

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN061990.D
 Acq On : 22 Jun 2020 11:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 12:48:02 PM

Quant Time: Jun 22 15:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	171483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	288276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	275470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	128019	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
35) Dibromofluoromethane	7.54	113	103831	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	
50) Toluene-d8	10.06	98	403348	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
62) 4-Bromofluorobenzene	12.37	95	143099	57.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102180	45.819	ug/l	100
3) Chloromethane	2.03	50	101049	42.453	ug/l	98
4) Vinyl Chloride	2.16	62	127026	44.765	ug/l	98
5) Bromomethane	2.52	94	89520	41.082	ug/l	97
6) Chloroethane	2.66	64	89229	46.463	ug/l	100
7) Trichlorofluoromethane	2.97	101	165573	48.849	ug/l	97
8) Diethyl Ether	3.37	74	60628	53.207	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	86790	49.911	ug/l	98
10) Methyl Iodide	3.91	142	104545	49.835	ug/l	100
11) Tert butyl alcohol	4.73	59	83227	261.514	ug/l	98
12) 1,1-Dichloroethene	3.69	96	82824	47.536	ug/l	97
13) Acrolein	3.56	56	64433	338.746	ug/l	100
14) Allyl chloride	4.27	41	119083	51.496	ug/l	99
15) Acrylonitrile	4.92	53	223465	283.378	ug/l	98
16) Acetone	3.77	43	187144	275.483	ug/l	98
17) Carbon Disulfide	4.00	76	199479	39.128	ug/l	100
18) Methyl Acetate	4.27	43	105776	54.083	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	311292	53.659	ug/l	100
20) Methylene Chloride	4.50	84	105306	47.580	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	93309	46.624	ug/l	97
22) Diisopropyl ether	5.90	45	289221	54.686	ug/l	98
23) Vinyl Acetate	5.84	43	1152101	276.972	ug/l	98
24) 1,1-Dichloroethane	5.79	63	175848	50.792	ug/l	97
25) 2-Butanone	6.78	43	282099	284.619	ug/l	100
26) 2,2-Dichloropropane	6.77	77	151802	52.116	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	115731	50.118	ug/l	98
28) Bromochloromethane	7.14	49	87088	56.496	ug/l	94
29) Tetrahydrofuran	7.16	42	179966	275.903	ug/l	98
30) Chloroform	7.32	83	186575	50.425	ug/l	99
31) Cyclohexane	7.61	56	134168	44.269	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	154726	49.102	ug/l	99
36) 1,1-Dichloropropene	7.75	75	131201	49.898	ug/l	99
37) Ethyl Acetate	6.88	43	116889	56.927	ug/l	99
38) Carbon Tetrachloride	7.73	117	131485	50.497	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	141930	50.129	ug/l	99
40) Benzene	8.00	78	412365	51.772	ug/l	99
41) Methacrylonitrile	7.12	41	48447	55.178	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	147506	54.313	ug/l	99
43) Isopropyl Acetate	8.12	43	201229	58.153	ug/l #	90
44) Trichloroethene	8.80	130	105503	50.331	ug/l	98
45) 1,2-Dichloropropane	9.08	63	107079	54.704	ug/l	99
46) Dibromomethane	9.17	93	74888	54.330	ug/l	99
47) Bromodichloromethane	9.37	83	153349	54.332	ug/l	98
48) Methyl methacrylate	9.17	41	92390	58.712	ug/l	95
49) 1,4-Dioxane	9.17	88	41332	1144.030	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	603289	295.034	ug/l	99
52) Toluene	10.12	92	265826	53.141	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	171778	57.330	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	184044	56.552	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	111414	56.609	ug/l	98
56) Ethyl methacrylate	10.40	69	156864	52.052	ug/l	98
57) 1,3-Dichloropropane	10.68	76	187360	56.191	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	328686	316.434	ug/l	98
59) 2-Hexanone	10.72	43	439028	267.740	ug/l	99
60) Dibromochloromethane	10.87	129	121763	55.444	ug/l	100
61) 1,2-Dibromoethane	10.98	107	111392	54.202	ug/l	99
64) Tetrachloroethene	10.60	164	87529	49.853	ug/l	98
65) Chlorobenzene	11.40	112	294914	50.737	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	108033	53.291	ug/l	100
67) Ethyl Benzene	11.48	91	516578	53.006	ug/l	99
68) m/p-Xylenes	11.59	106	399036	106.184	ug/l	99
69) o-Xylene	11.92	106	190841	53.224	ug/l	98
70) Styrene	11.94	104	330389	55.030	ug/l	100
71) Bromoform	12.10	173	81637	55.229	ug/l #	99
73) Isopropylbenzene	12.22	105	506391	52.261	ug/l	100
74) N-amyl acetate	12.04	43	179452	51.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	164138	52.102	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	146199m	54.613	ug/l	
77) Bromobenzene	12.50	156	123940	50.701	ug/l	97
78) n-propylbenzene	12.56	91	583280	52.756	ug/l	100
79) 2-Chlorotoluene	12.65	91	342957	51.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	421205	52.543	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	55042	56.079	ug/l	98
82) 4-Chlorotoluene	12.75	91	360007	52.468	ug/l	99
83) tert-Butylbenzene	12.97	119	352424	51.857	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	428674	54.172	ug/l	99
85) sec-Butylbenzene	13.15	105	477443	53.674	ug/l	99
86) p-Isopropyltoluene	13.26	119	432052	54.508	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	228947	51.351	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	226615	49.655	ug/l	99
89) n-Butylbenzene	13.59	91	361000	54.535	ug/l	99
90) Hexachloroethane	13.85	117	79131	54.538	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	222558	51.851	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	27893	54.539	ug/l	93

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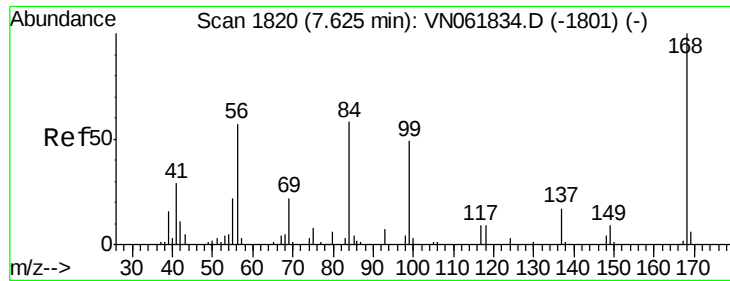
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	107262	52.958	ug/l	99
94) Hexachlorobutadiene	14.98	225	43151	54.093	ug/l	99
95) Naphthalene	15.10	128	309146	45.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	108015	53.849	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 171483

Ion Ratio Lower Upper

168 100

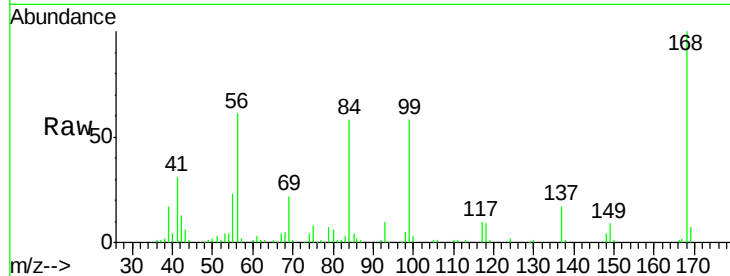
99 57.4 44.6 67.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

60000

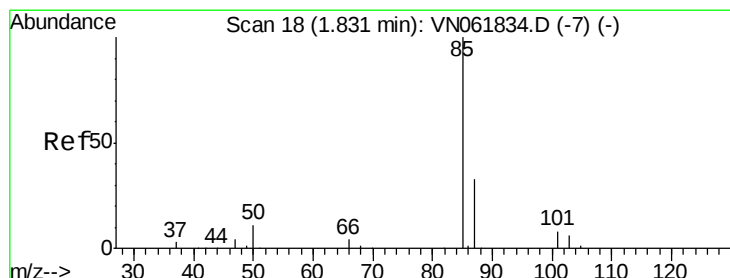
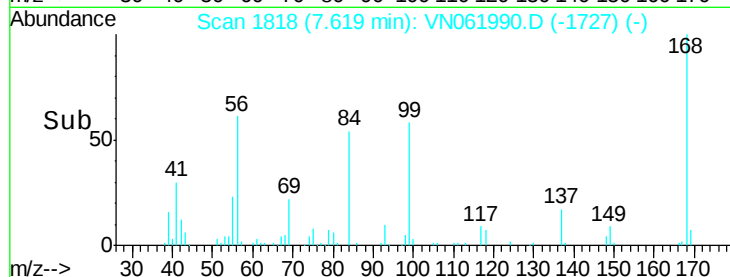
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.819 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061990.D

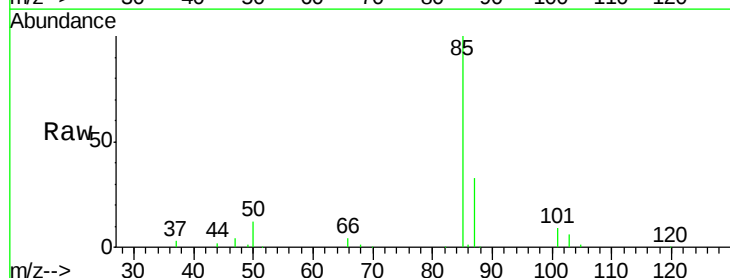
Acq: 22 Jun 2020 11:02

Tgt Ion: 85 Resp: 102180

Ion Ratio Lower Upper

85 100

87 33.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

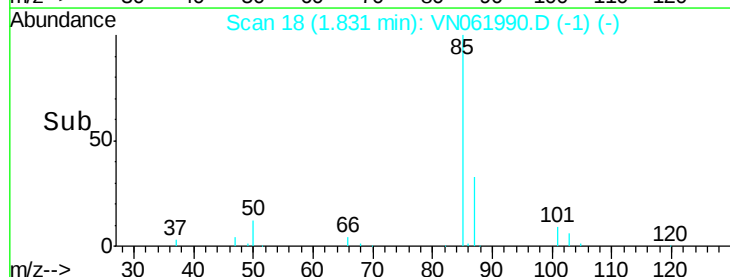
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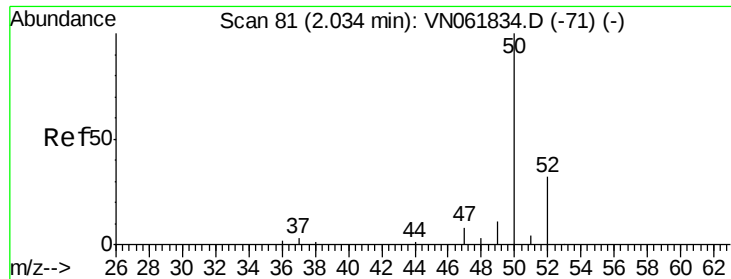
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.453 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 101049

Ion Ratio Lower Upper

50 100

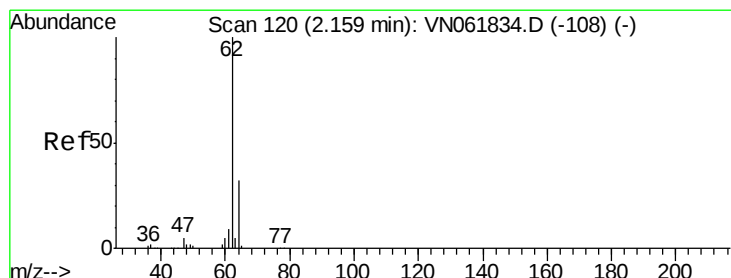
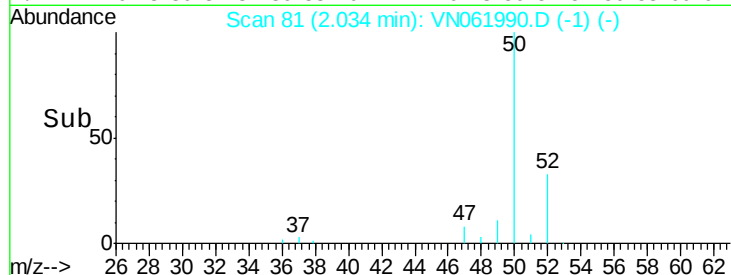
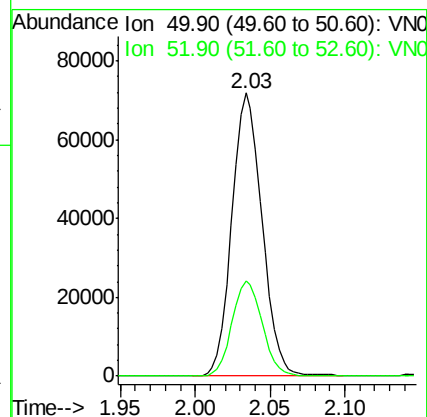
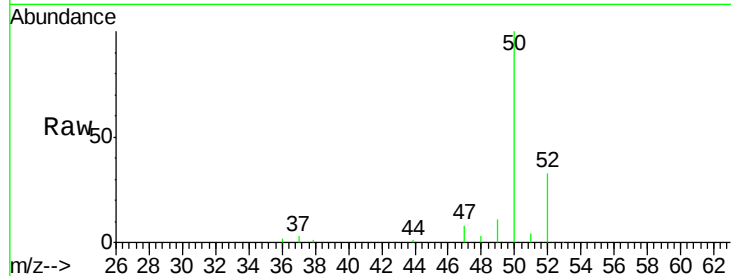
52 33.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 44.765 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061990.D

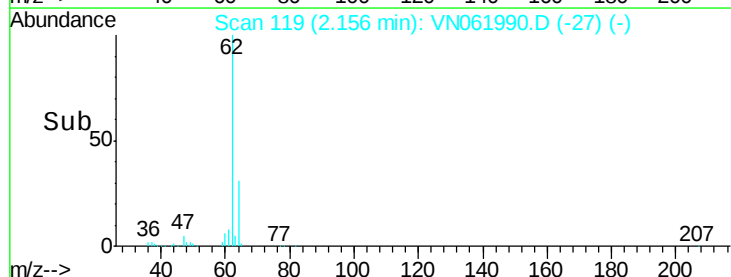
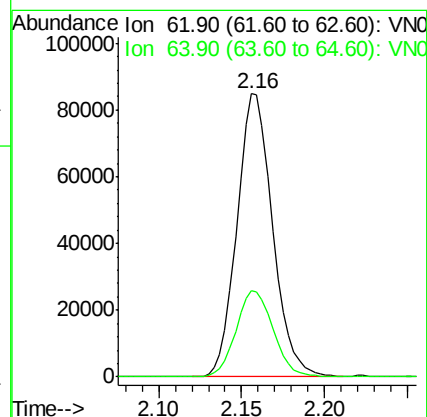
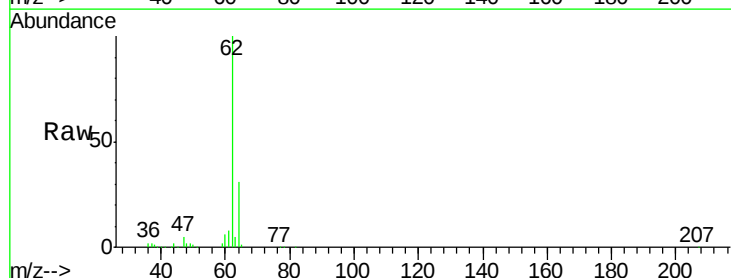
Acq: 22 Jun 2020 11:02

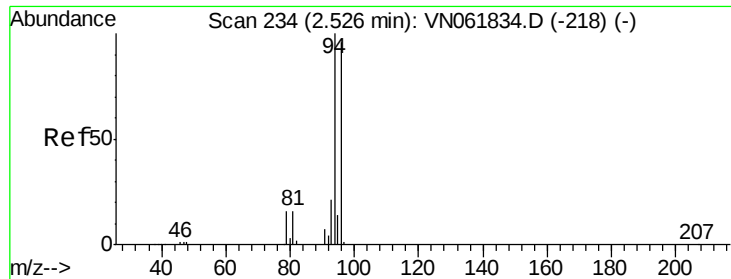
Tgt Ion: 62 Resp: 127026

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 41.082 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 89520

Ion Ratio Lower Upper

94 100

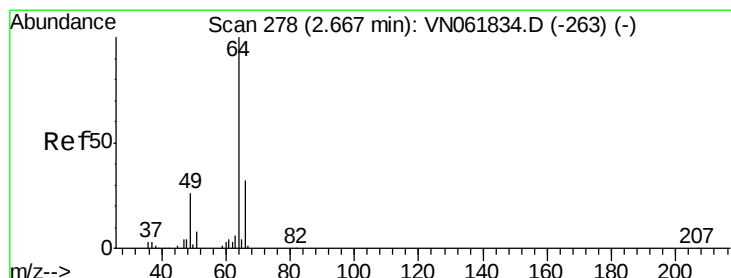
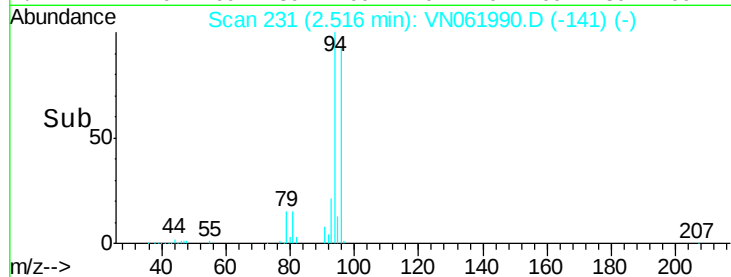
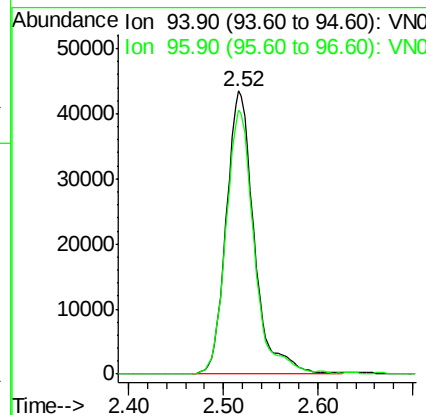
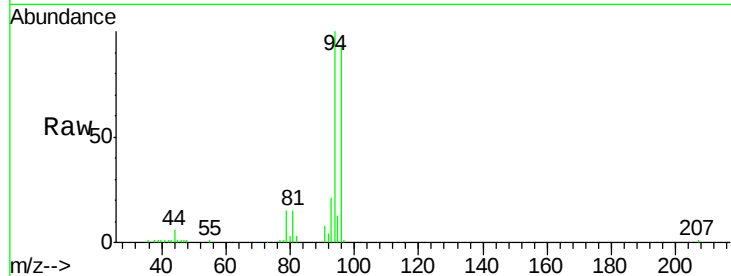
96 93.3 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 46.463 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN061990.D

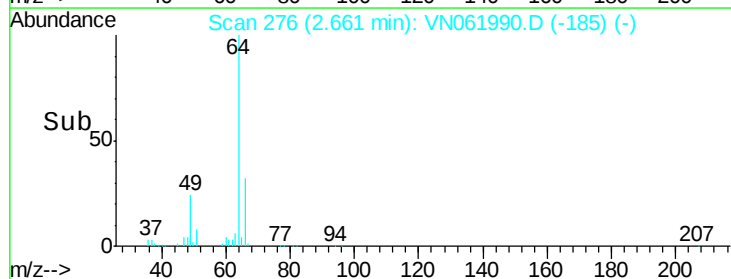
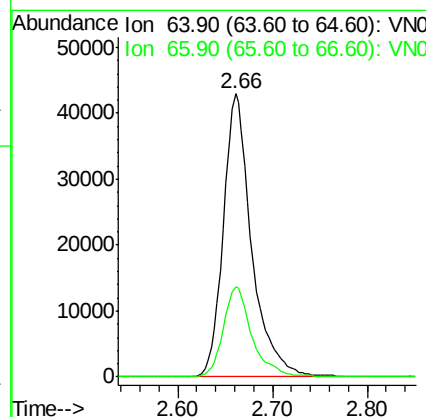
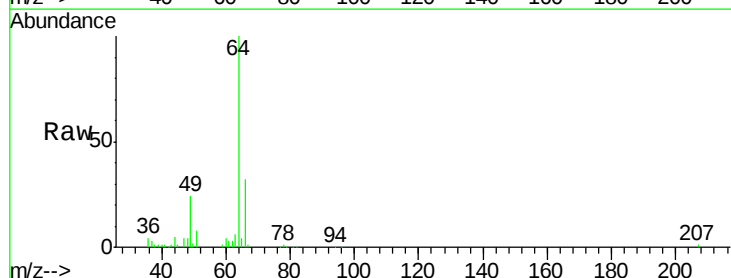
Acq: 22 Jun 2020 11:02

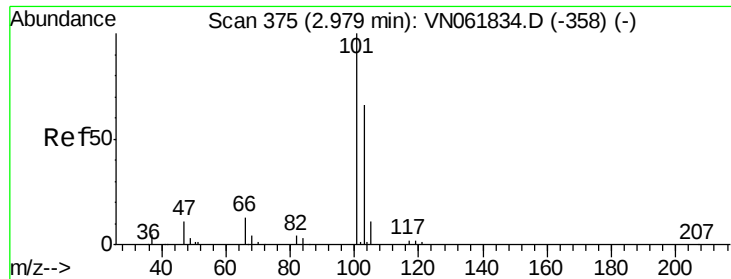
Tgt Ion: 64 Resp: 89229

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2





#7

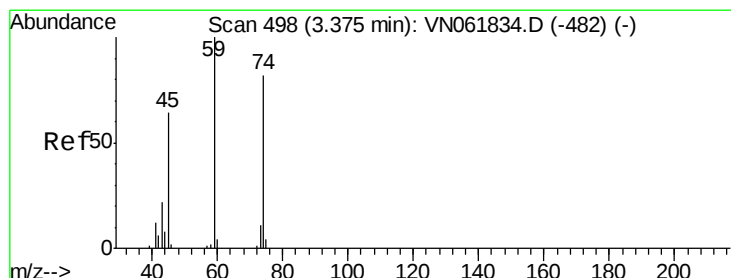
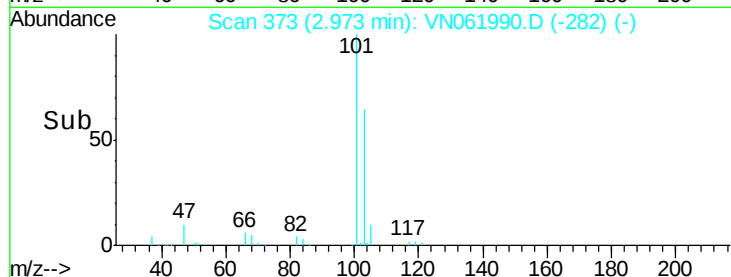
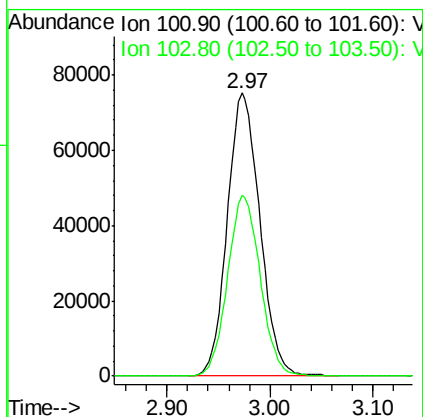
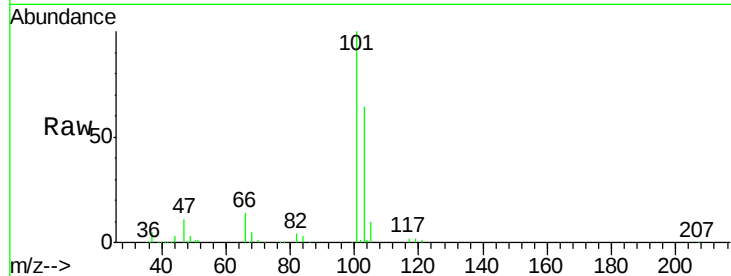
Trichlorofluoromethane
Concen: 48.849 ug/l
RT: 2.97 min Scan# 373
Delta R.T. -0.01 min
Lab File: VN061990.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		165573		
103	63.8	52.8	79.2		

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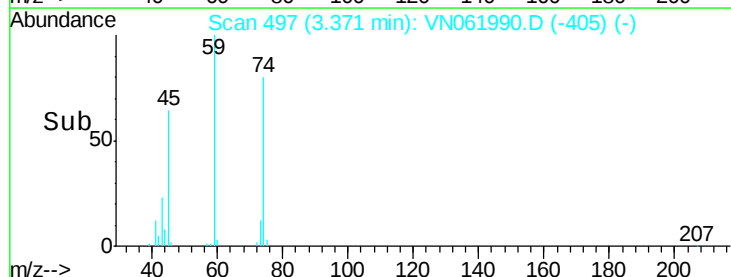
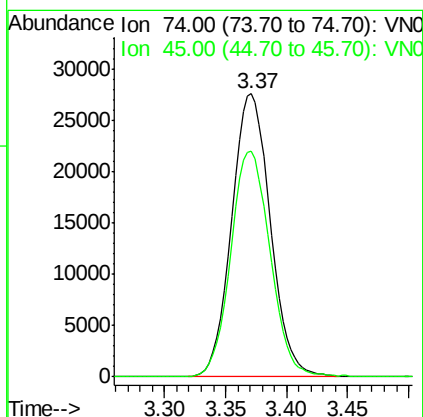
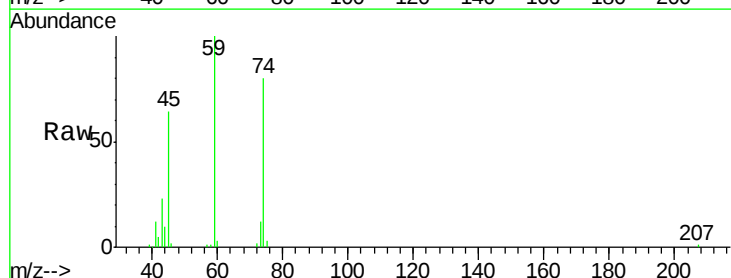
MMDadoda
6/23/2020 12:48:02 PM

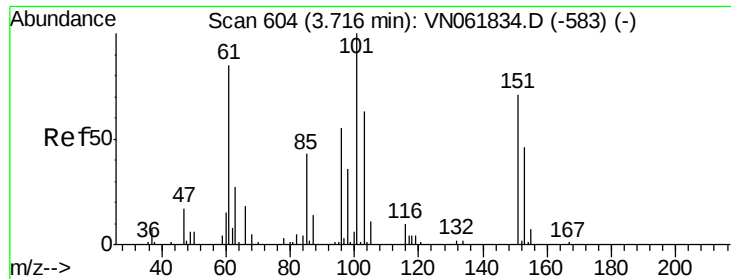


#8

Diethyl Ether
Concen: 53.207 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		60628		
45	81.4	39.1	117.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.911 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

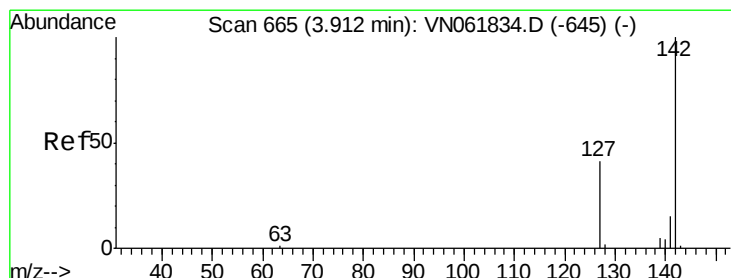
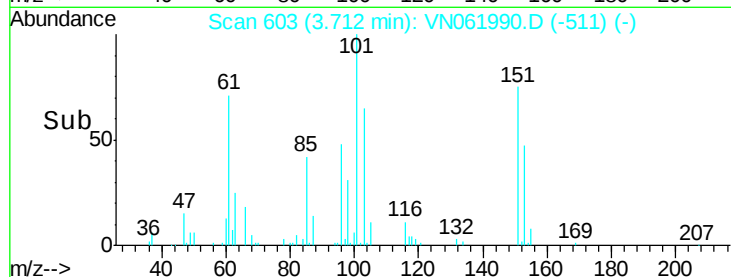
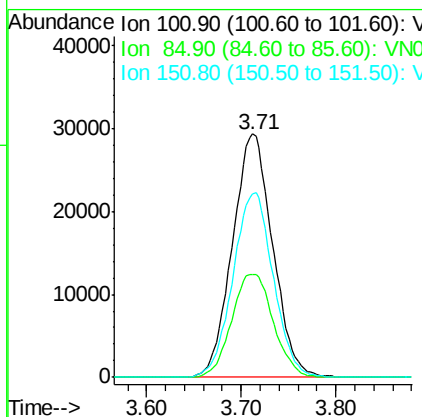
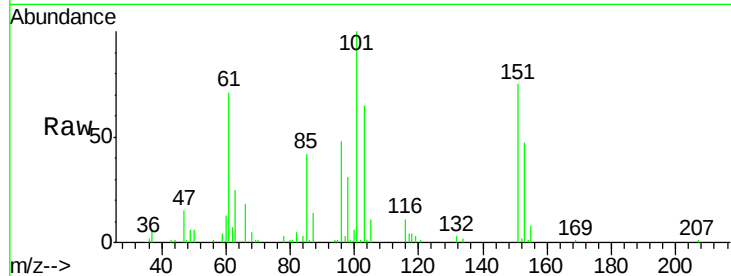
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	86790
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.6
151	76.1	59.2	88.8

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#10

Methyl Iodide

Concen: 49.835 ug/l

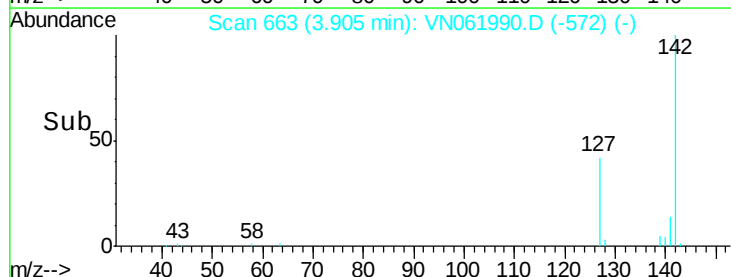
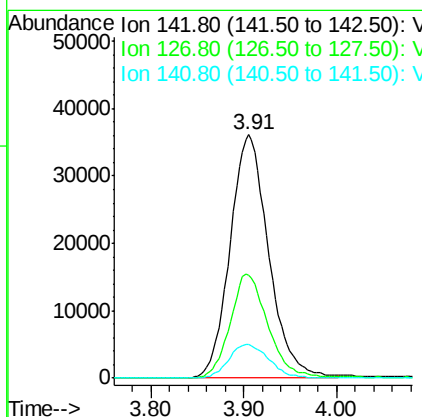
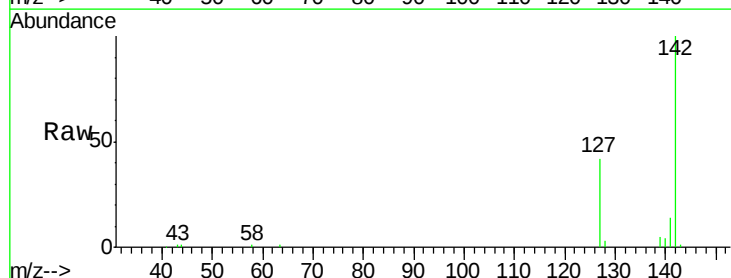
RT: 3.91 min Scan# 663

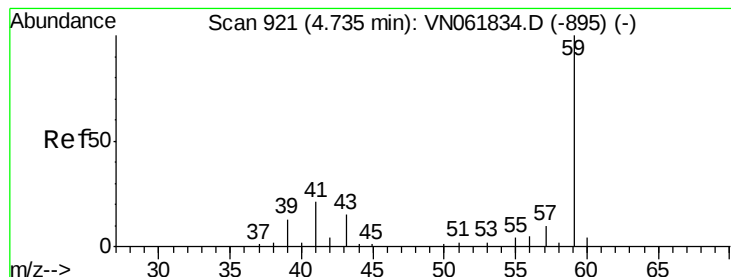
Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Tgt Ion:	142	Resp:	104545
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.4	50.0
141	14.3	11.3	16.9





