

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061246.D
 Acq On : 2 May 2020 00:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:07 PM

Quant Time: May 04 07:05:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	91585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	163250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	154479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	71411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	78793	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
35) Dibromofluoromethane	7.54	113	46413	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.06	98	192199	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.37	95	71821	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42860	44.132	ug/l	100
3) Chloromethane	2.03	50	74989	63.754	ug/l	100
4) Vinyl Chloride	2.16	62	69252	51.837	ug/l	99
5) Bromomethane	2.53	94	33128	50.165	ug/l	100
6) Chloroethane	2.67	64	46208	54.569	ug/l	97
7) Trichlorofluoromethane	2.98	101	78846	52.311	ug/l	99
8) Diethyl Ether	3.37	74	42942	68.304	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47012	48.415	ug/l	99
10) Methyl Iodide	3.91	142	66091	52.962	ug/l	98
11) Tert butyl alcohol	4.72	59	56762	292.398	ug/l	100
12) 1,1-Dichloroethene	3.69	96	48473	50.164	ug/l	98
13) Acrolein	3.56	56	37184	287.432	ug/l	97
14) Allyl chloride	4.27	41	118784	66.297	ug/l	94
15) Acrylonitrile	4.92	53	193060	323.972	ug/l	99
16) Acetone	3.77	43	167855	300.614	ug/l	96
17) Carbon Disulfide	4.01	76	124341	46.583	ug/l	100
18) Methyl Acetate	4.27	43	103174	56.314	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	226597	61.370	ug/l	99
20) Methylene Chloride	4.50	84	68507	60.626	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	57769	54.903	ug/l	98
22) Diisopropyl ether	5.90	45	269307	64.819	ug/l	99
23) Vinyl Acetate	5.84	43	1080985	323.131	ug/l	99
24) 1,1-Dichloroethane	5.79	63	126266	58.166	ug/l	100
25) 2-Butanone	6.78	43	260443	303.719	ug/l	100
26) 2,2-Dichloropropane	6.77	77	81491	44.569	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	71920	58.245	ug/l	97
28) Bromochloromethane	7.15	49	66259	64.397	ug/l	94
29) Tetrahydrofuran	7.16	42	180253	312.051	ug/l	97
30) Chloroform	7.32	83	124810	56.735	ug/l	97
31) Cyclohexane	7.61	56	90830	43.085	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	95090	49.639	ug/l	99
36) 1,1-Dichloropropene	7.75	75	79170	48.445	ug/l	100
37) Ethyl Acetate	6.87	43	115263	60.163	ug/l	100
38) Carbon Tetrachloride	7.73	117	66440	44.809	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	82246	44.877	ug/l	97
40) Benzene	8.00	78	264760	54.380	ug/l	100
41) Methacrylonitrile	7.12	41	47411m	59.603	ug/l	
42) 1,2-Dichloroethane	8.08	62	108706	58.937	ug/l	100
43) Isopropyl Acetate	8.12	43	189656	59.649	ug/l	99
44) Trichloroethene	8.80	130	62681	47.624	ug/l	98
45) 1,2-Dichloropropane	9.08	63	76721	58.983	ug/l	99
46) Dibromomethane	9.17	93	48437	60.143	ug/l	99
47) Bromodichloromethane	9.37	83	101539	58.739	ug/l	99
48) Methyl methacrylate	9.16	41	87326	60.864	ug/l	99
49) 1,4-Dioxane	9.16	88	19533	1199.338	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	572086	305.678	ug/l	100
52) Toluene	10.12	92	155796	53.126	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	110083	56.517	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	118237	57.418	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	67822	57.981	ug/l	100
56) Ethyl methacrylate	10.40	69	111285	54.346	ug/l	97
57) 1,3-Dichloropropane	10.68	76	123661	60.144	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	290625	306.947	ug/l	99
59) 2-Hexanone	10.72	43	408294	299.869	ug/l	100
60) Dibromochloromethane	10.87	129	70446	57.502	ug/l	100
61) 1,2-Dibromoethane	10.98	107	68538	58.459	ug/l	100
64) Tetrachloroethene	10.60	164	59021	44.113	ug/l	98
65) Chlorobenzene	11.40	112	159563	52.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61607	56.172	ug/l	98
67) Ethyl Benzene	11.48	91	291053	50.738	ug/l	99
68) m/p-Xylenes	11.59	106	214422	102.120	ug/l	99
69) o-Xylene	11.92	106	103140	51.138	ug/l	97
70) Styrene	11.94	104	182141	53.957	ug/l	99
71) Bromoform	12.10	173	47220	58.581	ug/l #	99
73) Isopropylbenzene	12.22	105	268299	51.107	ug/l	99
74) N-amyl acetate	12.04	43	162817	61.247	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	100539	61.419	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	86955m	57.757	ug/l	
77) Bromobenzene	12.50	156	67338	55.565	ug/l	97
78) n-propylbenzene	12.56	91	322936	51.862	ug/l	100
79) 2-Chlorotoluene	12.65	91	194654	53.185	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	232877	53.596	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	33608	56.689	ug/l	100
82) 4-Chlorotoluene	12.75	91	207603	53.818	ug/l	98
83) tert-Butylbenzene	12.97	119	182920	49.927	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	236531	52.838	ug/l	100
85) sec-Butylbenzene	13.15	105	252798	50.609	ug/l	99
86) p-Isopropyltoluene	13.26	119	229284	50.947	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	118481	53.107	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	118642	52.048	ug/l	99
89) n-Butylbenzene	13.59	91	212602	51.530	ug/l	100
90) Hexachloroethane	13.85	117	26402	55.291	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	117363	54.865	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19933	57.656	ug/l	97

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VSTDCCC050

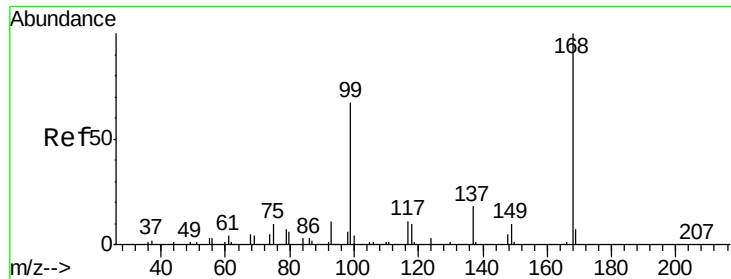
Manual Integrations
APPROVED

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5/4/2020 2:58:07 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	68614	52.674	ug/l	100
94) Hexachlorobutadiene	14.99	225	27696	50.893	ug/l	99
95) Naphthalene	15.10	128	225311	53.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	68844	53.530	ug/l	100

(#) = 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: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 91585

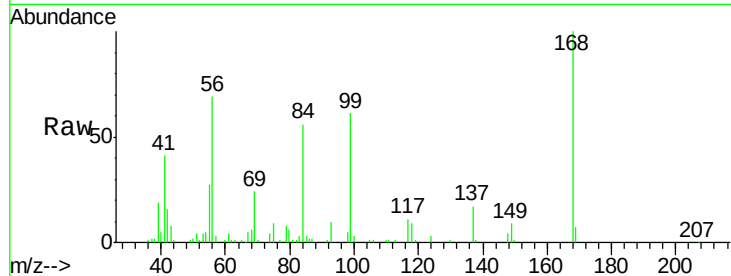
Ion Ratio Lower Upper

168 100

99 61.2 51.2 76.8

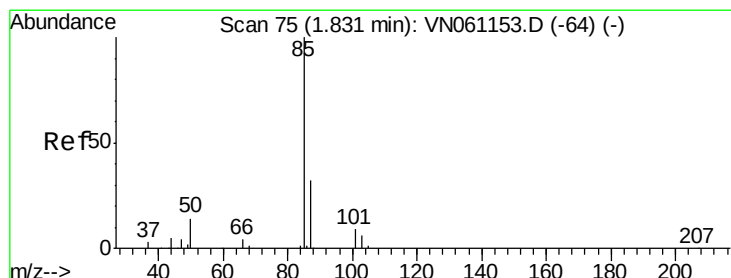
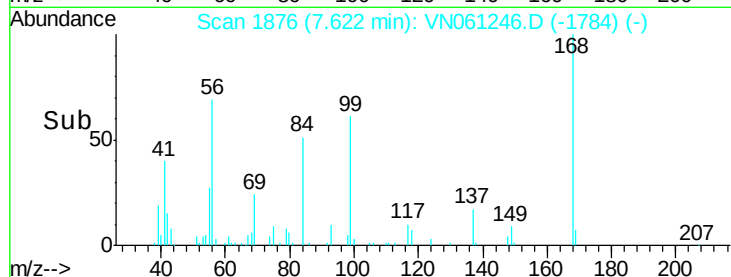
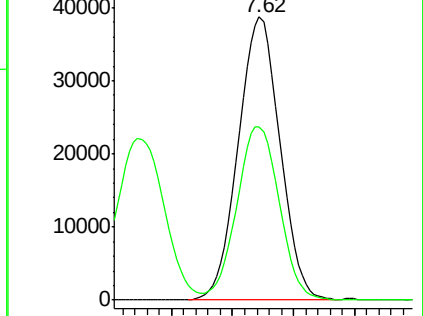
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.132 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061246.D

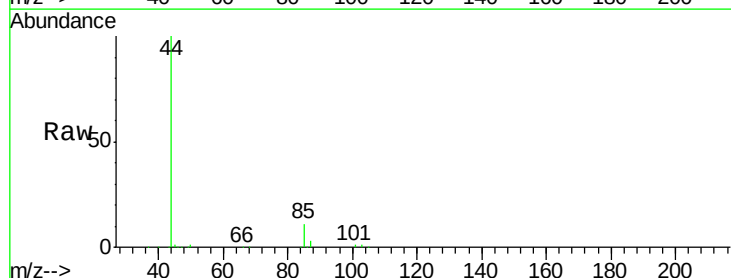
Acq: 2 May 2020 00:48

Tgt Ion: 85 Resp: 42860

Ion Ratio Lower Upper

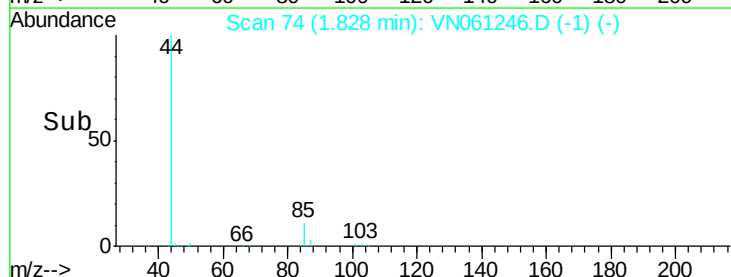
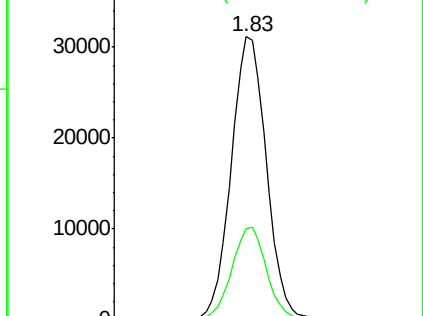
85 100

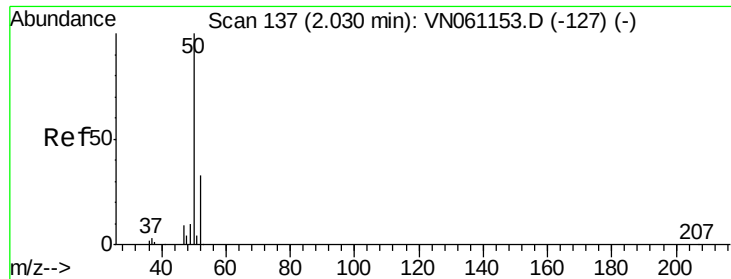
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 63.754 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 74989

Ion Ratio Lower Upper

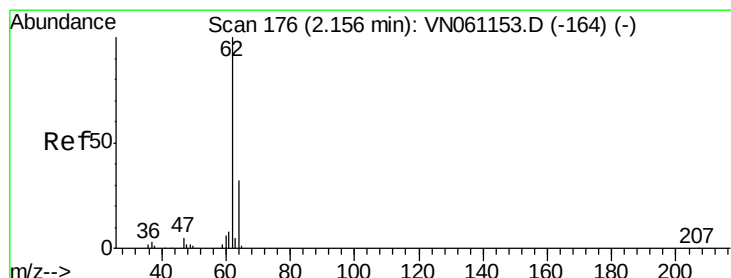
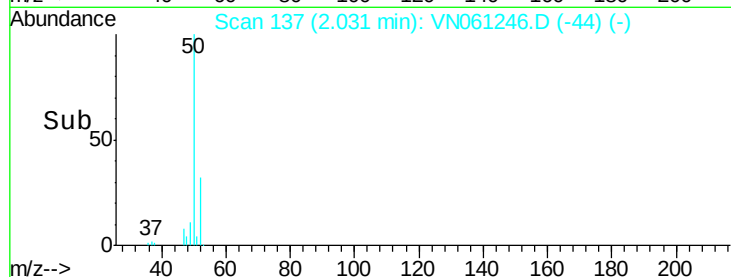
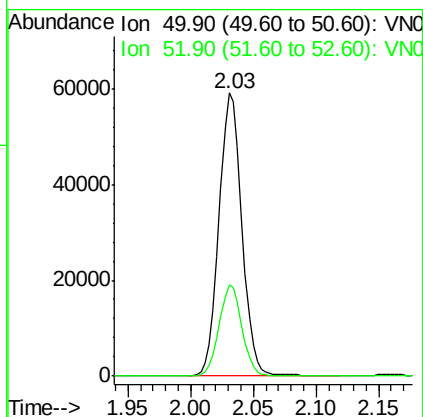
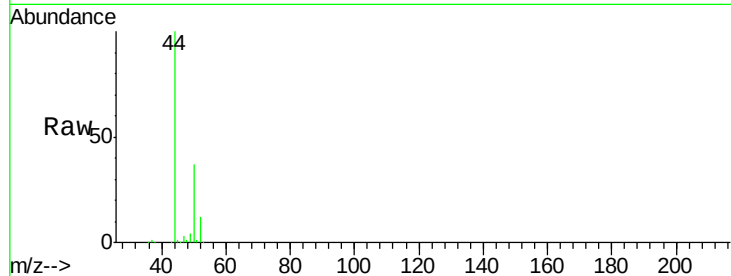
50 100

52 32.3 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 51.837 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061246.D

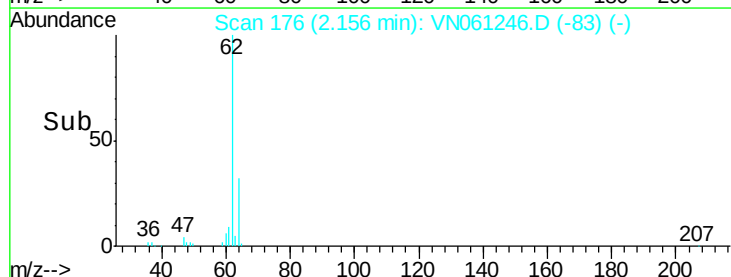
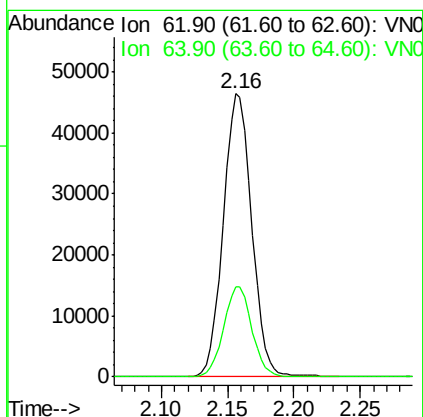
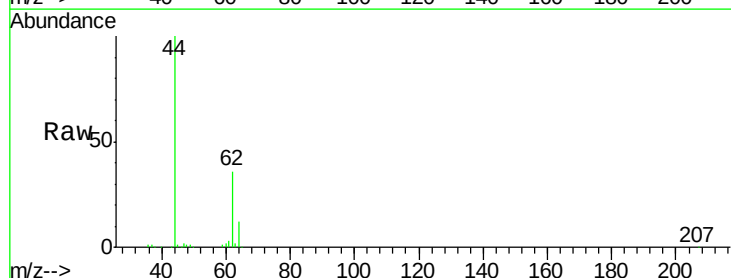
Acq: 2 May 2020 00:48

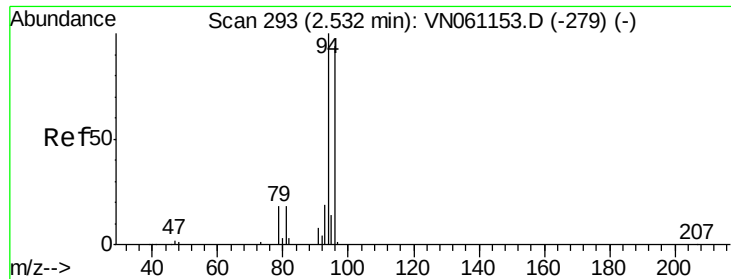
Tgt Ion: 62 Resp: 69252

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 50.165 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 33128

Ion Ratio Lower Upper

94 100

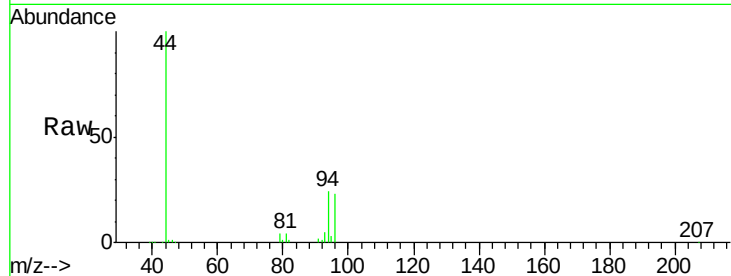
96 93.9 75.1 112.7

Manual Integrations

APPROVED

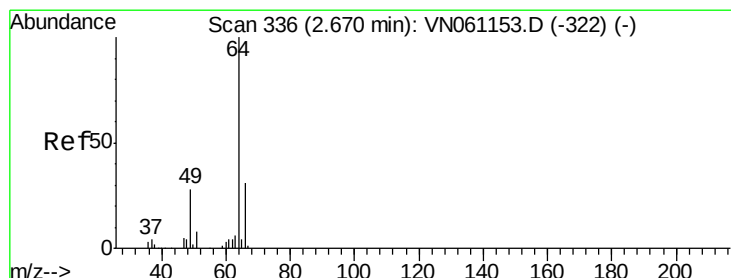
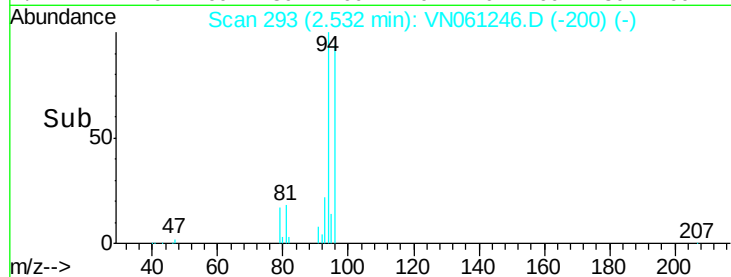
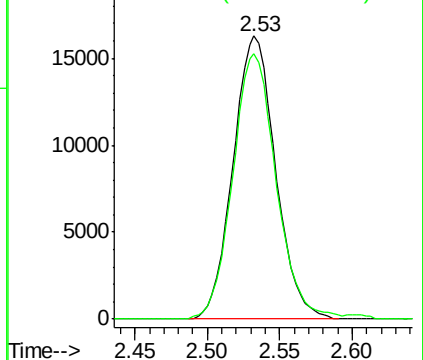
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 54.569 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061246.D

