

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062098.D
 Acq On : 25 Jun 2020 5:52
 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
 6/25/2020 6:10:59 PM

Quant Time: Jun 25 06:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	244637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	426324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	181465	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	7.55	113	148559	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.06	98	581581	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.37	95	197679	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	130292	47.119	ug/l	98
3) Chloromethane	2.03	50	169712	52.191	ug/l	100
4) Vinyl Chloride	2.16	62	209333	48.071	ug/l	100
5) Bromomethane	2.52	94	115927	41.191	ug/l	100
6) Chloroethane	2.67	64	144739	48.657	ug/l	97
7) Trichlorofluoromethane	2.98	101	252583	47.073	ug/l	96
8) Diethyl Ether	3.37	74	96042	51.259	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	129690	46.155	ug/l	98
10) Methyl Iodide	3.91	142	152087	48.060	ug/l	100
11) Tert butyl alcohol	4.73	59	100234	203.350	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	136889	48.732	ug/l	99
13) Acrolein	3.57	56	109634	227.177	ug/l	100
14) Allyl chloride	4.27	41	183366	47.946	ug/l	100
15) Acrylonitrile	4.93	53	329896	245.603	ug/l	99
16) Acetone	3.77	43	252082	233.666	ug/l	99
17) Carbon Disulfide	4.01	76	403701	50.175	ug/l	99
18) Methyl Acetate	4.28	43	131988	48.363	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	455924	50.794	ug/l	98
20) Methylene Chloride	4.50	84	163320	51.830	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	151038	47.199	ug/l	96
22) Diisopropyl ether	5.90	45	435646	50.029	ug/l	99
23) Vinyl Acetate	5.84	43	1824307	256.601	ug/l	100
24) 1,1-Dichloroethane	5.80	63	268697	47.918	ug/l	100
25) 2-Butanone	6.79	43	392905	234.145	ug/l	100
26) 2,2-Dichloropropane	6.77	77	160155	34.275	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	176174	48.925	ug/l	95
28) Bromochloromethane	7.15	49	117769	48.406	ug/l	98
29) Tetrahydrofuran	7.17	42	268421	244.197	ug/l	99
30) Chloroform	7.33	83	280434	49.155	ug/l	97
31) Cyclohexane	7.61	56	227976	48.065	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	237442	49.351	ug/l	99
36) 1,1-Dichloropropene	7.75	75	212311	46.916	ug/l	99
37) Ethyl Acetate	6.88	43	174556	46.583	ug/l	99
38) Carbon Tetrachloride	7.73	117	199406	46.739	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	227946	45.972	ug/l	99
40) Benzene	8.00	78	646319	46.859	ug/l	98
41) Methacrylonitrile	7.14	41	83173m	47.877	ug/l	
42) 1,2-Dichloroethane	8.09	62	220311	47.276	ug/l	100
43) Isopropyl Acetate	8.13	43	293376	48.027	ug/l	99
44) Trichloroethene	8.80	130	157526	45.275	ug/l	98
45) 1,2-Dichloropropane	9.09	63	162947	47.886	ug/l	99
46) Dibromomethane	9.18	93	108586	47.066	ug/l	100
47) Bromodichloromethane	9.37	83	227915	48.926	ug/l	99
48) Methyl methacrylate	9.17	41	138574	50.594	ug/l	97
49) 1,4-Dioxane	9.17	88	49371	812.842	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	873047	244.621	ug/l	100
52) Toluene	10.12	92	412186	48.977	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	237357	46.313	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	256381	46.987	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	161586	48.844	ug/l	99
56) Ethyl methacrylate	10.40	69	227778	51.593	ug/l	100
57) 1,3-Dichloropropane	10.68	76	275060	48.305	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	433510	231.879	ug/l	100
59) 2-Hexanone	10.72	43	641859	249.058	ug/l	100
60) Dibromochloromethane	10.87	129	172206	49.168	ug/l	99
61) 1,2-Dibromoethane	10.98	107	164035	48.257	ug/l	100
64) Tetrachloroethene	10.60	164	130392	44.775	ug/l	99
65) Chlorobenzene	11.41	112	430914	46.027	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	153972	47.561	ug/l	99
67) Ethyl Benzene	11.48	91	779505	49.300	ug/l	99
68) m/p-Xylenes	11.59	106	600072	98.121	ug/l	100
69) o-Xylene	11.92	106	288182	49.943	ug/l	99
70) Styrene	11.94	104	490864	51.009	ug/l	100
71) Bromoform	12.10	173	113403	49.268	ug/l #	99
73) Isopropylbenzene	12.22	105	751844	47.380	ug/l	100
74) N-amyl acetate	12.04	43	274087	47.128	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	238634	45.191	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	196057m	40.627	ug/l	
77) Bromobenzene	12.50	156	178216	45.237	ug/l	98
78) n-propylbenzene	12.57	91	861653	47.471	ug/l	100
79) 2-Chlorotoluene	12.65	91	510968	46.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	622524	48.394	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	70884	42.896	ug/l	98
82) 4-Chlorotoluene	12.75	91	533404	47.007	ug/l	98
83) tert-Butylbenzene	12.97	119	526547	47.829	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	625077	48.653	ug/l	100
85) sec-Butylbenzene	13.15	105	696652	47.890	ug/l	100
86) p-Isopropyltoluene	13.26	119	618456	48.526	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	324663	46.931	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	321240	45.048	ug/l	99
89) n-Butylbenzene	13.59	91	509949	48.128	ug/l	99
90) Hexachloroethane	13.85	117	118001	47.191	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	317807	47.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	41399	48.939	ug/l	100

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	148732	50.752	ug/l	99
94) Hexachlorobutadiene	14.99	225	56586	44.457	ug/l	100
95) Naphthalene	15.10	128	454507	46.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	147289	49.153	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 244637

Ion Ratio Lower Upper

168 100

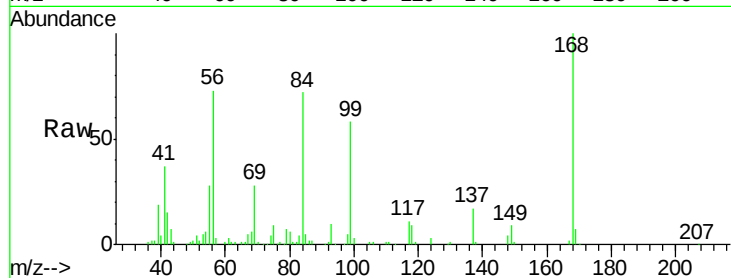
99 58.0 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

120000

100000

80000

60000

40000

20000

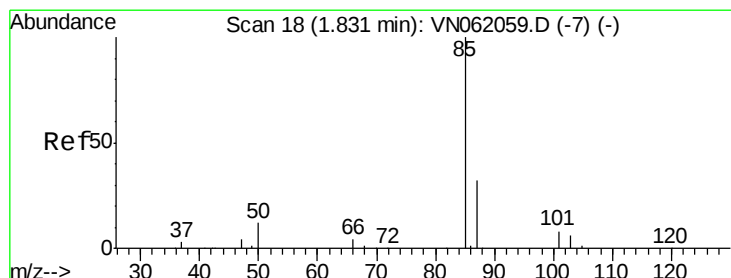
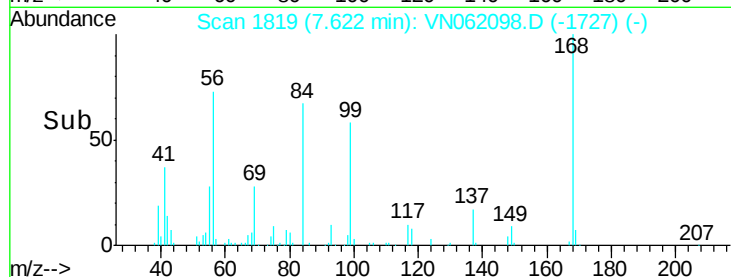
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.119 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062098.D

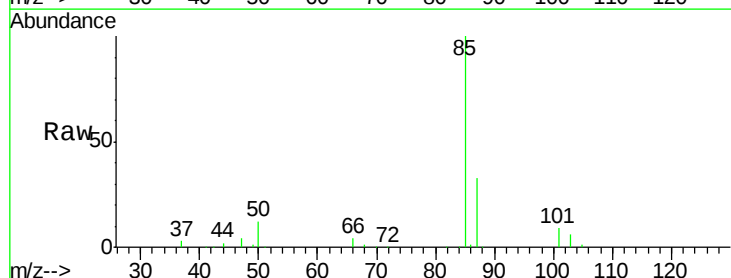
Acq: 25 Jun 2020 5:52

Tgt Ion: 85 Resp: 130292

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

20000

0

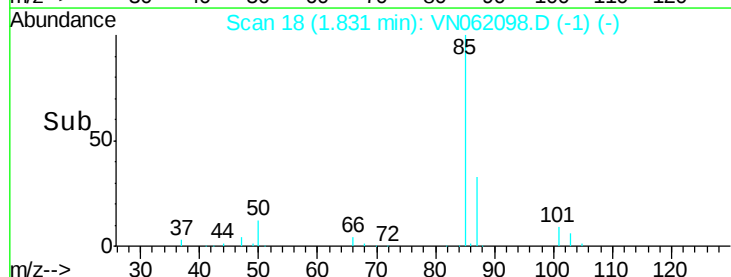
1.75

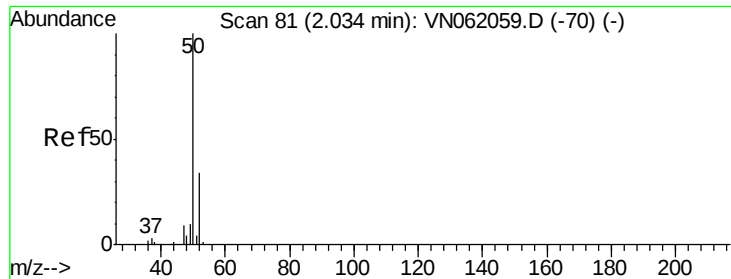
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 52.191 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 169712

Ion Ratio Lower Upper

50 100

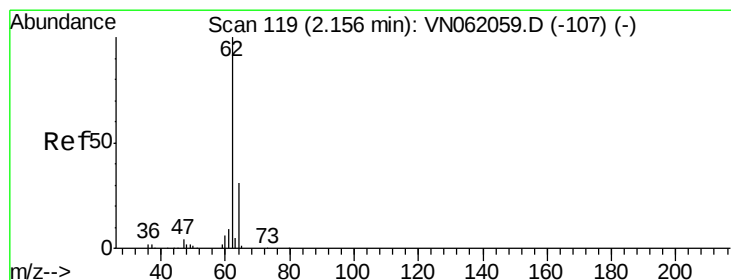
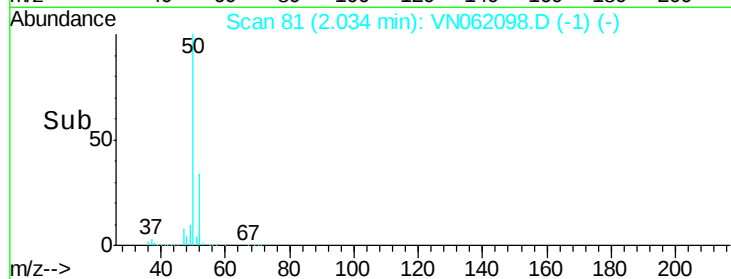
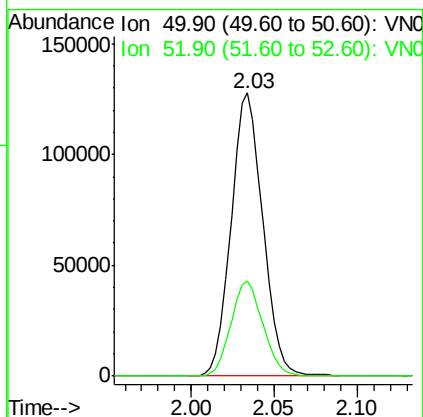
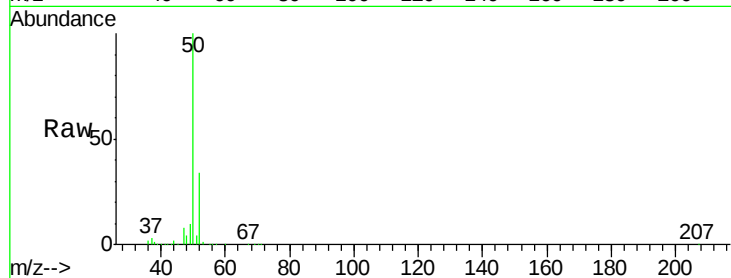
52 33.7 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.071 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062098.D

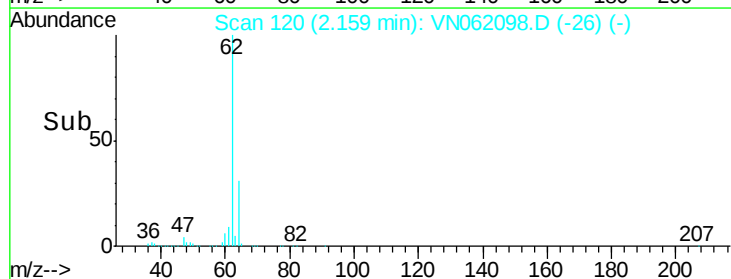
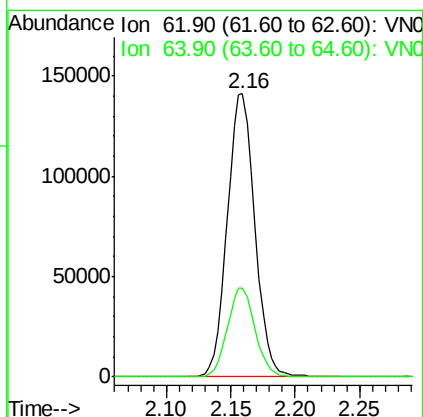
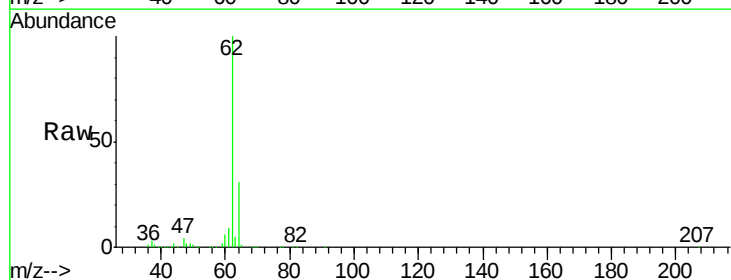
Acq: 25 Jun 2020 5:52

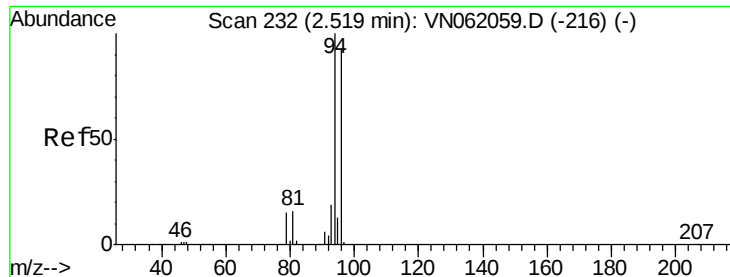
Tgt Ion: 62 Resp: 209333

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 41.191 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 115927

Ion Ratio Lower Upper

94 100

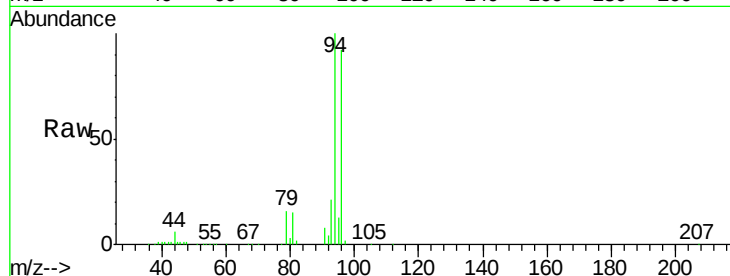
96 92.2 73.4 110.2

Manual Integrations

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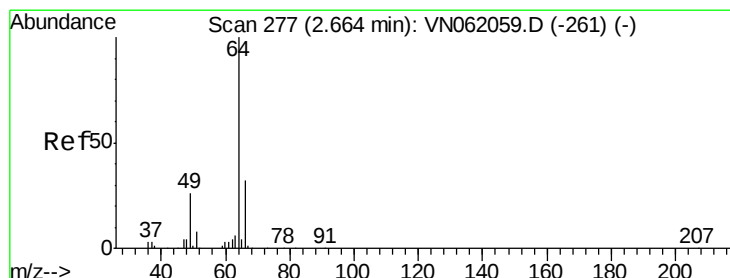
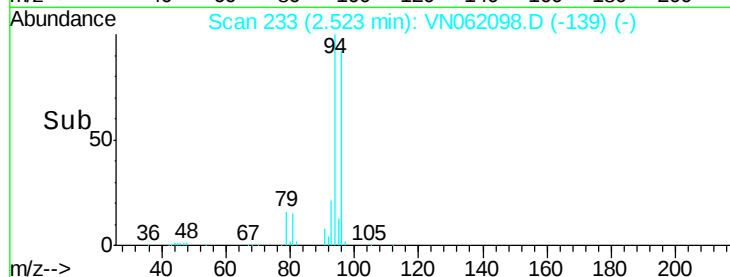
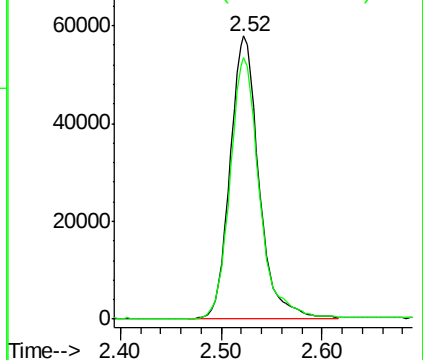
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.657 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062098.D

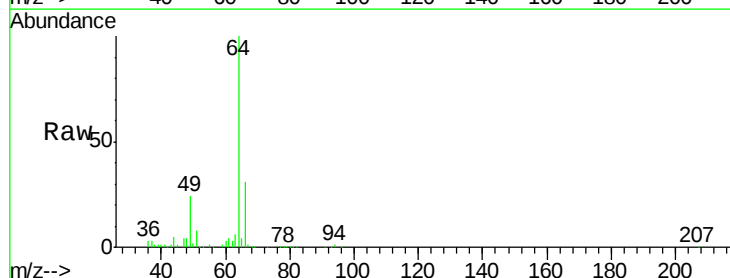
Acq: 25 Jun 2020 5:52

Tgt Ion: 64 Resp: 144739

Ion Ratio Lower Upper

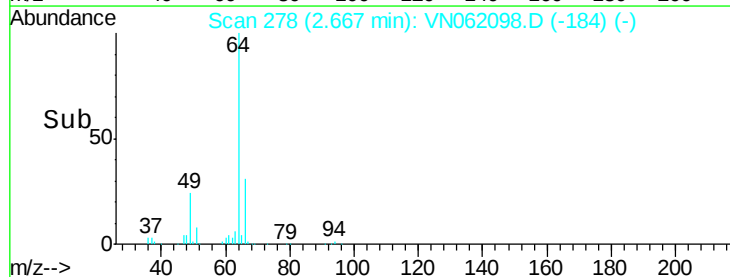
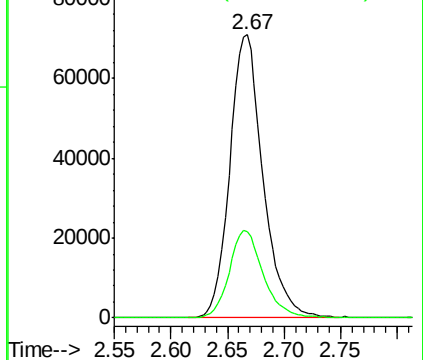
64 100

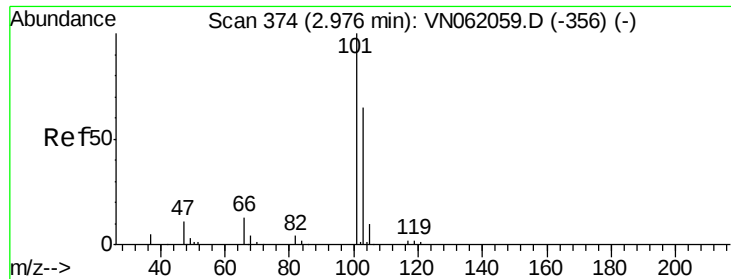
66 30.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

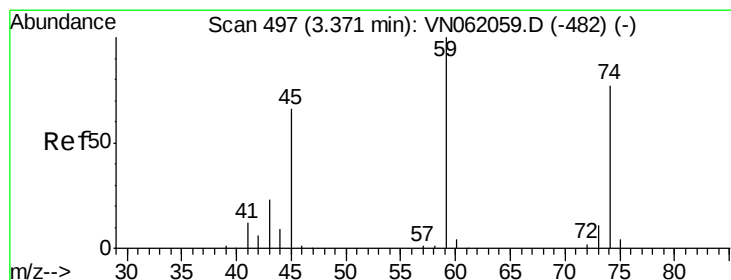
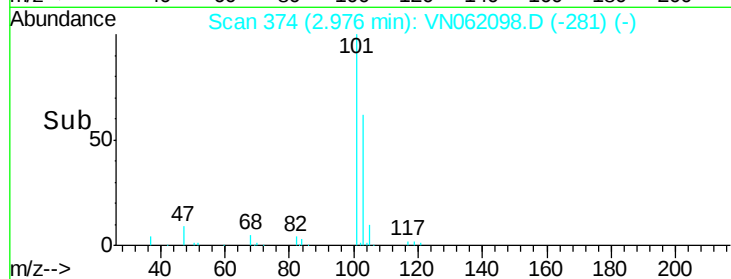
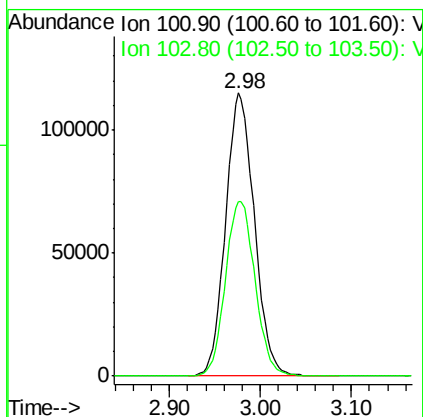
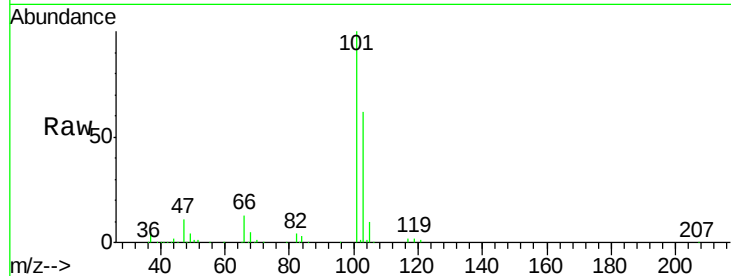
Trichlorofluoromethane
Concen: 47.073 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.8	77.6

Manual Integrations
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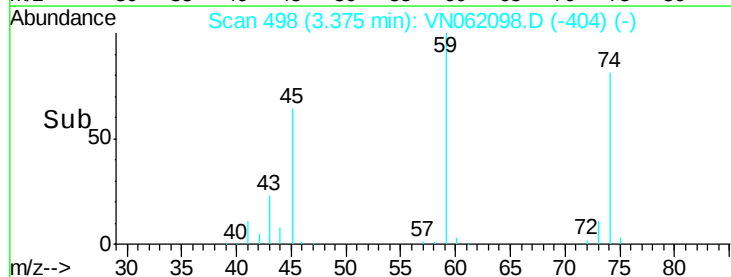
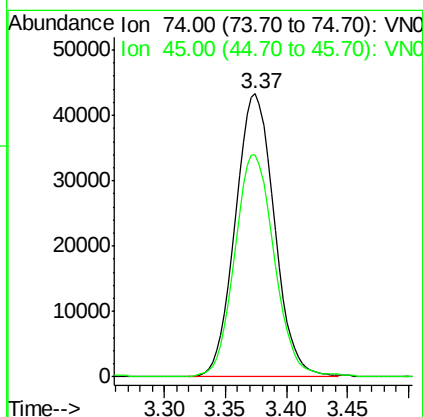
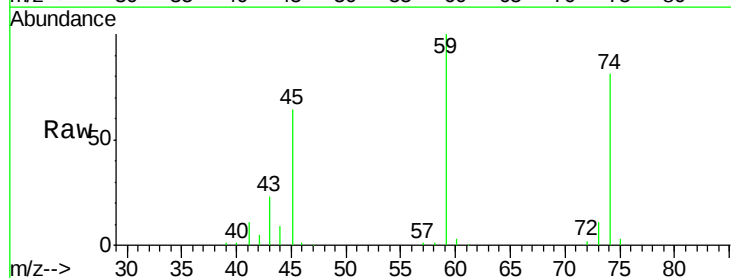
MMDadoda
6/25/2020 6:10:59 PM

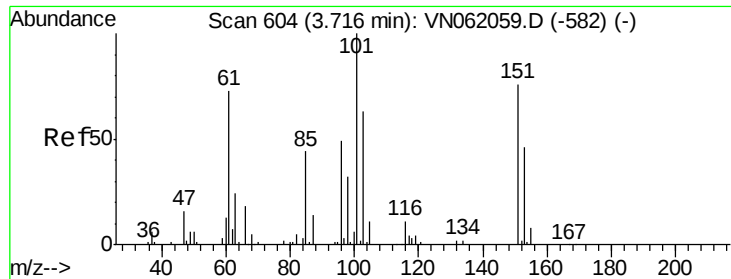


#8

Diethyl Ether
Concen: 51.259 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.7	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.155 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

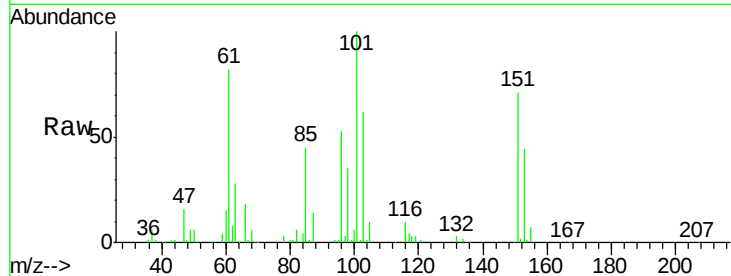
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	129690
Ion Ratio	Lower	Upper	
101	100		
85	45.3	34.5	51.7
151	71.6	57.8	86.8

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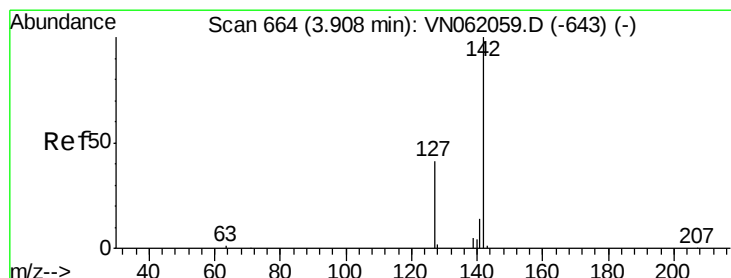
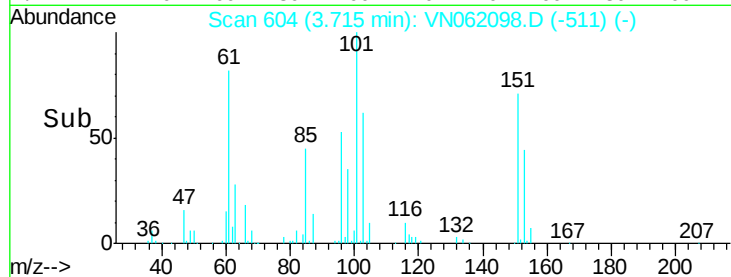
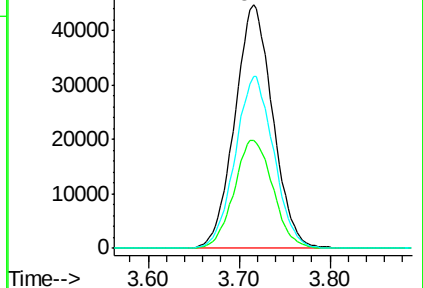
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.060 ug/l

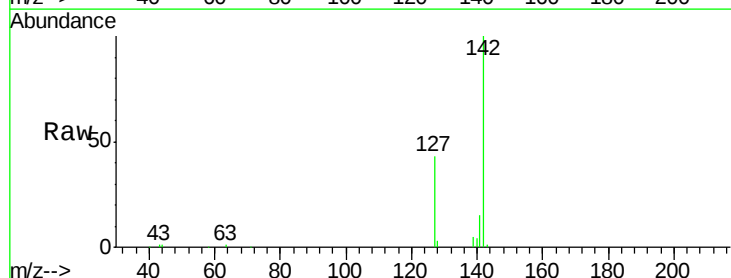
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

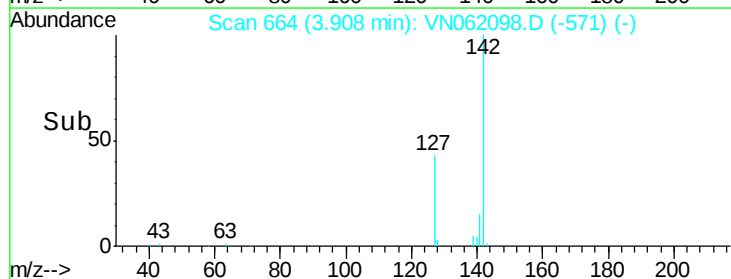
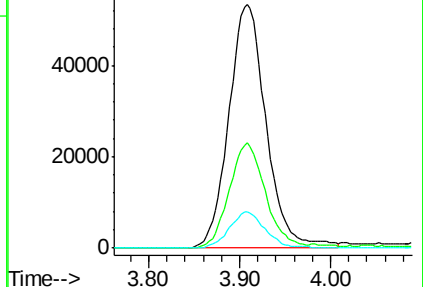
Tgt Ion:	142	Resp:	152087
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	14.3	11.3	16.9