#11

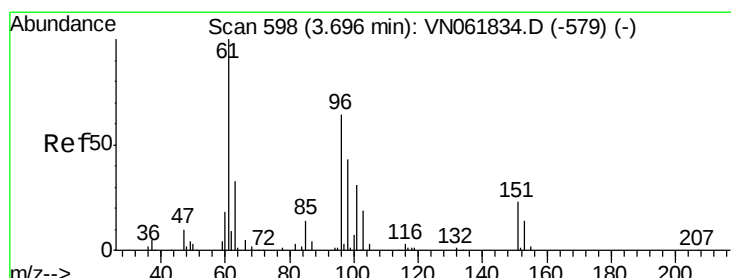
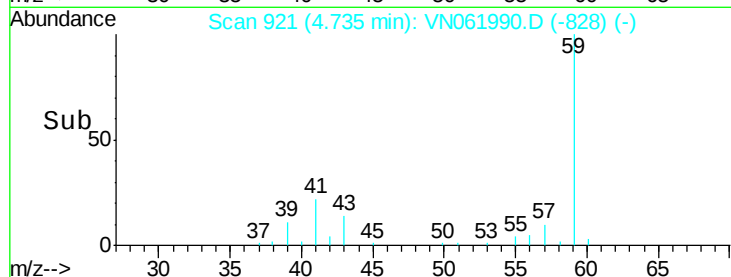
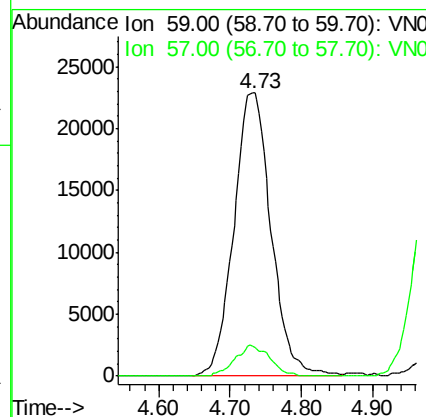
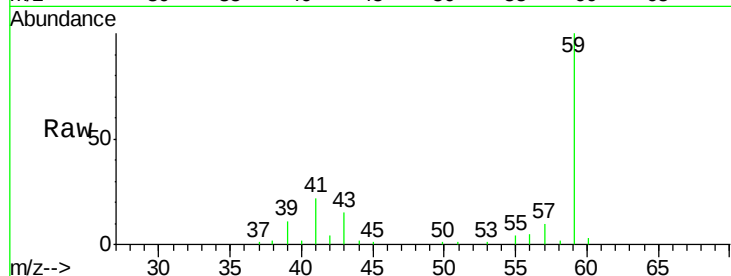
Tert butyl alcohol
 Concen: 261.514 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 59 Resp: 83227
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.7 11.5

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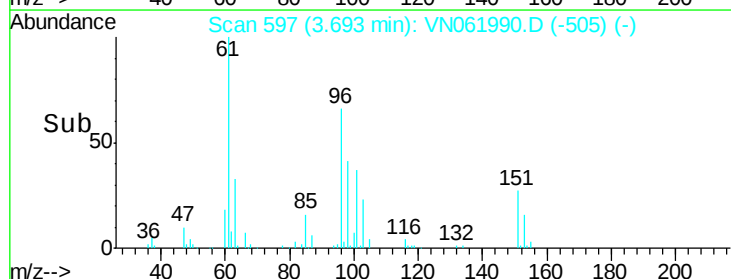
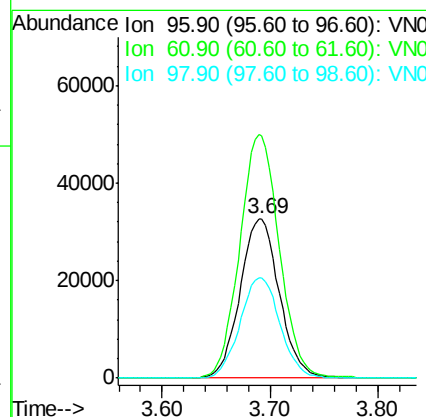
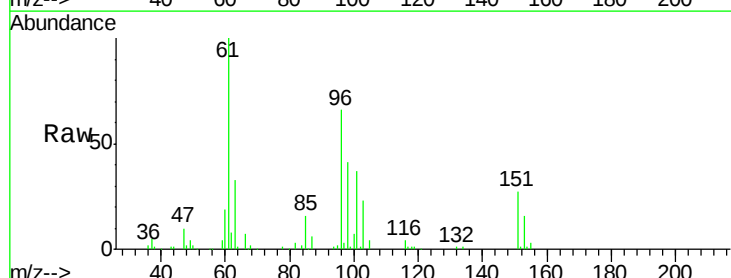
MMDadoda
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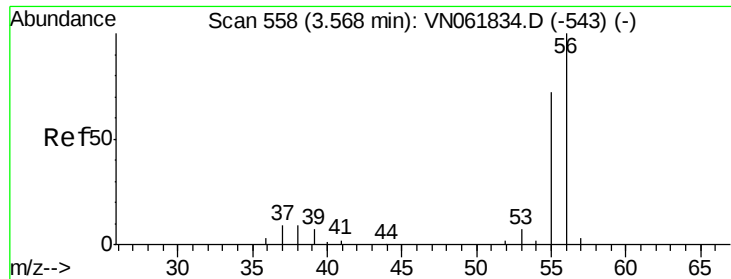


#12

1,1-Dichloroethene
 Concen: 47.536 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion: 96 Resp: 82824
 Ion Ratio Lower Upper
 96 100
 61 151.8 124.3 186.5
 98 62.7 53.1 79.7





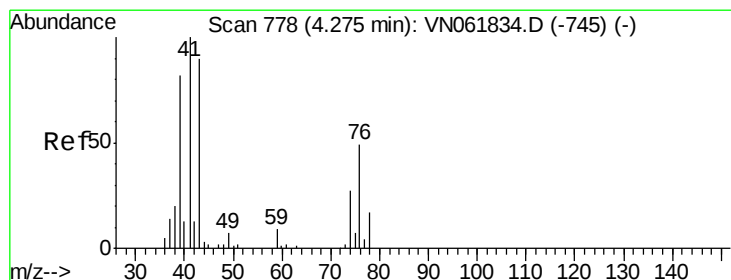
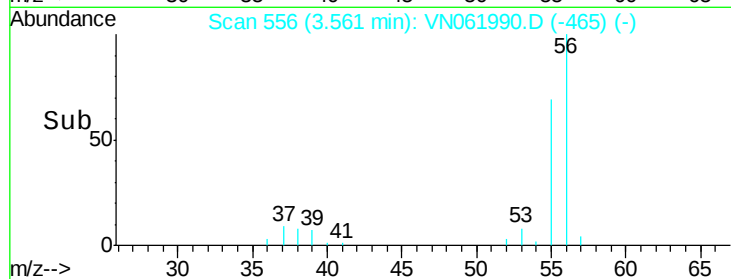
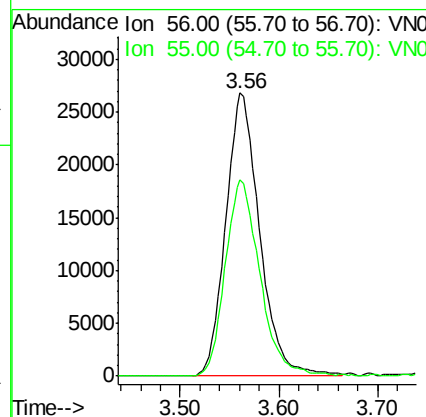
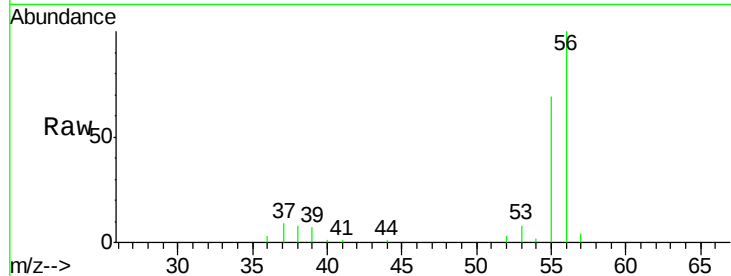
#13
Acrolein
Concen: 338.746 ug/l
RT: 3.56 min Scan# 556
Delta R.T. -0.01 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.2	56.2	84.4

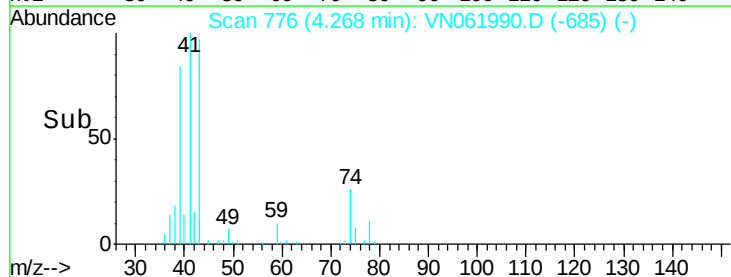
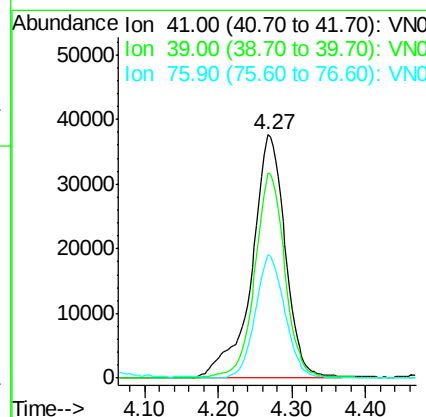
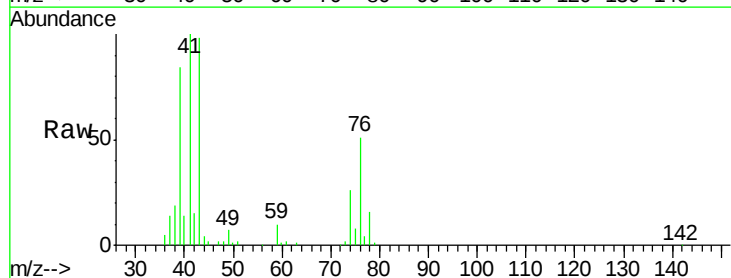
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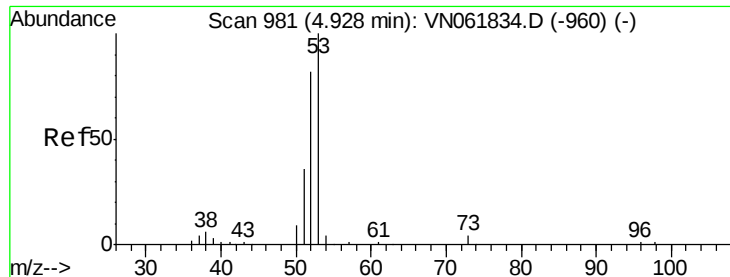
MMDadoda
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#14
Allyl chloride
Concen: 51.496 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	75.5	60.2	90.2
76	76	44.4	36.3	54.5





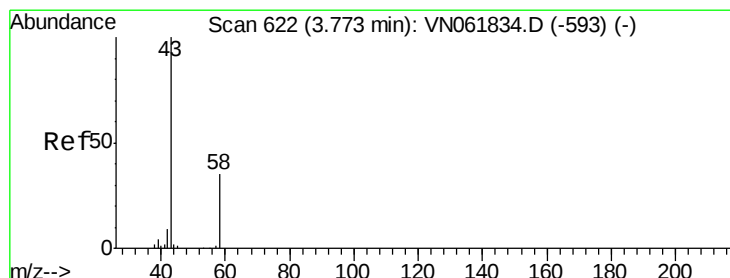
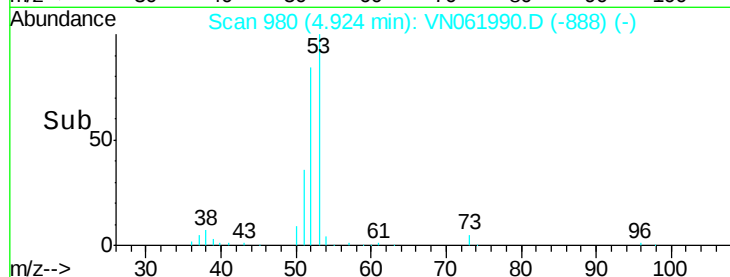
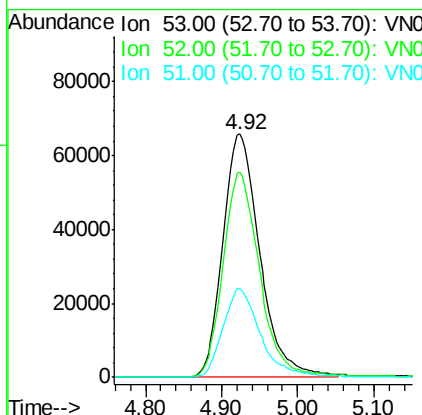
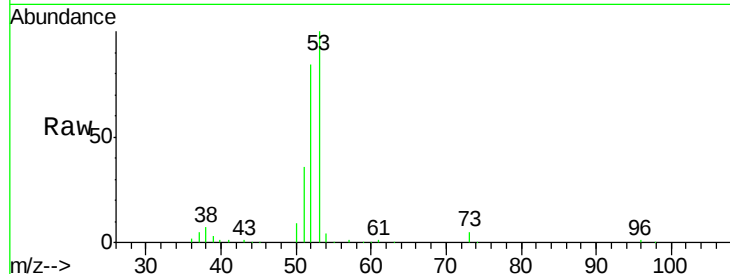
#15
 Acrylonitrile
 Concen: 283.378 ug/l
 RT: 4.92 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	223465
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.2	97.8
51	37.0	29.3	43.9

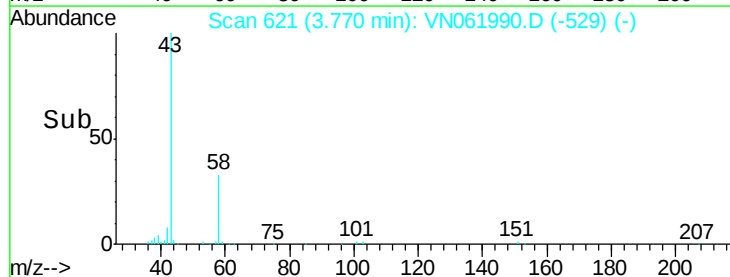
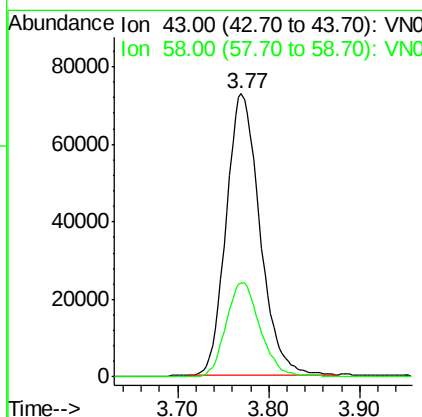
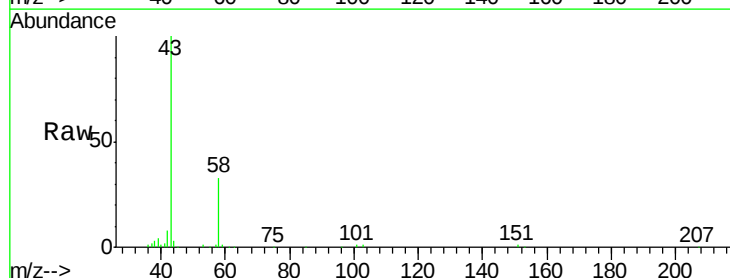
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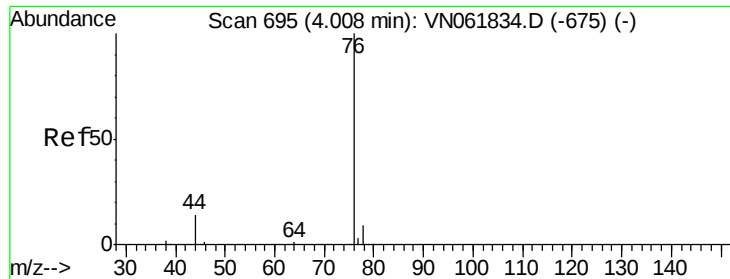
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#16
 Acetone
 Concen: 275.483 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion:	43	Resp:	187144
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.8	41.8





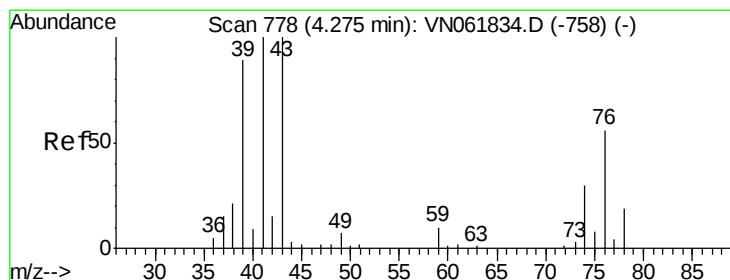
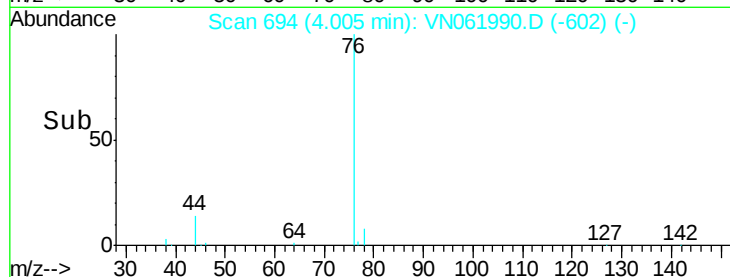
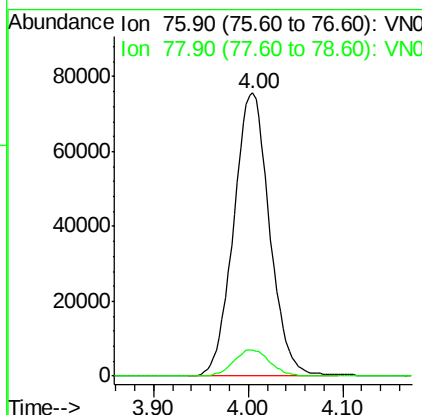
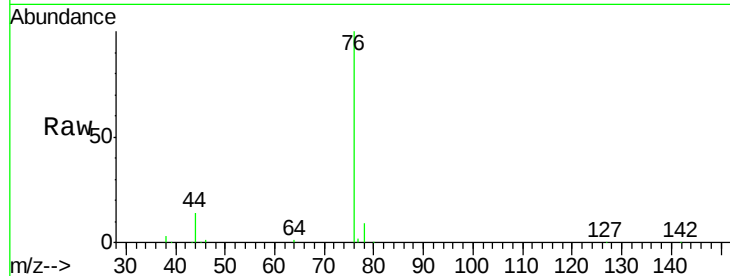
#17
Carbon Disulfide
Concen: 39.128 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

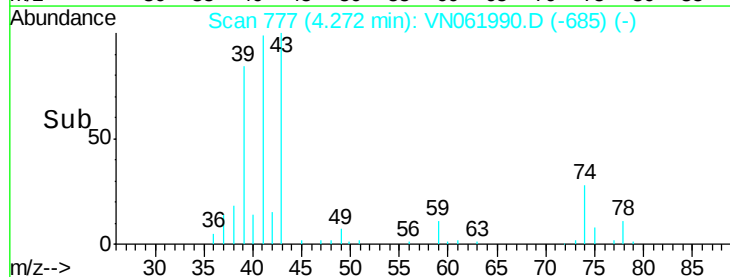
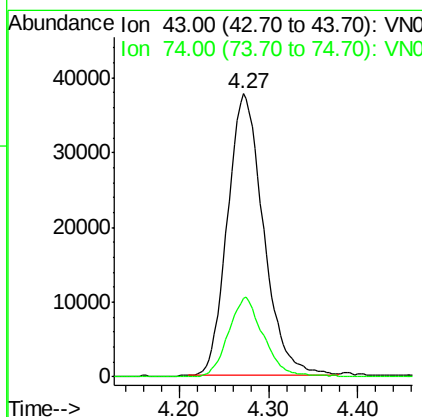
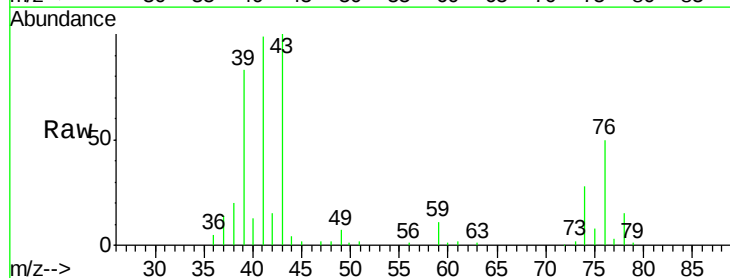
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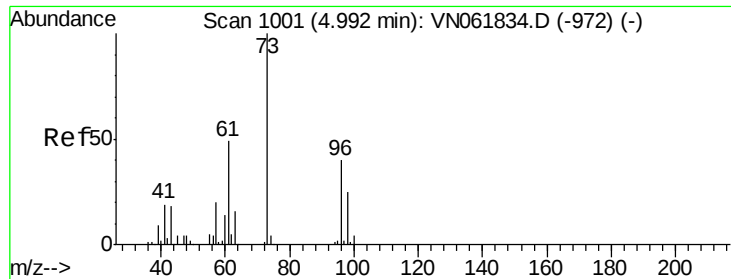
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#18
Methyl Acetate
Concen: 54.083 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	23.0	34.4





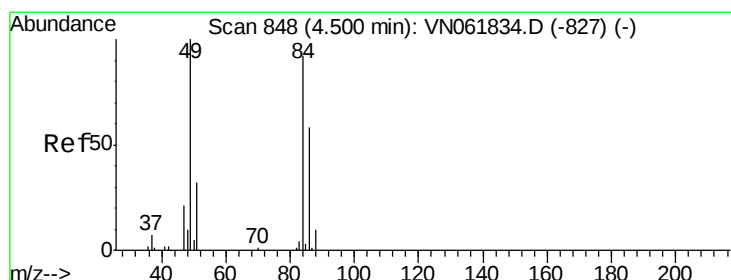
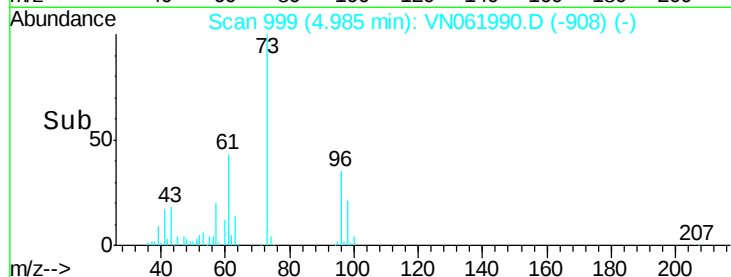
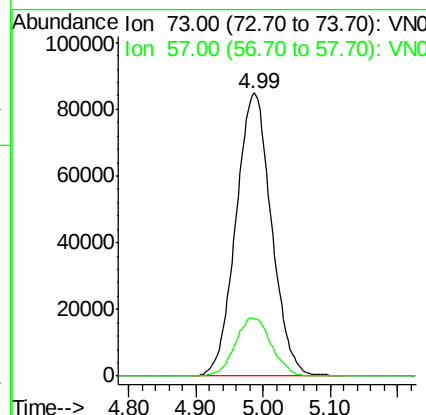
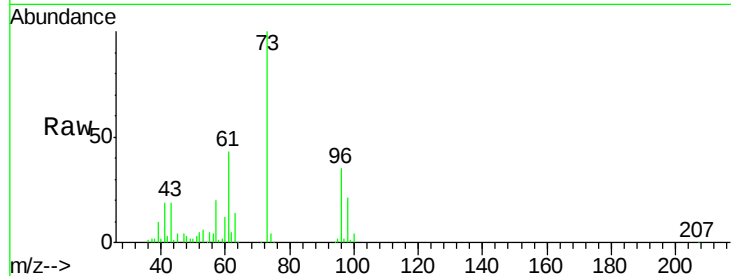
#19
Methvl tert-butvl Ether
Concen: 53.659 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 311292
Ion Ratio Lower Upper
73 100
57 20.4 16.2 24.4

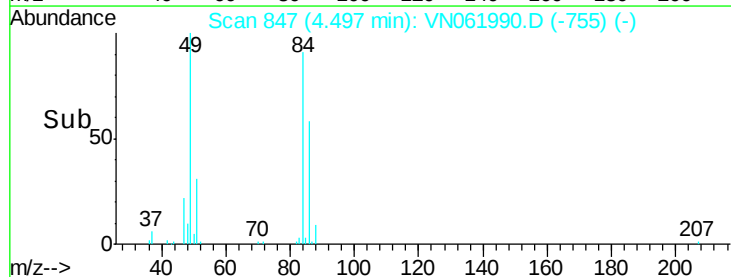
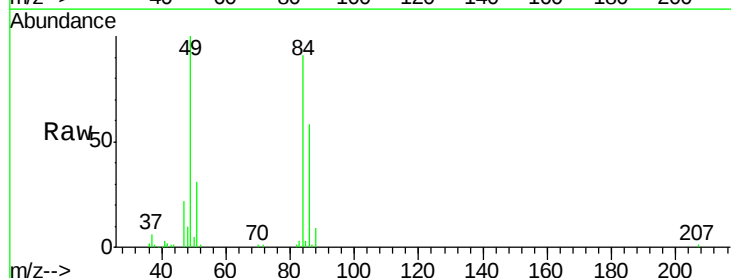
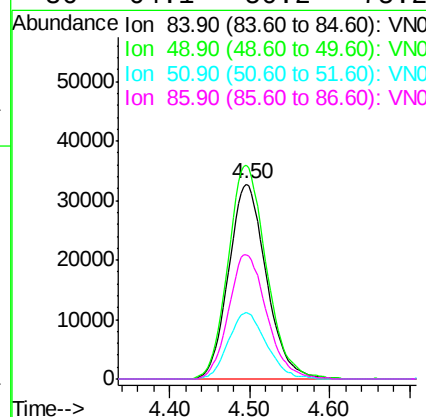
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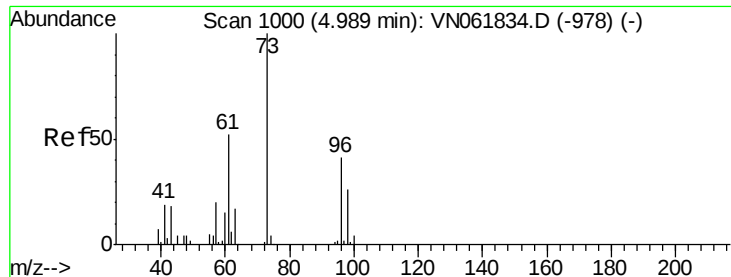
MMDadoda
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#20
Methylene Chloride
Concen: 47.580 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion: 84 Resp: 105306
Ion Ratio Lower Upper
84 100
49 109.7 87.0 130.4
51 34.1 27.8 41.6
86 64.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.624 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

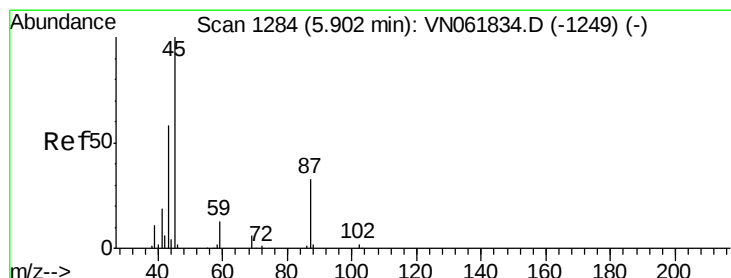
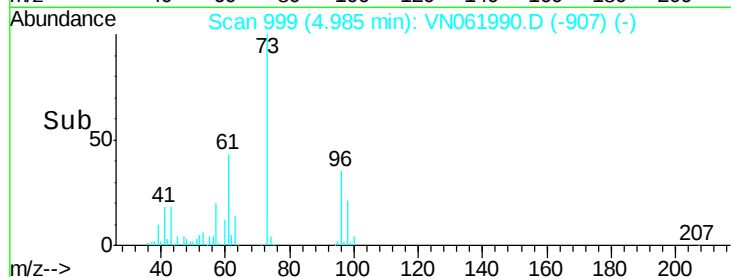
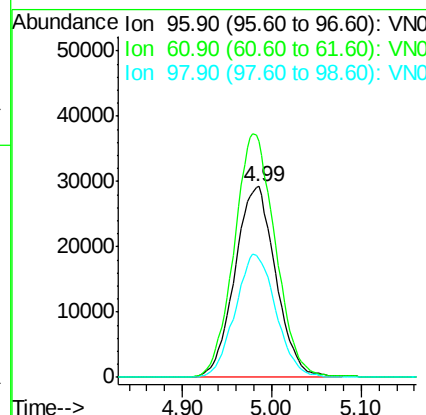
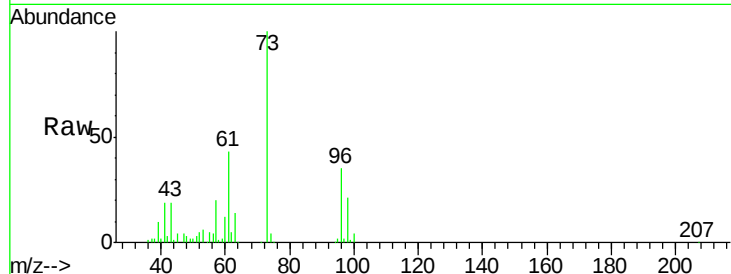
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	93309
Ion	Ratio	Lower	Upper
96	100		
61	123.3	102.2	153.4
98	62.1	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.686 ug/l

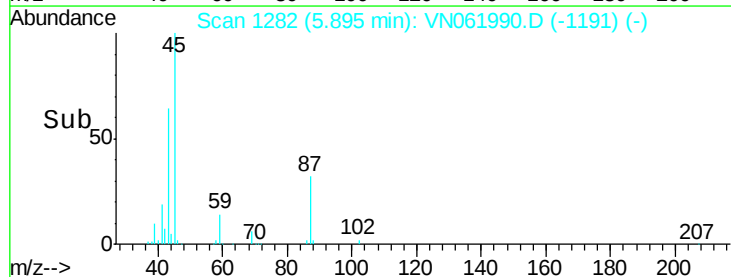
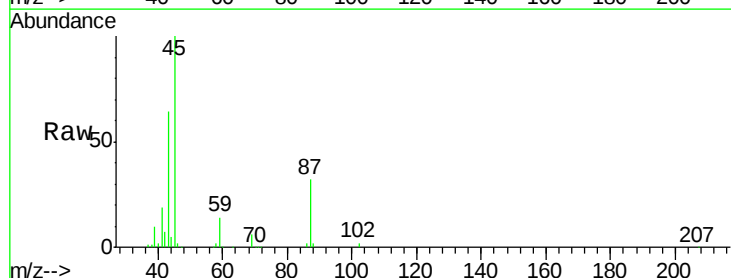
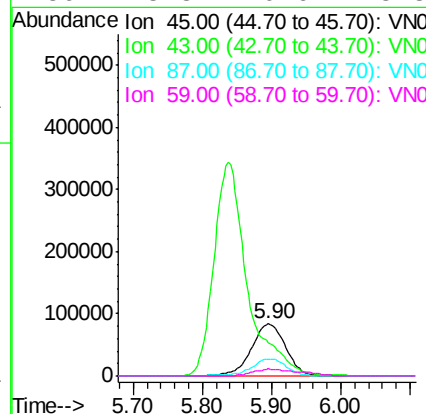
RT: 5.90 min Scan# 1282

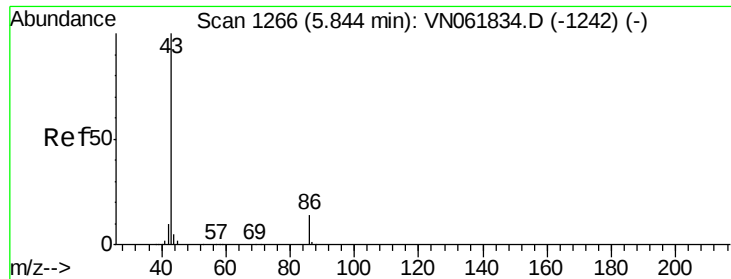
Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Tgt Ion:	45	Resp:	289221
Ion	Ratio	Lower	Upper
45	100		
43	63.0	49.4	74.2
87	32.4	27.4	41.0
59	13.3	10.6	15.8





