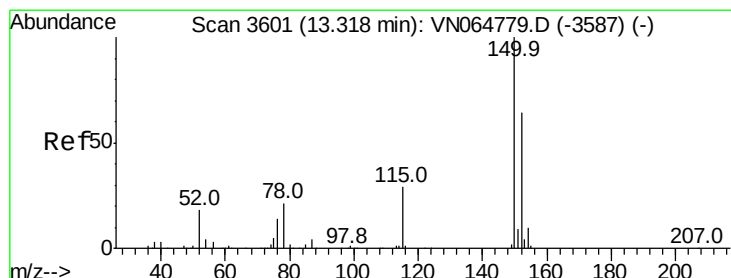
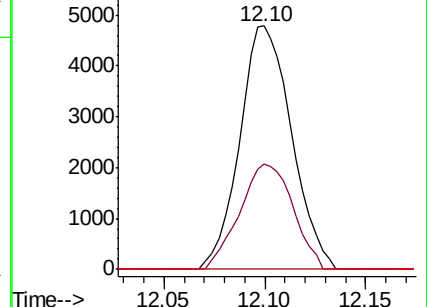
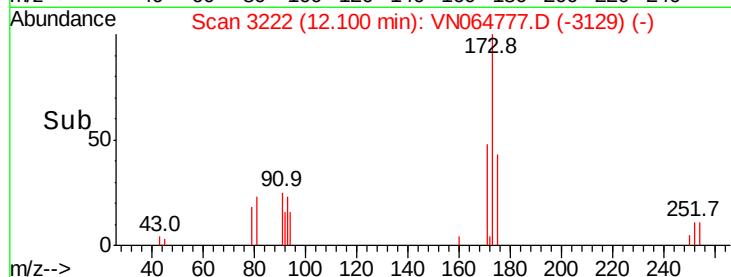
11/24/2020 3:01:06 PM



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# 3601

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

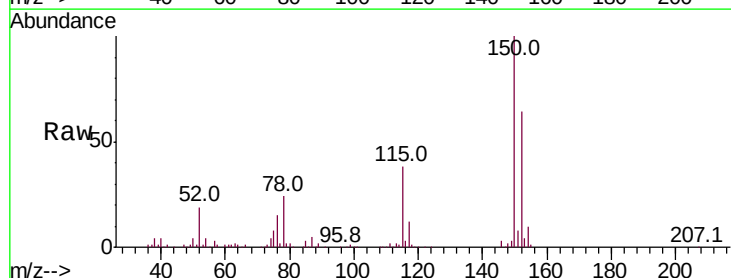
Tgt Ion:152 Resp: 124791

Ion Ratio Lower Upper

152 100

115 59.2 29.7 89.1

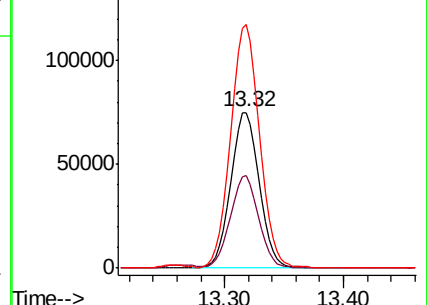
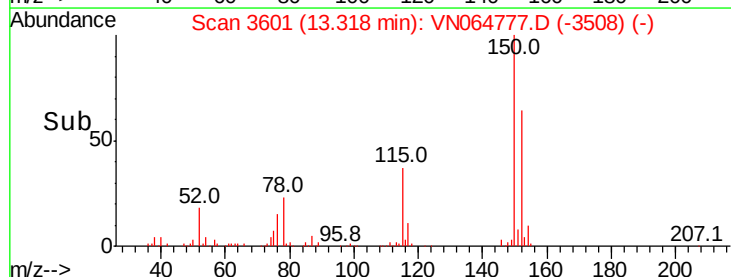
150 157.8 0.0 350.6

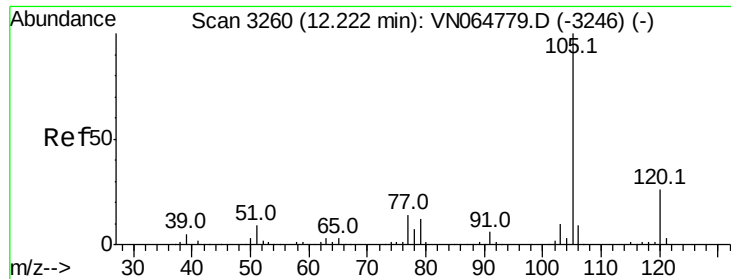


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





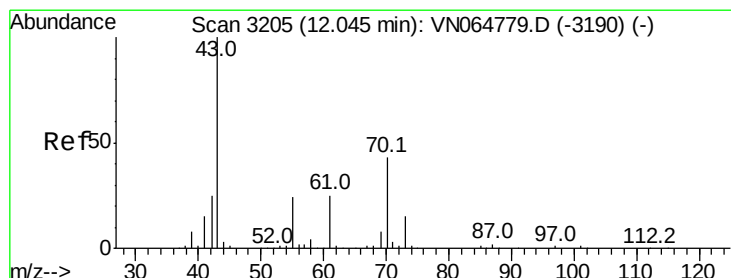
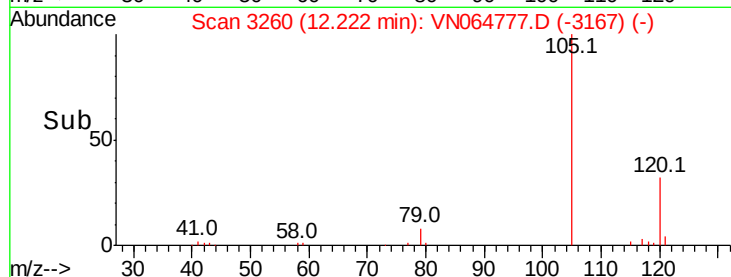
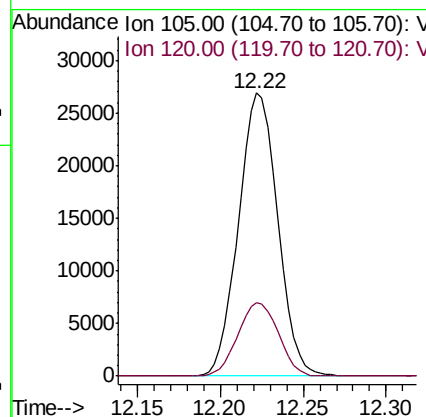
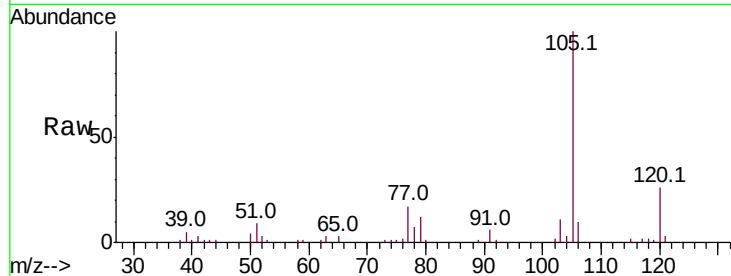
#73
Isopropylbenzene
Concen: 5.021 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:105 Resp: 44273
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

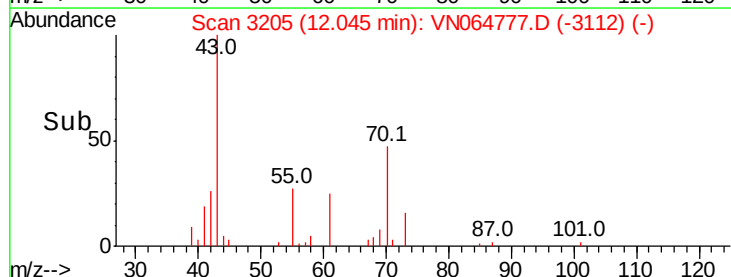
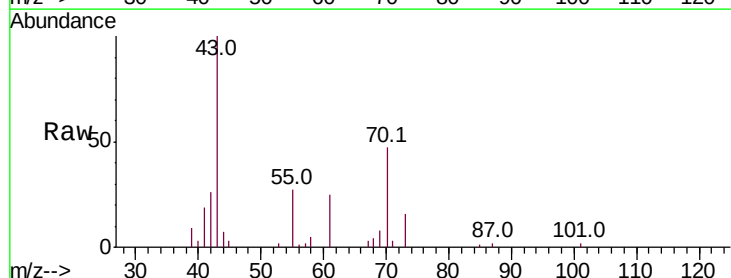
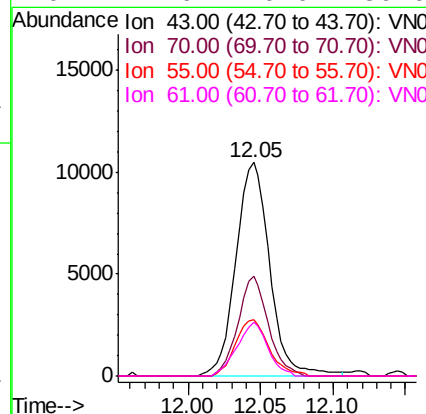
Manual Integrations
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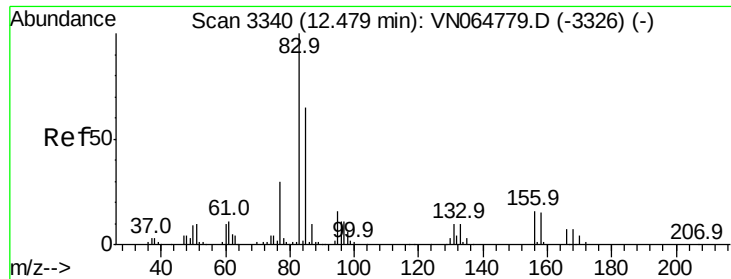
MMDadoda
11/24/2020 3:01:06 PM



