

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064985.D
 Acq On : 8 Dec 2020 21:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:55:51 AM

Quant Time: Dec 09 08:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	191424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	303582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	274627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135334	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	108005	48.53	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.06%		
35) Dibromofluoromethane	7.55	113	93800	51.64	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.28%		
50) Toluene-d8	10.06	98	361100	48.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.30%		
62) 4-Bromofluorobenzene	12.37	95	129741	48.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.68%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	68078	41.035	ug/l	99
3) Chloromethane	2.04	50	90072	41.779	ug/l	98
4) Vinyl Chloride	2.17	62	99860	44.428	ug/l	99
5) Bromomethane	2.52	94	65819	44.633	ug/l	97
6) Chloroethane	2.67	64	65238	46.927	ug/l	97
7) Trichlorofluoromethane	2.99	101	147983	47.629	ug/l	98
8) Diethyl Ether	3.37	74	61265	49.954	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	90455	48.531	ug/l	99
10) Methyl Iodide	3.91	142	111211	46.001	ug/l	99
11) Tert butyl alcohol	4.74	59	76592	220.687	ug/l	100
12) 1,1-Dichloroethene	3.69	96	88377	47.611	ug/l	96
13) Acrolein	3.56	56	65268	307.881	ug/l	100
14) Allyl chloride	4.27	41	142557	46.563	ug/l	98
15) Acrylonitrile	4.93	53	241354	251.734	ug/l	100
16) Acetone	3.78	43	183680	251.079	ug/l	94
17) Carbon Disulfide	4.01	76	205273	42.830	ug/l	100
18) Methyl Acetate	4.28	43	111447	50.669	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	303568	50.991	ug/l	99
20) Methylene Chloride	4.50	84	108171	47.187	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	95455	46.307	ug/l	97
22) Diisopropyl ether	5.91	45	319712	52.173	ug/l	98
23) Vinyl Acetate	5.85	43	1259284	256.976	ug/l	100
24) 1,1-Dichloroethane	5.80	63	185153	50.557	ug/l	99
25) 2-Butanone	6.79	43	296693	250.184	ug/l	97
26) 2,2-Dichloropropane	6.78	77	145708	45.873	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	114182	49.226	ug/l	99
28) Bromochloromethane	7.15	49	80366	47.968	ug/l	98
29) Tetrahydrofuran	7.17	42	198230	242.153	ug/l	99
30) Chloroform	7.33	83	189676	50.223	ug/l	100
31) Cyclohexane	7.61	56	136216	43.916	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	161585	49.815	ug/l	99
36) 1,1-Dichloropropene	7.75	75	133934	47.597	ug/l	99
37) Ethyl Acetate	6.88	43	124512	45.936	ug/l	99
38) Carbon Tetrachloride	7.73	117	144943	49.505	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	131295	43.343	ug/l	98
40) Benzene	8.00	78	421455	48.877	ug/l	99
41) Methacrylonitrile	7.13	41	63822	51.029	ug/l	88
42) 1,2-Dichloroethane	8.08	62	142550	49.006	ug/l	99
43) Isopropyl Acetate	8.13	43	212533	48.728	ug/l #	92
44) Trichloroethene	8.80	130	117763	46.287	ug/l	98
45) 1,2-Dichloropropane	9.08	63	115919	51.911	ug/l	98
46) Dibromomethane	9.17	93	75400	50.543	ug/l	99
47) Bromodichloromethane	9.37	83	153030	50.981	ug/l	100
48) Methyl methacrylate	9.17	41	104766	50.269	ug/l	99
49) 1,4-Dioxane	9.17	88	35840	909.865	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	644521	246.144	ug/l	100
52) Toluene	10.12	92	270028	50.850	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	163918	49.029	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	182731	50.991	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	110990	50.828	ug/l	97
56) Ethyl methacrylate	10.40	69	155513	51.608	ug/l	98
57) 1,3-Dichloropropane	10.68	76	182506	50.667	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	407396	245.783	ug/l	100
59) 2-Hexanone	10.72	43	463667	246.046	ug/l	100
60) Dibromochloromethane	10.87	129	125207	51.583	ug/l	99
61) 1,2-Dibromoethane	10.97	107	112577	50.744	ug/l	100
64) Tetrachloroethene	10.60	164	117927	44.137	ug/l	99
65) Chlorobenzene	11.41	112	297328	50.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	113974	52.586	ug/l	99
67) Ethyl Benzene	11.48	91	505024	51.260	ug/l	100
68) m/p-Xylenes	11.59	106	392579	105.245	ug/l	99
69) o-Xylene	11.92	106	186757	52.761	ug/l	100
70) Styrene	11.94	104	329525	55.145	ug/l	98
71) Bromoform	12.10	173	88332	51.027	ug/l #	99
73) Isopropylbenzene	12.22	105	491857	52.251	ug/l	100
74) N-amyl acetate	12.04	43	184744	49.870	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	148915	53.972	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	146993m	50.435	ug/l	
77) Bromobenzene	12.50	156	127868	50.384	ug/l	99
78) n-propylbenzene	12.56	91	546429	50.955	ug/l	98
79) 2-Chlorotoluene	12.65	91	333178	50.262	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	423970	54.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	51573	48.498	ug/l	97
82) 4-Chlorotoluene	12.75	91	353352	50.855	ug/l	98
83) tert-Butylbenzene	12.97	119	349090	53.228	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	429807	54.330	ug/l	100
85) sec-Butylbenzene	13.14	105	445760	51.191	ug/l	100
86) p-Isopropyltoluene	13.26	119	417158	52.620	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	230370	51.092	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	230034	48.242	ug/l	99
89) n-Butylbenzene	13.59	91	332599	47.773	ug/l	99
90) Hexachloroethane	13.85	117	73795	53.583	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	227218	51.323	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29029	46.759	ug/l	100

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QLast Update : Mon Nov 23 13:54:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	120404	43.963	ug/l	100
94) Hexachlorobutadiene	14.98	225	60512	49.072	ug/l	99
95) Naphthalene	15.10	128	359751	43.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	113447	43.768	ug/l	100

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

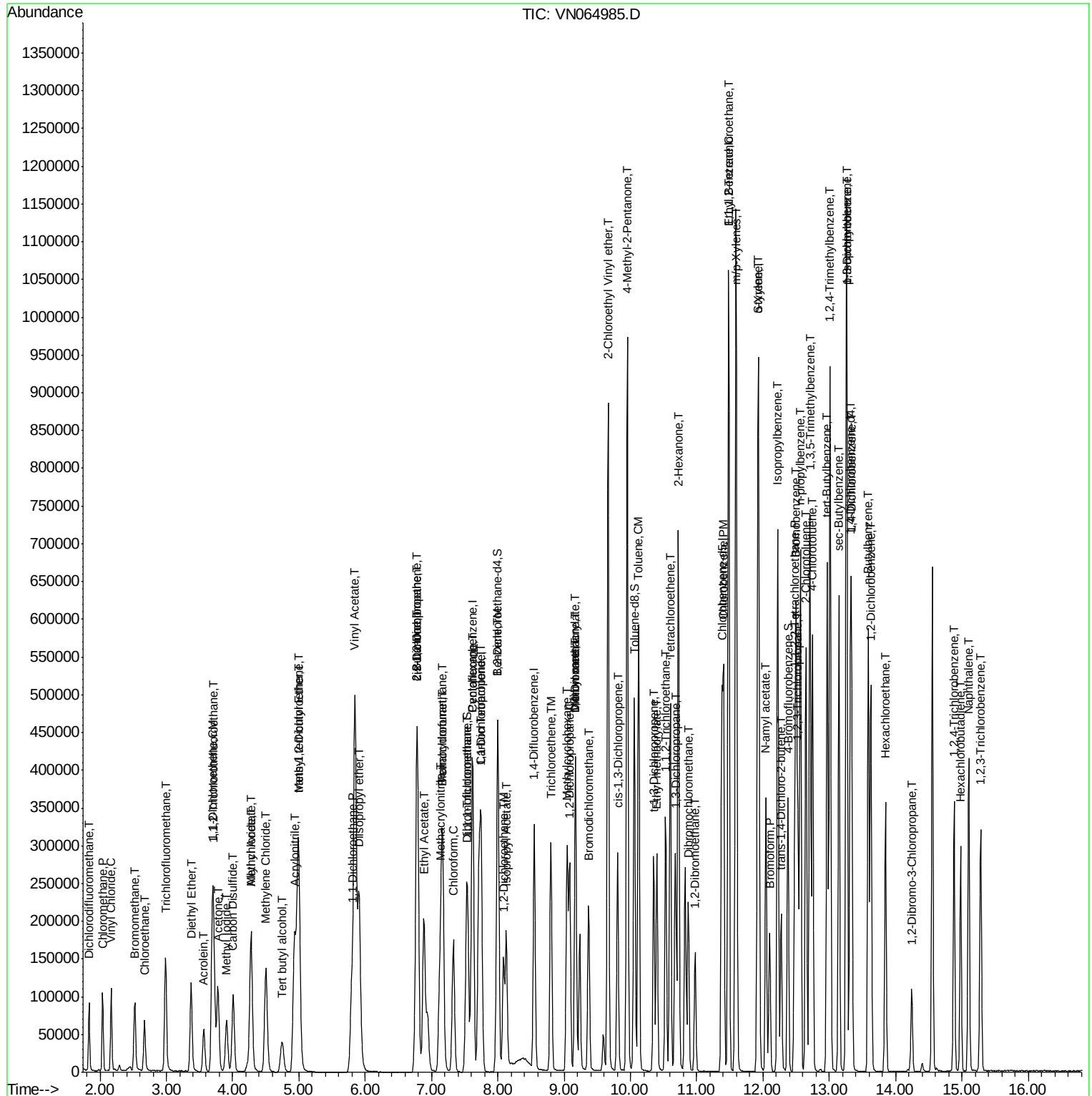
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
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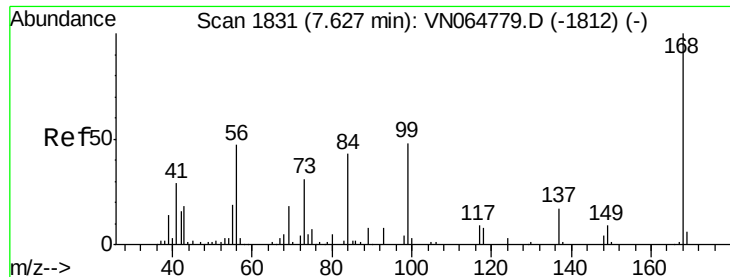
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 191424

Ion Ratio Lower Upper

168 100

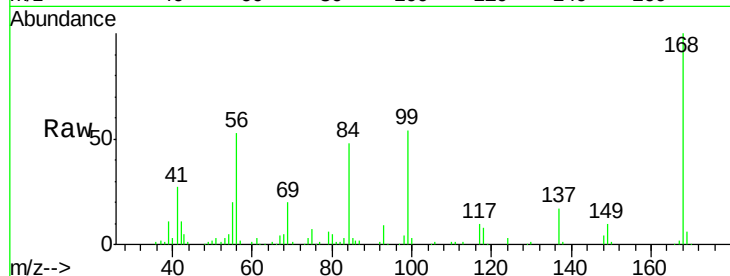
99 53.6 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

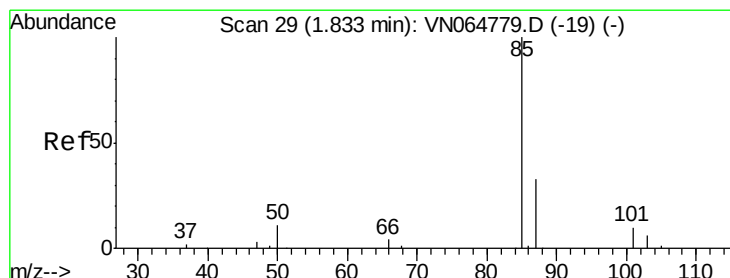
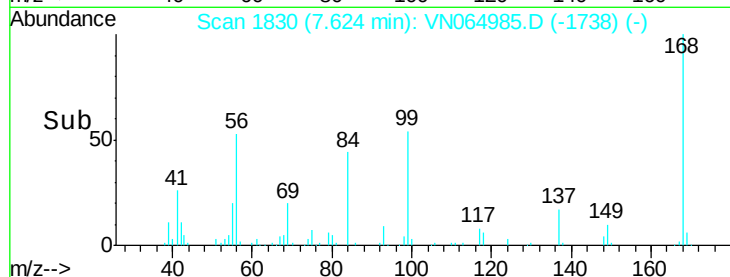
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 41.035 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064985.D

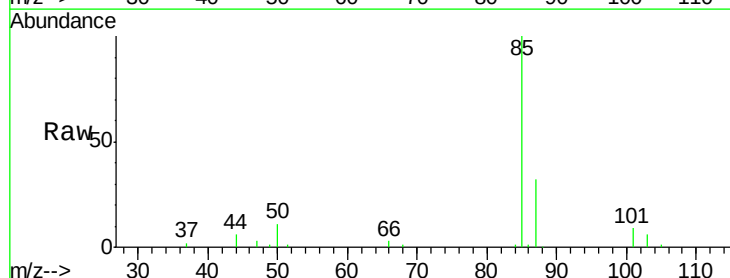
Acq: 8 Dec 2020 21:50

Tgt Ion: 85 Resp: 68078

Ion Ratio Lower Upper

85 100

87 32.1 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

30000

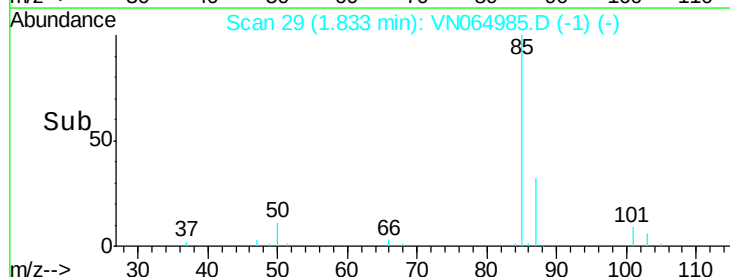
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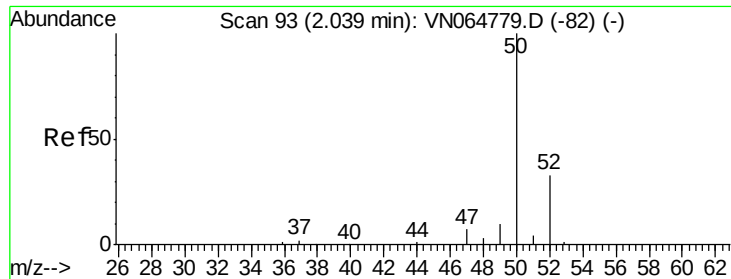
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.779 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90072

Ion Ratio Lower Upper

50 100

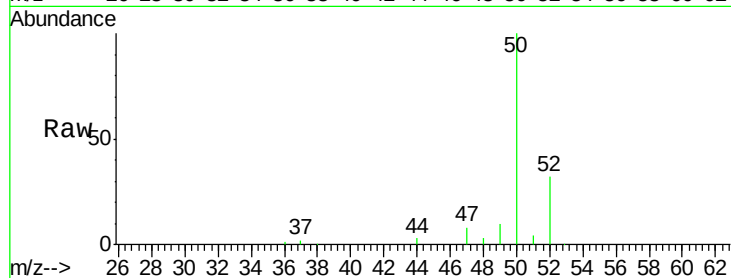
52 32.3 26.6 39.8

Manual Integrations

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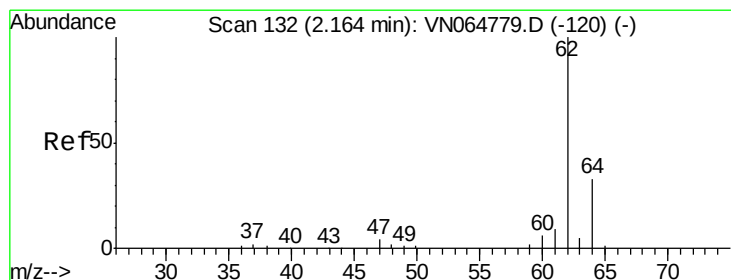
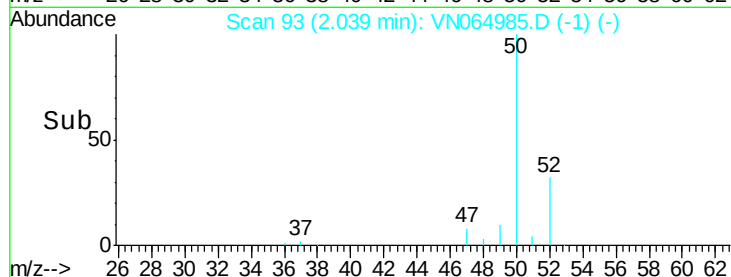
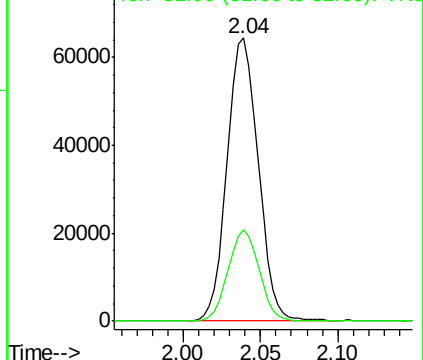
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.428 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064985.D

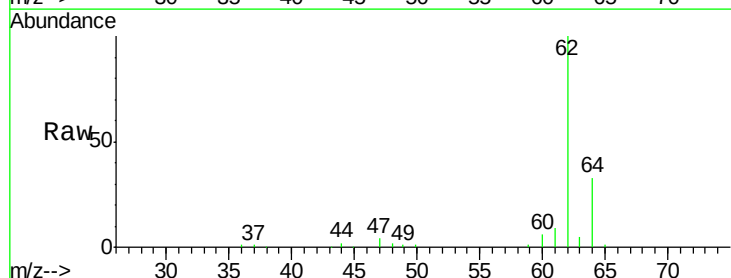
Acq: 8 Dec 2020 21:50

Tgt Ion: 62 Resp: 99860

Ion Ratio Lower Upper

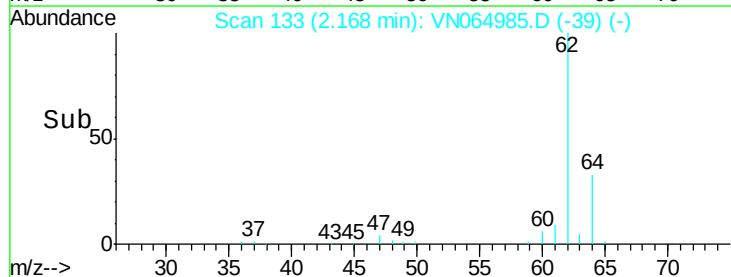
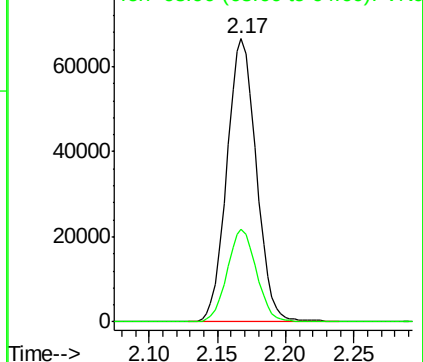
62 100

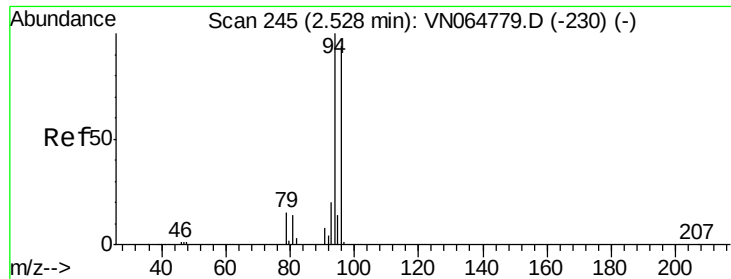
64 32.6 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.633 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

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Tot Ion: 94 Resp: 65819

Ion Ratio Lower Upper

94 100

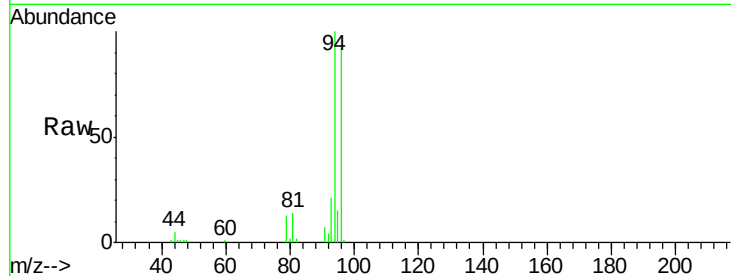
96 91.7 75.4 113.0

Manual Integrations

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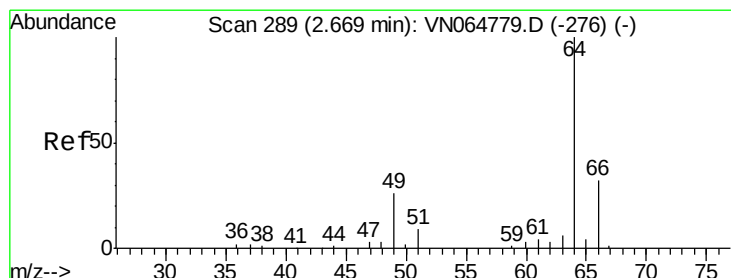
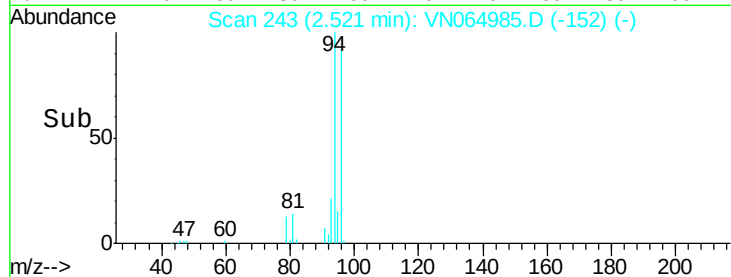
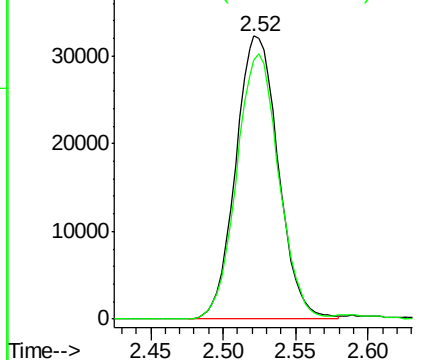
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.927 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064985.D

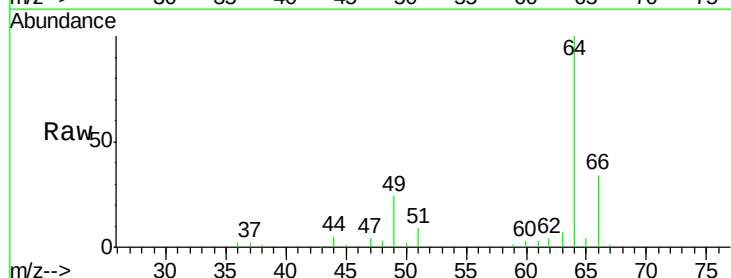
Acq: 8 Dec 2020 21:50

Tgt Ion: 64 Resp: 65238

Ion Ratio Lower Upper

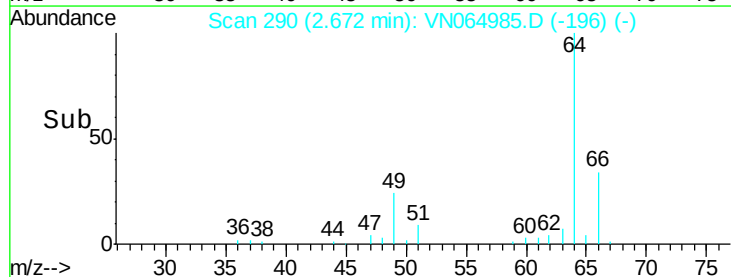
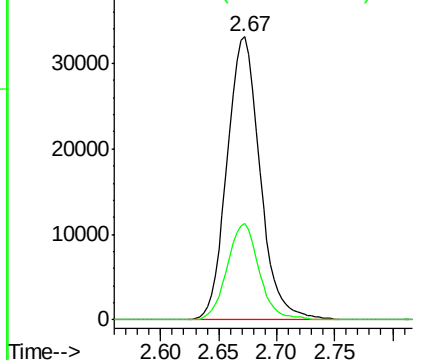
64 100

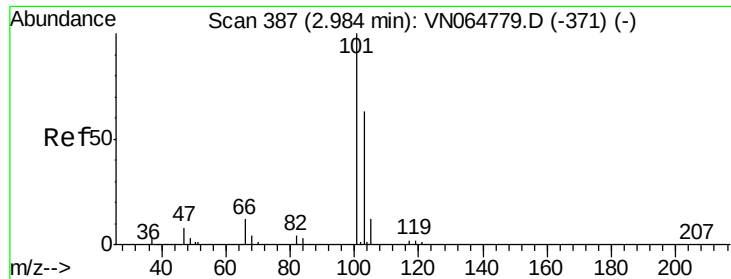
66 33.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

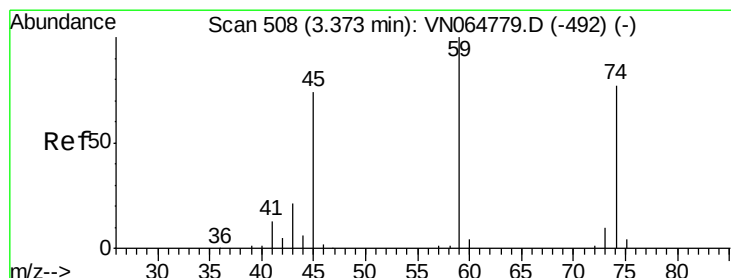
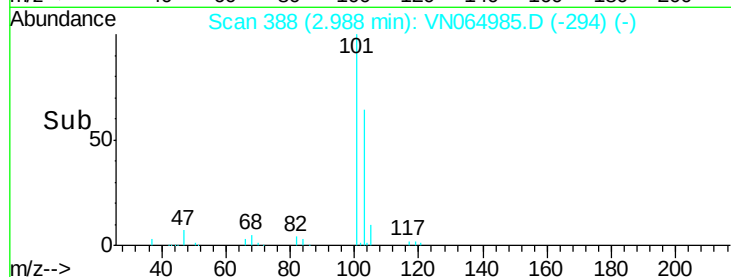
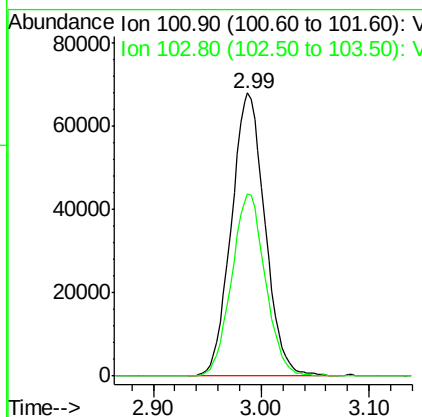
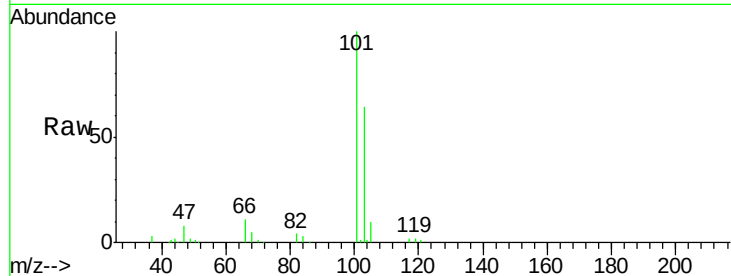
Trichlorofluoromethane
Concen: 47.629 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.5	75.7

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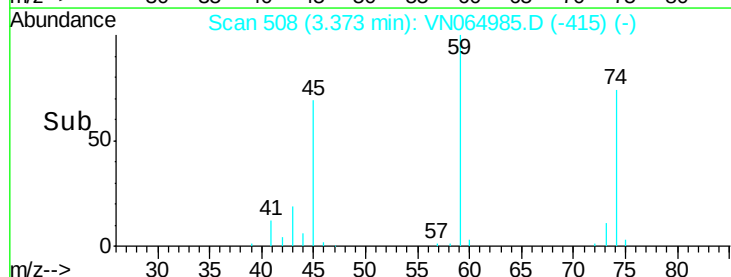
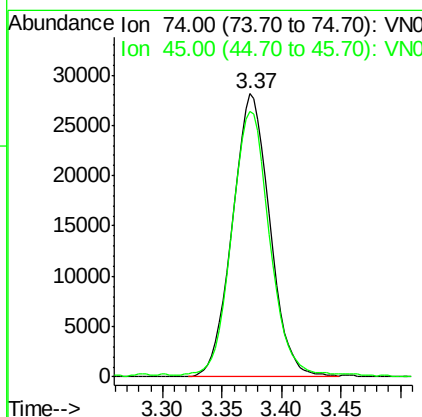
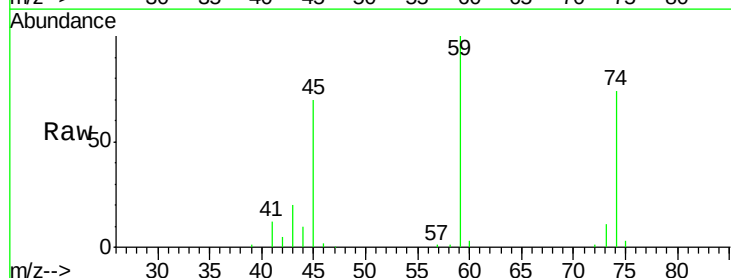
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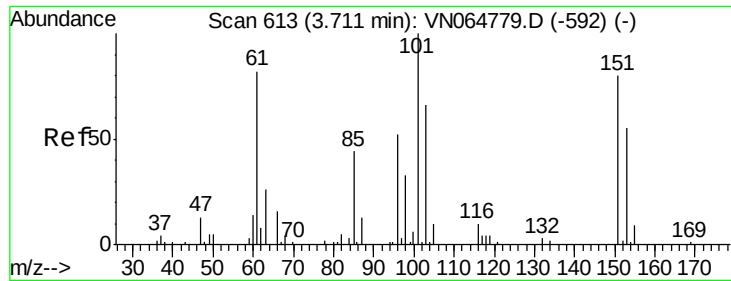


#8

Diethyl Ether
Concen: 49.954 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.531 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

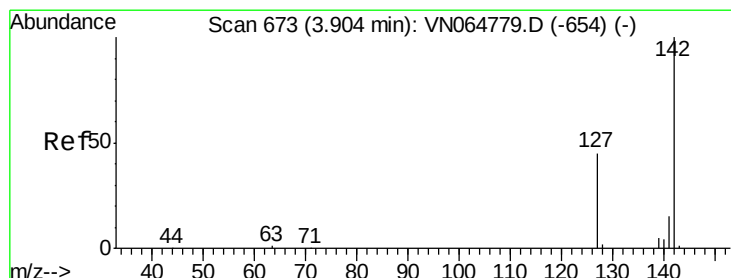
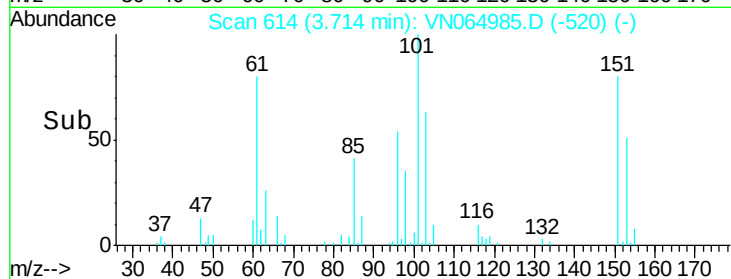
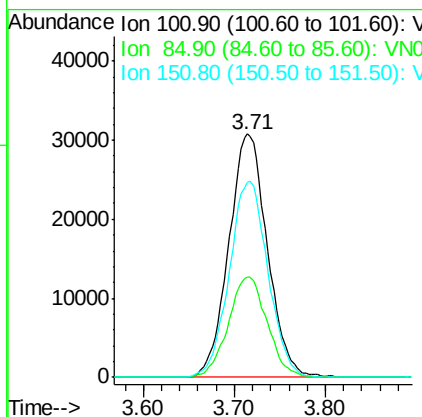
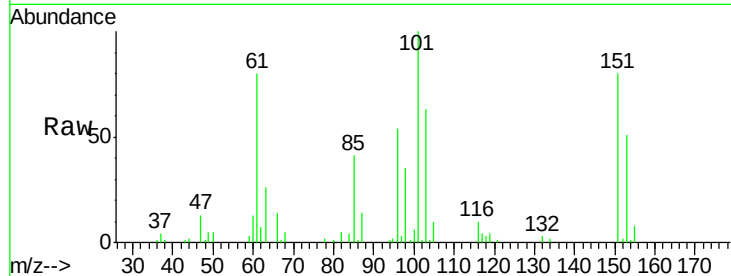
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	90455
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.4	51.6
151	80.9	64.0	96.0

