

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064983.D
 Acq On : 8 Dec 2020 20:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:55:50 AM

Quant Time: Dec 09 07:52:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	197018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	314316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	282189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	139233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	111972	48.89	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.78%
35) Dibromofluoromethane	7.55	113	99268	52.78	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.56%
50) Toluene-d8	10.06	98	378723	49.28	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.56%
62) 4-Bromofluorobenzene	12.37	95	136239	49.54	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	71005	41.584	ug/l 97
3) Chloromethane	2.04	50	93929	42.331	ug/l 97
4) Vinyl Chloride	2.17	62	102149	44.156	ug/l 100
5) Bromomethane	2.52	94	66264	43.659	ug/l 99
6) Chloroethane	2.67	64	66559	46.518	ug/l 100
7) Trichlorofluoromethane	2.99	101	150236	46.981	ug/l 98
8) Diethyl Ether	3.37	74	61394	48.638	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	90538	47.197	ug/l 99
10) Methyl Iodide	3.91	142	114376	45.967	ug/l 100
11) Tert butyl alcohol	4.74	59	75613	211.680	ug/l 99
12) 1,1-Dichloroethene	3.69	96	89361	46.774	ug/l 100
13) Acrolein	3.57	56	72518	332.368	ug/l 99
14) Allyl chloride	4.27	41	145222	46.087	ug/l 97
15) Acrylonitrile	4.93	53	240774	243.999	ug/l 100
16) Acetone	3.78	43	185397	246.231	ug/l 99
17) Carbon Disulfide	4.01	76	211412	42.859	ug/l 98
18) Methyl Acetate	4.28	43	112829	49.841	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	311560	50.847	ug/l 99
20) Methylene Chloride	4.50	84	112279	47.588	ug/l 99
21) trans-1,2-Dichloroethene	4.99	96	99655	46.972	ug/l 99
22) Diisopropyl ether	5.90	45	327013	51.849	ug/l 99
23) Vinyl Acetate	5.85	43	1284584	254.696	ug/l 99
24) 1,1-Dichloroethane	5.80	63	190733	50.602	ug/l 99
25) 2-Butanone	6.79	43	297046	243.370	ug/l 97
26) 2,2-Dichloropropane	6.78	77	146916	44.940	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	117606	49.262	ug/l 98
28) Bromochloromethane	7.15	49	81364	47.185	ug/l 96
29) Tetrahydrofuran	7.17	42	197967	234.965	ug/l 99
30) Chloroform	7.33	83	195452	50.283	ug/l 100
31) Cyclohexane	7.61	56	139847	43.807	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	167738	50.244	ug/l 99
36) 1,1-Dichloropropene	7.75	75	139348	47.830	ug/l 99
37) Ethyl Acetate	6.88	43	126569	45.101	ug/l 98
38) Carbon Tetrachloride	7.73	117	148160	48.875	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	136787	43.614	ug/l	100
40) Benzene	8.00	78	433121	48.514	ug/l	98
41) Methacrylonitrile	7.12	41	54009	41.708	ug/l	98
42) 1,2-Dichloroethane	8.08	62	143307	47.584	ug/l	100
43) Isopropyl Acetate	8.13	43	215507	47.723	ug/l #	92
44) Trichloroethene	8.80	130	119337	45.304	ug/l	96
45) 1,2-Dichloropropane	9.08	63	118568	51.284	ug/l	99
46) Dibromomethane	9.17	93	76707	49.663	ug/l	99
47) Bromodichloromethane	9.37	83	157230	50.592	ug/l	99
48) Methyl methacrylate	9.16	41	102610	47.553	ug/l	98
49) 1,4-Dioxane	9.17	88	35128	861.335	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	651710	240.390	ug/l	99
52) Toluene	10.12	92	273887	49.816	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	166240	48.025	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	185967	50.122	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	113254	50.094	ug/l	97
56) Ethyl methacrylate	10.40	69	158788	50.896	ug/l	98
57) 1,3-Dichloropropane	10.68	76	185586	49.763	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	414705	241.649	ug/l	100
59) 2-Hexanone	10.72	43	462651	237.122	ug/l	100
60) Dibromochloromethane	10.87	129	128327	51.063	ug/l	100
61) 1,2-Dibromoethane	10.97	107	115561	50.311	ug/l	98
64) Tetrachloroethene	10.60	164	122049	44.455	ug/l	98
65) Chlorobenzene	11.41	112	303329	50.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	118368	53.150	ug/l	100
67) Ethyl Benzene	11.48	91	518225	51.190	ug/l	99
68) m/p-Xylenes	11.59	106	403871	105.371	ug/l	97
69) o-Xylene	11.92	106	191151	52.555	ug/l	99
70) Styrene	11.94	104	337443	54.957	ug/l	98
71) Bromoform	12.10	173	89913	50.549	ug/l #	99
73) Isopropylbenzene	12.22	105	503240	51.963	ug/l	100
74) N-amyl acetate	12.04	43	186442	48.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	150655	53.074	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	145312m	48.462	ug/l	
77) Bromobenzene	12.50	156	133369	51.080	ug/l	98
78) n-propylbenzene	12.56	91	565317	51.240	ug/l	99
79) 2-Chlorotoluene	12.65	91	346083	50.747	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	431380	53.589	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	51012	46.627	ug/l	97
82) 4-Chlorotoluene	12.75	91	355146	49.682	ug/l	98
83) tert-Butylbenzene	12.97	119	355334	52.663	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	434259	53.356	ug/l	100
85) sec-Butylbenzene	13.14	105	454140	50.693	ug/l	99
86) p-Isopropyltoluene	13.26	119	424567	52.055	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	229057	49.378	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	230592	47.004	ug/l	100
89) n-Butylbenzene	13.59	91	336816	47.024	ug/l	100
90) Hexachloroethane	13.85	117	75664	53.401	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	228939	50.263	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29227	45.760	ug/l	97

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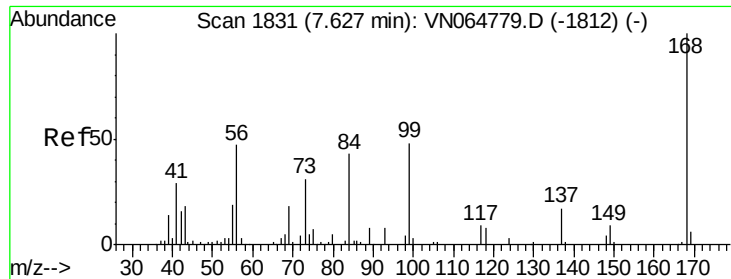
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	120417	42.737	ug/l	99
94) Hexachlorobutadiene	14.98	225	58979	46.509	ug/l	98
95) Naphthalene	15.10	128	355260	42.086	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	113347	42.545	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 197018

Ion Ratio Lower Upper

168 100

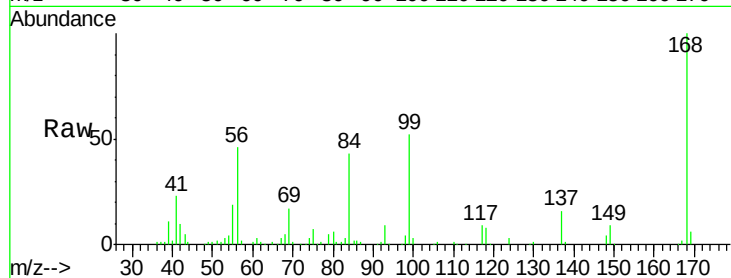
99 52.4 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

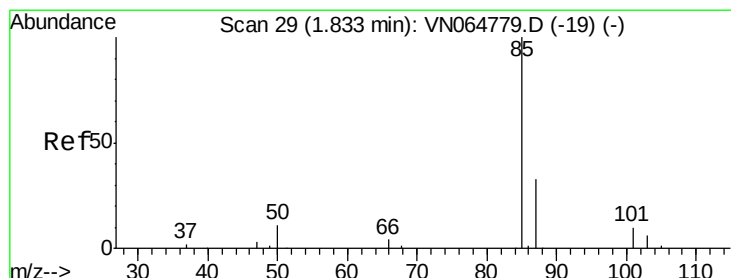
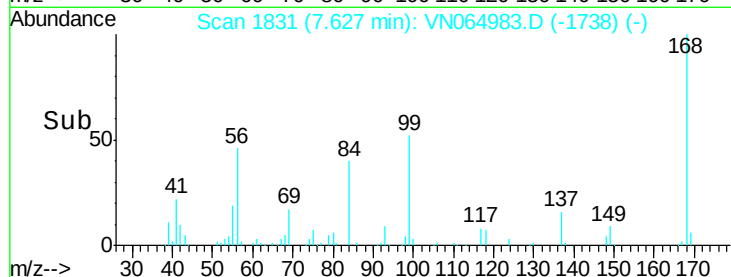
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.584 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064983.D

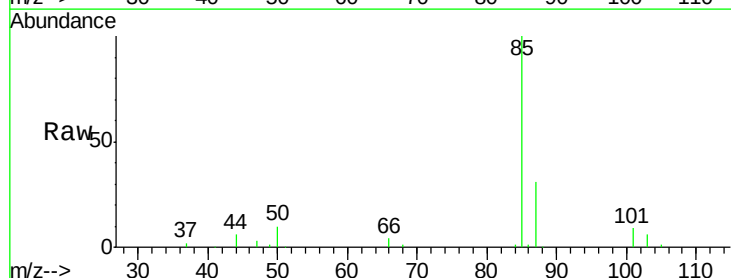
Acq: 8 Dec 2020 20:38

Tgt Ion: 85 Resp: 71005

Ion Ratio Lower Upper

85 100

87 31.2 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

60000

50000

40000

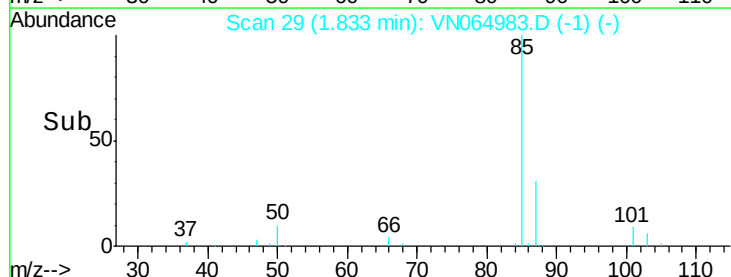
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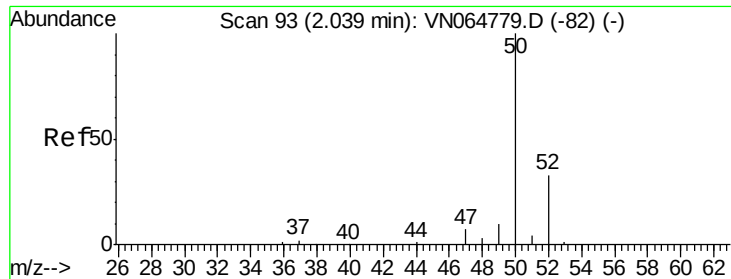
20000

10000

0

Time-->





#3

Chloromethane

Concen: 42.331 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 93929

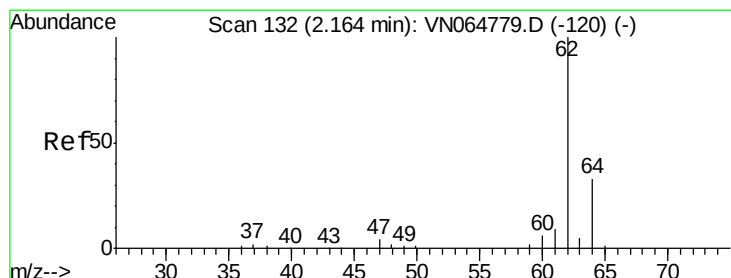
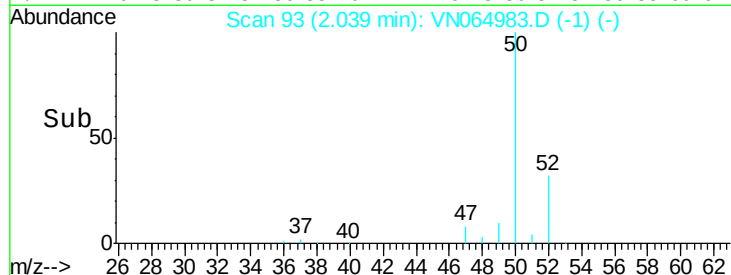
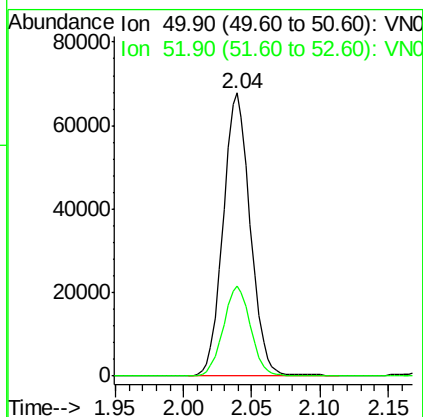
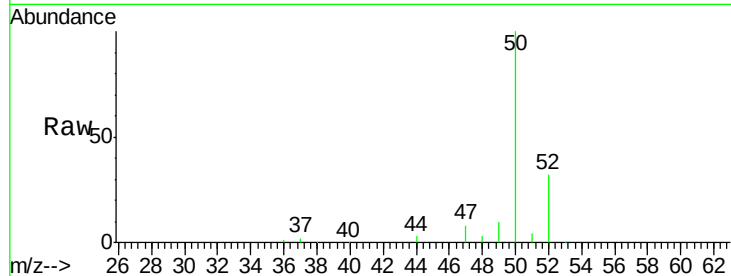
Ion Ratio Lower Upper

50 100

52 31.7 26.6 39.8

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#4

Vinyl Chloride

Concen: 44.156 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064983.D

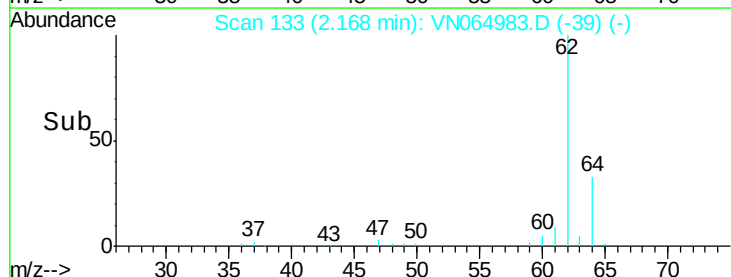
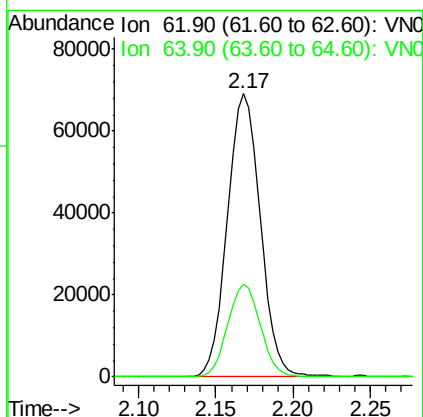
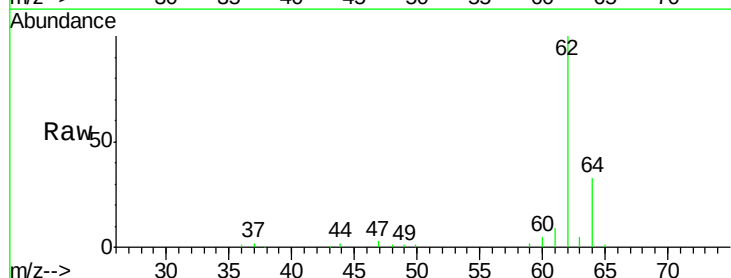
Acq: 8 Dec 2020 20:38

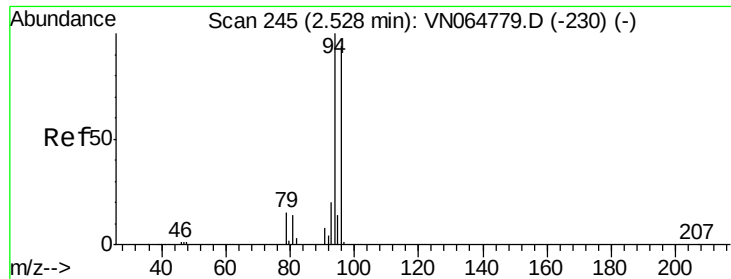
Tgt Ion: 62 Resp: 102149

Ion Ratio Lower Upper

62 100

64 32.8 26.5 39.7





#5

Bromomethane

Concen: 43.659 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66264

Ion Ratio Lower Upper

94 100

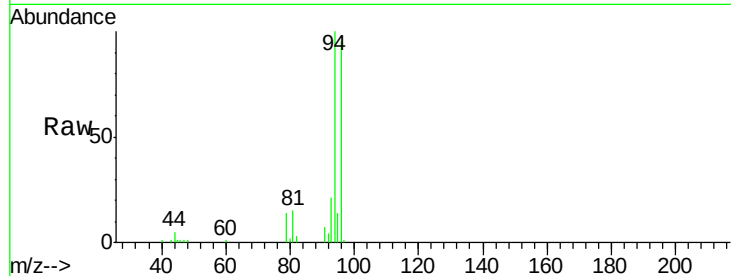
96 94.8 75.4 113.0

Manual Integrations

APPROVED

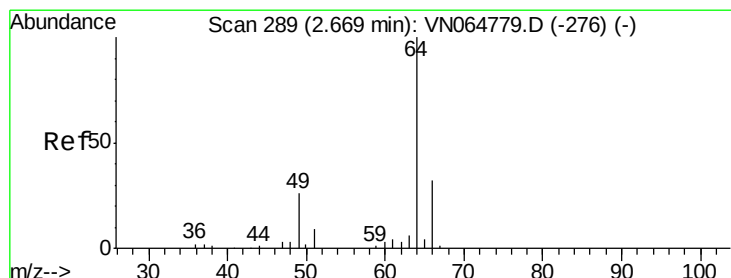
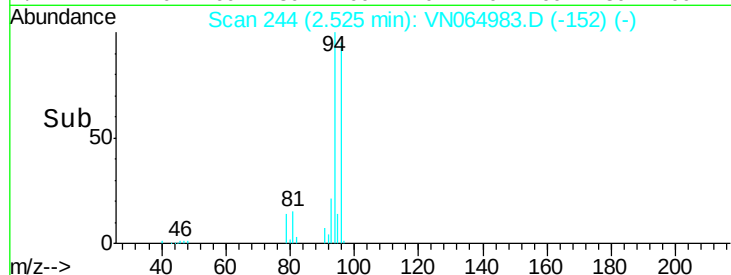
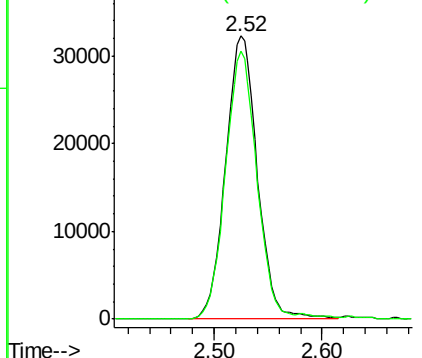
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12/10/2020 9:55:50 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.518 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064983.D

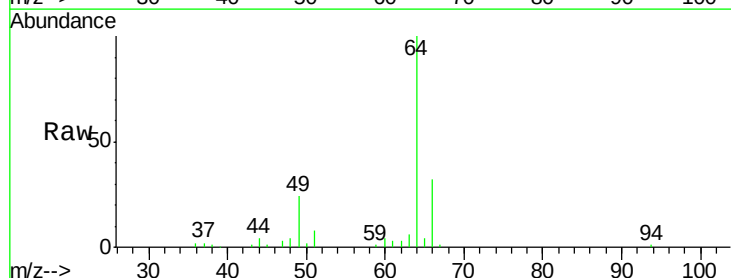
Acq: 8 Dec 2020 20:38

Tgt Ion: 64 Resp: 66559

Ion Ratio Lower Upper

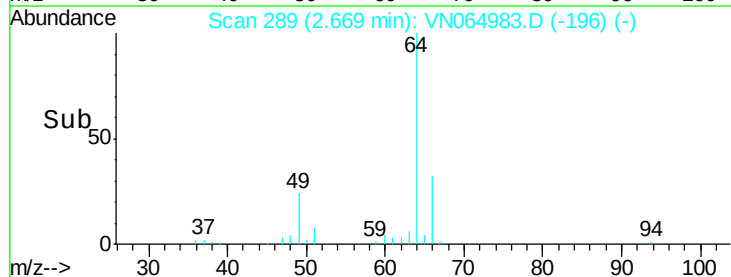
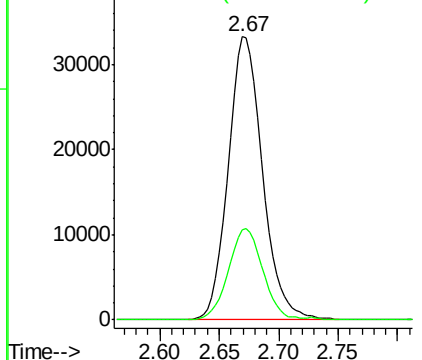
64 100

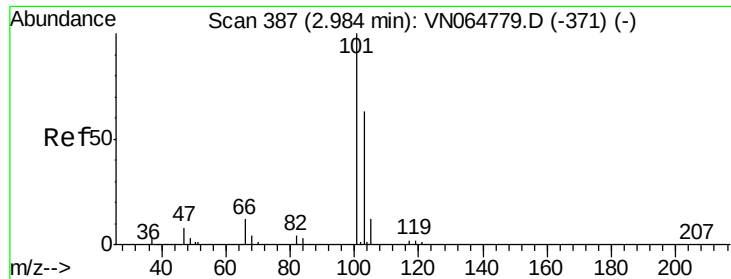
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

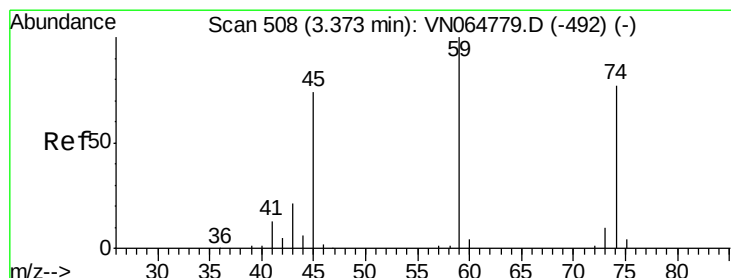
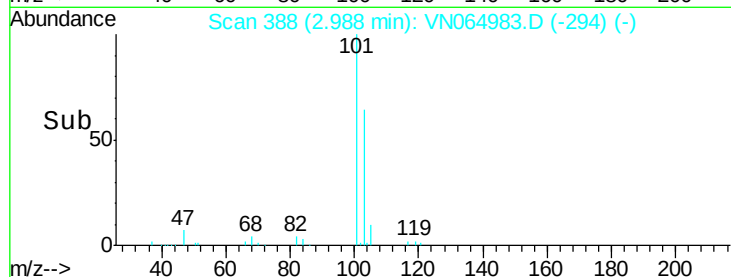
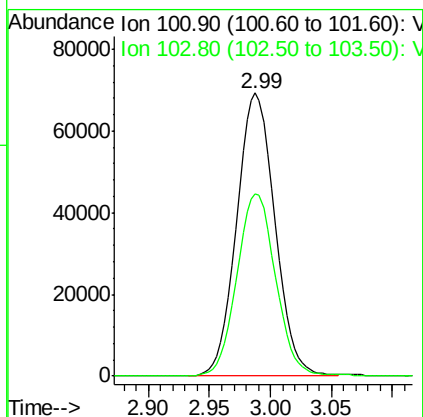
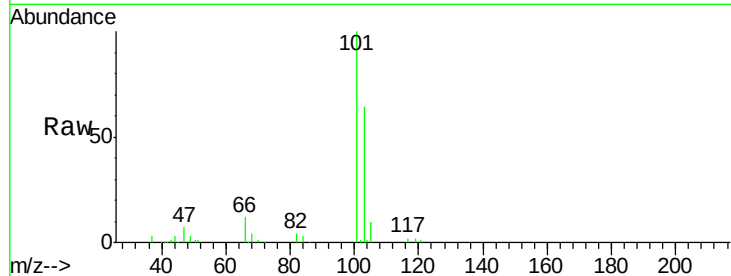
Trichlorofluoromethane
Concen: 46.981 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.5	75.7

Manual Integrations
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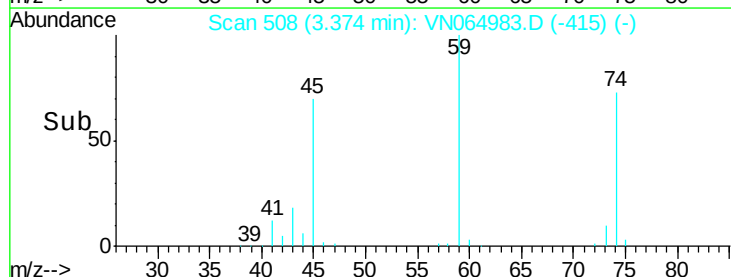
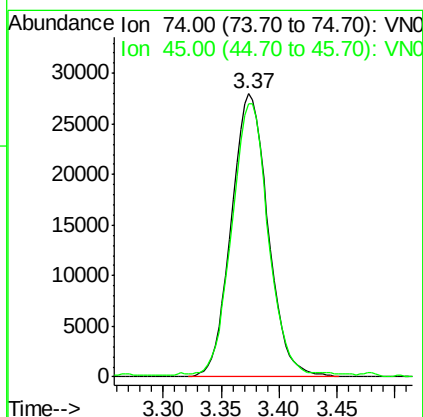
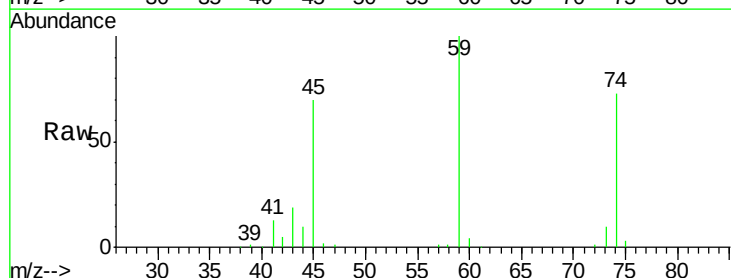
MMDadoda
12/10/2020 9:55:50 AM

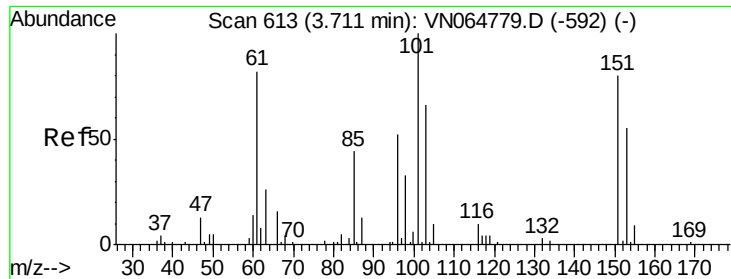


#8

Diethyl Ether
Concen: 48.638 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.197 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

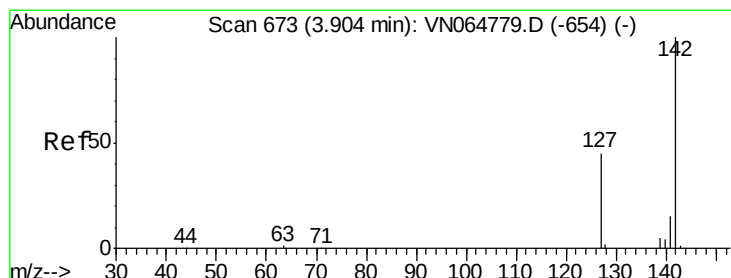
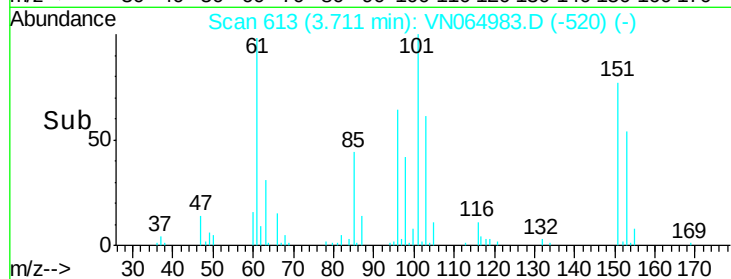
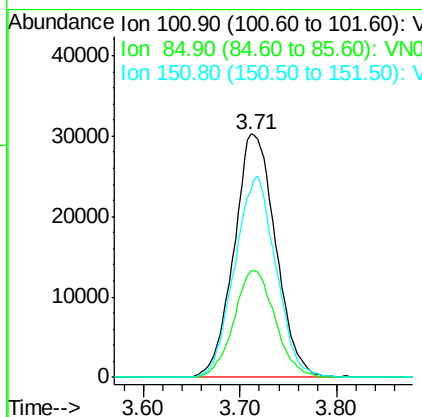
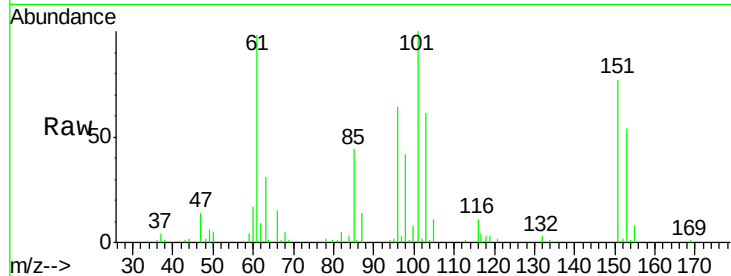
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	90538
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.4	51.6
151	81.8	64.0	96.0

Manual Integrations
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12/10/2020 9:55:50 AM



#10

Methyl Iodide

Concen: 45.967 ug/l

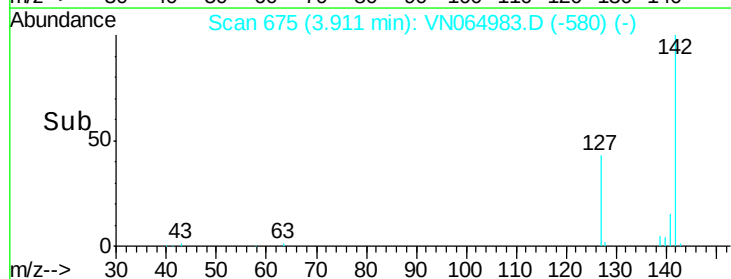
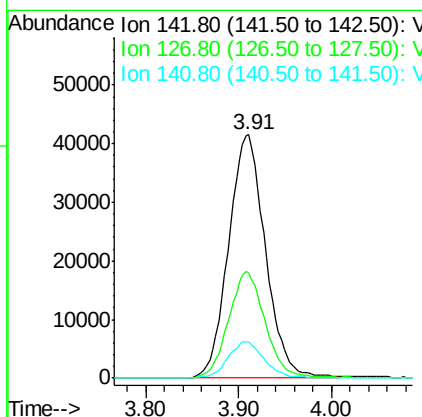
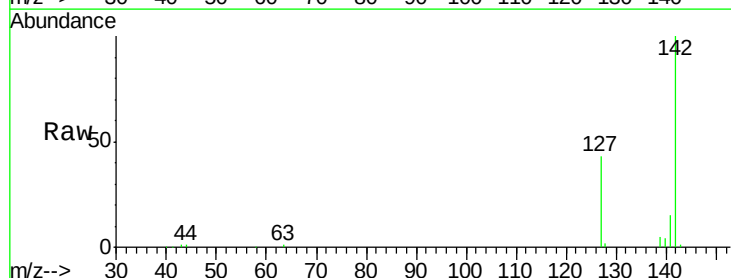
RT: 3.91 min Scan# 675

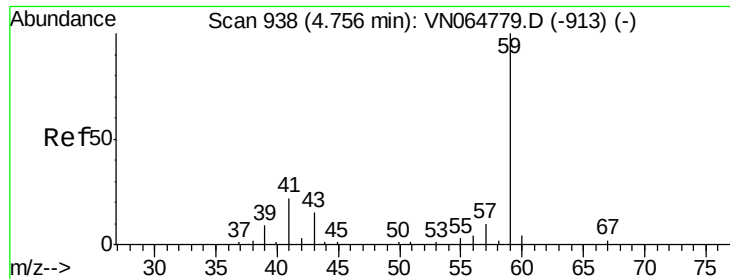
Delta R.T. 0.01 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion:	142	Resp:	114376
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.0	52.6
141	14.5	11.8	17.6