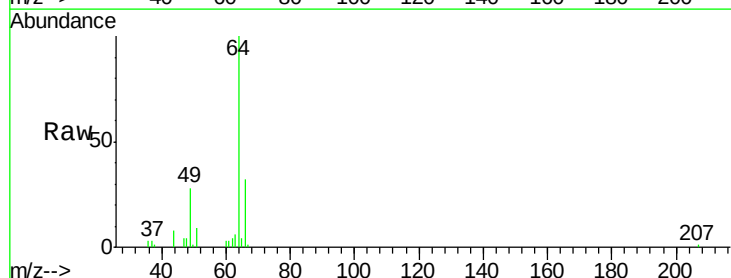
Acq: 2 May 2020 00:48

Tgt Ion: 64 Resp: 46208

Ion Ratio Lower Upper

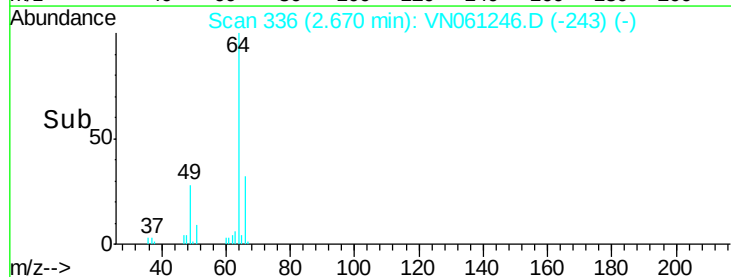
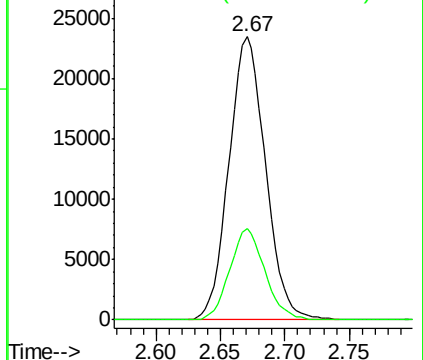
64 100

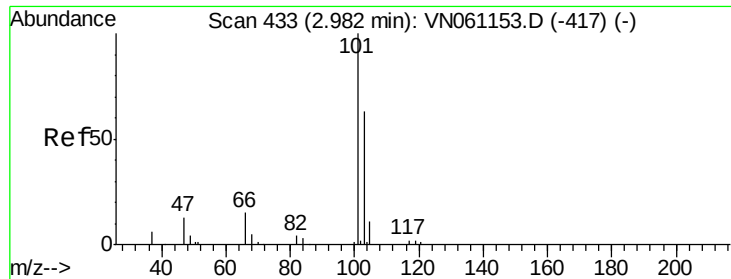
66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

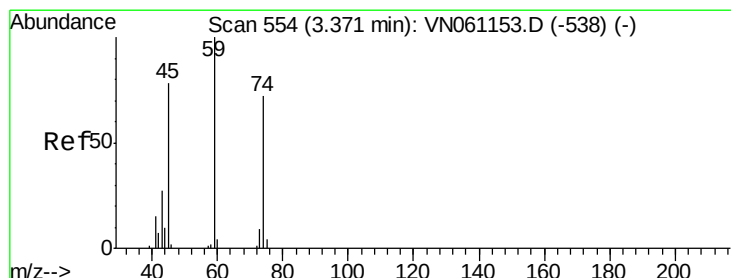
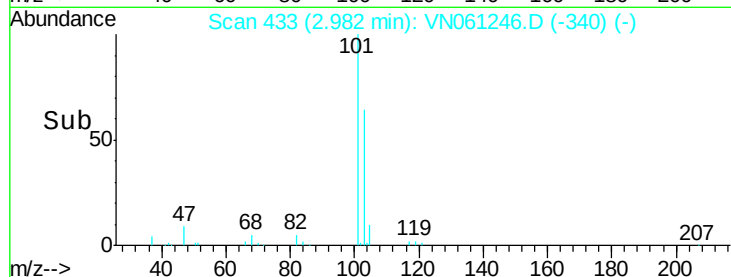
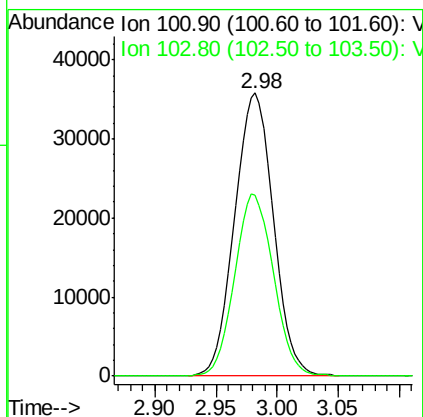
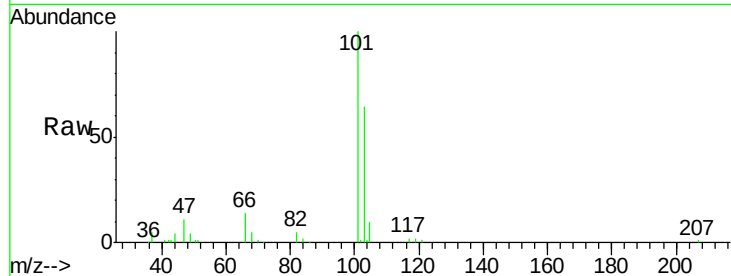
Trichlorofluoromethane
Concen: 52.311 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.6	76.0

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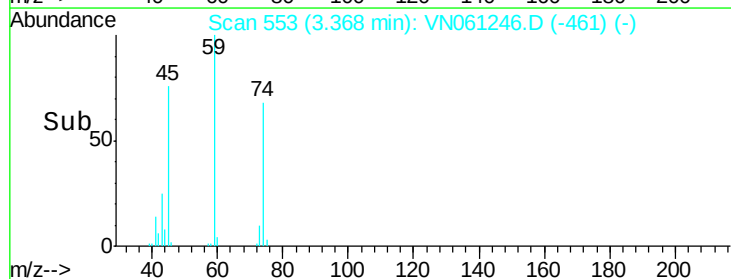
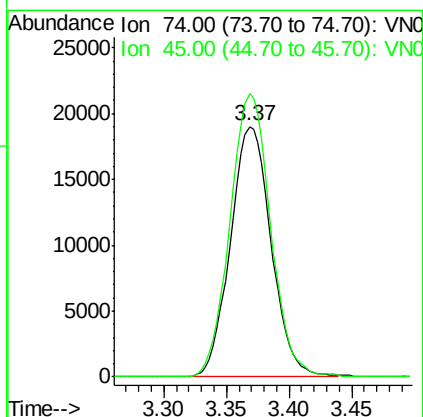
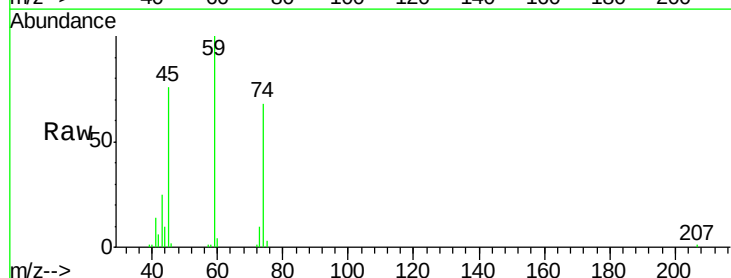
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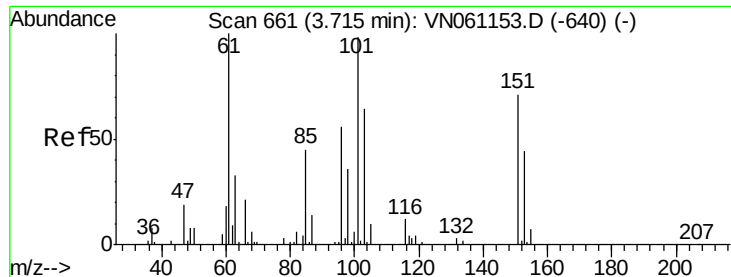


#8

Diethyl Ether
Concen: 68.304 ug/l
RT: 3.37 min Scan# 553
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.9	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.415 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

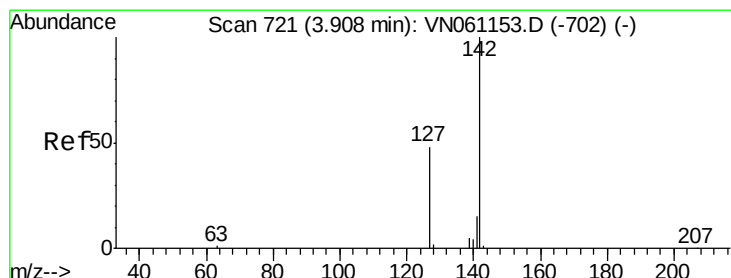
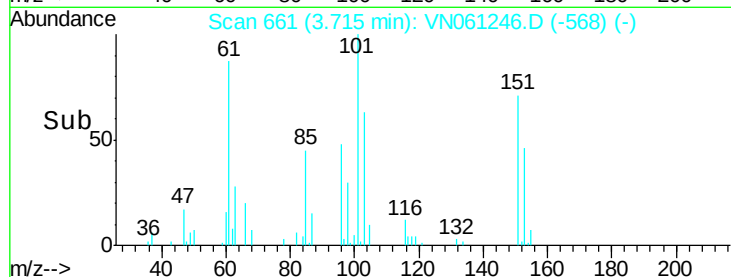
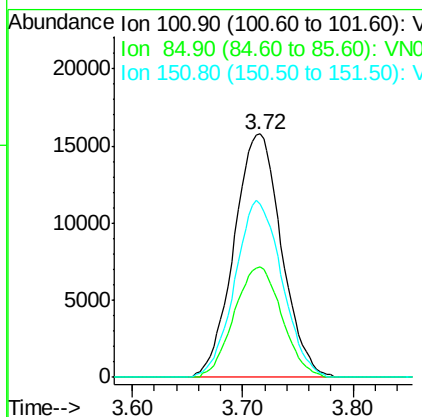
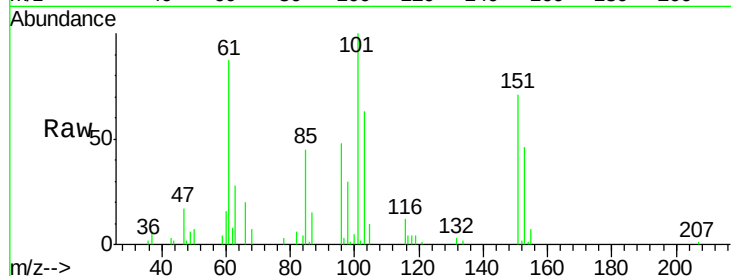
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	47012
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.2	55.8
151	71.9	57.7	86.5

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#10

Methyl Iodide

Concen: 52.962 ug/l

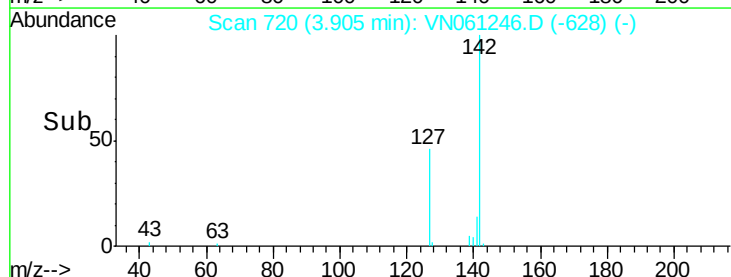
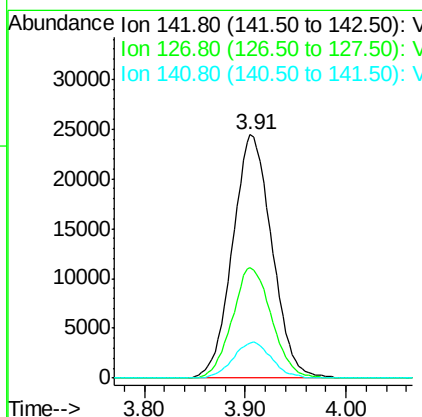
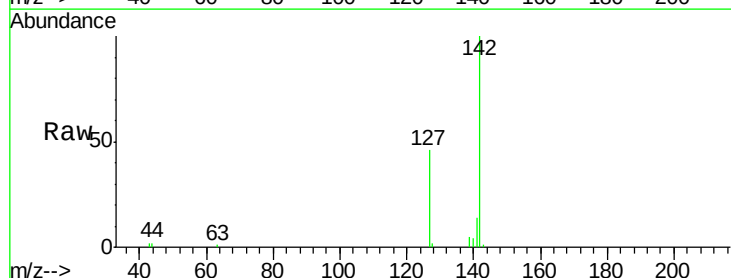
RT: 3.91 min Scan# 720

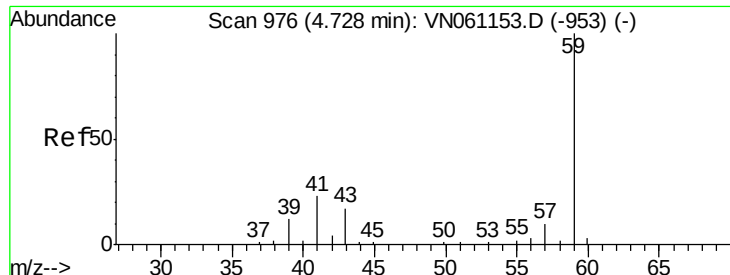
Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion:	142	Resp:	66091
Ion Ratio	Lower	Upper	
142	100		
127	45.5	38.0	57.0
141	14.6	11.7	17.5





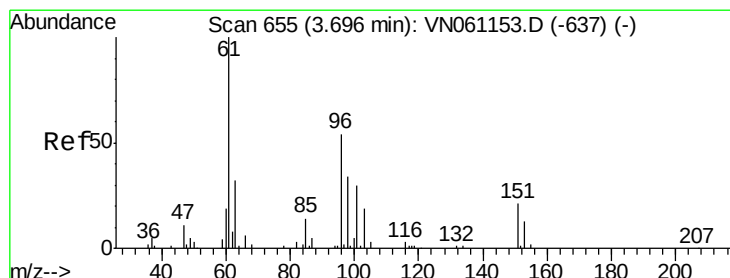
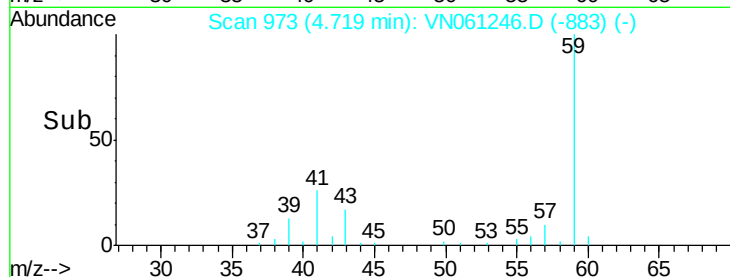
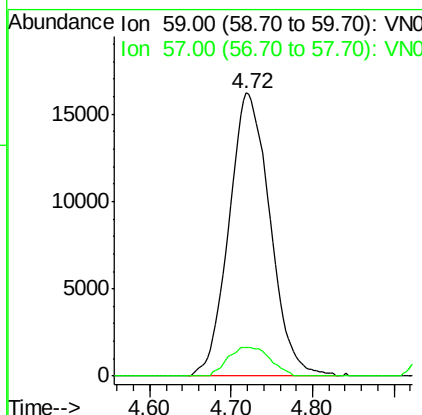
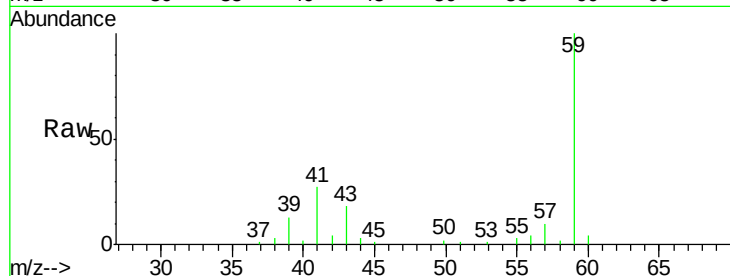
#11
Tert butyl alcohol
Concen: 292.398 ug/l
RT: 4.72 min Scan# 973
Delta R.T. -0.01 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 56762
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