#74
N-ethyl acetate
Concen: 4.244 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 43 Resp: 17031
Ion Ratio Lower Upper
43 100
70 41.5 34.5 51.7
55 26.0 20.4 30.6
61 22.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.751 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

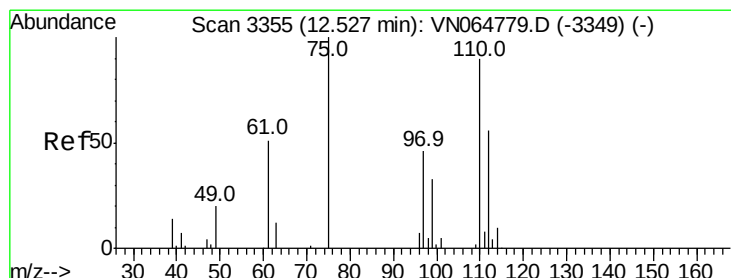
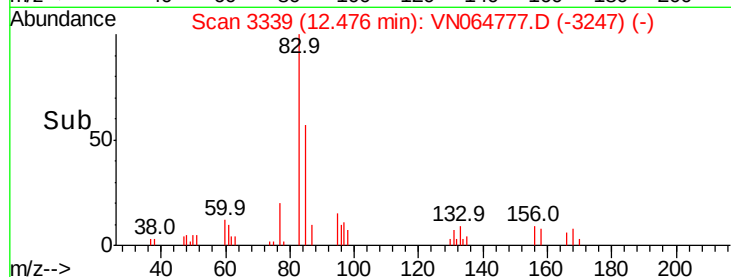
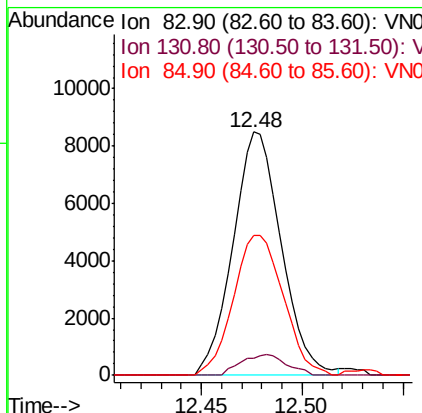
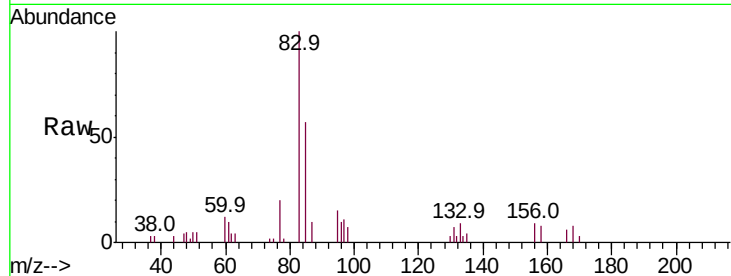
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14245
Ion Ratio	Lower	Upper	
83	100		
131	8.1	5.1	15.3
85	59.5	33.0	99.0

Manual Integrations
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11/24/2020 3:01:06 PM



#76

1,2,3-Trichloropropane

Concen: 5.168 ug/l m

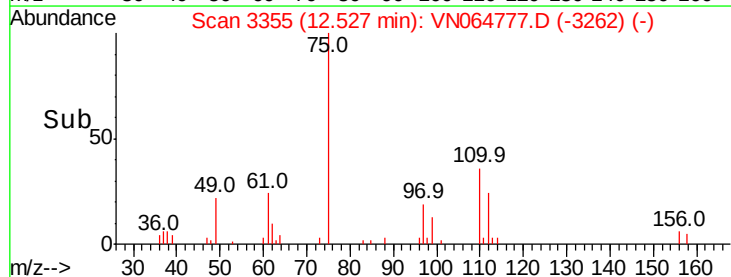
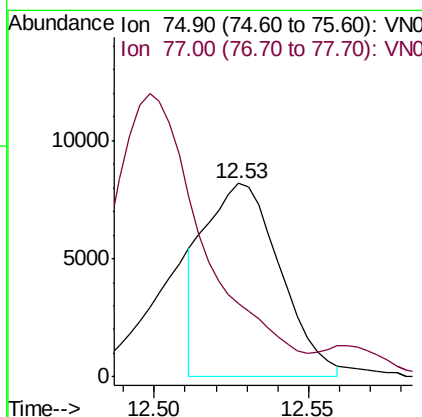
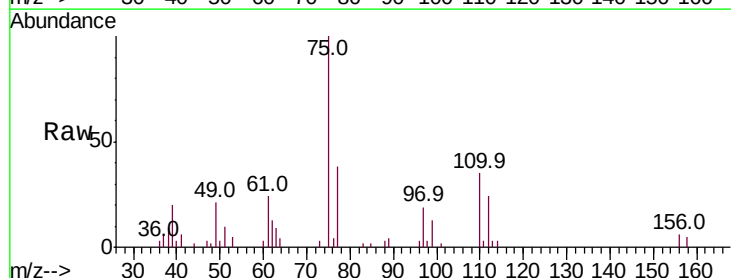
RT: 12.53 min Scan# 3355

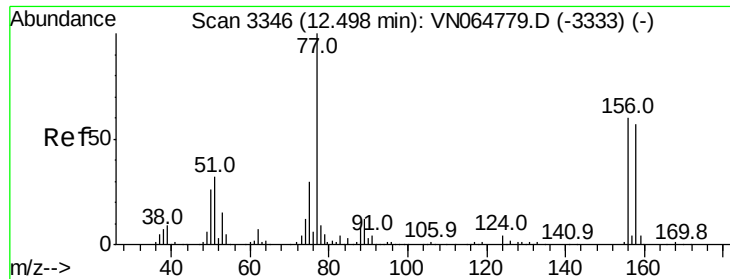
Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Tgt Ion:	75	Resp:	13836
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.557 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 12458

