

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061158.D
 Acq On : 28 Apr 2020 12:45
 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
 4/29/2020 2:58:06 PM

Quant Time: Apr 29 08:28:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	120742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	205191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	193817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	94201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	92330	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	7.54	113	62543	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.06	98	249951	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.37	95	96825	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	67022	52.346	ug/l	99
3) Chloromethane	2.03	50	75633	48.774	ug/l	99
4) Vinyl Chloride	2.16	62	85391	48.482	ug/l	100
5) Bromomethane	2.54	94	43404	49.854	ug/l	96
6) Chloroethane	2.67	64	54291	48.632	ug/l	97
7) Trichlorofluoromethane	2.98	101	105233	52.958	ug/l	99
8) Diethyl Ether	3.37	74	42750	51.578	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	65050	50.814	ug/l	99
10) Methyl Iodide	3.91	142	87438	53.148	ug/l	99
11) Tert butyl alcohol	4.72	59	51913	202.843	ug/l	100
12) 1,1-Dichloroethene	3.69	96	64638	50.739	ug/l	98
13) Acrolein	3.56	56	36635	214.804	ug/l	96
14) Allyl chloride	4.27	41	130622	55.299	ug/l	98
15) Acrylonitrile	4.92	53	182285	232.024	ug/l	100
16) Acetone	3.77	43	149282	200.953	ug/l	100
17) Carbon Disulfide	4.01	76	181705	51.635	ug/l	99
18) Methyl Acetate	4.27	43	103240	42.906	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	238620	49.020	ug/l	98
20) Methylene Chloride	4.50	84	73690	49.465	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	70017	50.474	ug/l	98
22) Diisopropyl ether	5.90	45	277511	50.664	ug/l	99
23) Vinyl Acetate	5.84	43	1114497	252.700	ug/l	100
24) 1,1-Dichloroethane	5.79	63	142761	49.883	ug/l	100
25) 2-Butanone	6.78	43	249191	220.424	ug/l	99
26) 2,2-Dichloropropane	6.77	77	129537	53.738	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	82373	50.601	ug/l	100
28) Bromochloromethane	7.15	49	67777	49.966	ug/l	99
29) Tetrahydrofuran	7.16	42	170011	223.247	ug/l	100
30) Chloroform	7.33	83	144129	49.696	ug/l	100
31) Cyclohexane	7.61	56	134502	48.394	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	127264	50.392	ug/l	99
36) 1,1-Dichloropropene	7.75	75	109184	53.155	ug/l	100
37) Ethyl Acetate	6.88	43	111978	46.502	ug/l	99
38) Carbon Tetrachloride	7.73	117	92445	56.279	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	126696	51.805	ug/l	99
40) Benzene	8.00	78	309700	50.608	ug/l	100
41) Methacrylonitrile	7.12	41	54323	54.333	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	121813	52.544	ug/l	100
43) Isopropyl Acetate	8.12	43	196290	49.117	ug/l	100
44) Trichloroethene	8.80	130	84010	50.783	ug/l	98
45) 1,2-Dichloropropane	9.08	63	83725	51.211	ug/l	98
46) Dibromomethane	9.17	93	53509	52.860	ug/l	98
47) Bromodichloromethane	9.37	83	113921	52.432	ug/l	98
48) Methyl methacrylate	9.16	41	88059	48.830	ug/l	99
49) 1,4-Dioxane	9.16	88	16656	813.651	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	560743	238.375	ug/l	100
52) Toluene	10.12	92	195397	53.011	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	131083	53.542	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	137815	53.246	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	75159	51.120	ug/l	97
56) Ethyl methacrylate	10.40	69	118149	46.328	ug/l	99
57) 1,3-Dichloropropane	10.68	76	133624	51.706	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	270912	227.643	ug/l	100
59) 2-Hexanone	10.72	43	405037	236.672	ug/l	100
60) Dibromochloromethane	10.87	129	80337	52.172	ug/l	99
61) 1,2-Dibromoethane	10.98	107	75545	51.265	ug/l	99
64) Tetrachloroethene	10.60	164	86670	51.630	ug/l	100
65) Chlorobenzene	11.41	112	200016	52.024	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	72322	52.558	ug/l	99
67) Ethyl Benzene	11.48	91	385321	53.538	ug/l	100
68) m/p-Xylenes	11.59	106	282246	107.139	ug/l	98
69) o-Xylene	11.92	106	135117	53.395	ug/l	100
70) Styrene	11.94	104	229246	54.128	ug/l	99
71) Bromoform	12.10	173	52416	51.829	ug/l #	99
73) Isopropylbenzene	12.22	105	370430	53.490	ug/l	99
74) N-amyl acetate	12.04	43	177788	50.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	106413	49.280	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	101661m	51.189	ug/l	
77) Bromobenzene	12.50	156	83512	52.240	ug/l	99
78) n-propylbenzene	12.56	91	445522	54.239	ug/l	100
79) 2-Chlorotoluene	12.65	91	256576	53.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	315055	54.967	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	39259	50.200	ug/l	99
82) 4-Chlorotoluene	12.75	91	272853	53.621	ug/l	99
83) tert-Butylbenzene	12.97	119	259864	53.769	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	313783	53.137	ug/l	99
85) sec-Butylbenzene	13.15	105	360552	54.719	ug/l	100
86) p-Isopropyltoluene	13.26	119	329532	55.507	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	156618	53.218	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	156708	52.115	ug/l	100
89) n-Butylbenzene	13.59	91	308828	56.744	ug/l	99
90) Hexachloroethane	13.85	117	28002	45.949	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	147309	52.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21730	47.648	ug/l	99

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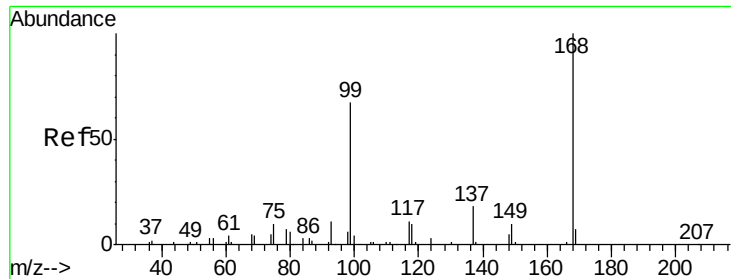
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	93577	54.458	ug/l	100
94) Hexachlorobutadiene	14.98	225	41163	57.341	ug/l	98
95) Naphthalene	15.10	128	280846	50.186	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	88535	52.186	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 168 Resp: 120742

Ion Ratio Lower Upper

168 100

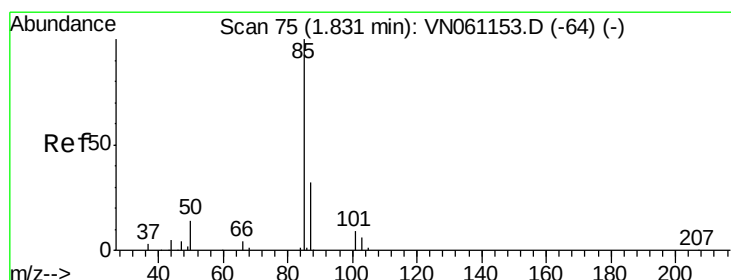
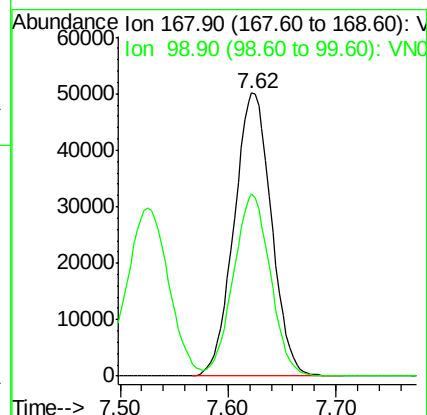
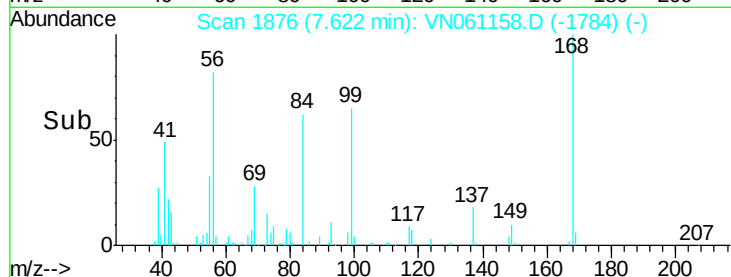
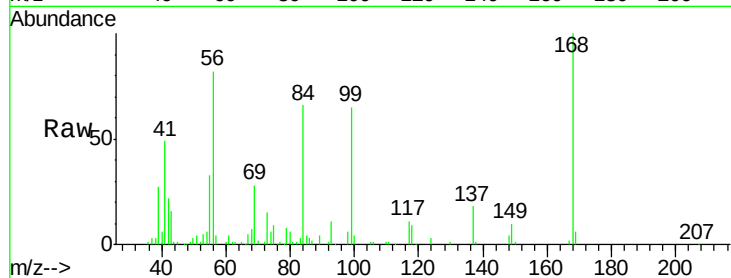
99 64.5 51.2 76.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.346 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061158.D

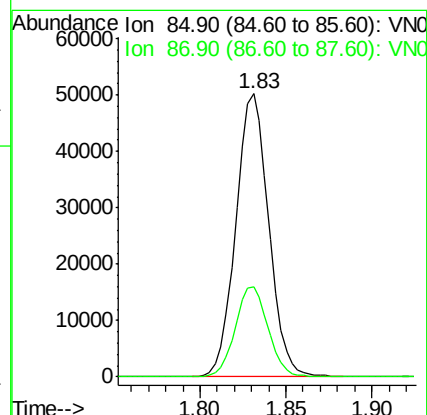
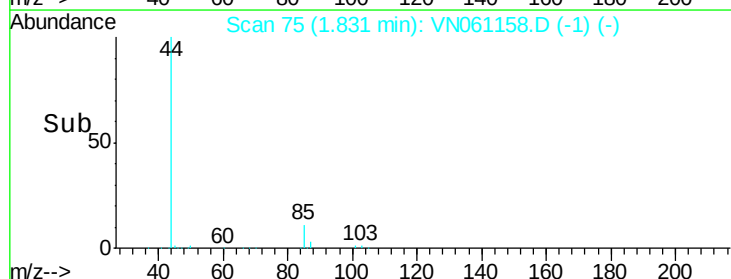
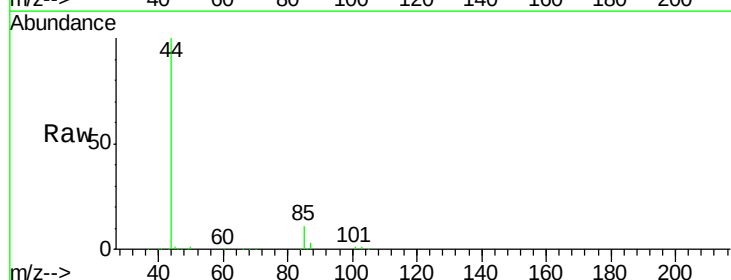
Acq: 28 Apr 2020 12:45

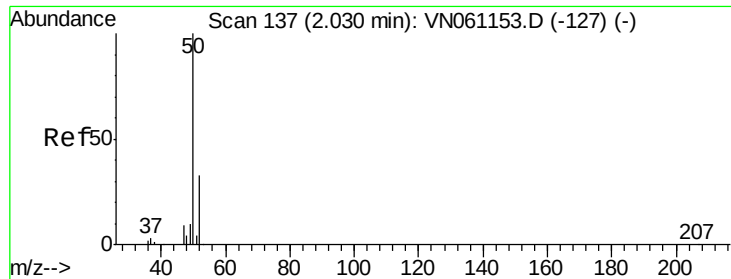
Tgt Ion: 85 Resp: 67022

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2





#3

Chloromethane

Concen: 48.774 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 75633

Ion Ratio Lower Upper

50 100

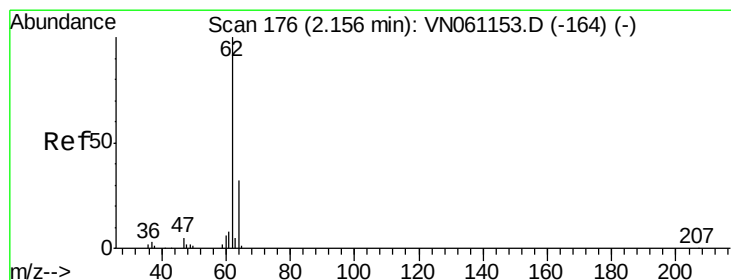
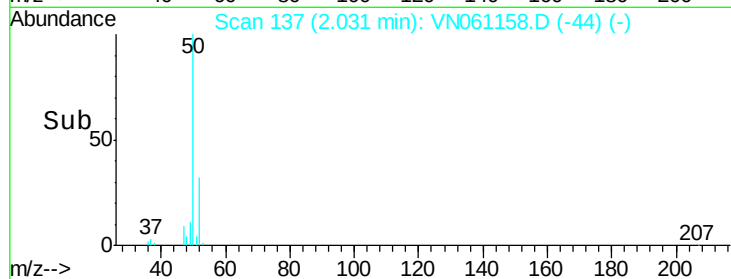
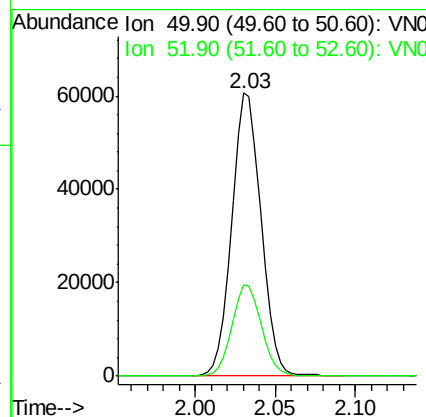
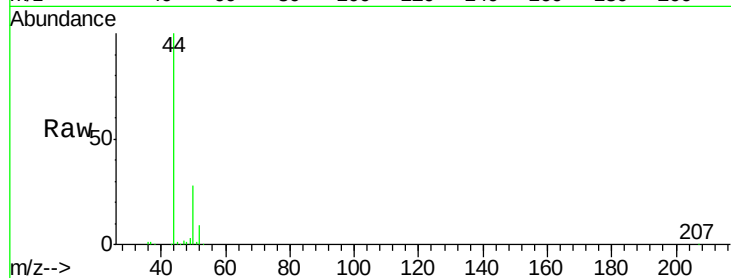
52 32.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.482 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061158.D

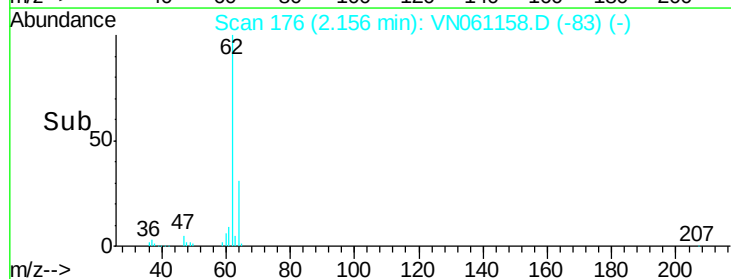
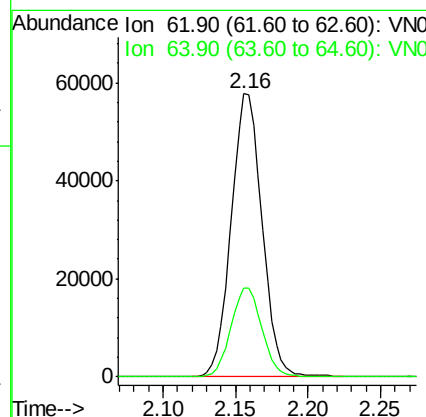
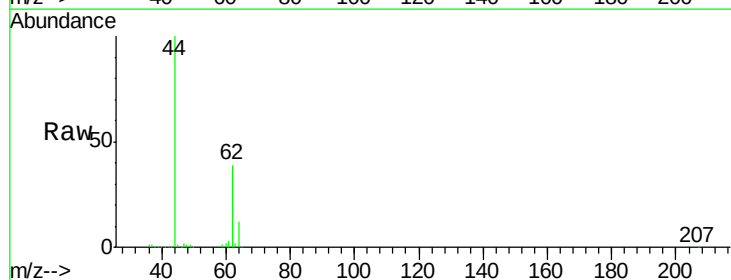
Acq: 28 Apr 2020 12:45

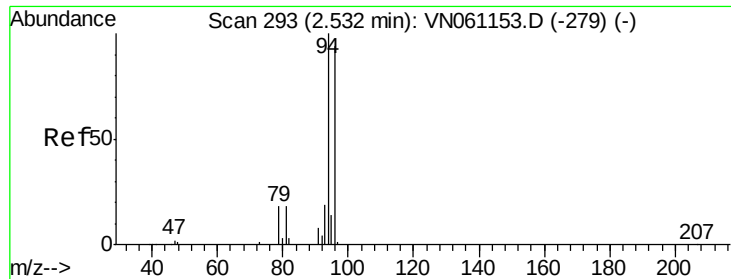
Tgt Ion: 62 Resp: 85391

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 49.854 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 43404

Ion Ratio Lower Upper

94 100

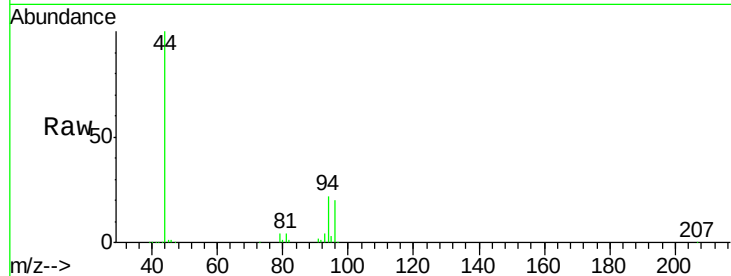
96 90.0 75.1 112.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

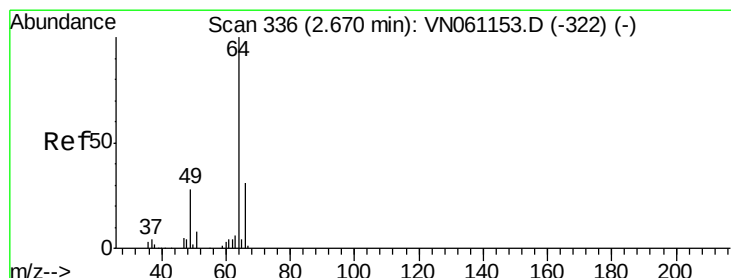
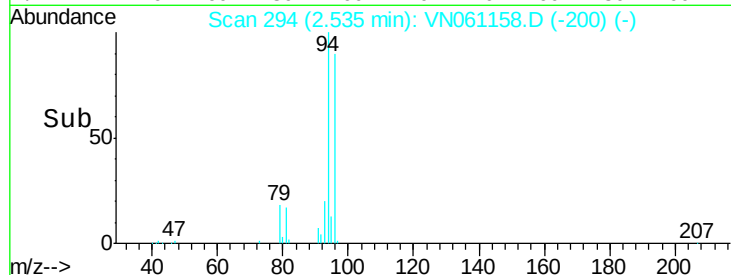
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 48.632 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061158.D

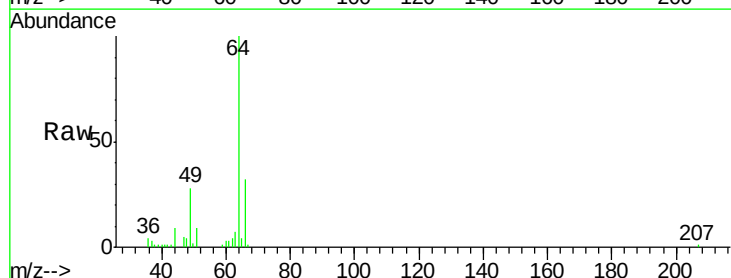
Acq: 28 Apr 2020 12:45

Tgt Ion: 64 Resp: 54291

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

30000

25000

20000

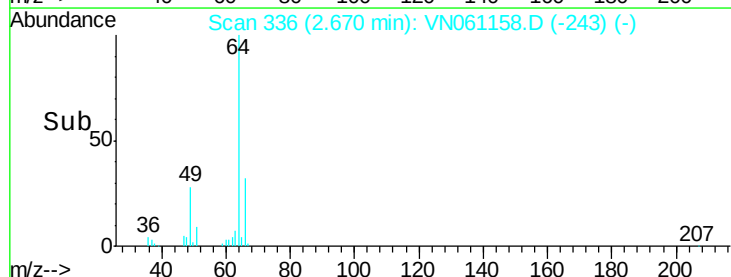
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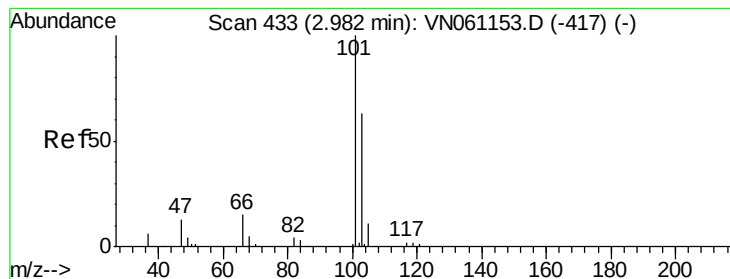
10000

5000

0

Time-->





#7

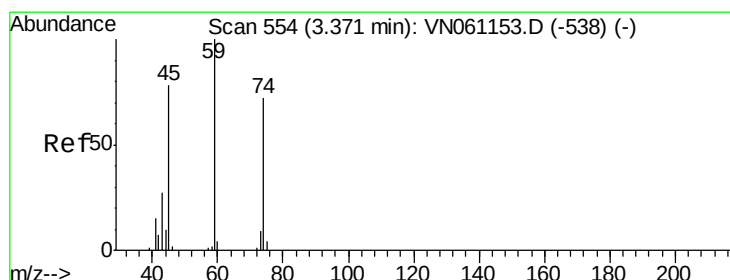
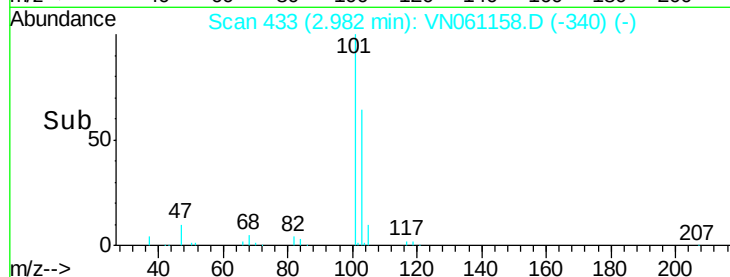
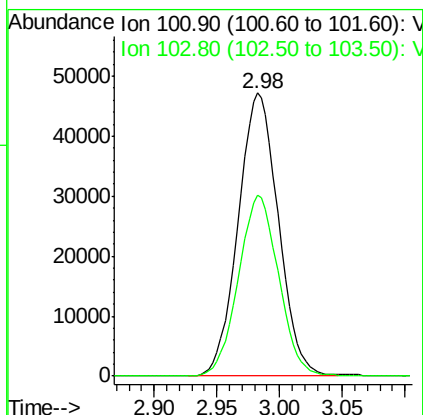
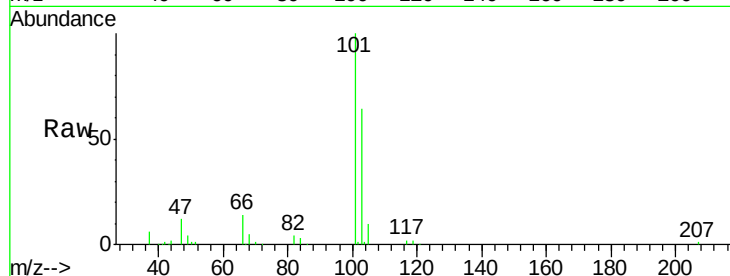
Trichlorofluoromethane
Concen: 52.958 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061158.D
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.6	76.0

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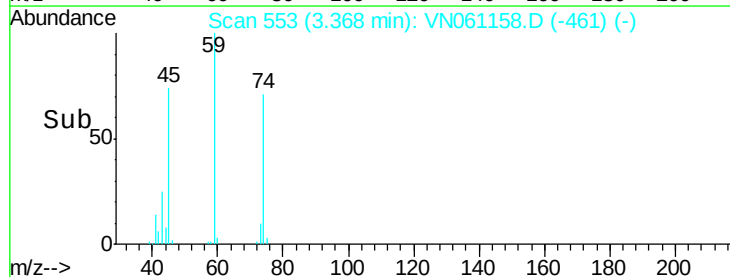
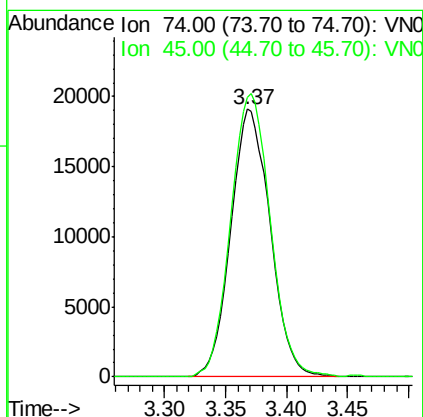
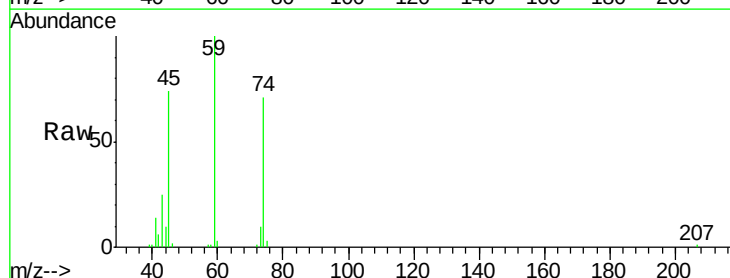
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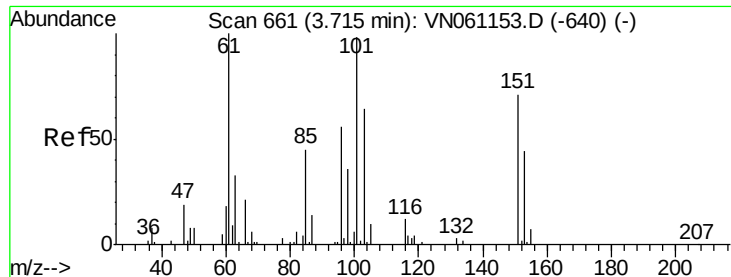


#8

Diethyl Ether
Concen: 51.578 ug/l
RT: 3.37 min Scan# 553
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.814 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

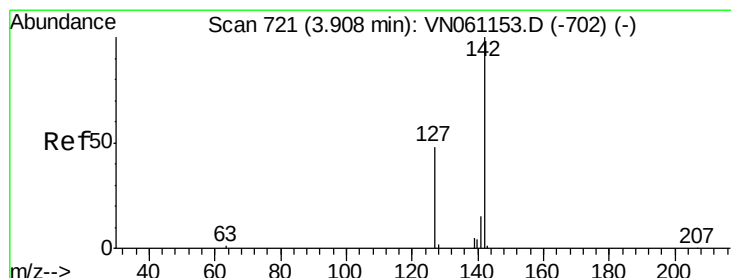
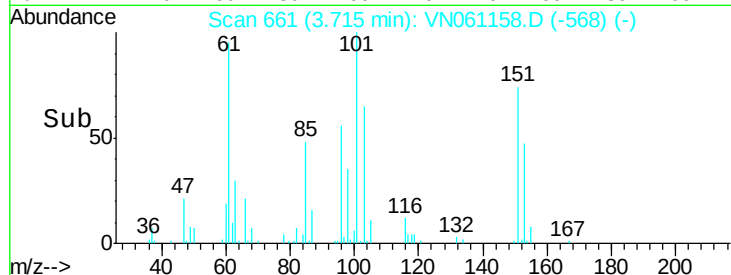
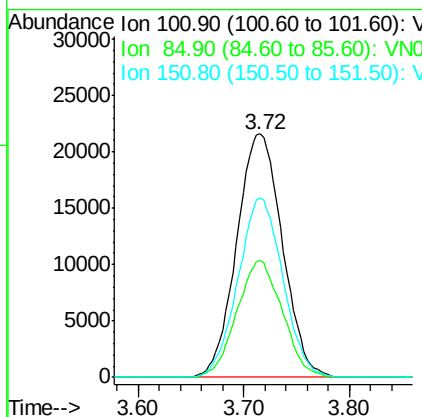
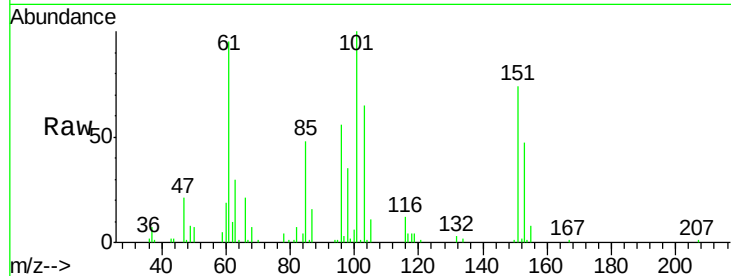
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	65050
Ion Ratio	Lower	Upper	
101	100		
85	47.5	37.2	55.8
151	72.3	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 53.148 ug/l

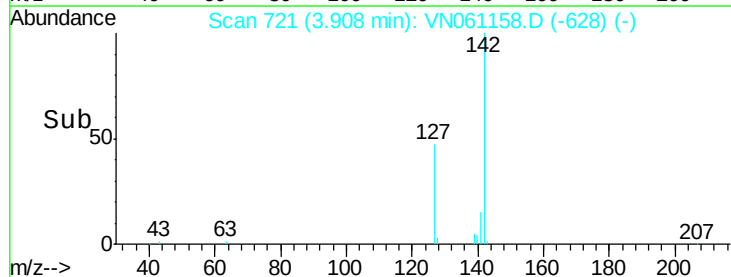
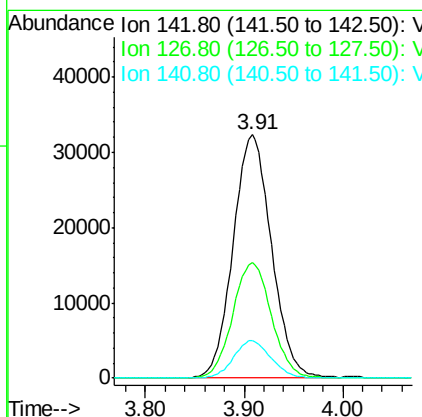
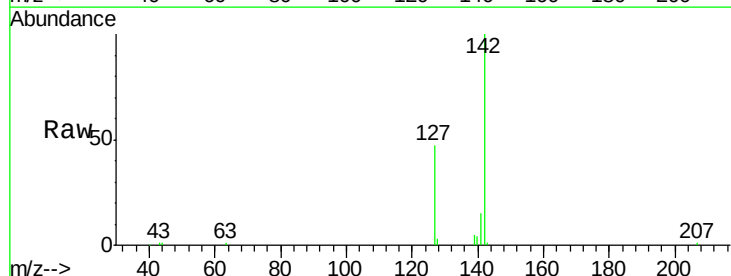
RT: 3.91 min Scan# 721

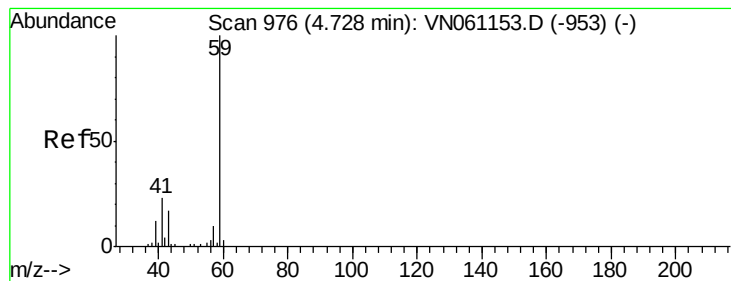
Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion:	142	Resp:	87438
Ion Ratio	Lower	Upper	
142	100		
127	47.9	38.0	57.0
141	14.9	11.7	17.5