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#10

Methyl Iodide

Concen: 46.001 ug/l

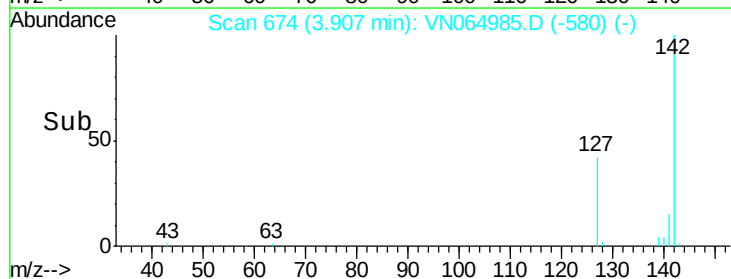
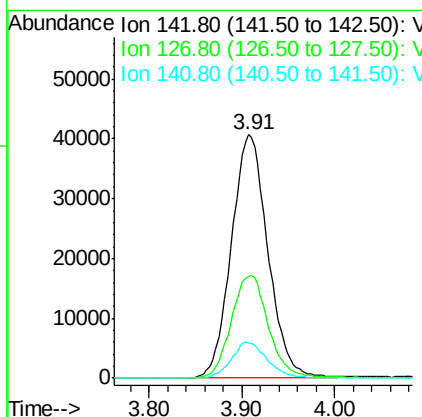
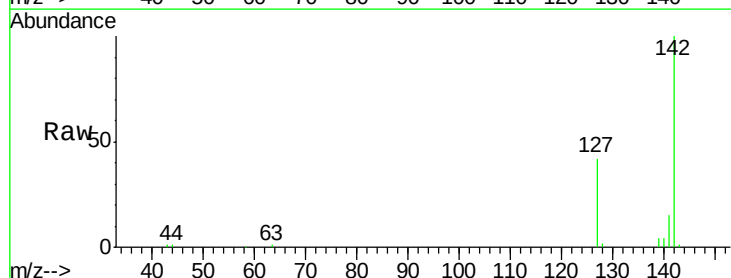
RT: 3.91 min Scan# 674

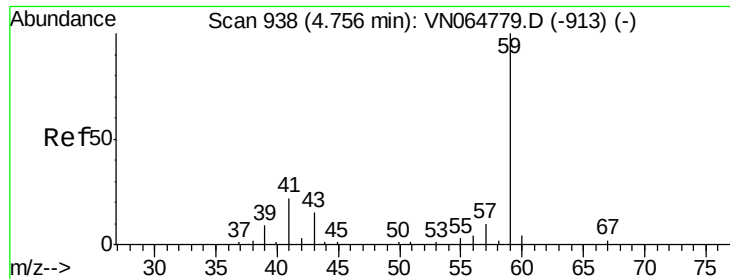
Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	142	Resp:	111211
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.0	52.6
141	14.4	11.8	17.6





#11

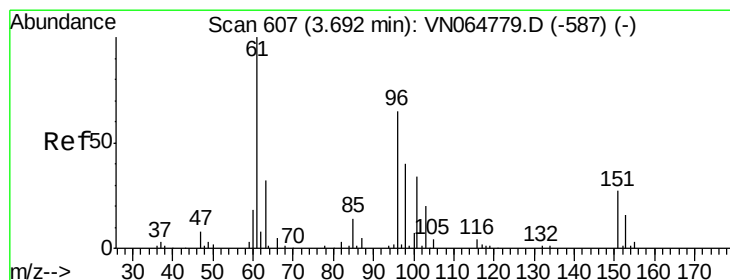
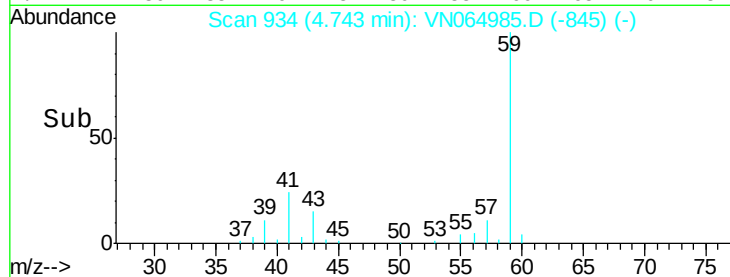
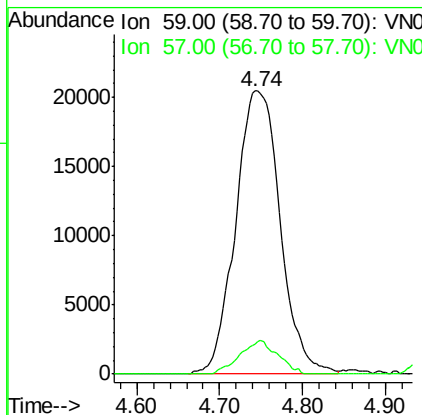
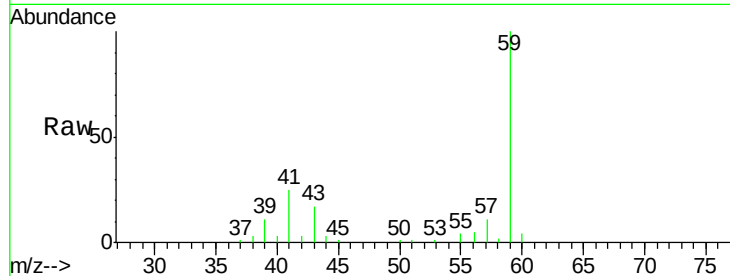
Tert butyl alcohol
 Concen: 220.687 ug/l
 RT: 4.74 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.9	11.9

Manual Integrations
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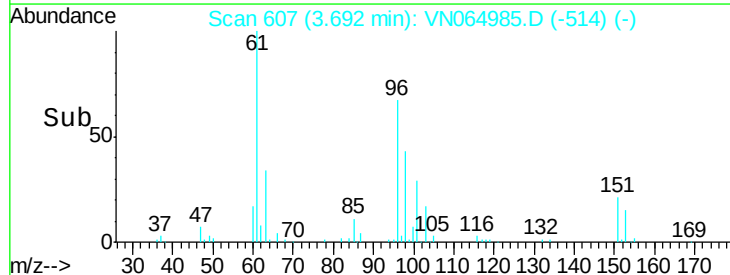
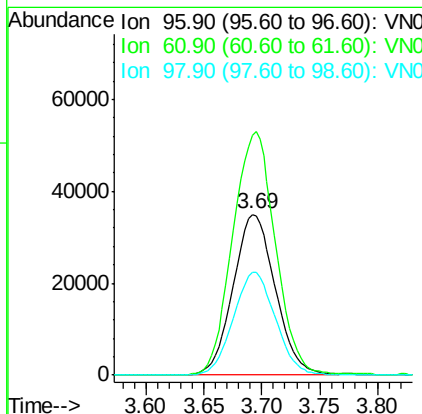
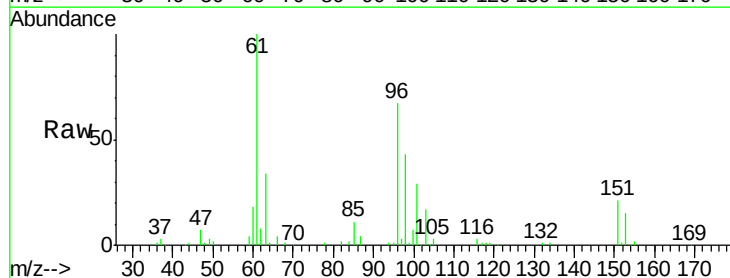
MMDadoda
 12/10/2020 9:55:51 AM

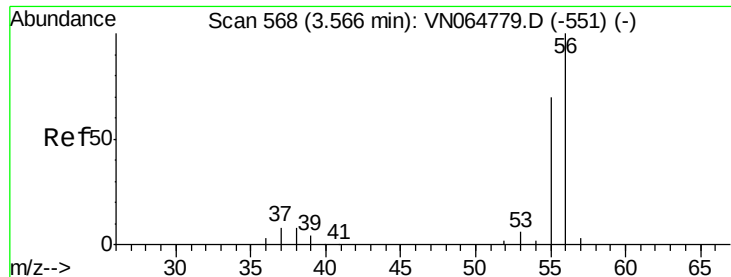


#12

1,1-Dichloroethene
 Concen: 47.611 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	123.4	185.2
98	63.8	49.8	74.8





#13

Acrolein

Concen: 307.881 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65268

Ion Ratio Lower Upper

56 100

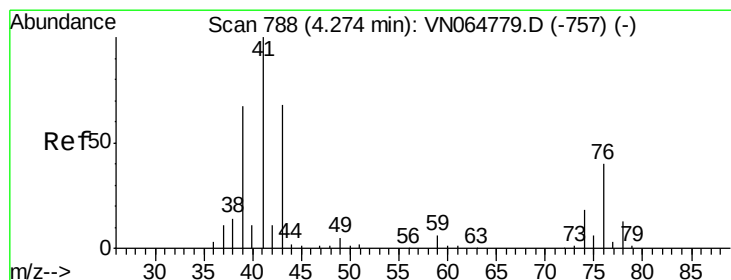
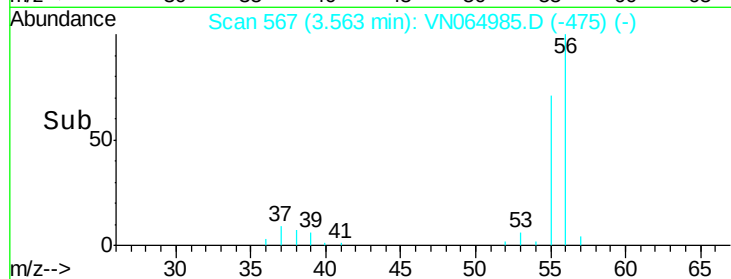
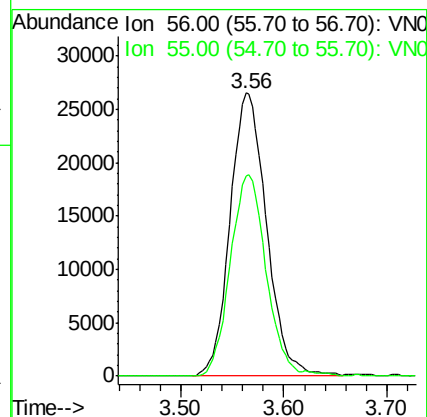
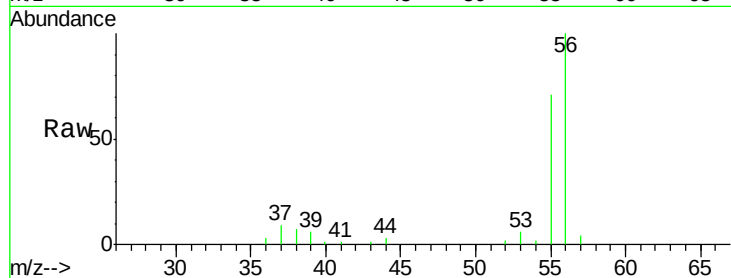
55 70.3 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 46.563 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

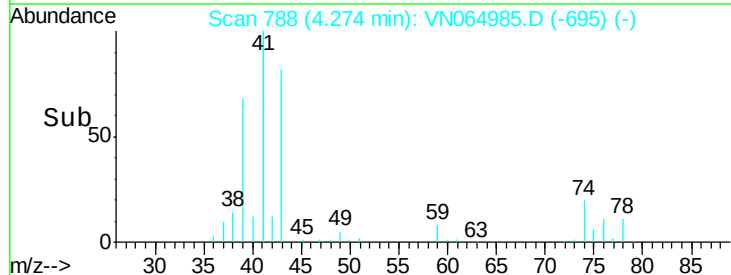
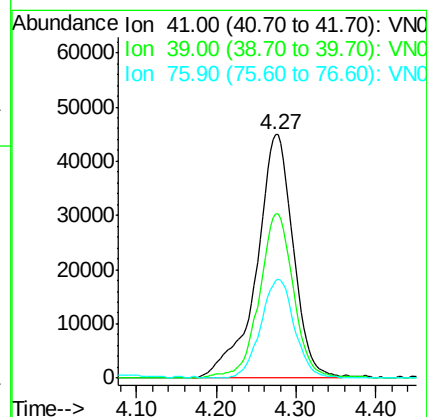
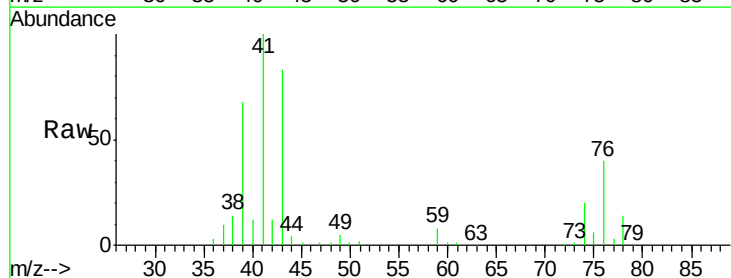
Tgt Ion: 41 Resp: 142557

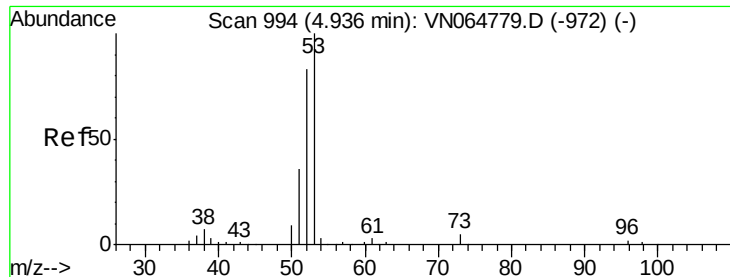
Ion Ratio Lower Upper

41 100

39 62.5 50.9 76.3

76 37.3 29.0 43.4





#15

Acrylonitrile

Concen: 251.734 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

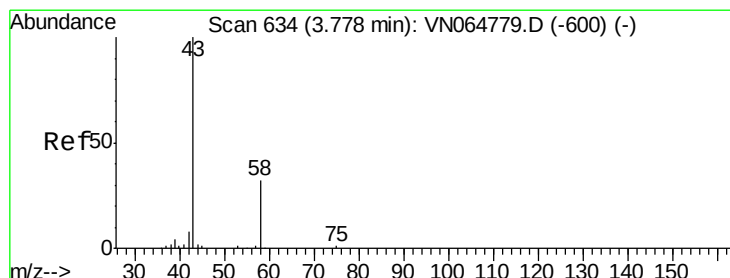
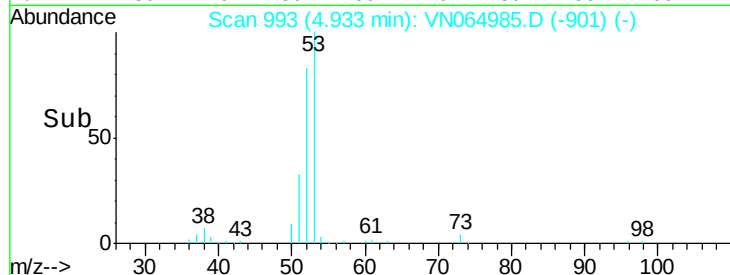
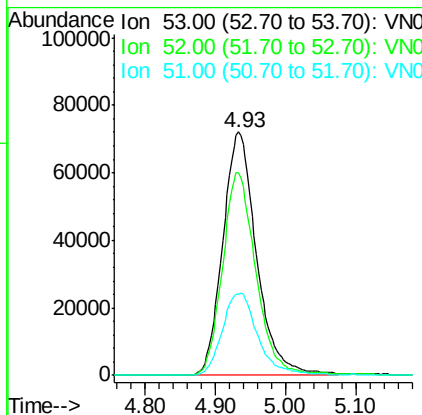
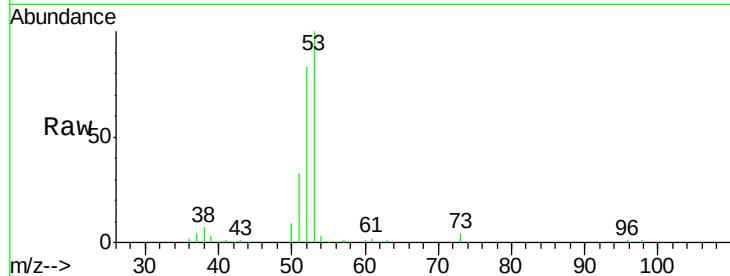
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	241354
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	35.5	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 251.079 ug/l

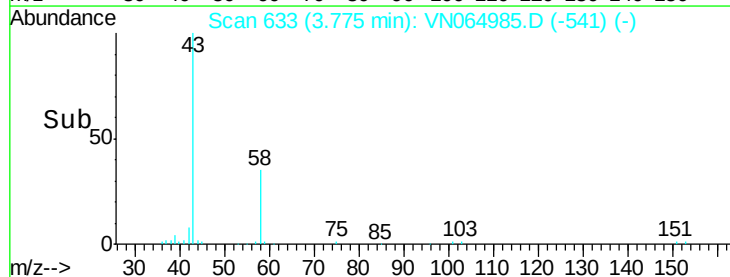
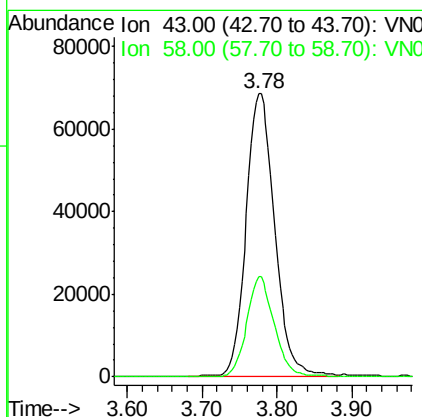
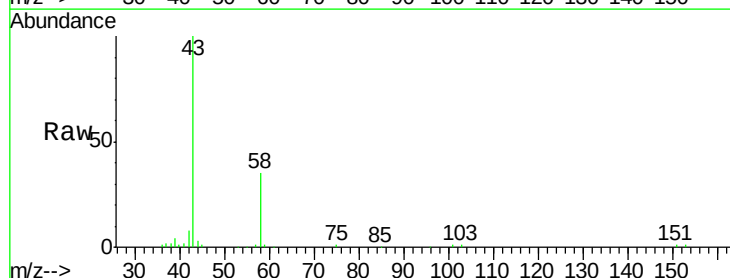
RT: 3.78 min Scan# 633

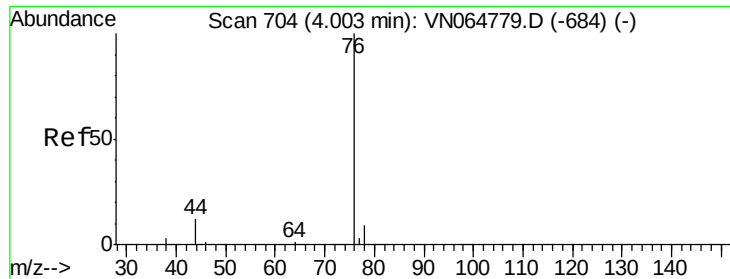
Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	43	Resp:	183680
Ion	Ratio	Lower	Upper
43	100		
58	35.3	25.7	38.5





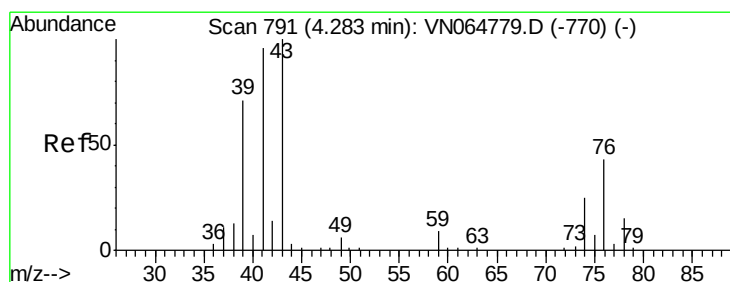
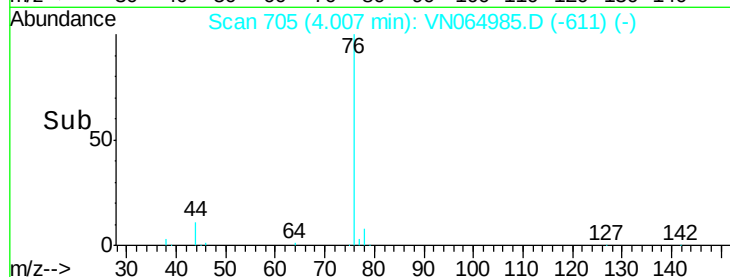
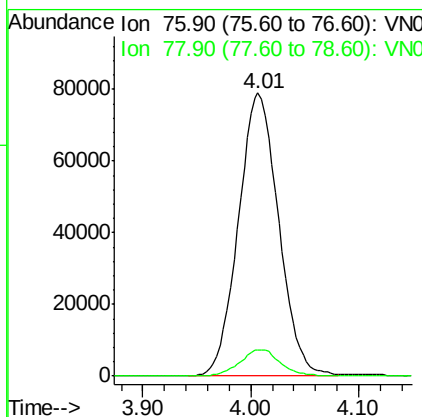
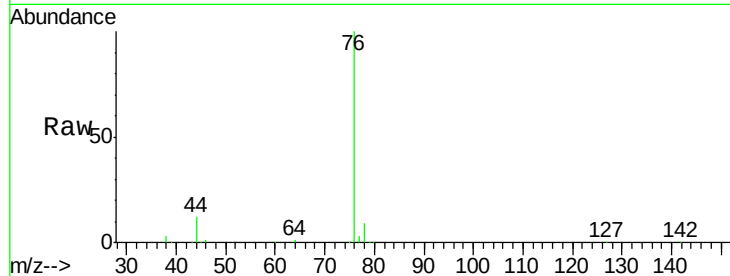
#17
Carbon Disulfide
Concen: 42.830 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 205273
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

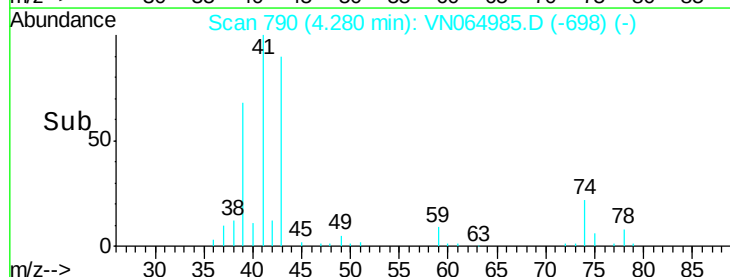
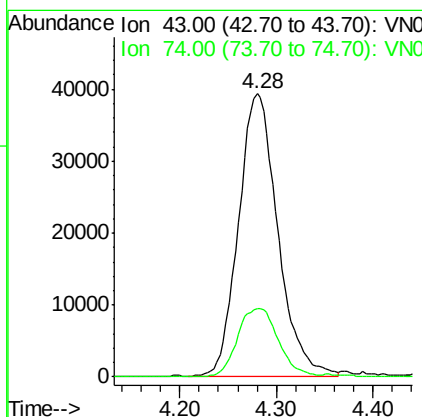
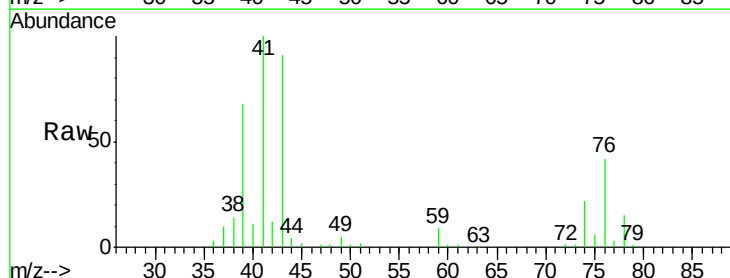
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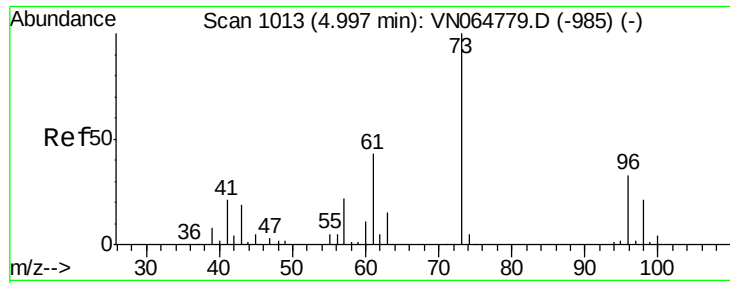
MMDadoda
12/10/2020 9:55:51 AM



#18
Methyl Acetate
Concen: 50.669 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion: 43 Resp: 111447
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.2





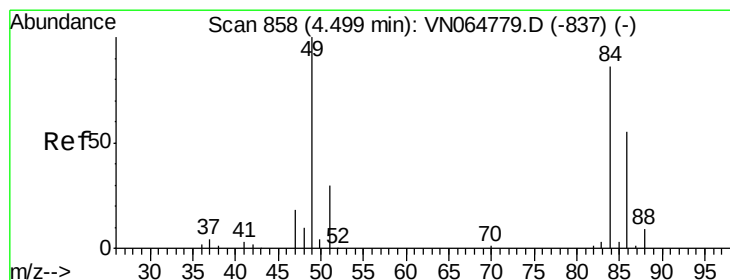
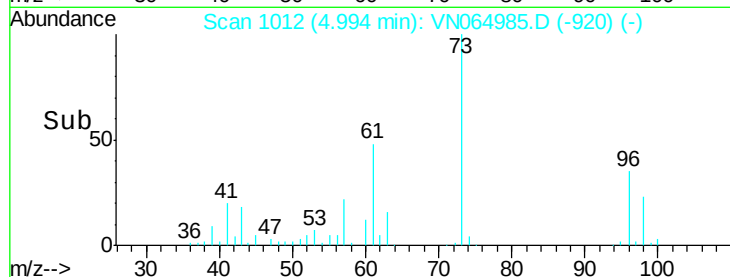
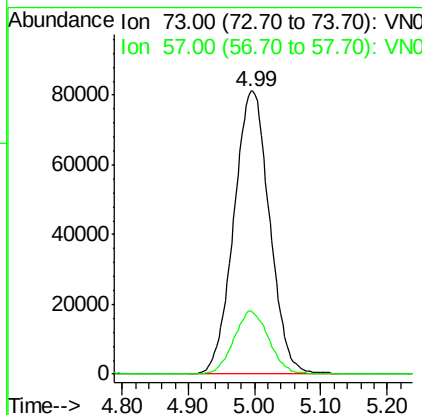
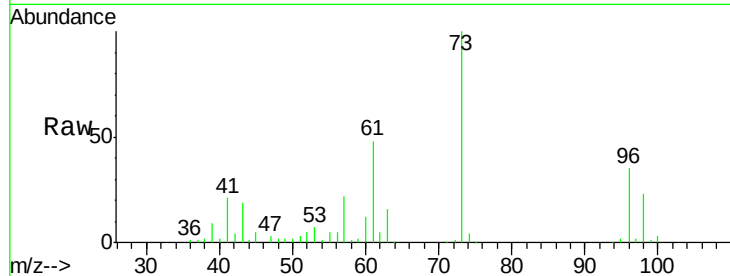
#19
Methyl tert-butyl Ether
Concen: 50.991 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 303568
Ion Ratio Lower Upper
73 100
57 22.3 17.4 26.0

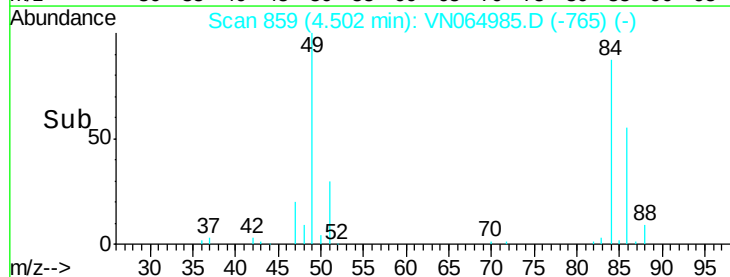
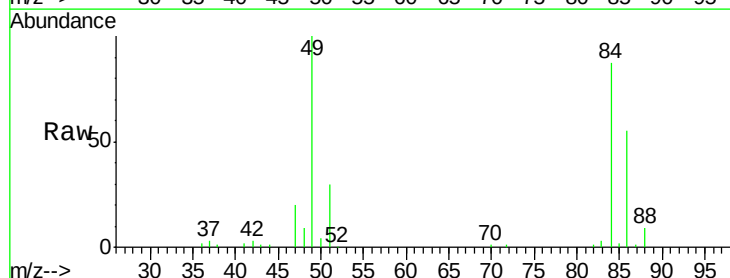
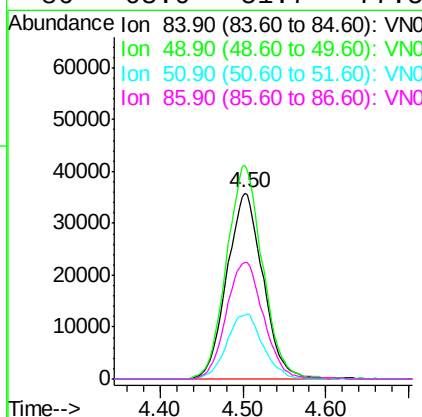
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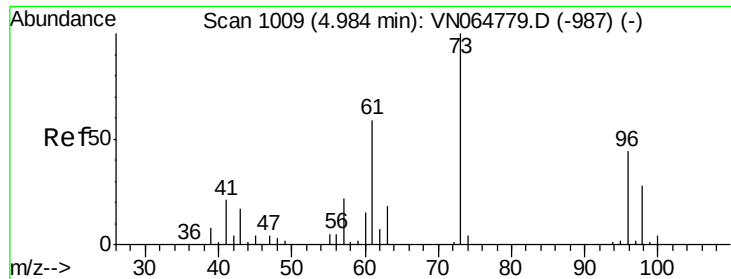
MMDadoda
12/10/2020 9:55:51 AM



#20
Methylene Chloride
Concen: 47.187 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion: 84 Resp: 108171
Ion Ratio Lower Upper
84 100
49 114.8 93.4 140.0
51 34.5 28.2 42.4
86 63.0 51.7 77.5





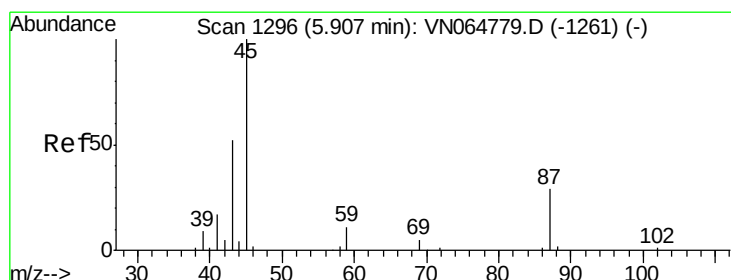
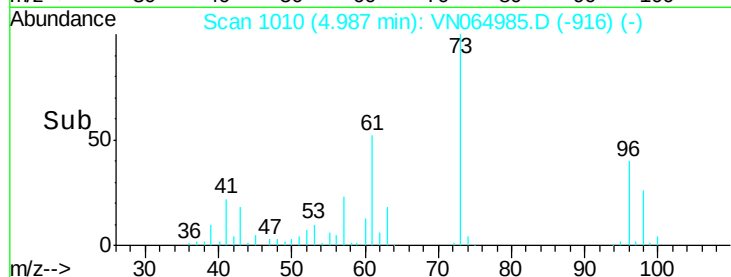
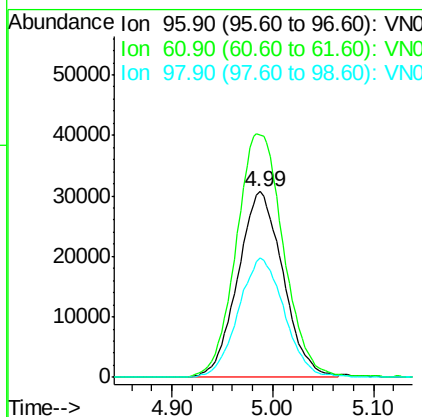
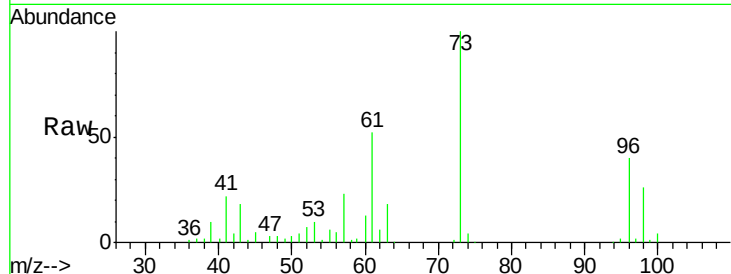
#21
trans-1,2-Dichloroethene
Concen: 46.307 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	108.4	162.6
98	64.2	51.3	76.9