#23

Vinyl Acetate

Concen: 276.972 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1152101

Ion Ratio Lower Upper

43 100

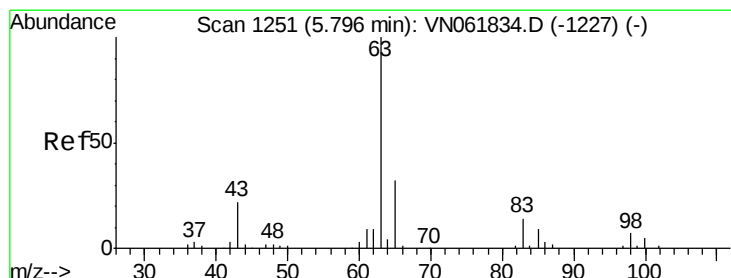
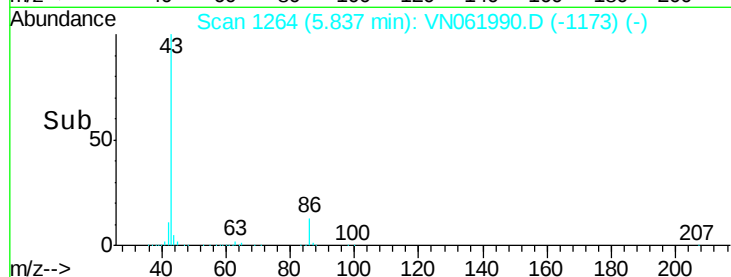
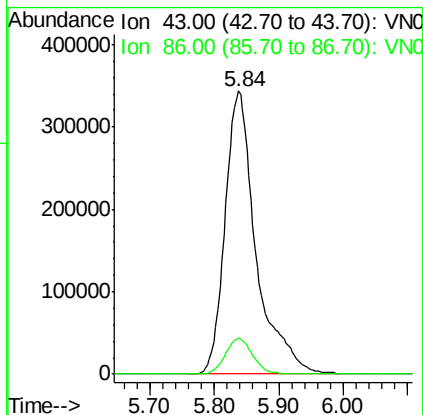
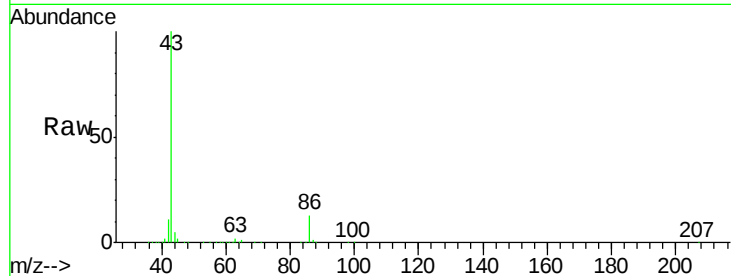
86 12.7 10.9 16.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.792 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

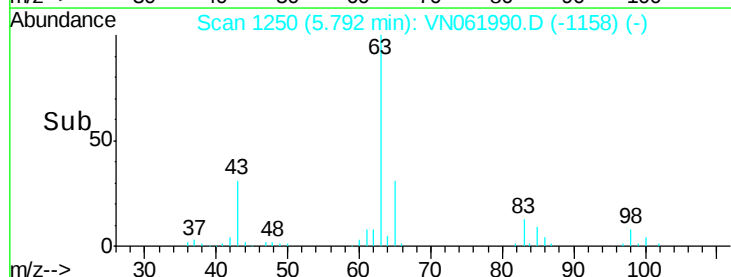
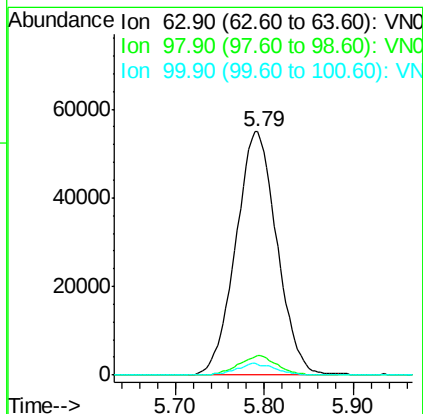
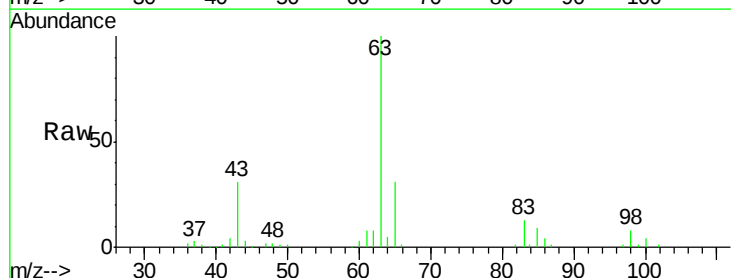
Tgt Ion: 63 Resp: 175848

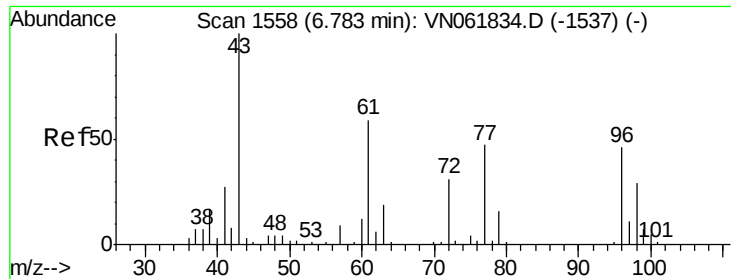
Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.4

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 284.619 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 282099

Ion Ratio Lower Upper

43 100

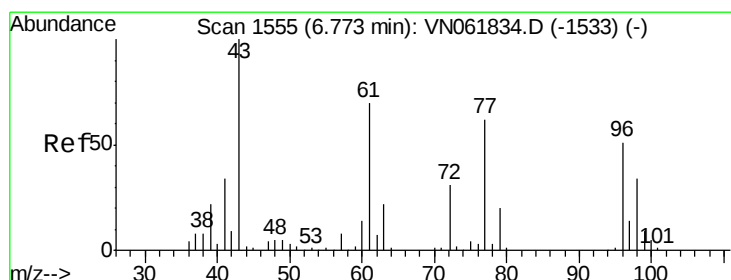
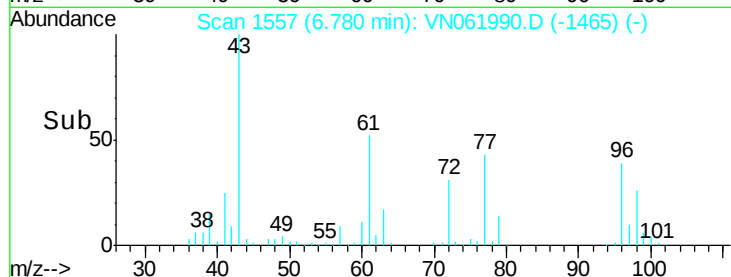
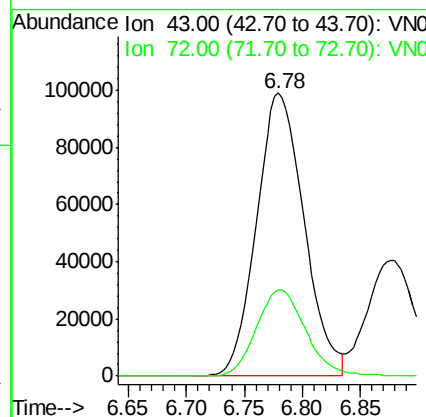
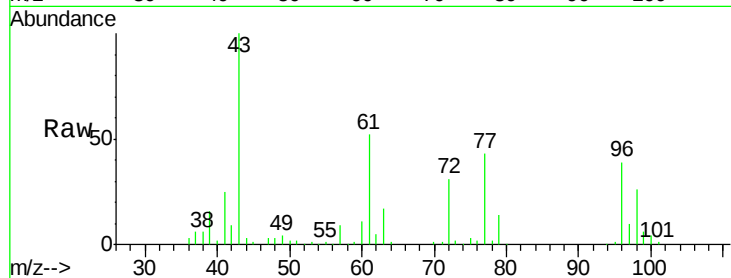
72 30.6 24.6 37.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 52.116 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061990.D

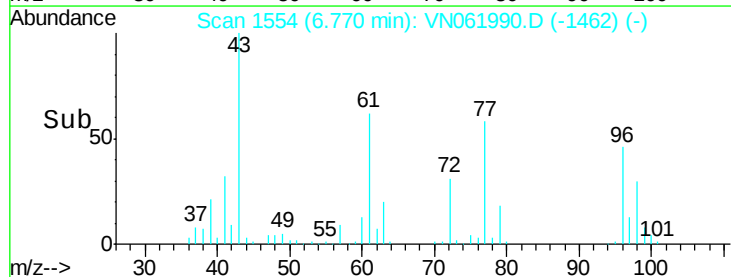
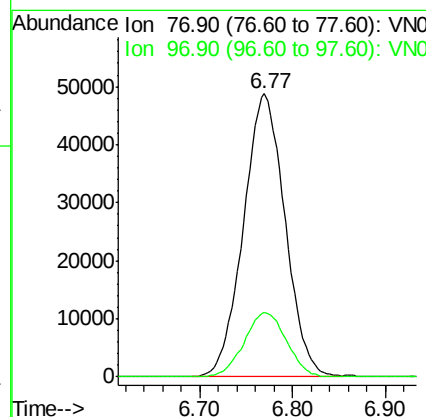
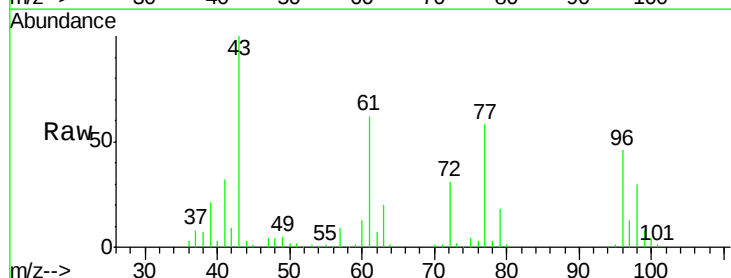
Acq: 22 Jun 2020 11:02

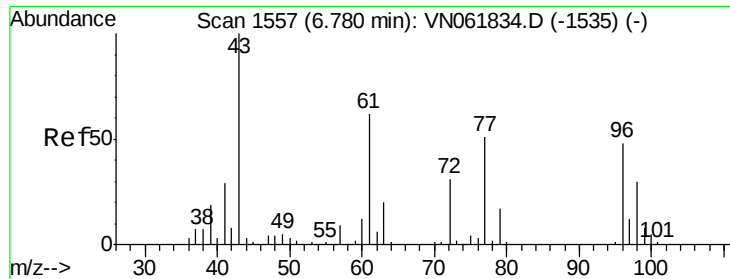
Tgt Ion: 77 Resp: 151802

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 50.118 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

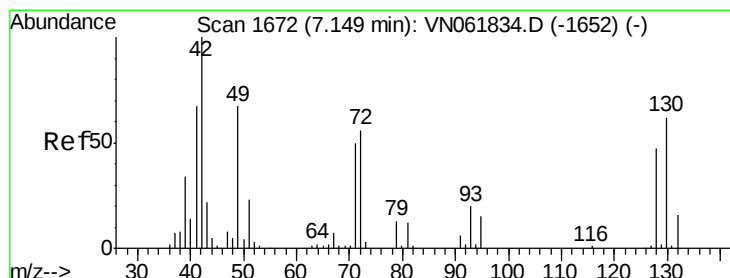
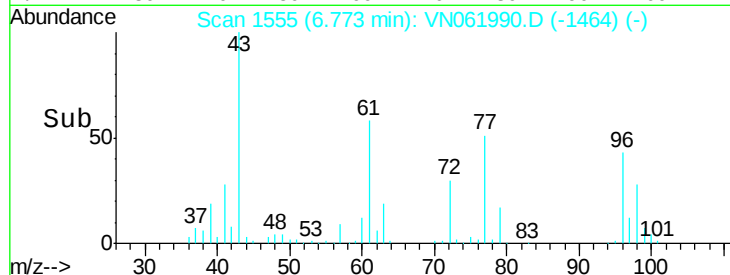
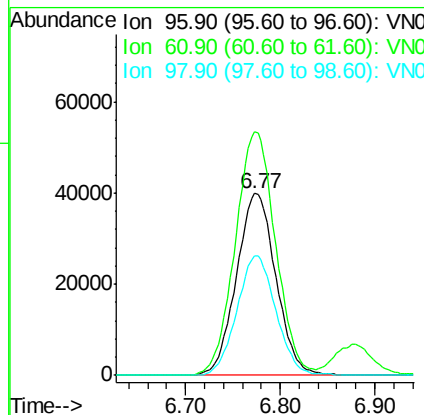
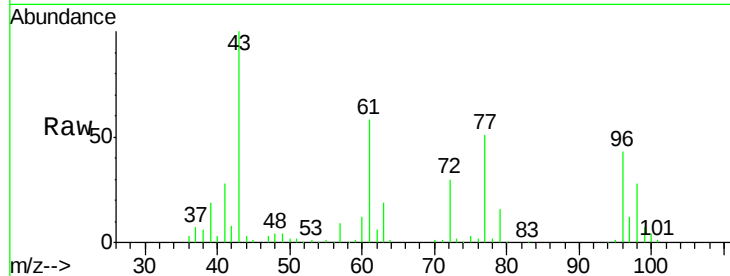
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	115731
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	265.6
98	64.9	0.0	128.2

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#28

Bromochloromethane

Concen: 56.496 ug/l

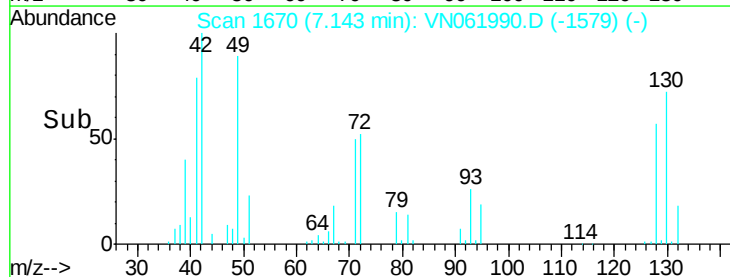
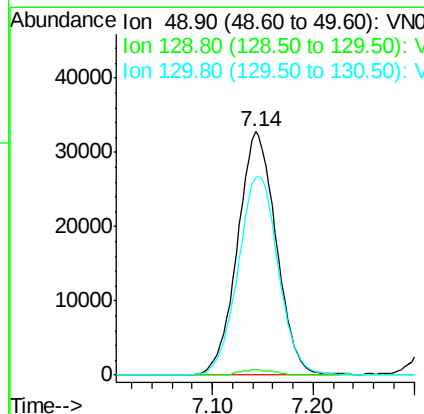
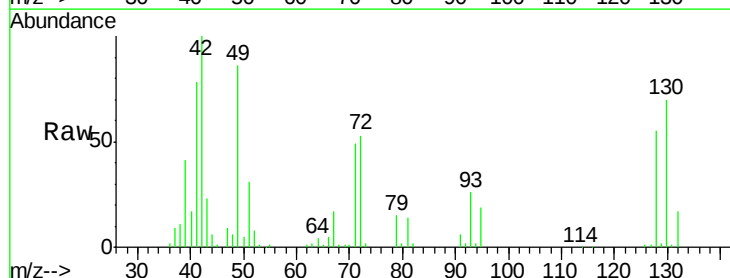
RT: 7.14 min Scan# 1670

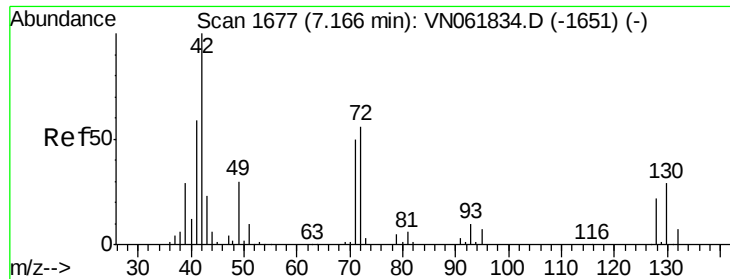
Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Tgt Ion:	49	Resp:	87088
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	84.8	72.2	108.2





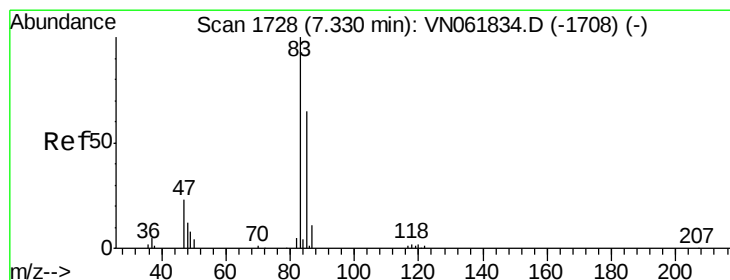
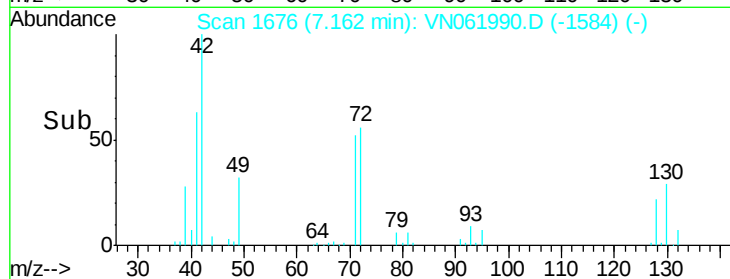
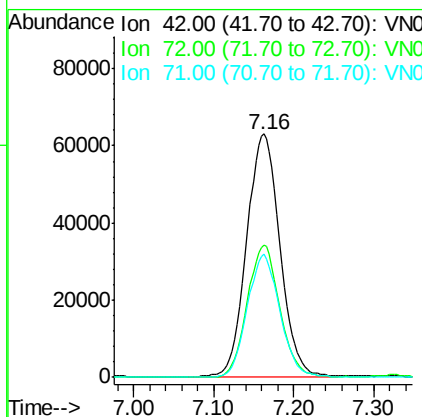
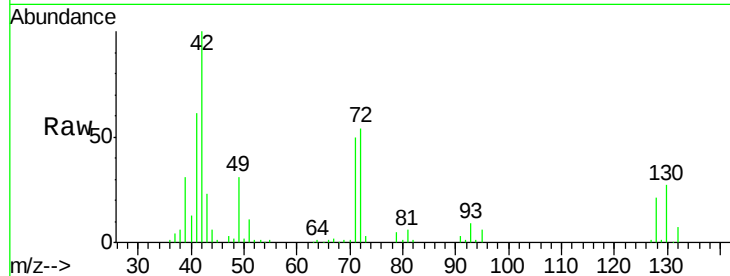
#29
Tetrahydrofuran
Concen: 275.903 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.7	44.0	66.0
71	49.2	40.0	60.0

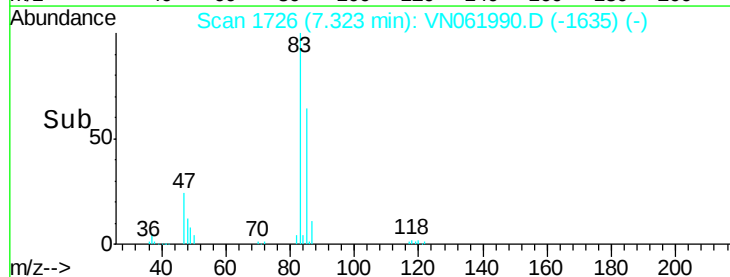
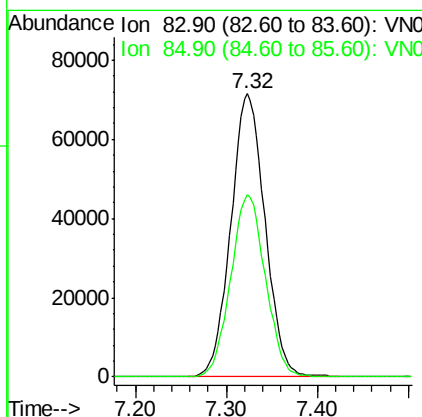
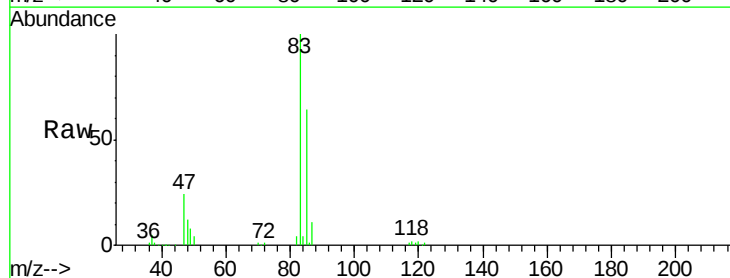
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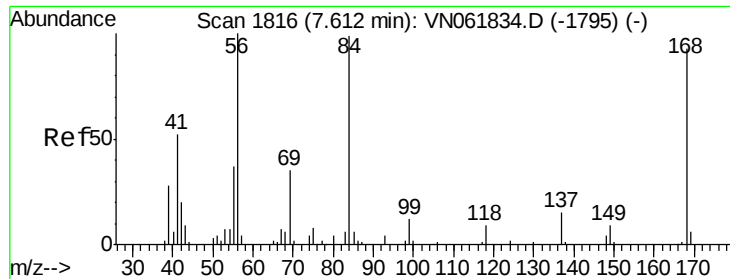
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#30
Chloroform
Concen: 50.425 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





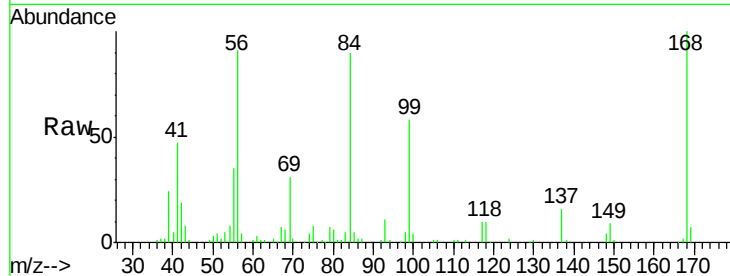
#31
Cyclohexane
Concen: 44.269 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.7	41.5
84	96.9	79.1	118.7

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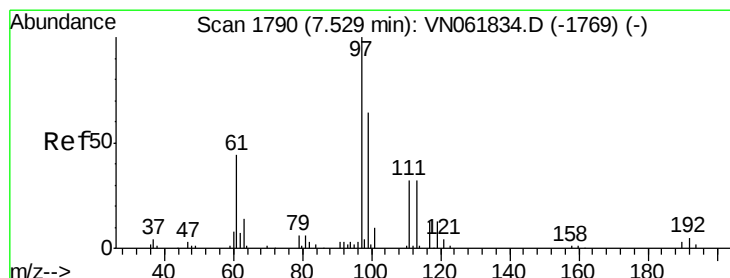
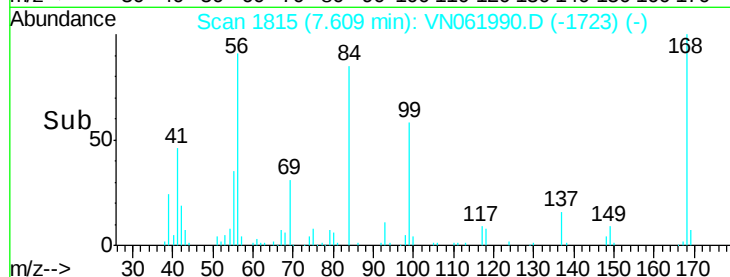
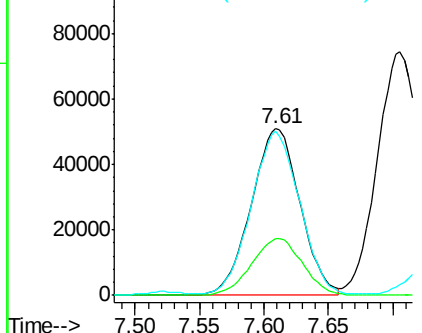


Abundance

Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

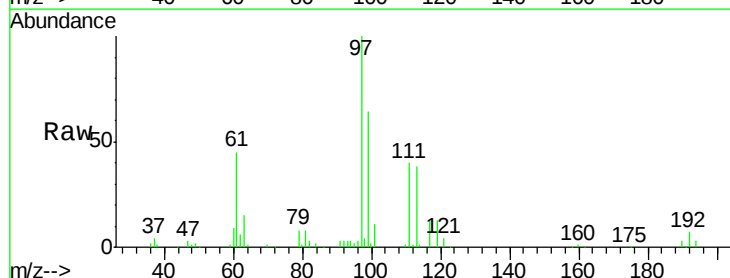
Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)



#32
1,1,1-Trichloroethane
Concen: 49.102 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	45.3	35.1	52.7

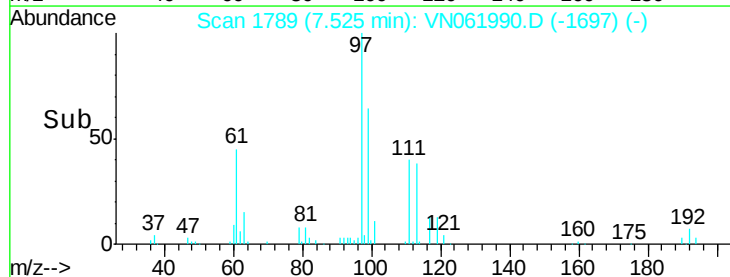
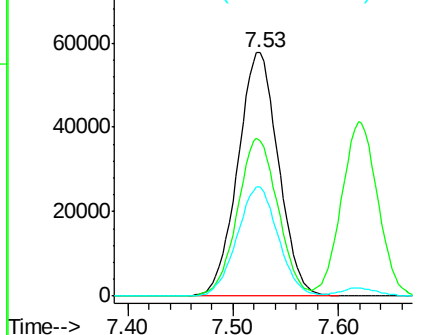


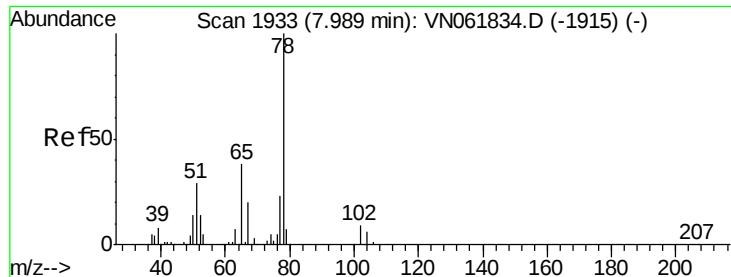
Abundance

Ion 96.90 (96.60 to 97.60): VN061834.D (-1769) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1769) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1769) (-)





#33

1,2-Dichloroethane-d4

Concen: 55.664 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 128019

Ion Ratio Lower Upper

65 100

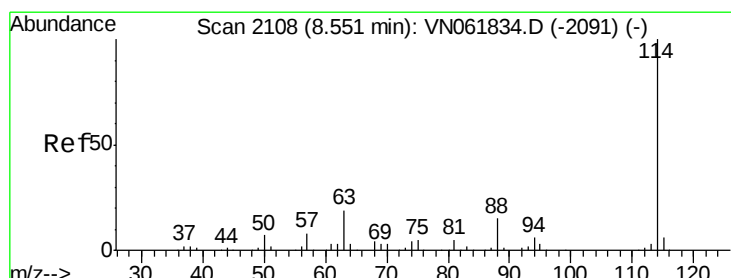
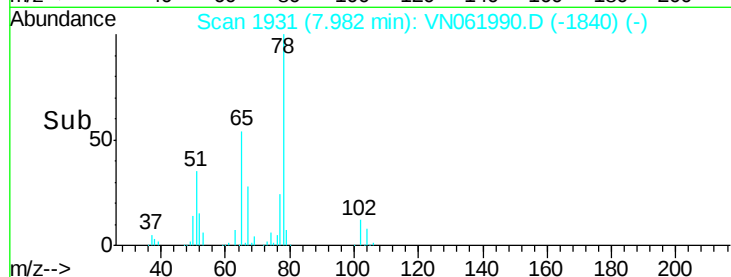
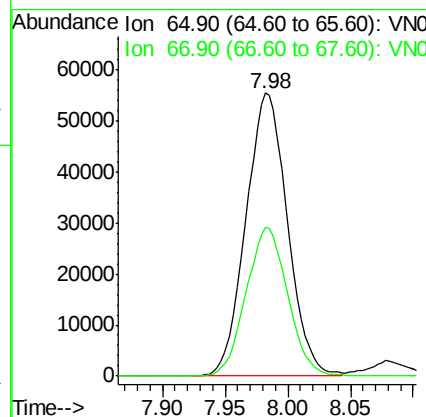
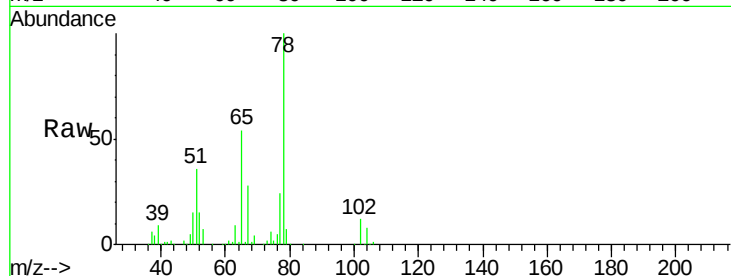
67 52.7 0.0 106.2

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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: VN061990.D

Acq: 22 Jun 2020 11:02

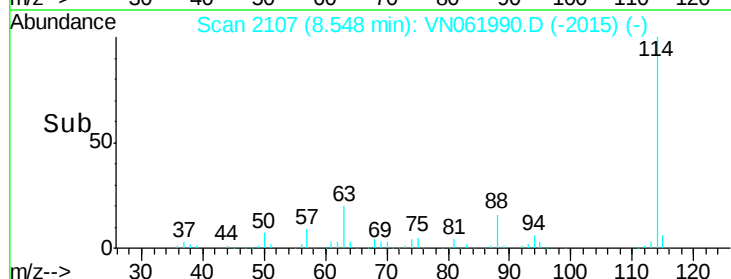
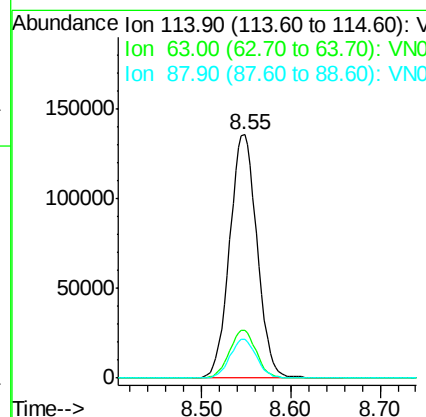
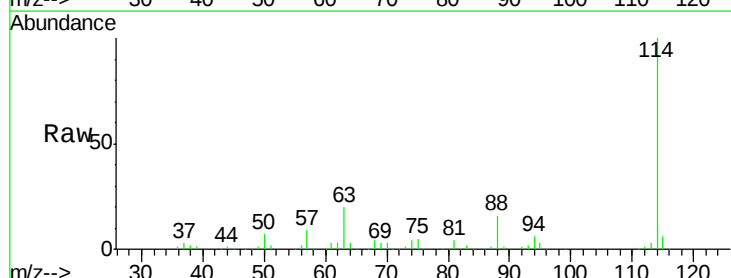
Tgt Ion: 114 Resp: 288276

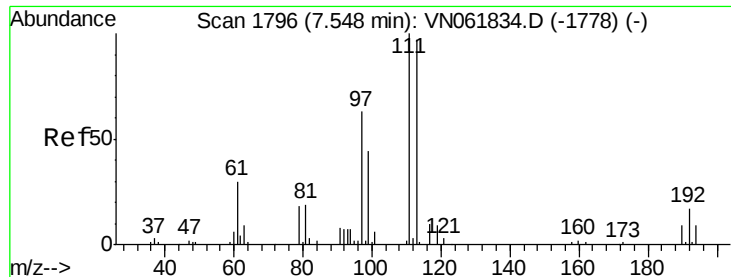
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.6

