

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064030.D
 Acq On : 9 Oct 2020 8:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:53:29 PM

Quant Time: Oct 09 12:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	267394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	460505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	435476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	213769	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.55	113	151679	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
50) Toluene-d8	10.06	98	571728	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.38	95	213681	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	121239	42.970	ug/l	98
3) Chloromethane	2.04	50	157084	47.449	ug/l	100
4) Vinyl Chloride	2.16	62	156118	46.979	ug/l	100
5) Bromomethane	2.52	94	90073	43.092	ug/l	97
6) Chloroethane	2.67	64	103442	52.092	ug/l	99
7) Trichlorofluoromethane	2.98	101	251518	47.722	ug/l	98
8) Diethyl Ether	3.37	74	92962	52.154	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	133132	47.260	ug/l	96
10) Methyl Iodide	3.91	142	169576	51.845	ug/l	98
11) Tert butyl alcohol	4.73	59	135689	278.216	ug/l	100
12) 1,1-Dichloroethene	3.70	96	132663	49.269	ug/l	98
13) Acrolein	3.57	56	88529	295.758	ug/l	100
14) Allyl chloride	4.28	41	265922	53.160	ug/l	90
15) Acrylonitrile	4.93	53	428594	307.007	ug/l	99
16) Acetone	3.77	43	373263	274.486	ug/l	100
17) Carbon Disulfide	4.01	76	349314	48.026	ug/l	99
18) Methyl Acetate	4.28	43	224236	63.510	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	524664	53.633	ug/l	100
20) Methylene Chloride	4.50	84	167808	53.868	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	147770	48.996	ug/l	98
22) Diisopropyl ether	5.90	45	604038	58.690	ug/l	95
23) Vinyl Acetate	5.84	43	2420734	283.941	ug/l	99
24) 1,1-Dichloroethane	5.80	63	312969	53.184	ug/l	98
25) 2-Butanone	6.78	43	596012	309.144	ug/l	98
26) 2,2-Dichloropropane	6.78	77	181773	33.730	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	177312	51.118	ug/l	95
28) Bromochloromethane	7.15	49	160712	55.256	ug/l	97
29) Tetrahydrofuran	7.16	42	400352	309.616	ug/l	96
30) Chloroform	7.33	83	325404	53.033	ug/l	96
31) Cyclohexane	7.61	56	248898	48.532	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	285066	51.508	ug/l	99
36) 1,1-Dichloropropene	7.75	75	225415	48.317	ug/l	99
37) Ethyl Acetate	6.88	43	250564	54.058	ug/l	100
38) Carbon Tetrachloride	7.73	117	247853	47.377	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	203594	43.761	ug/l	99
40) Benzene	8.00	78	674941	50.651	ug/l	99
41) Methacrylonitrile	7.13	41	105046m	50.993	ug/l	
42) 1,2-Dichloroethane	8.08	62	273381	48.061	ug/l	100
43) Isopropyl Acetate	8.13	43	416133	54.429	ug/l #	92
44) Trichloroethene	8.80	130	167787	48.057	ug/l	98
45) 1,2-Dichloropropane	9.08	63	189133	52.555	ug/l	99
46) Dibromomethane	9.17	93	123163	49.610	ug/l	98
47) Bromodichloromethane	9.37	83	259845	50.785	ug/l	98
48) Methyl methacrylate	9.16	41	214190	56.704	ug/l	92
49) 1,4-Dioxane	9.16	88	54939	1023.379	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1308457	291.632	ug/l	99
52) Toluene	10.12	92	427248	51.836	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	263682	48.077	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	280935	48.978	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	173558	52.507	ug/l	97
56) Ethyl methacrylate	10.40	69	257884	55.041	ug/l	95
57) 1,3-Dichloropropane	10.68	76	297942	53.278	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	694669	277.178	ug/l	99
59) 2-Hexanone	10.72	43	959031	287.740	ug/l	100
60) Dibromochloromethane	10.87	129	197120	51.207	ug/l	100
61) 1,2-Dibromoethane	10.98	107	181291	53.617	ug/l	100
64) Tetrachloroethene	10.60	164	153689	45.617	ug/l	99
65) Chlorobenzene	11.41	112	447146	50.056	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	178301	52.064	ug/l	99
67) Ethyl Benzene	11.48	91	815744	50.185	ug/l	99
68) m/p-Xylenes	11.60	106	605188	99.897	ug/l	99
69) o-Xylene	11.92	106	289183	51.071	ug/l	99
70) Styrene	11.94	104	508078	52.861	ug/l	98
71) Bromoform	12.10	173	136579	52.145	ug/l #	98
73) Isopropylbenzene	12.22	105	770815	50.809	ug/l	99
74) N-amyl acetate	12.05	43	374743	53.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	252577	54.445	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	243158m	53.033	ug/l	
77) Bromobenzene	12.50	156	192745	51.777	ug/l	99
78) n-propylbenzene	12.57	91	867609	49.140	ug/l	100
79) 2-Chlorotoluene	12.65	91	544722	50.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	647311	50.859	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	78300	49.186	ug/l	97
82) 4-Chlorotoluene	12.75	91	567773	50.368	ug/l	98
83) tert-Butylbenzene	12.97	119	511263	49.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	648439	51.029	ug/l	98
85) sec-Butylbenzene	13.14	105	678156	49.594	ug/l	99
86) p-Isopropyltoluene	13.26	119	597953	49.430	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	335372	49.798	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	330963	47.199	ug/l	99
89) n-Butylbenzene	13.59	91	488916	43.790	ug/l	99
90) Hexachloroethane	13.85	117	116153	49.551	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	336060	50.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55225	50.760	ug/l	97

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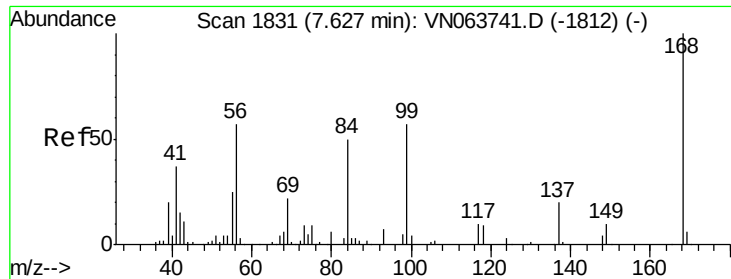
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	151031	41.929	ug/l	98
94) Hexachlorobutadiene	14.98	225	87102	48.162	ug/l	99
95) Naphthalene	15.10	128	471670	42.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	154352	44.067	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 267394

Ion Ratio Lower Upper

168 100

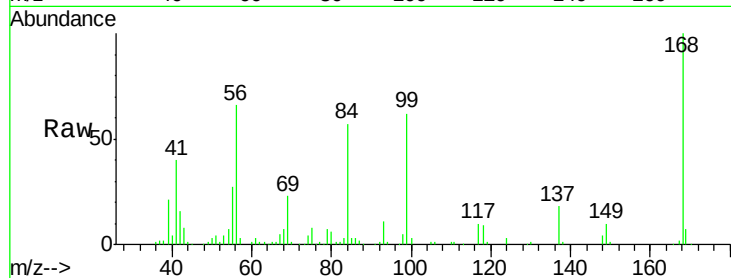
99 61.5 51.8 77.6

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

120000

100000

80000

60000

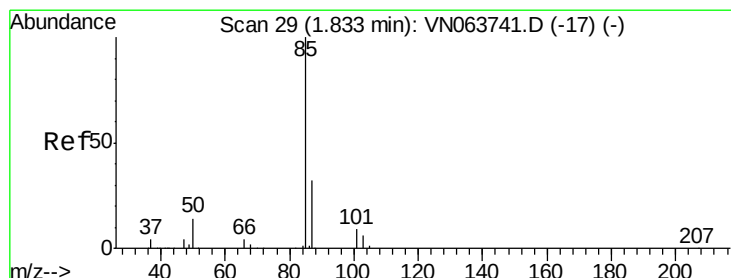
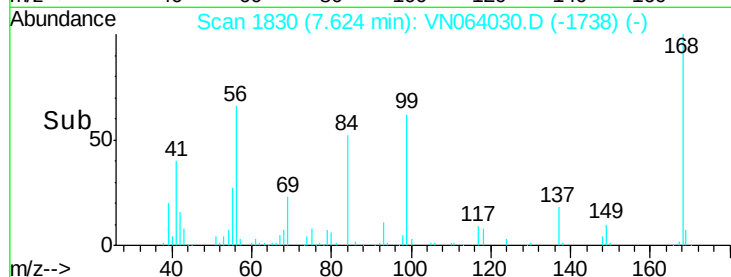
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.970 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064030.D

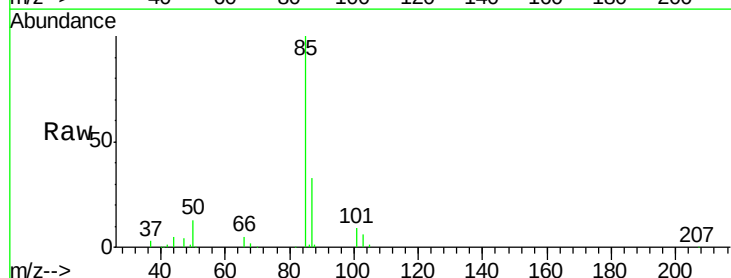
Acq: 9 Oct 2020 8:52

Tgt Ion: 85 Resp: 121239

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

60000

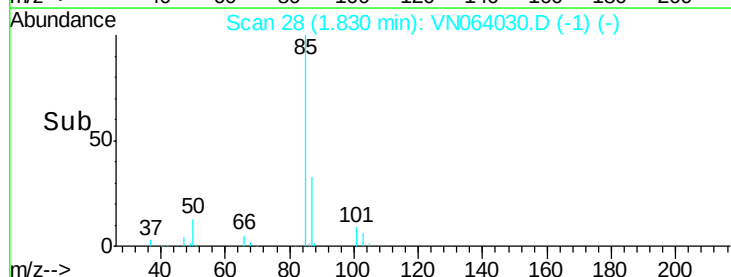
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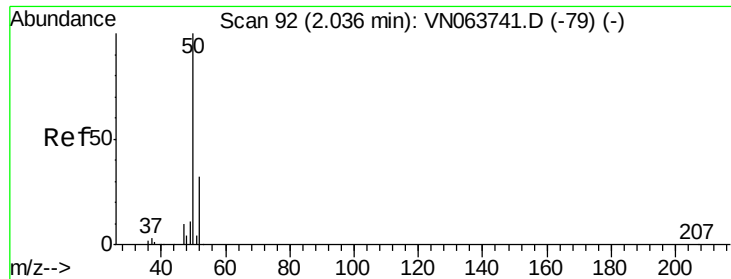
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.449 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 157084

Ion Ratio Lower Upper

50 100

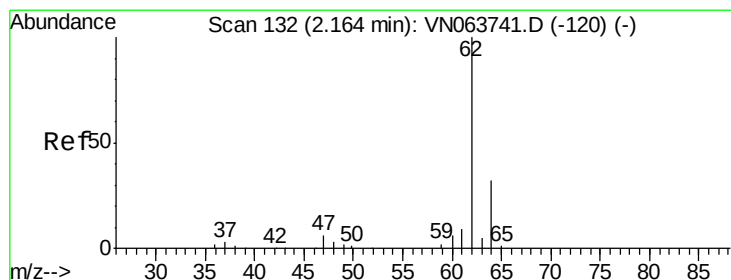
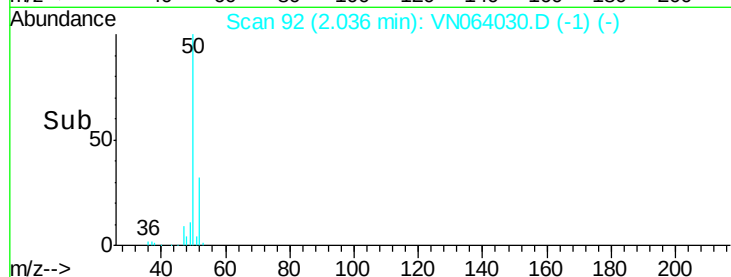
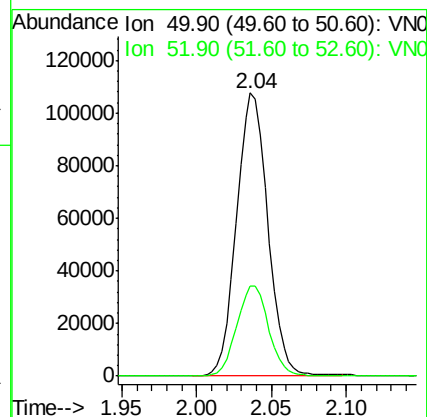
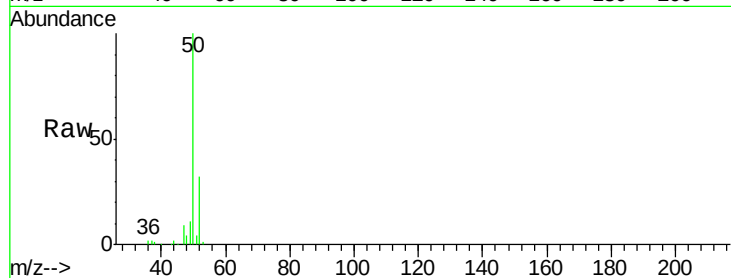
52 32.0 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.979 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064030.D

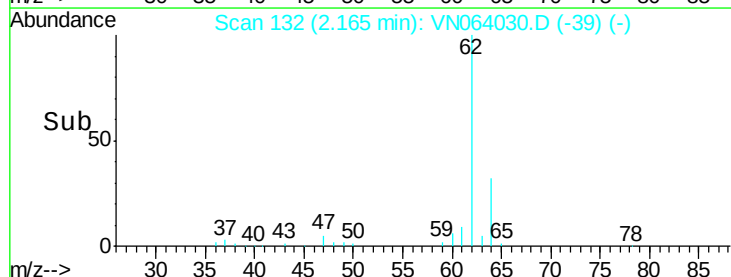
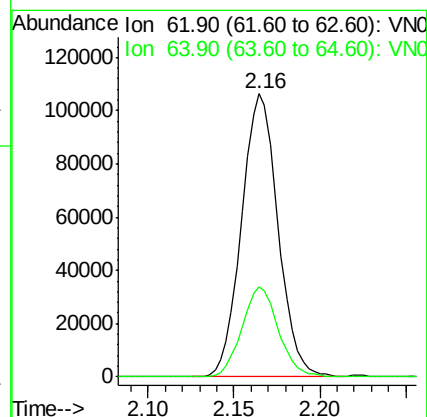
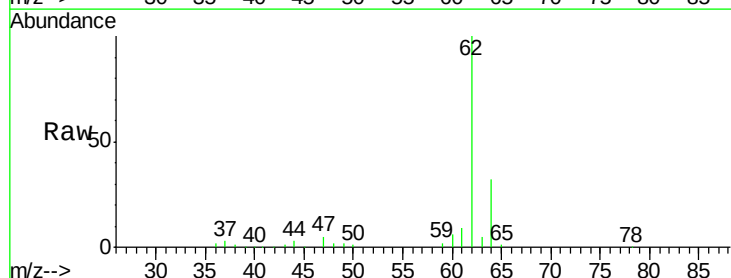
Acq: 9 Oct 2020 8:52

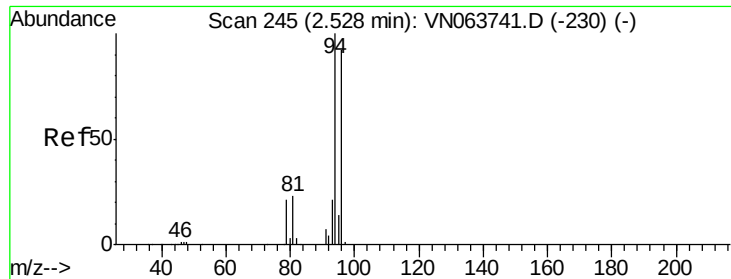
Tgt Ion: 62 Resp: 156118

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 43.092 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 90073

Ion Ratio Lower Upper

94 100

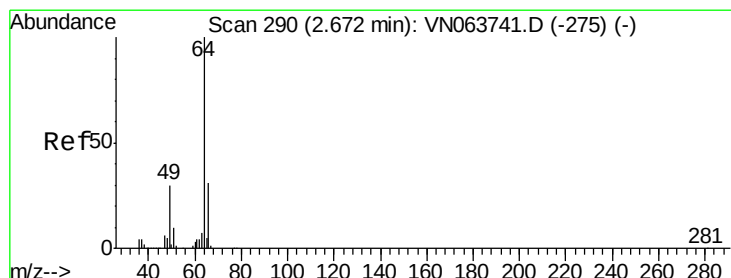
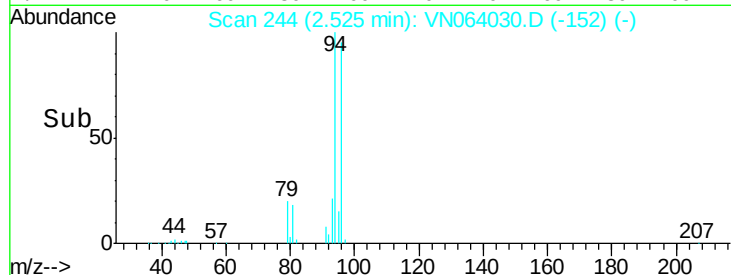
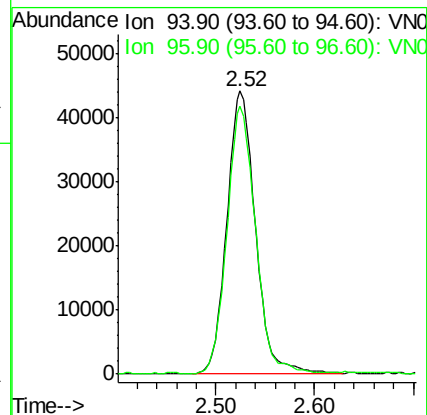
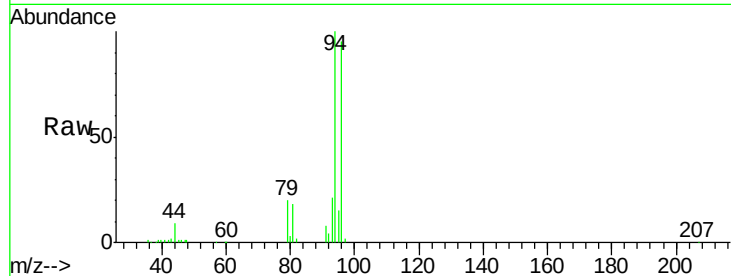
96 94.7 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 52.092 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064030.D

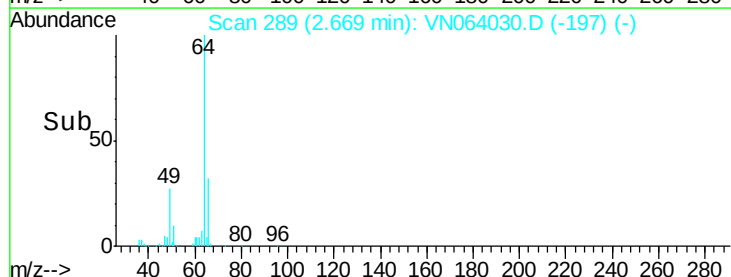
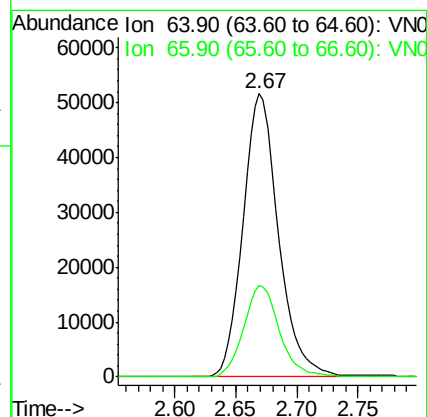
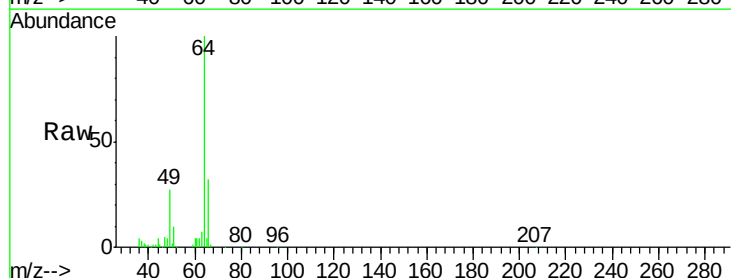
Acq: 9 Oct 2020 8:52

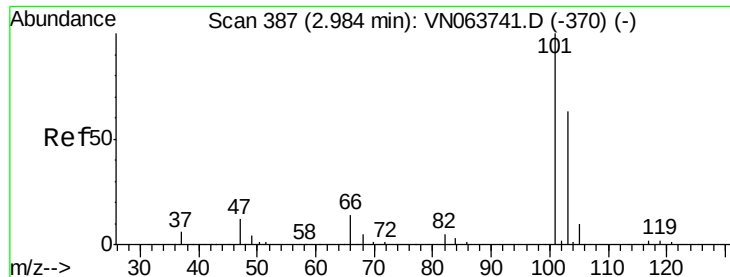
Tgt Ion: 64 Resp: 103442

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7





#7

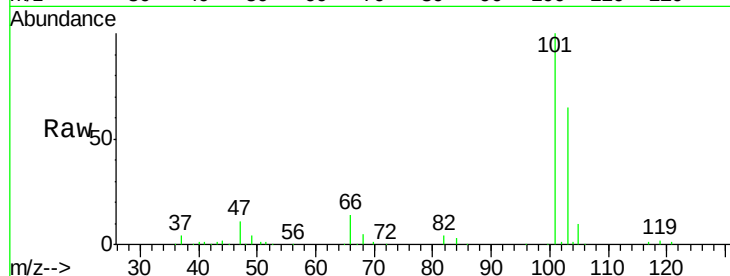
Trichlorofluoromethane
Concen: 47.722 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064030.D
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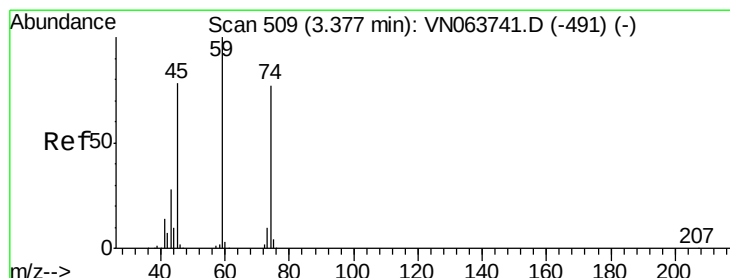
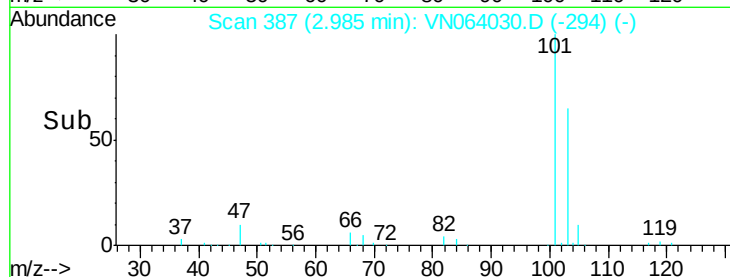
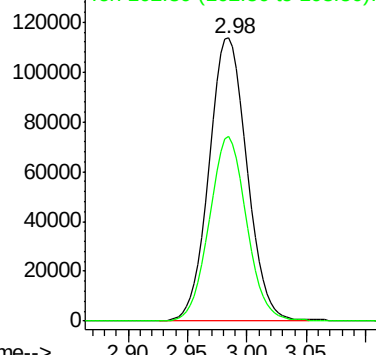
Tot Ion:101 Resp: 251518
Ion Ratio Lower Upper
101 100
103 65.1 50.7 76.1

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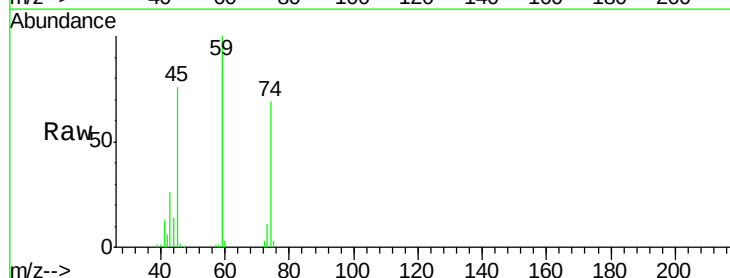
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



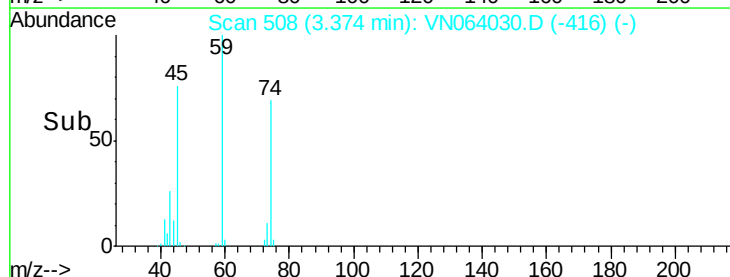
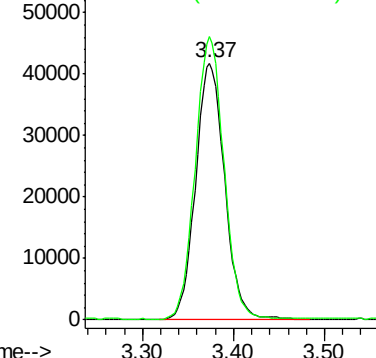
#8

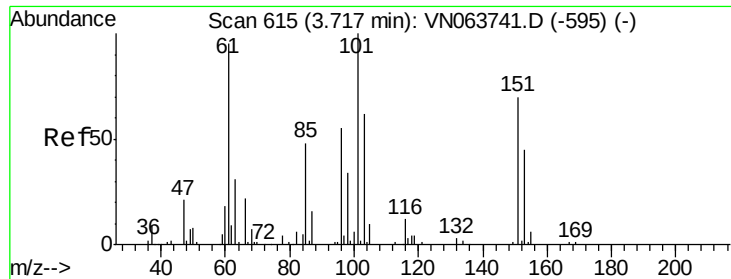
Diethyl Ether
Concen: 52.154 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion: 74 Resp: 92962
Ion Ratio Lower Upper
74 100
45 109.2 50.9 152.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.260 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

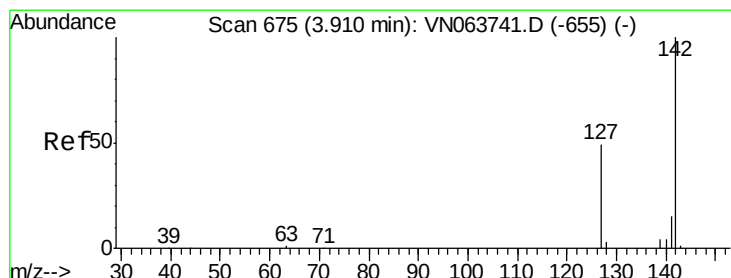
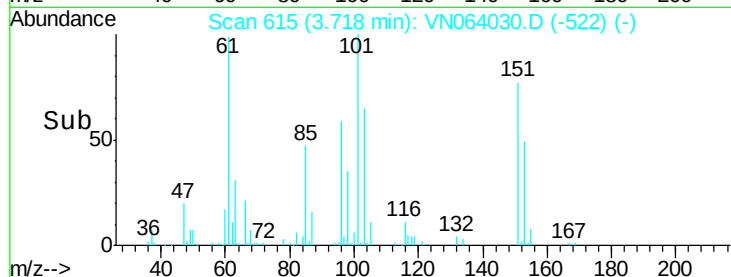
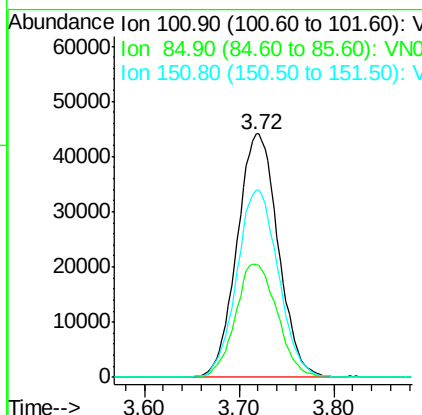
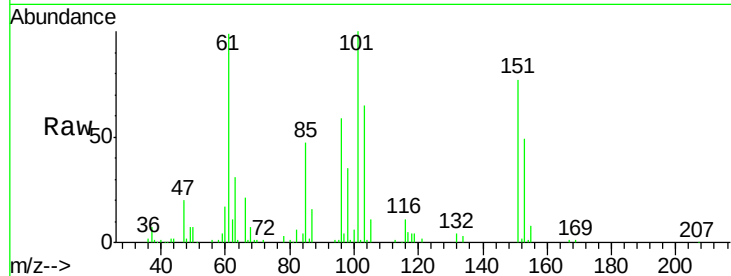
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	133132
Ion Ratio	Lower	Upper	
101	100		
85	47.3	38.6	58.0
151	77.7	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 51.845 ug/l

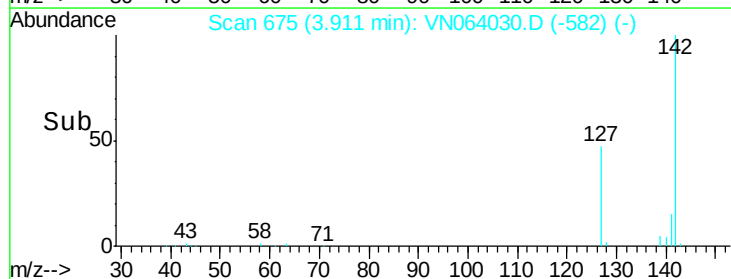
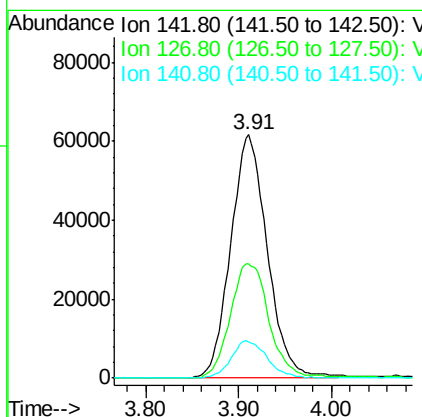
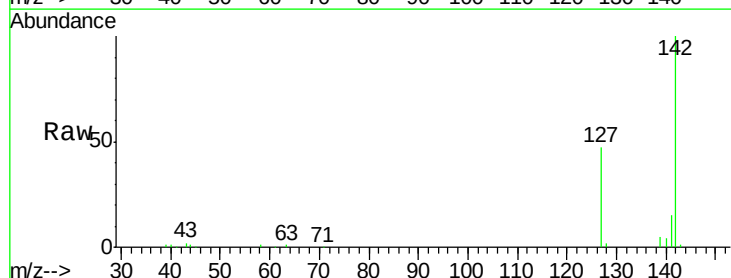
RT: 3.91 min Scan# 675

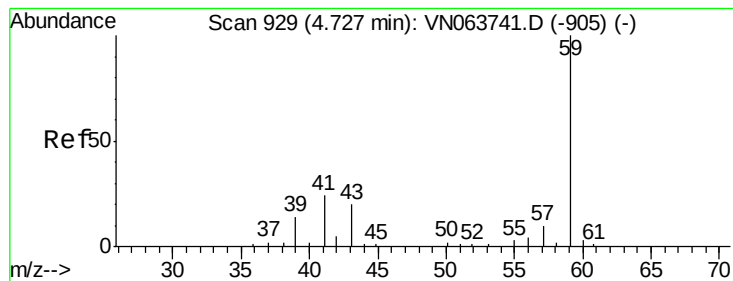
Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion:	142	Resp:	169576
Ion Ratio	Lower	Upper	
142	100		
127	49.1	40.5	60.7
141	15.1	11.7	17.5