Ion Ratio Lower Upper

156 100

77 204.6 101.3 303.7

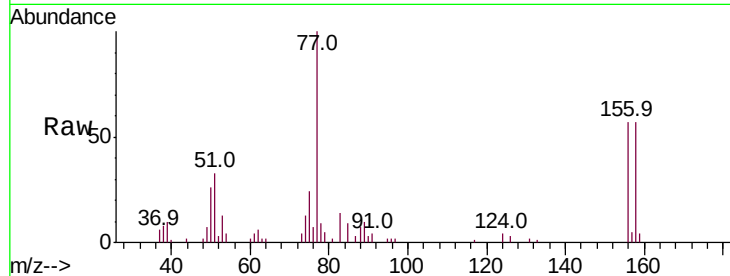
158 91.6 48.2 144.6

Manual Integrations

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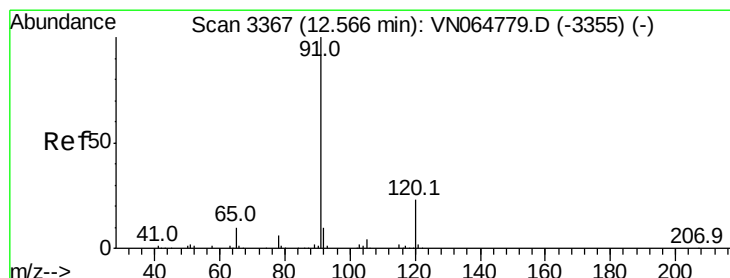
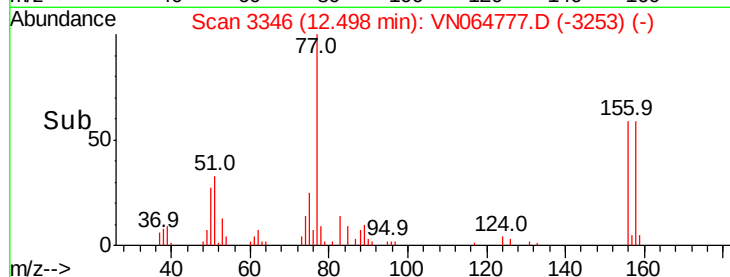
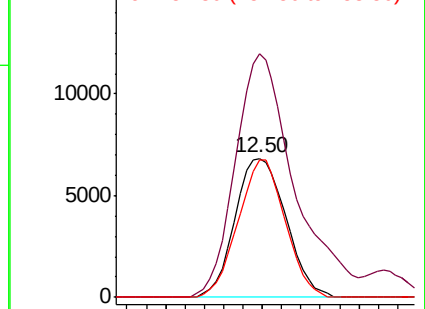
11/24/2020 3:01:06 PM



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: 4.941 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064777.D

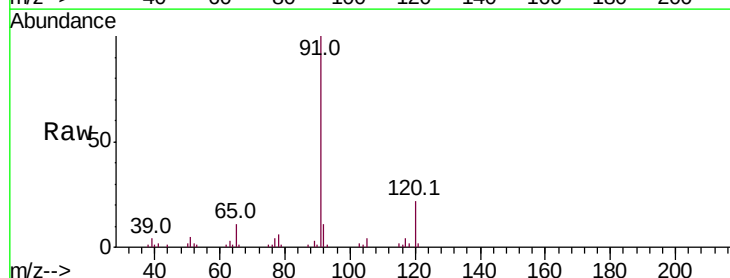
Acq: 23 Nov 2020 11:54

Tgt Ion: 91 Resp: 50562

Ion Ratio Lower Upper

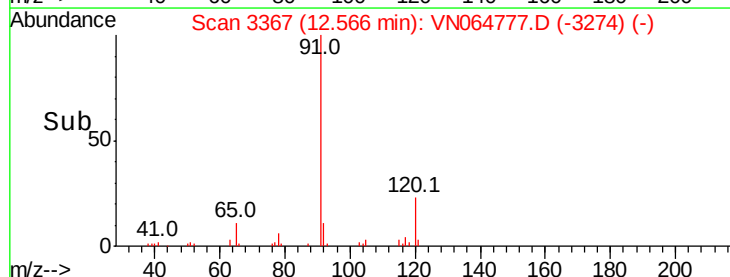
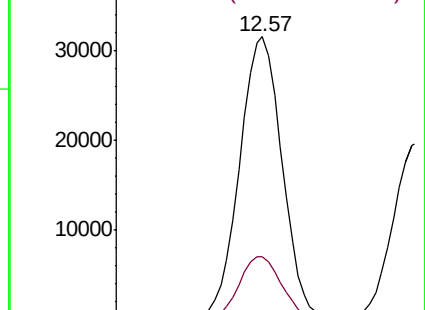
91 100

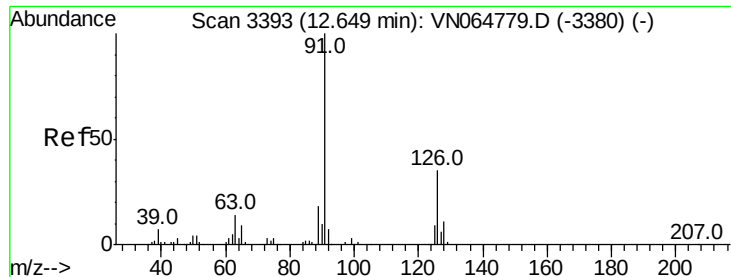
120 22.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.990 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 32490

Ion Ratio Lower Upper

91 100

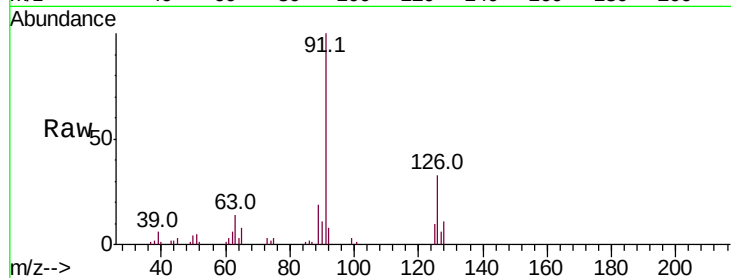
126 33.2 17.2 51.6

Manual Integrations

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MMDadoda

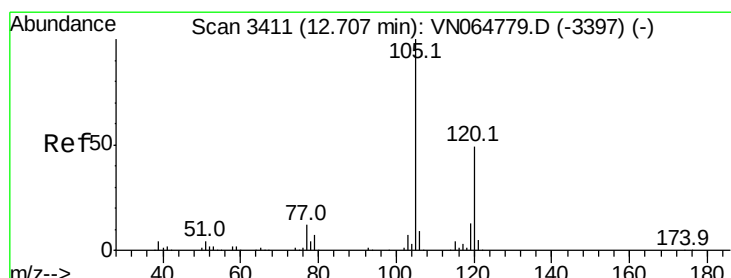
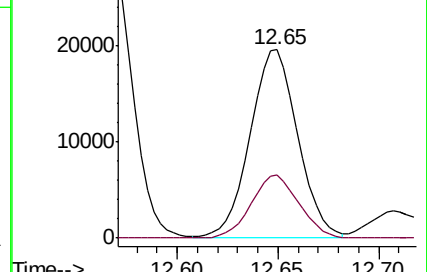
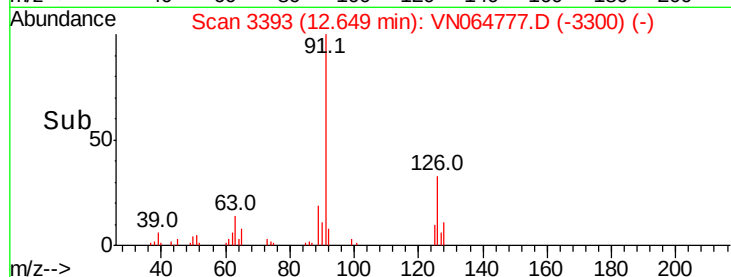
11/24/2020 3:01:06 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064777.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064777.D (-3380) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.065 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064777.D

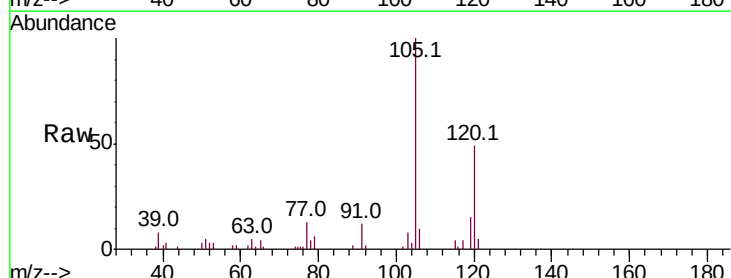
Acq: 23 Nov 2020 11:54

Tgt Ion: 105 Resp: 37056

Ion Ratio Lower Upper

105 100

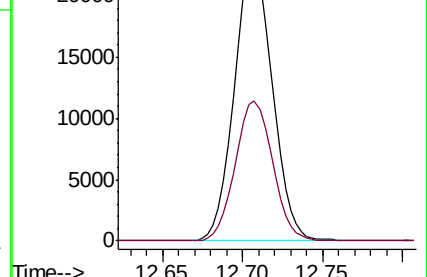
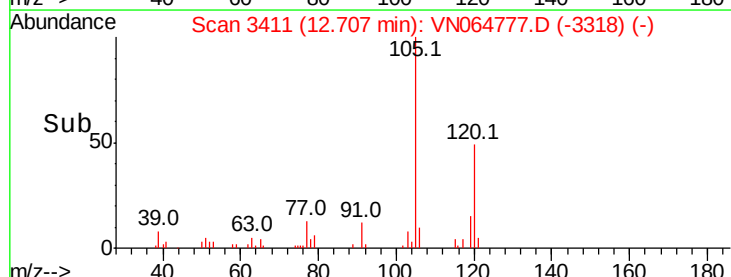
120 48.9 24.6 73.6