88 15.8 0.0 31.0





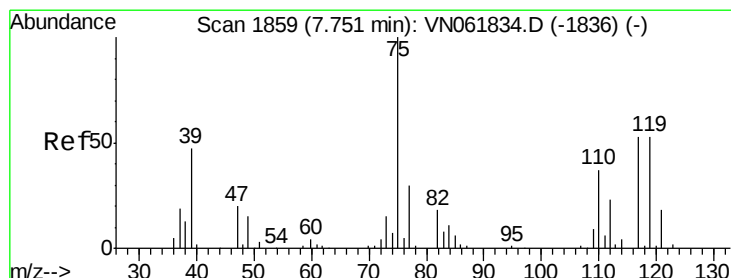
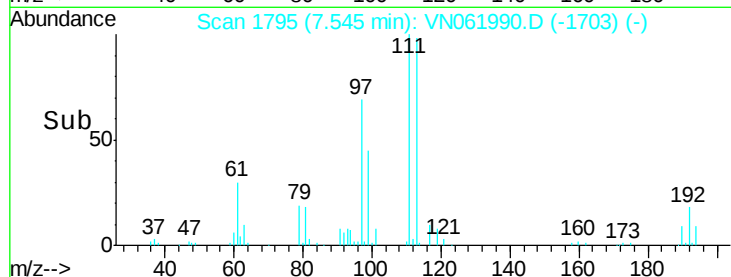
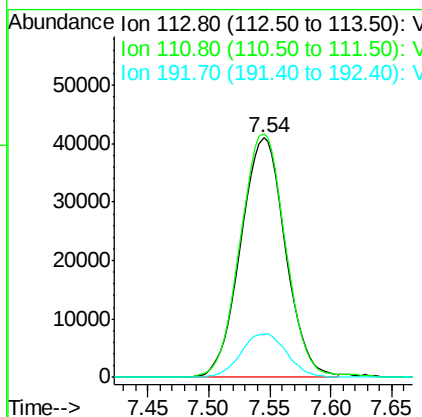
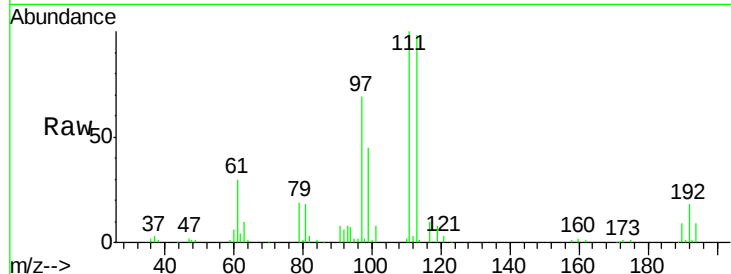
#35
 Dibromofluoromethane
 Concen: 56.300 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	83.7	125.5	
192	18.6	13.9	20.9	

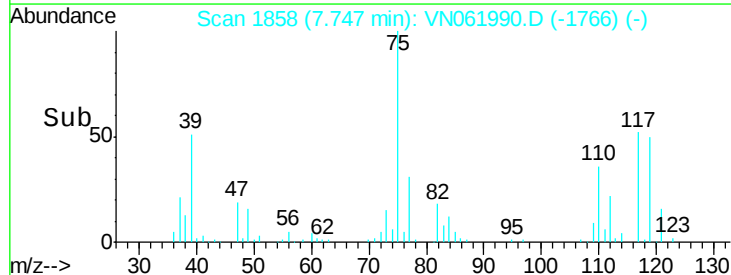
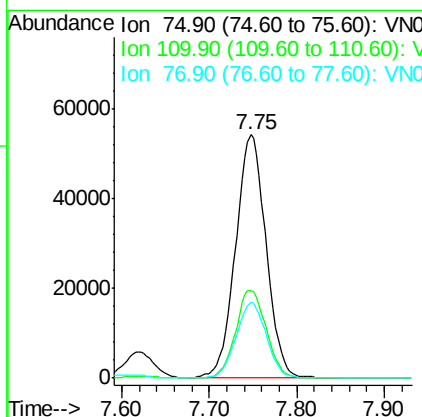
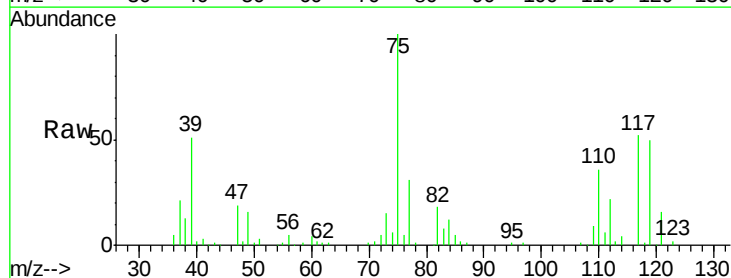
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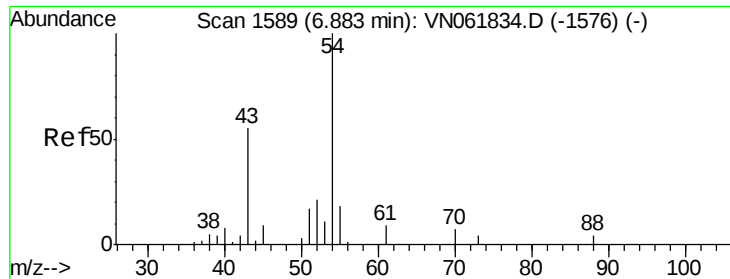
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#36
 1,1-Dichloropropene
 Concen: 49.898 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.2	54.6	
77	30.9	24.2	36.4	





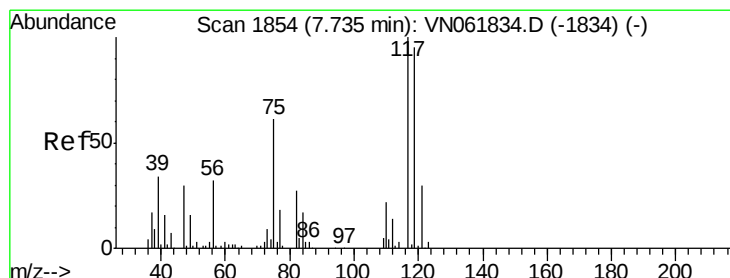
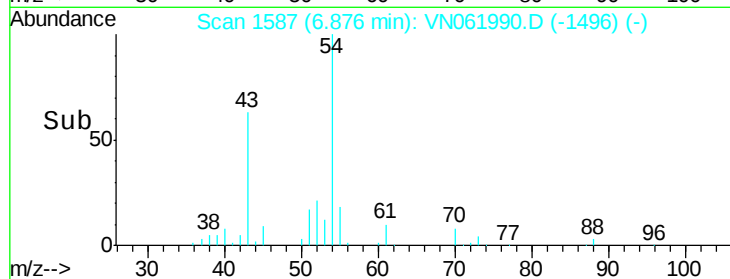
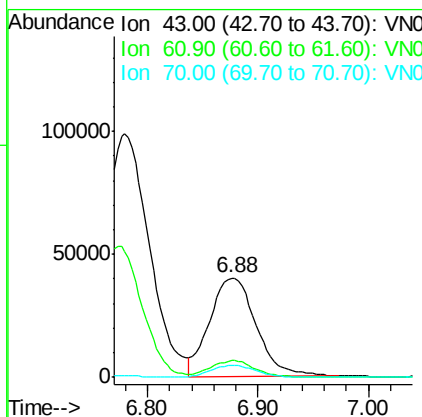
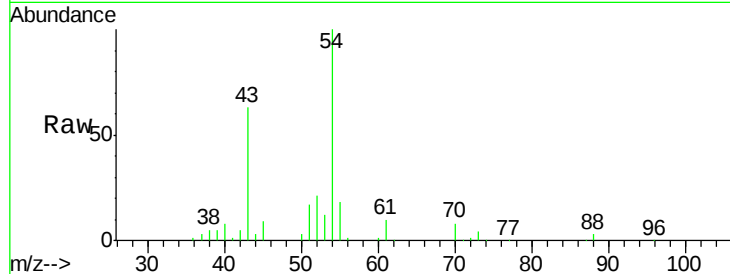
#37
Ethyl Acetate
Concen: 56.927 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.0	19.4
70	11.9	9.4	14.2

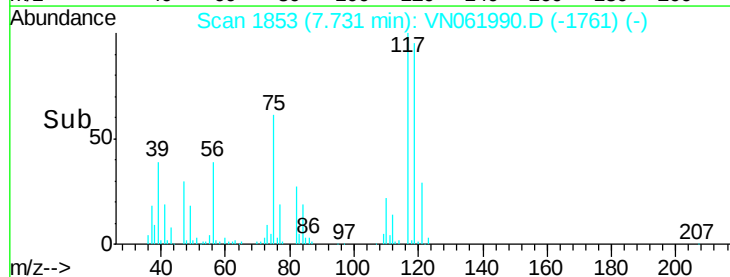
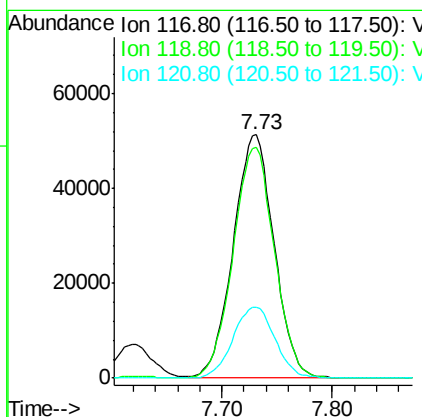
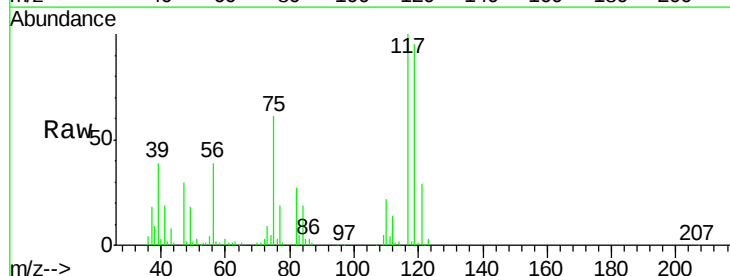
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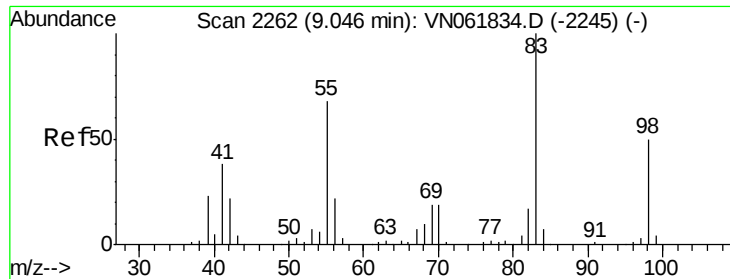
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#38
Carbon Tetrachloride
Concen: 50.497 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.8	113.6
121	29.3	23.8	35.6





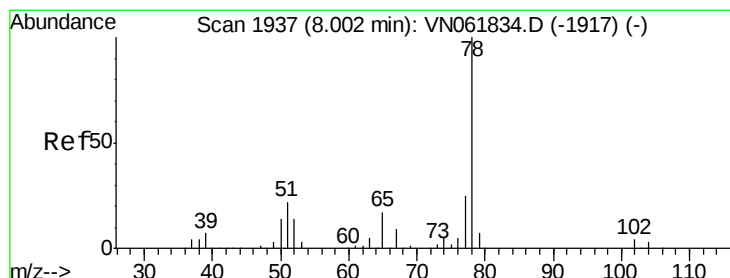
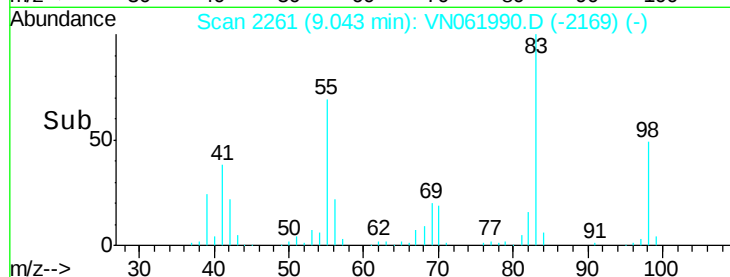
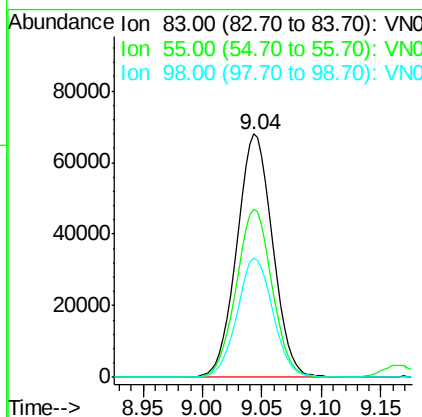
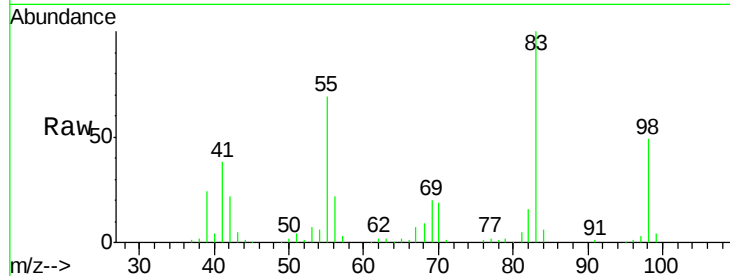
#39
Methvlcvclohexane
Concen: 50.129 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.0	54.2	81.4
98	49.0	39.8	59.6

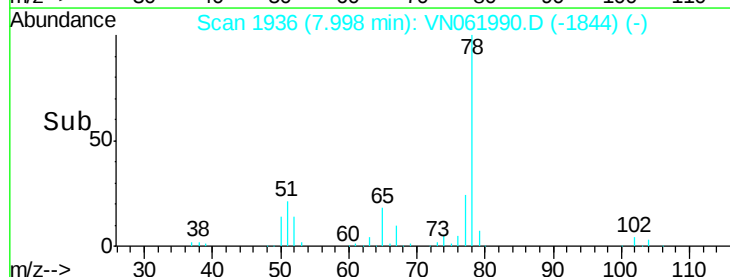
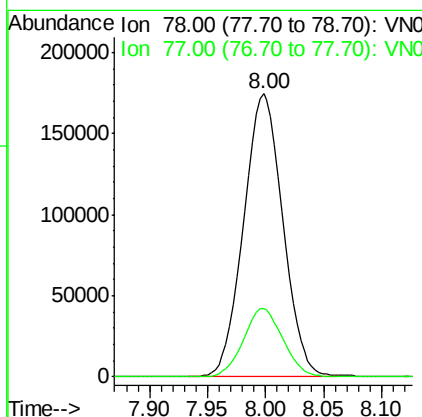
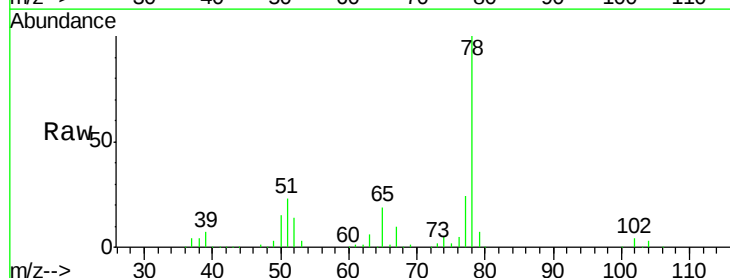
Manual Integrations
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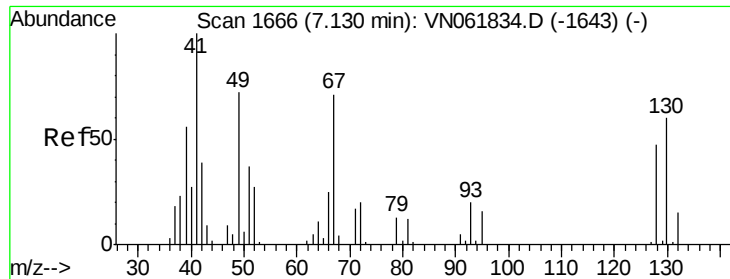
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#40
Benzene
Concen: 51.772 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5





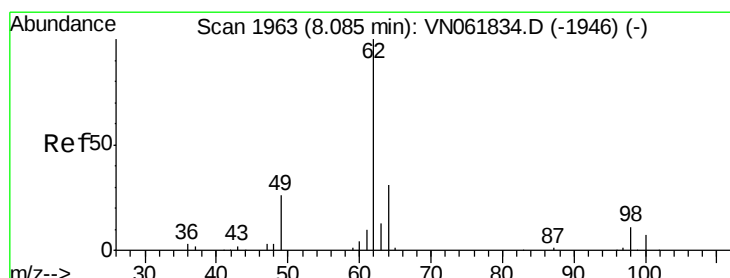
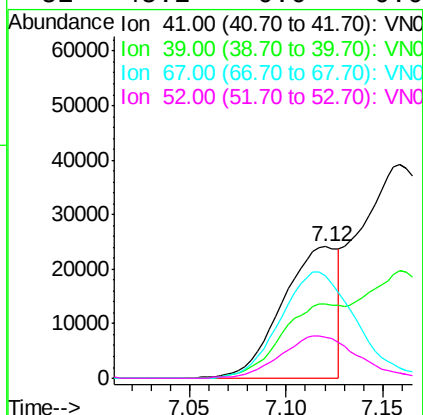
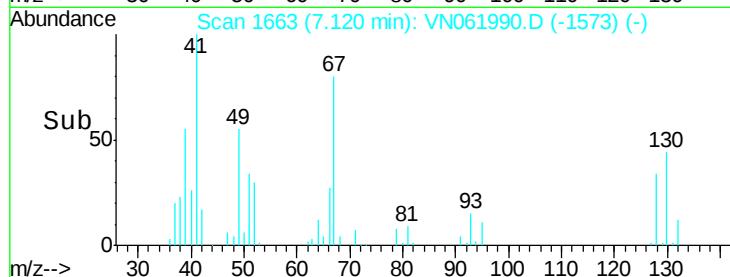
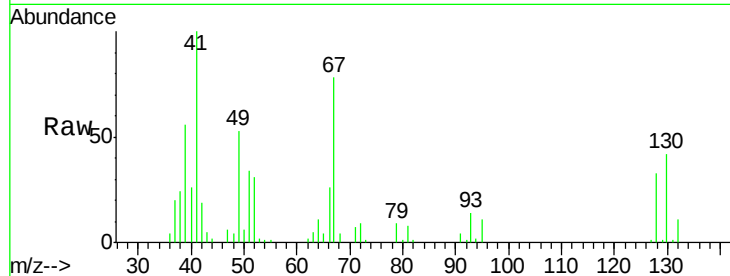
#41
Methacrylonitrile
Concen: 55.178 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		48447		
39	62.4	0.0	0.0#		
67	109.9	0.0	0.0#		
52	45.2	0.0	0.0#		

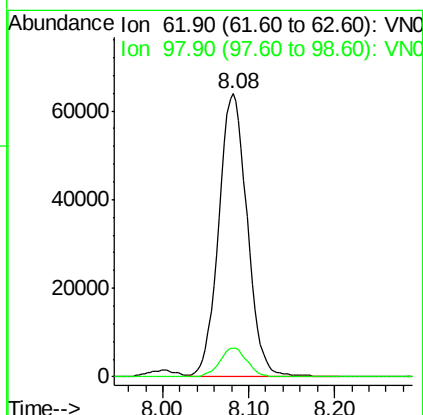
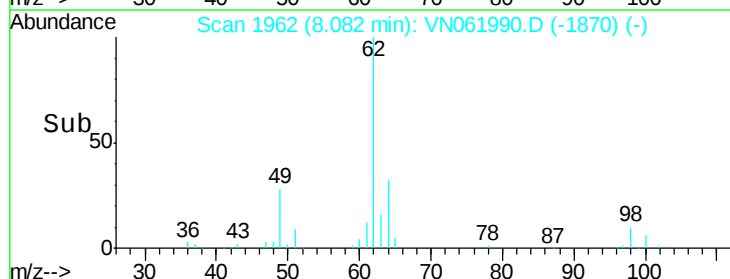
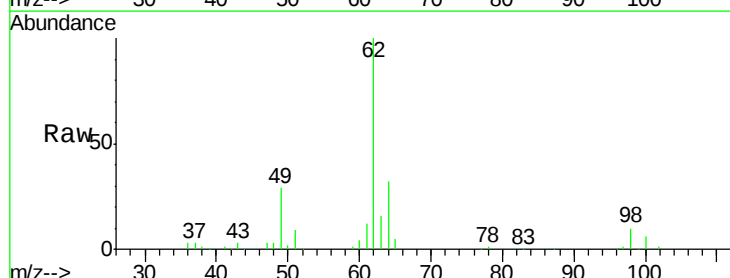
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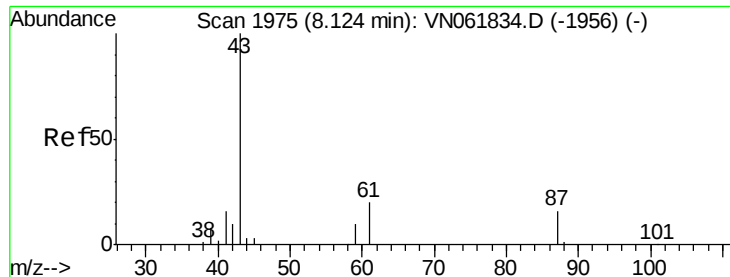
MMDadoda
6/23/2020 12:48:02 PM



#42
1,2-Dichloroethane
Concen: 54.313 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		147506		
98	9.9	0.0	20.4		





#43

Isopropyl Acetate

Concen: 58.153 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

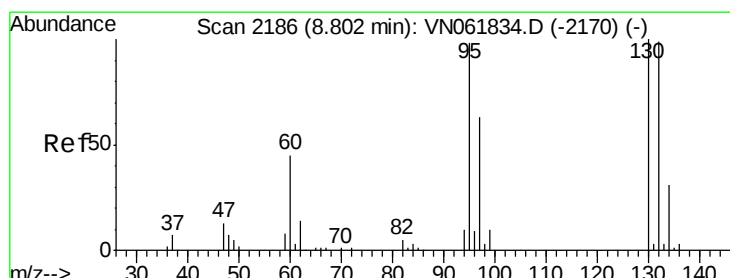
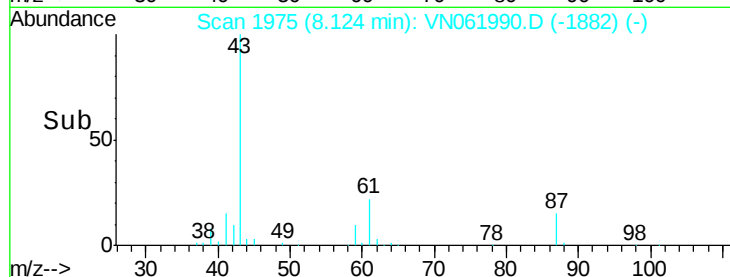
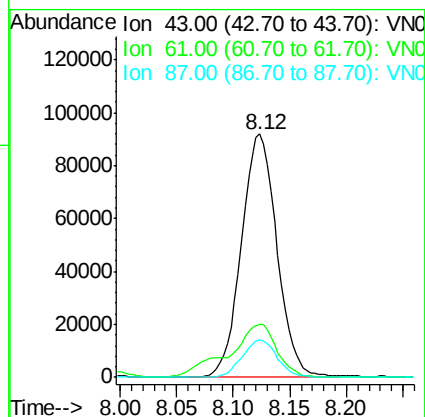
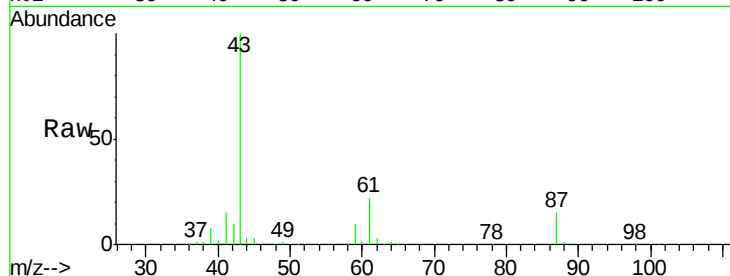
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	201229
Ion	Ratio	Lower	Upper
43	100		
61	22.5	24.0	36.0#
87	15.0	12.5	18.7

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#44

Trichloroethene

Concen: 50.331 ug/l

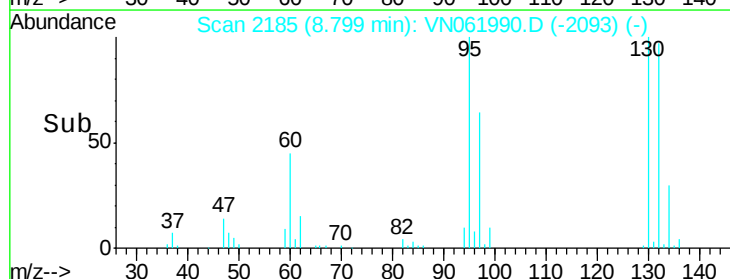
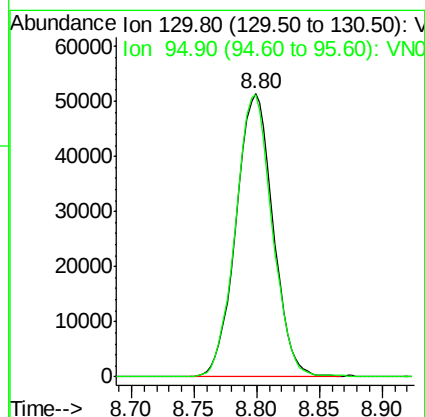
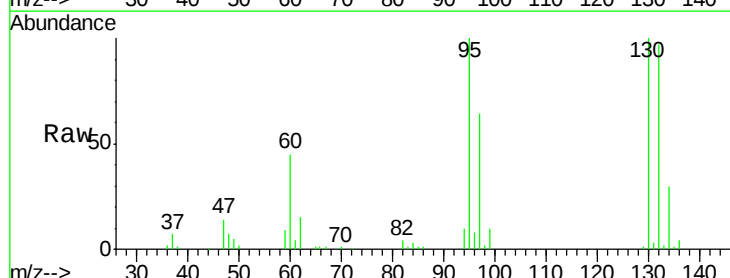
RT: 8.80 min Scan# 2185

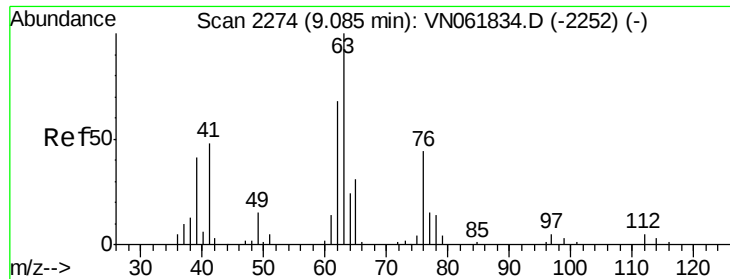
Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Tgt Ion:	130	Resp:	105503
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	195.6





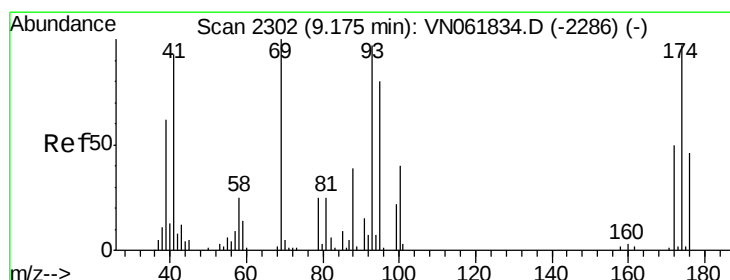
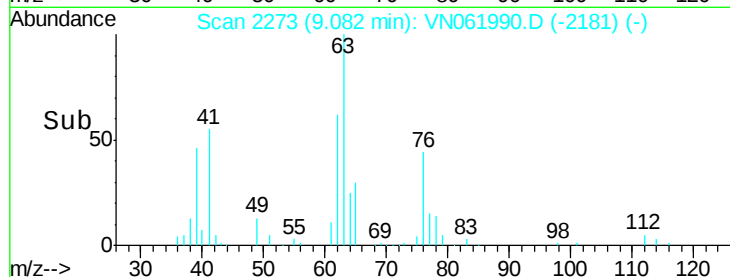
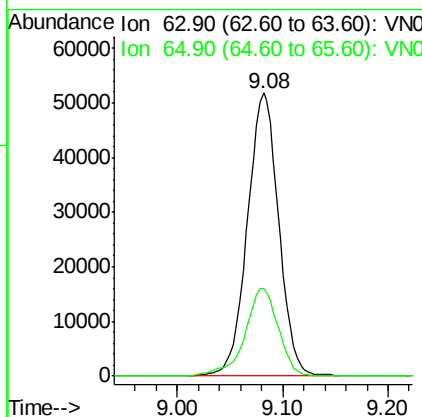
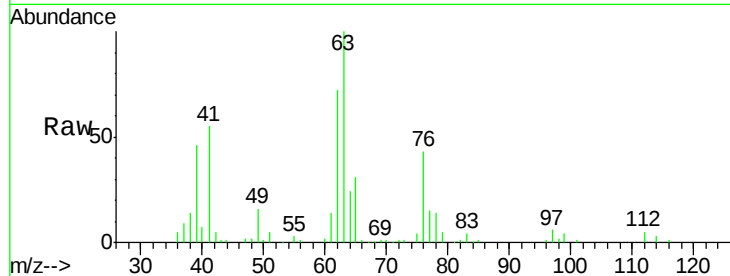
#45
 1,2-Dichloropropane
 Concen: 54.704 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 107079
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.1 37.7

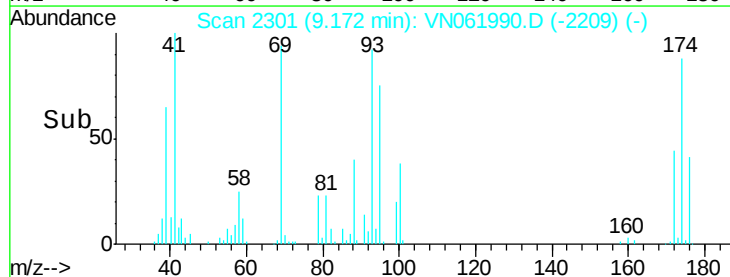
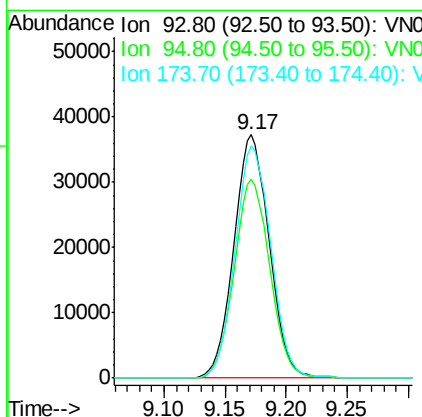
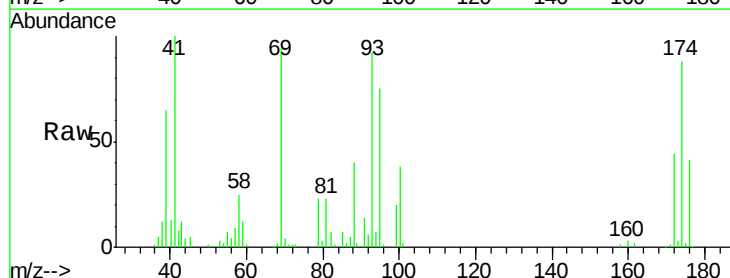
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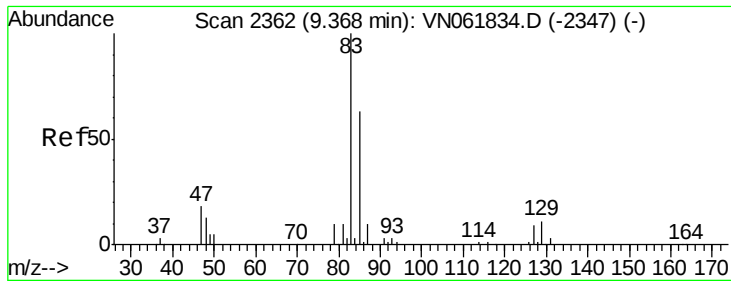
MMDadoda
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#46
 Dibromomethane
 Concen: 54.330 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion: 93 Resp: 74888
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.8 98.6
 174 96.2 78.5 117.7