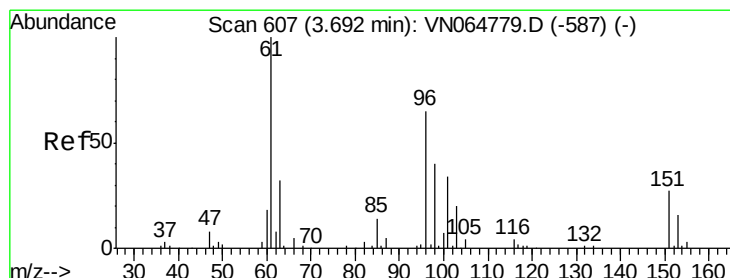
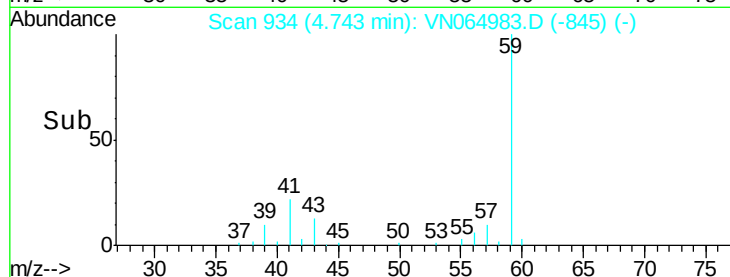
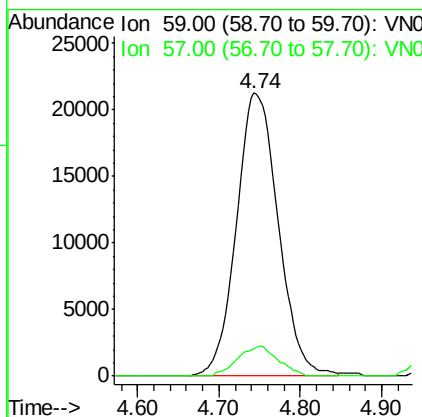
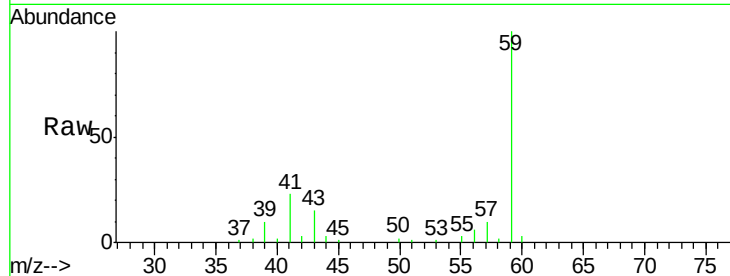
#11
Tert butyl alcohol
Concen: 211.680 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 75613
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

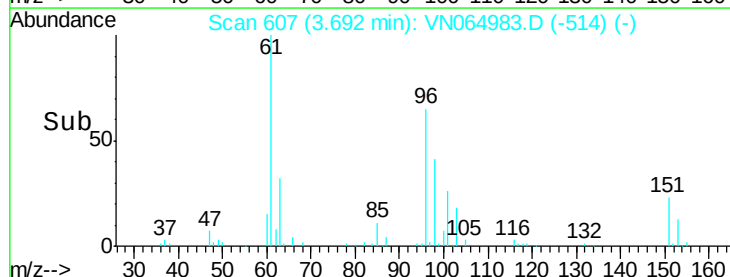
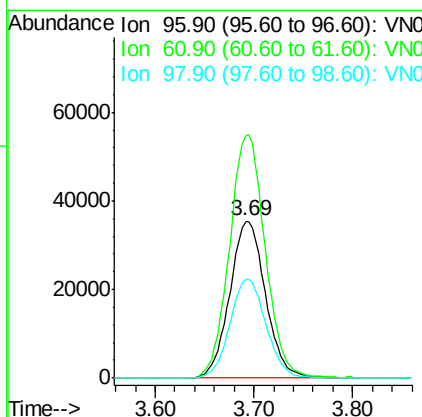
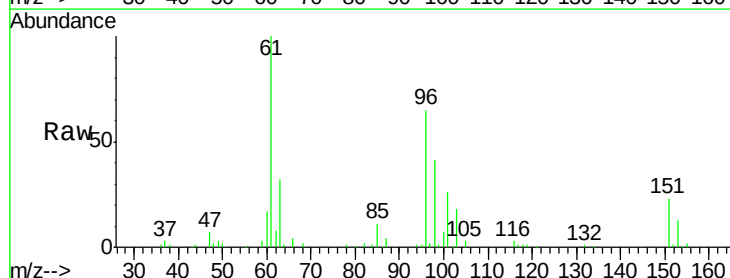
Manual Integrations
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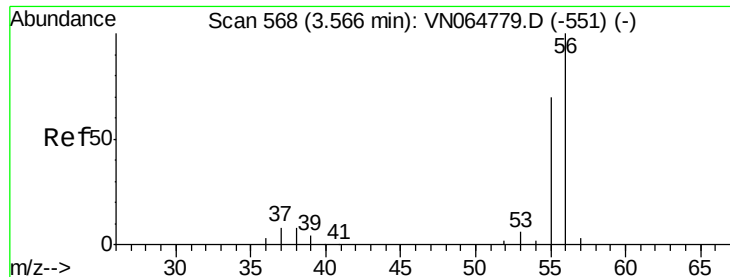
MMDadoda
12/10/2020 9:55:50 AM



#12
1,1-Dichloroethene
Concen: 46.774 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion: 96 Resp: 89361
Ion Ratio Lower Upper
96 100
61 154.6 123.4 185.2
98 63.0 49.8 74.8





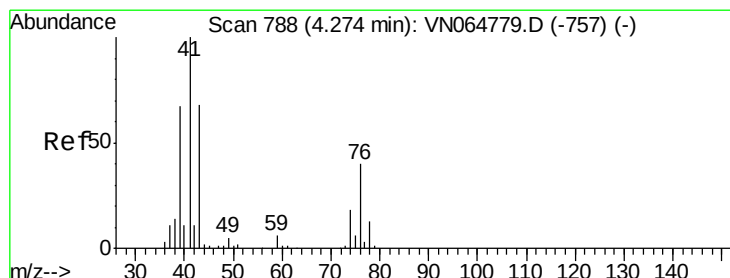
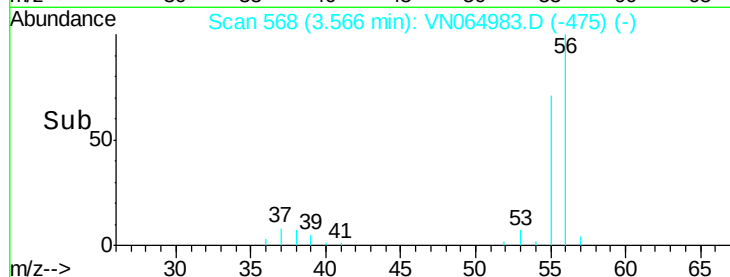
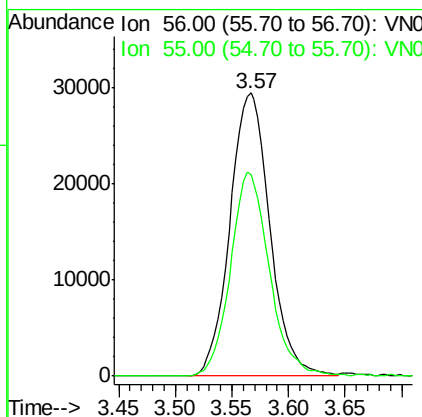
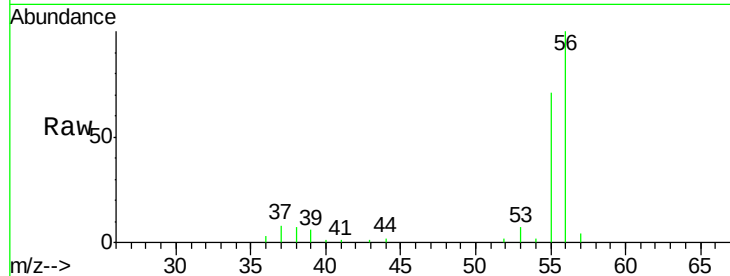
#13
Acrolein
Concen: 332.368 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 72518
Ion Ratio Lower Upper
56 100
55 70.1 56.5 84.7

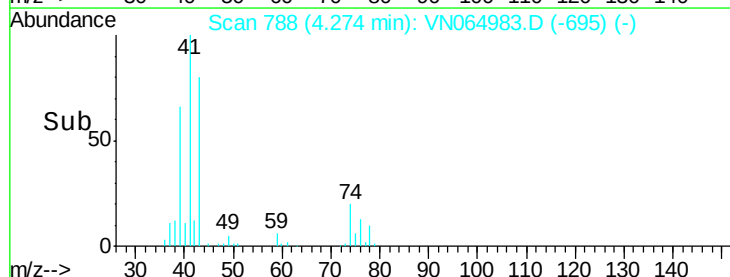
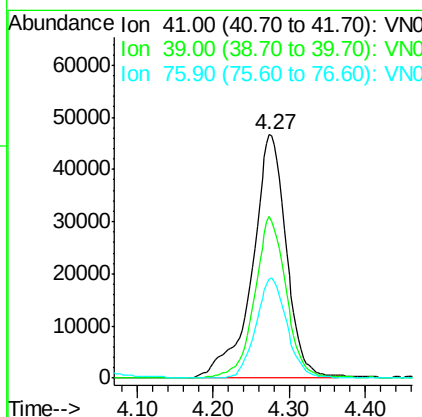
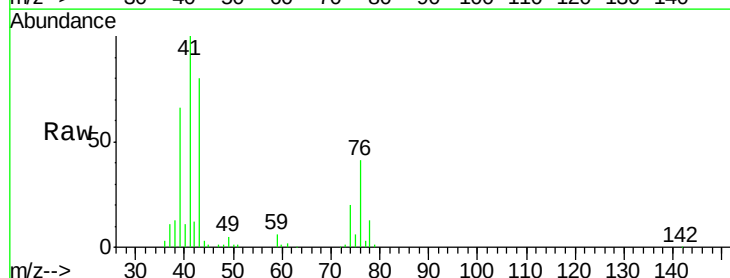
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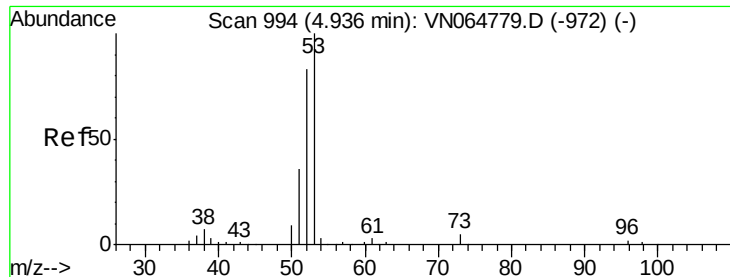
MMDadoda
12/10/2020 9:55:50 AM



#14
Allyl chloride
Concen: 46.087 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion: 41 Resp: 145222
Ion Ratio Lower Upper
41 100
39 61.1 50.9 76.3
76 37.1 29.0 43.4





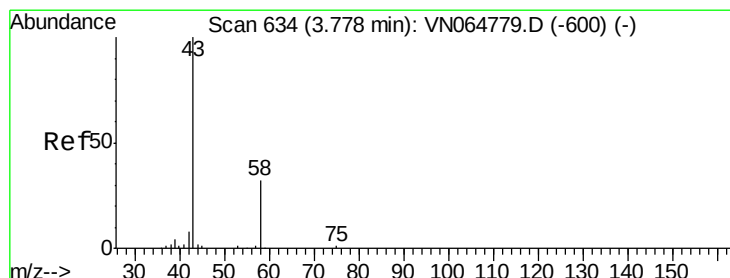
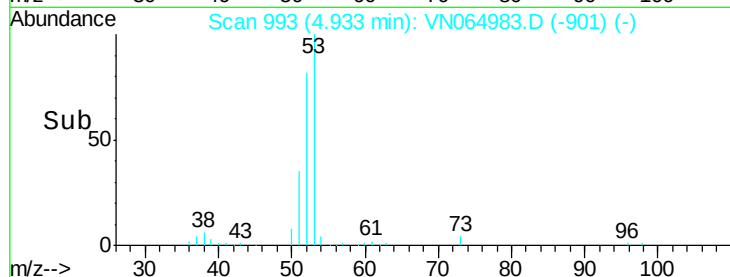
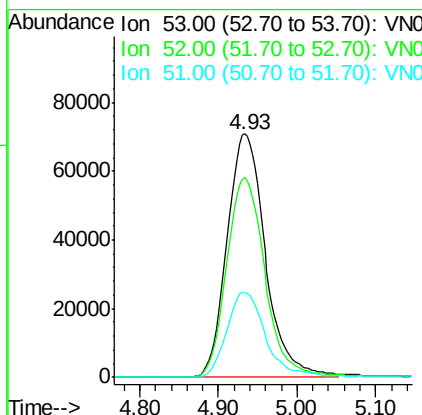
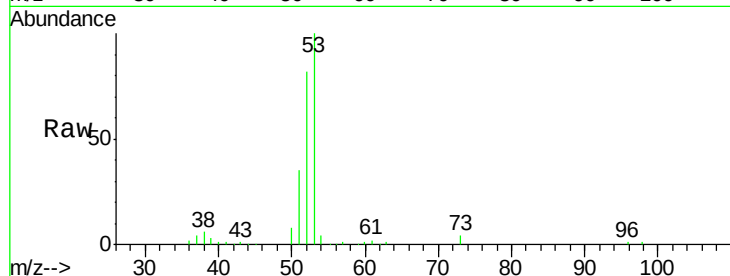
#15
 Acrylonitrile
 Concen: 243.999 ug/l
 RT: 4.93 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	35.2	28.6	43.0

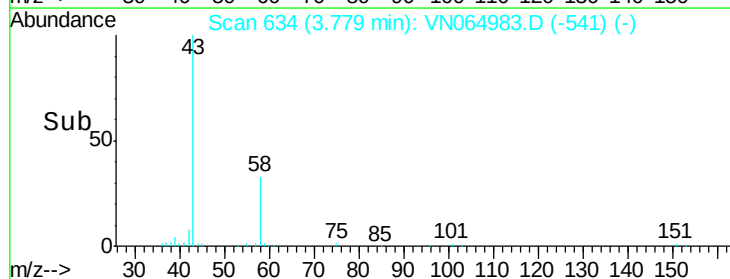
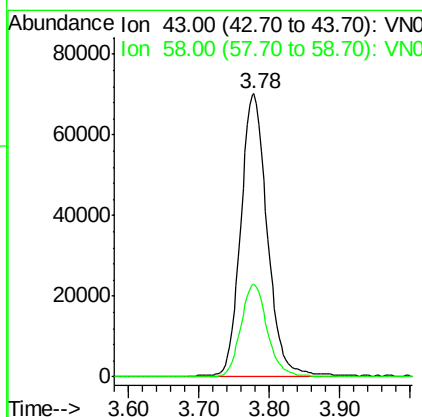
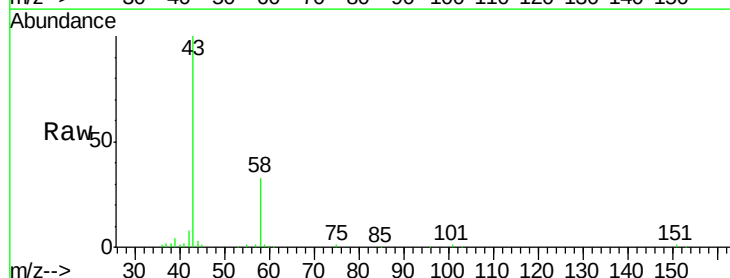
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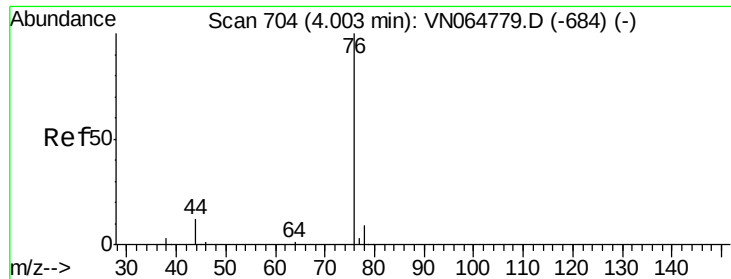
MMDadoda
 12/10/2020 9:55:50 AM



#16
 Acetone
 Concen: 246.231 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.7	38.5





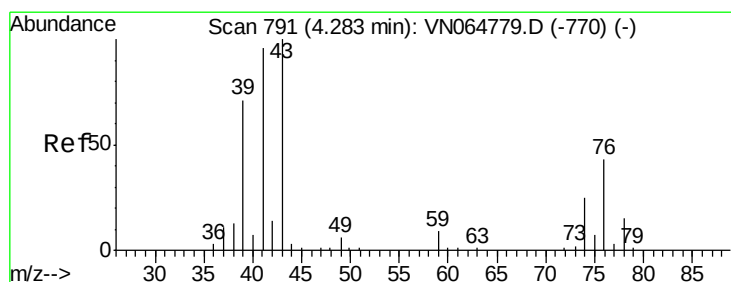
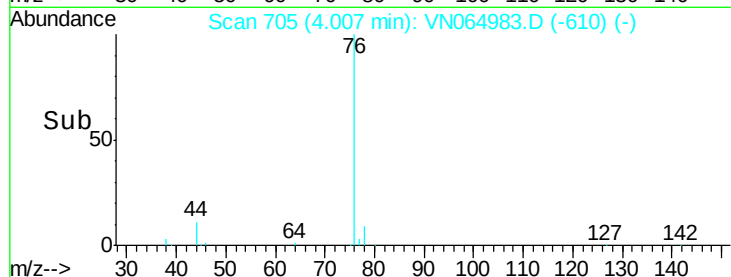
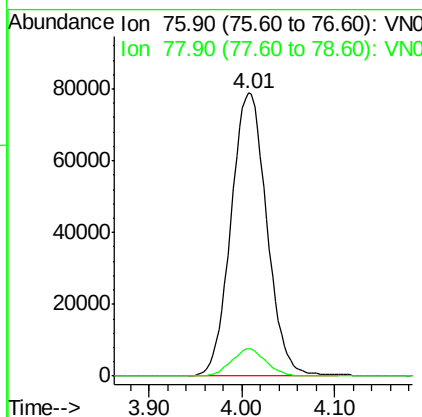
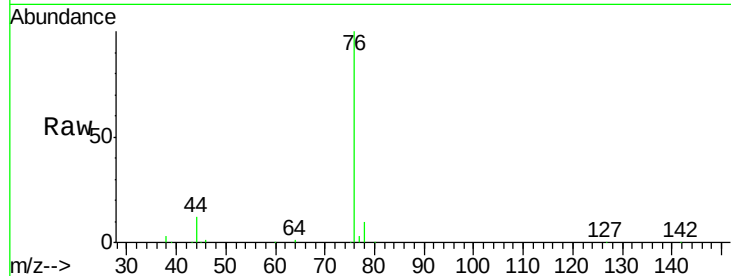
#17
Carbon Disulfide
Concen: 42.859 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 211412
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

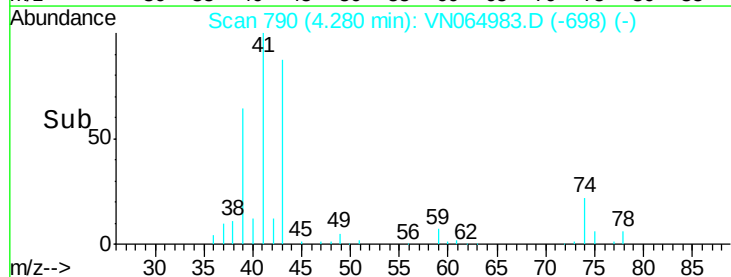
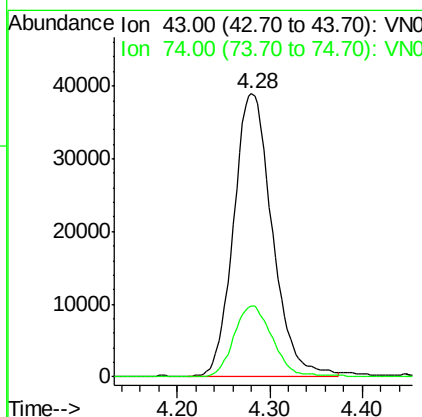
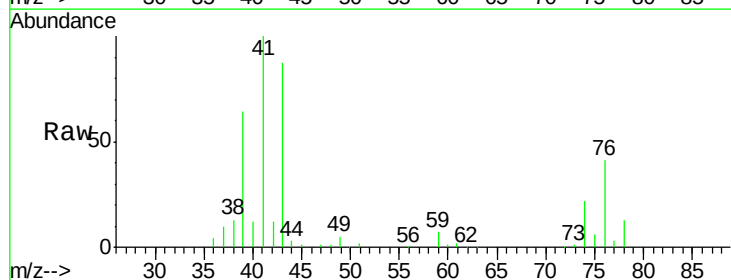
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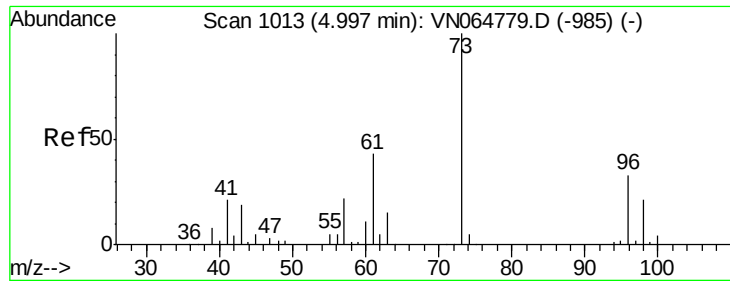
MMDadoda
12/10/2020 9:55:50 AM



#18
Methyl Acetate
Concen: 49.841 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion: 43 Resp: 112829
Ion Ratio Lower Upper
43 100
74 25.2 20.2 30.2





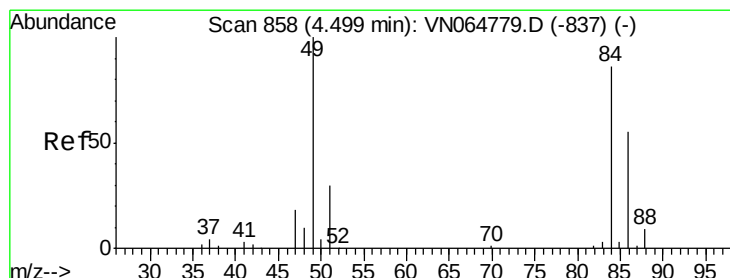
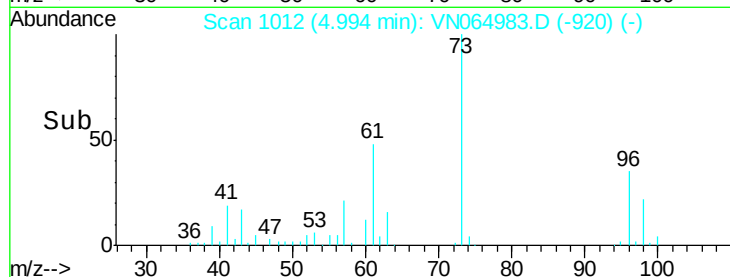
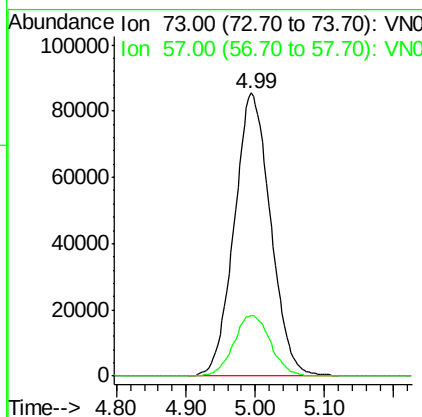
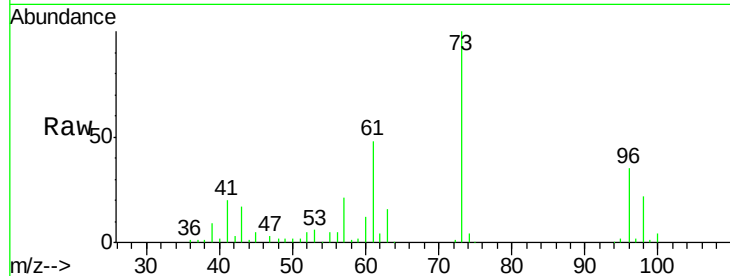
#19
Methyl tert-butyl Ether
Concen: 50.847 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 311560
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.0

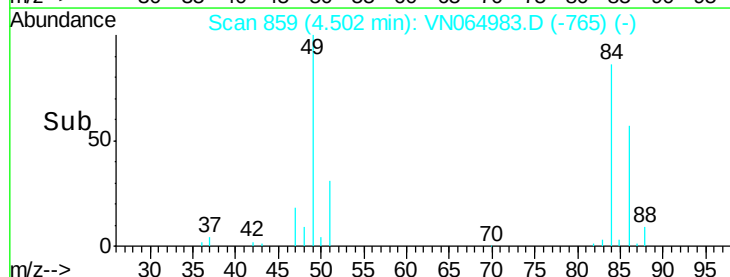
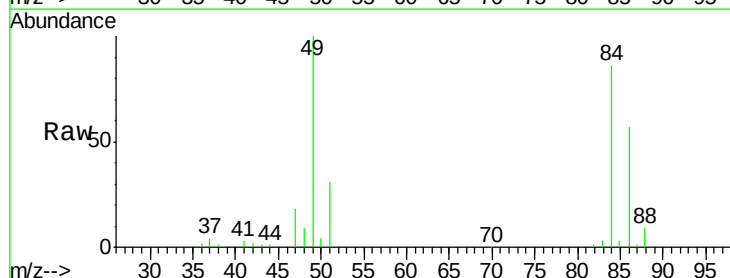
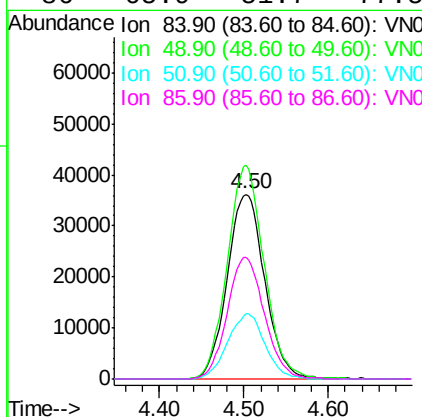
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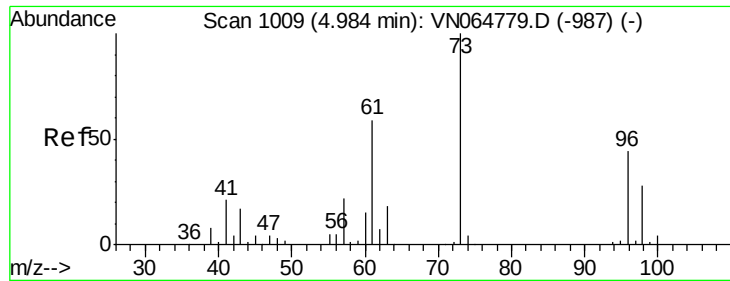
MMDadoda
12/10/2020 9:55:50 AM



#20
Methylene Chloride
Concen: 47.588 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion: 84 Resp: 112279
Ion Ratio Lower Upper
84 100
49 115.9 93.4 140.0
51 35.3 28.2 42.4
86 65.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.972 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 99655

Ion Ratio Lower Upper

96 100

61 136.4 108.4 162.6

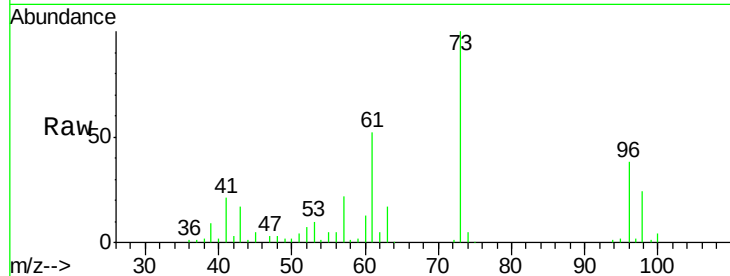
98 63.1 51.3 76.9

Manual Integrations

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MMDadoda

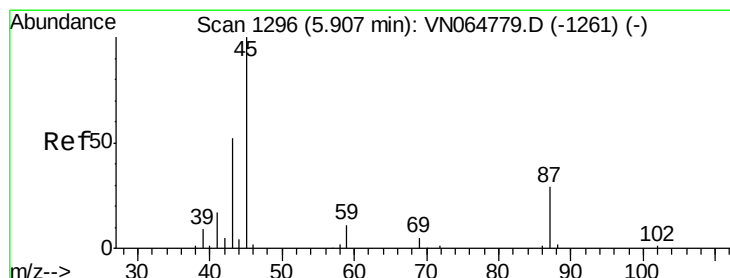
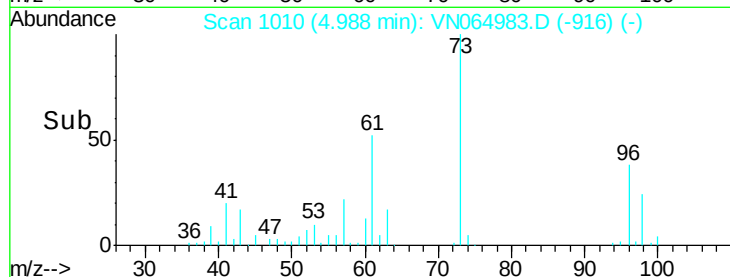
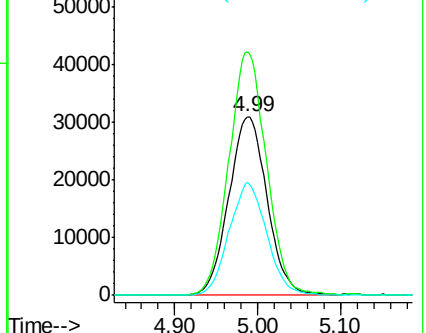
12/10/2020 9:55:50 AM



Abundance Ion 95.90 (95.60 to 96.60): VN064983.D (-1203) (-)

Ion 60.90 (60.60 to 61.60): VN064983.D (-1203) (-)

Ion 97.90 (97.60 to 98.60): VN064983.D (-1203) (-)



#22

Diisopropyl ether

Concen: 51.849 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion: 45 Resp: 327013

Ion Ratio Lower Upper

45 100

43 58.6 46.2 69.2

87 29.6 24.1 36.1

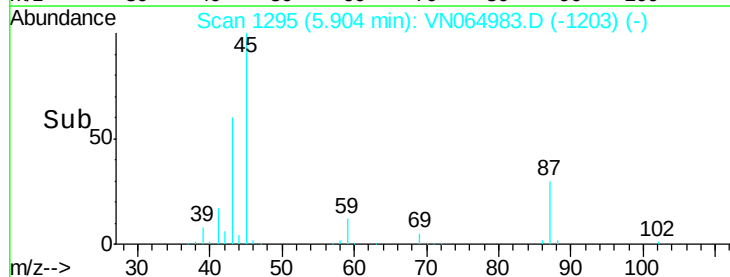
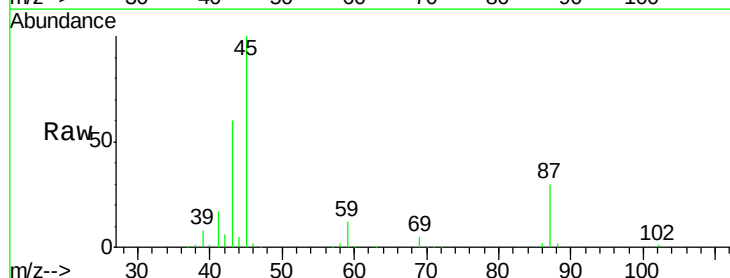
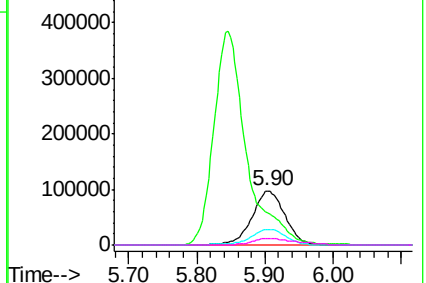
59 11.7 9.0 13.4