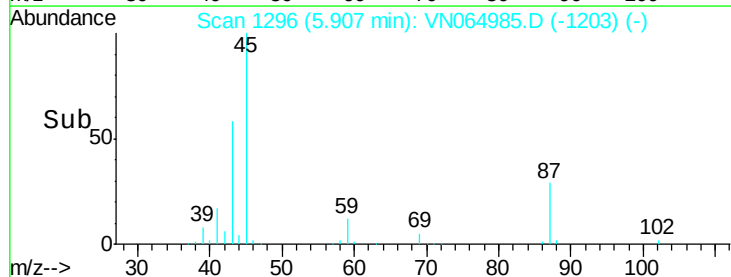
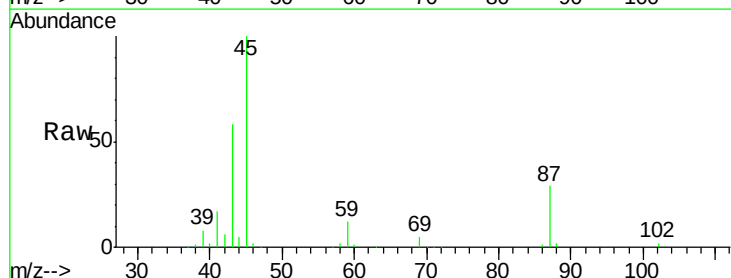
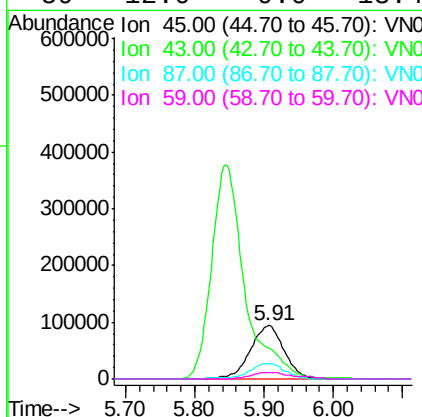
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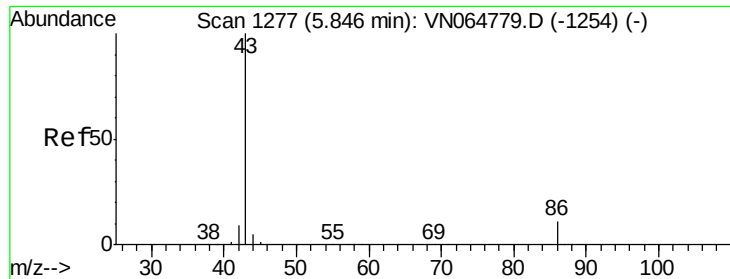
MMDadoda
12/10/2020 9:55:51 AM



#22
Diisopropyl ether
Concen: 52.173 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.2	69.2
87	28.5	24.1	36.1
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 256.976 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1259284

Ion Ratio Lower Upper

43 100

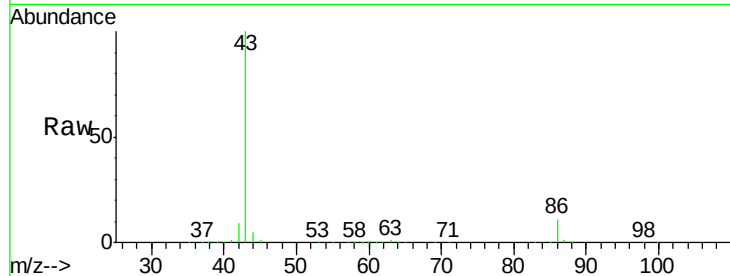
86 11.1 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN064985.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064985.D (-1184) (-)

400000

300000

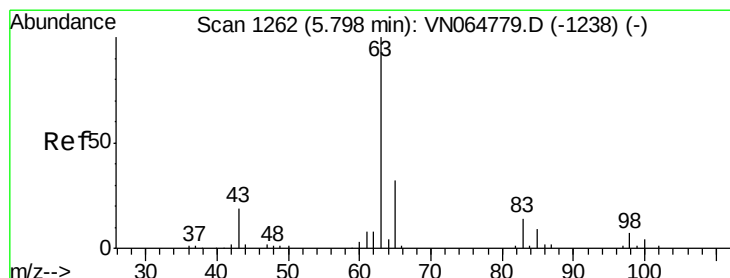
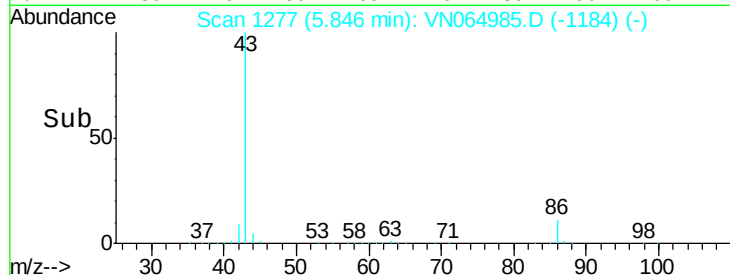
200000

100000

0

5.80 5.85 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.557 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

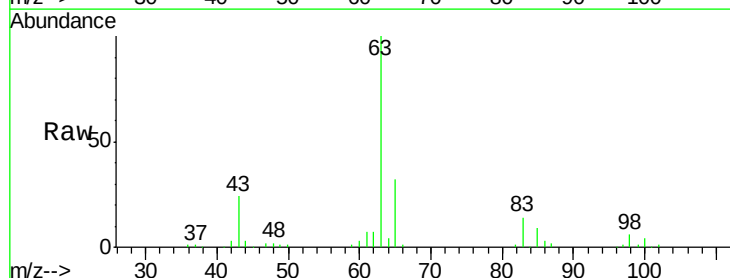
Tgt Ion: 63 Resp: 185153

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064985.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064985.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064985.D (-1169) (-)

80000

60000

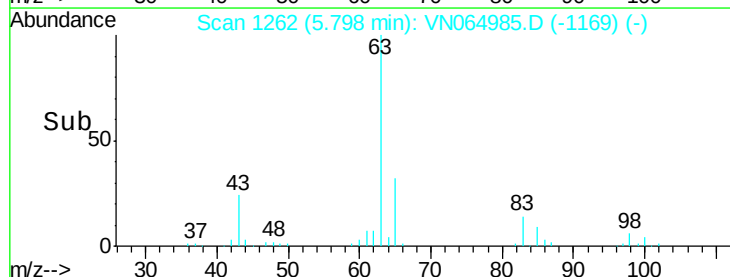
40000

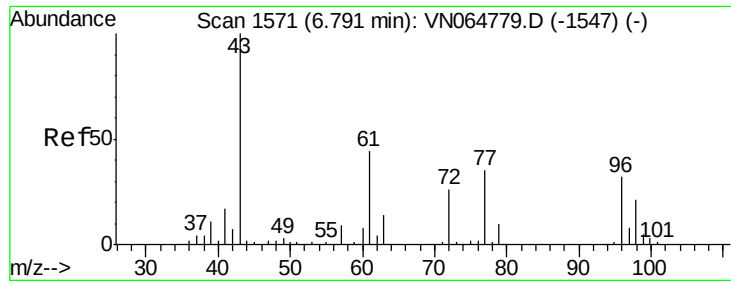
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 250.184 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 296693

Ion Ratio Lower Upper

43 100

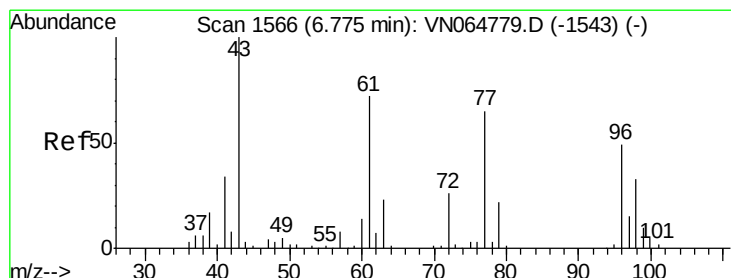
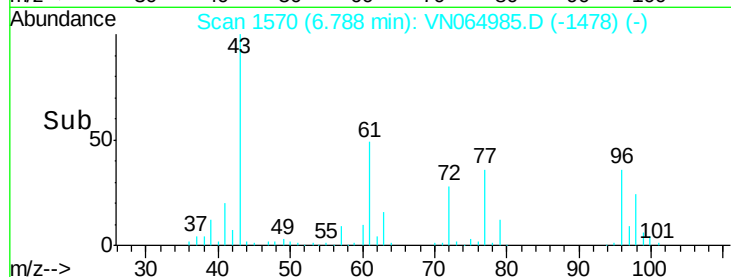
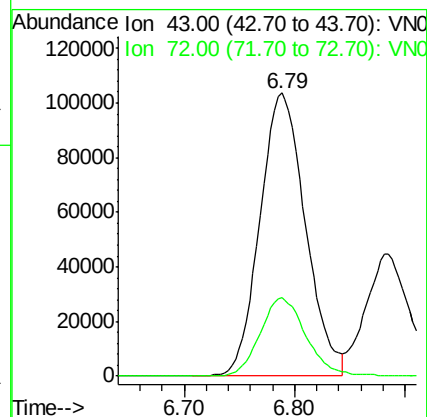
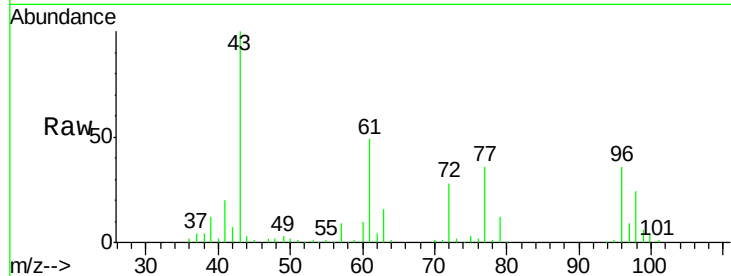
72 27.7 21.0 31.6

Manual Integrations

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MMDadoda

12/10/2020 9:55:51 AM



#26

2,2-Dichloropropane

Concen: 45.873 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064985.D

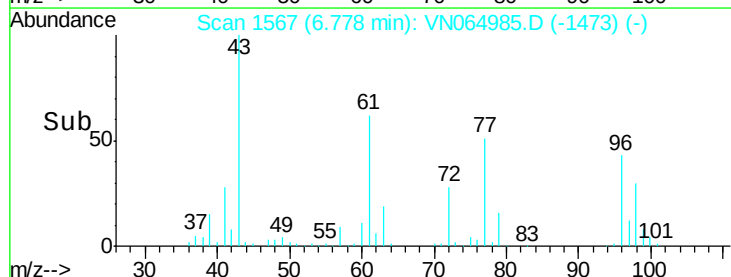
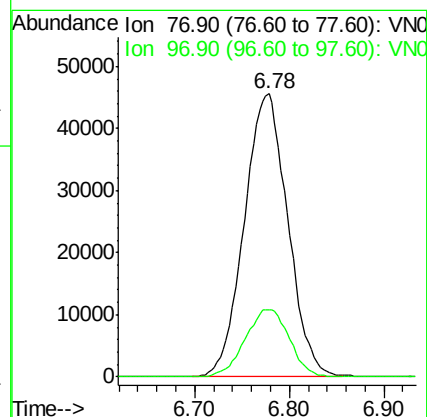
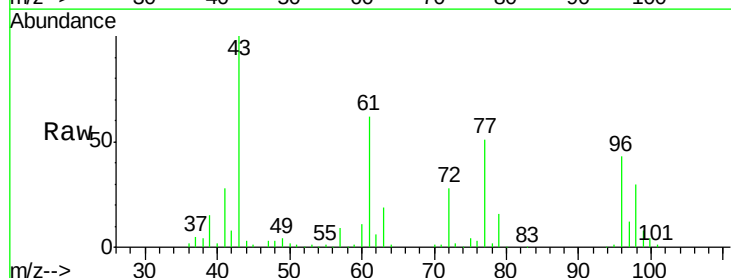
Acq: 8 Dec 2020 21:50

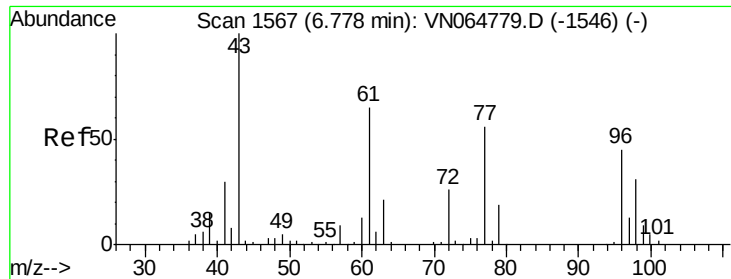
Tgt Ion: 77 Resp: 145708

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0





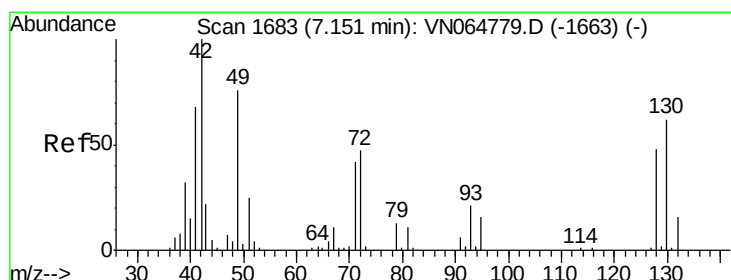
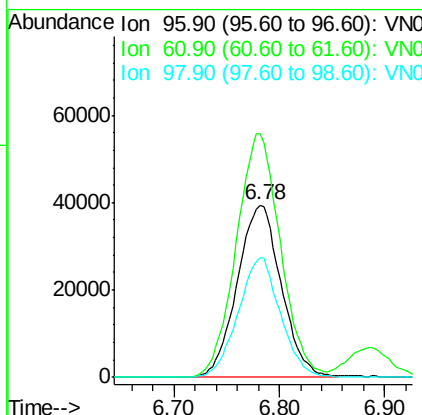
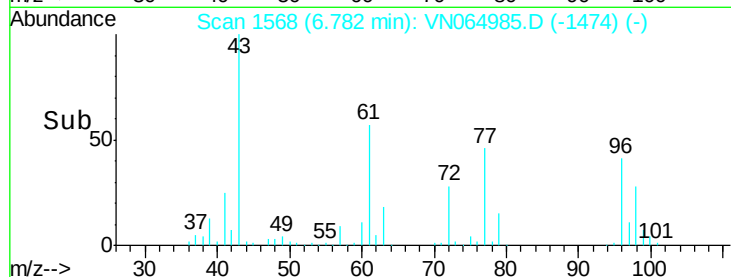
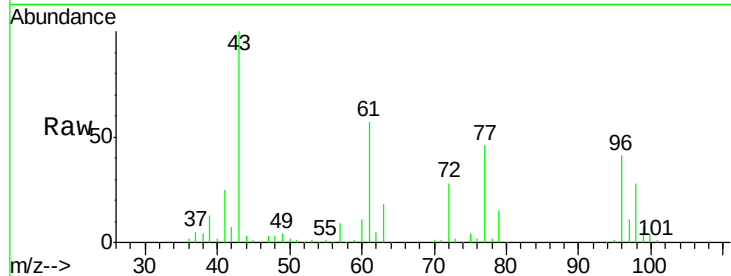
#27
 cis-1,2-Dichloroethene
 Concen: 49.226 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	114182		
61	142.1	0.0	285.8	
98	66.9	0.0	130.6	

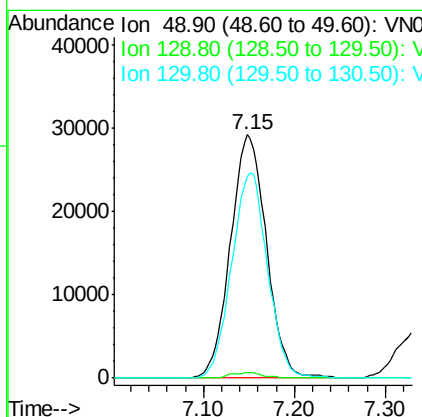
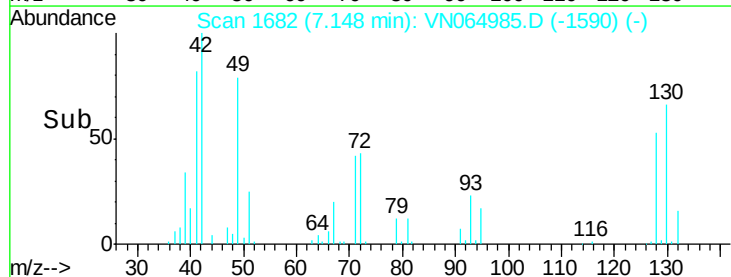
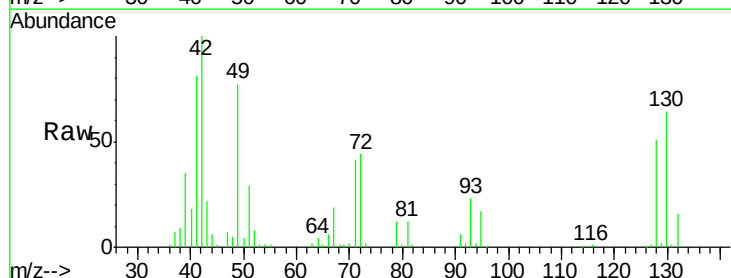
Manual Integrations
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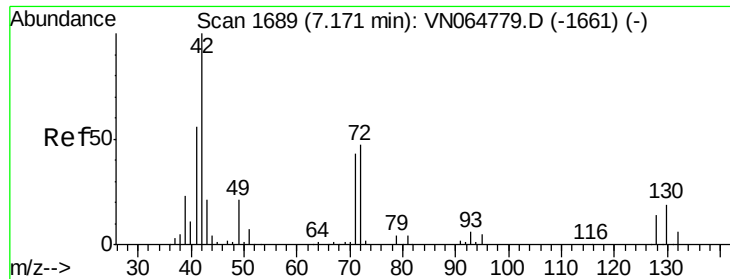
MMDadoda
 12/10/2020 9:55:51 AM



#28
 Bromochloromethane
 Concen: 47.968 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80366		
129	2.0	0.0	3.8	
130	84.1	66.2	99.2	





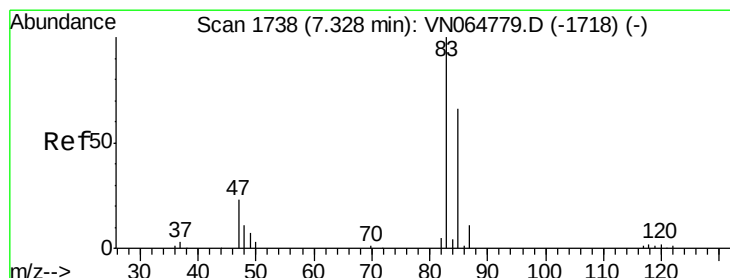
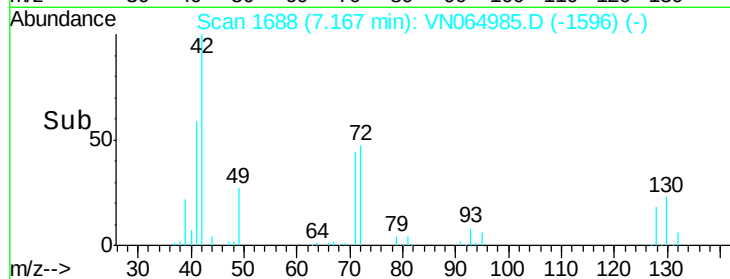
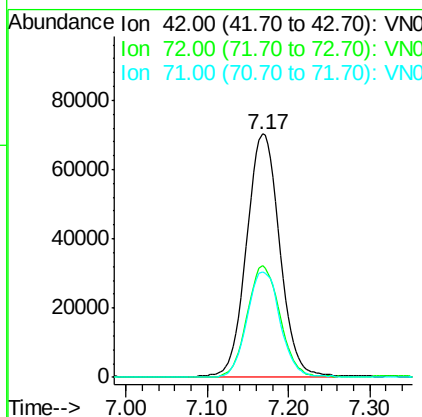
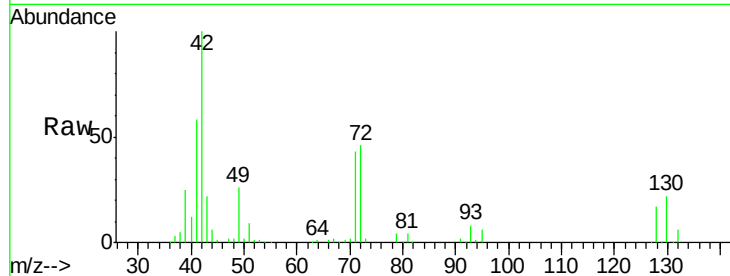
#29
Tetrahydrofuran
Concen: 242.153 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.6	54.8
71	43.1	33.6	50.4

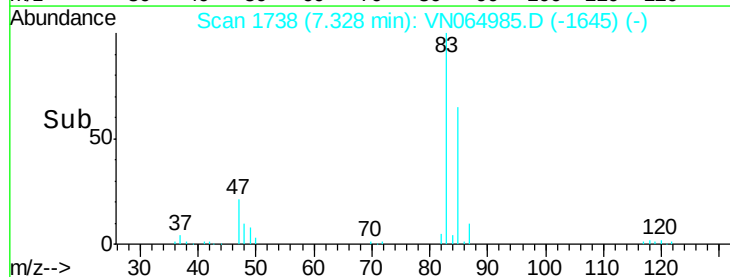
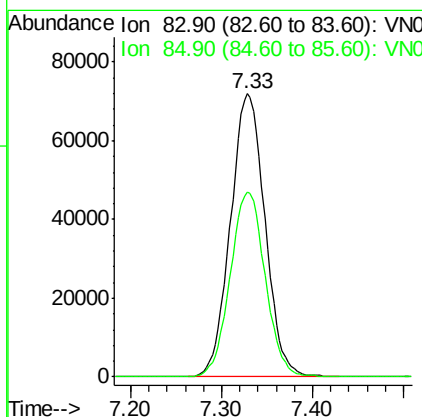
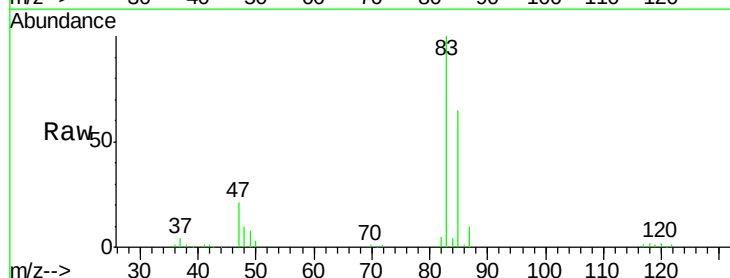
Manual Integrations
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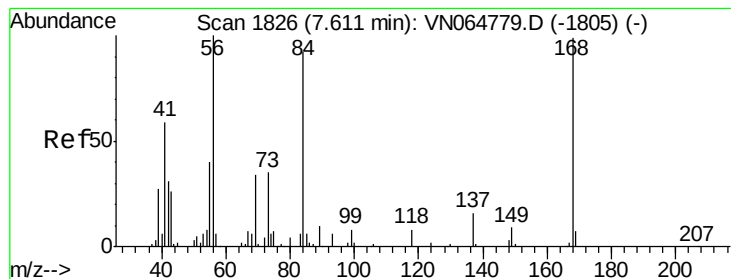
MMDadoda
12/10/2020 9:55:51 AM



#30
Chloroform
Concen: 50.223 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





#31

Cyclohexane

Concen: 43.916 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

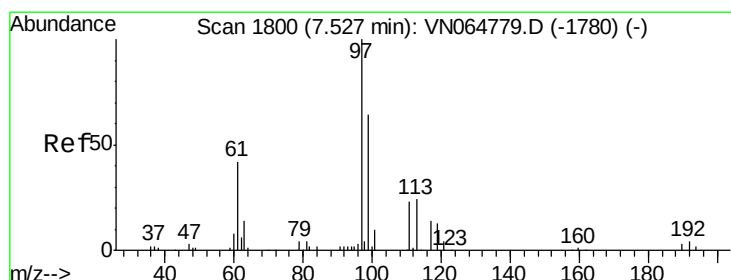
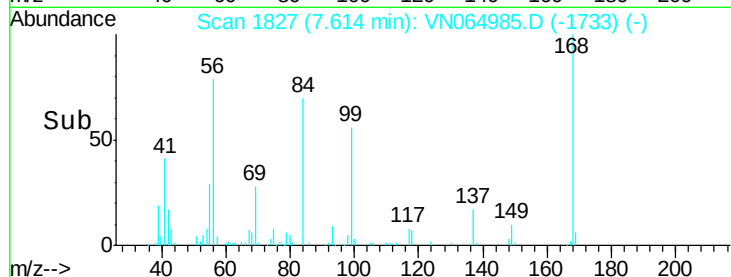
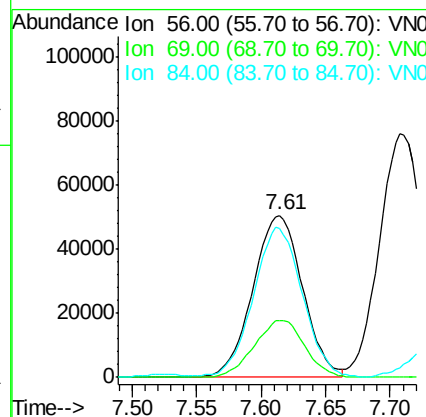
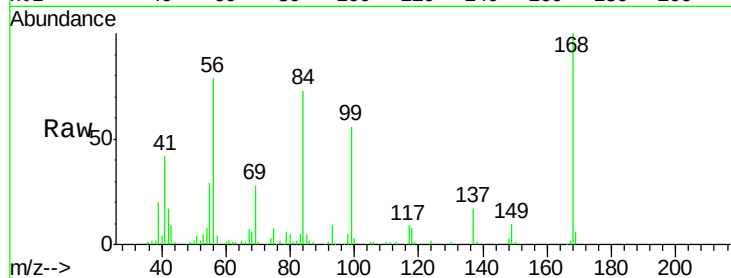
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	136216
Ion	Ratio	Lower	Upper
56	100		
69	34.9	27.5	41.3
84	90.7	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.815 ug/l

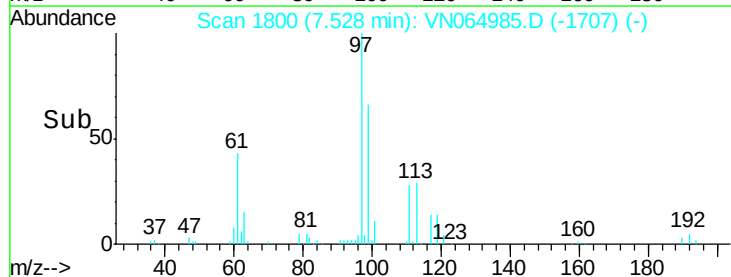
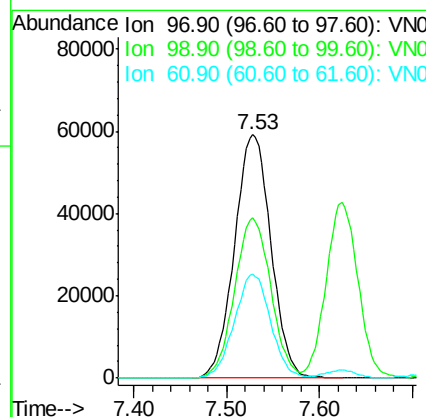
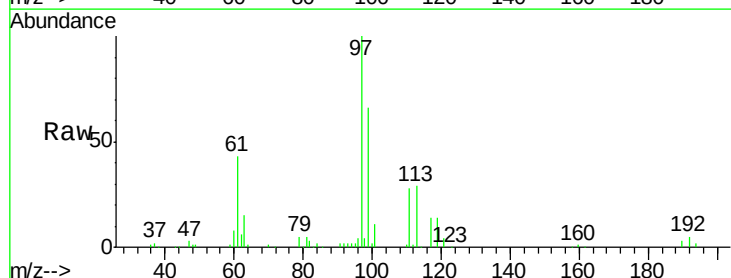
RT: 7.53 min Scan# 1800

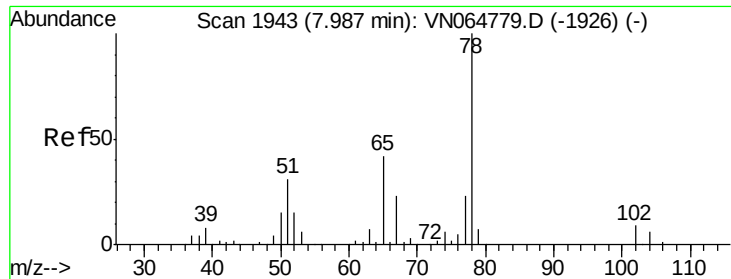
Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	97	Resp:	161585
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.7	77.5
61	42.2	33.9	50.9





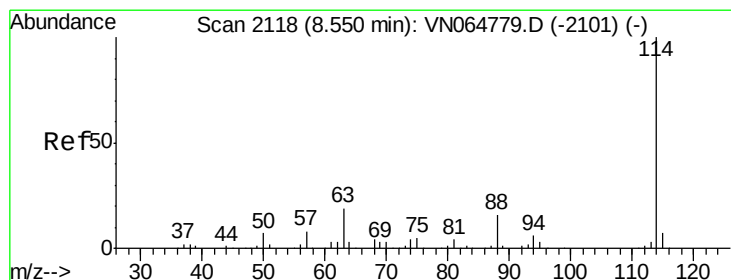
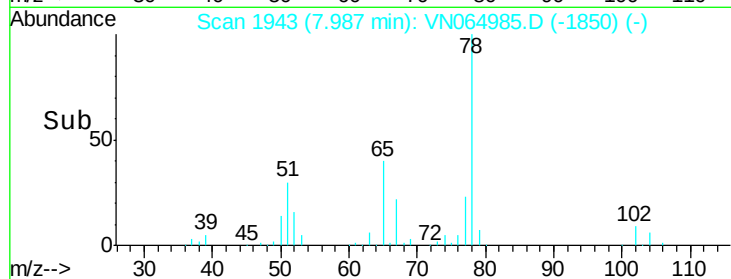
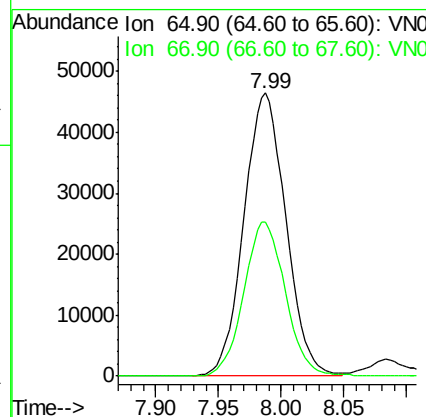
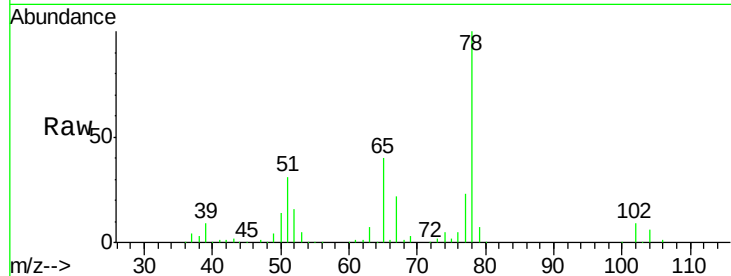
#33
 1,2-Dichloroethane-d4
 Concen: 48.532 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	108.2	

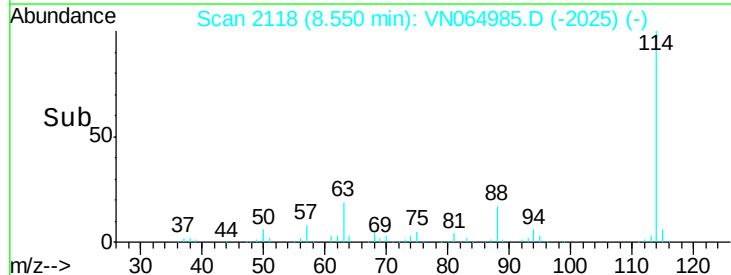
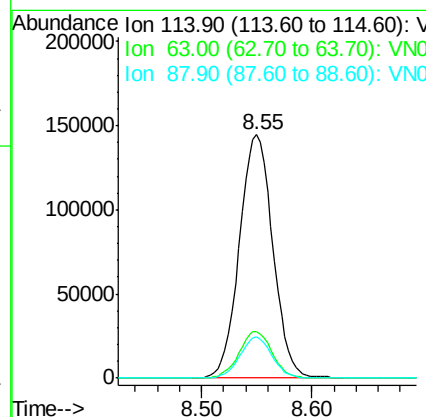
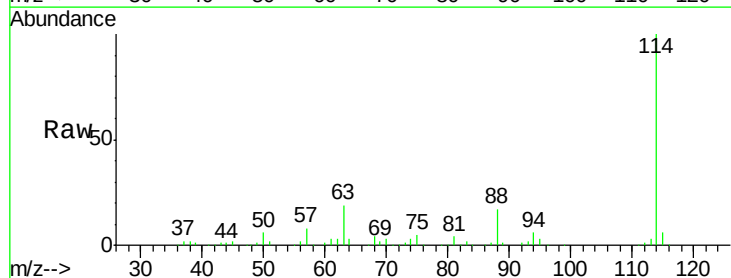
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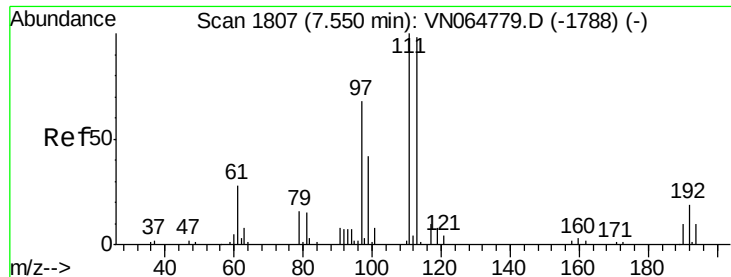
MMDadoda
 12/10/2020 9:55:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	38.6	
88	16.9	0.0	32.6	