#11

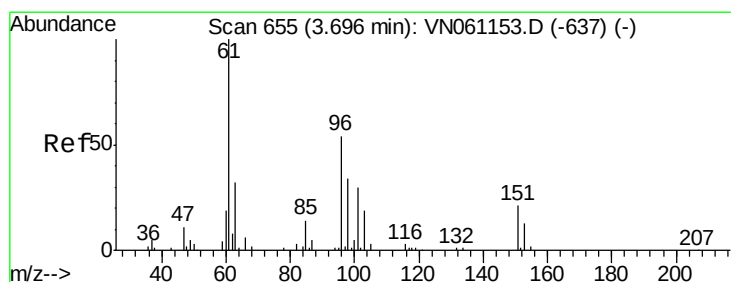
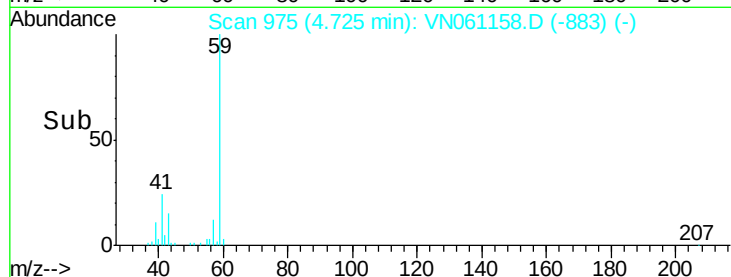
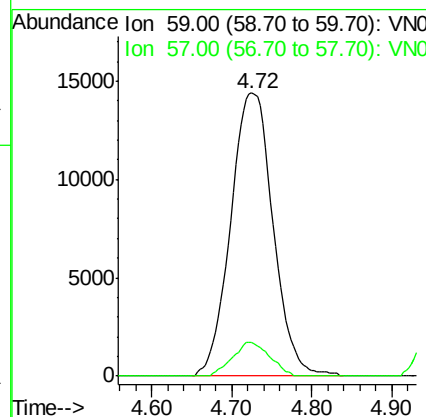
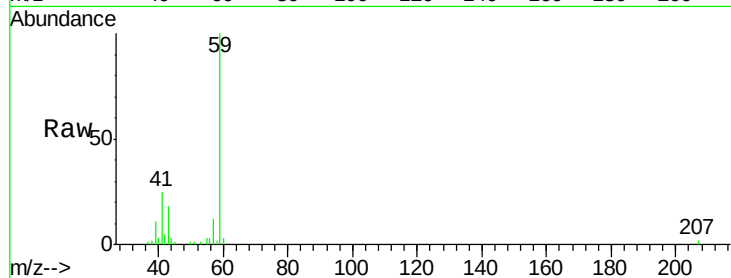
Tert butyl alcohol
Concen: 202.843 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
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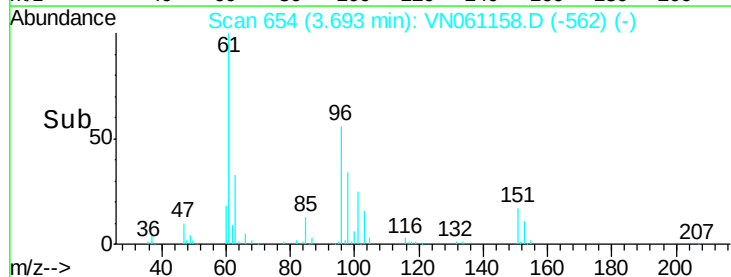
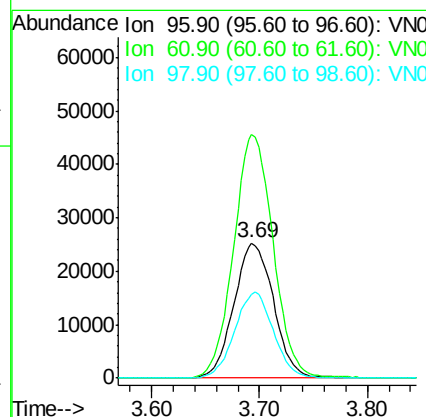
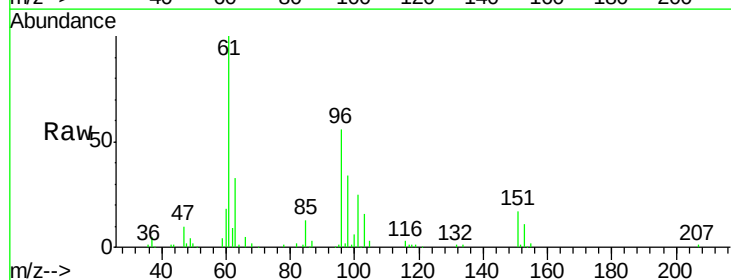
MMDadoda
4/29/2020 2:58:06 PM

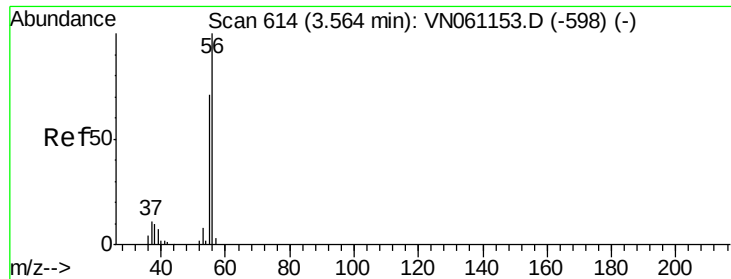


#12

1,1-Dichloroethene
Concen: 50.739 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.0	147.0	220.6
98	61.8	49.8	74.6





#13

Acrolein

Concen: 214.804 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 36635

Ion Ratio Lower Upper

56 100

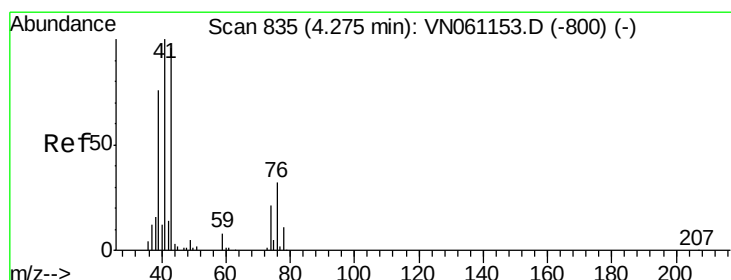
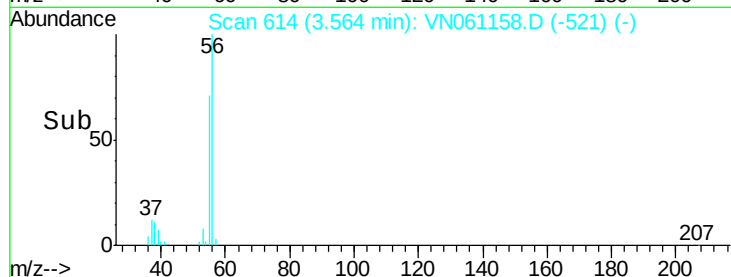
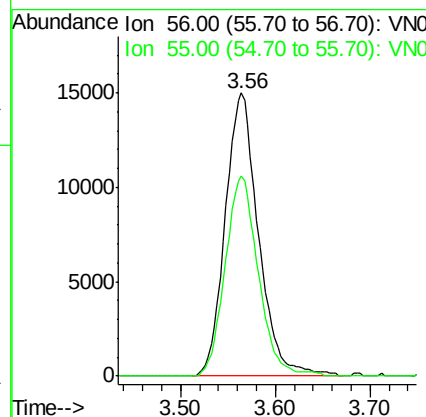
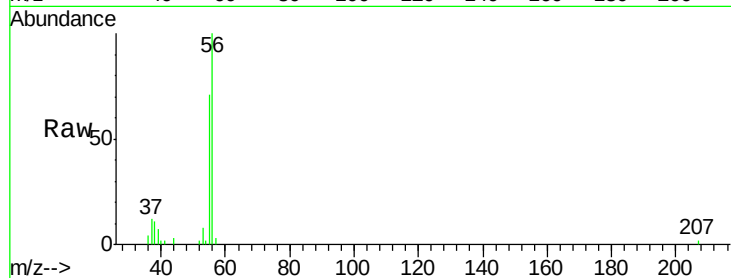
55 69.7 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 55.299 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

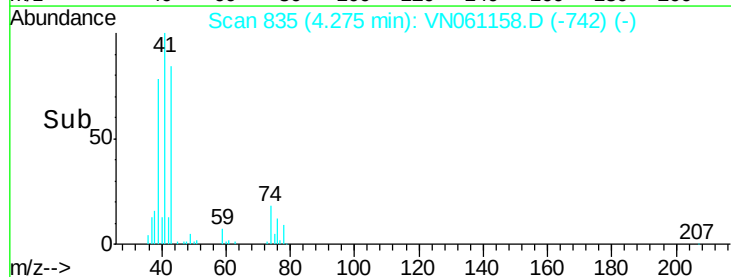
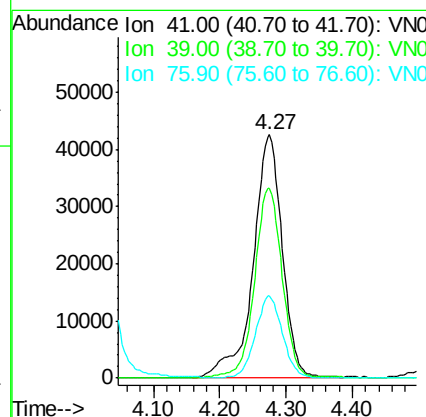
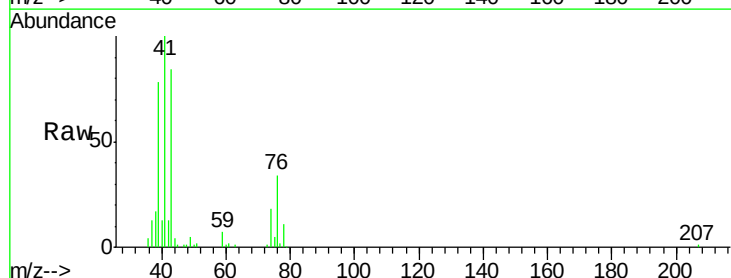
Tgt Ion: 41 Resp: 130622

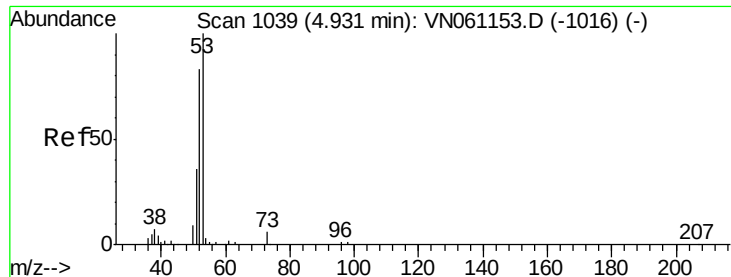
Ion Ratio Lower Upper

41 100

39 73.4 57.1 85.7

76 31.1 24.3 36.5





#15

Acrylonitrile

Concen: 232.024 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

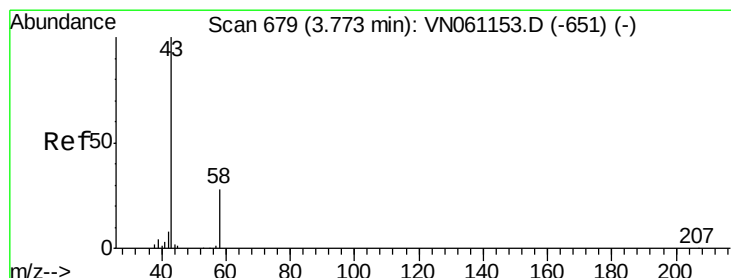
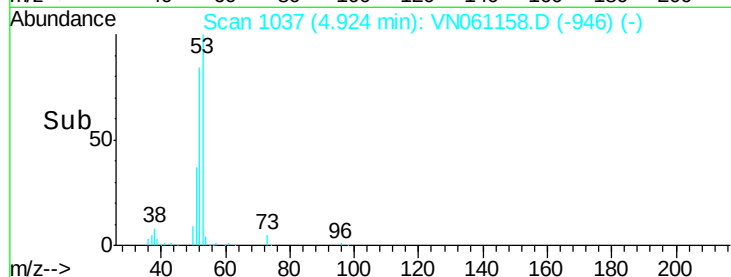
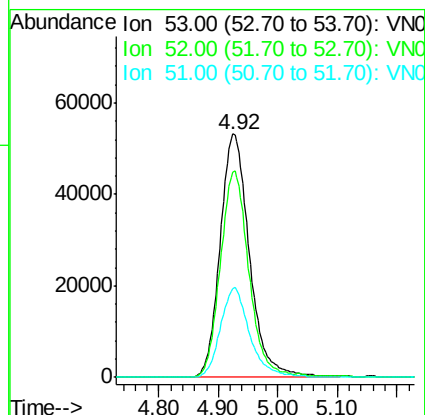
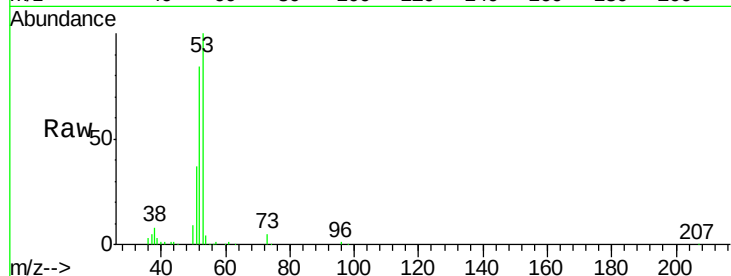
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	182285
Ion Ratio		Lower	Upper
53	100		
52	81.7	65.4	98.0
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 200.953 ug/l

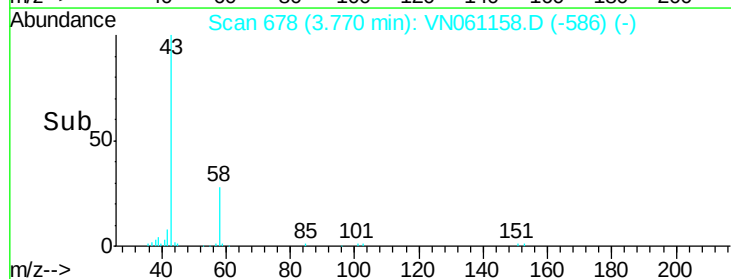
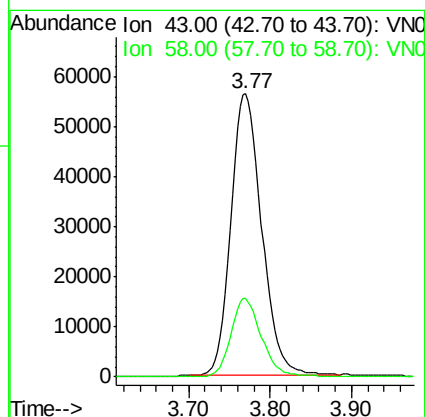
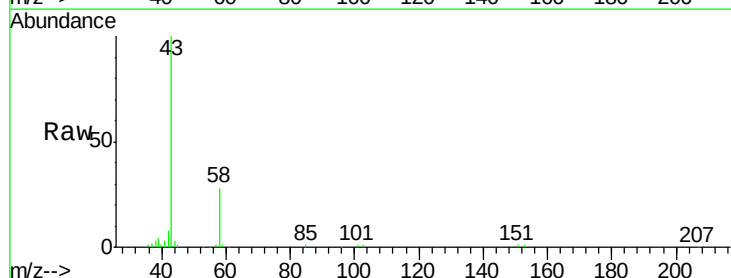
RT: 3.77 min Scan# 678

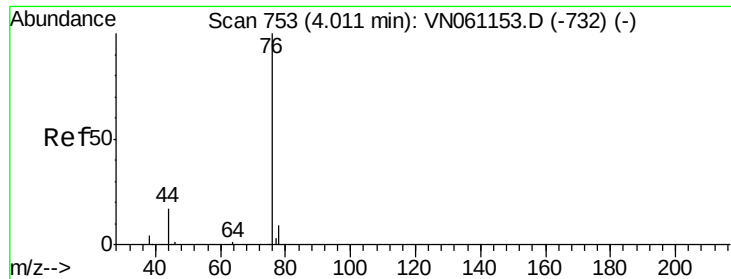
Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion:	43	Resp:	149282
Ion Ratio		Lower	Upper
43	100		
58	27.7	22.2	33.2





#17

Carbon Disulfide

Concen: 51.635 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 181705

Ion Ratio Lower Upper

76 100

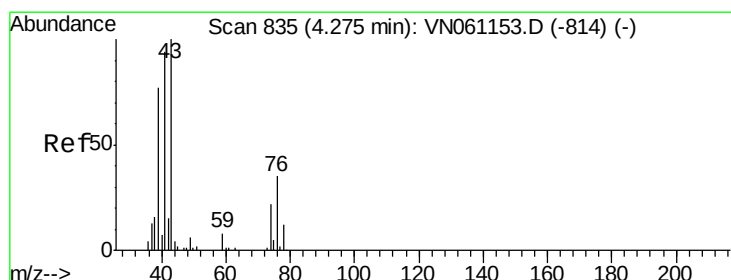
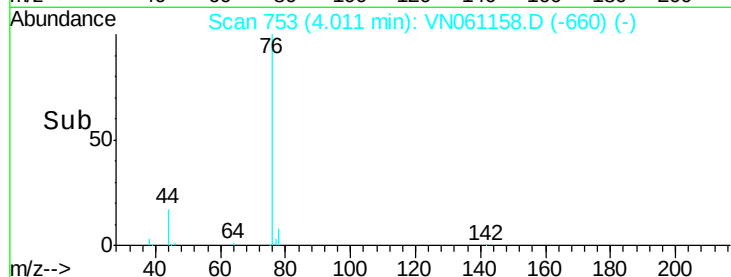
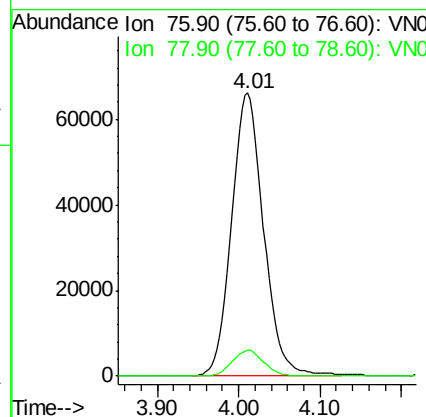
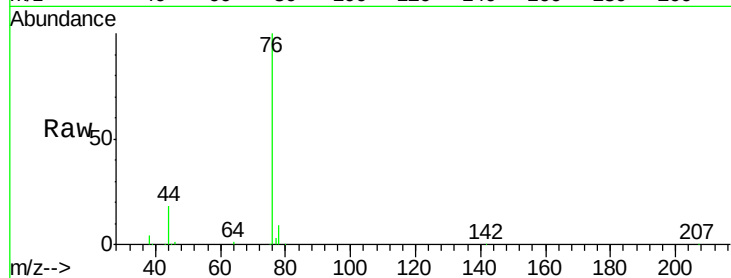
78 9.2 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 42.906 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061158.D

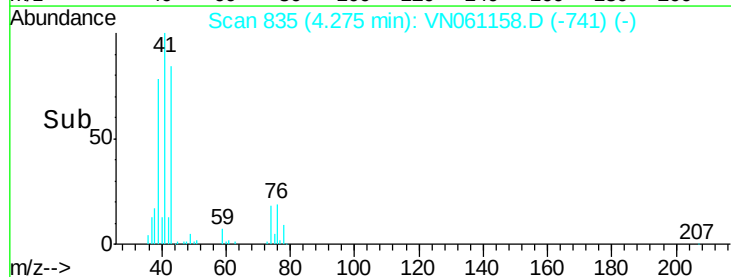
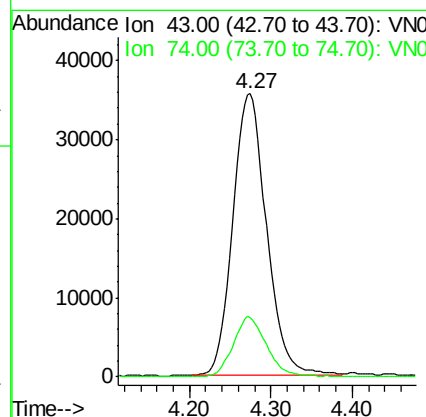
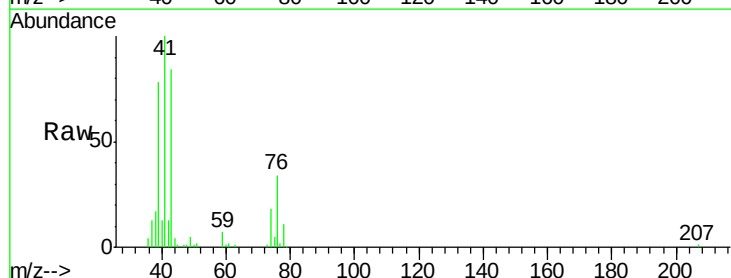
Acq: 28 Apr 2020 12:45

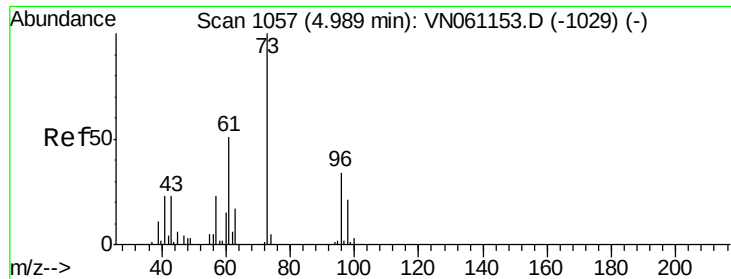
Tgt Ion: 43 Resp: 103240

Ion Ratio Lower Upper

43 100

74 20.9 17.0 25.4





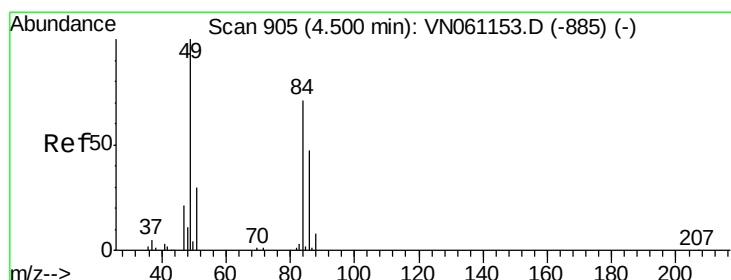
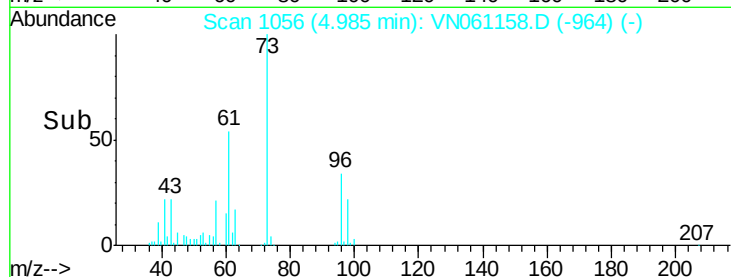
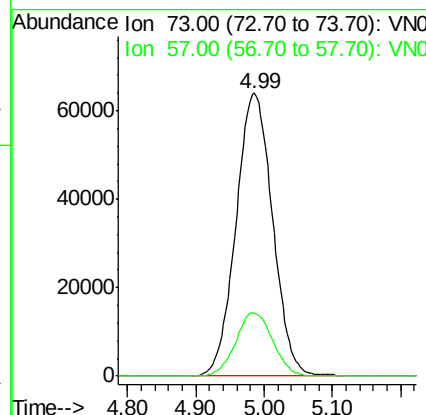
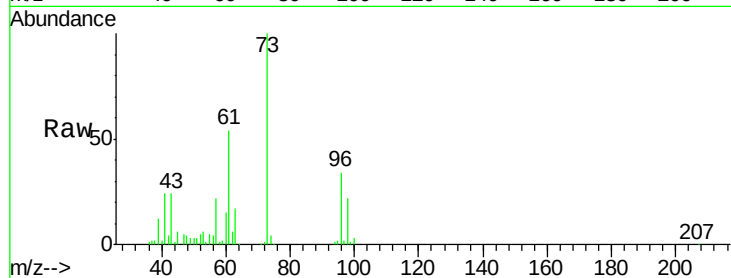
#19
Methvl tert-butyl Ether
Concen: 49.020 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 238620
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

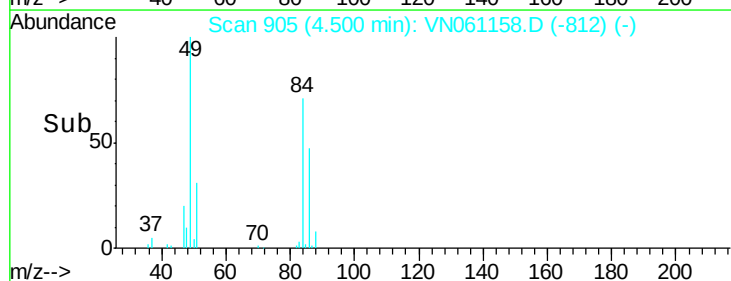
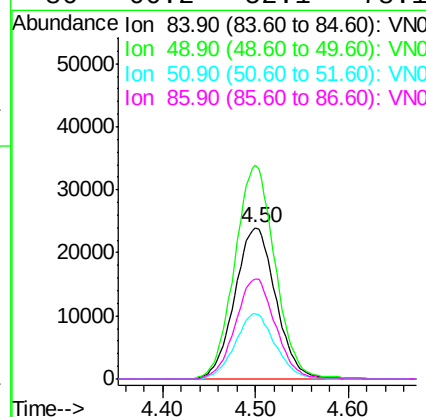
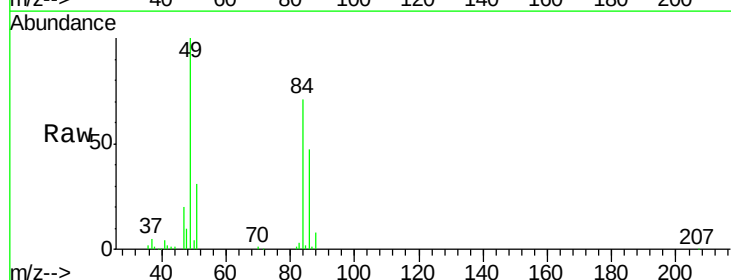
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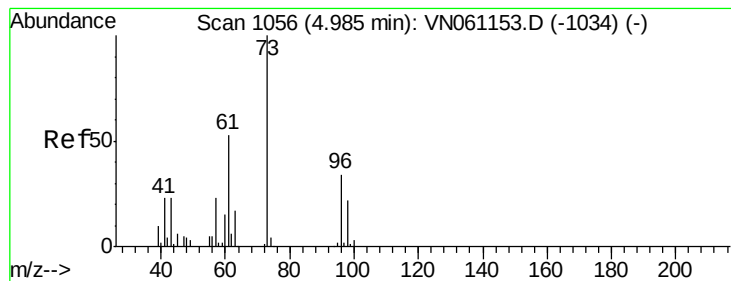
MMDadoda
4/29/2020 2:58:06 PM



#20
Methylene Chloride
Concen: 49.465 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 84 Resp: 73690
Ion Ratio Lower Upper
84 100
49 141.4 112.0 168.0
51 43.4 33.6 50.4
86 66.2 52.1 78.1





#21

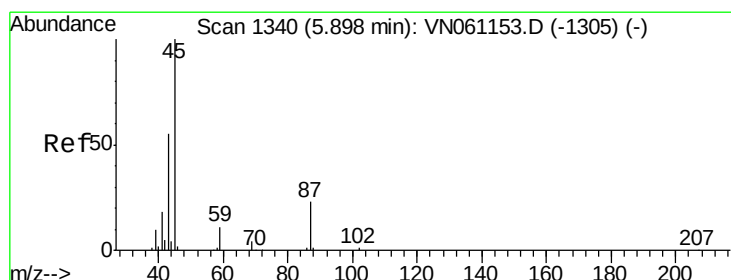
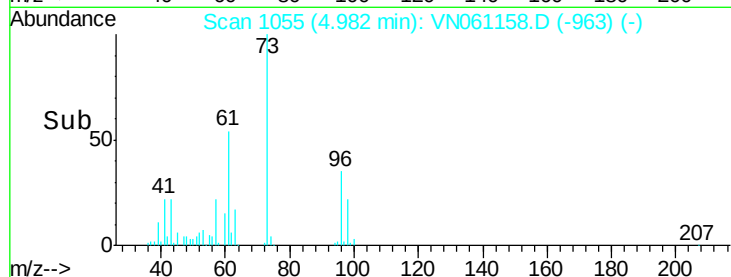
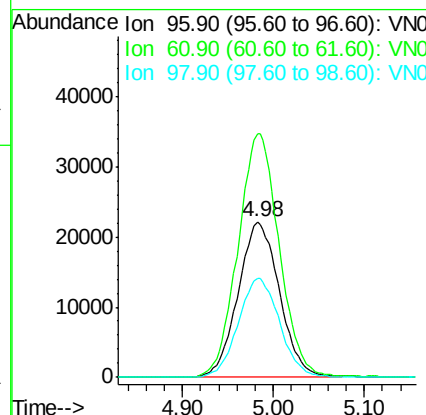
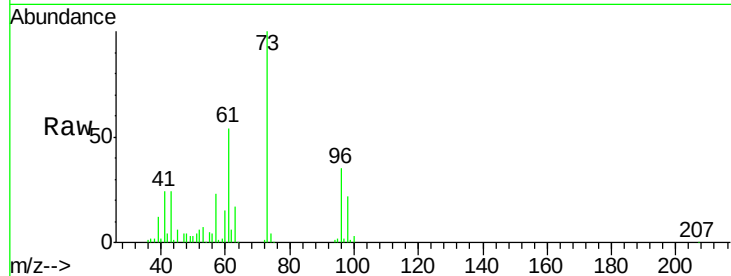
trans-1,2-Dichloroethene
Concen: 50.474 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	123.0	184.4
98	63.8	50.1	75.1

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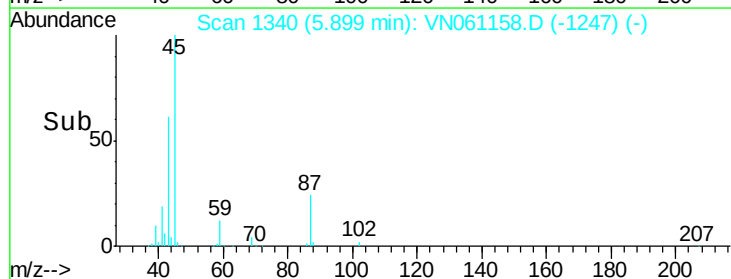
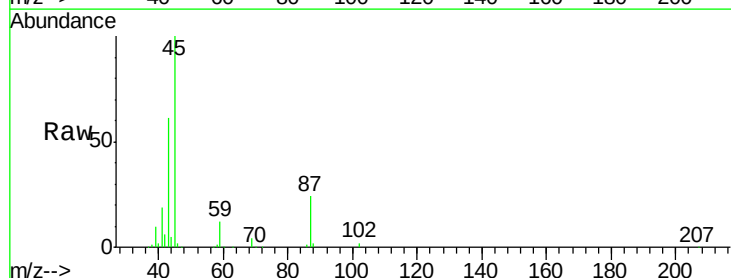
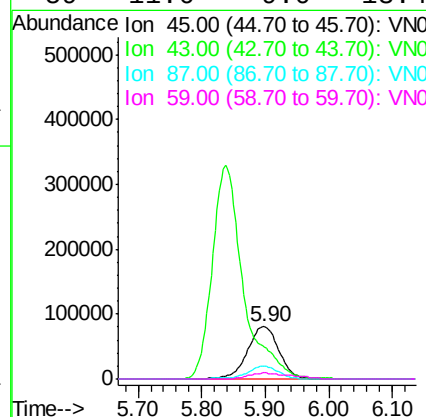
MMDadoda
4/29/2020 2:58:06 PM

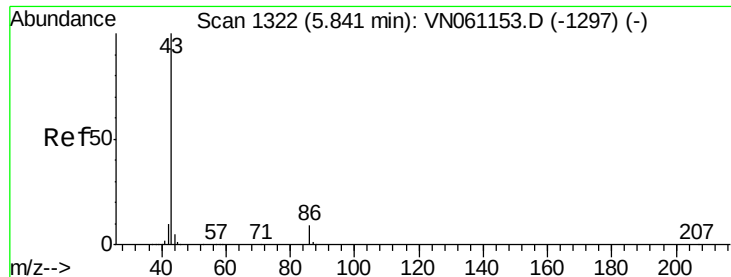


#22

Diisopropyl ether
Concen: 50.664 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.9	71.9
87	24.0	19.2	28.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 252.700 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1114497

Ion Ratio Lower Upper

43 100

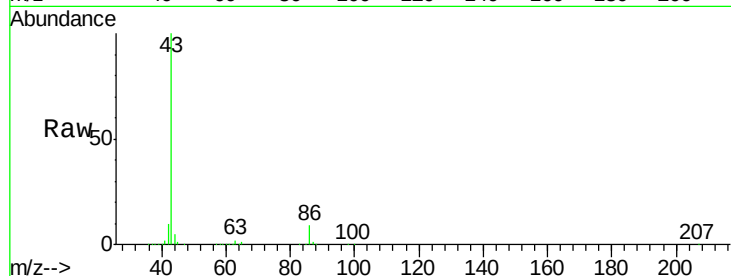
86 9.1 7.2 10.8

Manual Integrations

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4/29/2020 2:58:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VN061158.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061158.D (-1297) (-)