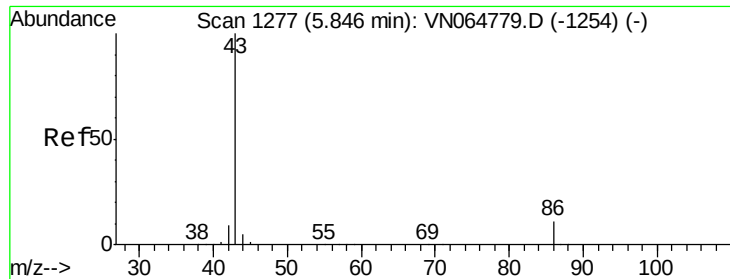
Abundance Ion 45.00 (44.70 to 45.70): VN064983.D (-1203) (-)

Ion 43.00 (42.70 to 43.70): VN064983.D (-1203) (-)

Ion 87.00 (86.70 to 87.70): VN064983.D (-1203) (-)

Ion 59.00 (58.70 to 59.70): VN064983.D (-1203) (-)





#23

Vinyl Acetate

Concen: 254.696 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1284584

Ion Ratio Lower Upper

43 100

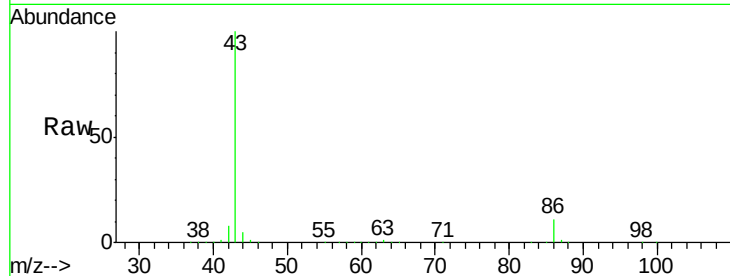
86 10.7 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064983.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064983.D (-1184) (-)

5.85

400000

300000

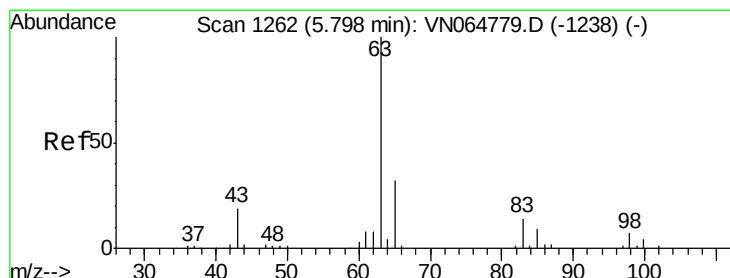
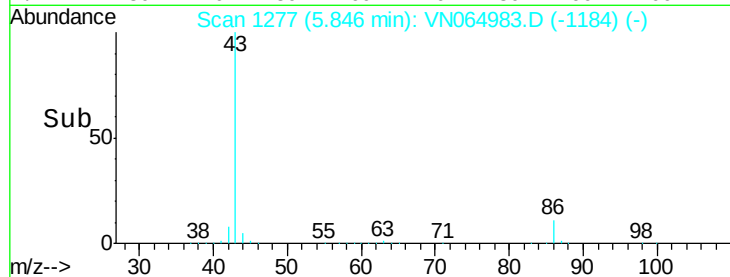
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.602 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

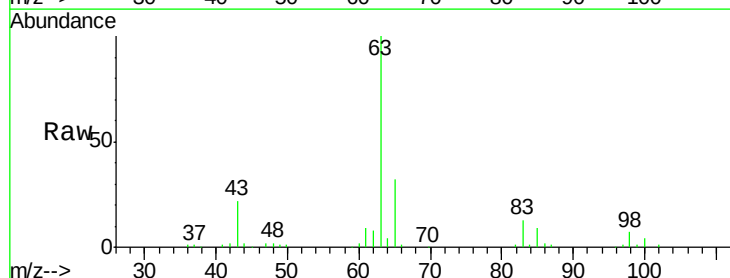
Tgt Ion: 63 Resp: 190733

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064983.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064983.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064983.D (-1169) (-)

80000

60000

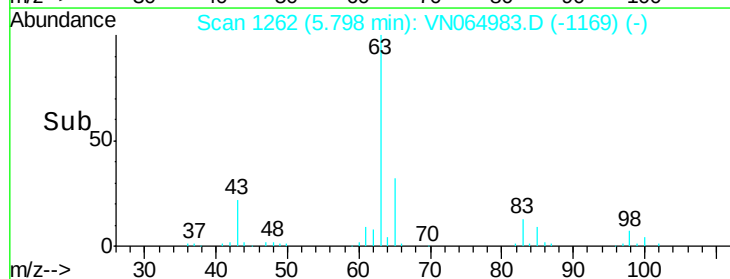
40000

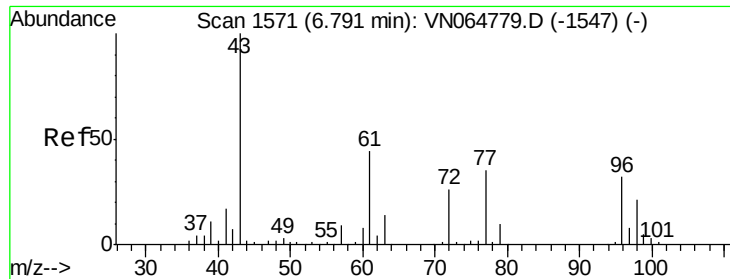
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 243.370 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 297046

Ion Ratio Lower Upper

43 100

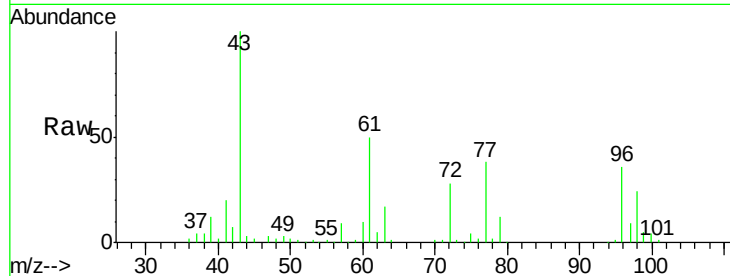
72 27.9 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1547) (-)

Ion 72.00 (71.70 to 72.70): VN064779.D (-1547) (-)

6.79

120000

100000

80000

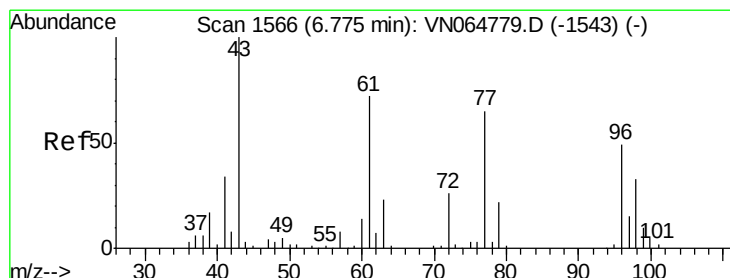
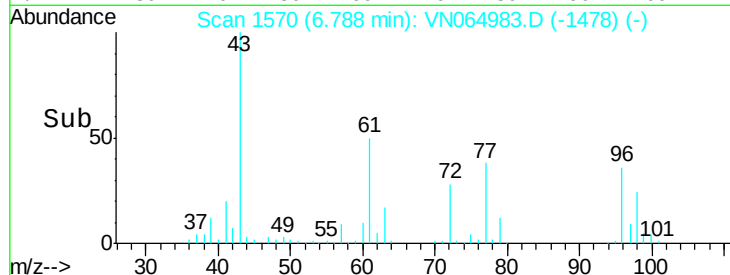
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 44.940 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064983.D

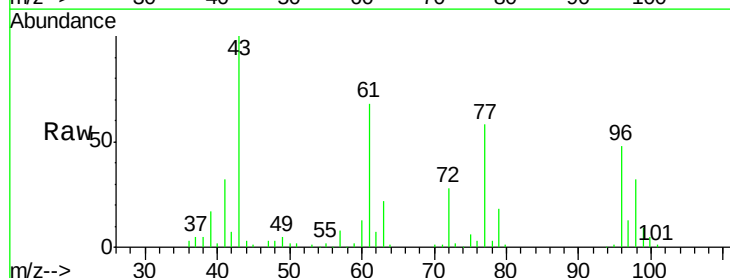
Acq: 8 Dec 2020 20:38

Tgt Ion: 77 Resp: 146916

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN064779.D (-1543) (-)

Ion 96.90 (96.60 to 97.60): VN064779.D (-1543) (-)

6.78

50000

40000

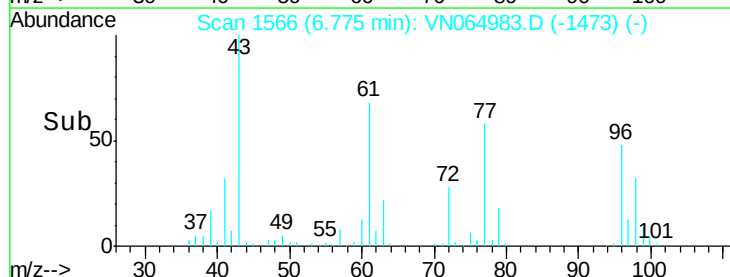
30000

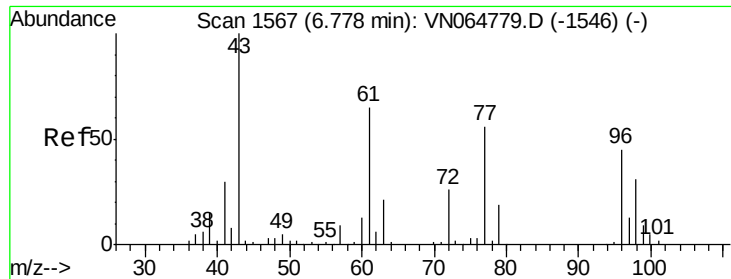
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.262 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

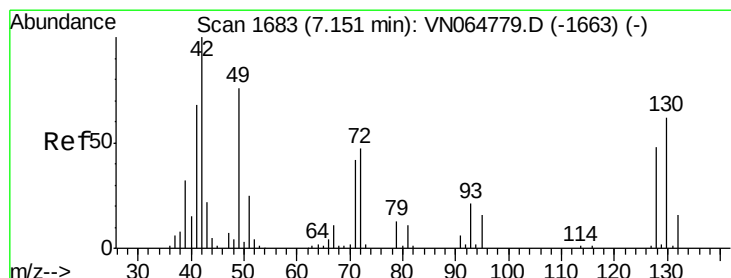
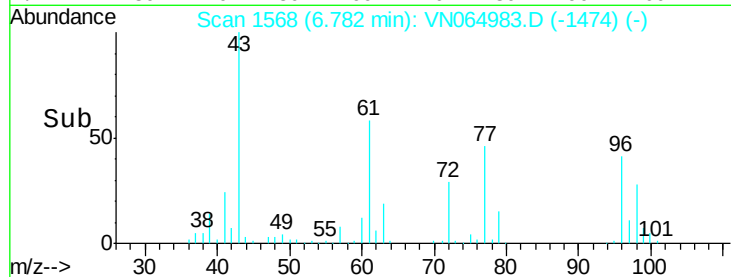
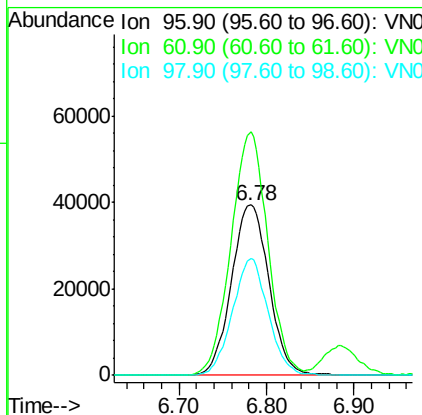
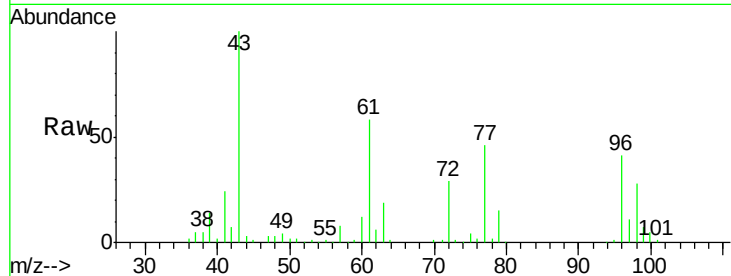
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	117606
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	285.8
98	65.3	0.0	130.6

Manual Integrations
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MMDadoda
12/10/2020 9:55:50 AM



#28

Bromochloromethane

Concen: 47.185 ug/l

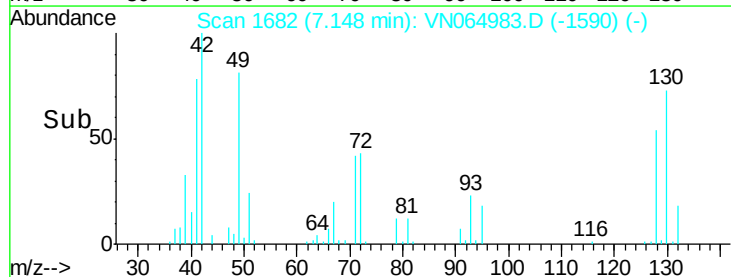
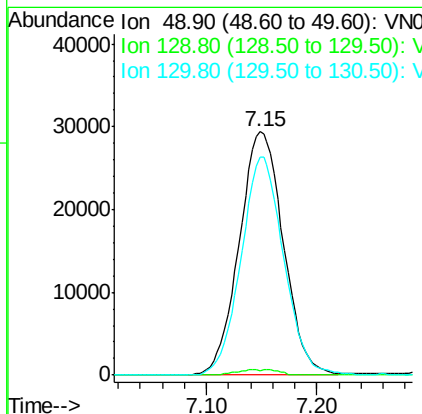
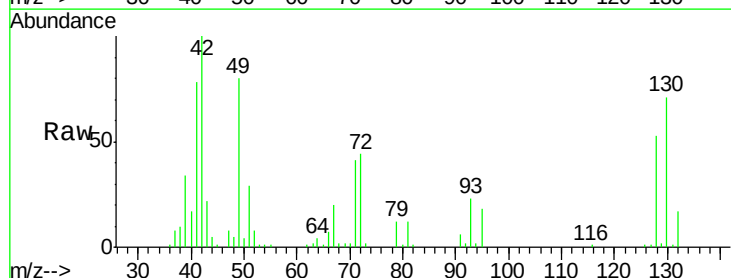
RT: 7.15 min Scan# 1682

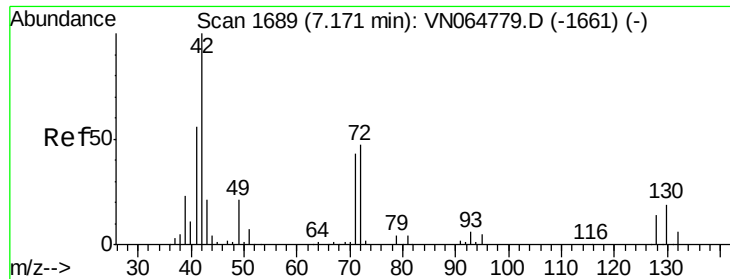
Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion:	49	Resp:	81364
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	86.6	66.2	99.2





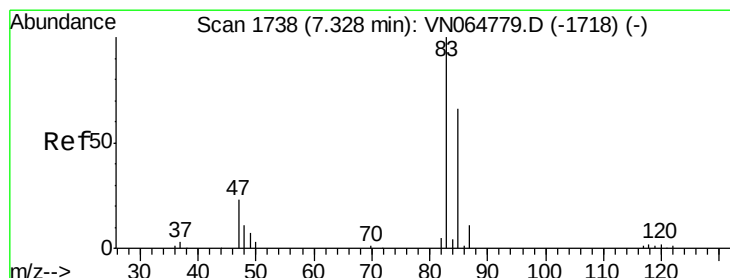
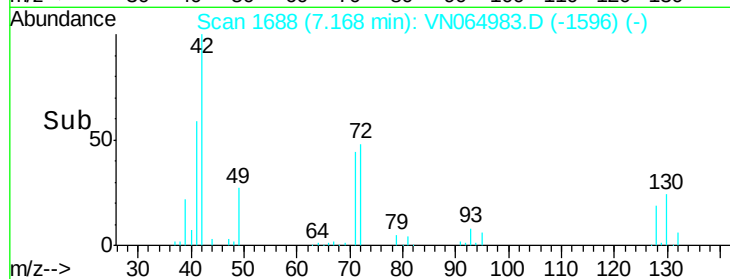
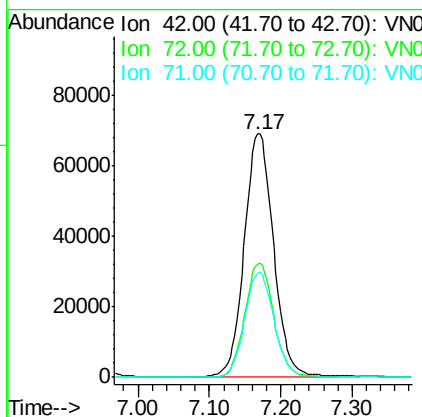
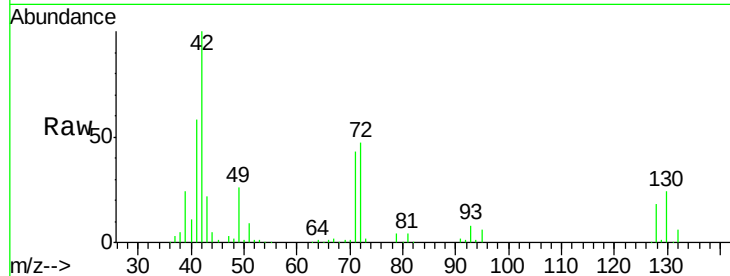
#29
Tetrahydrofuran
Concen: 234.965 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	54.8
71	43.0	33.6	50.4

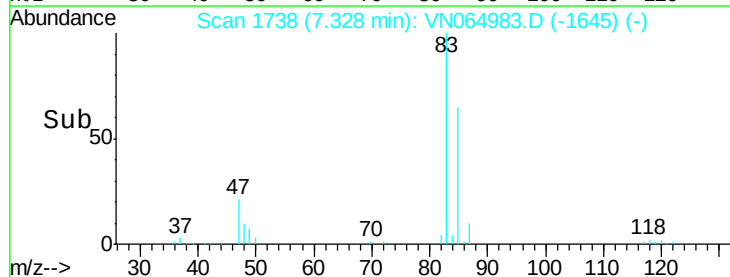
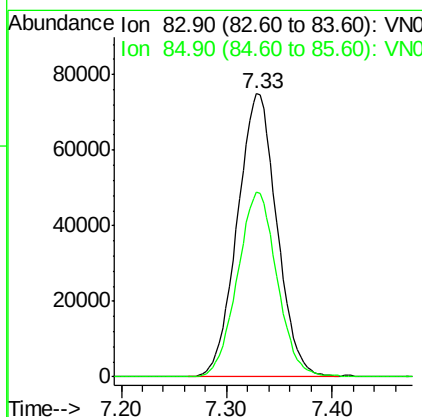
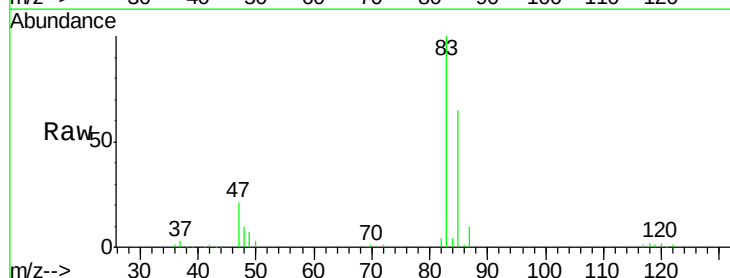
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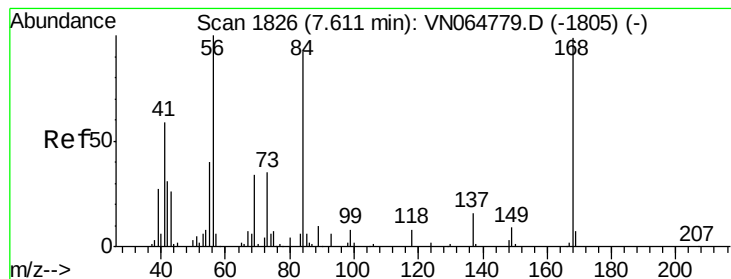
MMDadoda
12/10/2020 9:55:50 AM



#30
Chloroform
Concen: 50.283 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8





#31

Cyclohexane

Concen: 43.807 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 139847

Ion Ratio Lower Upper

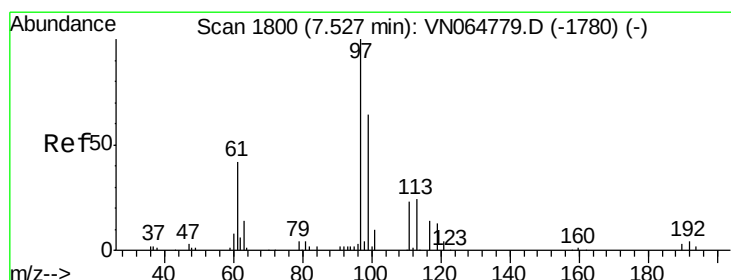
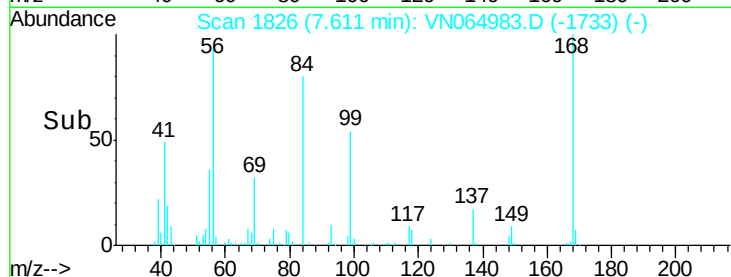
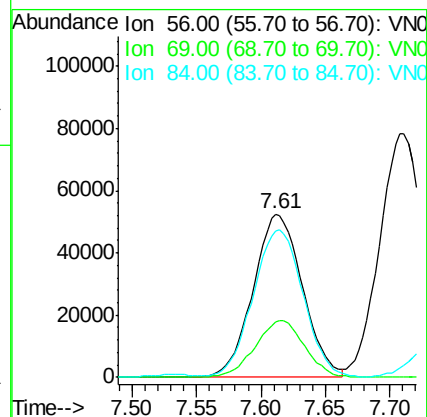
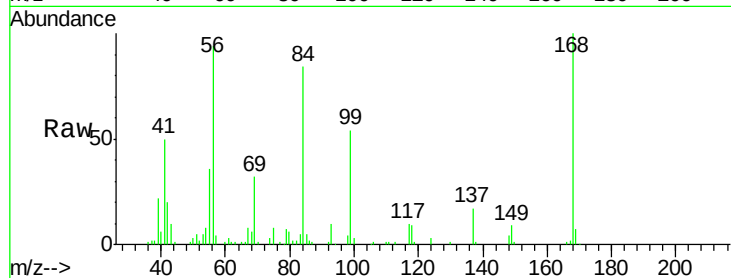
56 100

69 33.7 27.5 41.3

84 88.0 73.9 110.9

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:55:50 AM



#32

1,1,1-Trichloroethane

Concen: 50.244 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

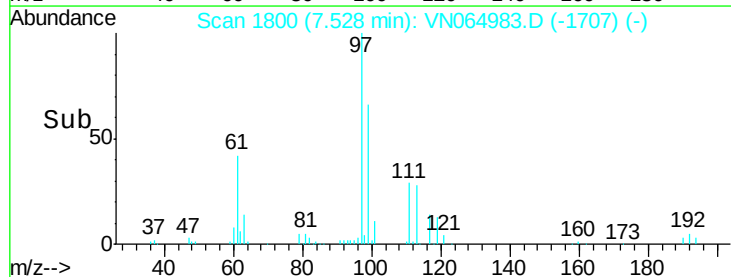
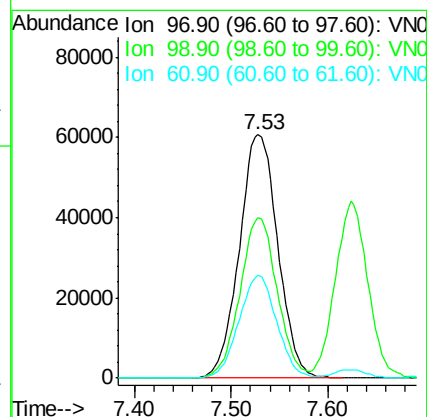
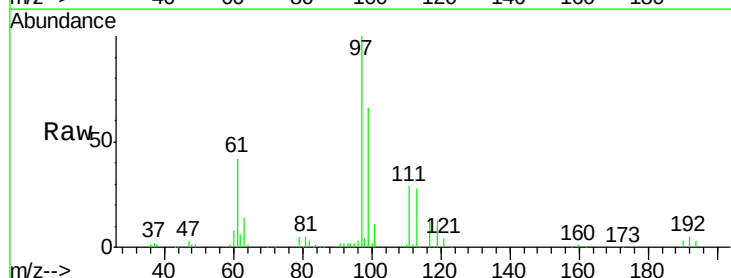
Tgt Ion: 97 Resp: 167738

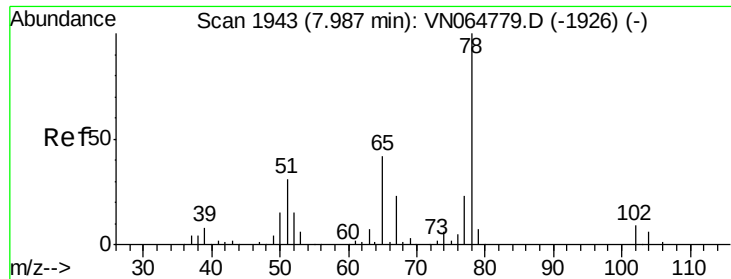
Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

61 41.5 33.9 50.9





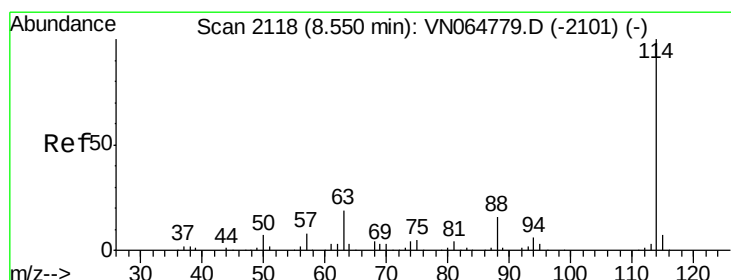
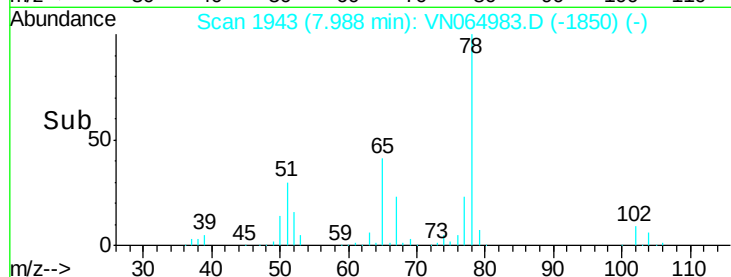
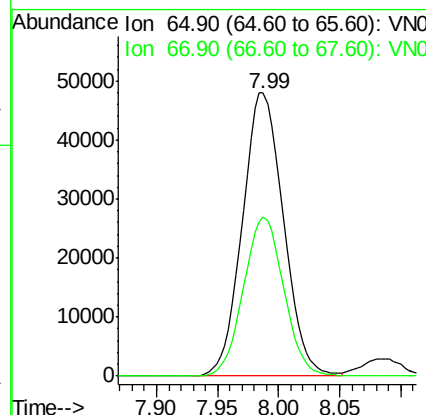
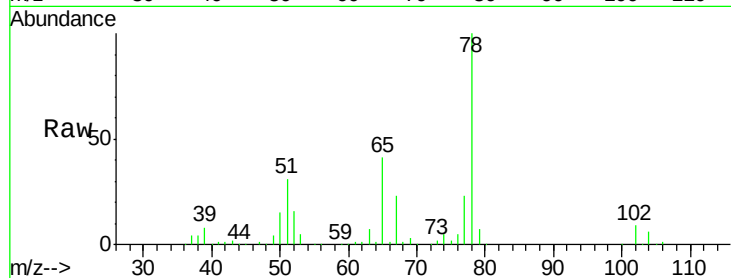
#33
 1,2-Dichloroethane-d4
 Concen: 48.886 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	108.2	

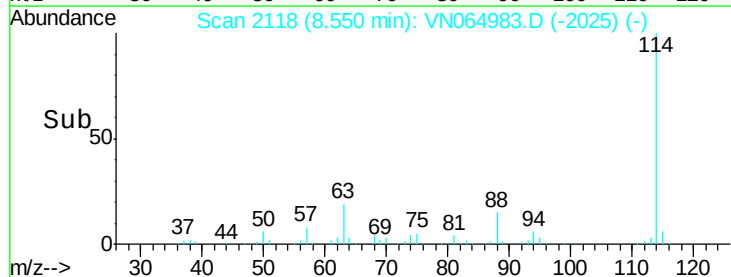
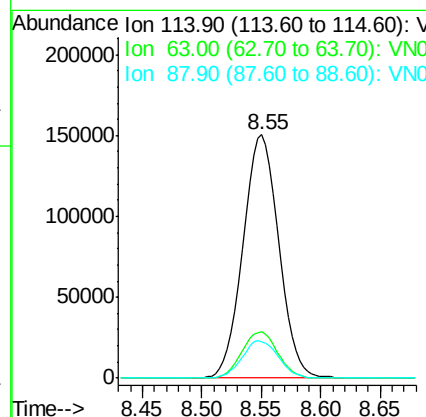
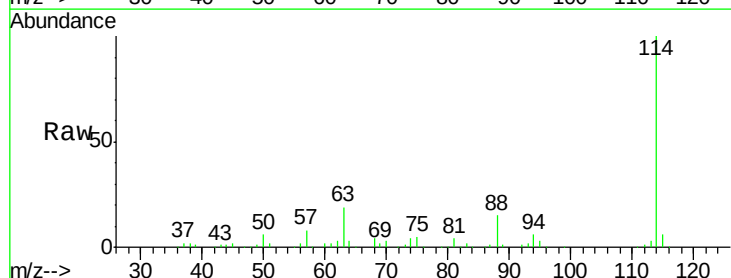
Manual Integrations
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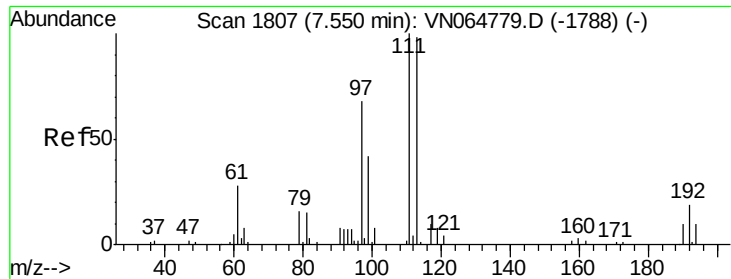
MMDadoda
 12/10/2020 9:55:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	38.6	
88	14.9	0.0	32.6	