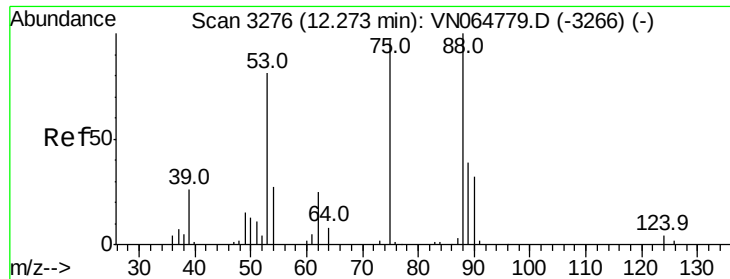


Abundance Ion 105.00 (104.70 to 105.70): VN064777.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064777.D (-3397) (-)

Time-->





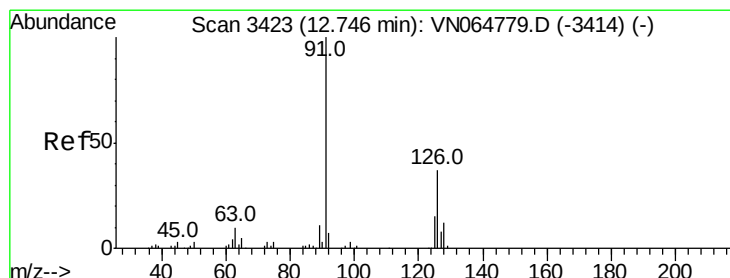
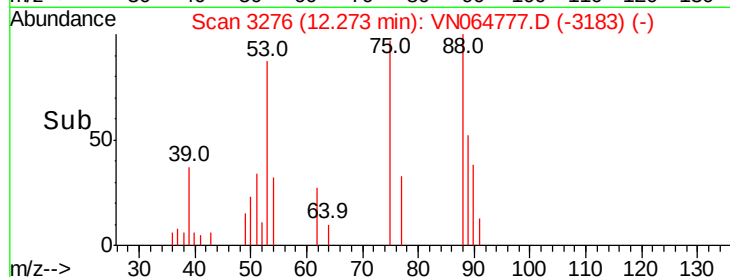
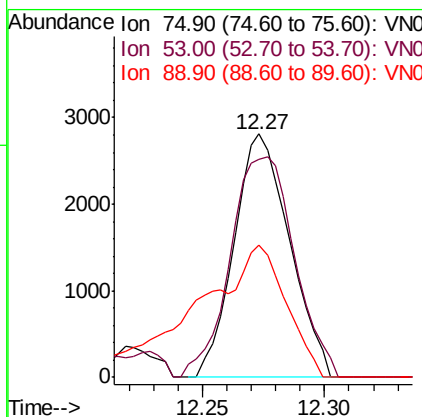
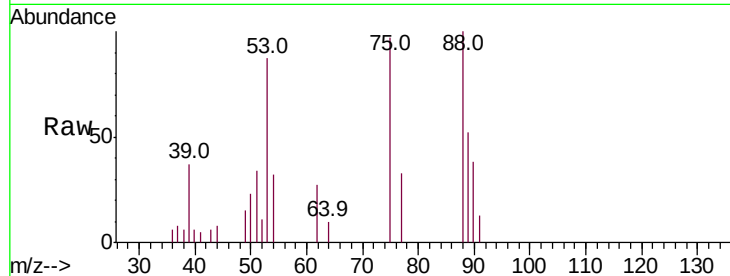
#81
trans-1,4-Dichloro-2-butene
Concen: 4.578 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 4434
Ion Ratio Lower Upper
75 100
53 105.1 67.0 100.4#
89 88.9 39.6 59.4#

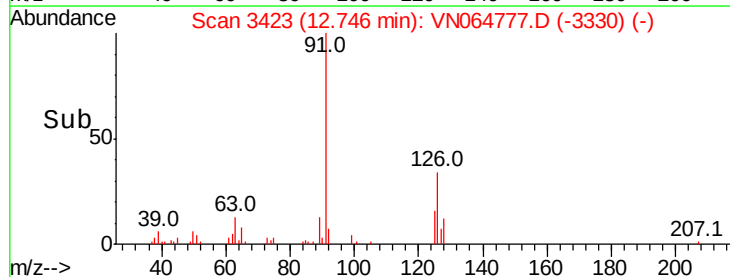
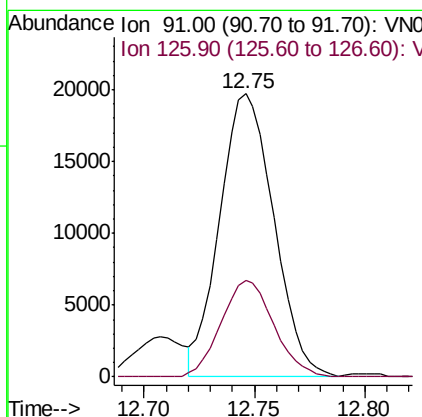
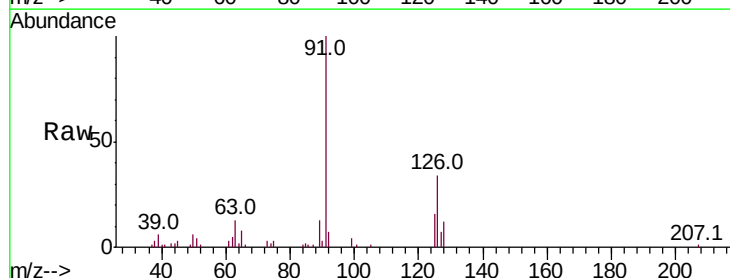
Manual Integrations
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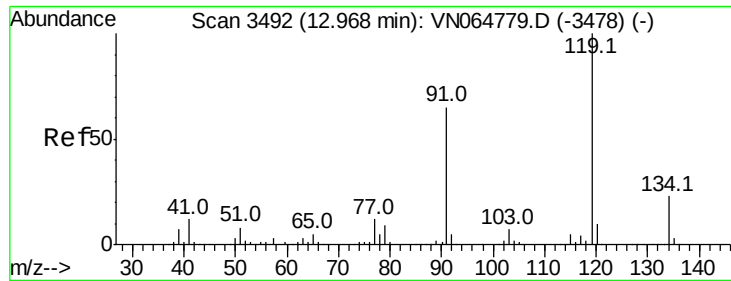
MMDadoda
11/24/2020 3:01:06 PM



#82
4-Chlorotoluene
Concen: 4.851 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion: 91 Resp: 33527
Ion Ratio Lower Upper
91 100
126 33.3 16.9 50.7





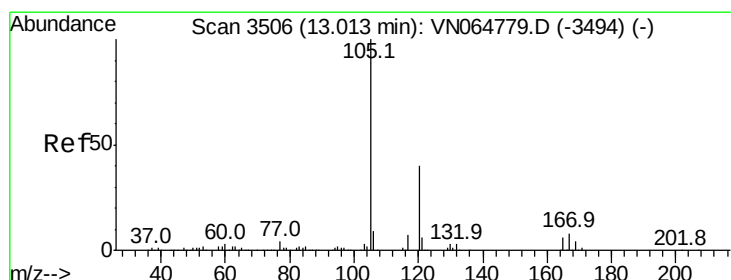
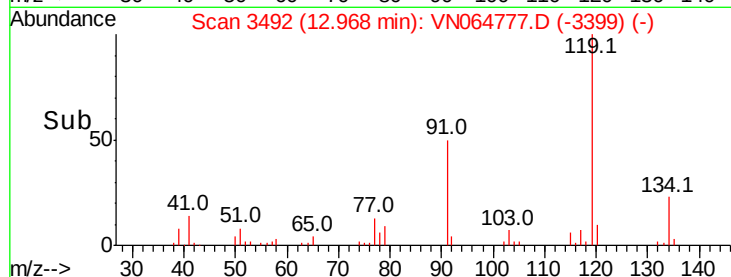
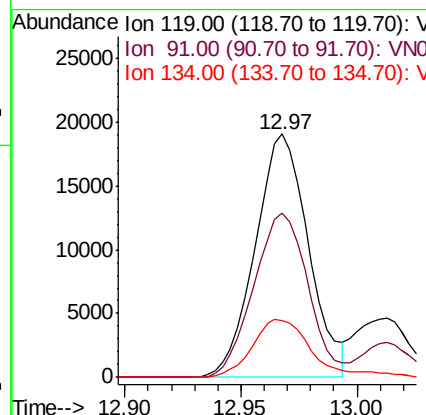
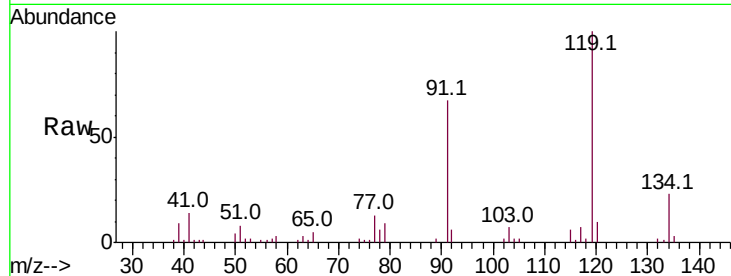
#83
 tert-Butylbenzene
 Concen: 5.341 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	32.3	96.8
134	26.6	12.6	37.6