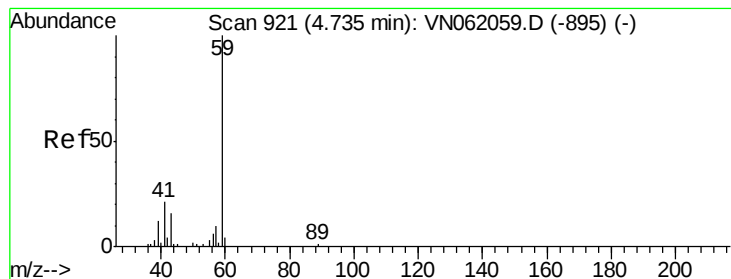


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

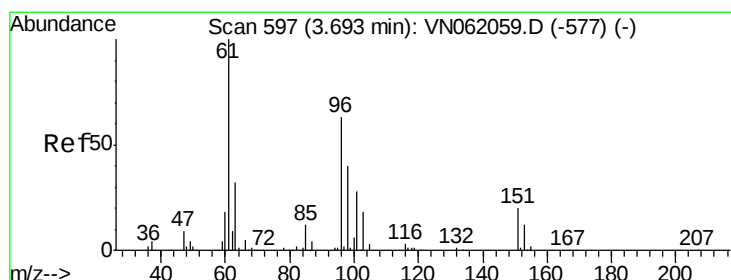
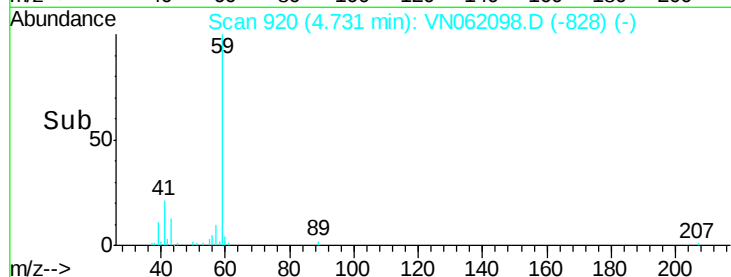
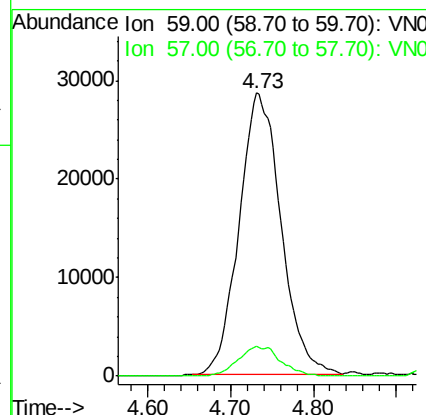
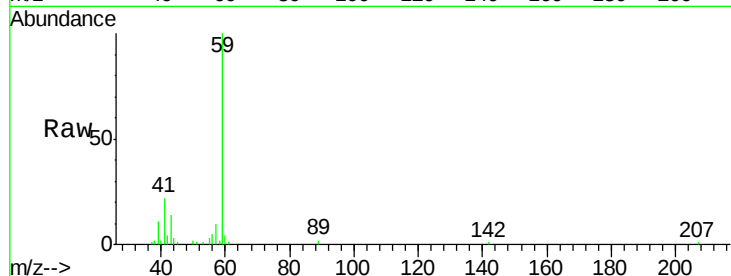
Tert butyl alcohol
 Concen: 203.350 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	8.3	12.5#

Manual Integrations
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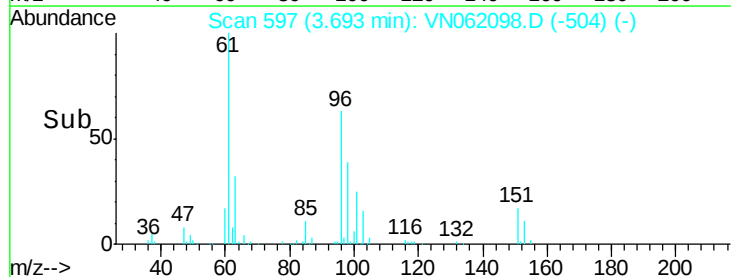
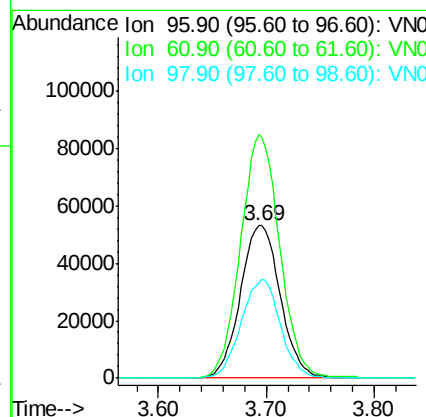
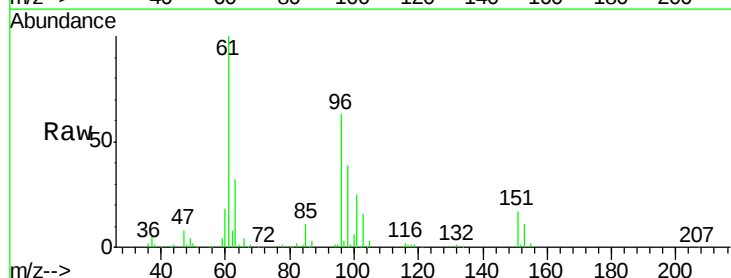
MMDadoda
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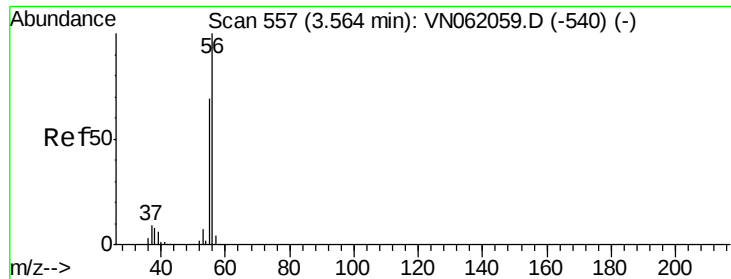


#12

1,1-Dichloroethene
 Concen: 48.732 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	126.7	190.1
98	62.5	51.0	76.4





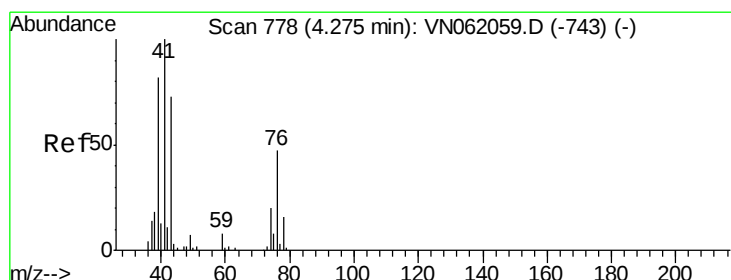
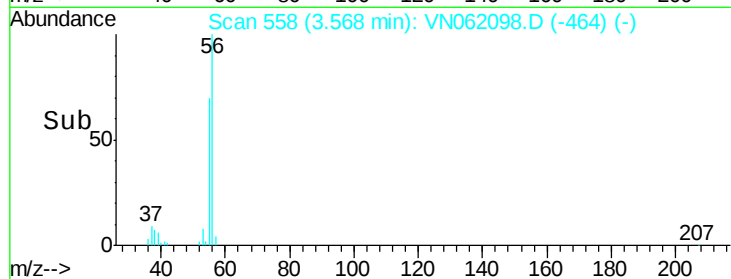
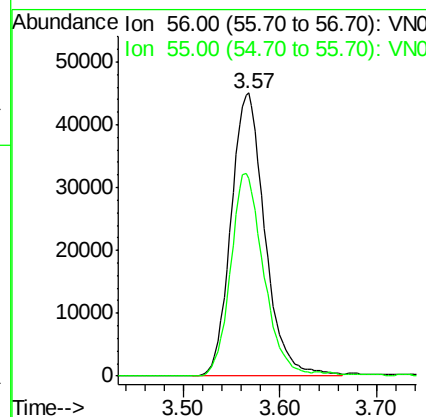
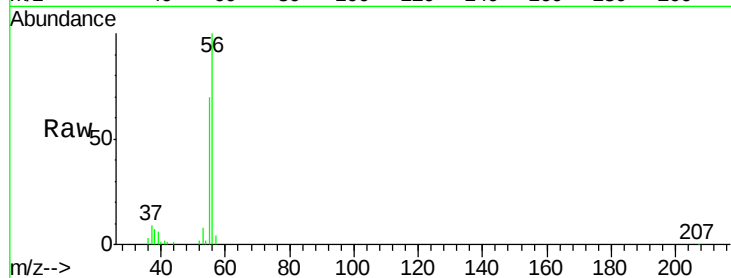
#13
Acrolein
Concen: 227.177 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	109634
Ion Ratio	100	Lower	Upper
56	100		
55	69.3	55.5	83.3

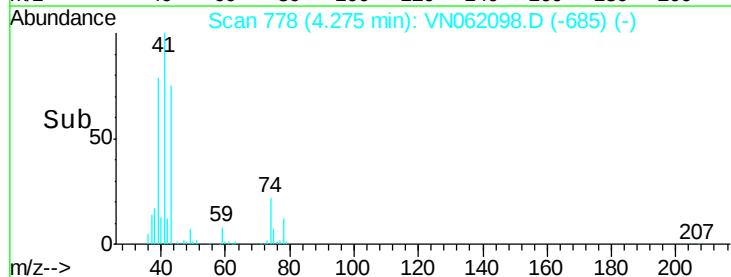
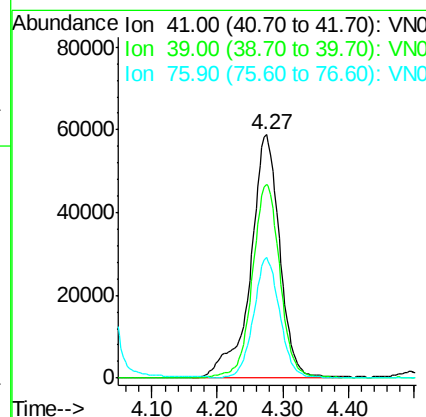
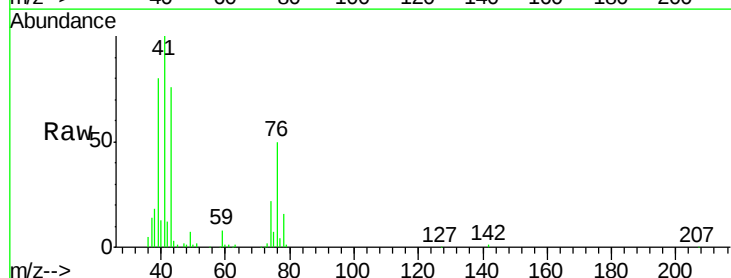
Manual Integrations
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#14
Allyl chloride
Concen: 47.946 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	41	Resp	183366
Ion Ratio	100	Lower	Upper
41	100		
39	75.2	60.0	90.0
76	43.1	34.1	51.1





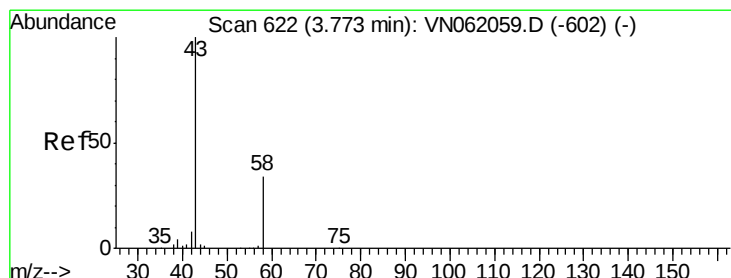
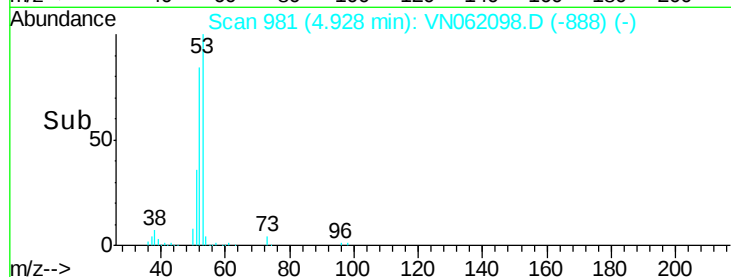
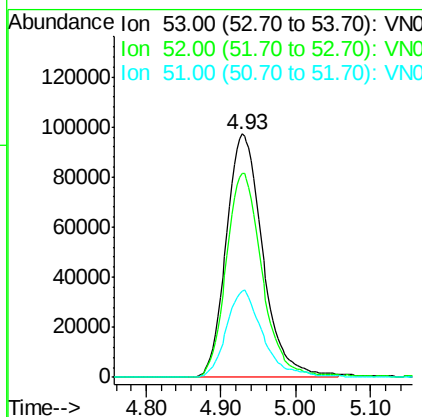
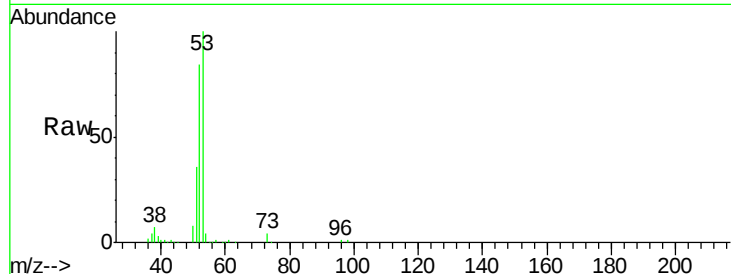
#15
 Acrylonitrile
 Concen: 245.603 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	329896
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.4
51	35.7	28.9	43.3

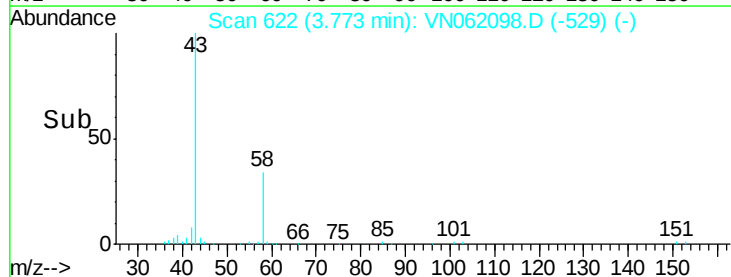
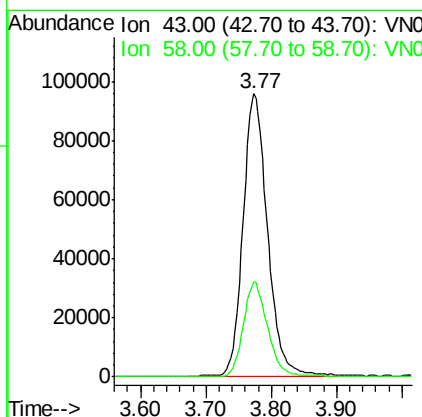
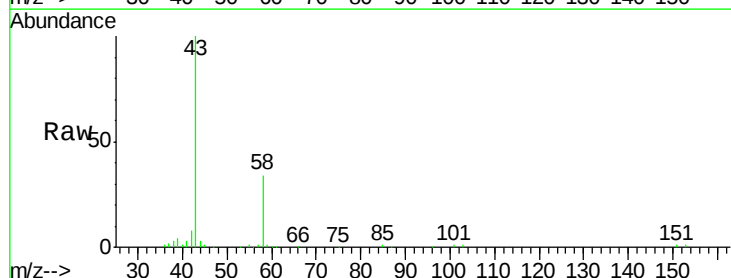
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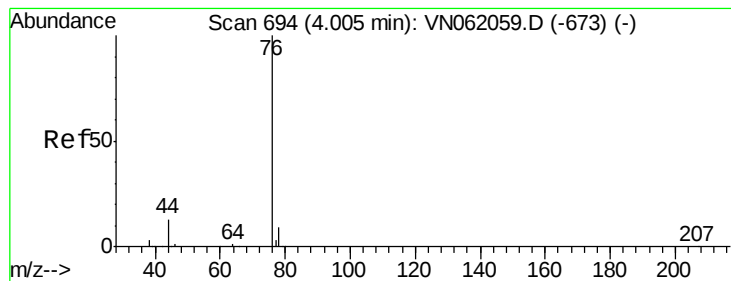
MMDadoda
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#16
 Acetone
 Concen: 233.666 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion:	43	Resp:	252082
Ion Ratio	Lower	Upper	
43	100		
58	33.7	27.5	41.3





#17

Carbon Disulfide

Concen: 50.175 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 403701

Ion Ratio Lower Upper

76 100

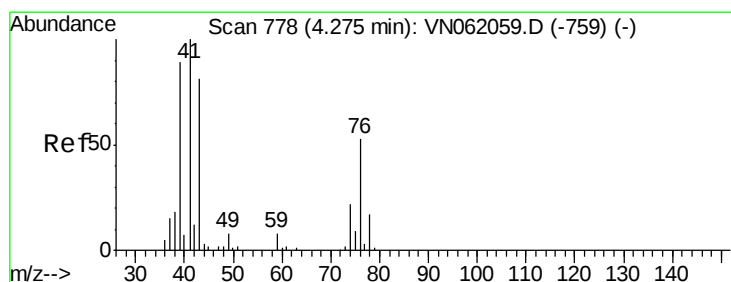
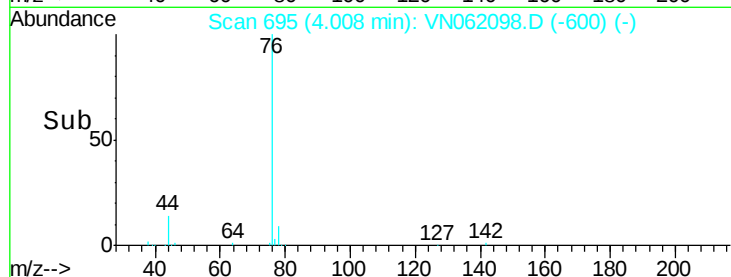
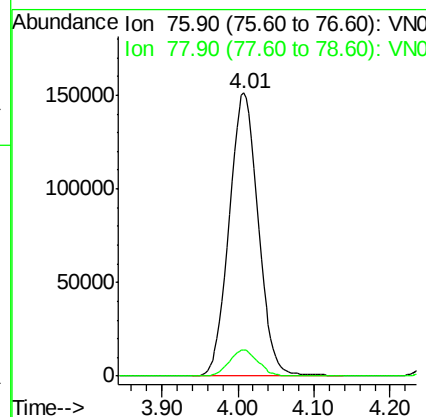
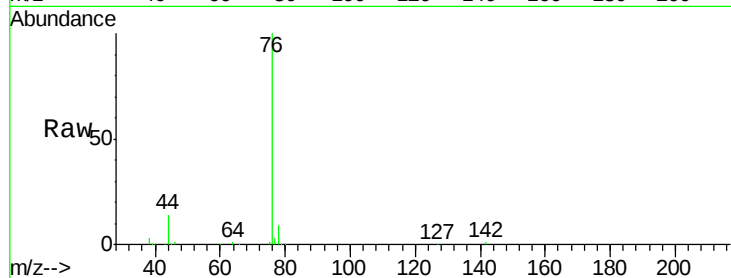
78 9.3 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 48.363 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062098.D

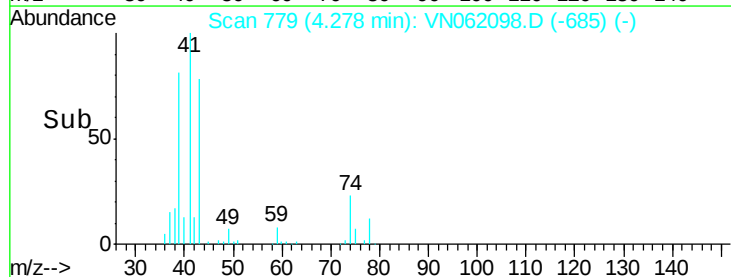
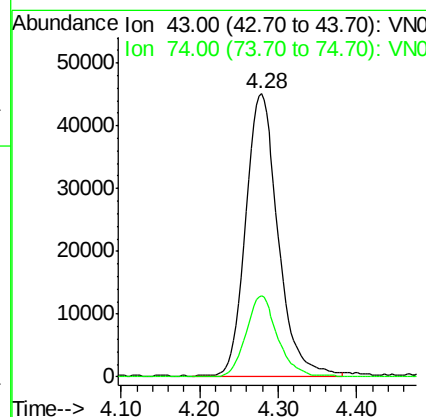
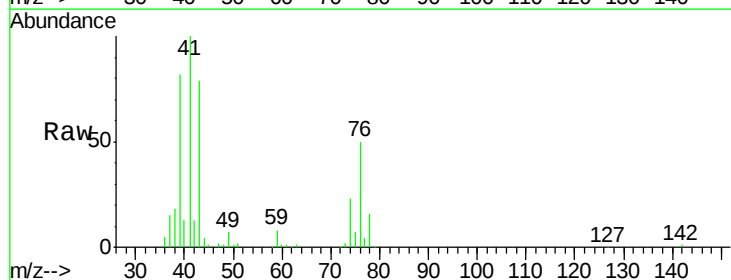
Acq: 25 Jun 2020 5:52

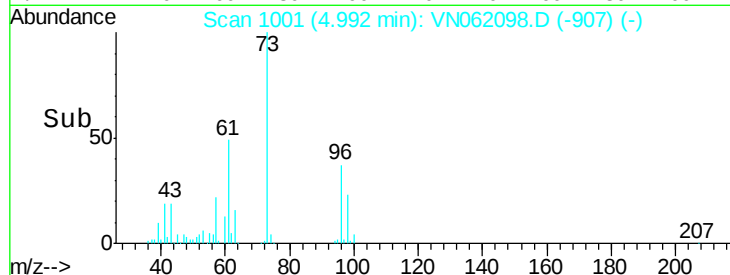
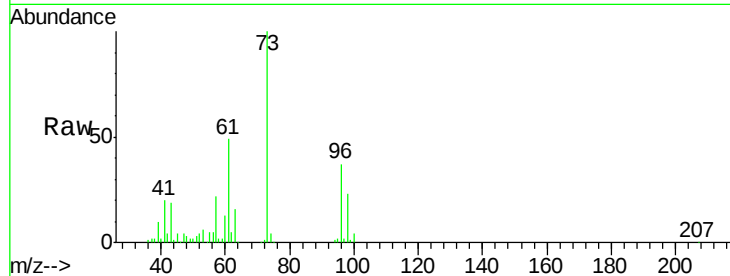
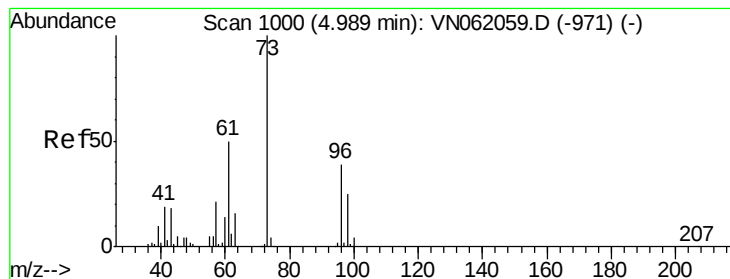
Tgt Ion: 43 Resp: 131988

Ion Ratio Lower Upper

43 100

74 27.5 22.9 34.3





#19

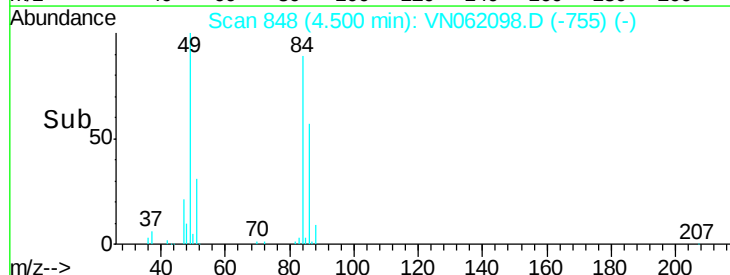
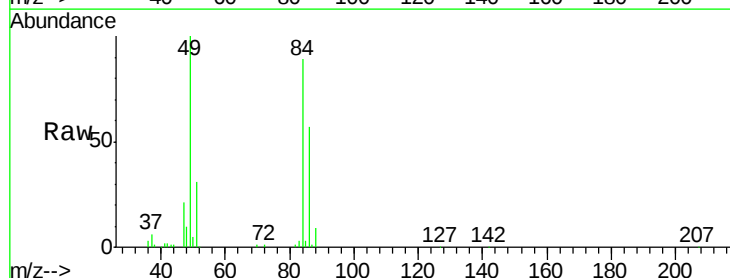
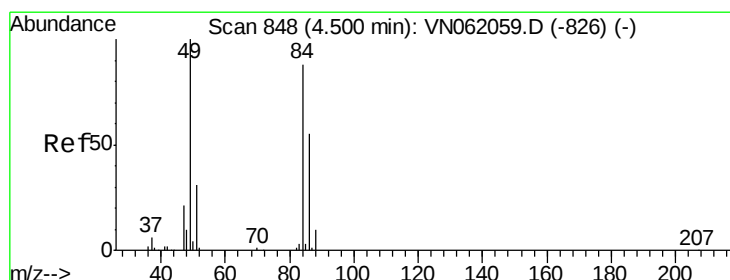
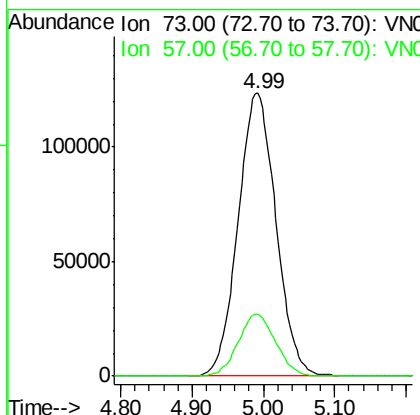
Methyl tert-butyl Ether
Concen: 50.794 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tot Ion	73	Resp	455924
Ion Ratio	100	Lower	Upper
73	100		
57	21.8	16.6	24.8

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Manual Integrations
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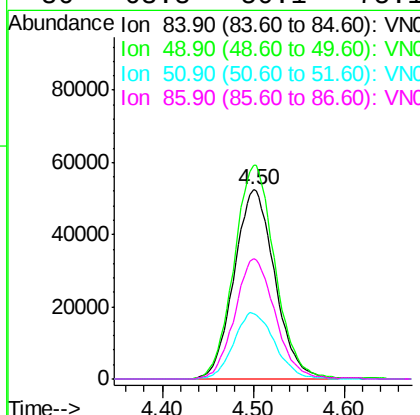
MMDadoda
6/25/2020 6:10:59 PM



#20

Methylene Chloride
Concen: 51.830 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	84	Resp	163320
Ion Ratio	100	Lower	Upper
84	100		
49	113.0	90.6	136.0
51	34.6	27.8	41.8
86	63.8	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 47.199 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

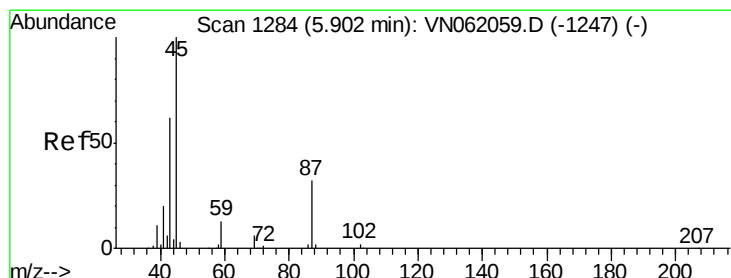
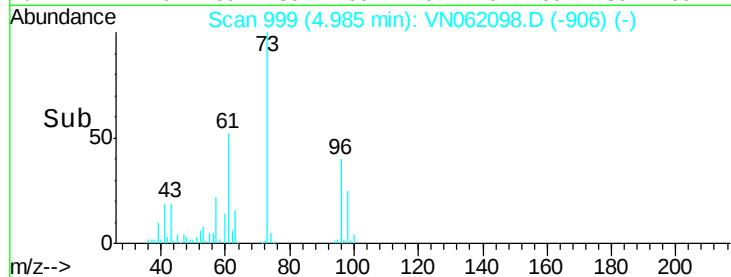
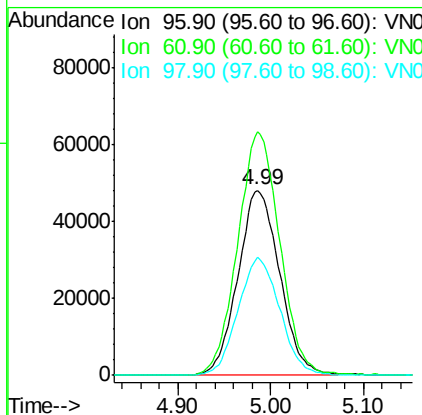
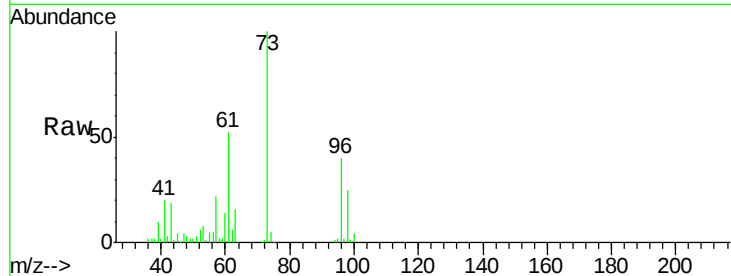
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	151038
Ion	Ratio	Lower	Upper
96	100		
61	131.5	101.4	152.2
98	63.6	49.3	73.9

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#22

Diisopropyl ether

Concen: 50.029 ug/l

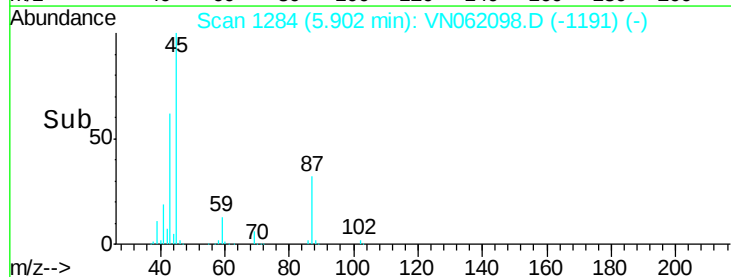
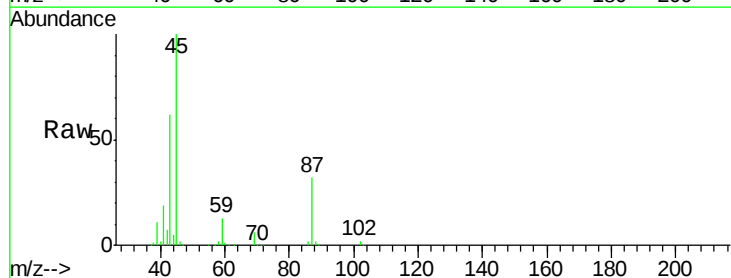
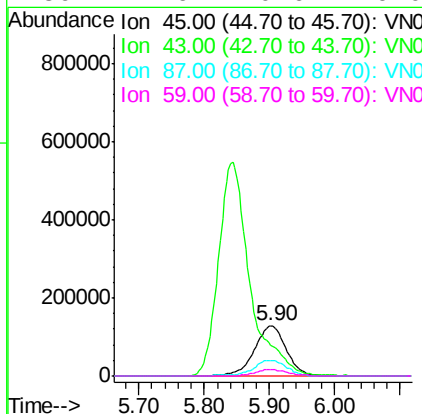
RT: 5.90 min Scan# 1284

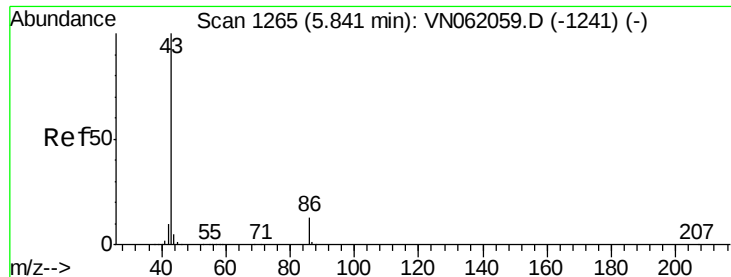
Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion:	45	Resp:	435646
Ion	Ratio	Lower	Upper
45	100		
43	61.4	49.7	74.5
87	31.9	25.9	38.9
59	12.6	10.6	16.0