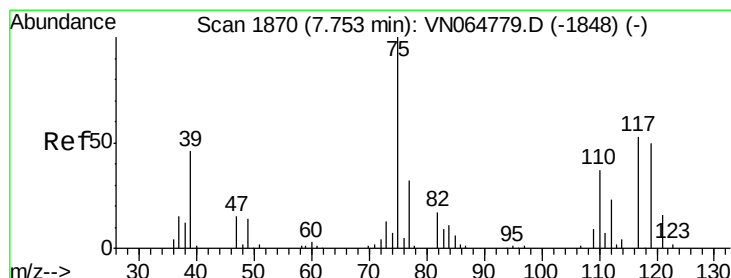
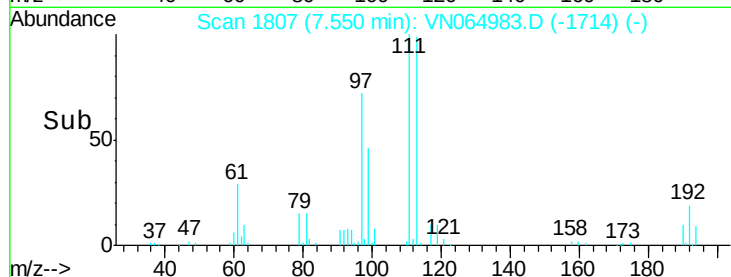
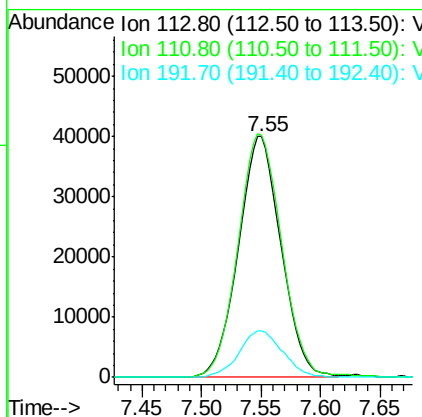
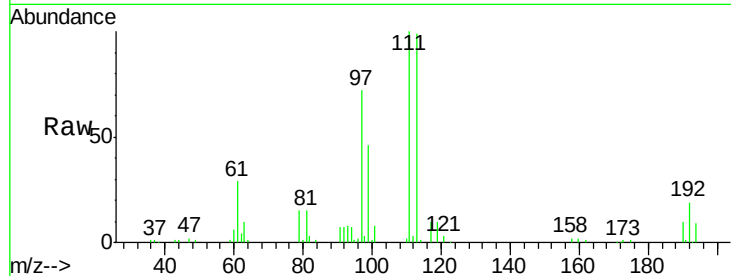
#35
Dibromofluoromethane
Concen: 52.781 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	99268		
111	103.9	81.6	122.4	
192	19.8	16.2	24.2	

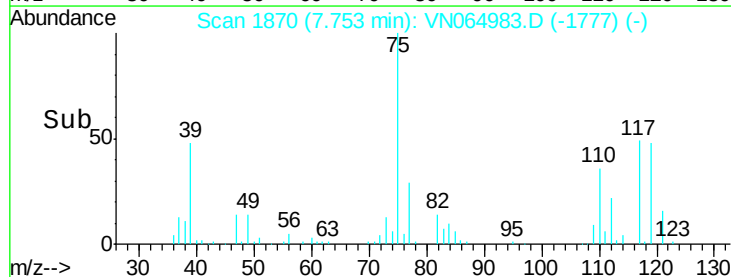
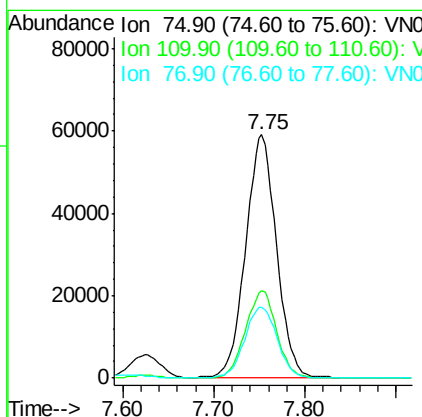
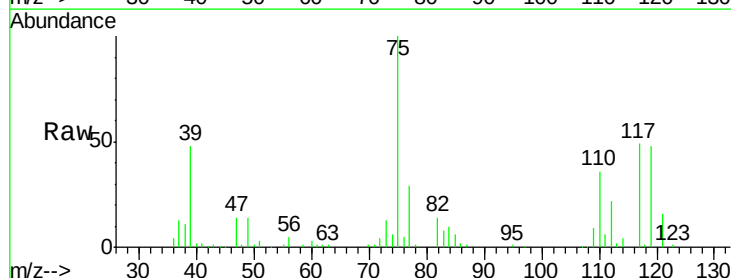
Manual Integrations
APPROVED

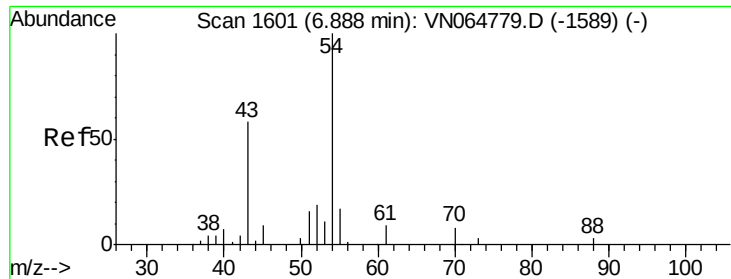
MMDadoda
12/10/2020 9:55:50 AM



#36
1,1-Dichloropropene
Concen: 47.830 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139348		
110	36.1	17.8	53.3	
77	30.8	25.0	37.4	





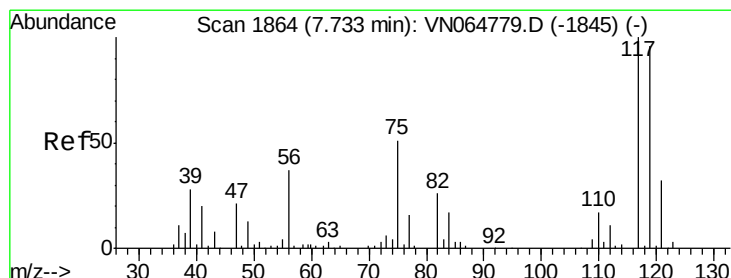
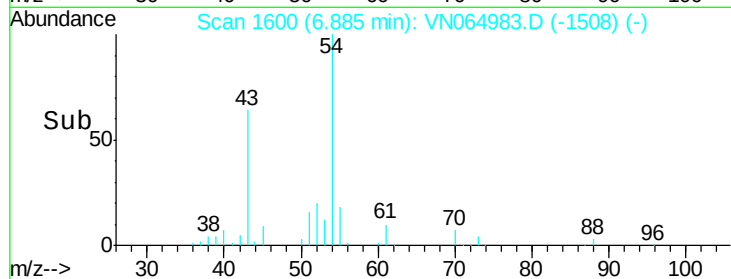
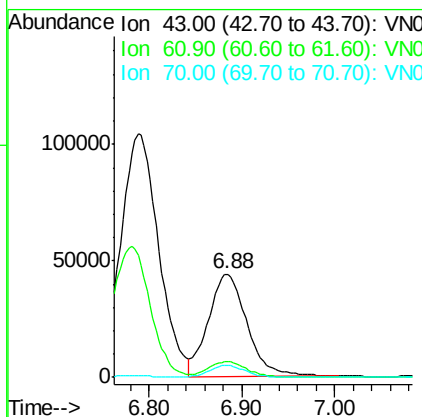
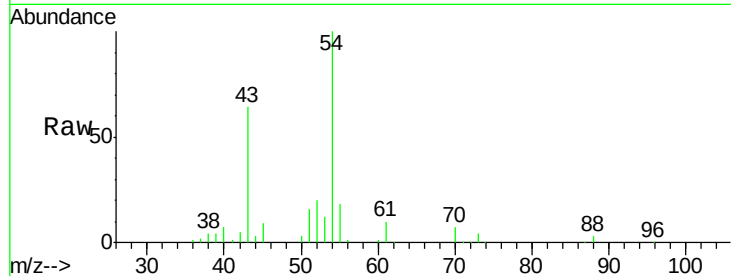
#37
Ethyl Acetate
Concen: 45.101 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.8	19.2
70	11.3	8.8	13.2

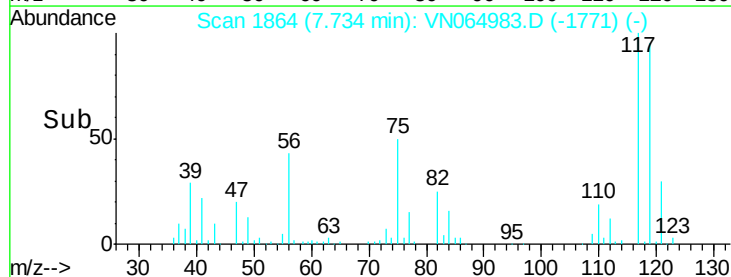
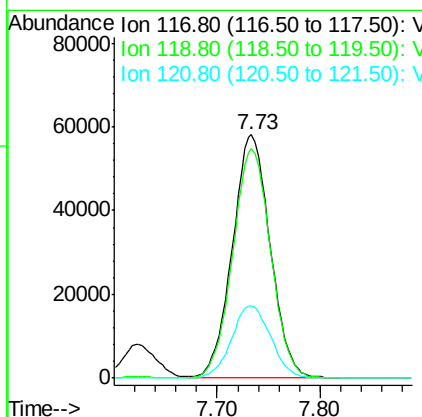
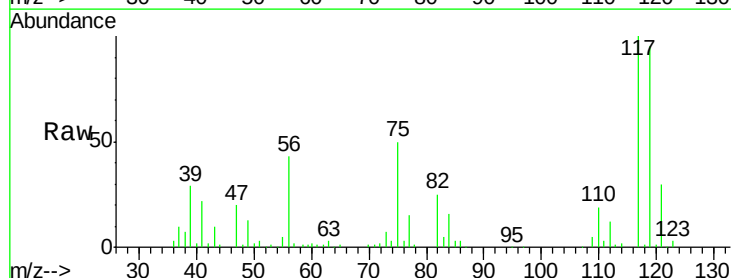
Manual Integrations
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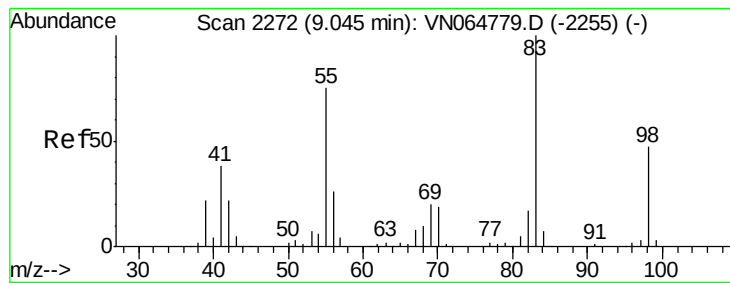
MMDadoda
12/10/2020 9:55:50 AM



#38
Carbon Tetrachloride
Concen: 48.875 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.7	115.1
121	29.6	25.4	38.2





#39

Methylvlcyclohexane

Concen: 43.614 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 136787

Ion Ratio Lower Upper

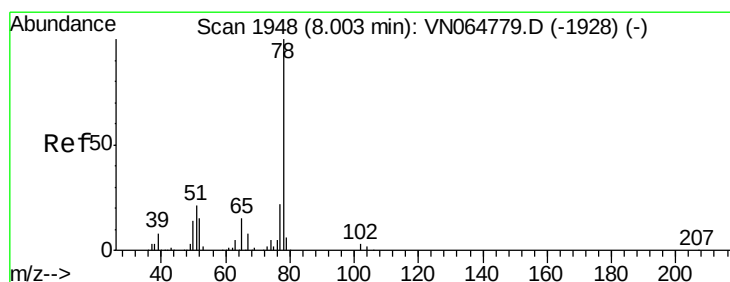
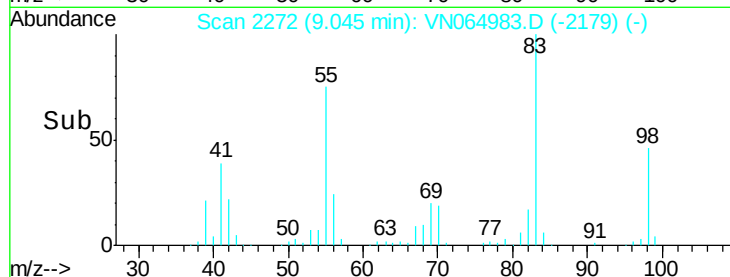
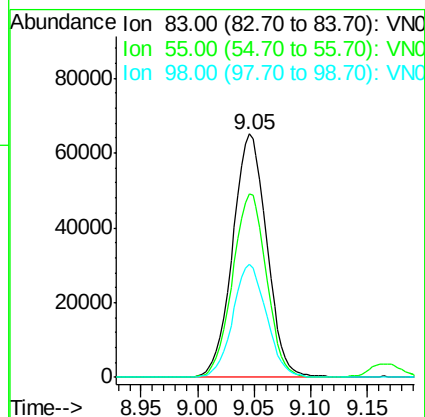
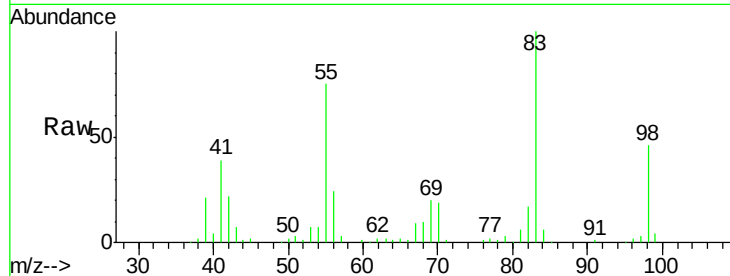
83 100

55 75.3 60.2 90.2

98 46.4 37.4 56.2

Manual Integrations
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MMDadoda
12/10/2020 9:55:50 AM



#40

Benzene

Concen: 48.514 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064983.D

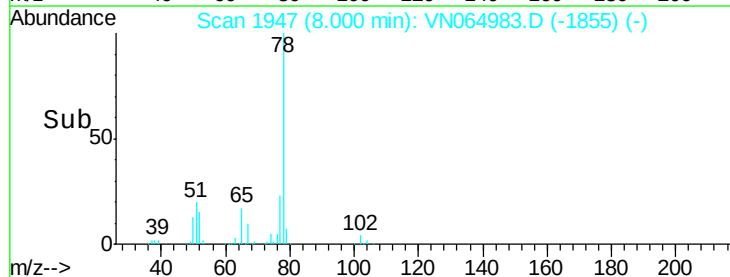
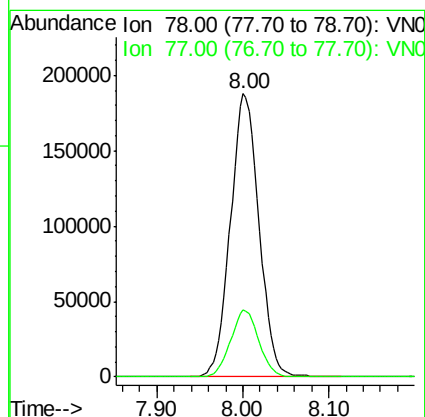
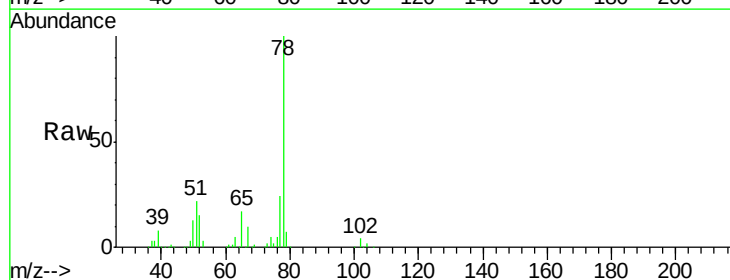
Acq: 8 Dec 2020 20:38

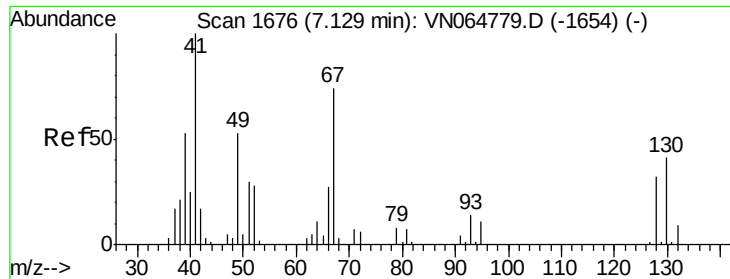
Tgt Ion: 78 Resp: 433121

Ion Ratio Lower Upper

78 100

77 23.5 17.9 26.9





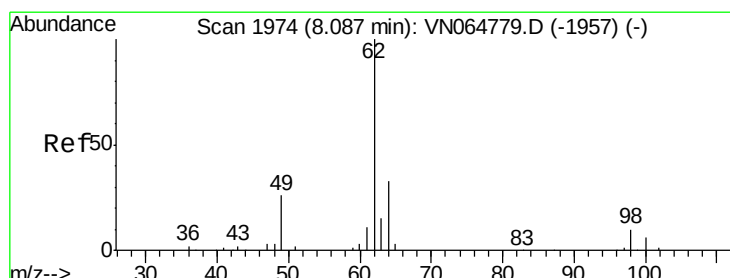
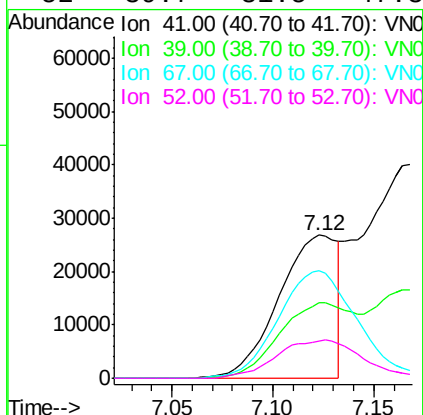
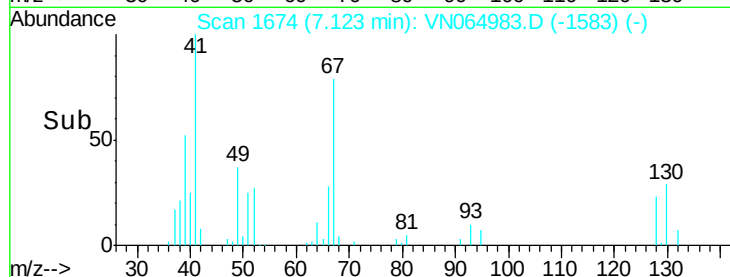
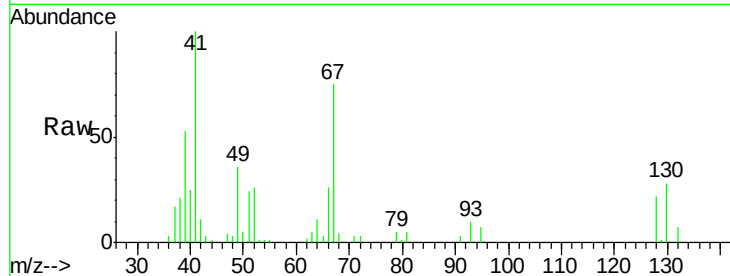
#41
Methacrylonitrile
Concen: 41.708 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	54009
Ion	Ratio	Lower	Upper
41	100		
39	65.9	51.0	76.6
67	101.9	79.8	119.8
52	39.7	31.5	47.3

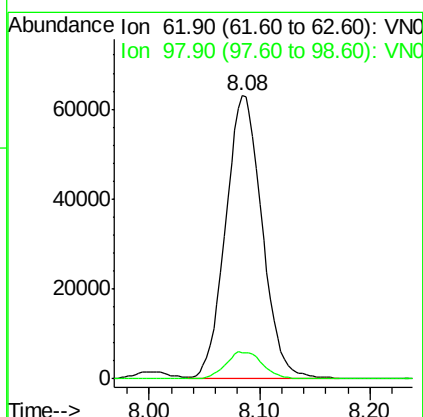
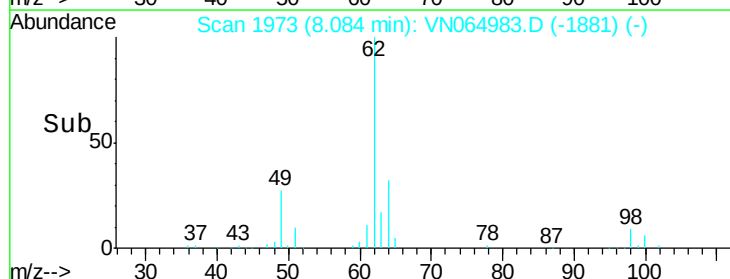
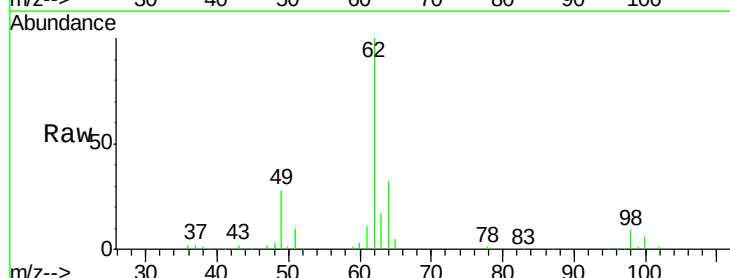
Manual Integrations
APPROVED

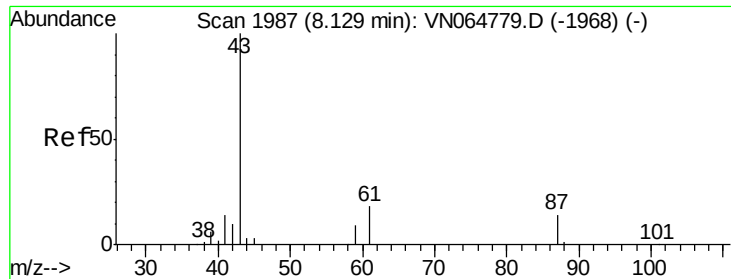
MMDadoda
12/10/2020 9:55:50 AM



#42
1,2-Dichloroethane
Concen: 47.584 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	62	Resp	143307
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

Isopropyl Acetate

Concen: 47.723 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

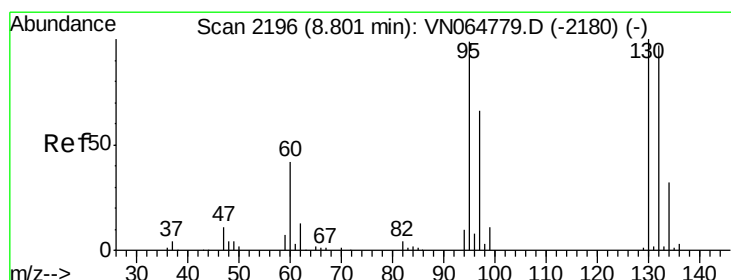
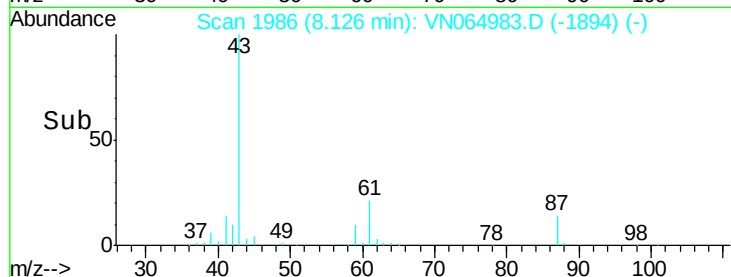
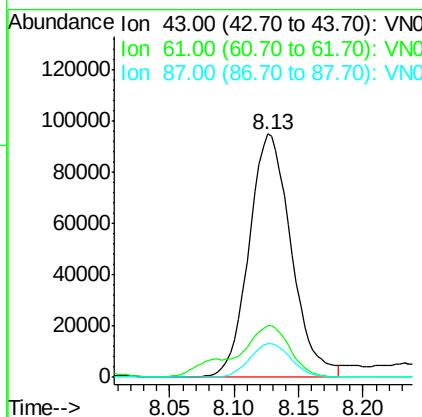
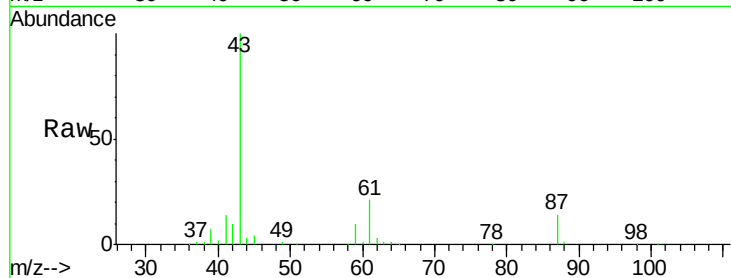
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	215507
Ion Ratio		Lower	Upper
43	100		
61	27.5	17.2	25.8#
87	13.8	11.4	17.0

Manual Integrations
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MMDadoda
12/10/2020 9:55:50 AM



#44

Trichloroethene

Concen: 45.304 ug/l

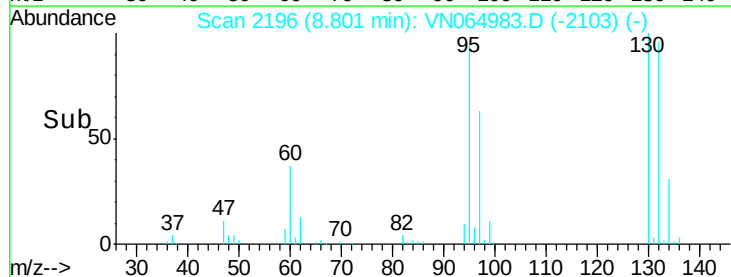
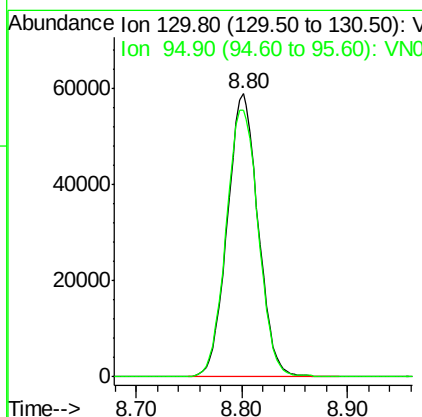
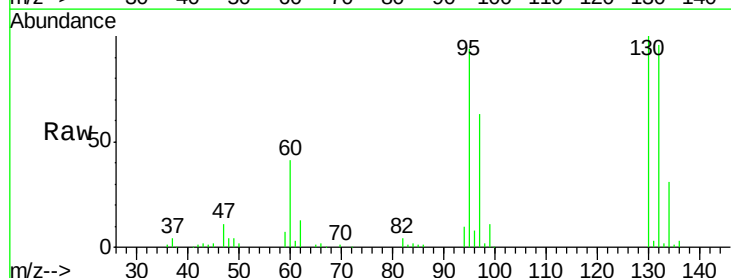
RT: 8.80 min Scan# 2196

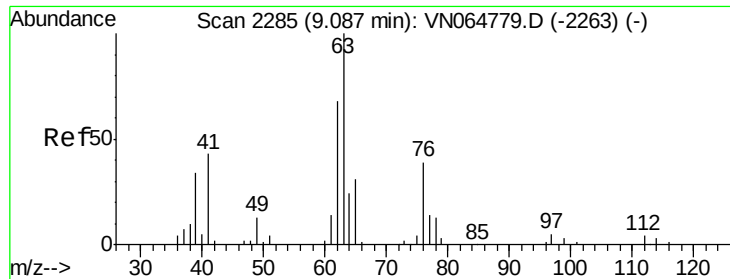
Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion:	130	Resp:	119337
Ion Ratio		Lower	Upper
130	100		
95	94.4	0.0	197.8





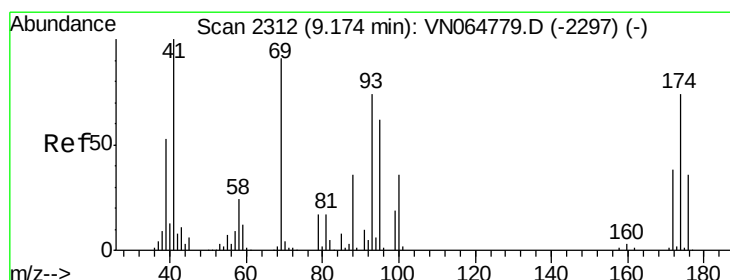
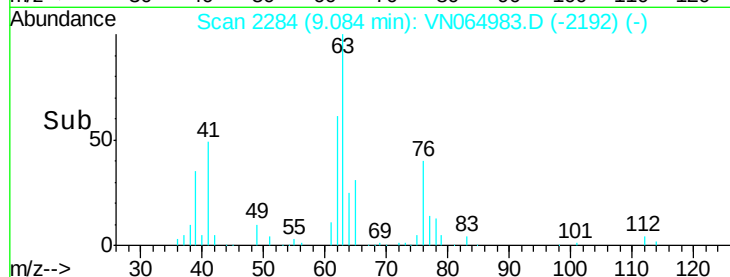
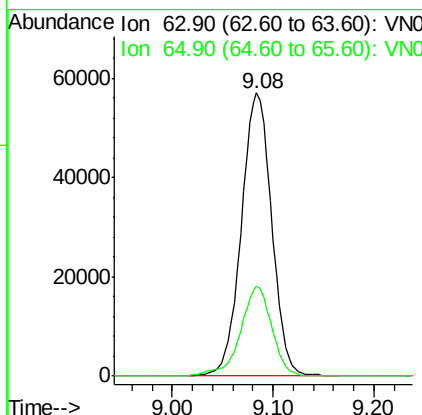
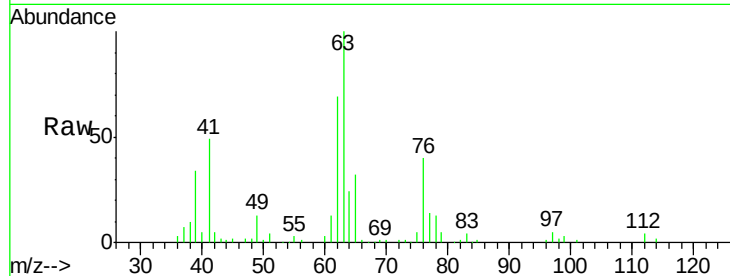
#45
 1,2-Dichloropropane
 Concen: 51.284 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 118568
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4

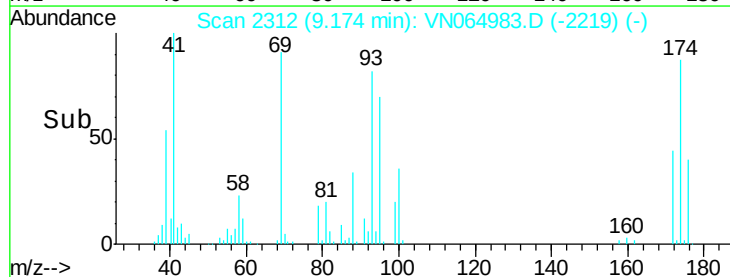
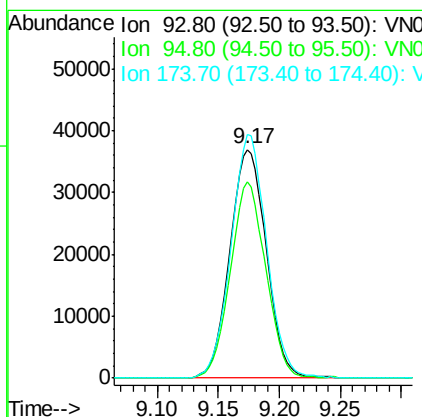
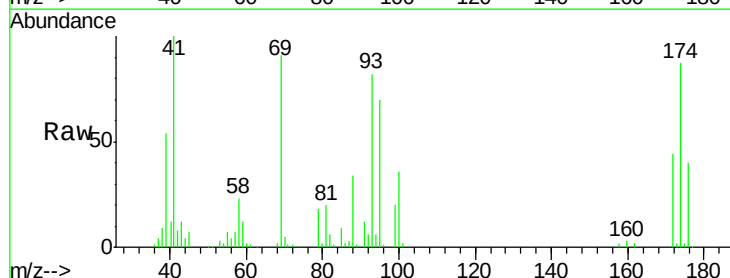
Manual Integrations
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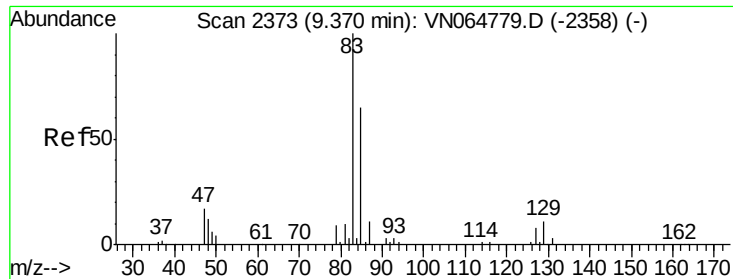
MMDadoda
 12/10/2020 9:55:50 AM



#46
 Dibromomethane
 Concen: 49.663 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion: 93 Resp: 76707
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.8 103.2
 174 104.0 83.1 124.7