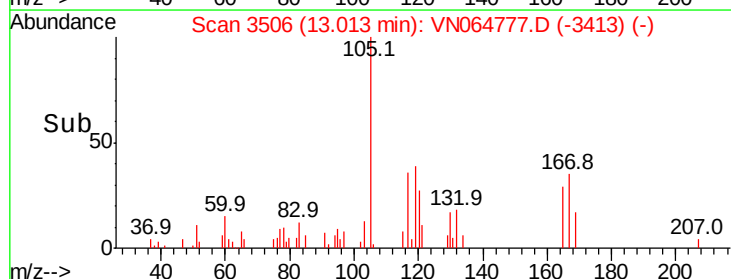
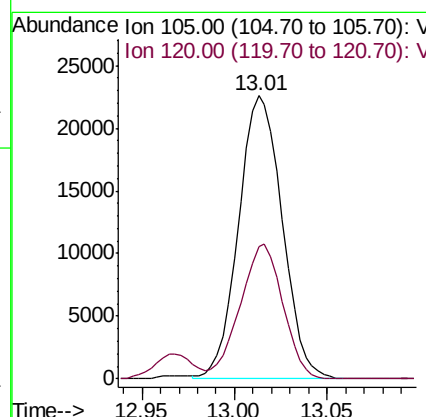
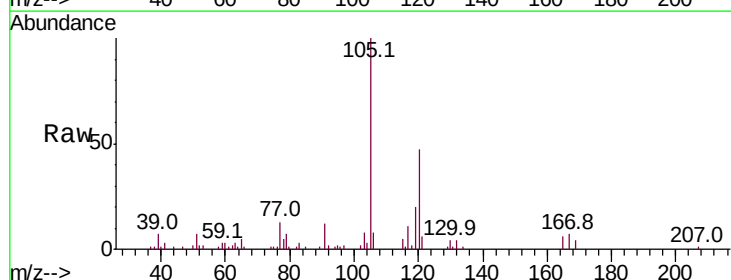
Manual Integrations
 APPROVED

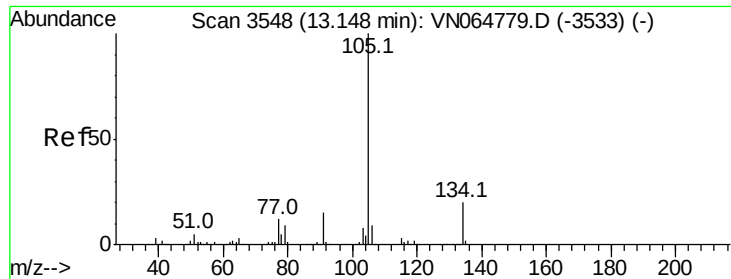
MMDadoda
 11/24/2020 3:01:06 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.956 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.2





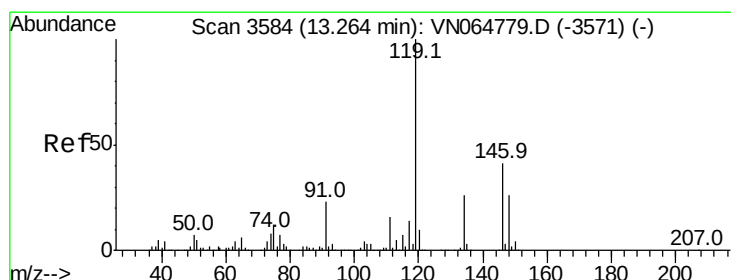
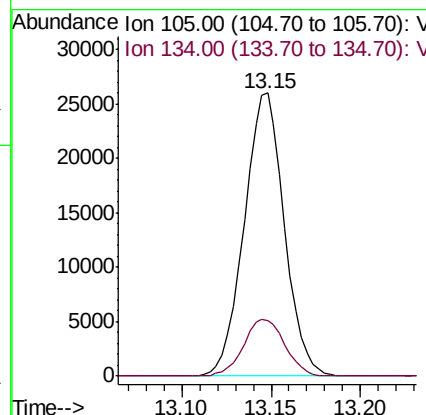
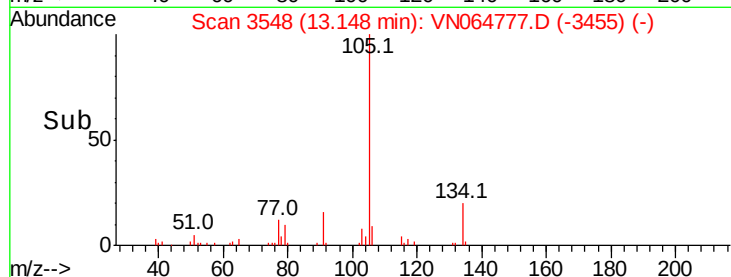
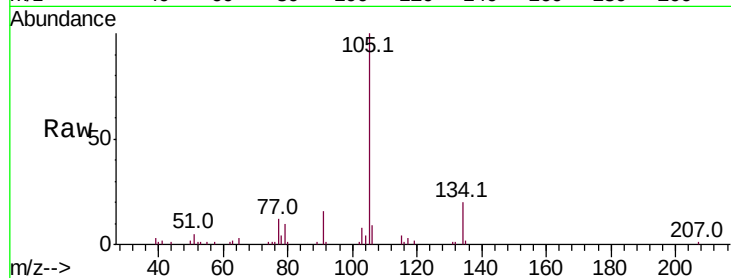
#85
 sec-Butylbenzene
 Concen: 5.316 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.1	30.1

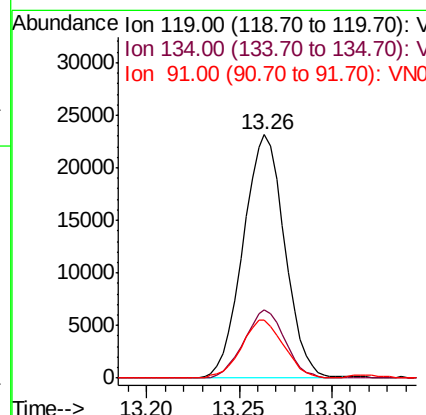
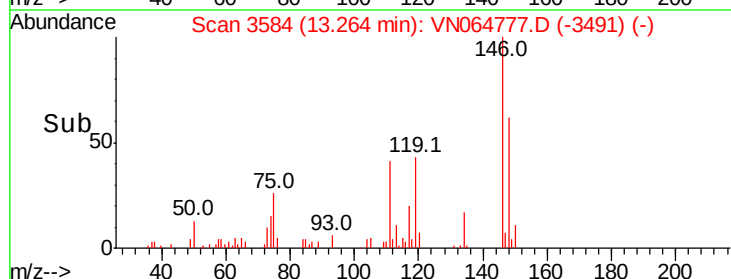
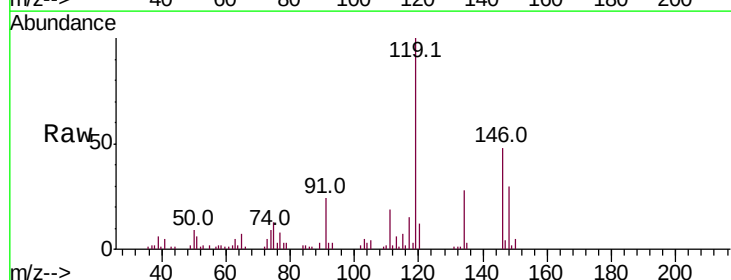
Manual Integrations
 APPROVED