#11

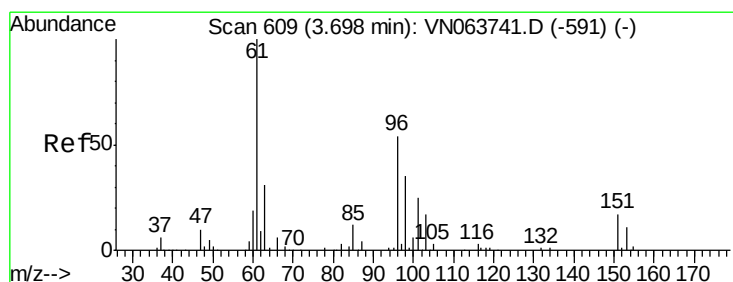
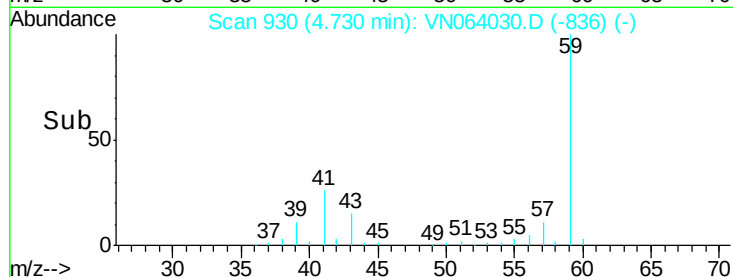
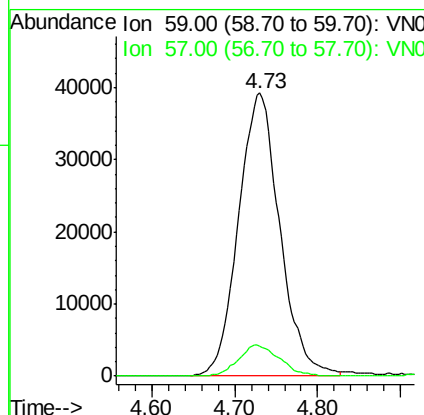
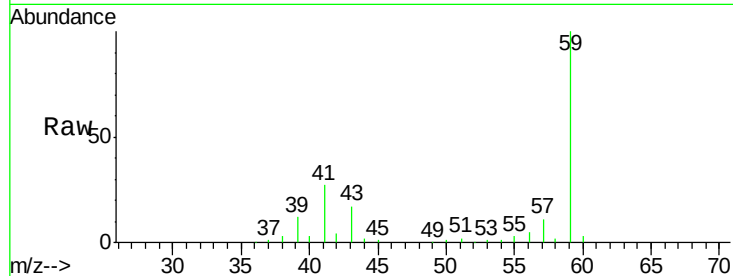
Tert butyl alcohol
Concen: 278.216 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 135689
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

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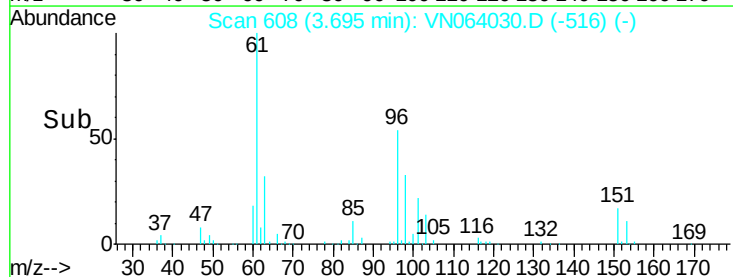
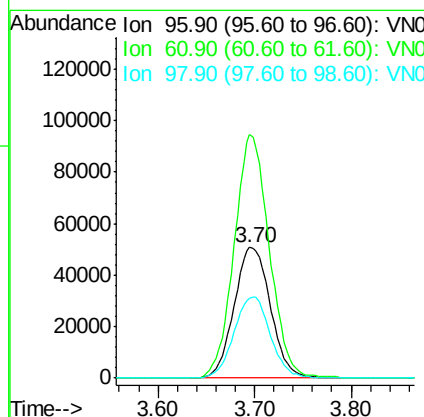
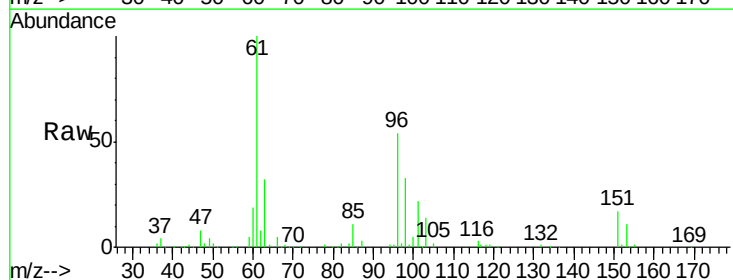
MMDadoda
10/9/2020 4:53:29 PM

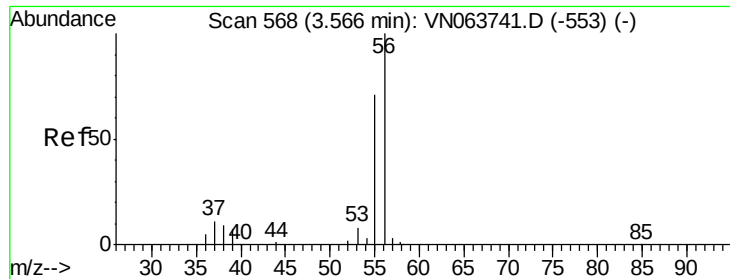


#12

1,1-Dichloroethene
Concen: 49.269 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion: 96 Resp: 132663
Ion Ratio Lower Upper
96 100
61 186.2 147.7 221.5
98 60.7 51.9 77.9





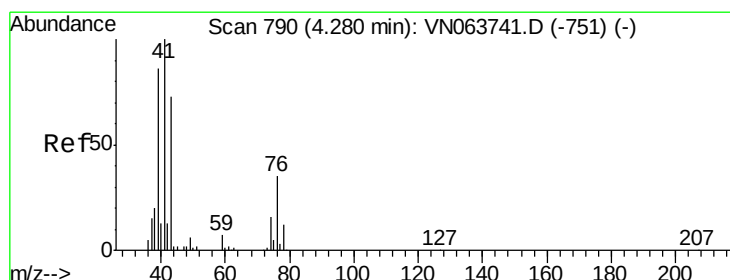
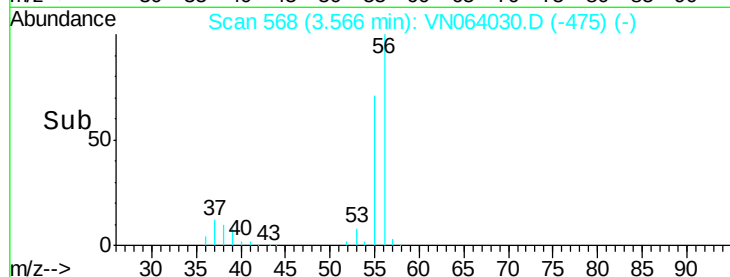
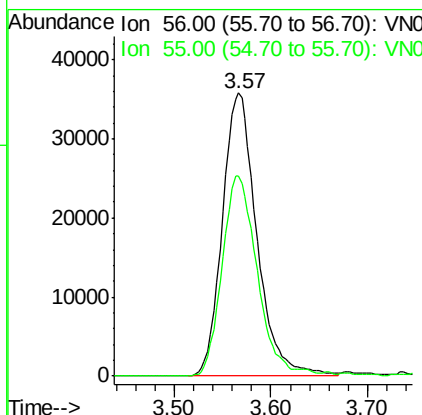
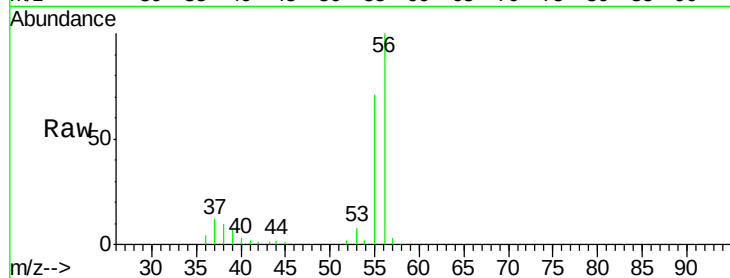
#13
 Acrolein
 Concen: 295.758 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	88529
Ion Ratio	100	Lower	Upper
56	100		
55	70.9	56.9	85.3

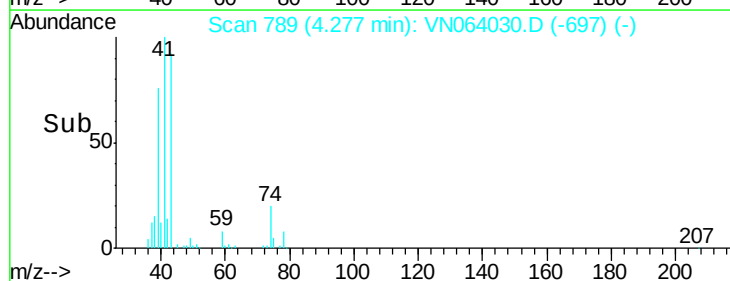
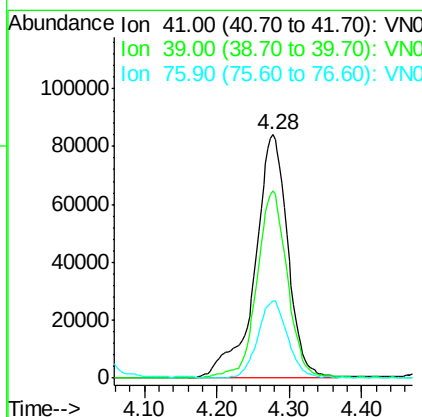
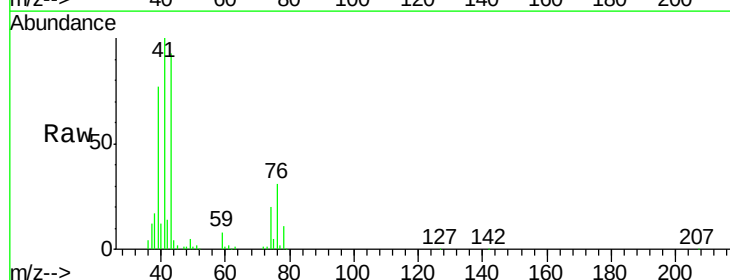
Manual Integrations
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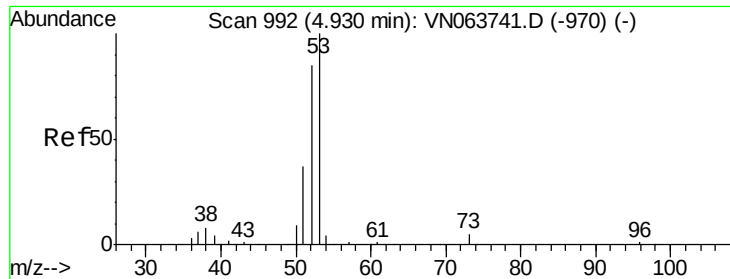
MMDadoda
 10/9/2020 4:53:29 PM



#14
 Allyl chloride
 Concen: 53.160 ug/l
 RT: 4.28 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	41	Resp	265922
Ion Ratio	100	Lower	Upper
41	100		
39	71.2	64.5	96.7
76	27.8	25.9	38.9





#15

Acrylonitrile

Concen: 307.007 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

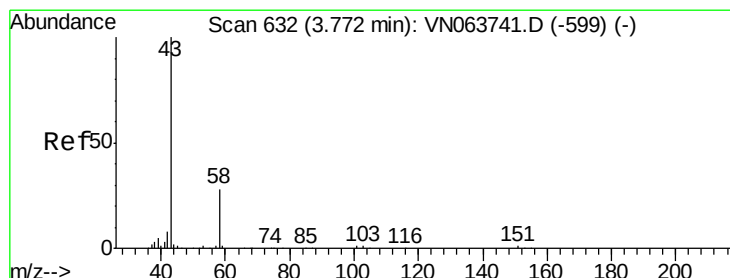
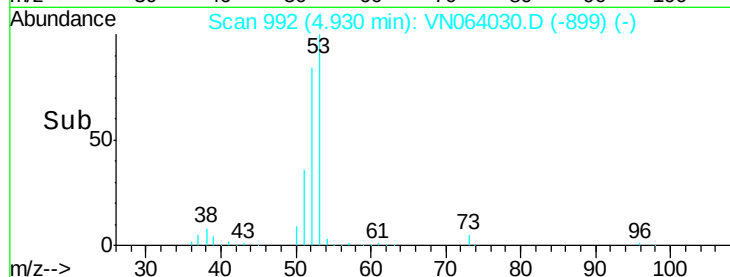
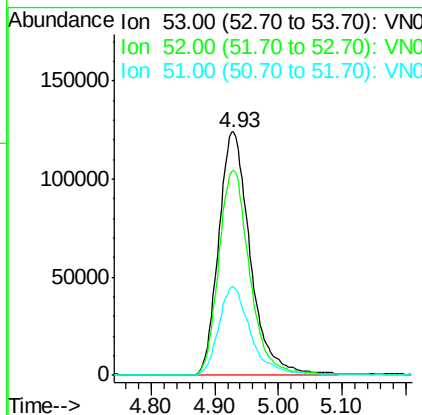
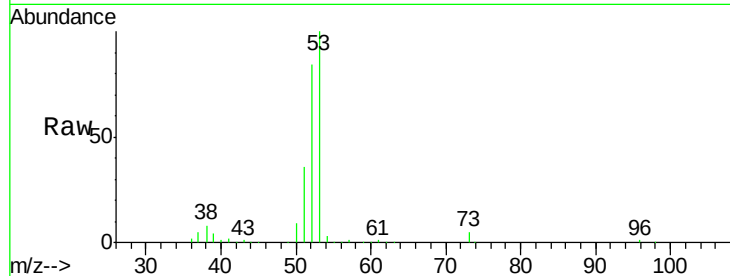
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	428594
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.5	99.7
51	36.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 274.486 ug/l

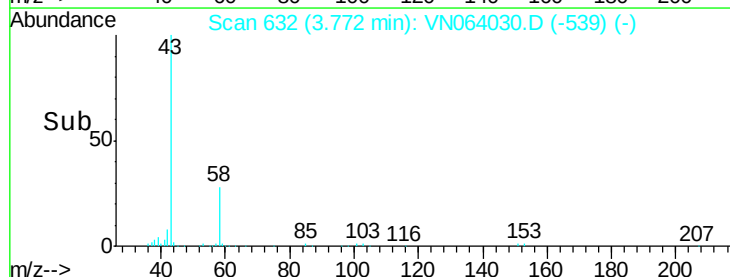
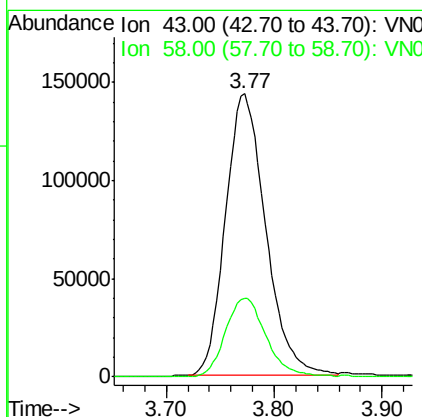
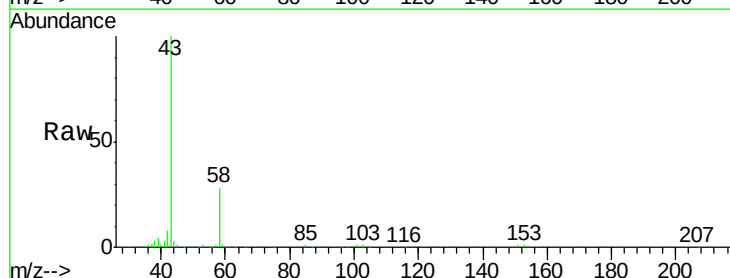
RT: 3.77 min Scan# 632

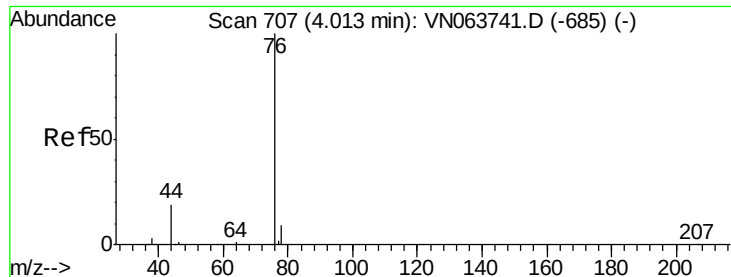
Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion:	43	Resp:	373263
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





#17

Carbon Disulfide

Concen: 48.026 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 349314

Ion Ratio Lower Upper

76 100

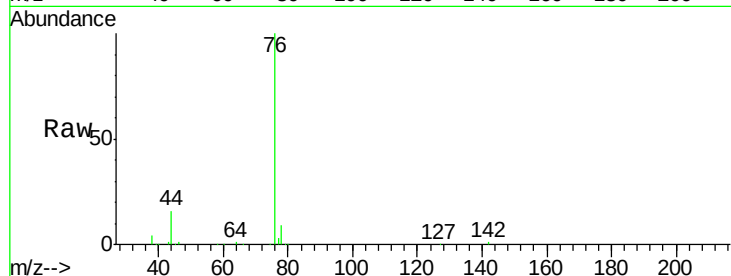
78 9.0 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)

4.01

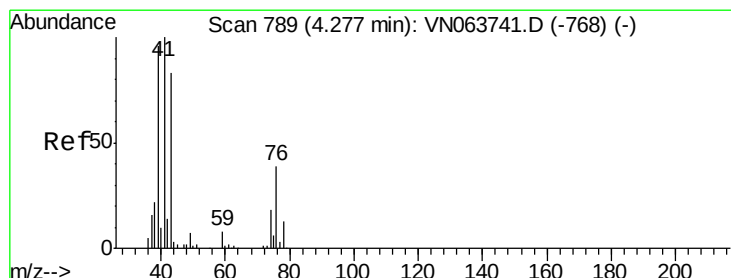
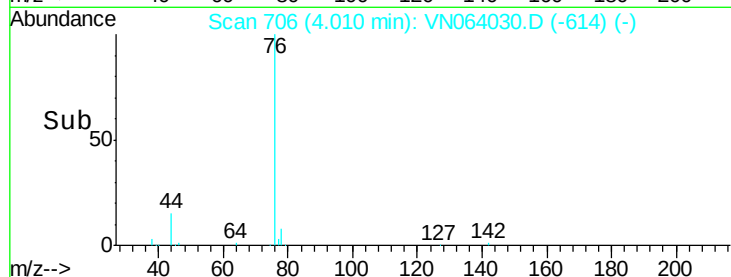
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 63.510 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064030.D

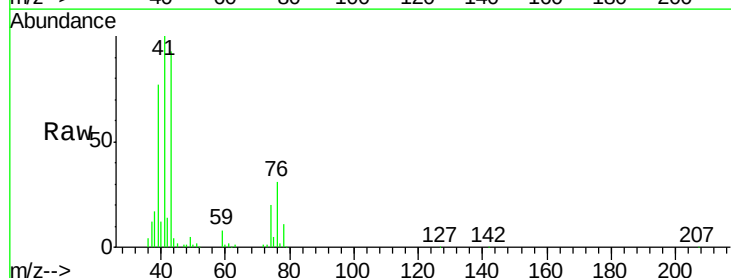
Acq: 9 Oct 2020 8:52

Tgt Ion: 43 Resp: 224236

Ion Ratio Lower Upper

43 100

74 21.0 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN063741.D (-768) (-)

4.28

80000

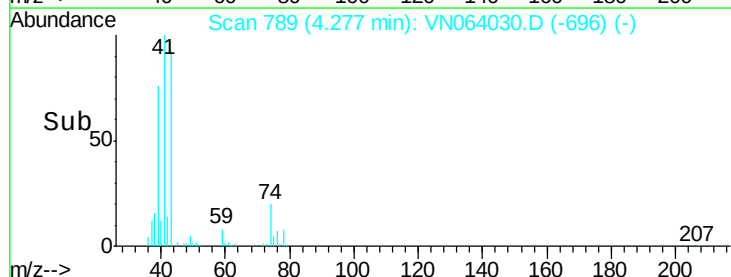
60000

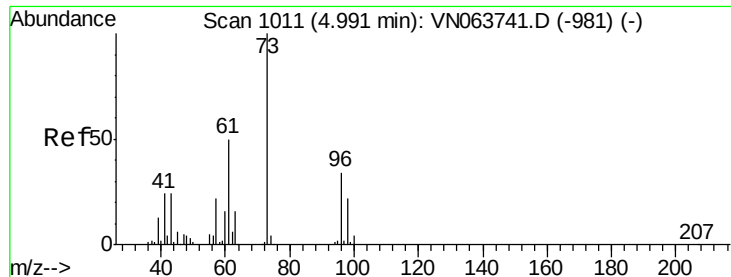
40000

20000

0

Time-->





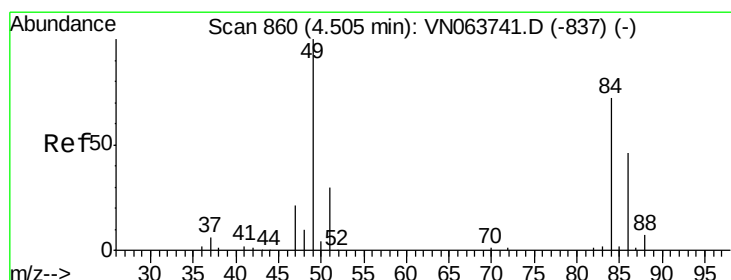
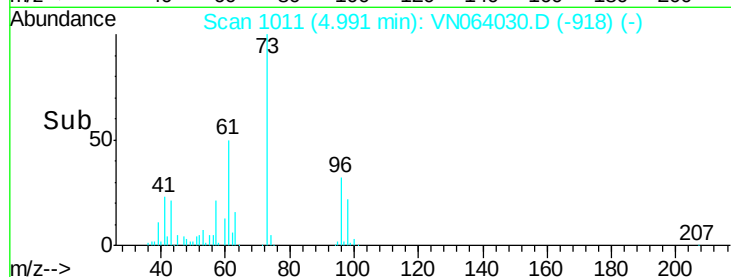
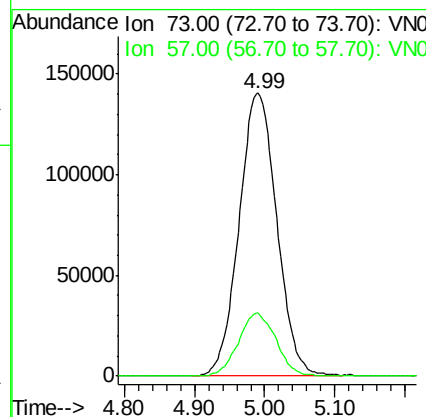
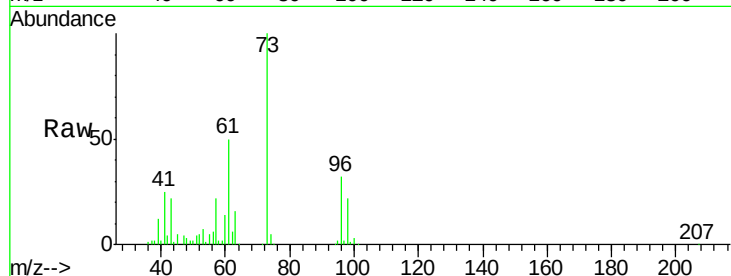
#19
Methvl tert-butyl Ether
Concen: 53.633 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 524664
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4

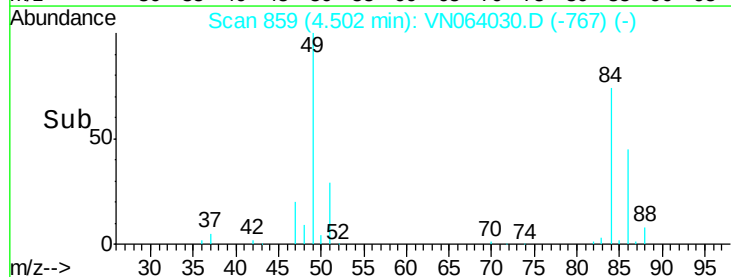
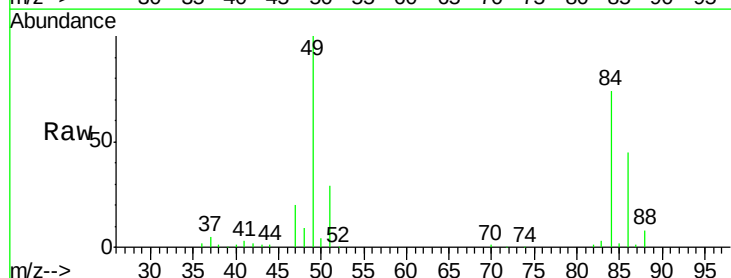
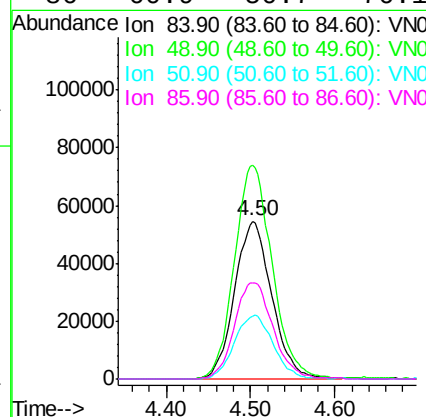
Manual Integrations
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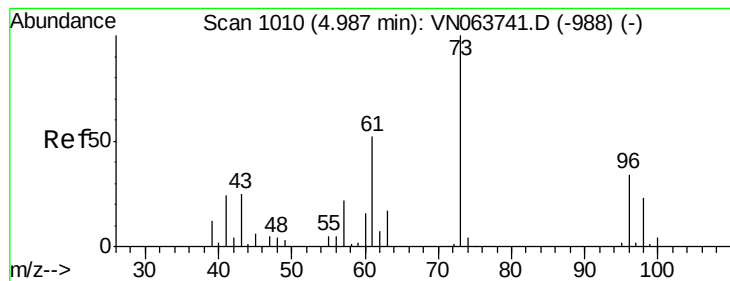
MMDadoda
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#20
Methylene Chloride
Concen: 53.868 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion: 84 Resp: 167808
Ion Ratio Lower Upper
84 100
49 134.9 110.4 165.6
51 39.8 33.3 49.9
86 60.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 48.996 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 147770

Ion Ratio Lower Upper

96 100

61 148.3 120.2 180.2

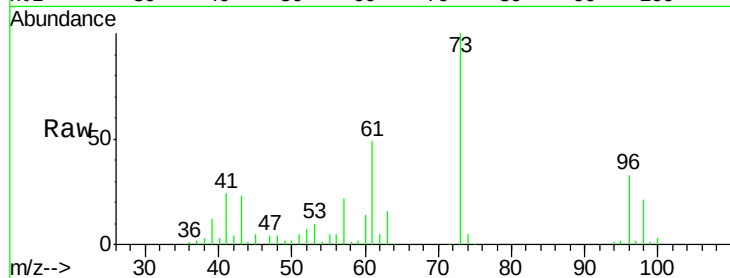
98 62.0 52.6 79.0

Manual Integrations

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MMDadoda

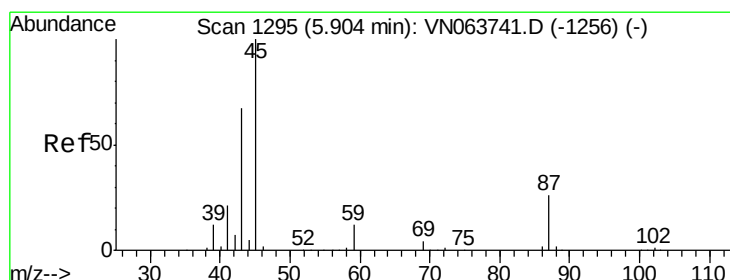
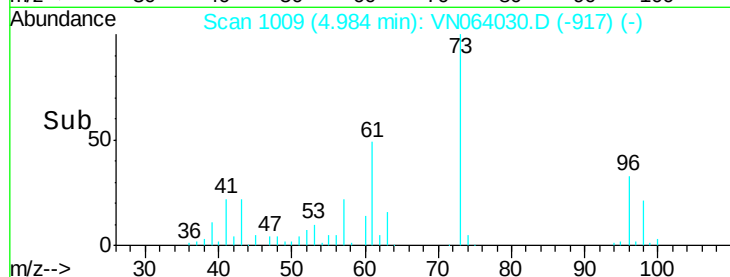
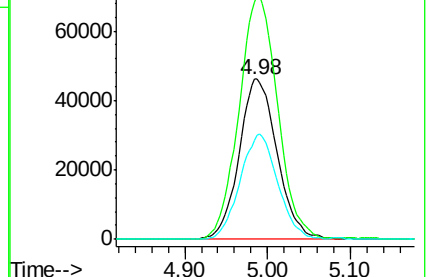
10/9/2020 4:53:29 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064030.D (-1202) (-)

Ion 60.90 (60.60 to 61.60): VN064030.D (-1202) (-)

Ion 97.90 (97.60 to 98.60): VN064030.D (-1202) (-)



#22

Diisopropyl ether

Concen: 58.690 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion: 45 Resp: 604038

Ion Ratio Lower Upper

45 100

43 62.3 53.7 80.5

87 24.3 21.1 31.7

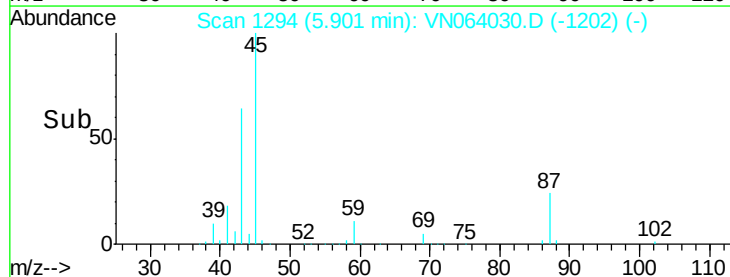
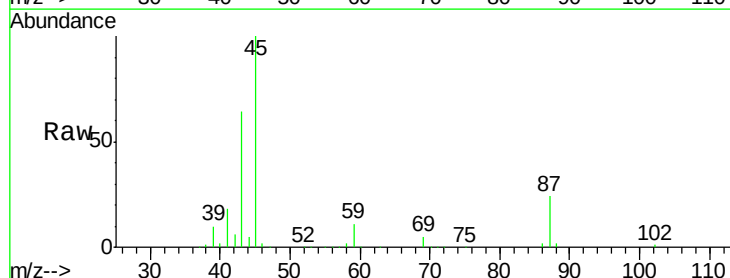
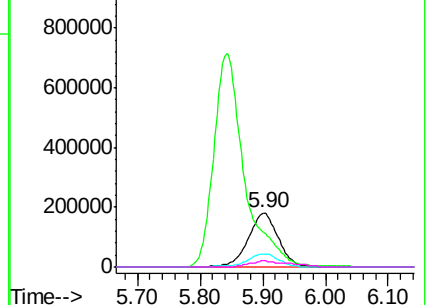
59 11.1 9.2 13.8

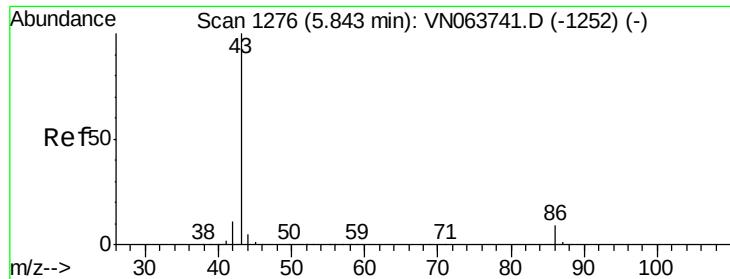
Abundance Ion 45.00 (44.70 to 45.70): VN064030.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064030.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064030.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064030.D (-1202) (-)





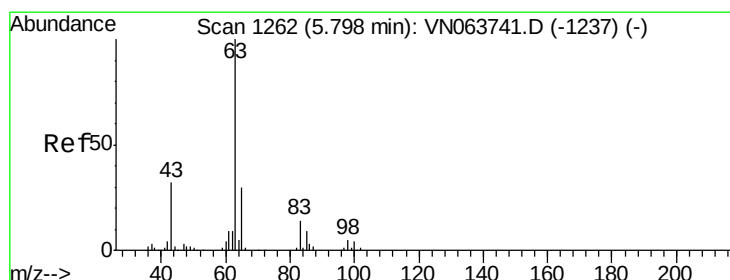
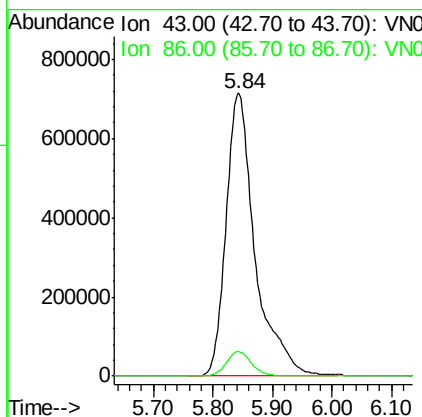
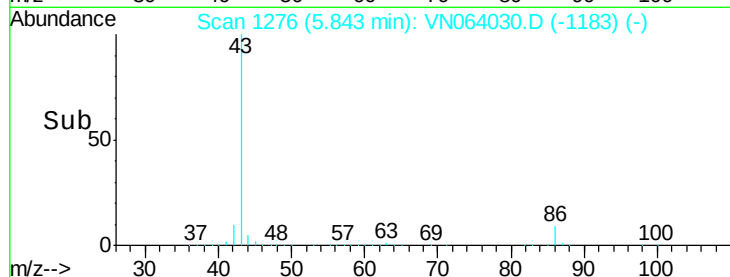
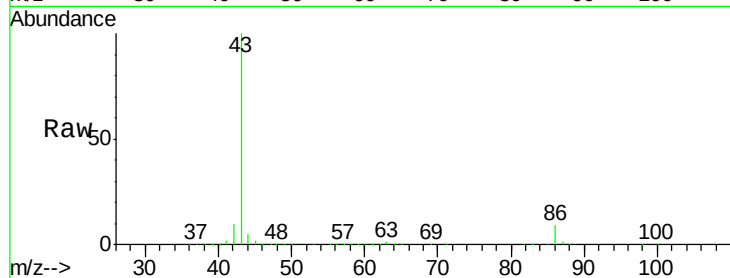
#23
 Vinyl Acetate
 Concen: 283.941 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2420734
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.3 10.9