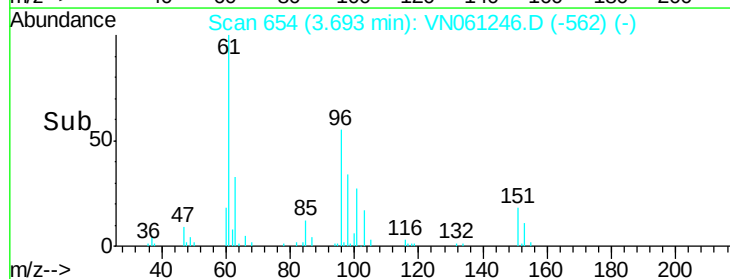
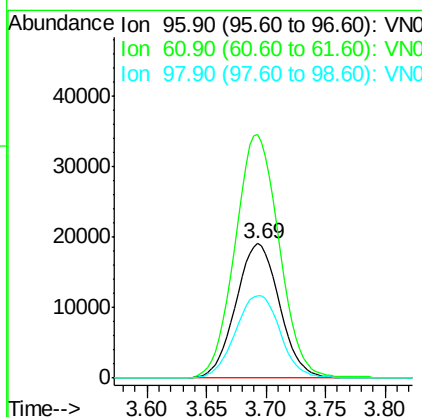
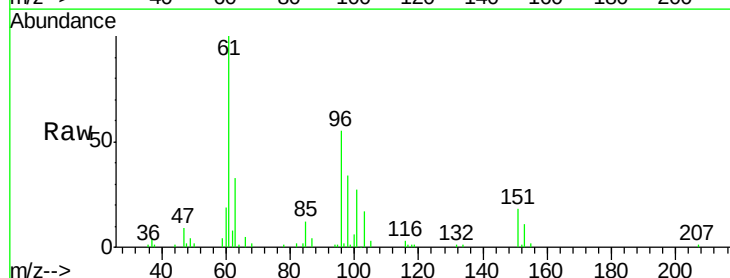
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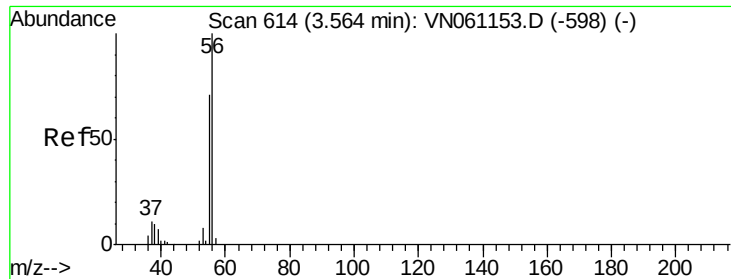
MMDadoda
5/4/2020 2:58:07 PM



#12
1,1-Dichloroethene
Concen: 50.164 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion: 96 Resp: 48473
Ion Ratio Lower Upper
96 100
61 180.7 147.0 220.6
98 61.4 49.8 74.6





#13

Acrolein

Concen: 287.432 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 37184

Ion Ratio Lower Upper

56 100

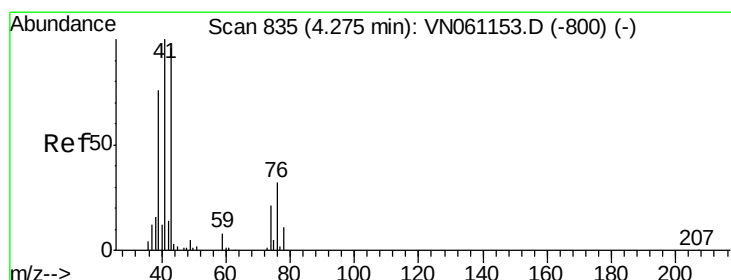
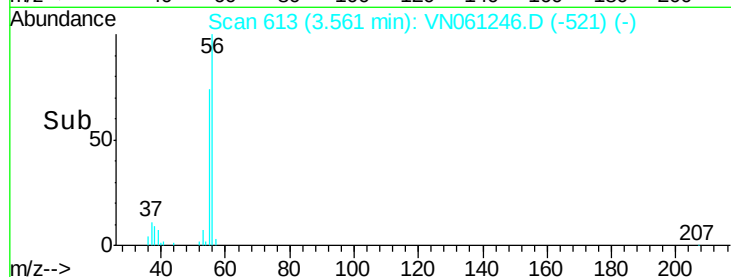
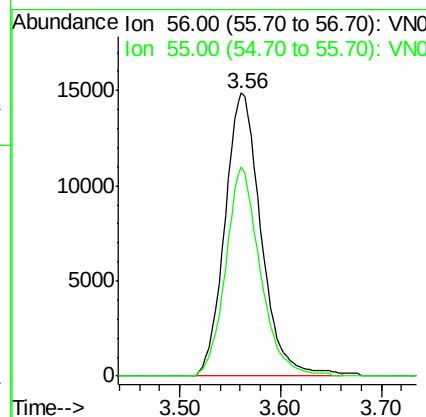
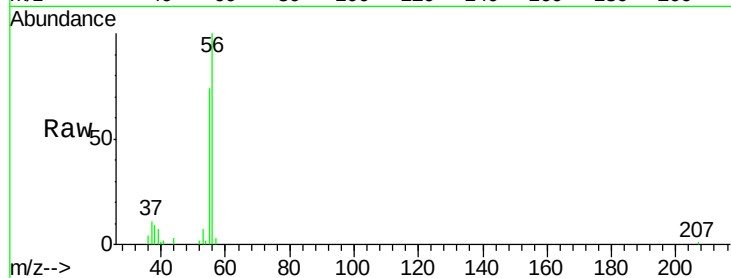
55 70.5 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 66.297 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

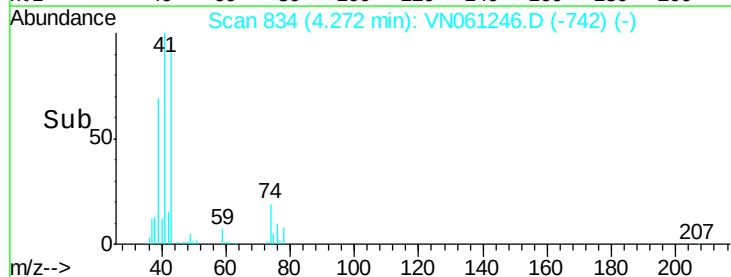
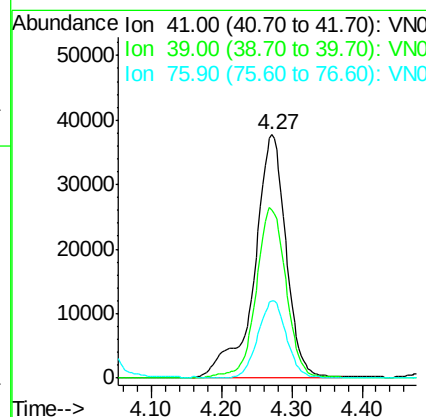
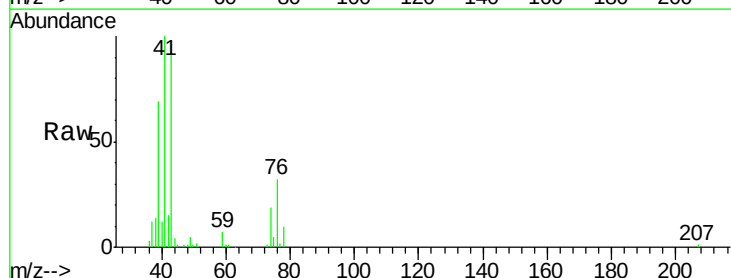
Tgt Ion: 41 Resp: 118784

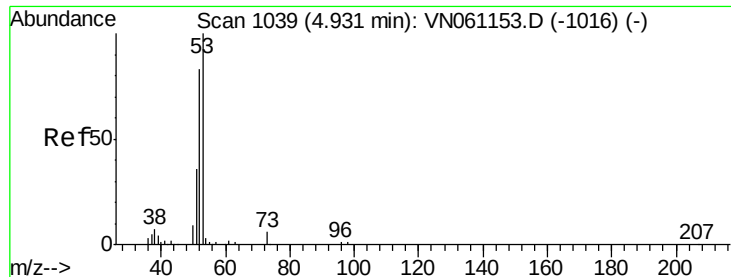
Ion Ratio Lower Upper

41 100

39 65.9 57.1 85.7

76 28.4 24.3 36.5





#15

Acrylonitrile

Concen: 323.972 ug/l

RT: 4.92 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

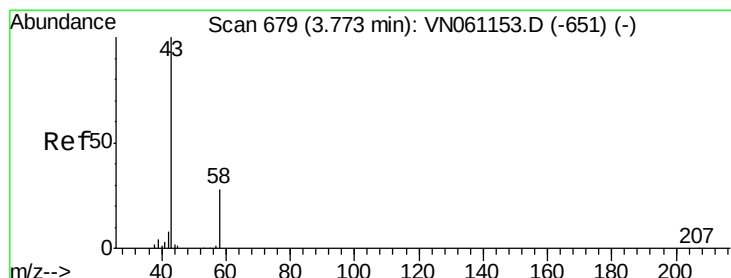
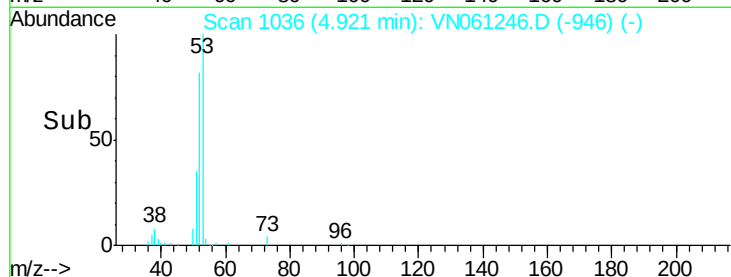
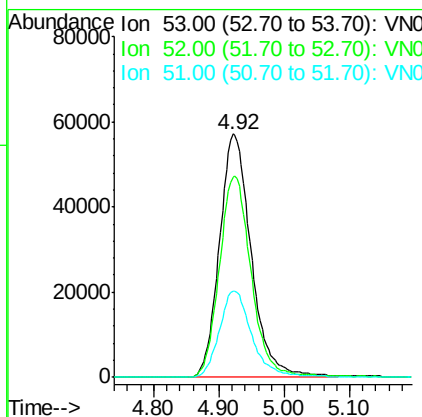
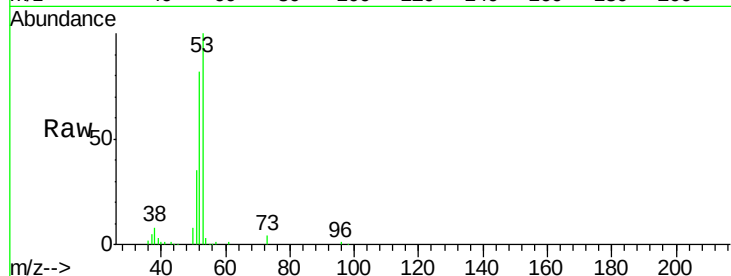
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	193060
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.4	98.0
51	36.2	29.5	44.3

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#16

Acetone

Concen: 300.614 ug/l

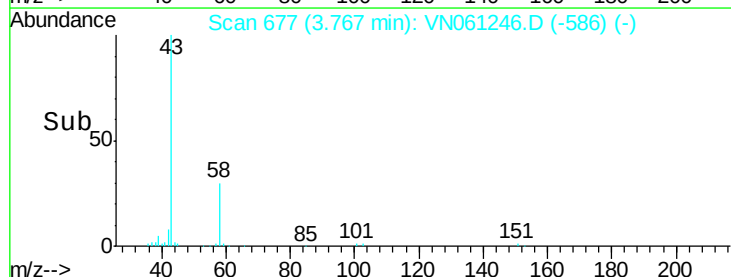
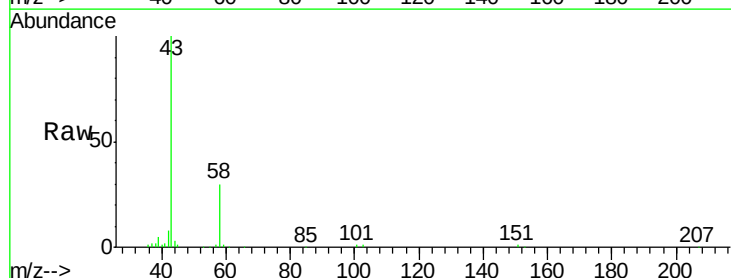
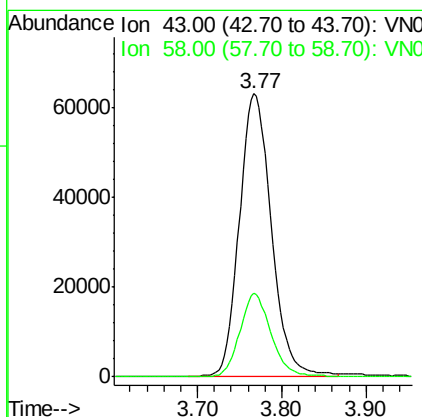
RT: 3.77 min Scan# 677

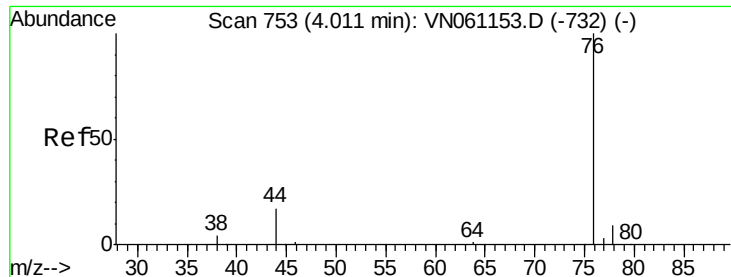
Delta R.T. -0.01 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion:	43	Resp:	167855
Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.2	33.2





#17

Carbon Disulfide

Concen: 46.583 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 124341

Ion Ratio Lower Upper

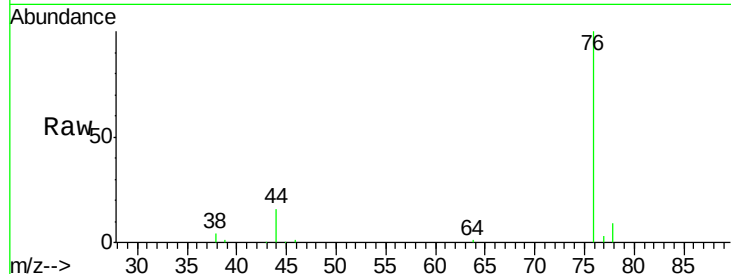
76 100

78 9.1 7.2 10.8

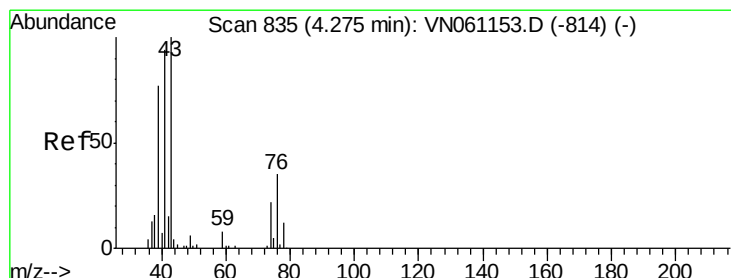
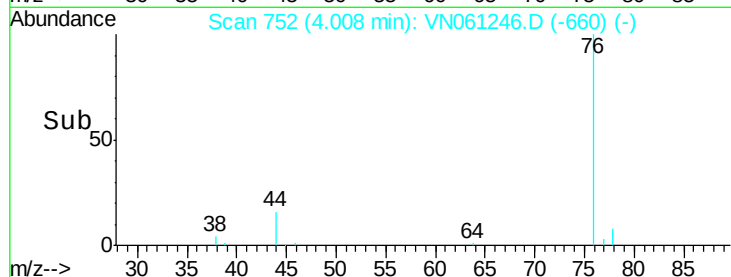
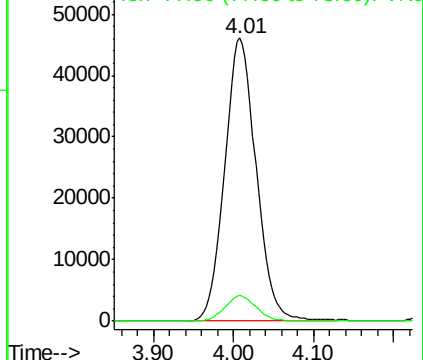
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 56.314 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061246.D

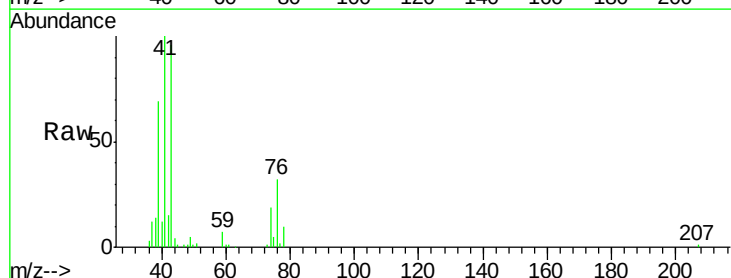
Acq: 2 May 2020 00:48

Tgt Ion: 43 Resp: 103174

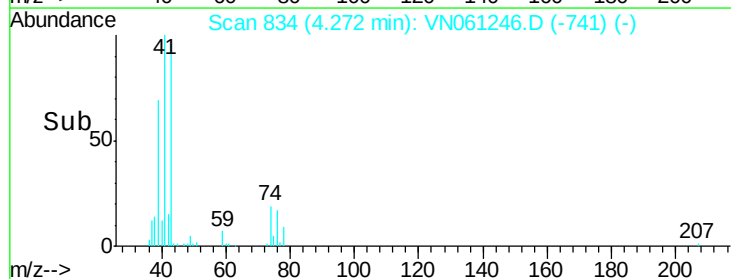
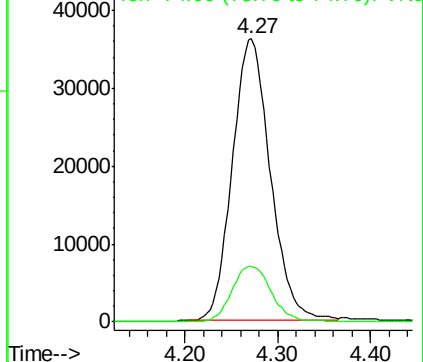
Ion Ratio Lower Upper