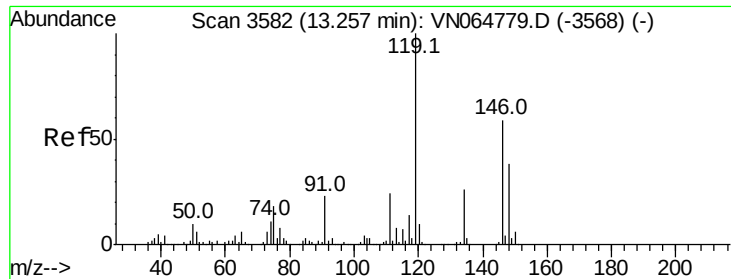
MMDadoda
 11/24/2020 3:01:06 PM



#86
 p-Isopropyltoluene
 Concen: 5.121 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.1	39.1
91	24.1	11.5	34.5





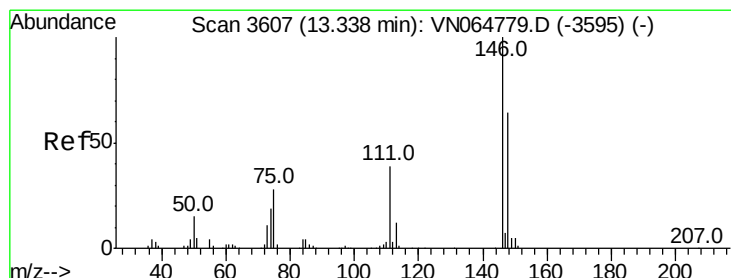
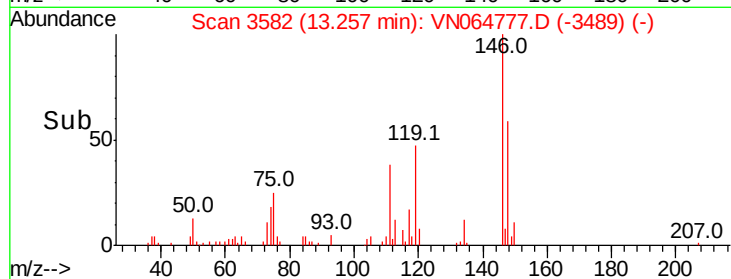
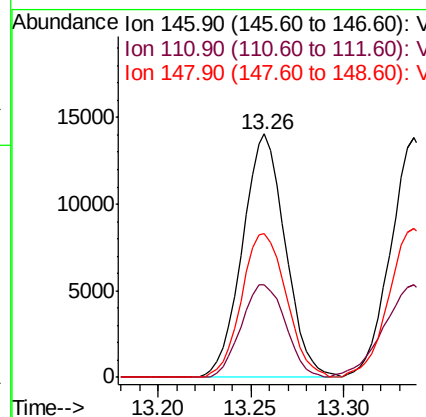
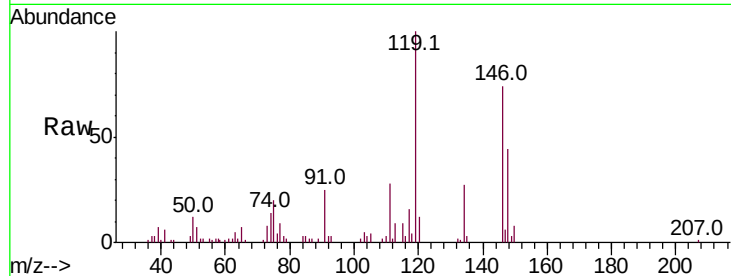
#87
 1,3-Dichlorobenzene
 Concen: 5.538 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.6	61.9
148	61.6	31.9	95.5

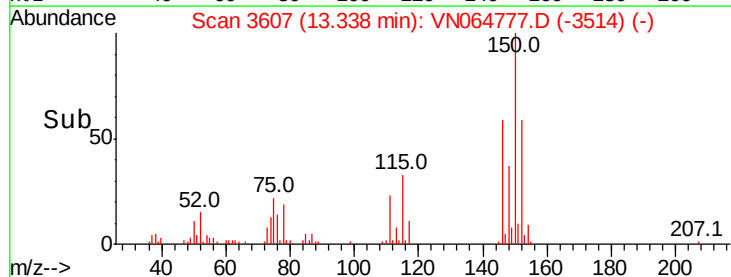
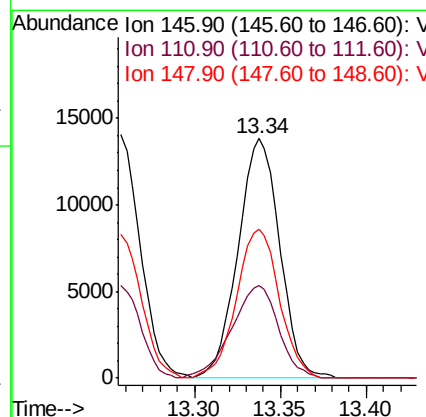
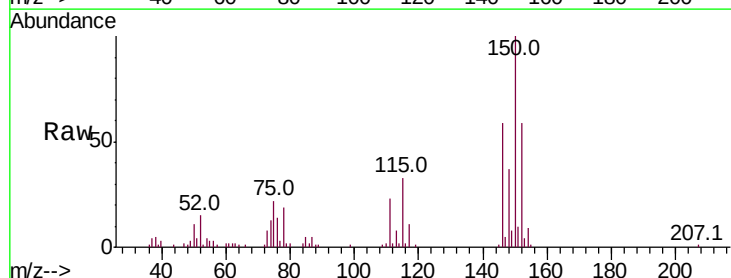
Manual Integrations
 APPROVED

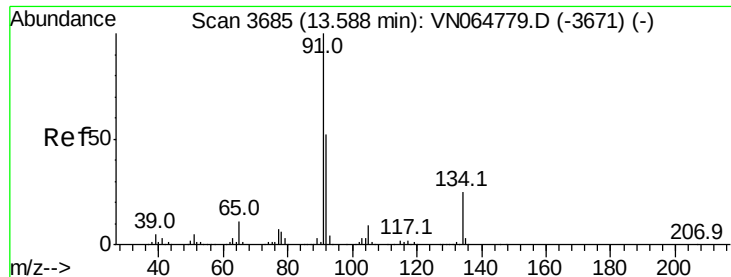
MMDadoda
 11/24/2020 3:01:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.575 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	19.8	59.3
148	64.0	31.9	95.5





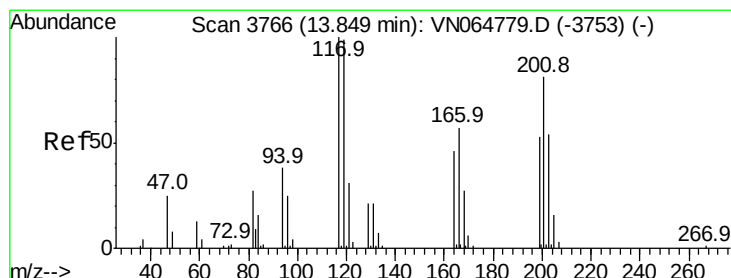
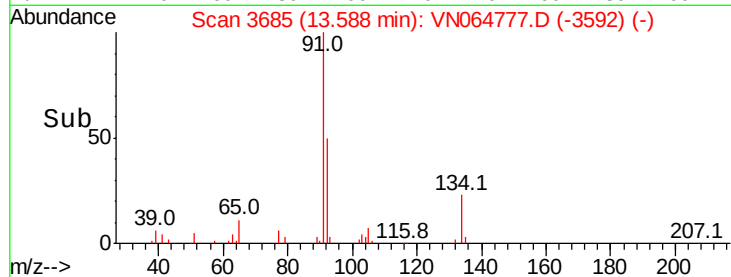
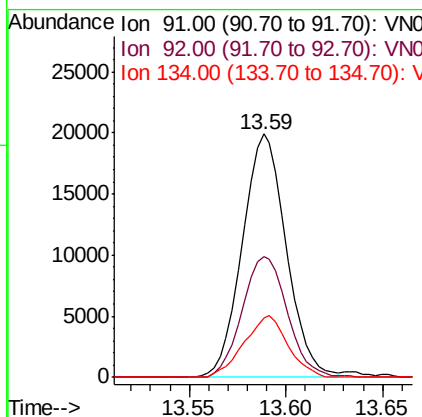
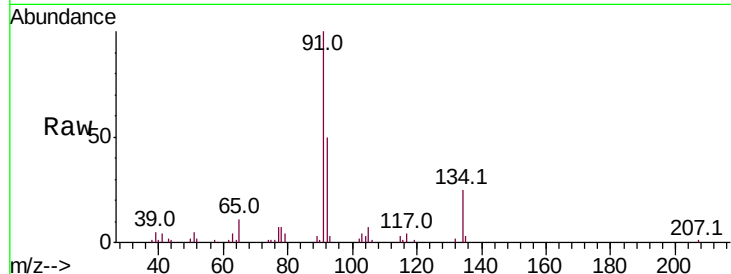
#89
n-Butylbenzene
Concen: 4.858 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	25.3	12.9	38.6