#35

Dibromofluoromethane

Concen: 51.637 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

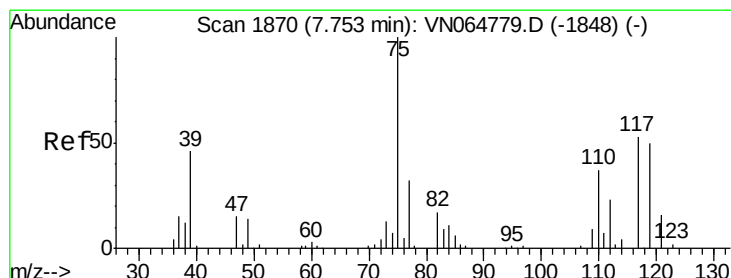
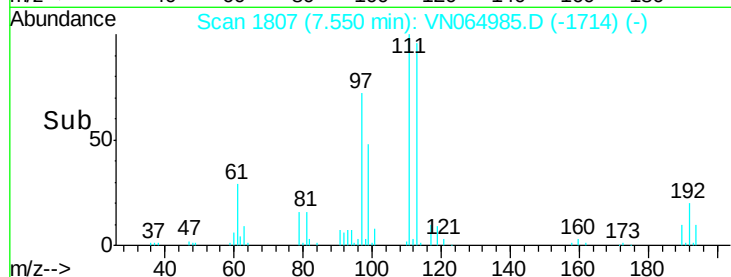
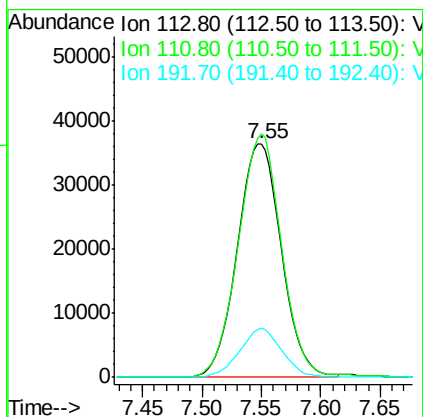
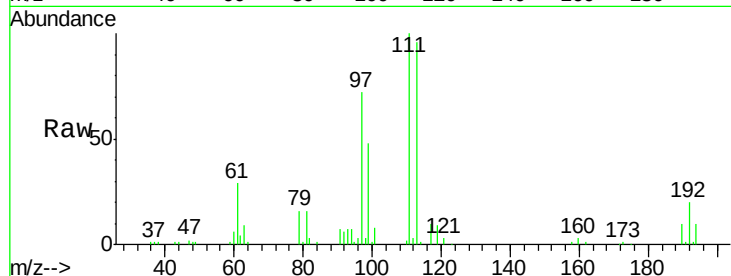
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	93800
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.6	122.4
192	19.8	16.2	24.2

Manual Integrations
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MMDadoda
12/10/2020 9:55:51 AM



#36

1,1-Dichloropropene

Concen: 47.597 ug/l

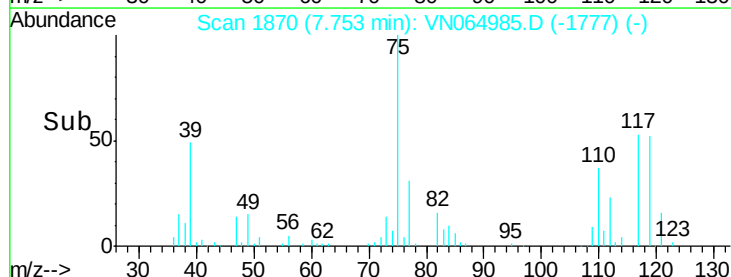
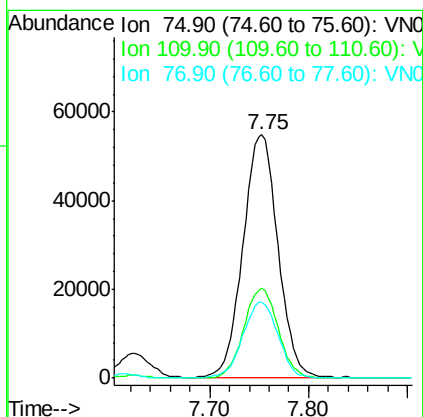
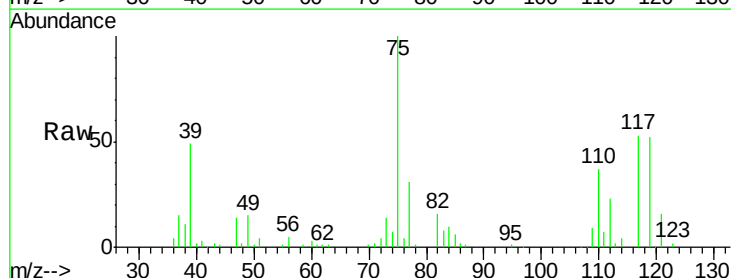
RT: 7.75 min Scan# 1870

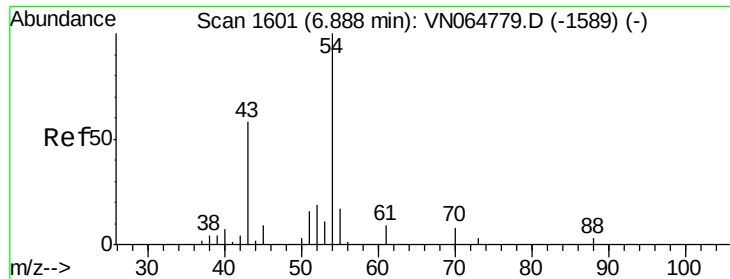
Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	75	Resp:	133934
Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.8	53.3
77	31.9	25.0	37.4





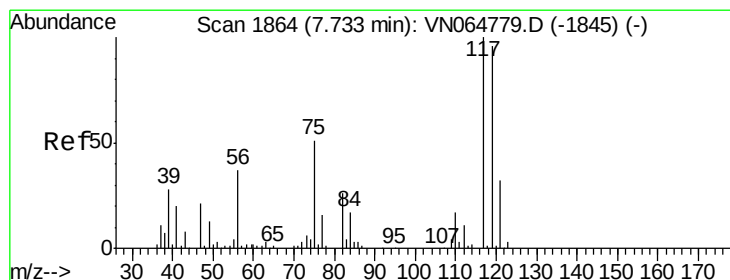
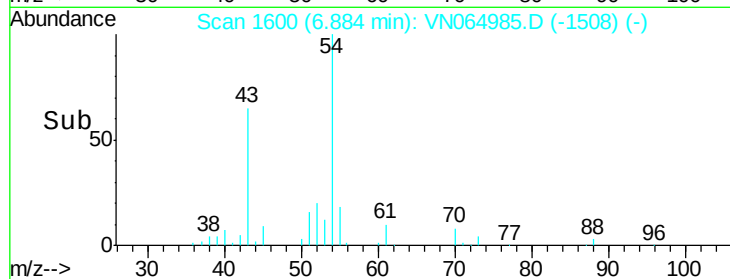
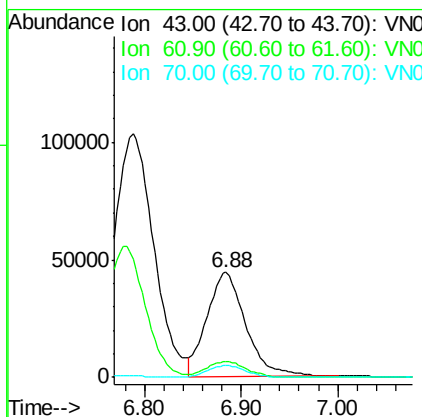
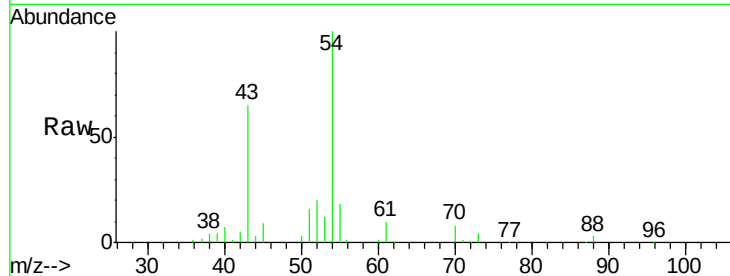
#37
Ethyl Acetate
Concen: 45.936 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.8	19.2
70	11.4	8.8	13.2

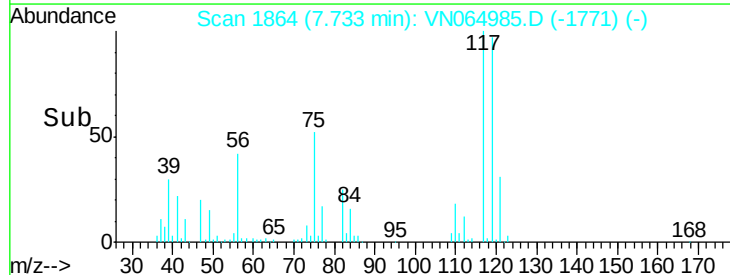
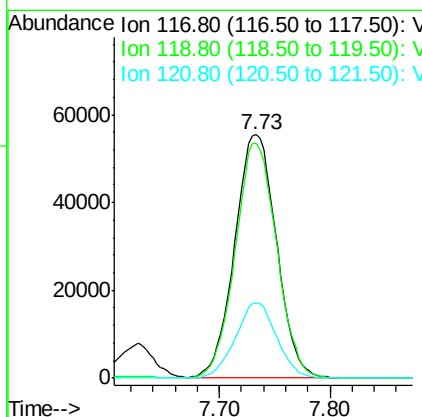
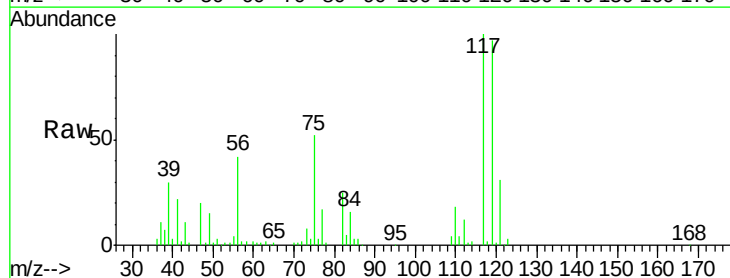
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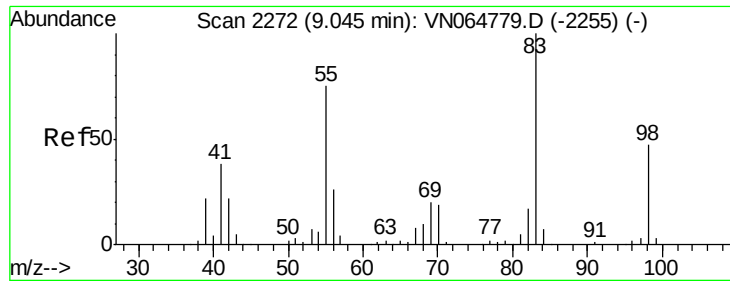
MMDadoda
12/10/2020 9:55:51 AM



#38
Carbon Tetrachloride
Concen: 49.505 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.7	115.1
121	30.9	25.4	38.2





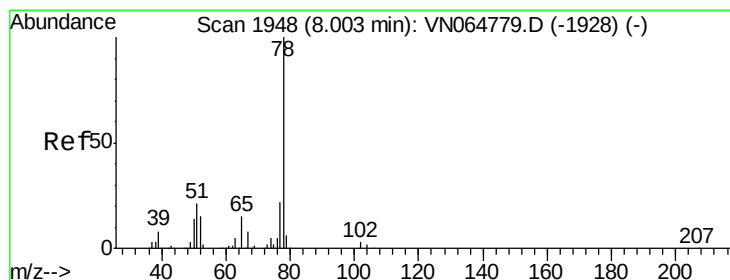
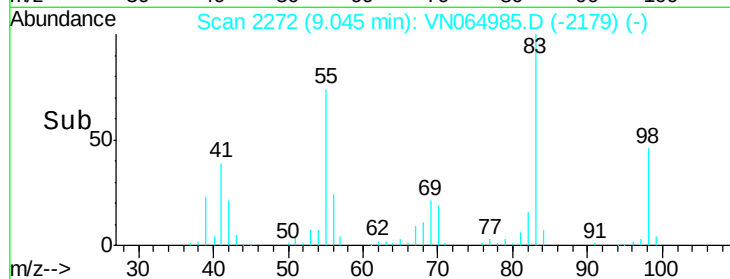
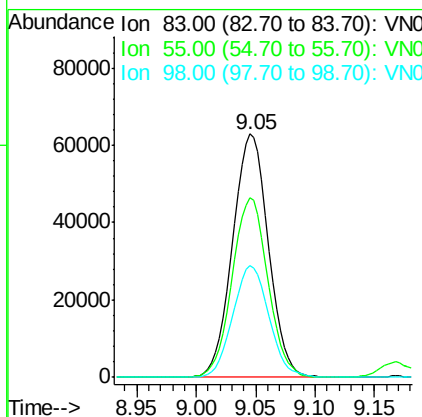
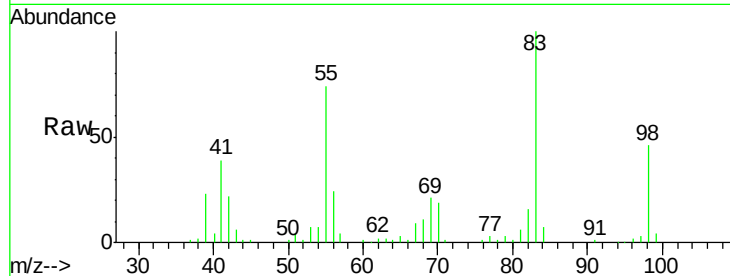
#39
Methylvlcyclohexane
Concen: 43.343 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.5	60.2	90.2	
98	45.9	37.4	56.2	

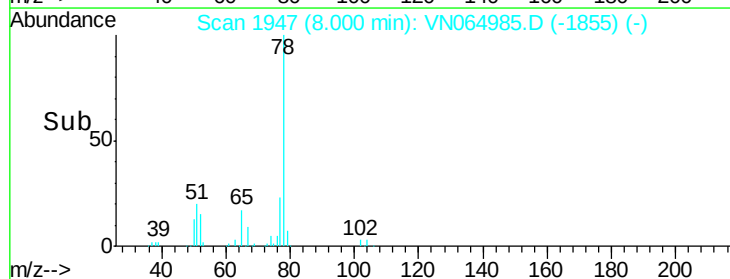
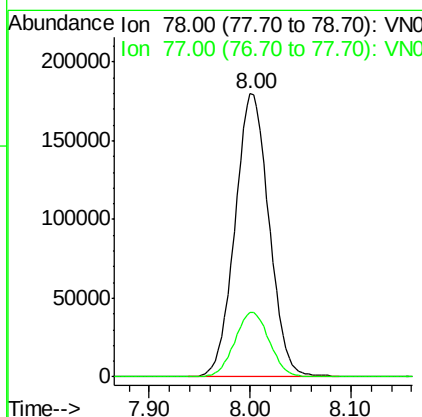
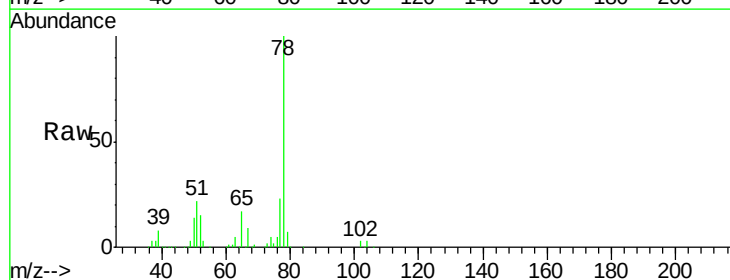
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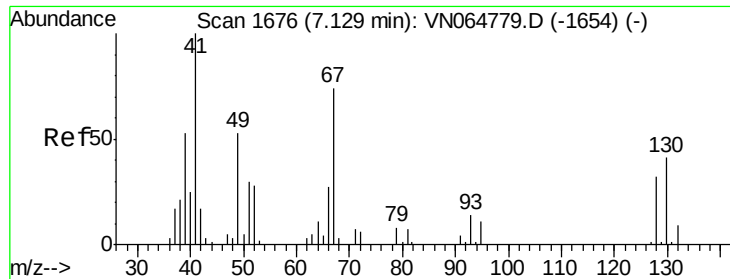
MMDadoda
12/10/2020 9:55:51 AM



#40
Benzene
Concen: 48.877 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.8	17.9	26.9	





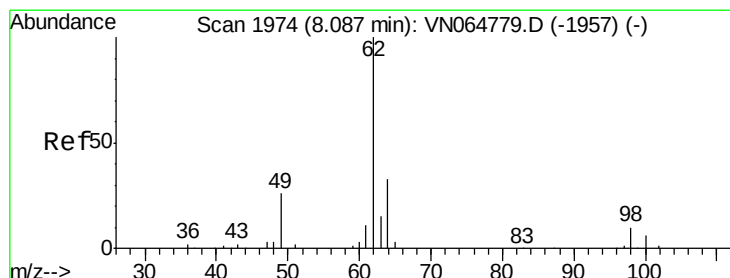
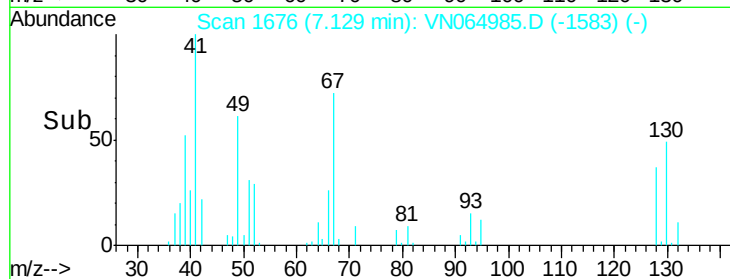
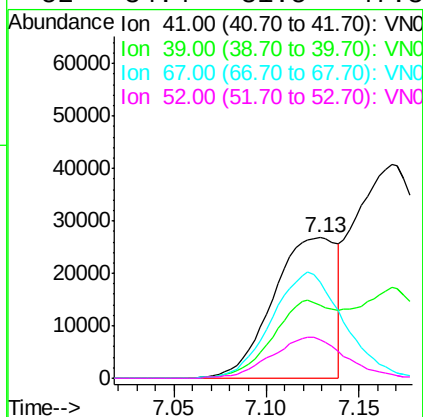
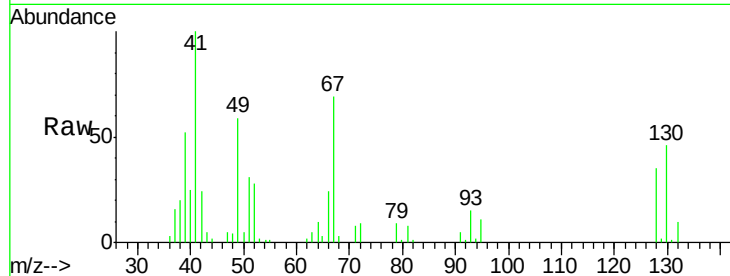
#41
Methacrylonitrile
Concen: 51.029 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	63822
Ion	Ratio	Lower	Upper
41	100		
39	53.1	51.0	76.6
67	86.5	79.8	119.8
52	34.4	31.5	47.3

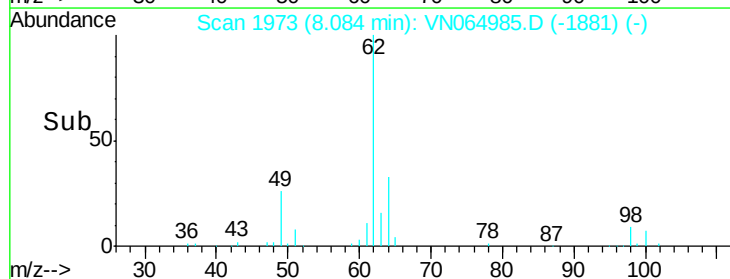
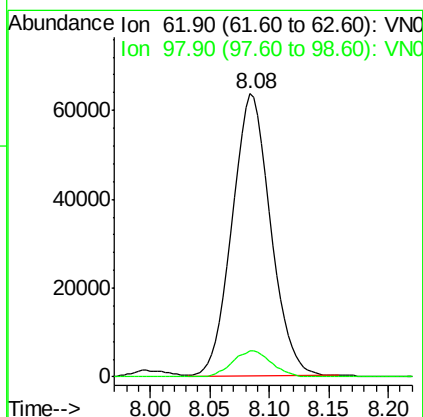
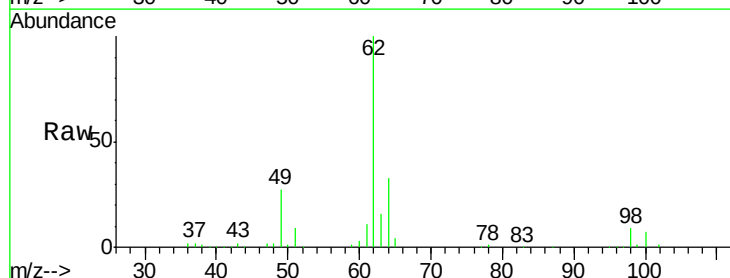
Manual Integrations
APPROVED

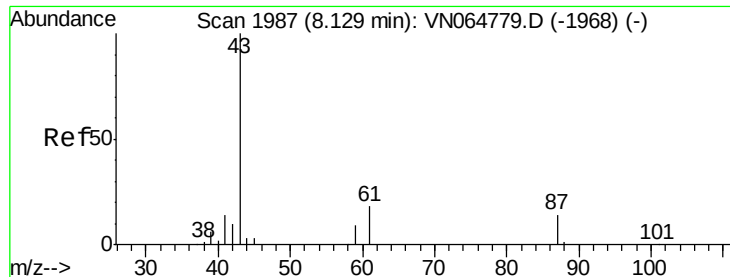
MMDadoda
12/10/2020 9:55:51 AM



#42
1,2-Dichloroethane
Concen: 49.006 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	62	Resp	142550
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.6





#43

Isopropyl Acetate

Concen: 48.728 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

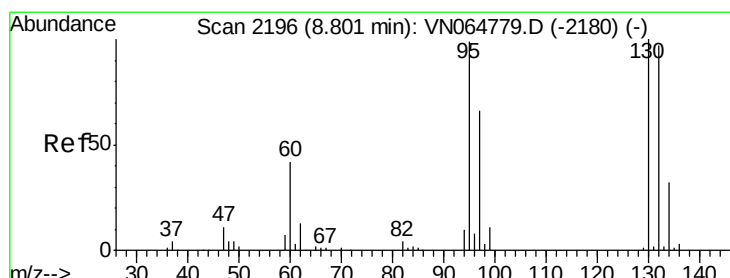
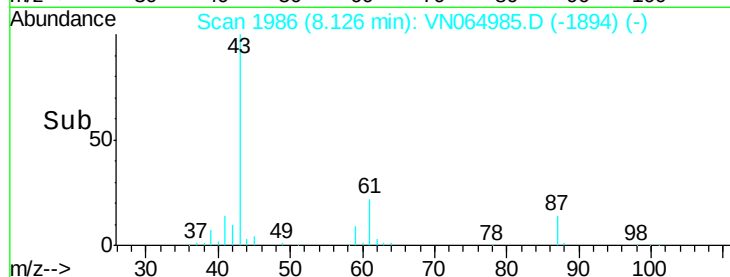
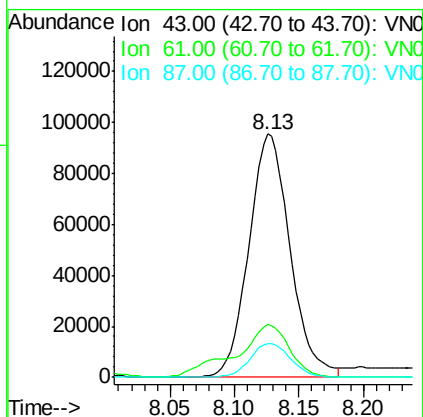
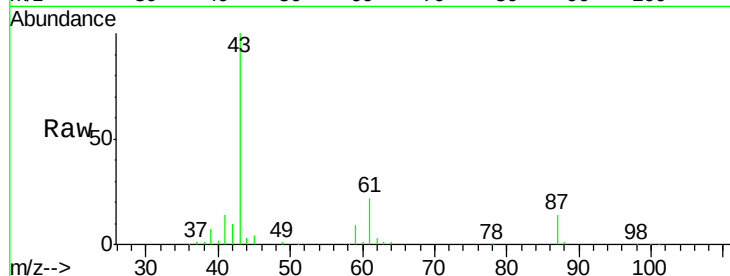
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	212533
Ion	Ratio	Lower	Upper
43	100		
61	27.7	17.2	25.8#
87	13.8	11.4	17.0

Manual Integrations
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MMDadoda
12/10/2020 9:55:51 AM



#44

Trichloroethene

Concen: 46.287 ug/l

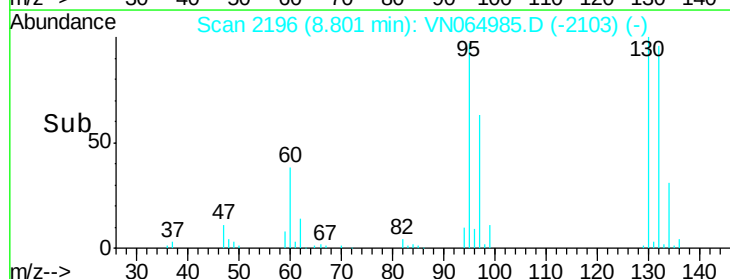
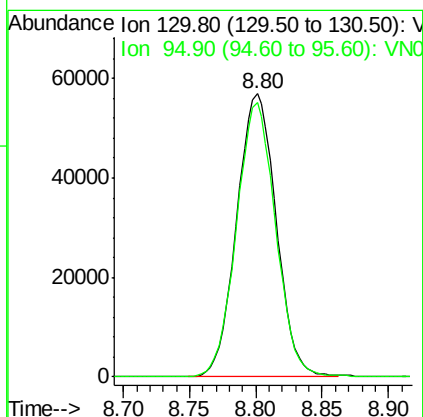
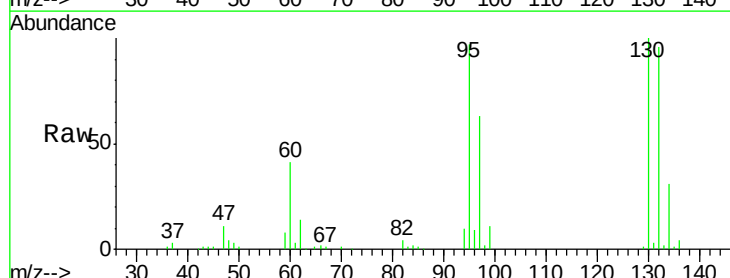
RT: 8.80 min Scan# 2196

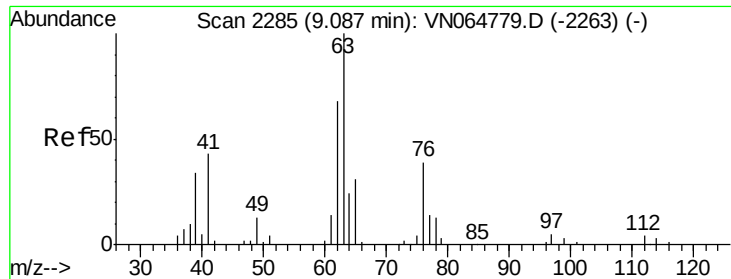
Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	130	Resp:	117763
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	197.8





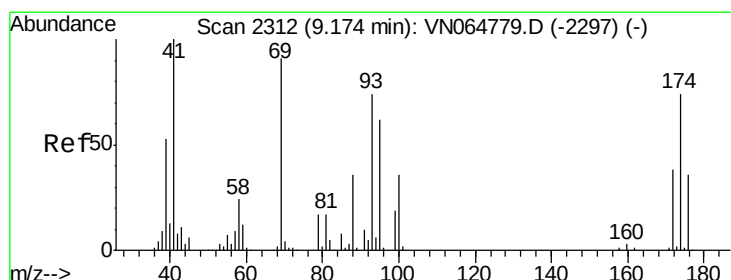
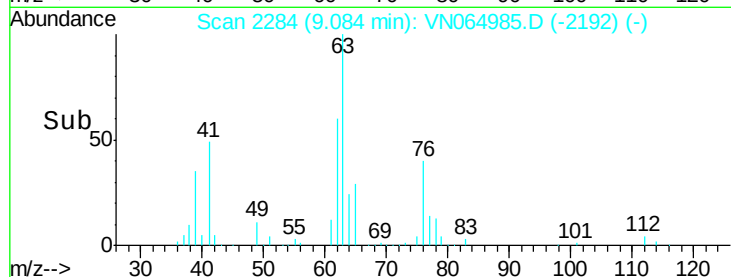
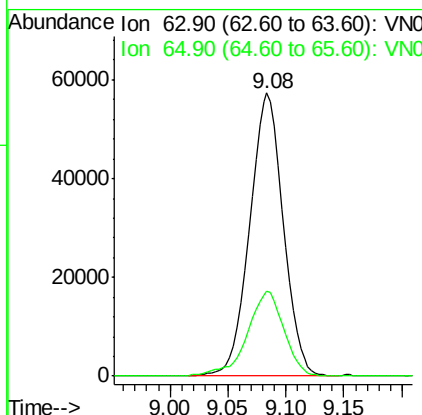
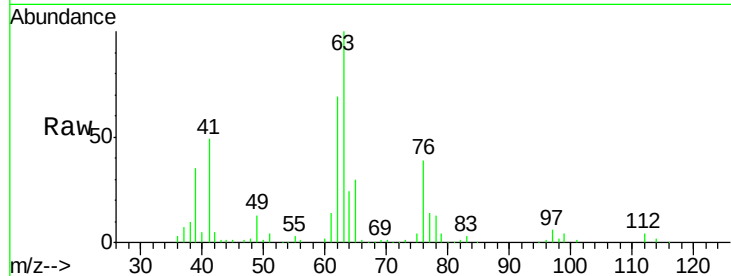
#45
 1,2-Dichloropropane
 Concen: 51.911 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 115919
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.4

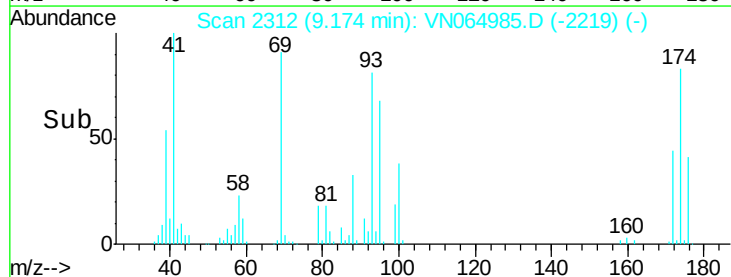
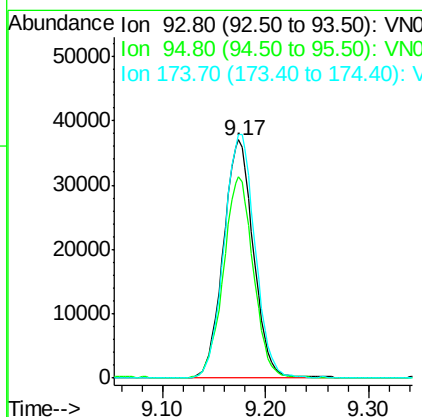
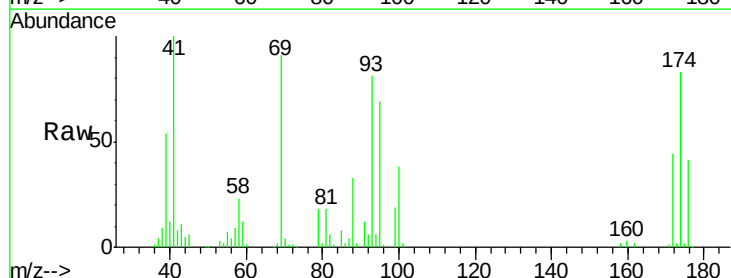
Manual Integrations
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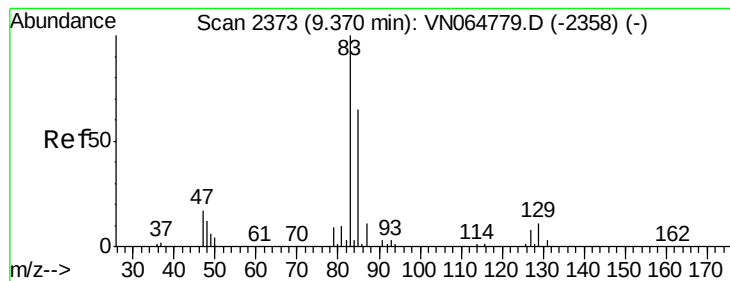
MMDadoda
 12/10/2020 9:55:51 AM