5.84

300000

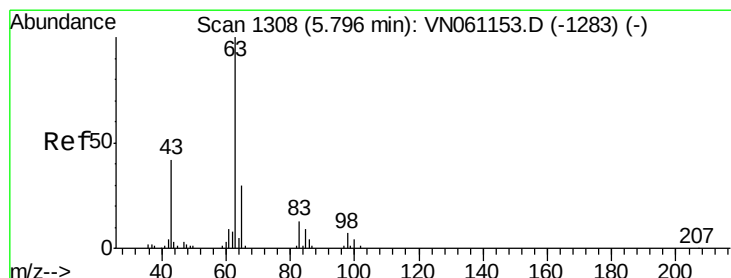
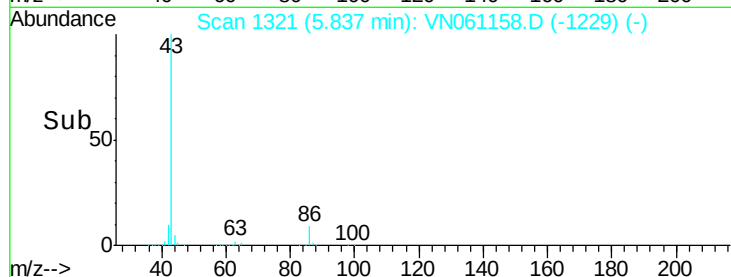
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.883 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

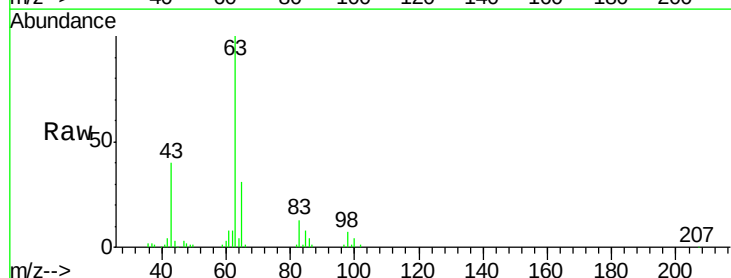
Tgt Ion: 63 Resp: 142761

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061158.D (-1215) (-)

Ion 97.90 (97.60 to 98.60): VN061158.D (-1215) (-)

Ion 99.90 (99.60 to 100.60): VN061158.D (-1215) (-)

5.79

60000

50000

40000

30000

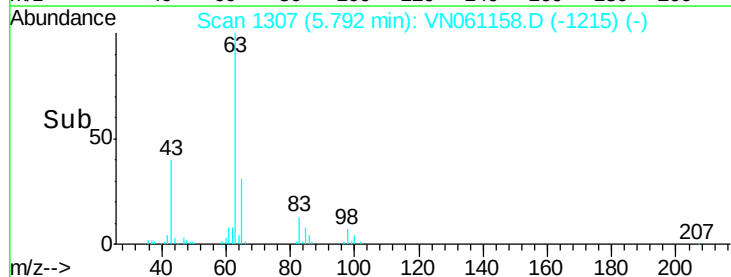
20000

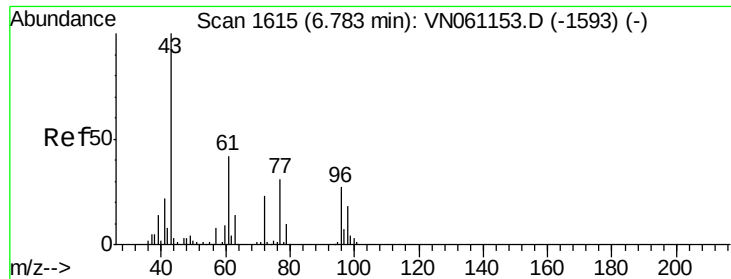
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 220.424 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 249191

Ion Ratio Lower Upper

43 100

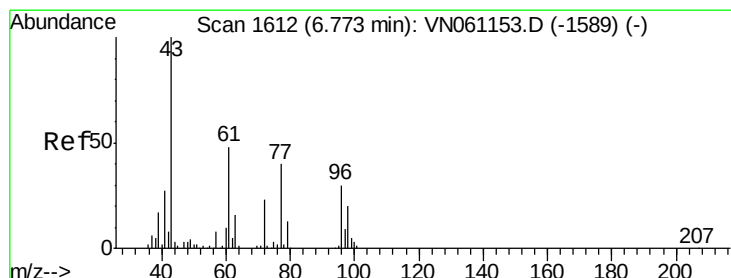
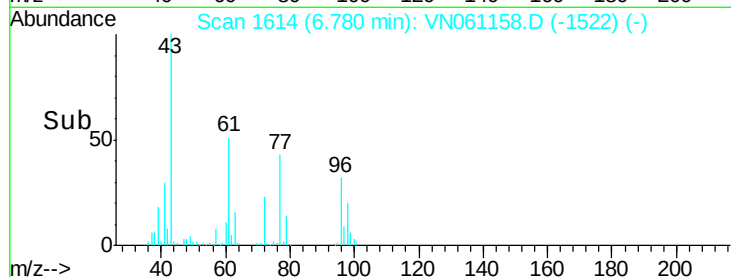
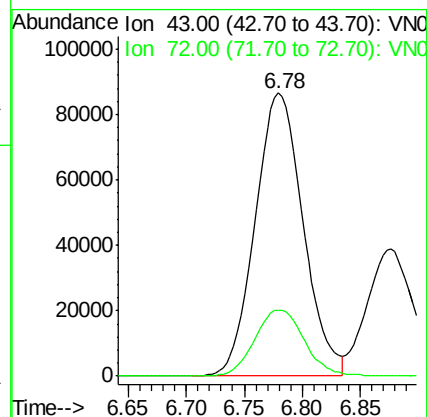
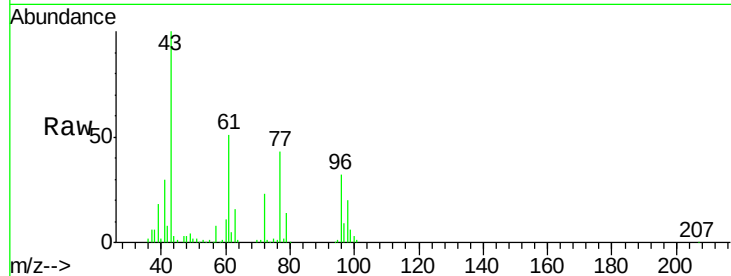
72 23.4 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

4/29/2020 2:58:06 PM



#26

2,2-Dichloropropane

Concen: 53.738 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061158.D

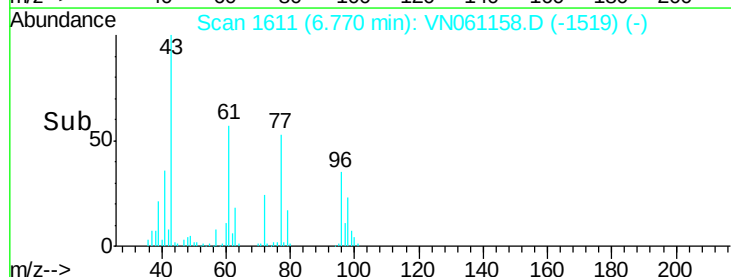
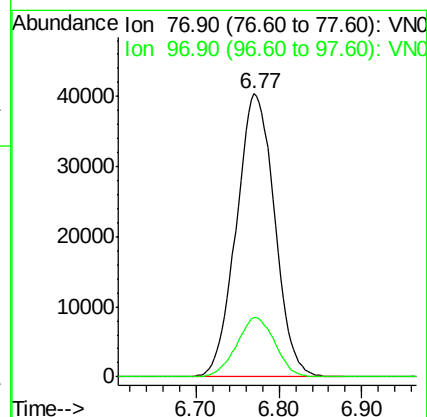
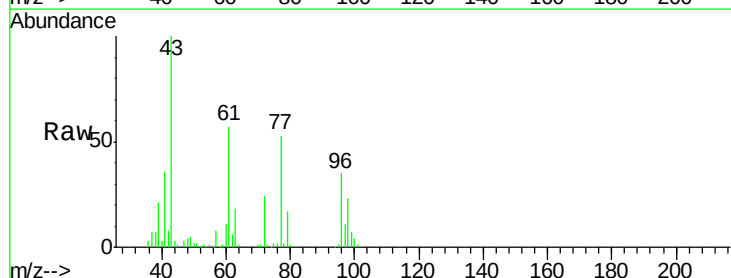
Acq: 28 Apr 2020 12:45

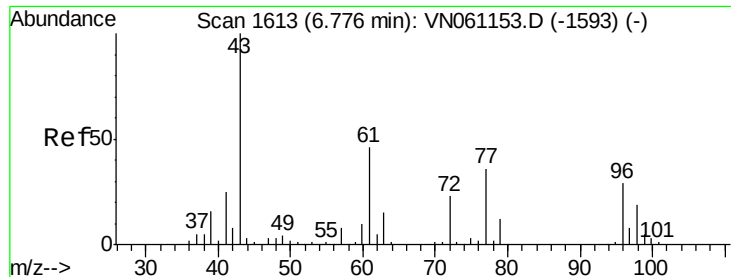
Tgt Ion: 77 Resp: 129537

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.5





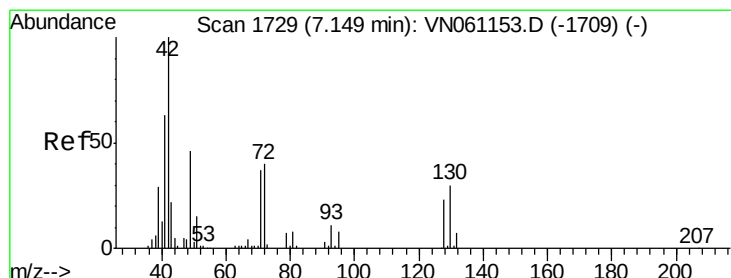
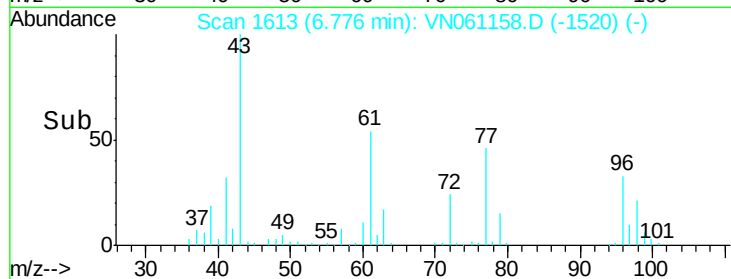
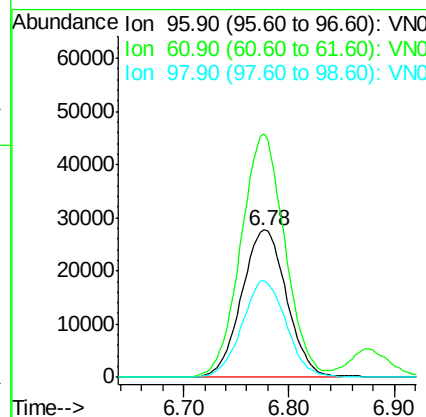
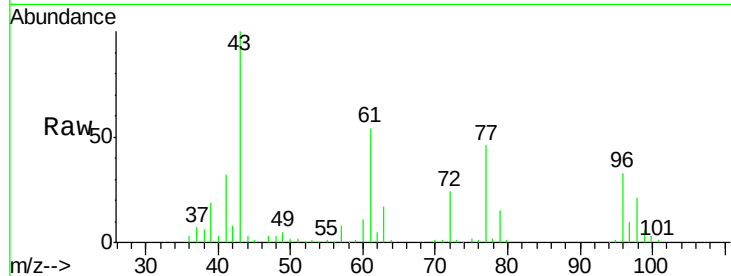
#27
 cis-1,2-Dichloroethene
 Concen: 50.601 ug/l
 RT: 6.78 min Scan# 1613
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	322.0
98	64.5	0.0	129.6

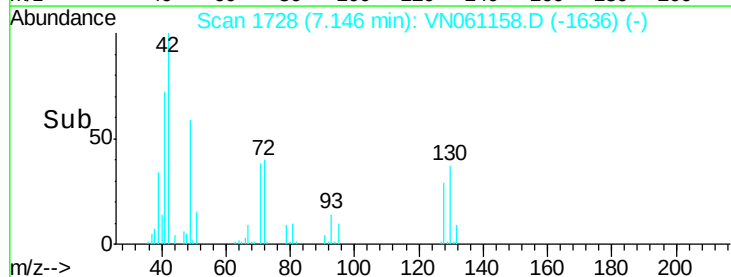
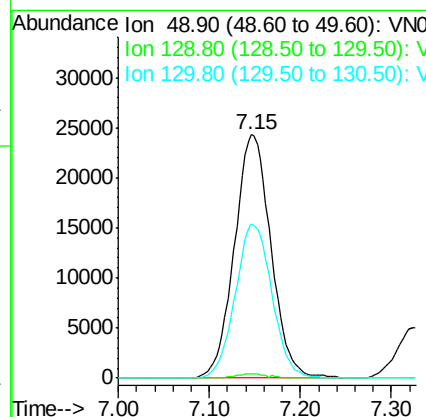
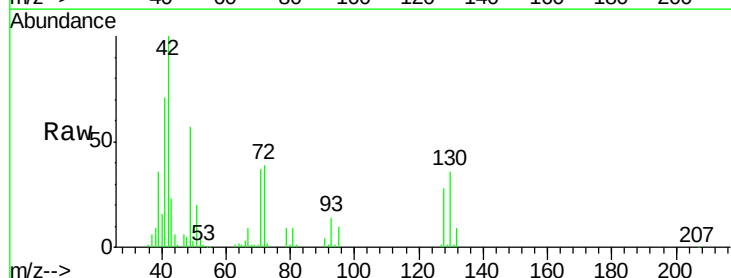
Manual Integrations
 APPROVED

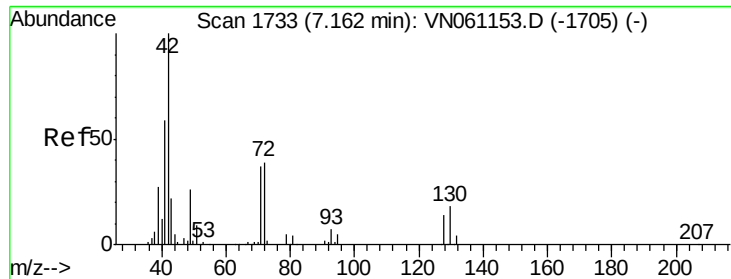
MMDadoda
 4/29/2020 2:58:06 PM



#28
 Bromochloromethane
 Concen: 49.966 ug/l
 RT: 7.15 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	63.3	51.4	77.2





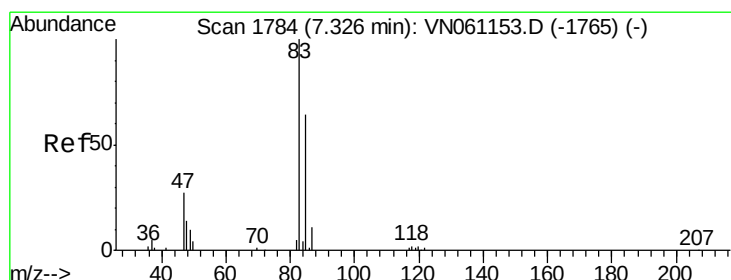
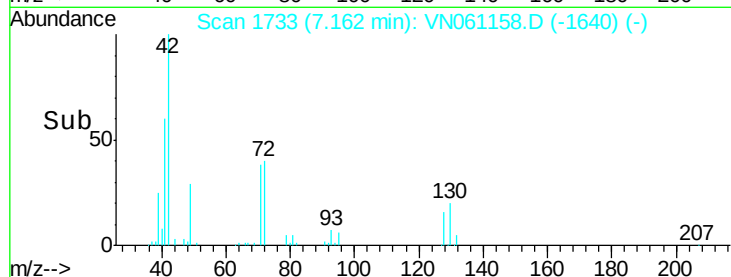
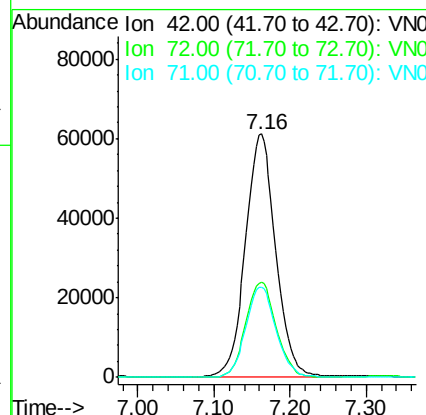
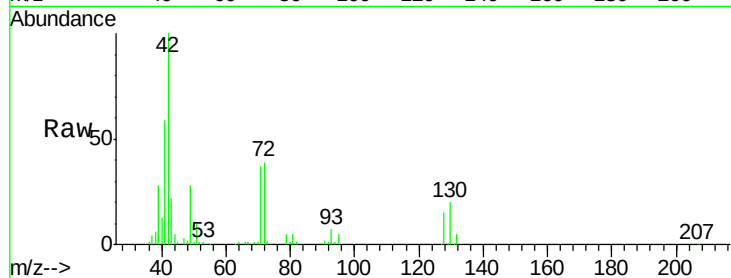
#29
Tetrahydrofuran
Concen: 223.247 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	36.9	29.5	44.3

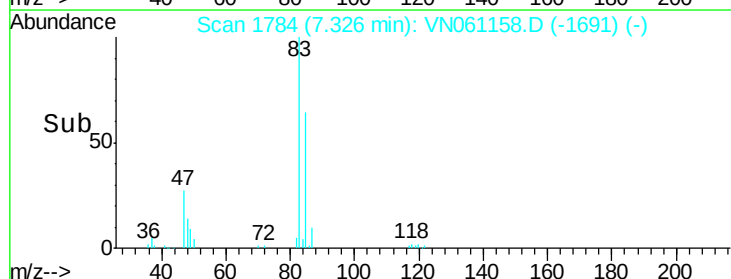
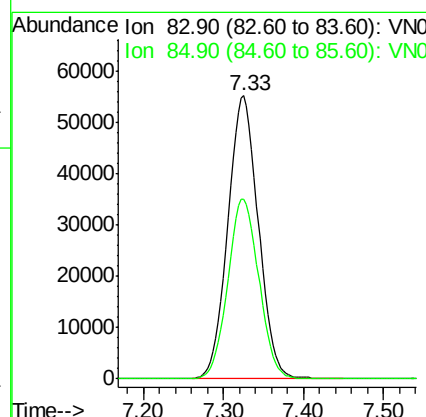
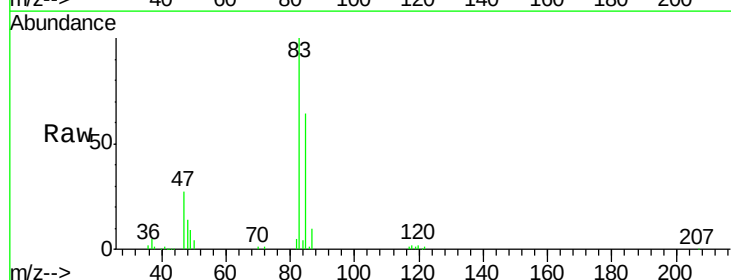
Manual Integrations
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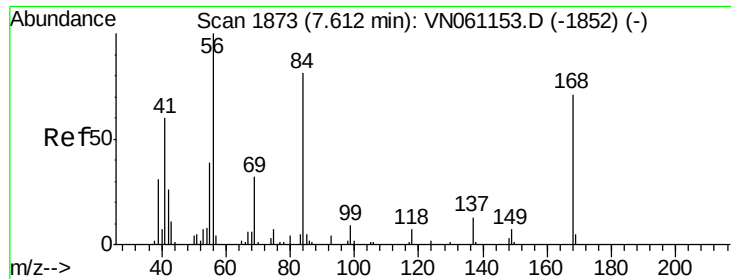
MMDadoda
4/29/2020 2:58:06 PM



#30
Chloroform
Concen: 49.696 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7





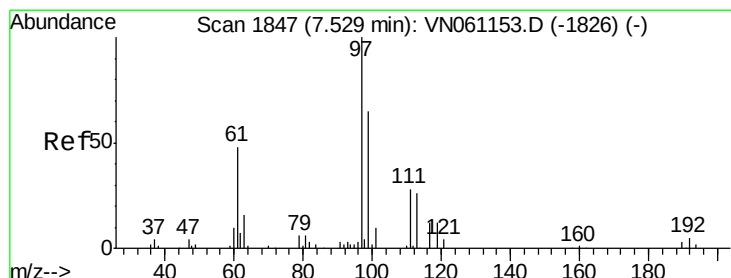
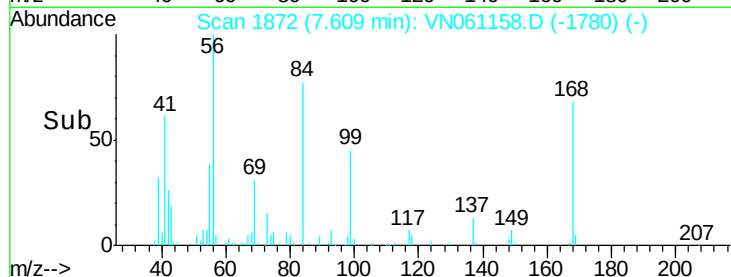
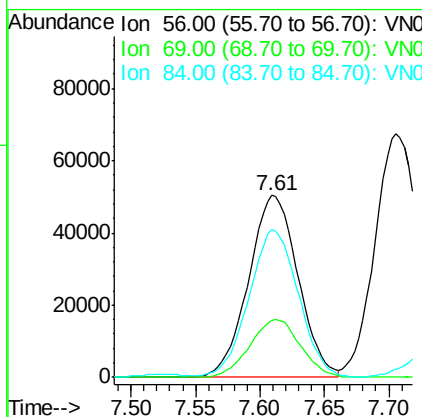
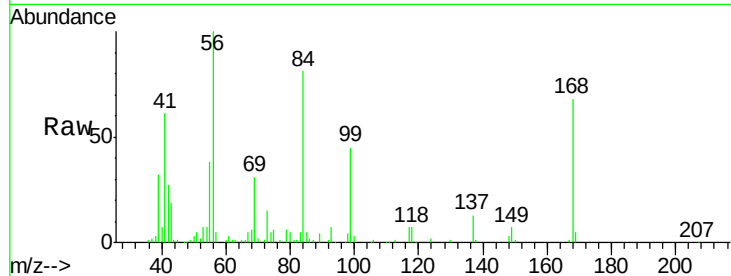
#31
Cyclohexane
Concen: 48.394 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.7	38.5
84	80.3	64.6	97.0

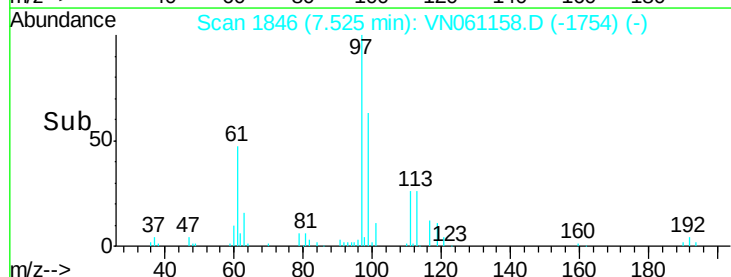
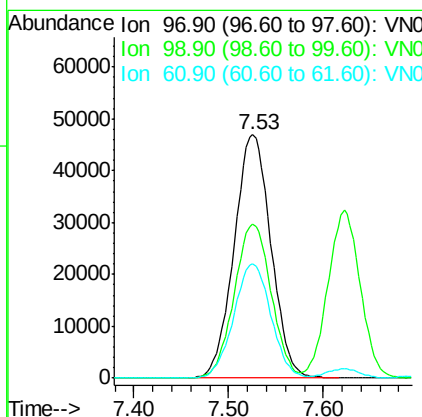
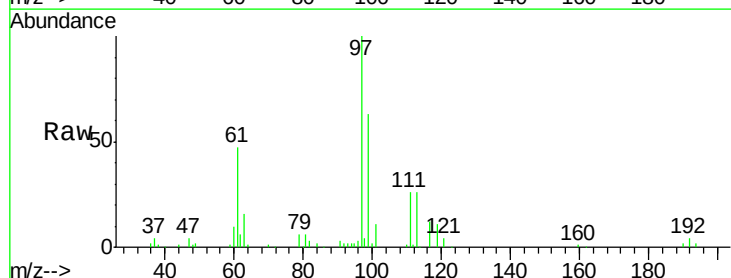
Manual Integrations
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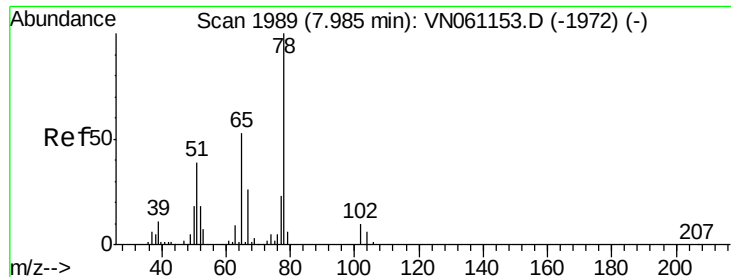
MMDadoda
4/29/2020 2:58:06 PM



#32
1,1,1-Trichloroethane
Concen: 50.392 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	47.2	38.6	57.8





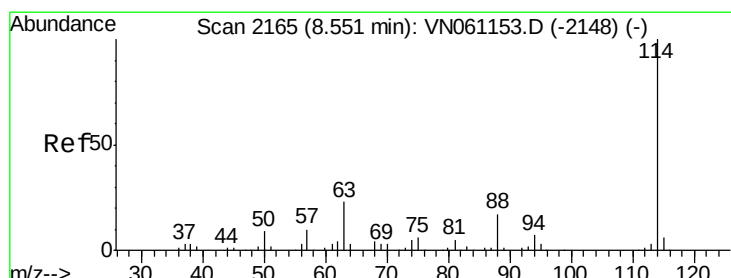
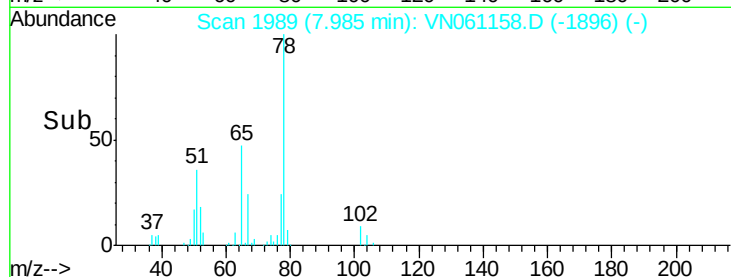
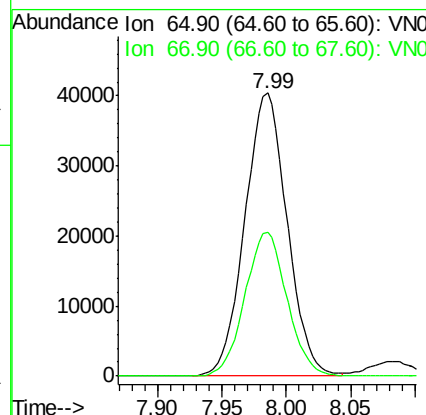
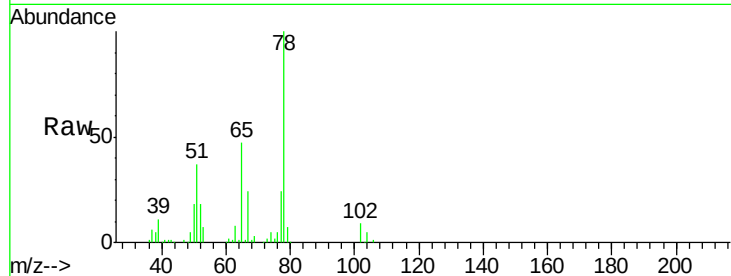
#33
 1,2-Dichloroethane-d4
 Concen: 48.327 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

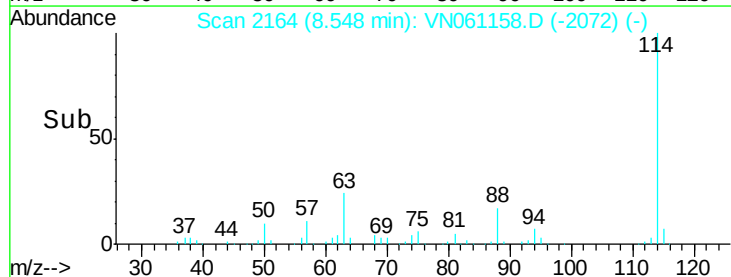
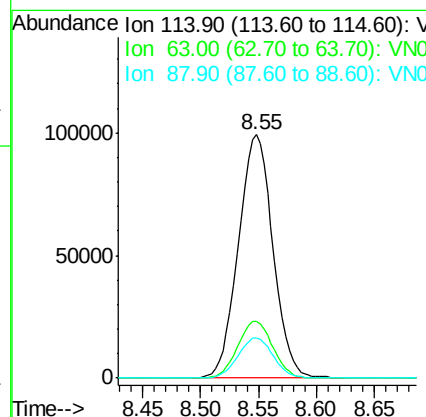
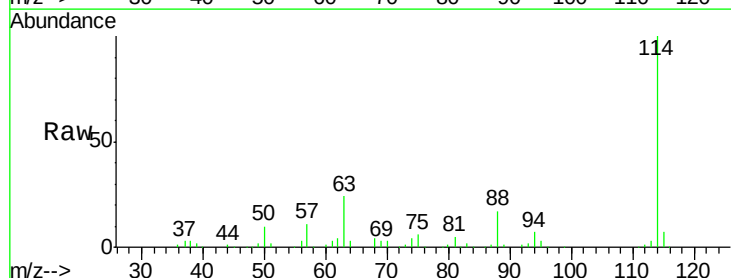
Manual Integrations
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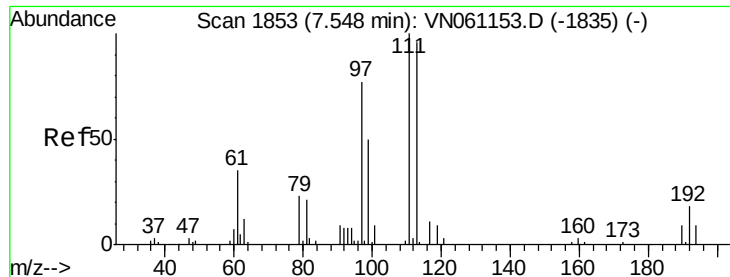
MMDadoda
 4/29/2020 2:58:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.6
88	16.7	0.0	33.4





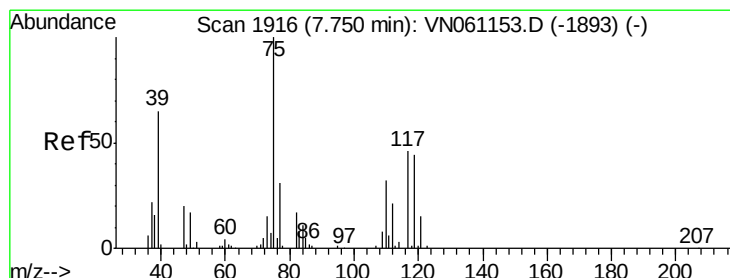
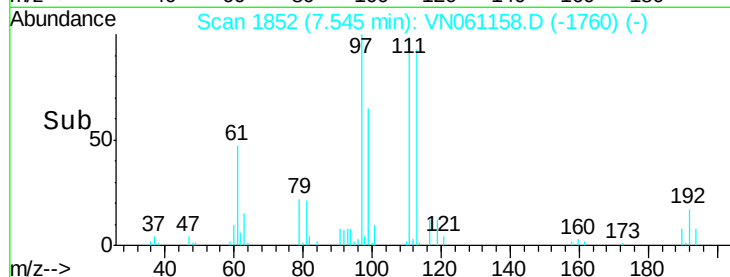
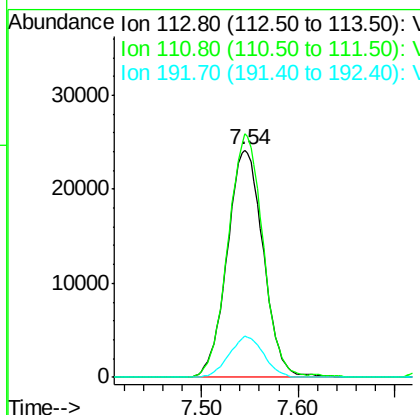
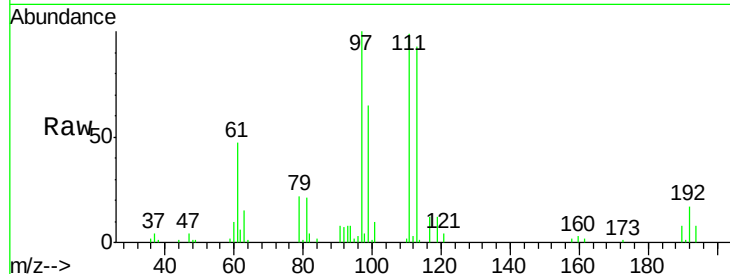
#35
 Dibromofluoromethane
 Concen: 51.546 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	17.3	14.7	22.1