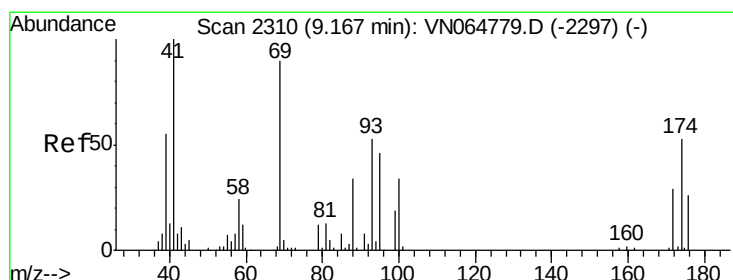
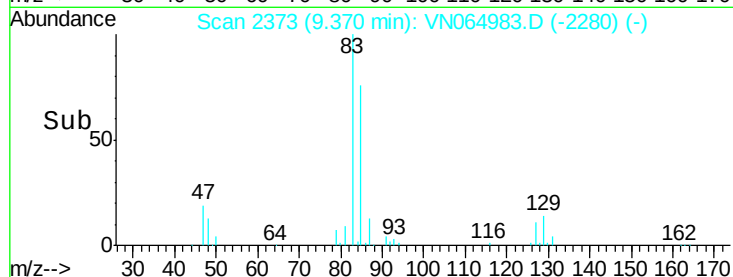
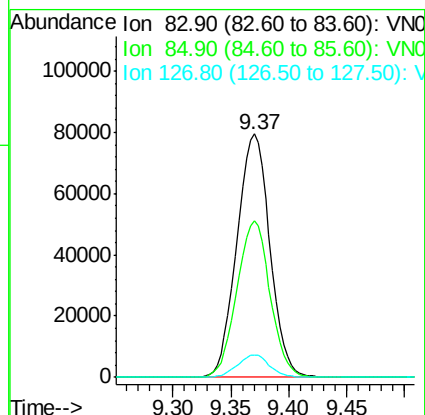
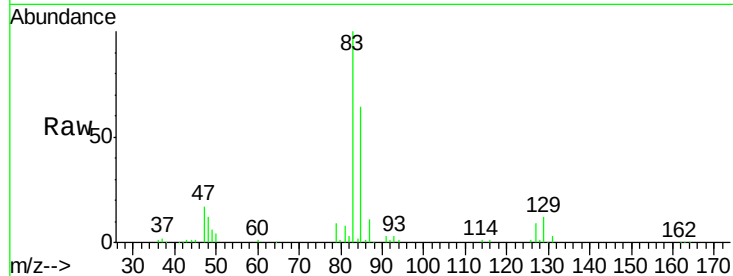
#47
Bromodichloromethane
Concen: 50.592 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	157230
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.8	77.8
127	9.4	6.8	10.2

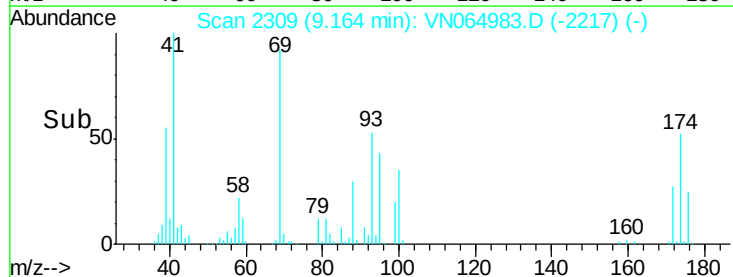
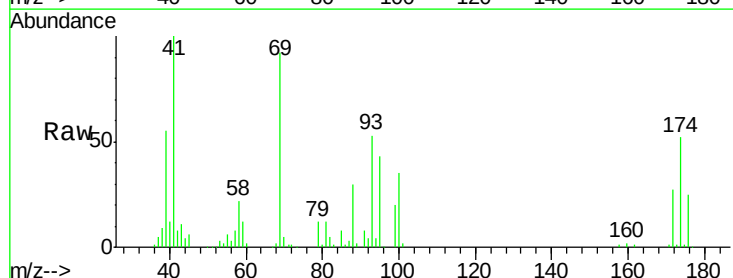
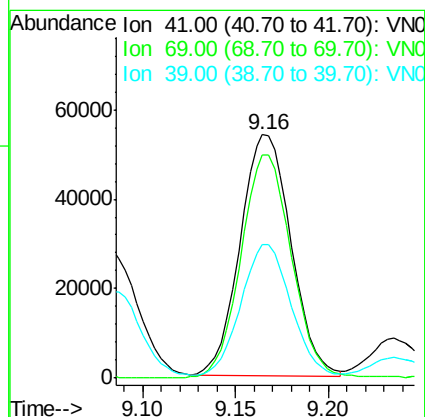
Manual Integrations
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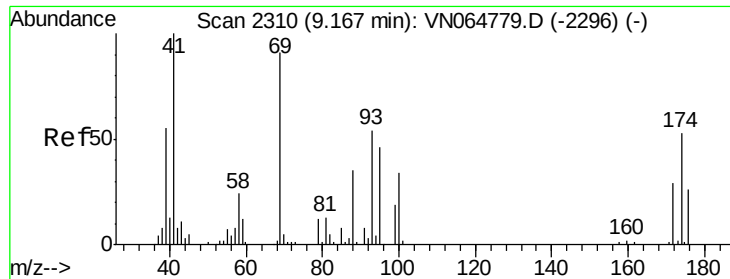
MMDadoda
12/10/2020 9:55:50 AM



#48
Methyl methacrylate
Concen: 47.553 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	41	Resp	102610
Ion Ratio	100	Lower	Upper
41	100		
69	93.0	71.8	107.8
39	55.5	44.1	66.1





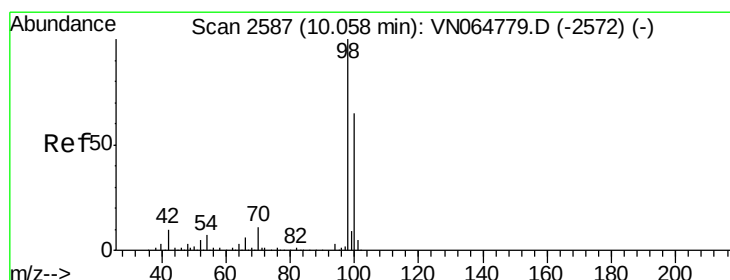
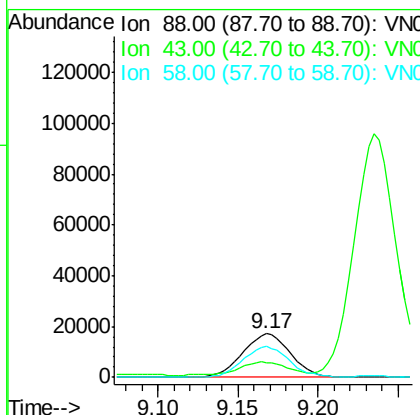
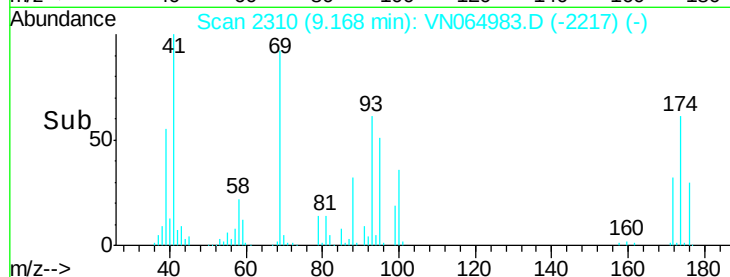
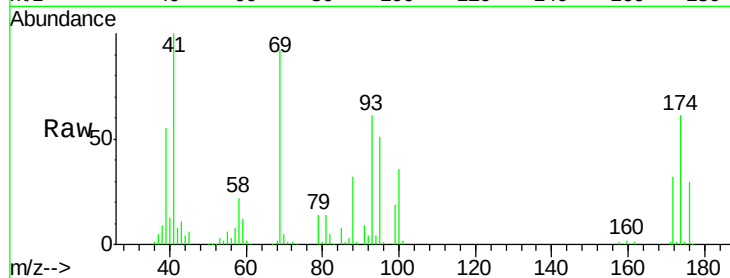
#49
1,4-Dioxane
Concen: 861.335 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.2	36.4
58	68.2	52.5	78.7

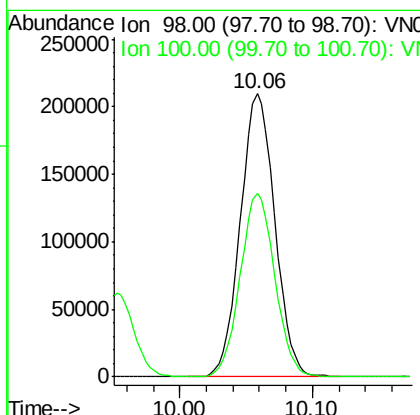
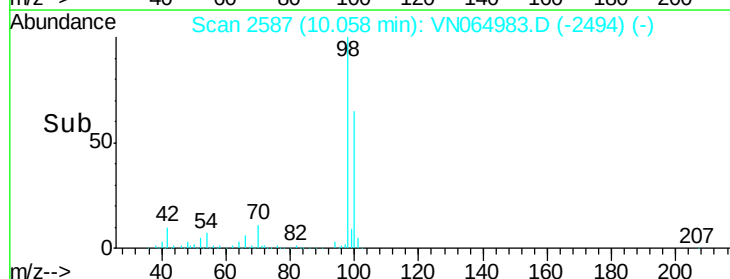
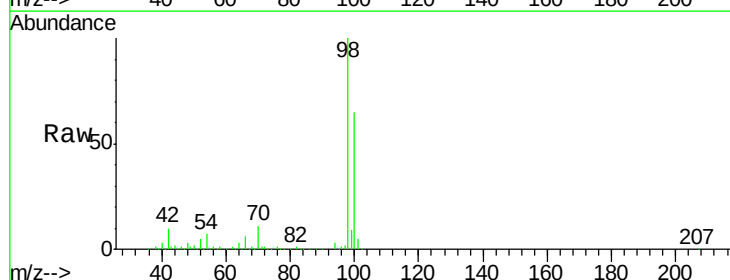
Manual Integrations
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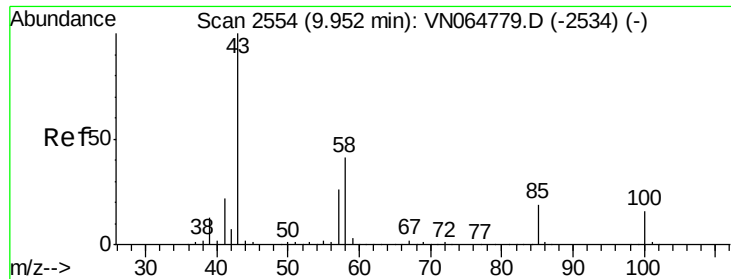
MMDadoda
12/10/2020 9:55:50 AM



#50
Toluene-d8
Concen: 49.283 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 240.390 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 651710

Ion Ratio Lower Upper

43 100

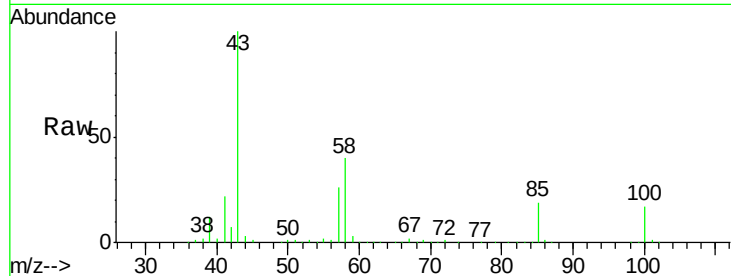
58 40.2 32.4 48.6

Manual Integrations

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MMDadoda

12/10/2020 9:55:50 AM



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

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

9.95

400000

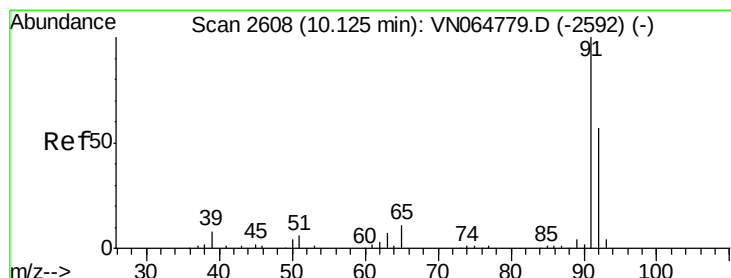
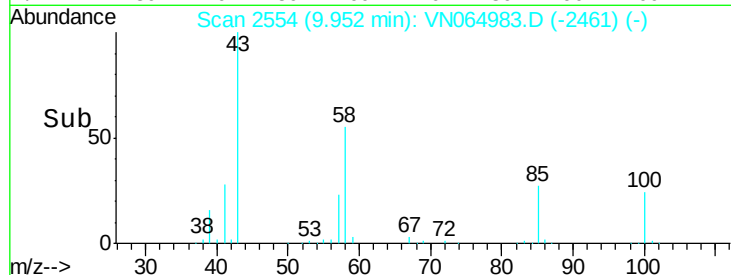
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.816 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064983.D

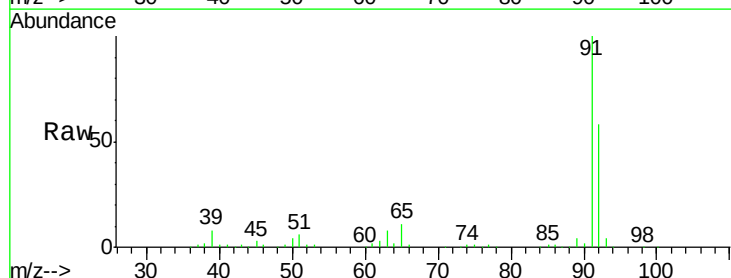
Acq: 8 Dec 2020 20:38

Tgt Ion: 92 Resp: 273887

Ion Ratio Lower Upper

92 100

91 173.3 139.1 208.7



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

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

10.12

300000

250000

200000

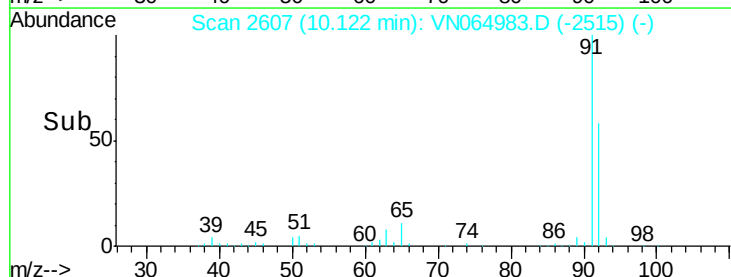
150000

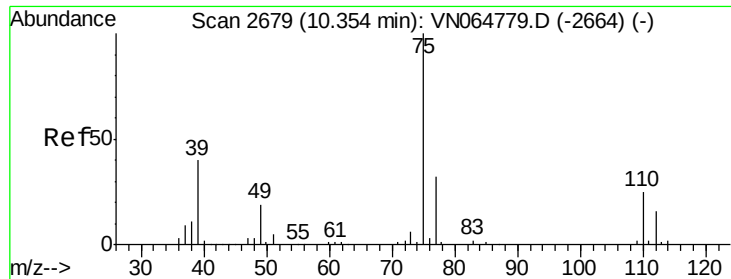
100000

50000

0

Time-->





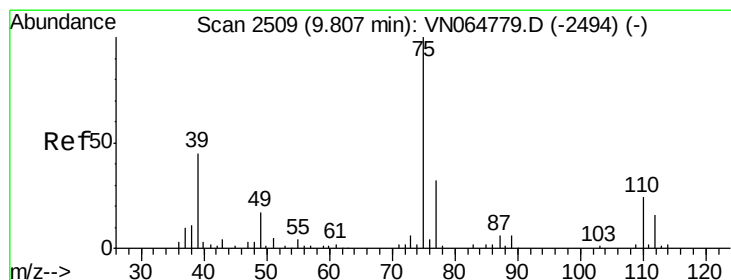
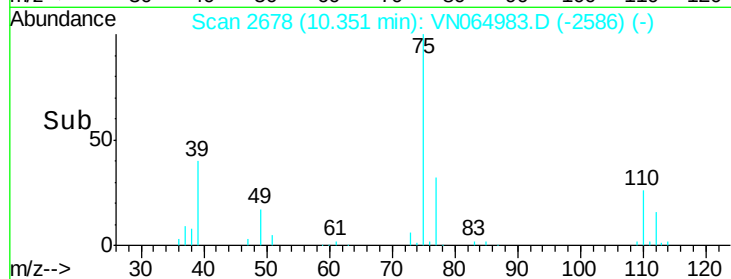
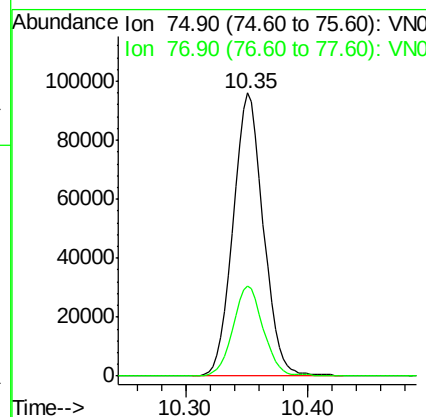
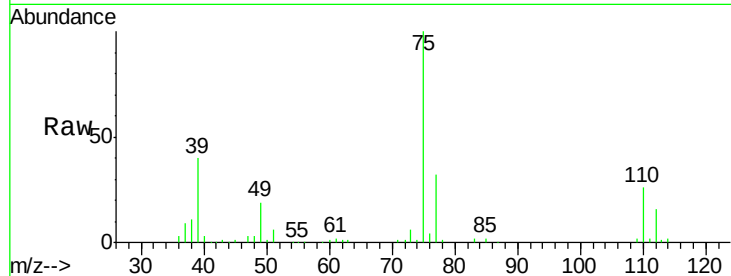
#53
t-1,3-Dichloropropene
Concen: 48.025 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 166240
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6

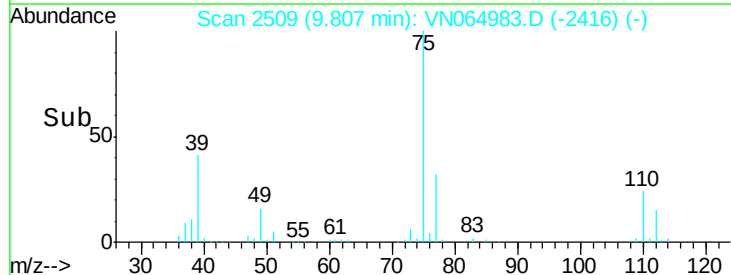
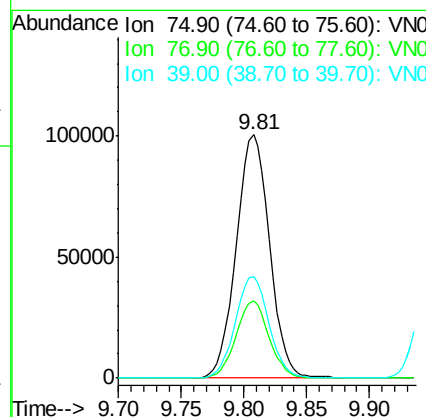
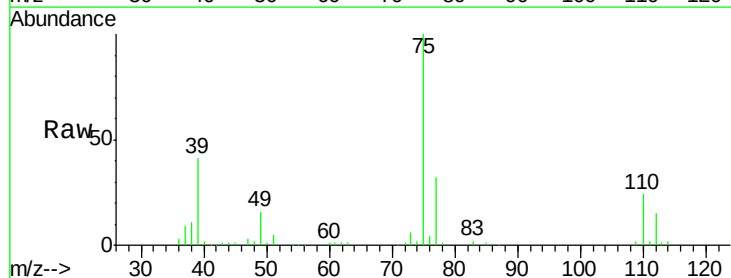
Manual Integrations
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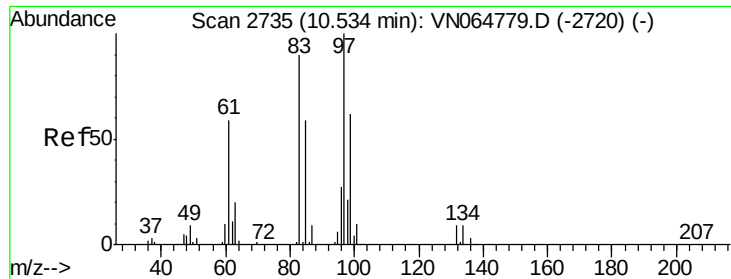
MMDadoda
12/10/2020 9:55:50 AM



#54
cis-1,3-Dichloropropene
Concen: 50.122 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion: 75 Resp: 185967
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 41.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 50.094 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

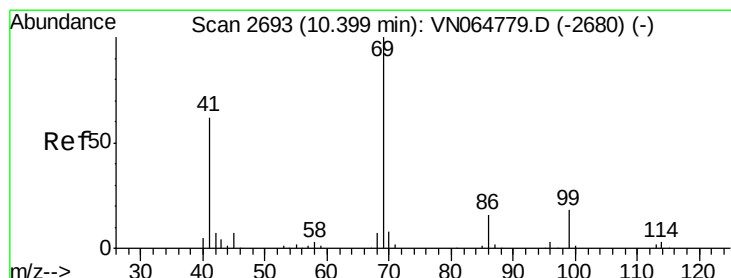
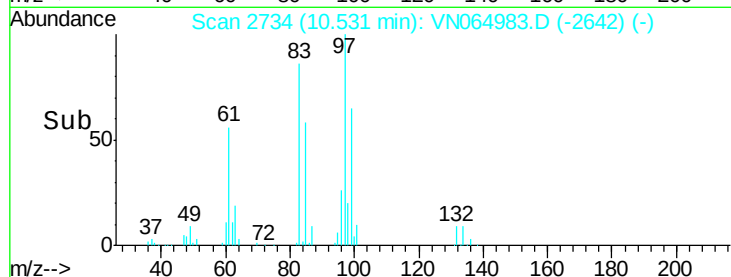
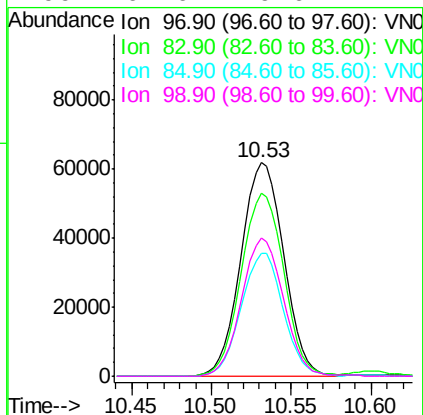
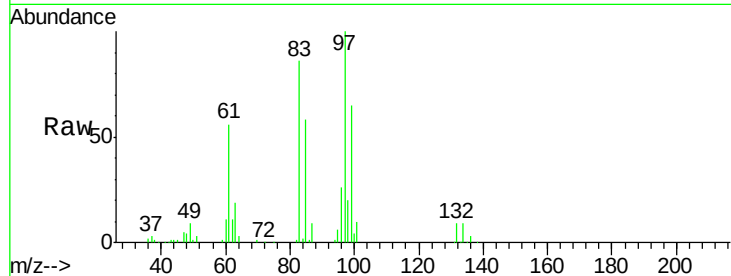
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	113254
Ion	Ratio	Lower	Upper
97	100		
83	85.6	72.1	108.1
85	57.8	46.8	70.2
99	64.6	49.6	74.4

Manual Integrations
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MMDadoda
12/10/2020 9:55:50 AM



#56

Ethyl methacrylate

Concen: 50.896 ug/l

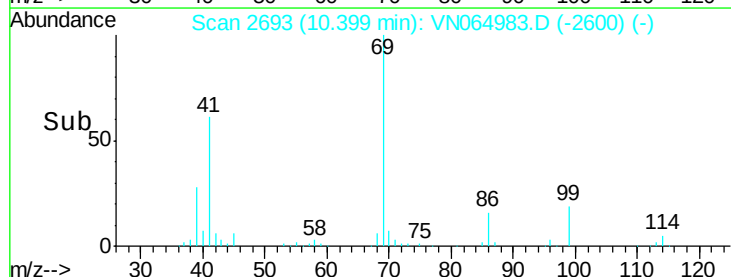
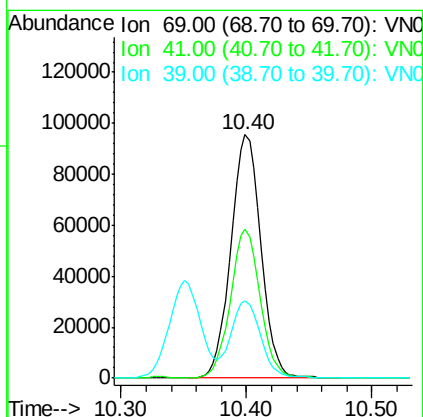
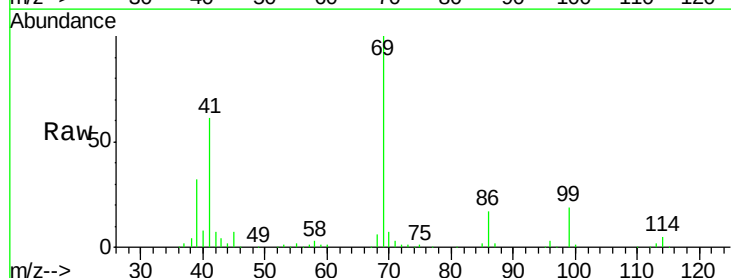
RT: 10.40 min Scan# 2693

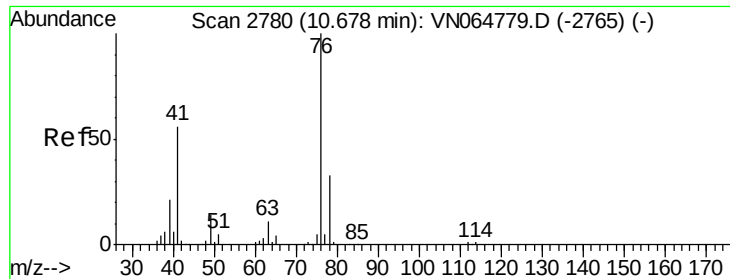
Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion:	69	Resp:	158788
Ion	Ratio	Lower	Upper
69	100		
41	60.1	49.4	74.0
39	31.1	25.9	38.9





#57

1,3-Dichloropropane

Concen: 49.763 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 185586

Ion Ratio Lower Upper

76 100

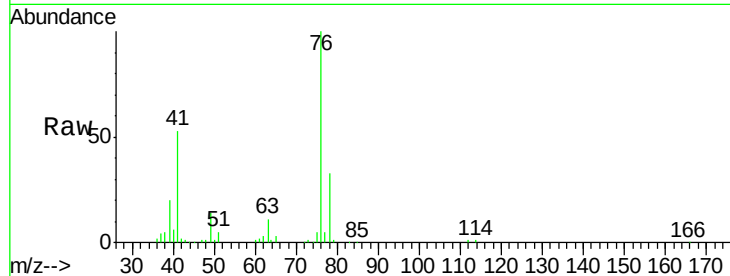
78 32.4 26.1 39.1

Manual Integrations

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MMDadoda

12/10/2020 9:55:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

120000

100000

80000

60000

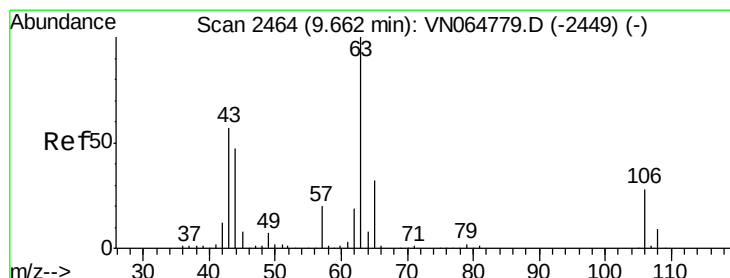
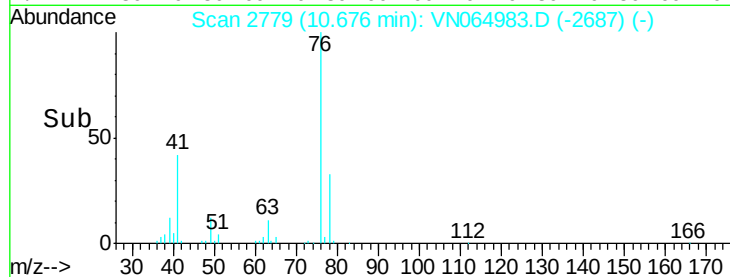
40000

20000

0

10.60 10.65 10.70 10.75

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 241.649 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064983.D

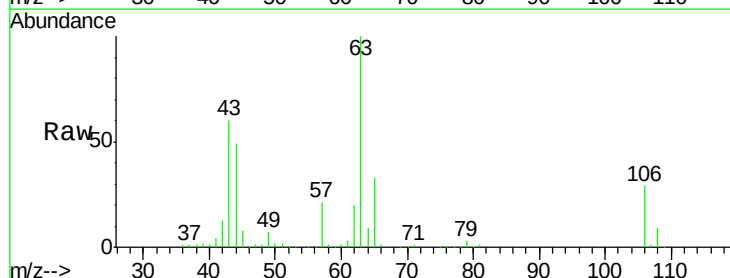
Acq: 8 Dec 2020 20:38

Tgt Ion: 63 Resp: 414705

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

250000

200000

150000

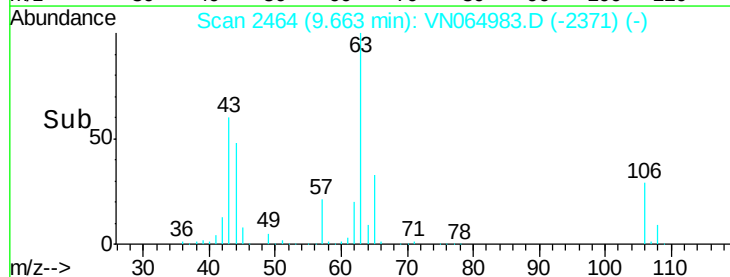
100000

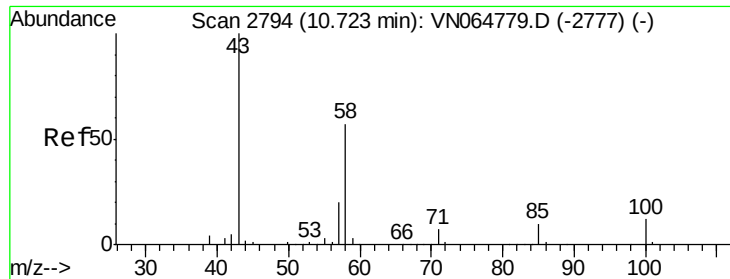
50000

0

9.60 9.65 9.70 9.75

Time-->





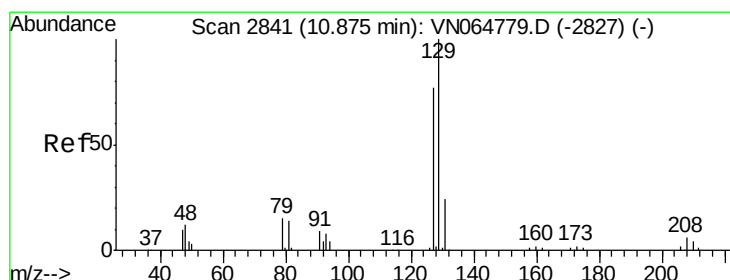
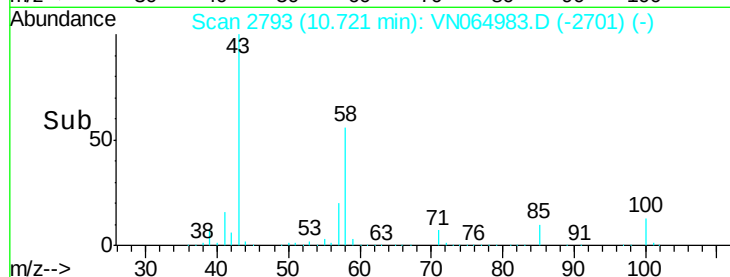
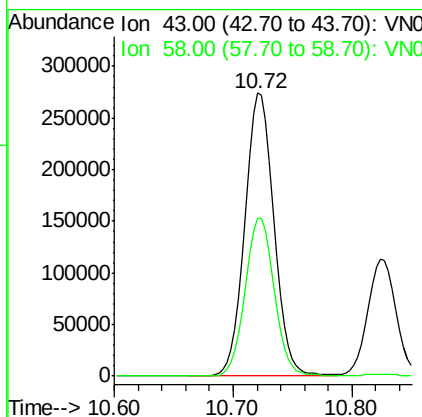
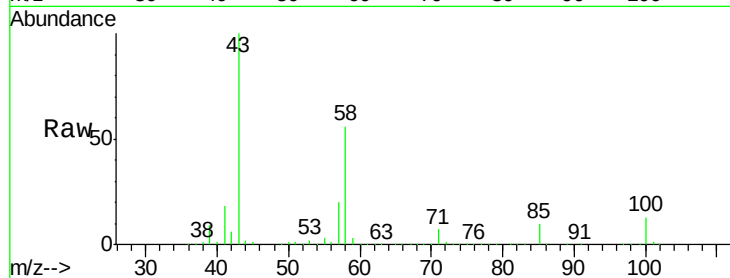
#59
2-Hexanone
Concen: 237.122 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 462651
Ion Ratio Lower Upper
43 100
58 56.3 28.3 84.9