#46
 Dibromomethane
 Concen: 50.543 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion: 93 Resp: 75400
 Ion Ratio Lower Upper
 93 100
 95 83.8 68.8 103.2
 174 104.6 83.1 124.7





#47

Bromodichloromethane

Concen: 50.981 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 153030

Ion Ratio Lower Upper

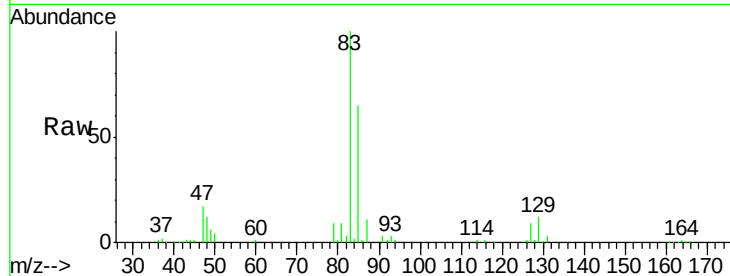
83 100

85 64.7 51.8 77.8

127 8.8 6.8 10.2

Manual Integrations
APPROVED

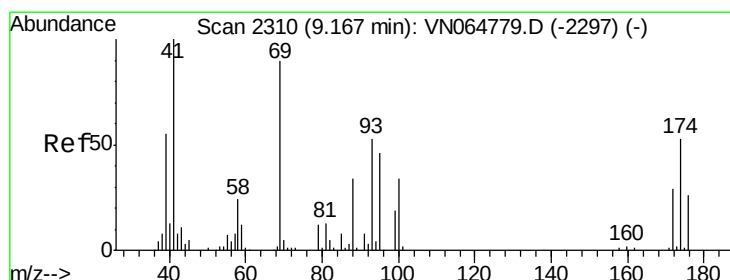
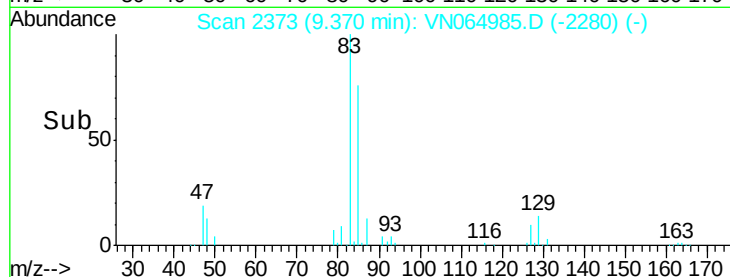
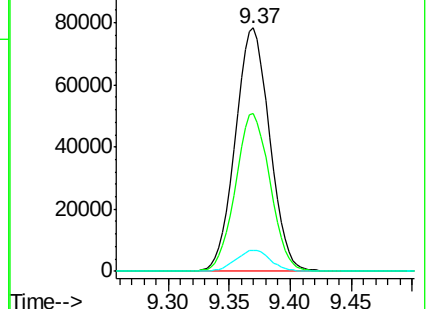
MMDadoda
12/10/2020 9:55:51 AM



Abundance Ion 82.90 (82.60 to 83.60): VN064985.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064985.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064985.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.269 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

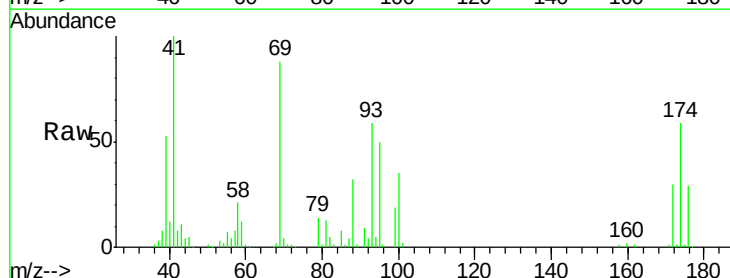
Tgt Ion: 41 Resp: 104766

Ion Ratio Lower Upper

41 100

69 89.7 71.8 107.8

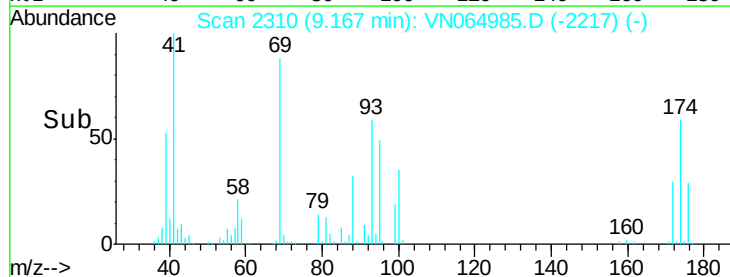
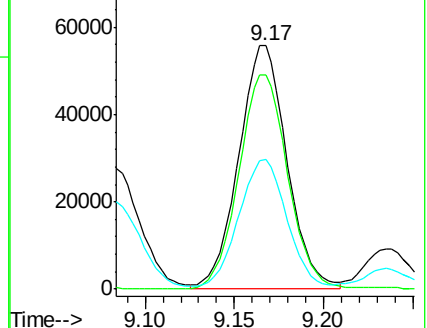
39 54.1 44.1 66.1

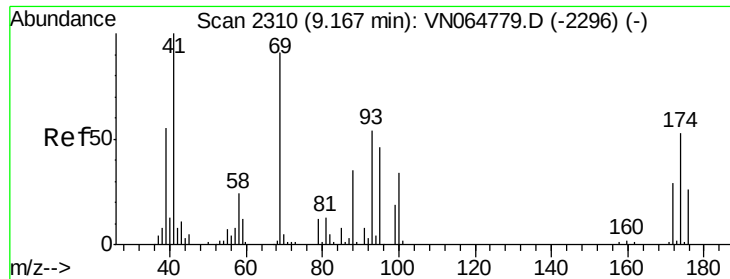


Abundance Ion 41.00 (40.70 to 41.70): VN064985.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064985.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064985.D (-2217) (-)





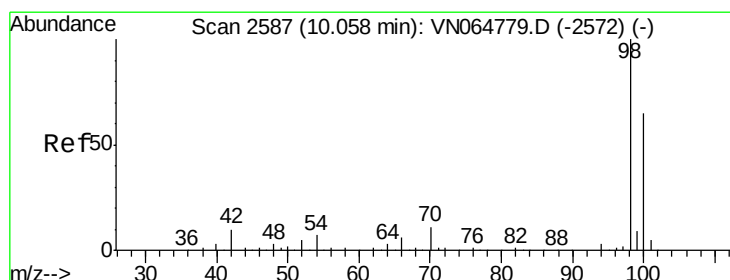
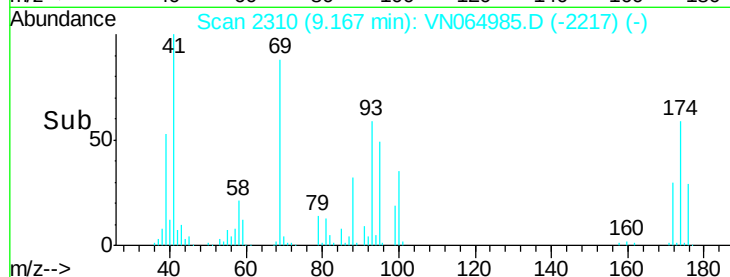
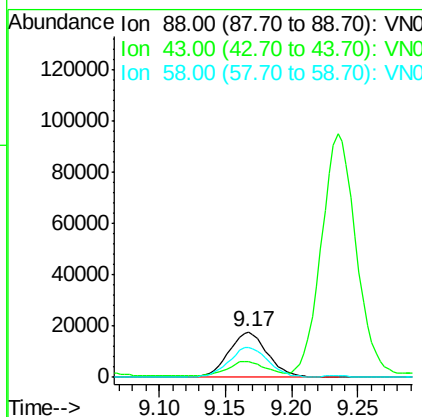
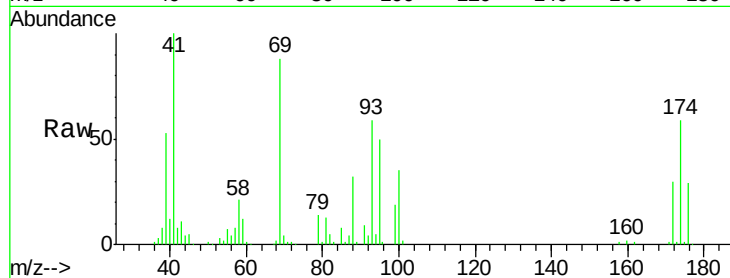
#49
1,4-Dioxane
Concen: 909.865 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	35840
Ion	Ratio	Lower	Upper
88	100		
43	31.9	24.2	36.4
58	67.8	52.5	78.7

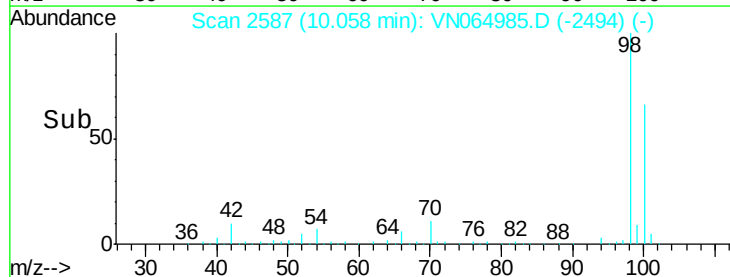
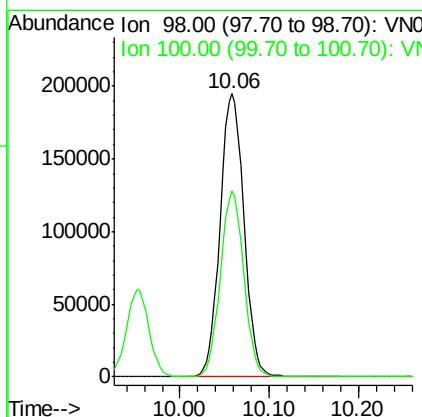
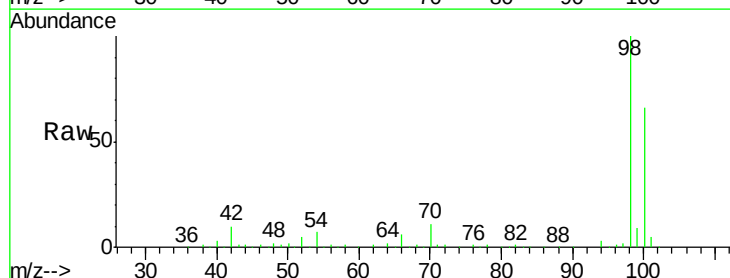
Manual Integrations
APPROVED

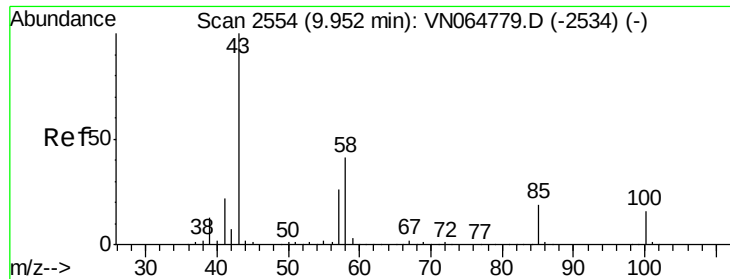
MMDadoda
12/10/2020 9:55:51 AM



#50
Toluene-d8
Concen: 48.651 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	98	Resp	361100
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 246.144 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 644521

Ion Ratio Lower Upper

43 100

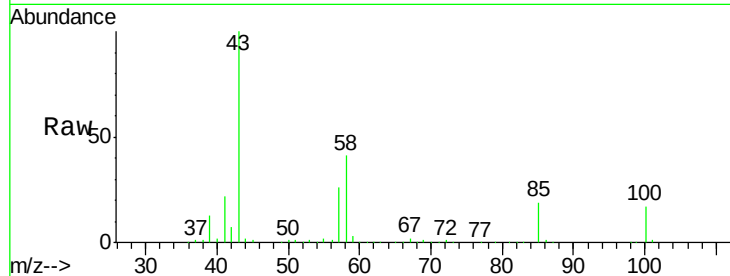
58 40.8 32.4 48.6

Manual Integrations

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MMDadoda

12/10/2020 9:55:51 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

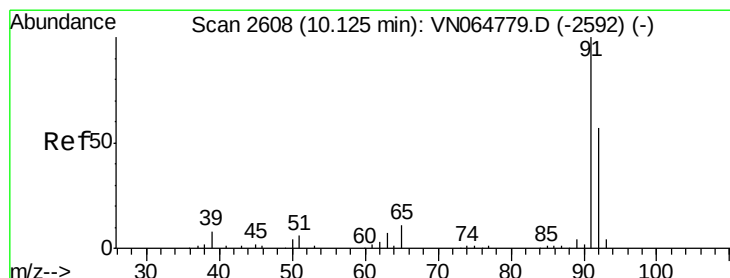
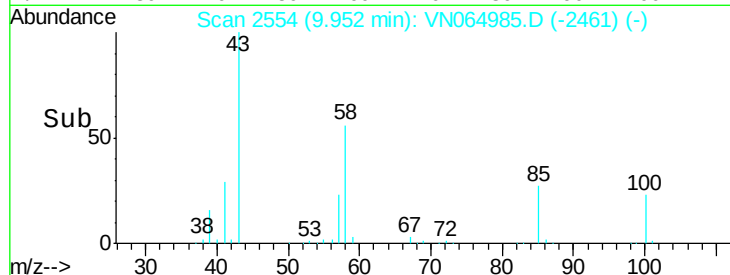
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.850 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064985.D

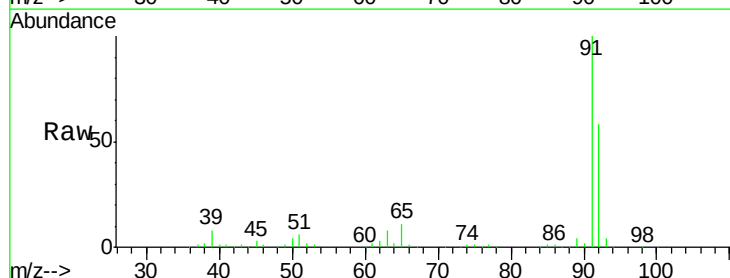
Acq: 8 Dec 2020 21:50

Tgt Ion: 92 Resp: 270028

Ion Ratio Lower Upper

92 100

91 172.2 139.1 208.7



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

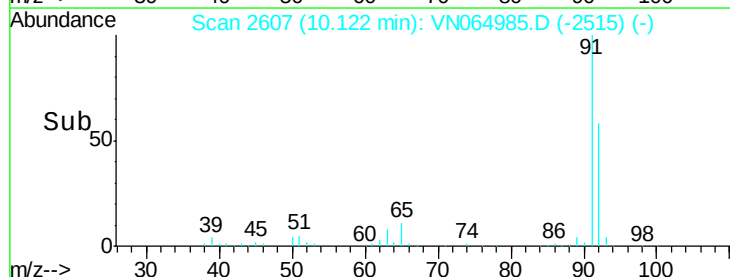
150000

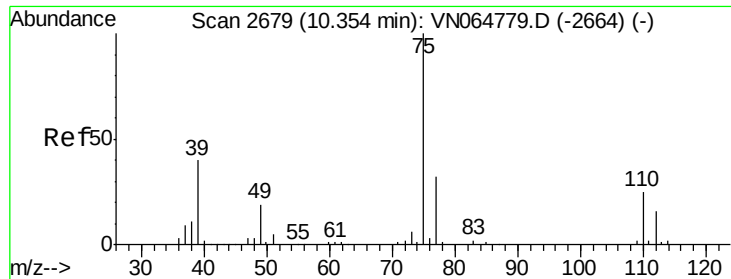
100000

50000

0

Time-->





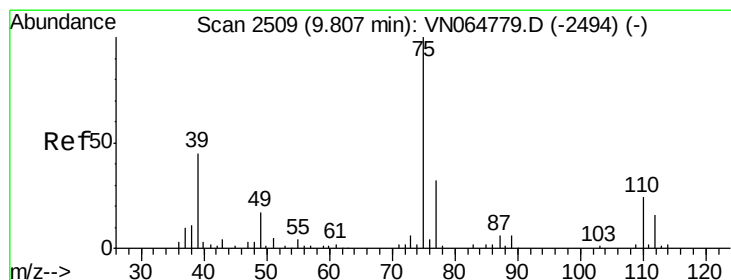
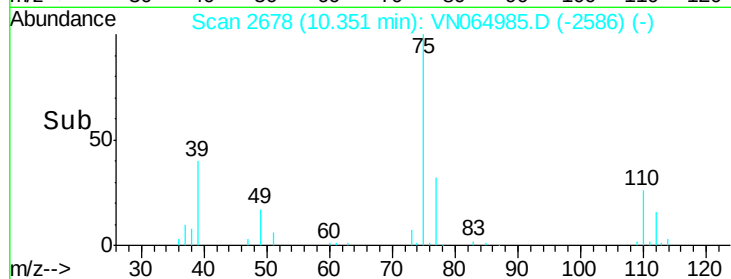
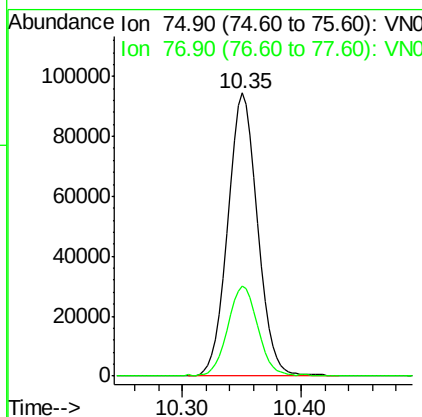
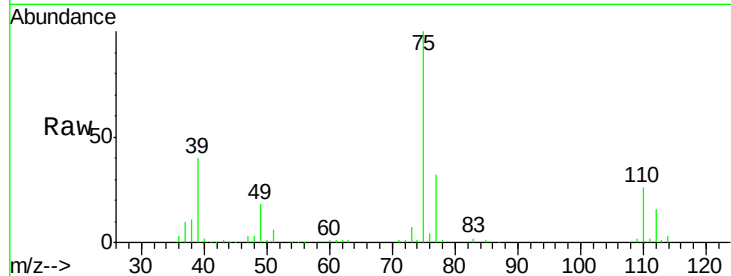
#53
t-1,3-Dichloropropene
Concen: 49.029 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 163918
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6

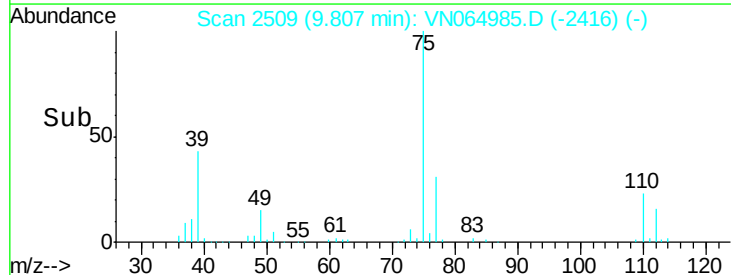
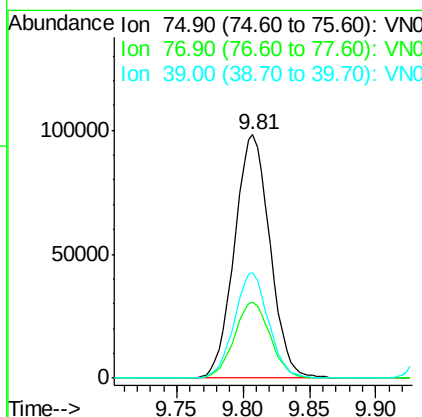
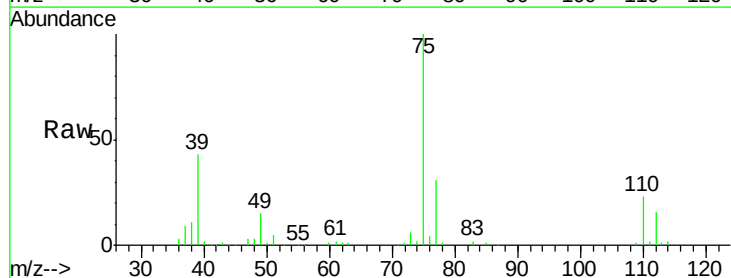
Manual Integrations
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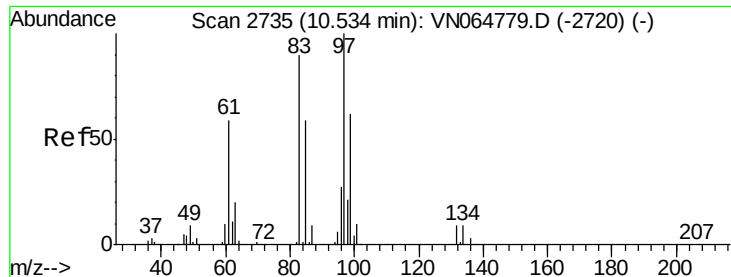
MMDadoda
12/10/2020 9:55:51 AM



#54
cis-1,3-Dichloropropene
Concen: 50.991 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion: 75 Resp: 182731
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3
39 43.2 35.6 53.4





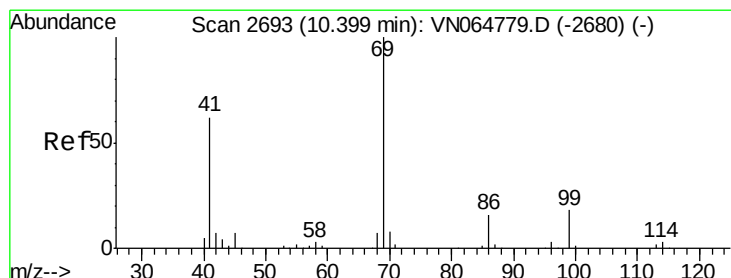
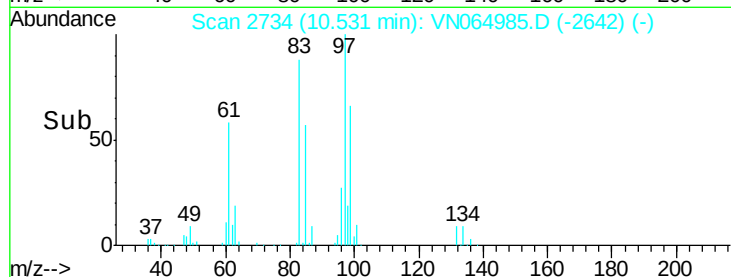
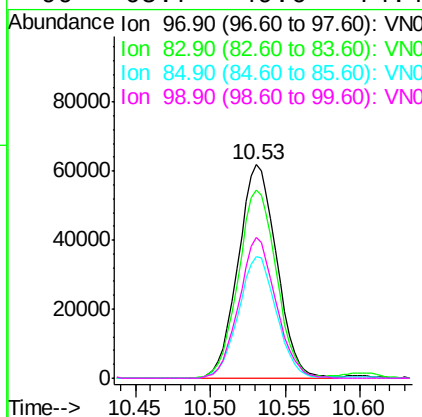
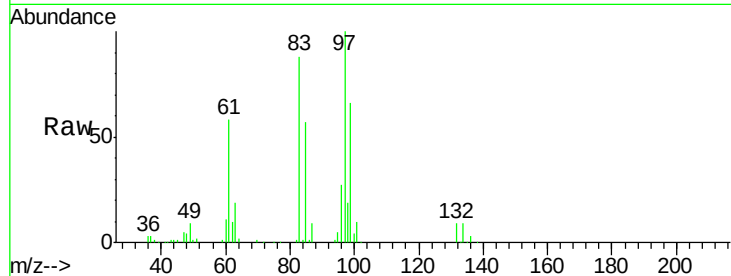
#55
 1,1,2-Trichloroethane
 Concen: 50.828 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	110990
Ion	Ratio	Lower	Upper
97	100		
83	88.2	72.1	108.1
85	56.7	46.8	70.2
99	65.7	49.6	74.4

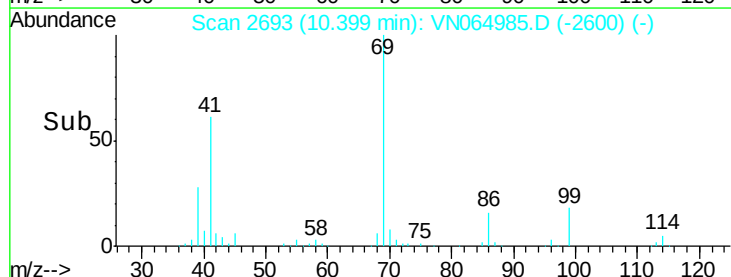
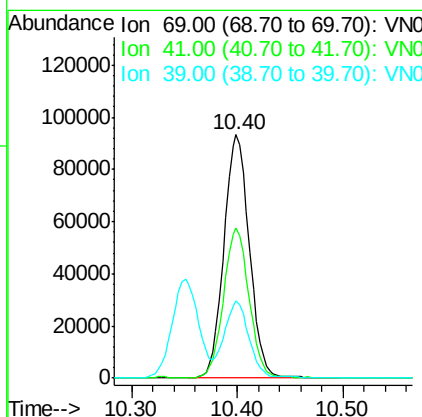
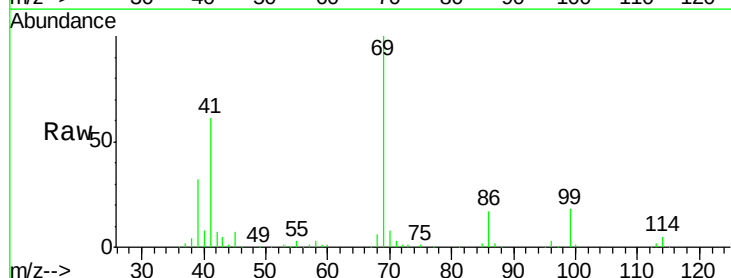
Manual Integrations
 APPROVED

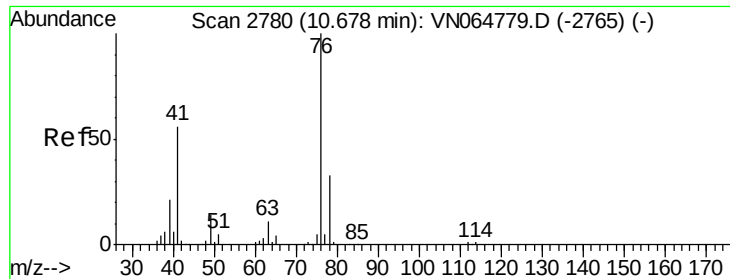
MMDadoda
 12/10/2020 9:55:51 AM



#56
 Ethyl methacrylate
 Concen: 51.608 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion:	69	Resp:	155513
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.4	74.0
39	30.0	25.9	38.9





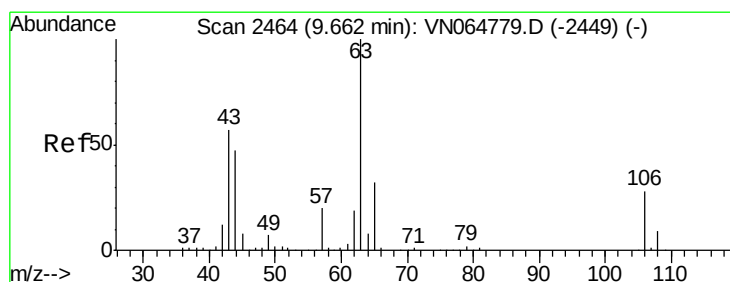
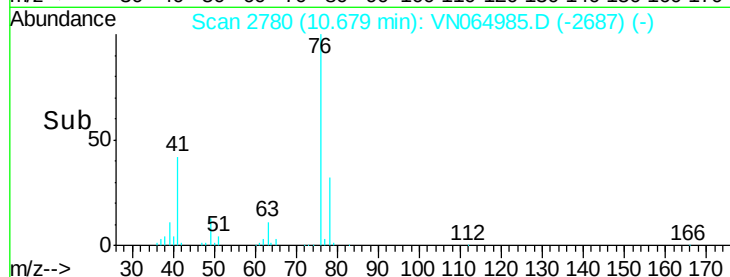
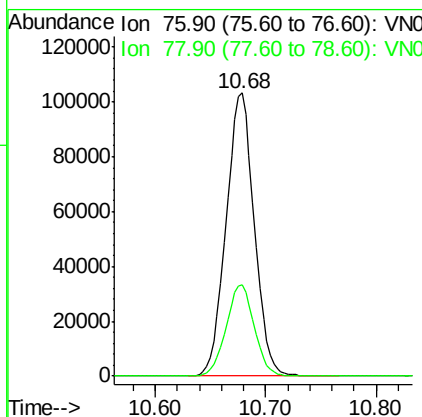
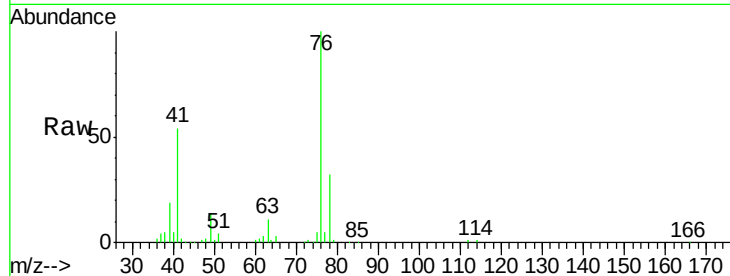
#57
 1,3-Dichloropropane
 Concen: 50.667 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

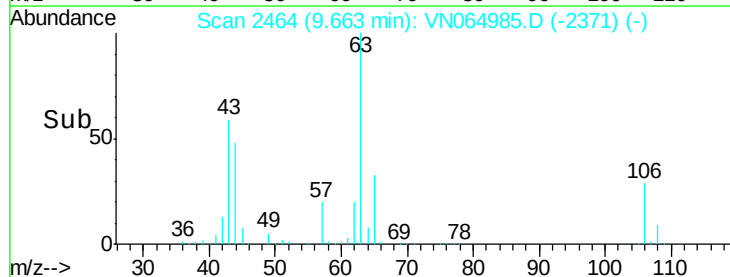
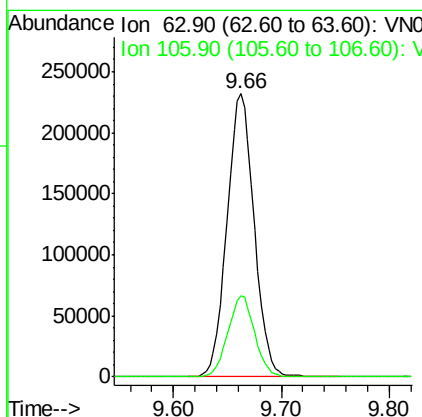
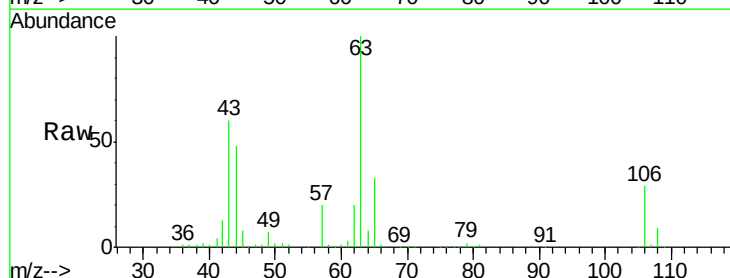
Manual Integrations
 APPROVED

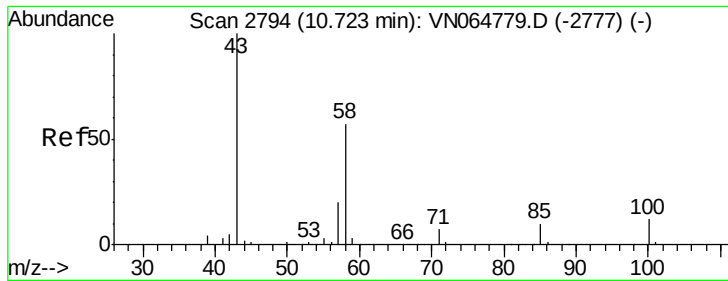
MMDadoda
 12/10/2020 9:55:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.783 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.7	34.1