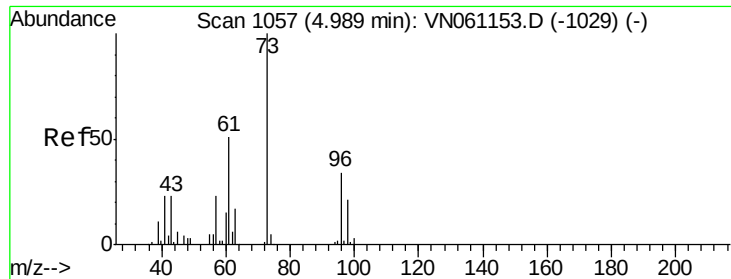
43 100

74 20.5 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





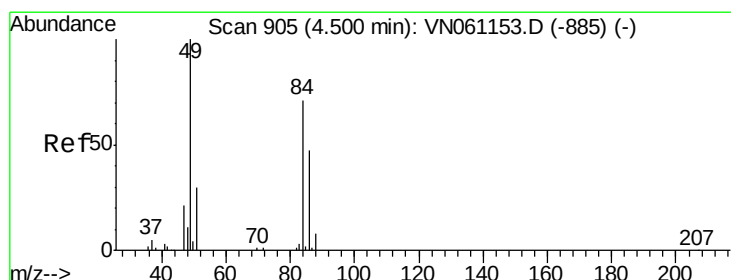
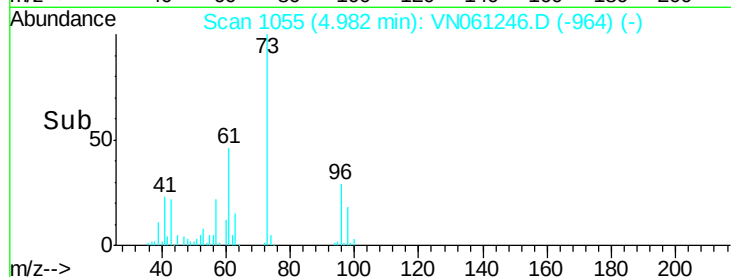
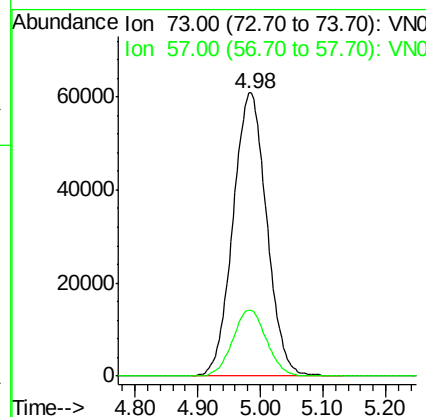
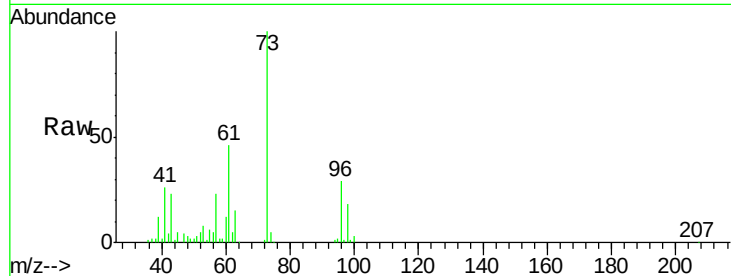
#19
Methvl tert-butvl Ether
Concen: 61.370 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 226597
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5

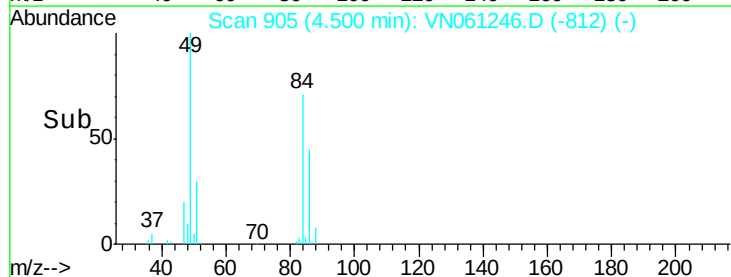
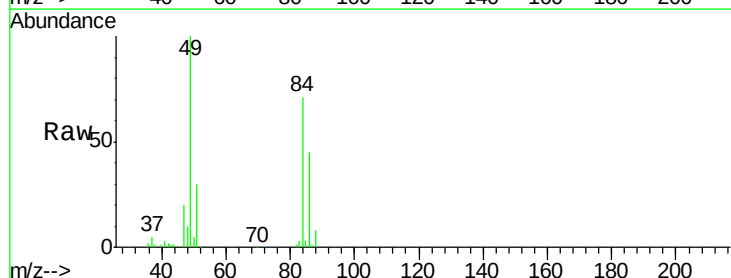
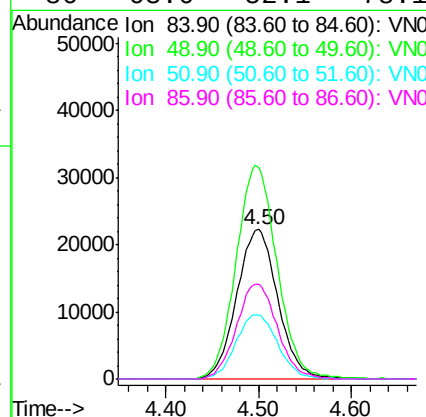
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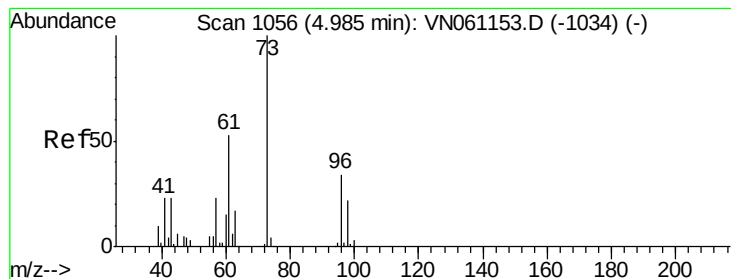
MMDadoda
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#20
Methylene Chloride
Concen: 60.626 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion: 84 Resp: 68507
Ion Ratio Lower Upper
84 100
49 141.3 112.0 168.0
51 42.9 33.6 50.4
86 63.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 54.903 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 57769

Ion Ratio Lower Upper

96 100

61 156.5 123.0 184.4

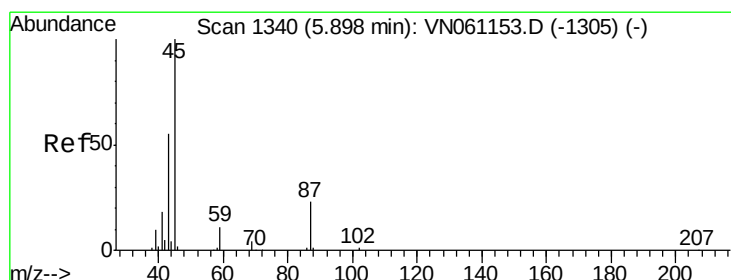
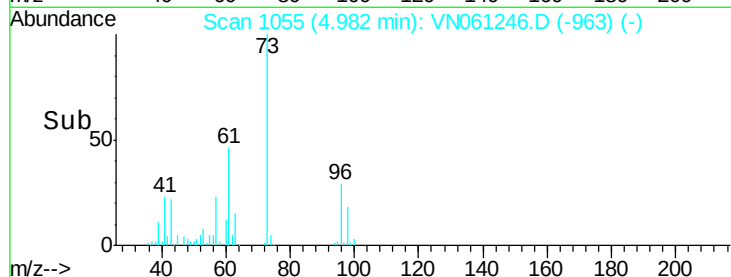
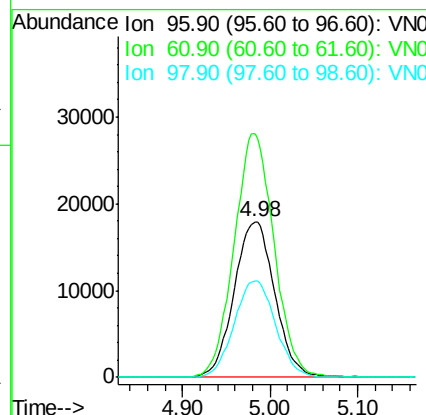
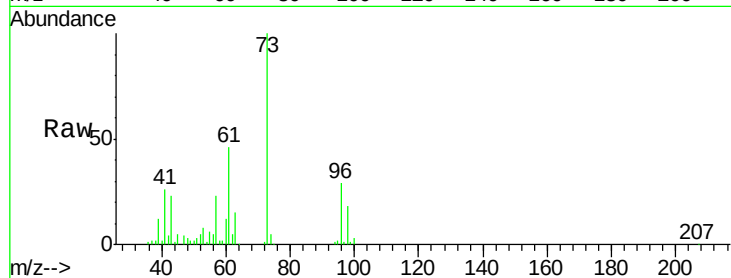
98 61.8 50.1 75.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 64.819 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion: 45 Resp: 269307

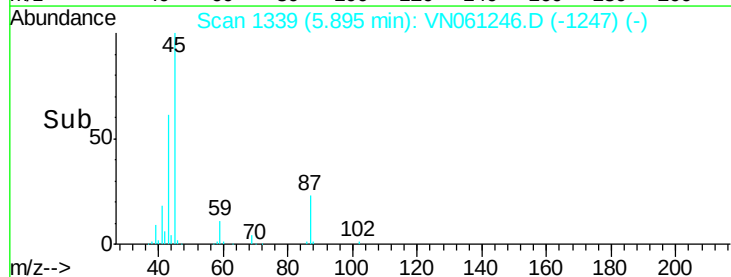
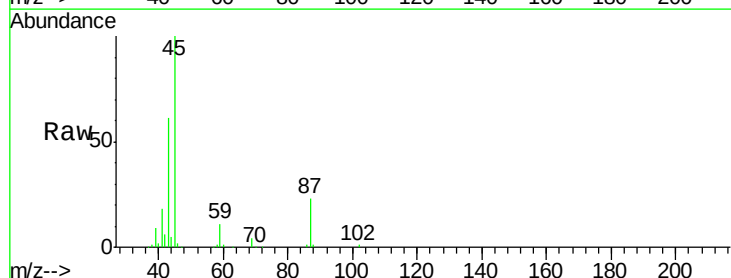
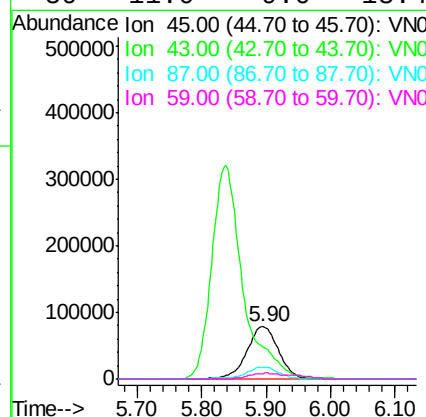
Ion Ratio Lower Upper

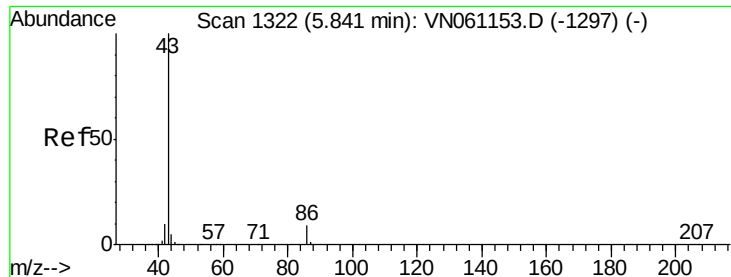
45 100

43 60.1 47.9 71.9

87 22.7 19.2 28.8

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 323.131 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1080985

Ion Ratio Lower Upper

43 100

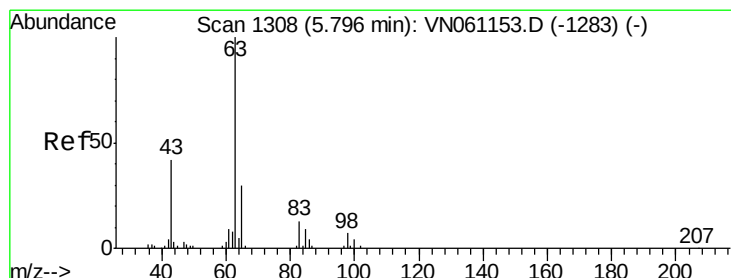
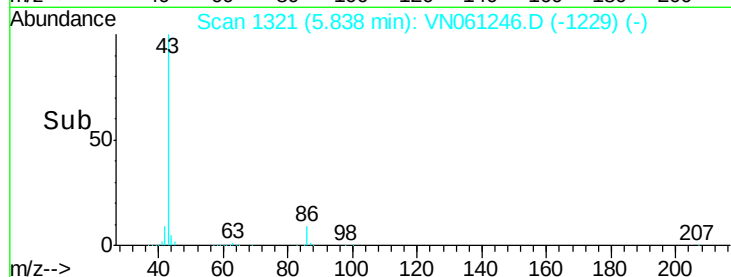
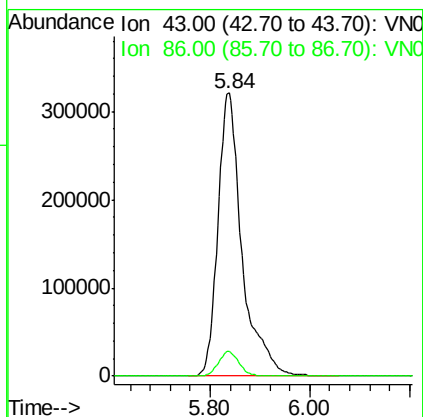
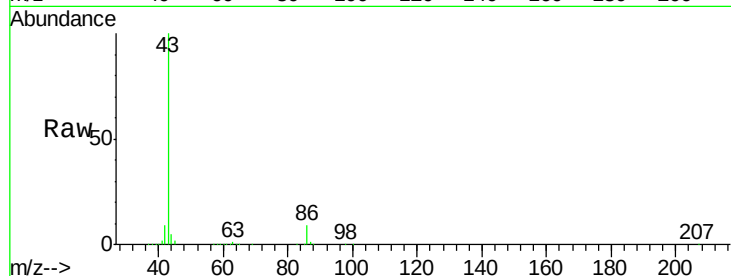
86 8.7 7.2 10.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 58.166 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

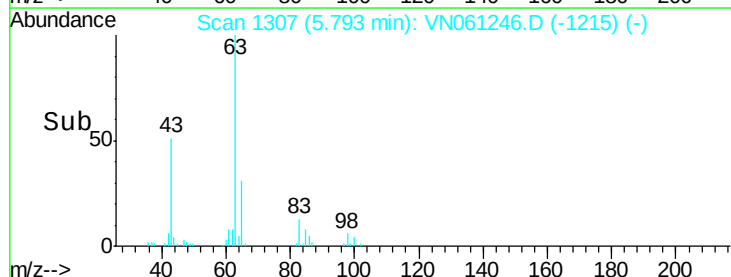
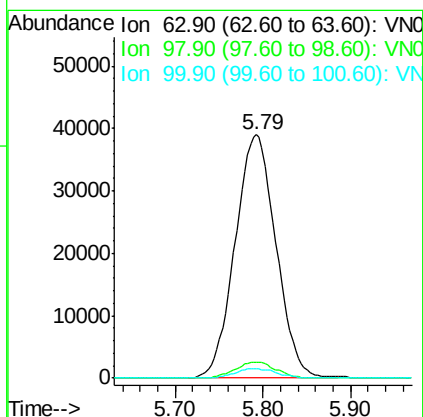
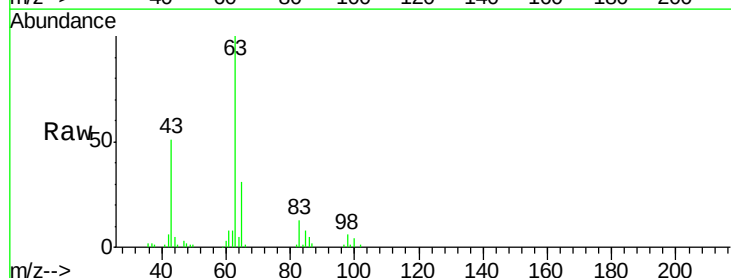
Tgt Ion: 63 Resp: 126266

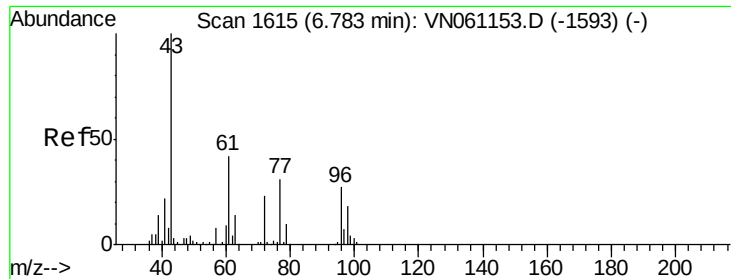
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 3.9 1.9 5.7





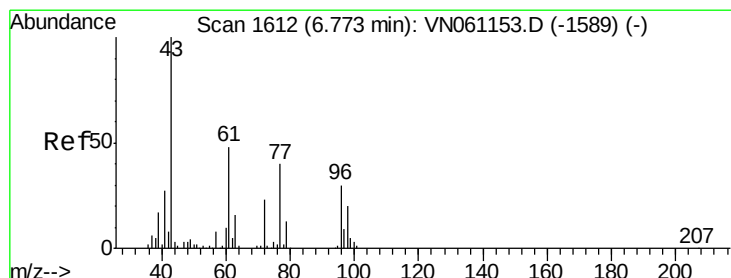
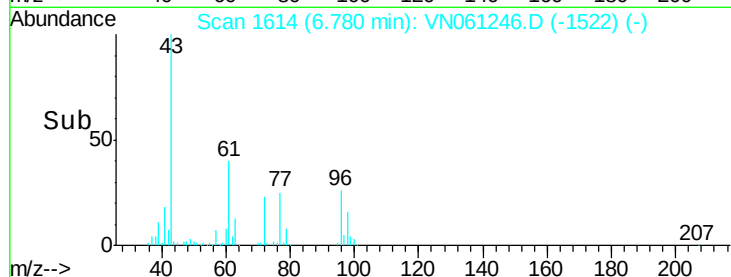
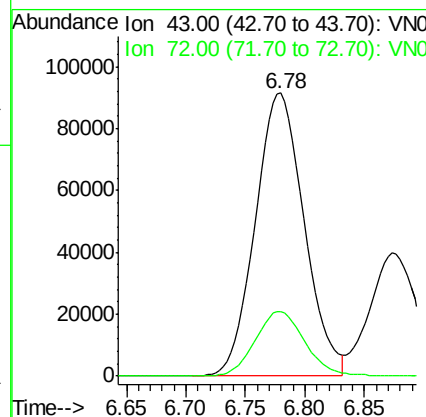
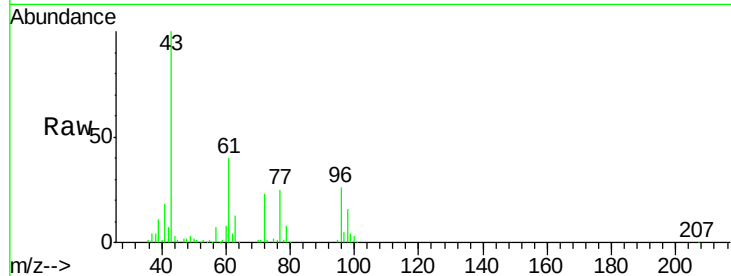
#25
2-Butanone
Concen: 303.719 ug/l
RT: 6.78 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 260443
Ion Ratio Lower Upper
43 100
72 22.8 18.2 27.4