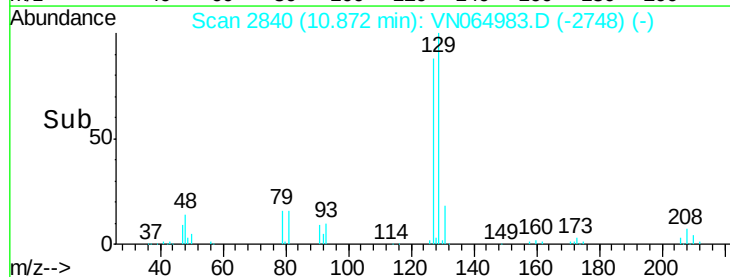
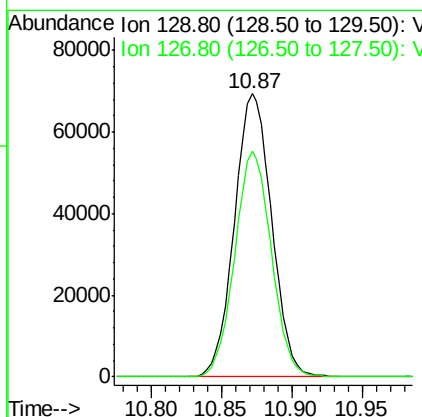
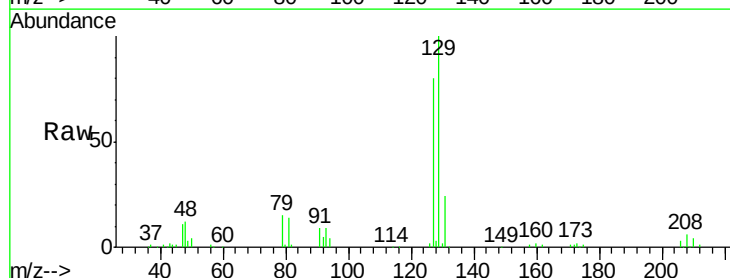
Manual Integrations
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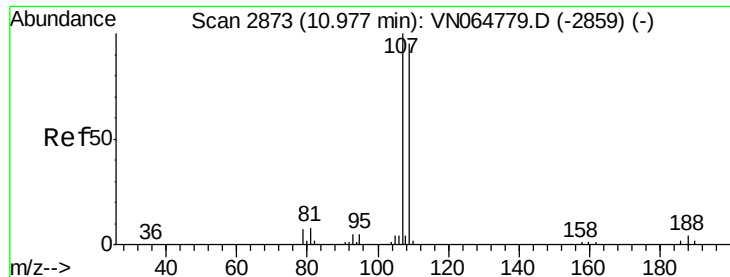
MMDadoda
12/10/2020 9:55:50 AM



#60
Dibromochloromethane
Concen: 51.063 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion: 129 Resp: 128327
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





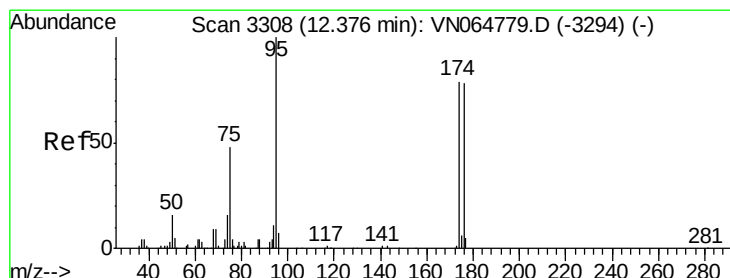
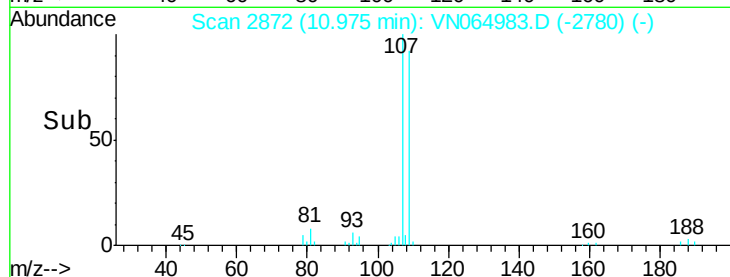
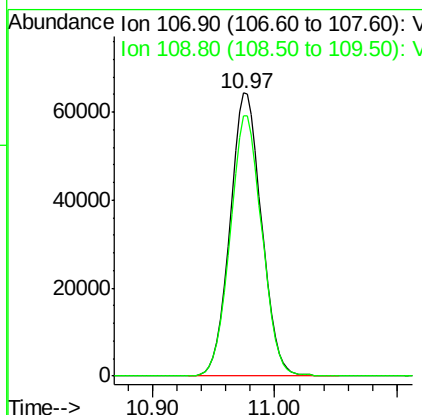
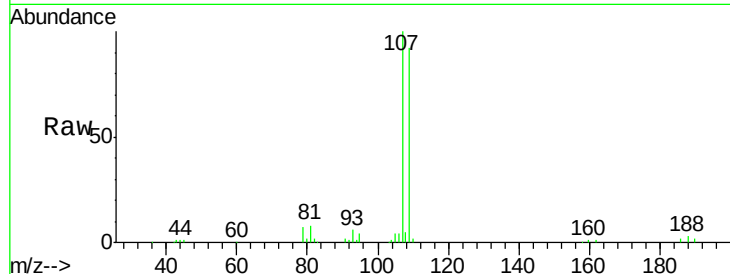
#61
 1,2-Dibromoethane
 Concen: 50.311 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	115561		
109	92.7	76.0	114.0	

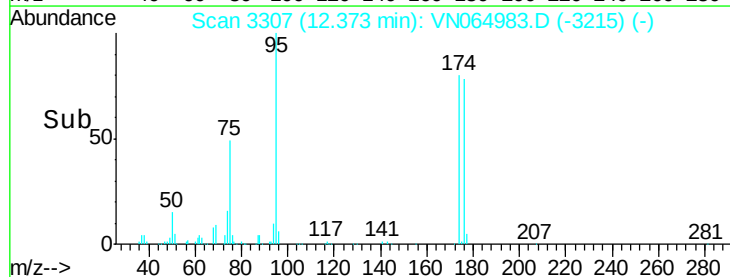
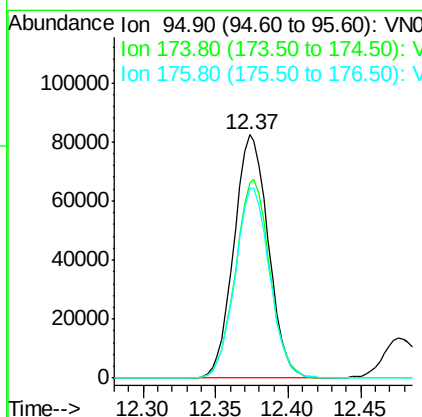
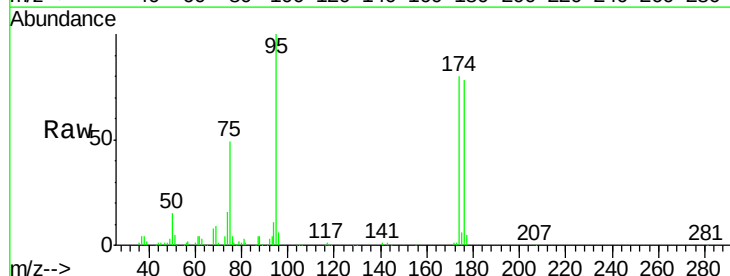
Manual Integrations
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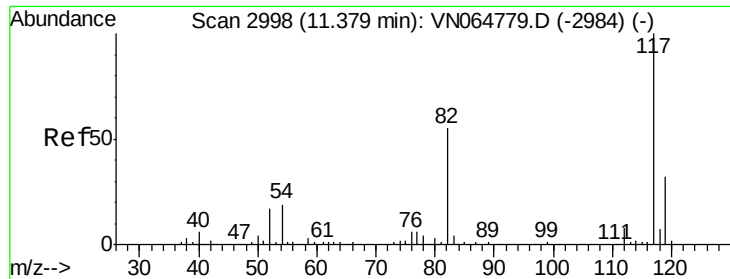
MMDadoda
 12/10/2020 9:55:50 AM



#62
 4-Bromofluorobenzene
 Concen: 49.538 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	136239		
174	81.3	0.0	160.4	
176	78.6	0.0	158.4	





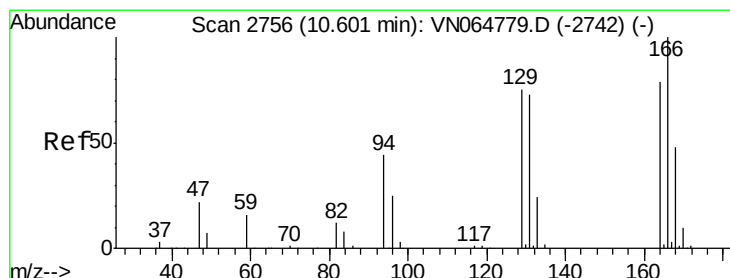
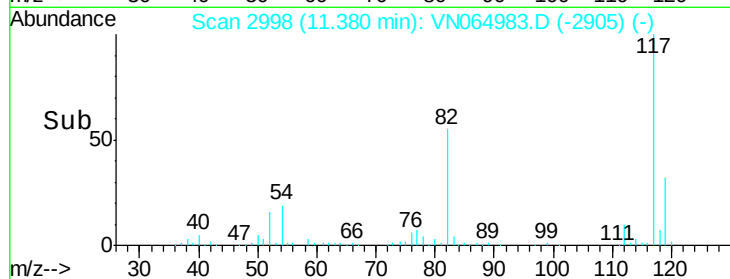
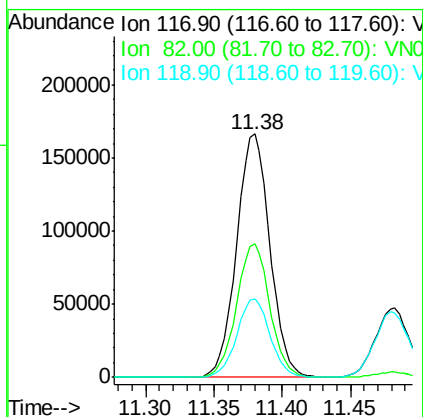
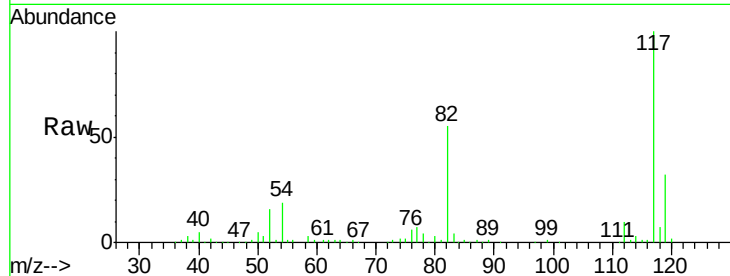
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.2	66.2
119	32.1	25.8	38.6

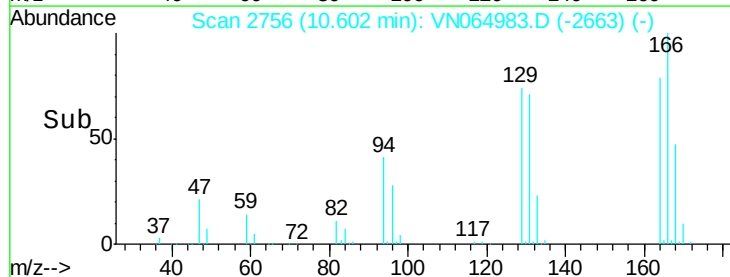
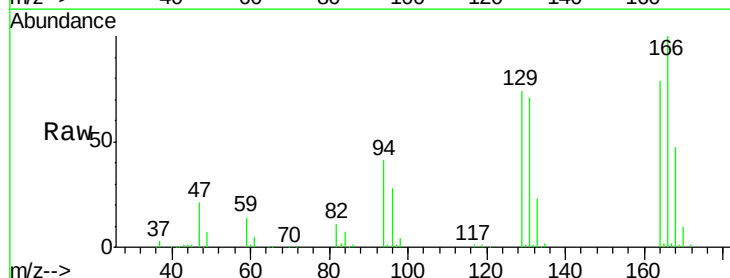
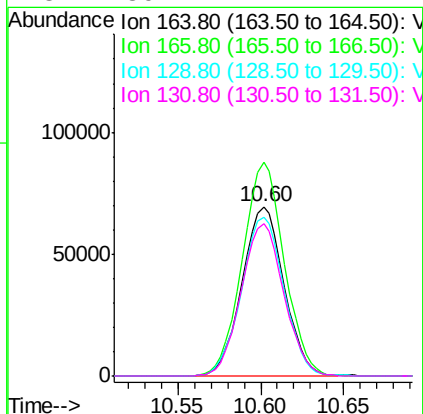
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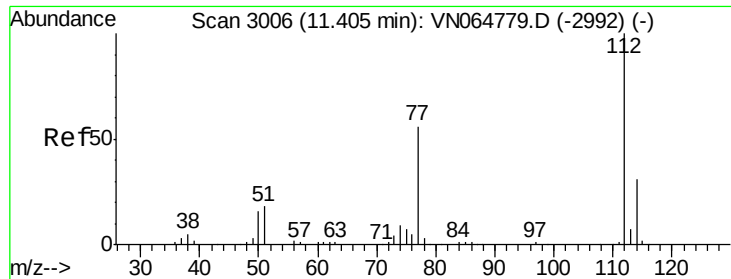
MMDadoda
12/10/2020 9:55:50 AM



#64
Tetrachloroethene
Concen: 44.455 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.4	152.0
129	93.6	76.1	114.1
131	89.7	74.2	111.2





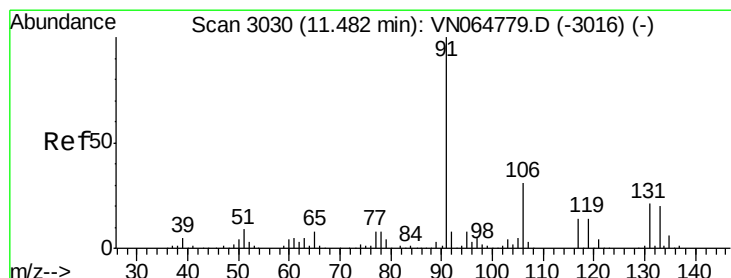
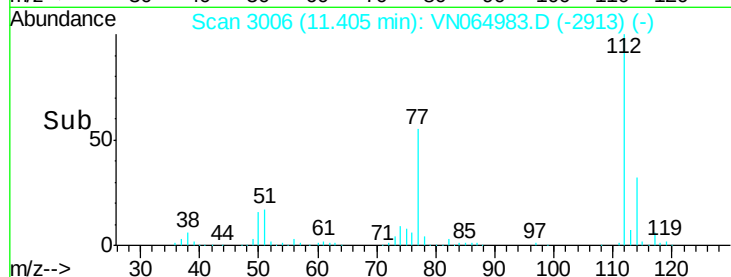
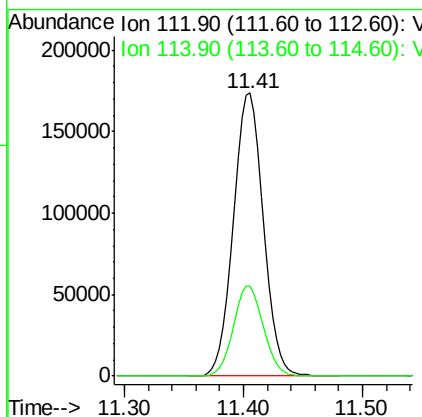
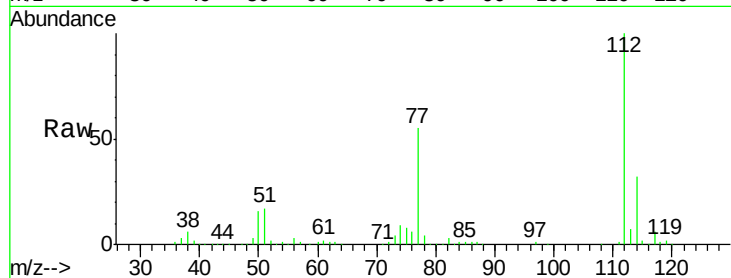
#65
Chlorobenzene
Concen: 50.055 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 303329
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7

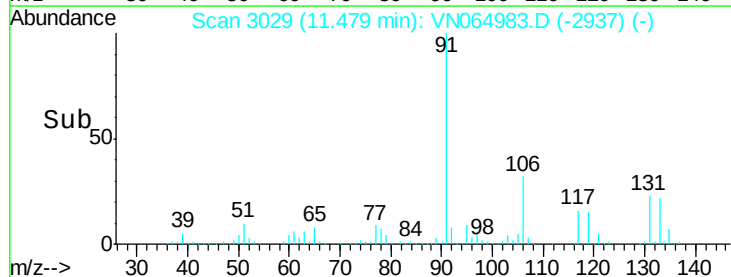
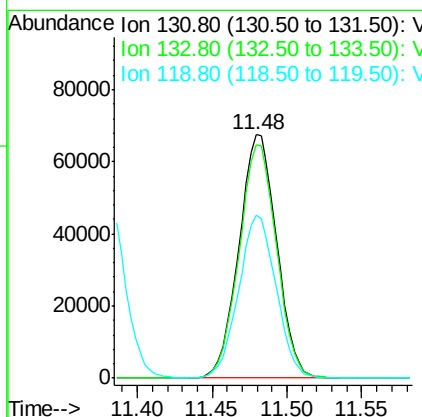
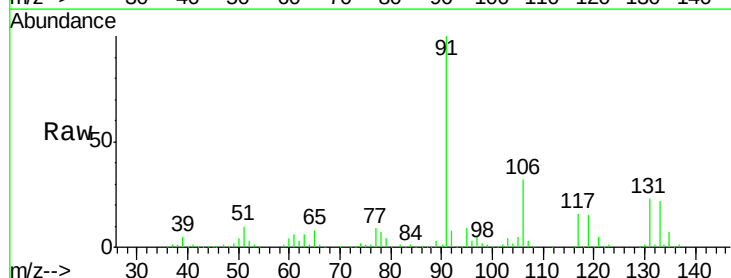
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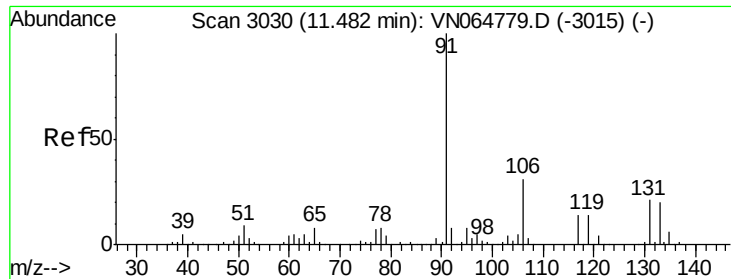
MMDadoda
12/10/2020 9:55:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.150 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion:131 Resp: 118368
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.5
119 66.6 33.3 99.8





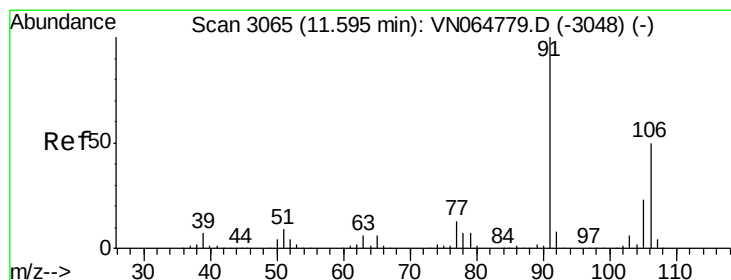
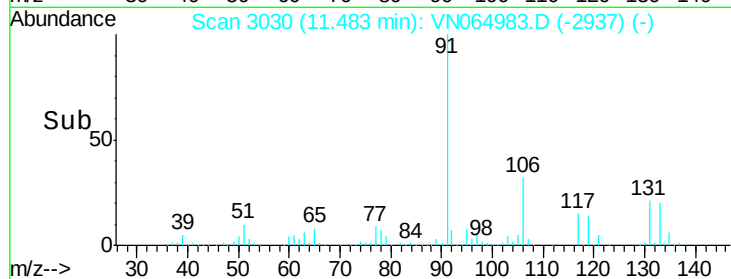
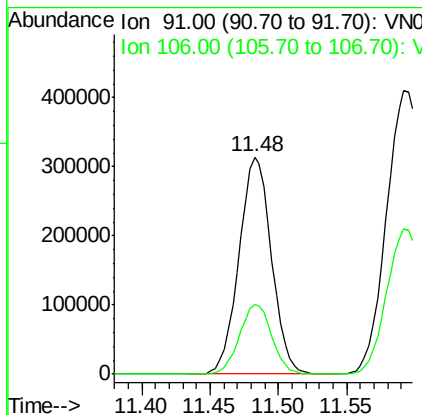
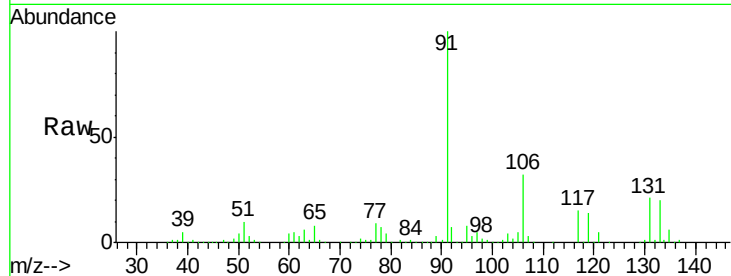
#67
Ethyl Benzene
Concen: 51.190 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 518225
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8

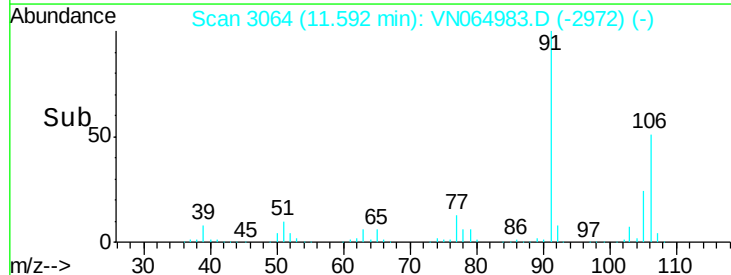
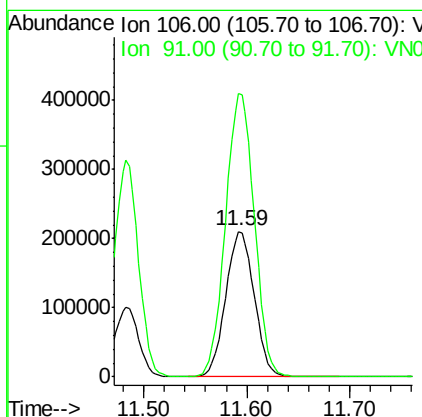
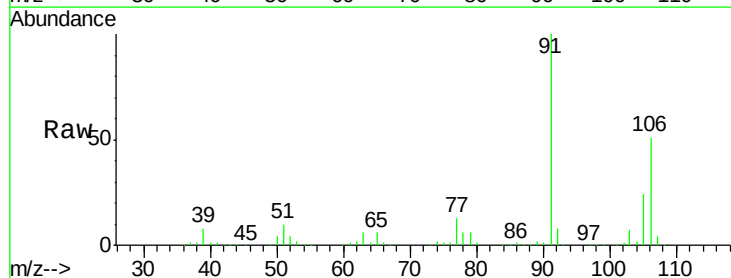
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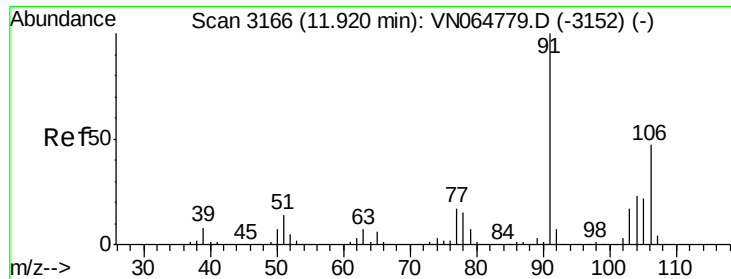
MMDadoda
12/10/2020 9:55:50 AM



#68
m/p-Xylenes
Concen: 105.371 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion: 106 Resp: 403871
Ion Ratio Lower Upper
106 100
91 197.0 161.0 241.4





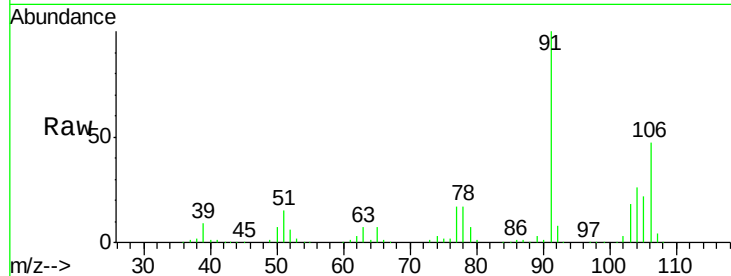
#69
o-Xylene
Concen: 52.555 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

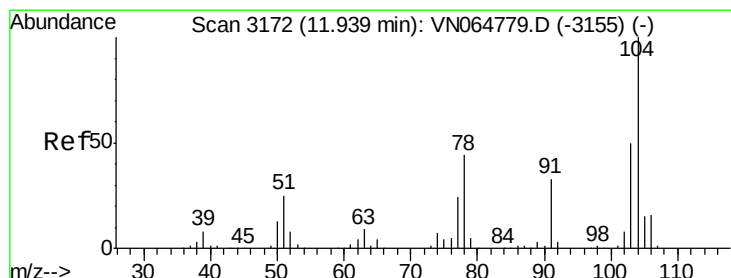
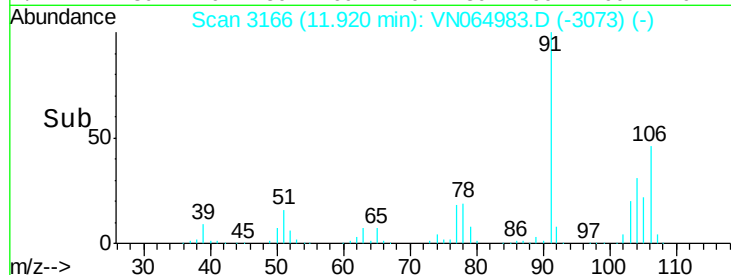
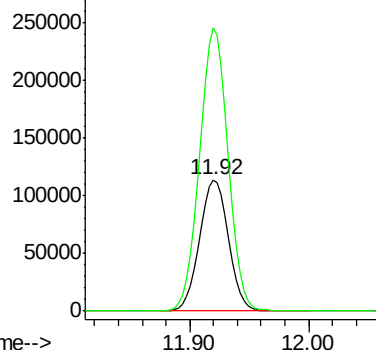
Tot Ion:106 Resp: 191151
Ion Ratio Lower Upper
106 100
91 212.5 105.5 316.5

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12/10/2020 9:55:50 AM

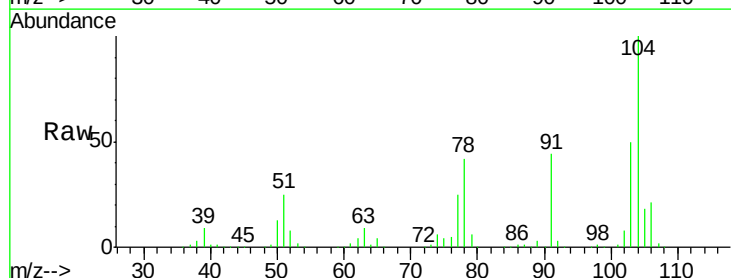


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

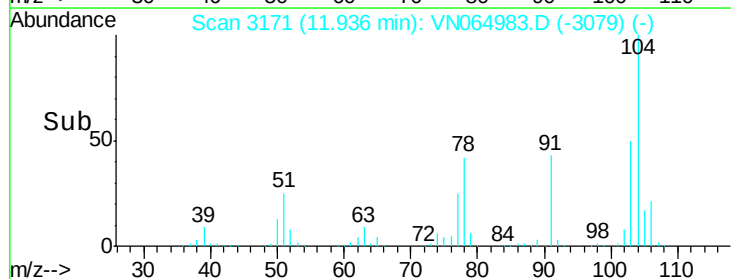
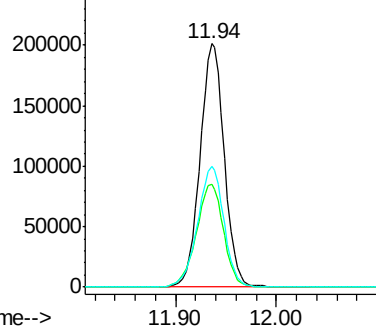


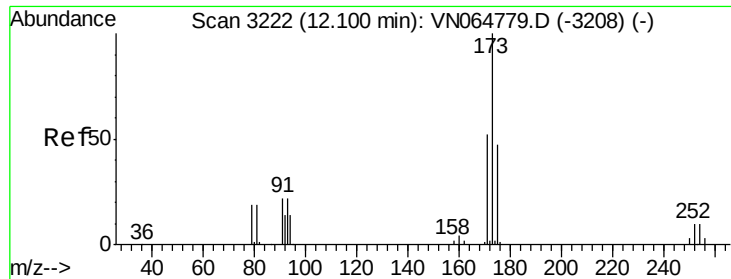
#70
Styrene
Concen: 54.957 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion:104 Resp: 337443
Ion Ratio Lower Upper
104 100
78 47.3 39.0 58.6
103 53.7 44.3 66.5



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





#71

Bromoform

Concen: 50.549 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 89913

Ion Ratio Lower Upper

173 100

175 49.4 24.3 72.8

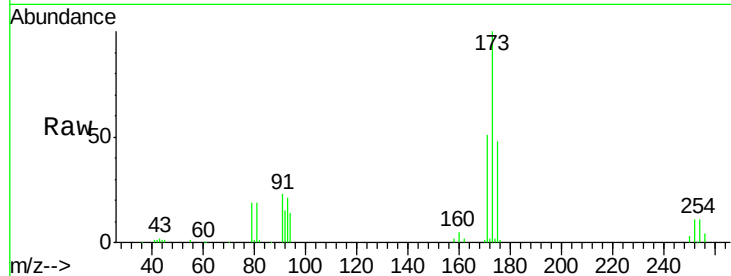
254 0.0 0.0 0.0

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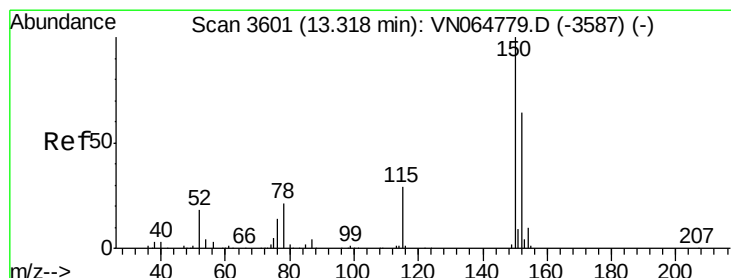
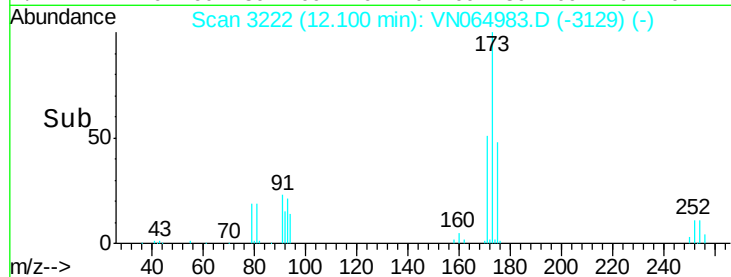
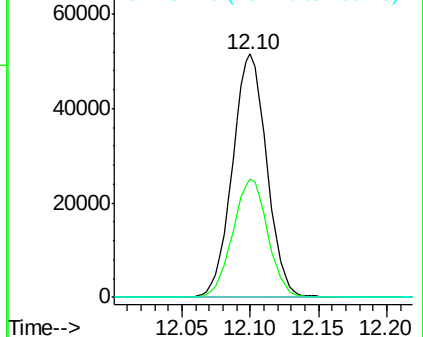
12/10/2020 9:55:50 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