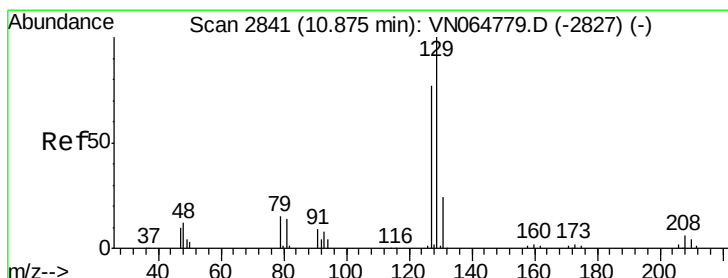
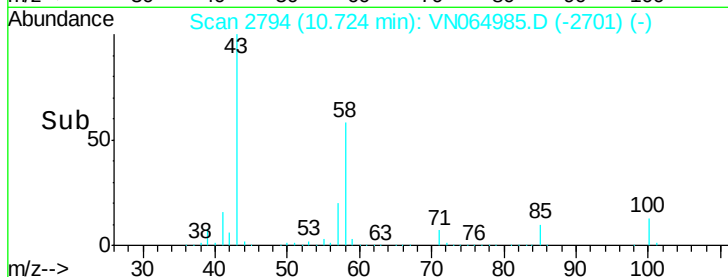
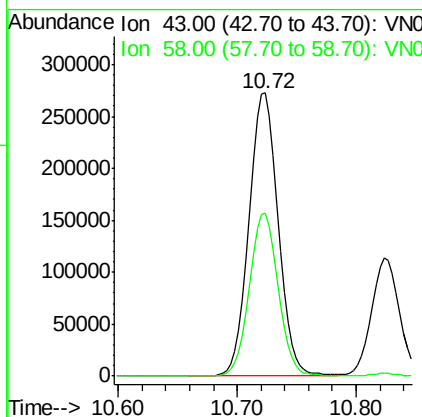
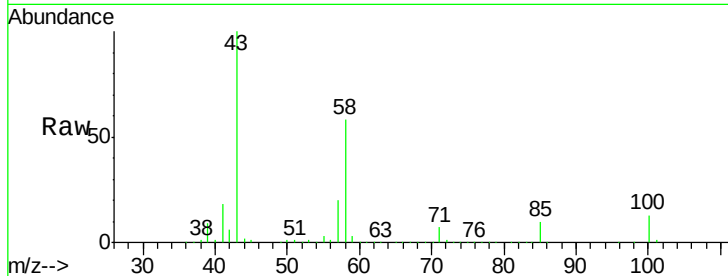
#59
2-Hexanone
Concen: 246.046 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 463667
Ion Ratio Lower Upper
43 100
58 56.9 28.3 84.9

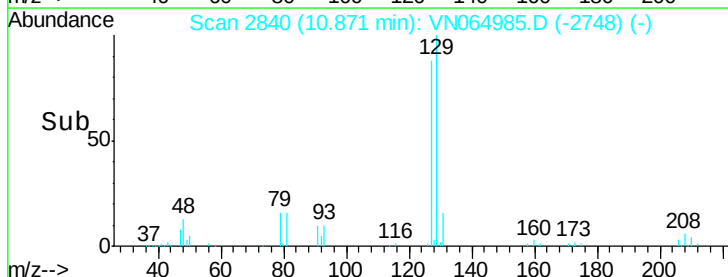
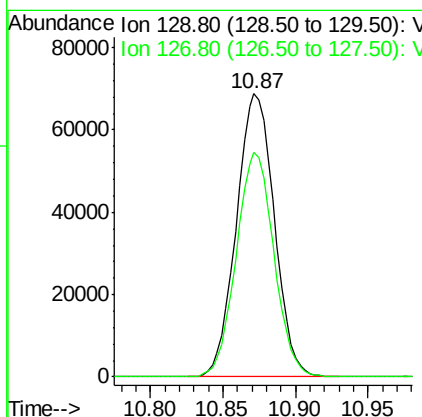
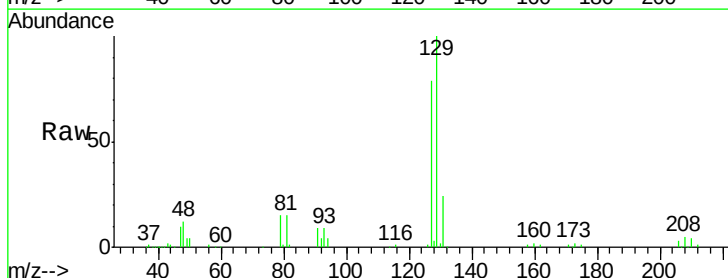
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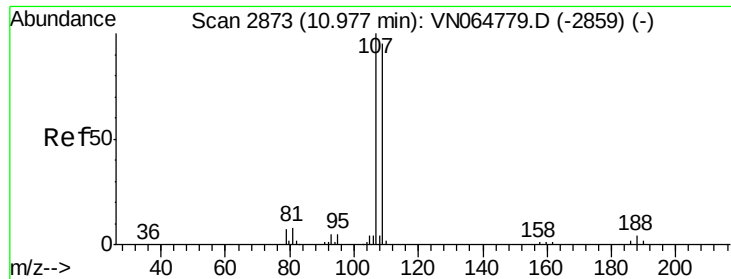
MMDadoda
12/10/2020 9:55:51 AM



#60
Dibromochloromethane
Concen: 51.583 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion: 129 Resp: 125207
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





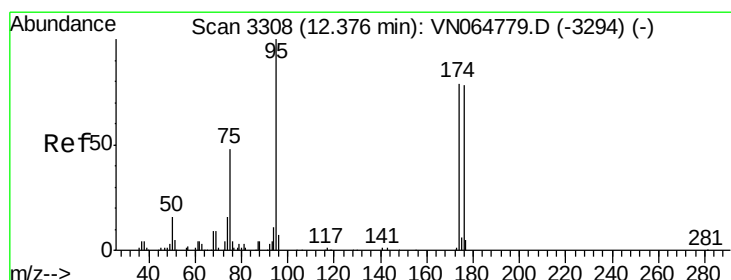
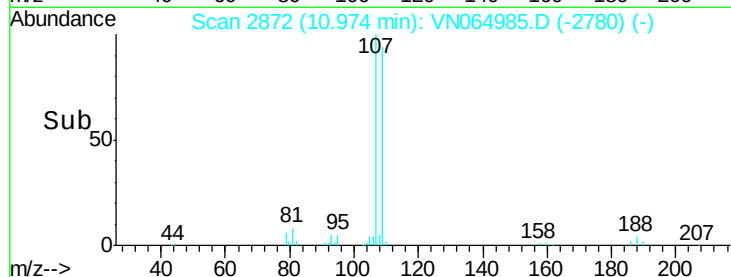
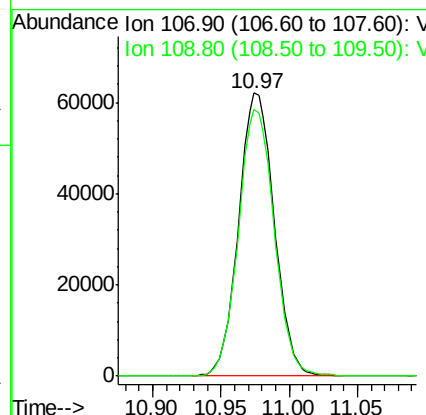
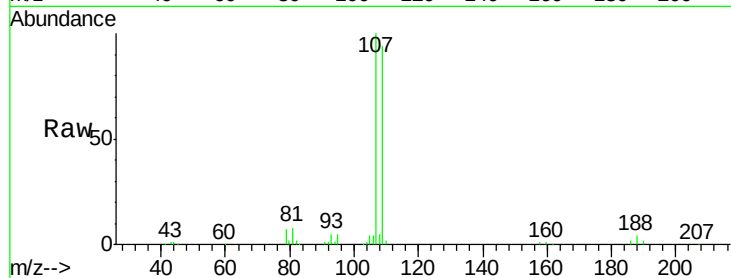
#61
 1,2-Dibromoethane
 Concen: 50.744 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	112577		
109	94.8	76.0	114.0	

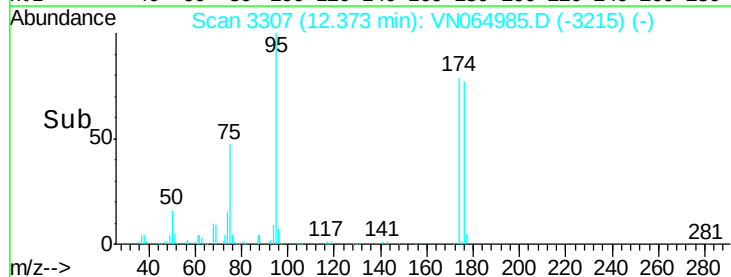
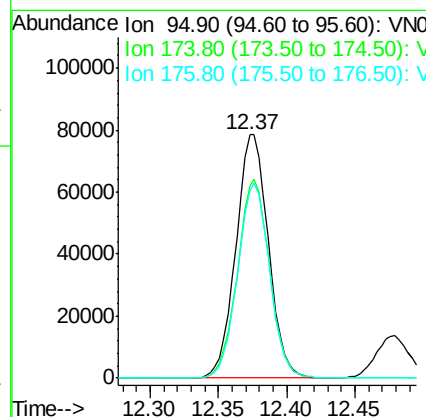
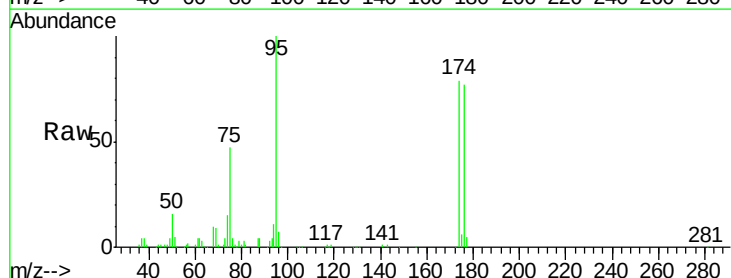
Manual Integrations
 APPROVED

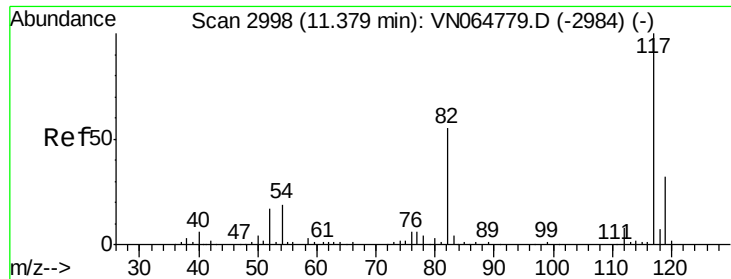
MMDadoda
 12/10/2020 9:55:51 AM



#62
 4-Bromofluorobenzene
 Concen: 48.843 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	129741		
174	80.8	0.0	160.4	
176	78.8	0.0	158.4	





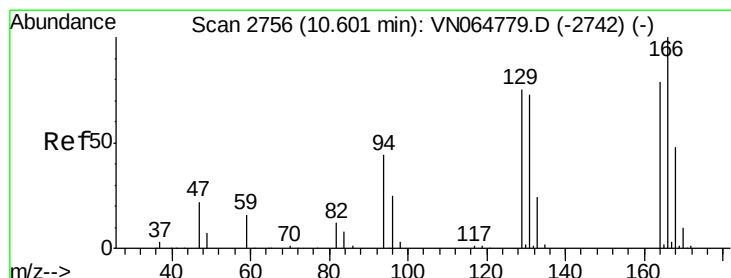
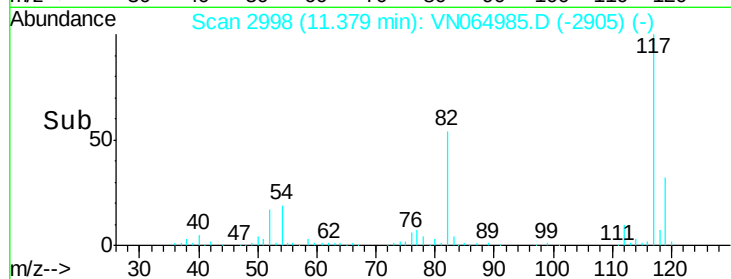
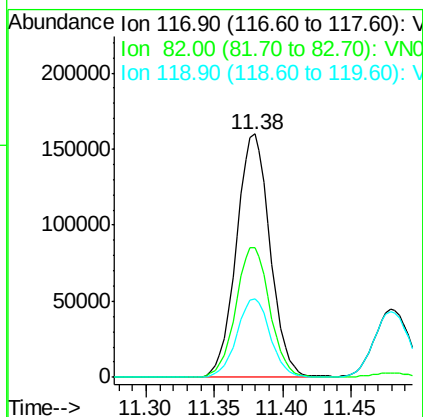
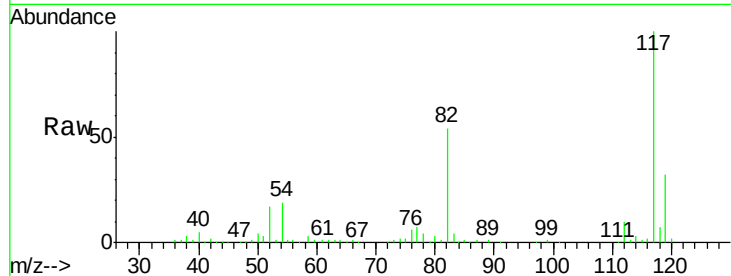
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	32.4	25.8	38.6

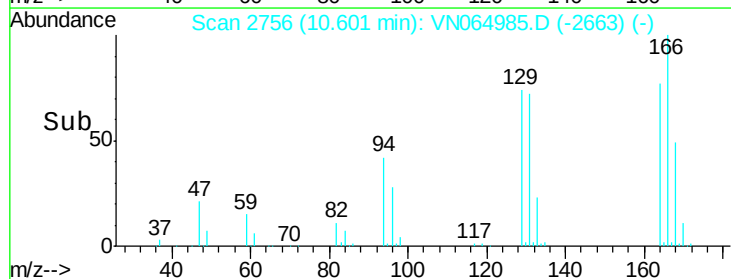
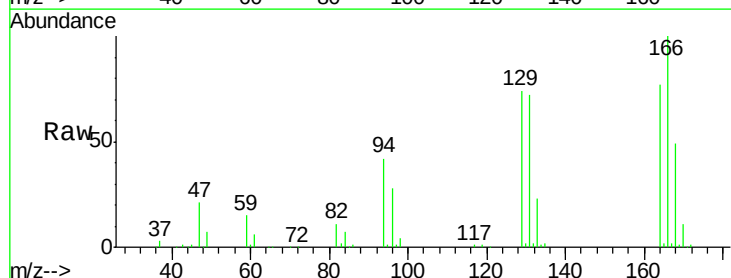
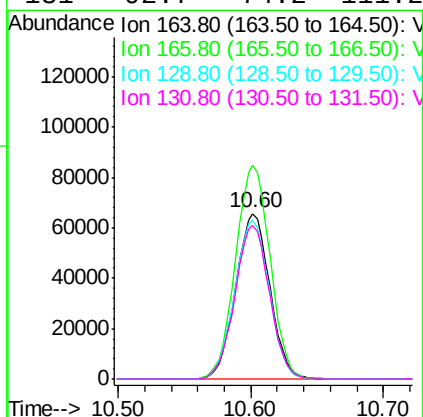
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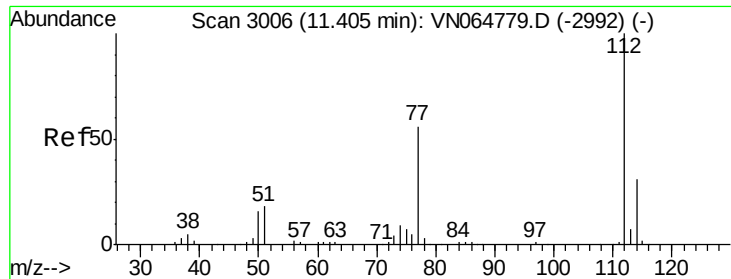
MMDadoda
12/10/2020 9:55:51 AM



#64
Tetrachloroethene
Concen: 44.137 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.4	152.0
129	95.8	76.1	114.1
131	92.7	74.2	111.2





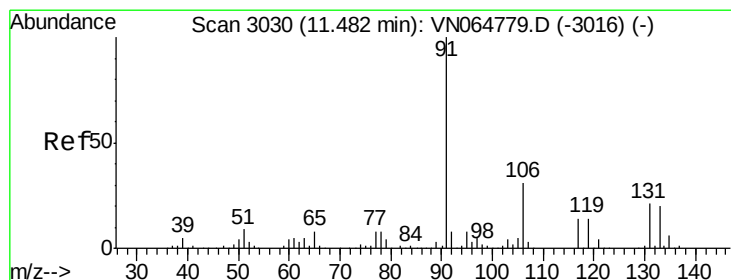
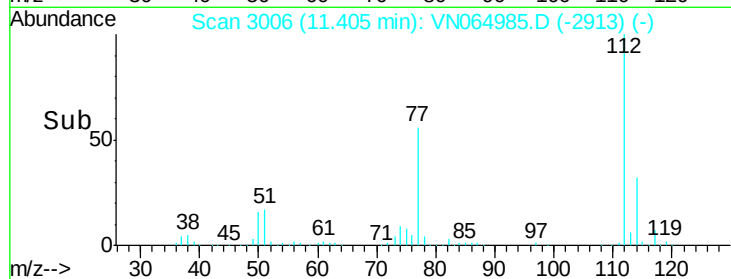
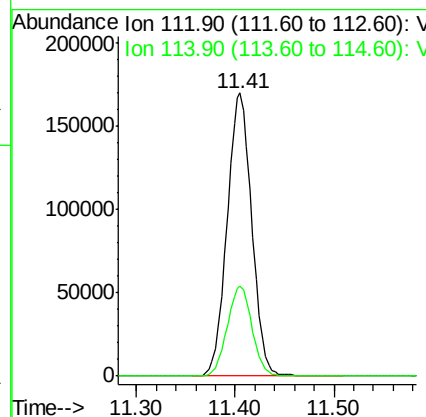
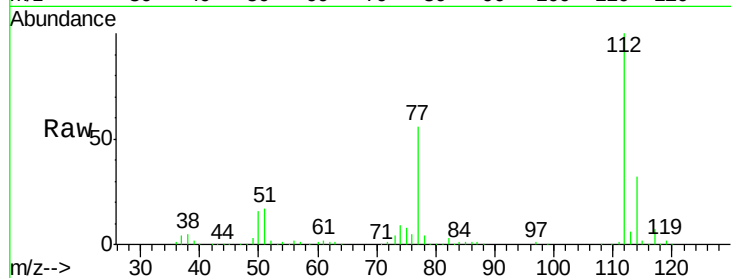
#65
Chlorobenzene
Concen: 50.416 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 297328
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7

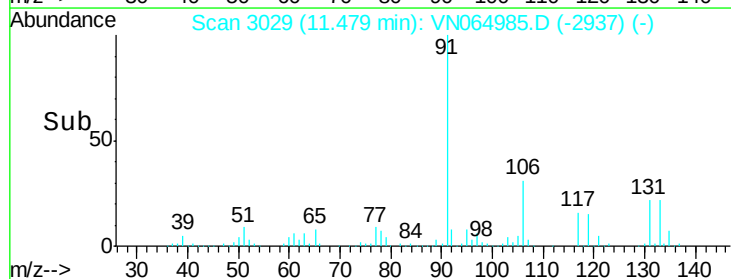
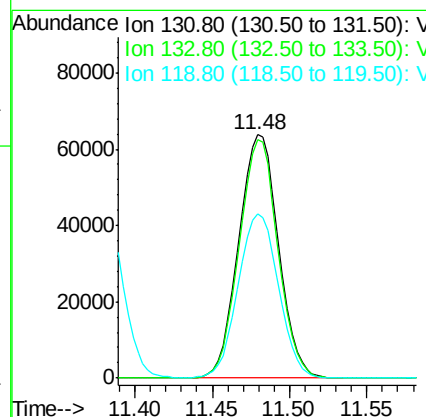
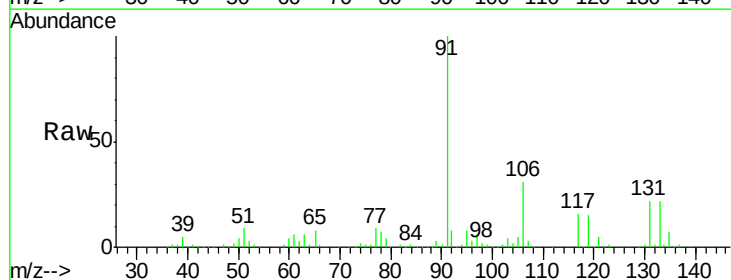
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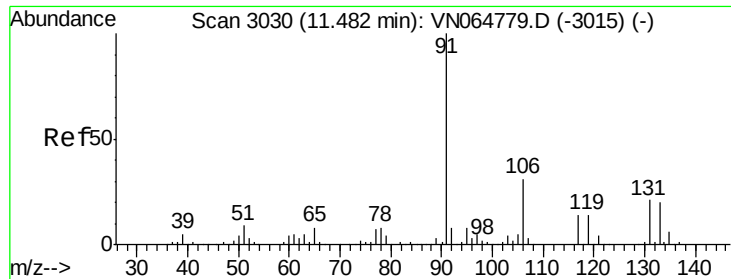
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.586 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion:131 Resp: 113974
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 68.6 33.3 99.8





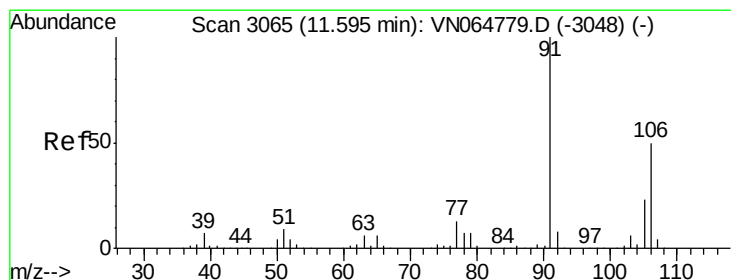
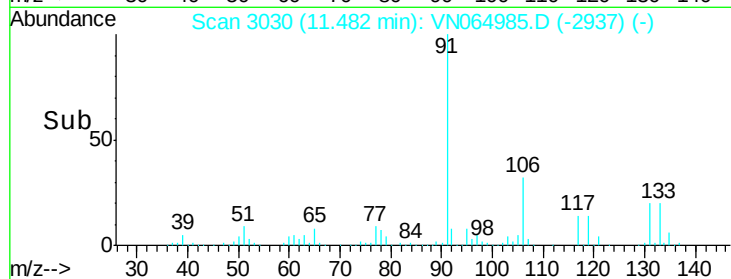
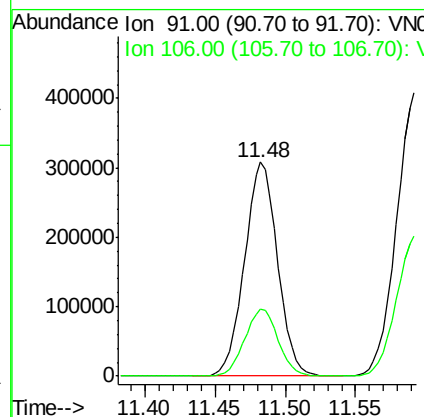
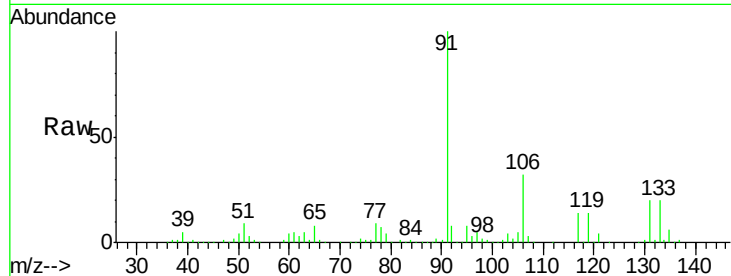
#67
Ethyl Benzene
Concen: 51.260 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 505024
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

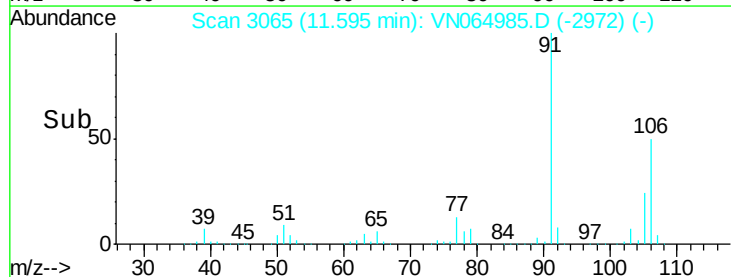
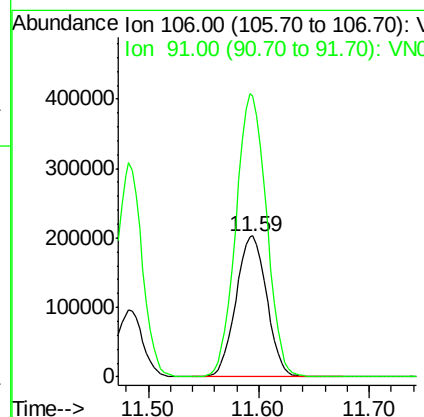
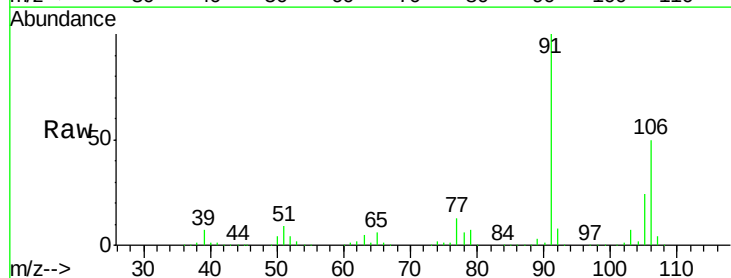
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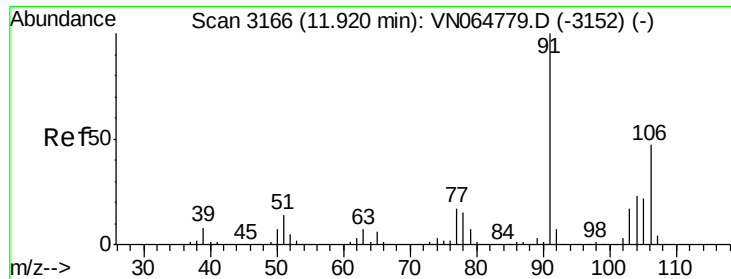
MMDadoda
12/10/2020 9:55:51 AM



#68
m/p-Xylenes
Concen: 105.245 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion: 106 Resp: 392579
Ion Ratio Lower Upper
106 100
91 199.7 161.0 241.4





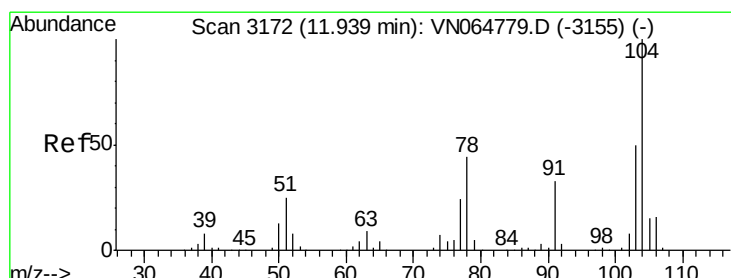
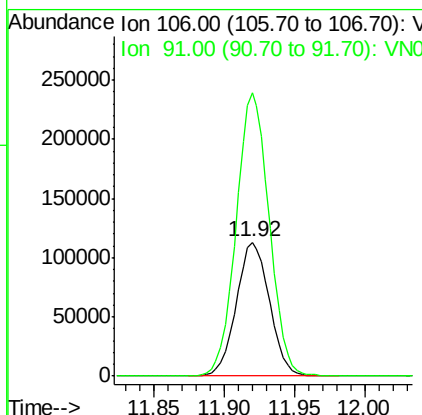
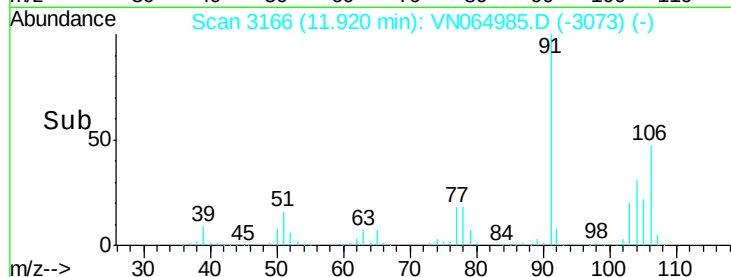
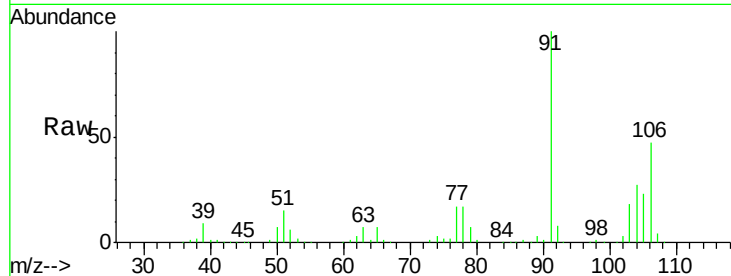
#69
o-Xylene
Concen: 52.761 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 186757
Ion Ratio Lower Upper
106 100
91 210.5 105.5 316.5

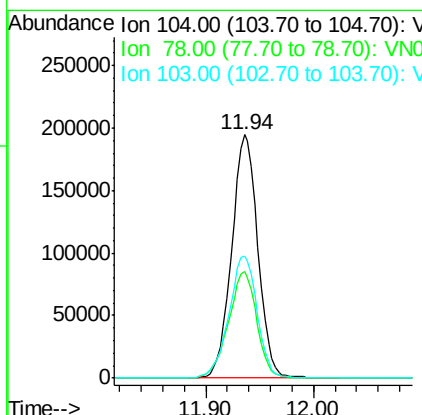
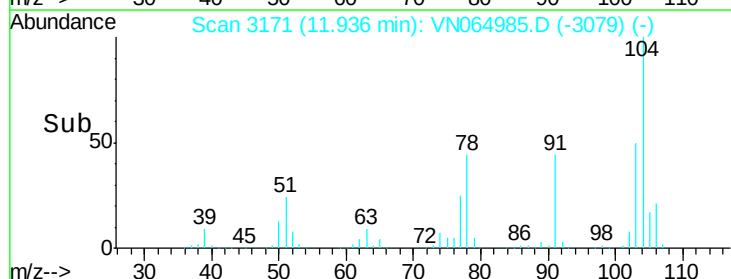
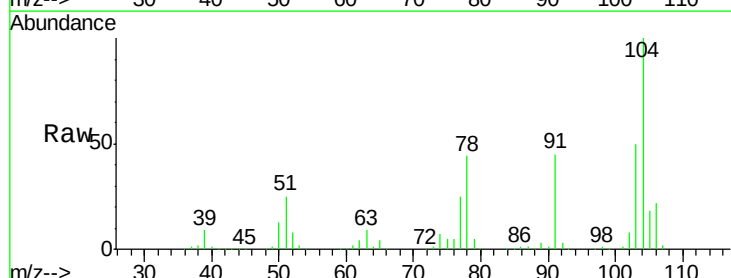
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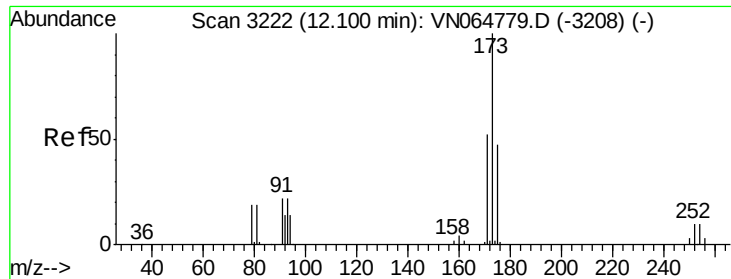
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#70
Styrene
Concen: 55.145 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion:104 Resp: 329525
Ion Ratio Lower Upper
104 100
78 47.2 39.0 58.6
103 54.1 44.3 66.5