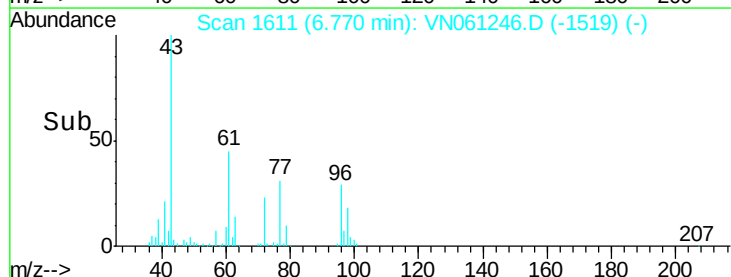
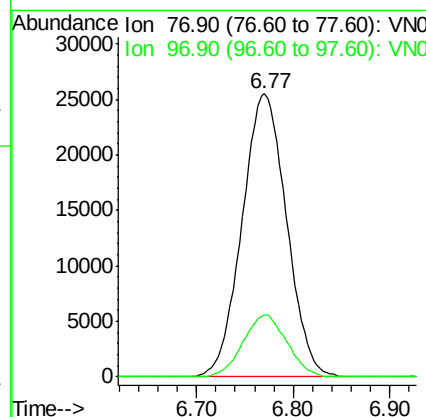
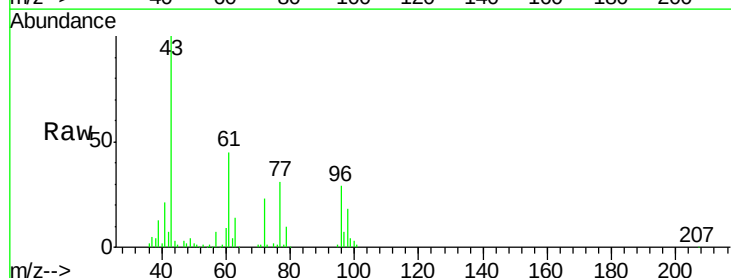
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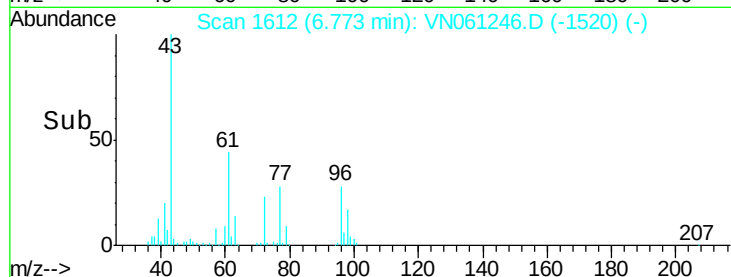
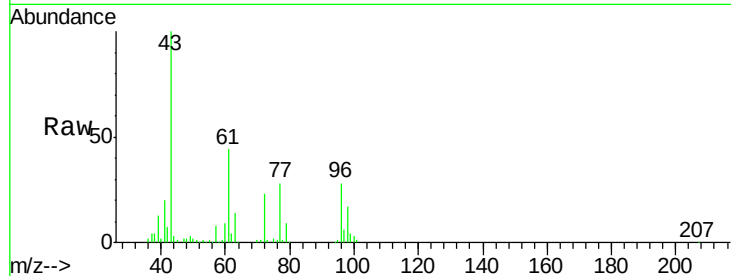
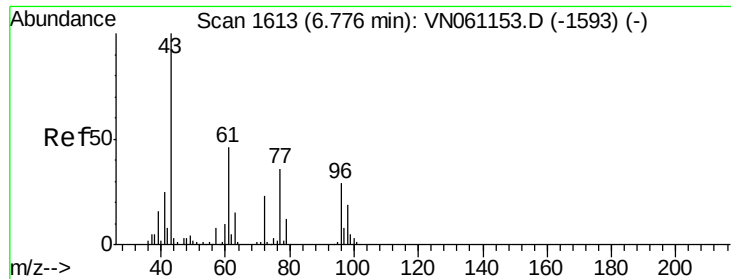
MMDadoda
5/4/2020 2:58:07 PM



#26
2,2-Dichloropropane
Concen: 44.569 ug/l
RT: 6.77 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion: 77 Resp: 81491
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 58.245 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061246.D

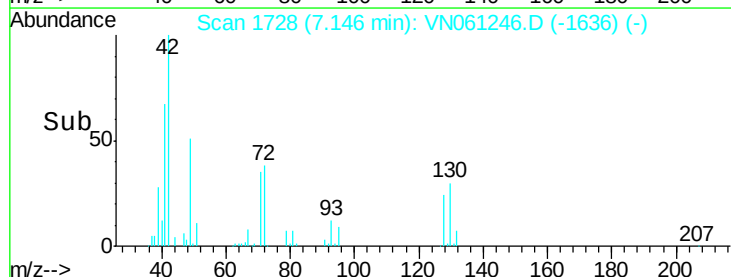
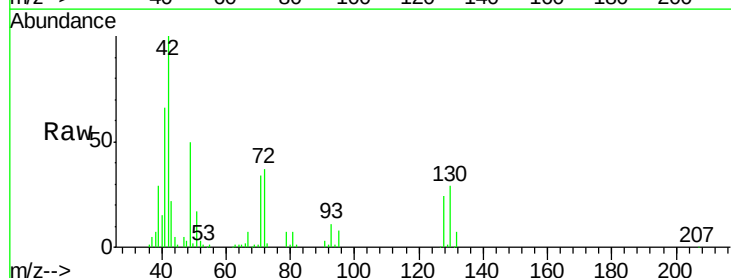
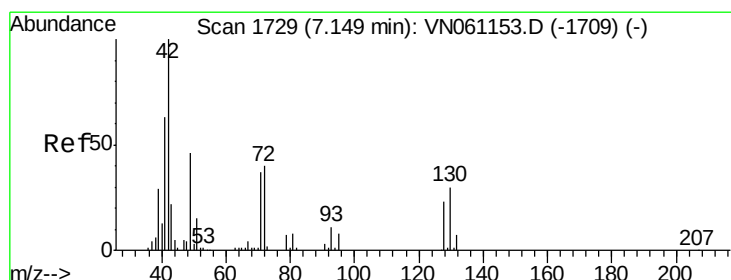
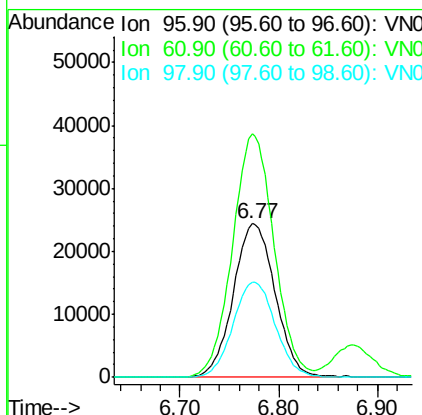
Acq: 2 May 2020 00:48

Tot Ion	Ratio	Resp	Lower	Upper
96	100	71920		
61	156.9		0.0	322.0
98	62.8		0.0	129.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 64.397 ug/l

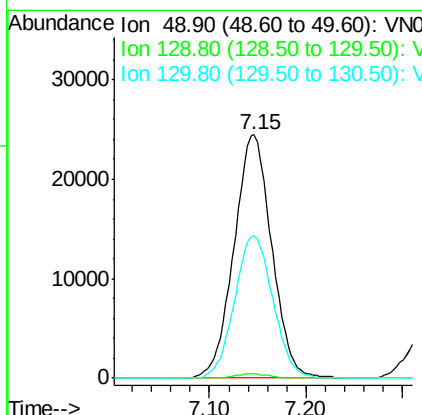
RT: 7.15 min Scan# 1728

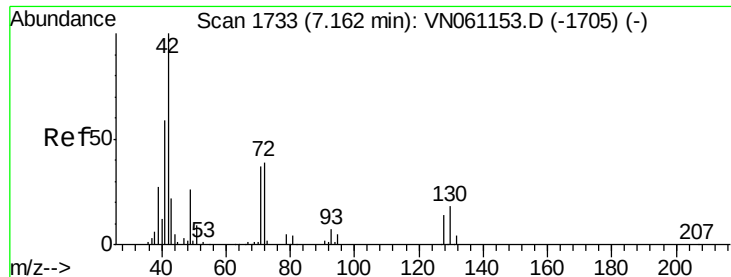
Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66259		
129	1.4		0.0	3.0
130	59.2		51.4	77.2





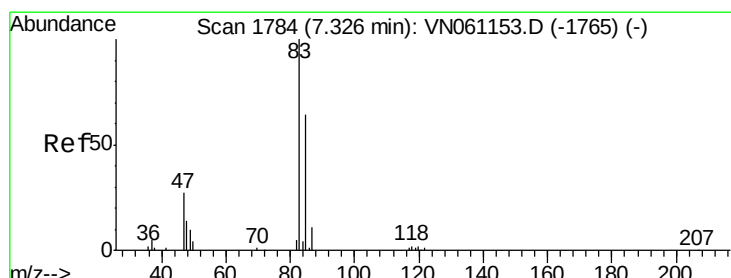
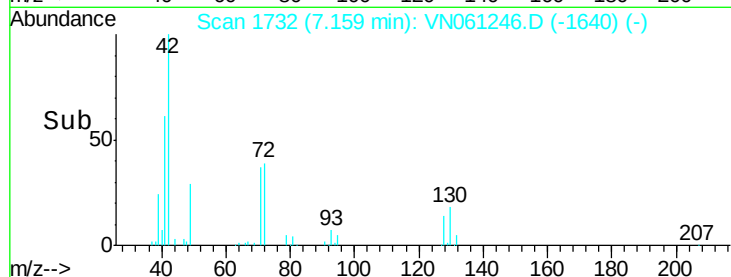
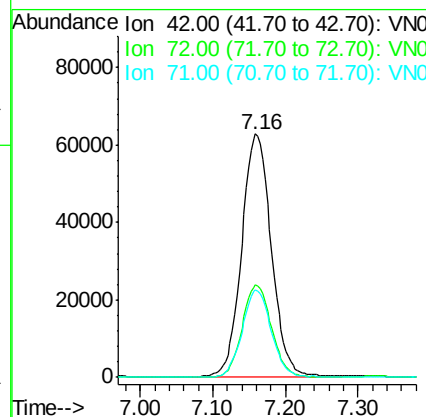
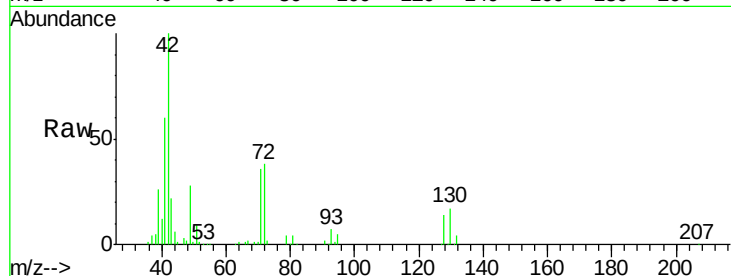
#29
Tetrahydrofuran
Concen: 312.051 ug/l
RT: 7.16 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	31.4	47.0
71	34.9	29.5	44.3

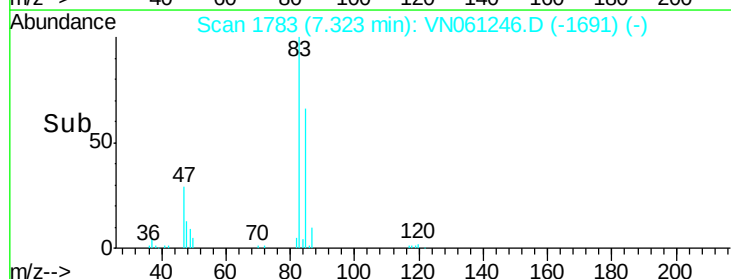
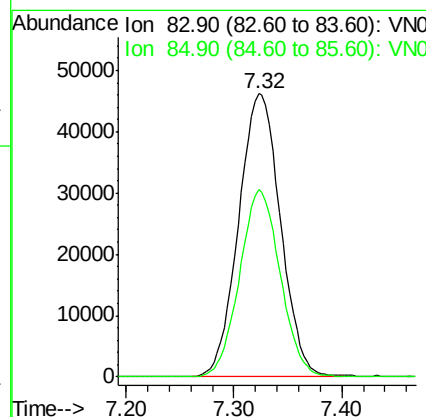
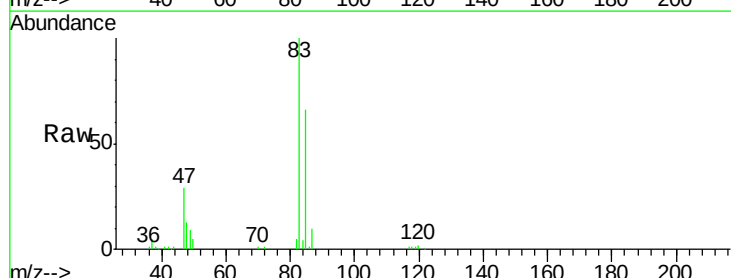
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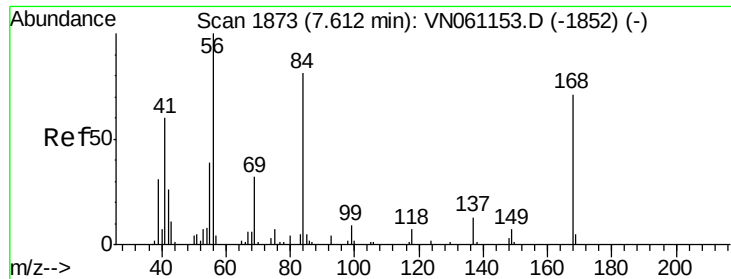
MMDadoda
5/4/2020 2:58:07 PM



#30
Chloroform
Concen: 56.735 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7





#31

Cyclohexane

Concen: 43.085 ug/l

RT: 7.61 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

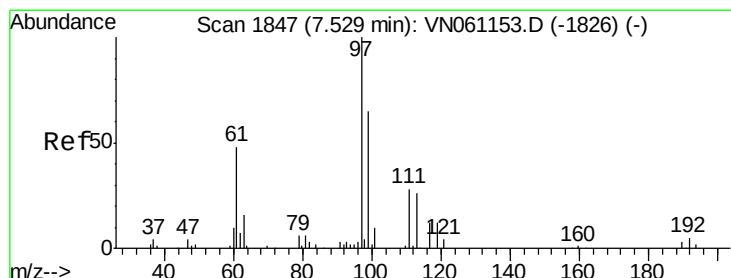
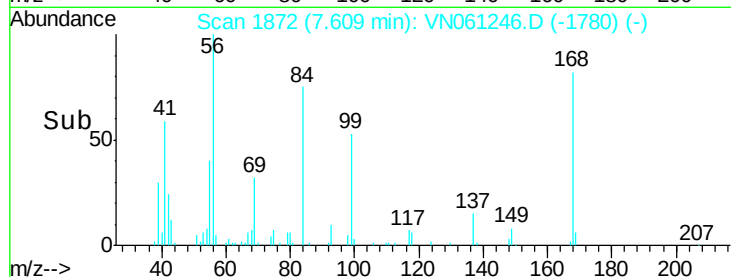
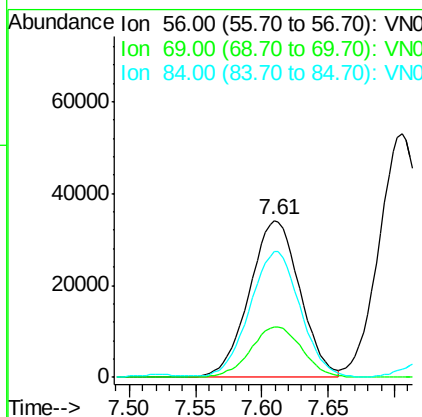
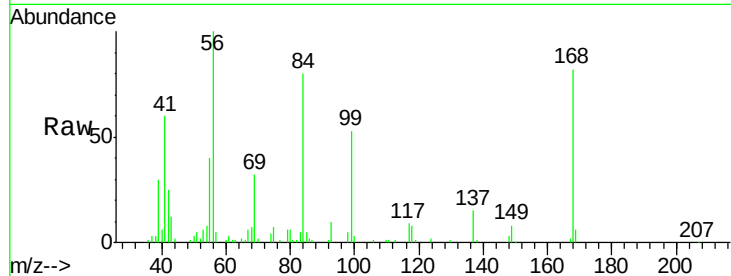
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	90830
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.7	38.5
84	79.2	64.6	97.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.639 ug/l

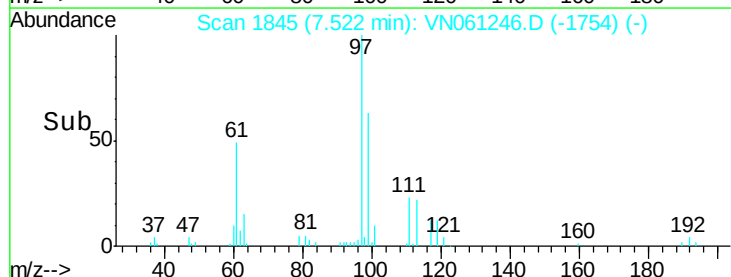
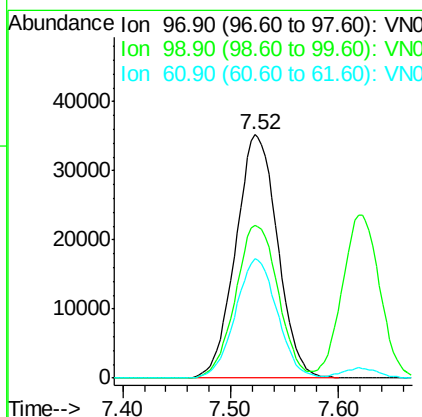
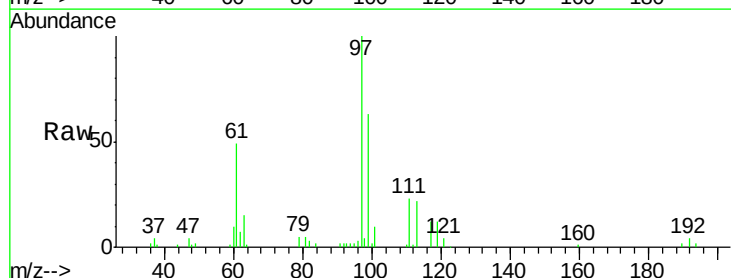
RT: 7.52 min Scan# 1845