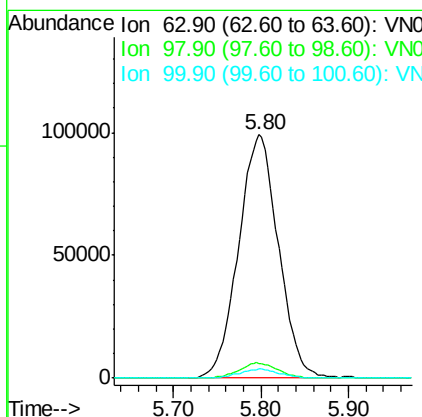
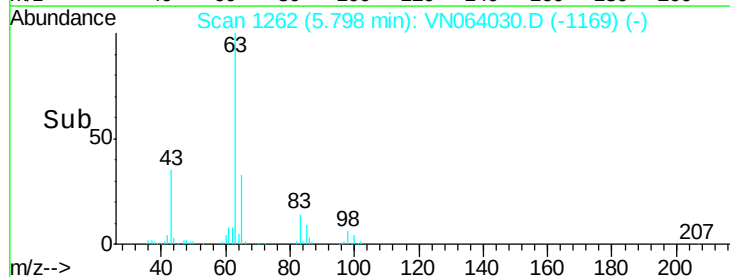
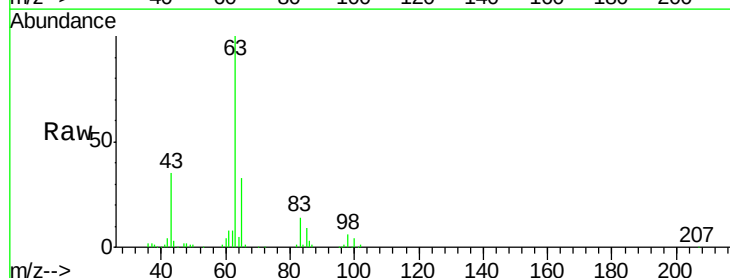
Manual Integrations
 APPROVED

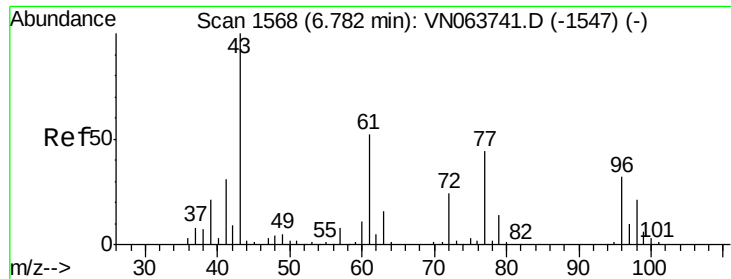
MMDadoda
 10/9/2020 4:53:29 PM



#24
 1,1-Dichloroethane
 Concen: 53.184 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion: 63 Resp: 312969
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.7 8.1
 100 3.7 1.9 5.7





#25

2-Butanone

Concen: 309.144 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 596012

Ion Ratio Lower Upper

43 100

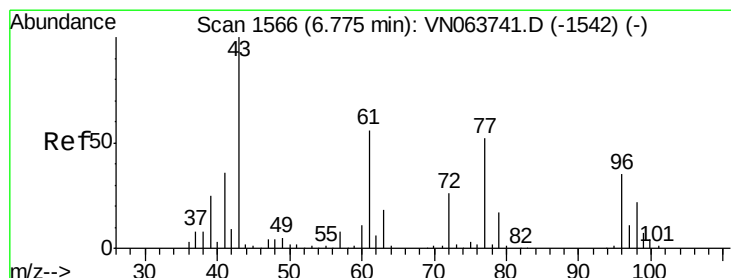
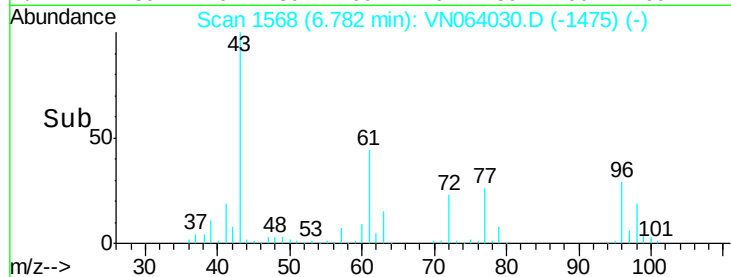
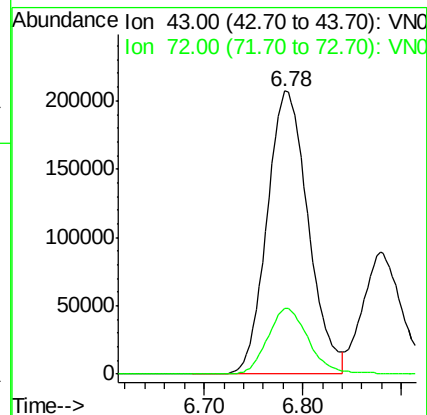
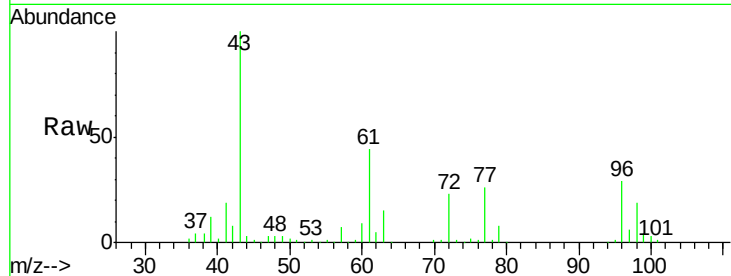
72 23.3 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:53:29 PM



#26

2,2-Dichloropropane

Concen: 33.730 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064030.D

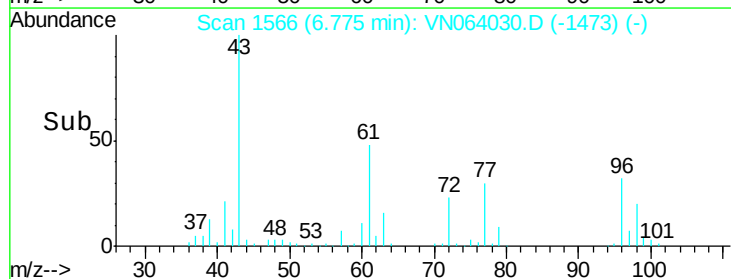
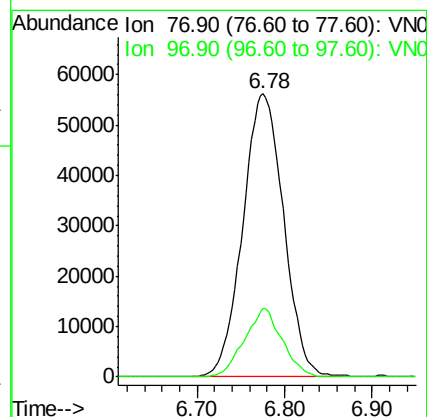
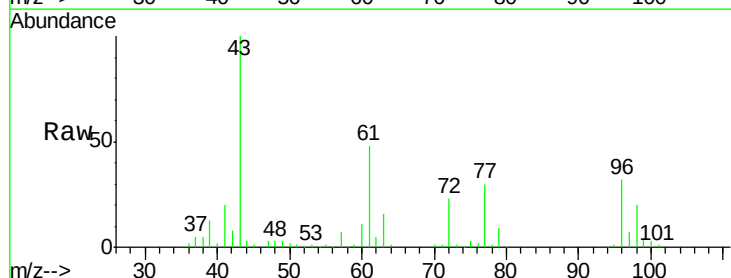
Acq: 9 Oct 2020 8:52

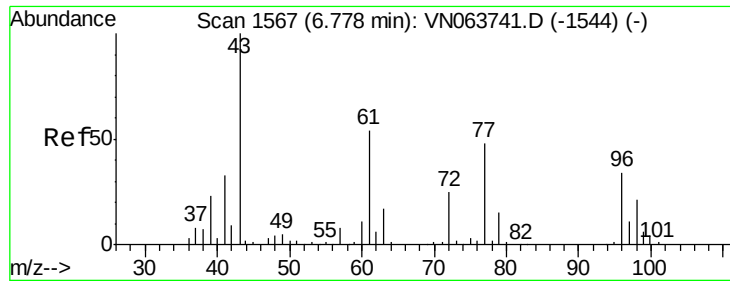
Tgt Ion: 77 Resp: 181773

Ion Ratio Lower Upper

77 100

97 22.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 51.118 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

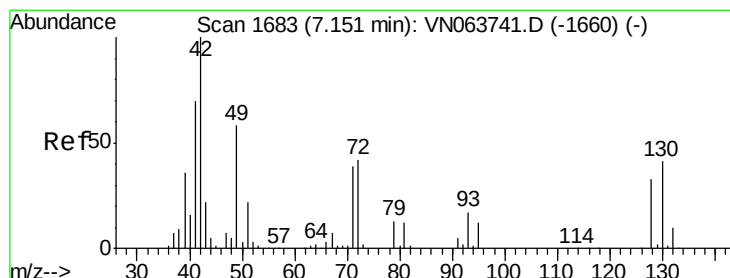
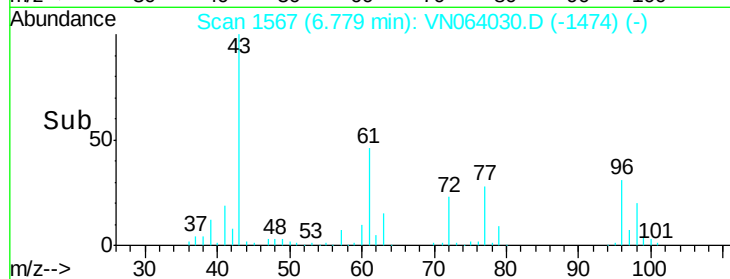
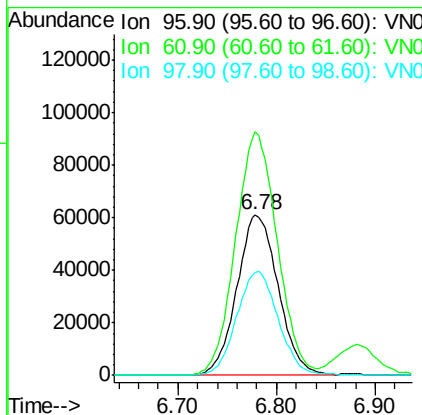
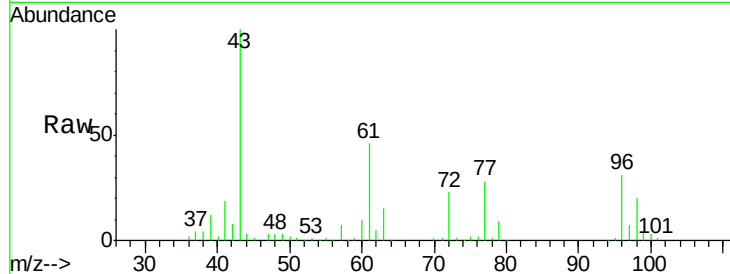
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	177312
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	321.2
98	65.1	0.0	124.4

Manual Integrations
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#28

Bromochloromethane

Concen: 55.256 ug/l

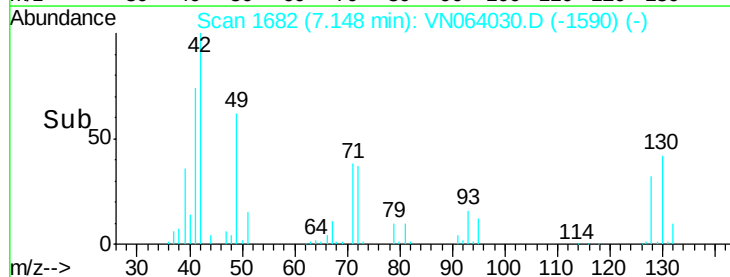
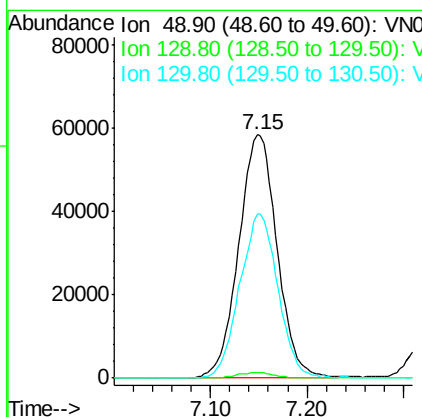
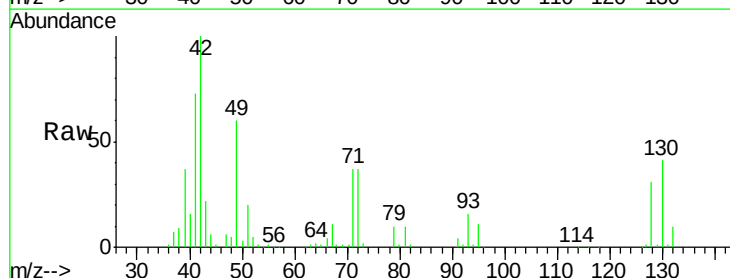
RT: 7.15 min Scan# 1682

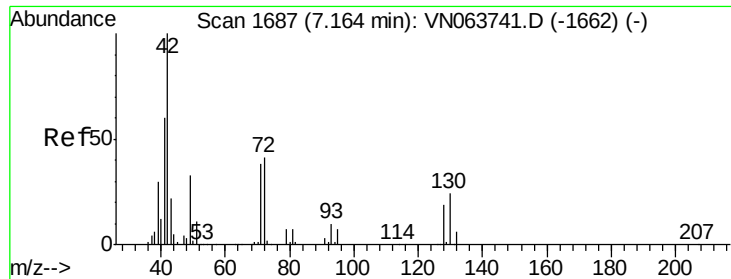
Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion:	49	Resp:	160712
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	67.2	55.6	83.4





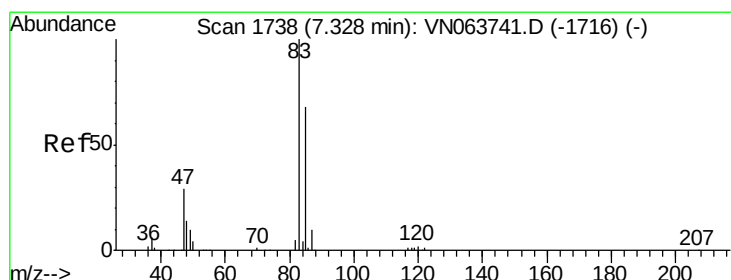
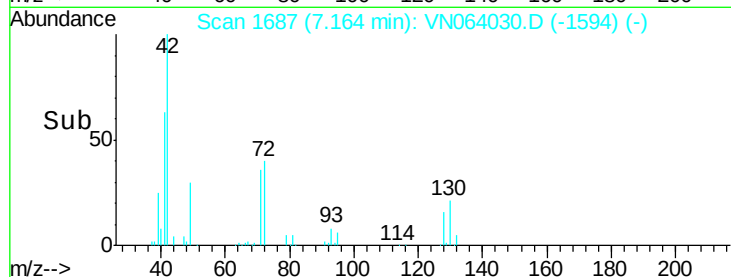
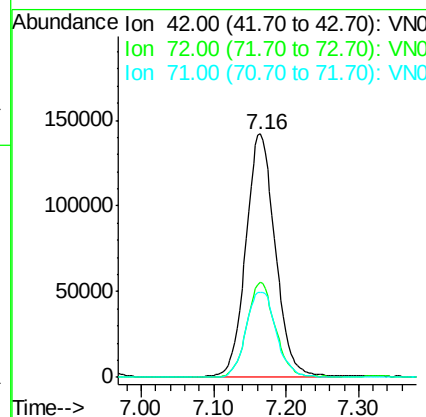
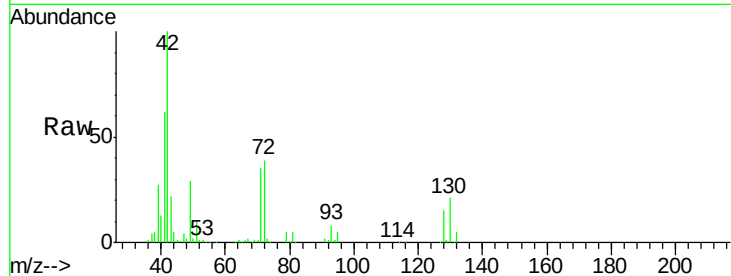
#29
Tetrahydrofuran
Concen: 309.616 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	32.8	49.2
71	36.2	30.6	45.8

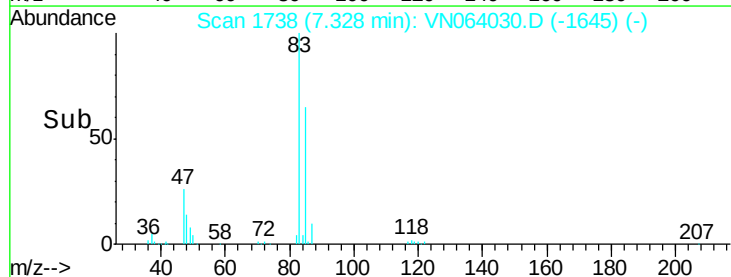
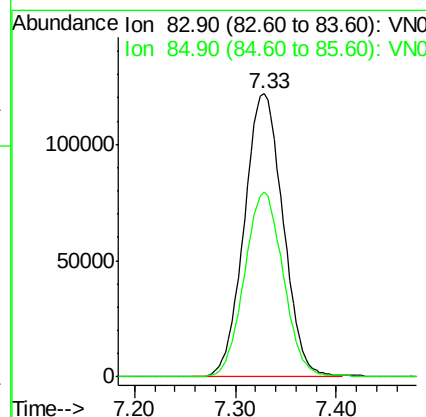
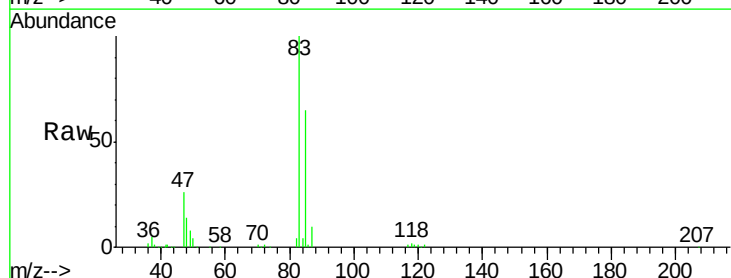
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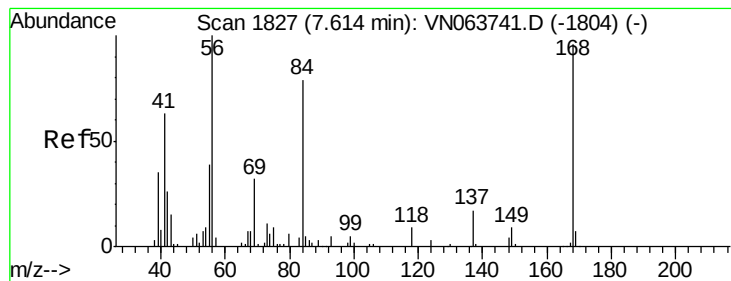
MMDadoda
10/9/2020 4:53:29 PM



#30
Chloroform
Concen: 53.033 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.6	82.0





#31

Cyclohexane

Concen: 48.532 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 248898

Ion Ratio Lower Upper

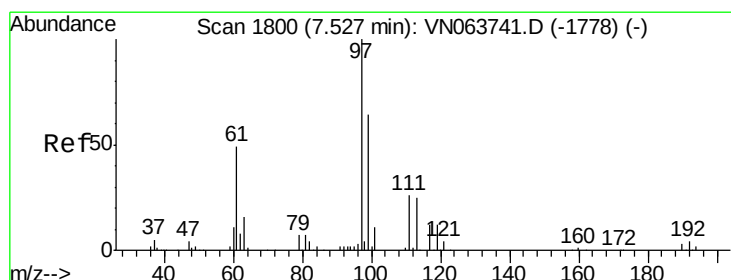
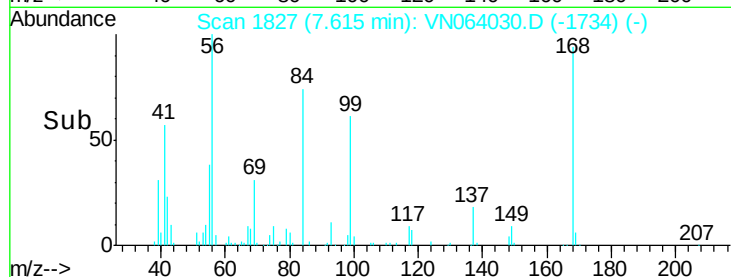
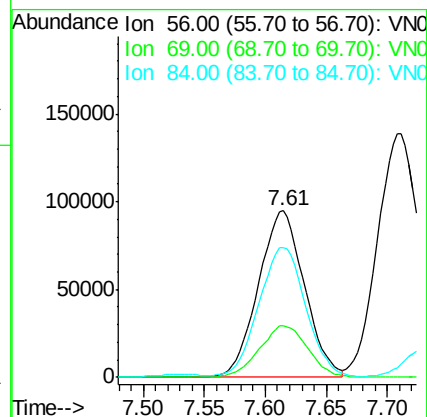
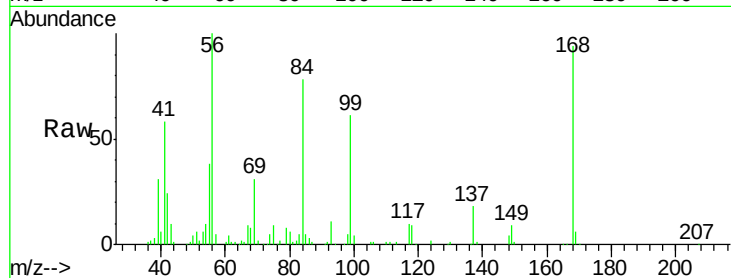
56 100

69 30.9 25.4 38.2

84 76.6 63.3 94.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 51.508 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

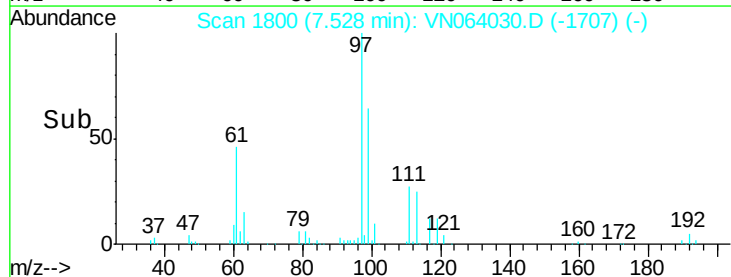
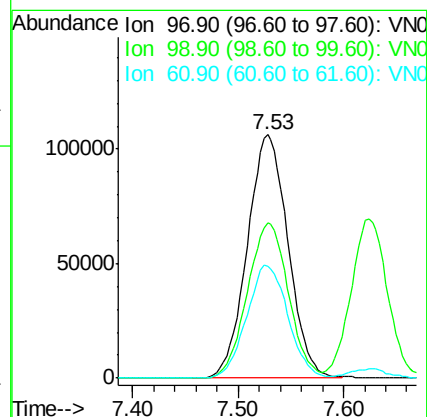
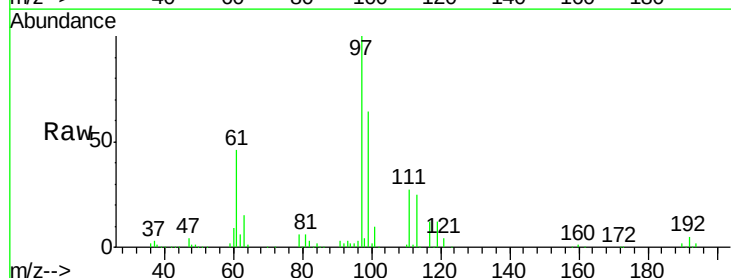
Tgt Ion: 97 Resp: 285066

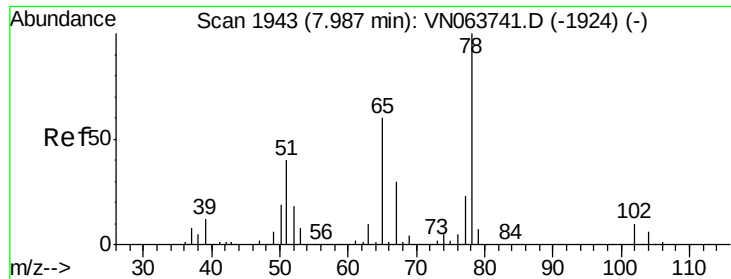
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 47.0 38.7 58.1





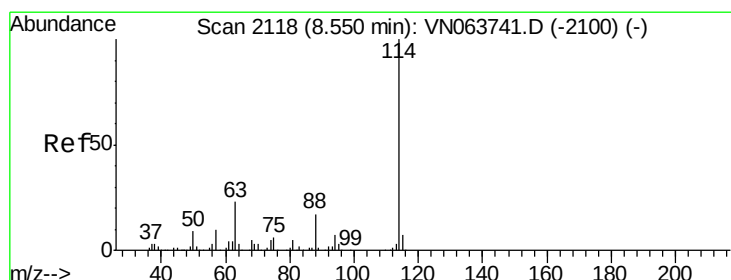
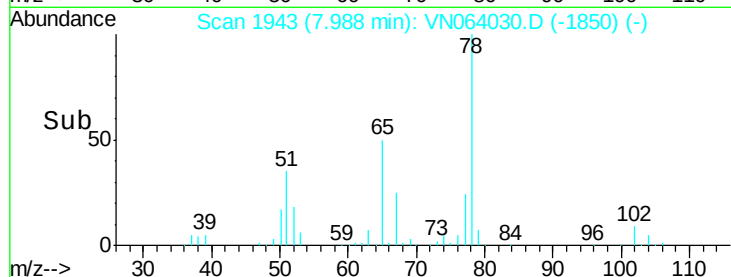
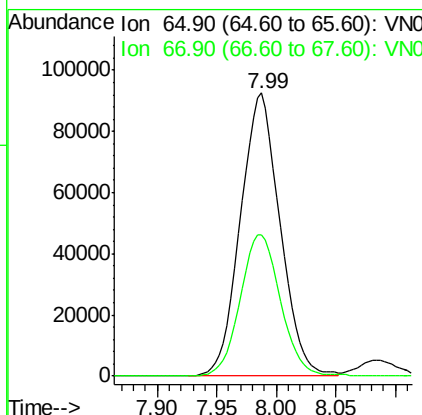
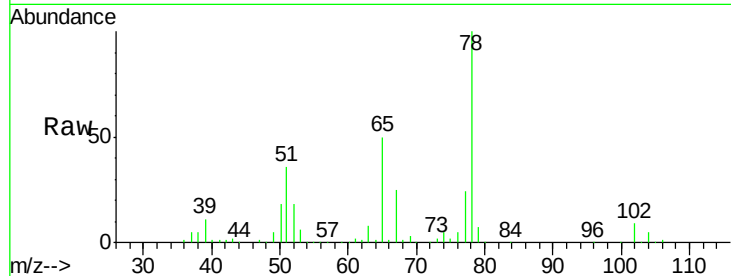
#33
 1,2-Dichloroethane-d4
 Concen: 48.391 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213769		
67	50.4	0.0	99.6	

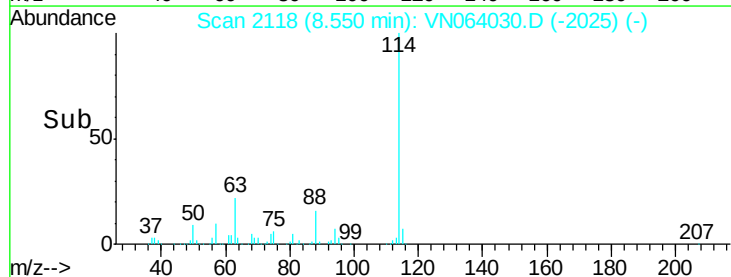
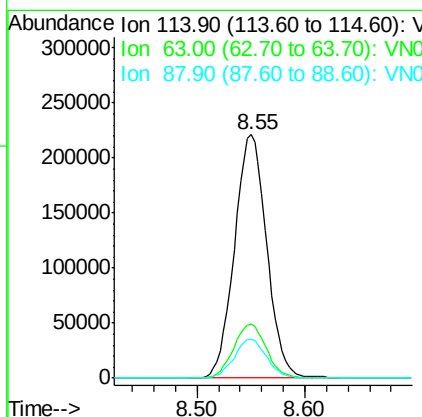
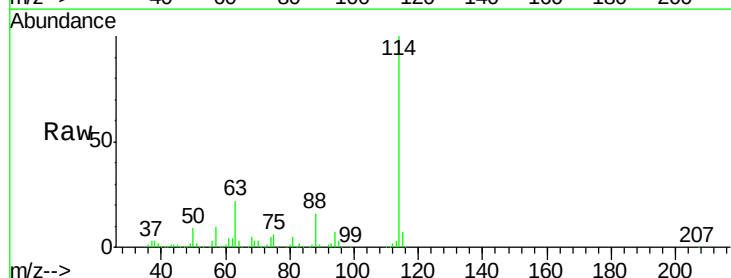
Manual Integrations
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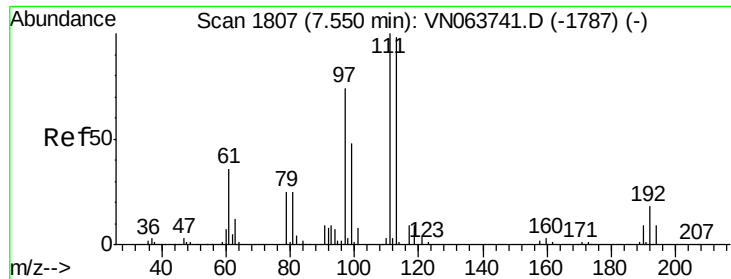
MMDadoda
 10/9/2020 4:53:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	460505		
63	22.2	0.0	45.0	
88	16.2	0.0	34.0	





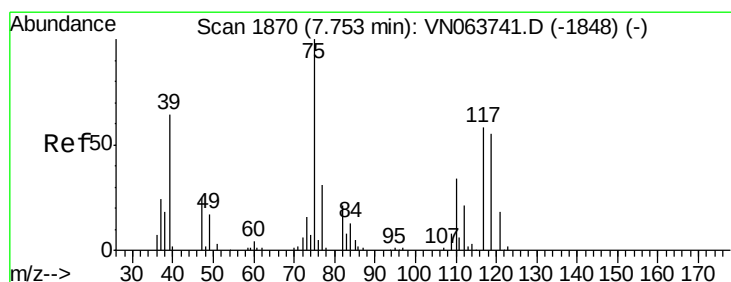
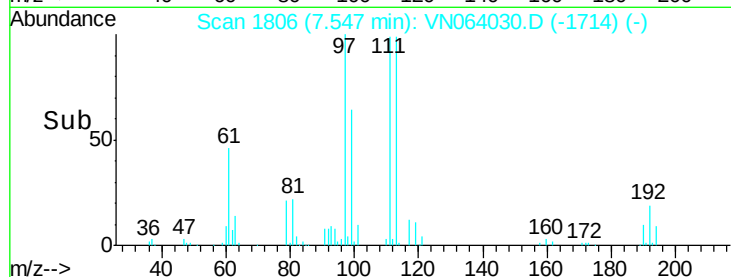
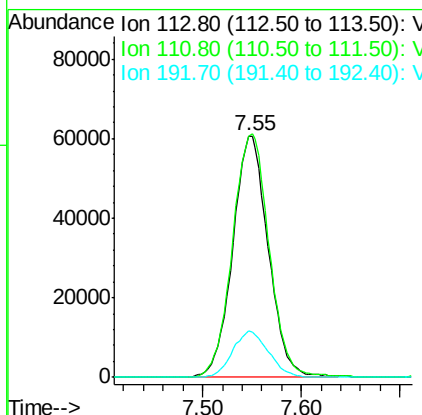
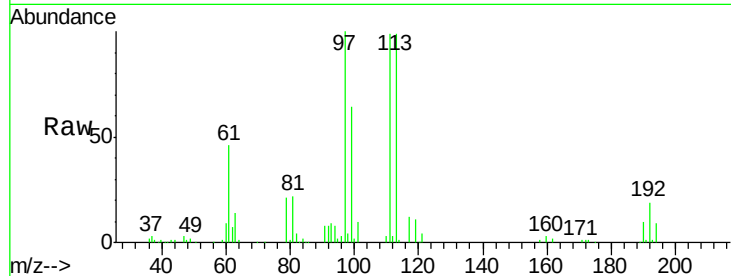
#35
 Dibromofluoromethane
 Concen: 47.469 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151679		
111	104.0	81.8	122.8	
192	19.2	14.2	21.2	