#71

Bromoform

Concen: 51.027 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88332

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

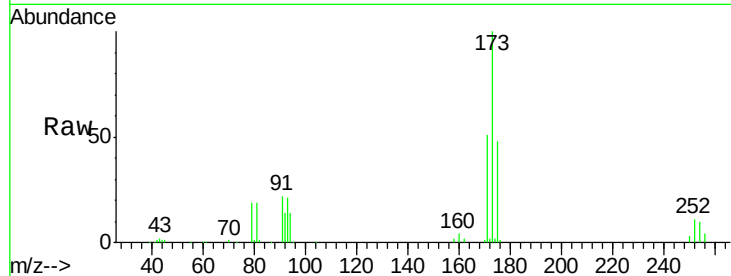
254 0.0 0.0 0.0

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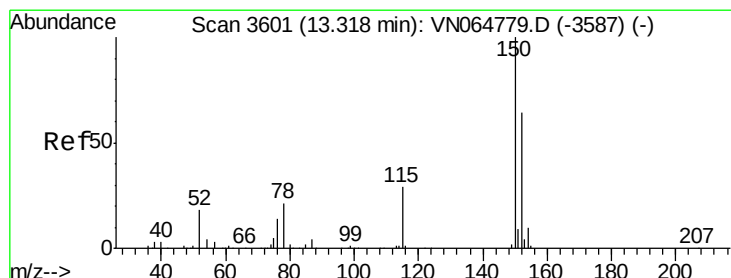
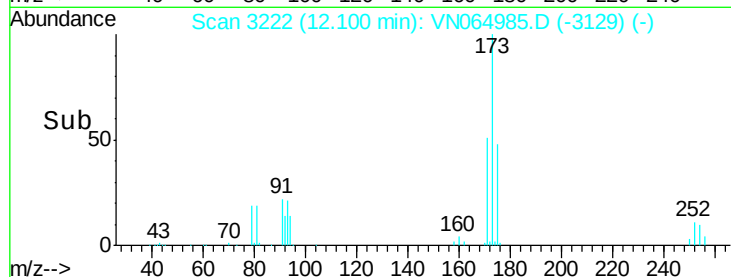
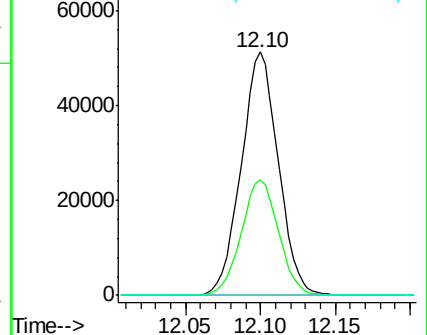
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

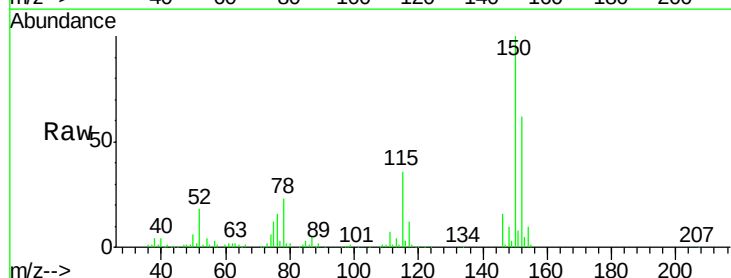
Tgt Ion:152 Resp: 135334

Ion Ratio Lower Upper

152 100

115 58.5 29.7 89.1

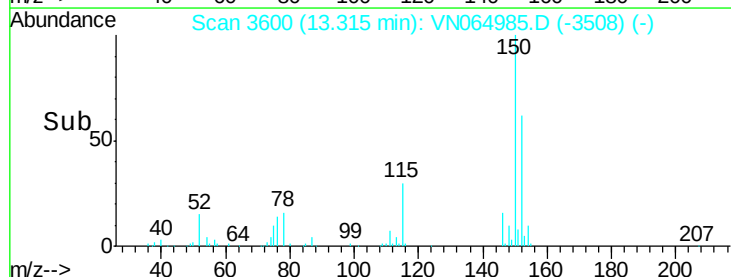
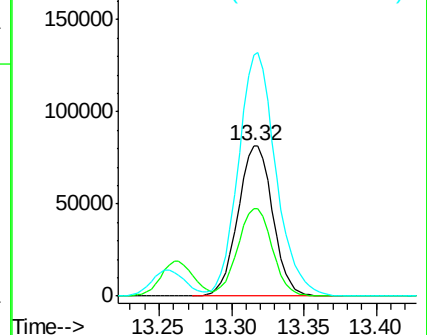
150 174.1 0.0 350.6

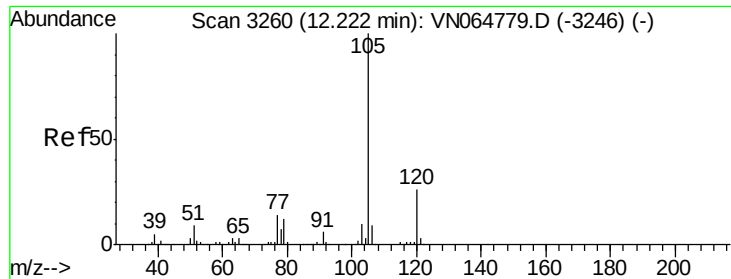


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.251 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 491857

Ion Ratio Lower Upper

105 100

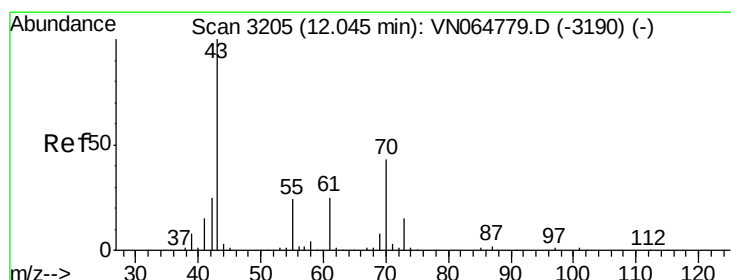
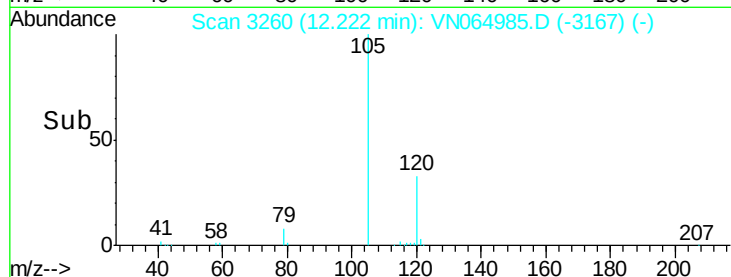
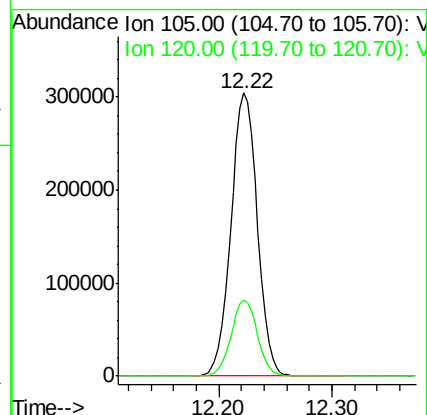
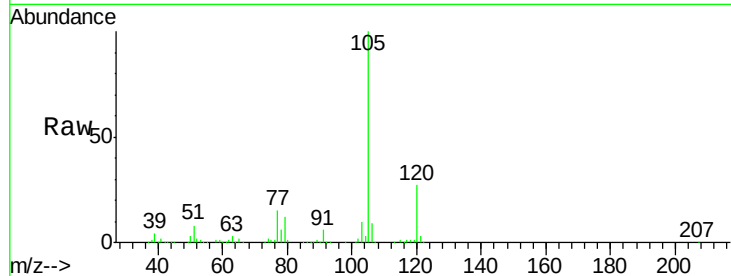
120 26.8 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.870 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion: 43 Resp: 184744

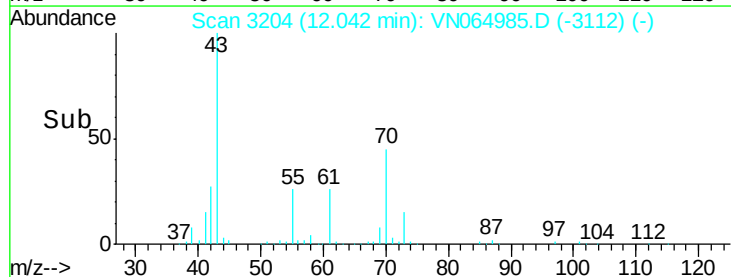
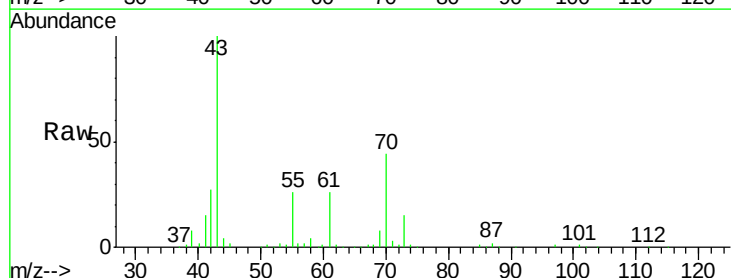
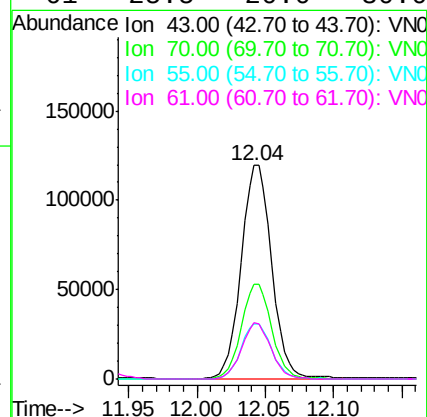
Ion Ratio Lower Upper

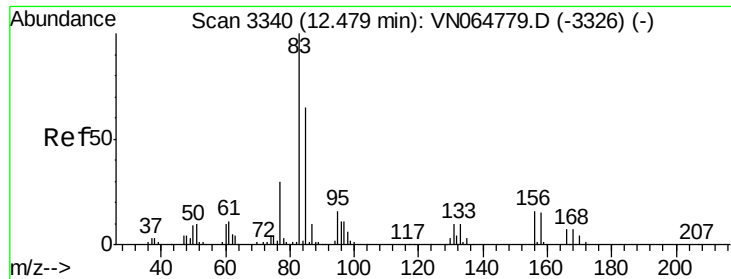
43 100

70 44.4 34.5 51.7

55 26.2 20.4 30.6

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.972 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

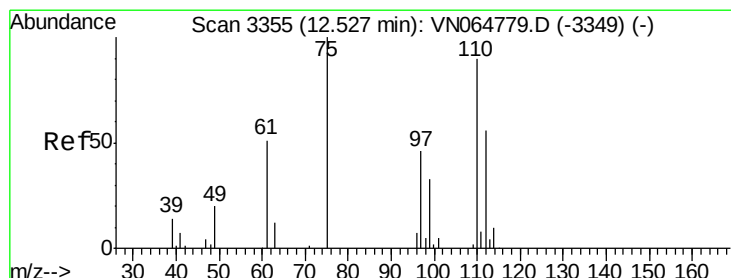
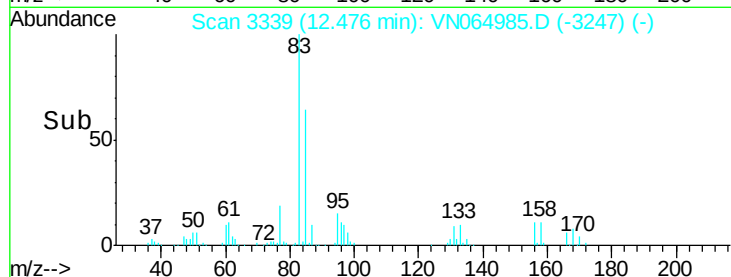
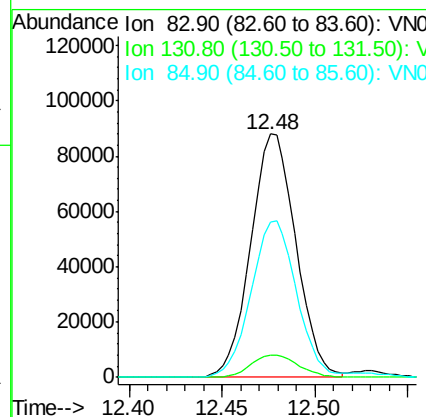
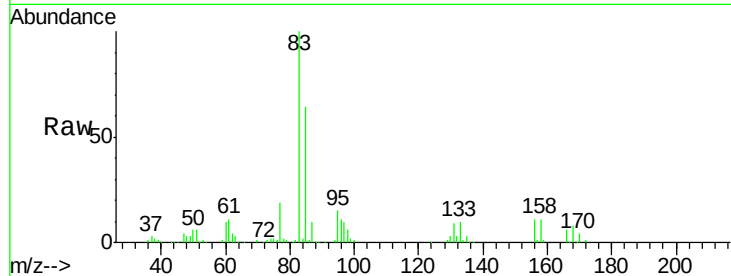
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	148915
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	64.6	33.0	99.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.435 ug/l m

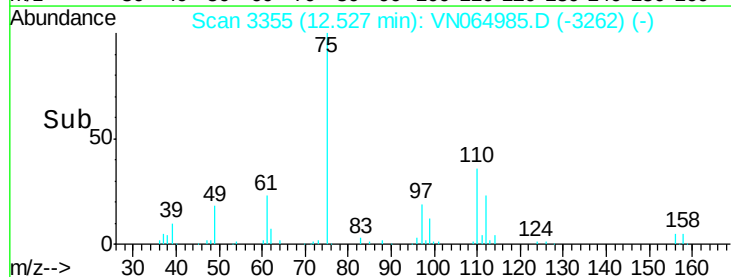
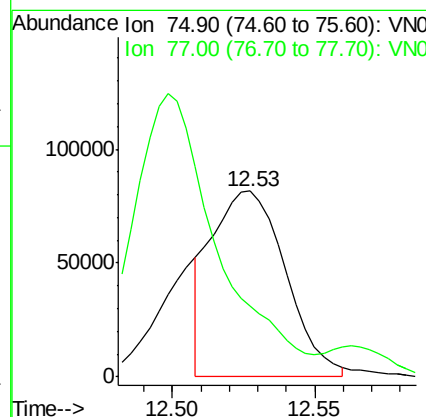
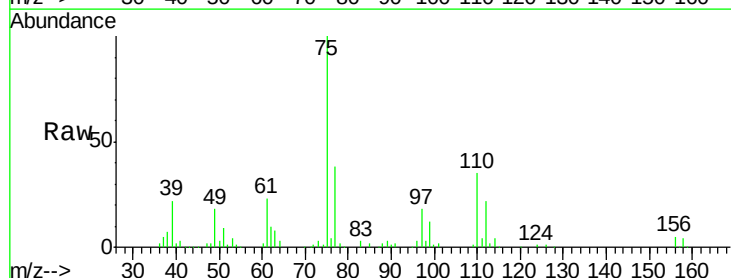
RT: 12.53 min Scan# 3355

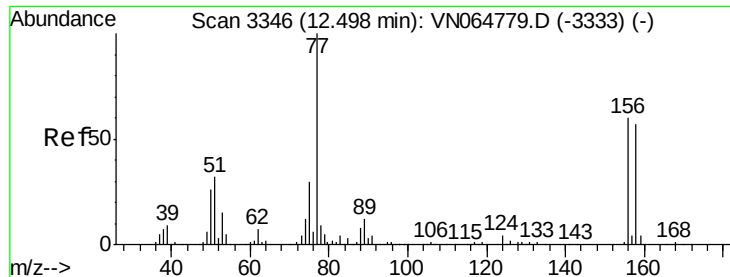
Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	75	Resp:	146993
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.384 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

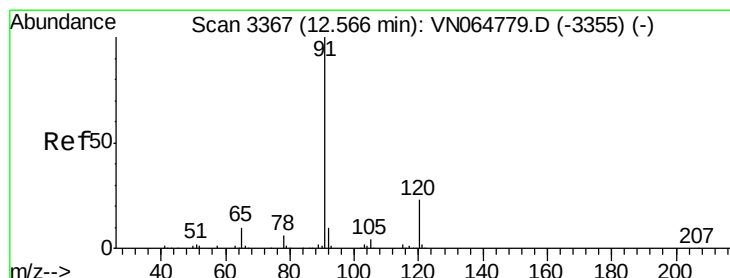
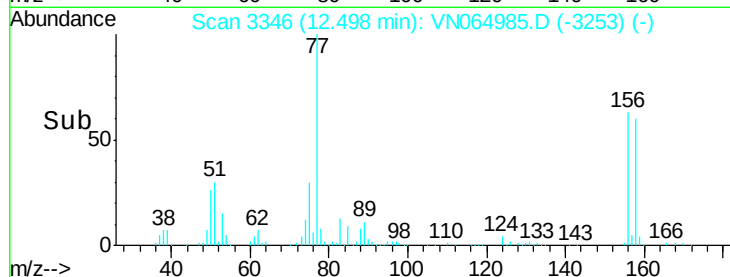
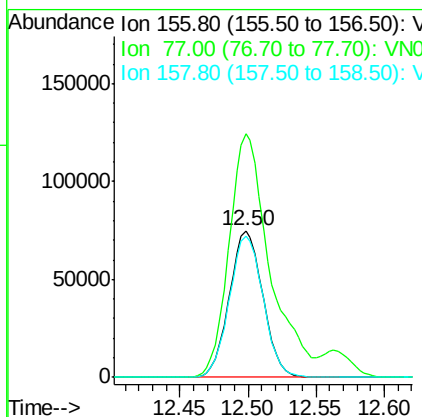
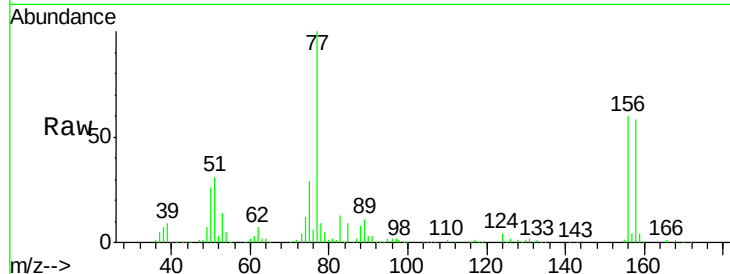
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	127868
Ion Ratio	Lower	Upper	
156	100		
77	201.9	101.3	303.7
158	97.6	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.955 ug/l

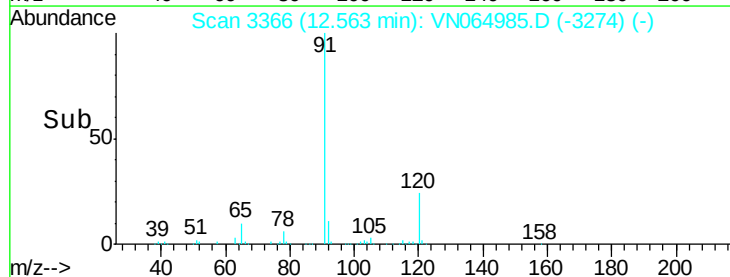
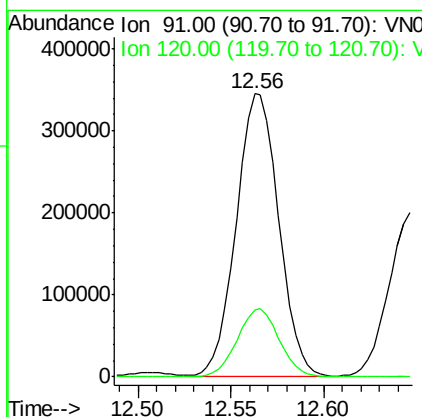
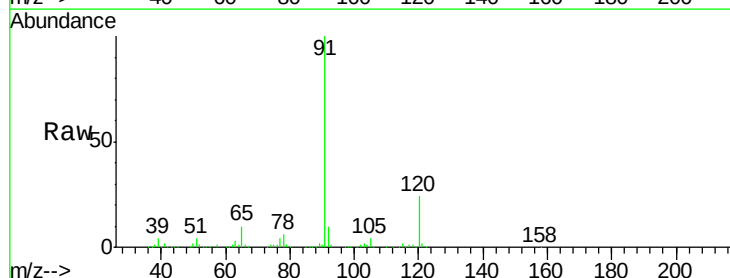
RT: 12.56 min Scan# 3366

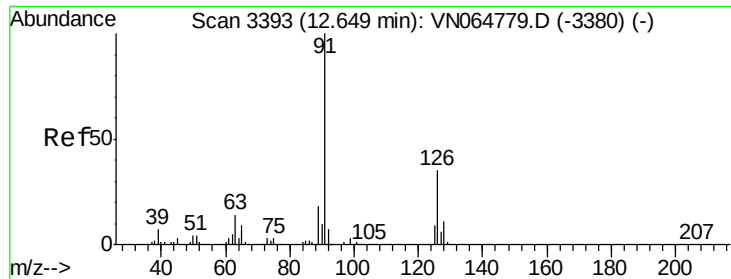
Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	91	Resp:	546429
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.262 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 333178

Ion Ratio Lower Upper

91 100

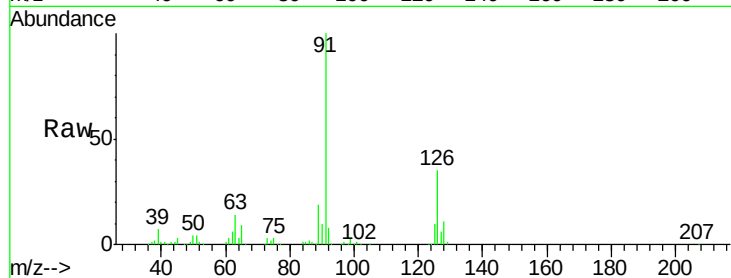
126 34.8 17.2 51.6

Manual Integrations

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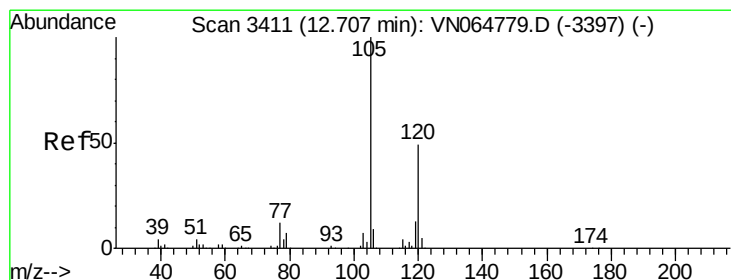
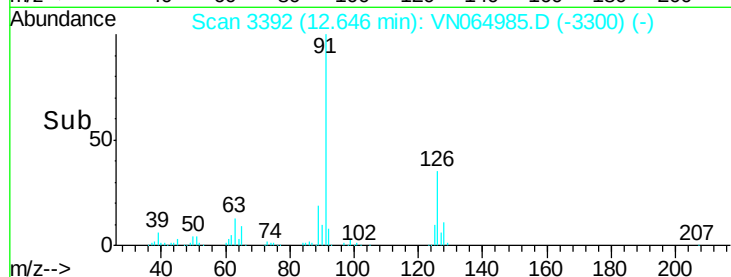
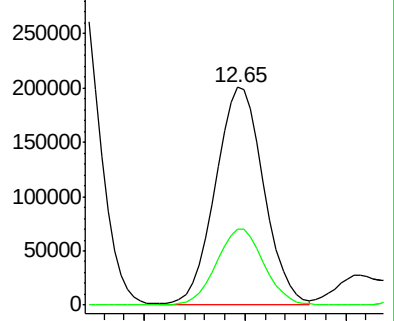
MMDadoda

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

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



#80

1,3,5-Trimethylbenzene

Concen: 54.186 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064985.D

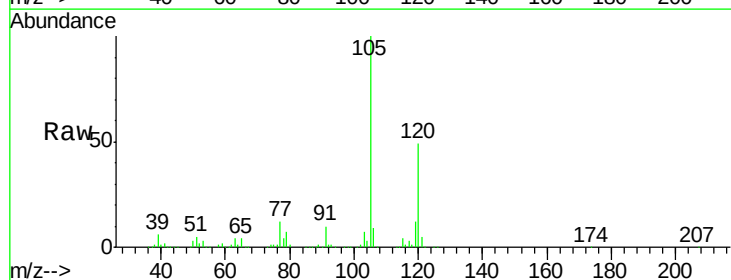
Acq: 8 Dec 2020 21:50

Tgt Ion: 105 Resp: 423970

Ion Ratio Lower Upper

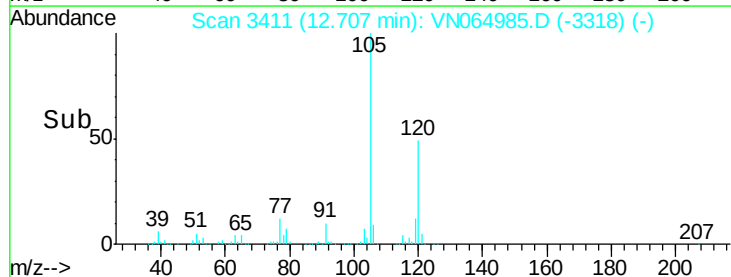
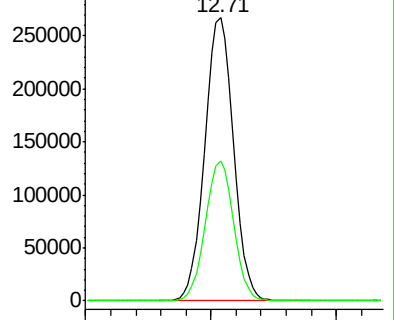
105 100

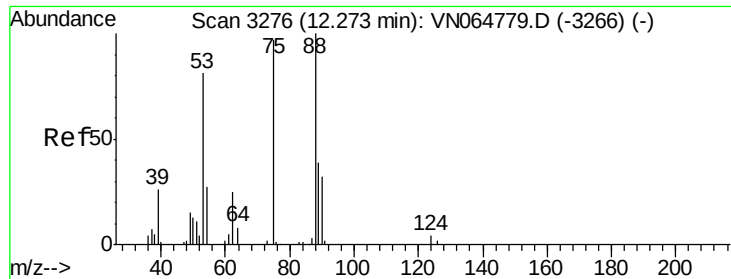
120 48.9 24.6 73.6



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

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





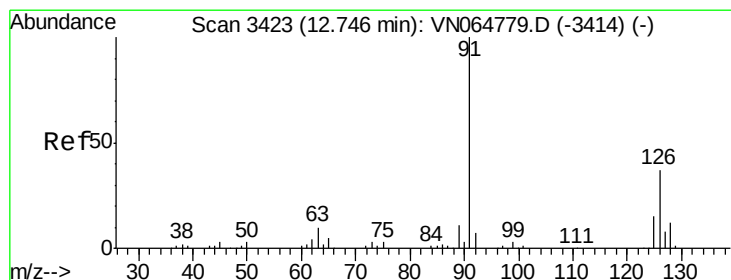
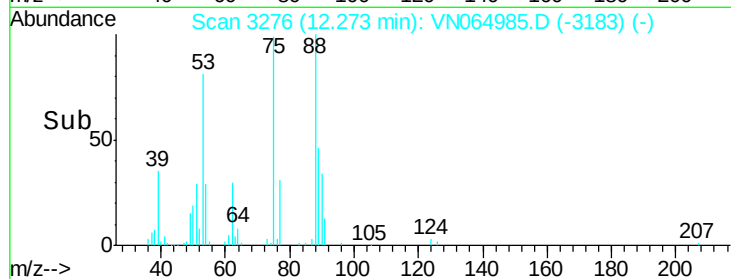
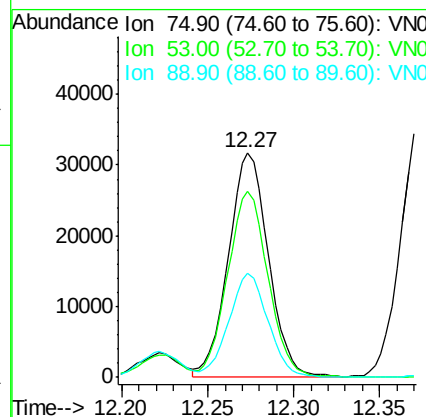
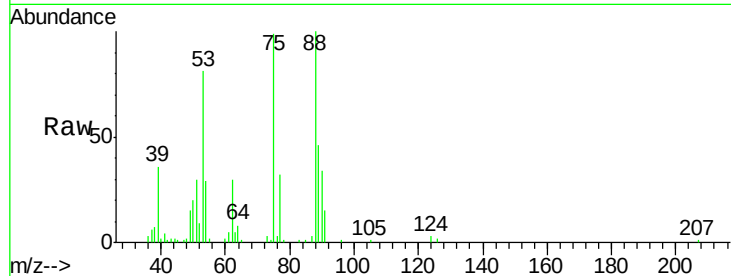
#81
trans-1,4-Dichloro-2-butene
Concen: 48.498 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.1	67.0	100.4
89	45.3	39.6	59.4

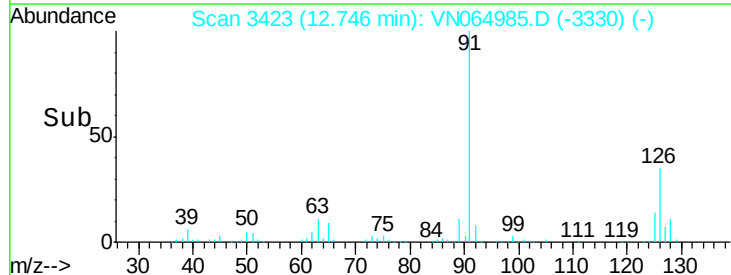
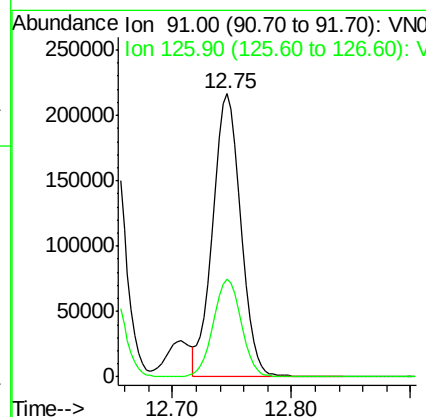
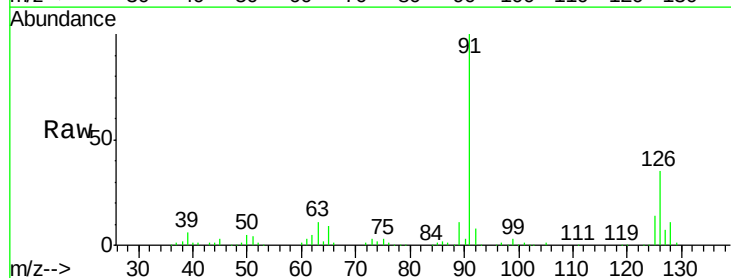
Manual Integrations
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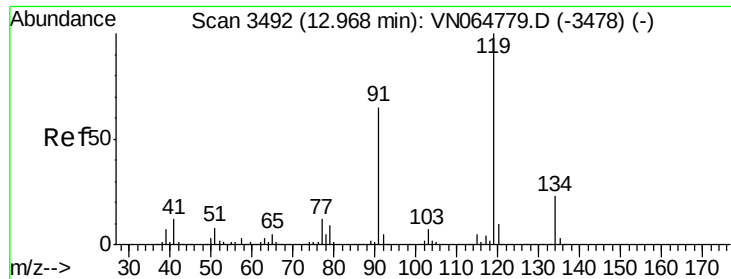
MMDadoda
12/10/2020 9:55:51 AM



#82
4-Chlorotoluene
Concen: 50.855 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.9	50.7





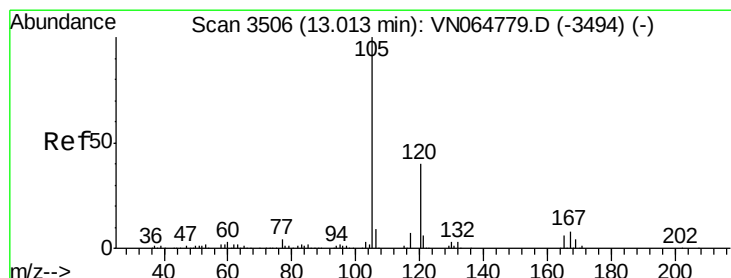
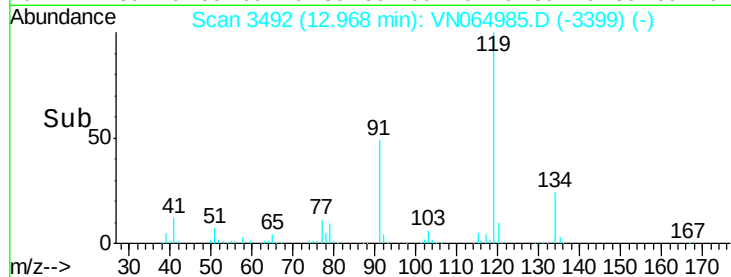
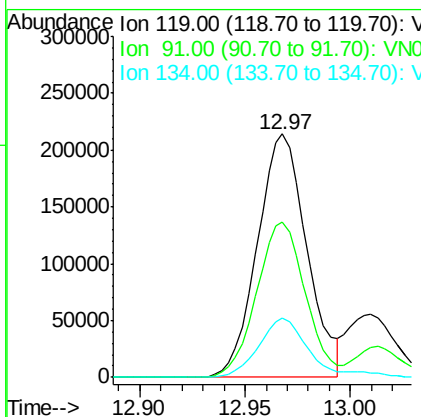
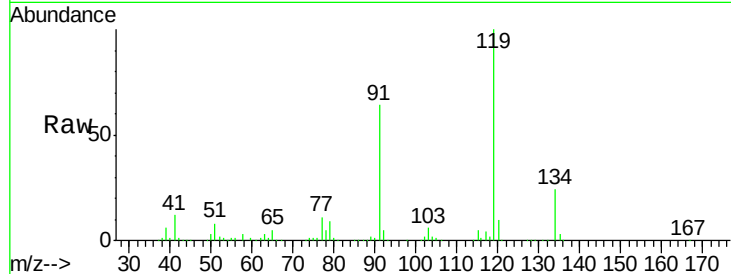
#83
 tert-Butylbenzene
 Concen: 53.228 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	349090		
91	62.7	32.3	96.8	
134	25.0	12.6	37.6	