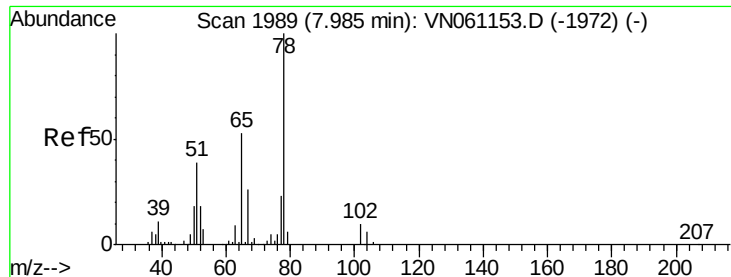
Delta R.T. -0.01 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion:	97	Resp:	95090
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.3	76.9
61	48.7	38.6	57.8





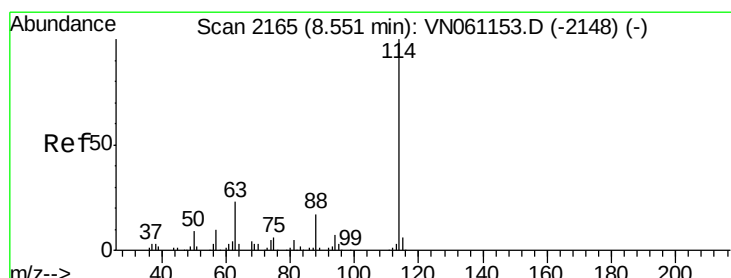
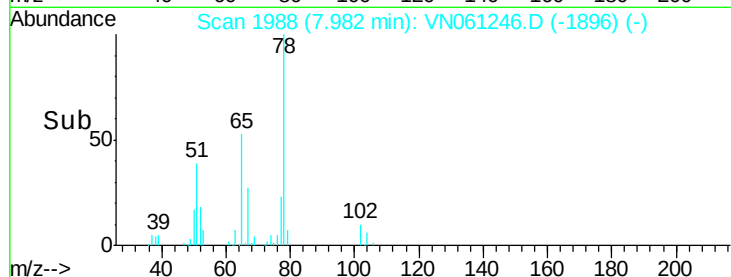
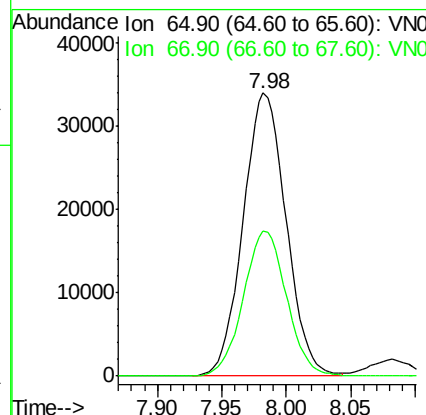
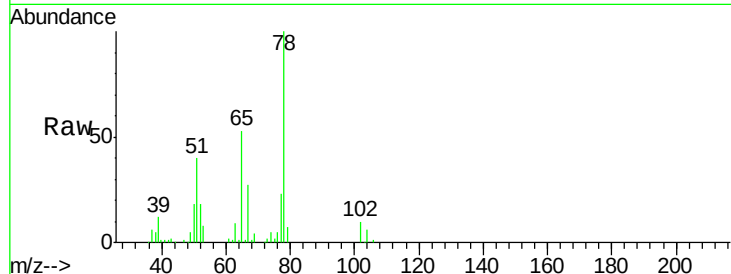
#33
 1,2-Dichloroethane-d4
 Concen: 54.372 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.6

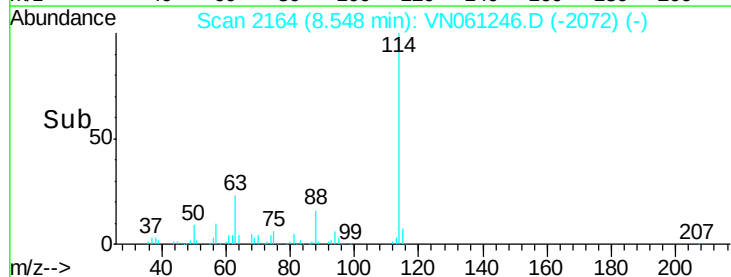
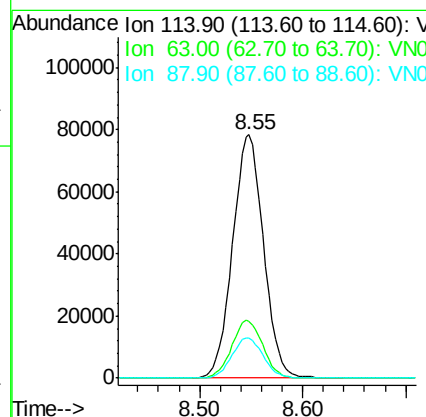
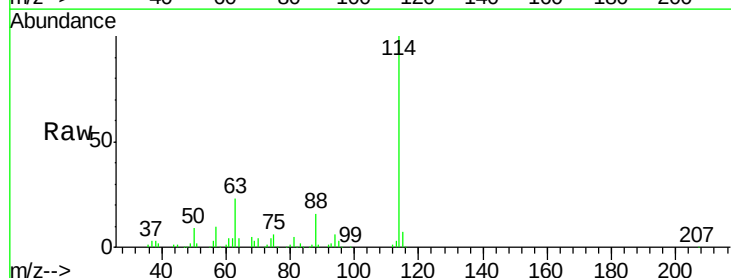
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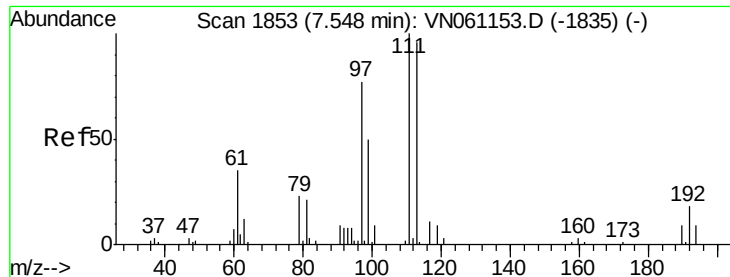
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 5/4/2020 2:58:07 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.6
88	16.3	0.0	33.4





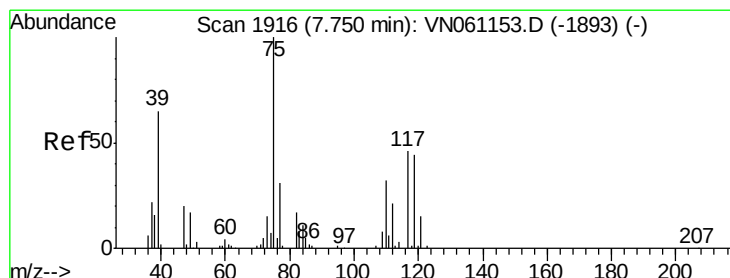
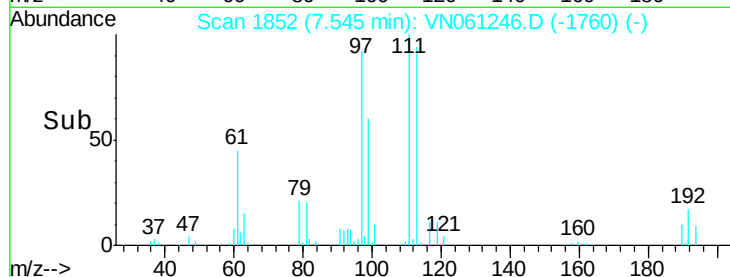
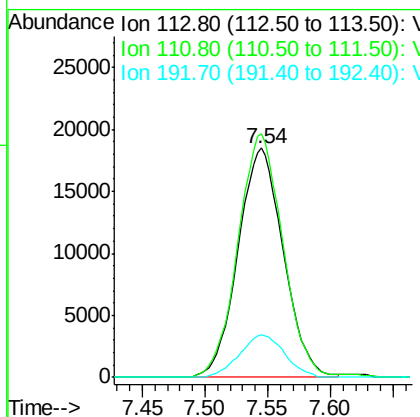
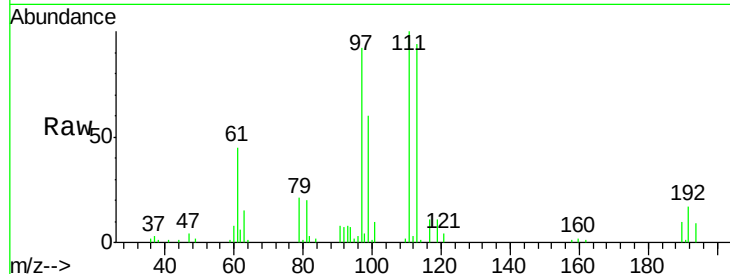
#35
 Dibromofluoromethane
 Concen: 48.080 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	46413		
111	105.1	82.9	124.3	
192	18.4	14.7	22.1	

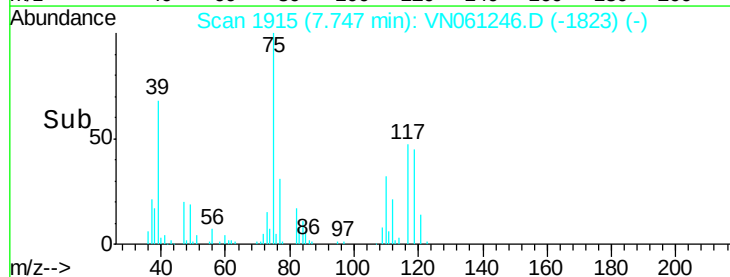
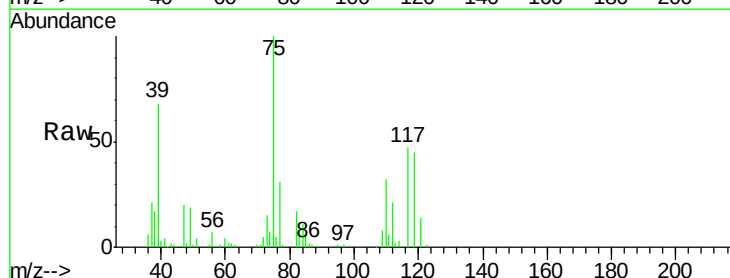
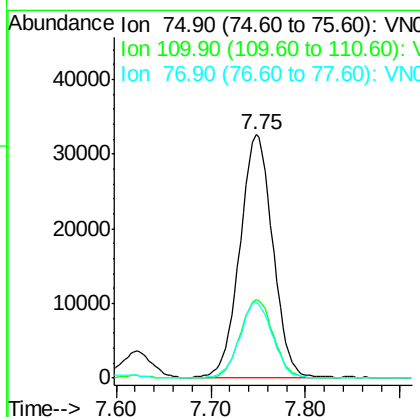
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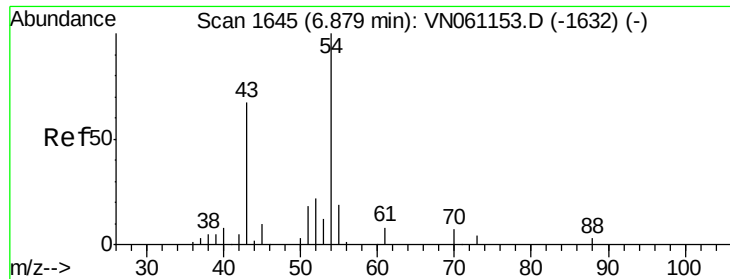
MMDadoda
 5/4/2020 2:58:07 PM



#36
 1,1-Dichloropropene
 Concen: 48.445 ug/l
 RT: 7.75 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79170		
110	32.0	16.0	48.0	
77	31.1	24.6	37.0	





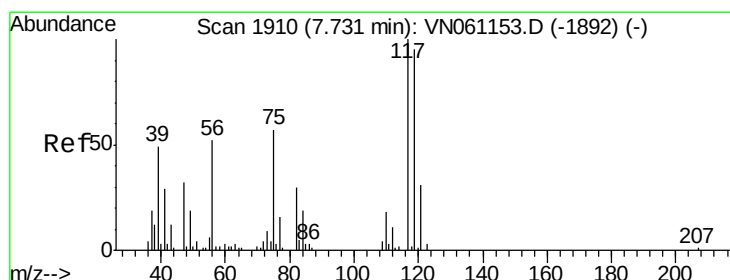
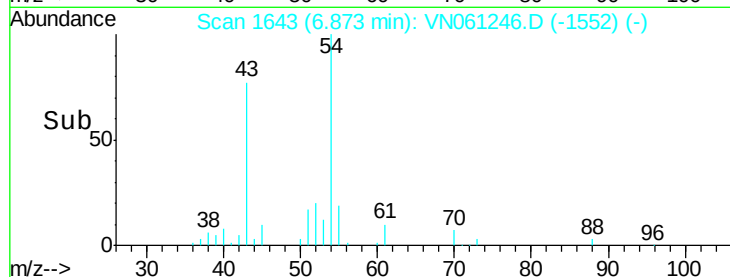
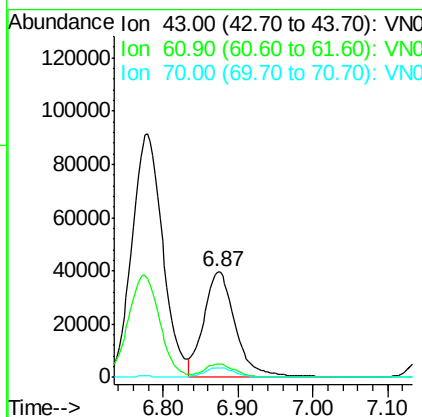
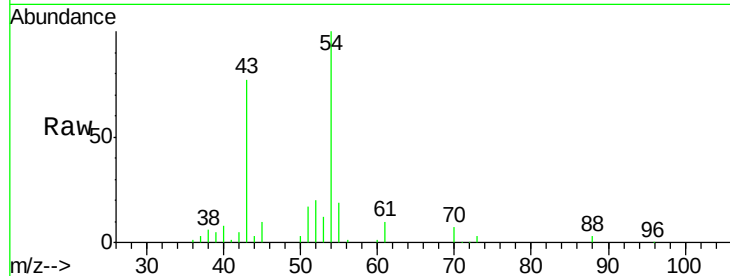
#37
Ethyl Acetate
Concen: 60.163 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	8.9	7.2	10.8

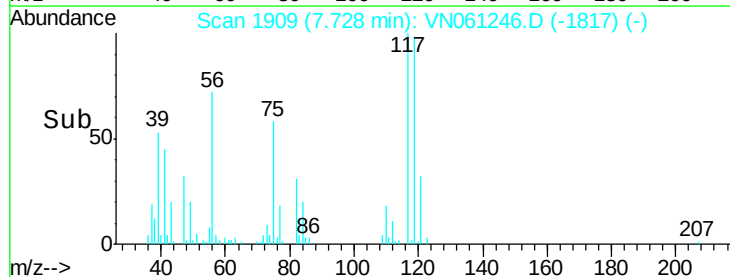
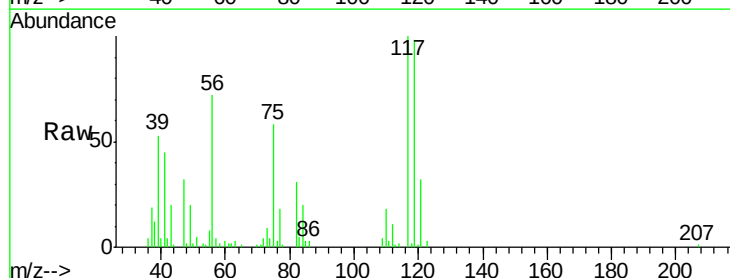
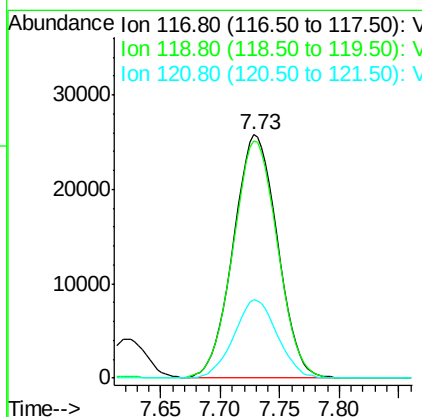
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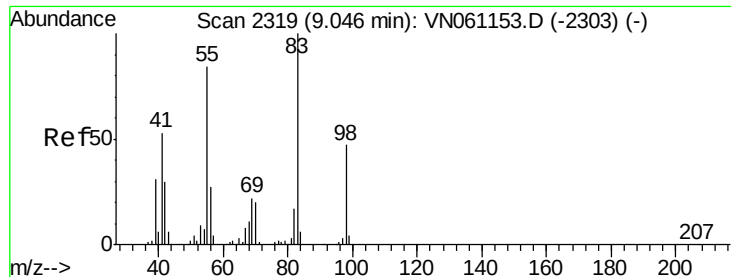
MMDadoda
5/4/2020 2:58:07 PM



#38
Carbon Tetrachloride
Concen: 44.809 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.6
121	32.1	24.7	37.1