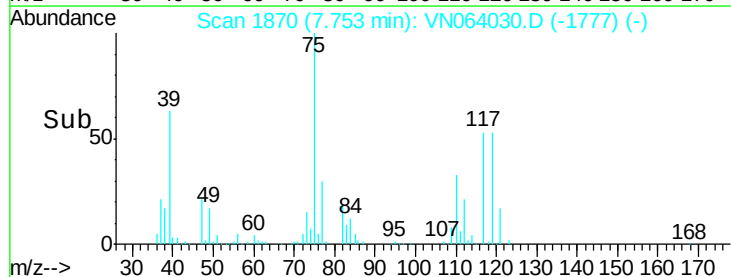
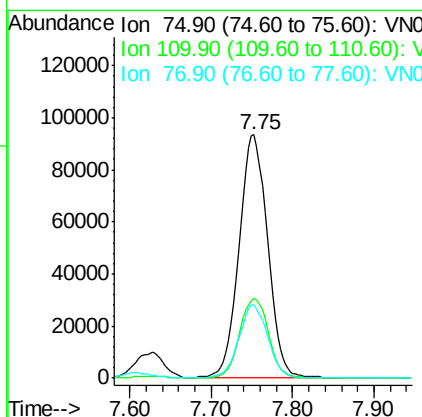
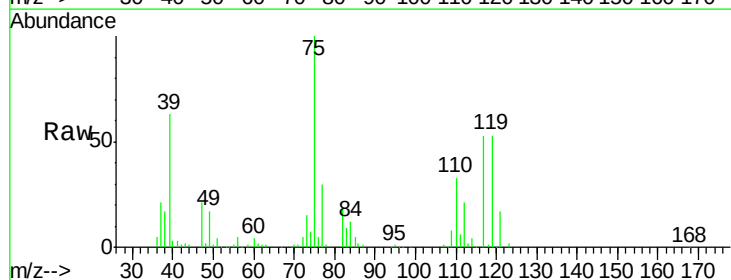
Manual Integrations
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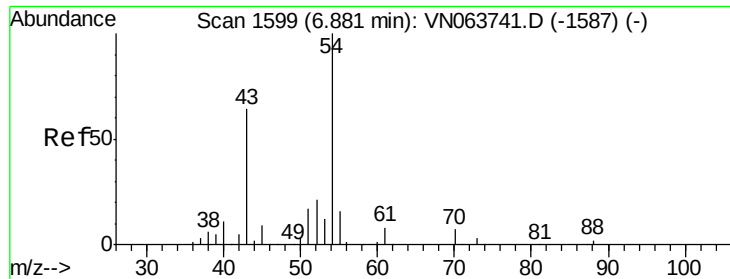
MMDadoda
 10/9/2020 4:53:29 PM



#36
 1,1-Dichloropropene
 Concen: 48.317 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225415		
110	33.1	16.9	50.6	
77	30.6	24.5	36.7	





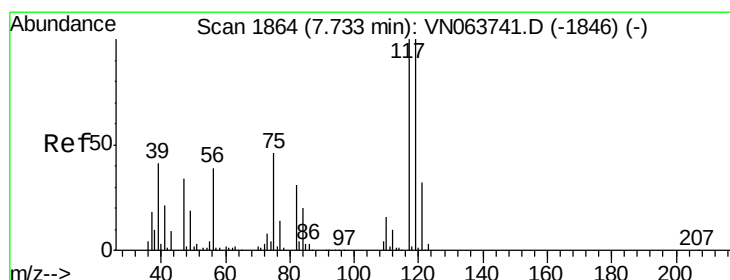
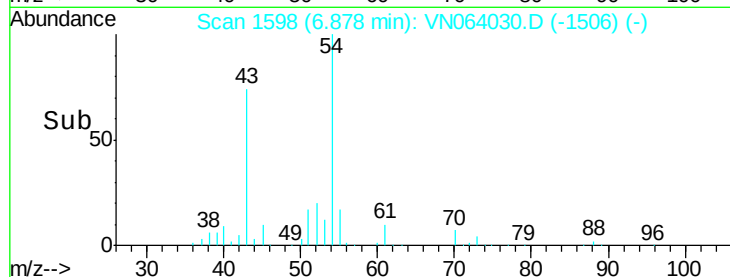
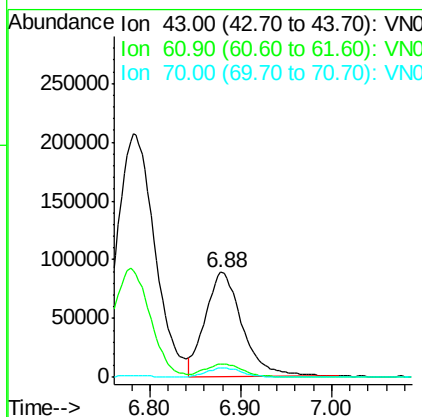
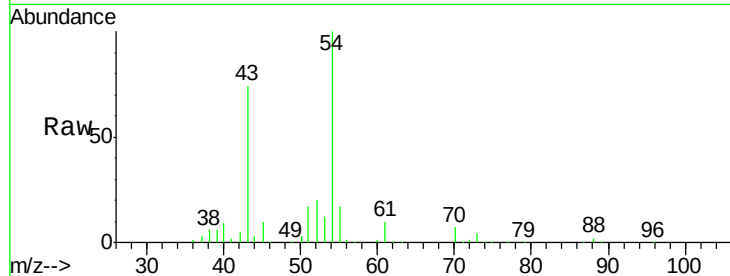
#37
Ethyl Acetate
Concen: 54.058 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.4	15.6
70	8.9	7.3	10.9

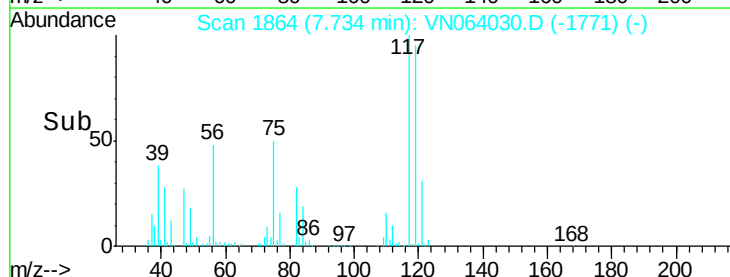
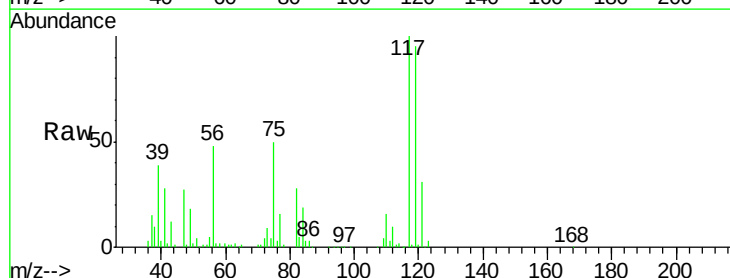
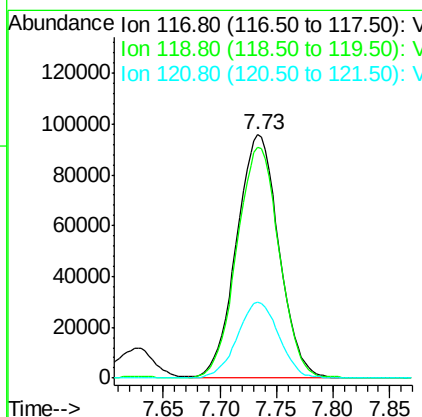
Manual Integrations
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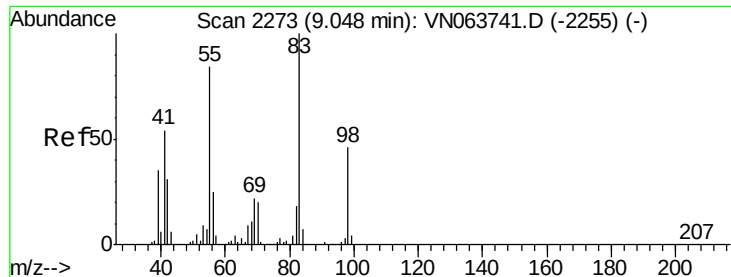
MMDadoda
10/9/2020 4:53:29 PM



#38
Carbon Tetrachloride
Concen: 47.377 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	80.1	120.1
121	31.3	25.7	38.5





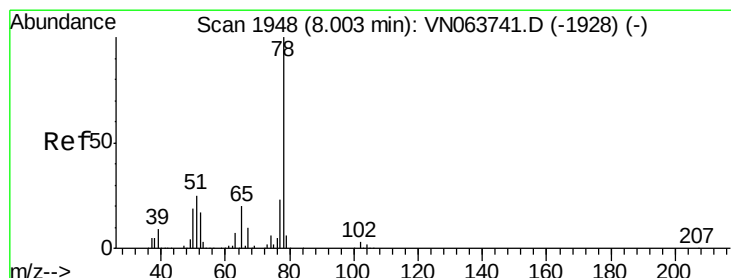
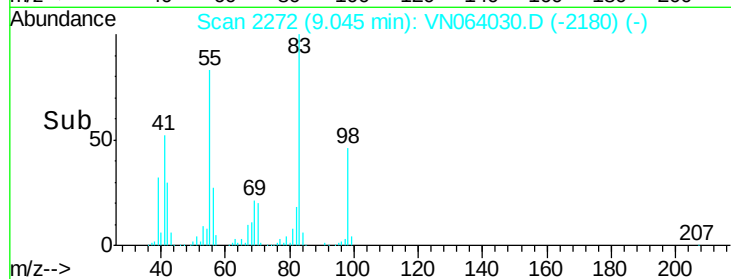
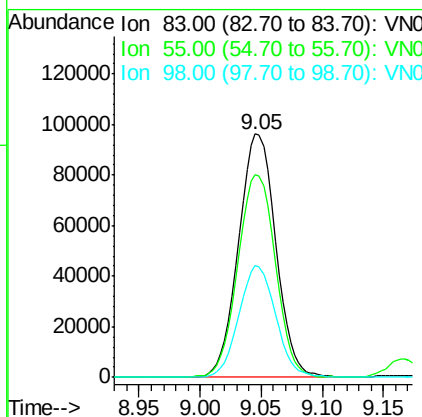
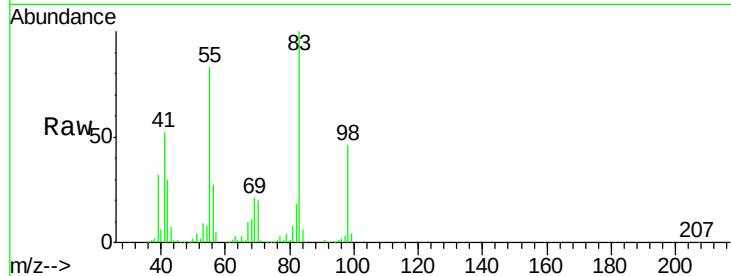
#39
Methylvlcyclohexane
Concen: 43.761 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	67.1	100.7
98	46.1	36.6	54.8

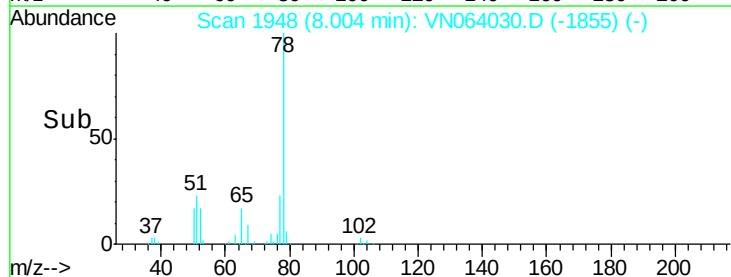
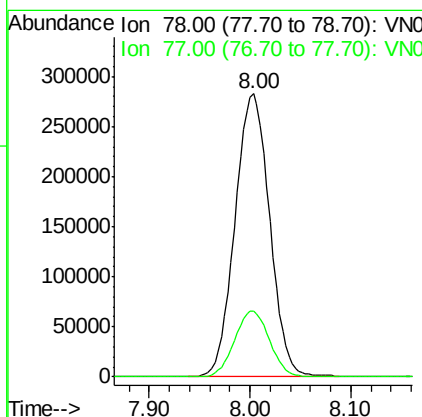
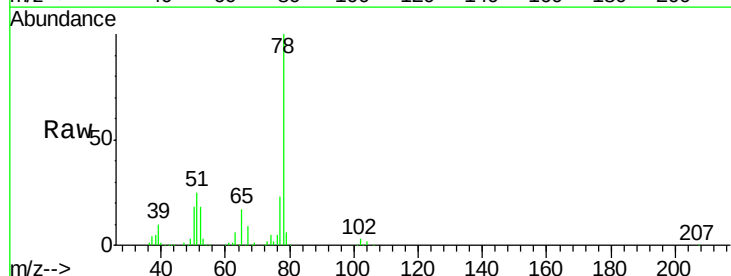
Manual Integrations
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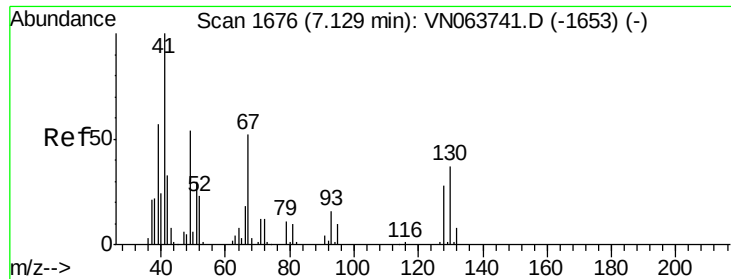
MMDadoda
10/9/2020 4:53:29 PM



#40
Benzene
Concen: 50.651 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





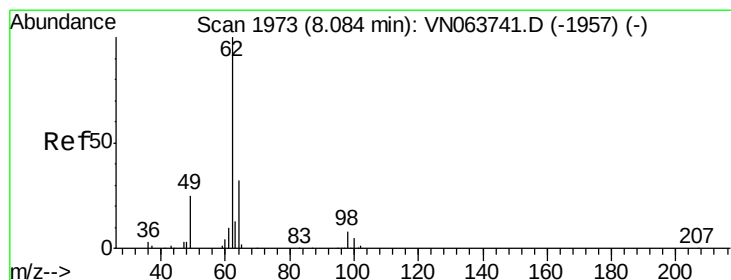
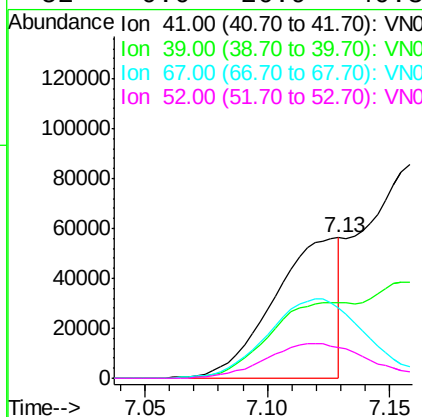
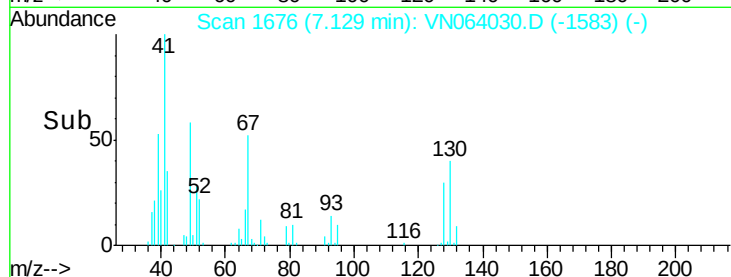
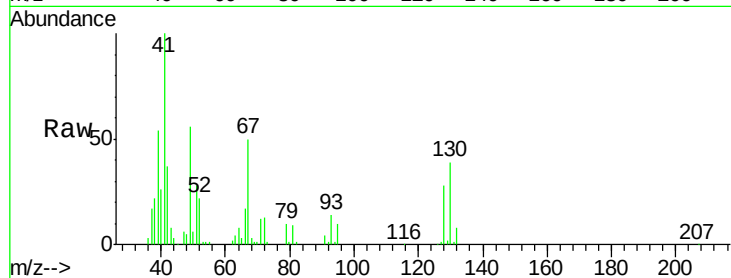
#41
Methacrylonitrile
Concen: 50.993 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

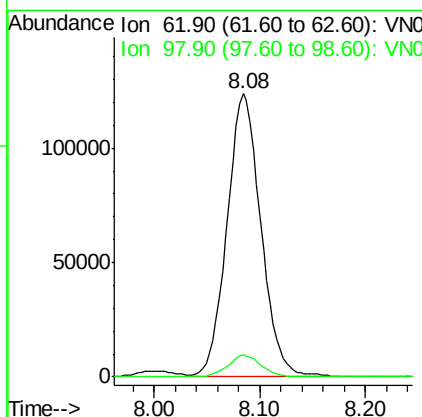
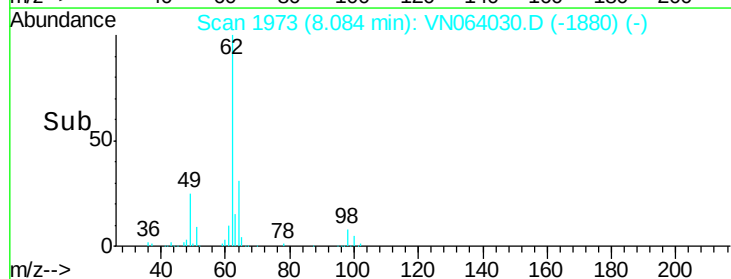
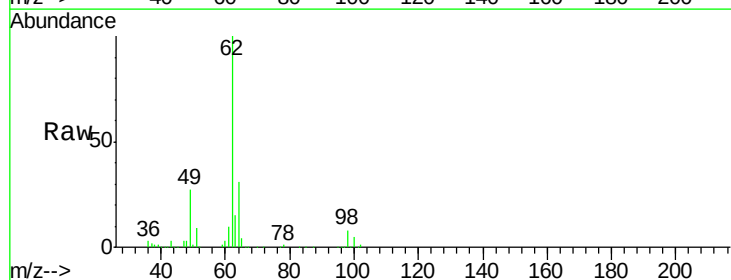
Manual Integrations
APPROVED

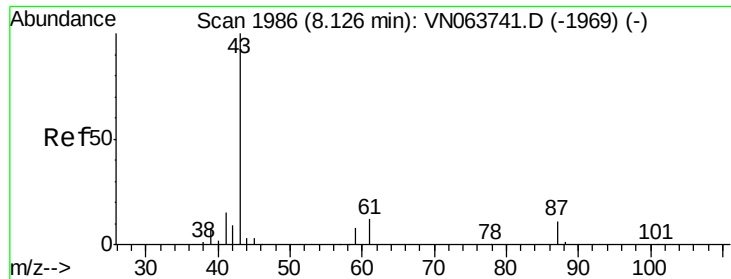
MMDadoda
10/9/2020 4:53:29 PM



#42
1,2-Dichloroethane
Concen: 48.061 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.0





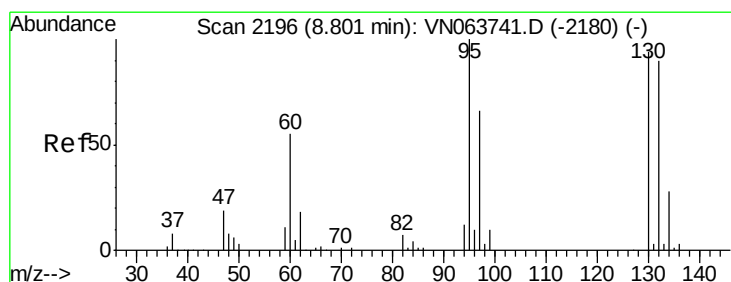
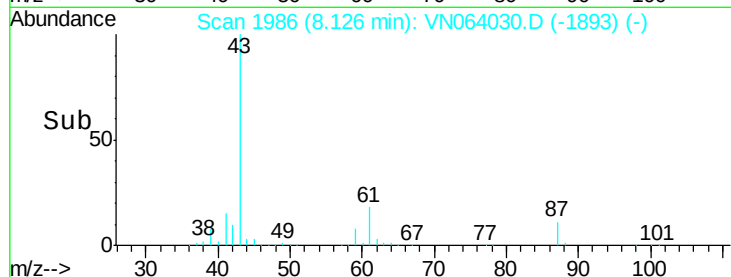
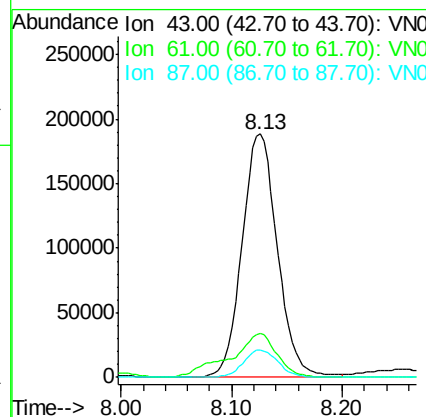
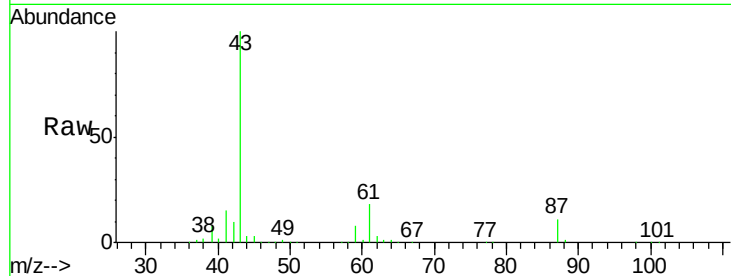
#43
Isopropyl Acetate
Concen: 54.429 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	14.2	21.4#
87	11.1	9.0	13.6

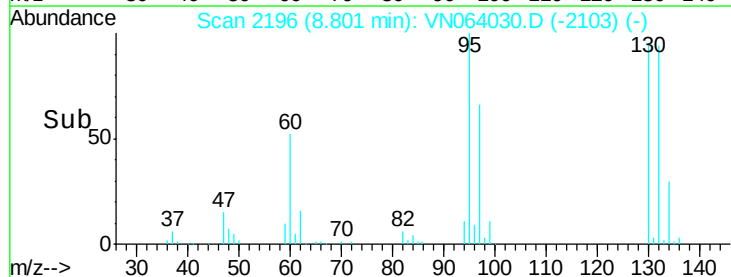
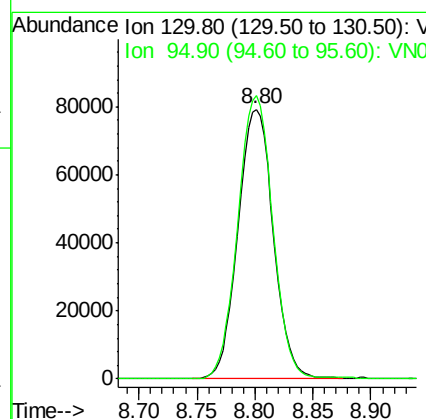
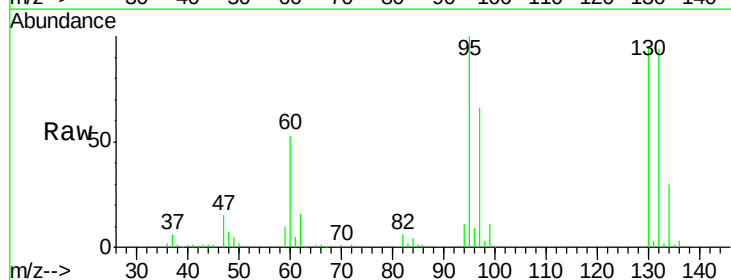
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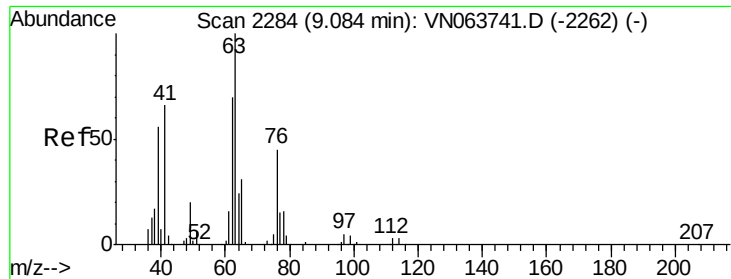
MMDadoda
10/9/2020 4:53:29 PM



#44
Trichloroethene
Concen: 48.057 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	213.6





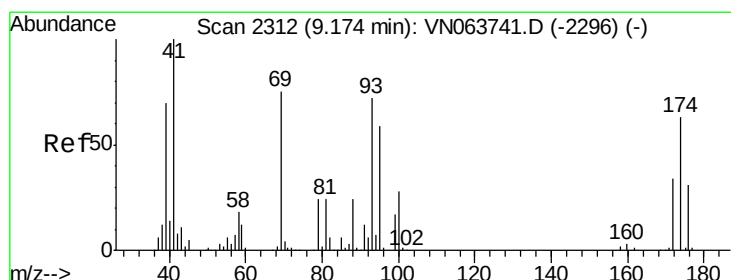
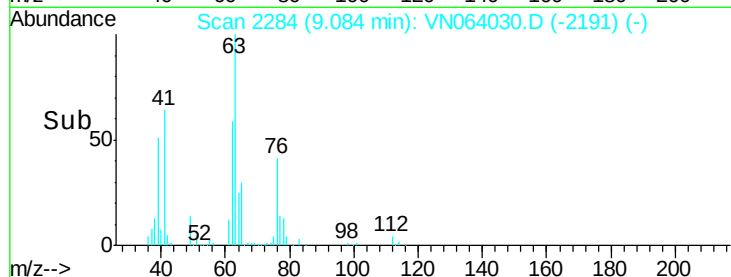
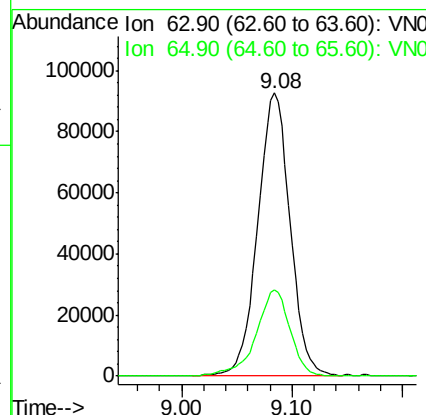
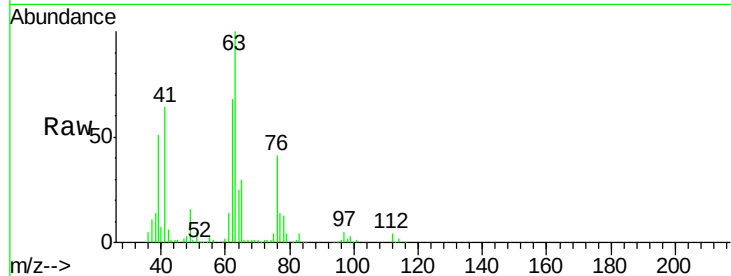
#45
 1,2-Dichloropropane
 Concen: 52.555 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 189133
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1

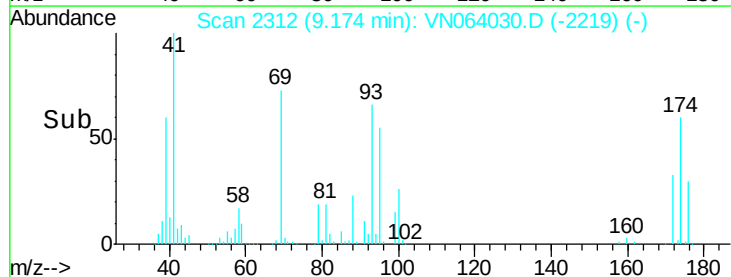
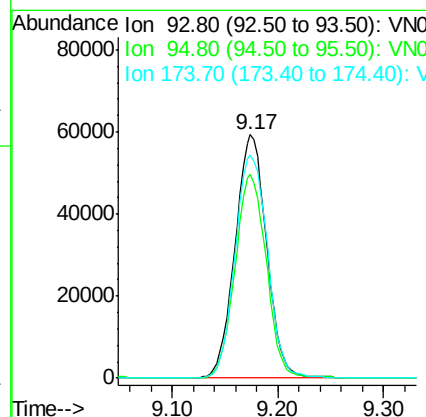
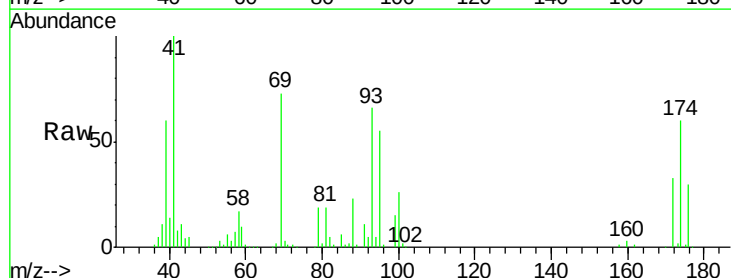
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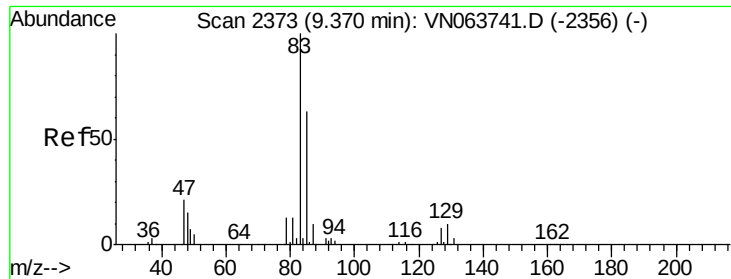
MMDadoda
 10/9/2020 4:53:29 PM



#46
 Dibromomethane
 Concen: 49.610 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion: 93 Resp: 123163
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.3 99.5
 174 94.1 72.7 109.1





#47

Bromodichloromethane

Concen: 50.785 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

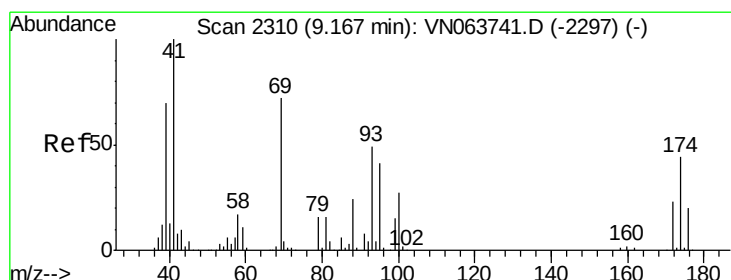
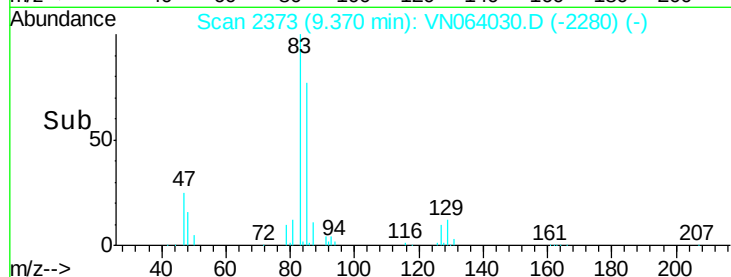
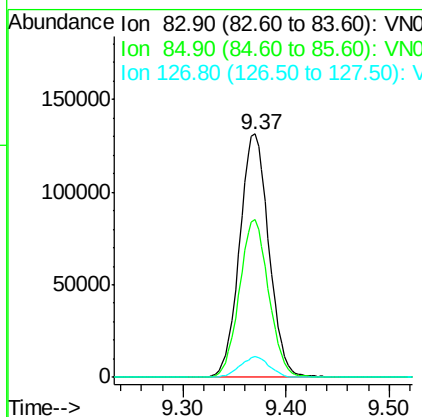
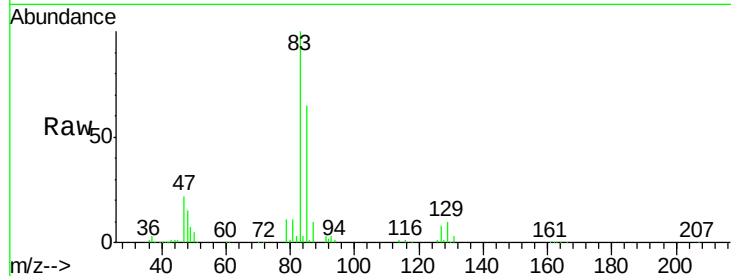
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	259845
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.6	75.8
127	8.4	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.704 ug/l