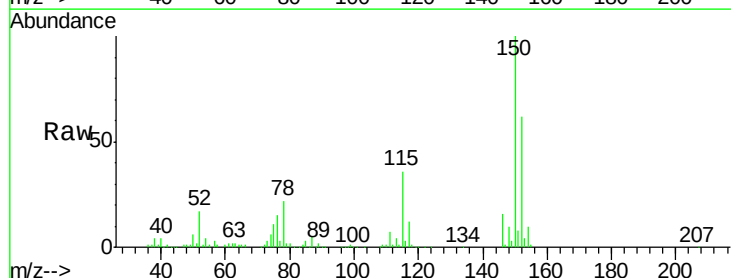
Tgt Ion:152 Resp: 139233

Ion Ratio Lower Upper

152 100

115 58.4 29.7 89.1

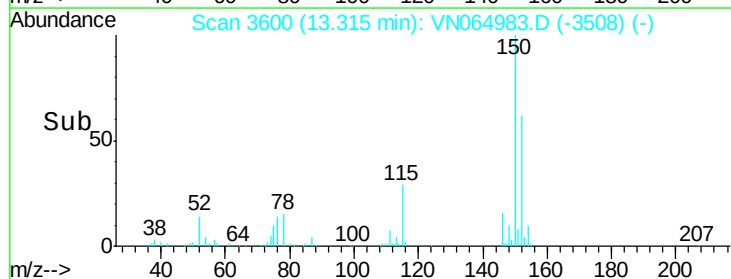
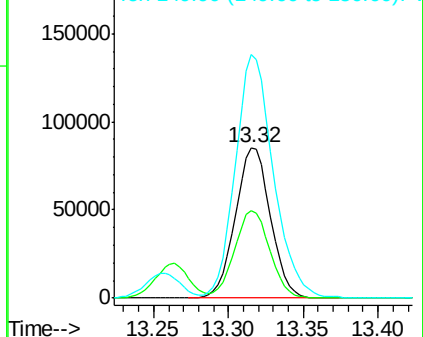
150 175.8 0.0 350.6

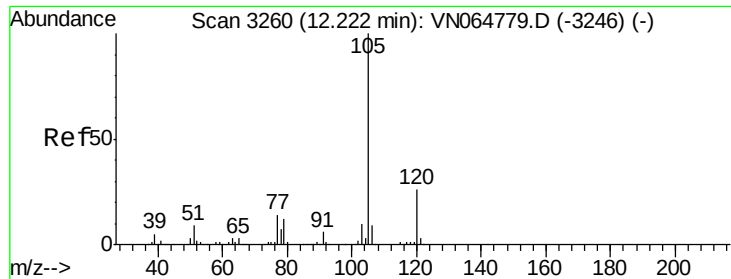


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.963 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 503240

Ion Ratio Lower Upper

105 100

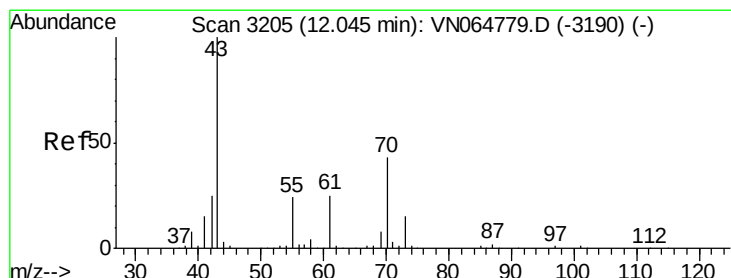
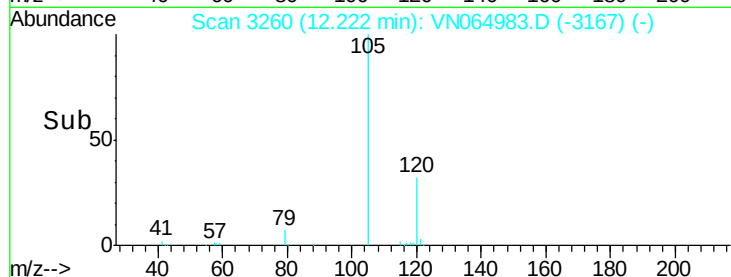
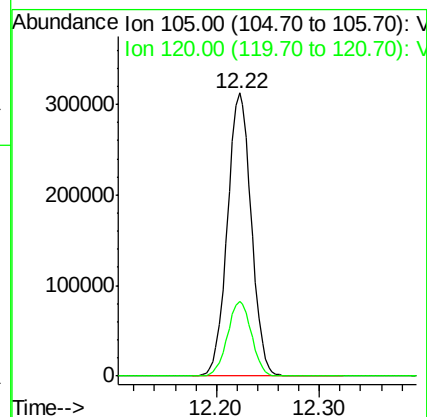
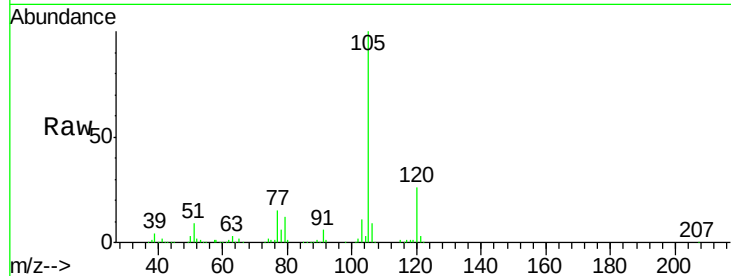
120 26.6 13.3 39.9

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12/10/2020 9:55:50 AM



#74

N-ethyl acetate

Concen: 48.919 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion: 43 Resp: 186442

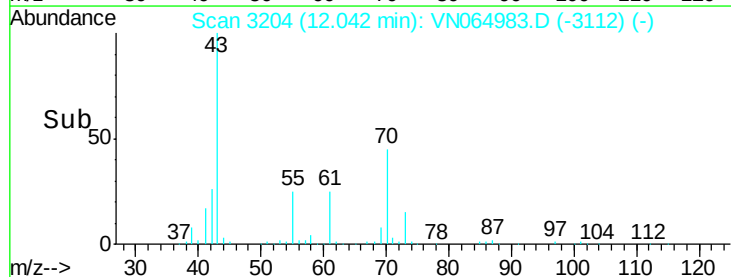
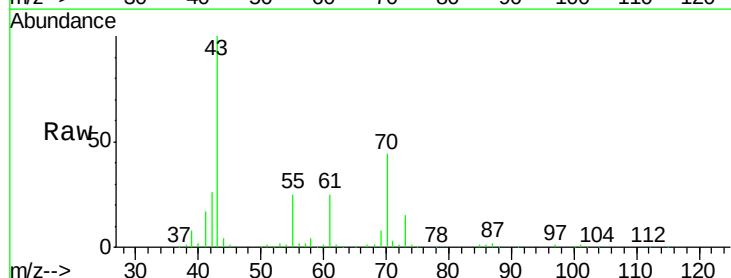
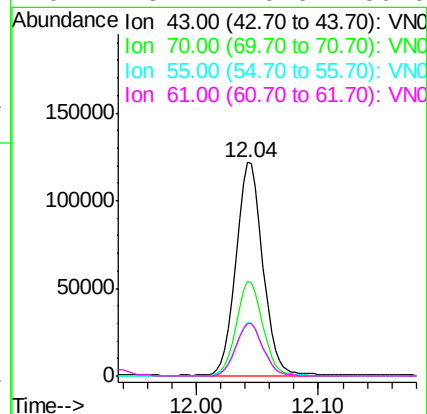
Ion Ratio Lower Upper

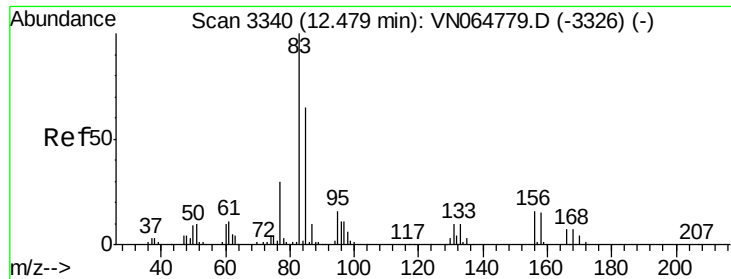
43 100

70 44.1 34.5 51.7

55 25.6 20.4 30.6

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.074 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

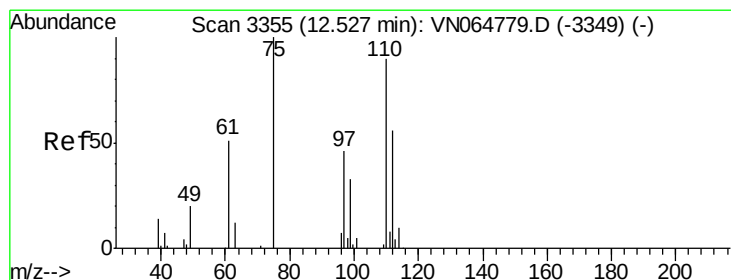
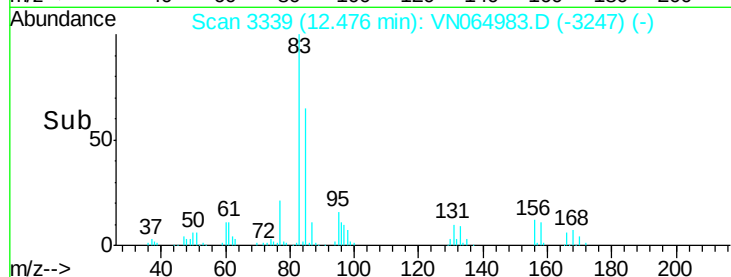
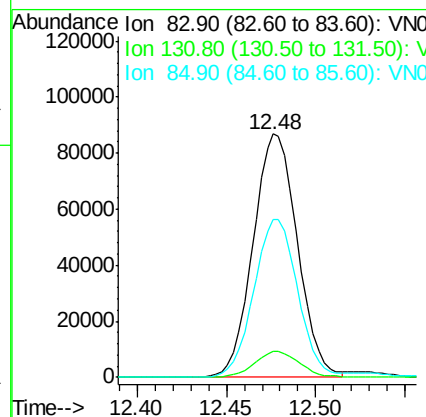
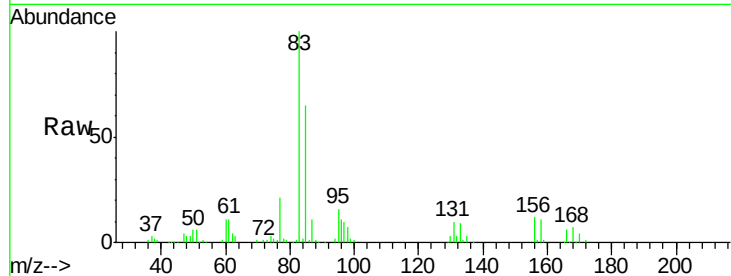
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	150655
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.3
85	64.8	33.0	99.0

Manual Integrations
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12/10/2020 9:55:50 AM



#76

1,2,3-Trichloropropane

Concen: 48.462 ug/l m

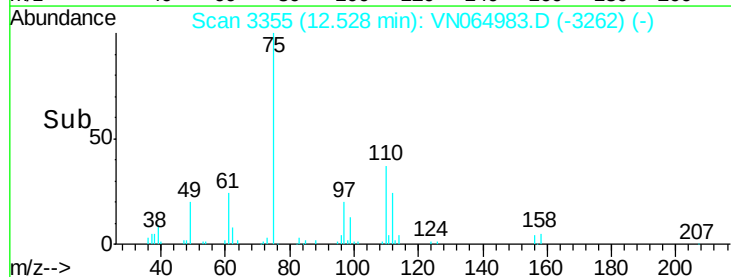
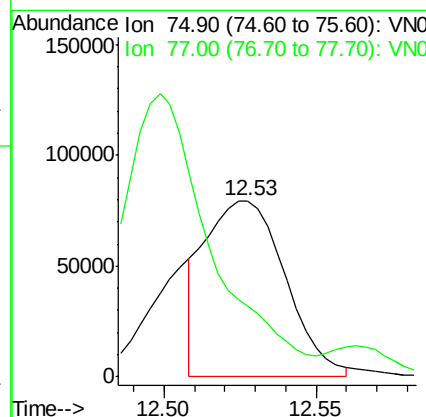
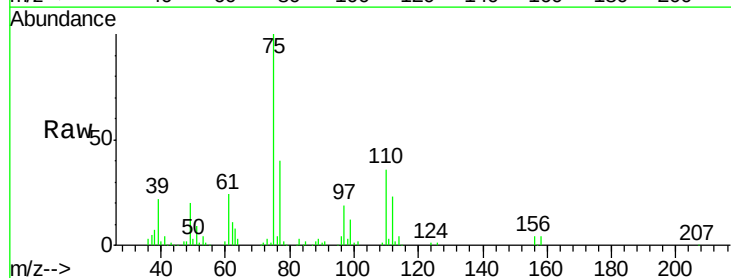
RT: 12.53 min Scan# 3355

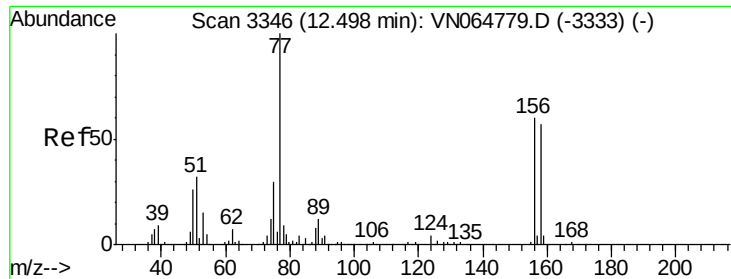
Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion:	75	Resp:	145312
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.080 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

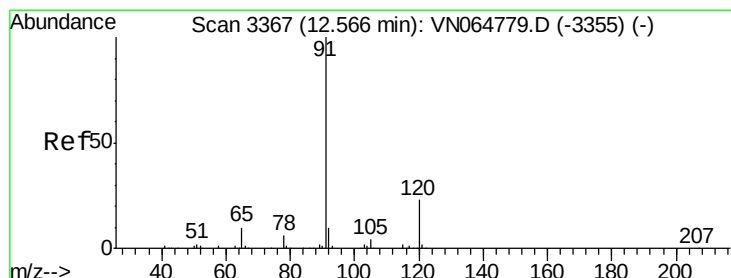
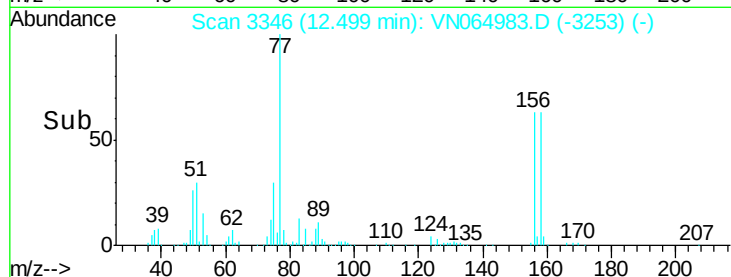
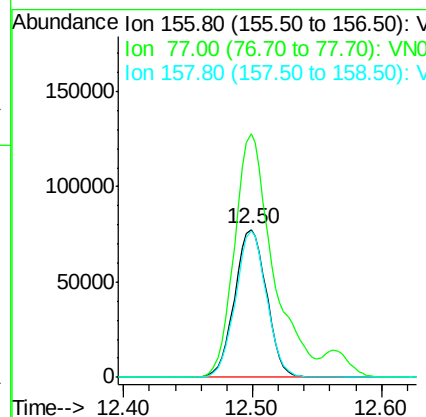
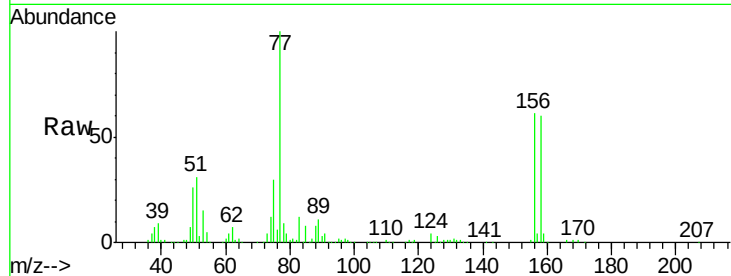
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	197.8	101.3	303.7
158	96.3	48.2	144.6

Manual Integrations
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12/10/2020 9:55:50 AM



#78

n-propylbenzene

Concen: 51.240 ug/l

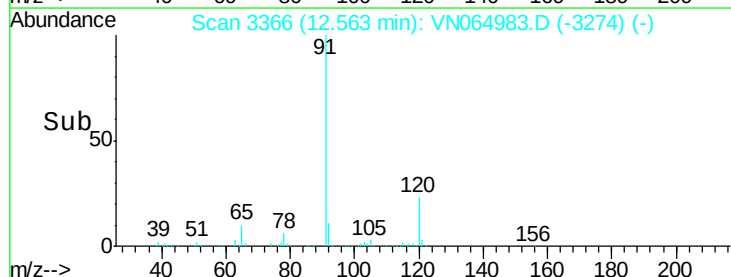
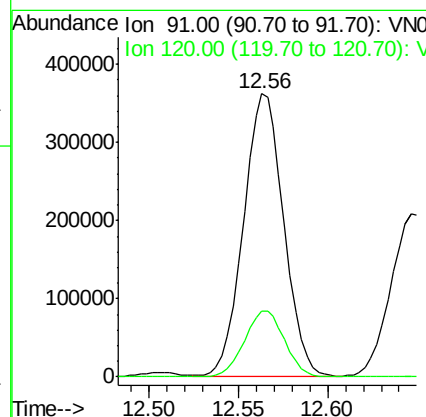
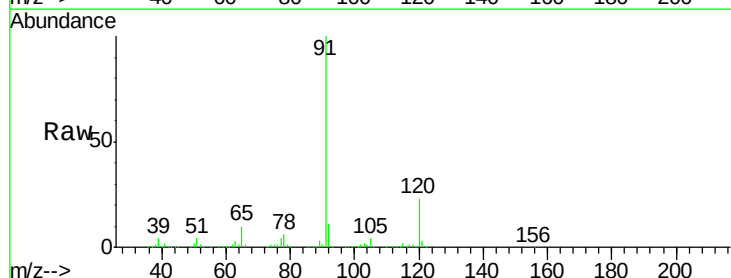
RT: 12.56 min Scan# 3366

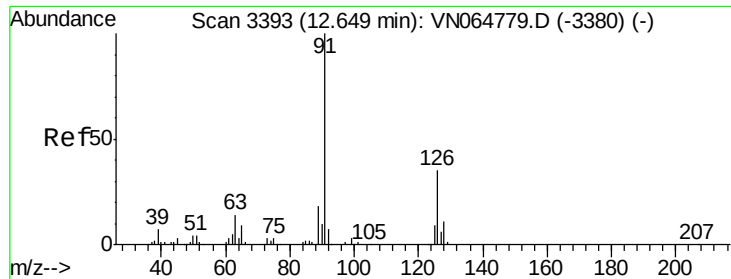
Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.747 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 346083

Ion Ratio Lower Upper

91 100

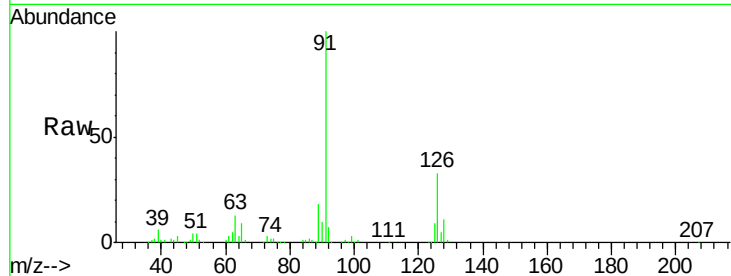
126 34.5 17.2 51.6

Manual Integrations

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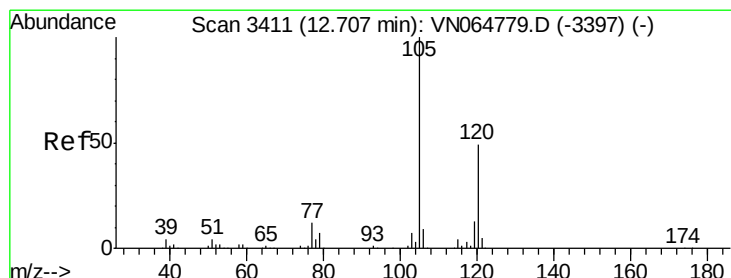
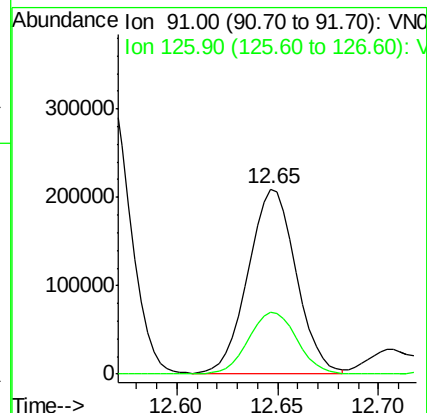
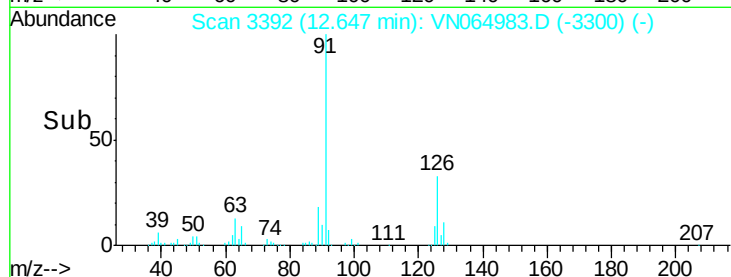
MMDadoda

12/10/2020 9:55:50 AM



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

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



#80

1,3,5-Trimethylbenzene

Concen: 53.589 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064983.D

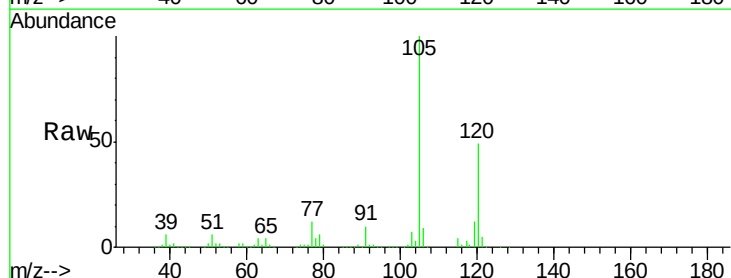
Acq: 8 Dec 2020 20:38

Tgt Ion: 105 Resp: 431380

Ion Ratio Lower Upper

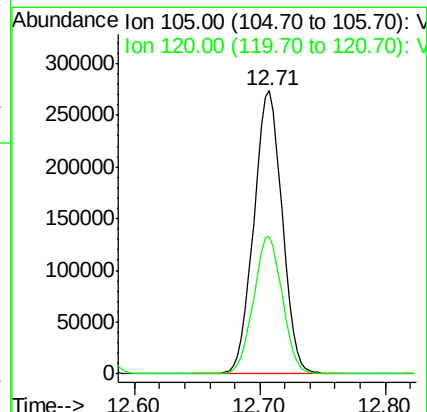
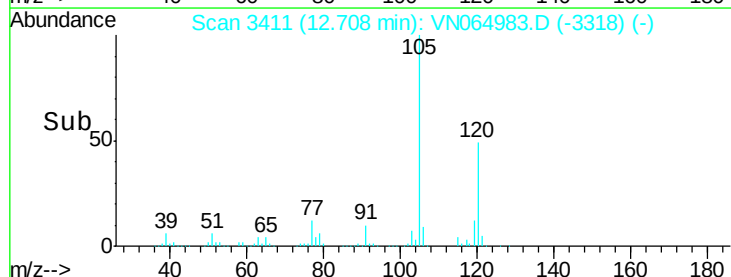
105 100

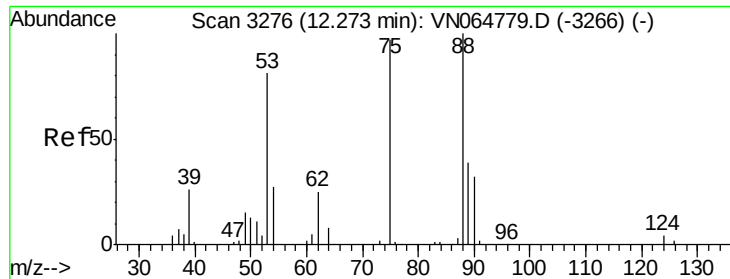
120 49.2 24.6 73.6



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

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





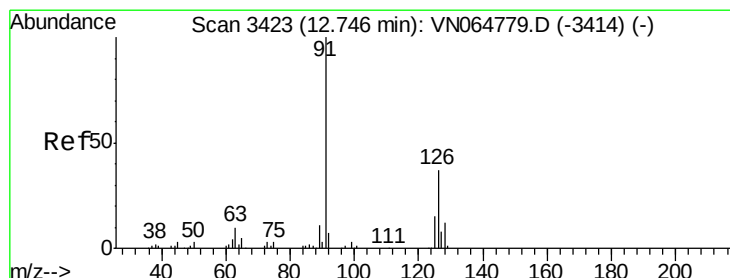
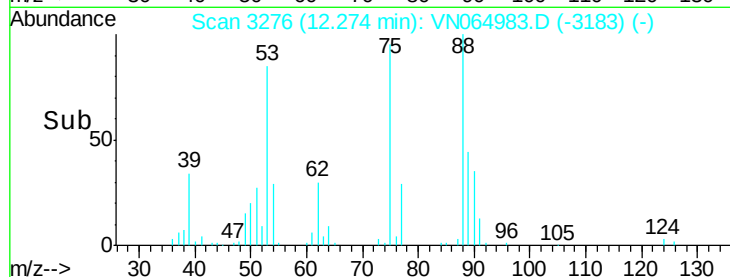
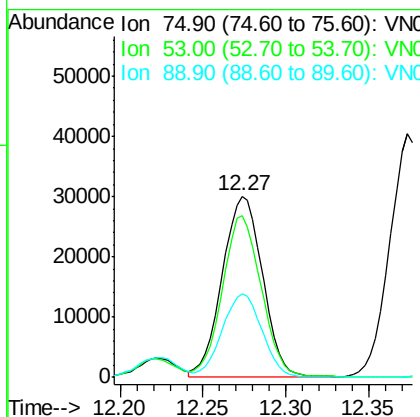
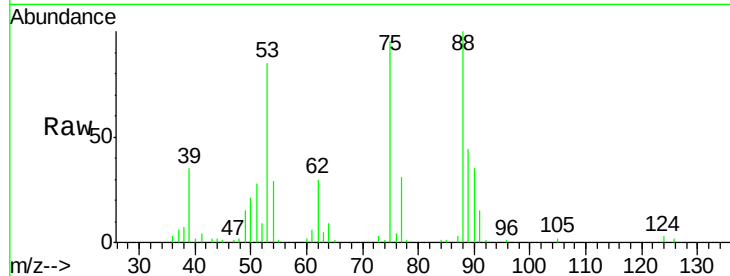
#81
trans-1,4-Dichloro-2-butene
Concen: 46.627 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.5	67.0	100.4
89	45.3	39.6	59.4

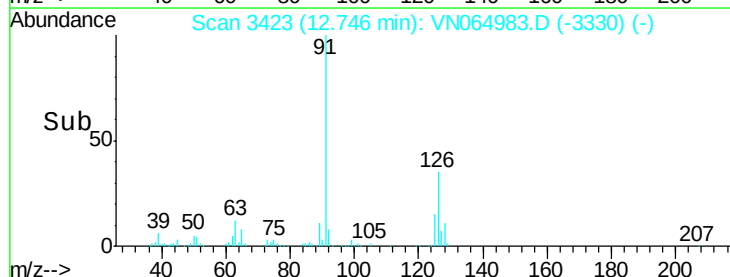
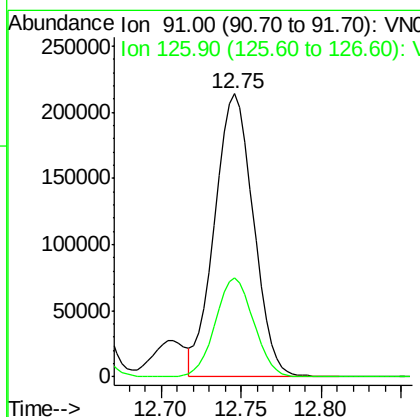
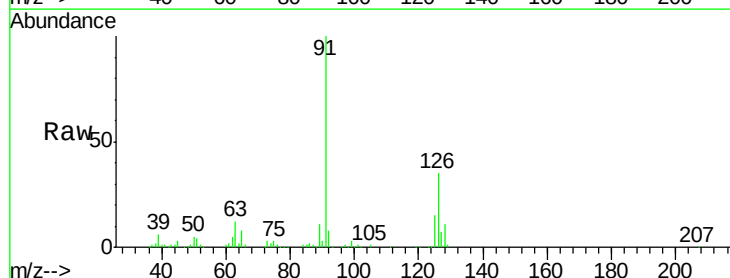
Manual Integrations
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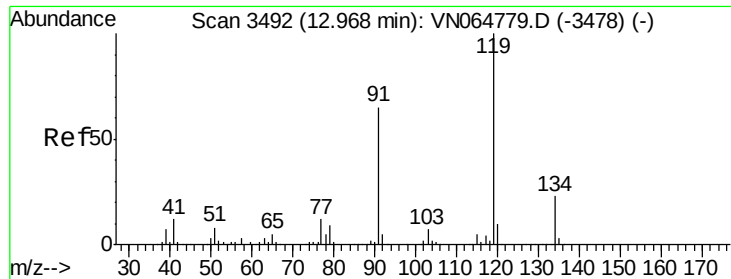
MMDadoda
12/10/2020 9:55:50 AM



#82
4-Chlorotoluene
Concen: 49.682 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.9	50.7





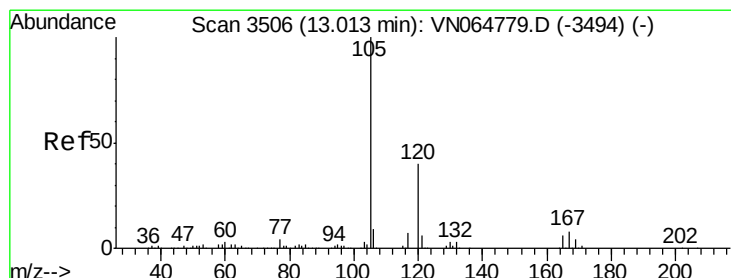
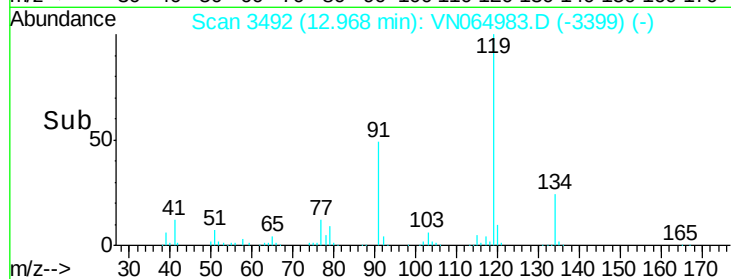
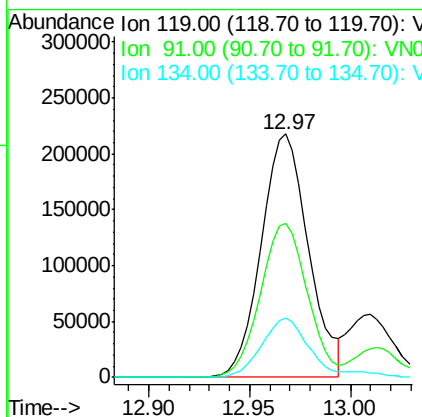
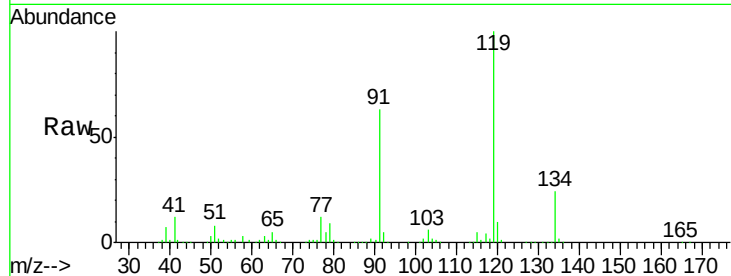
#83
 tert-Butylbenzene
 Concen: 52.663 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.3	96.8
134	25.4	12.6	37.6