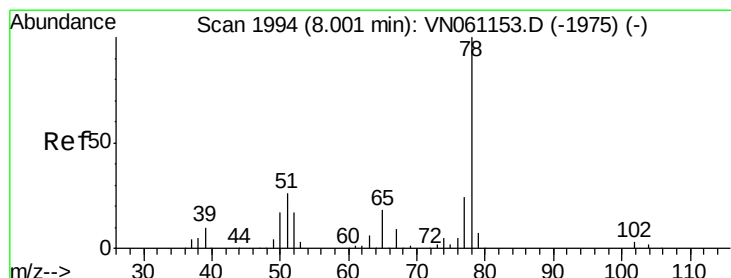
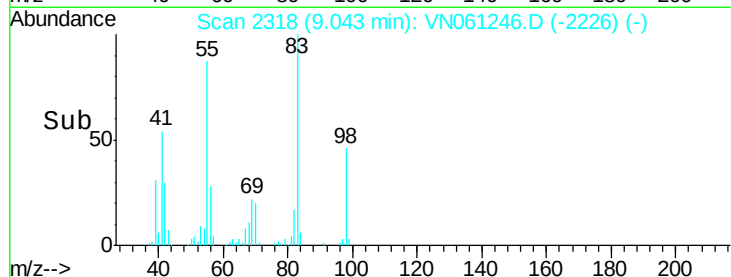
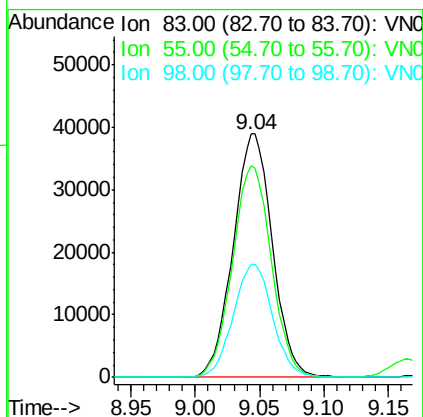
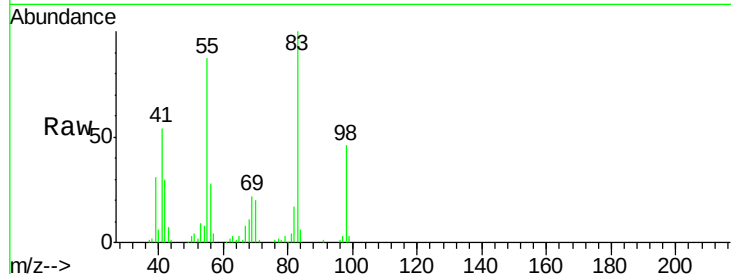
#39
Methylvlcyclohexane
Concen: 44.877 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	67.3	100.9
98	46.4	37.7	56.5

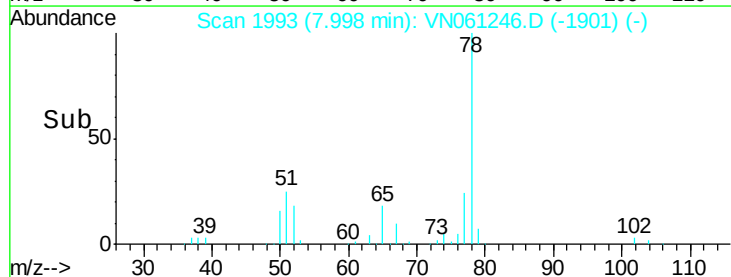
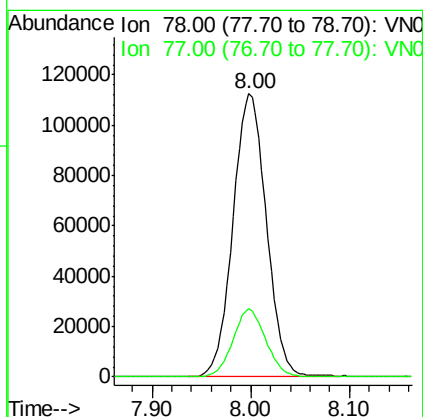
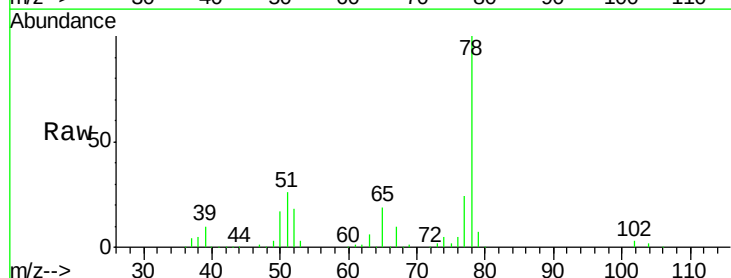
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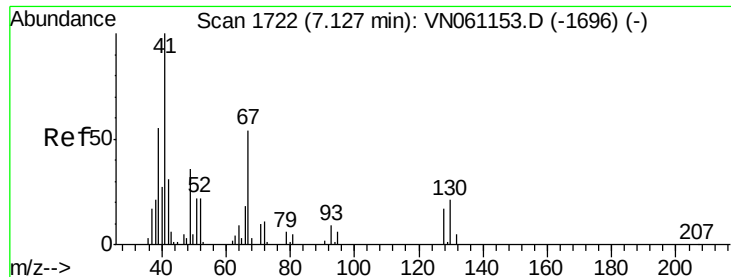
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#40
Benzene
Concen: 54.380 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





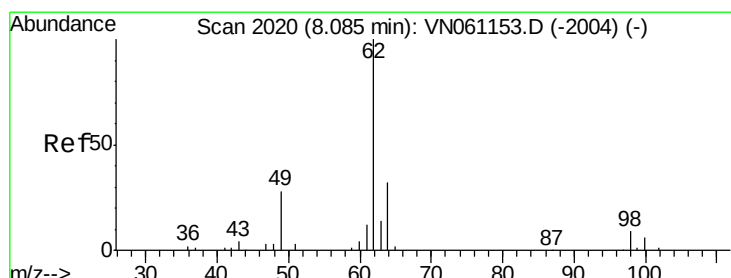
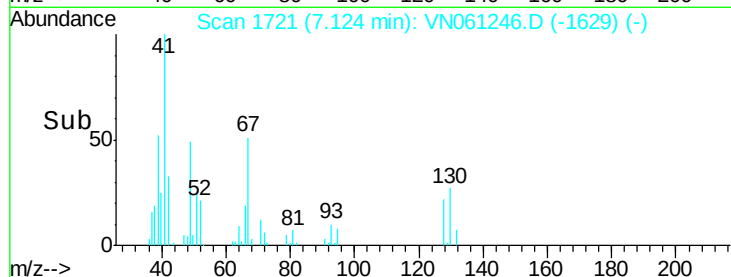
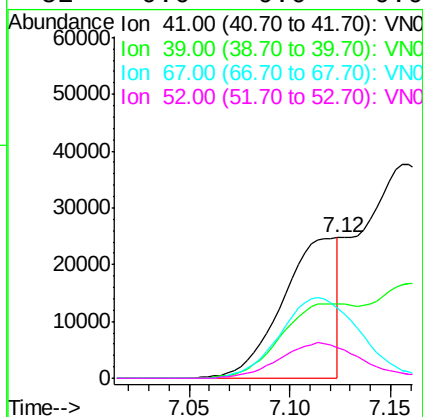
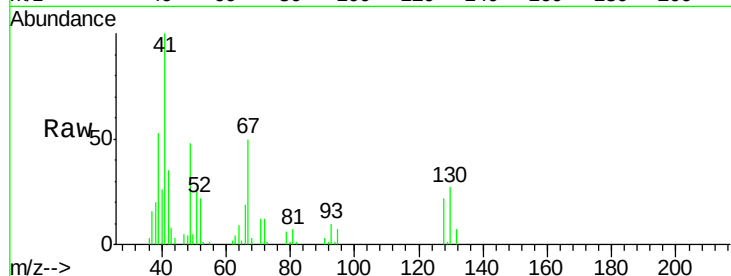
#41
Methacrylonitrile
Concen: 59.603 ug/l m
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

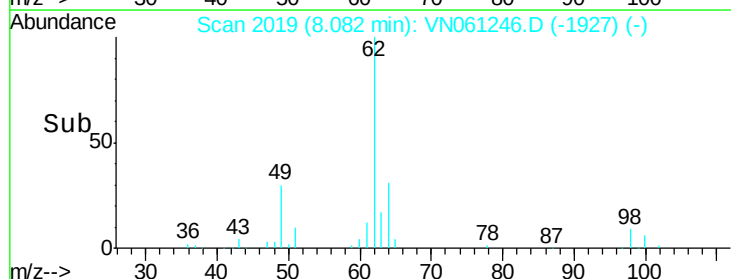
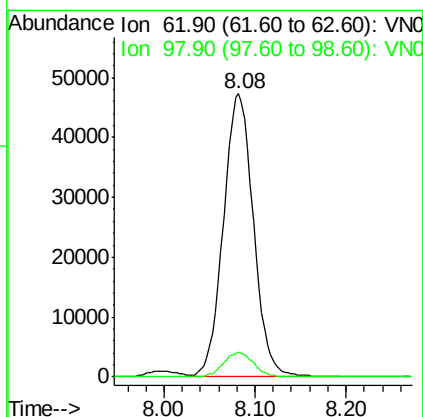
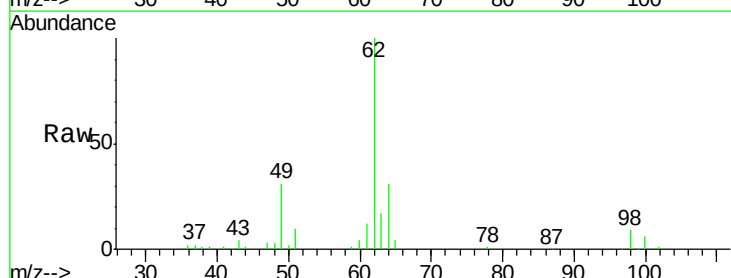
Manual Integrations
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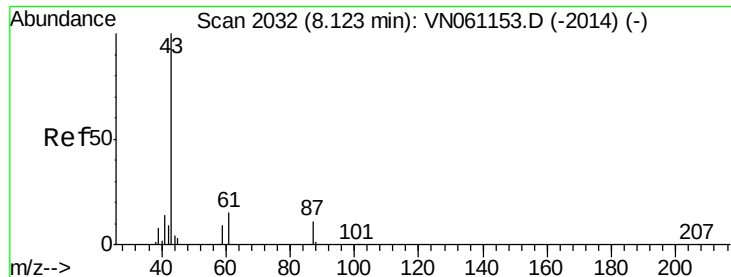
MMDadoda
5/4/2020 2:58:07 PM



#42
1,2-Dichloroethane
Concen: 58.937 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 59.649 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

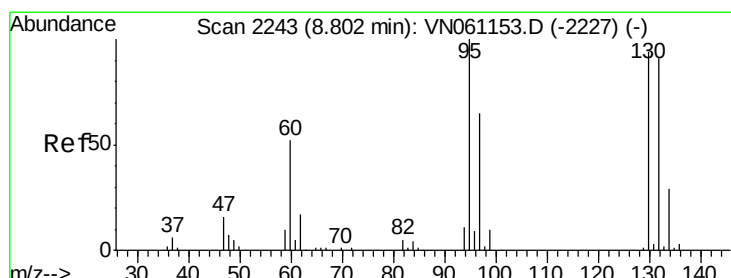
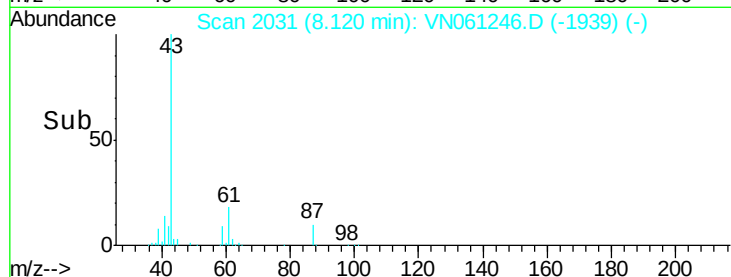
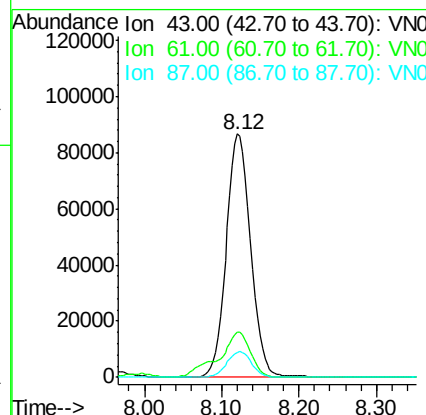
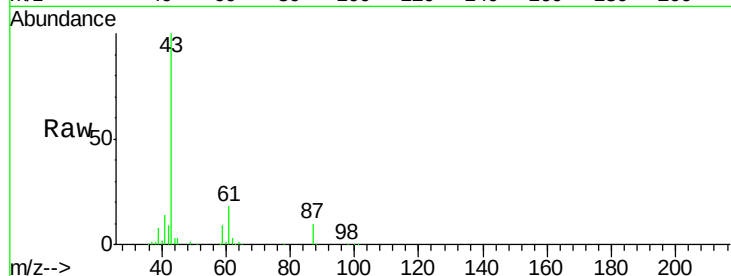
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	189656
Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.5	29.3
87	10.7	8.9	13.3

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#44

Trichloroethene

Concen: 47.624 ug/l

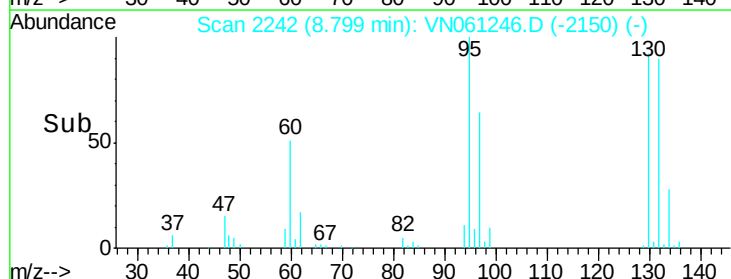
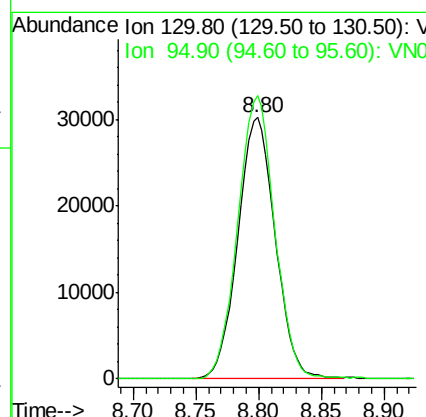
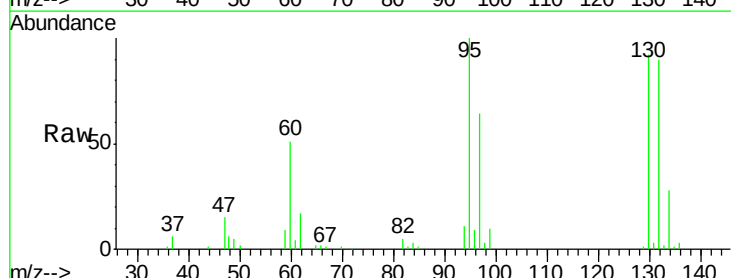
RT: 8.80 min Scan# 2242

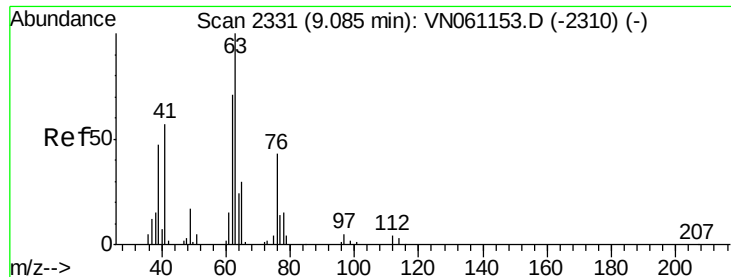
Delta R.T. -0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion:	130	Resp:	62681
Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	212.4





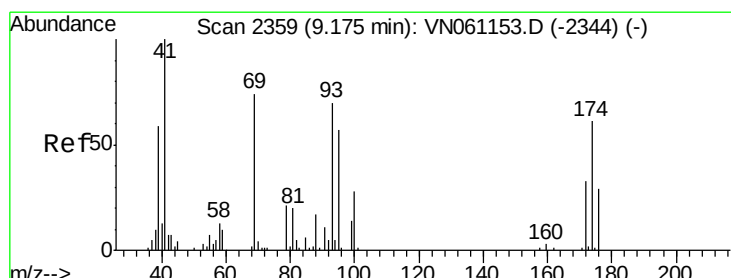
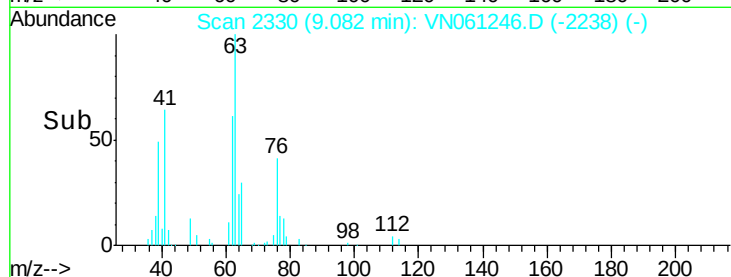
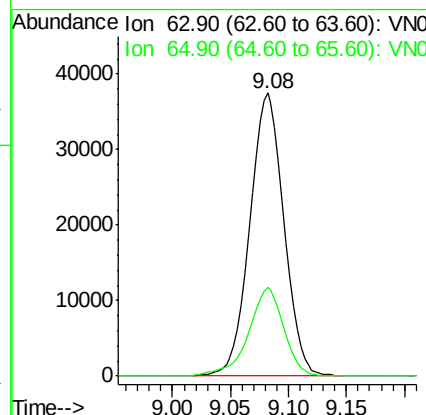
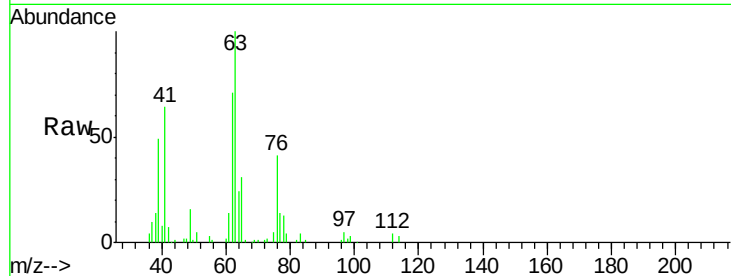
#45
 1,2-Dichloropropane
 Concen: 58.983 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 76721
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