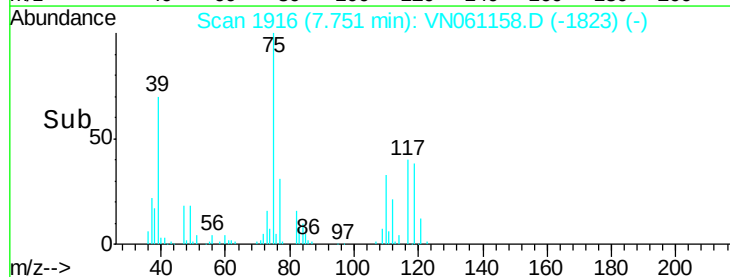
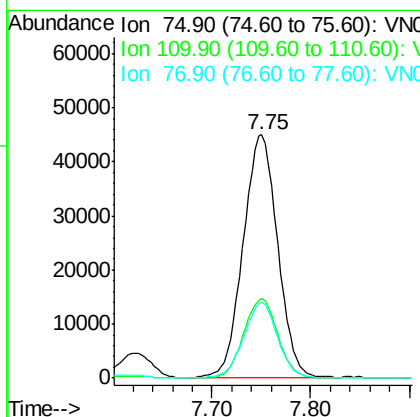
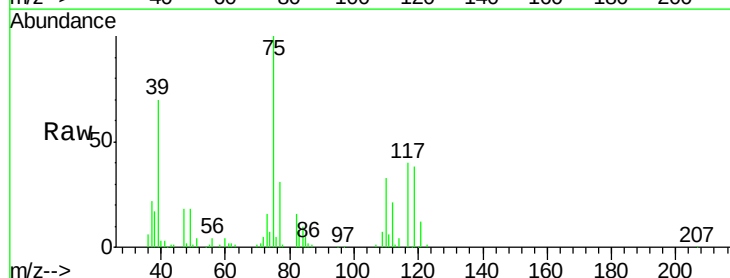
Manual Integrations
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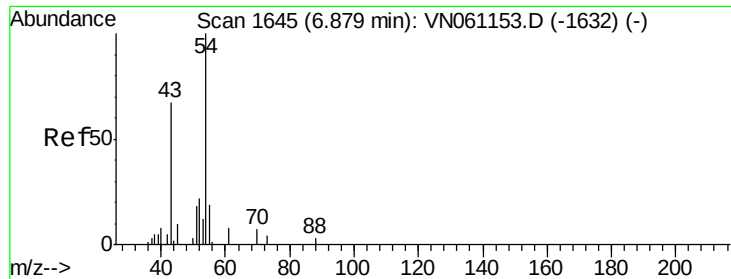
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 53.155 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.0	48.0
77	30.6	24.6	37.0





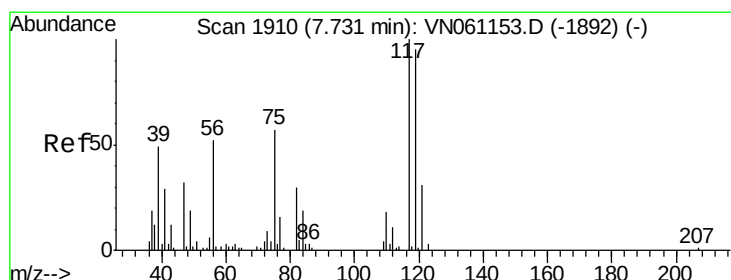
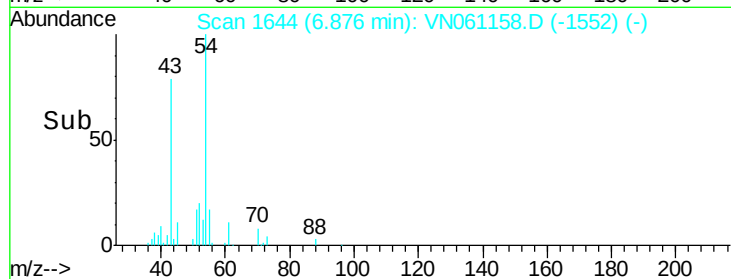
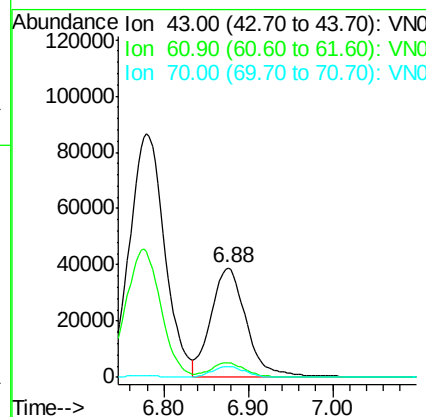
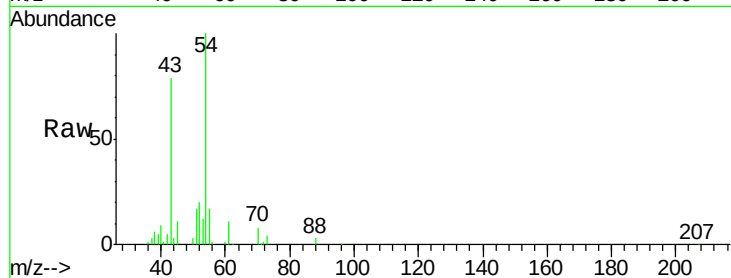
#37
Ethyl Acetate
Concen: 46.502 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.5	7.2	10.8

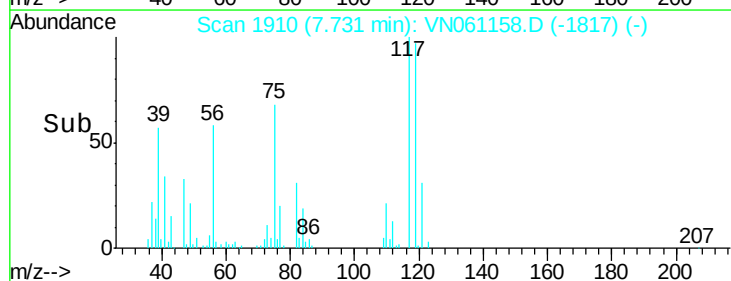
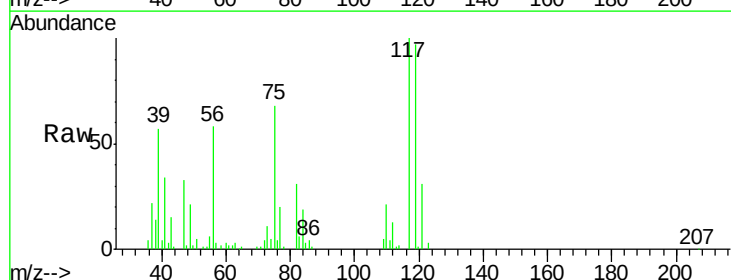
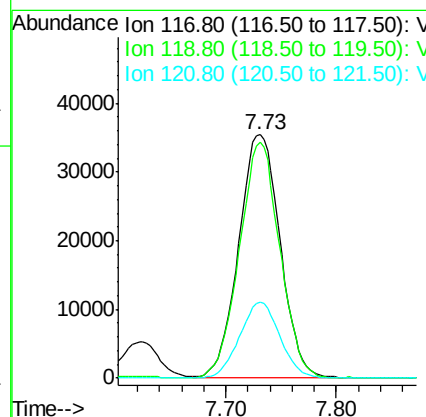
Manual Integrations
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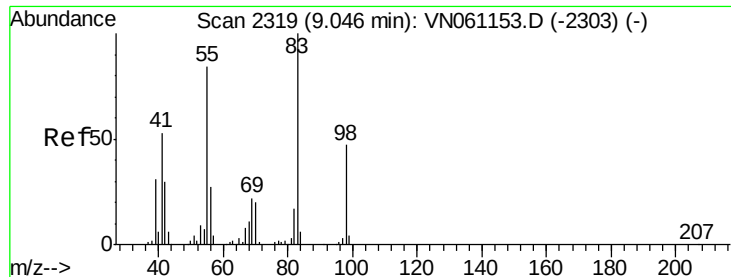
MMDadoda
4/29/2020 2:58:06 PM



#38
Carbon Tetrachloride
Concen: 56.279 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.6
121	31.4	24.7	37.1





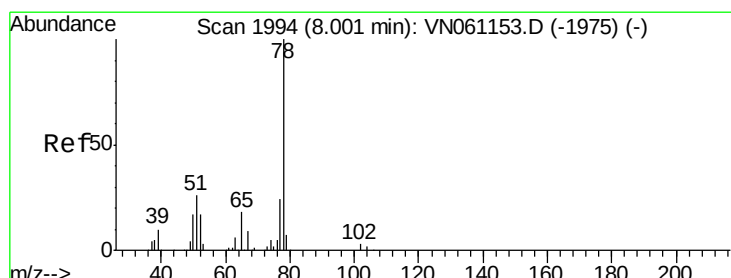
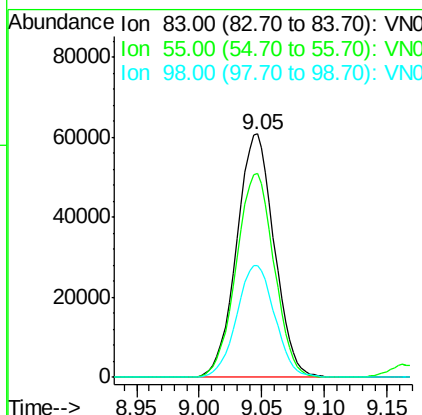
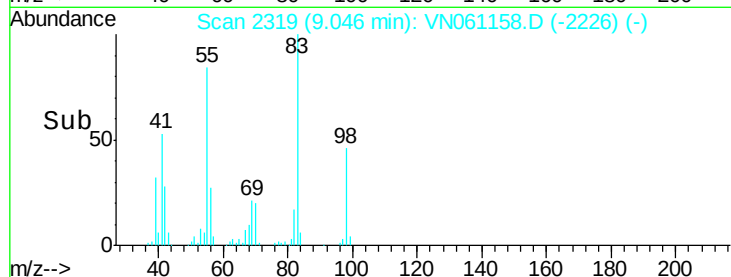
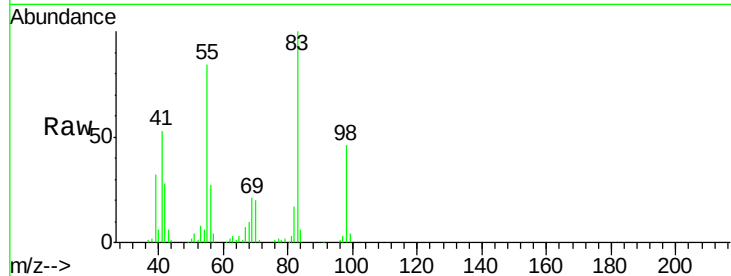
#39
Methylvlcyclohexane
Concen: 51.805 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	67.3	100.9
98	46.0	37.7	56.5

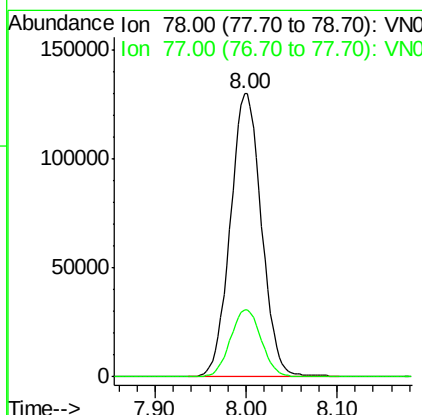
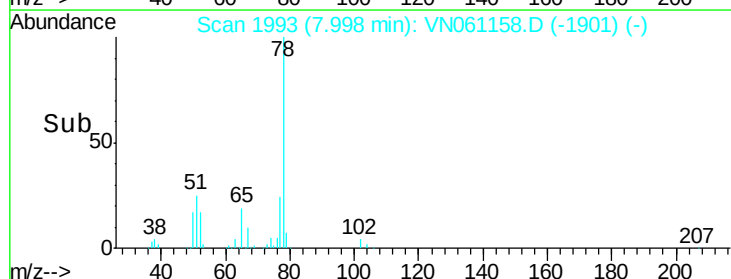
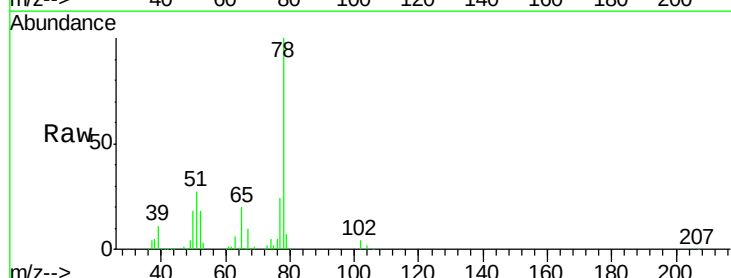
Manual Integrations
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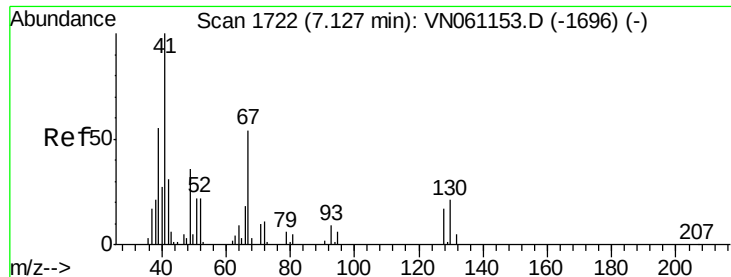
MMDadoda
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#40
Benzene
Concen: 50.608 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





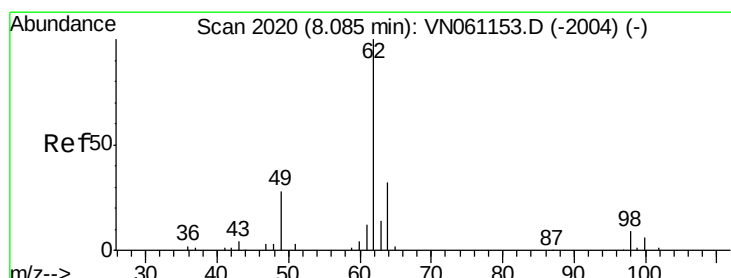
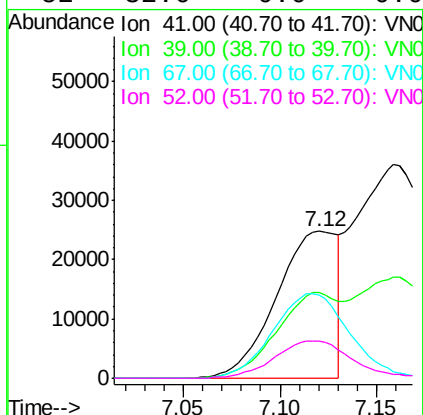
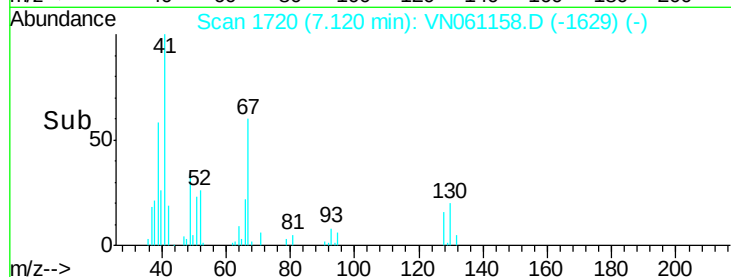
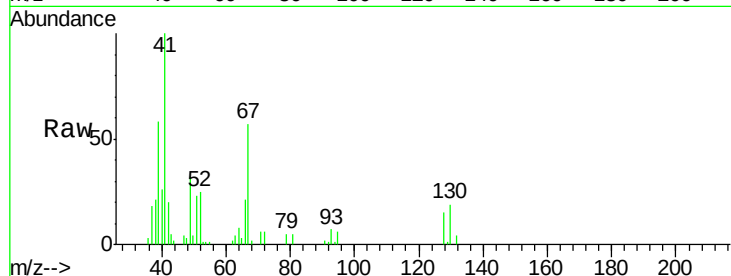
#41
Methacrylonitrile
Concen: 54.333 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	54323
Ion	Ratio	Lower	Upper
41	100		
39	56.6	0.0	0.0#
67	72.9	0.0	0.0#
52	32.6	0.0	0.0#

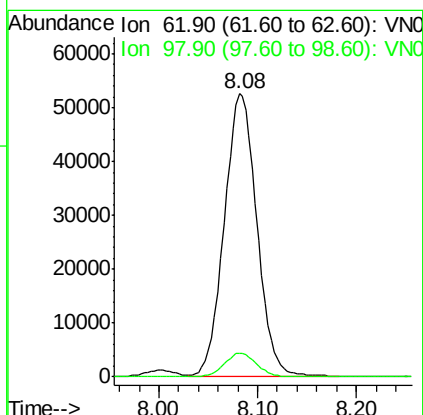
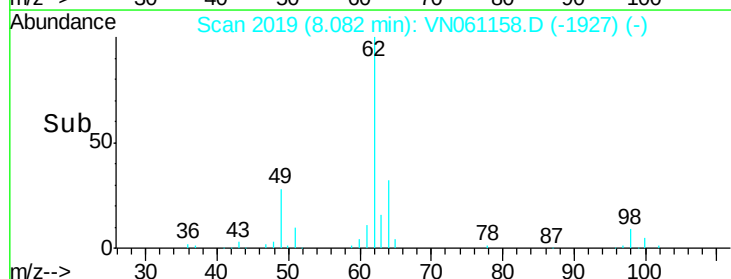
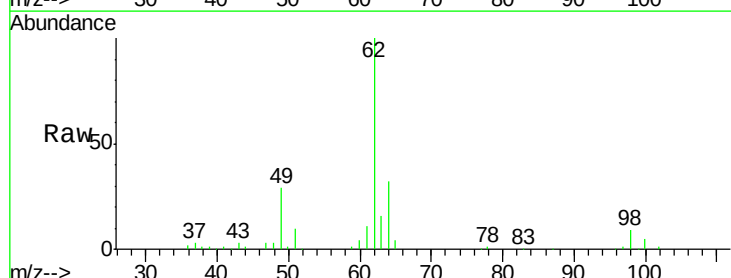
Manual Integrations
APPROVED

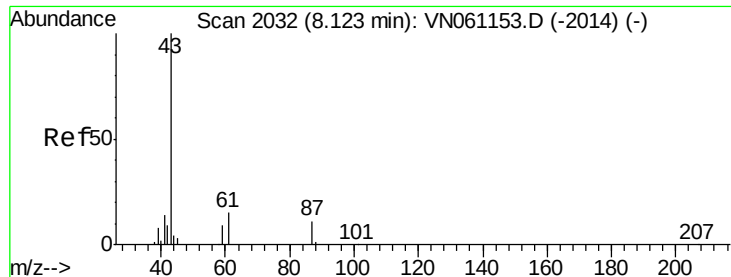
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4/29/2020 2:58:06 PM



#42
1,2-Dichloroethane
Concen: 52.544 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	62	Resp	121813
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





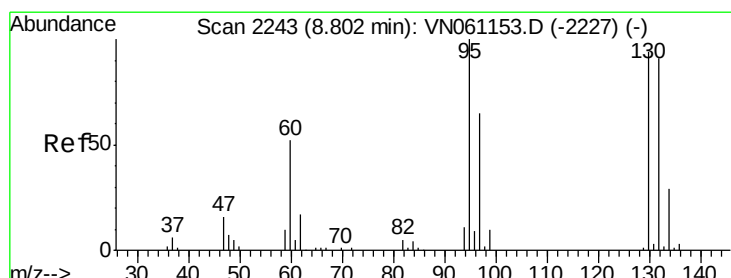
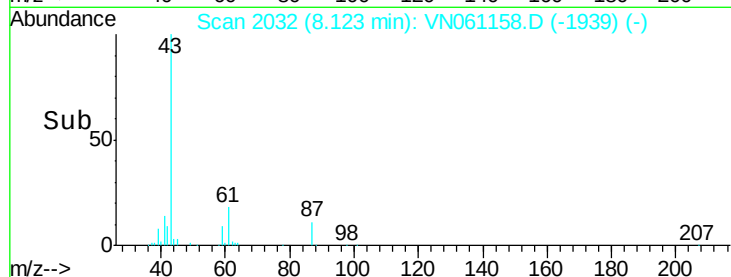
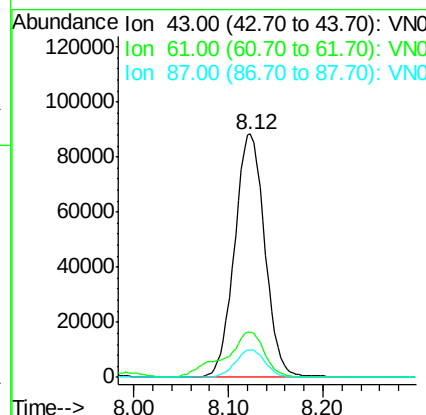
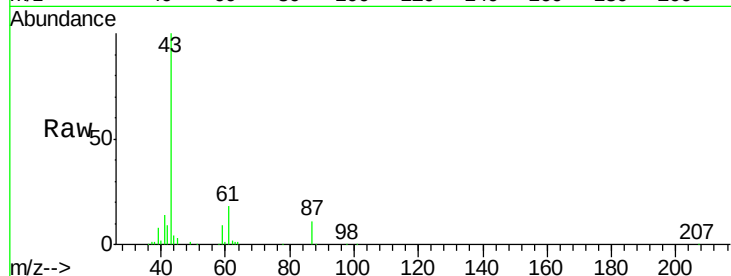
#43
Isopropyl Acetate
Concen: 49.117 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		196290		
61	24.6	19.5	29.3		
87	11.2	8.9	13.3		

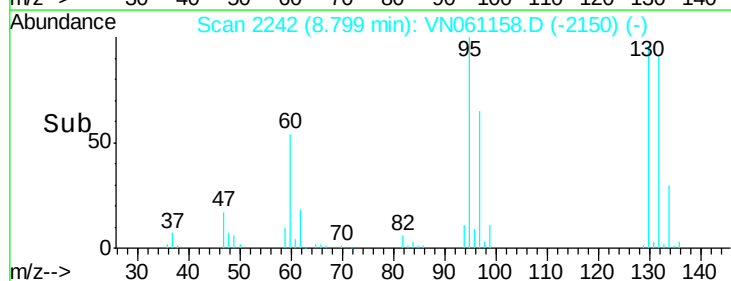
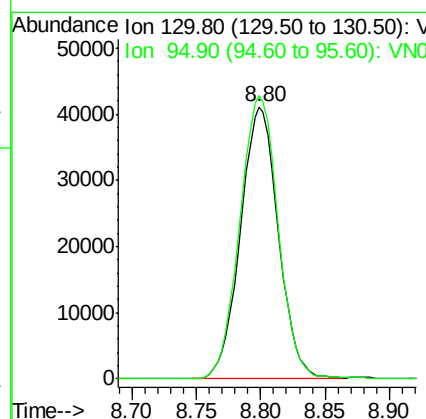
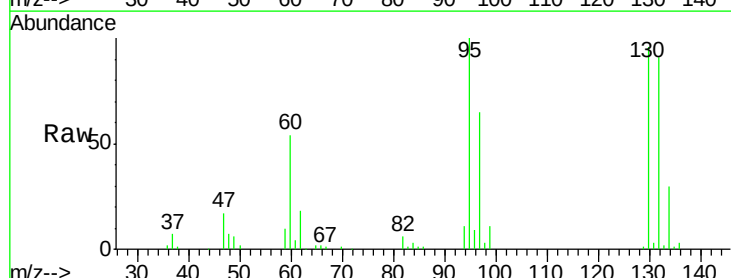
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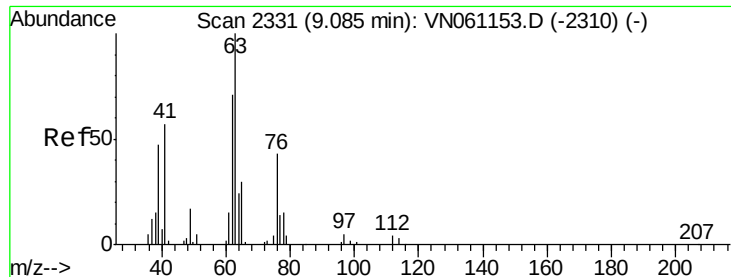
MMDadoda
4/29/2020 2:58:06 PM



#44
Trichloroethene
Concen: 50.783 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	100		84010		
95	103.9	0.0	212.4		





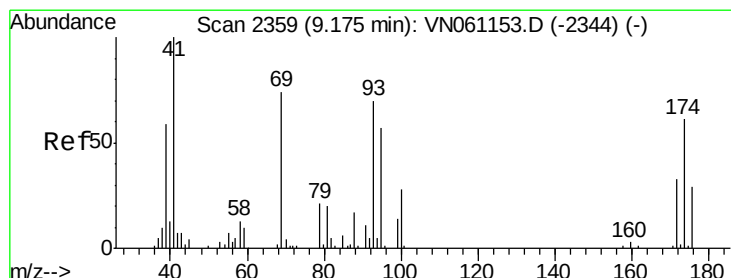
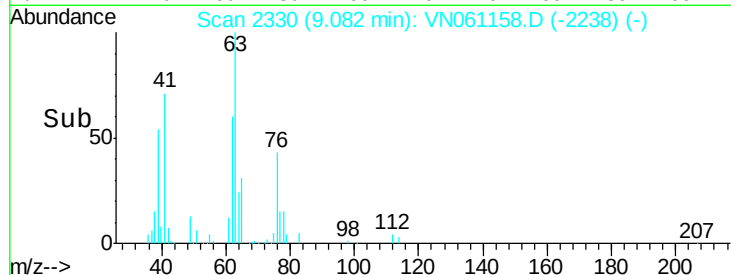
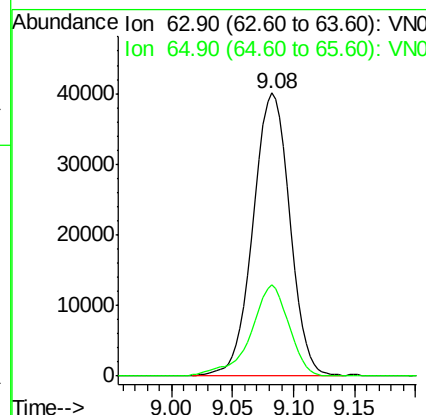
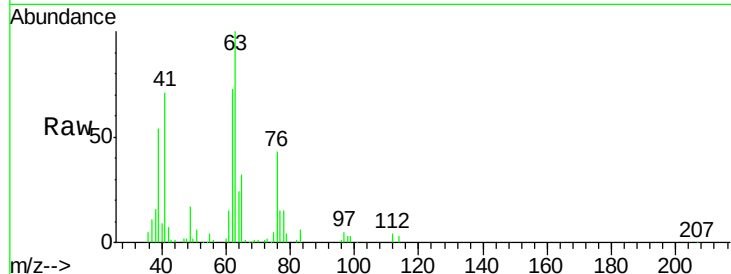
#45
 1,2-Dichloropropane
 Concen: 51.211 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 83725
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.7 37.1

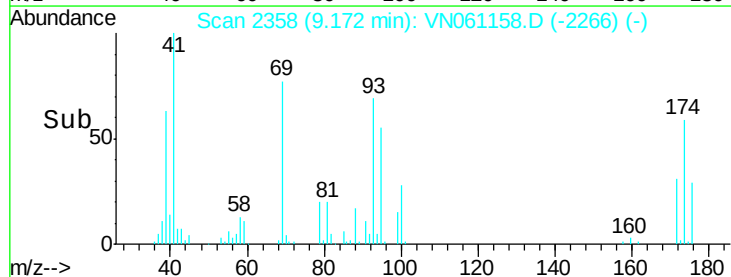
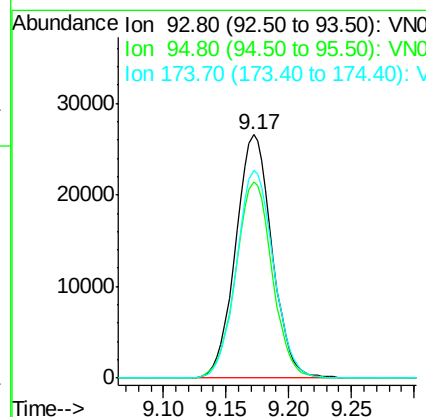
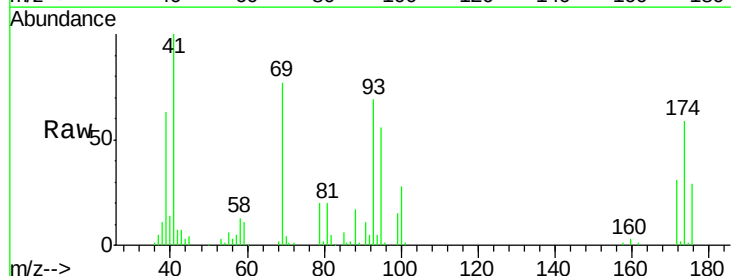
Manual Integrations
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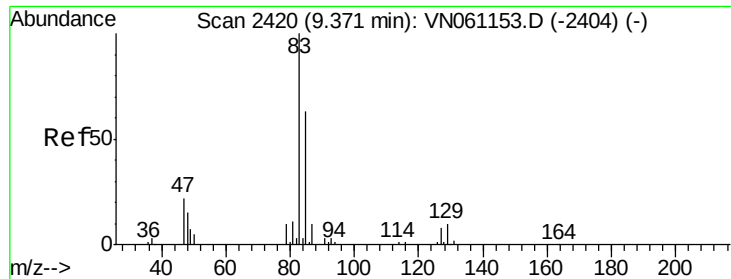
MMDadoda
 4/29/2020 2:58:06 PM



#46
 Dibromomethane
 Concen: 52.860 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion: 93 Resp: 53509
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.6 99.8
 174 87.1 70.2 105.2





#47

Bromodichloromethane

Concen: 52.432 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

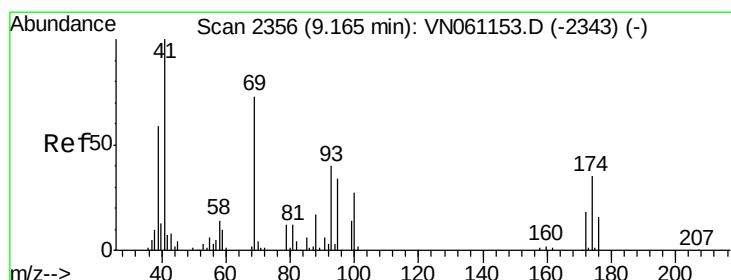
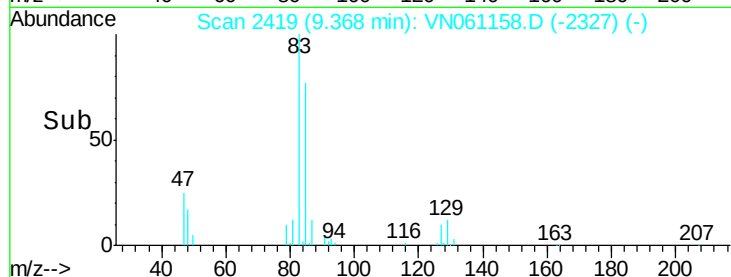
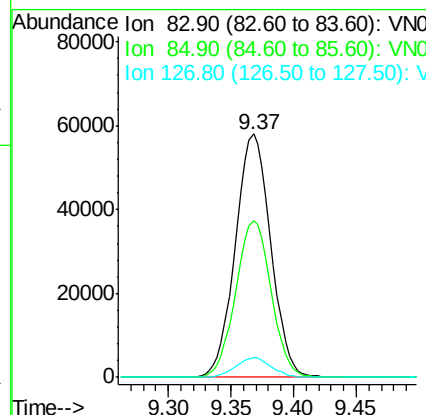
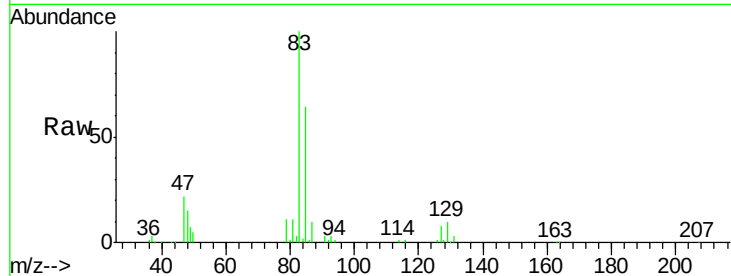
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113921
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6
127	8.1	6.2	9.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 48.830 ug/l