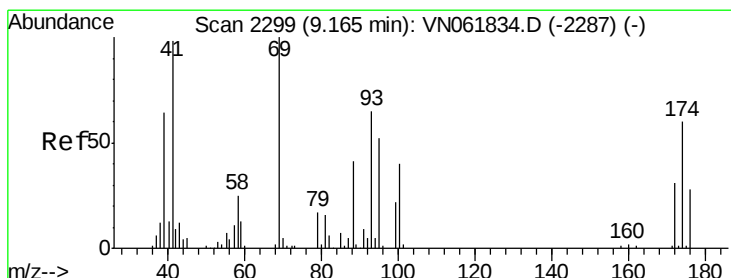
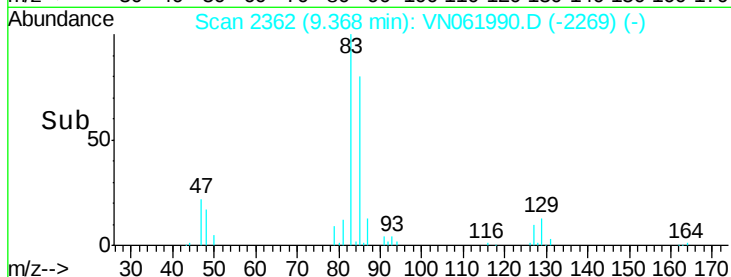
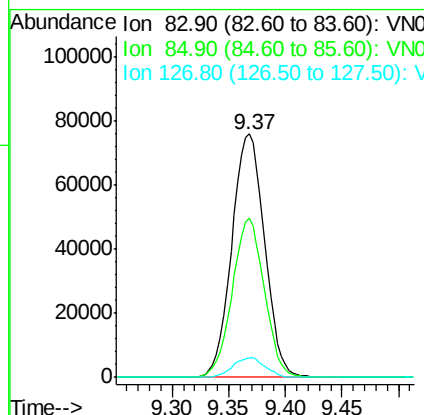
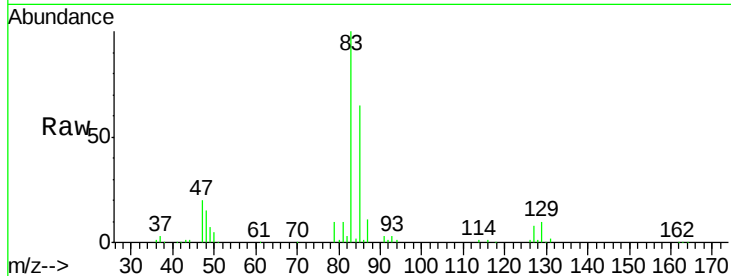
#47
Bromodichloromethane
Concen: 54.332 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	153349
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	50.8	76.2
127	8.1	7.0	10.4

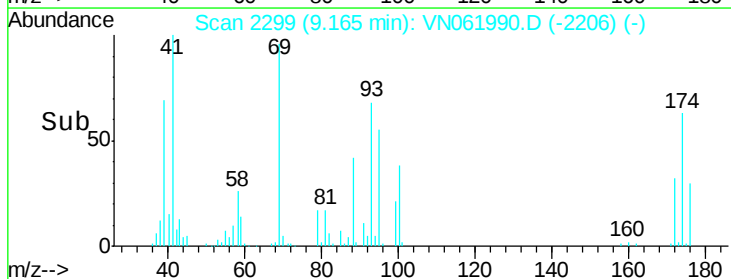
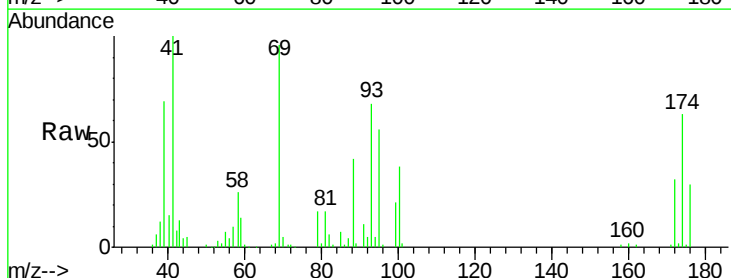
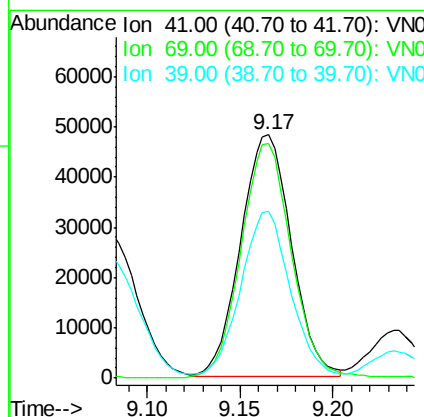
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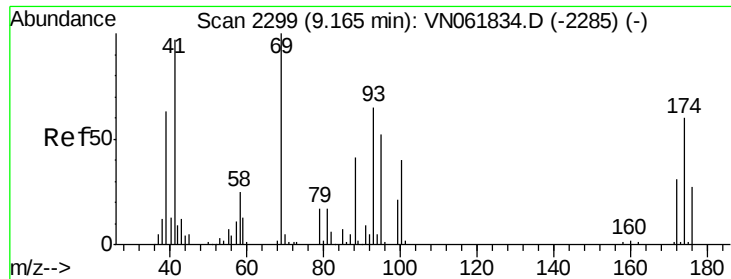
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#48
Methyl methacrylate
Concen: 58.712 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	41	Resp	92390
Ion Ratio	100	Lower	Upper
41	100		
69	96.6	83.0	124.4
39	67.5	55.1	82.7





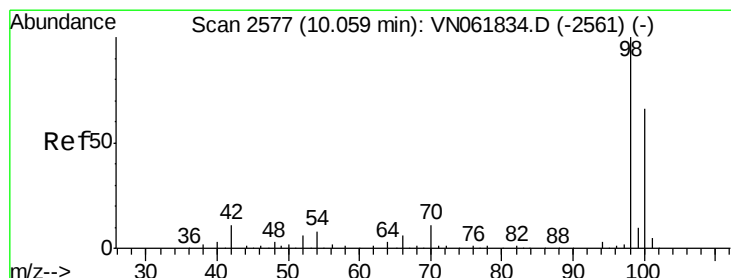
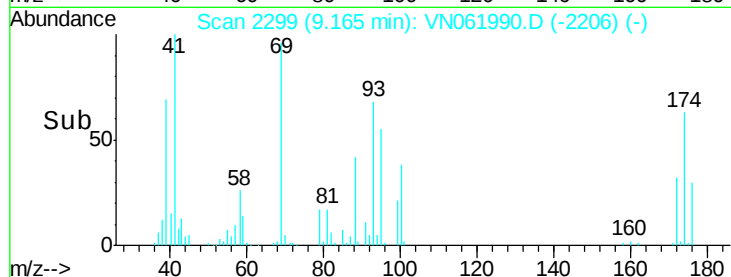
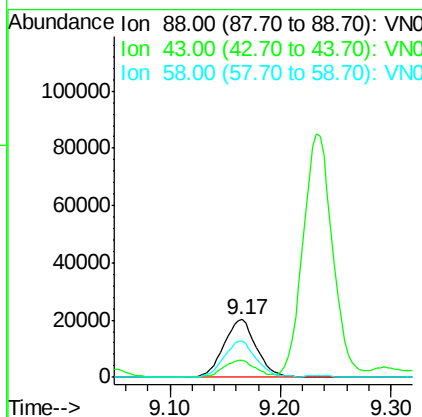
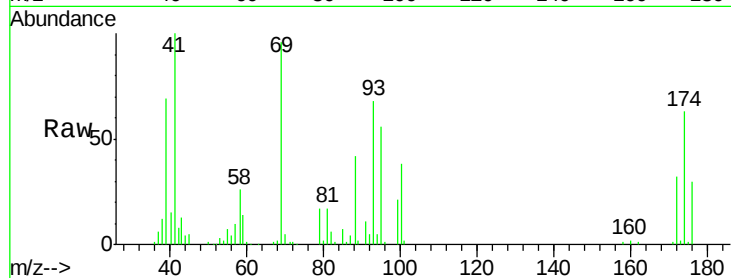
#49
1,4-Dioxane
Concen: 1144.030 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	41332
Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.4	35.2
58	62.0	49.8	74.6

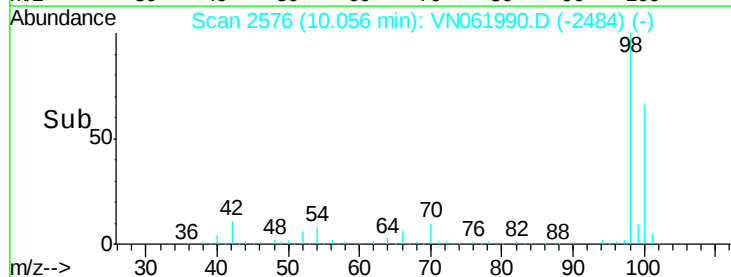
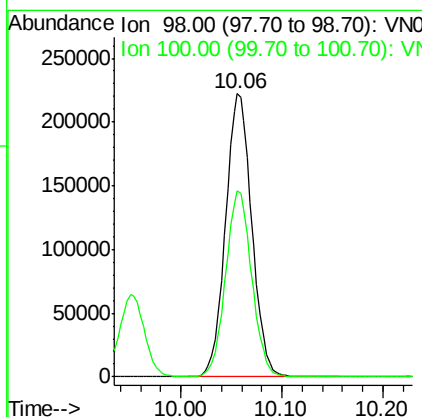
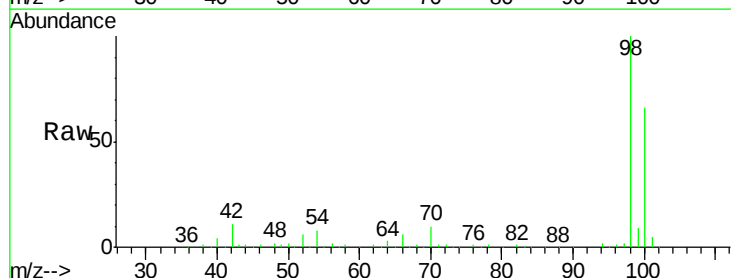
Manual Integrations
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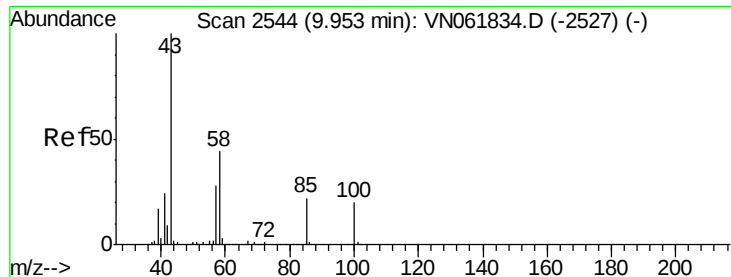
MMDadoda
6/23/2020 12:48:02 PM



#50
Toluene-d8
Concen: 55.631 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	98	Resp	403348
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 295.034 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 603289

Ion Ratio Lower Upper

43 100

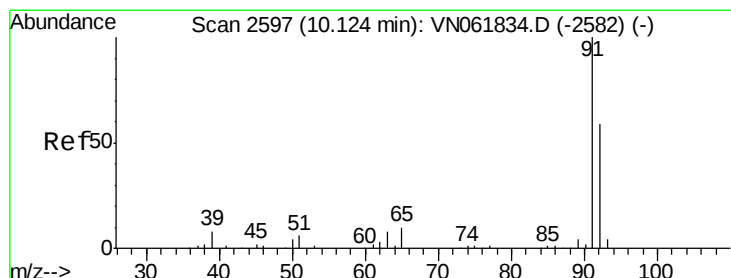
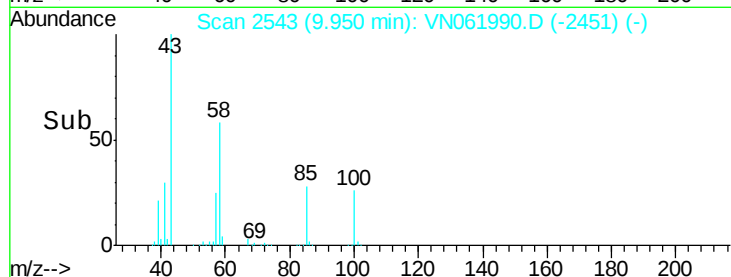
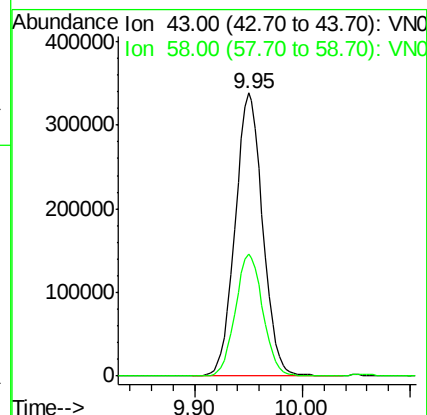
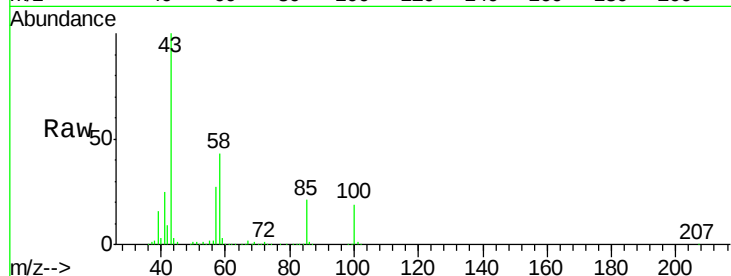
58 42.9 34.6 52.0

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#52

Toluene

Concen: 53.141 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061990.D

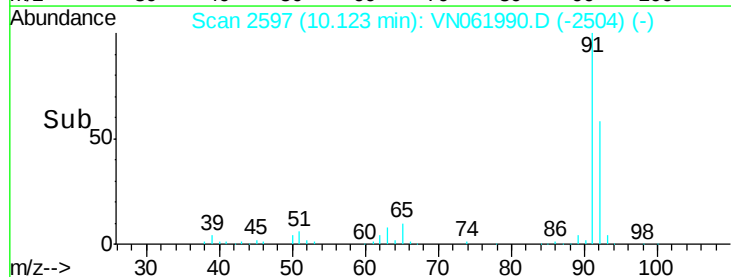
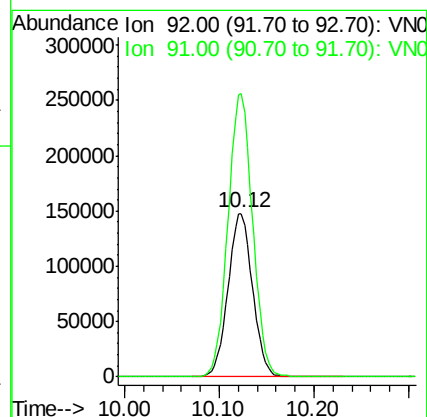
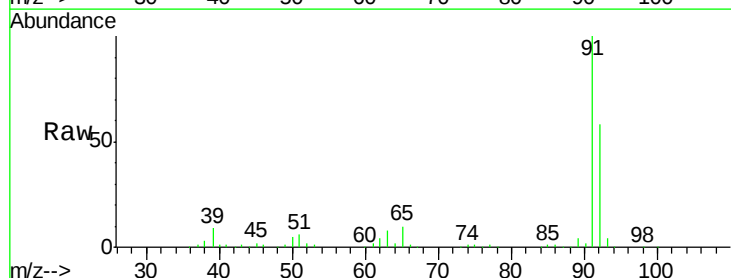
Acq: 22 Jun 2020 11:02

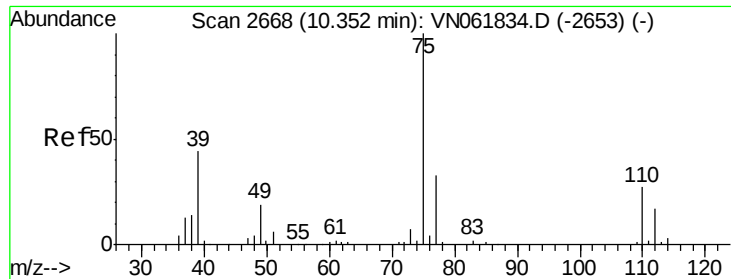
Tgt Ion: 92 Resp: 265826

Ion Ratio Lower Upper

92 100

91 174.2 137.1 205.7





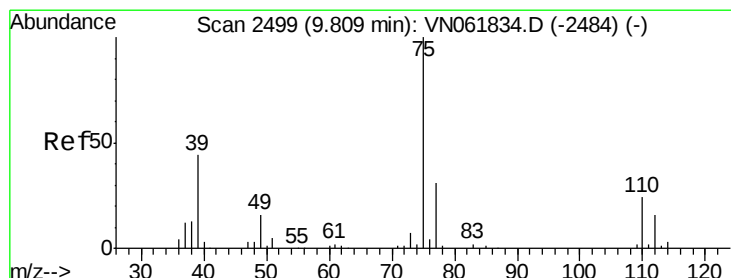
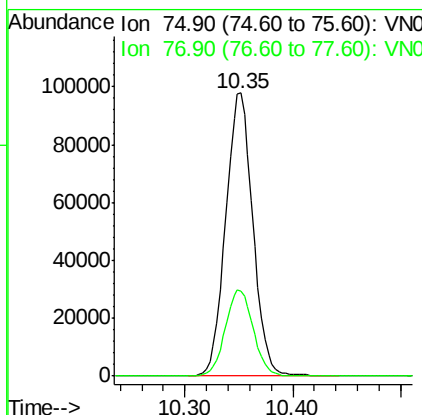
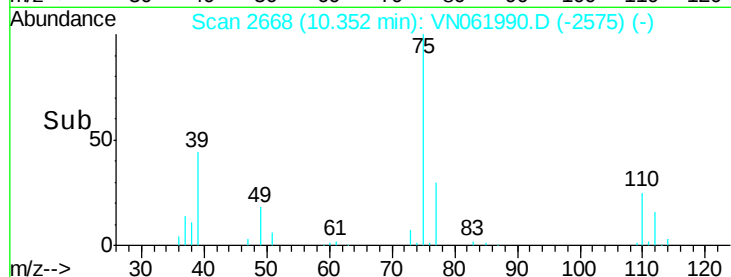
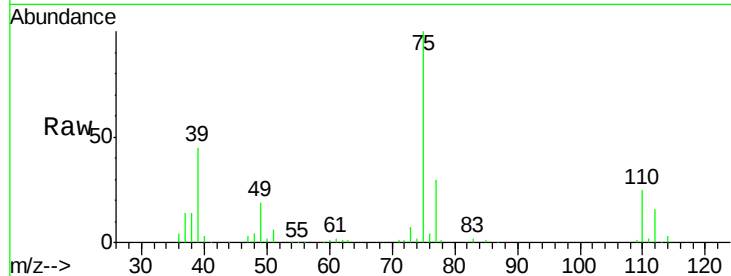
#53
t-1,3-Dichloropropene
Concen: 57.330 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 171778
Ion Ratio Lower Upper
75 100
77 30.2 26.3 39.5

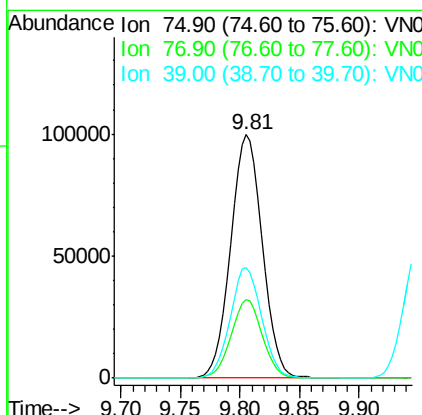
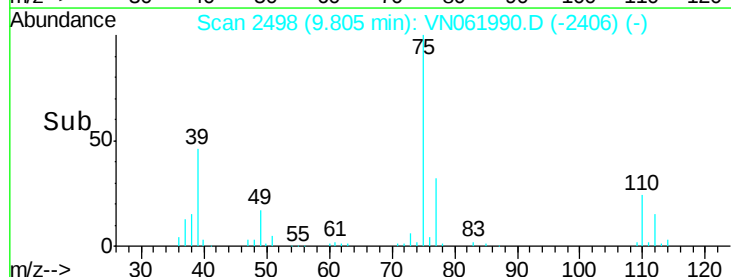
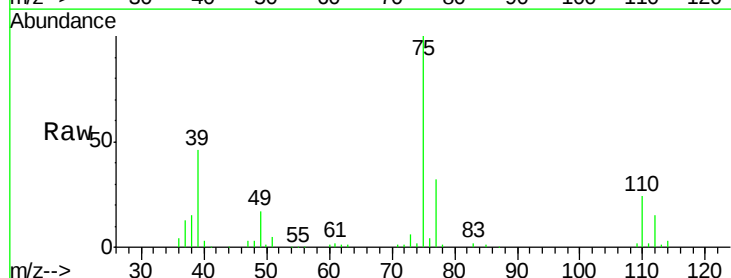
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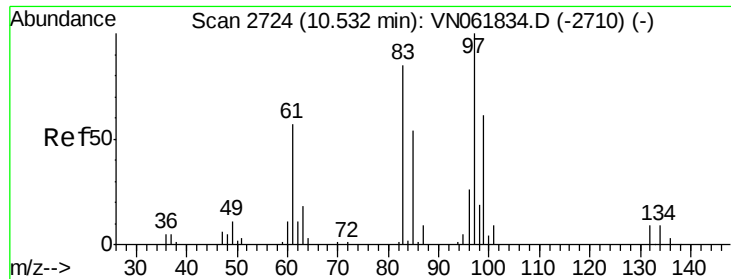
MMDadoda
6/23/2020 12:48:02 PM



#54
cis-1,3-Dichloropropene
Concen: 56.552 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion: 75 Resp: 184044
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2
39 45.6 35.4 53.0





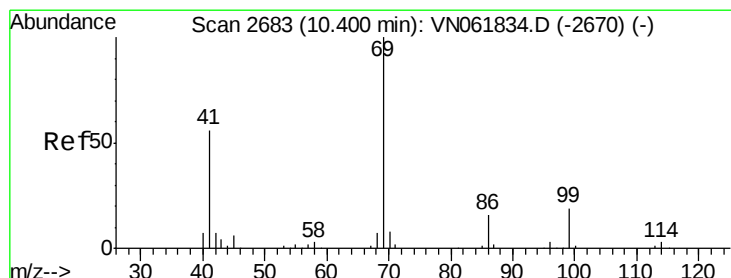
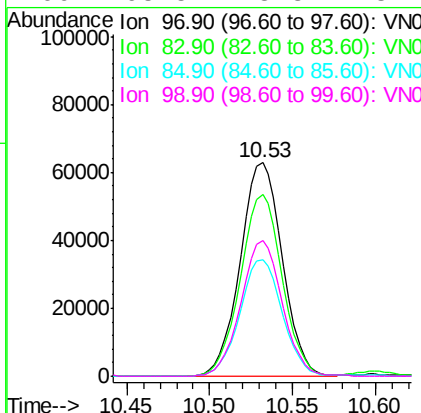
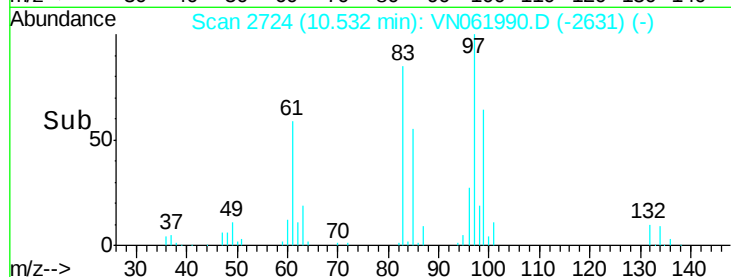
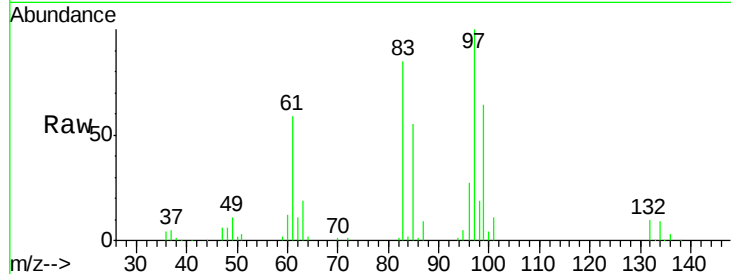
#55
 1,1,2-Trichloroethane
 Concen: 56.609 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	111414
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.7	101.5
85	54.6	43.4	65.0
99	63.5	48.8	73.2

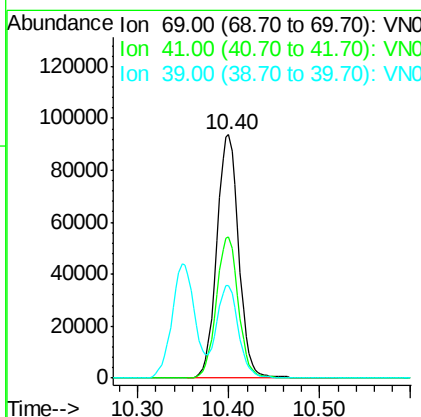
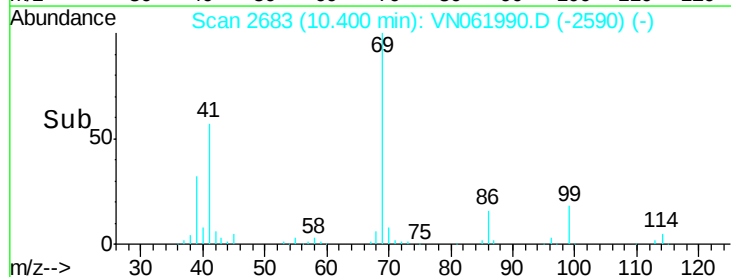
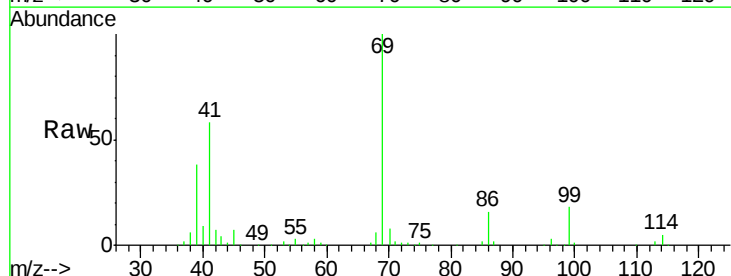
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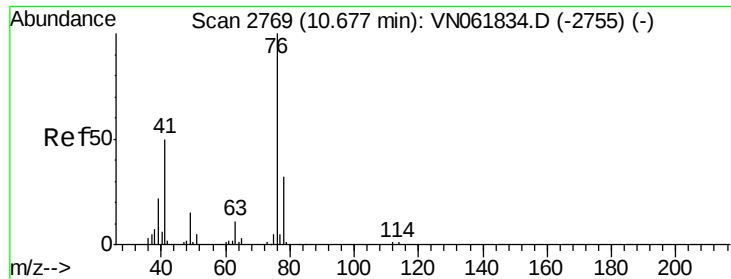
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 6/23/2020 12:48:02 PM



#56
 Ethyl methacrylate
 Concen: 52.052 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion:	69	Resp:	156864
Ion	Ratio	Lower	Upper
69	100		
41	57.7	44.9	67.3
39	38.0	30.0	45.0





#57

1,3-Dichloropropane

Concen: 56.191 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 187360

Ion Ratio Lower Upper

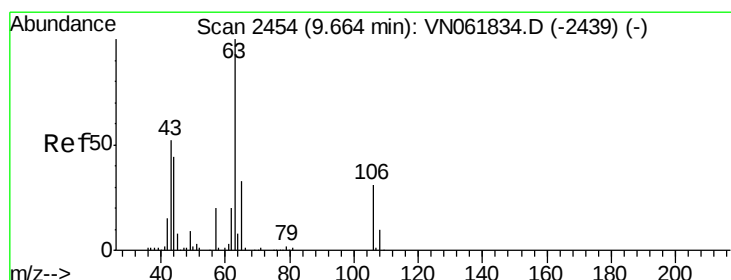
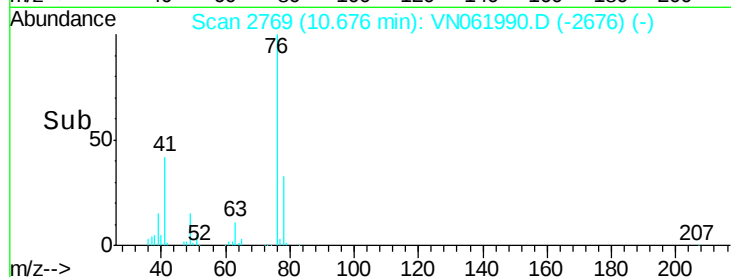
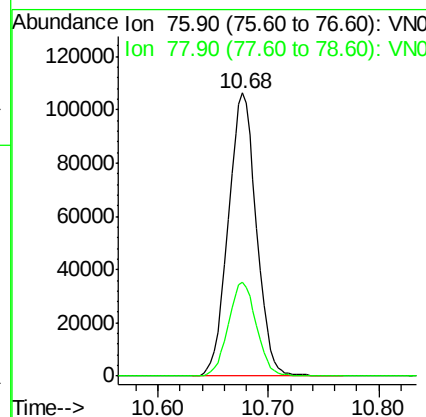
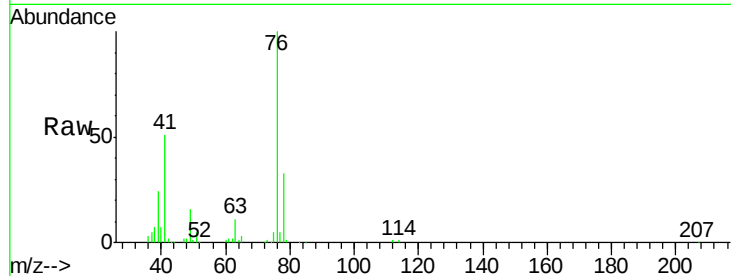
76 100

78 33.3 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 316.434 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061990.D

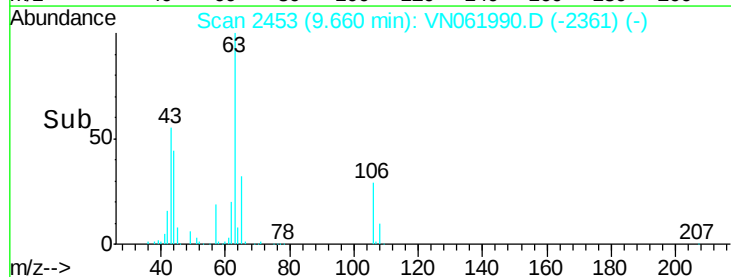
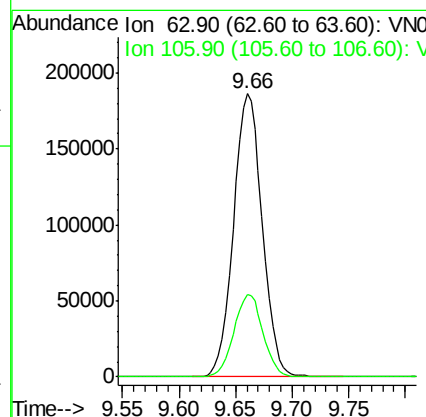
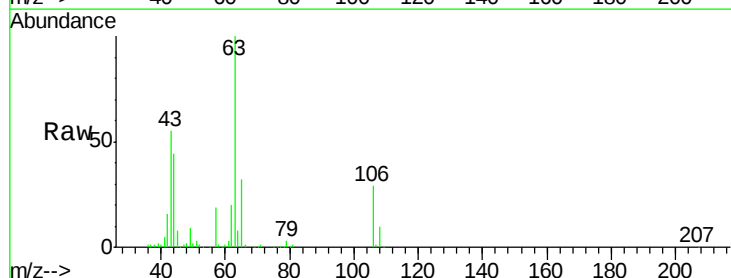
Acq: 22 Jun 2020 11:02

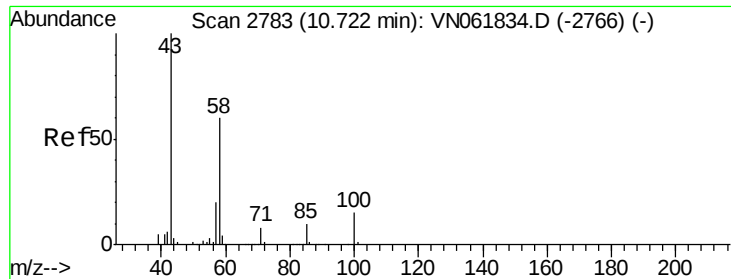
Tgt Ion: 63 Resp: 328686

Ion Ratio Lower Upper

63 100

106 29.4 24.6 36.8





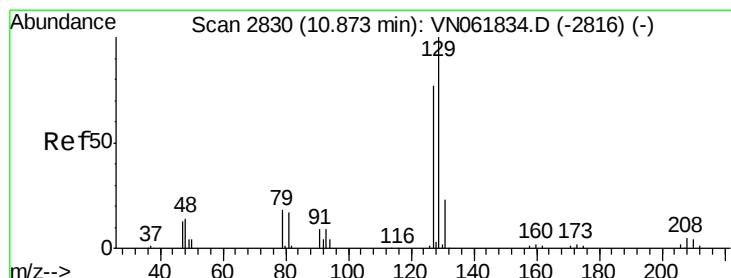
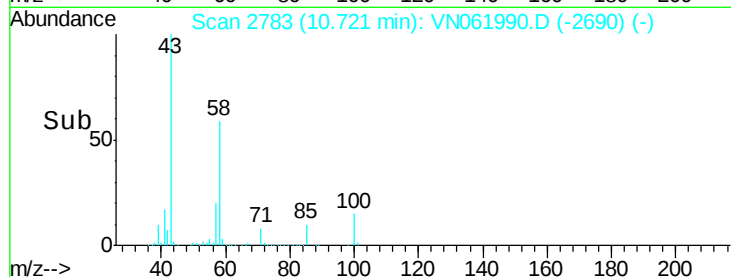
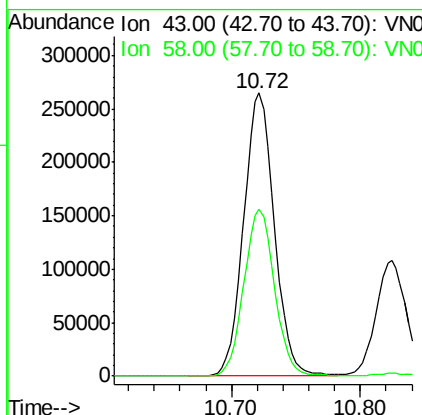
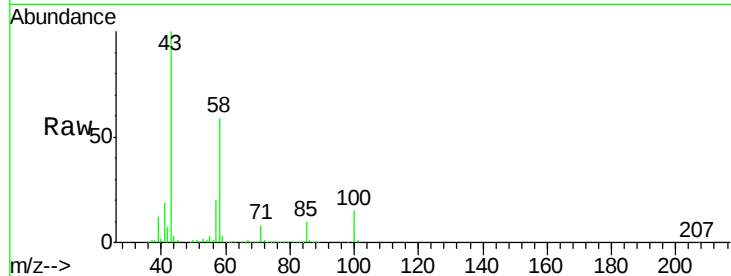
#59
2-Hexanone
Concen: 267.740 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	439028
Ion Ratio	100	Lower	Upper
43	100		
58	59.3	30.1	90.5