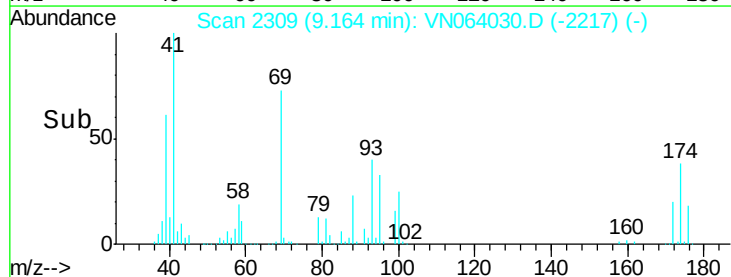
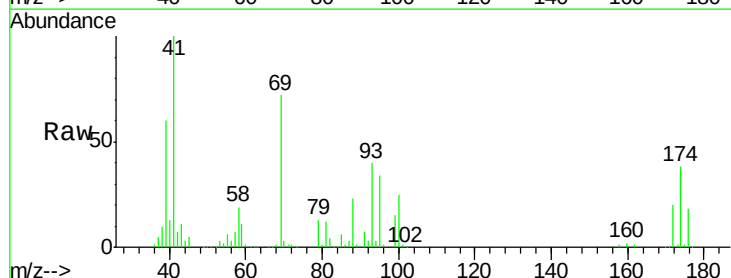
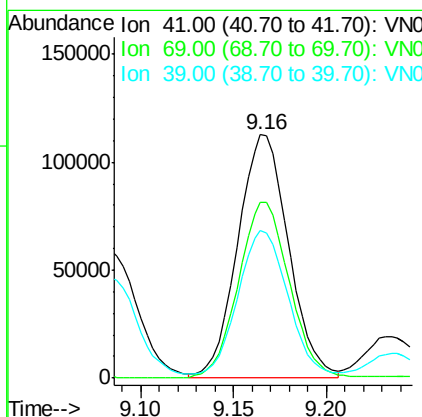
RT: 9.16 min Scan# 2309

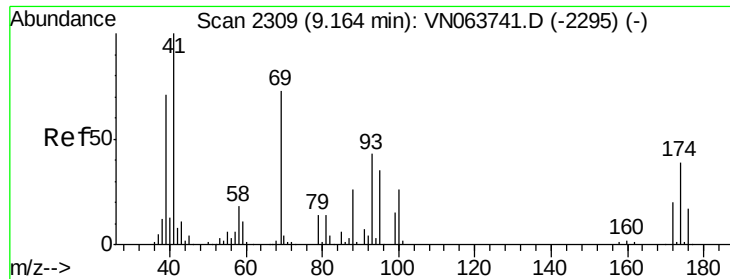
Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion:	41	Resp:	214190
Ion Ratio	Lower	Upper	
41	100		
69	73.4	60.9	91.3
39	60.3	57.5	86.3





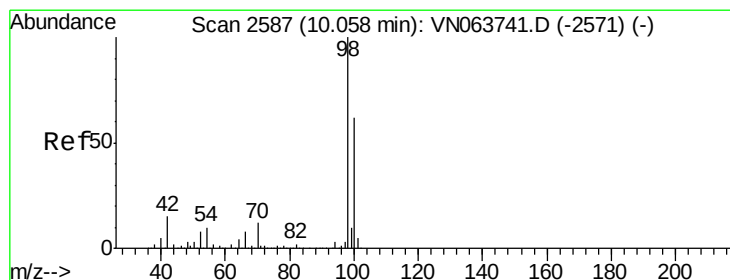
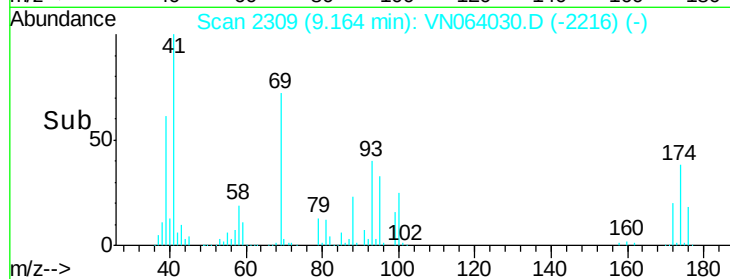
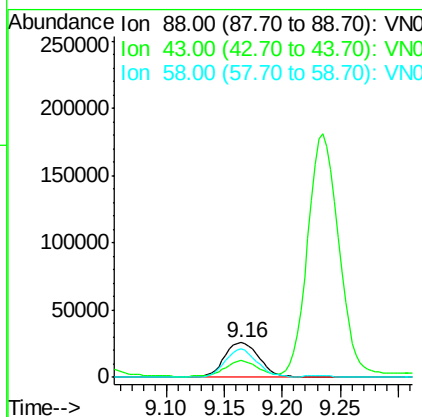
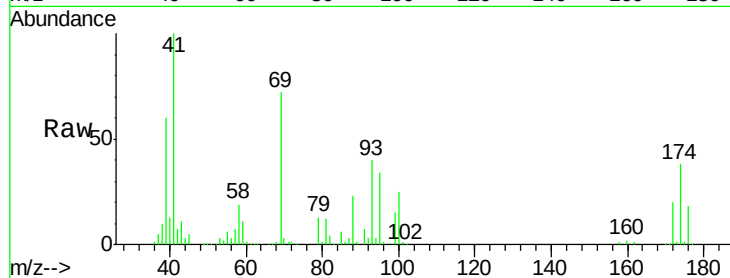
#49
1,4-Dioxane
Concen: 1023.379 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.9	33.1	49.7
58	74.1	58.9	88.3

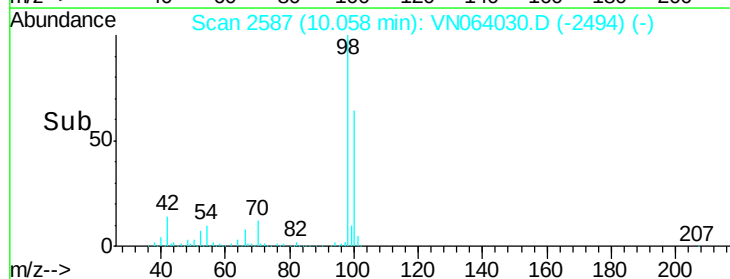
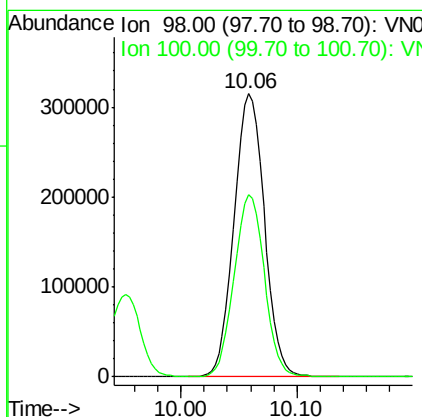
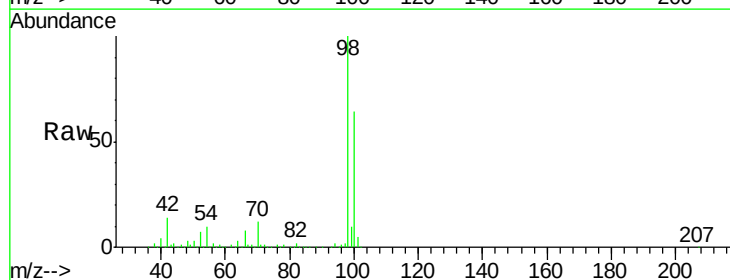
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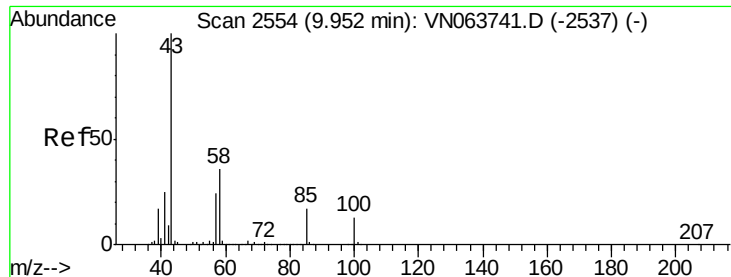
MMDadoda
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#50
Toluene-d8
Concen: 47.199 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.8	74.6





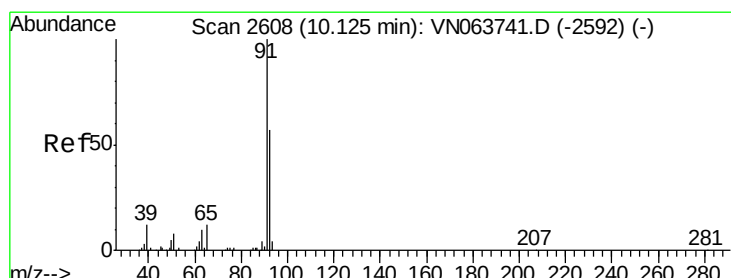
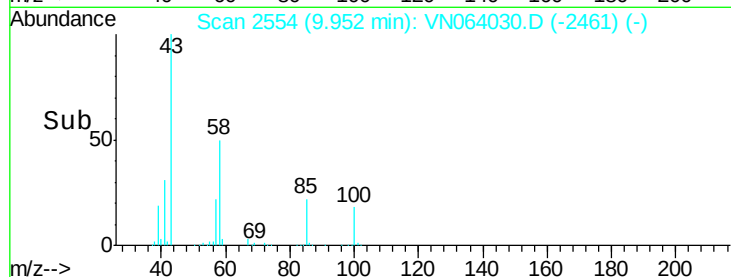
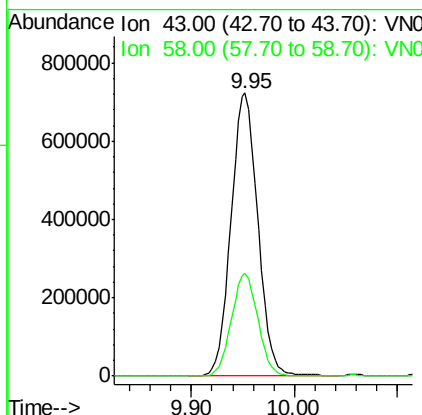
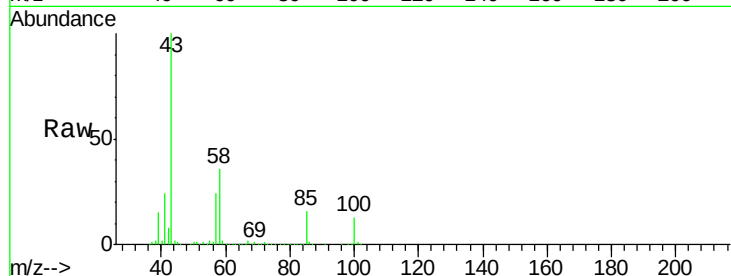
#51
4-Methyl-2-Pentanone
Concen: 291.632 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1308457
Ion Ratio Lower Upper
43 100
58 36.0 28.4 42.6

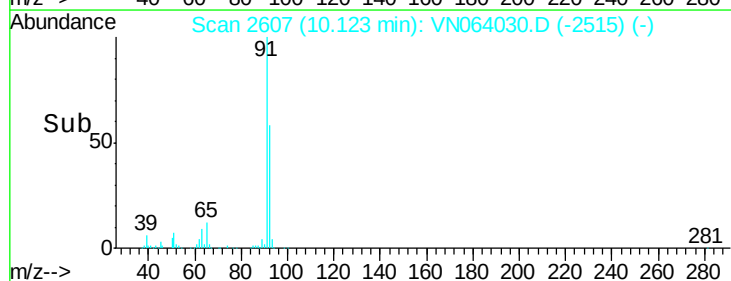
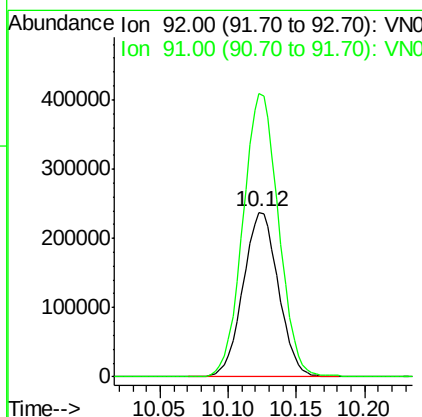
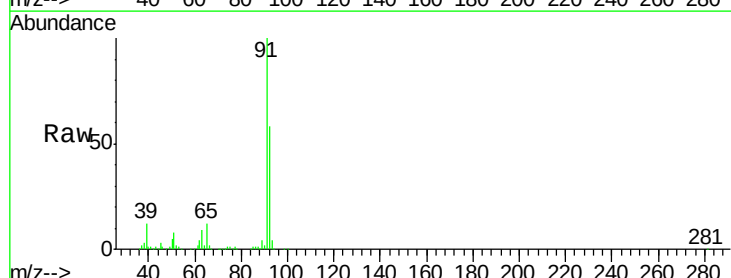
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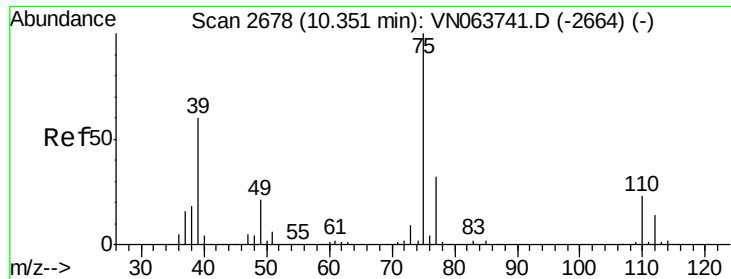
MMDadoda
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#52
Toluene
Concen: 51.836 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion: 92 Resp: 427248
Ion Ratio Lower Upper
92 100
91 173.2 140.6 210.8





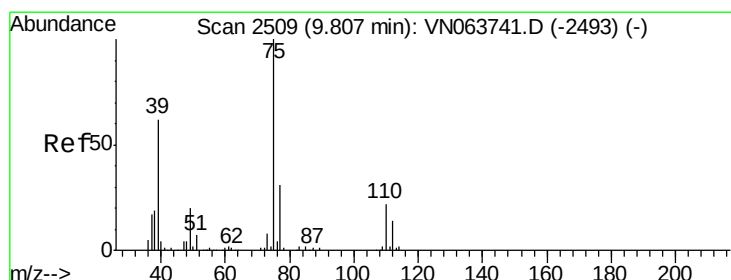
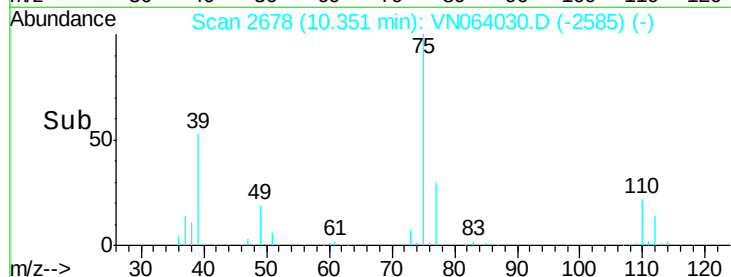
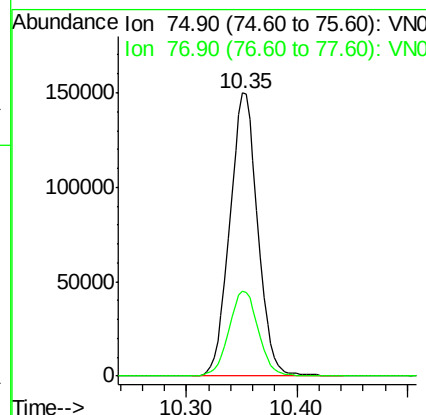
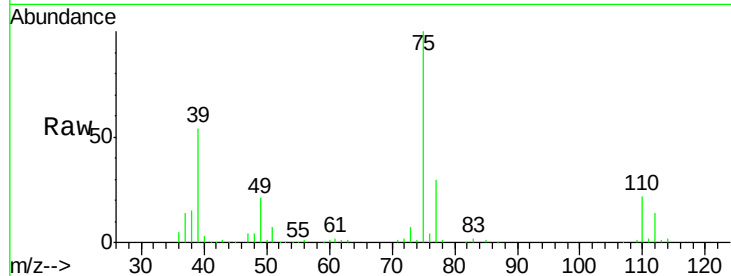
#53
t-1,3-Dichloropropene
Concen: 48.077 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 263682
Ion Ratio Lower Upper
75 100
77 30.0 25.3 37.9

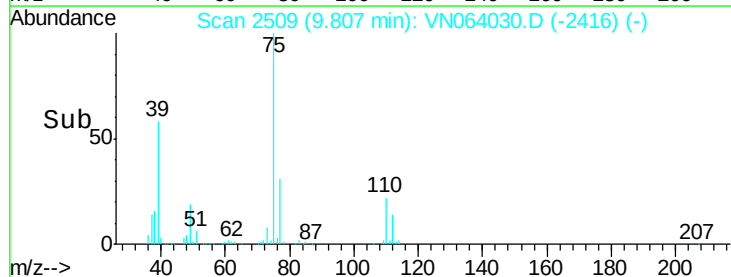
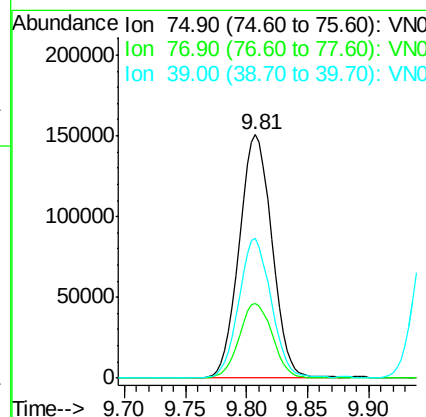
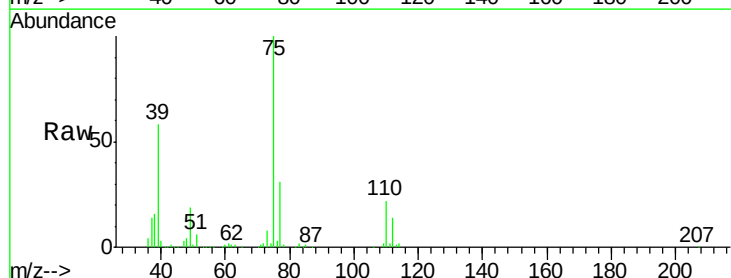
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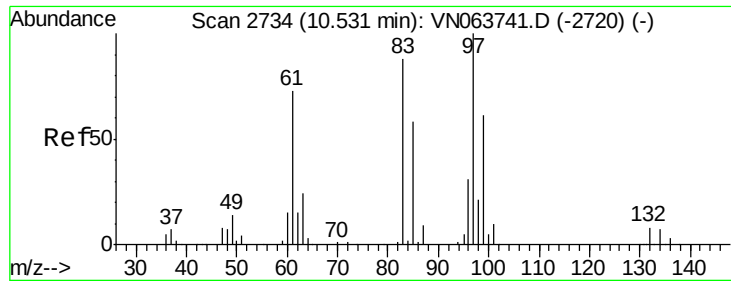
MMDadoda
10/9/2020 4:53:29 PM



#54
cis-1,3-Dichloropropene
Concen: 48.978 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion: 75 Resp: 280935
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8
39 57.4 49.7 74.5





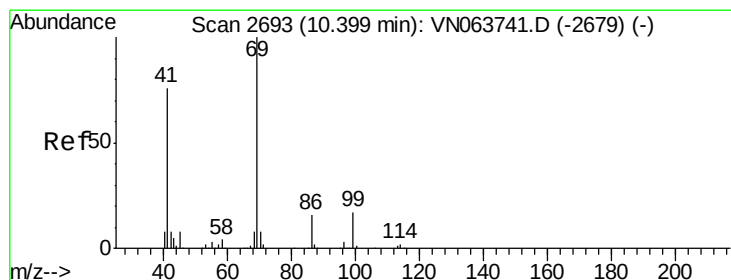
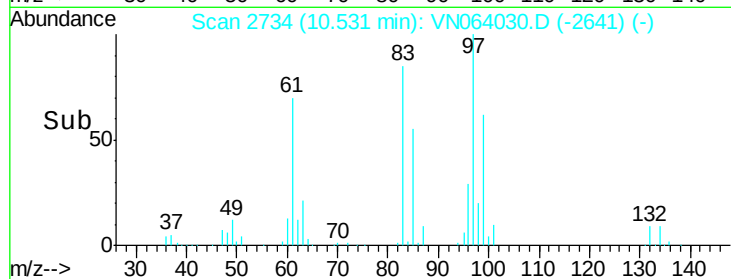
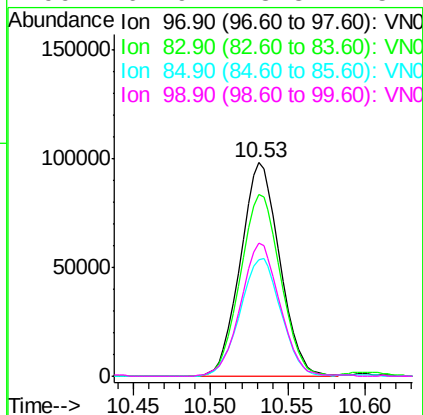
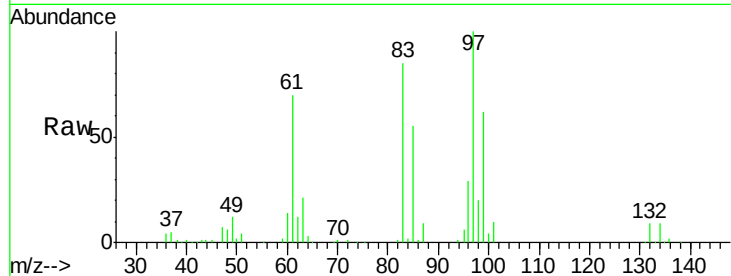
#55
 1,1,2-Trichloroethane
 Concen: 52.507 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	173558
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.7	106.1
85	54.8	46.1	69.1
99	61.9	48.8	73.2

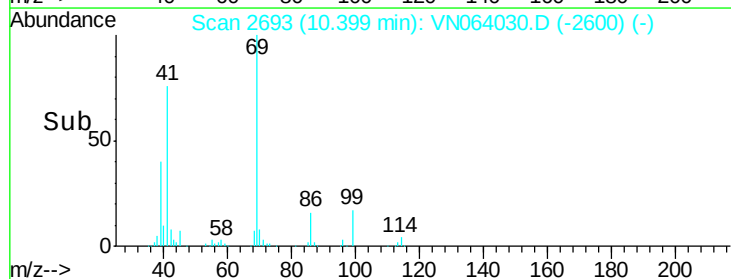
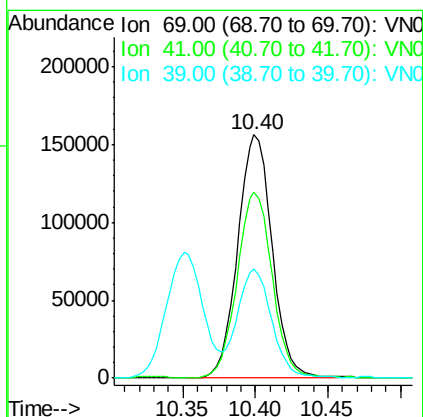
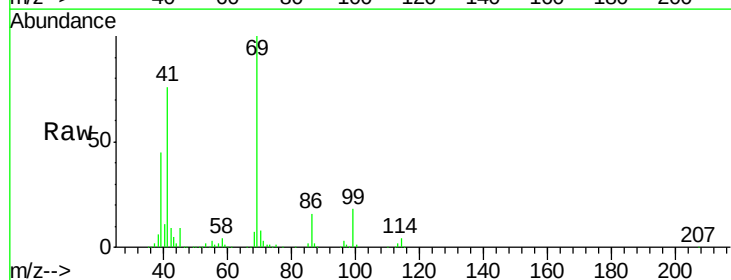
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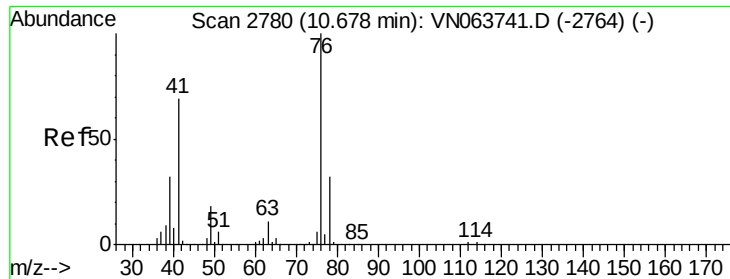
MMDadoda
 10/9/2020 4:53:29 PM



#56
 Ethyl methacrylate
 Concen: 55.041 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	69	Resp	257884
Ion	Ratio	Lower	Upper
69	100		
41	77.2	61.1	91.7
39	44.3	42.2	63.4





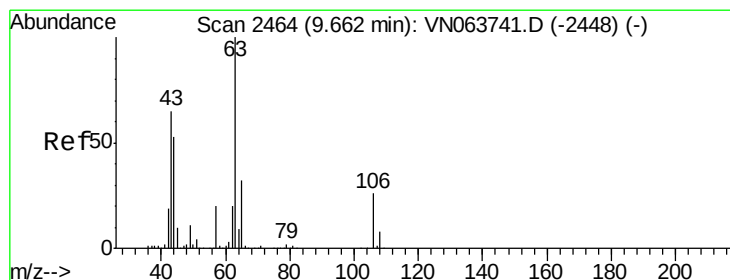
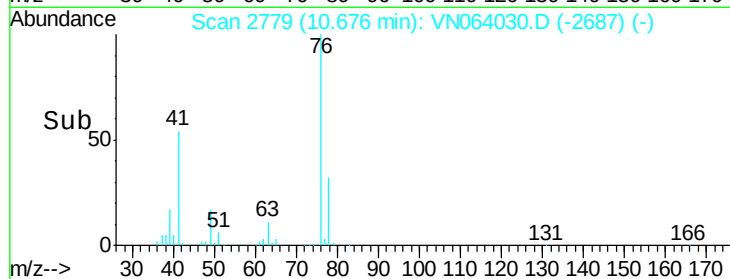
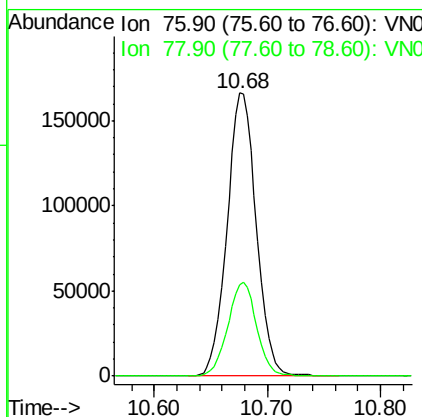
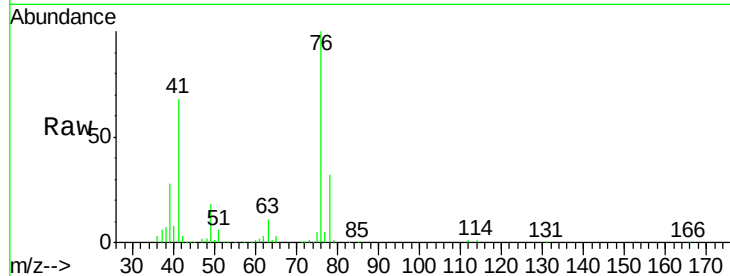
#57
 1,3-Dichloropropane
 Concen: 53.278 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 297942
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8

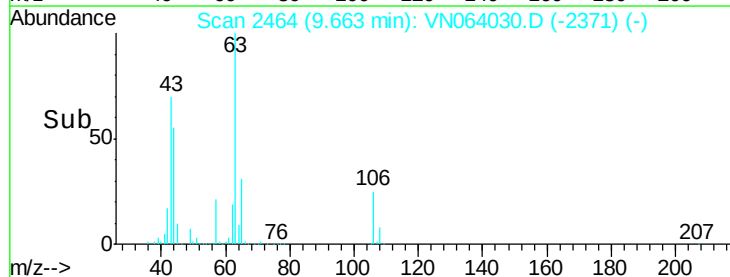
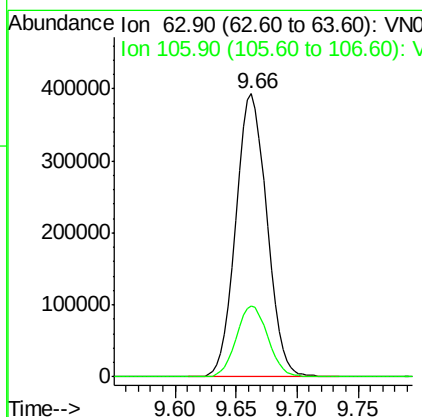
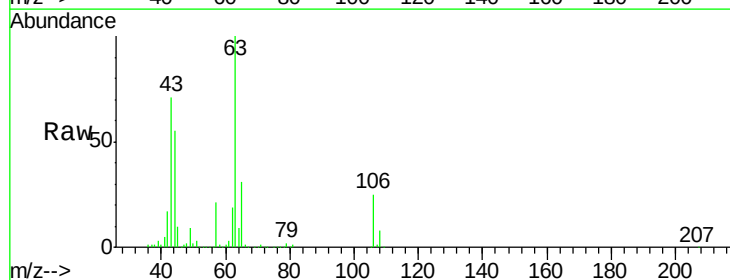
Manual Integrations
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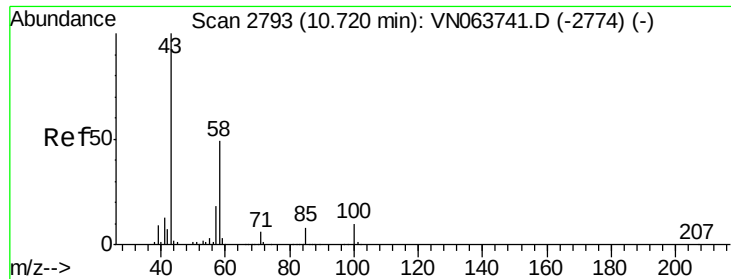
MMDadoda
 10/9/2020 4:53:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.178 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion: 63 Resp: 694669
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.7 31.1





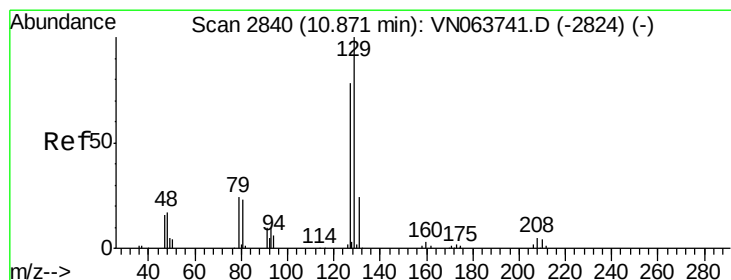
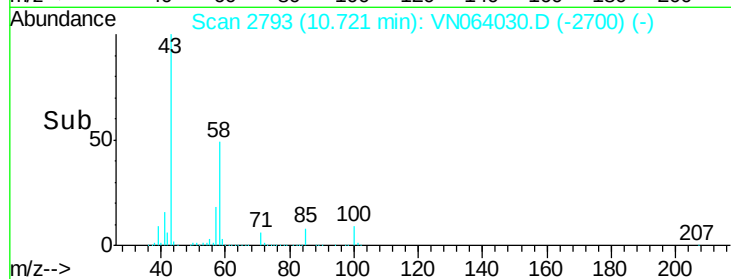
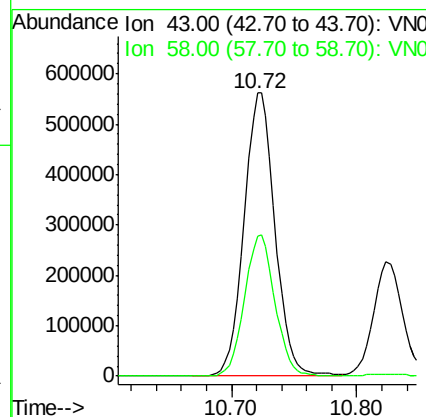
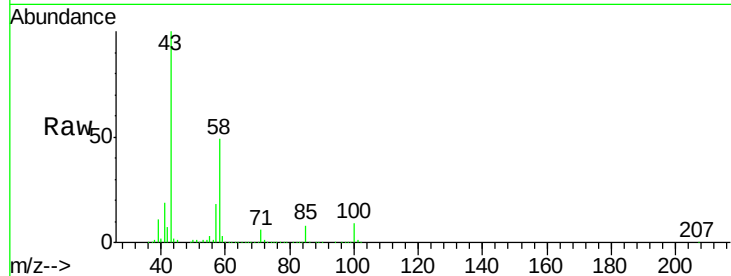
#59
2-Hexanone
Concen: 287.740 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	959031
Ion Ratio	43	100	
Lower	58	49.3	24.6
Upper			73.8