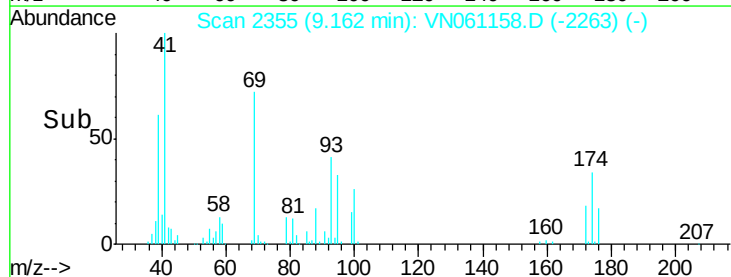
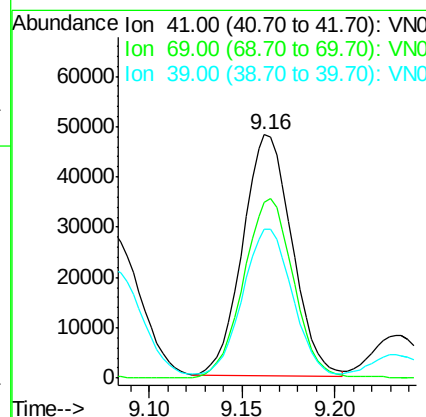
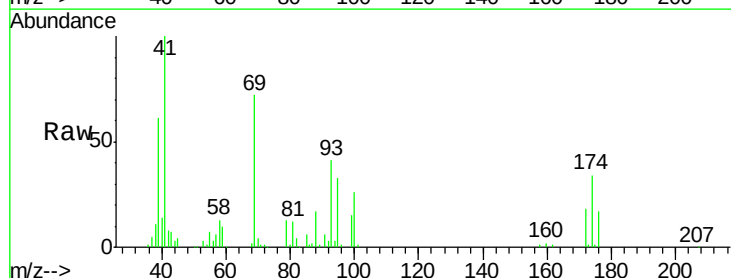
RT: 9.16 min Scan# 2355

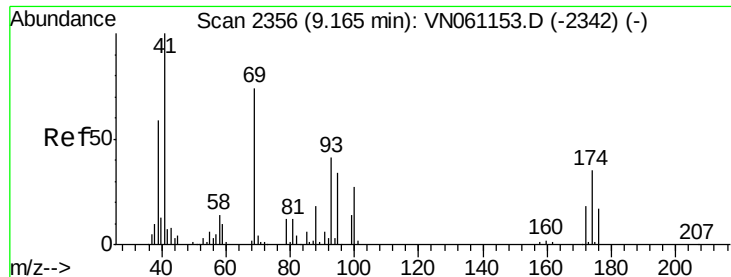
Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion:	41	Resp:	88059
Ion	Ratio	Lower	Upper
41	100		
69	76.0	60.3	90.5
39	60.7	47.4	71.0





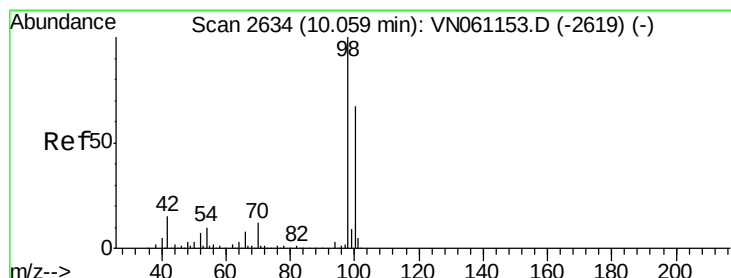
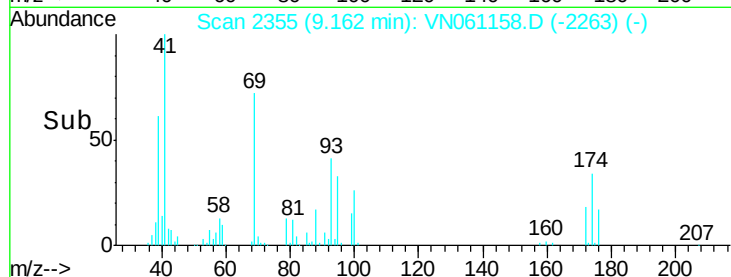
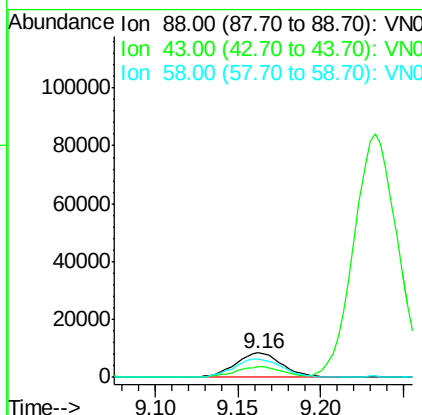
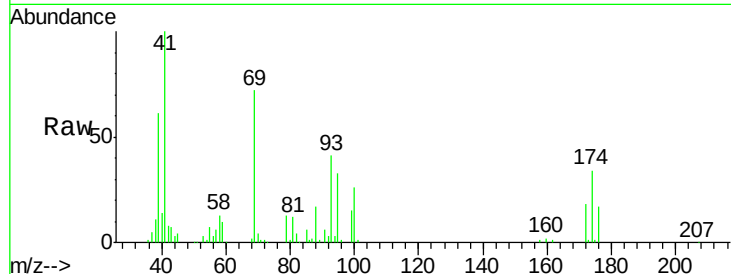
#49
1,4-Dioxane
Concen: 813.651 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	35.3	52.9
58	76.9	61.5	92.3

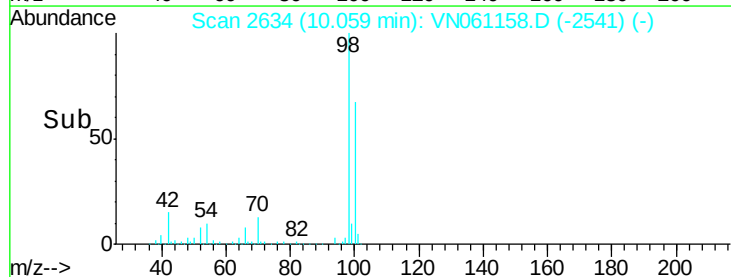
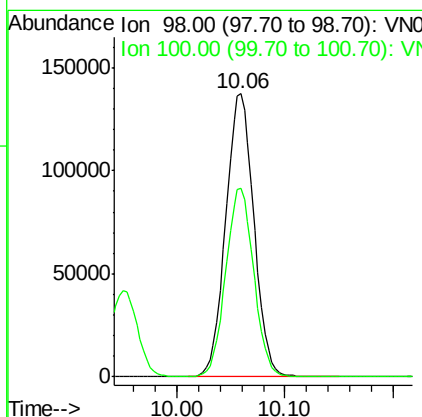
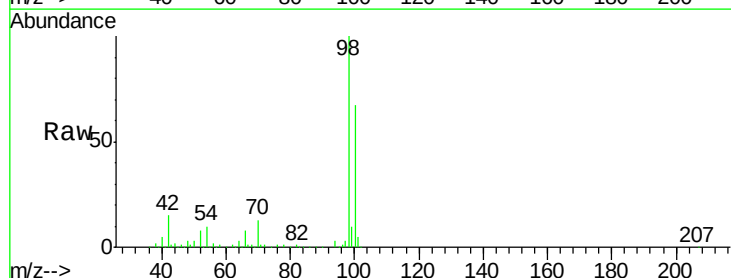
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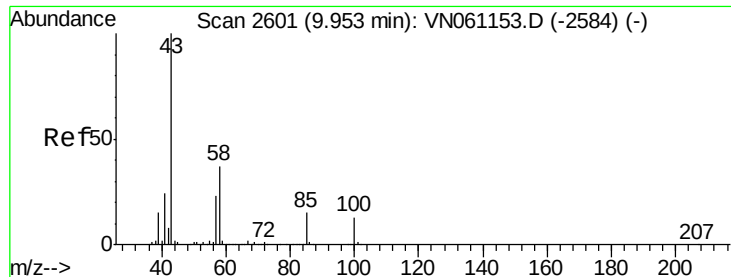
MMDadoda
4/29/2020 2:58:06 PM



#50
Toluene-d8
Concen: 50.534 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0





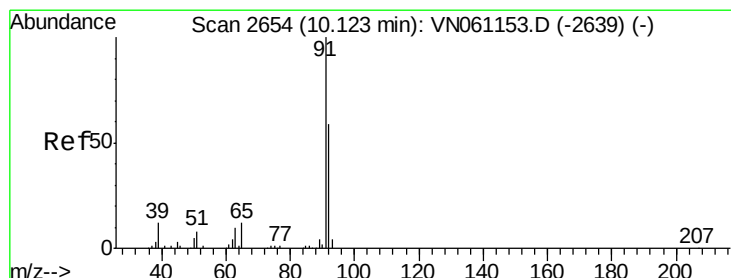
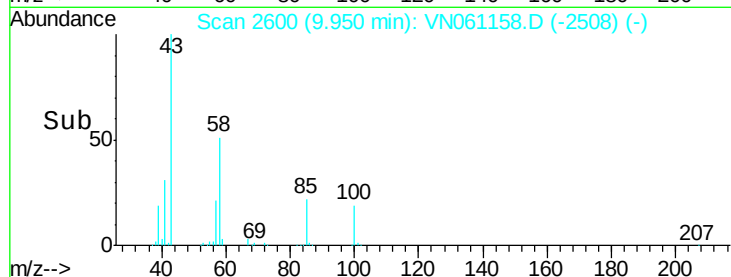
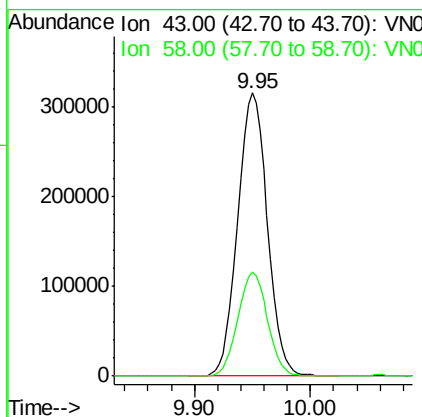
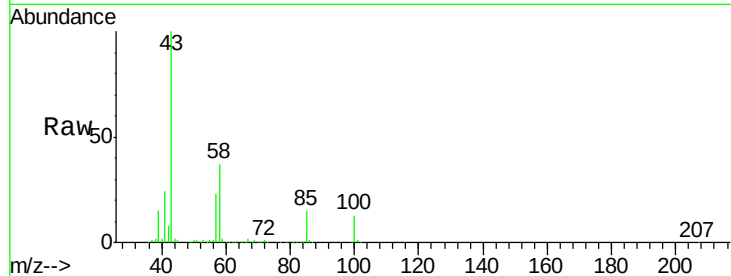
#51
4-Methyl-2-Pentanone
Concen: 238.375 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	560743
Ion Ratio	100	Lower	Upper
58	36.7	29.1	43.7

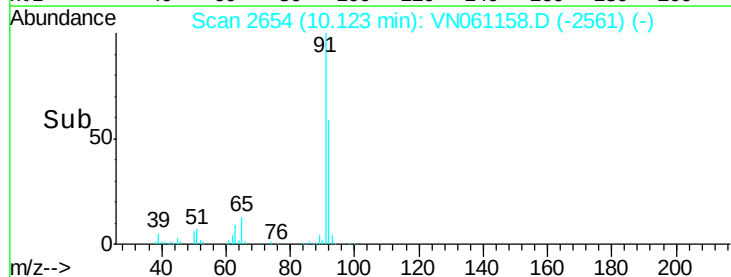
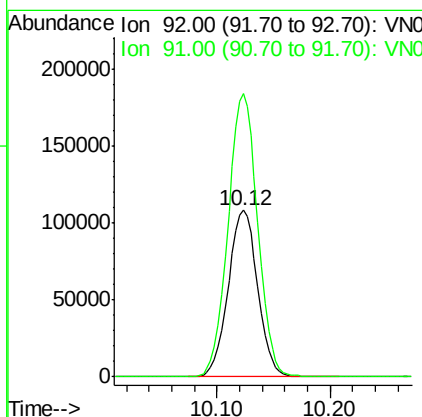
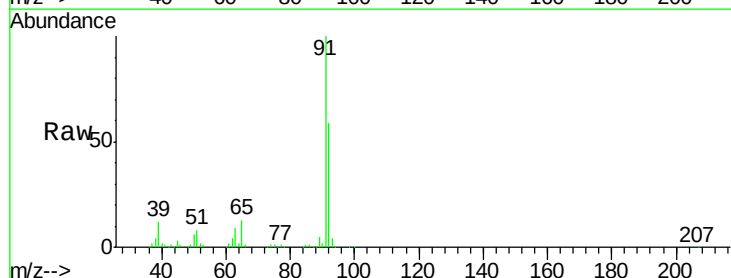
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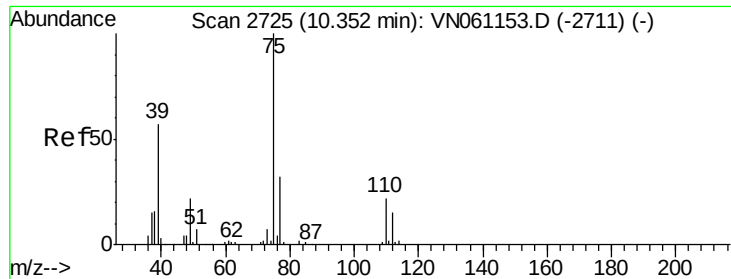
MMDadoda
4/29/2020 2:58:06 PM



#52
Toluene
Concen: 53.011 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	92	Resp	195397
Ion Ratio	100	Lower	Upper
91	171.1	136.2	204.2





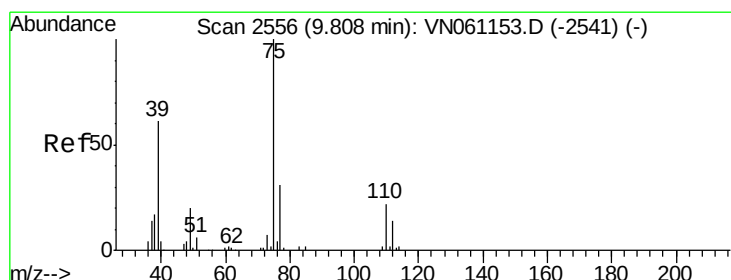
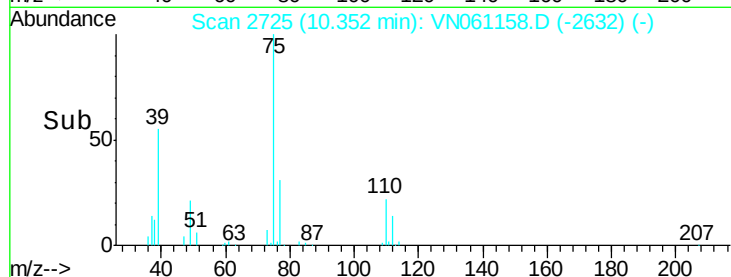
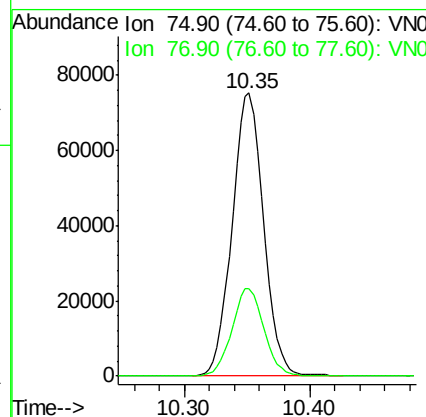
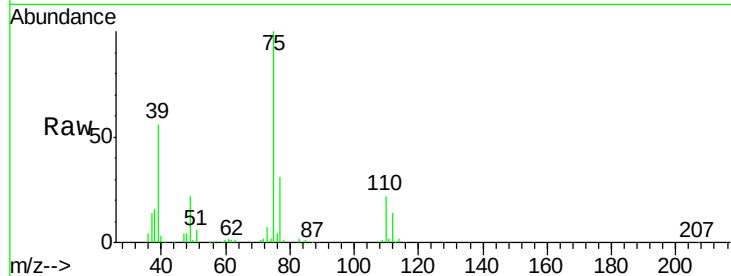
#53
t-1,3-Dichloropropene
Concen: 53.542 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 131083
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3

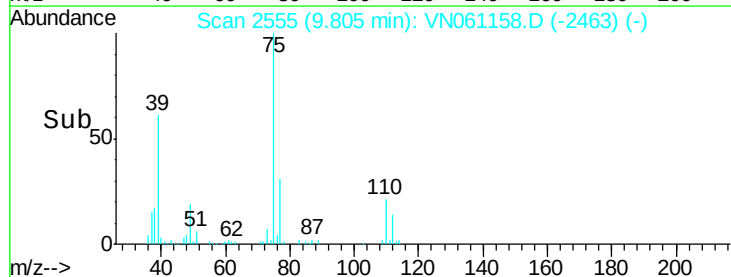
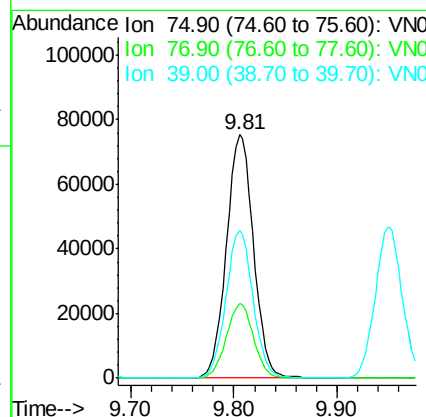
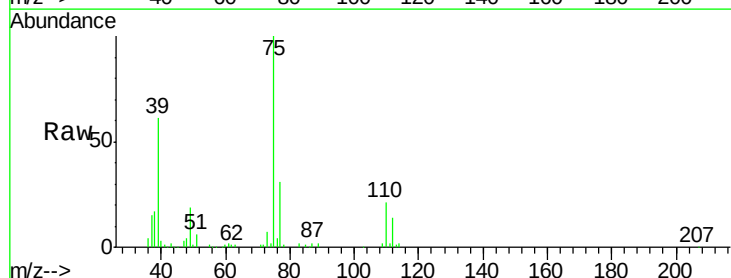
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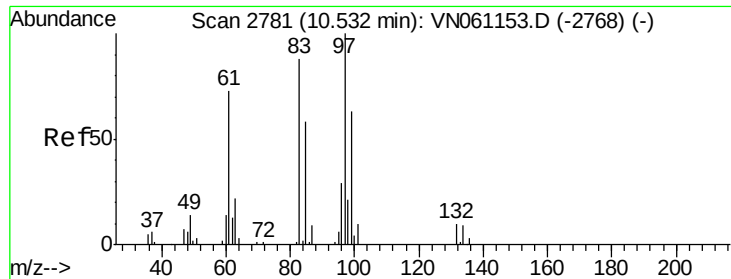
MMDadoda
4/29/2020 2:58:06 PM



#54
cis-1,3-Dichloropropene
Concen: 53.246 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 75 Resp: 137815
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4
39 60.8 48.7 73.1





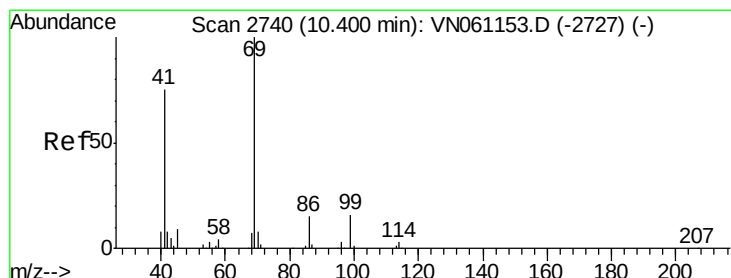
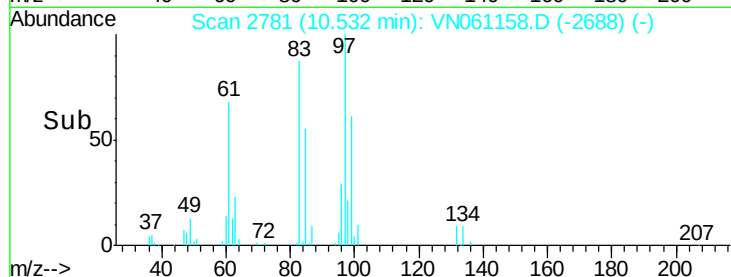
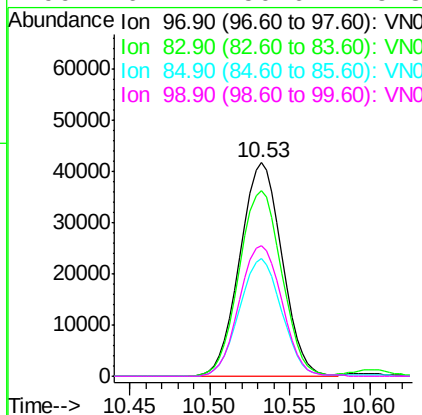
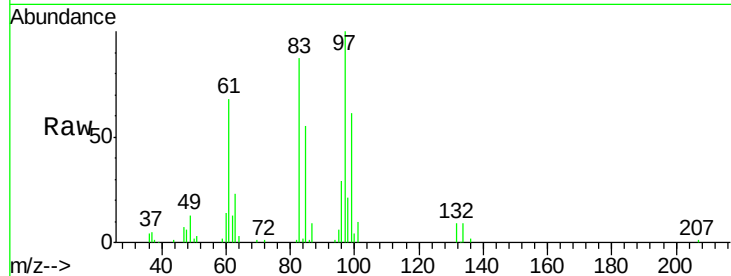
#55
 1,1,2-Trichloroethane
 Concen: 51.120 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	75159
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.6	106.0
85	54.9	46.4	69.6
99	61.2	50.6	75.8

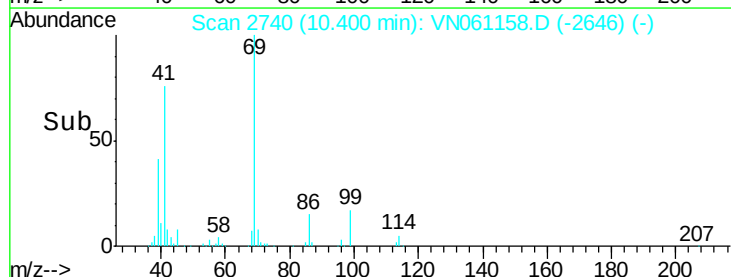
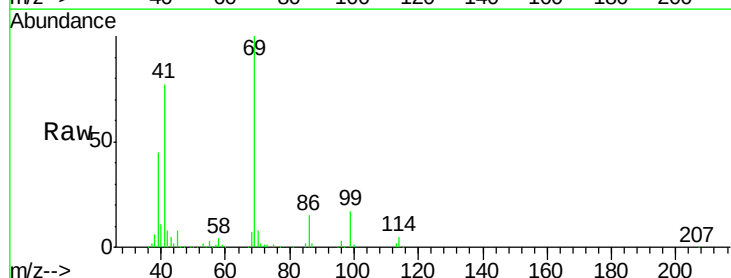
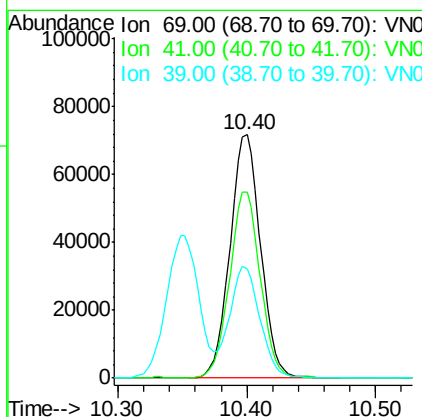
Manual Integrations
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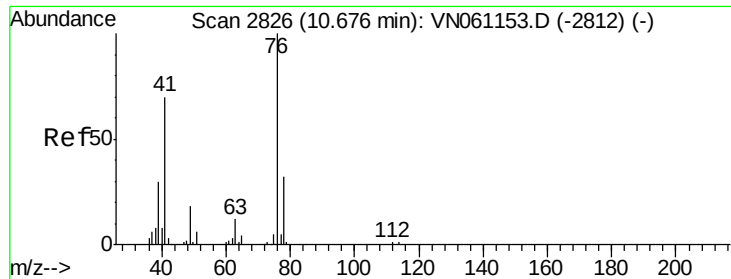
MMDadoda
 4/29/2020 2:58:06 PM



#56
 Ethyl methacrylate
 Concen: 46.328 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion:	69	Resp:	118149
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.3	90.5
39	45.6	35.9	53.9





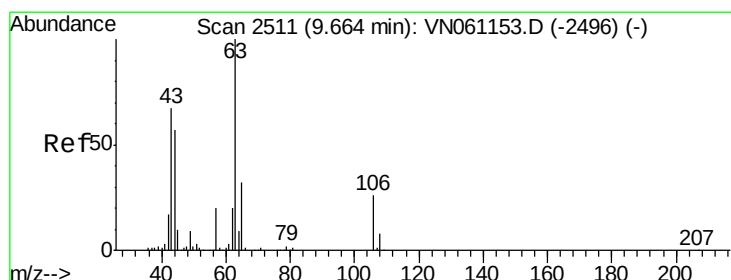
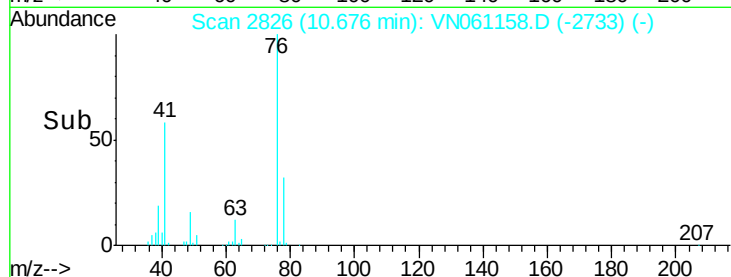
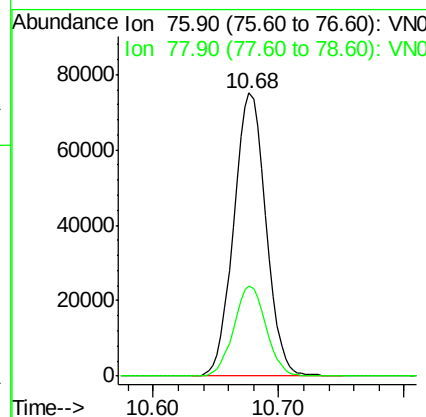
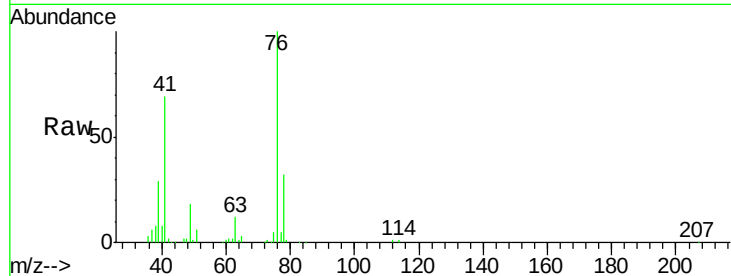
#57
 1,3-Dichloropropane
 Concen: 51.706 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

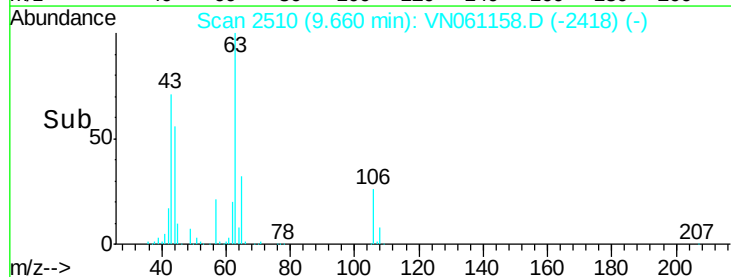
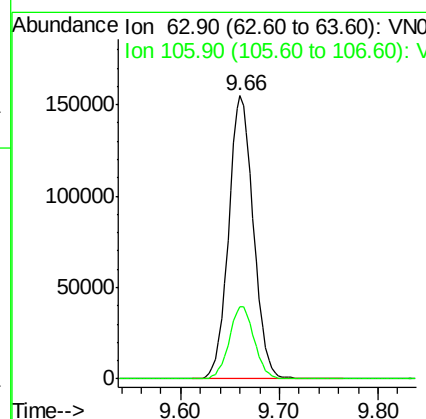
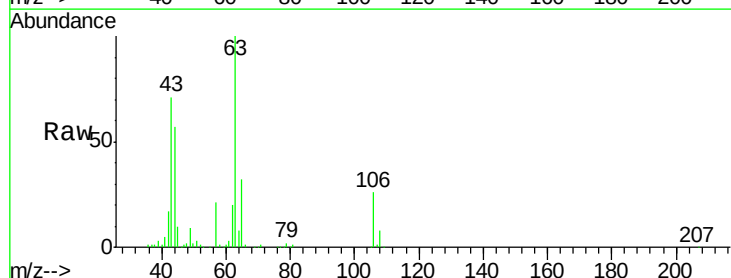
Manual Integrations
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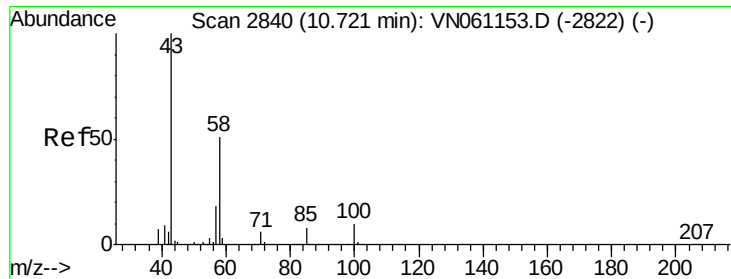
MMDadoda
 4/29/2020 2:58:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.643 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	20.6	30.8





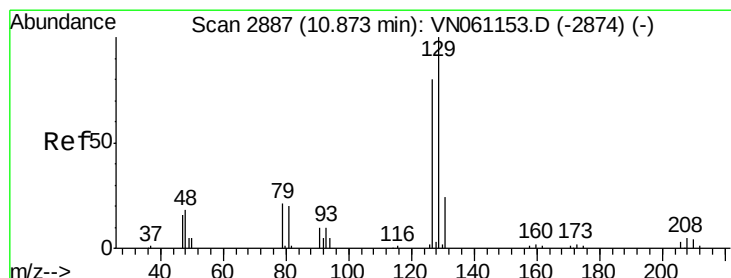
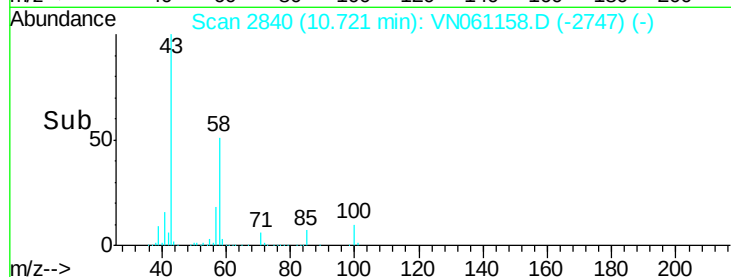
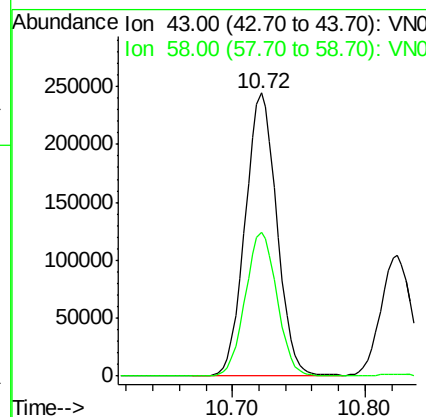
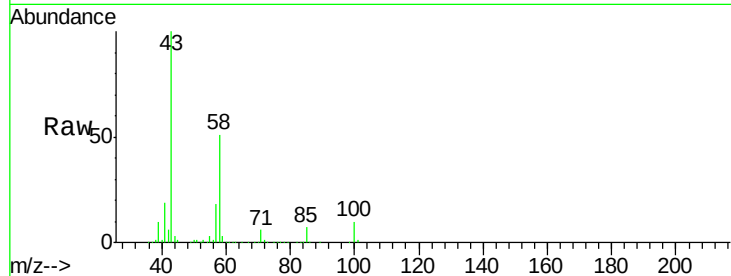
#59
2-Hexanone
Concen: 236.672 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 405037
Ion Ratio Lower Upper
43 100
58 51.0 25.4 76.4