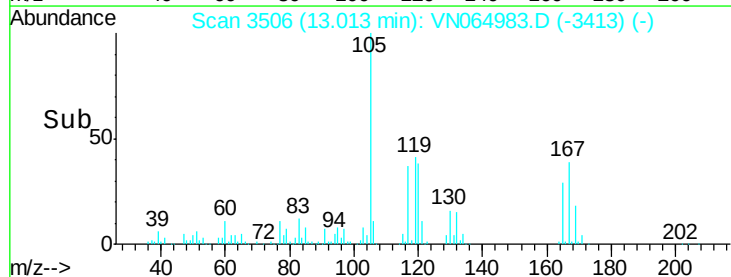
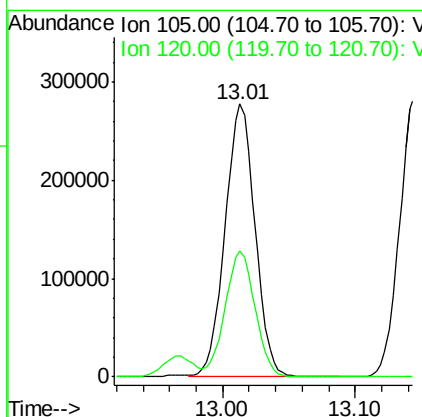
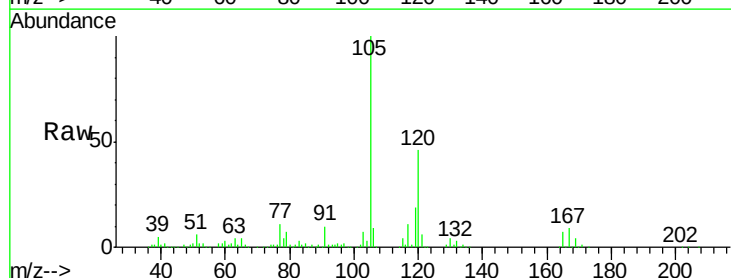
Manual Integrations
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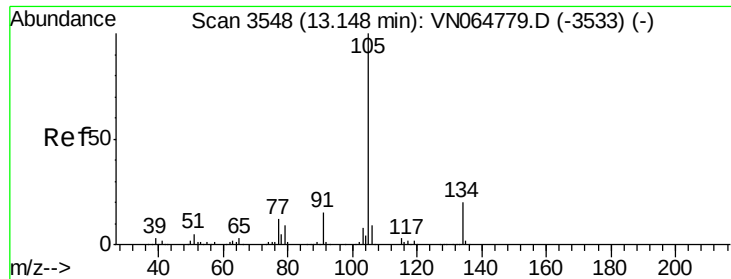
MMDadoda
 12/10/2020 9:55:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.356 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 50.693 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 454140

Ion Ratio Lower Upper

105 100

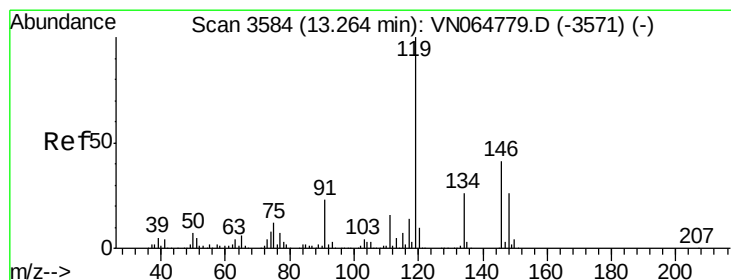
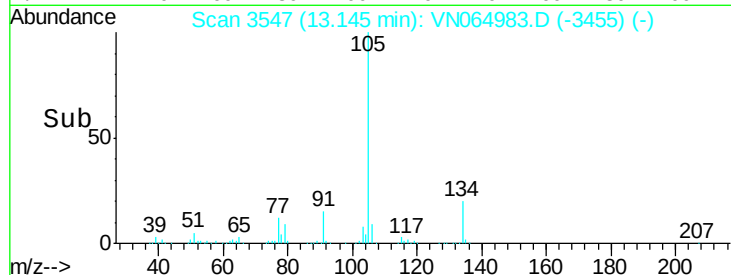
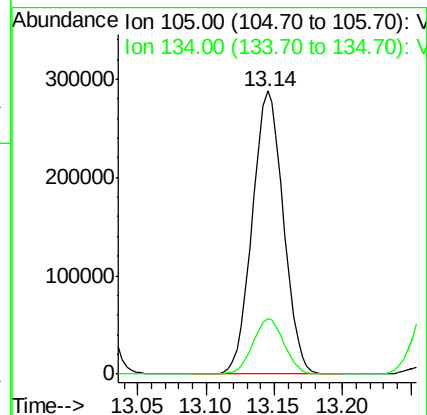
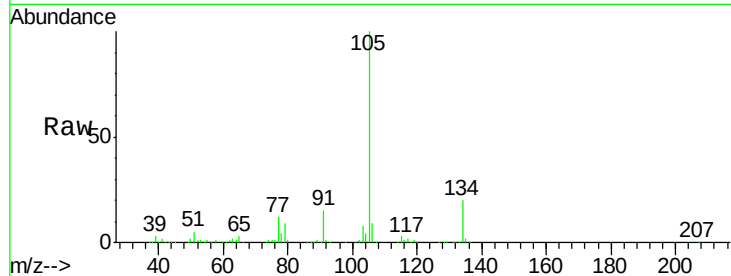
134 19.8 10.1 30.1

Manual Integrations

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12/10/2020 9:55:50 AM



#86

p-Isopropyltoluene

Concen: 52.055 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064983.D

Acq: 8 Dec 2020 20:38

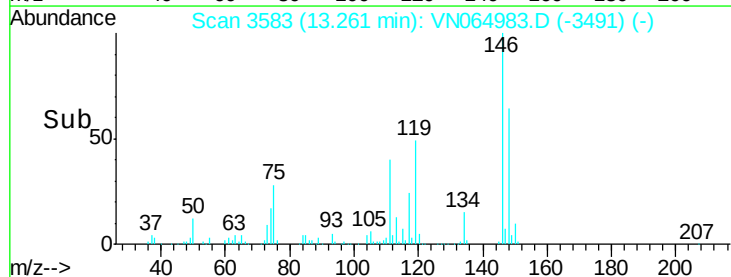
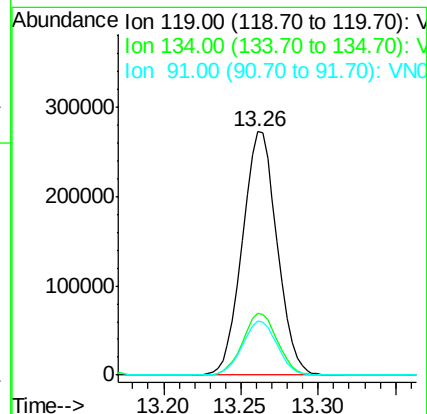
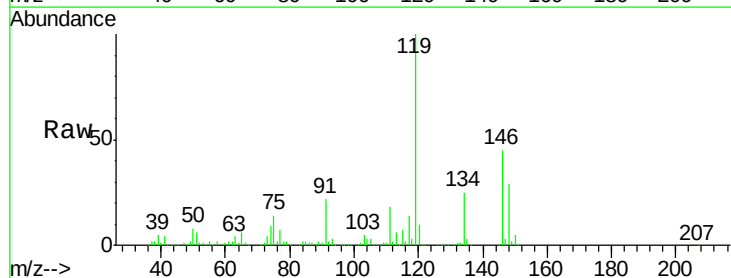
Tgt Ion:119 Resp: 424567

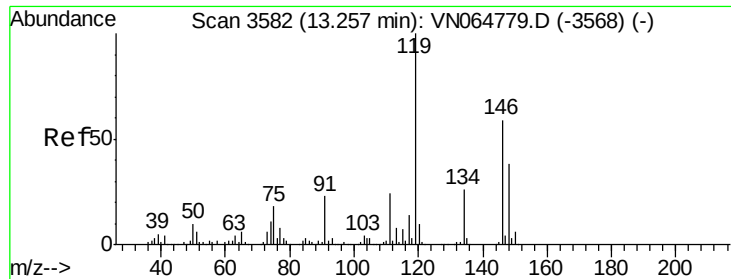
Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.1

91 22.1 11.5 34.5





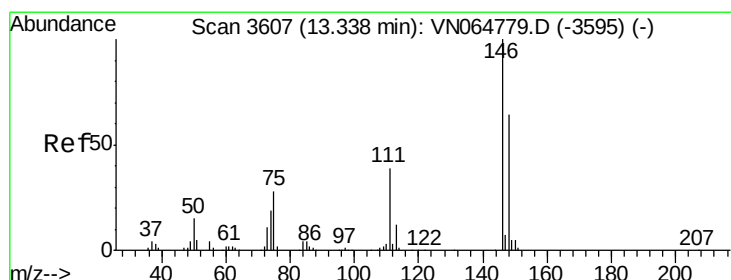
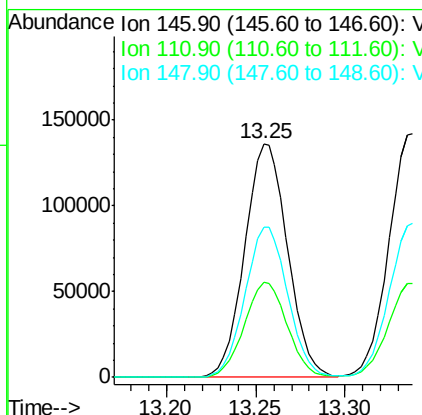
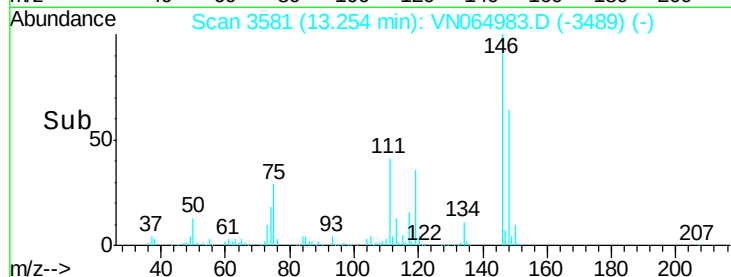
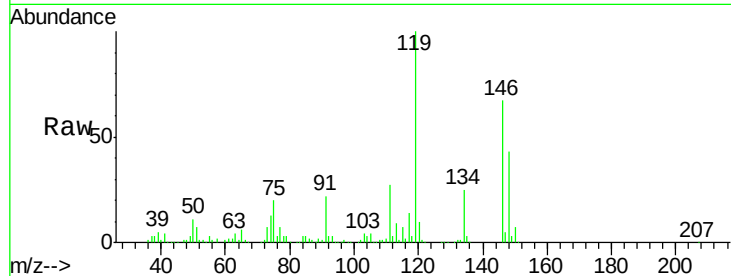
#87
 1,3-Dichlorobenzene
 Concen: 49.378 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.9
148	64.0	31.9	95.5

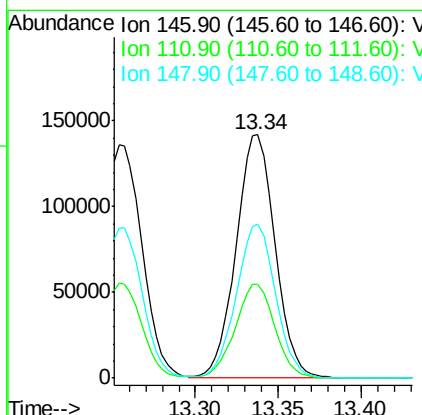
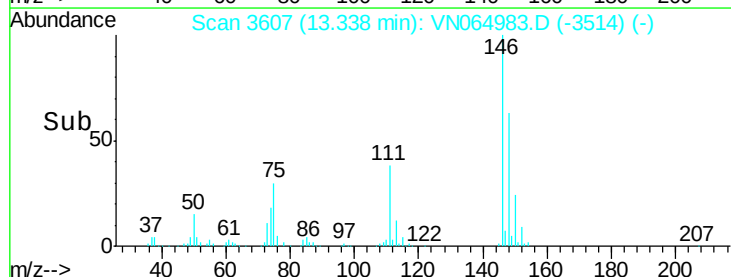
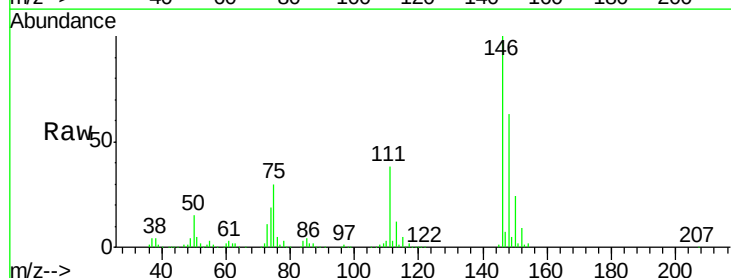
Manual Integrations
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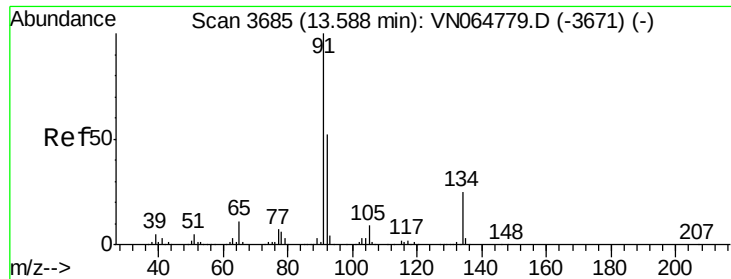
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 12/10/2020 9:55:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.004 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.6	31.9	95.5





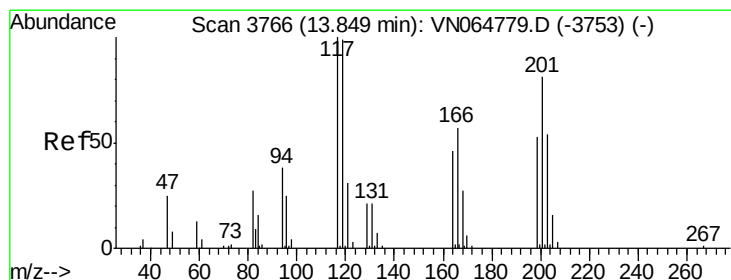
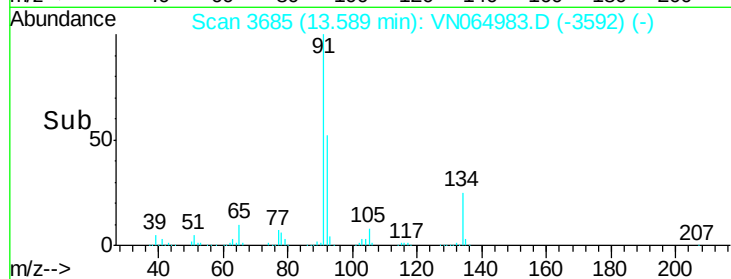
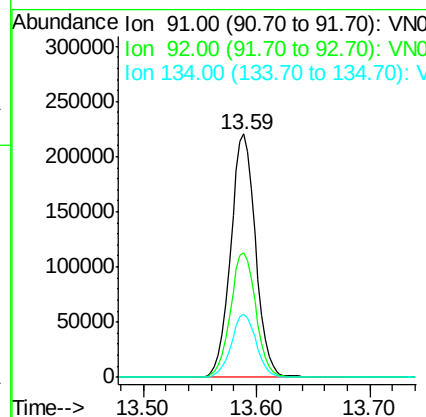
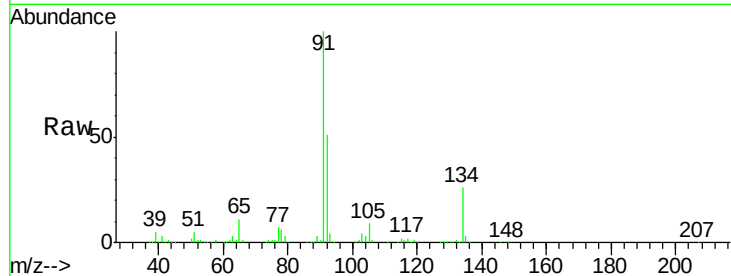
#89
n-Butylbenzene
Concen: 47.024 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	25.9	12.9	38.6

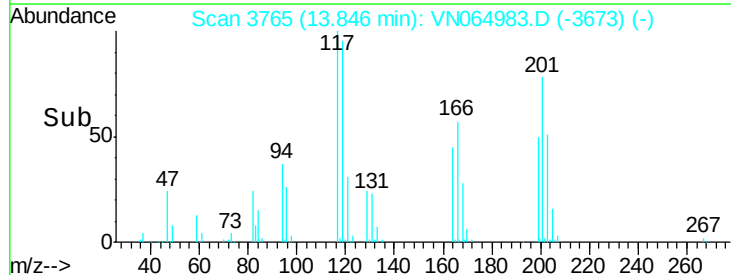
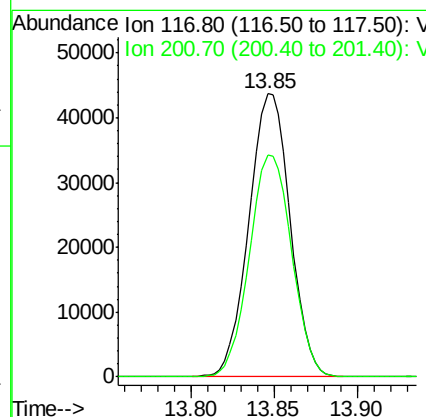
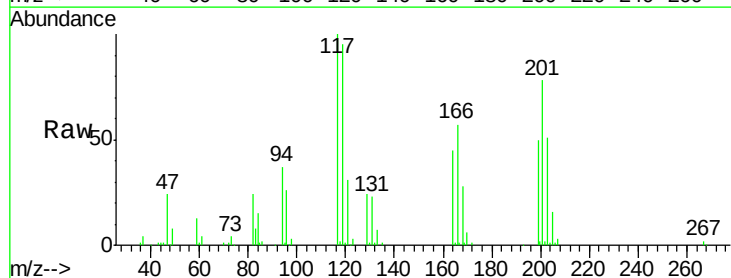
Manual Integrations
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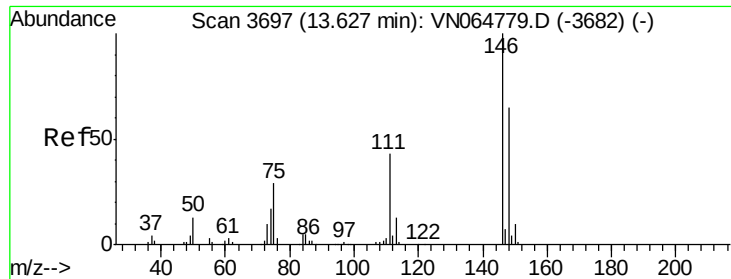
MMDadoda
12/10/2020 9:55:50 AM



#90
Hexachloroethane
Concen: 53.401 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	40.1	120.3





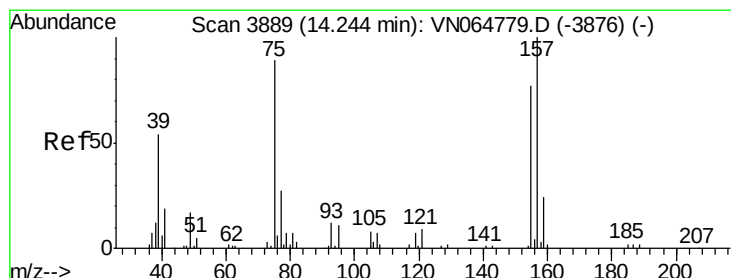
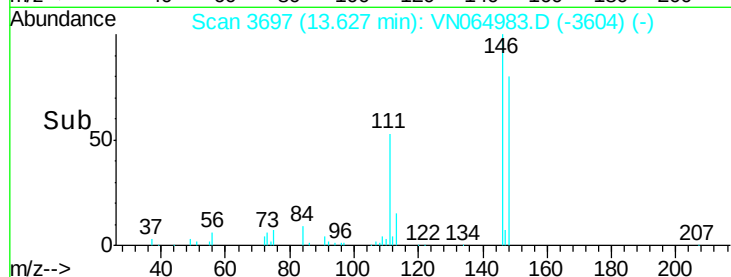
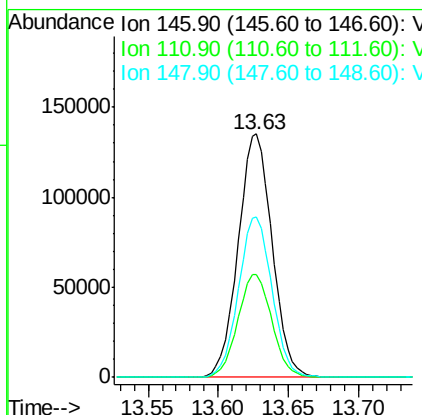
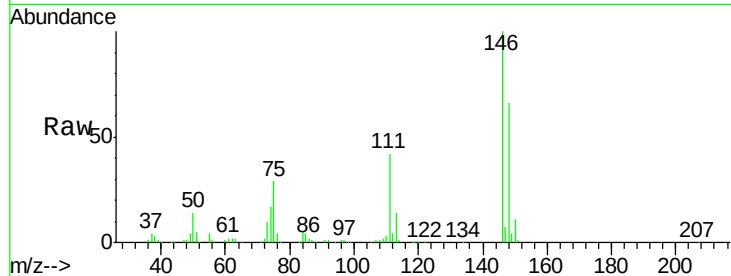
#91
 1,2-Dichlorobenzene
 Concen: 50.263 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	64.9	32.0	96.2

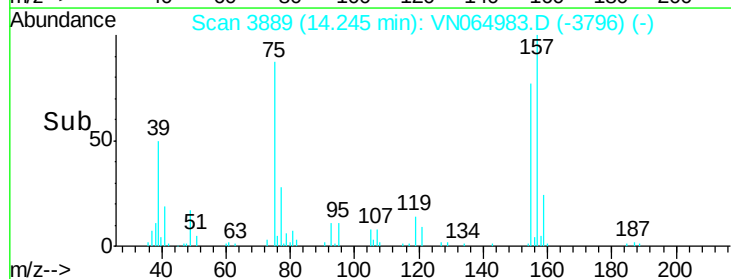
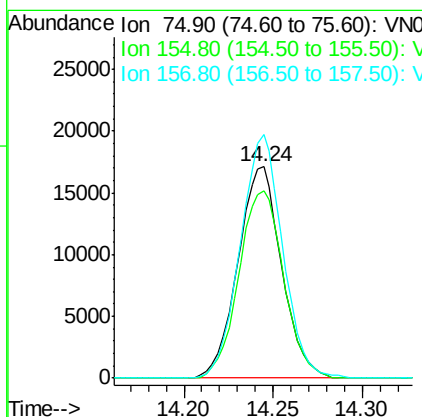
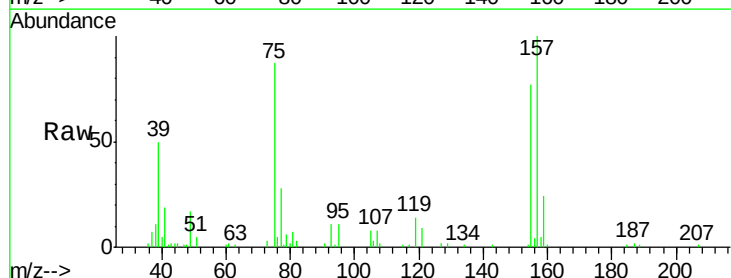
Manual Integrations
 APPROVED

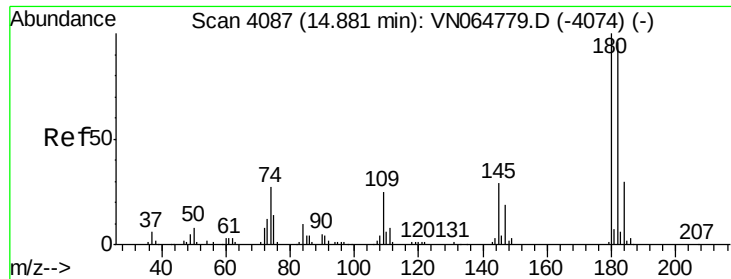
MMDadoda
 12/10/2020 9:55:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.760 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	42.8	128.3
157	111.9	56.4	169.1





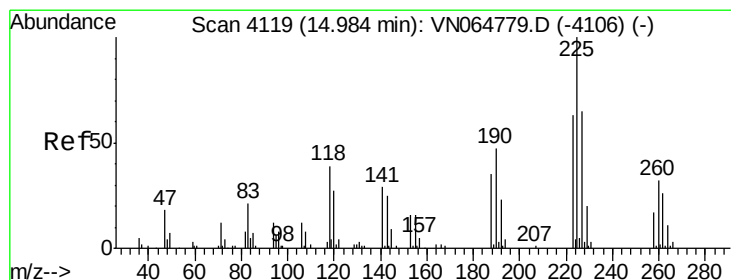
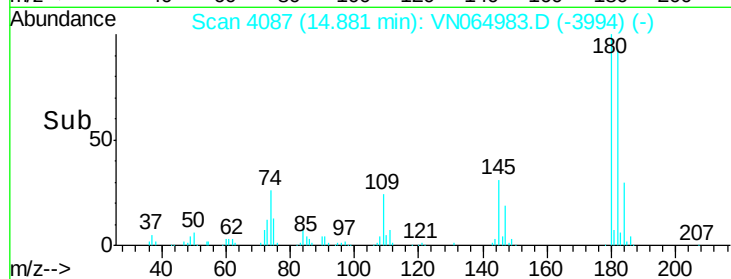
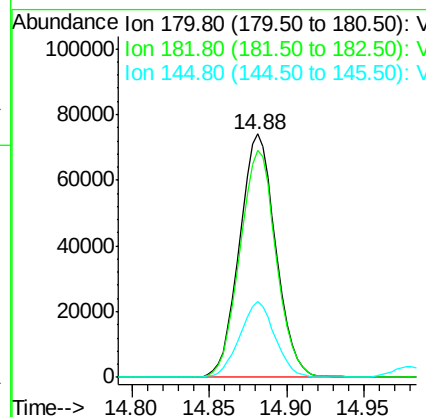
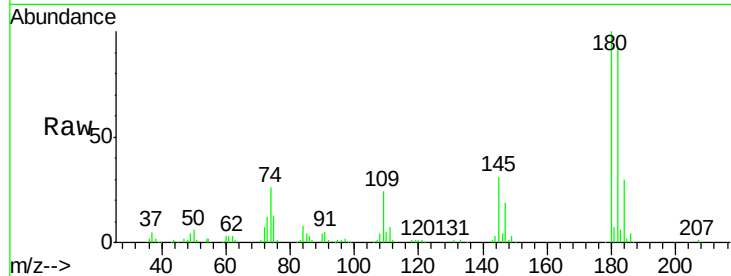
#93
 1,2,4-Trichlorobenzene
 Concen: 42.737 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.6	142.9
145	30.4	15.3	45.8

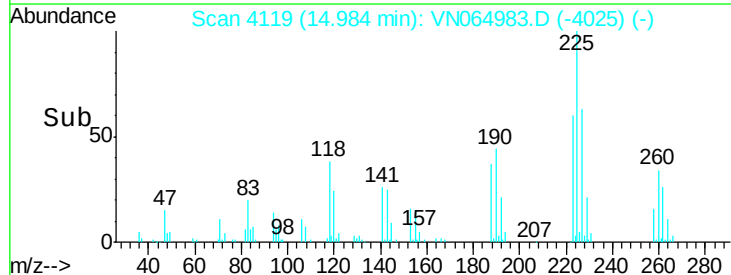
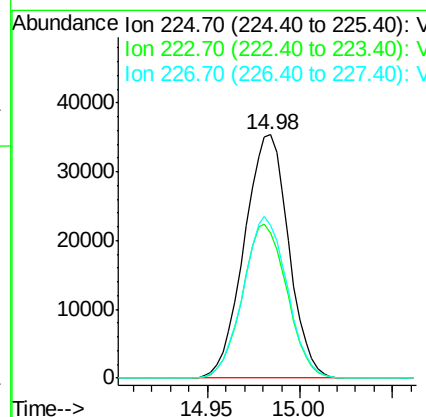
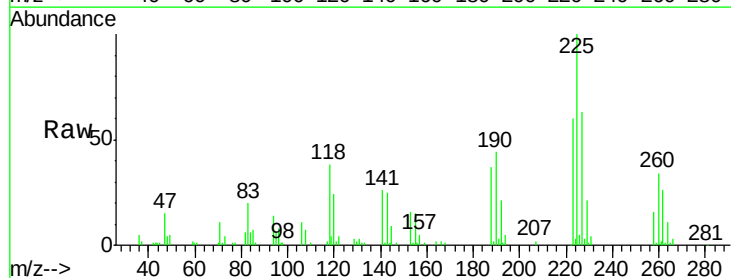
Manual Integrations
 APPROVED

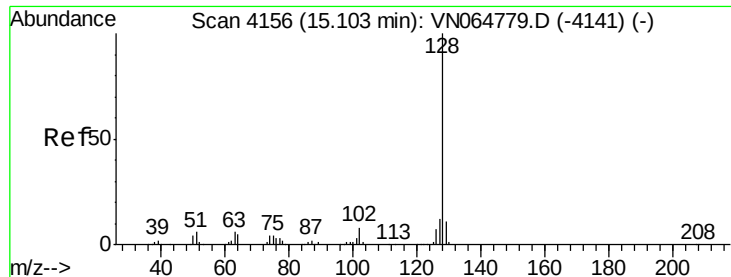
MMDadoda
 12/10/2020 9:55:50 AM



#94
 Hexachlorobutadiene
 Concen: 46.509 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064983.D
 Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.0	93.0
227	65.5	32.0	96.0





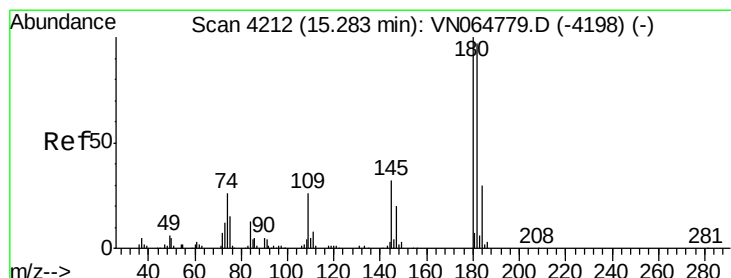
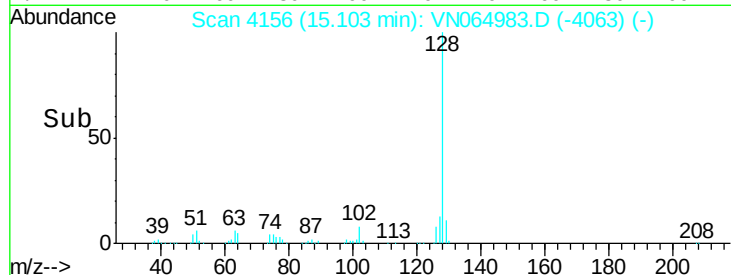
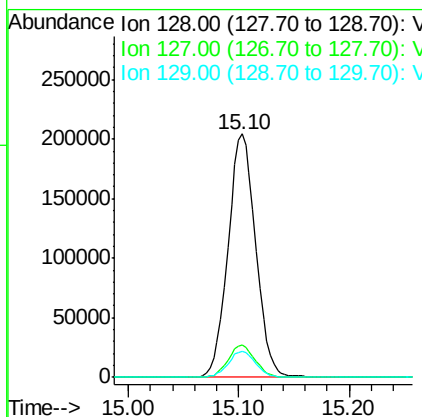
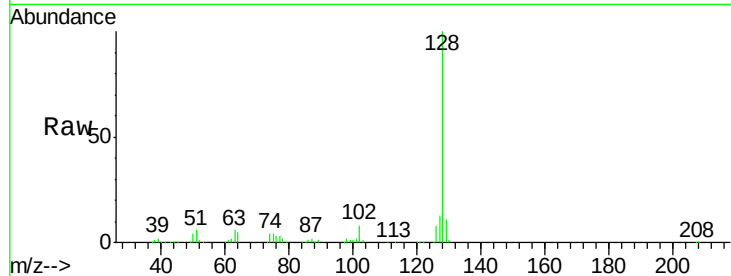
#95
Naphthalene
Concen: 42.086 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:55:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 42.545 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064983.D
Acq: 8 Dec 2020 20:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.1	144.4
145	32.8	16.4	49.1