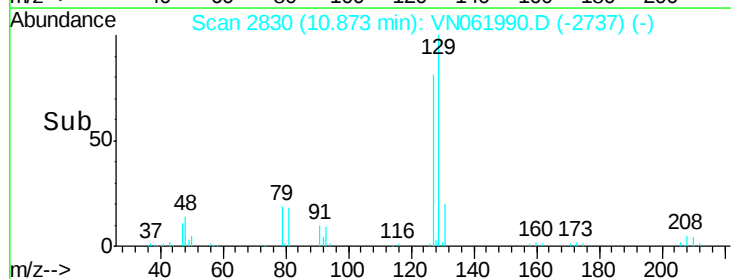
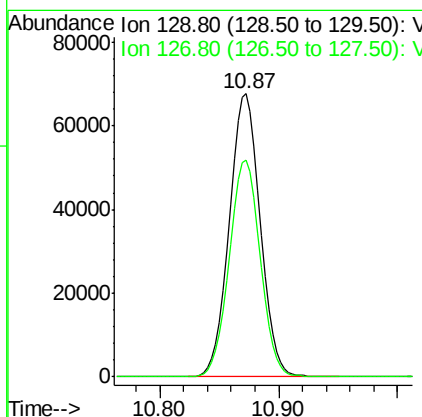
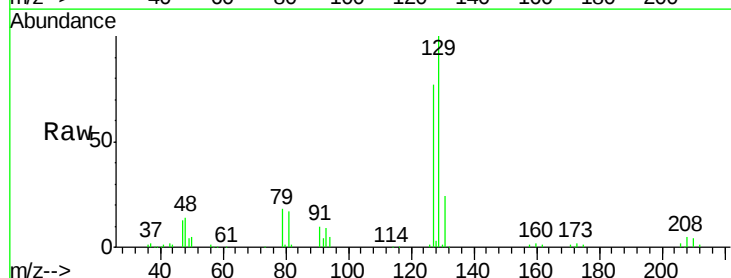
Manual Integrations
APPROVED

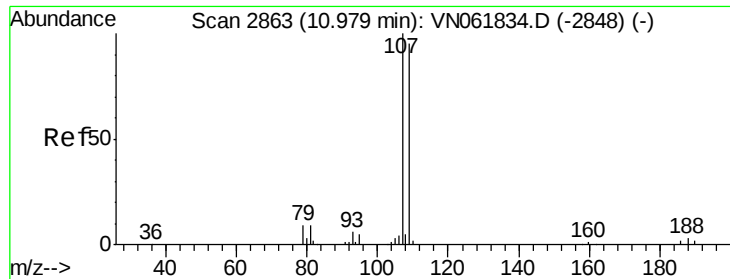
MMDadoda
6/23/2020 12:48:02 PM



#60
Dibromochloromethane
Concen: 55.444 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	129	Resp	121763
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.5	115.5





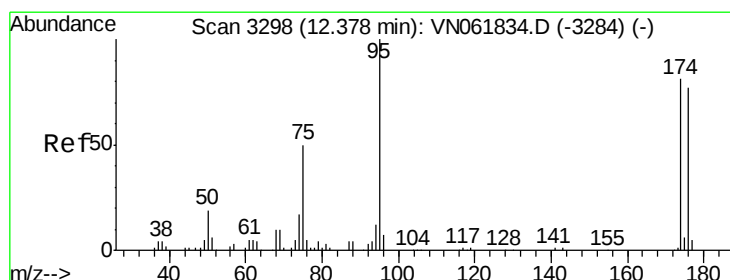
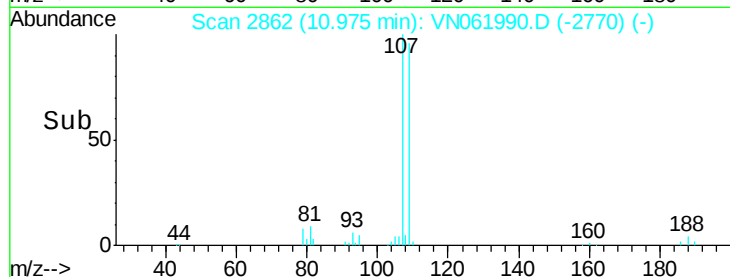
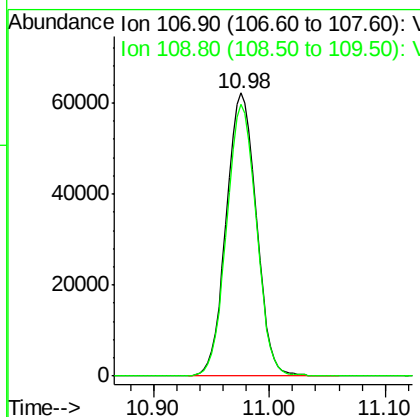
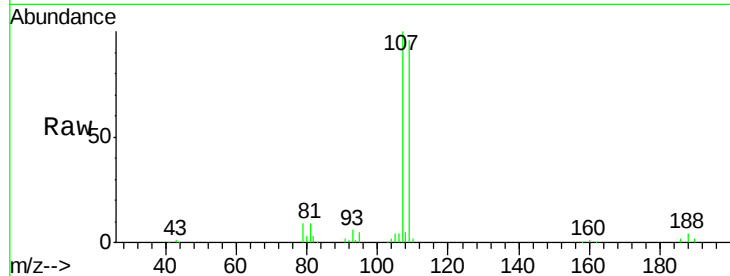
#61
 1,2-Dibromoethane
 Concen: 54.202 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	111392		
109	94.8	75.0	112.6	

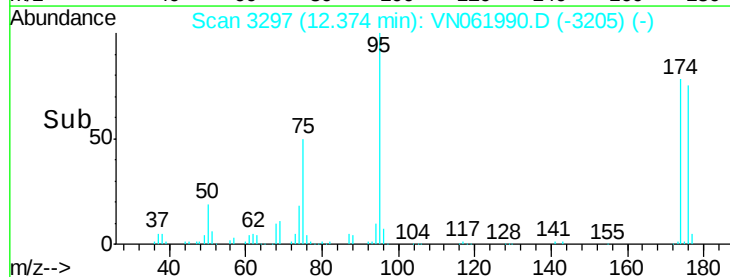
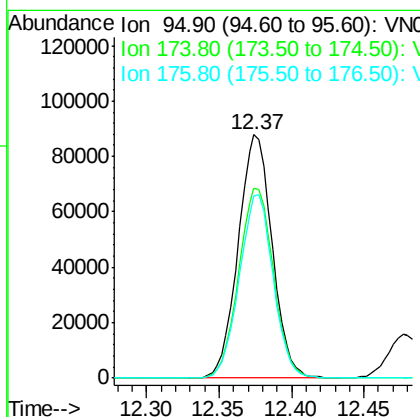
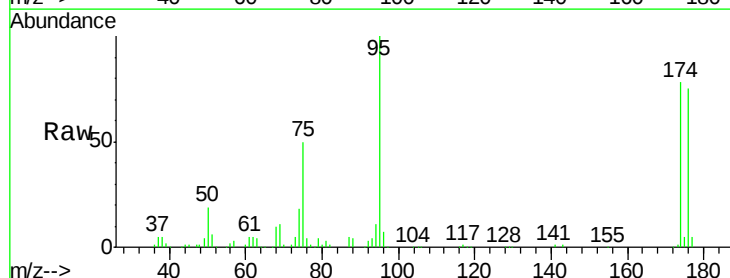
Manual Integrations
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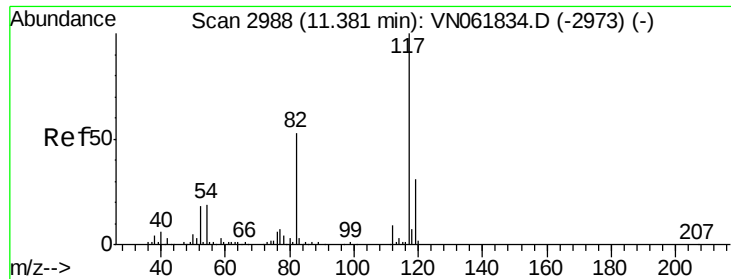
MMDadoda
 6/23/2020 12:48:02 PM



#62
 4-Bromofluorobenzene
 Concen: 57.538 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	143099		
174	79.8	0.0	158.6	
176	75.1	0.0	152.0	





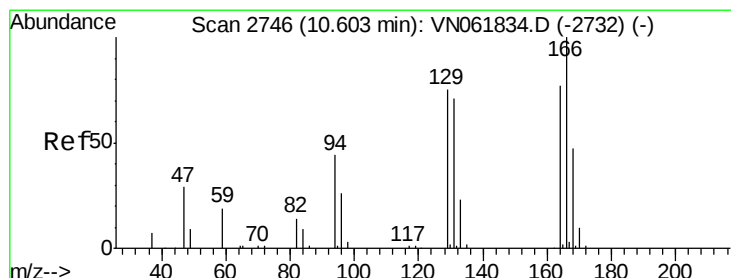
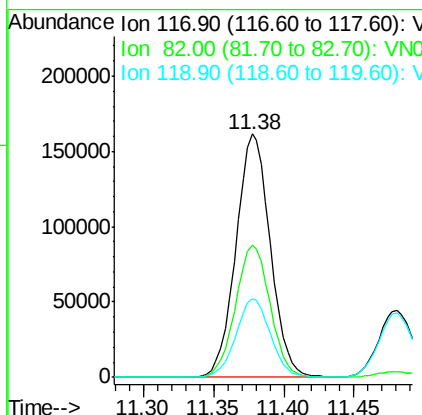
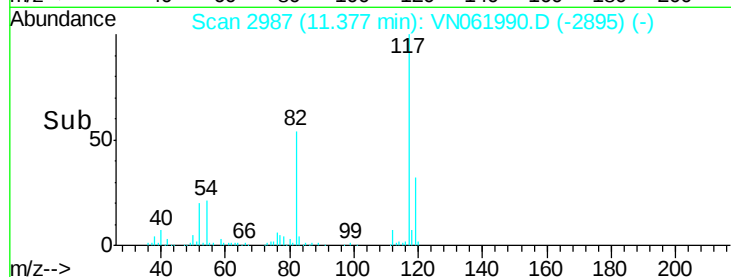
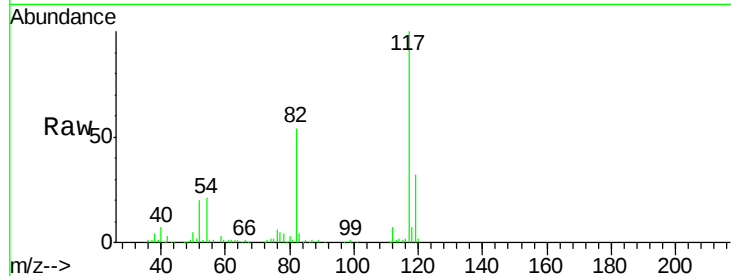
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	275470		
82	54.4		42.6	64.0
119	32.3		24.7	37.1

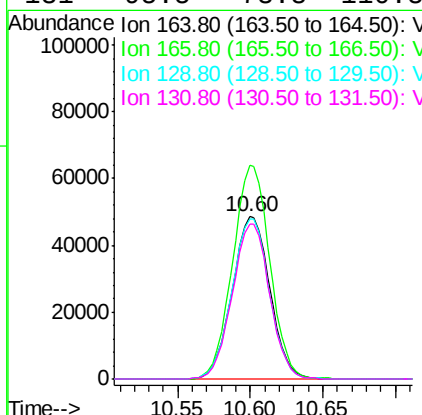
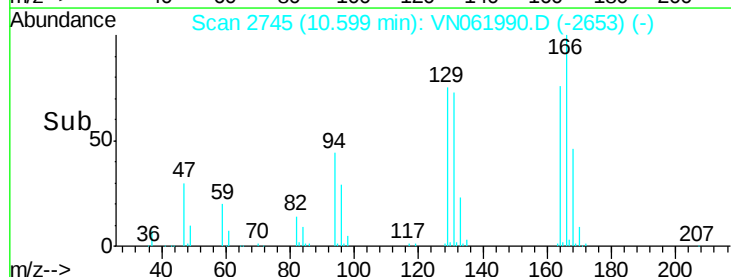
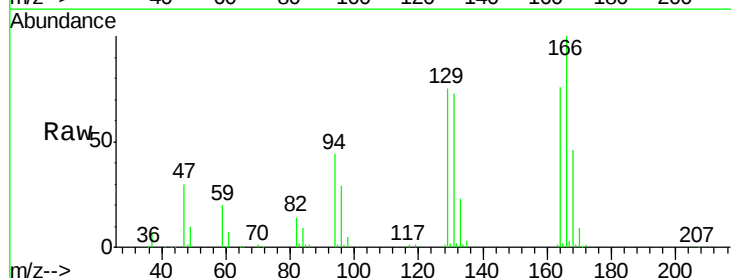
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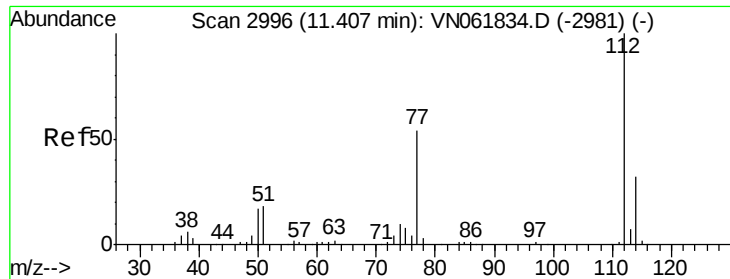
MMDadoda
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#64
Tetrachloroethene
Concen: 49.853 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87529		
166	131.5		103.5	155.3
129	98.8		77.5	116.3
131	95.5		73.8	110.8





#65

Chlorobenzene

Concen: 50.737 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 294914

Ion Ratio Lower Upper

112 100

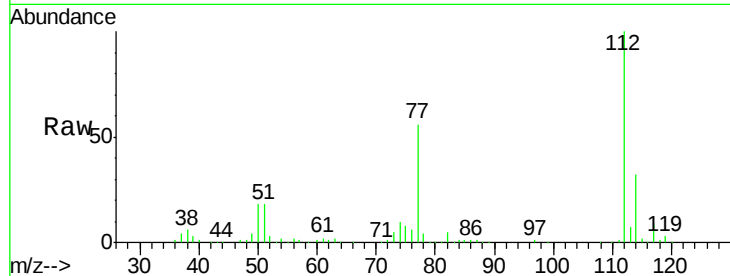
114 32.1 25.8 38.6

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.40

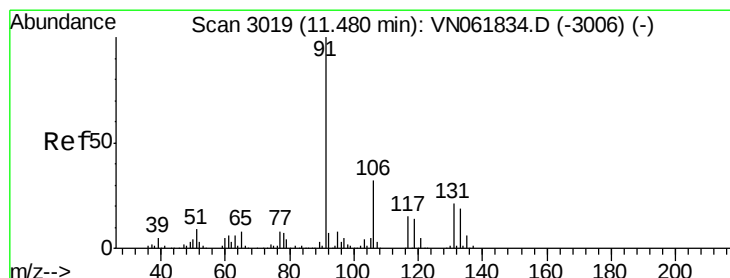
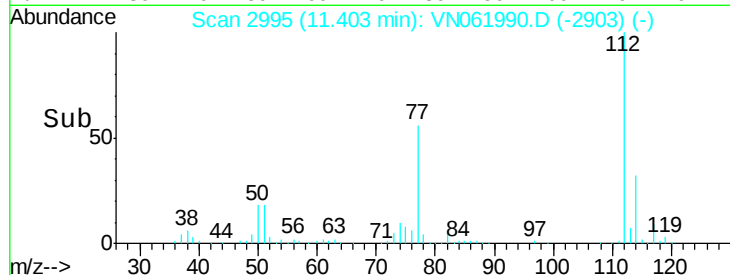
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 53.291 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

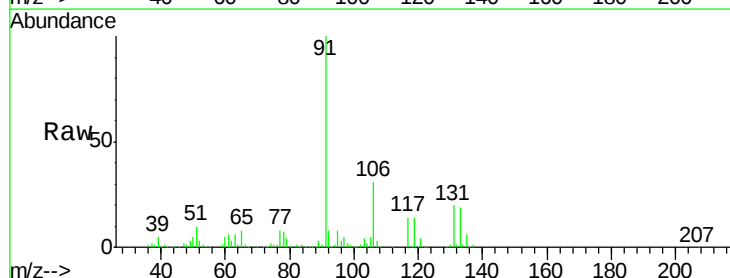
Tgt Ion:131 Resp: 108033

Ion Ratio Lower Upper

131 100

133 94.9 47.5 142.5

119 68.6 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

80000

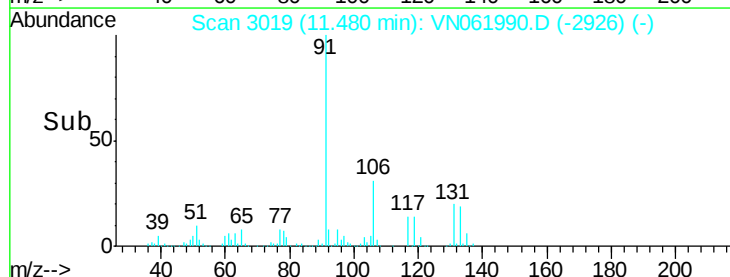
60000

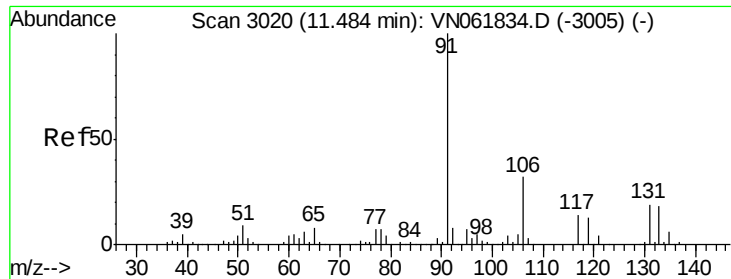
40000

20000

0

Time--> 11.40 11.45 11.50 11.55





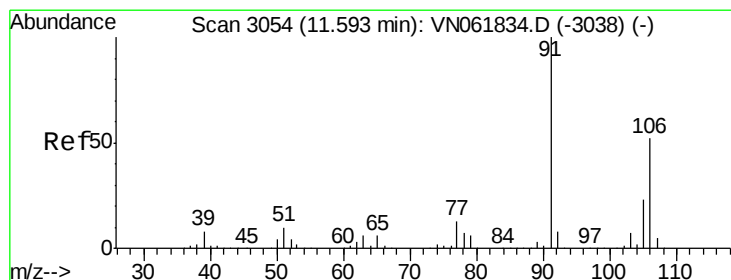
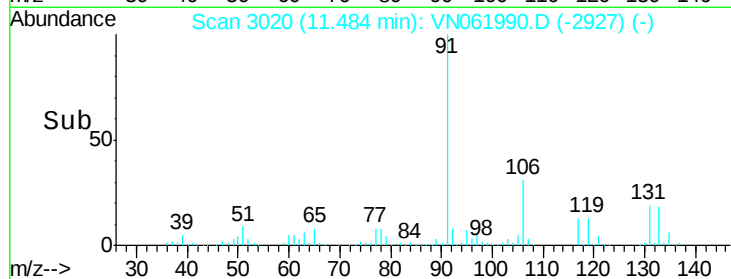
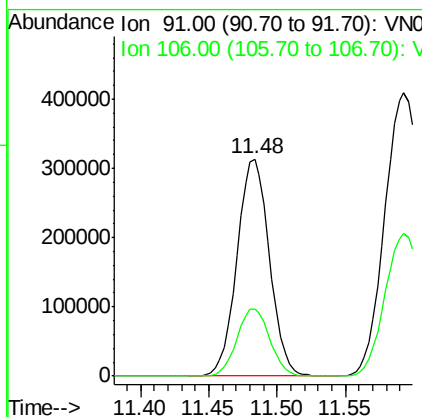
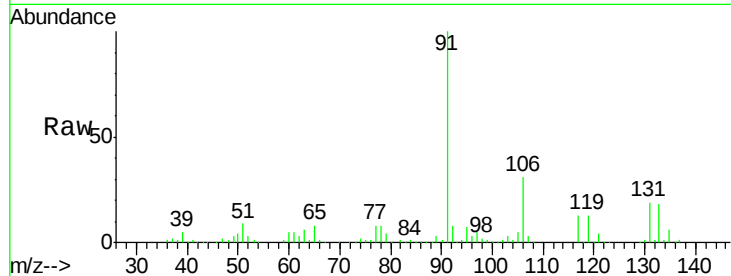
#67
Ethyl Benzene
Concen: 53.006 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 516578
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2

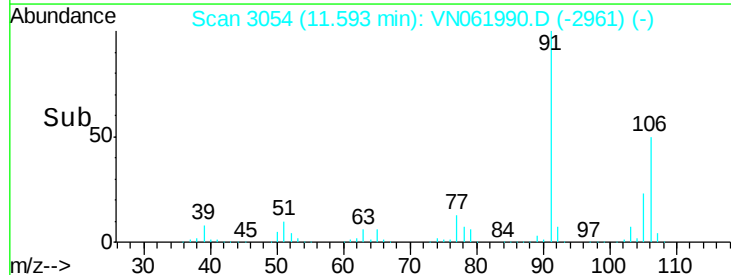
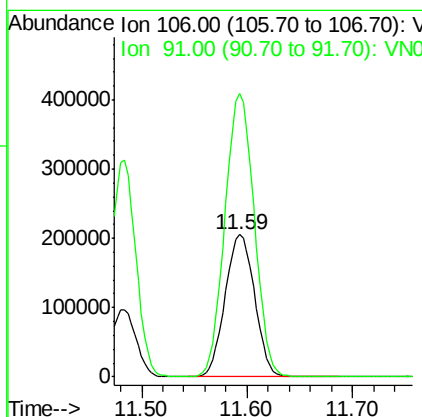
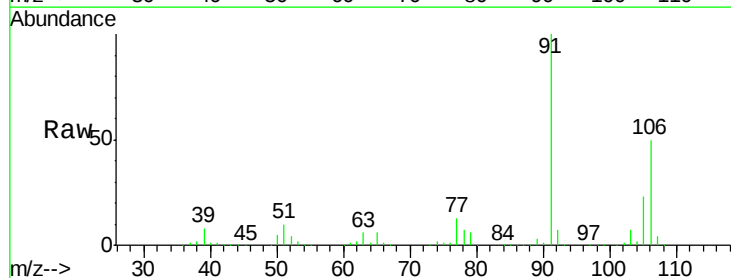
Manual Integrations
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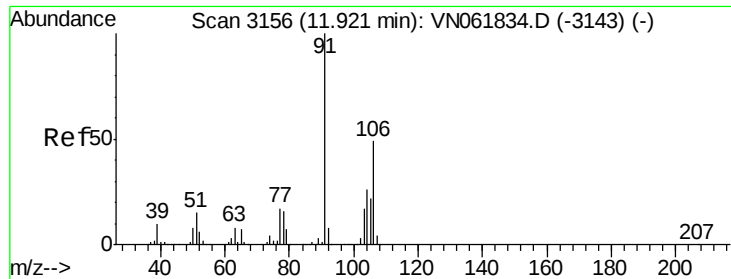
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#68
m/p-Xylenes
Concen: 106.184 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion: 106 Resp: 399036
Ion Ratio Lower Upper
106 100
91 197.5 157.0 235.6





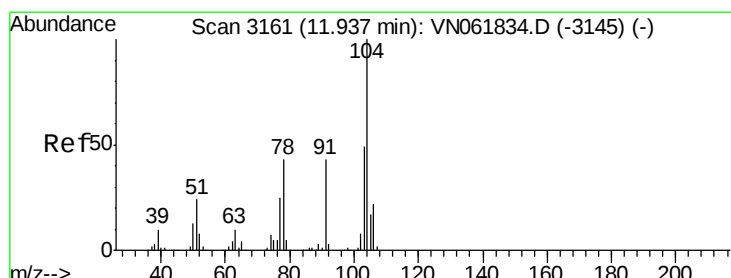
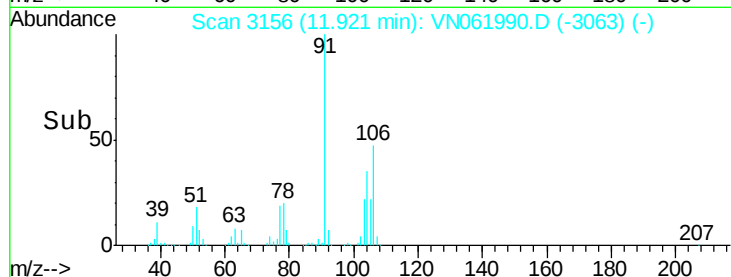
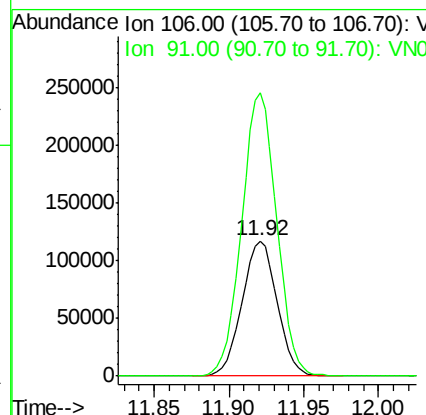
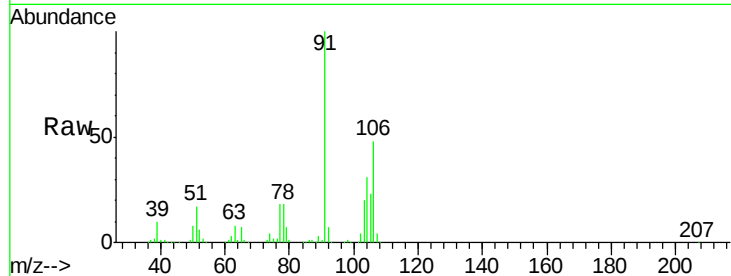
#69
o-Xylene
Concen: 53.224 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		190841		
91	209.1	103.0	308.9		

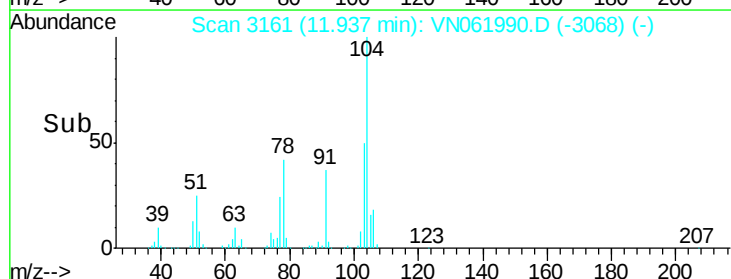
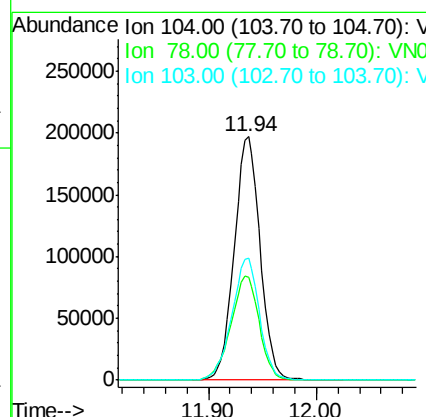
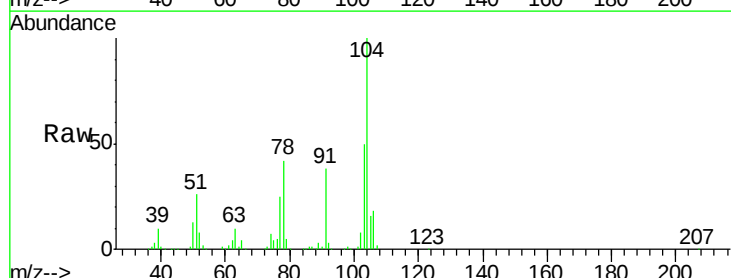
Manual Integrations
APPROVED

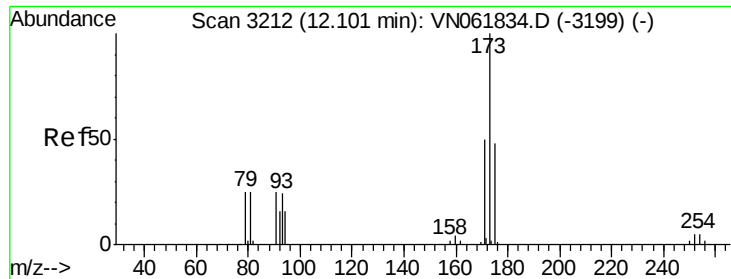
MMDadoda
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#70
Styrene
Concen: 55.030 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		330389		
78	46.9	37.6	56.4		
103	53.6	43.0	64.4		





#71

Bromoform

Concen: 55.229 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 81637

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.7

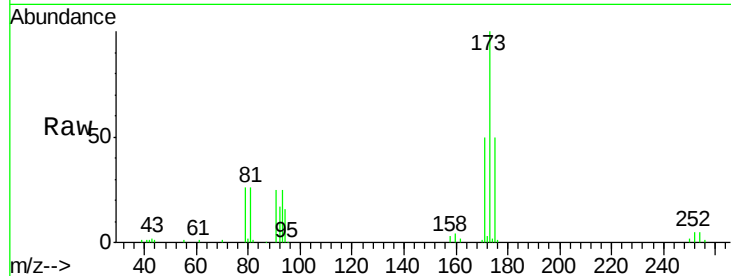
254 0.0 0.0 0.0

Manual Integrations

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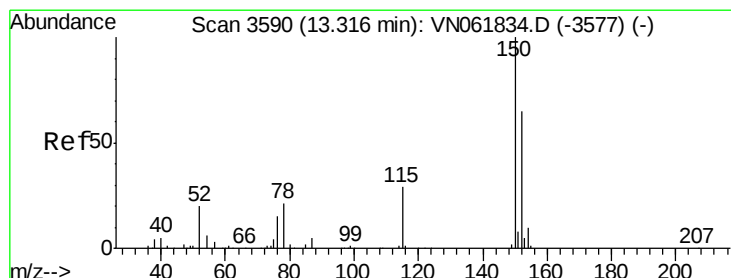
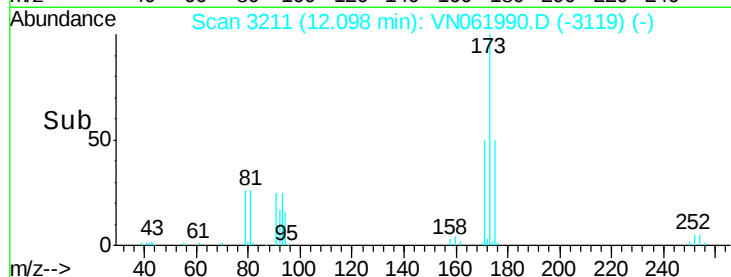
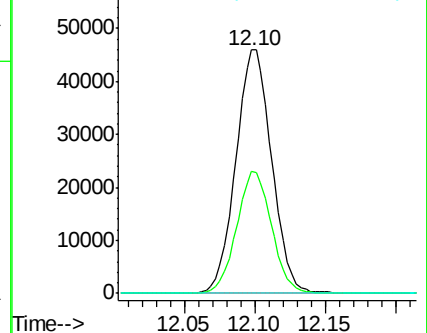
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN061990.D