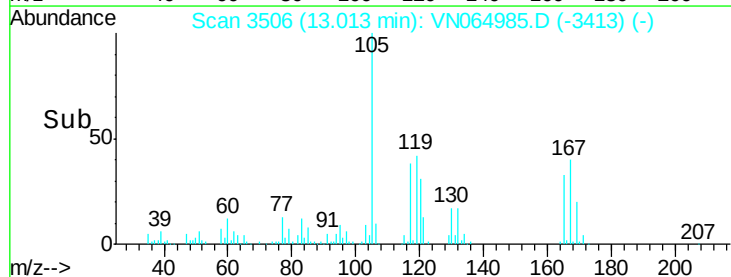
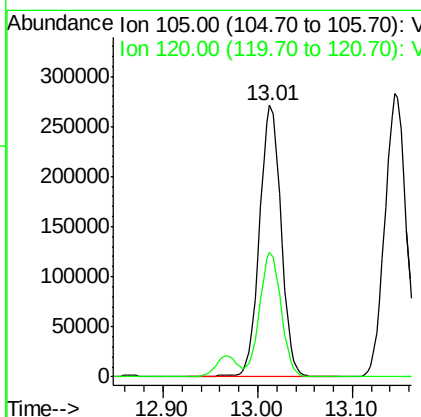
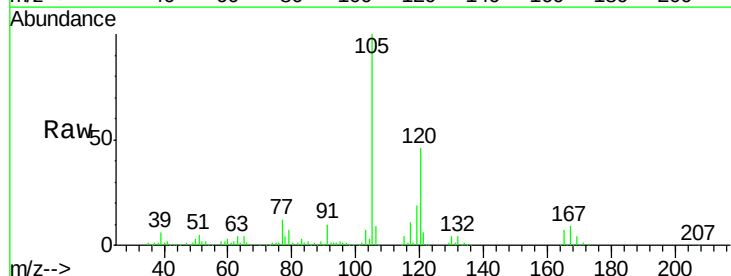
Manual Integrations
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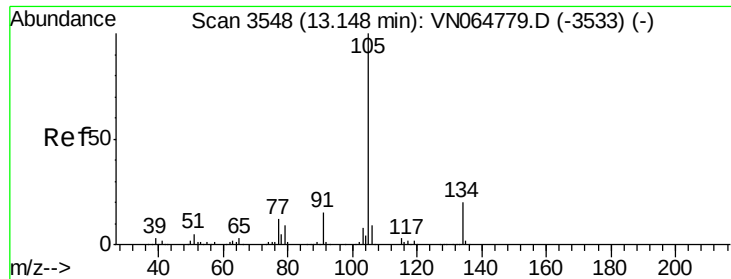
MMDadoda
 12/10/2020 9:55:51 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.330 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	429807		
120	45.8	23.1	69.2	





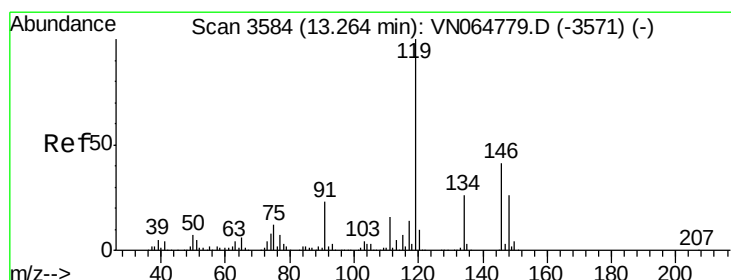
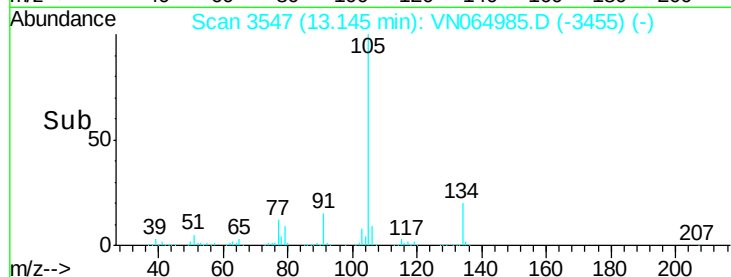
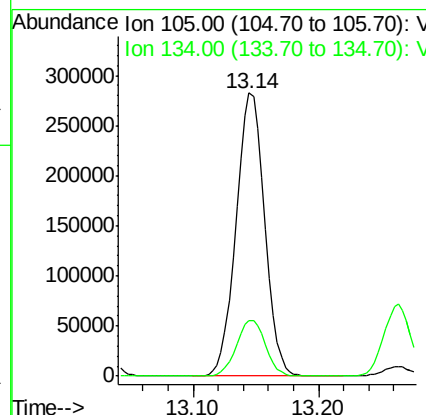
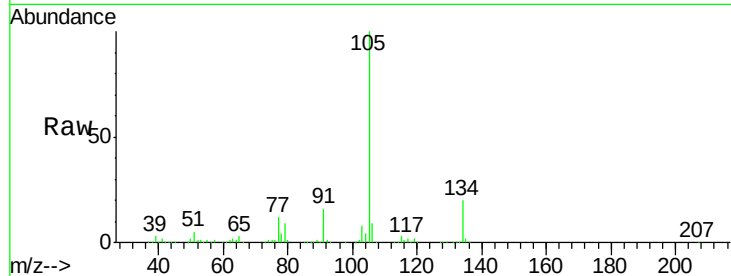
#85
 sec-Butylbenzene
 Concen: 51.191 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

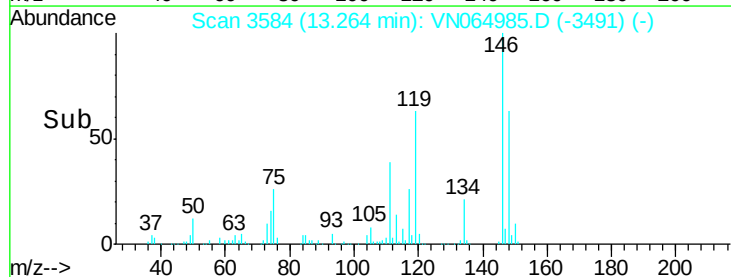
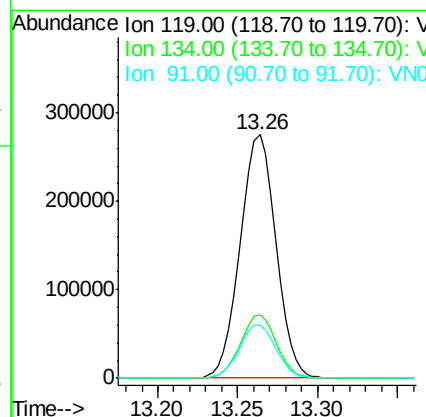
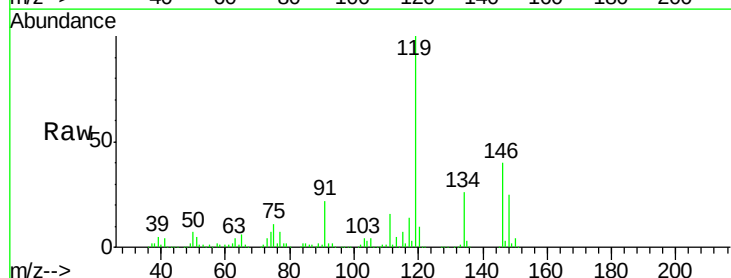
Manual Integrations
 APPROVED

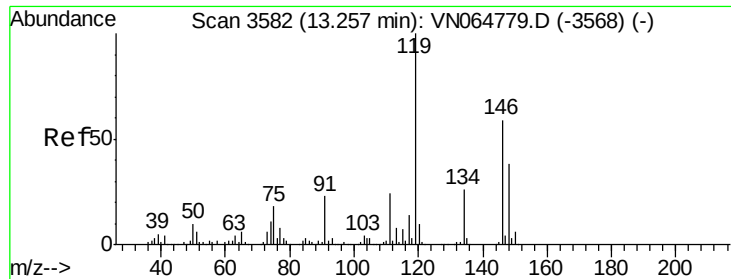
MMDadoda
 12/10/2020 9:55:51 AM



#86
 p-Isopropyltoluene
 Concen: 52.620 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	22.3	11.5	34.5





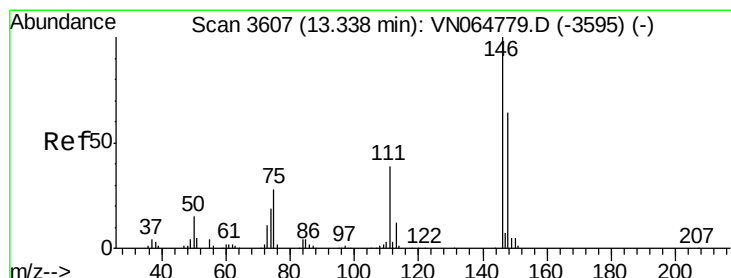
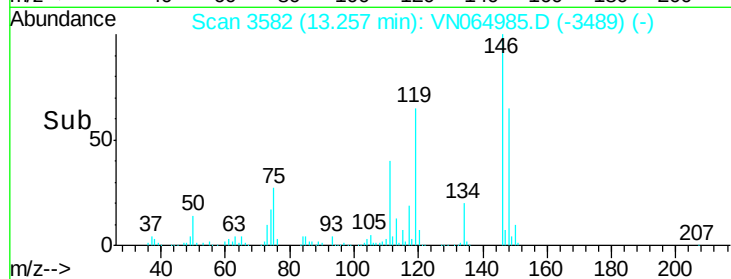
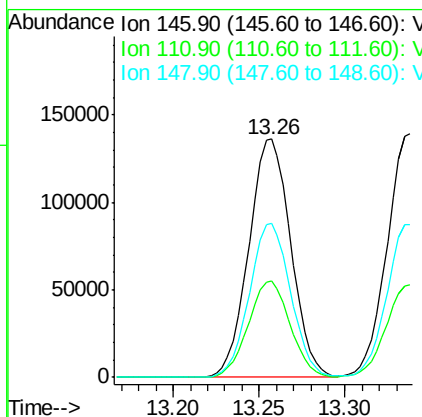
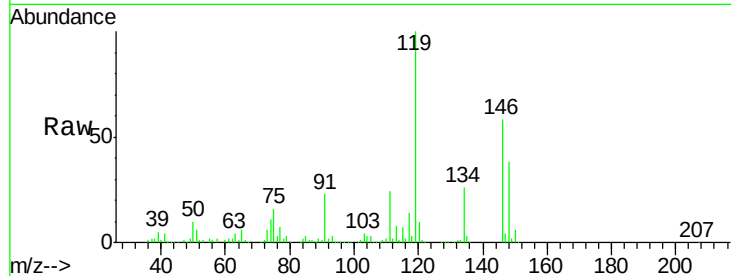
#87
 1,3-Dichlorobenzene
 Concen: 51.092 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	63.4	31.9	95.5

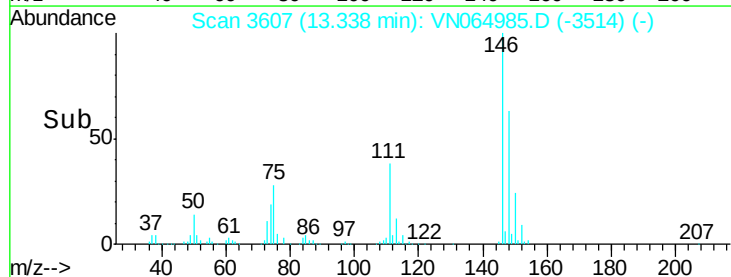
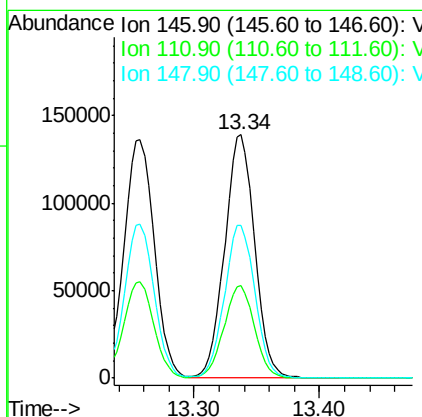
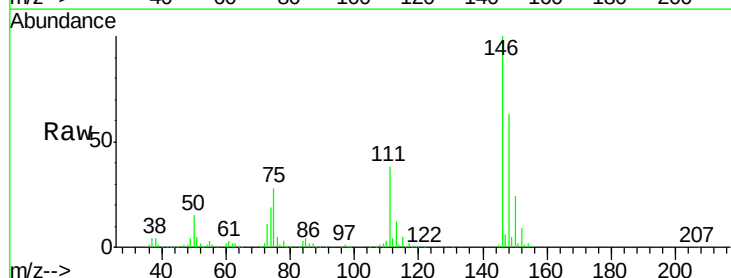
Manual Integrations
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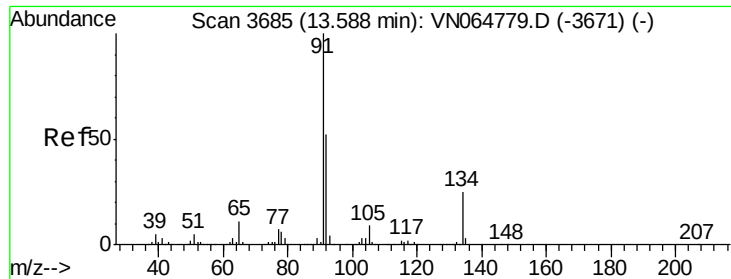
MMDadoda
 12/10/2020 9:55:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.242 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	63.4	31.9	95.5





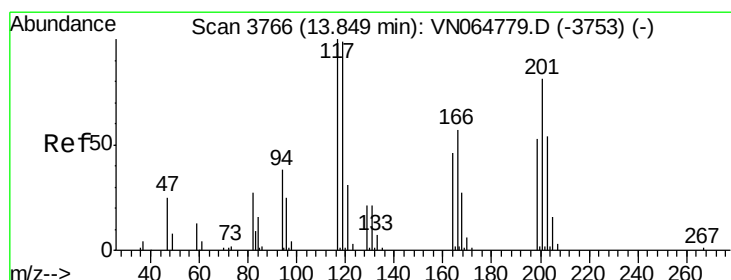
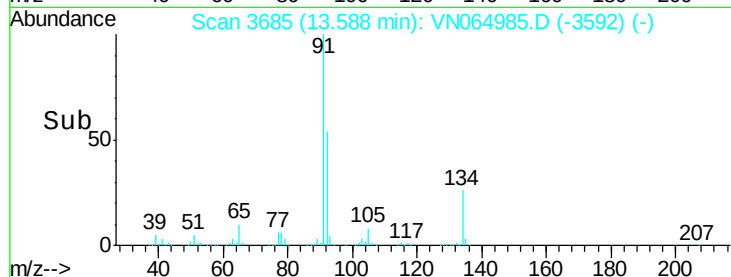
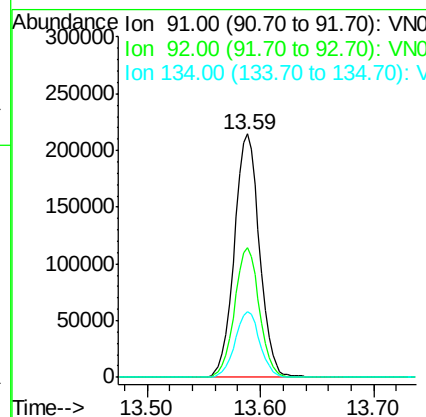
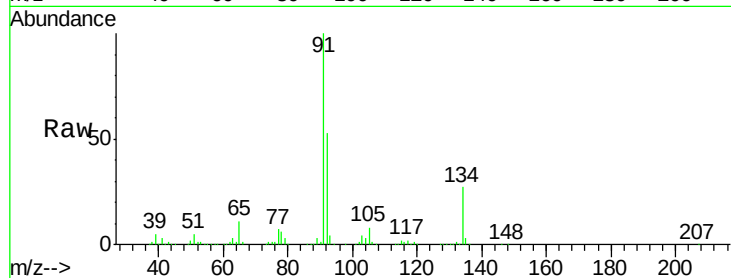
#89
n-Butylbenzene
Concen: 47.773 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	26.5	12.9	38.6

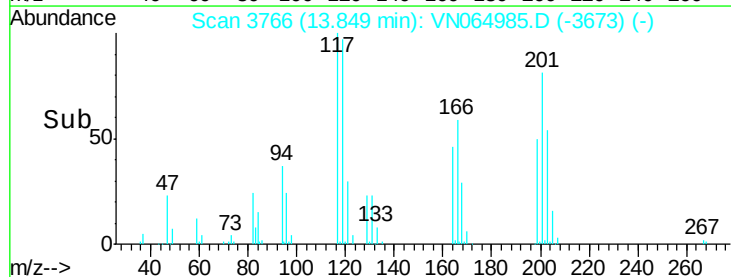
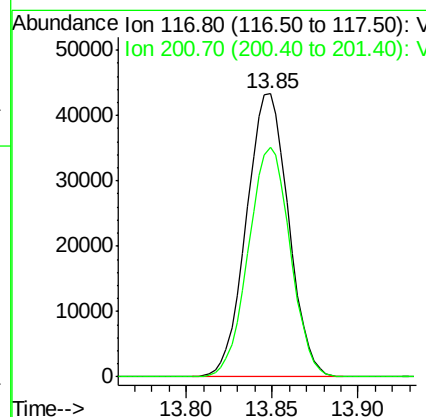
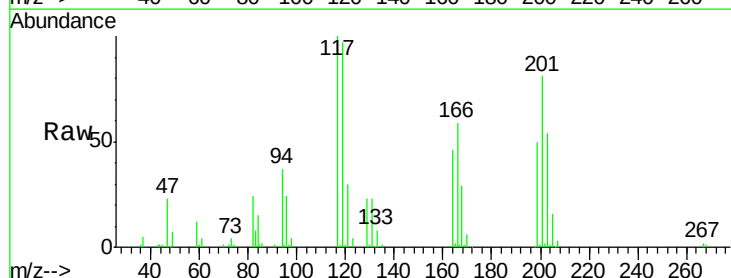
Manual Integrations
APPROVED

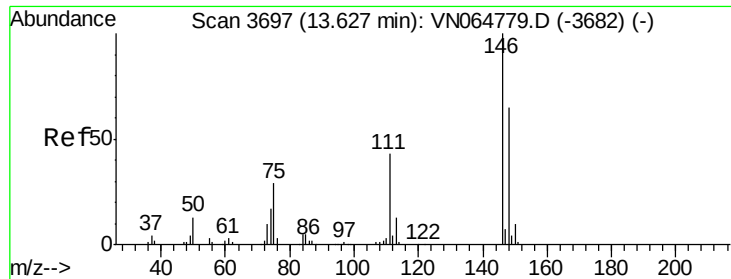
MMDadoda
12/10/2020 9:55:51 AM



#90
Hexachloroethane
Concen: 53.583 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064985.D
Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	40.1	120.3





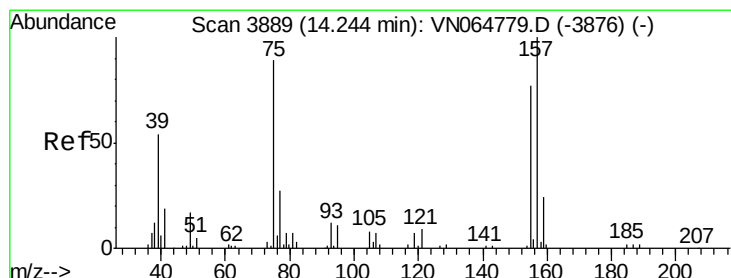
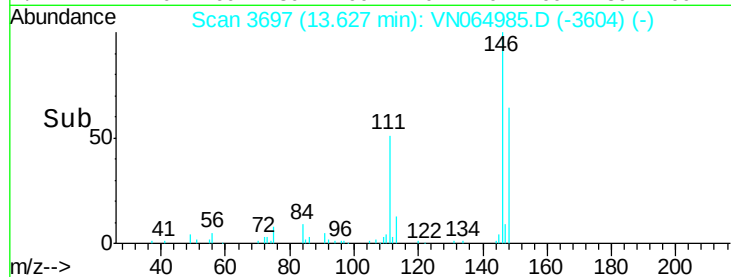
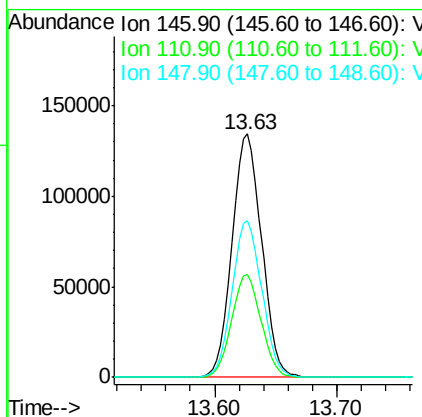
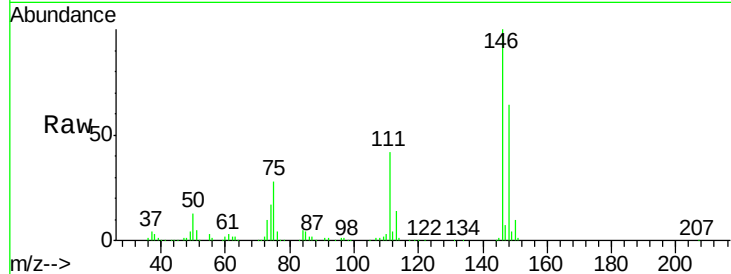
#91
 1,2-Dichlorobenzene
 Concen: 51.323 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	227218		
111	42.0		21.1	63.1
148	64.6		32.0	96.2

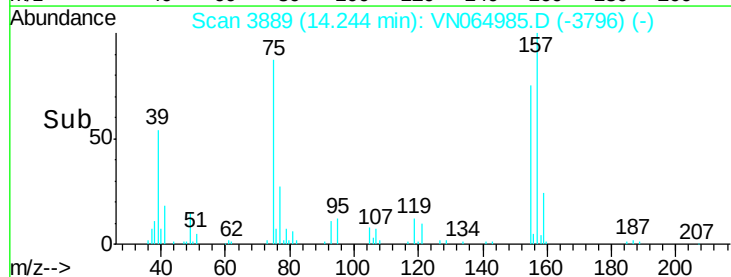
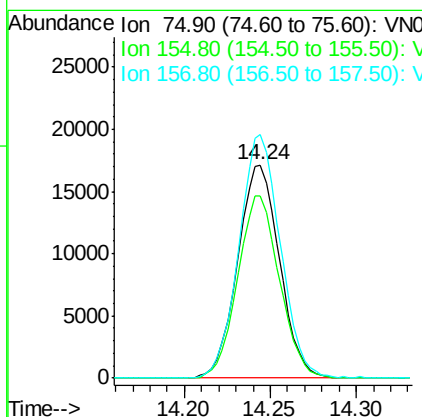
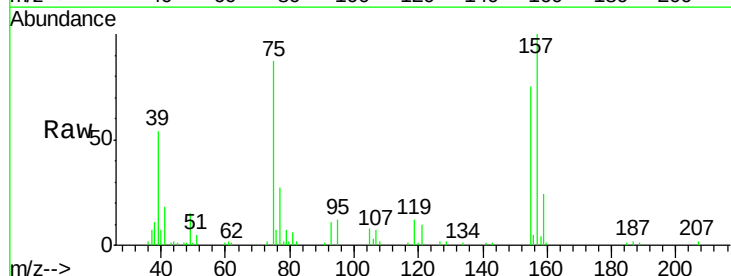
Manual Integrations
 APPROVED

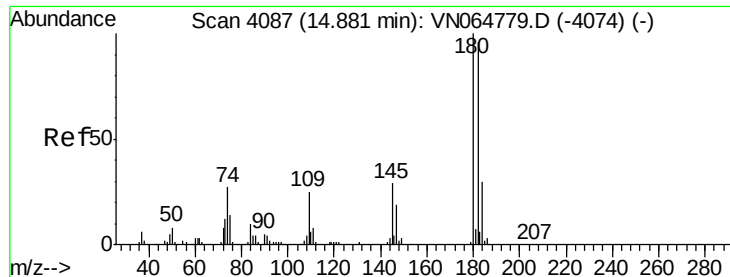
MMDadoda
 12/10/2020 9:55:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.759 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29029		
155	85.1		42.8	128.3
157	112.7		56.4	169.1





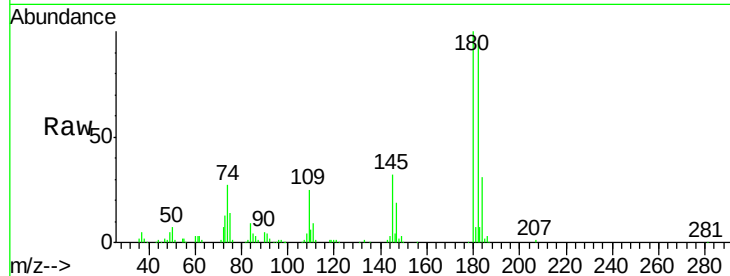
#93
 1,2,4-Trichlorobenzene
 Concen: 43.963 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

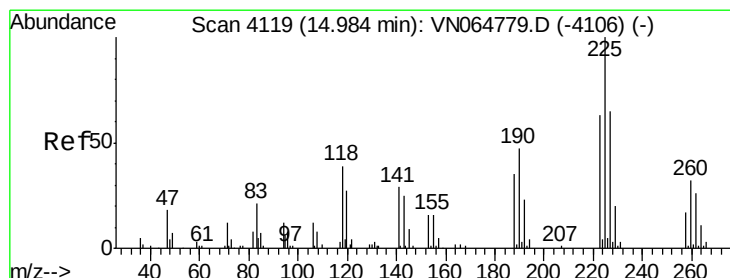
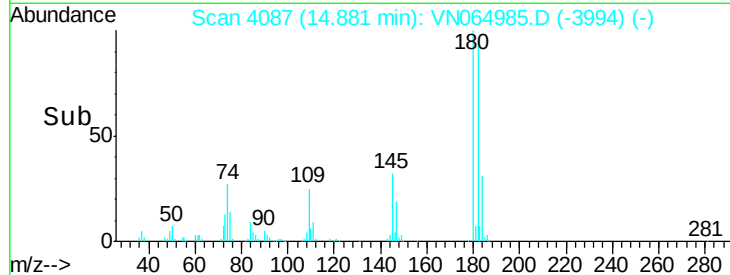
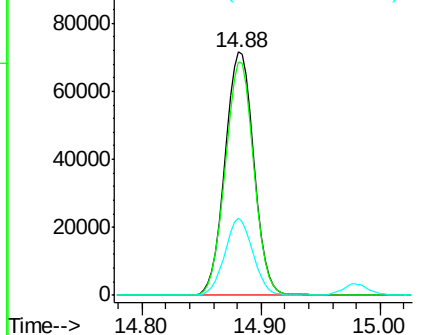
Tot Ion	Ratio	Resp	Lower	Upper
180	100	120404		
182	94.9	47.6	142.9	
145	30.7	15.3	45.8	

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:55:51 AM

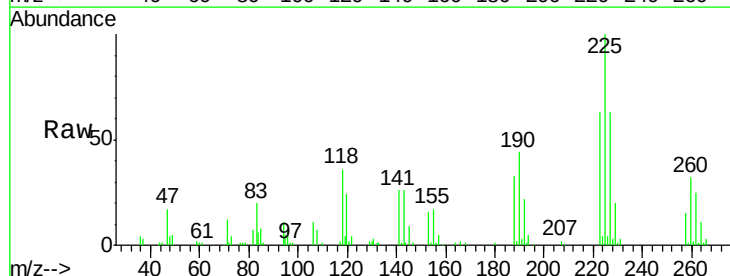


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

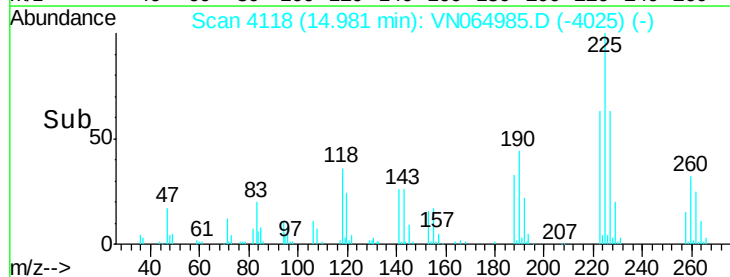
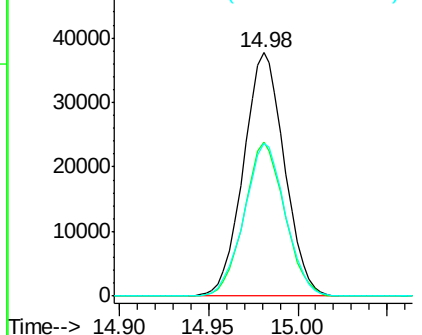


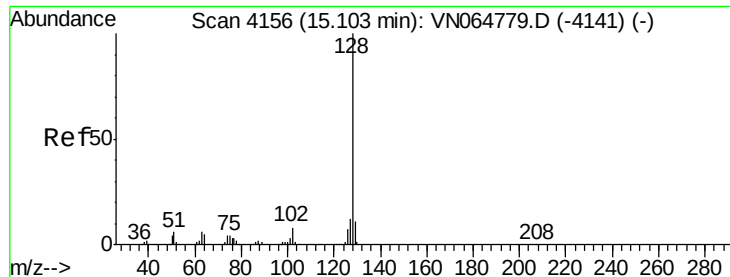
#94
 Hexachlorobutadiene
 Concen: 49.072 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064985.D
 Acq: 8 Dec 2020 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60512		
223	62.4	31.0	93.0	
227	63.0	32.0	96.0	



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





#95

Naphthalene

Concen: 43.846 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Instrument :

MSVOA_N

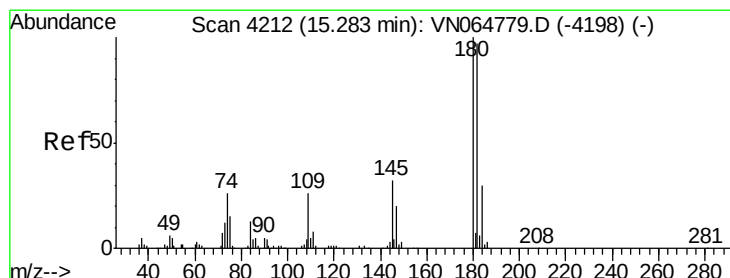
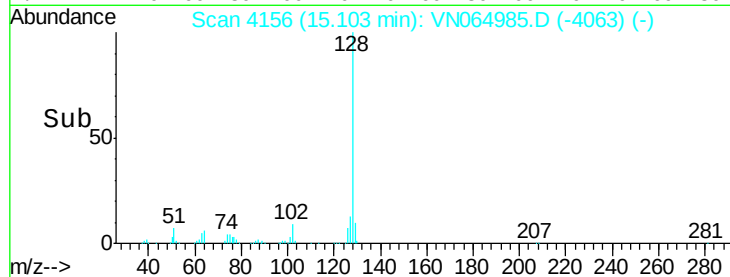
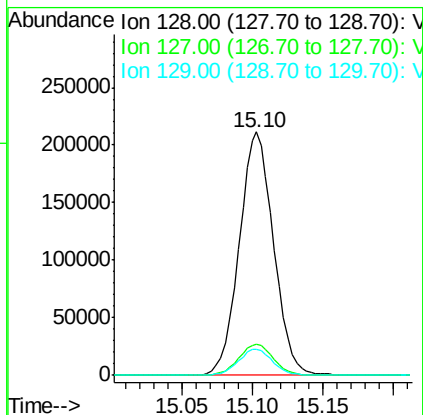
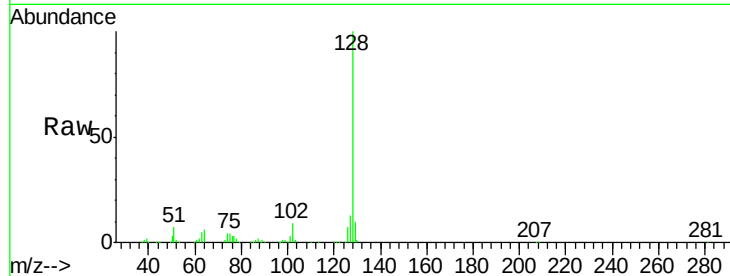
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	359751
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:55:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.768 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064985.D

Acq: 8 Dec 2020 21:50

Tgt Ion:	180	Resp:	113447
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.1	144.4
145	32.3	16.4	49.1