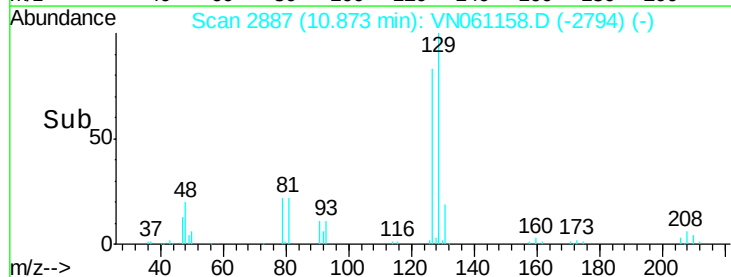
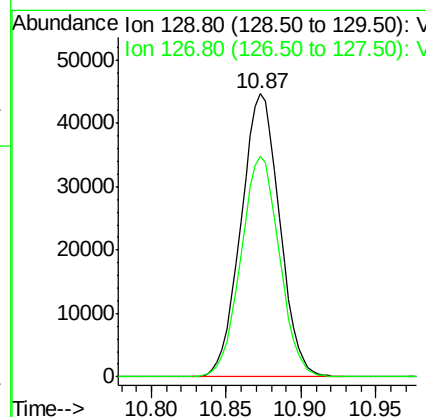
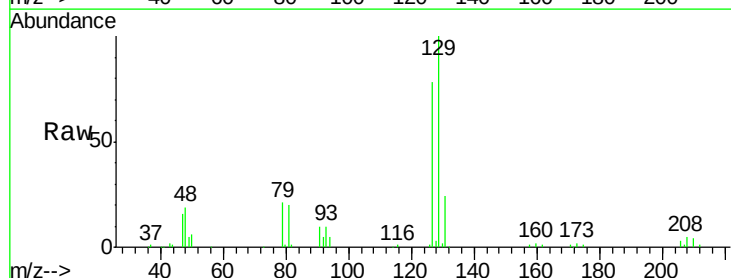
Manual Integrations
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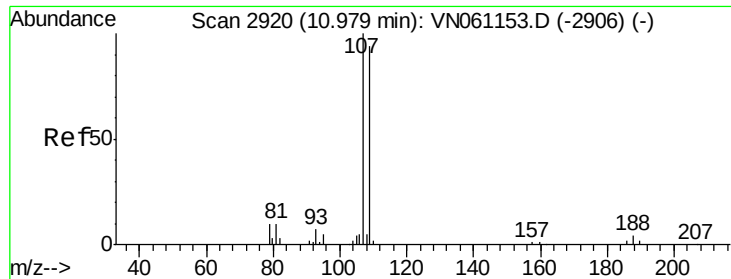
MMDadoda
4/29/2020 2:58:06 PM



#60
Dibromochloromethane
Concen: 52.172 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion: 129 Resp: 80337
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





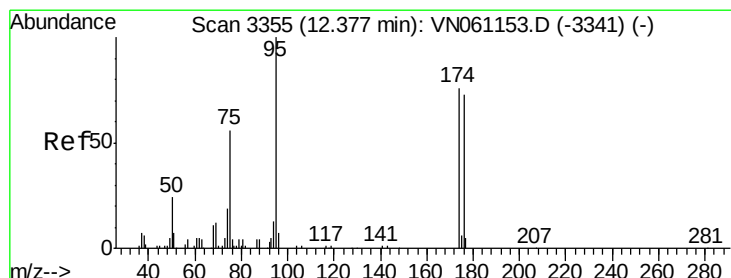
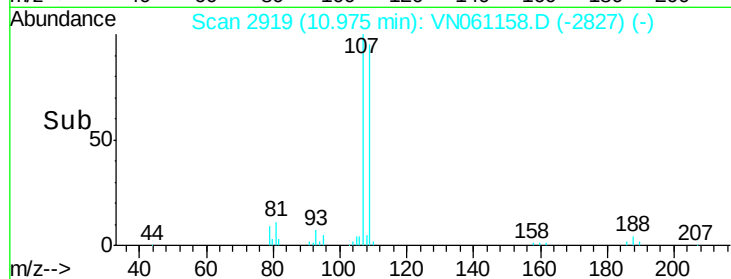
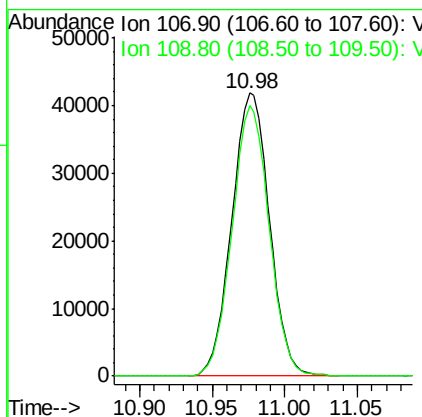
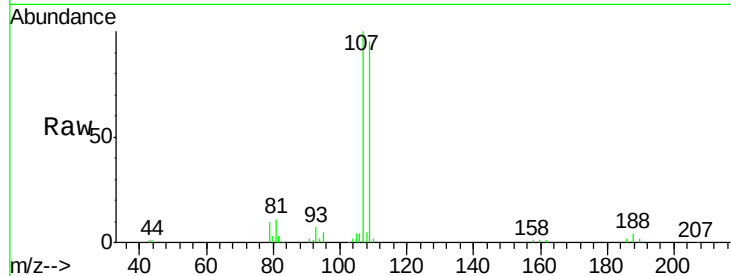
#61
 1,2-Dibromoethane
 Concen: 51.265 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.8	112.2

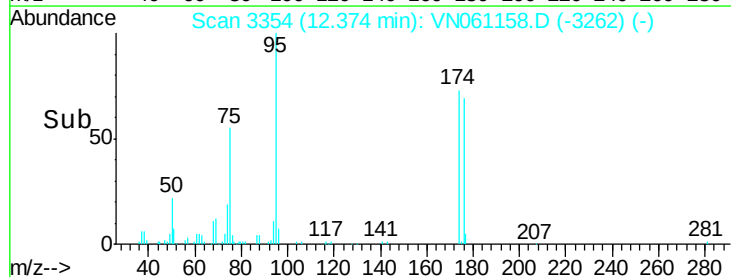
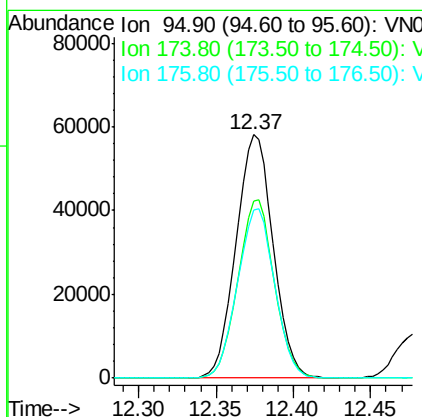
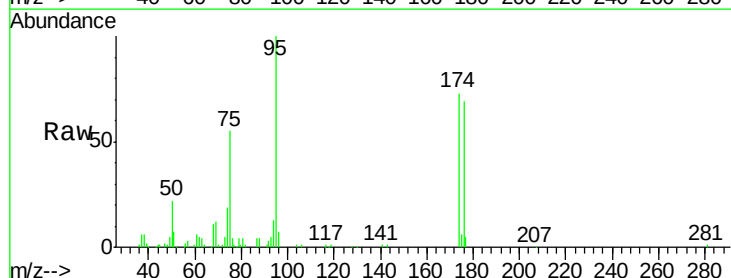
Manual Integrations
 APPROVED

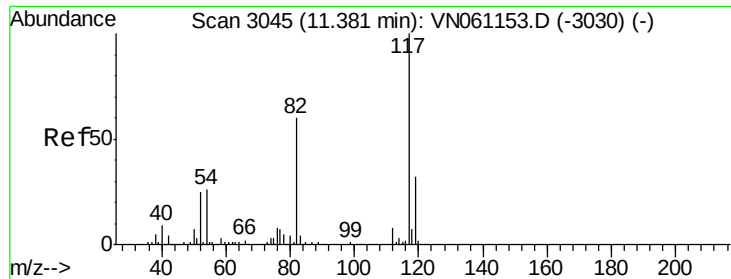
MMDadoda
 4/29/2020 2:58:06 PM



#62
 4-Bromofluorobenzene
 Concen: 52.019 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	149.4
176	69.5	0.0	144.8





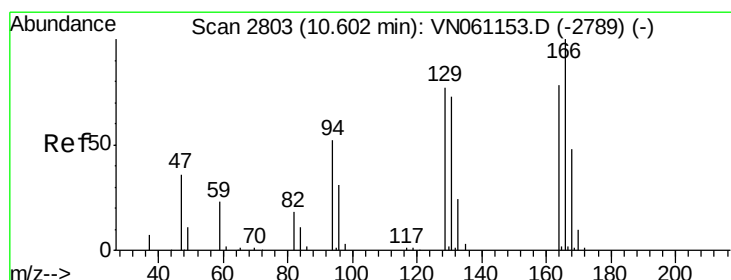
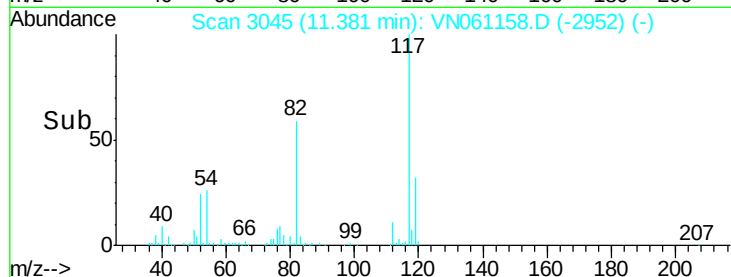
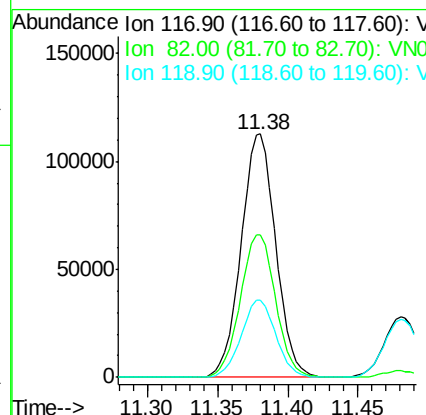
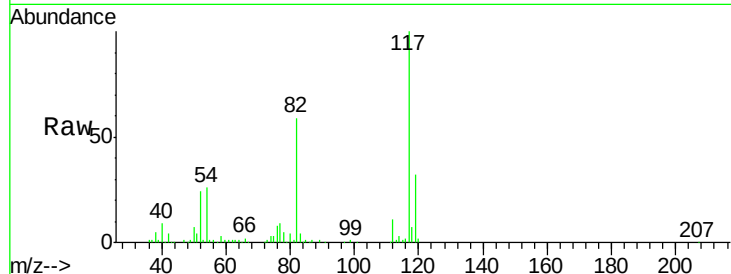
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	193817		
82	58.5	47.8	71.8	
119	31.7	25.8	38.6	

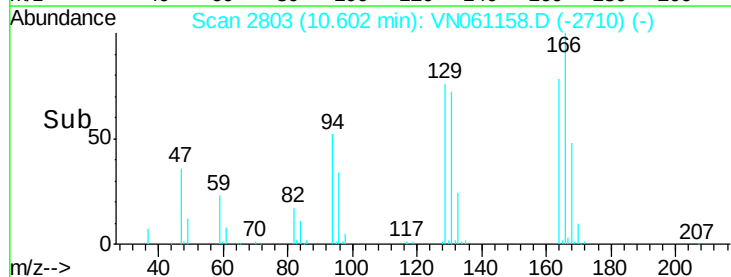
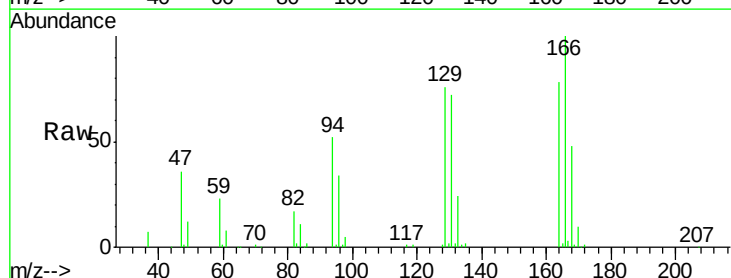
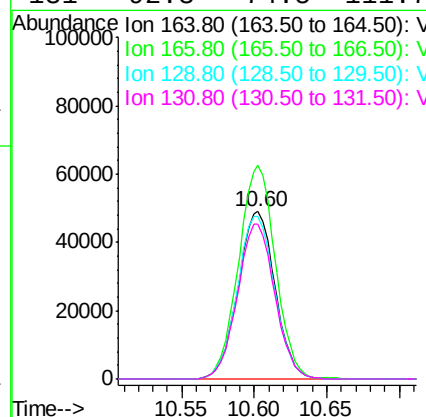
Manual Integrations
APPROVED

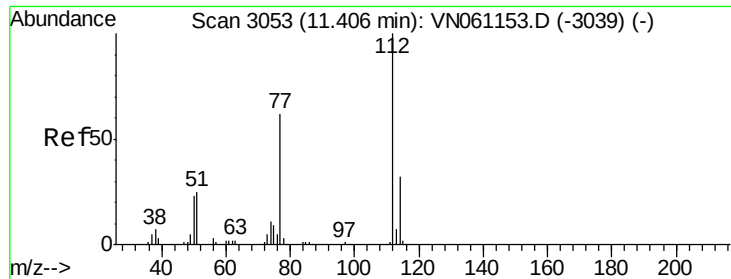
MMDadoda
4/29/2020 2:58:06 PM



#64
Tetrachloroethene
Concen: 51.630 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86670		
166	127.7	102.0	153.0	
129	97.3	78.2	117.2	
131	92.3	74.5	111.7	





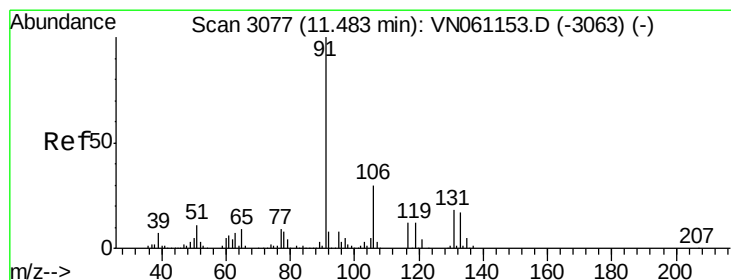
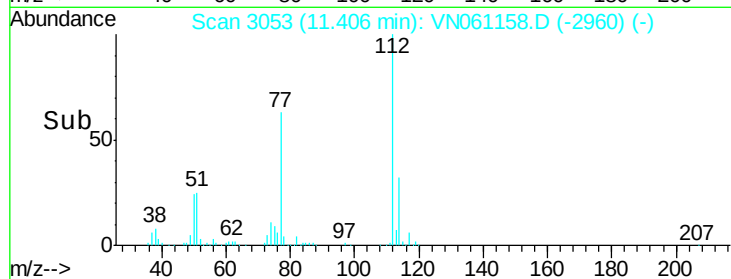
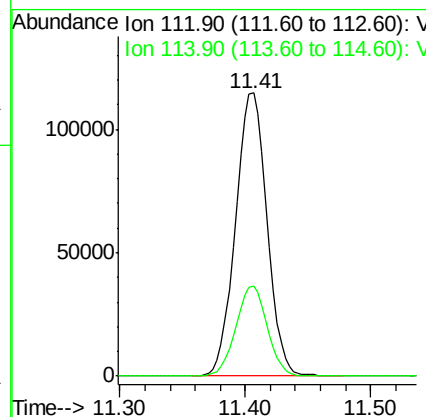
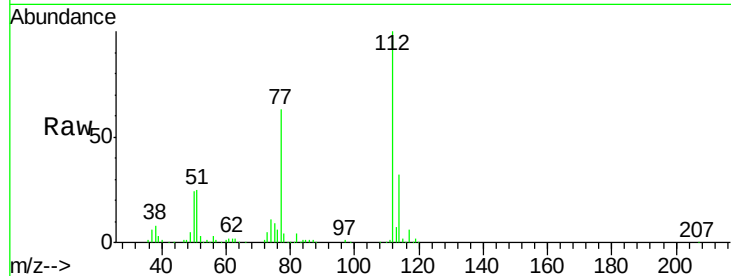
#65
Chlorobenzene
Concen: 52.024 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2

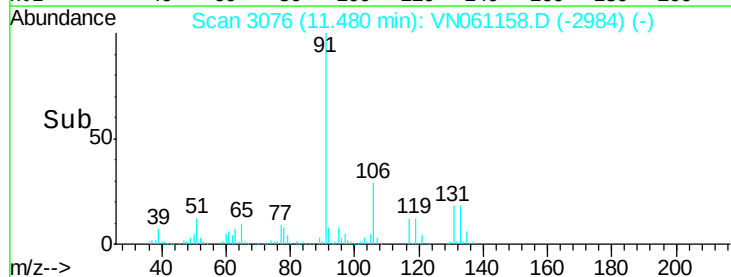
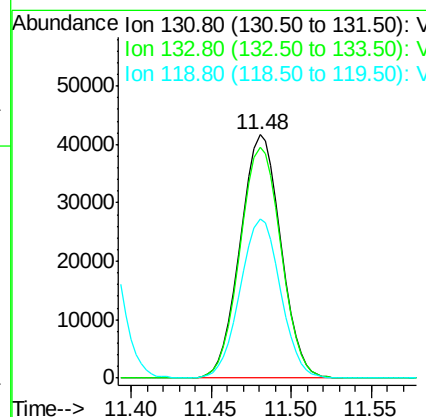
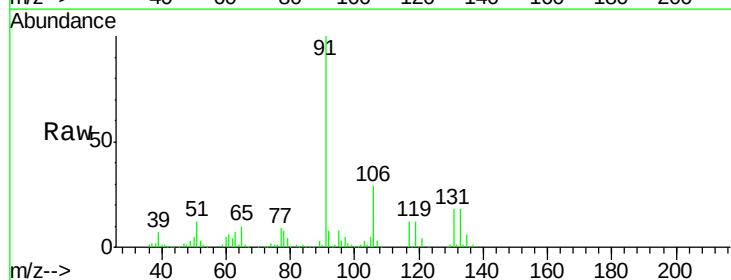
Manual Integrations
APPROVED

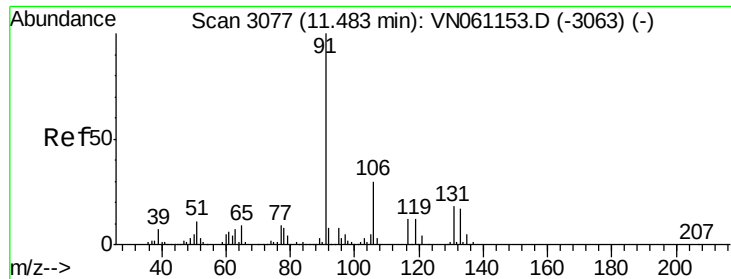
MMDadoda
4/29/2020 2:58:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.558 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.0	144.2
119	64.6	32.6	97.8





#67

Ethyl Benzene

Concen: 53.538 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 385321

Ion Ratio Lower Upper

91 100

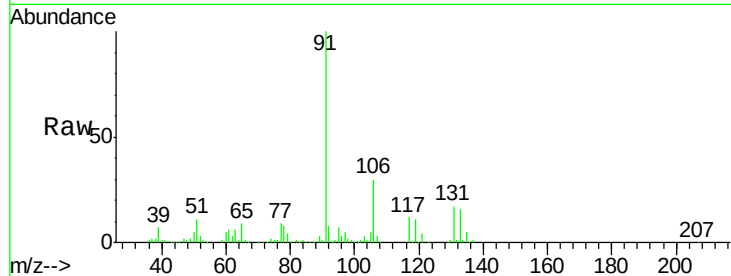
106 29.5 23.8 35.6

Manual Integrations

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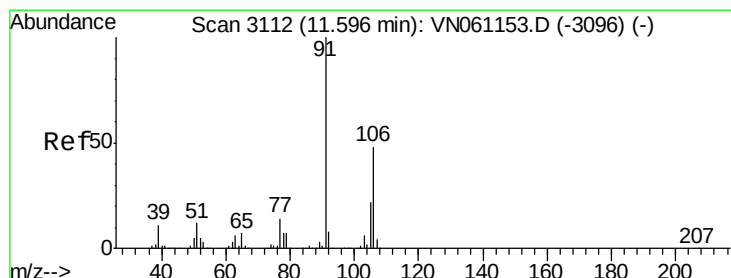
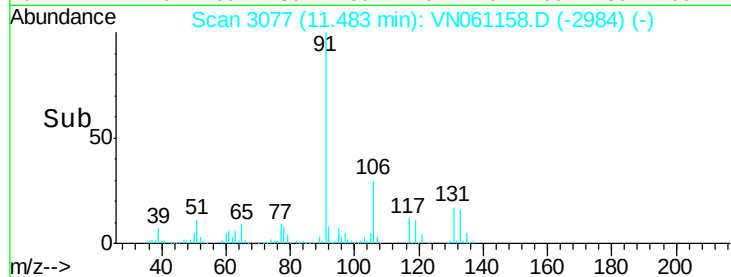
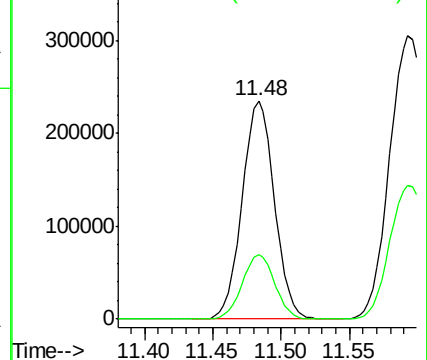
MMDadoda

4/29/2020 2:58:06 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)

Ion 106.00 (105.70 to 106.70): VN061153.D (-3063) (-)



#68

m/p-Xylenes

Concen: 107.139 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061158.D

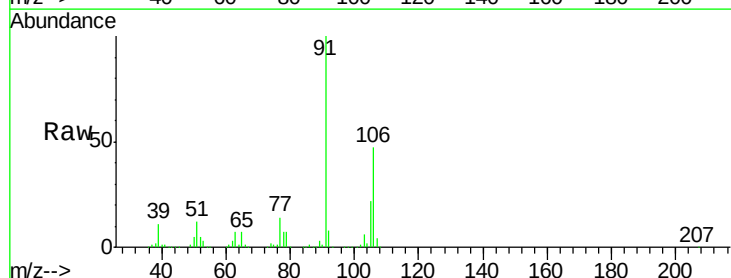
Acq: 28 Apr 2020 12:45

Tgt Ion: 106 Resp: 282246

Ion Ratio Lower Upper

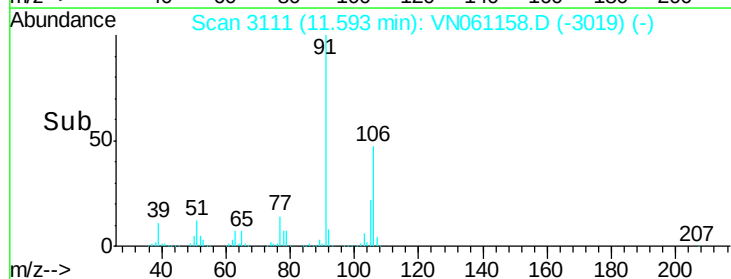
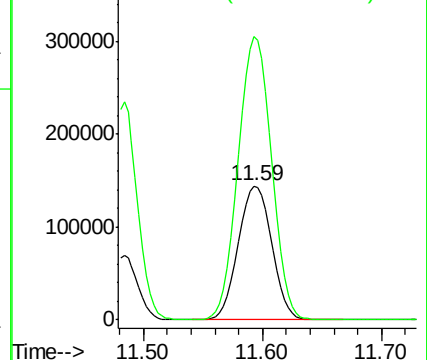
106 100

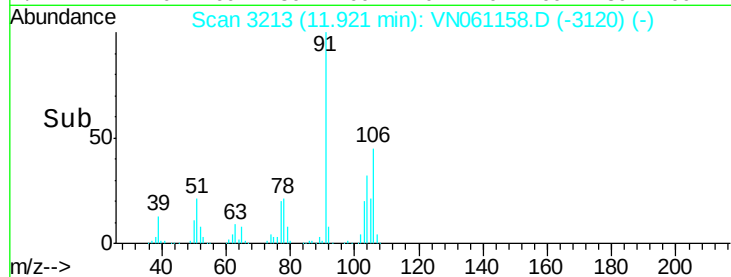
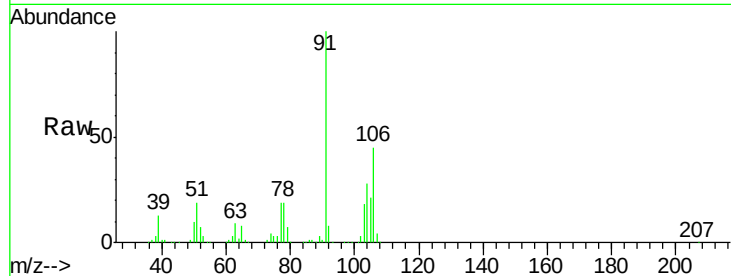
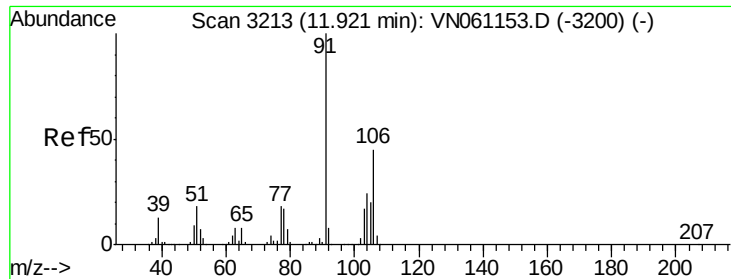
91 210.6 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-3096) (-)





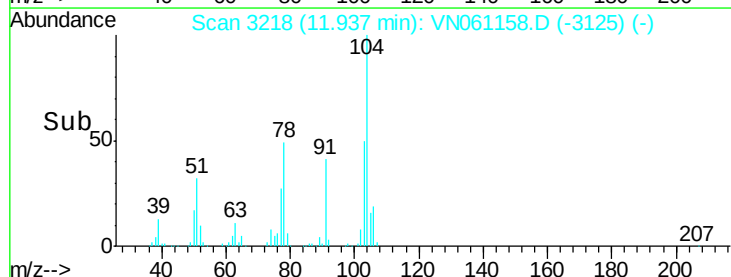
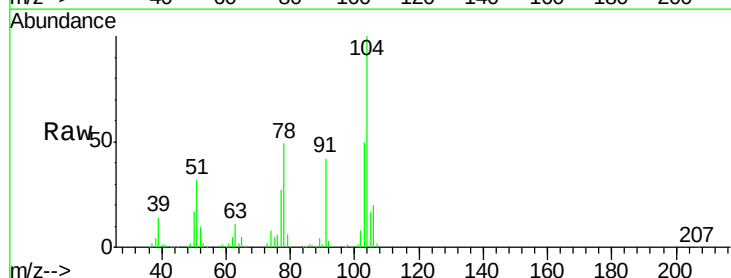
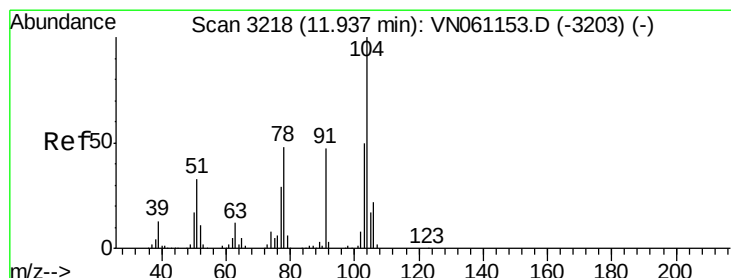
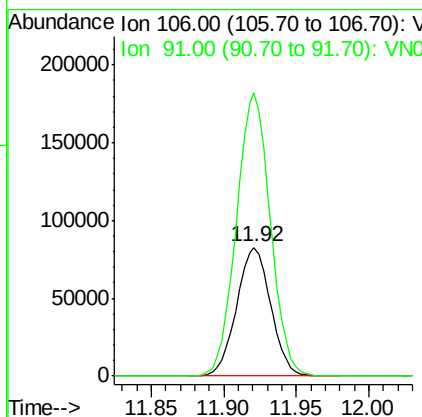
#69
o-Xylene
Concen: 53.395 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tot Ion	Ratio	Resp	Lower	Upper
106	100	135117		
91	218.9	109.7	329.0	

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

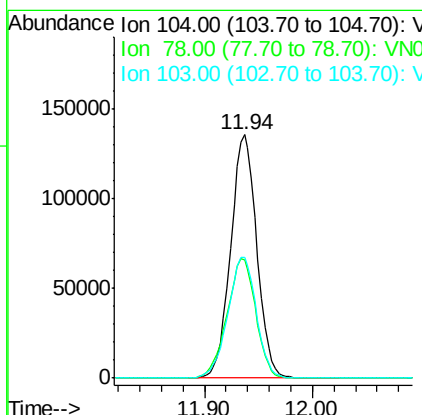
Manual Integrations
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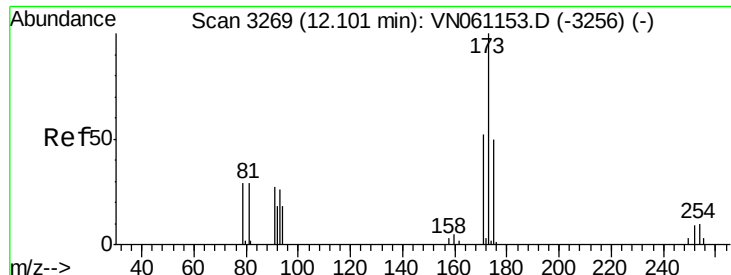
MMDadoda
4/29/2020 2:58:06 PM



#70
Styrene
Concen: 54.128 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	229246		
78	53.9	42.1	63.1	
103	54.3	43.3	64.9	





#71

Bromoform

Concen: 51.829 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 52416

Ion Ratio Lower Upper

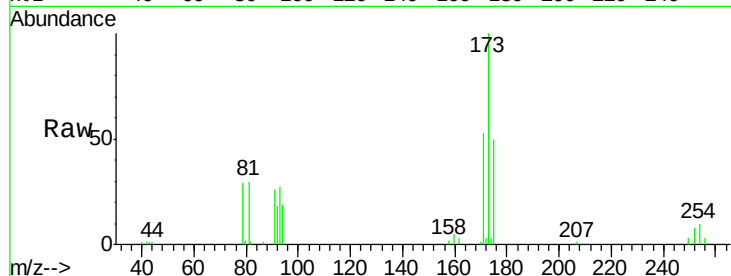
173 100

175 48.8 24.1 72.4

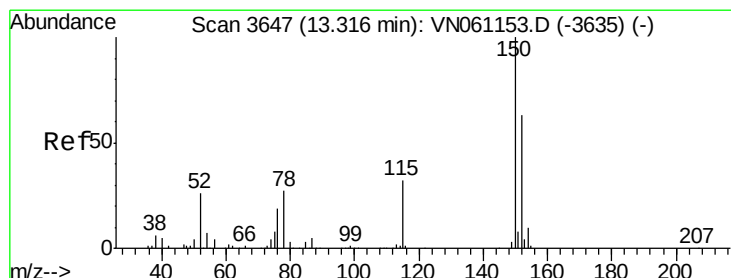
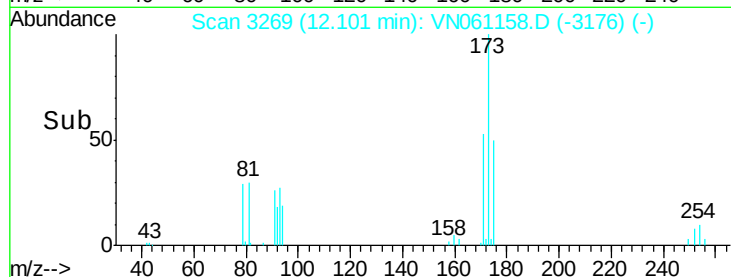
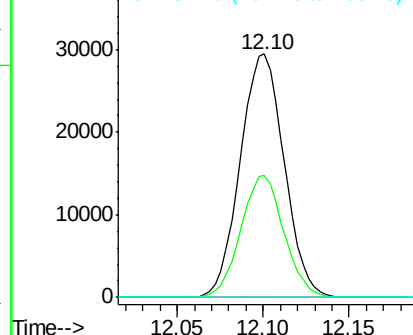
254 0.0 0.0 0.0