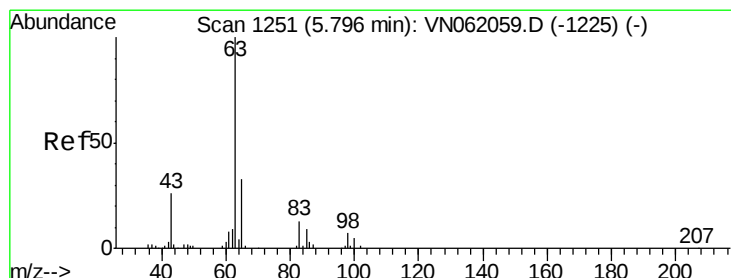
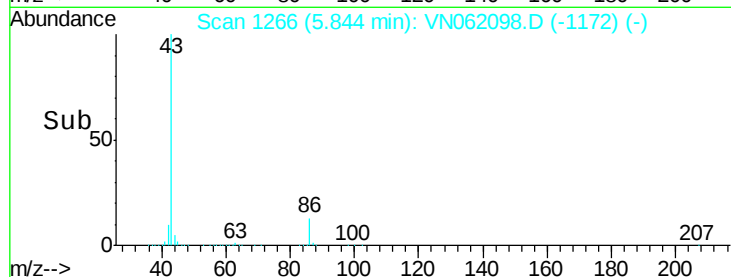
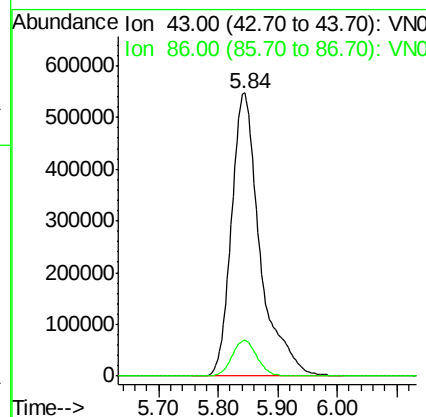
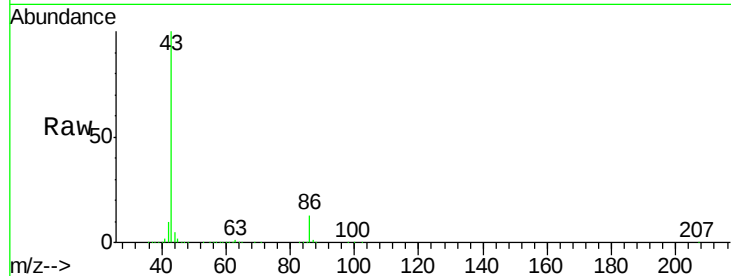
#23
 Vinyl Acetate
 Concen: 256.601 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1824307
 Ion Ratio Lower Upper
 43 100
 86 12.7 10.1 15.1

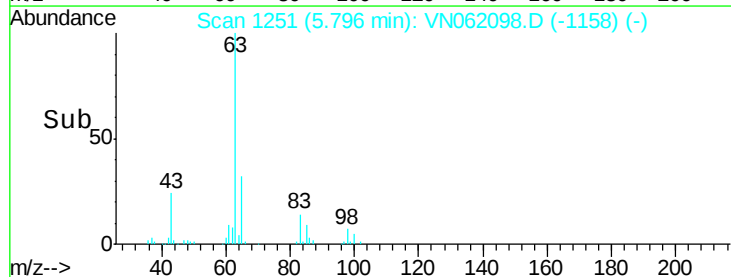
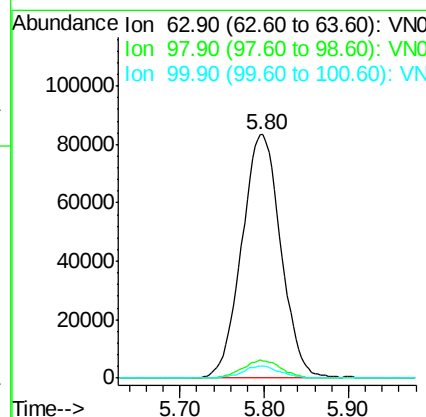
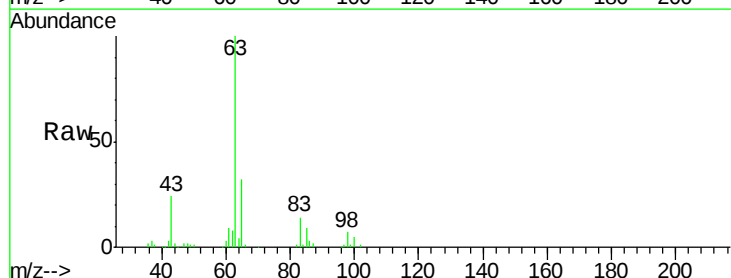
Manual Integrations
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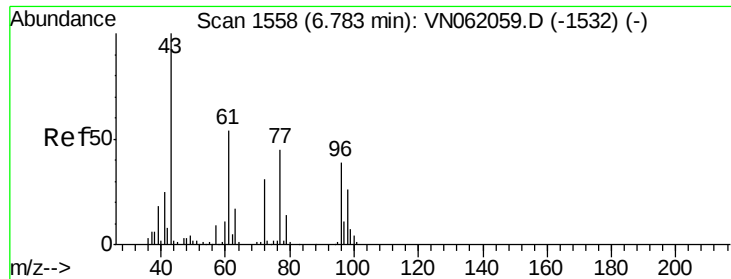
MMDadoda
 6/25/2020 6:10:59 PM



#24
 1,1-Dichloroethane
 Concen: 47.918 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion: 63 Resp: 268697
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 4.8 2.4 7.1





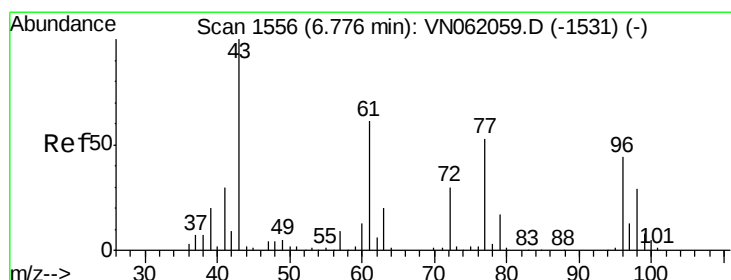
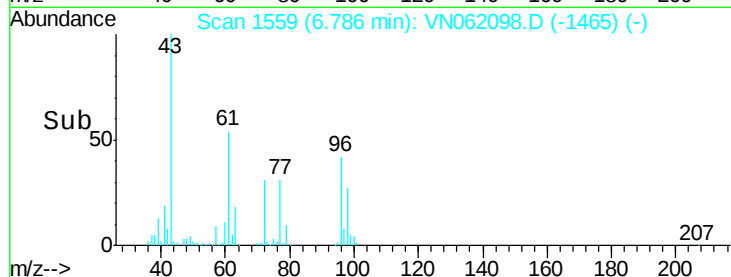
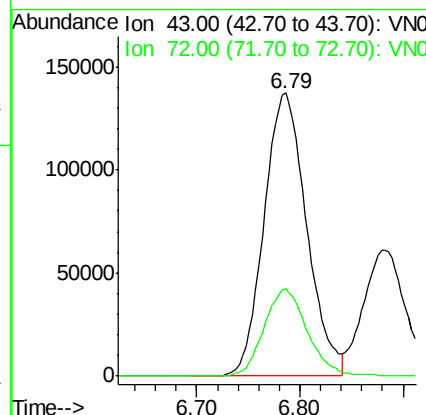
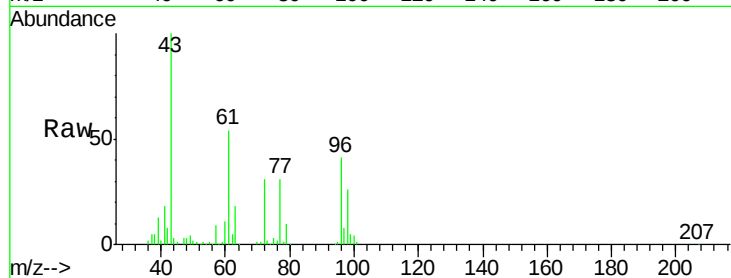
#25
2-Butanone
Concen: 234.145 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 392905
Ion Ratio Lower Upper
43 100
72 30.9 24.8 37.2

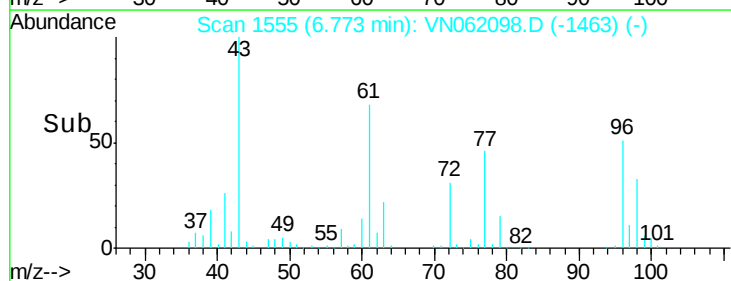
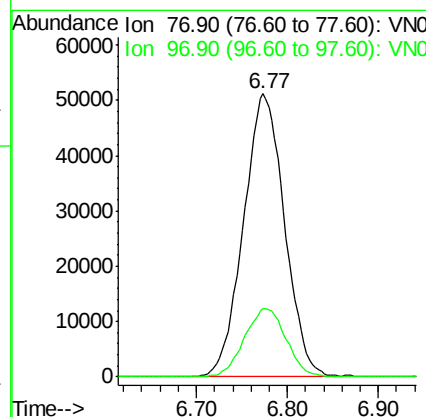
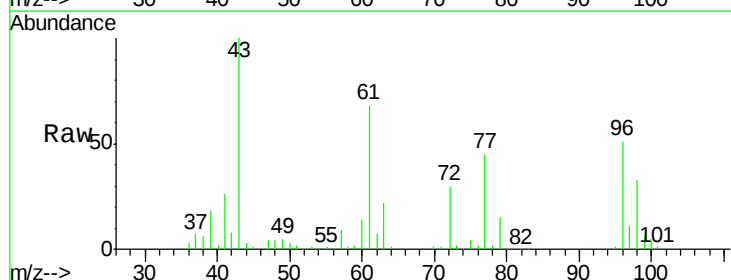
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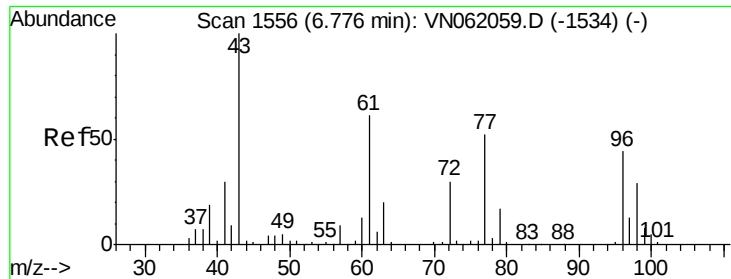
MMDadoda
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#26
2,2-Dichloropropane
Concen: 34.275 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion: 77 Resp: 160155
Ion Ratio Lower Upper
77 100
97 24.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.925 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062098.D

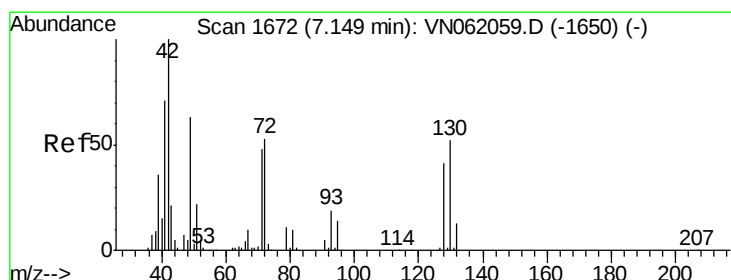
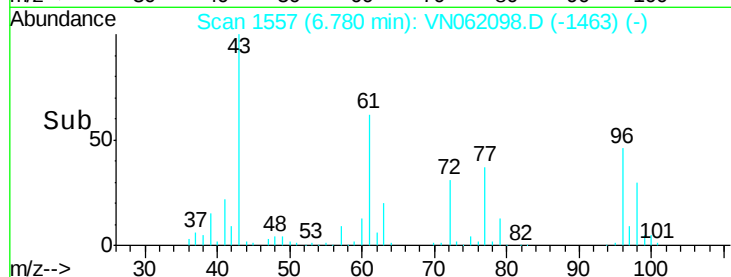
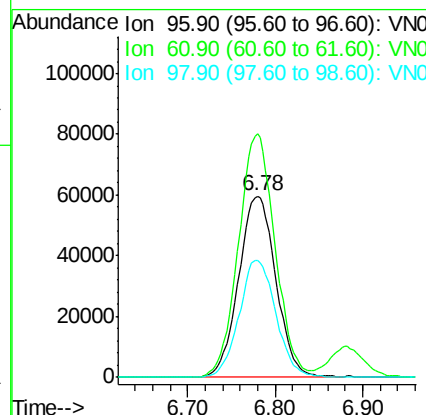
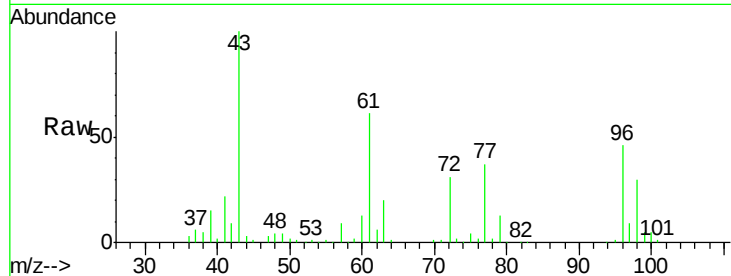
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	176174		
61	132.0	0.0	280.4	
98	63.8	0.0	129.4	

Manual Integrations
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#28

Bromochloromethane

Concen: 48.406 ug/l

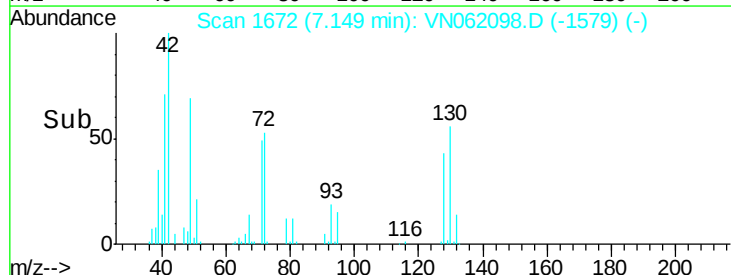
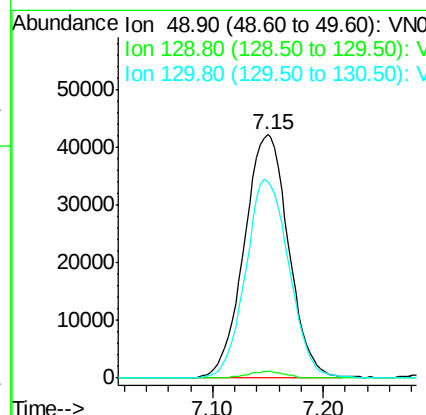
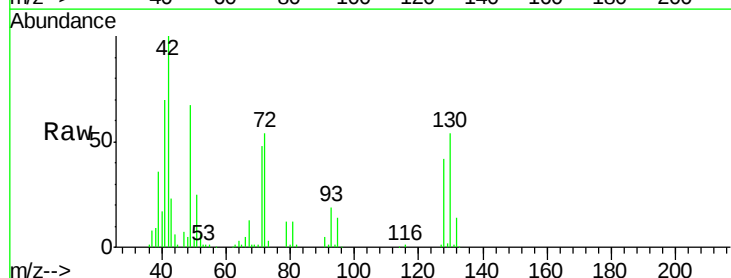
RT: 7.15 min Scan# 1672

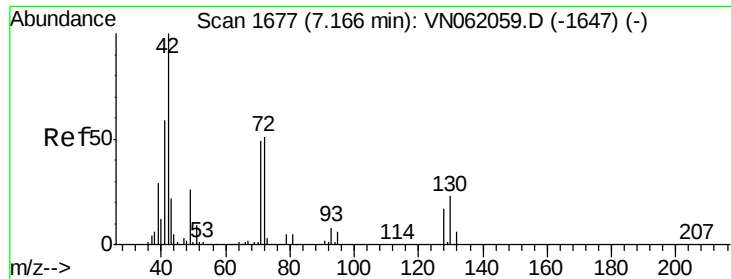
Delta R.T. 0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117769		
129	2.3	0.0	4.4	
130	80.1	65.5	98.3	





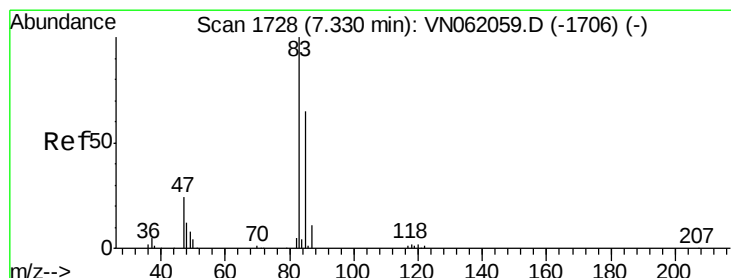
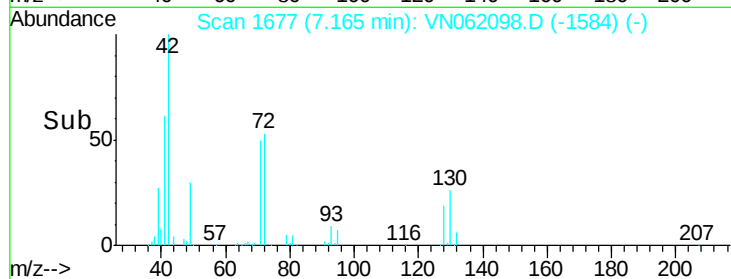
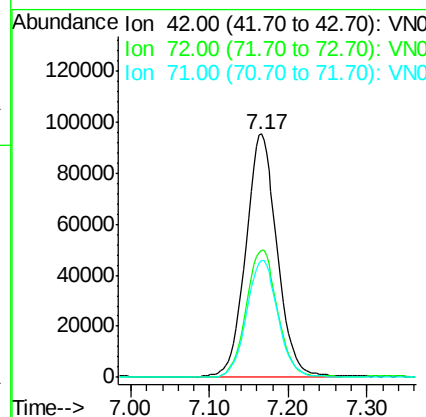
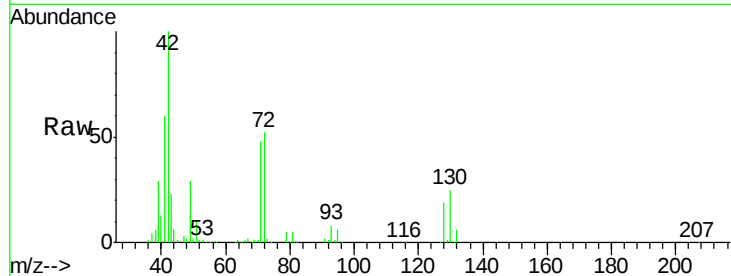
#29
Tetrahydrofuran
Concen: 244.197 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.4	41.1	61.7
71	48.1	38.2	57.4

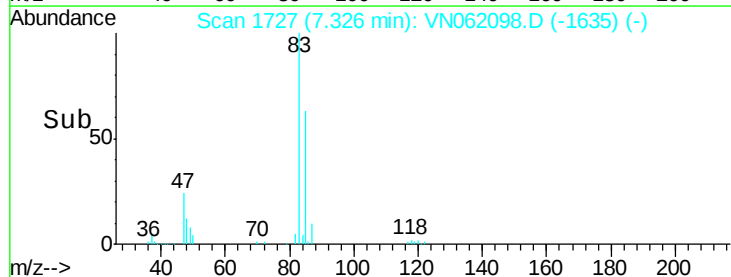
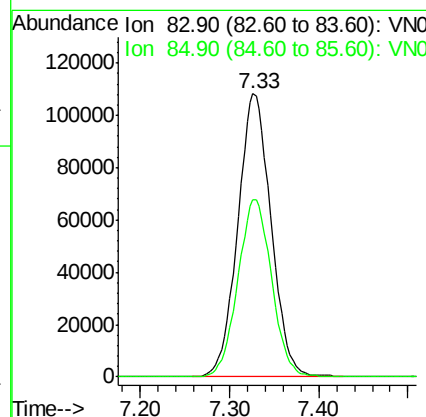
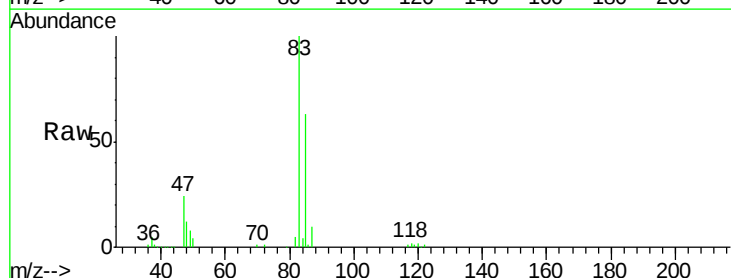
Manual Integrations
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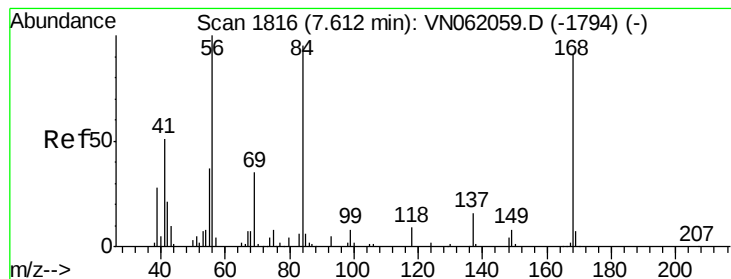
MMDadoda
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#30
Chloroform
Concen: 49.155 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.3	78.5





#31

Cyclohexane

Concen: 48.065 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 227976

Ion Ratio Lower Upper

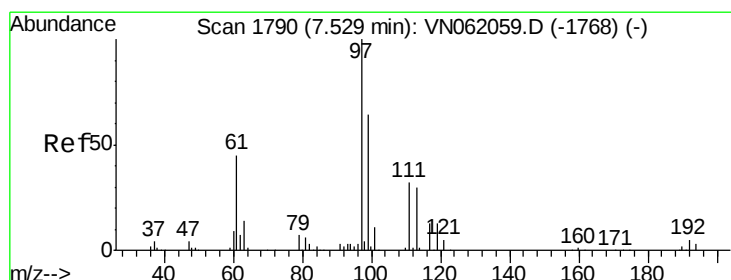
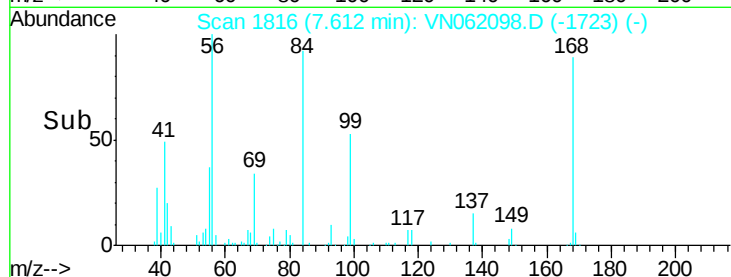
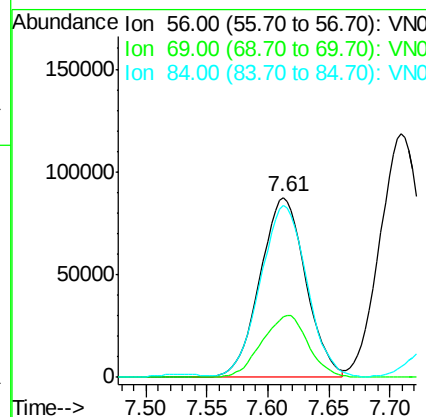
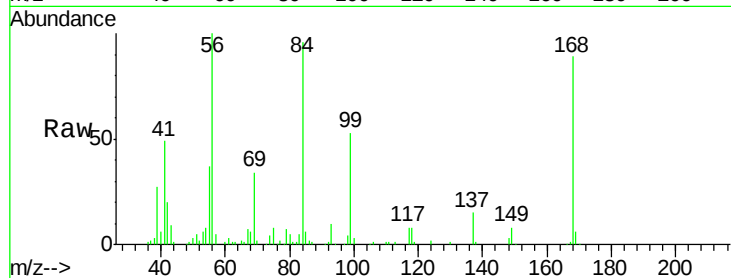
56 100

69 33.5 28.0 42.0

84 94.0 76.1 114.1

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#32

1,1,1-Trichloroethane

Concen: 49.351 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

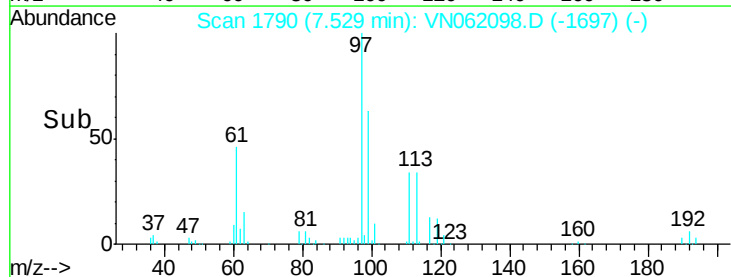
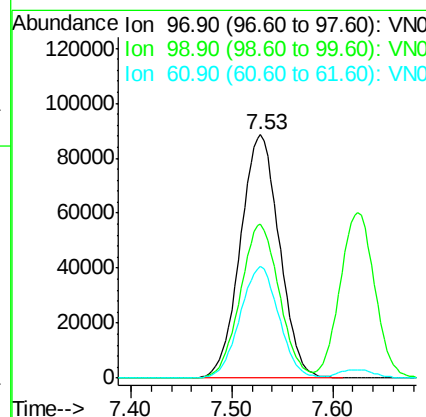
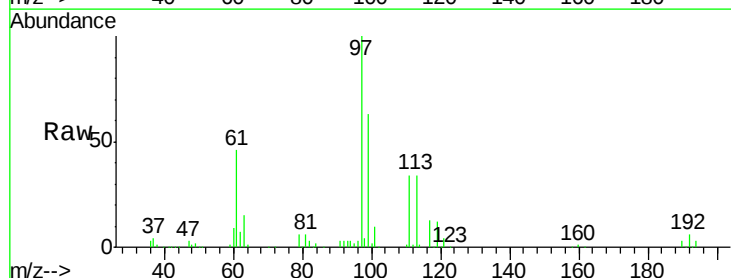
Tgt Ion: 97 Resp: 237442

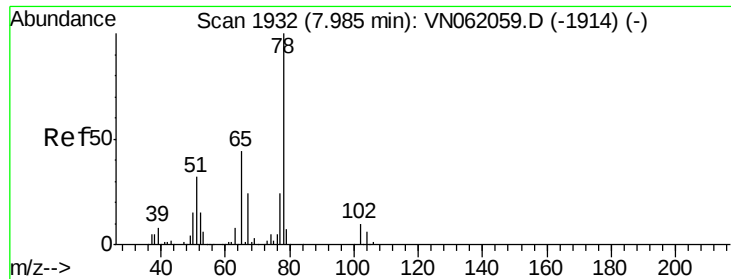
Ion Ratio Lower Upper

97 100

99 63.0 51.0 76.4

61 45.7 36.2 54.2





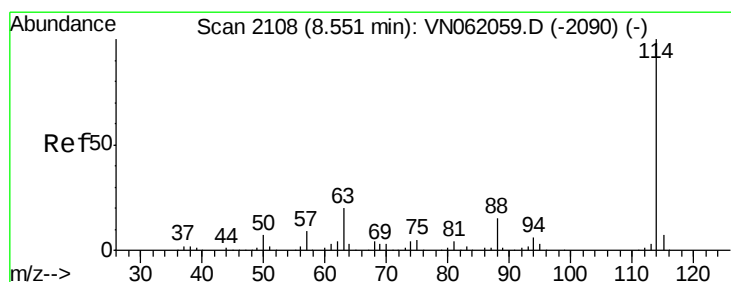
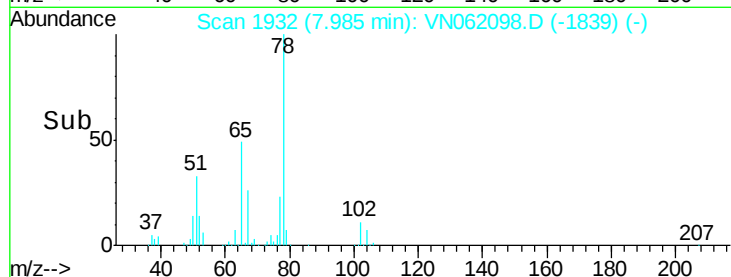
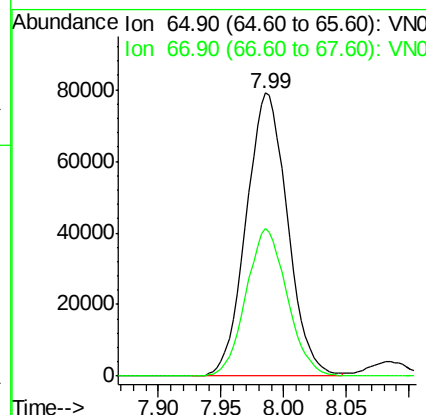
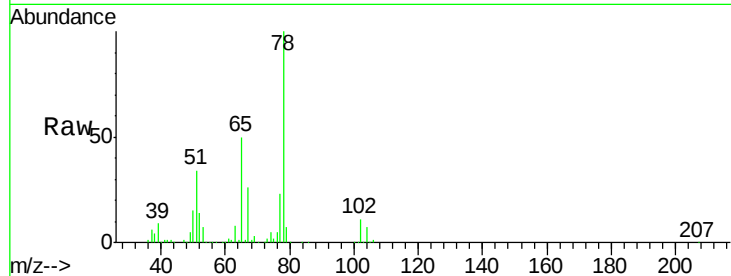
#33
 1,2-Dichloroethane-d4
 Concen: 52.858 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181465		
67	51.9	0.0	106.2	

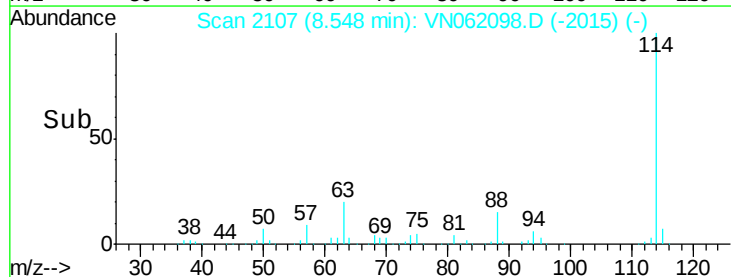
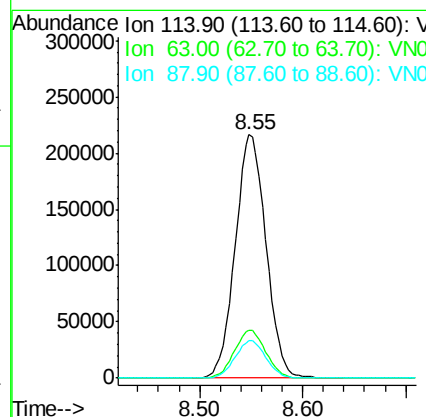
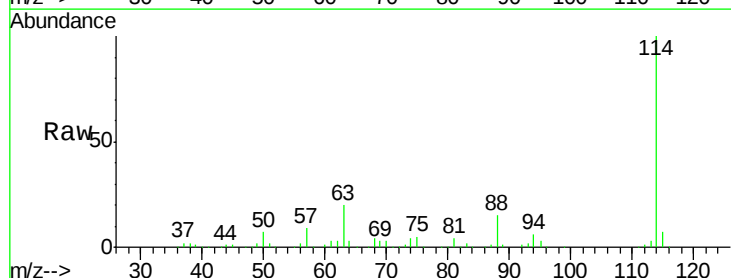
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450214		
63	19.8	0.0	39.2	
88	15.5	0.0	30.8	