Acq: 22 Jun 2020 11:02

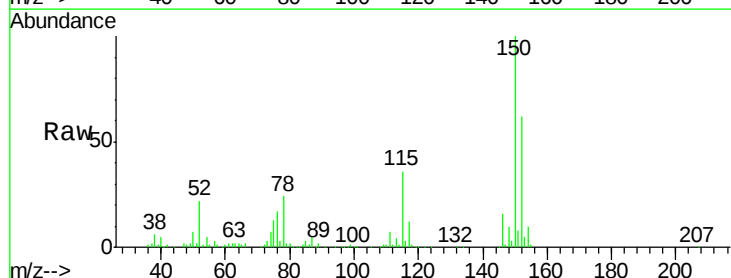
Tgt Ion:152 Resp: 136355

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.3

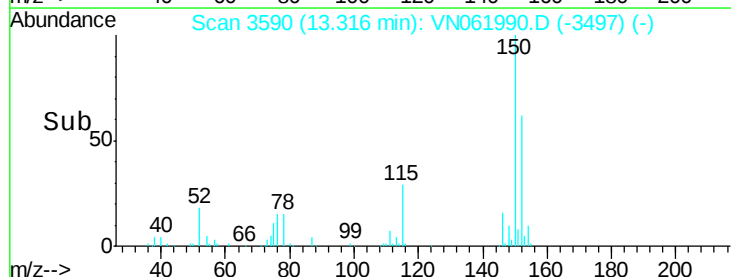
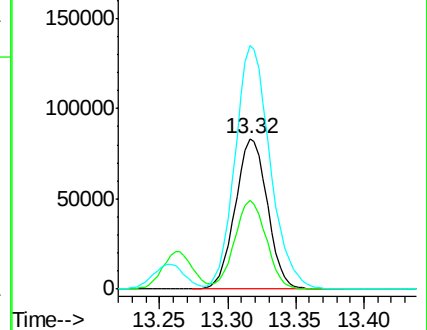
150 177.0 0.0 347.6

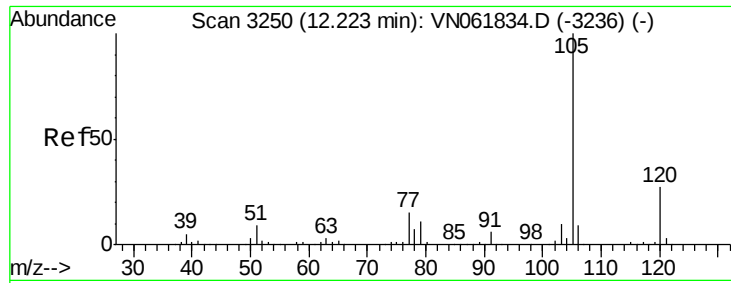


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.261 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 506391

Ion Ratio Lower Upper

105 100

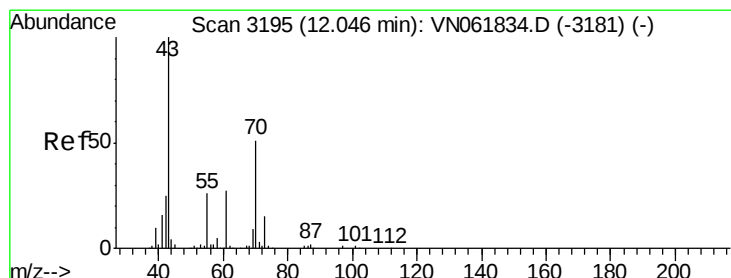
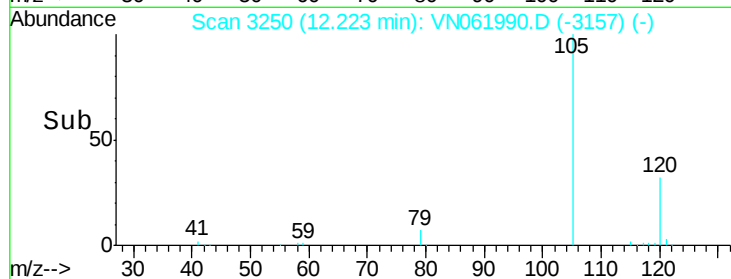
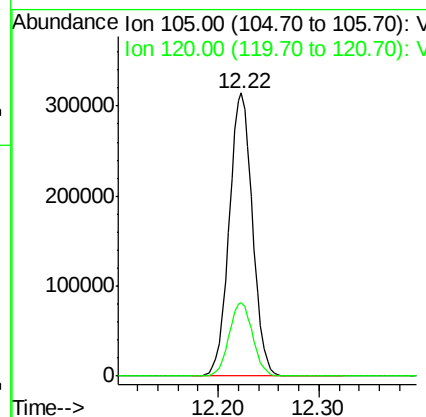
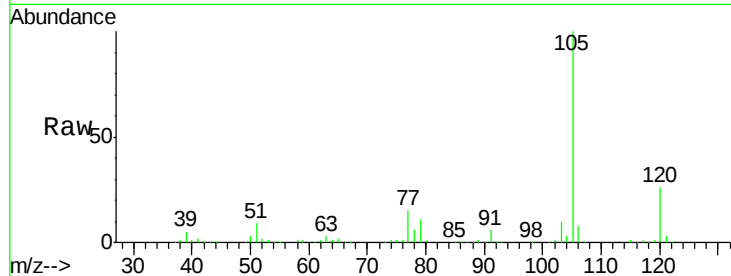
120 26.3 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.070 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Tgt Ion: 43 Resp: 179452

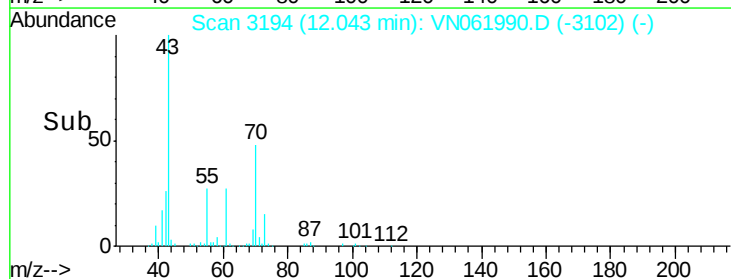
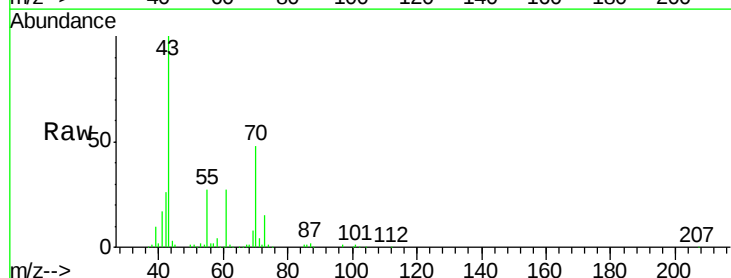
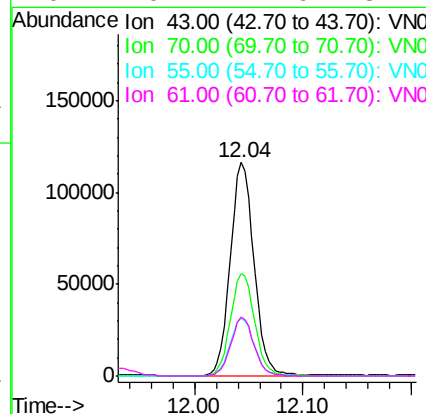
Ion Ratio Lower Upper

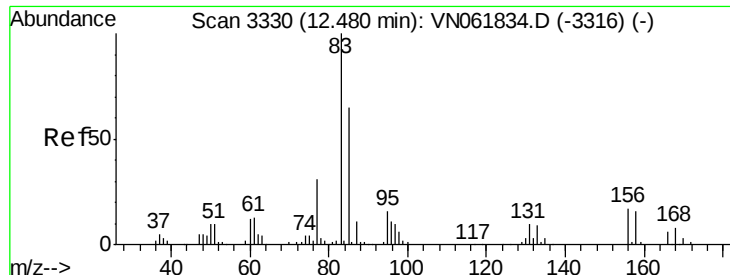
43 100

70 48.6 40.6 60.8

55 27.6 21.5 32.3

61 26.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.102 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 164138

Ion Ratio Lower Upper

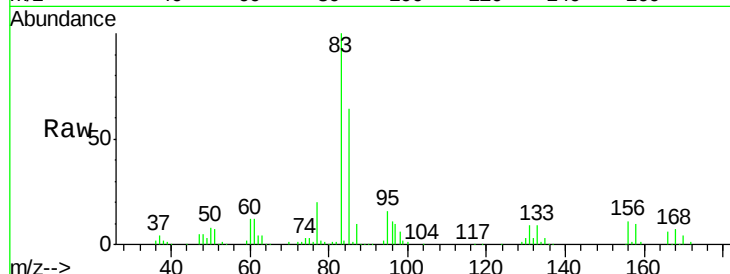
83 100

131 9.7 5.0 15.0

85 64.8 32.4 97.2

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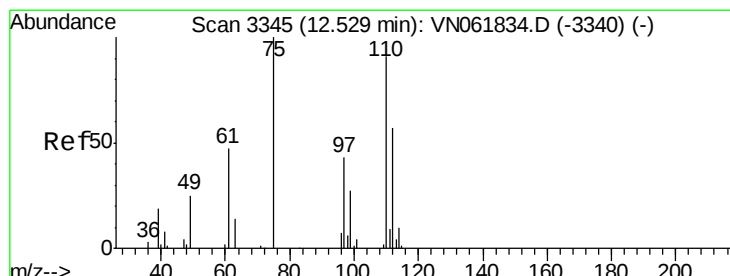
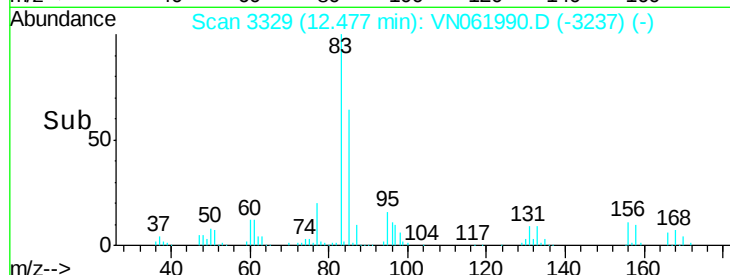
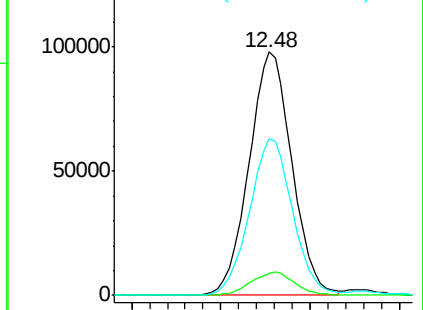
MMDadoda
6/23/2020 12:48:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VN061990.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061990.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061990.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 54.613 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061990.D

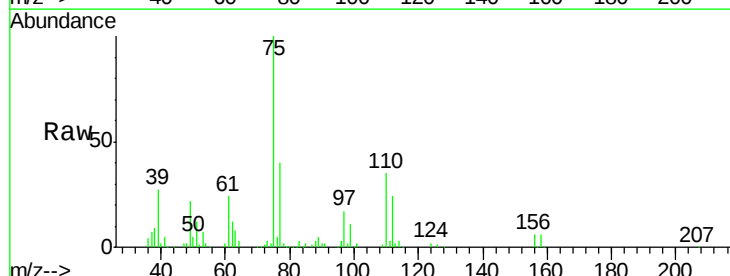
Acq: 22 Jun 2020 11:02

Tgt Ion: 75 Resp: 146199

Ion Ratio Lower Upper

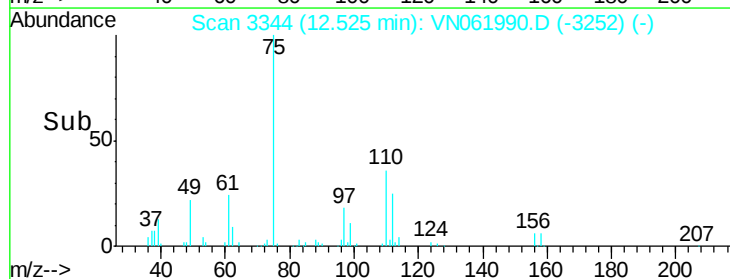
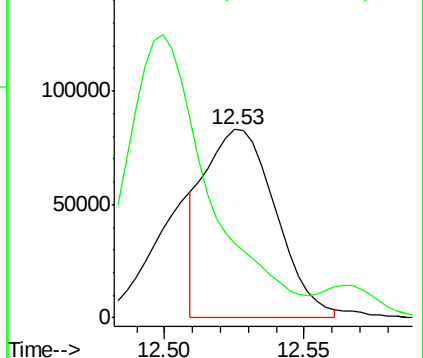
75 100

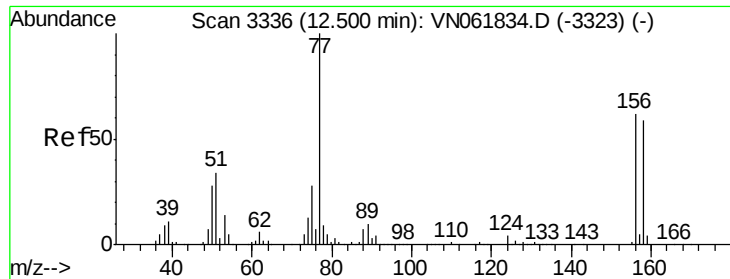
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061990.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061990.D (-3252) (-)





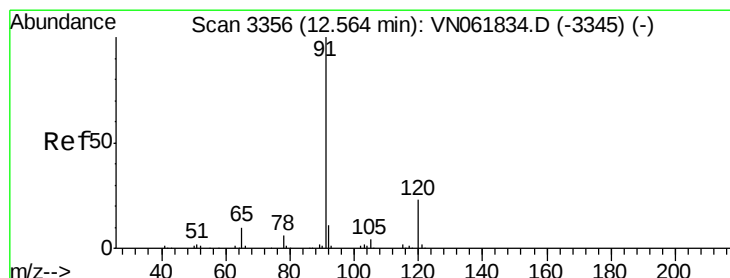
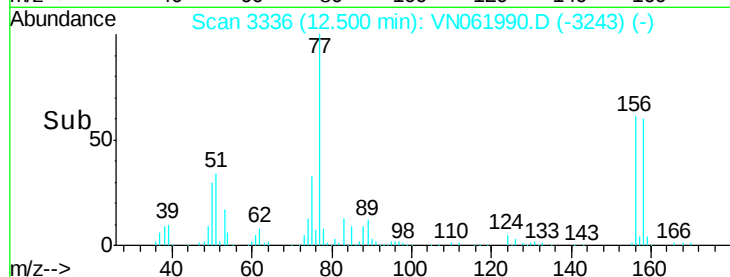
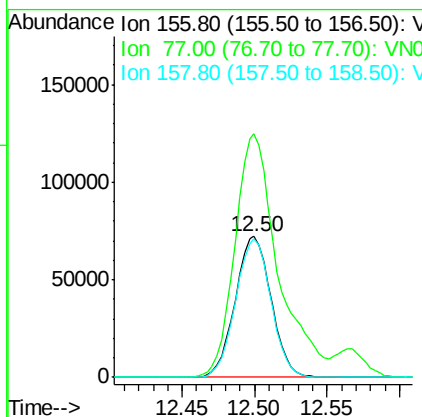
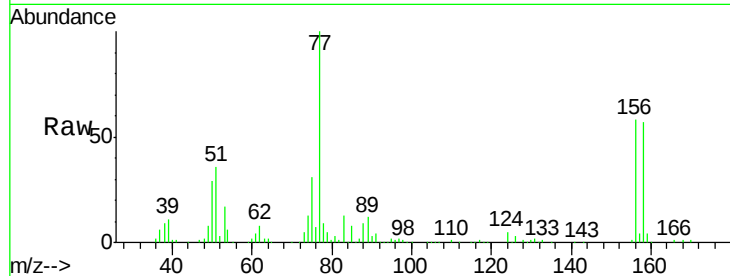
#77
Bromobenzene
Concen: 50.701 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	208.5	100.7	302.1
158	97.1	48.5	145.5

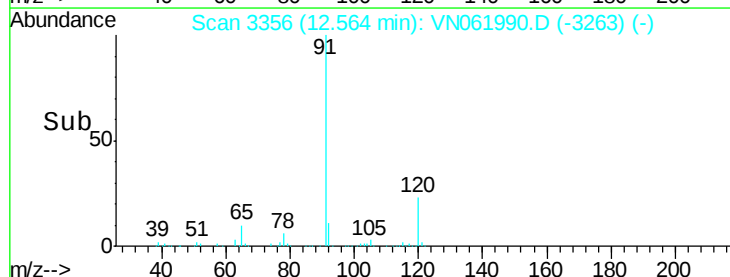
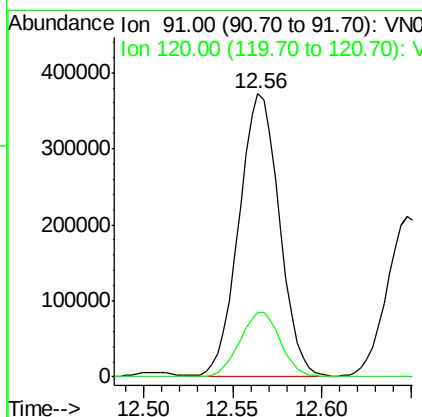
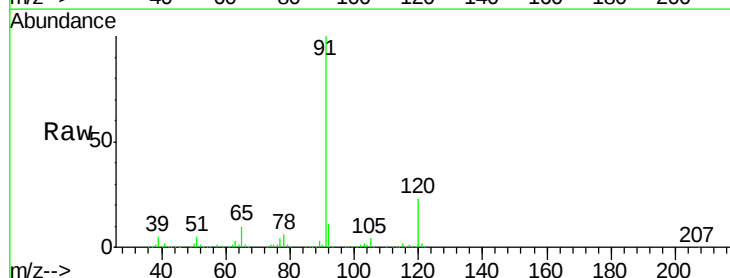
Manual Integrations
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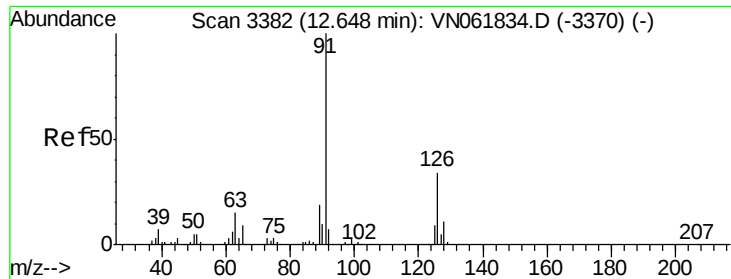
MMDadoda
6/23/2020 12:48:02 PM



#78
n-propylbenzene
Concen: 52.756 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.8





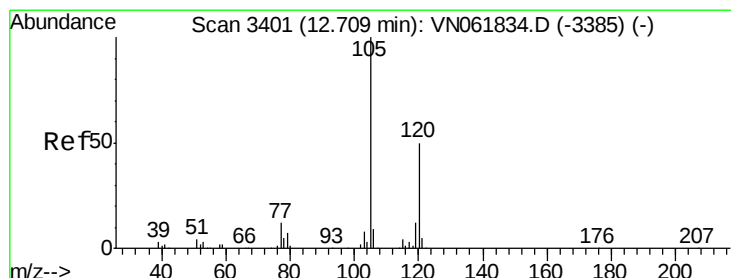
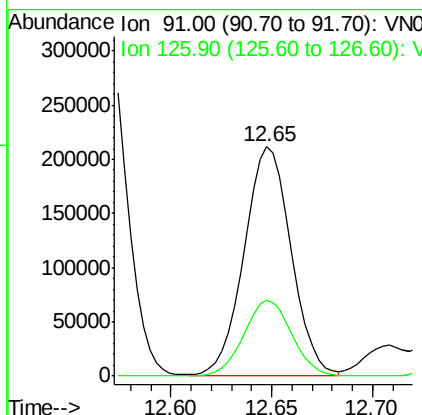
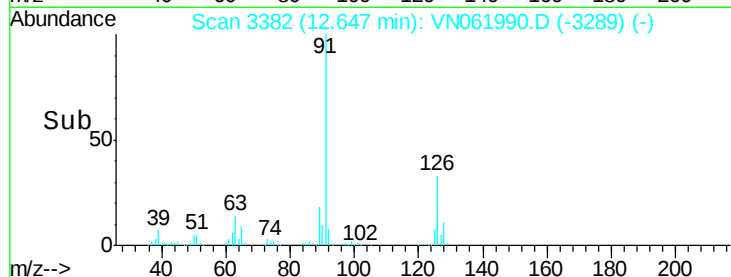
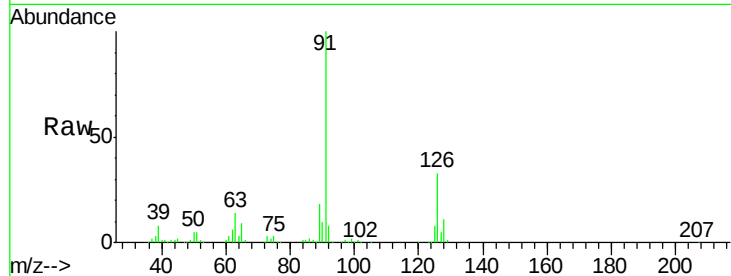
#79
 2-Chlorotoluene
 Concen: 51.648 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 342957
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.3 51.7

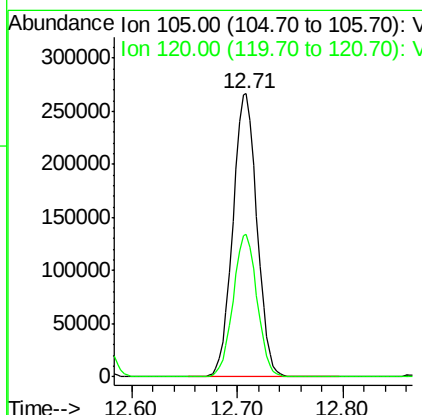
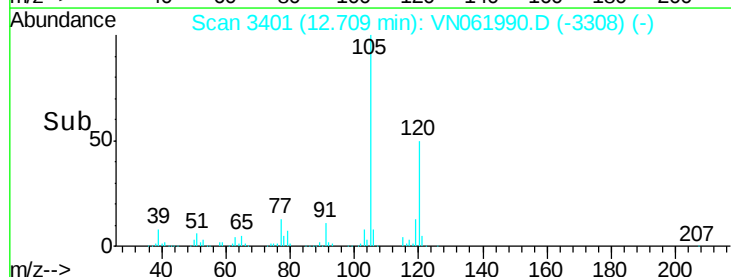
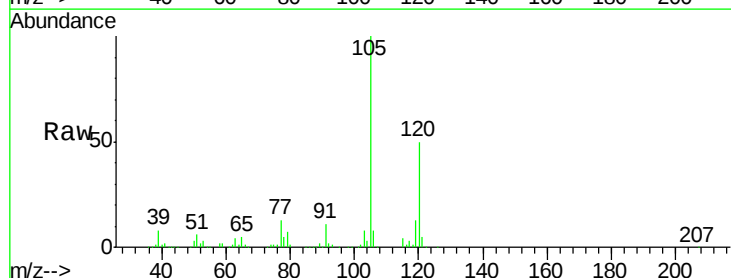
Manual Integrations
 APPROVED

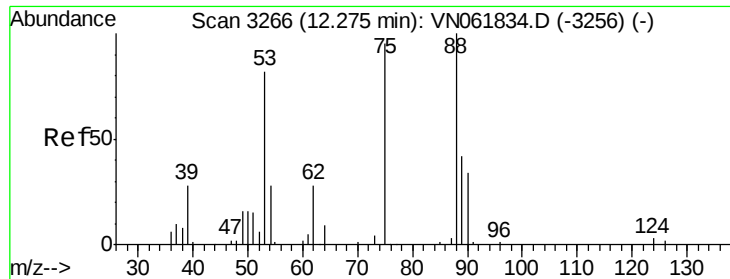
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.543 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion: 105 Resp: 421205
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.7





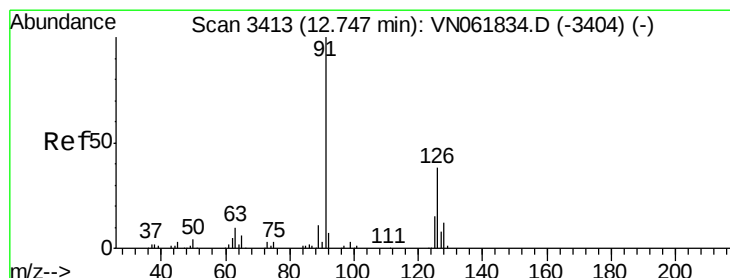
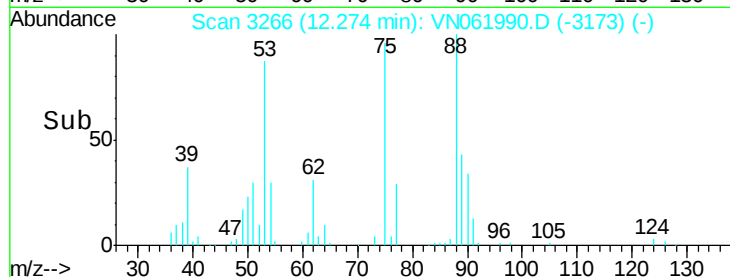
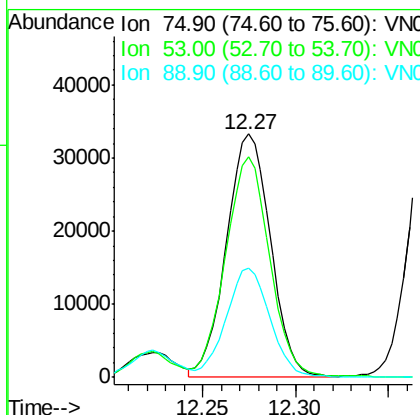
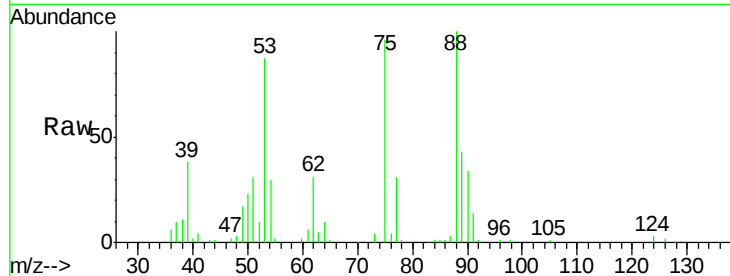
#81
trans-1,4-Dichloro-2-butene
Concen: 56.079 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	70.4	105.6
89	44.4	36.0	54.0

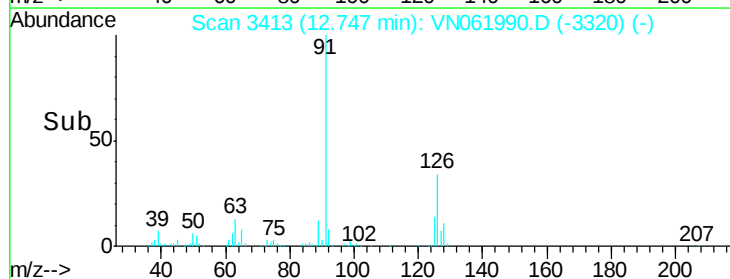
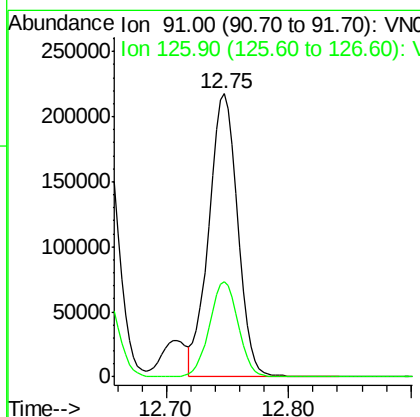
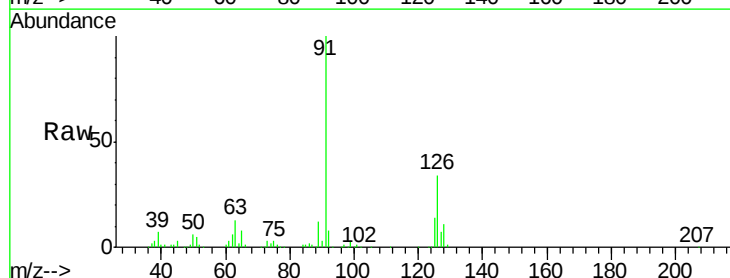
Manual Integrations
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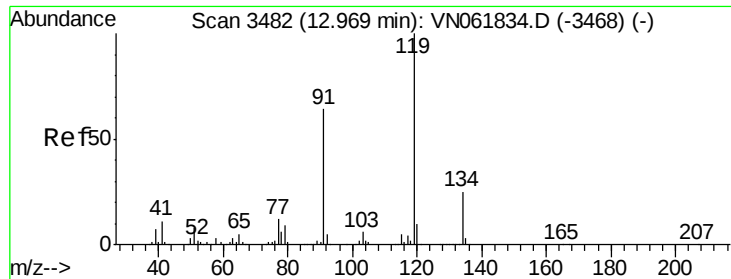
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.468 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6





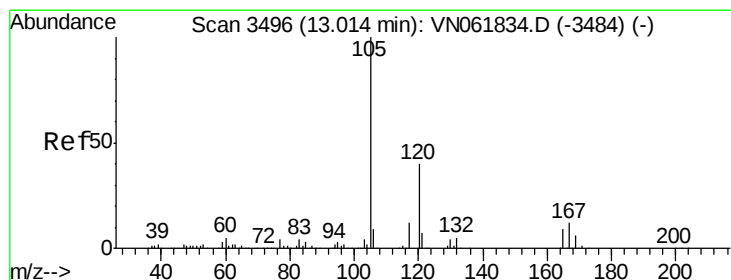
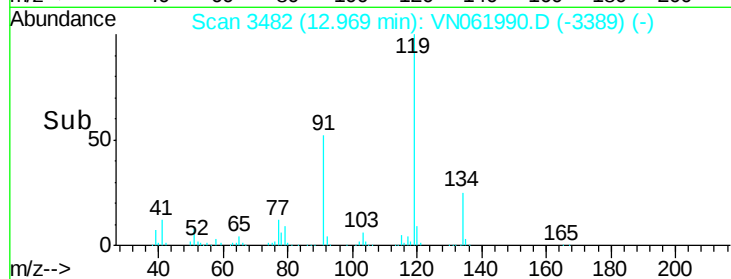
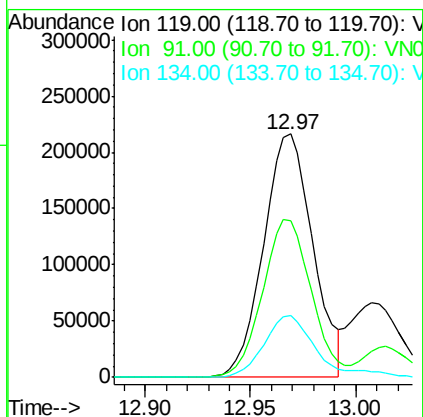
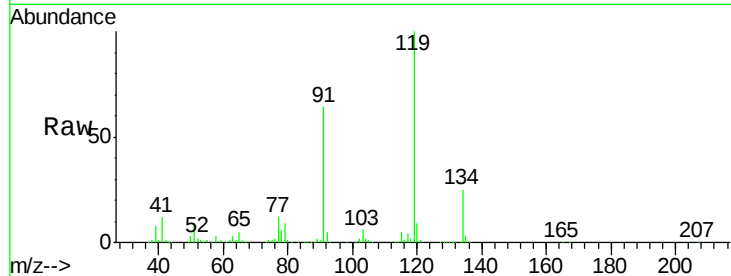
#83
tert-Butylbenzene
Concen: 51.857 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.5	94.5
134	27.0	13.3	39.9