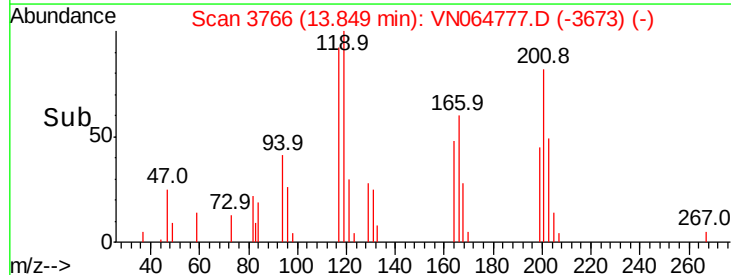
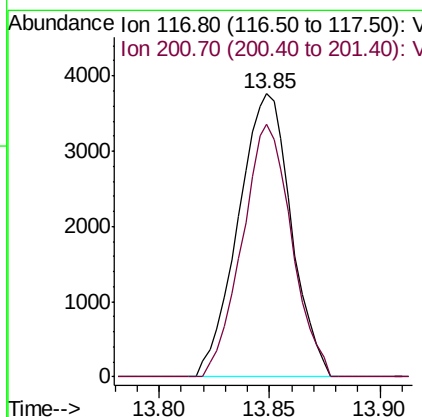
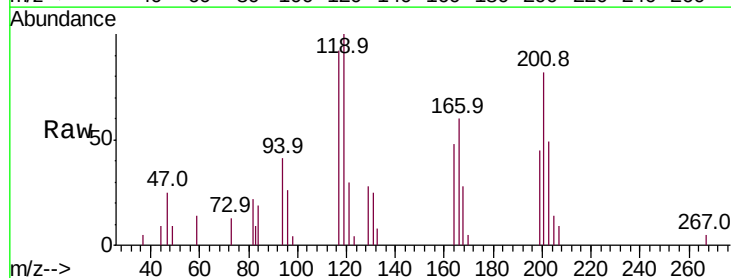
Manual Integrations
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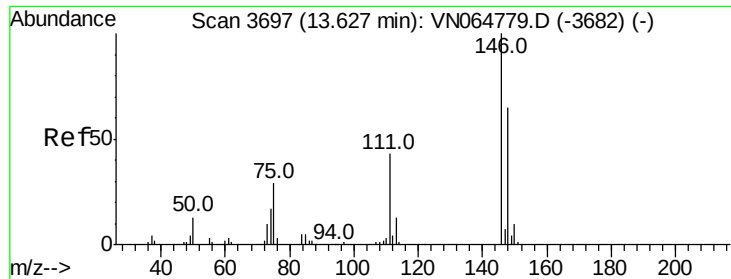
MMDadoda
11/24/2020 3:01:06 PM



#90
Hexachloroethane
Concen: 5.354 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	40.1	120.3





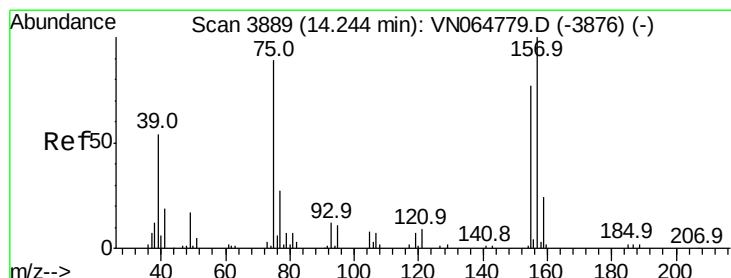
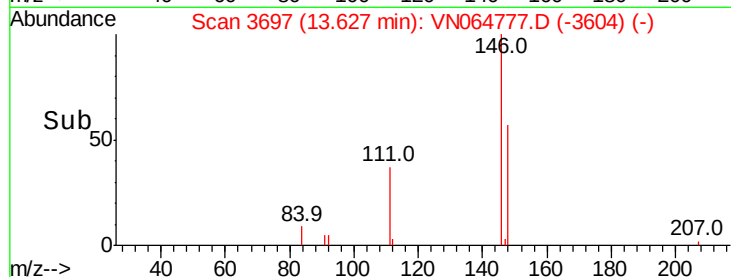
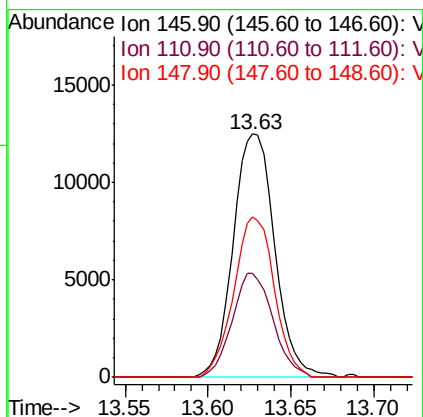
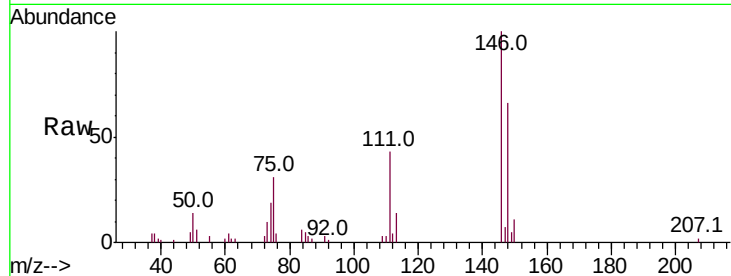
#91
 1,2-Dichlorobenzene
 Concen: 5.457 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	64.2	32.0	96.2

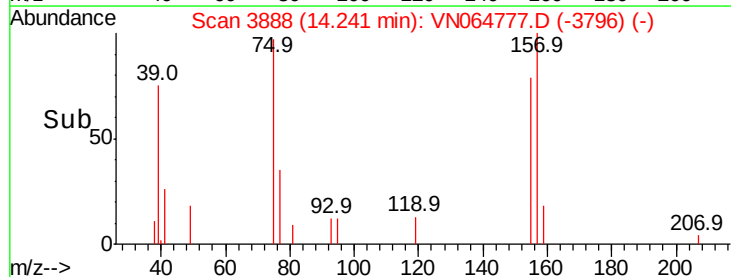
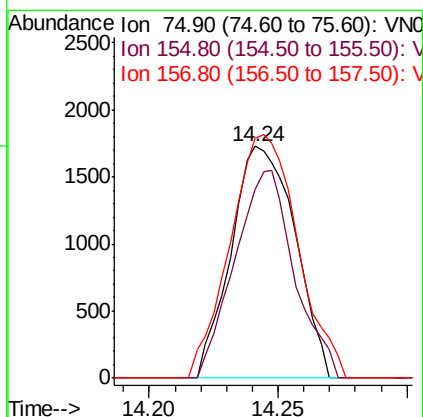
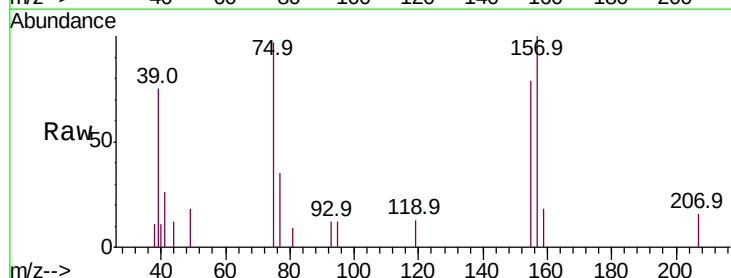
Manual Integrations
 APPROVED

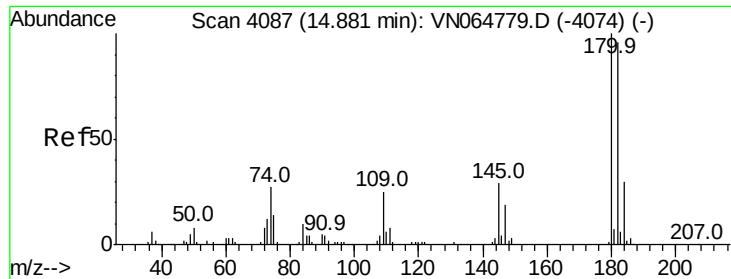
MMDadoda
 11/24/2020 3:01:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.672 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064777.D
 Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	42.8	128.3
157	111.3	56.4	169.1





#93

1,2,4-Trichlorobenzene

Concen: 5.316 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN064777.D

Acq: 23 Nov 2020 11:54

Instrument :