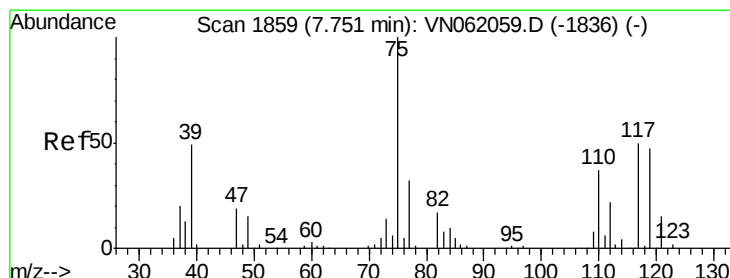
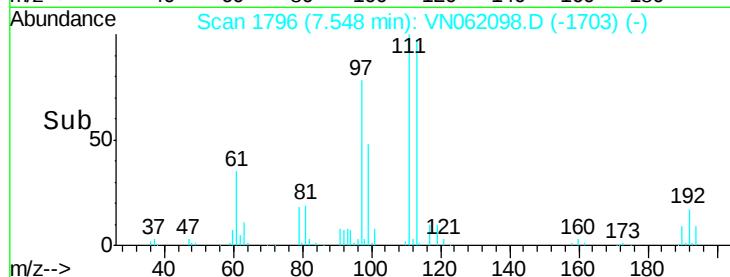
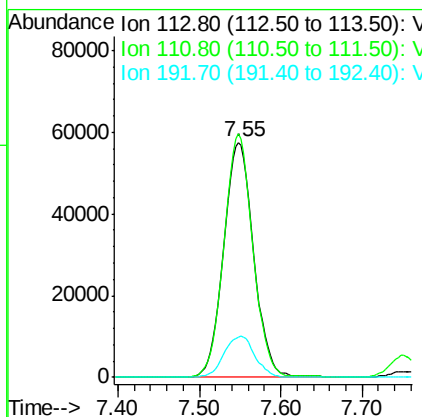
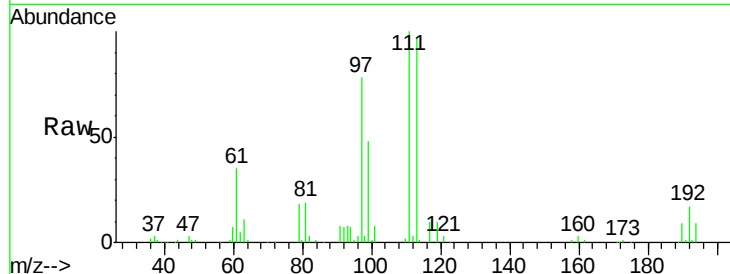
#35
 Dibromofluoromethane
 Concen: 51.434 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148559		
111	99.8	82.2	123.4	
192	17.9	14.0	21.0	

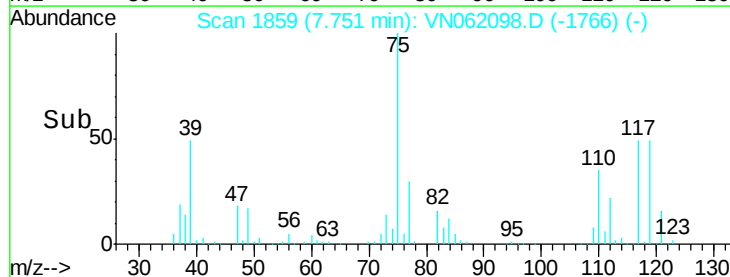
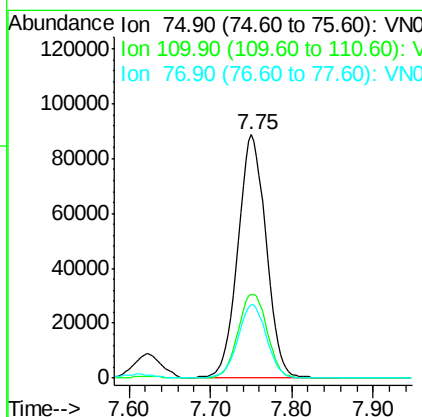
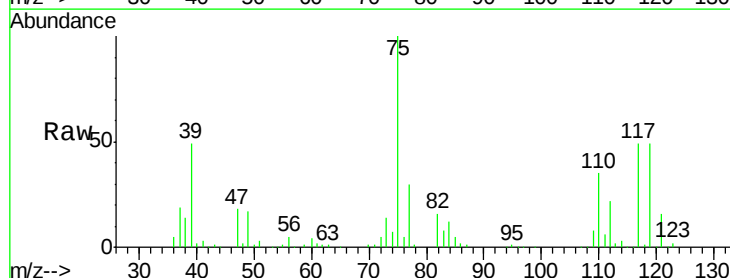
Manual Integrations
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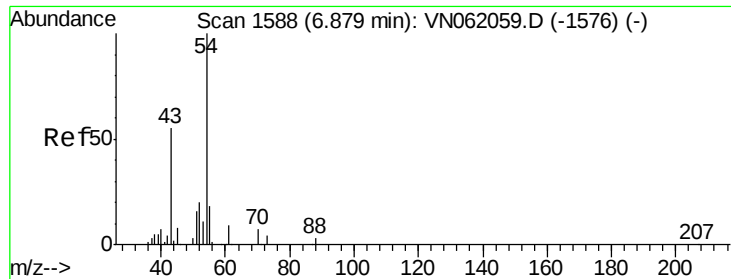
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 6/25/2020 6:10:59 PM



#36
 1,1-Dichloropropene
 Concen: 46.916 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	212311		
110	35.6	17.9	53.8	
77	30.6	24.9	37.3	





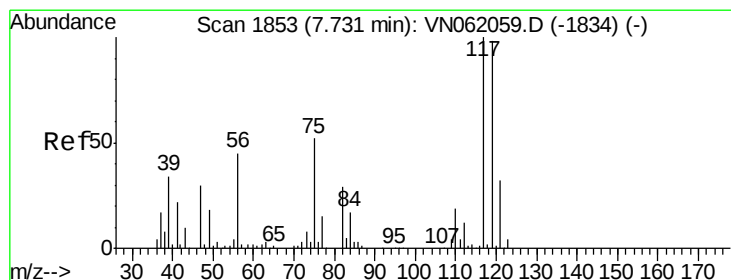
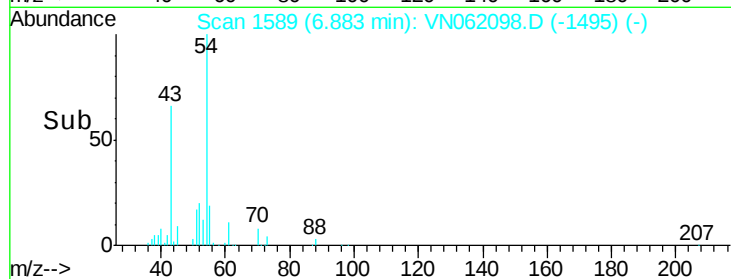
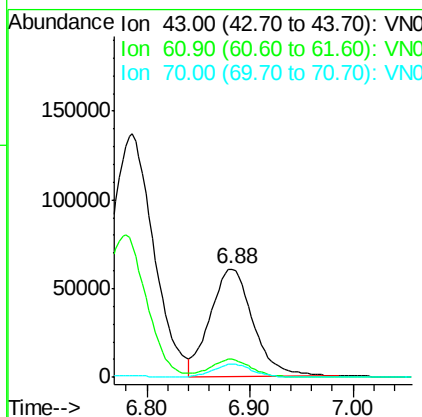
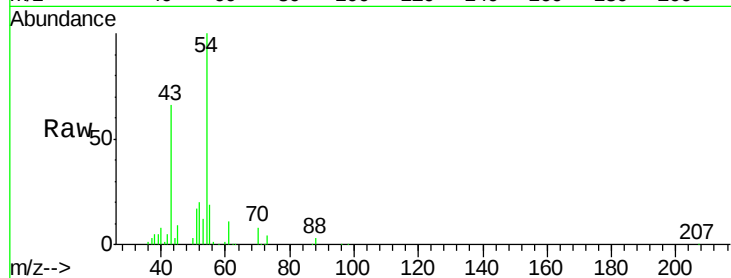
#37
Ethyl Acetate
Concen: 46.583 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.4	12.0	18.0	
70	11.6	9.6	14.4	

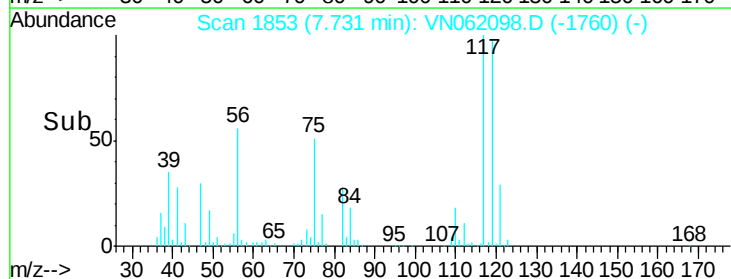
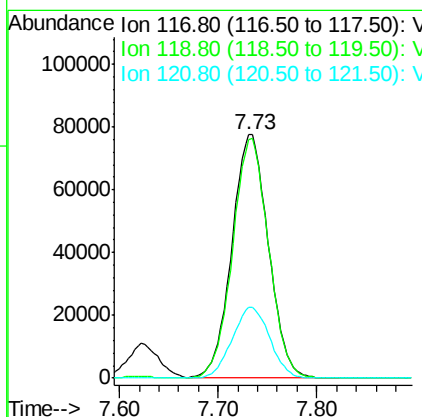
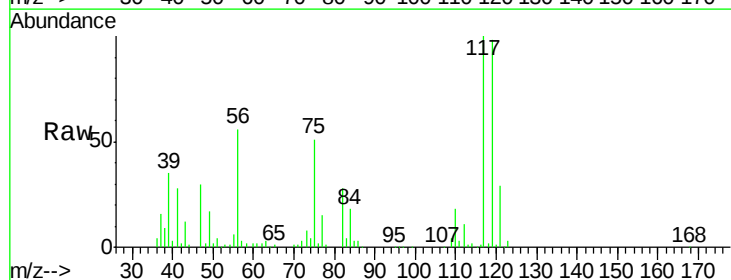
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#38
Carbon Tetrachloride
Concen: 46.739 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.0	78.2	117.2	
121	29.2	25.8	38.6	





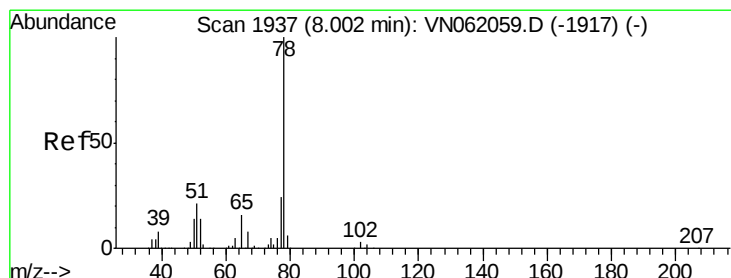
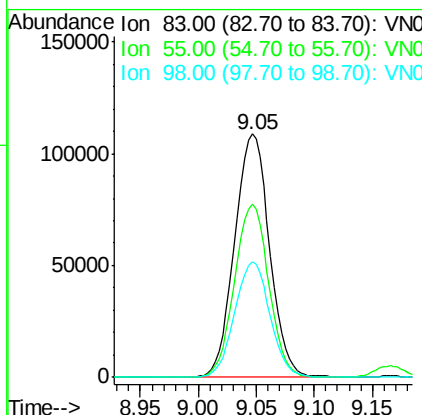
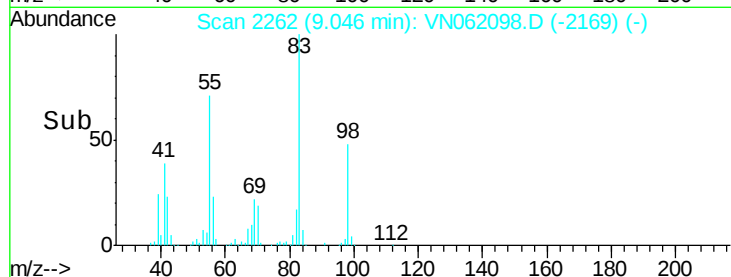
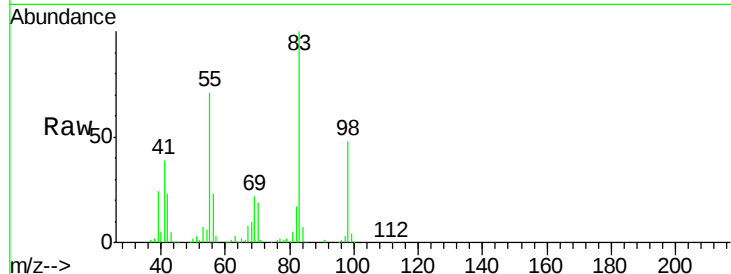
#39
Methvlcvclohexane
Concen: 45.972 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227946		
55	71.1		57.0	85.6
98	47.7		39.0	58.6

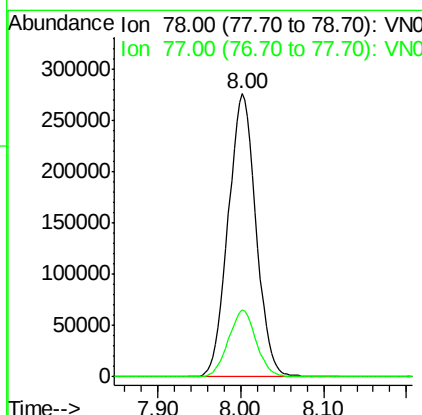
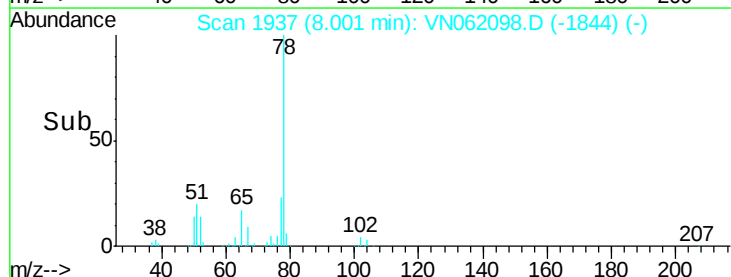
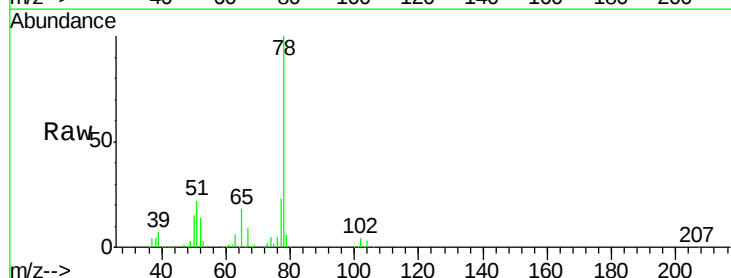
Manual Integrations
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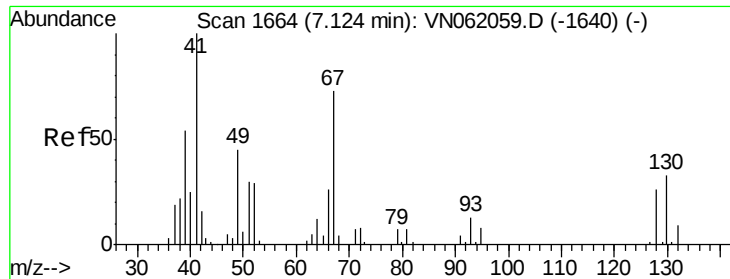
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#40
Benzene
Concen: 46.859 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	646319		
77	23.5		19.5	29.3





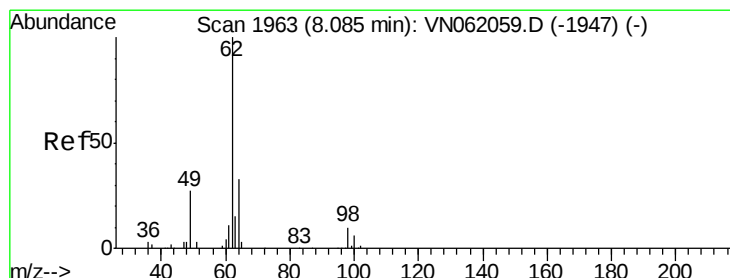
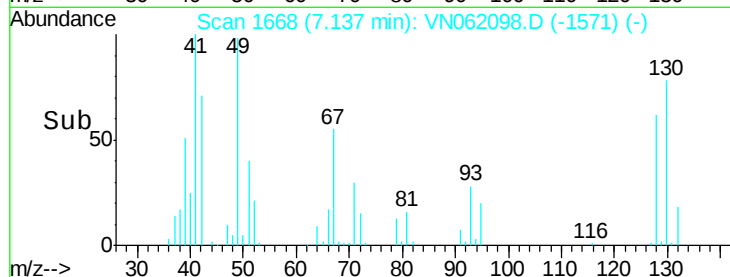
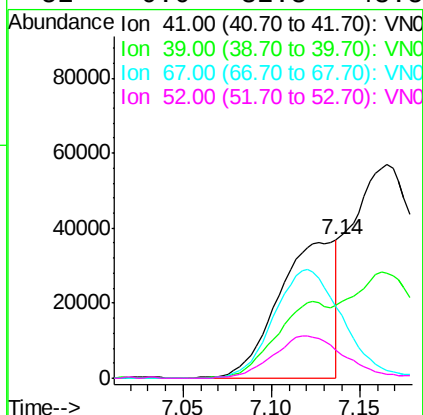
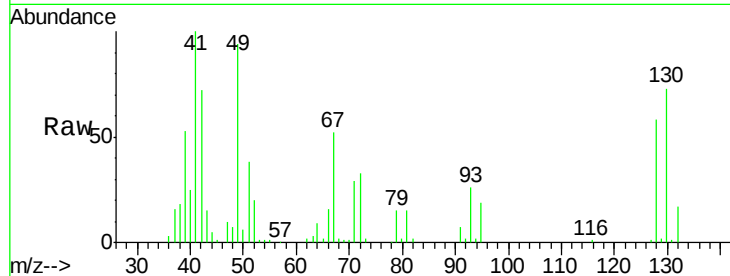
#41
Methacrylonitrile
Concen: 47.877 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#

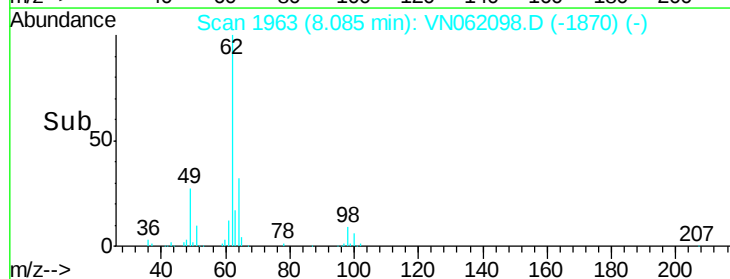
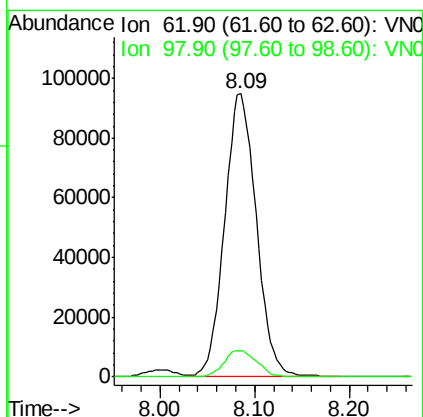
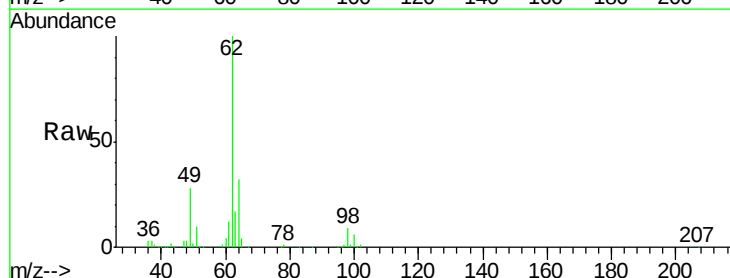
Manual Integrations
APPROVED

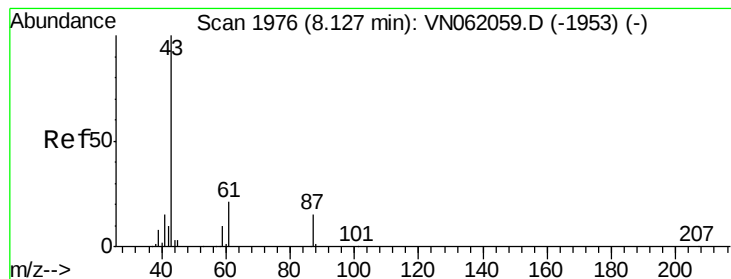
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#42
1,2-Dichloroethane
Concen: 47.276 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 48.027 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

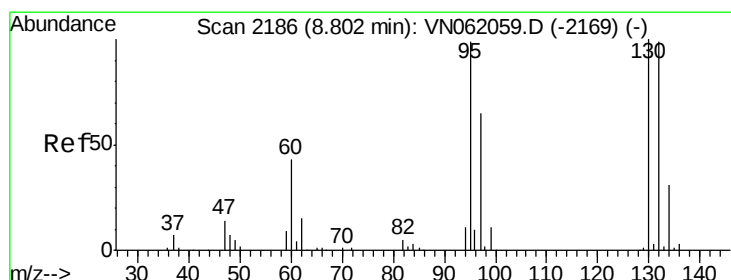
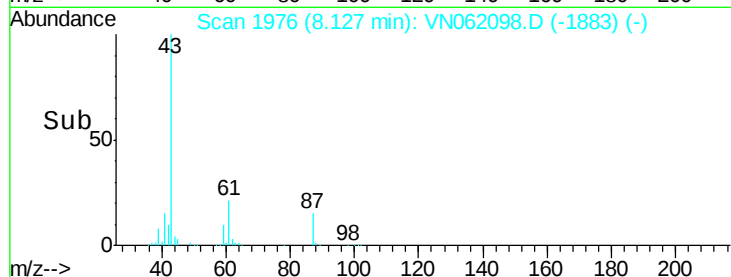
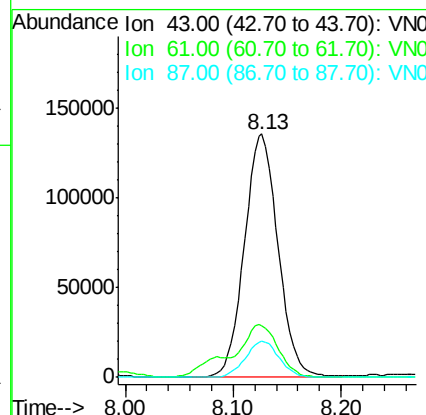
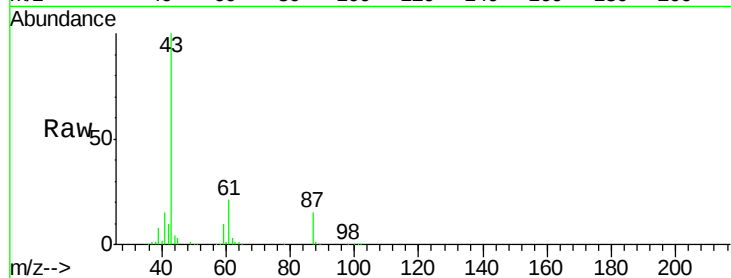
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	293376
Ion Ratio		Lower	Upper
43	100		
61	22.3	17.2	25.8
87	15.0	12.1	18.1

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#44

Trichloroethene

Concen: 45.275 ug/l

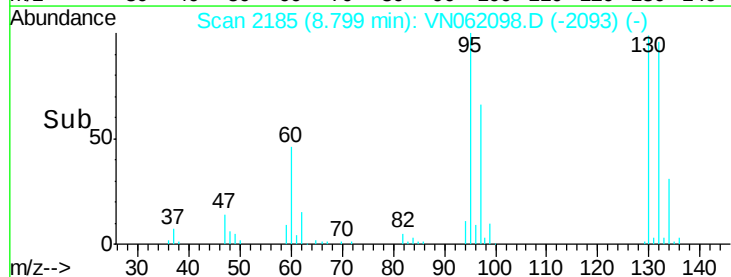
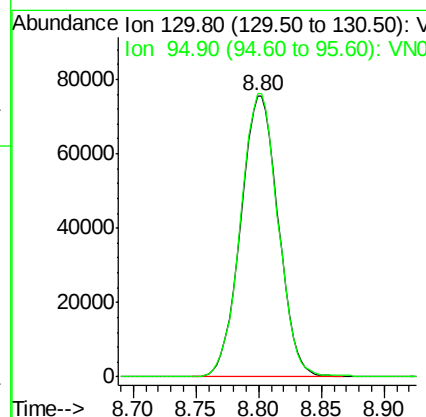
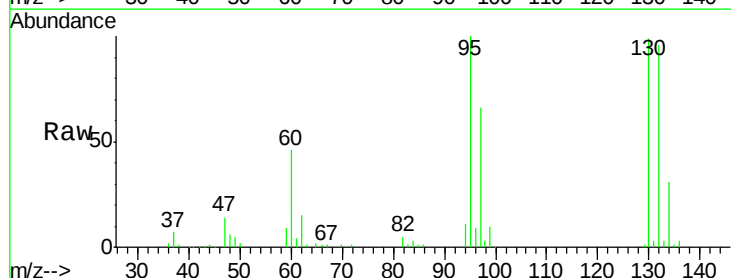
RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion:	130	Resp:	157526
Ion Ratio		Lower	Upper
130	100		
95	100.6	0.0	197.8





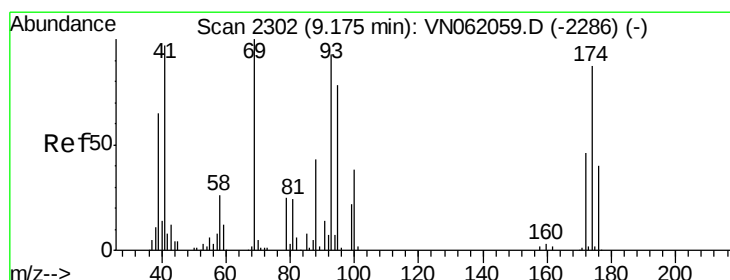
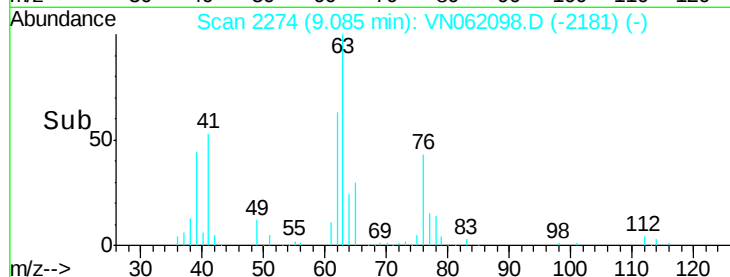
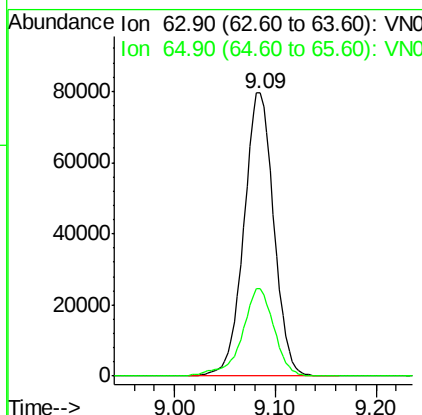
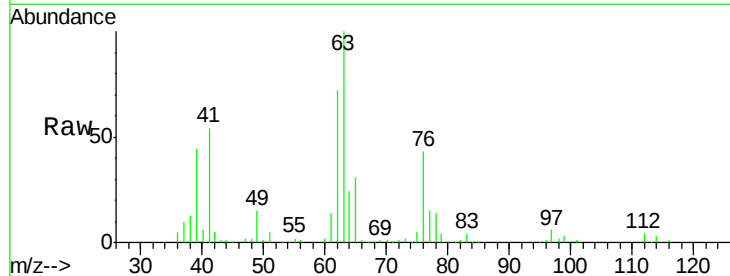
#45
 1,2-Dichloropropane
 Concen: 47.886 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 162947
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

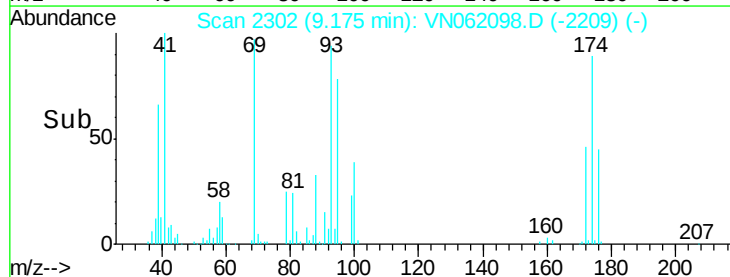
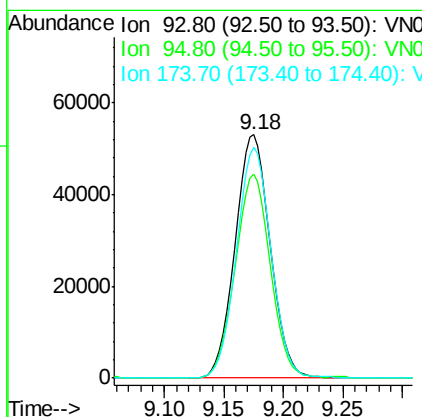
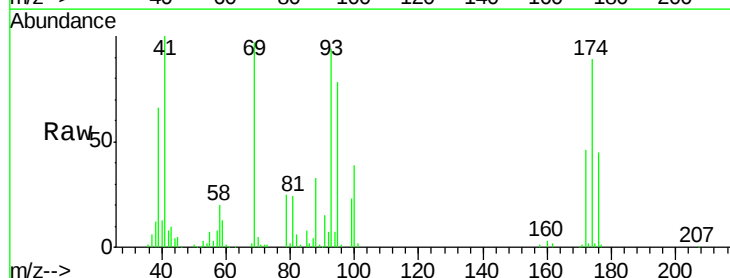
Manual Integrations
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#46
 Dibromomethane
 Concen: 47.066 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion: 93 Resp: 108586
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.6
 174 93.5 74.4 111.6