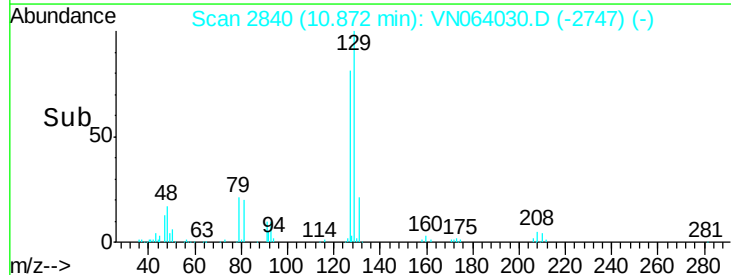
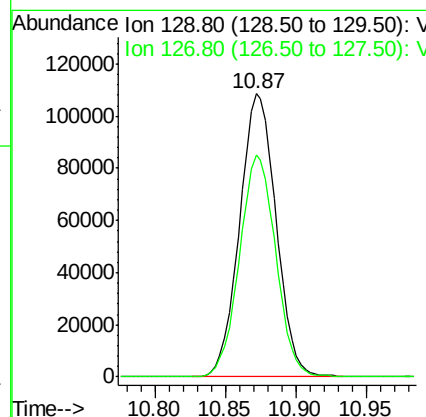
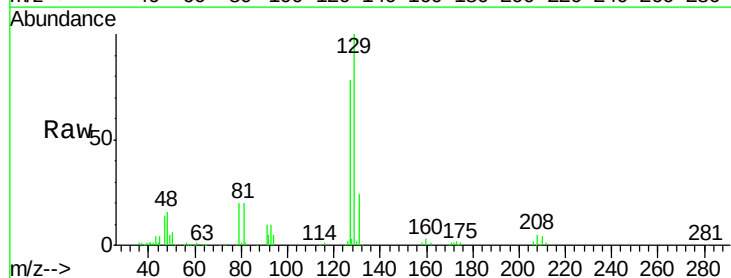
Manual Integrations
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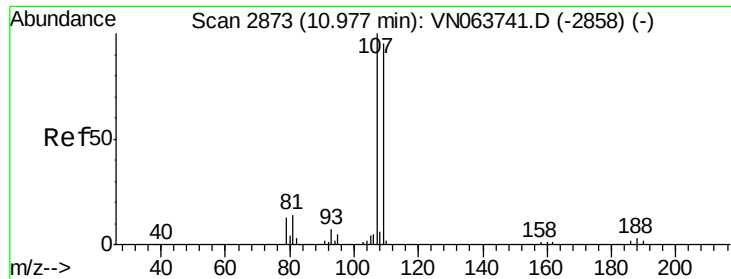
MMDadoda
10/9/2020 4:53:29 PM



#60
Dibromochloromethane
Concen: 51.207 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	129	Resp	197120
Ion Ratio	129	100	
Lower	127	77.8	38.9
Upper			116.7





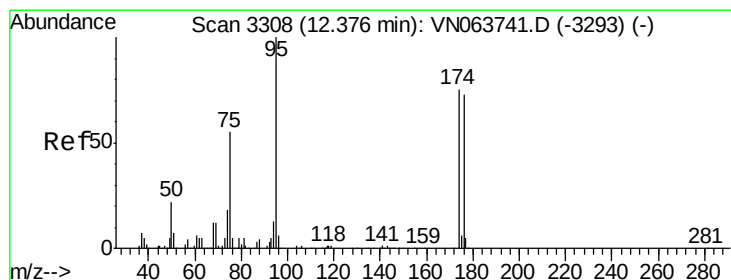
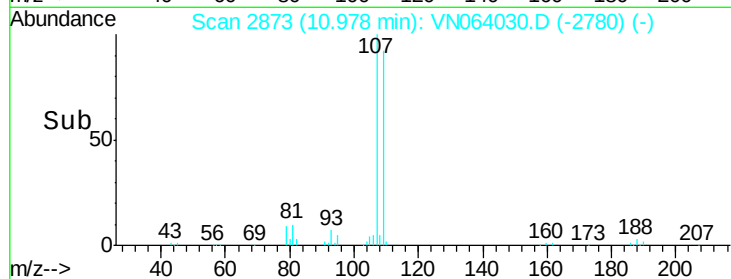
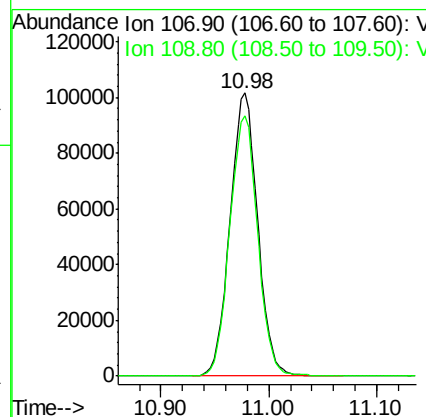
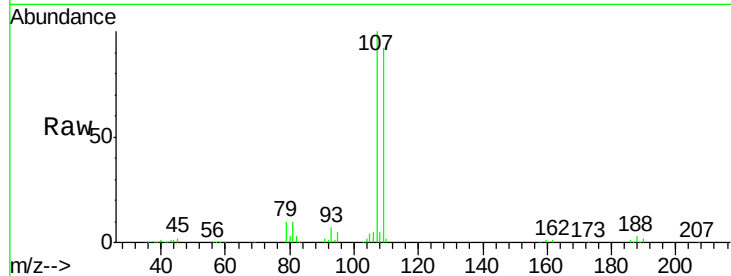
#61
 1,2-Dibromoethane
 Concen: 53.617 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.8	112.2

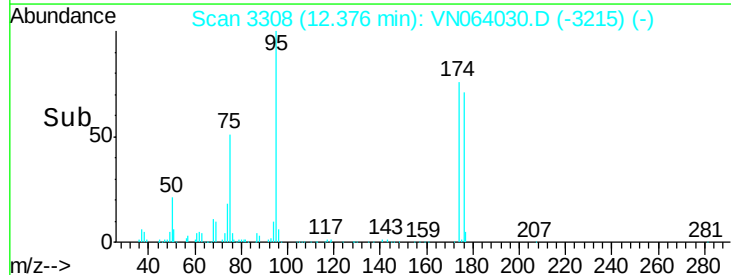
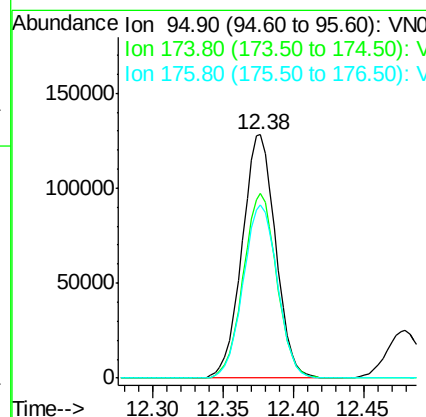
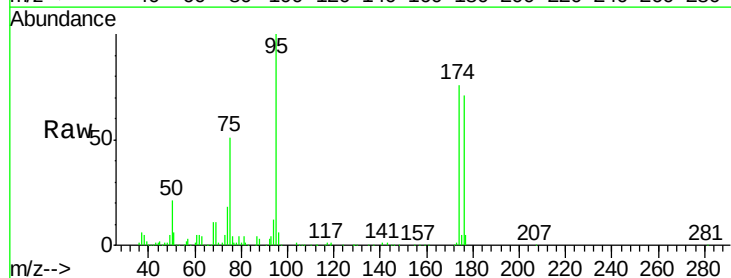
Manual Integrations
 APPROVED

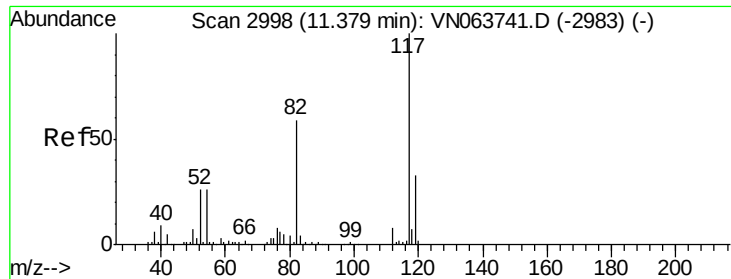
MMDadoda
 10/9/2020 4:53:29 PM



#62
 4-Bromofluorobenzene
 Concen: 46.927 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	150.6
176	72.7	0.0	145.4





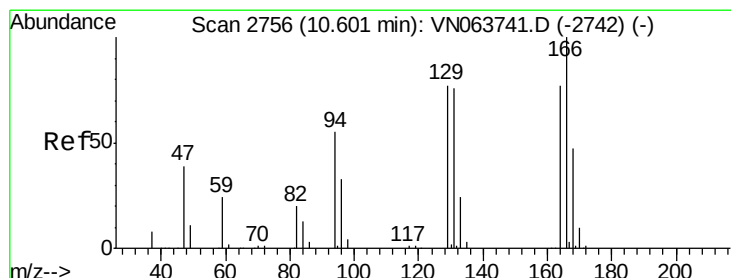
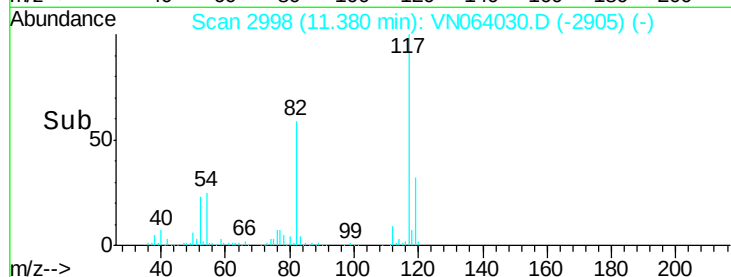
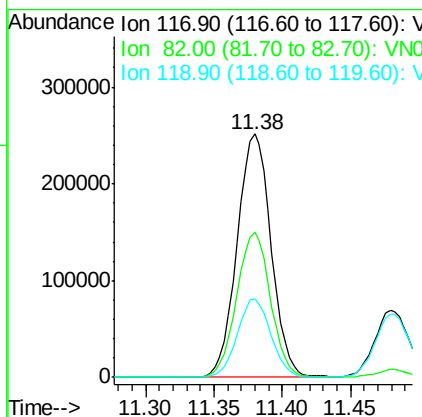
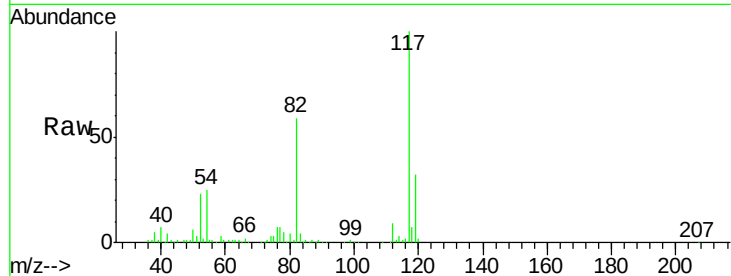
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.4	71.2
119	32.2	26.4	39.6

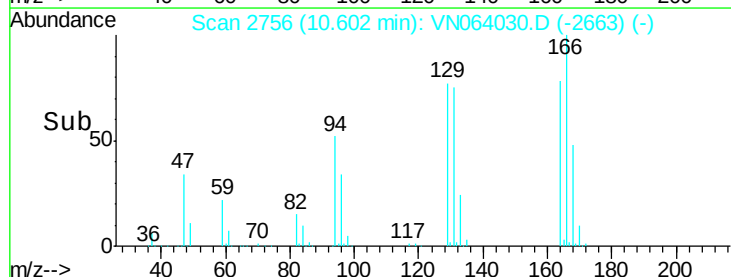
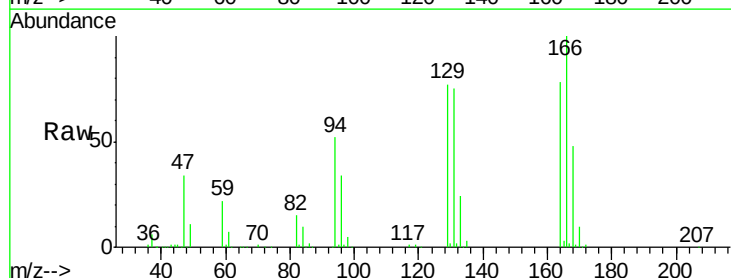
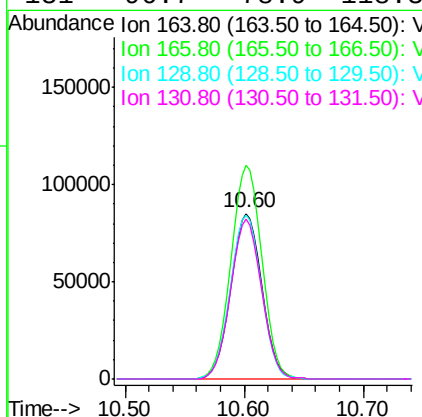
Manual Integrations
APPROVED

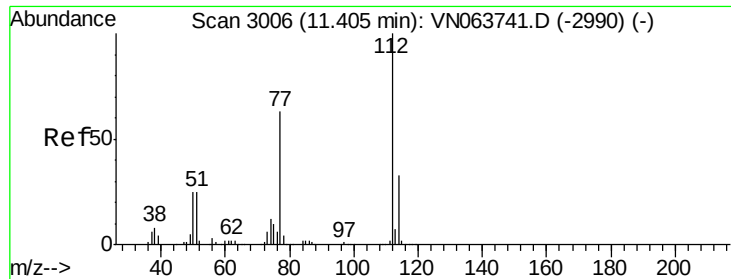
MMDadoda
10/9/2020 4:53:29 PM



#64
Tetrachloroethene
Concen: 45.617 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.9	155.9
129	98.8	80.3	120.5
131	96.7	78.9	118.3





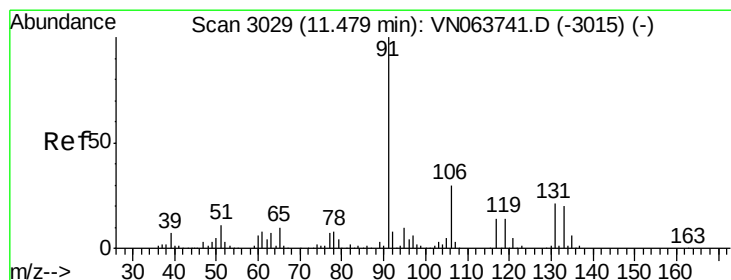
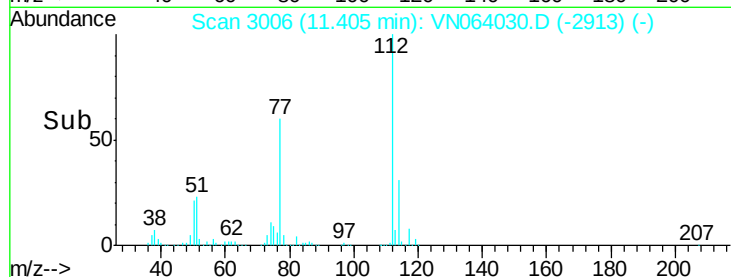
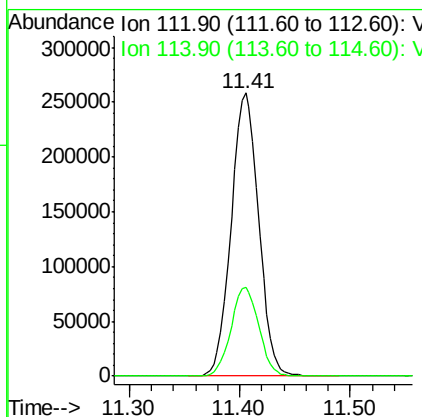
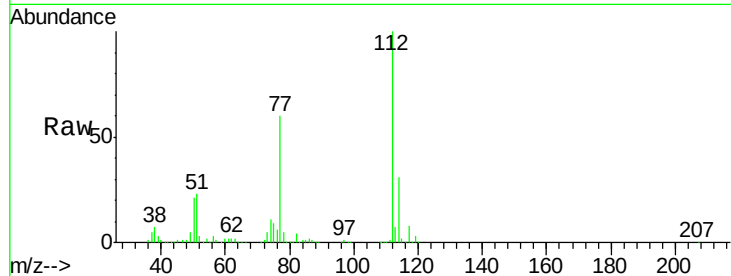
#65
Chlorobenzene
Concen: 50.056 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.1	39.1

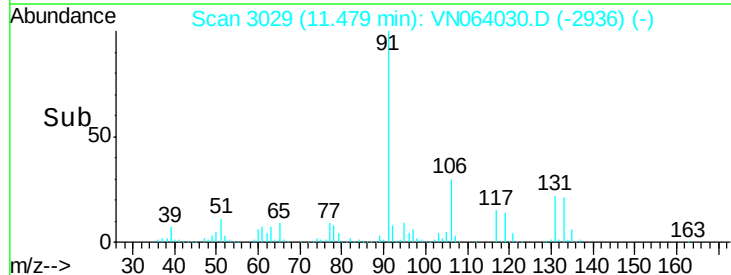
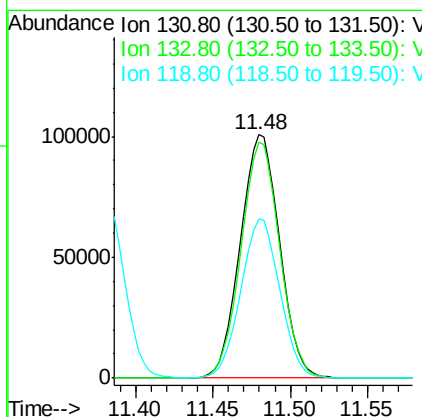
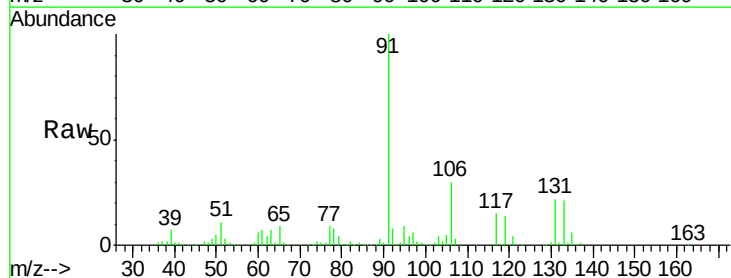
Manual Integrations
APPROVED

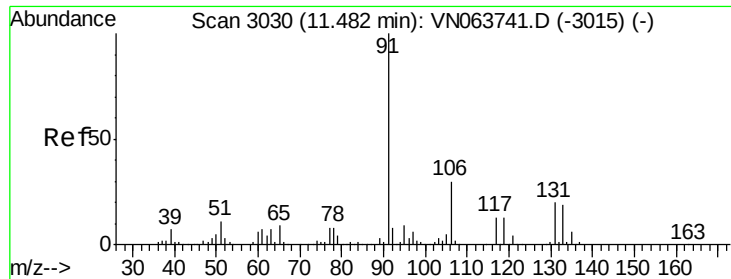
MMDadoda
10/9/2020 4:53:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.064 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.3	141.8
119	64.6	32.6	97.7





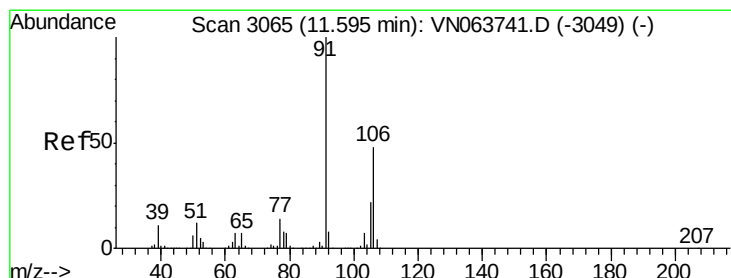
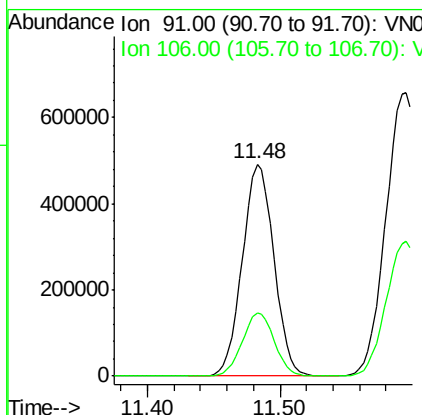
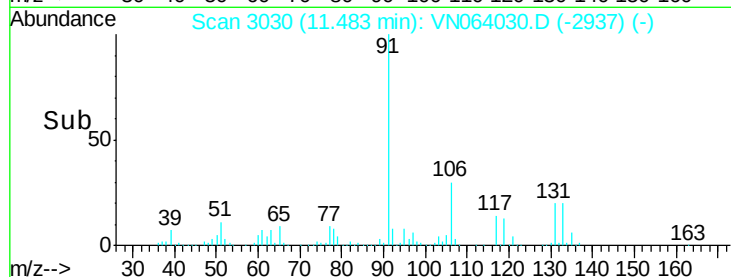
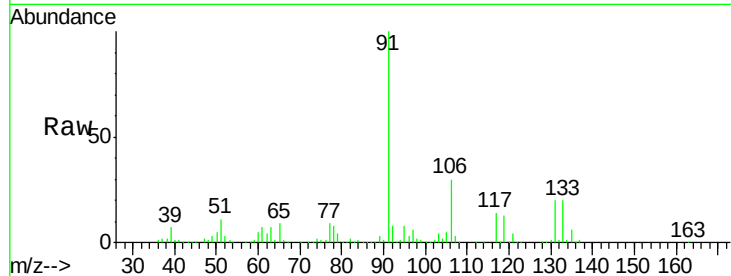
#67
Ethyl Benzene
Concen: 50.185 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 815744
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.2

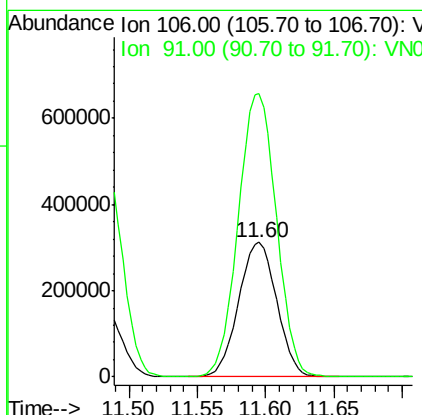
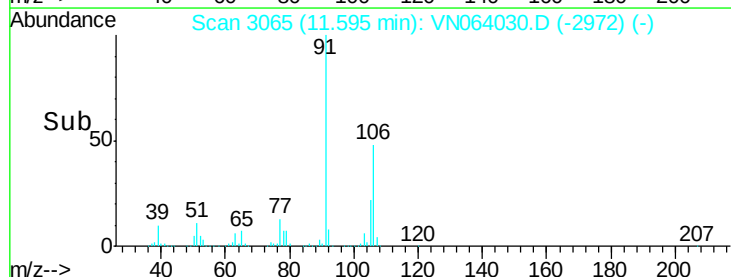
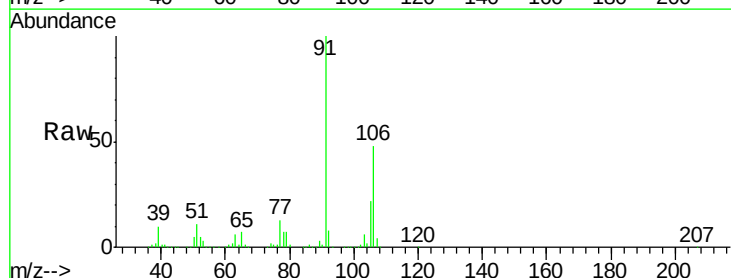
Manual Integrations
APPROVED

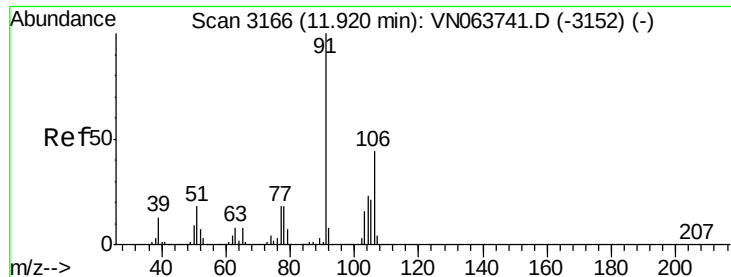
MMDadoda
10/9/2020 4:53:29 PM



#68
m/p-Xylenes
Concen: 99.897 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion: 106 Resp: 605188
Ion Ratio Lower Upper
106 100
91 210.8 168.0 252.0





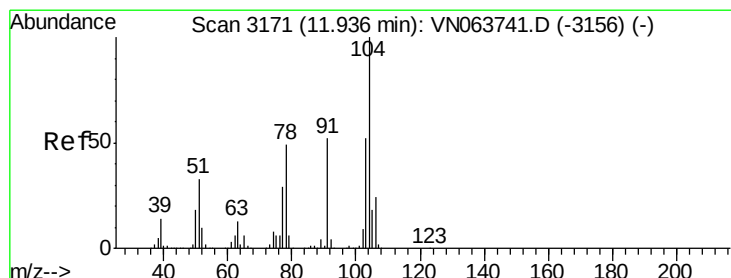
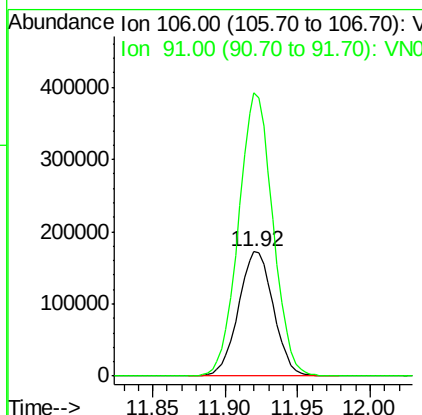
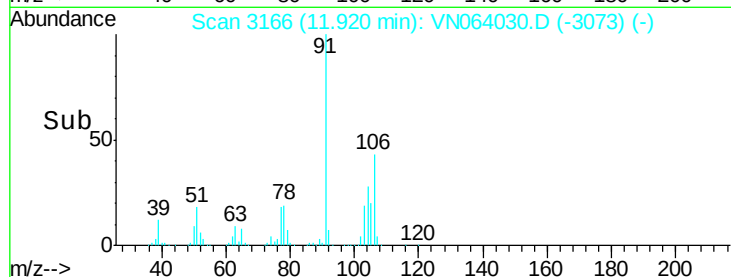
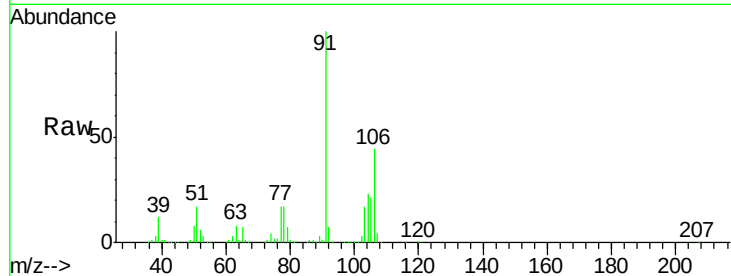
#69
o-Xylene
Concen: 51.071 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.2	112.7	338.0

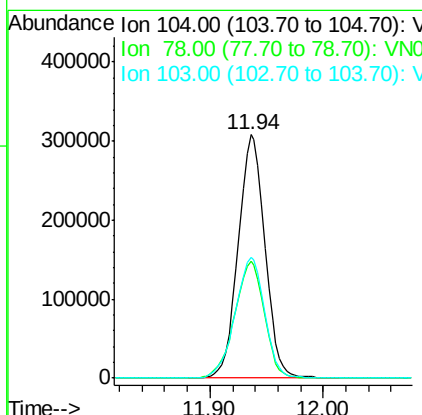
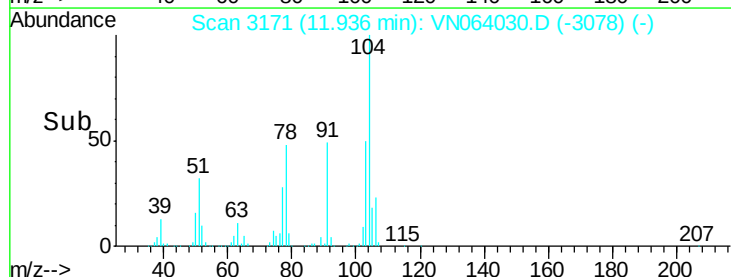
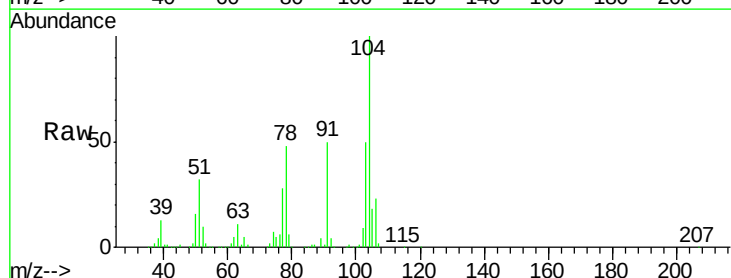
Manual Integrations
APPROVED

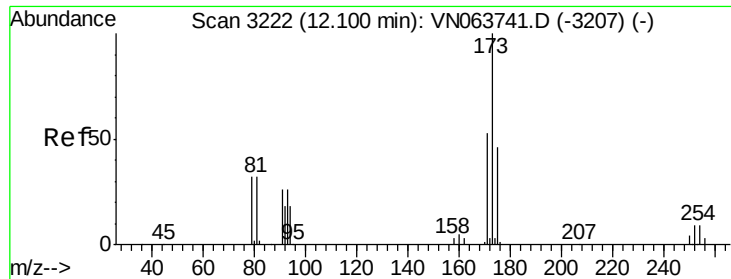
MMDadoda
10/9/2020 4:53:29 PM



#70
Styrene
Concen: 52.861 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	44.1	66.1
103	54.7	44.3	66.5





#71

Bromoform

Concen: 52.145 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 136579

Ion Ratio Lower Upper

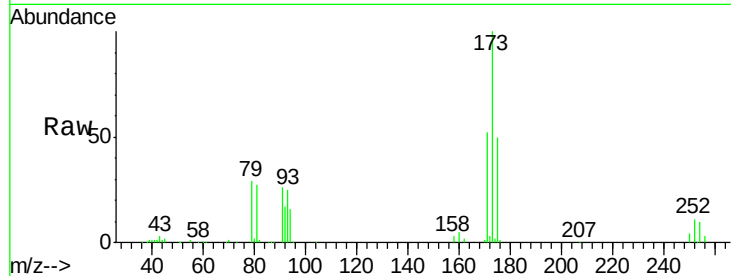
173 100

175 48.1 23.5 70.5

254 0.0 0.0 0.0#

Manual Integrations
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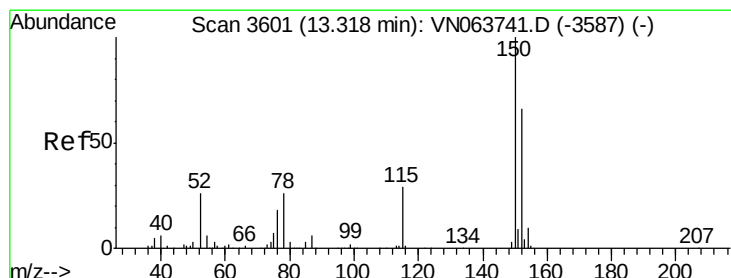
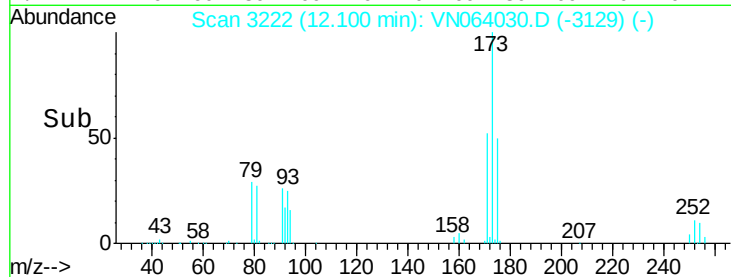
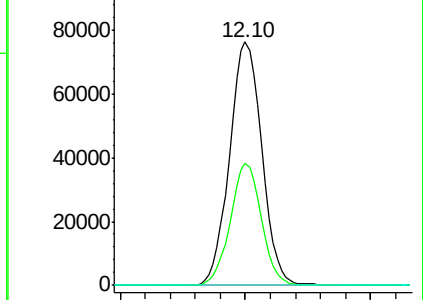
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3601