MSVOA_N

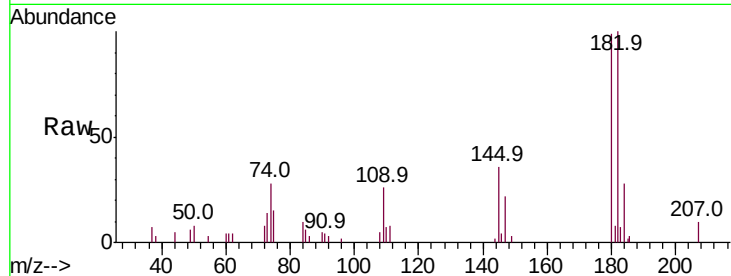
ClientSampleId :

VSTDIC005

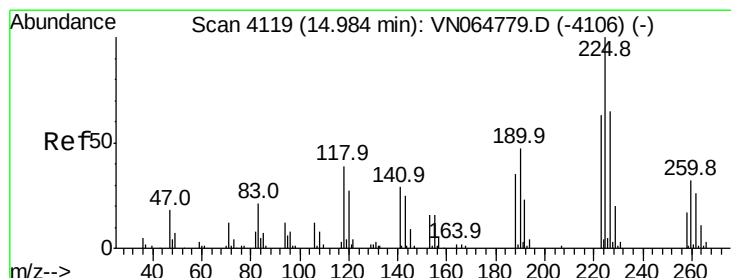
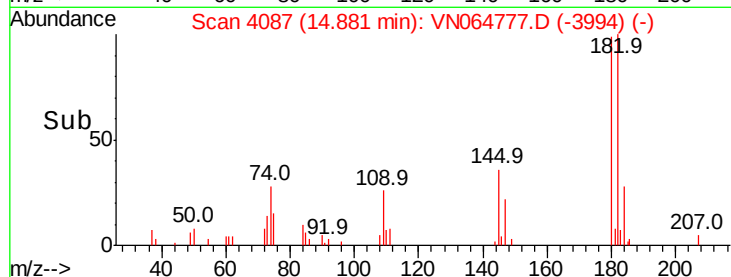
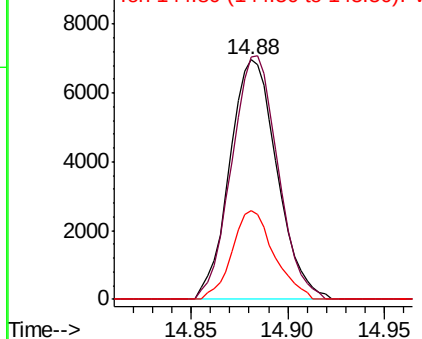
Tot Ion:	180	Resp:	11860
Ion Ratio	Lower	Upper	
180	100		
182	99.0	47.6	142.9
145	32.7	15.3	45.8

Manual Integrations
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MMDadoda
11/24/2020 3:01:06 PM



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



#94

Hexachlorobutadiene

Concen: 5.842 ug/l

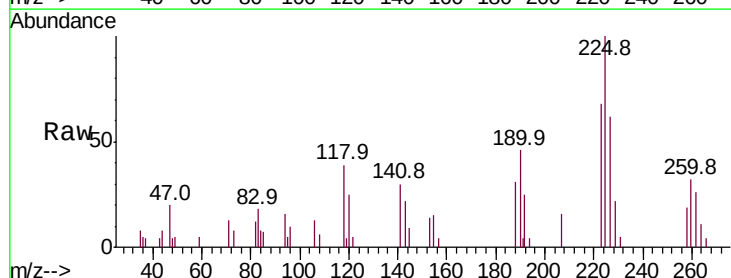
RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

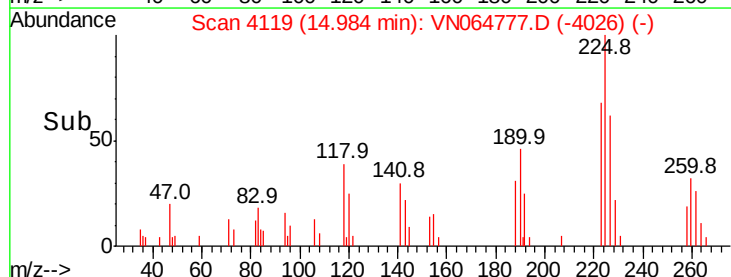
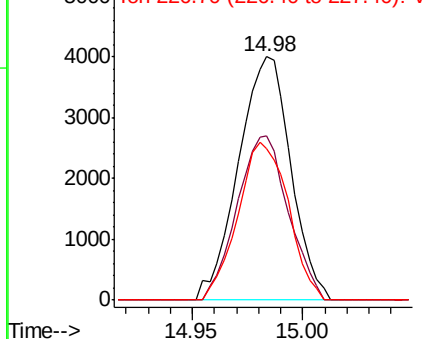
Lab File: VN064777.D

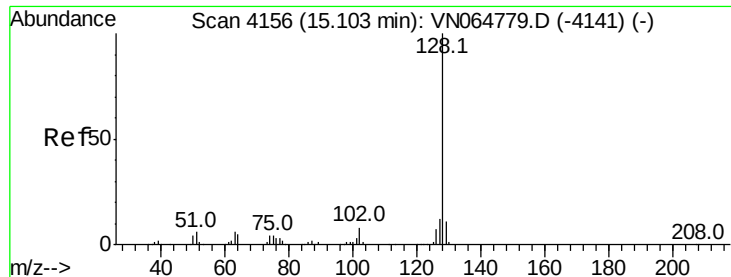
Acq: 23 Nov 2020 11:54

Tgt Ion:	225	Resp:	6595
Ion Ratio	Lower	Upper	
225	100		
223	66.0	31.0	93.0
227	62.5	32.0	96.0



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





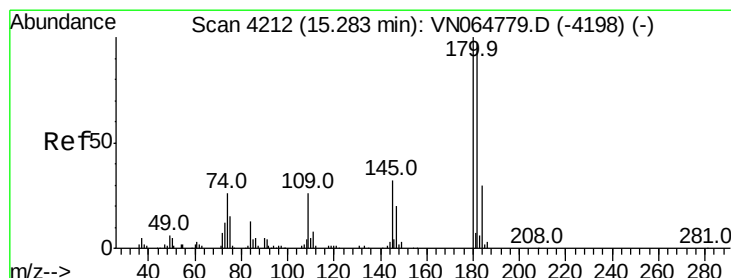
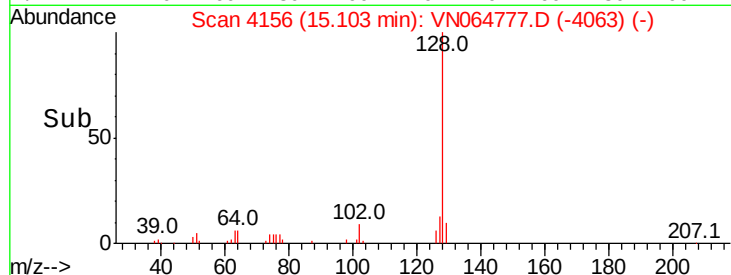
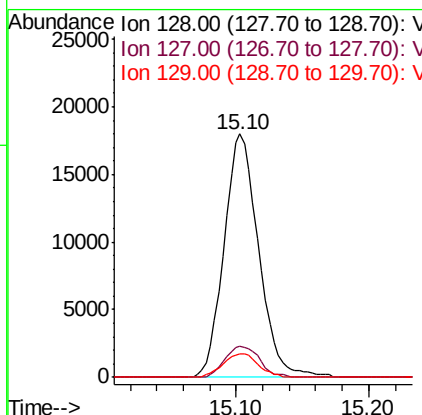
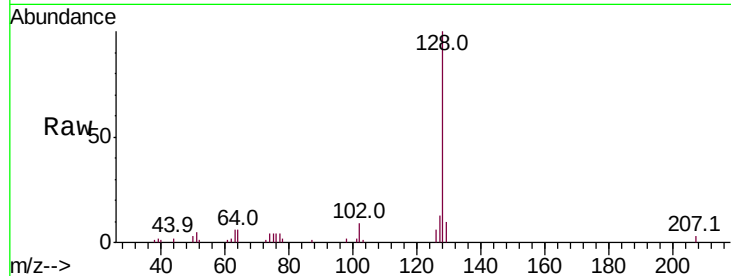
#95
Naphthalene
Concen: 4.619 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	9.9	8.7	13.1

Manual Integrations
APPROVED

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11/24/2020 3:01:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.335 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064777.D
Acq: 23 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	48.1	144.4
145	35.2	16.4	49.1