#47

Bromodichloromethane

Concen: 48.926 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

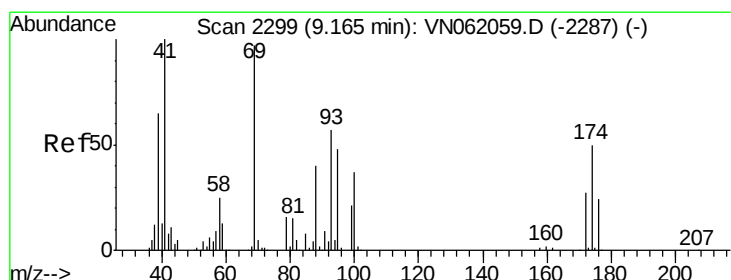
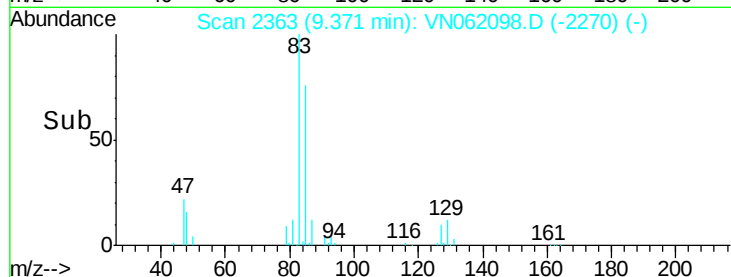
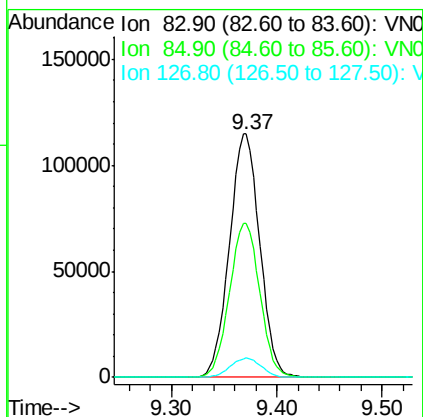
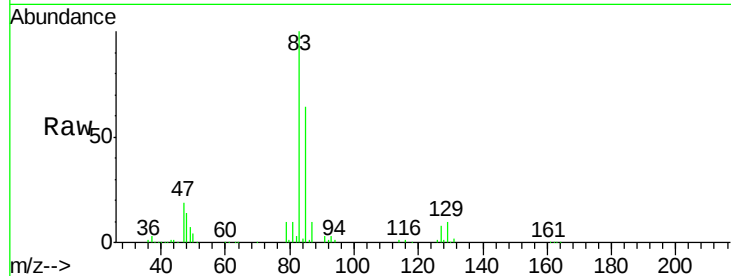
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	227915
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.3	75.5
127	8.0	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.594 ug/l

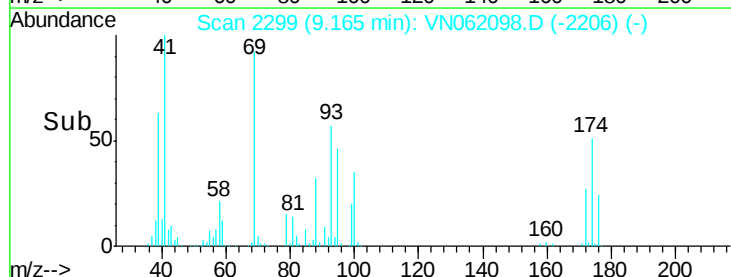
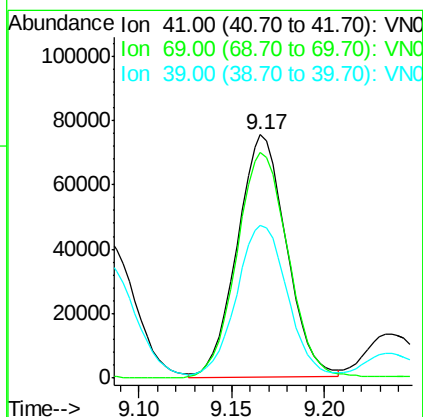
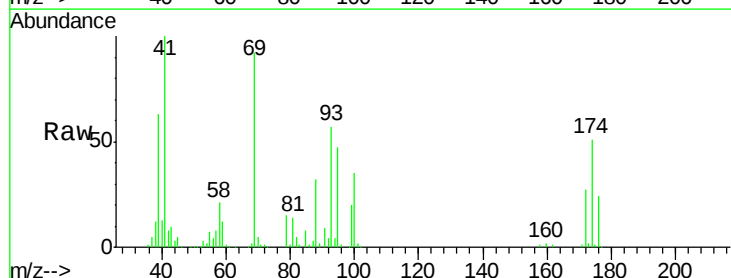
RT: 9.17 min Scan# 2299

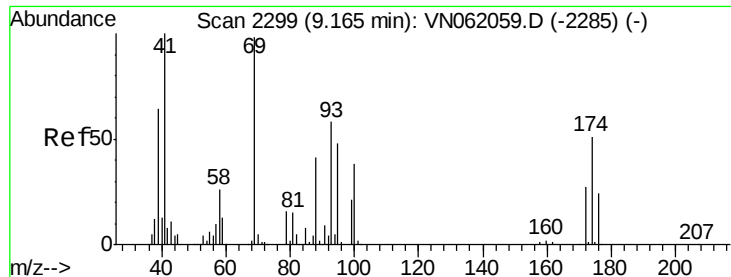
Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion:	41	Resp:	138574
Ion Ratio	Lower	Upper	
41	100		
69	98.1	80.7	121.1
39	65.1	54.5	81.7





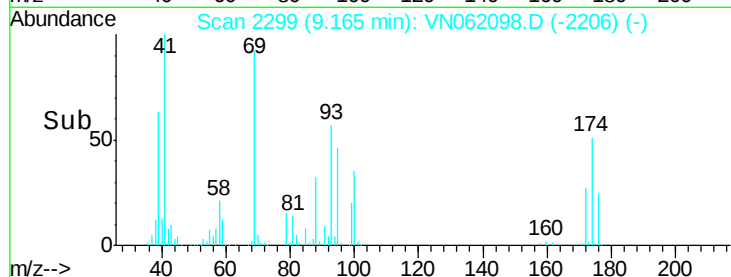
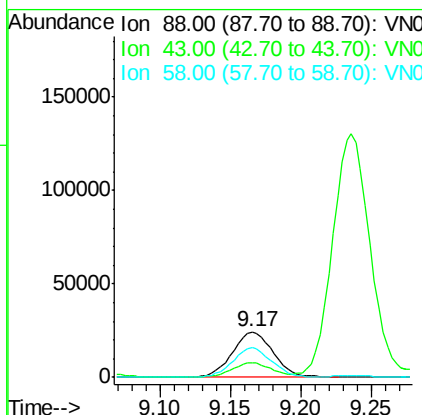
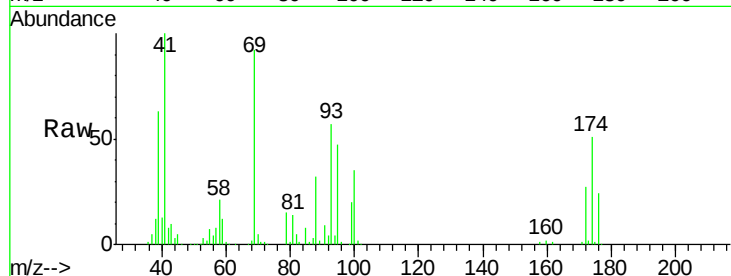
#49
1,4-Dioxane
Concen: 812.842 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	49371
Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.0	33.0
58	62.4	49.2	73.8

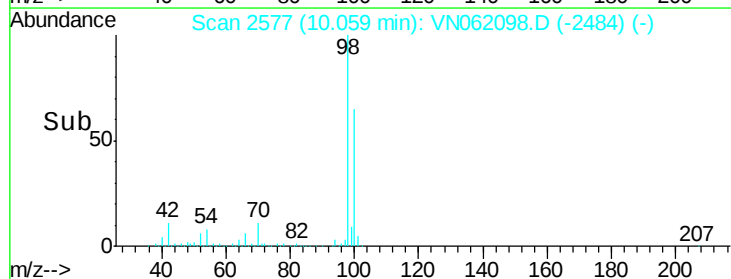
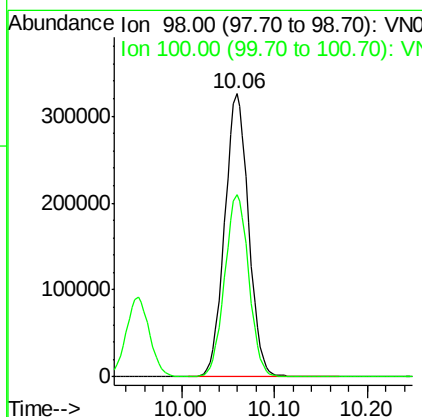
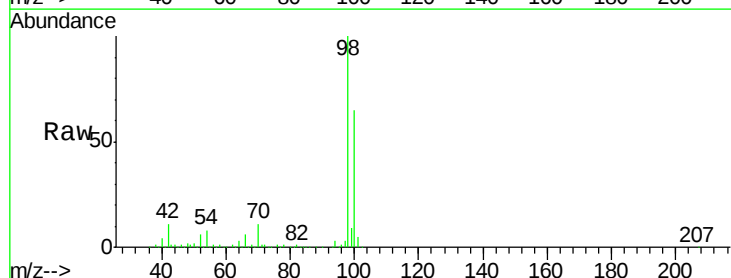
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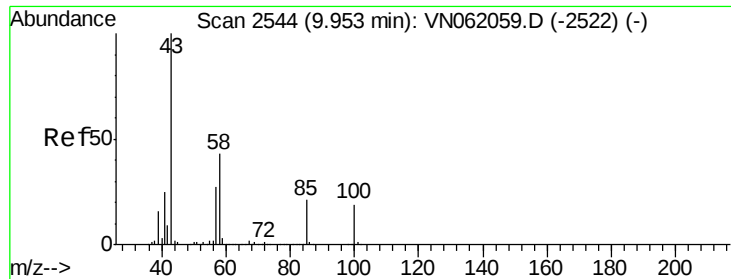
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#50
Toluene-d8
Concen: 50.372 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	98	Resp	581581
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 244.621 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 873047

Ion Ratio Lower Upper

43 100

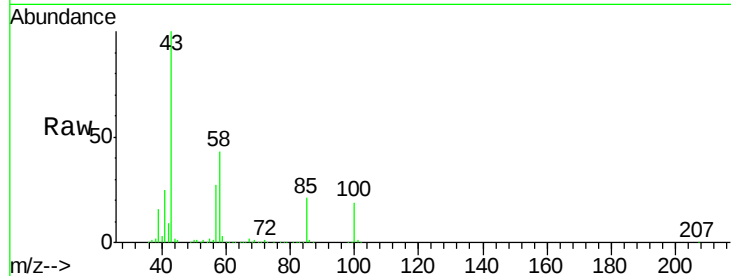
58 42.9 34.2 51.2

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Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

500000

400000

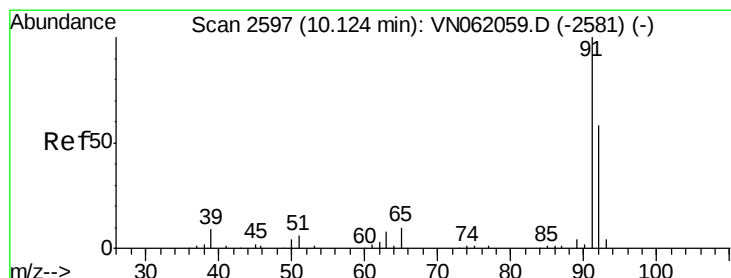
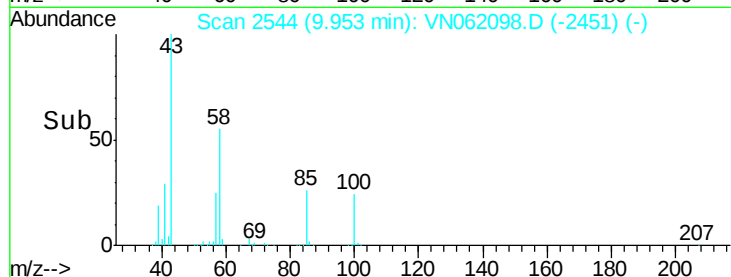
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.977 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062098.D

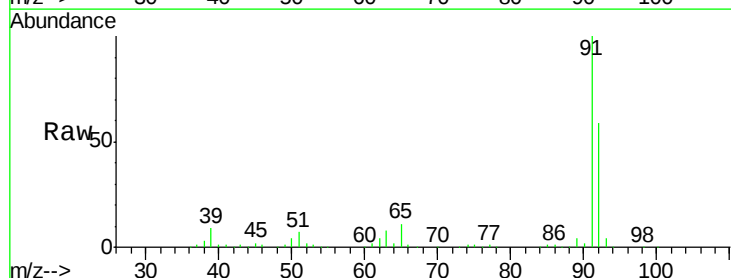
Acq: 25 Jun 2020 5:52

Tgt Ion: 92 Resp: 412186

Ion Ratio Lower Upper

92 100

91 171.7 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

400000

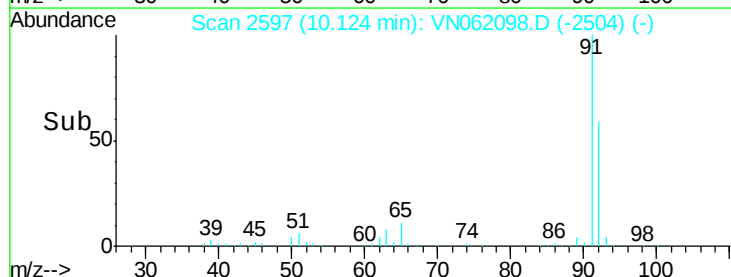
300000

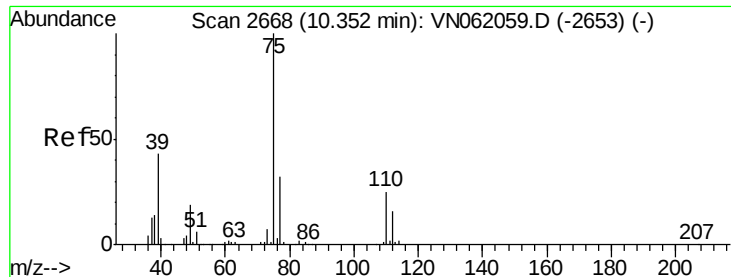
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.313 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 237357

Ion Ratio Lower Upper

75 100

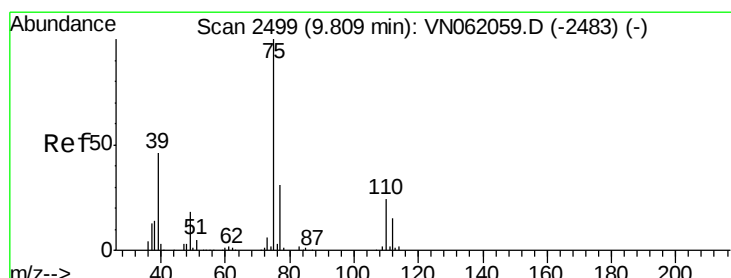
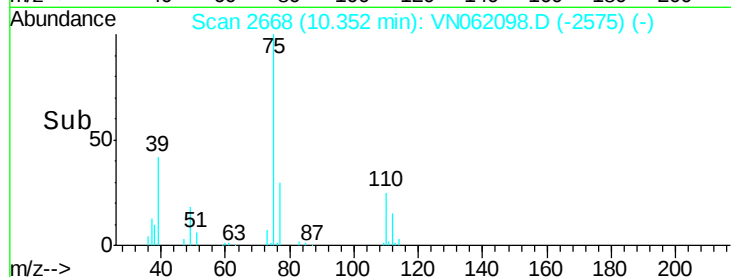
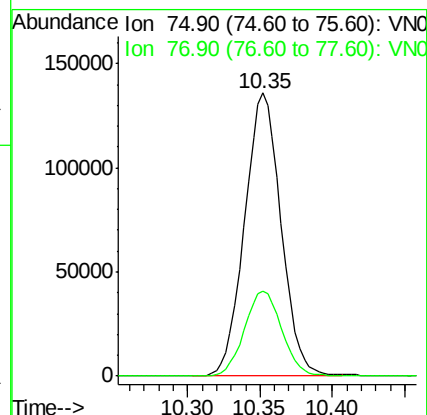
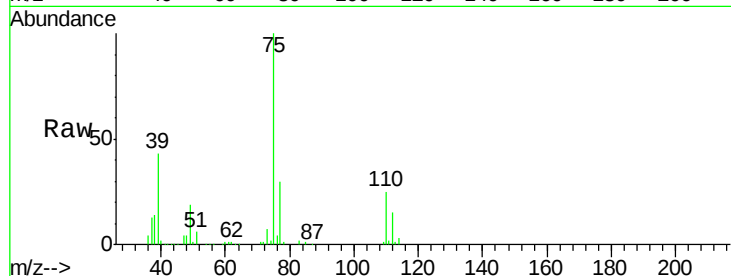
77 30.2 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 46.987 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

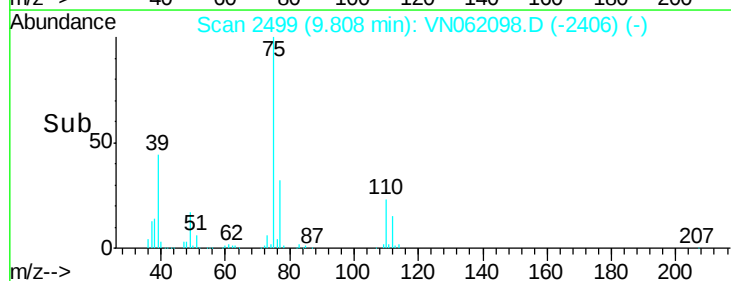
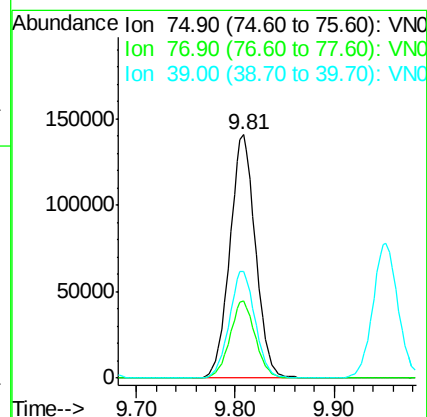
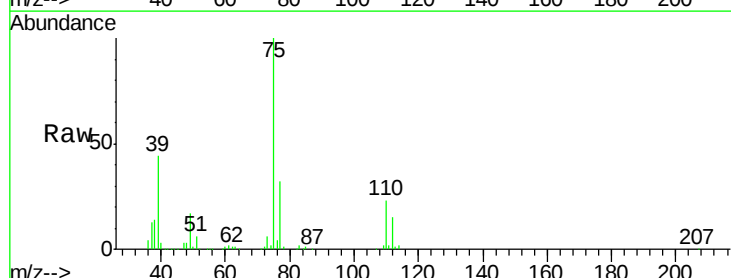
Tgt Ion: 75 Resp: 256381

Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

39 43.6 36.9 55.3





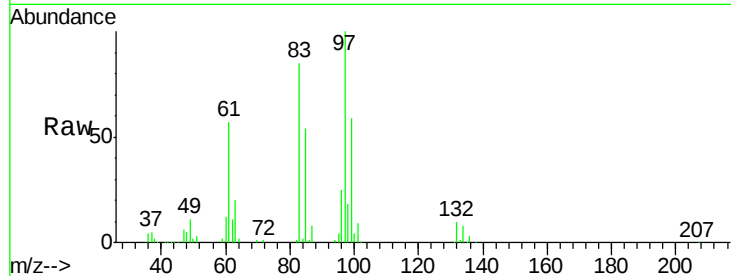
#55
 1,1,2-Trichloroethane
 Concen: 48.844 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	161586
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.2	102.2
85	54.1	43.2	64.8
99	59.1	48.5	72.7

Manual Integrations
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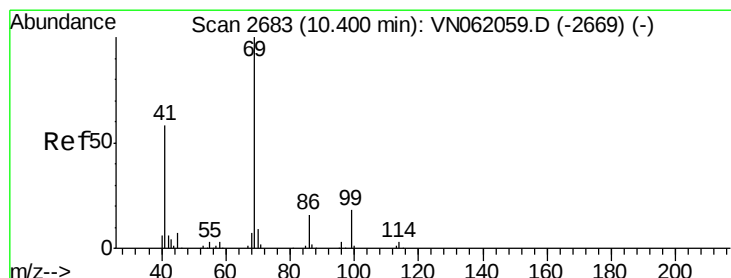
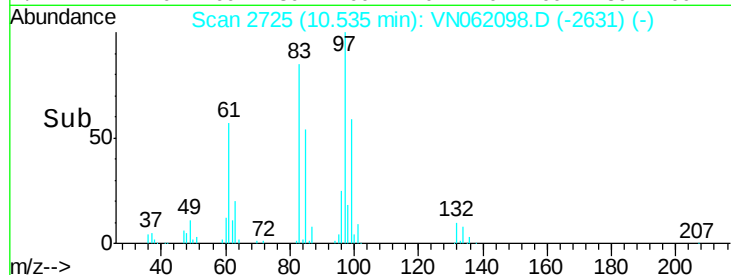
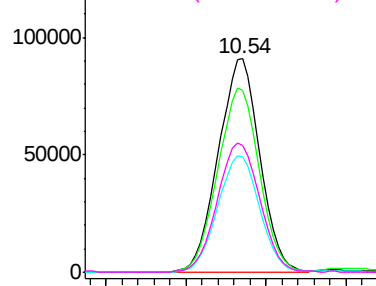


Abundance Ion 96.90 (96.60 to 97.60): VN062098.D (-2631) (-)

Ion 82.90 (82.60 to 83.60): VN062098.D (-2631) (-)

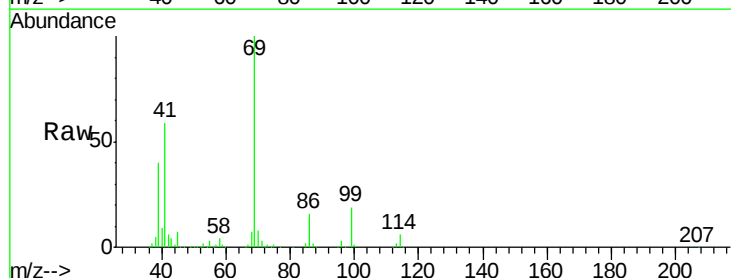
Ion 84.90 (84.60 to 85.60): VN062098.D (-2631) (-)

Ion 98.90 (98.60 to 99.60): VN062098.D (-2631) (-)



#56
 Ethyl methacrylate
 Concen: 51.593 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

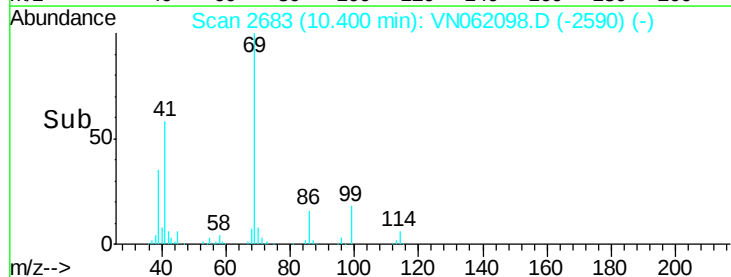
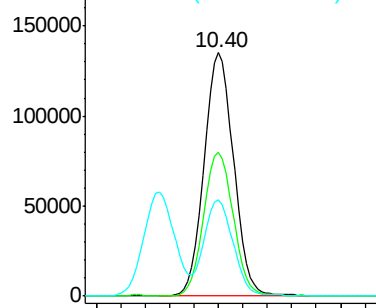
Tgt Ion:	69	Resp:	227778
Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.6	70.0
39	38.5	31.0	46.4



Abundance Ion 69.00 (68.70 to 69.70): VN062098.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062098.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062098.D (-2590) (-)





#57

1,3-Dichloropropane

Concen: 48.305 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 275060

Ion Ratio Lower Upper

76 100

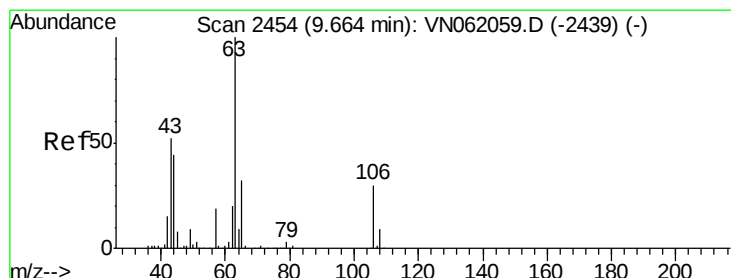
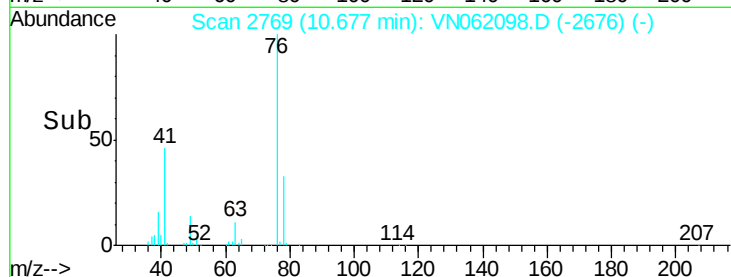
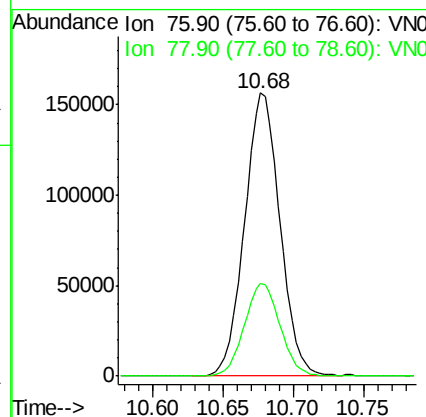
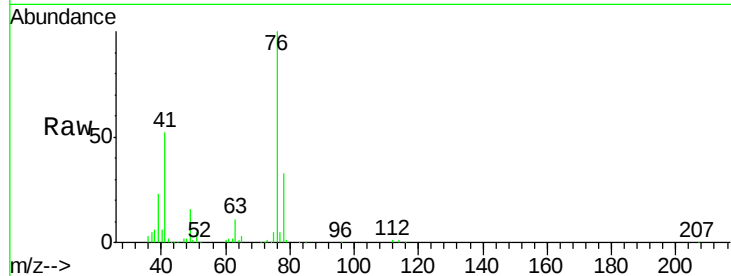
78 33.2 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 231.879 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062098.D

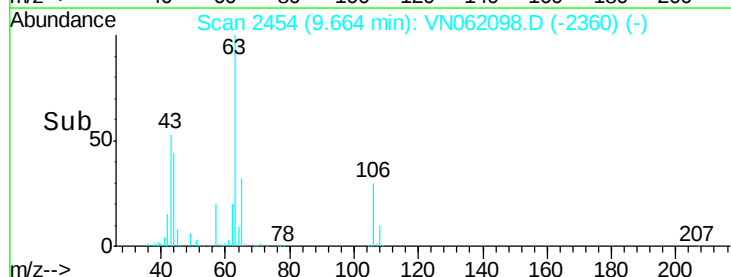
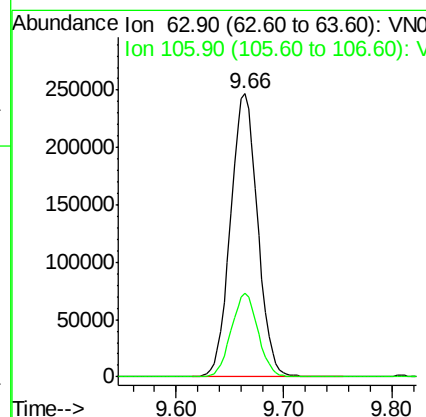
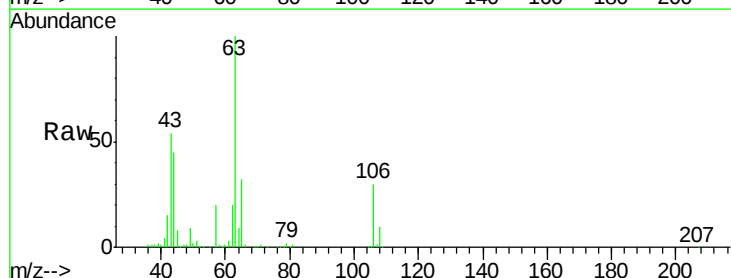
Acq: 25 Jun 2020 5:52

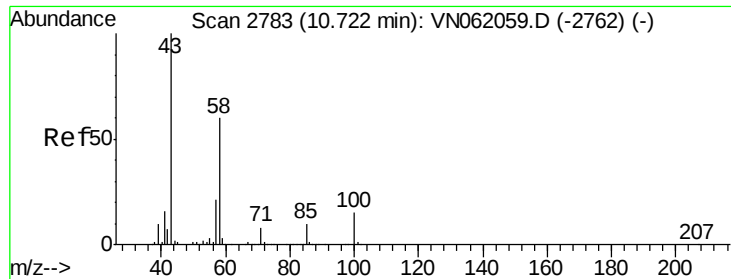
Tgt Ion: 63 Resp: 433510

Ion Ratio Lower Upper

63 100

106 29.1 23.2 34.8





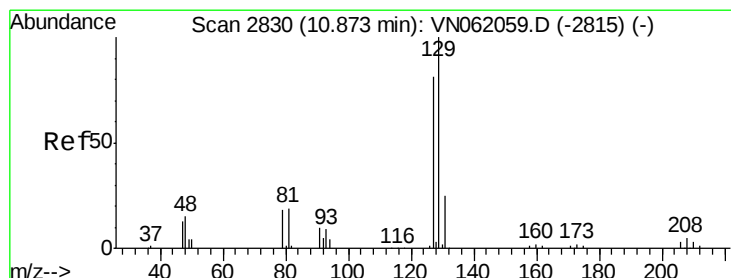
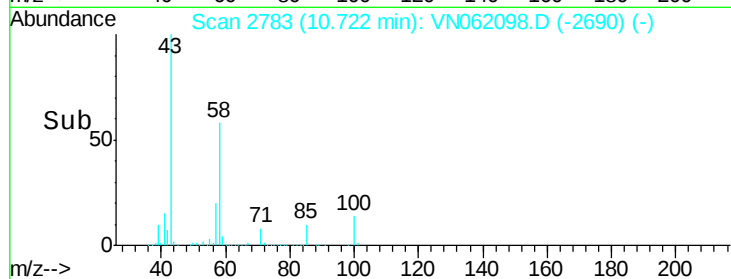
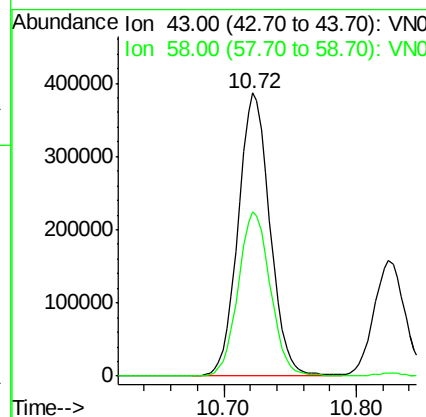
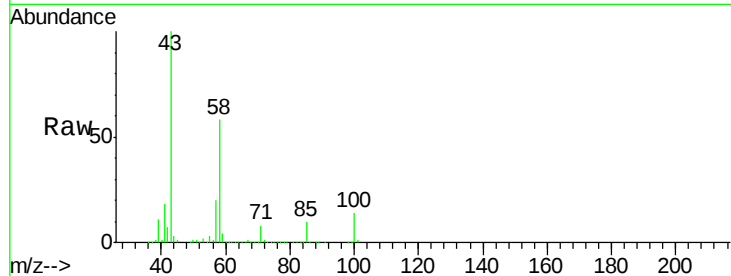
#59
2-Hexanone
Concen: 249.058 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	29.5	88.5