Manual Integrations
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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# 3647

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

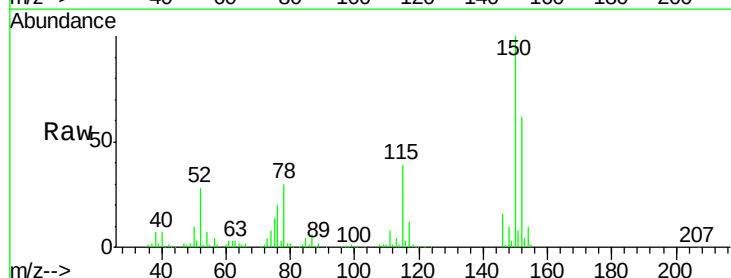
Tgt Ion:152 Resp: 94201

Ion Ratio Lower Upper

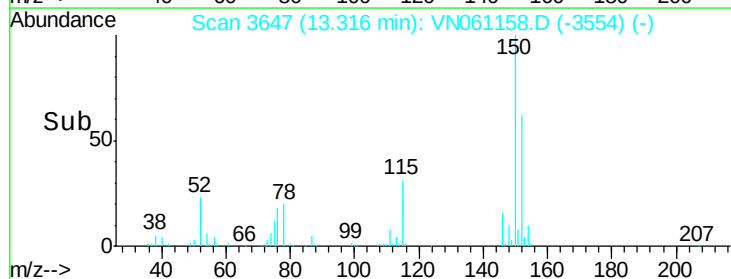
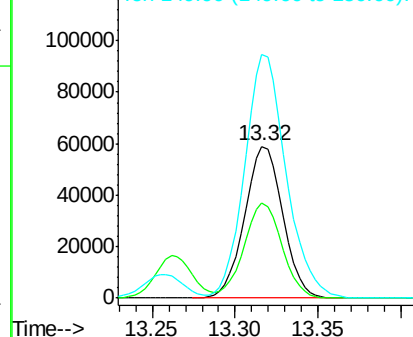
152 100

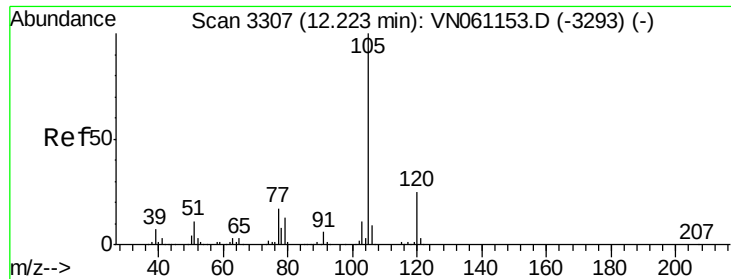
115 62.4 31.0 93.0

150 174.7 0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





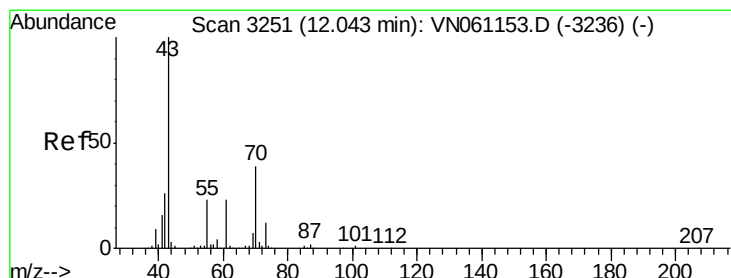
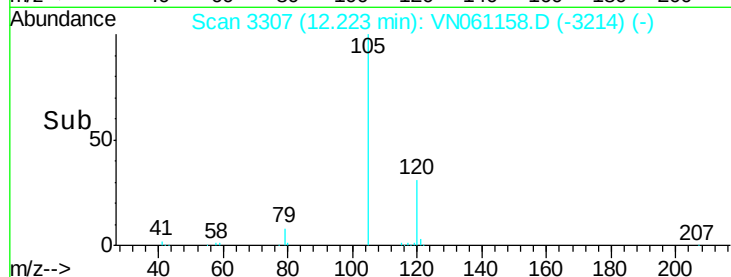
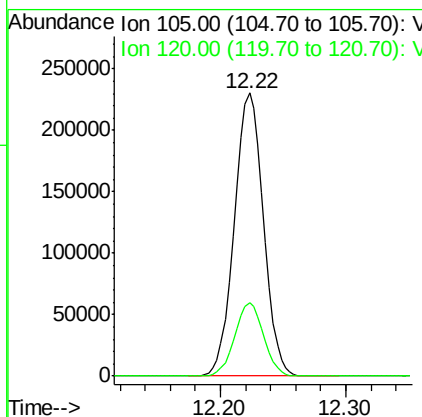
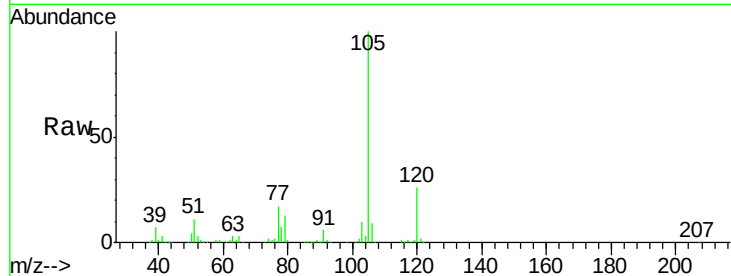
#73
Isopropylbenzene
Concen: 53.490 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.6	37.8

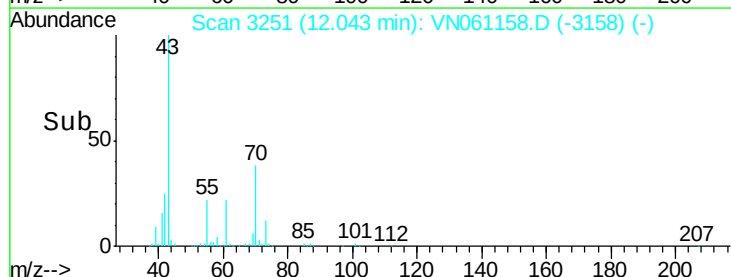
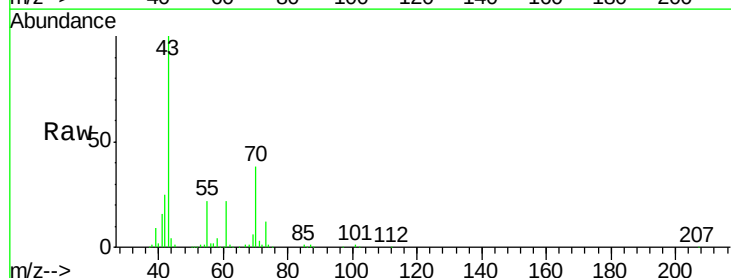
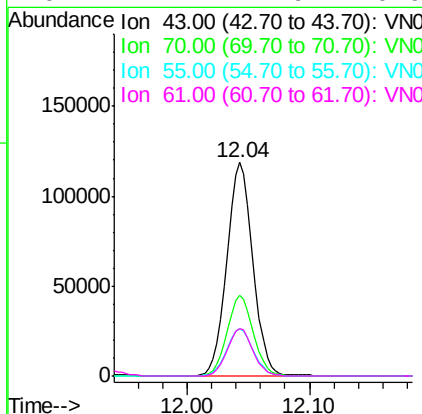
Manual Integrations
APPROVED

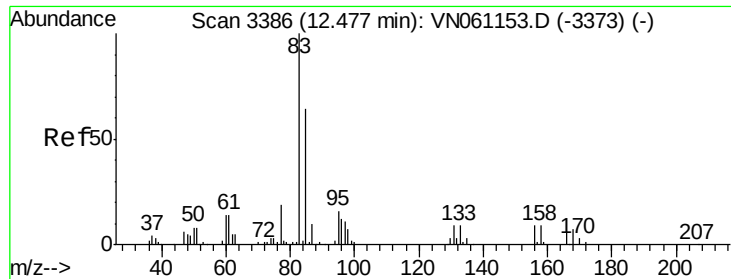
MMDadoda
4/29/2020 2:58:06 PM



#74
N-ethyl acetate
Concen: 50.699 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061158.D
Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.0	30.6	46.0
55	22.5	18.5	27.7
61	22.1	17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.280 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

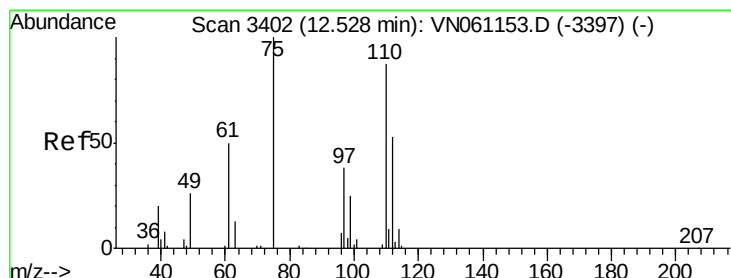
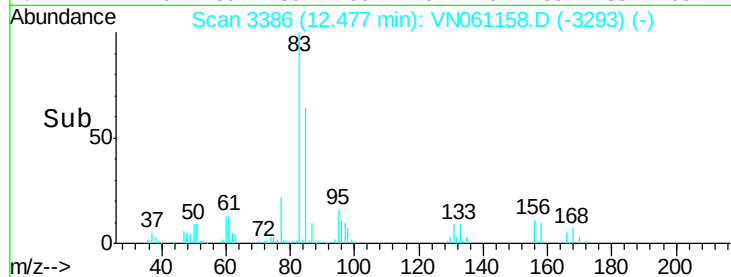
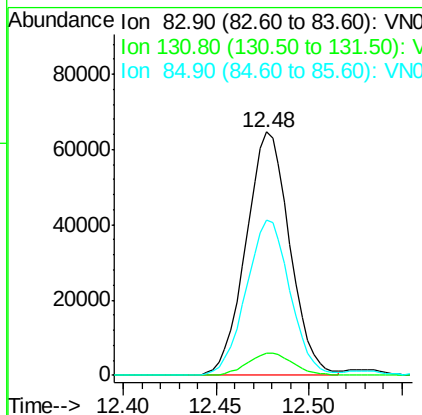
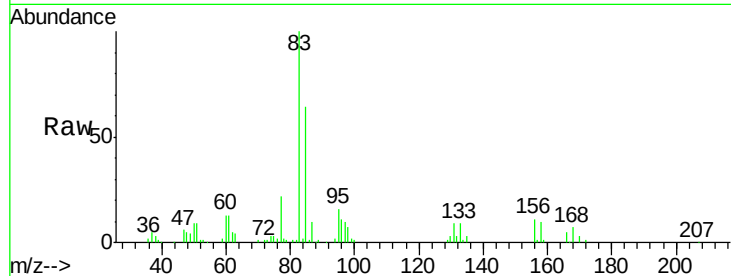
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	106413
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	64.1	32.0	96.0

Manual Integrations
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4/29/2020 2:58:06 PM



#76

1,2,3-Trichloropropane

Concen: 51.189 ug/l m

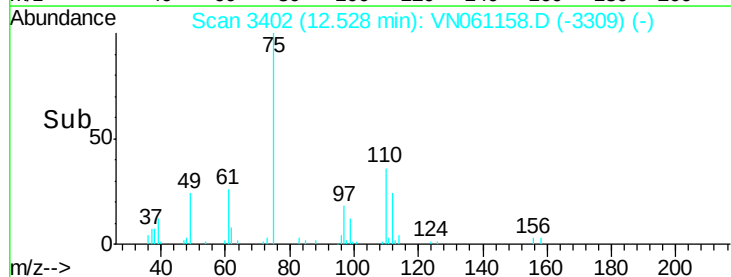
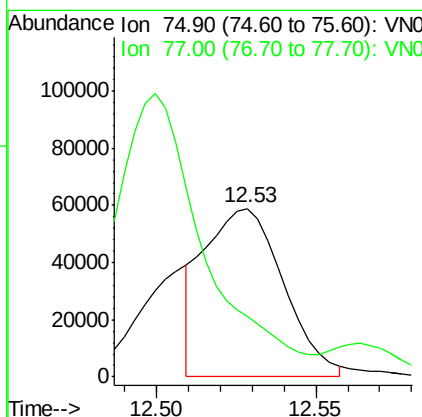
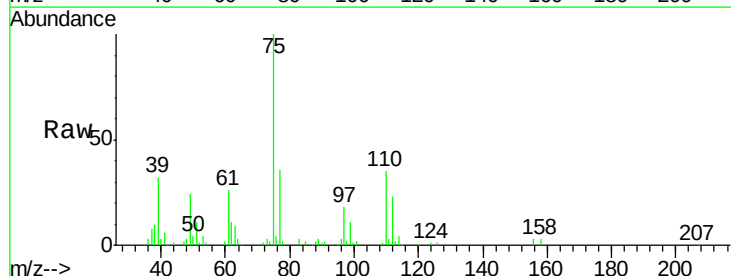
RT: 12.53 min Scan# 3402

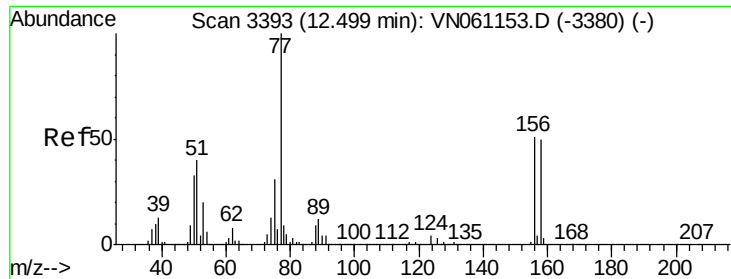
Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion:	75	Resp:	101661
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.240 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 83512

Ion Ratio Lower Upper

156 100

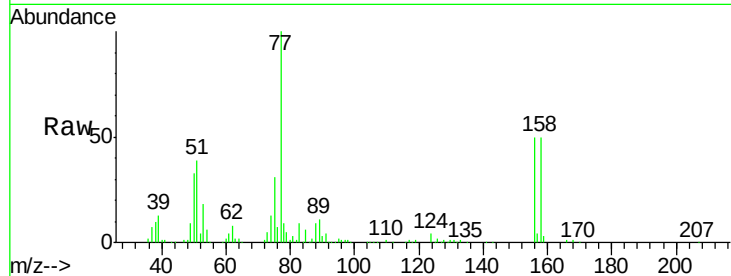
77 233.0 117.4 352.2

158 97.5 48.4 145.0

Manual Integrations
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MMDadoda

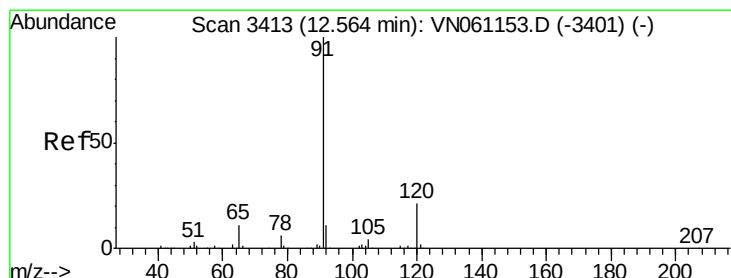
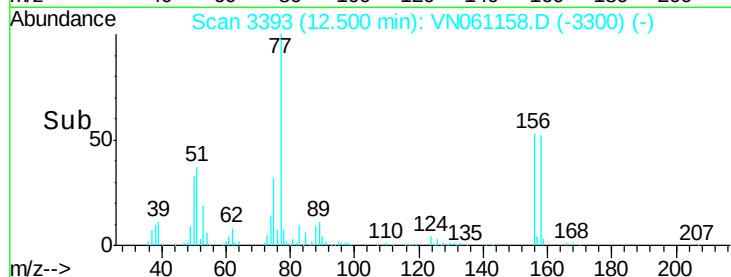
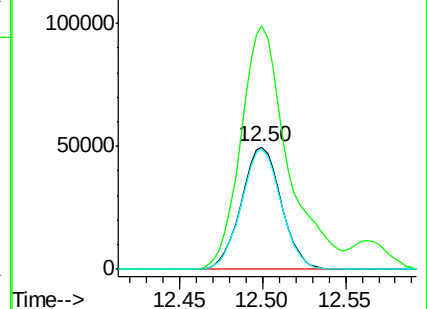
4/29/2020 2:58:06 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.239 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061158.D

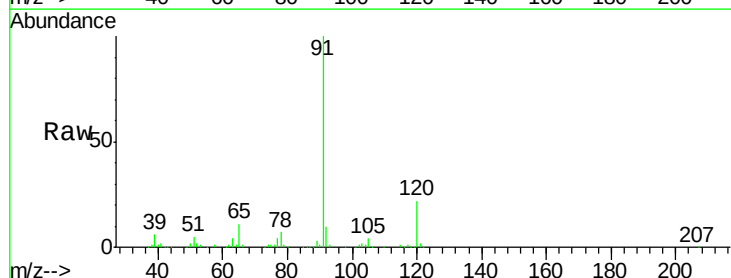
Acq: 28 Apr 2020 12:45

Tgt Ion: 91 Resp: 445522

Ion Ratio Lower Upper

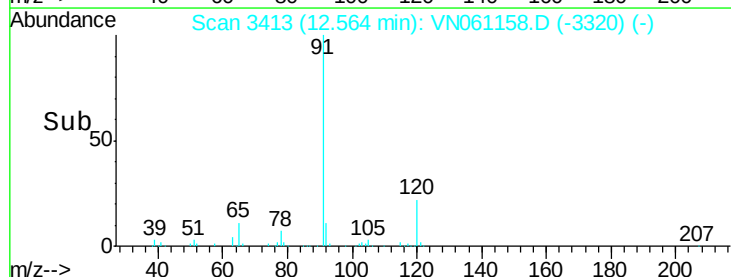
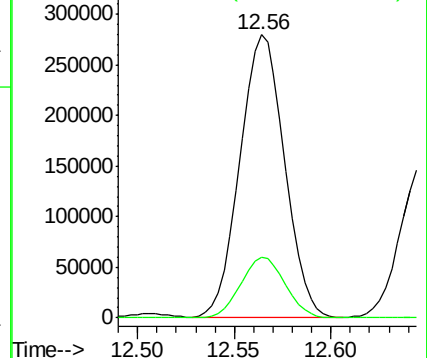
91 100

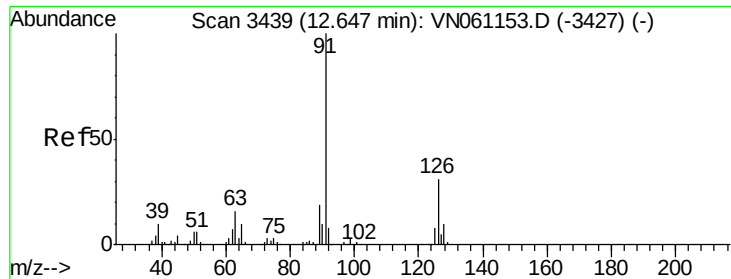
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.143 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 256576

Ion Ratio Lower Upper

91 100

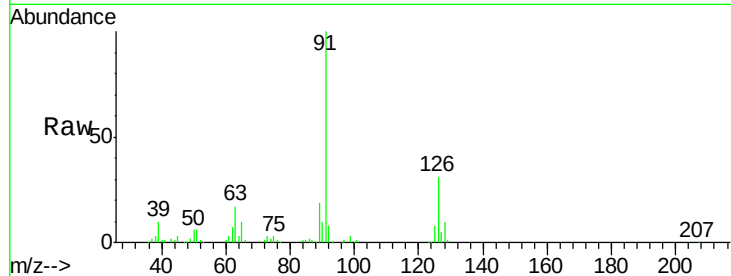
126 31.8 15.9 47.7

Manual Integrations

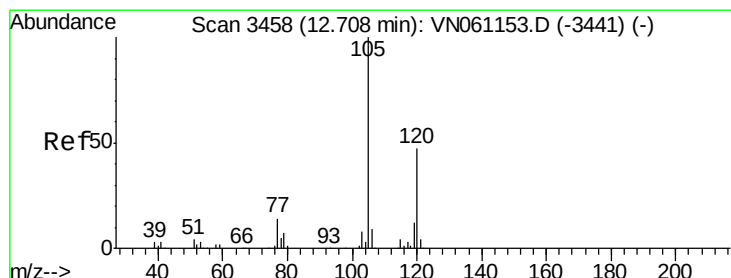
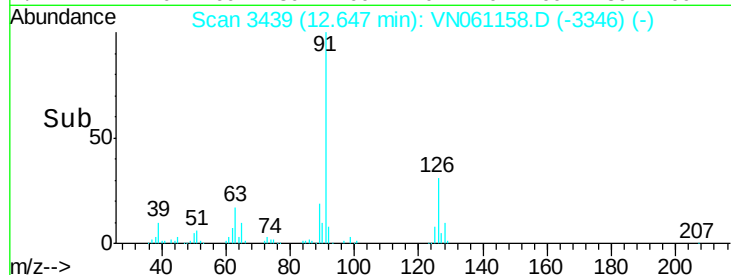
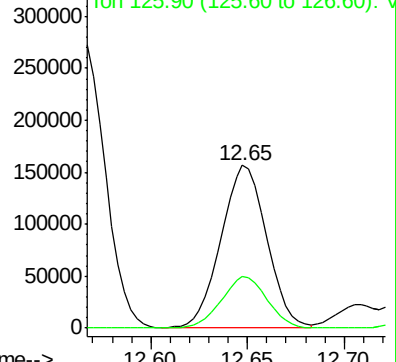
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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.967 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061158.D

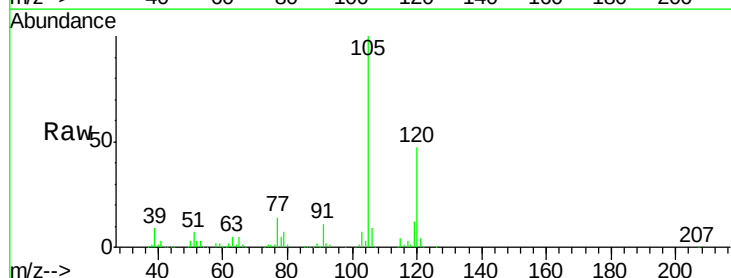
Acq: 28 Apr 2020 12:45

Tgt Ion: 105 Resp: 315055

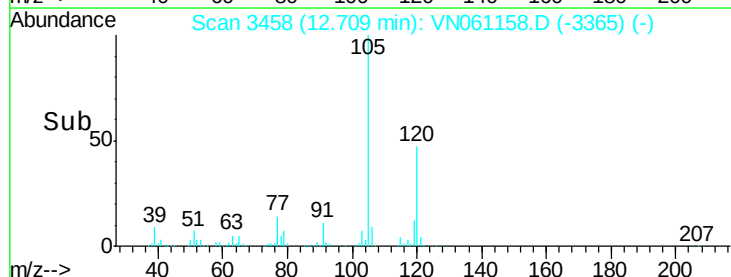
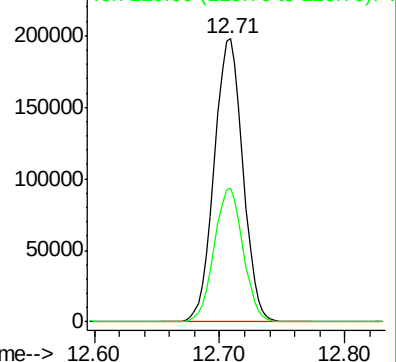
Ion Ratio Lower Upper

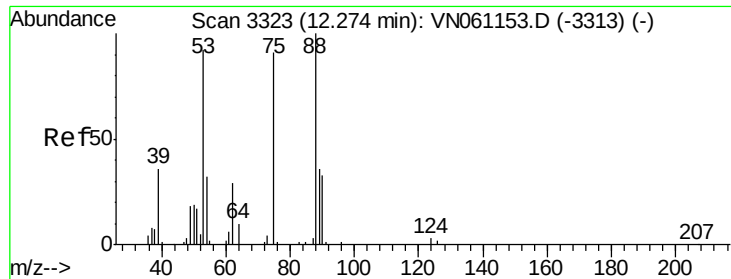
105 100

120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.200 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

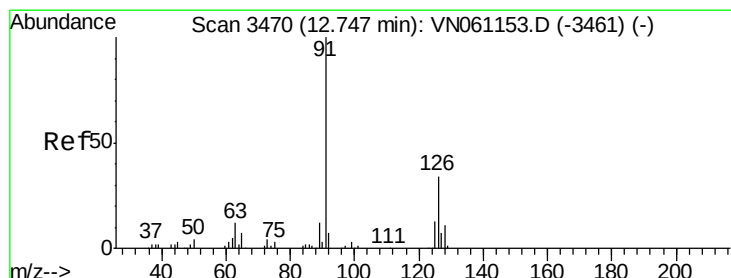
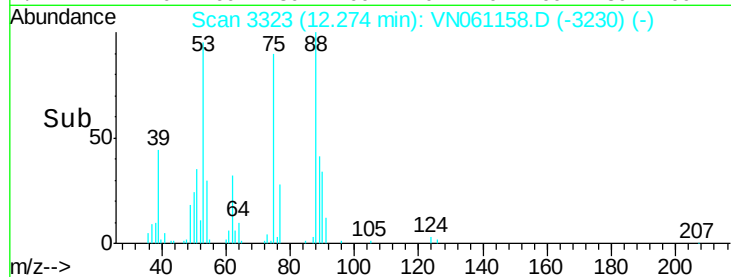
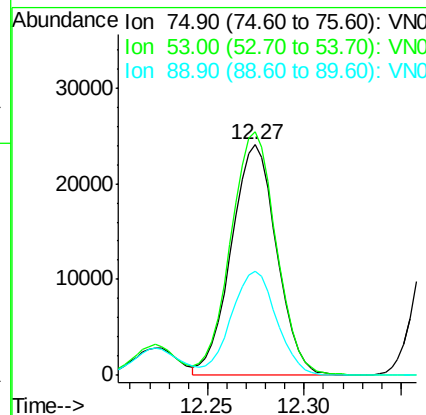
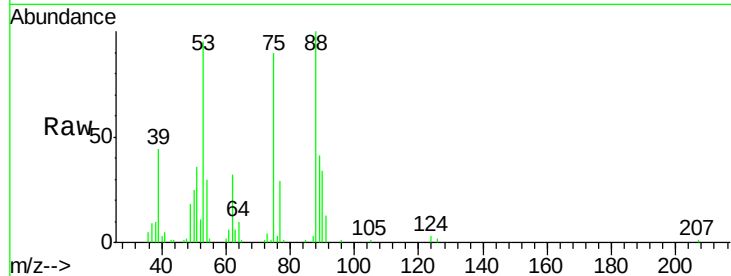
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39259
Ion	Ratio	Lower	Upper
75	100		
53	106.1	84.1	126.1
89	45.0	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.621 ug/l

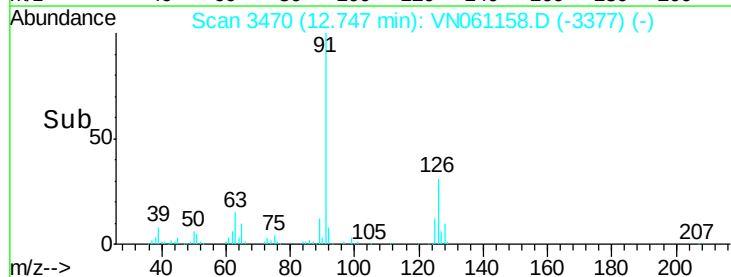
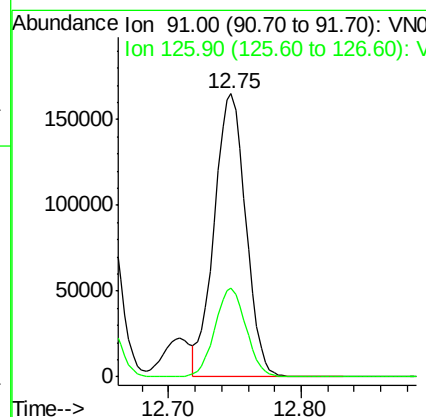
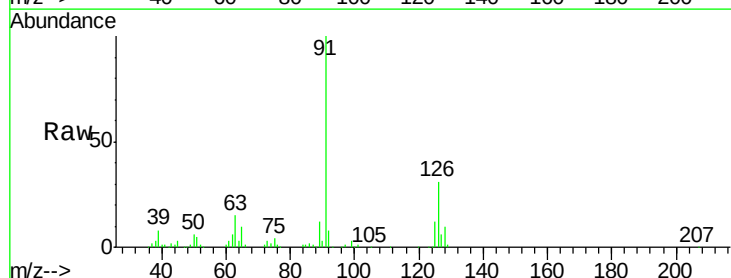
RT: 12.75 min Scan# 3470

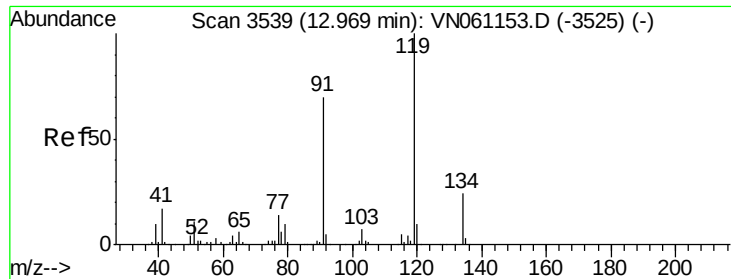
Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion:	91	Resp:	272853
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.1





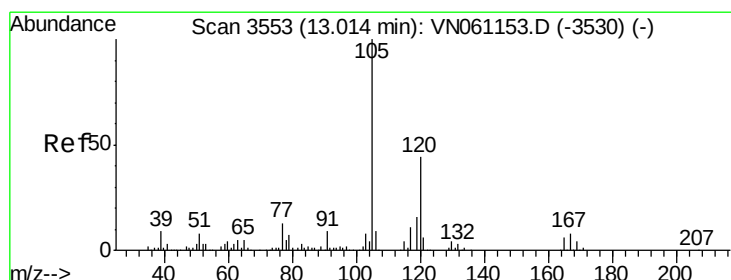
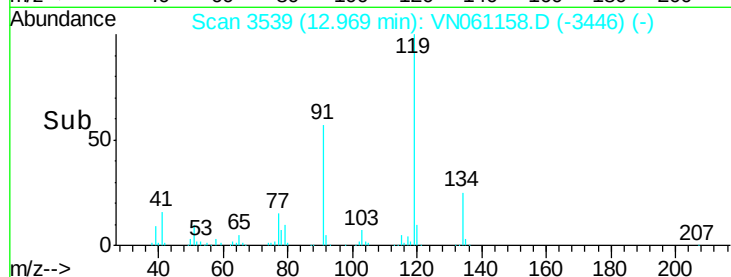
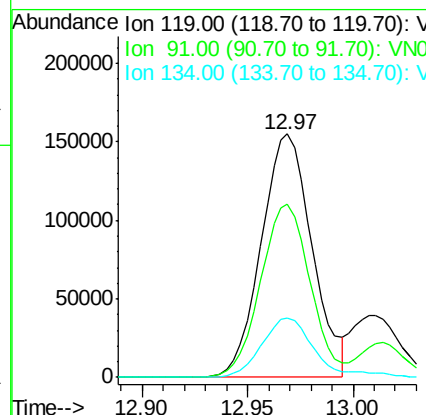
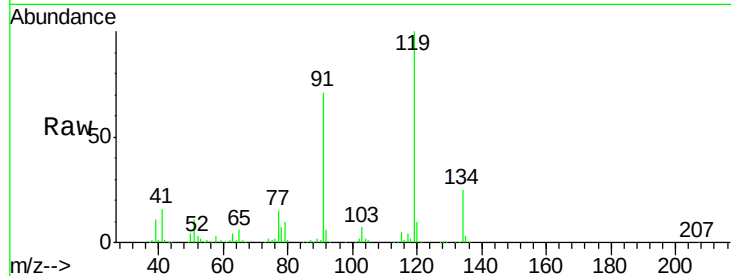
#83
 tert-Butylbenzene
 Concen: 53.769 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	259864		
91	69.2	34.8	104.4	
134	25.5	12.9	38.7	