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

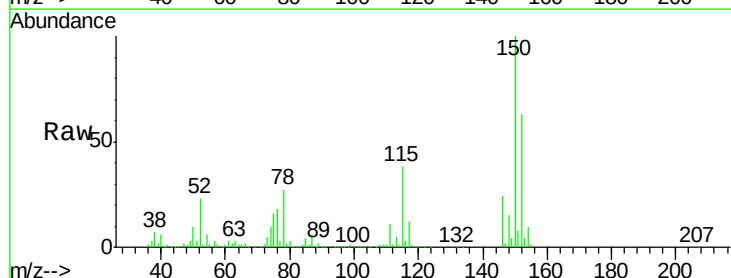
Tgt Ion:152 Resp: 207994

Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.8

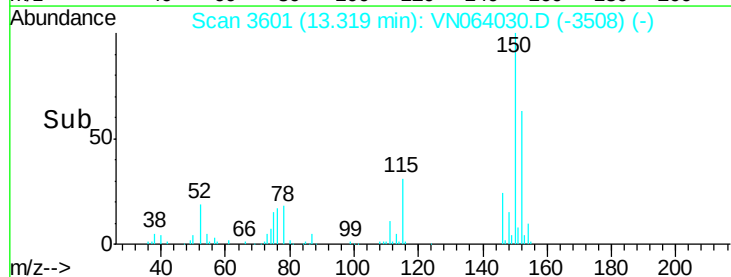
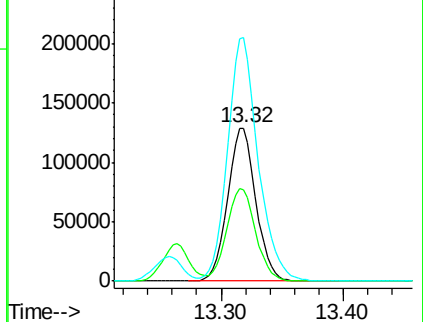
150 171.6 0.0 341.8

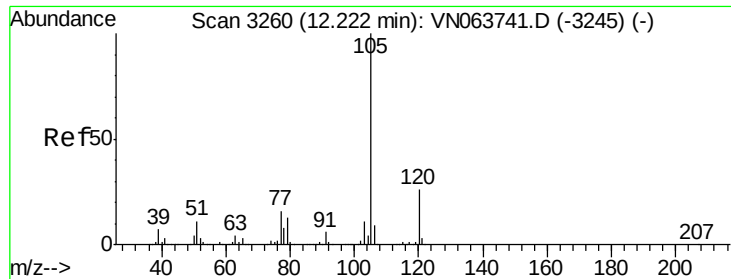


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.809 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 770815

Ion Ratio Lower Upper

105 100

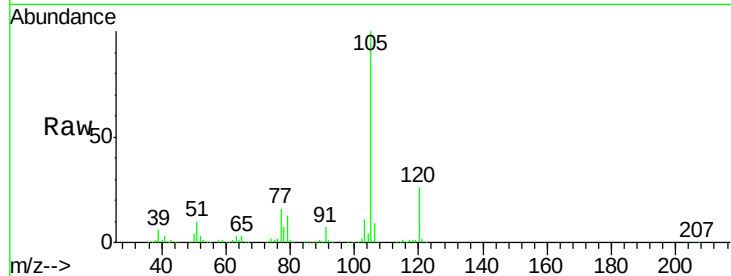
120 25.7 12.6 37.8

Manual Integrations

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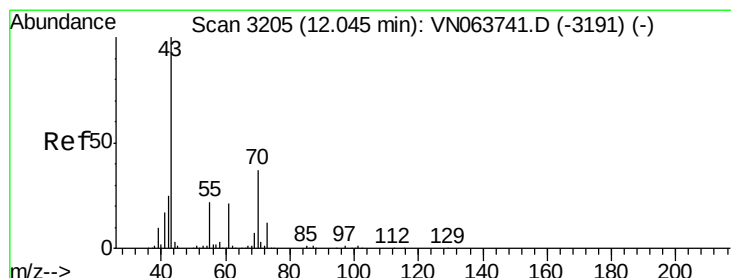
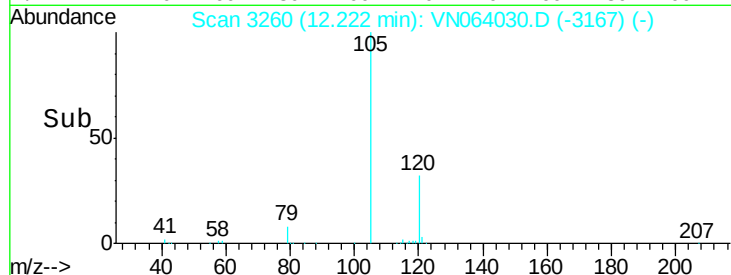
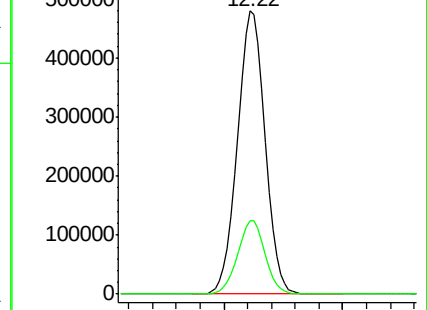
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.007 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion: 43 Resp: 374743

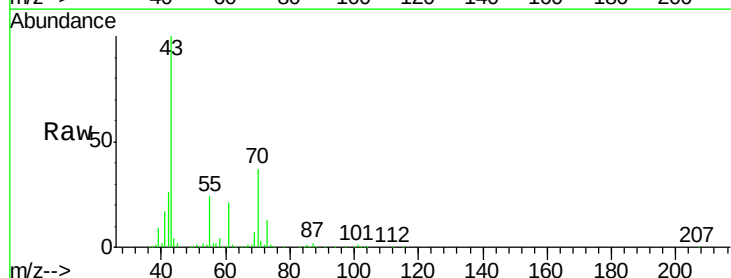
Ion Ratio Lower Upper

43 100

70 37.0 29.8 44.8

55 23.8 17.9 26.9

61 21.0 17.0 25.4

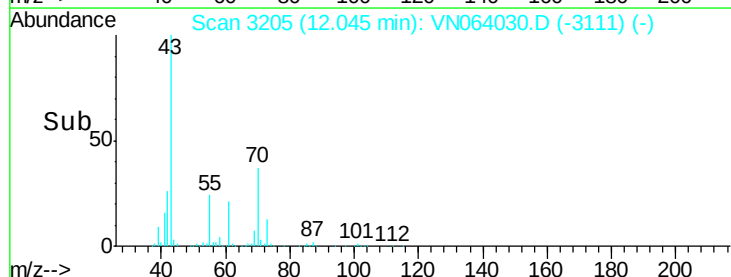
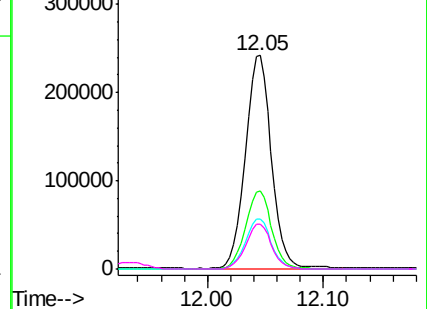


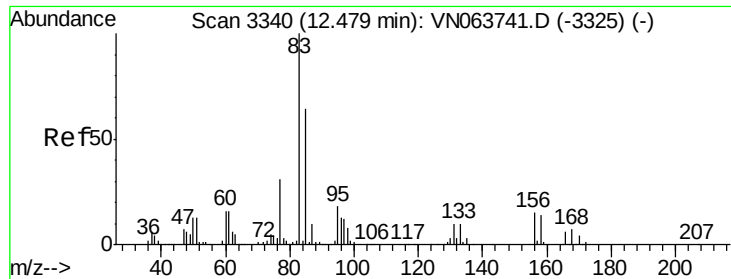
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.445 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 252577

Ion Ratio Lower Upper

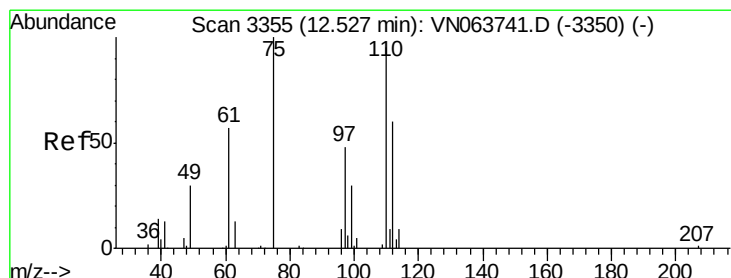
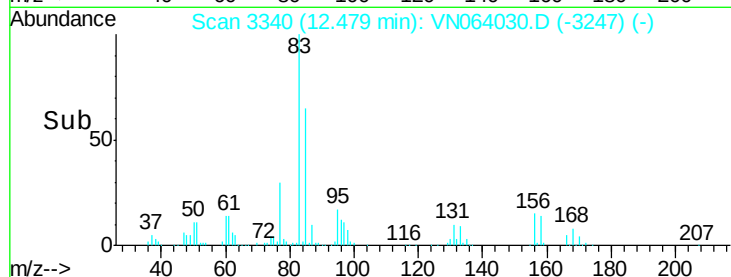
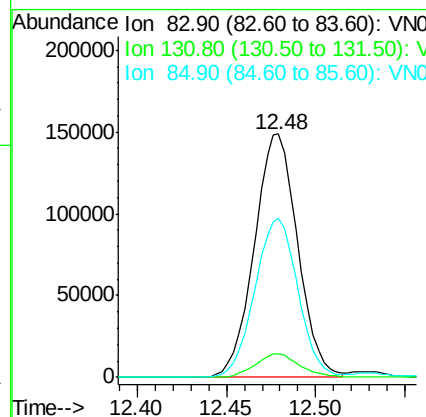
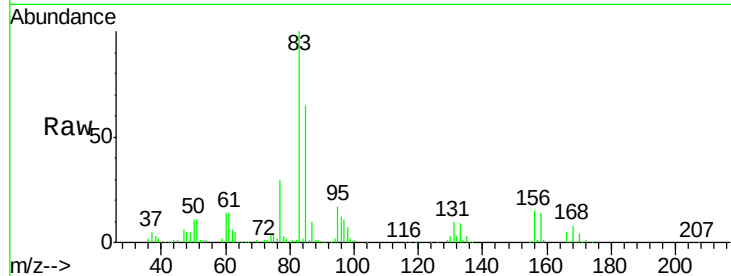
83 100

131 9.9 5.3 15.8

85 65.2 31.3 93.8

Manual Integrations
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MMDadoda
10/9/2020 4:53:29 PM



#76

1,2,3-Trichloropropane

Concen: 53.033 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064030.D

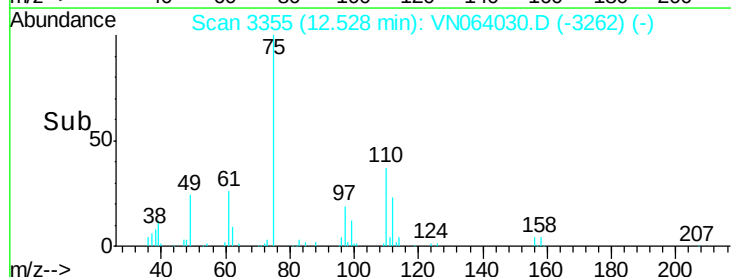
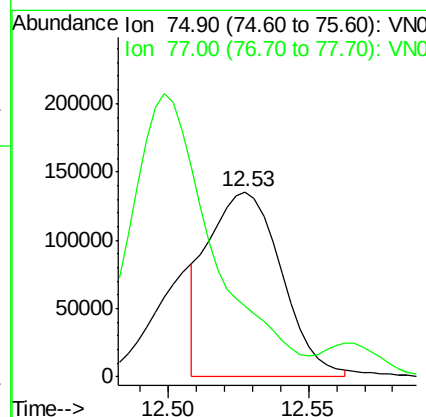
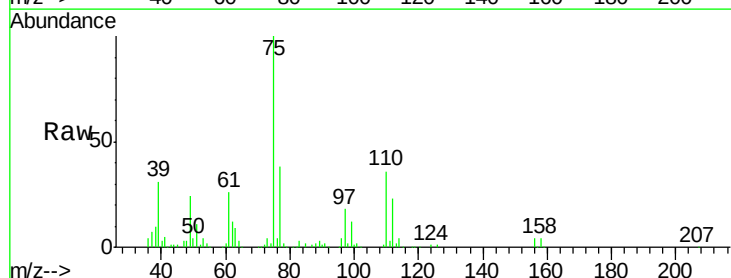
Acq: 9 Oct 2020 8:52

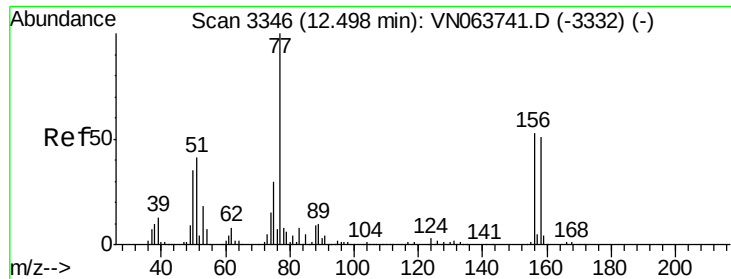
Tgt Ion: 75 Resp: 243158

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.777 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

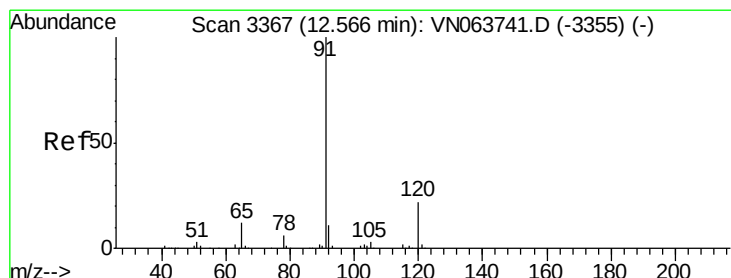
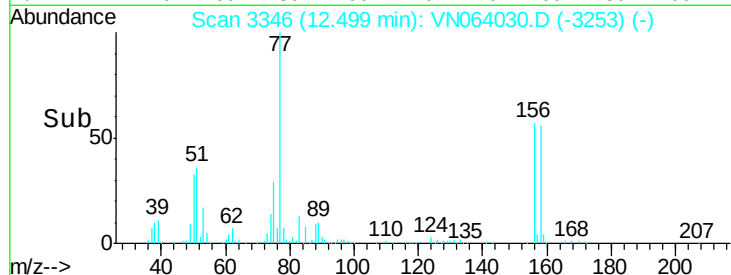
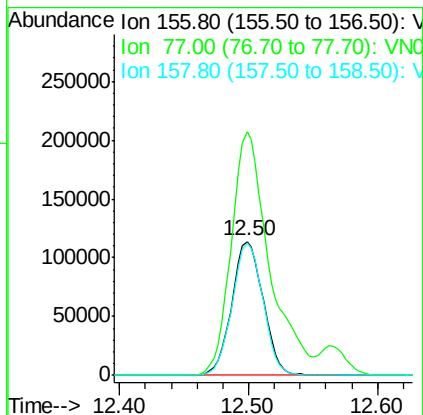
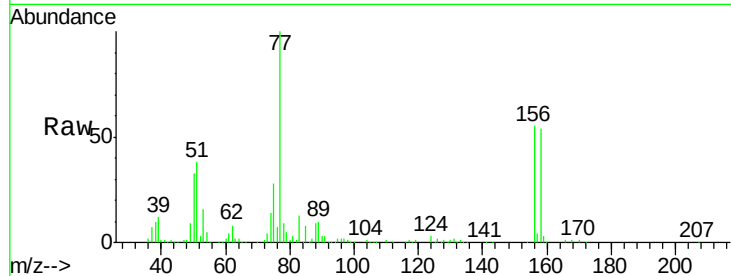
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.6	110.9	332.7
158	97.3	47.7	143.1

Manual Integrations
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#78

n-propylbenzene

Concen: 49.140 ug/l

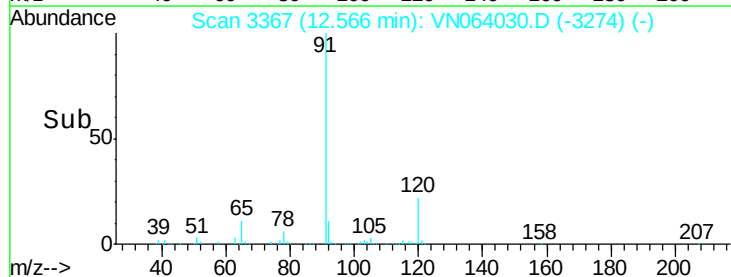
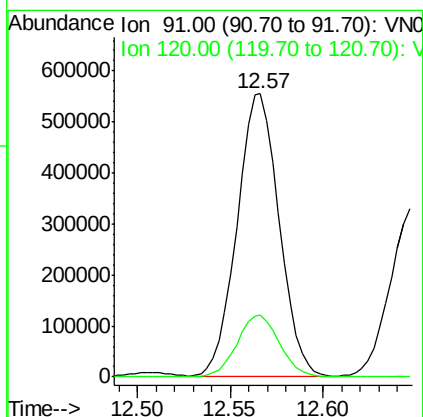
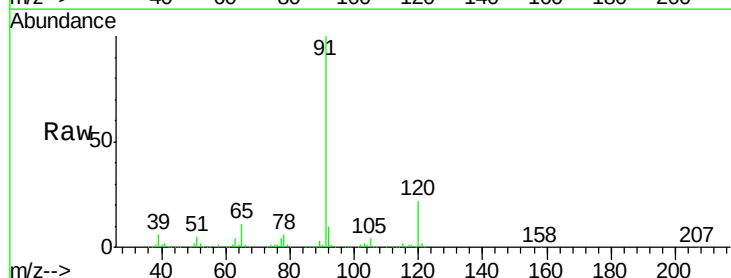
RT: 12.57 min Scan# 3367

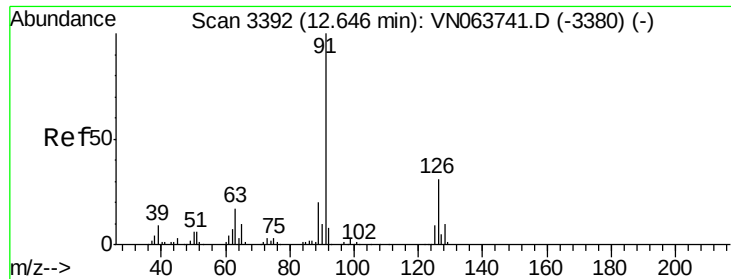
Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 50.165 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 544722

Ion Ratio Lower Upper

91 100

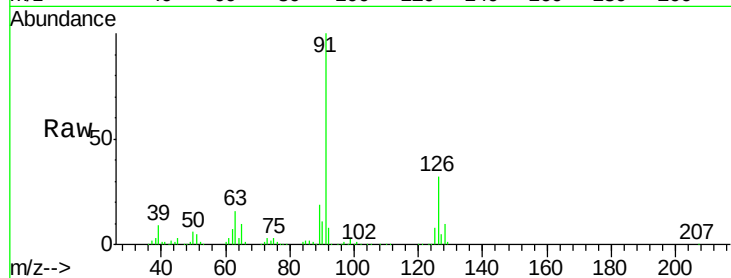
126 32.4 15.9 47.7

Manual Integrations

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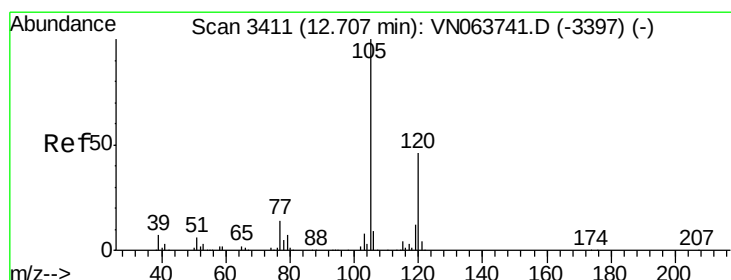
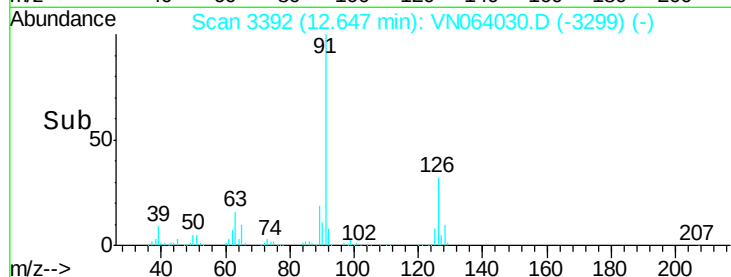
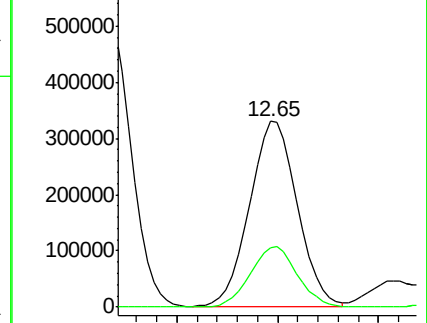
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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.859 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064030.D

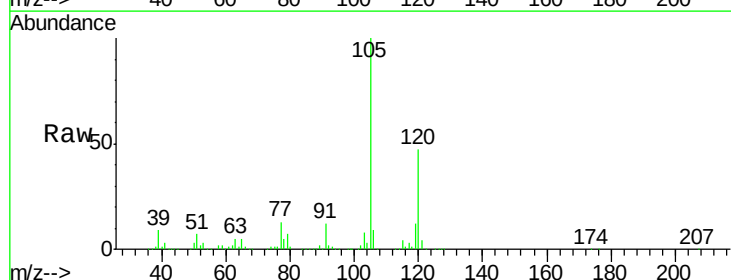
Acq: 9 Oct 2020 8:52

Tgt Ion: 105 Resp: 647311

Ion Ratio Lower Upper

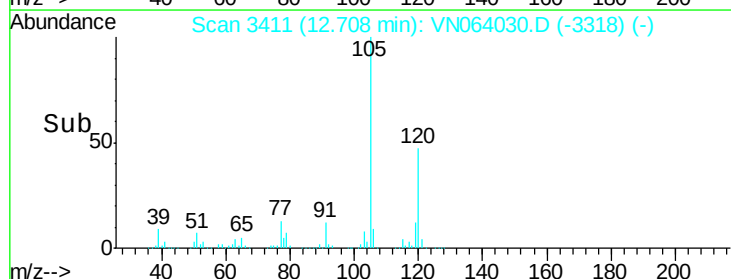
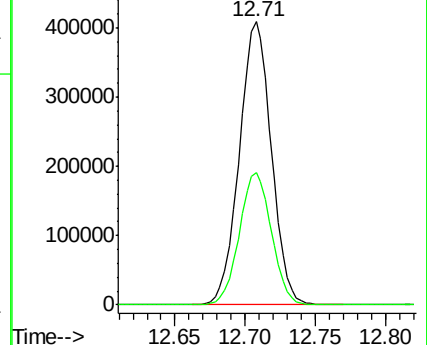
105 100

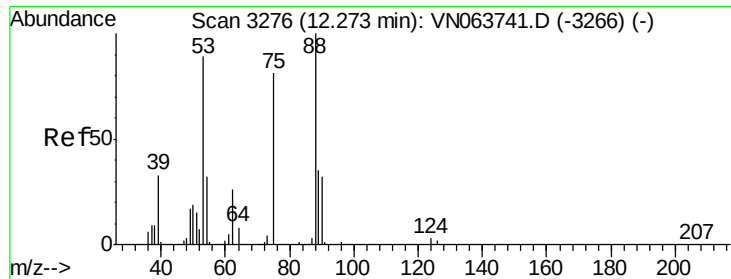
120 47.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.186 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

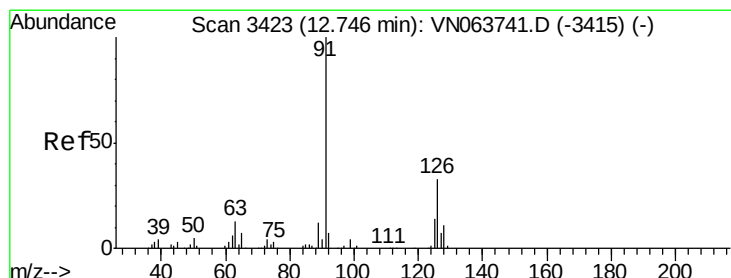
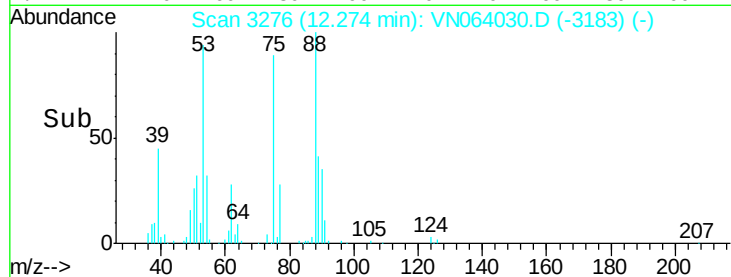
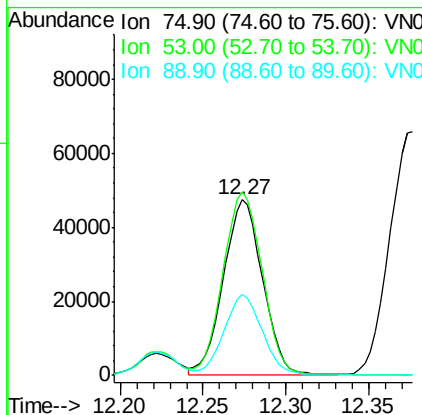
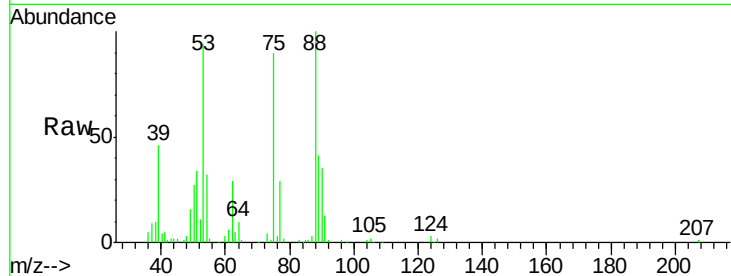
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	78300
Ion Ratio	Lower	Upper	
75	100		
53	105.1	88.2	132.2
89	44.8	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.368 ug/l

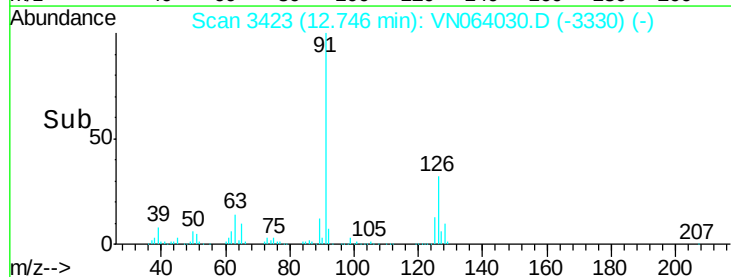
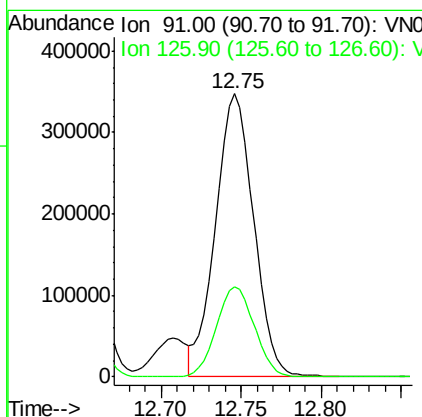
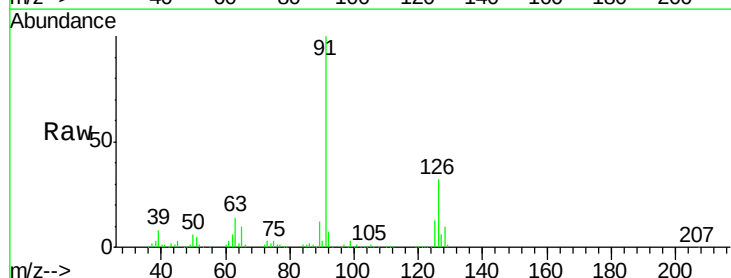
RT: 12.75 min Scan# 3423

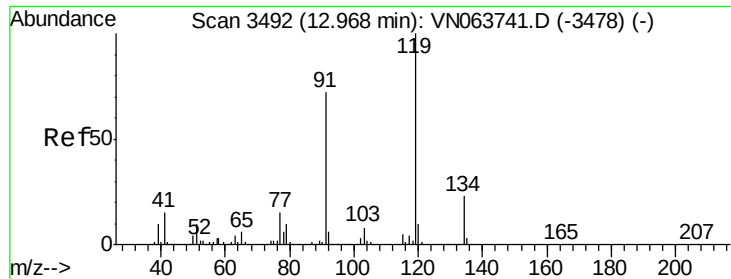
Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Tgt Ion:	91	Resp:	567773
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.4	46.2





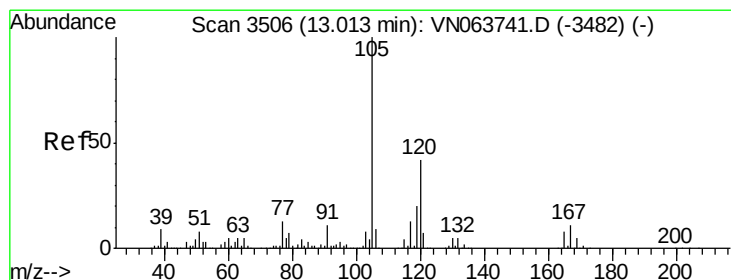
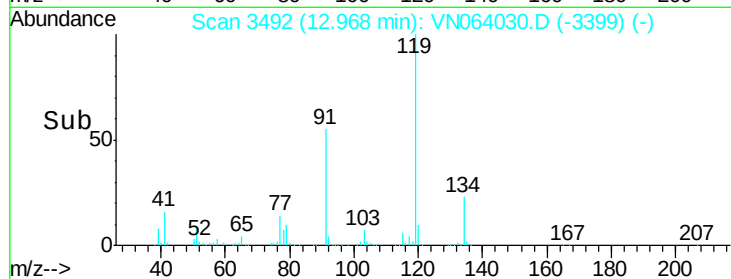
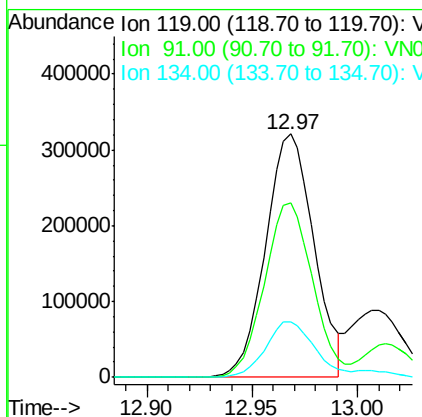
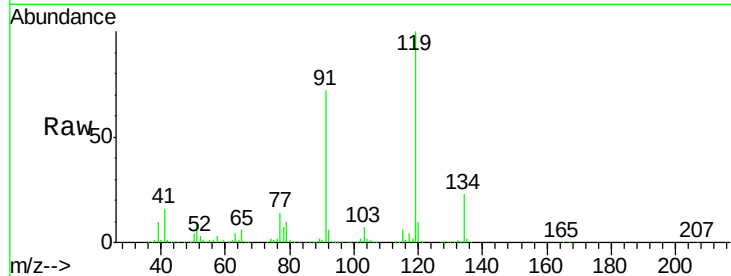
#83
 tert-Butylbenzene
 Concen: 49.108 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.1	35.5	106.5
134	23.4	11.7	35.1