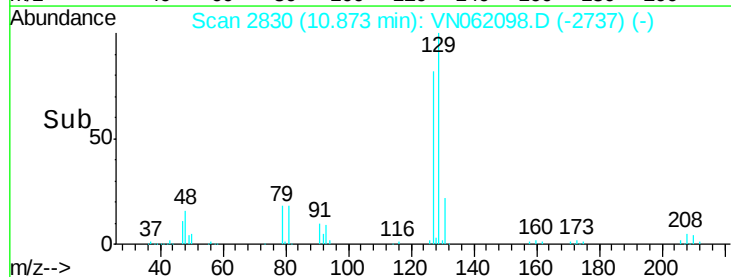
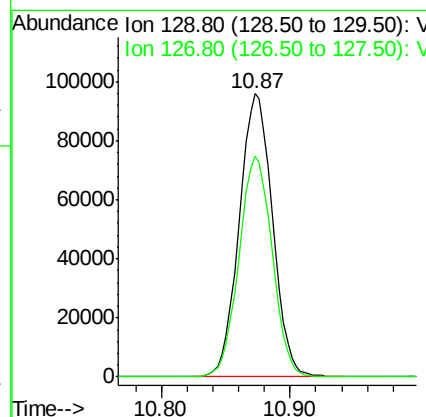
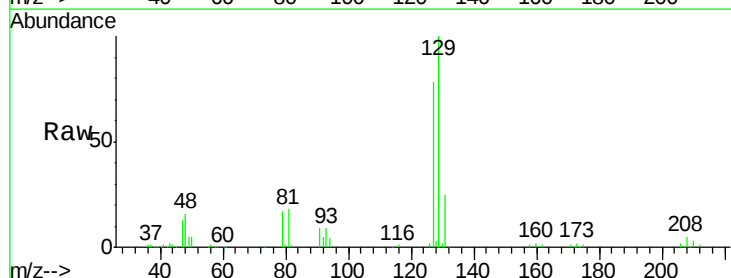
Manual Integrations
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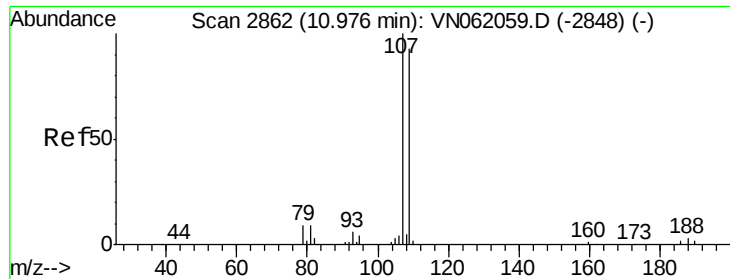
MMDadoda
6/25/2020 6:10:59 PM



#60
Dibromochloromethane
Concen: 49.168 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.5	118.5





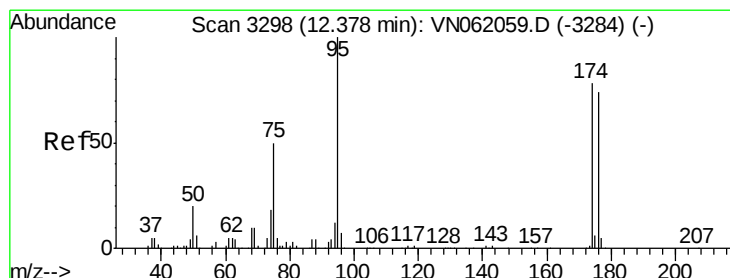
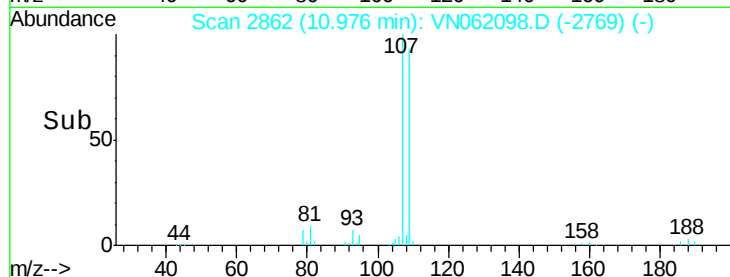
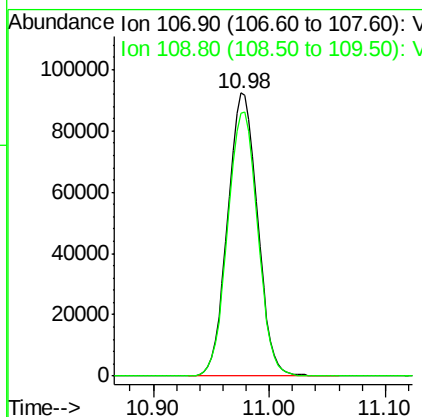
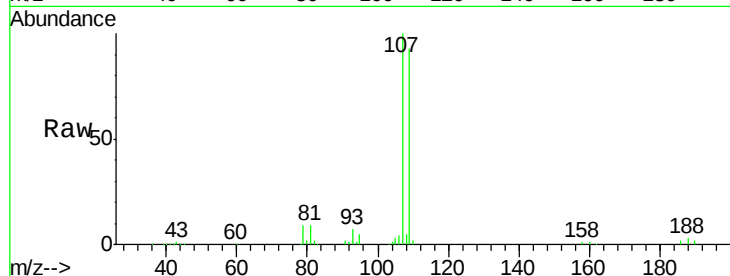
#61
 1,2-Dibromoethane
 Concen: 48.257 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

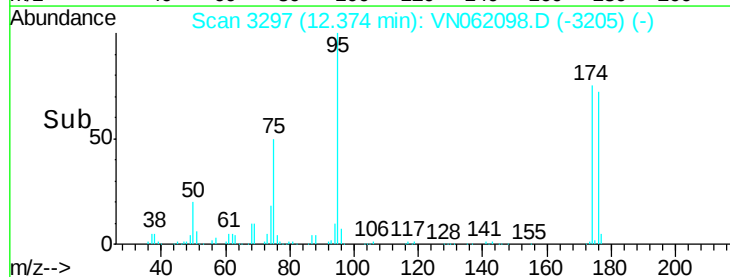
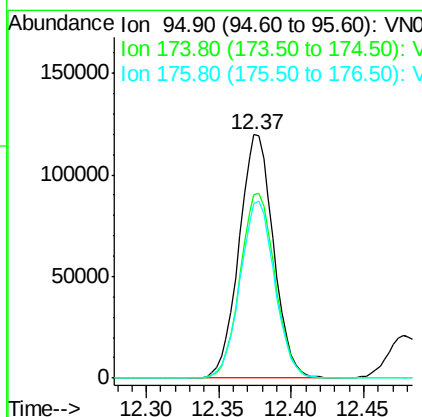
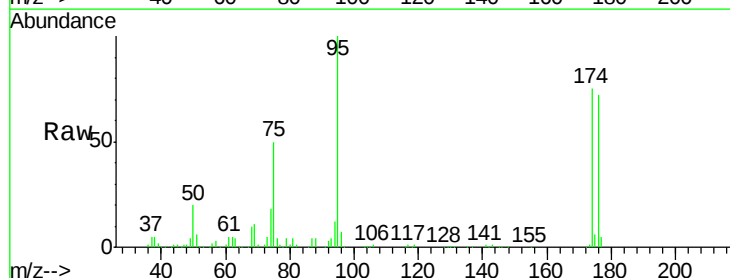
Manual Integrations
 APPROVED

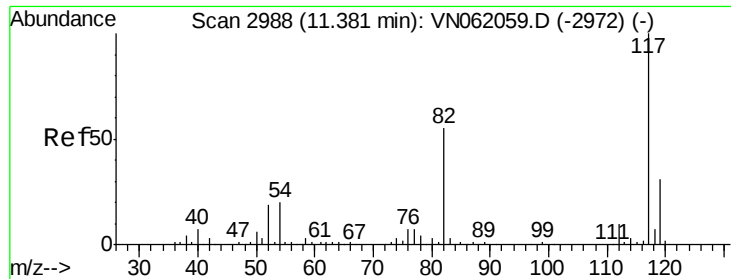
MMDadoda
 6/25/2020 6:10:59 PM



#62
 4-Bromofluorobenzene
 Concen: 50.677 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	154.8
176	73.0	0.0	147.4





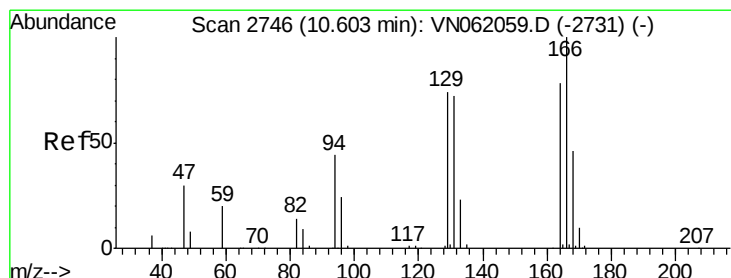
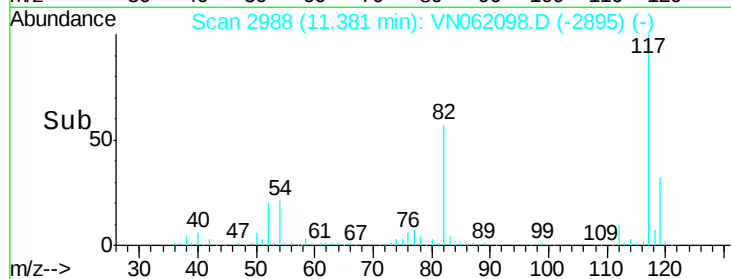
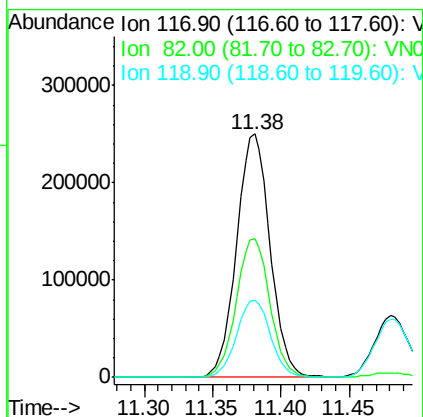
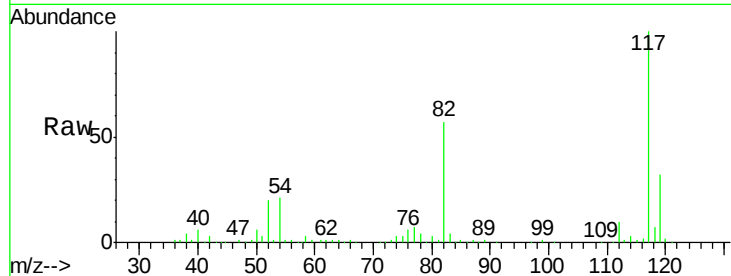
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	43.8	65.8
119	31.9	25.2	37.8

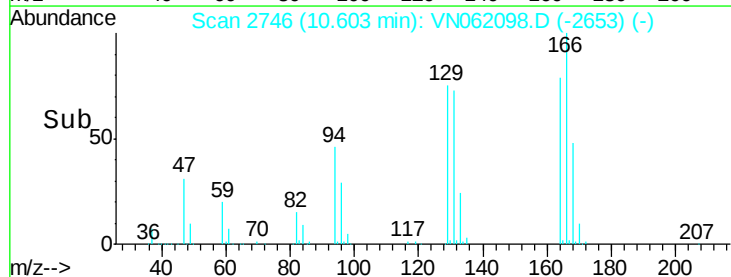
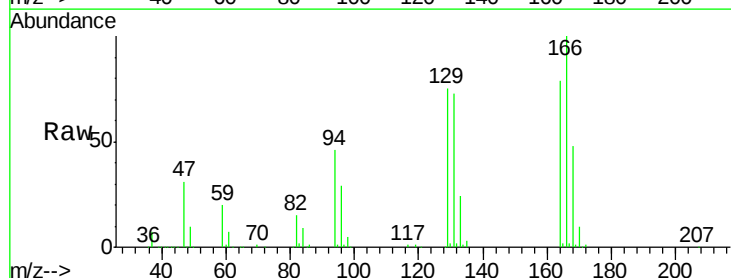
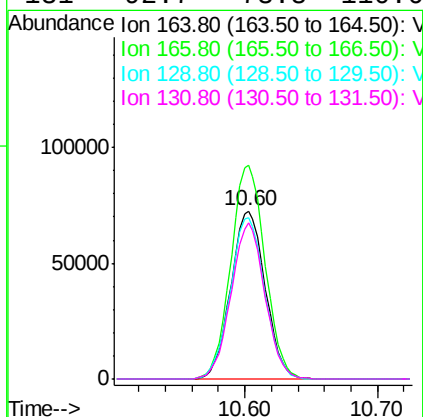
Manual Integrations
APPROVED

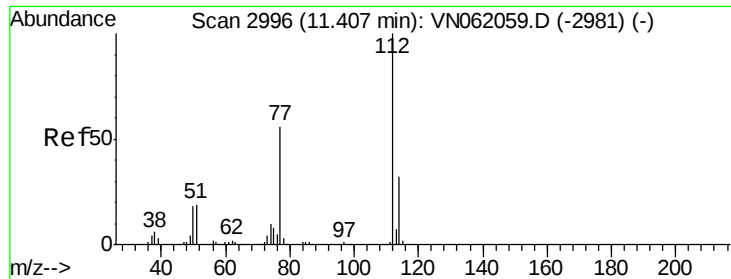
MMDadoda
6/25/2020 6:10:59 PM



#64
Tetrachloroethene
Concen: 44.775 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.9	154.3
129	95.6	75.8	113.8
131	92.7	73.8	110.6





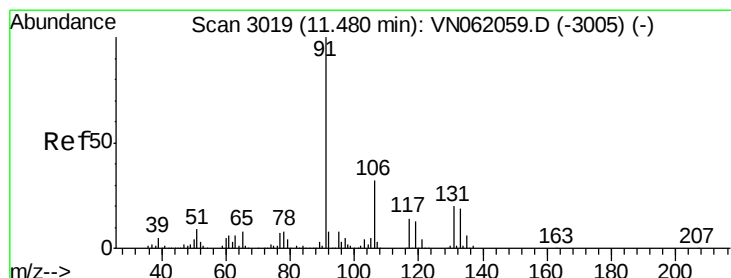
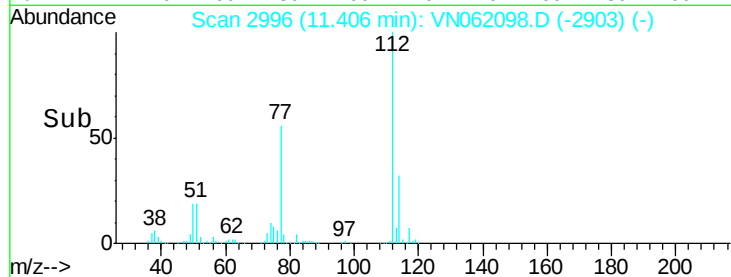
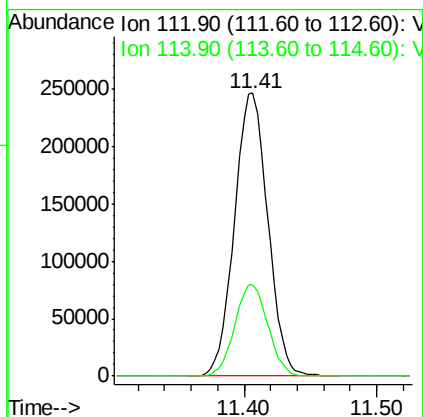
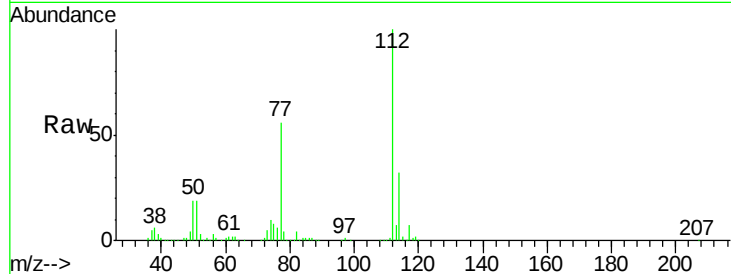
#65
Chlorobenzene
Concen: 46.027 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.8

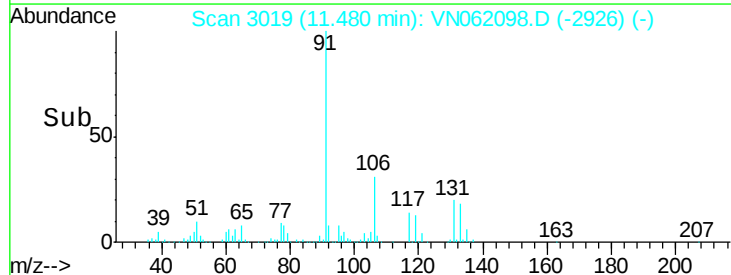
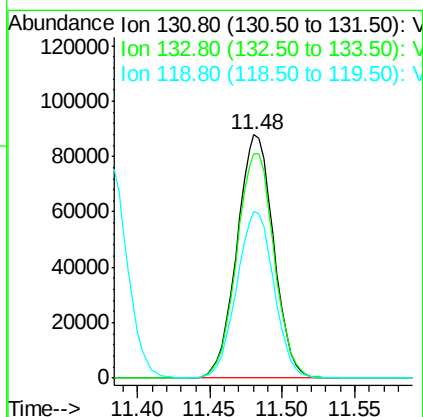
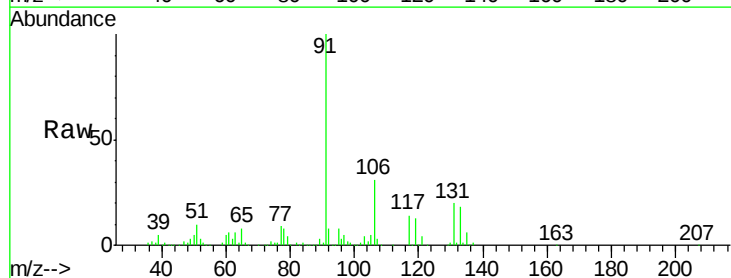
Manual Integrations
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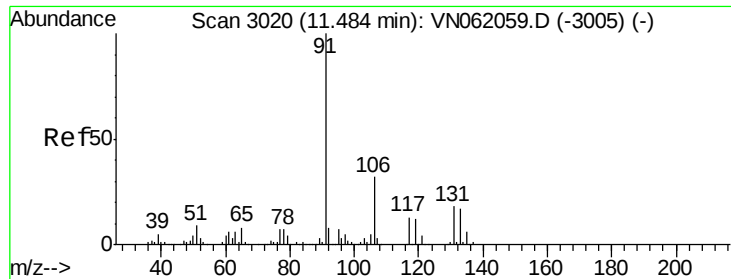
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.561 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.6	142.9
119	69.4	34.4	103.3





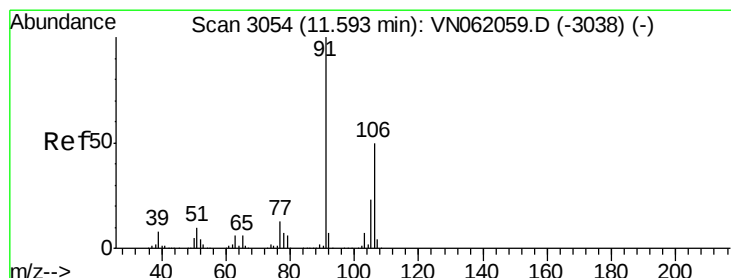
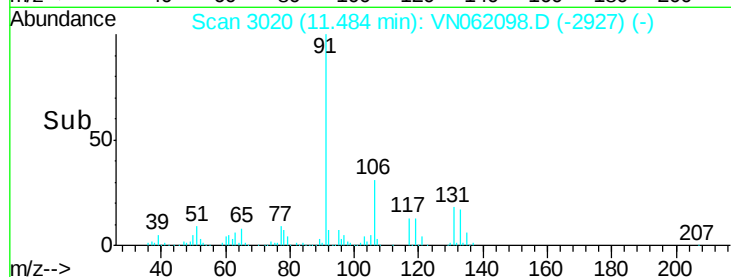
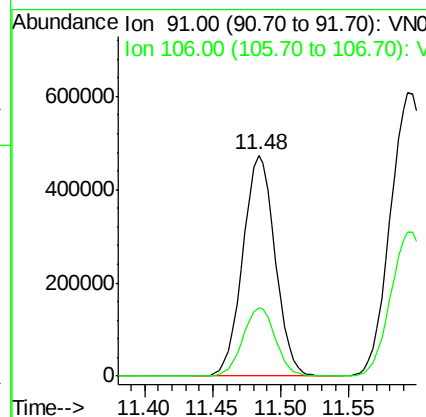
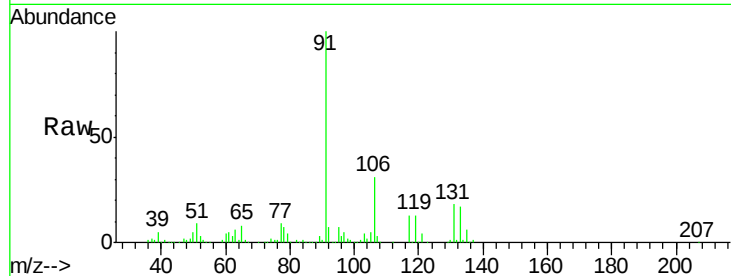
#67
Ethyl Benzene
Concen: 49.300 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 779505
Ion Ratio Lower Upper
91 100
106 30.9 25.3 37.9

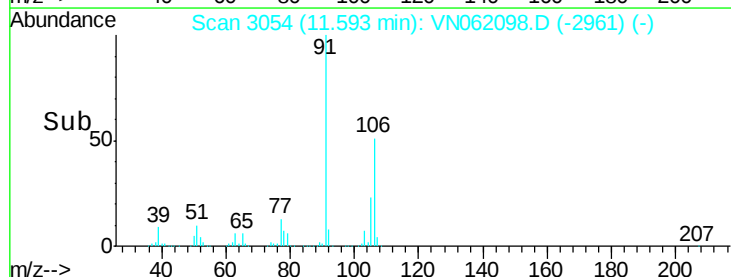
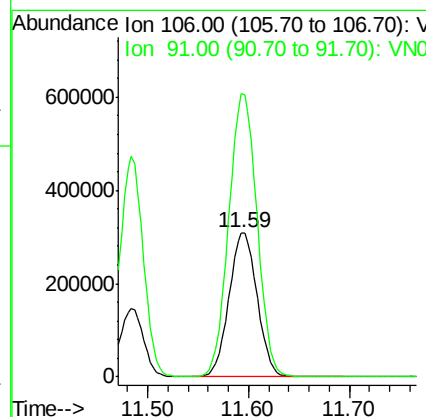
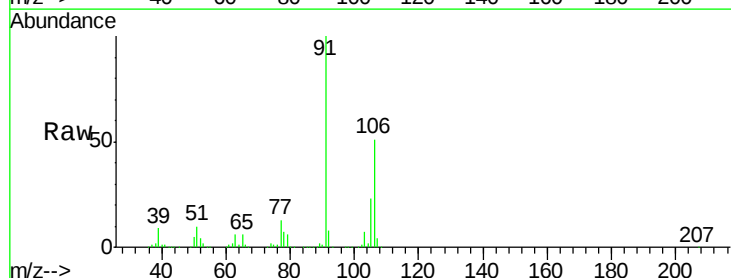
Manual Integrations
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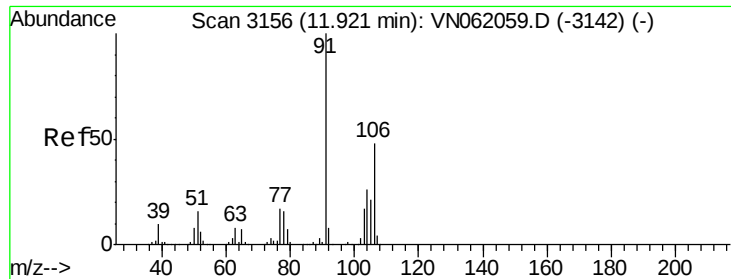
MMDadoda
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#68
m/p-Xylenes
Concen: 98.121 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion: 106 Resp: 600072
Ion Ratio Lower Upper
106 100
91 197.9 157.8 236.8





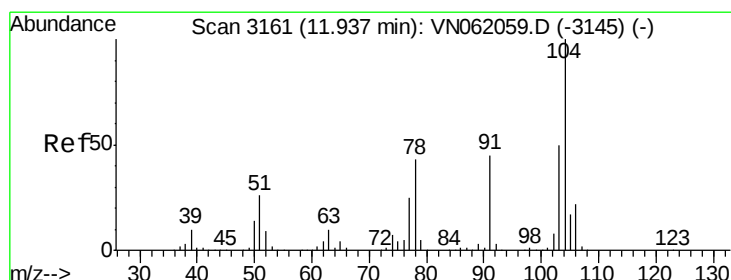
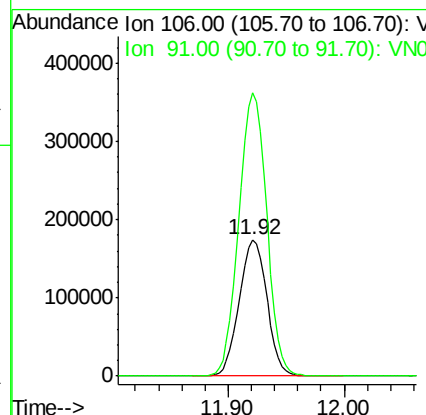
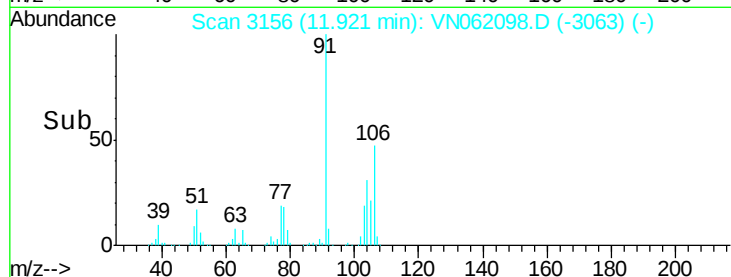
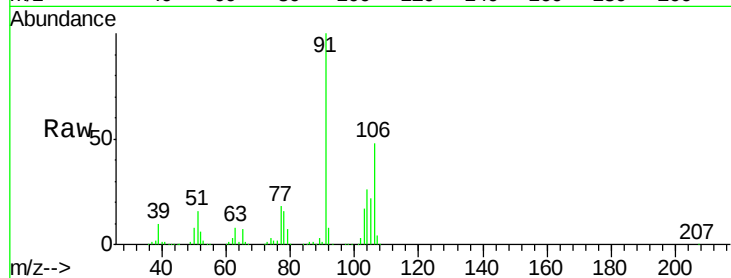
#69
o-Xylene
Concen: 49.943 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	288182		
91	91	208.8	104.0	311.9	

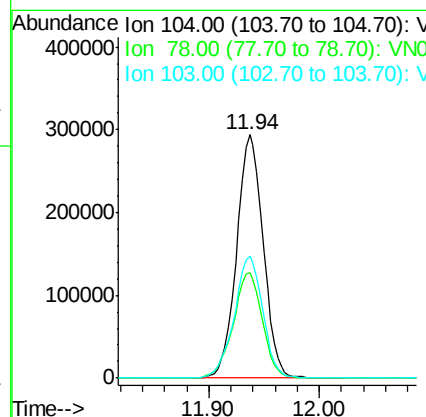
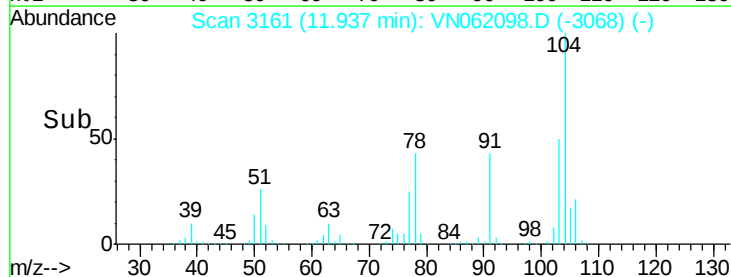
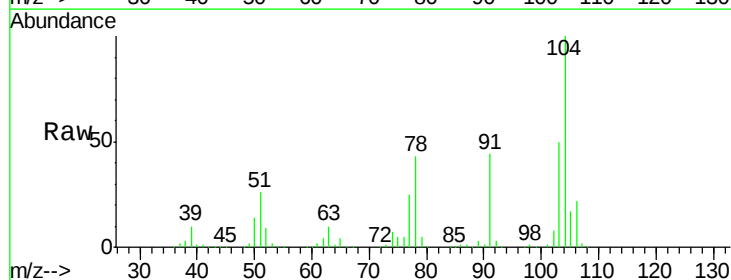
Manual Integrations
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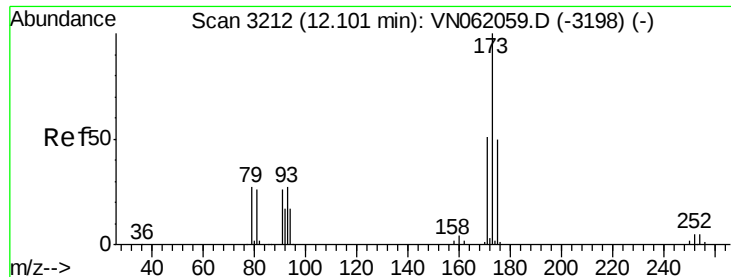
MMDadoda
6/25/2020 6:10:59 PM



#70
Styrene
Concen: 51.009 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	490864		
78	78	47.6	37.7	56.5	
103	103	53.9	43.0	64.6	





#71

Bromoform

Concen: 49.268 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 113403

Ion Ratio Lower Upper

173 100

175 48.7 24.7 74.1

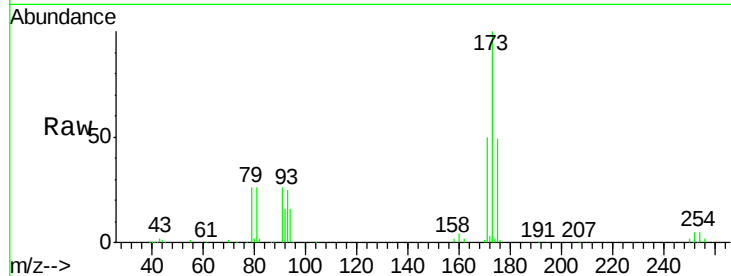
254 0.0 0.0 0.0

Manual Integrations

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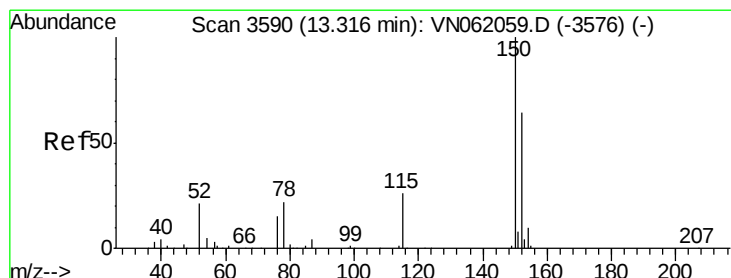
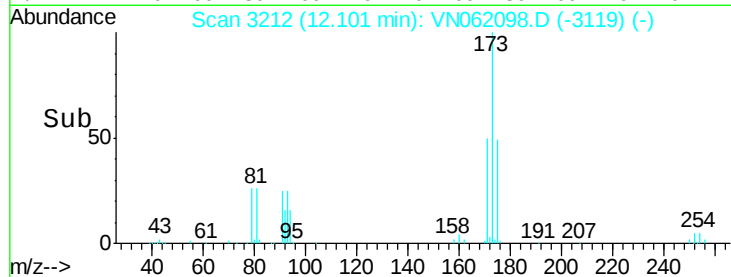
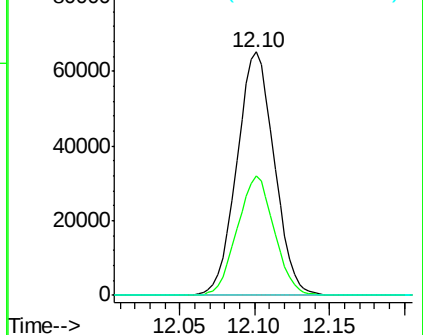
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