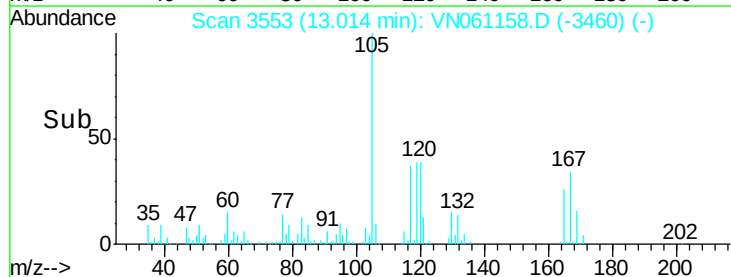
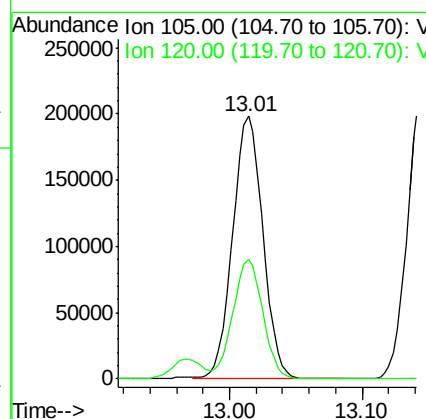
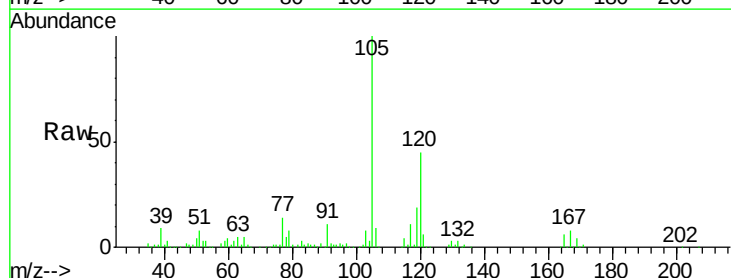
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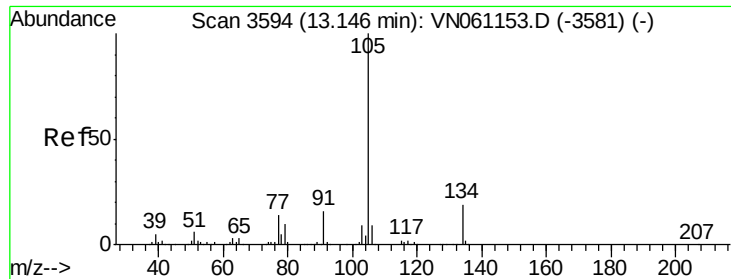
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.137 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	313783		
120	45.1	22.2	66.6	





#85

sec-Butylbenzene

Concen: 54.719 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 360552

Ion Ratio Lower Upper

105 100

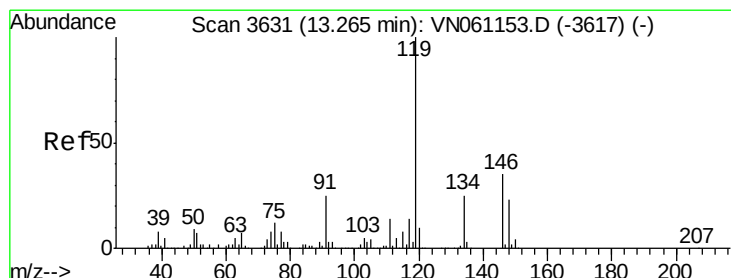
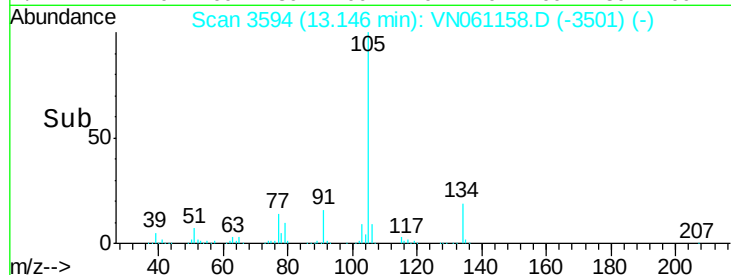
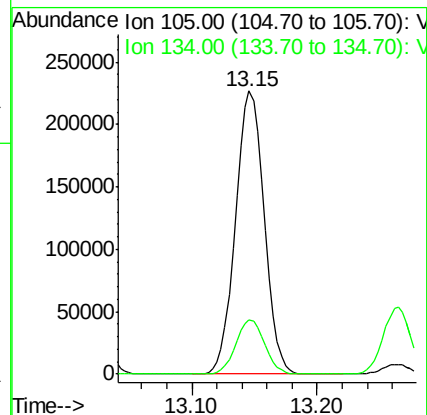
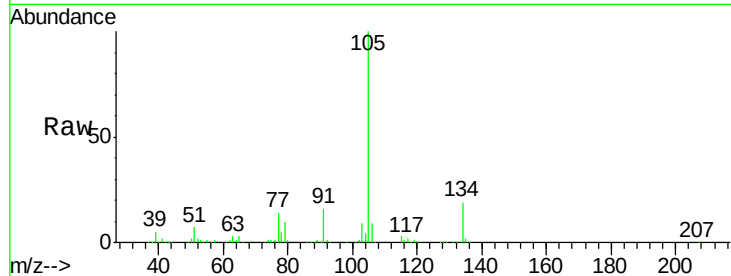
134 19.2 9.6 28.8

Manual Integrations

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4/29/2020 2:58:06 PM



#86

p-Isopropyltoluene

Concen: 55.507 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

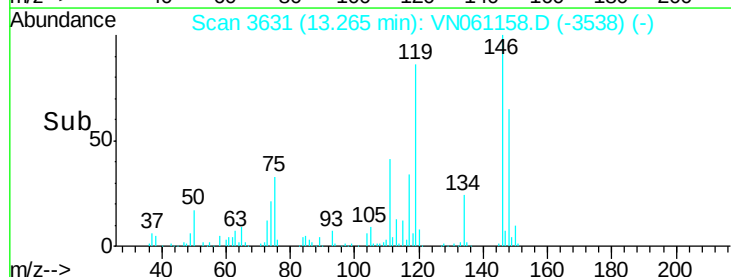
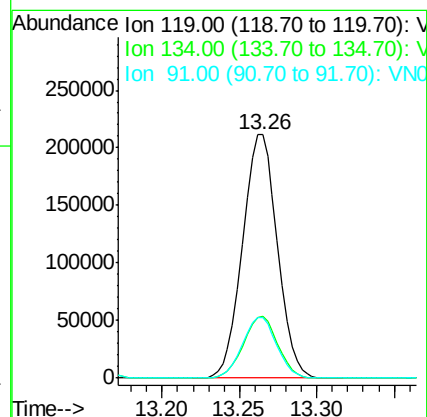
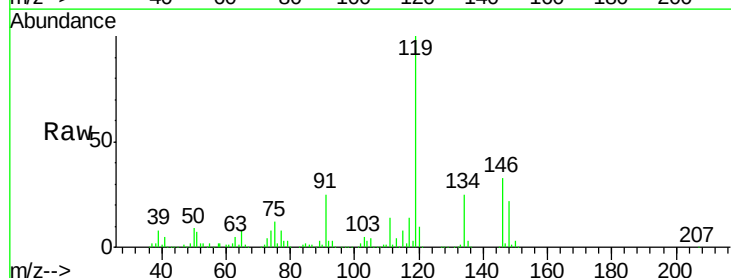
Tgt Ion:119 Resp: 329532

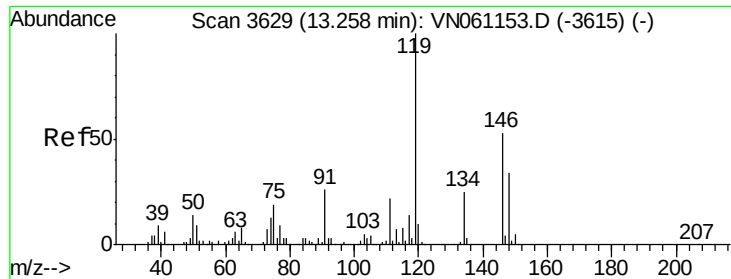
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 24.8 12.7 38.0





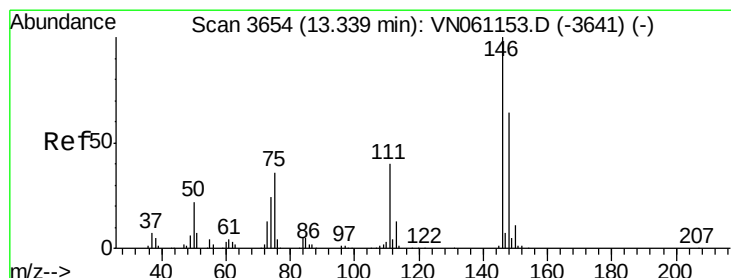
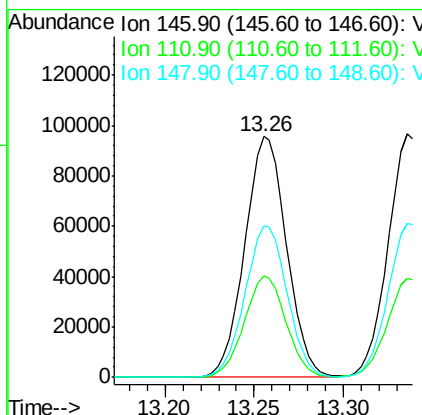
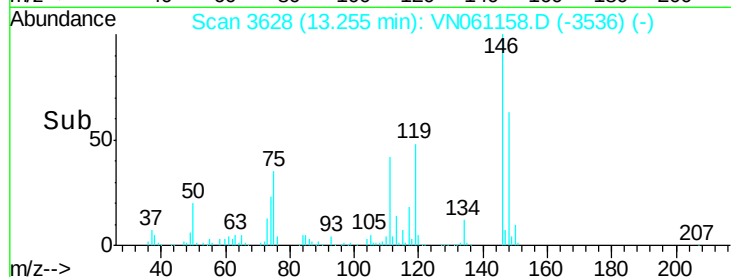
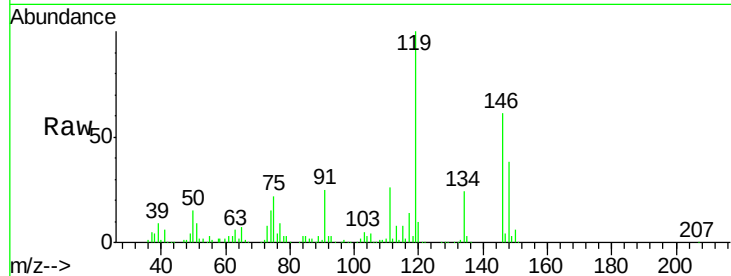
#87
 1,3-Dichlorobenzene
 Concen: 53.218 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.7	62.1
148	63.3	31.8	95.3

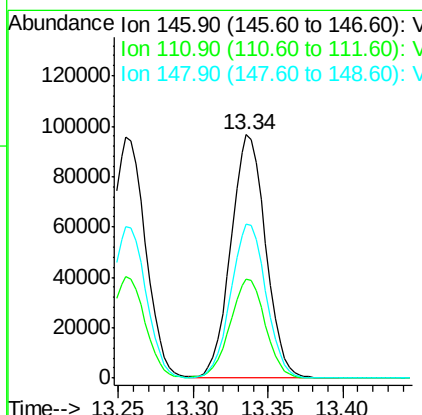
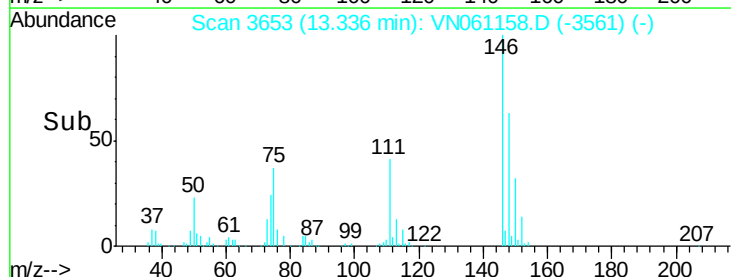
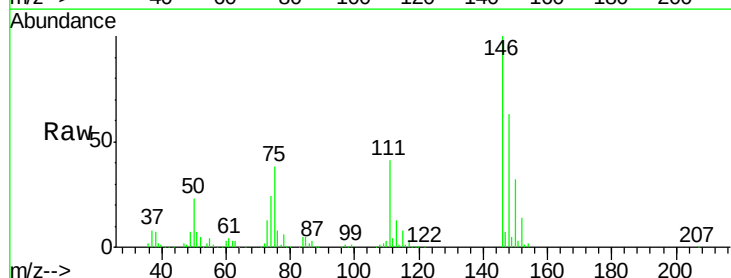
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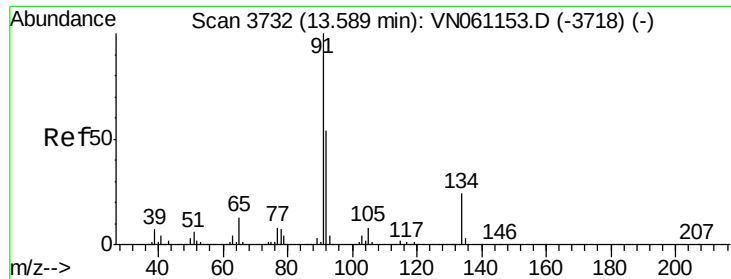
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#88
 1,4-Dichlorobenzene
 Concen: 52.115 ug/l
 RT: 13.34 min Scan# 3653
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.3
148	64.0	31.9	95.7





#89

n-Butylbenzene

Concen: 56.744 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

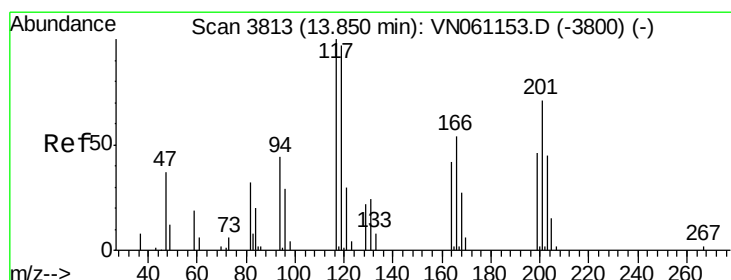
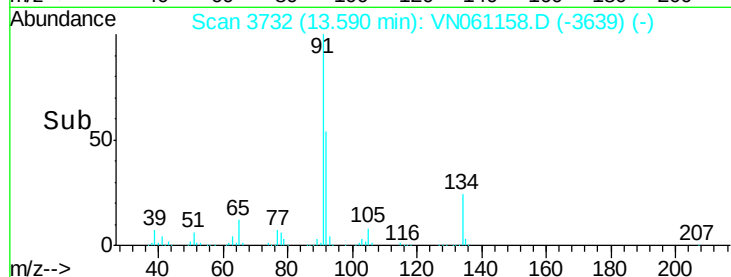
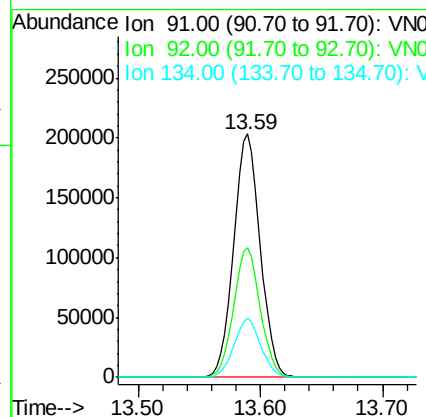
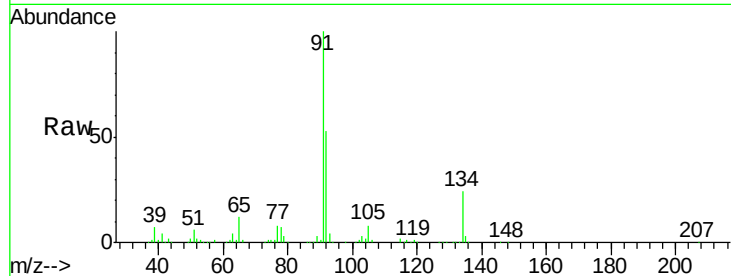
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	308828
Ion Ratio	Lower	Upper	
91	100		
92	53.1	26.8	80.3
134	24.2	11.9	35.5

Manual Integrations
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#90

Hexachloroethane

Concen: 45.949 ug/l

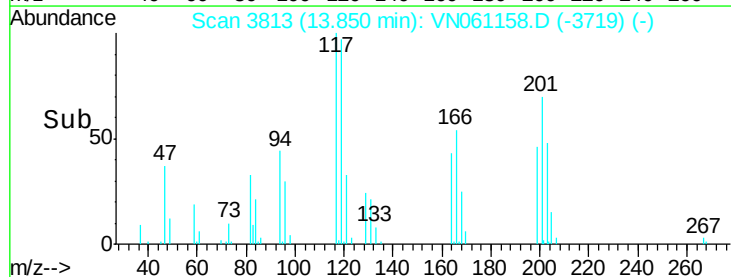
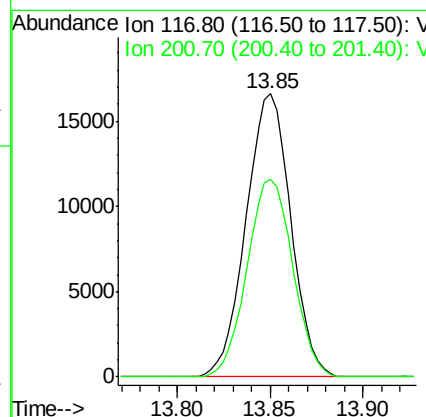
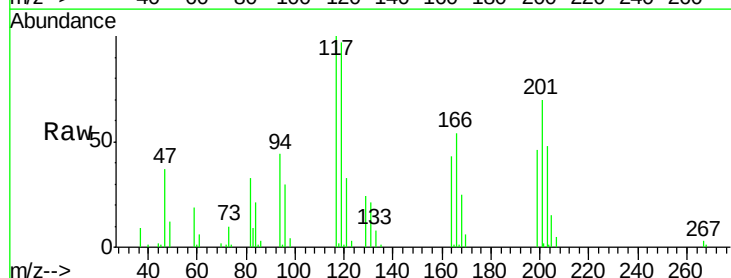
RT: 13.85 min Scan# 3813

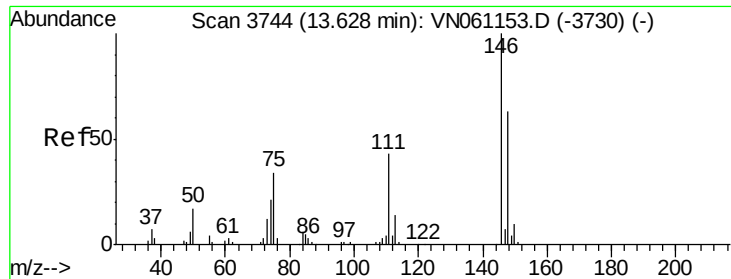
Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion:	117	Resp:	28002
Ion Ratio	Lower	Upper	
117	100		
201	71.2	35.5	106.7





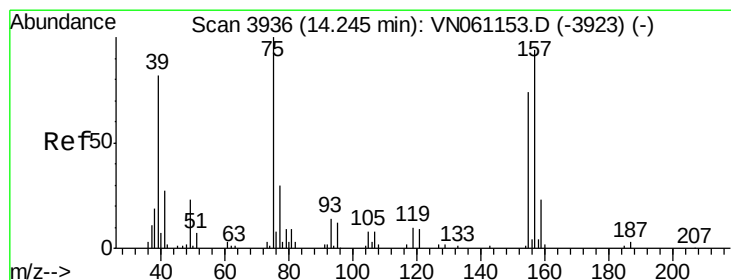
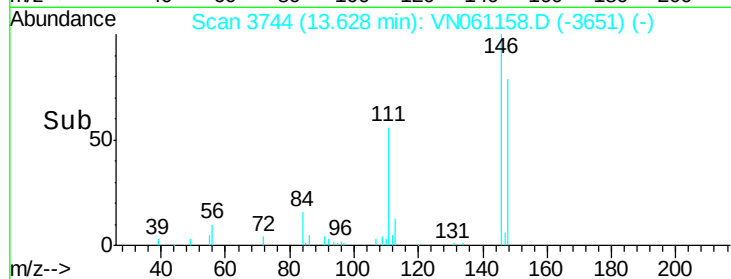
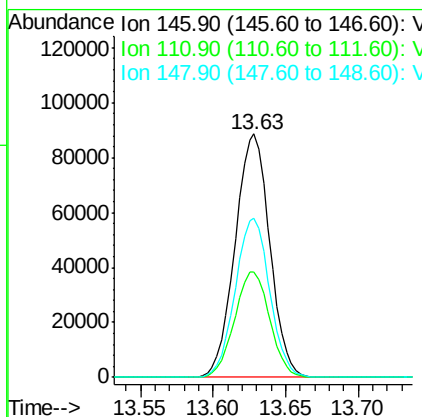
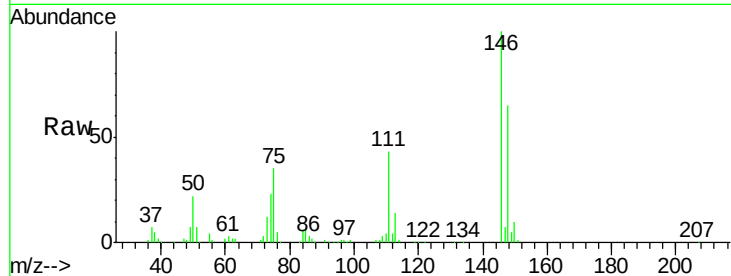
#91
 1,2-Dichlorobenzene
 Concen: 52.204 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	147309
Ion Ratio	Lower	Upper	
146	100		
111	43.9	21.8	65.3
148	64.9	31.6	95.0

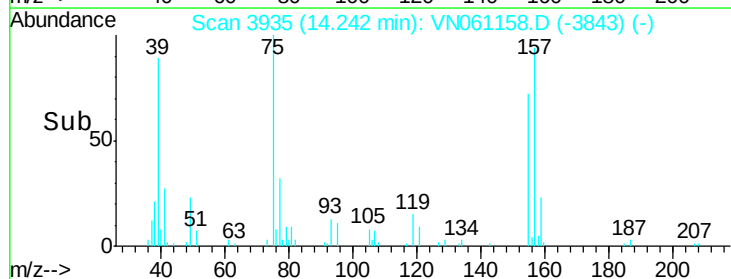
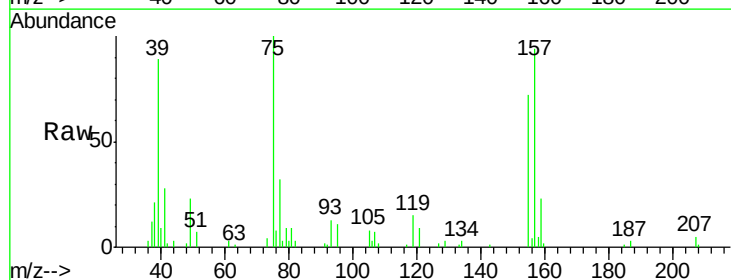
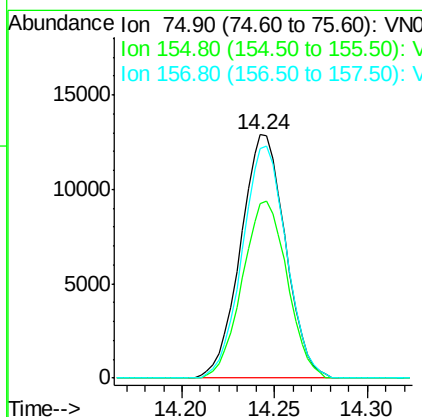
Manual Integrations
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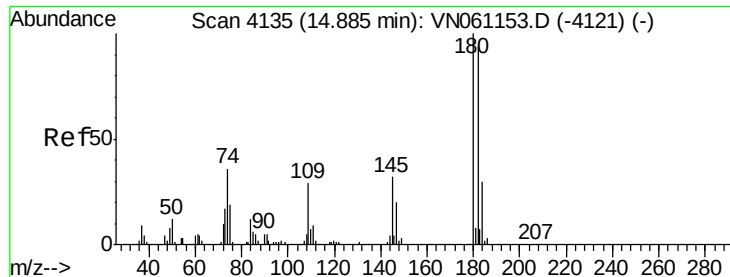
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.648 ug/l
 RT: 14.24 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion:	75	Resp:	21730
Ion Ratio	Lower	Upper	
75	100		
155	72.6	36.5	109.7
157	93.6	46.6	139.7





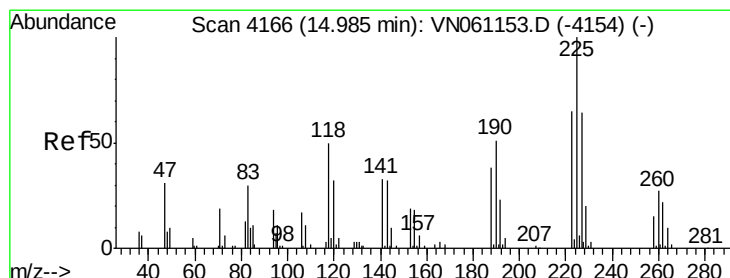
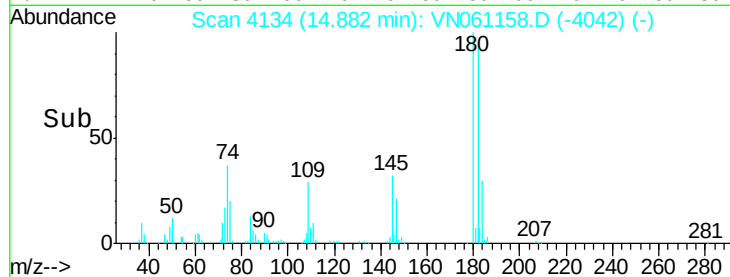
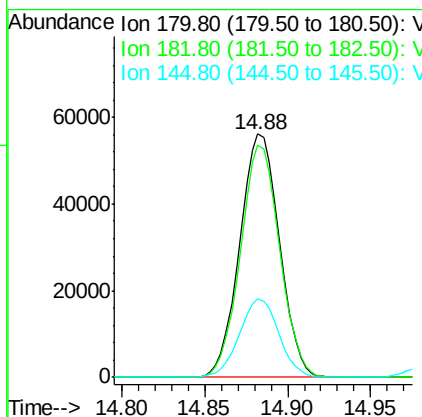
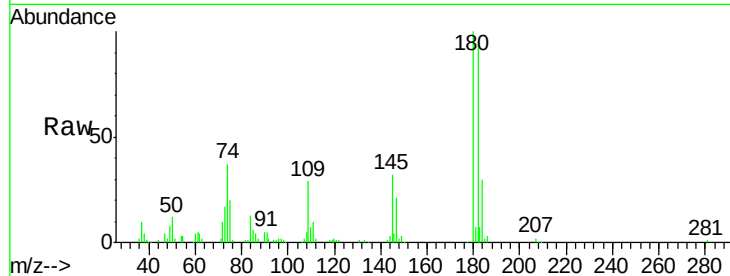
#93
 1,2,4-Trichlorobenzene
 Concen: 54.458 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.3	141.9	
145	32.0	16.0	47.9	

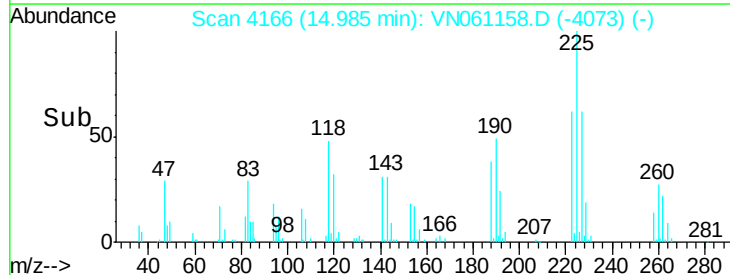
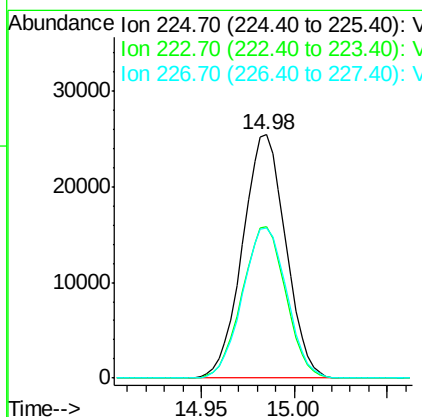
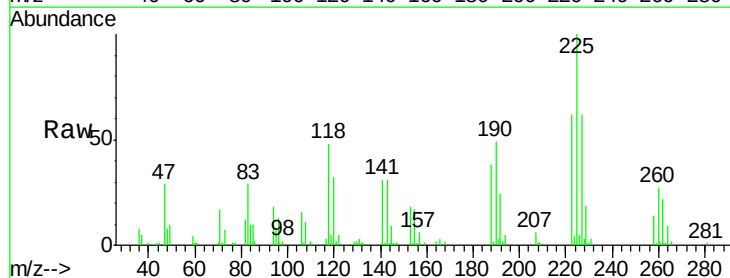
Manual Integrations
 APPROVED

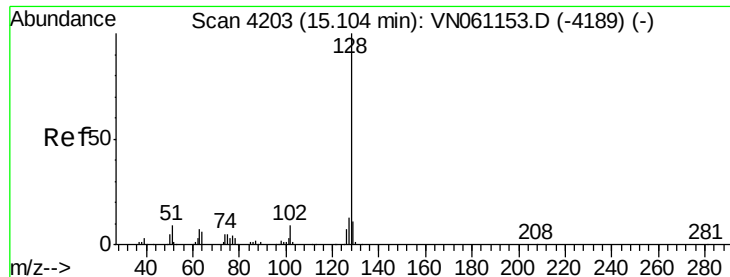
MMDadoda
 4/29/2020 2:58:06 PM



#94
 Hexachlorobutadiene
 Concen: 57.341 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061158.D
 Acq: 28 Apr 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	32.4	97.0	
227	63.0	32.4	97.0	





#95

Naphthalene

Concen: 50.186 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Instrument :

MSVOA_N

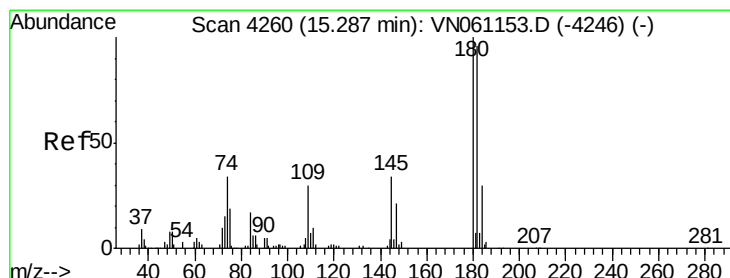
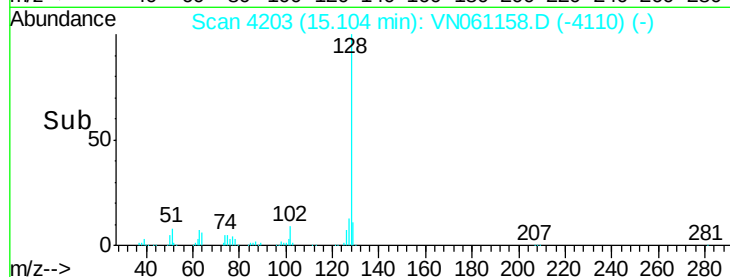
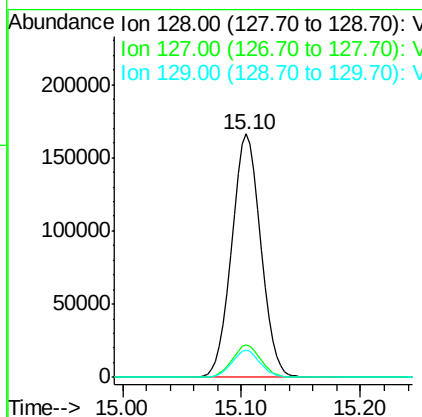
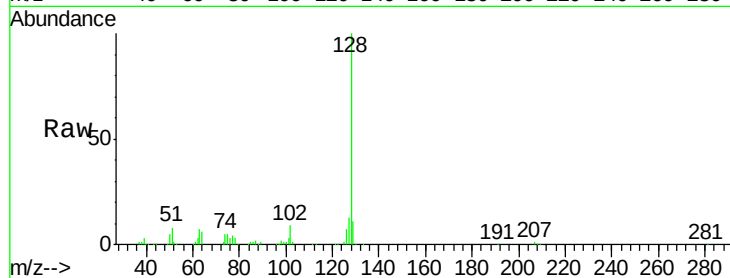
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	280846
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/29/2020 2:58:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.186 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061158.D

Acq: 28 Apr 2020 12:45

Tgt Ion:	180	Resp:	88535
Ion Ratio		Lower	Upper
180	100		
182	95.7	47.5	142.5
145	34.6	16.9	50.7