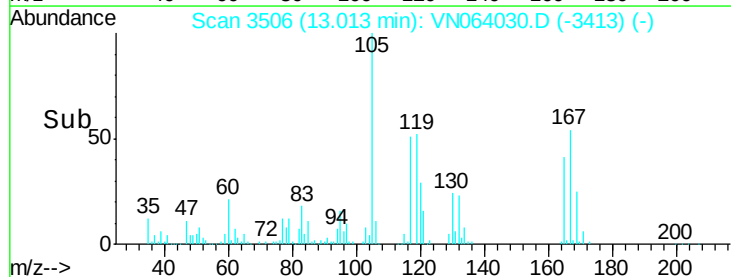
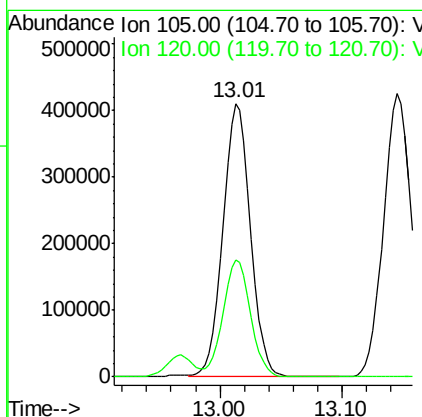
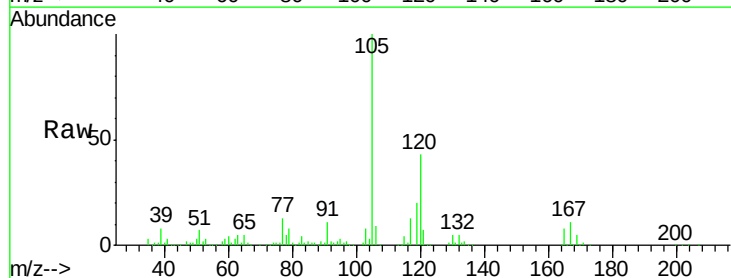
Manual Integrations
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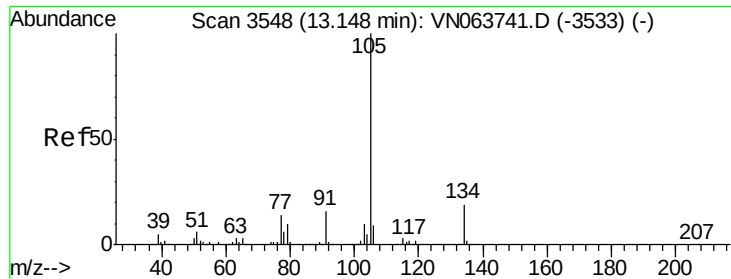
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.029 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	20.9	62.7





#85

sec-Butylbenzene

Concen: 49.594 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 678156

Ion Ratio Lower Upper

105 100

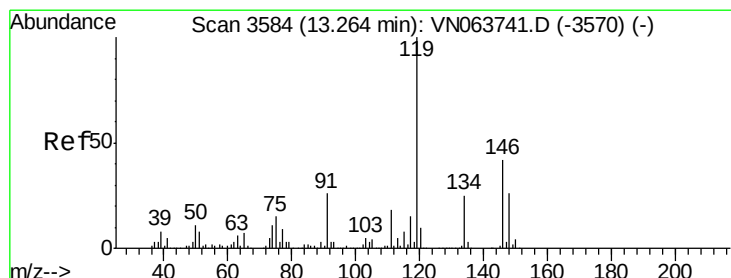
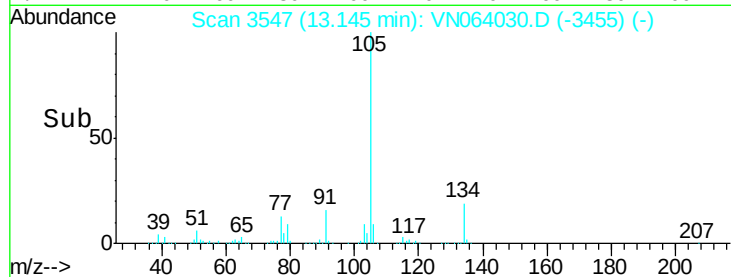
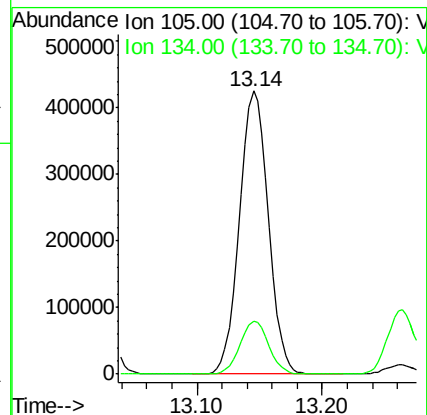
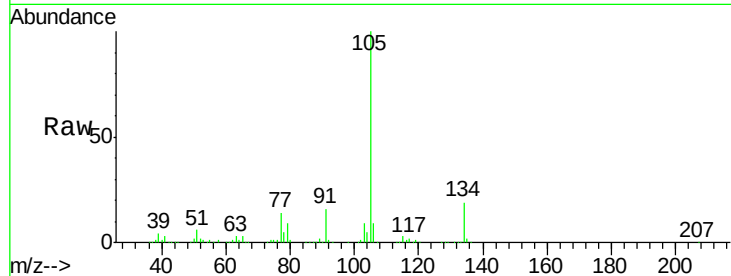
134 18.7 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.430 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064030.D

Acq: 9 Oct 2020 8:52

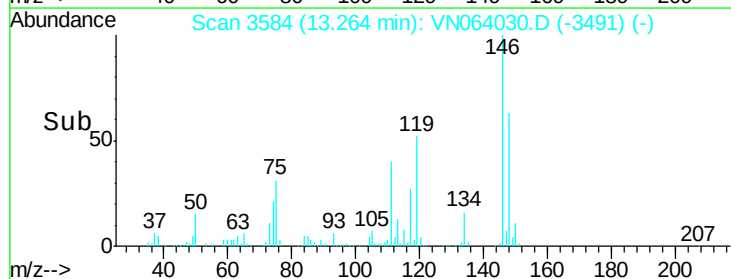
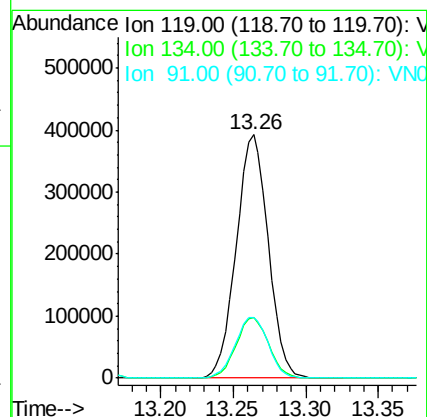
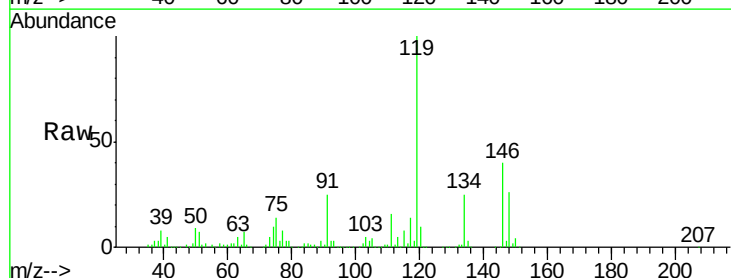
Tgt Ion:119 Resp: 597953

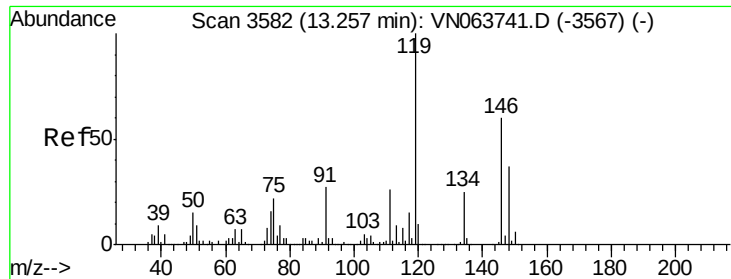
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

91 25.7 13.4 40.2





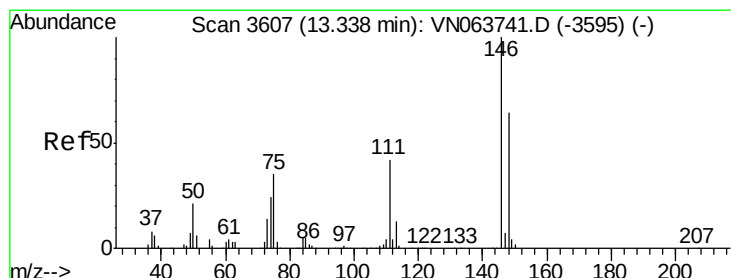
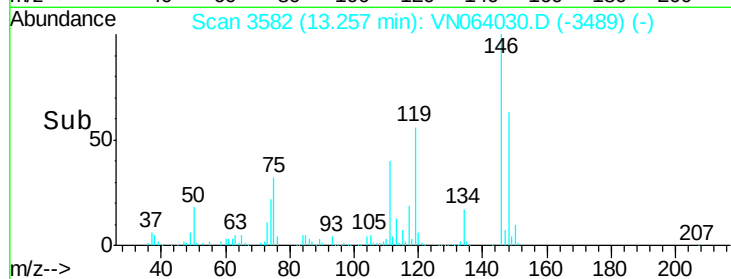
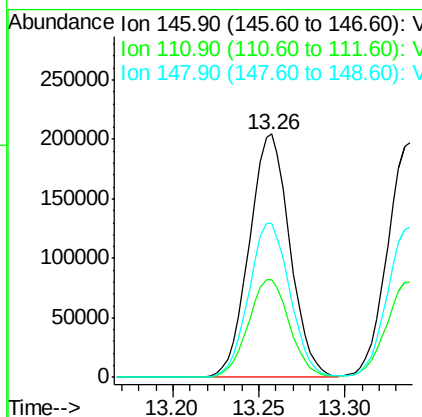
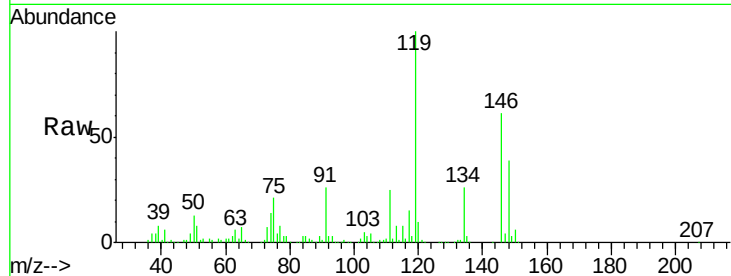
#87
 1,3-Dichlorobenzene
 Concen: 49.798 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.5	64.5
148	64.2	31.1	93.3

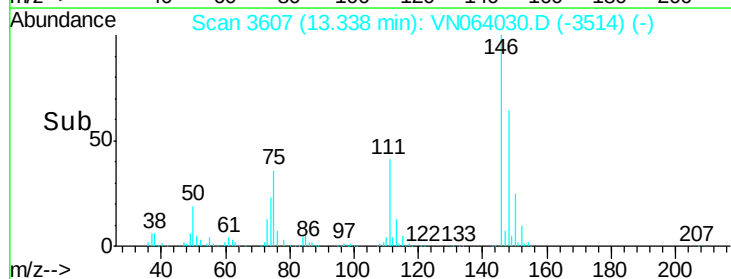
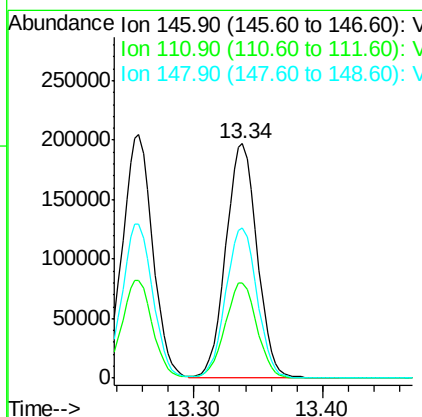
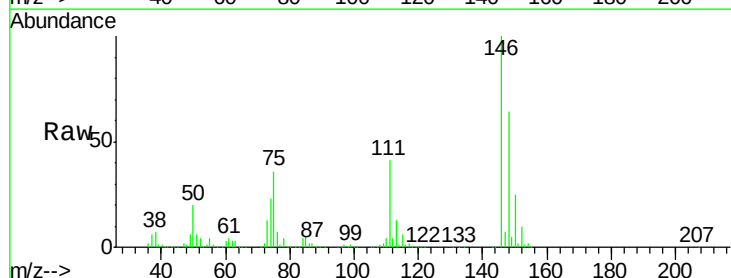
Manual Integrations
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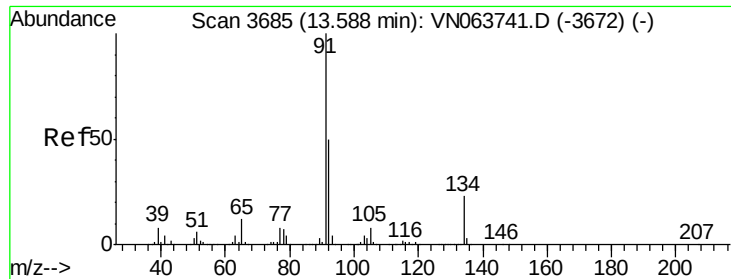
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#88
 1,4-Dichlorobenzene
 Concen: 47.199 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.7
148	64.4	32.0	96.0





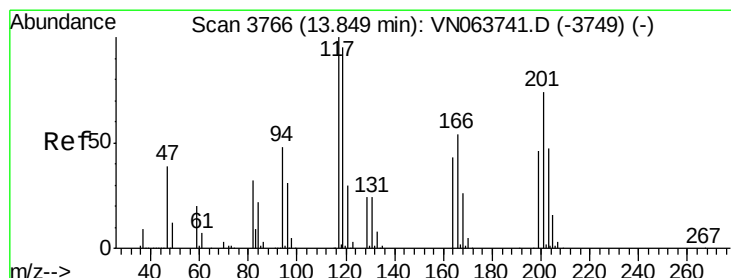
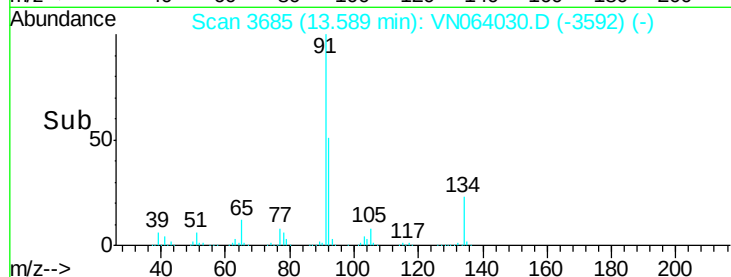
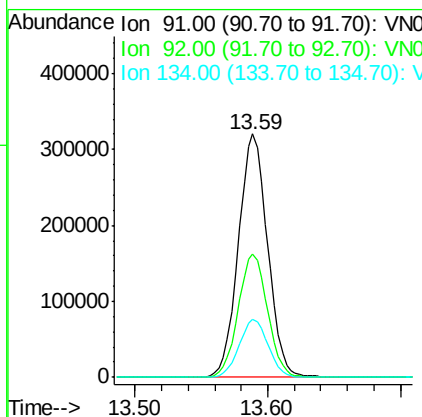
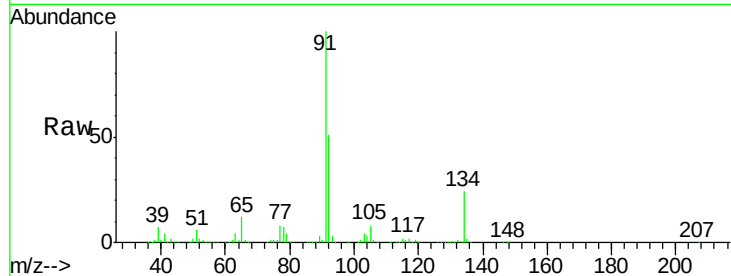
#89
n-Butylbenzene
Concen: 43.790 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.4	76.4
134	23.8	11.7	35.1

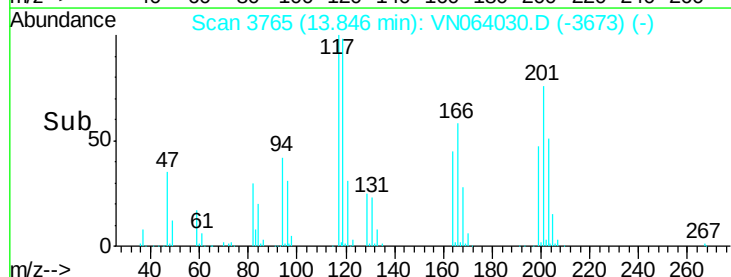
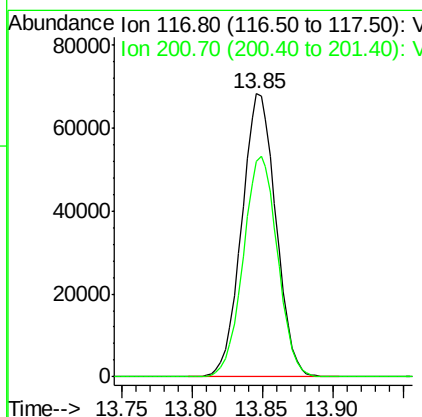
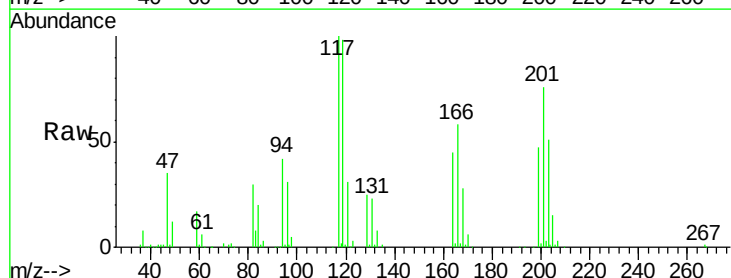
Manual Integrations
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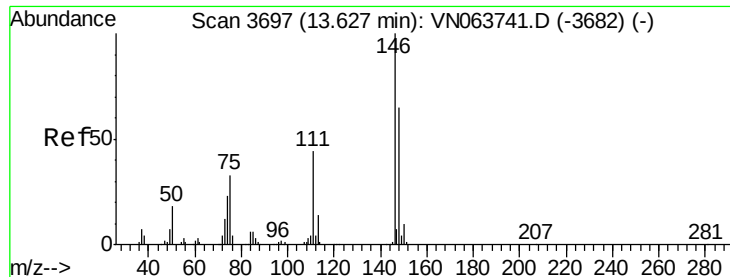
MMDadoda
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#90
Hexachloroethane
Concen: 49.551 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	36.0	108.0





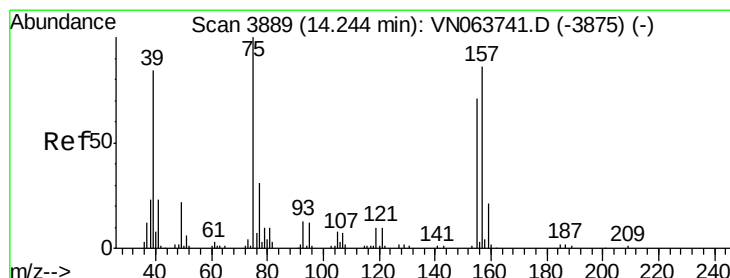
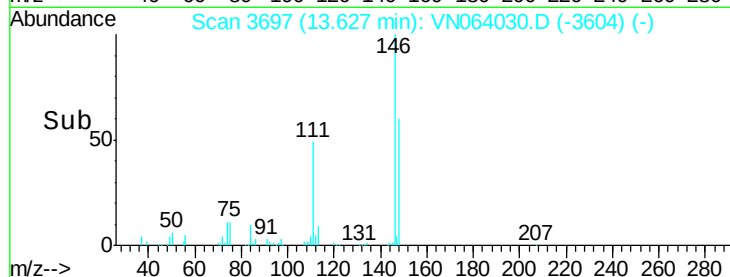
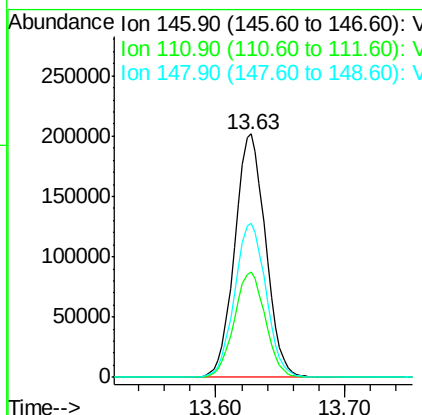
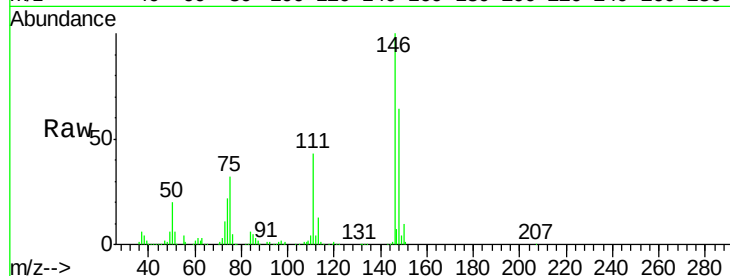
#91
 1,2-Dichlorobenzene
 Concen: 50.380 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.2	66.6
148	64.4	32.5	97.4

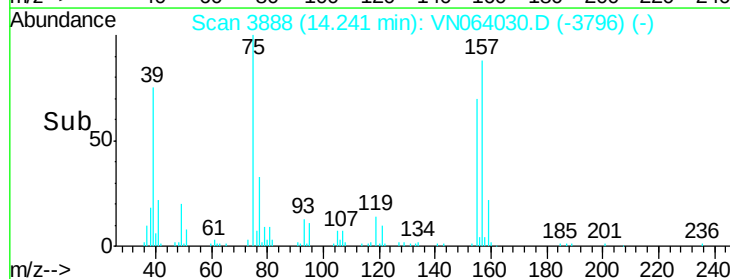
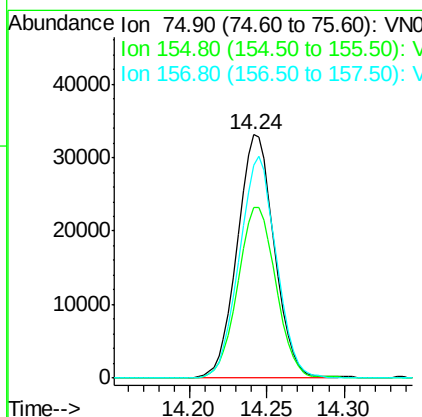
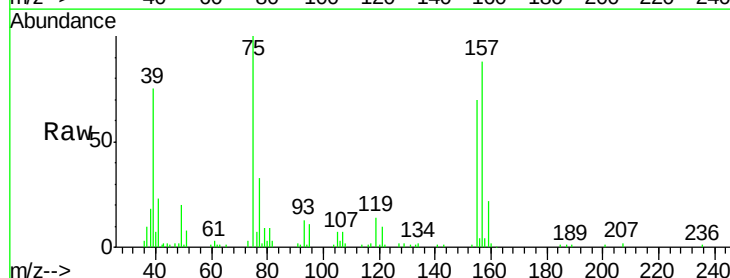
Manual Integrations
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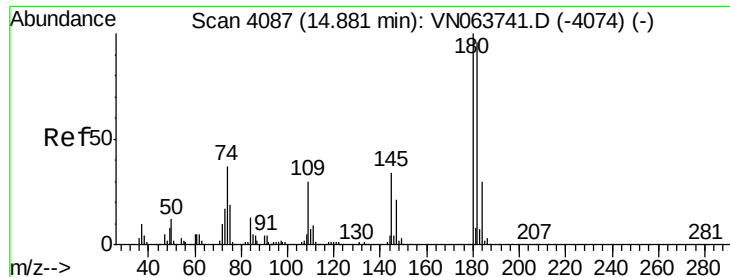
MMDadoda
 10/9/2020 4:53:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.760 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064030.D
 Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	34.8	104.5
157	90.4	43.7	131.1





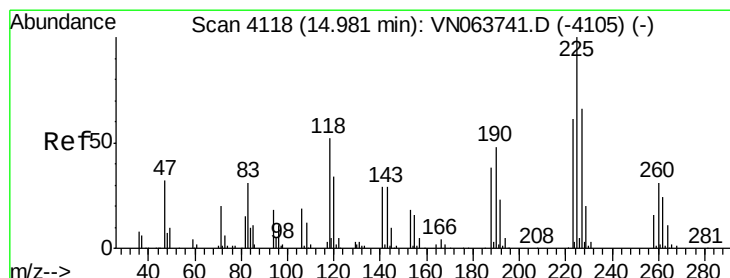
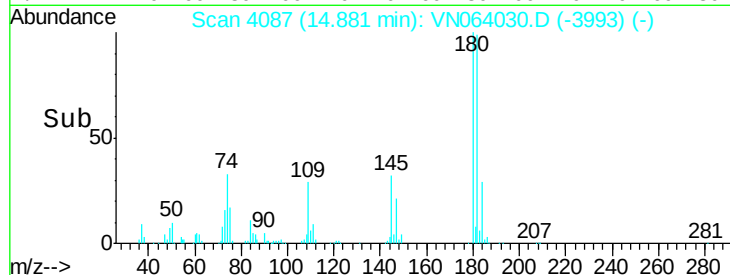
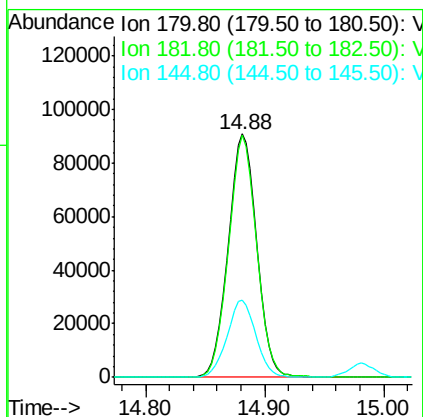
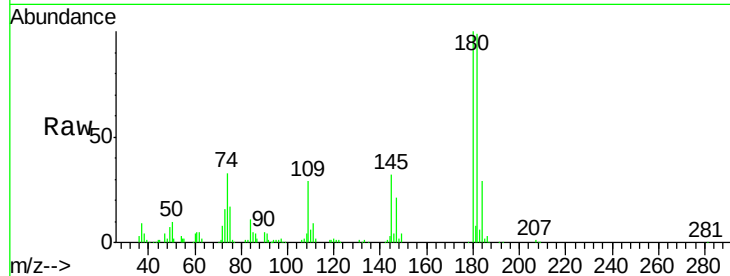
#93
1,2,4-Trichlorobenzene
Concen: 41.929 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151031		
182	97.4	48.2	144.6	
145	31.9	17.1	51.2	

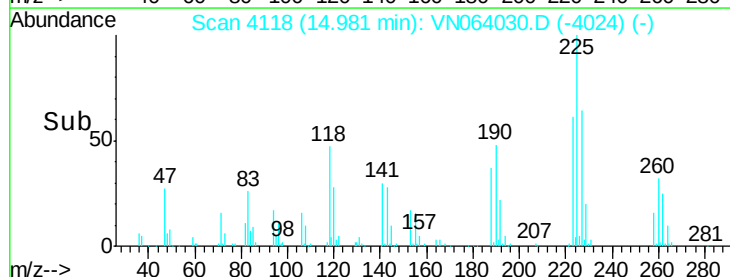
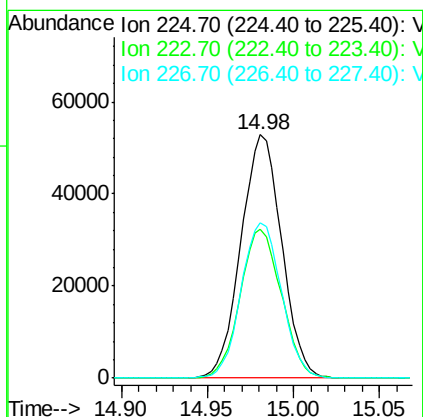
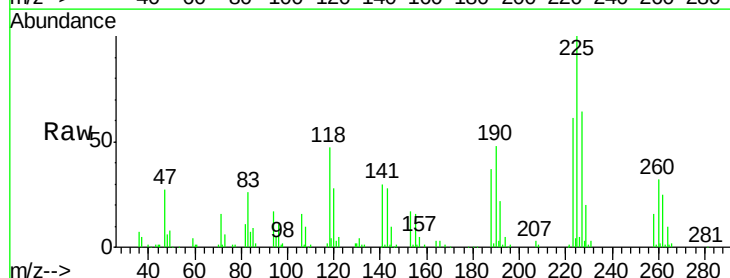
Manual Integrations
APPROVED

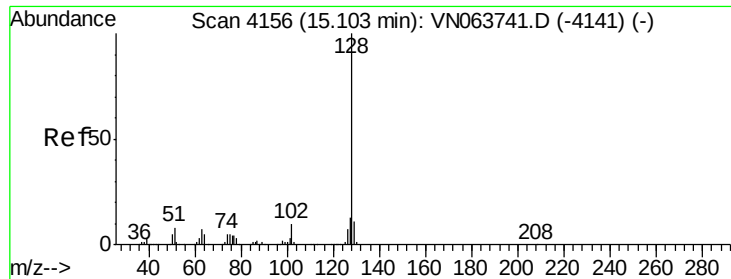
MMDadoda
10/9/2020 4:53:29 PM



#94
Hexachlorobutadiene
Concen: 48.162 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87102		
223	61.8	30.3	91.0	
227	63.3	31.9	95.5	





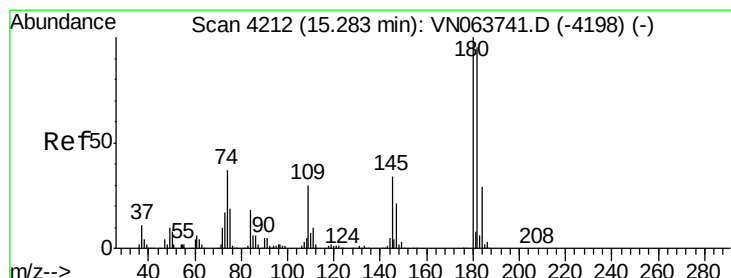
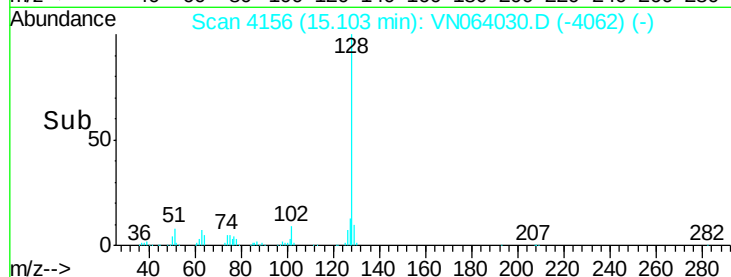
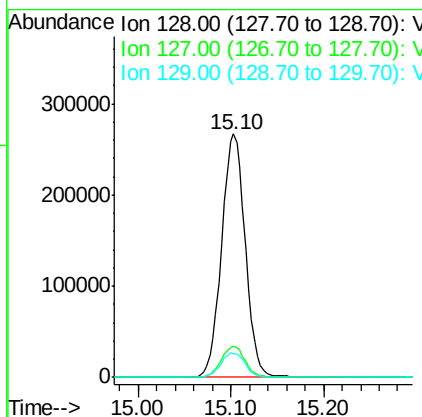
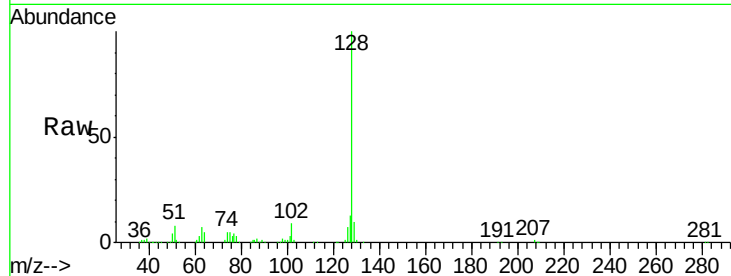
#95
Naphthalene
Concen: 42.334 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:53:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.067 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064030.D
Acq: 9 Oct 2020 8:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.6
145	33.5	17.2	51.5