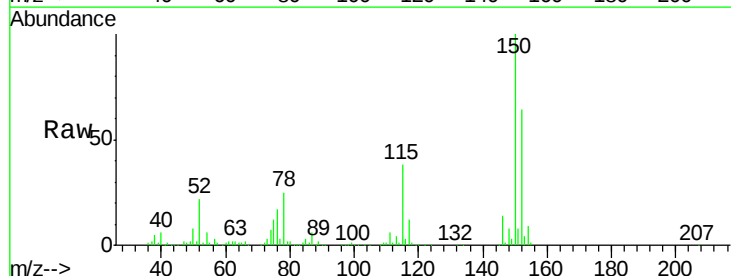
Tgt Ion:152 Resp: 204996

Ion Ratio Lower Upper

152 100

115 58.6 29.5 88.5

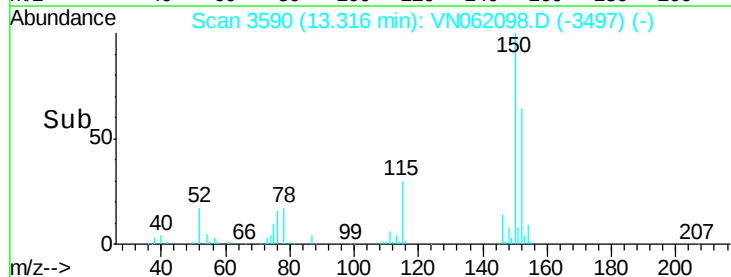
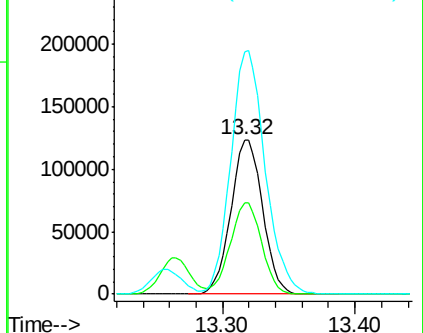
150 171.5 0.0 351.4

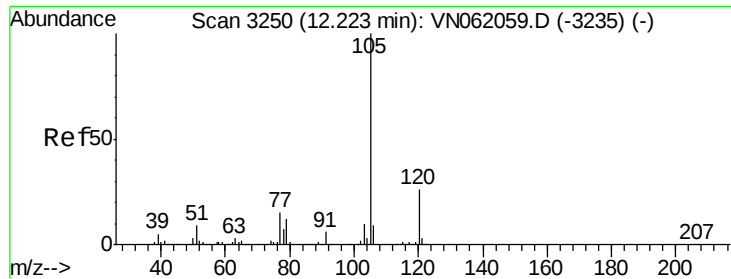


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.380 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 751844

Ion Ratio Lower Upper

105 100

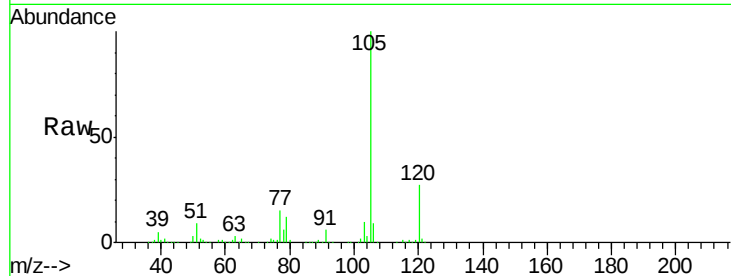
120 26.6 13.2 39.6

Manual Integrations

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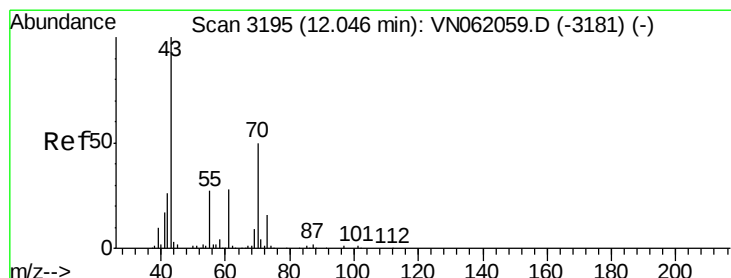
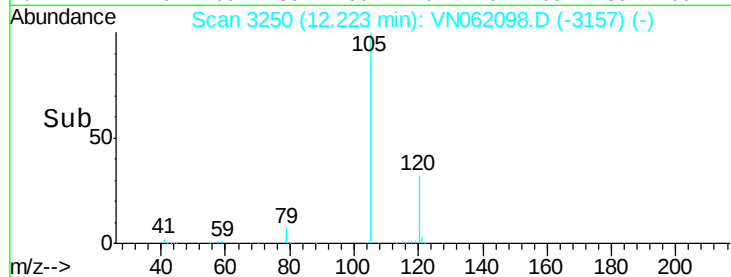
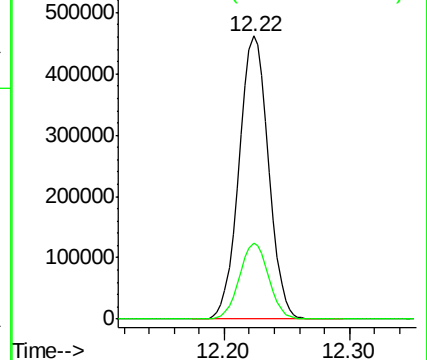
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.128 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion: 43 Resp: 274087

Ion Ratio Lower Upper

43 100

70 48.8 39.4 59.2

55 27.1 21.7 32.5

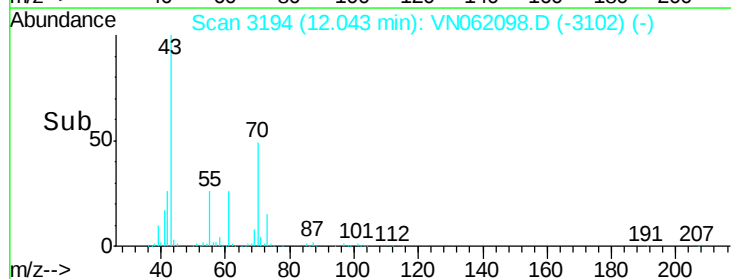
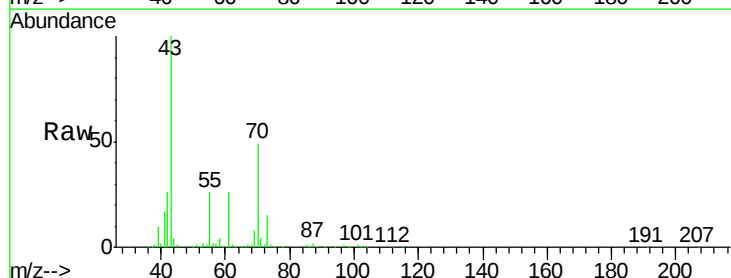
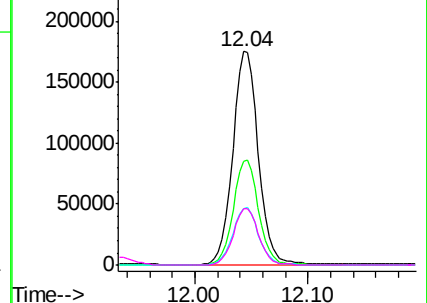
61 26.5 21.3 31.9

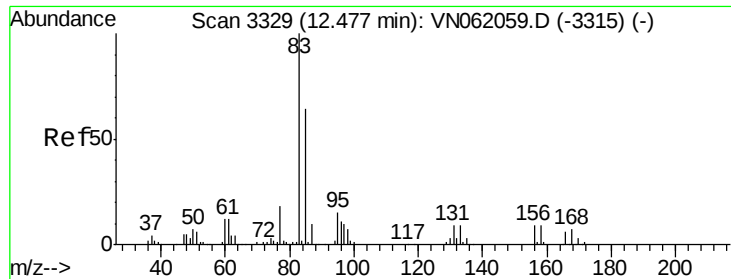
Abundance Ion 43.00 (42.70 to 43.70): V

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: 45.191 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

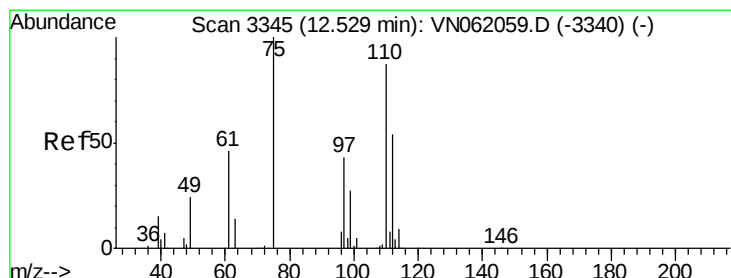
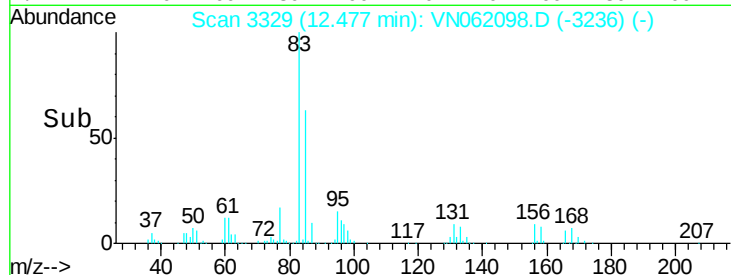
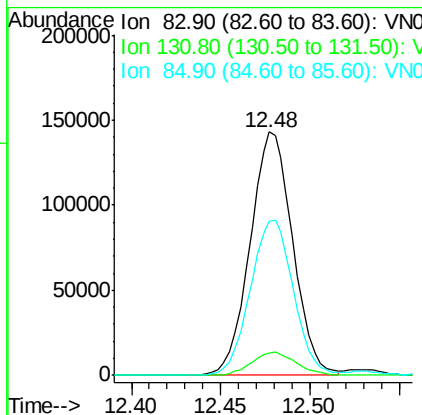
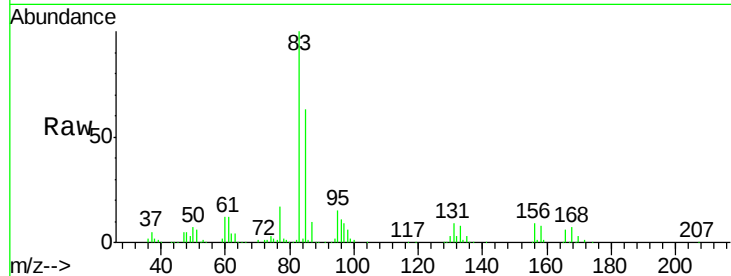
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	238634
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	64.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 40.627 ug/l m

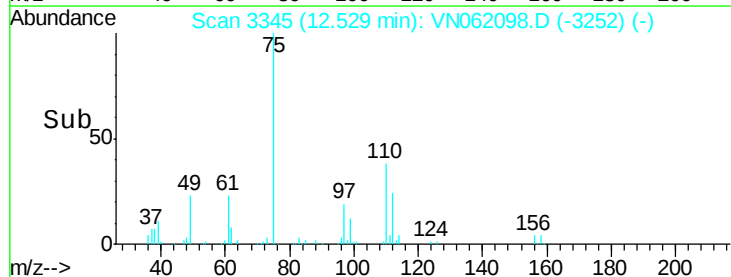
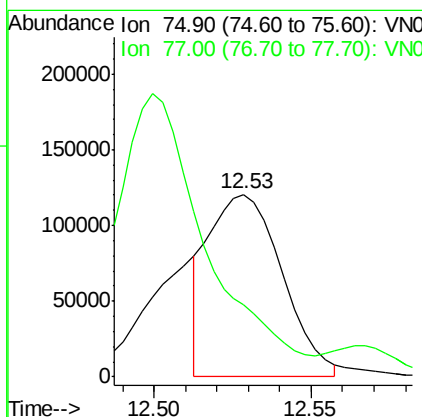
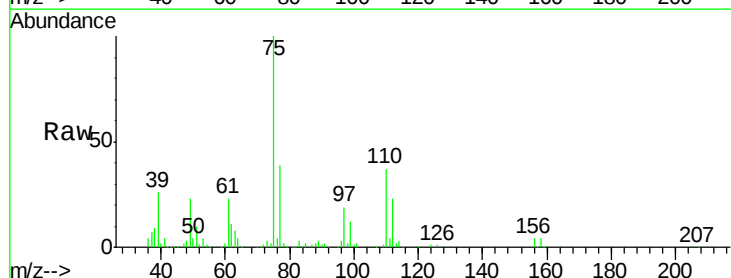
RT: 12.53 min Scan# 3345

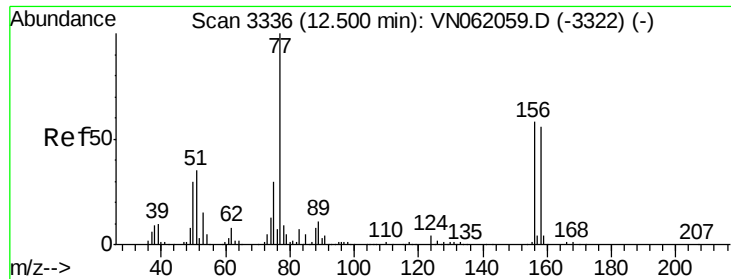
Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion:	75	Resp:	196057
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.237 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

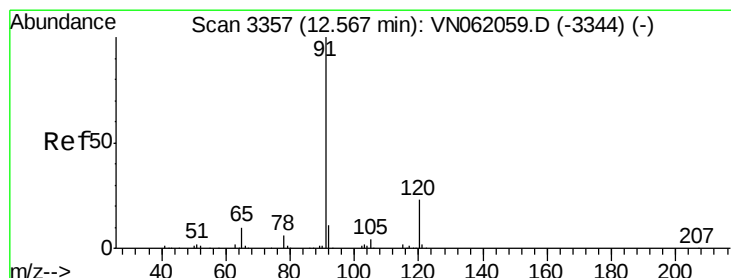
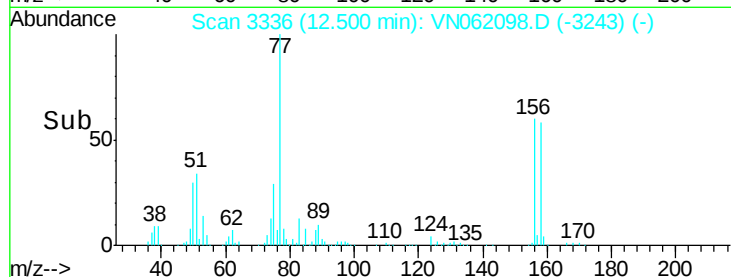
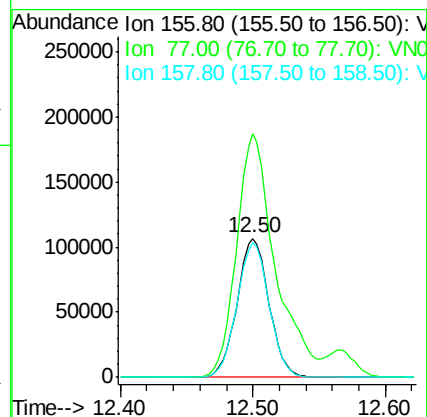
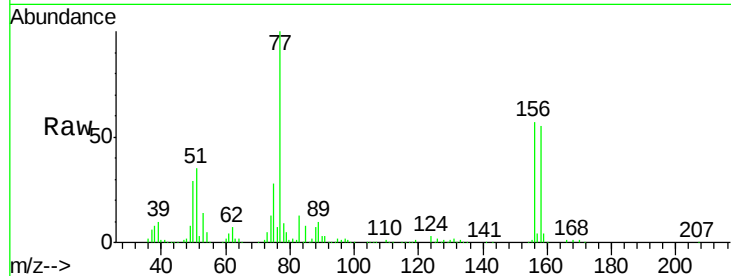
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.1	104.6	313.8
158	97.4	48.0	144.0

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#78

n-propylbenzene

Concen: 47.471 ug/l

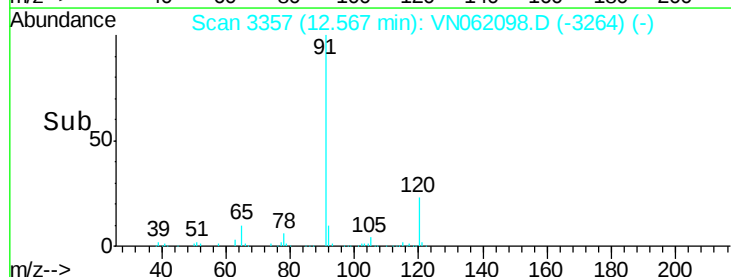
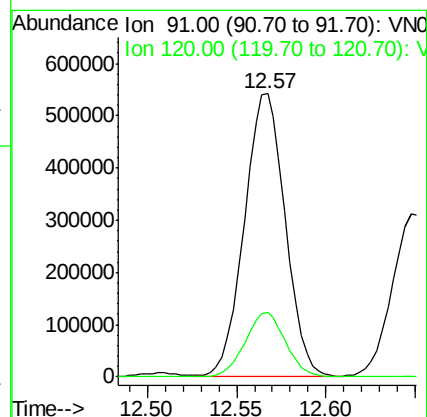
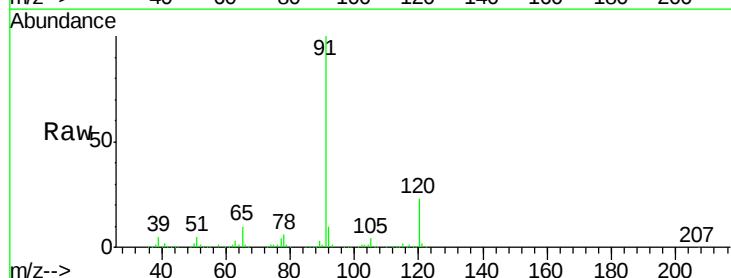
RT: 12.57 min Scan# 3357

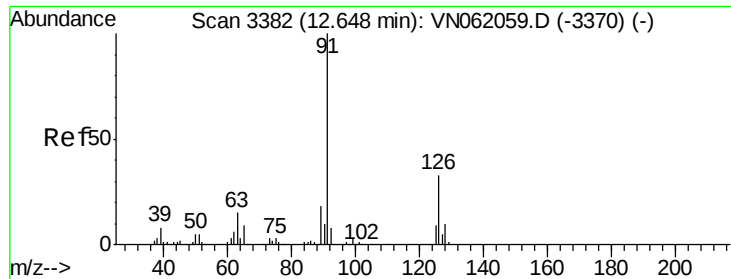
Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.4	34.1





#79

2-Chlorotoluene

Concen: 46.565 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 510968

Ion Ratio Lower Upper

91 100

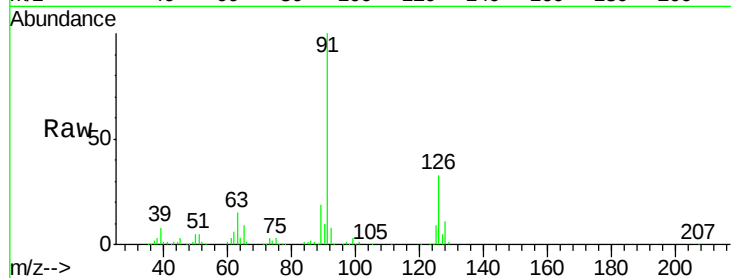
126 33.3 16.9 50.7

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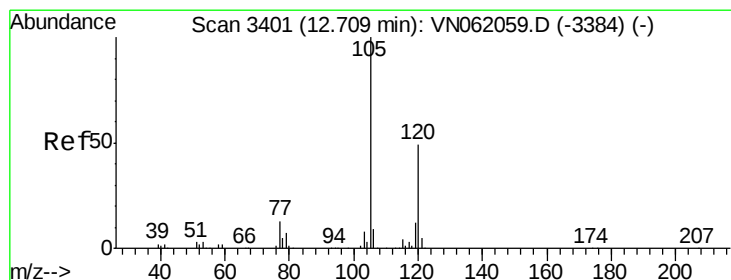
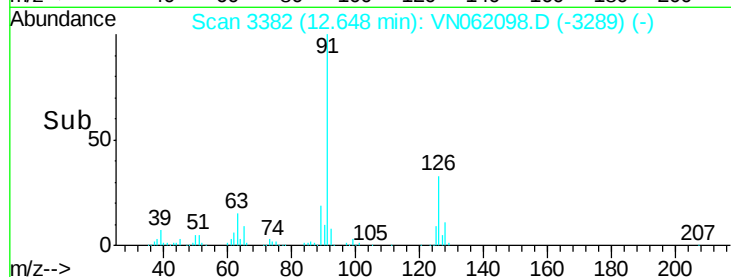
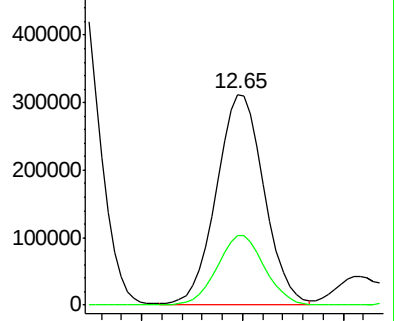
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Abundance Ion 91.00 (90.70 to 91.70): VN062059.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062059.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.394 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062098.D

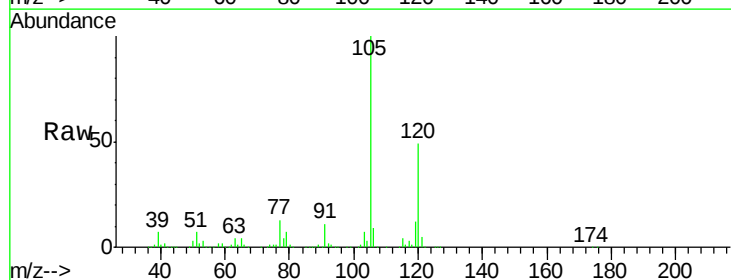
Acq: 25 Jun 2020 5:52

Tgt Ion: 105 Resp: 622524

Ion Ratio Lower Upper

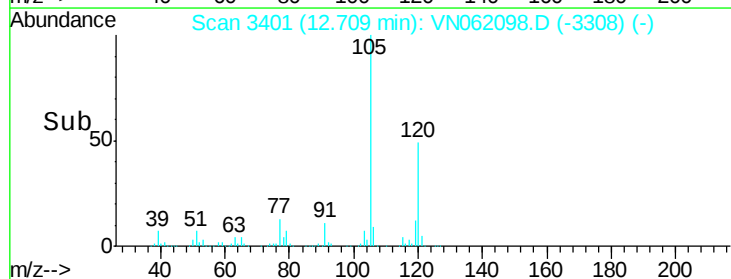
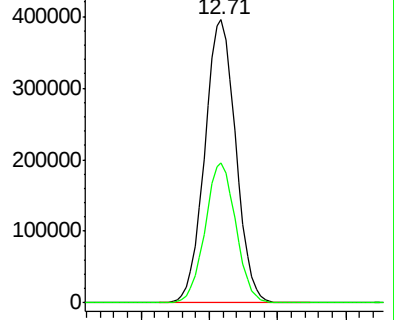
105 100

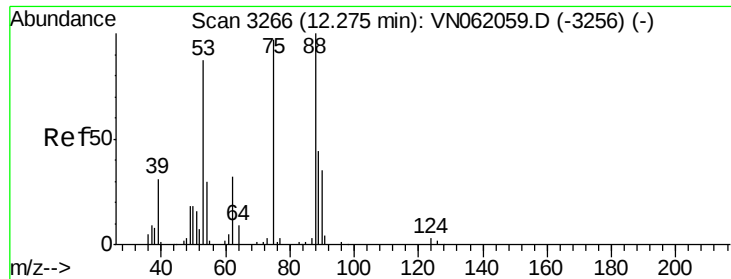
120 48.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062059.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN062059.D (-3384) (-)





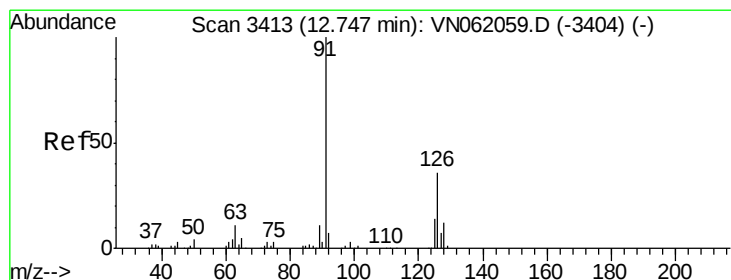
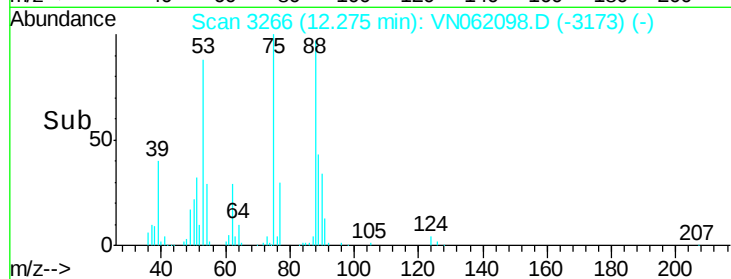
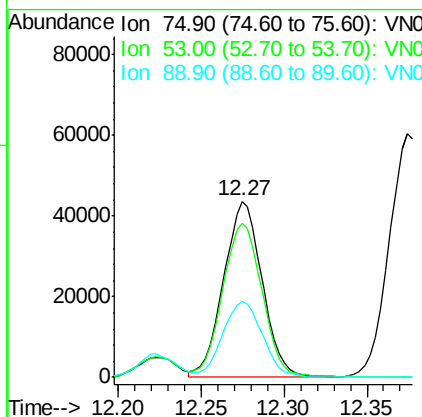
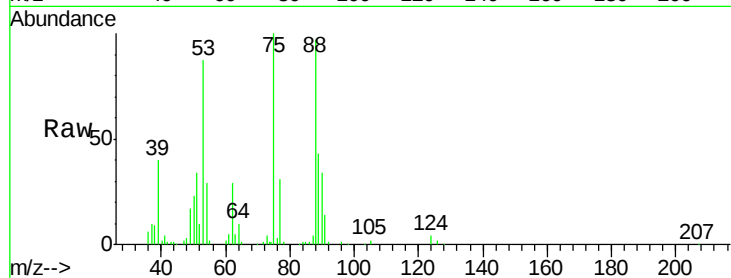
#81
trans-1,4-Dichloro-2-butene
Concen: 42.896 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	72.0	108.0
89	44.3	36.9	55.3

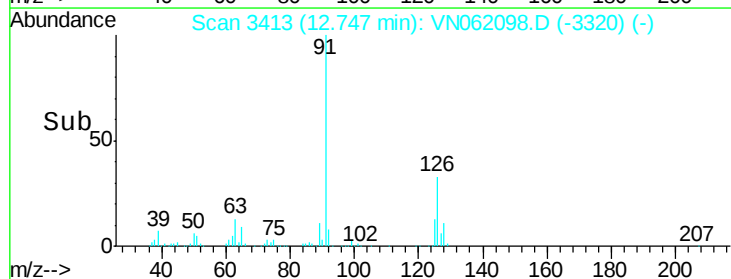
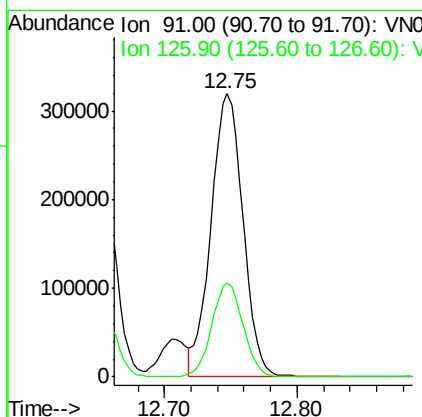
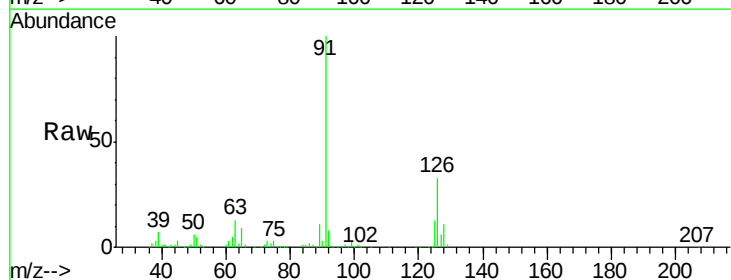
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#82
4-Chlorotoluene
Concen: 47.007 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.7	50.1





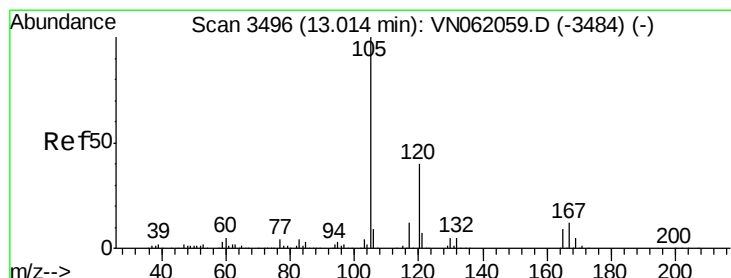
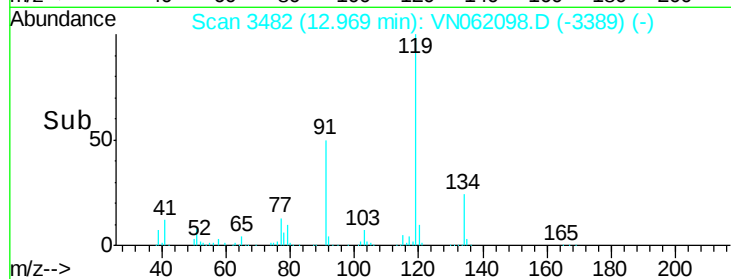
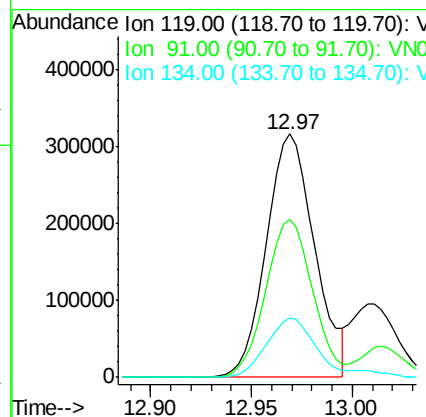
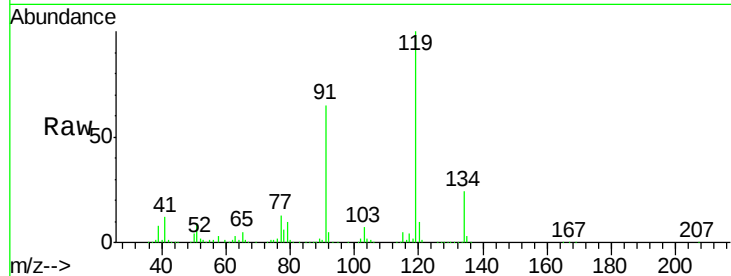
#83
 tert-Butylbenzene
 Concen: 47.829 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	526547		
91	63.5		31.7	95.1
134	26.3		13.1	39.1