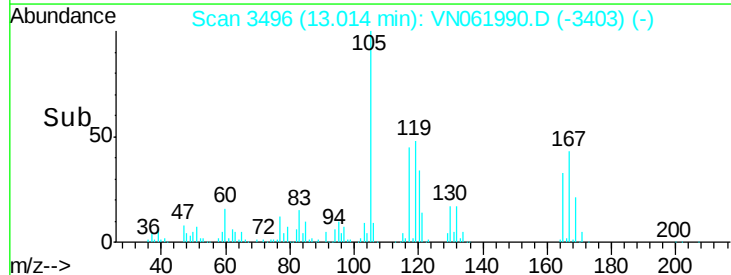
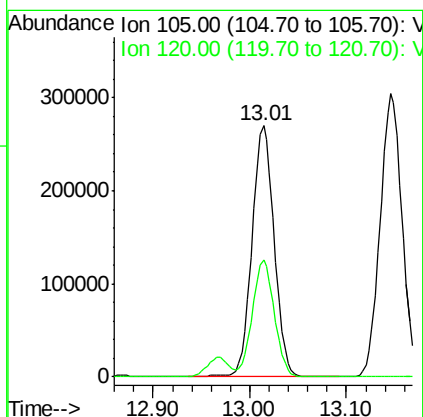
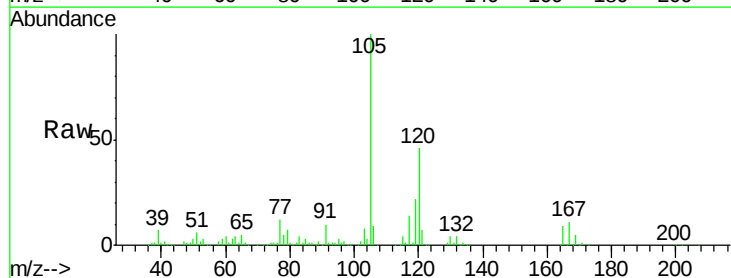
Manual Integrations
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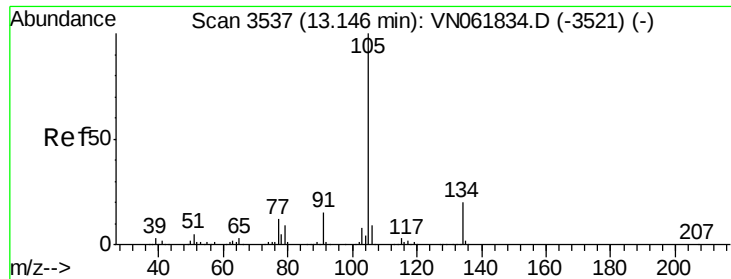
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.172 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.9





#85

sec-Butylbenzene

Concen: 53.674 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 477443

Ion Ratio Lower Upper

105 100

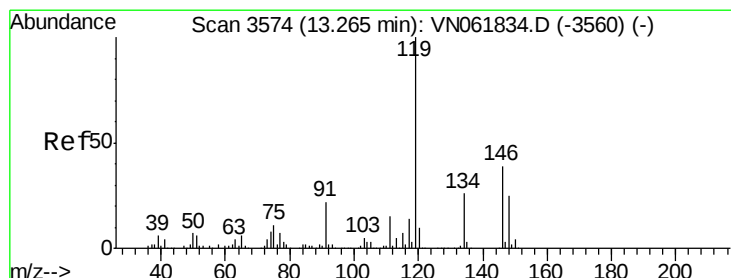
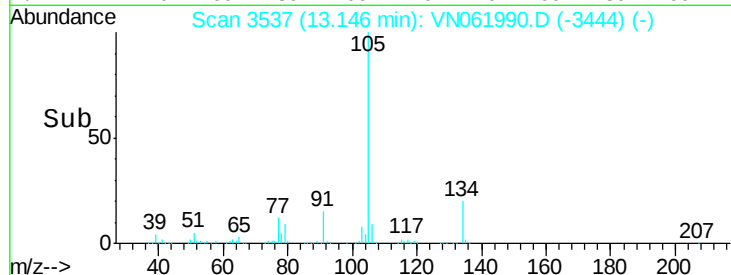
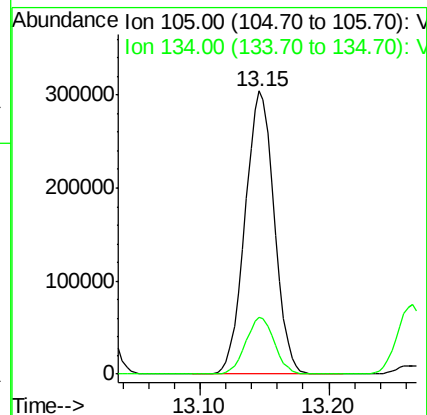
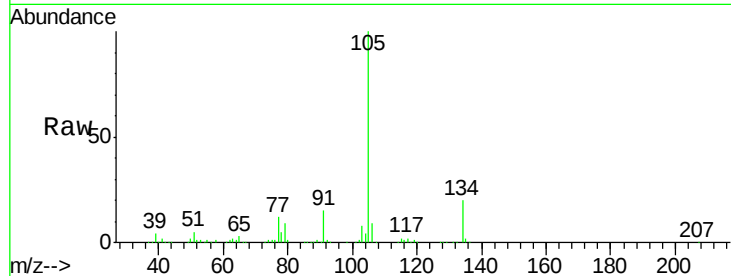
134 19.8 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.508 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061990.D

Acq: 22 Jun 2020 11:02

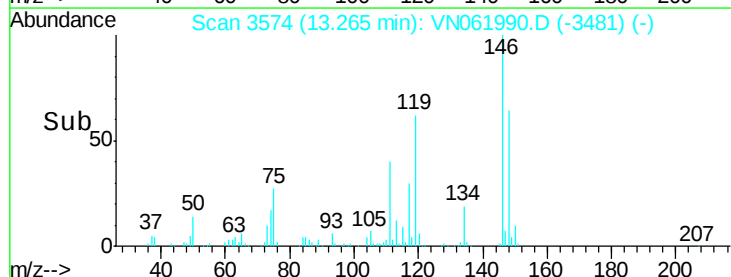
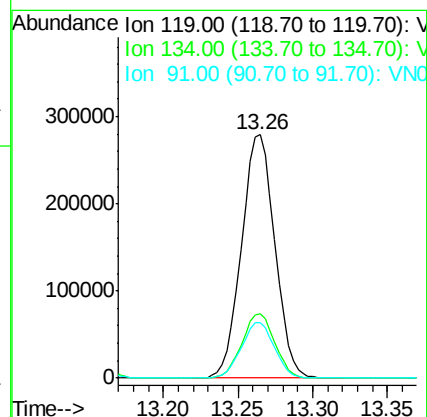
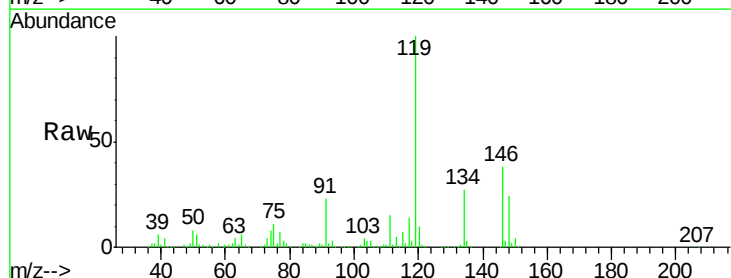
Tgt Ion:119 Resp: 432052

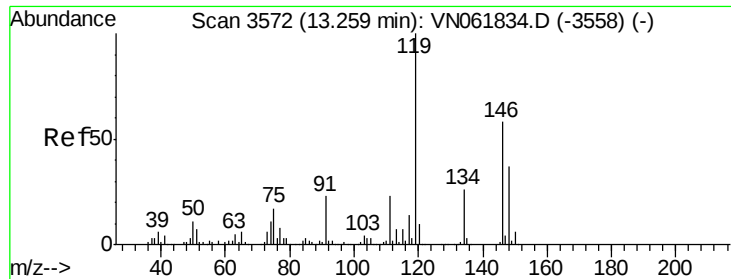
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 22.8 11.2 33.6





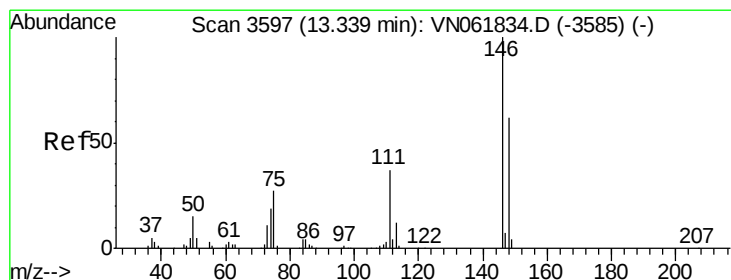
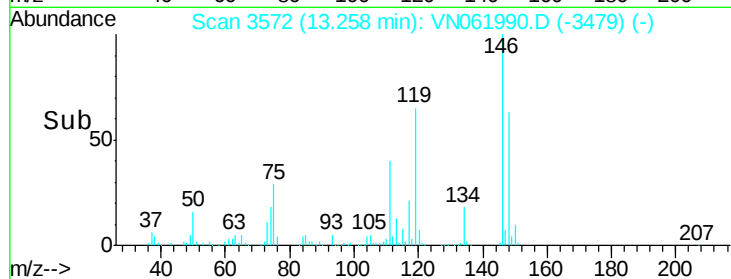
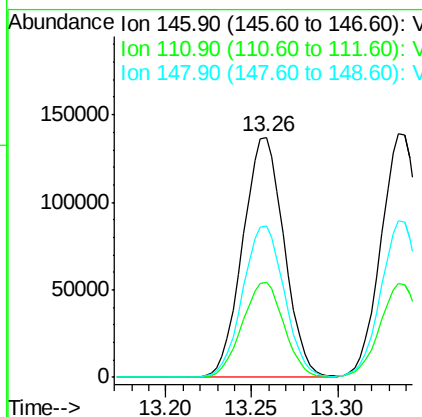
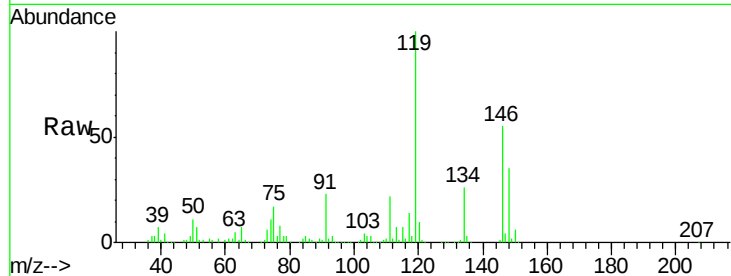
#87
 1,3-Dichlorobenzene
 Concen: 51.351 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.8
148	63.2	31.8	95.4

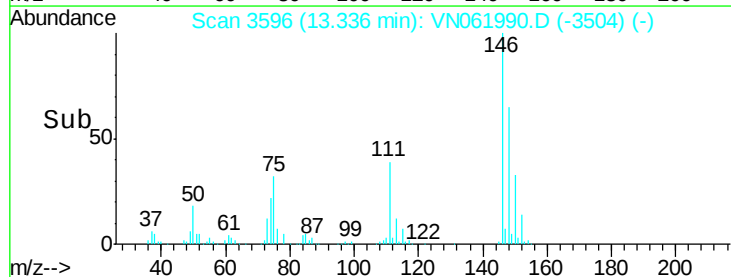
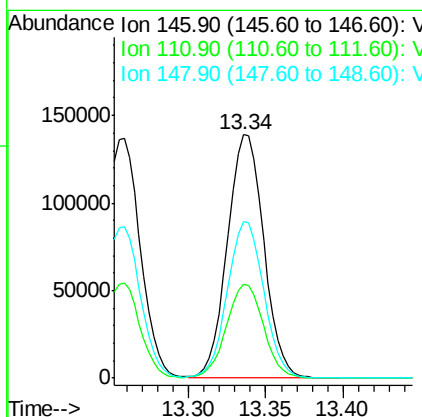
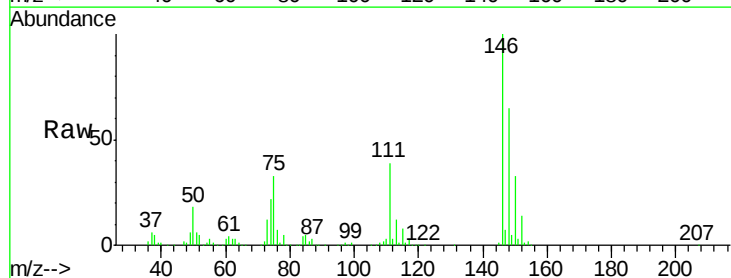
Manual Integrations
 APPROVED

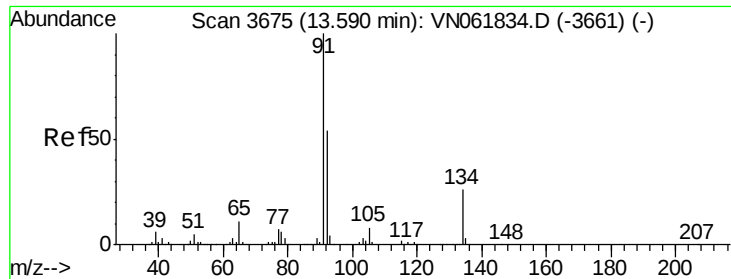
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.655 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.8
148	64.5	31.6	94.7





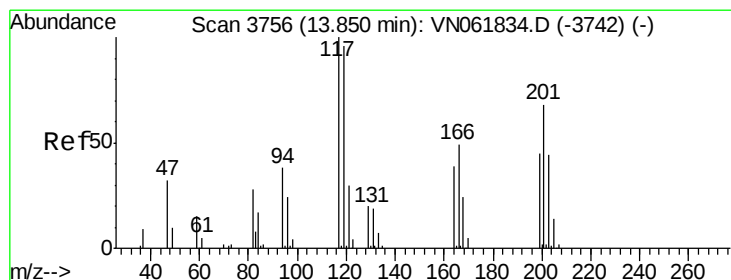
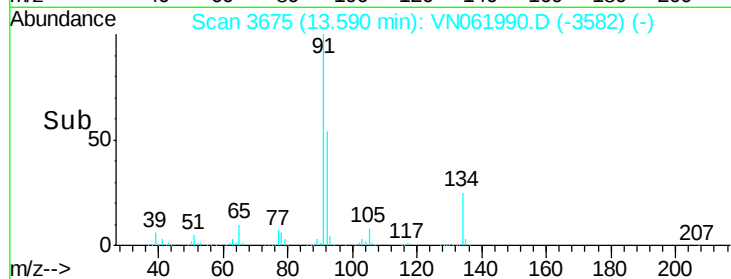
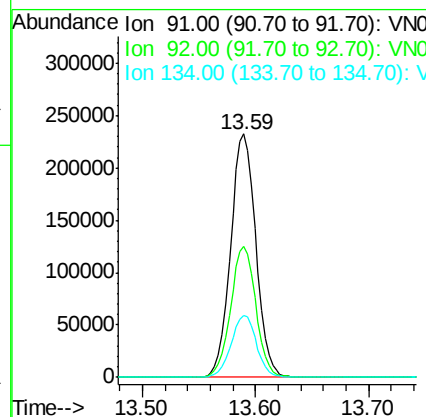
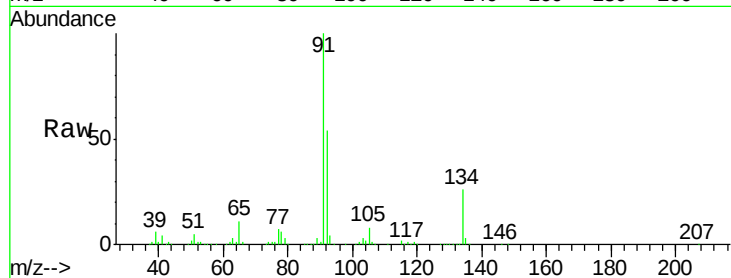
#89
n-Butylbenzene
Concen: 54.535 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.0	80.8
134	25.5	13.0	39.0

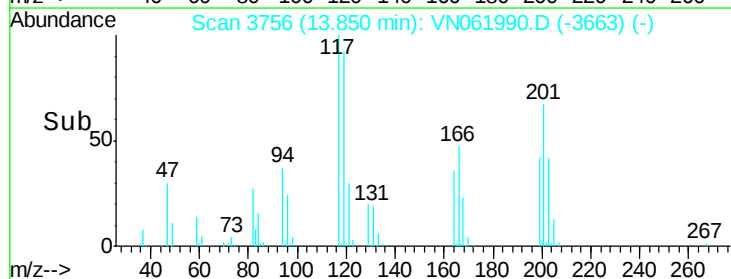
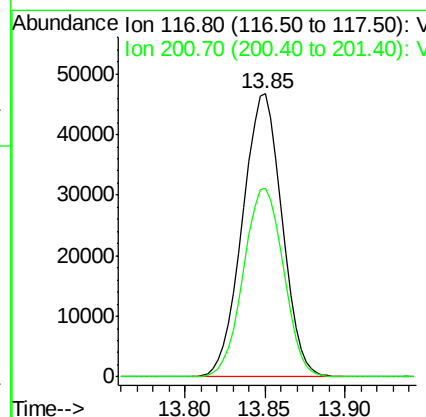
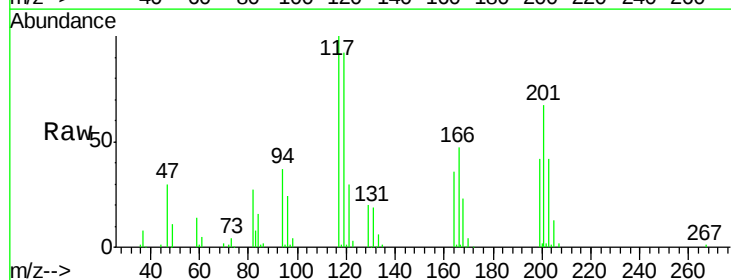
Manual Integrations
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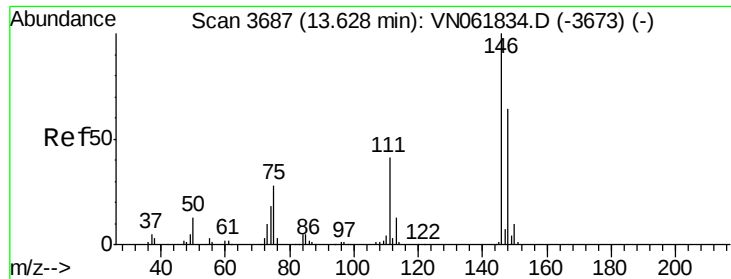
MMDadoda
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#90
Hexachloroethane
Concen: 54.538 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.6	103.8





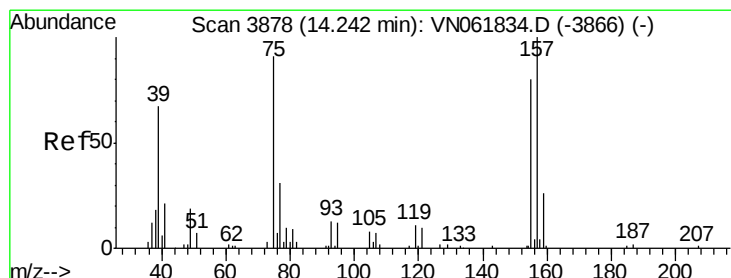
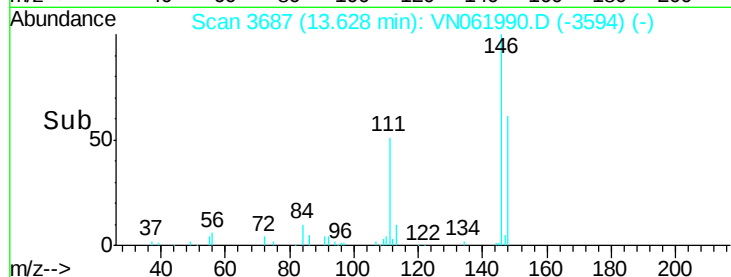
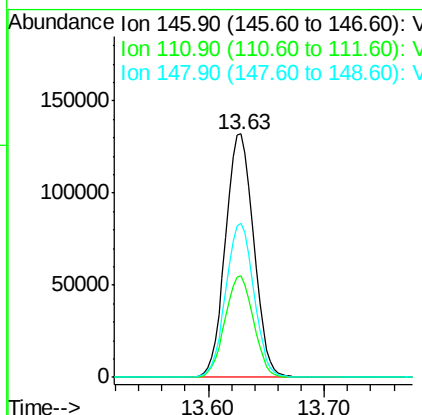
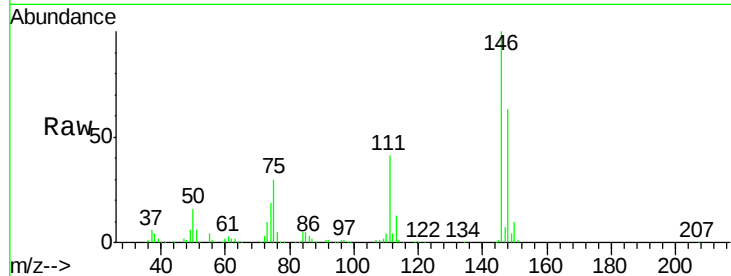
#91
 1,2-Dichlorobenzene
 Concen: 51.851 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222558		
111	41.8	20.4	61.2	
148	62.8	31.8	95.4	

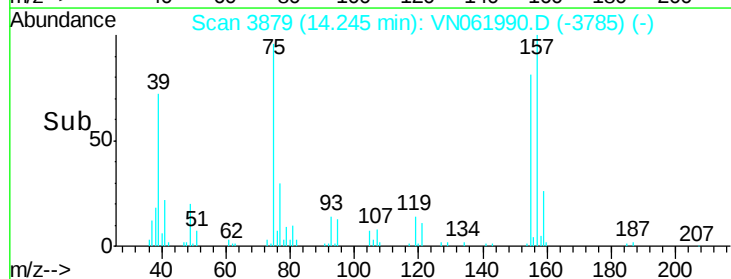
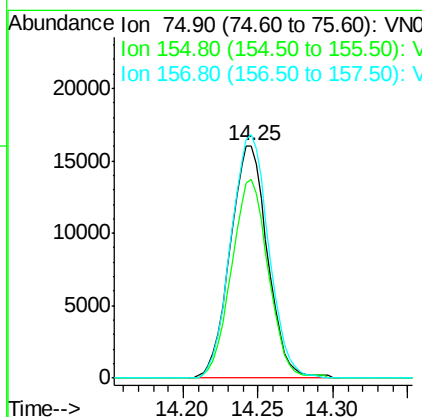
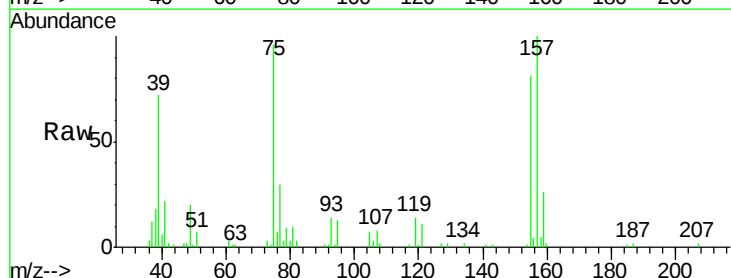
Manual Integrations
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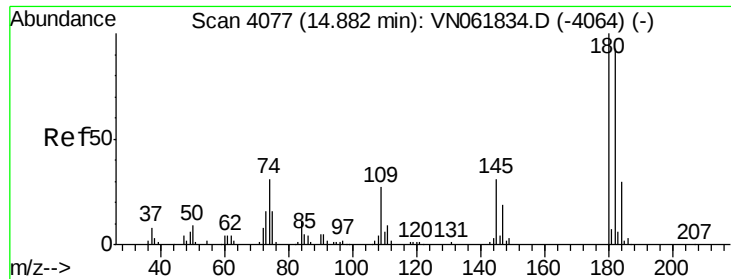
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.539 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27893		
155	83.5	44.4	133.2	
157	105.9	57.0	171.2	





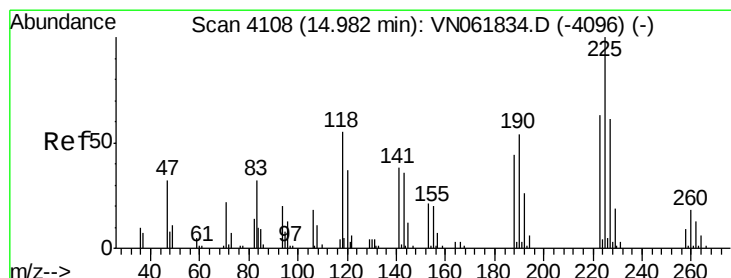
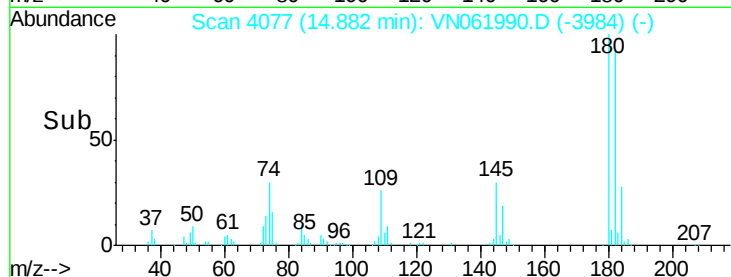
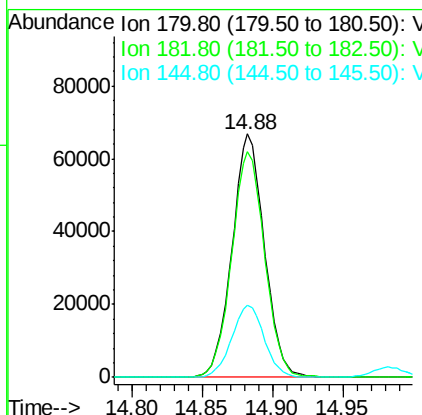
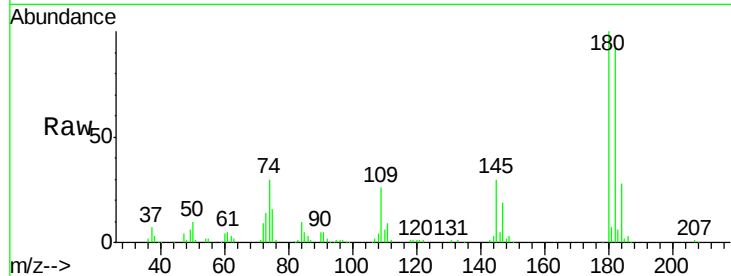
#93
 1,2,4-Trichlorobenzene
 Concen: 52.958 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107262		
182	94.6	47.0	141.2	
145	29.8	15.8	47.3	

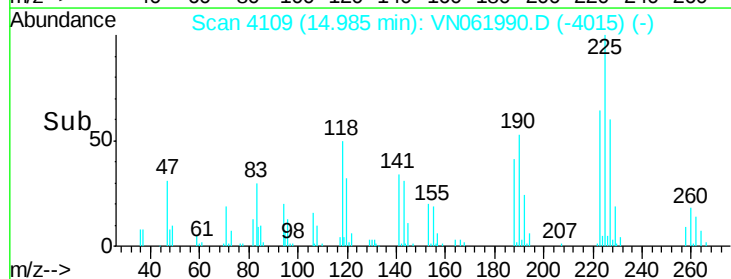
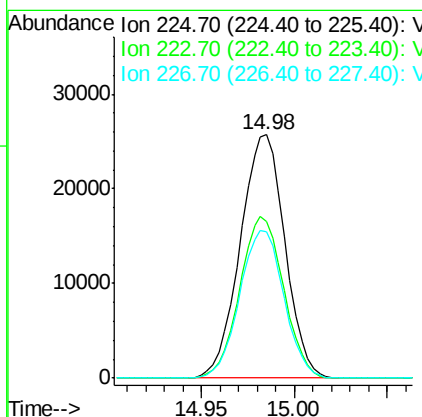
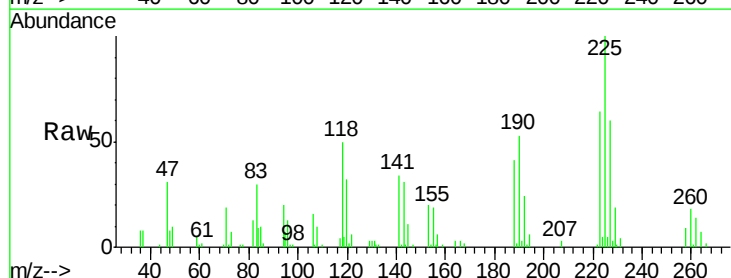
Manual Integrations
 APPROVED

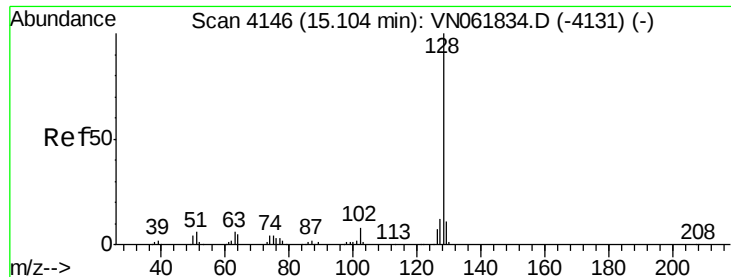
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#94
 Hexachlorobutadiene
 Concen: 54.093 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061990.D
 Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43151		
223	64.8	31.7	95.1	
227	59.9	30.1	90.3	





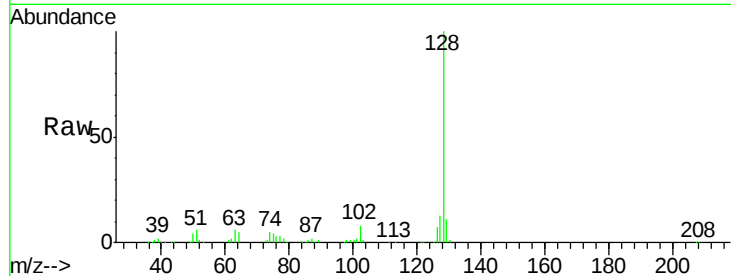
#95
Naphthalene
Concen: 45.887 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

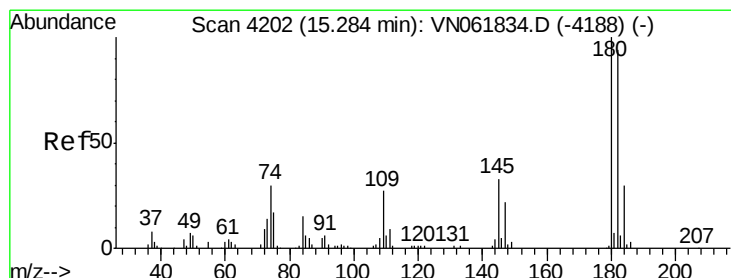
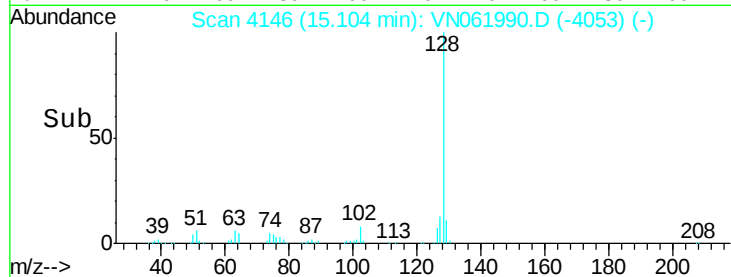
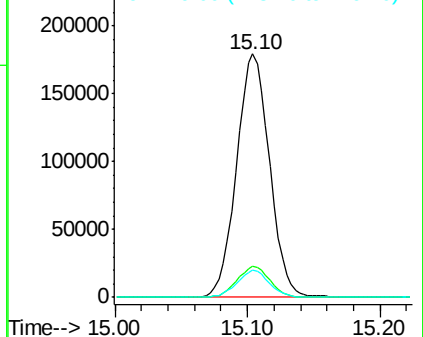
Tot Ion	Ratio	Resp	Lower	Upper
128	100	309146		
127	12.7	10.3	15.5	
129	10.9	8.6	13.0	

Manual Integrations
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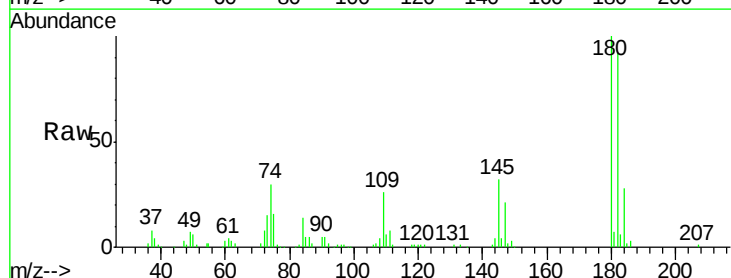


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.849 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061990.D
Acq: 22 Jun 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108015		
182	94.8	47.9	143.6	
145	32.6	16.5	49.5	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