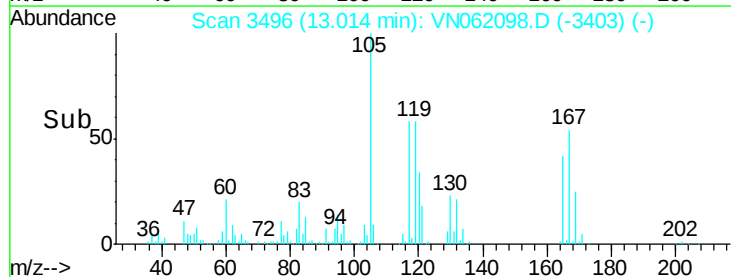
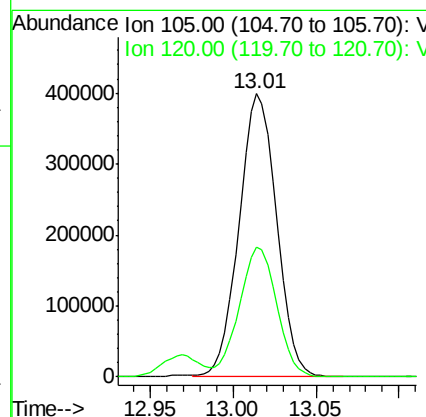
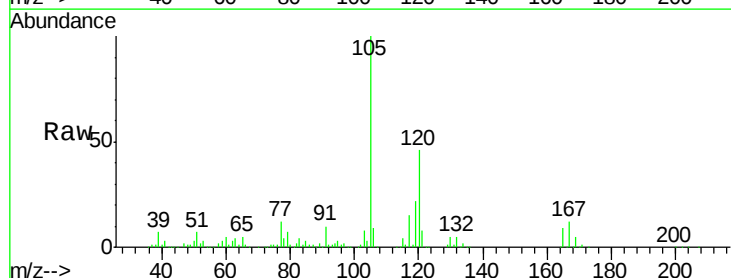
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.653 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	625077		
120	46.3		23.2	69.5





#85

sec-Butylbenzene

Concen: 47.890 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 696652

Ion Ratio Lower Upper

105 100

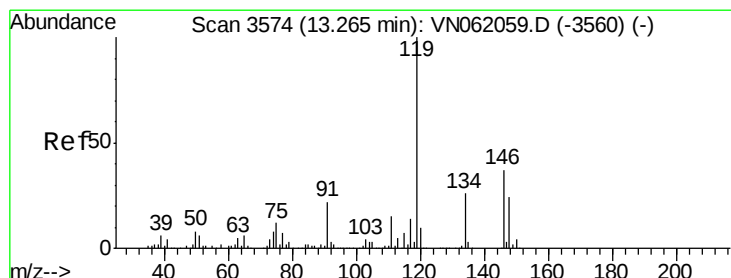
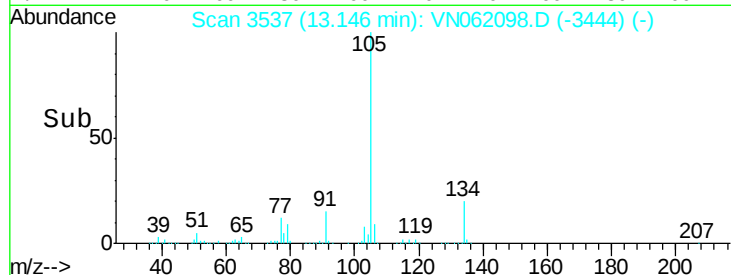
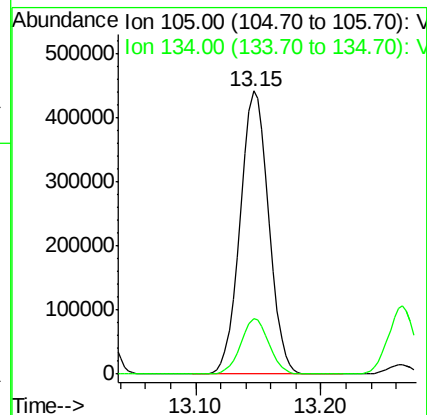
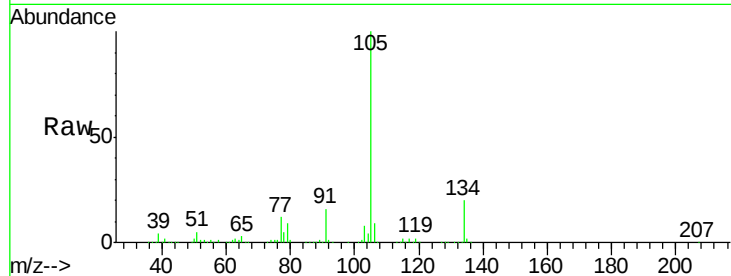
134 19.4 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.526 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

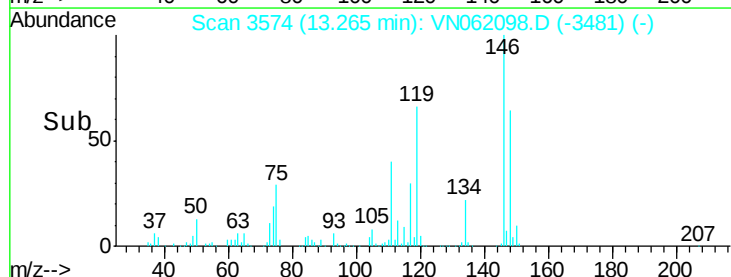
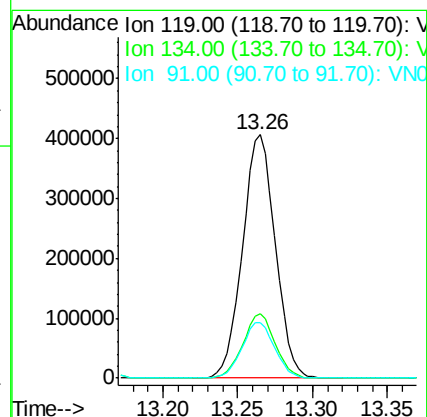
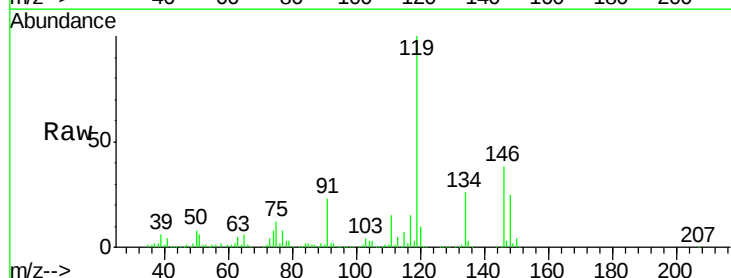
Tgt Ion:119 Resp: 618456

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 22.9 11.3 33.8





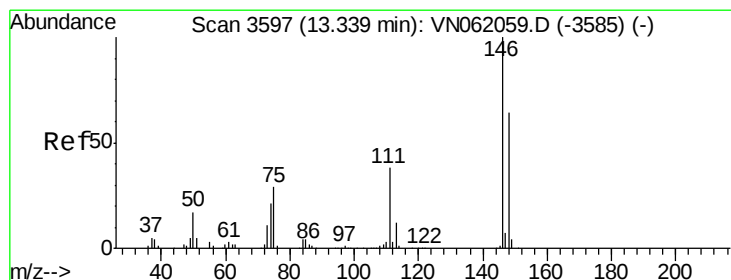
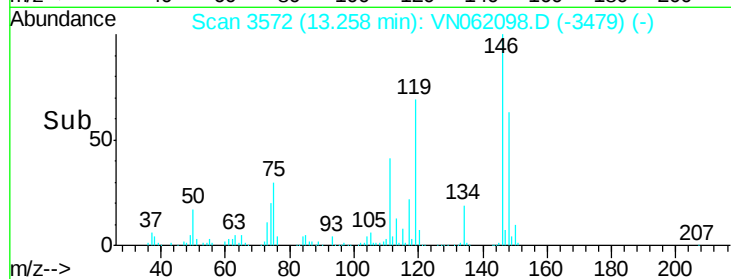
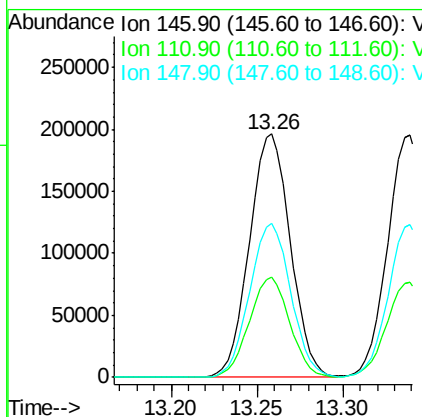
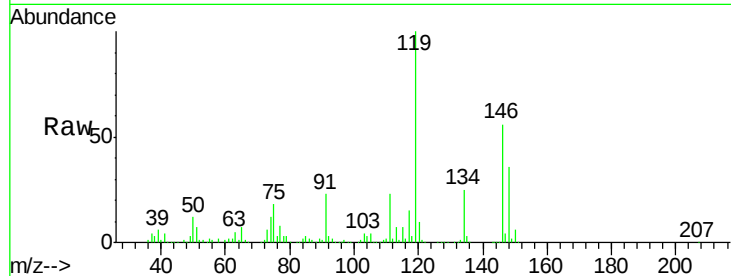
#87
 1,3-Dichlorobenzene
 Concen: 46.931 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	324663		
111	40.6	20.3	61.0	
148	63.5	31.8	95.3	

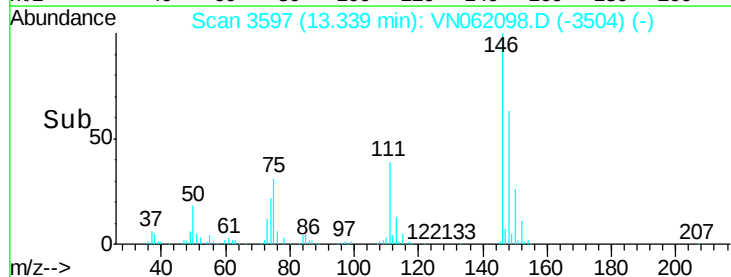
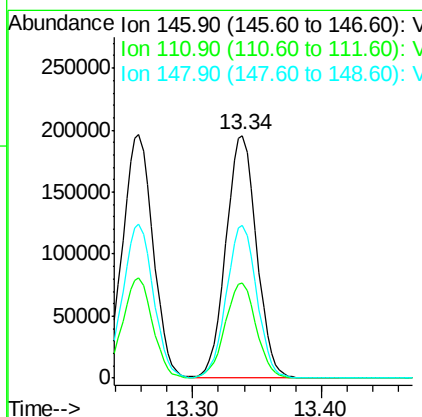
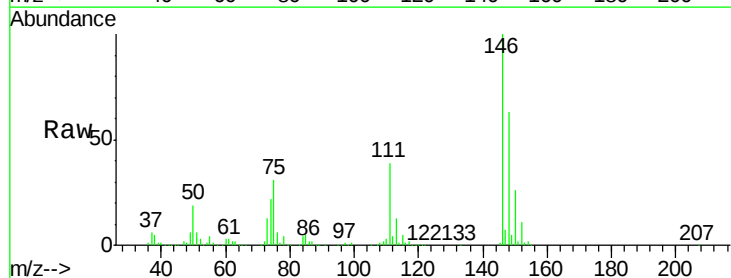
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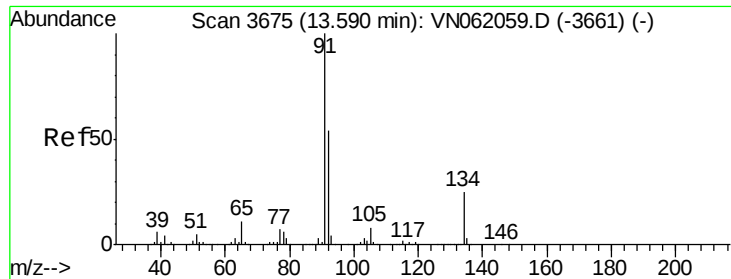
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#88
 1,4-Dichlorobenzene
 Concen: 45.048 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	321240		
111	39.9	19.9	59.6	
148	62.3	31.9	95.9	





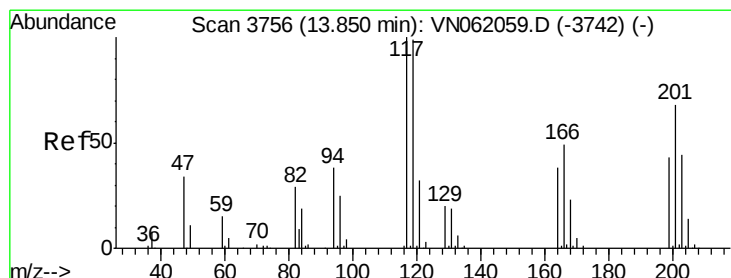
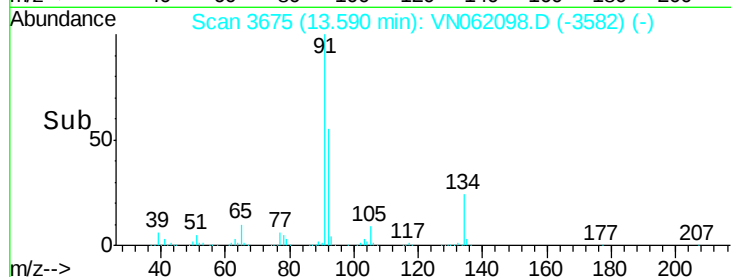
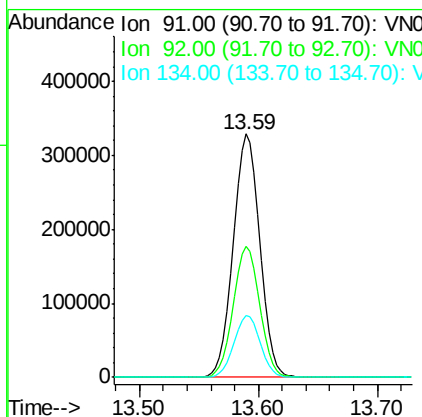
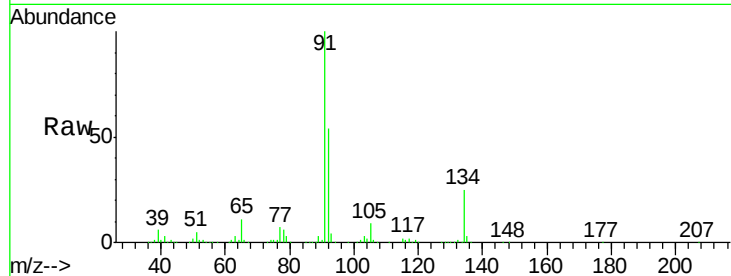
#89
n-Butylbenzene
Concen: 48.128 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	25.3	12.3	36.9

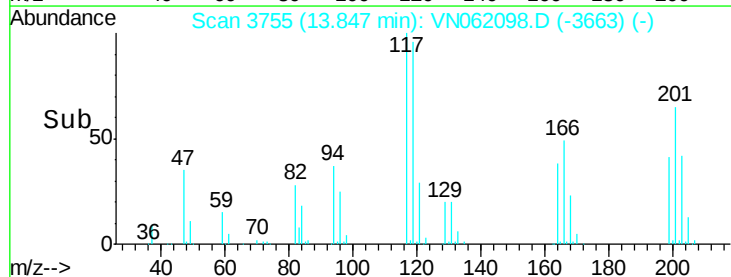
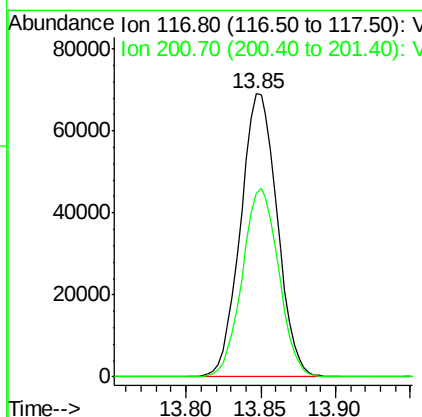
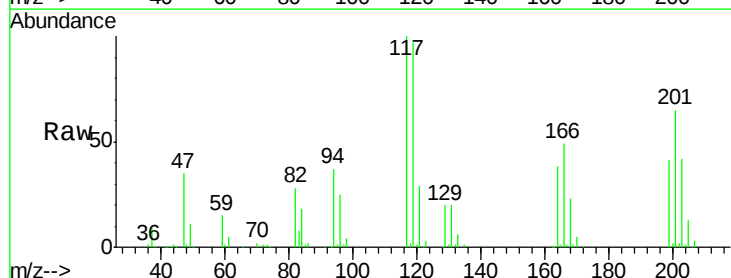
Manual Integrations
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#90
Hexachloroethane
Concen: 47.191 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062098.D
Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	32.7	98.1





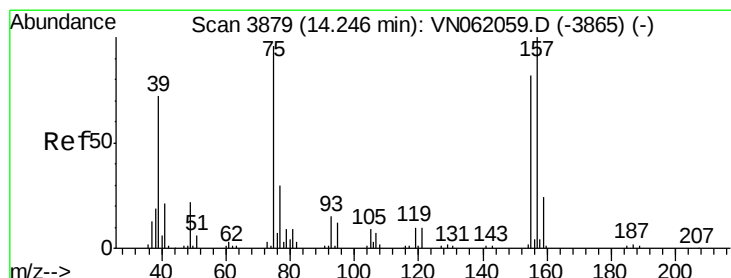
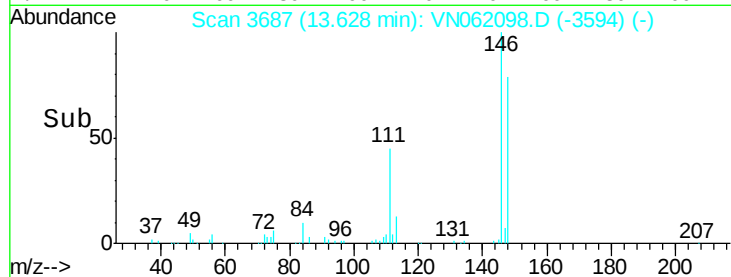
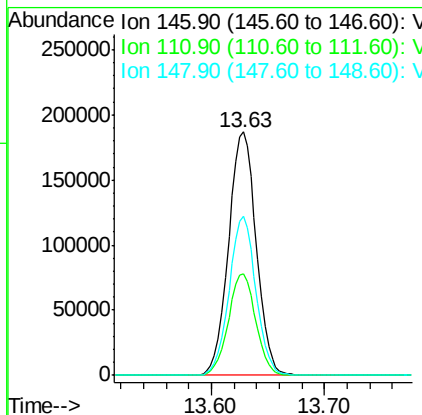
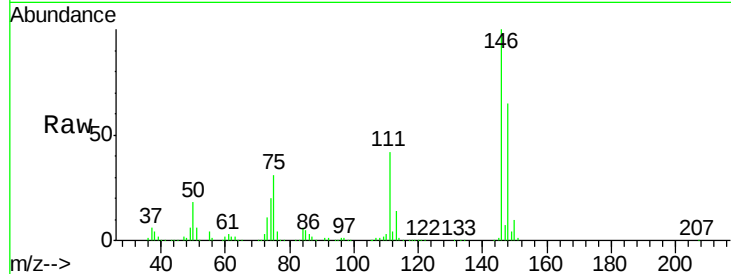
#91
 1,2-Dichlorobenzene
 Concen: 47.375 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.2	63.6
148	63.1	31.9	95.5

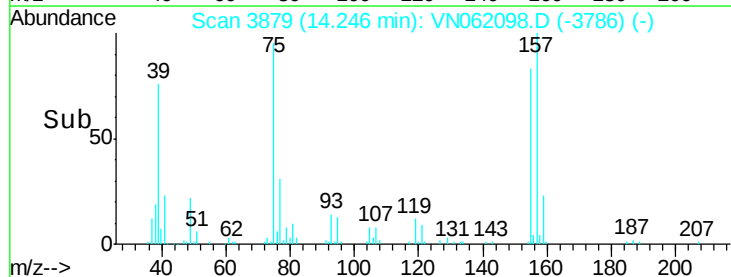
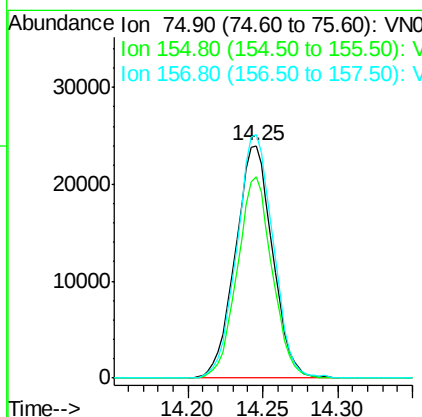
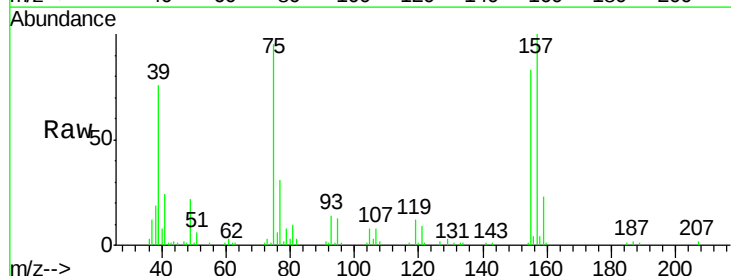
Manual Integrations
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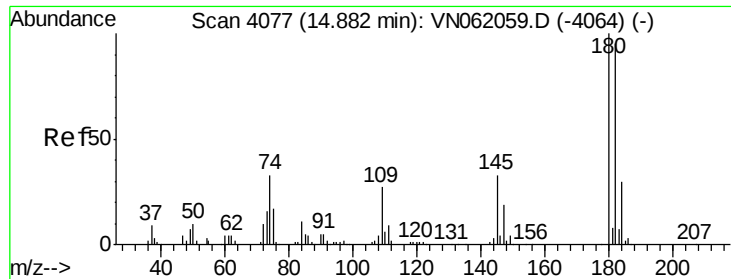
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.939 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	40.8	122.4
157	102.7	51.4	154.3





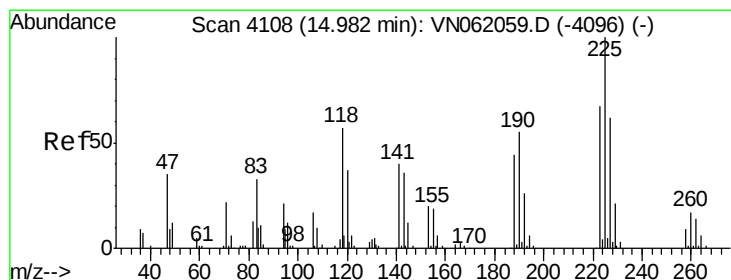
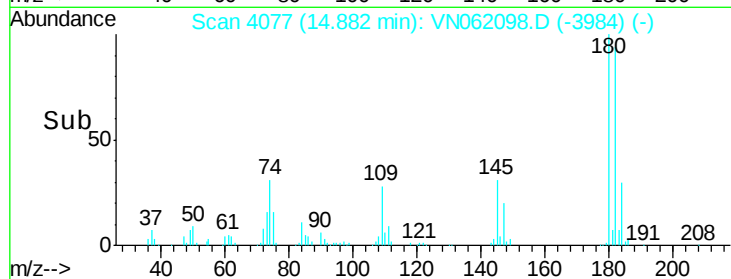
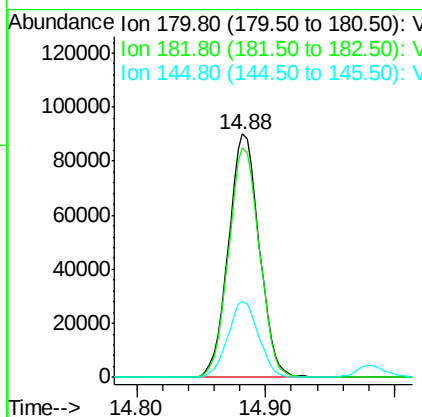
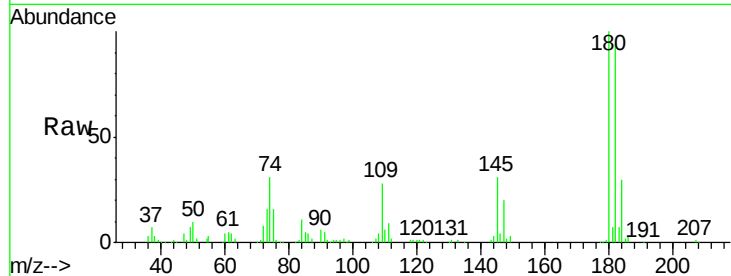
#93
 1,2,4-Trichlorobenzene
 Concen: 50.752 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	31.2	16.0	48.0

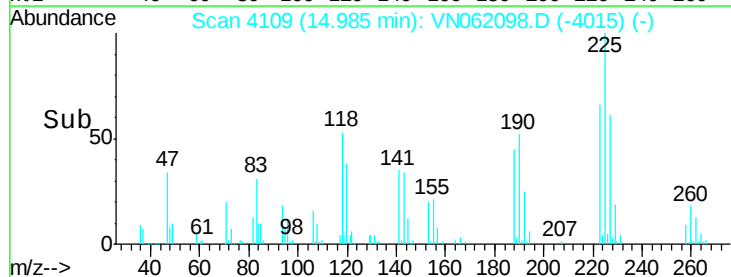
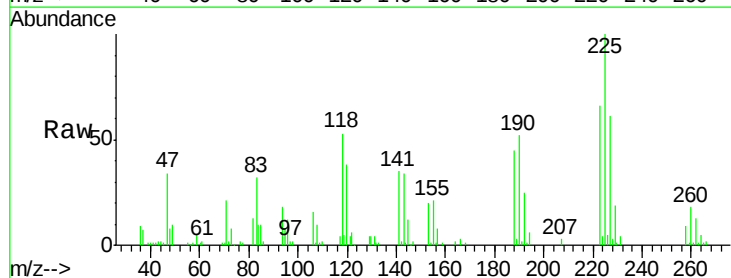
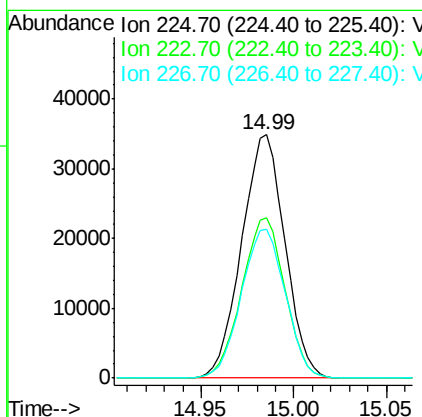
Manual Integrations
 APPROVED

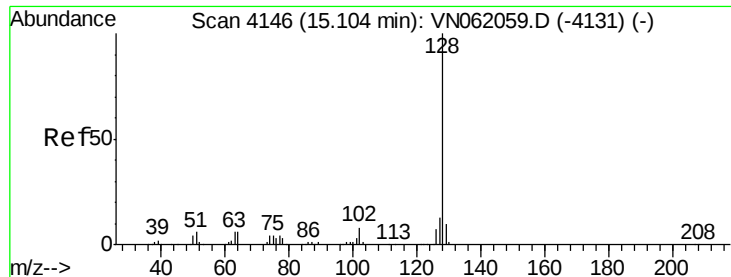
MMDadoda
 6/25/2020 6:10:59 PM



#94
 Hexachlorobutadiene
 Concen: 44.457 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062098.D
 Acq: 25 Jun 2020 5:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	32.9	98.7
227	62.4	31.3	93.8





#95

Naphthalene

Concen: 46.794 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Instrument :

MSVOA_N

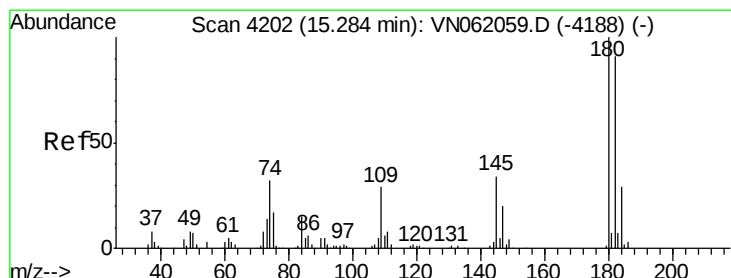
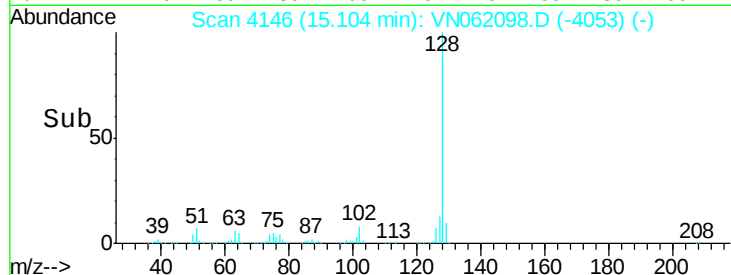
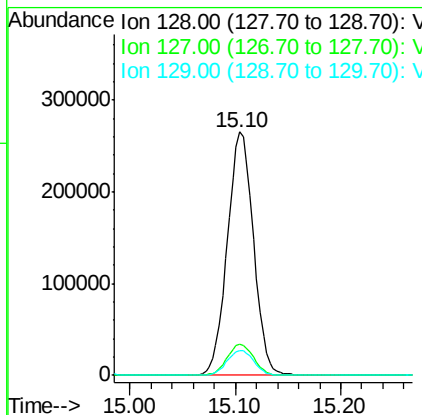
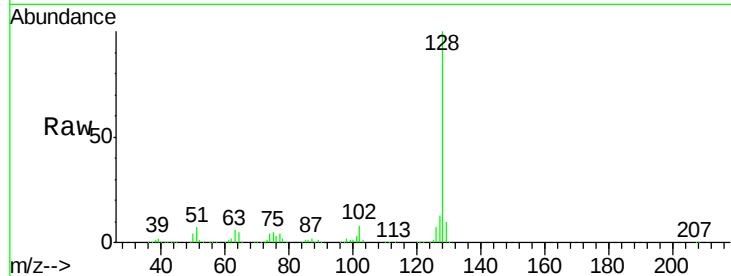
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	454507
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/25/2020 6:10:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.153 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062098.D

Acq: 25 Jun 2020 5:52

Tgt Ion:	180	Resp:	147289
Ion Ratio		Lower	Upper
180	100		
182	96.6	46.8	140.4
145	33.9	16.4	49.2