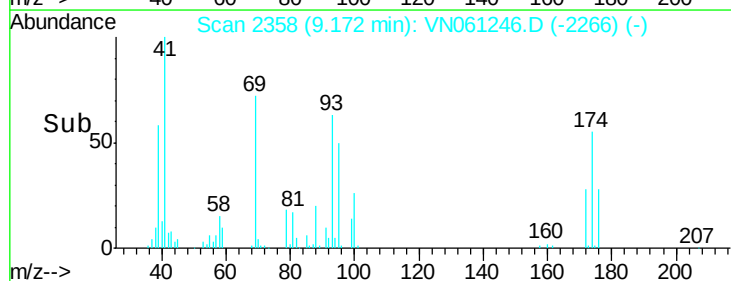
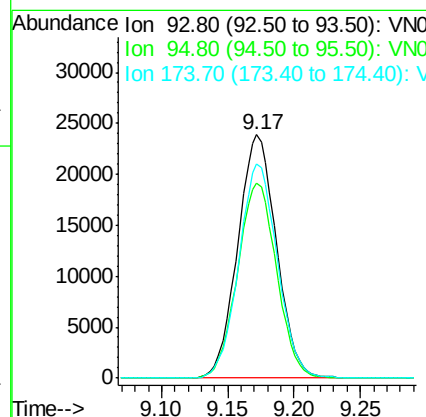
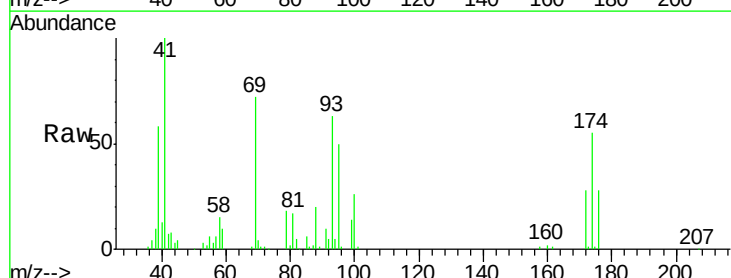
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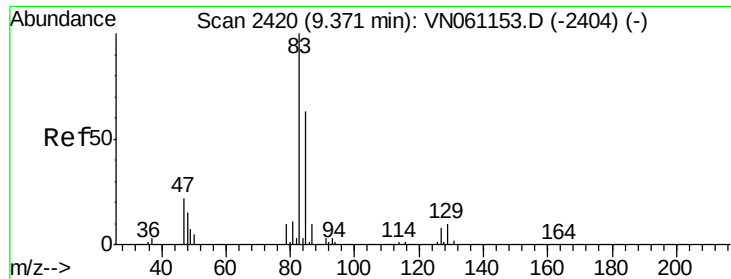
MMDadoda
 5/4/2020 2:58:07 PM



#46
 Dibromomethane
 Concen: 60.143 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion: 93 Resp: 48437
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.6 99.8
 174 87.7 70.2 105.2





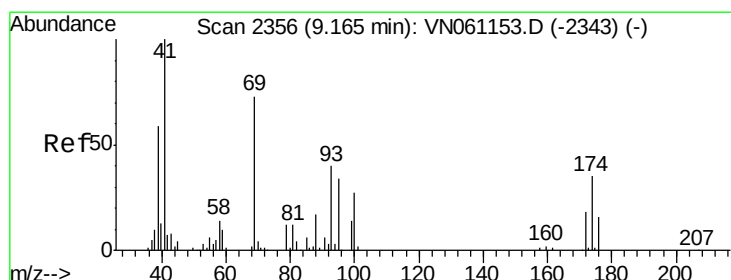
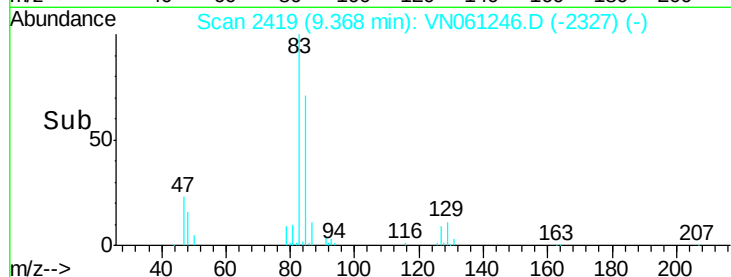
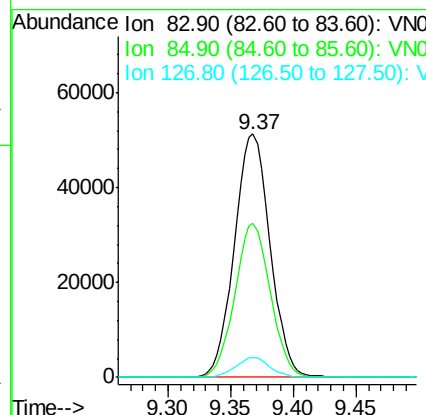
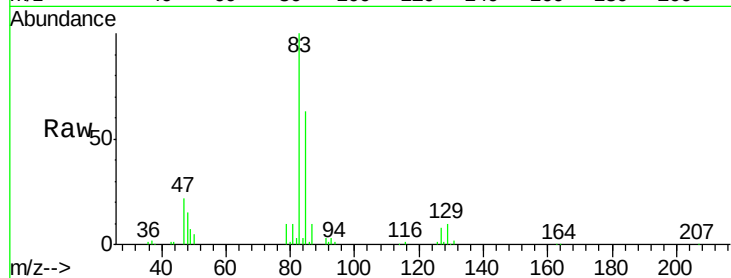
#47
 Bromodichloromethane
 Concen: 58.739 ug/l
 RT: 9.37 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.4	75.6
127	8.2	6.2	9.2

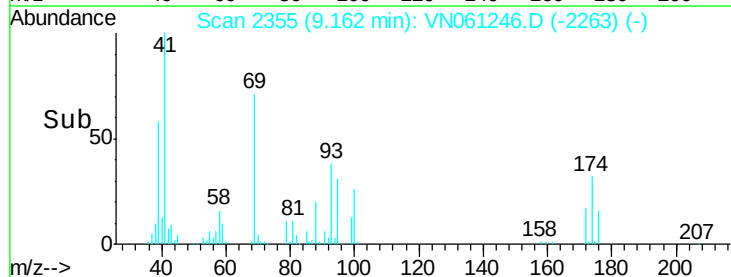
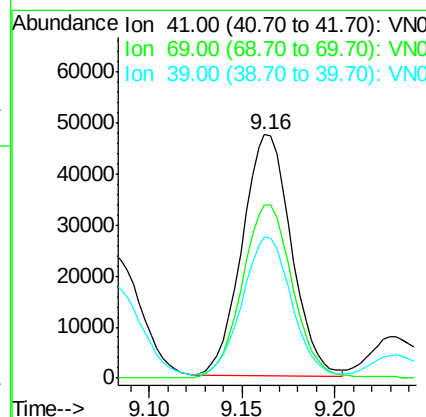
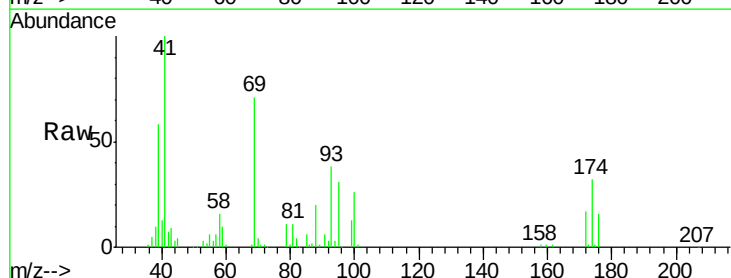
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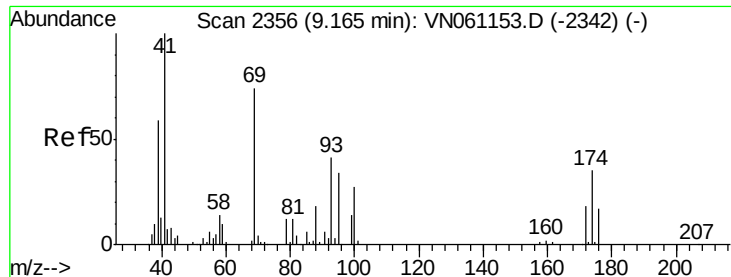
MMDadoda
 5/4/2020 2:58:07 PM



#48
 Methyl methacrylate
 Concen: 60.864 ug/l
 RT: 9.16 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.0	60.3	90.5
39	59.7	47.4	71.0





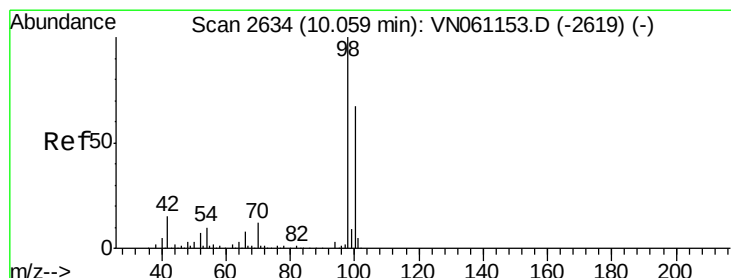
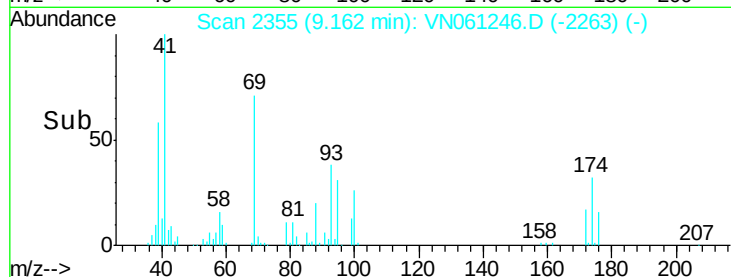
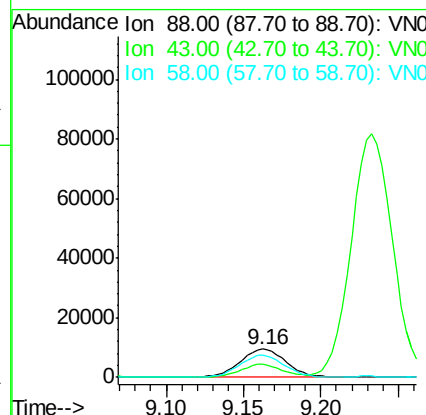
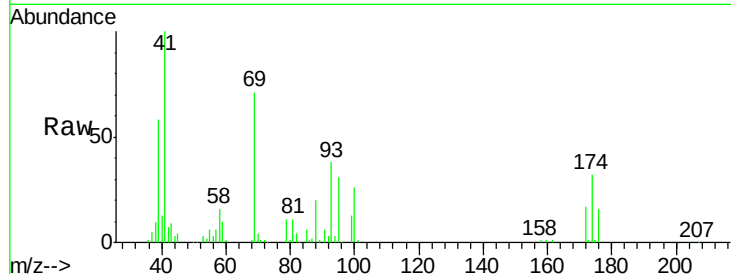
#49
1,4-Dioxane
Concen: 1199.338 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	19533		
43	42.9		35.3	52.9
58	78.0		61.5	92.3

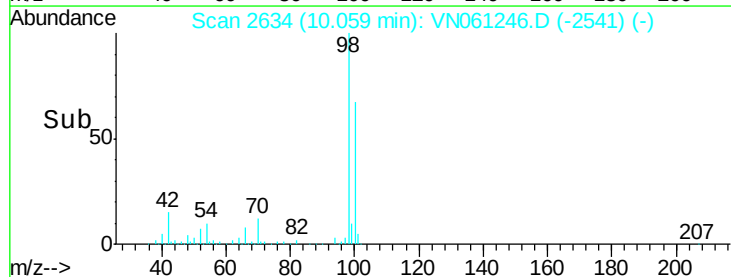
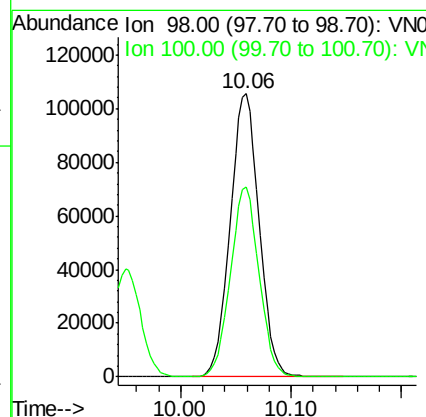
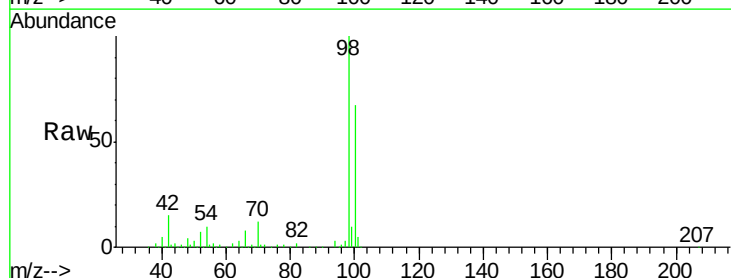
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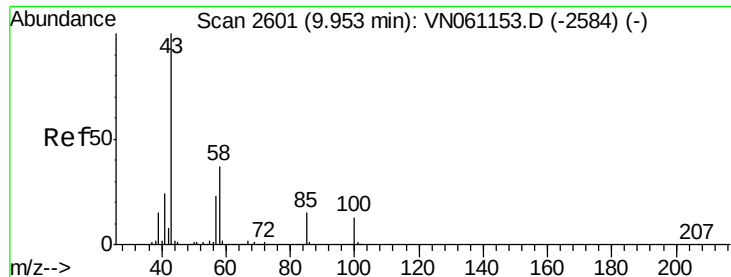
MMDadoda
5/4/2020 2:58:07 PM



#50
Toluene-d8
Concen: 48.841 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	192199		
100	66.5		53.4	80.0





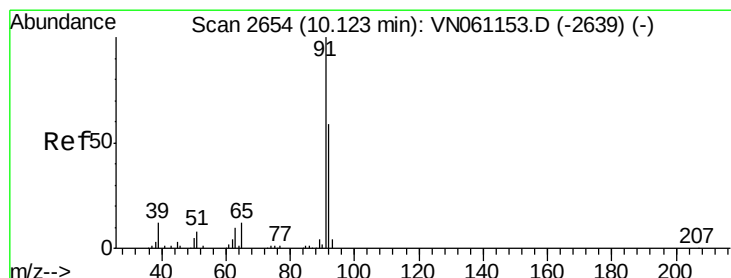
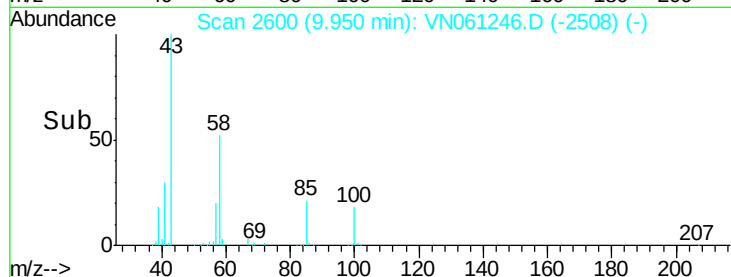
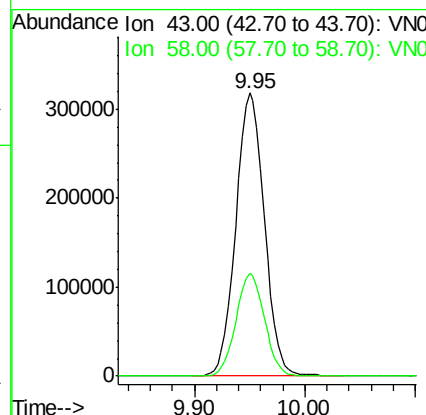
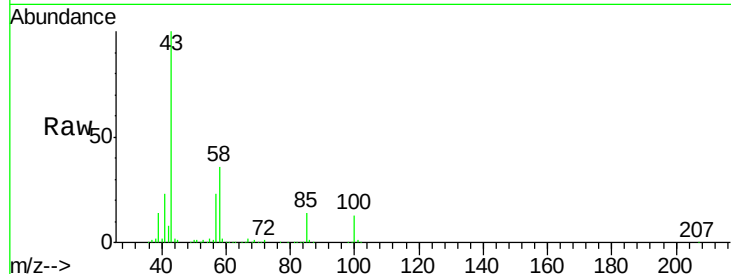
#51
4-Methyl-2-Pentanone
Concen: 305.678 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 572086
Ion Ratio Lower Upper
43 100
58 36.3 29.1 43.7

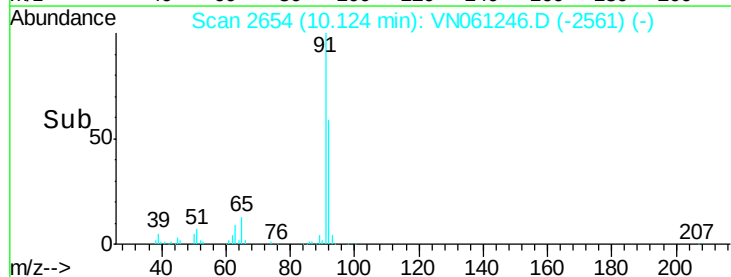
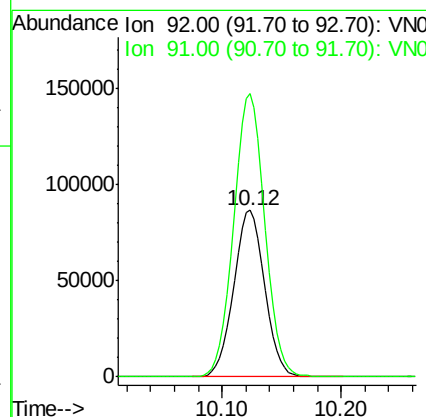
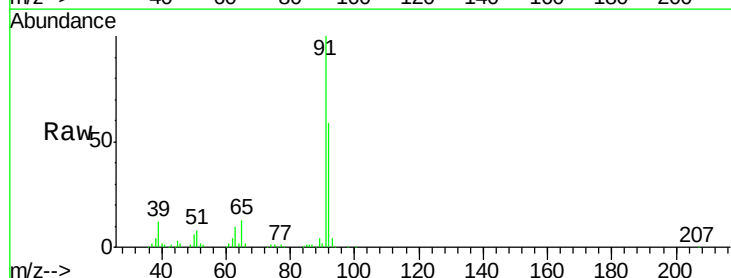
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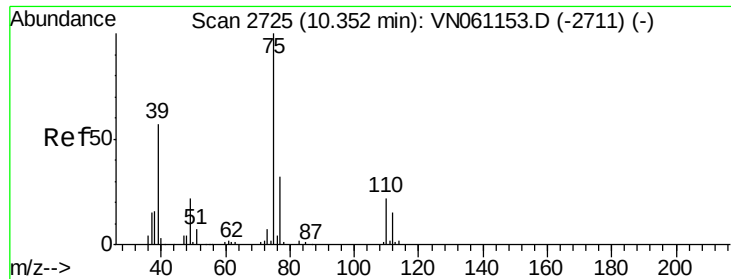
MMDadoda
5/4/2020 2:58:07 PM



#52
Toluene
Concen: 53.126 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion: 92 Resp: 155796
Ion Ratio Lower Upper
92 100
91 171.3 136.2 204.2





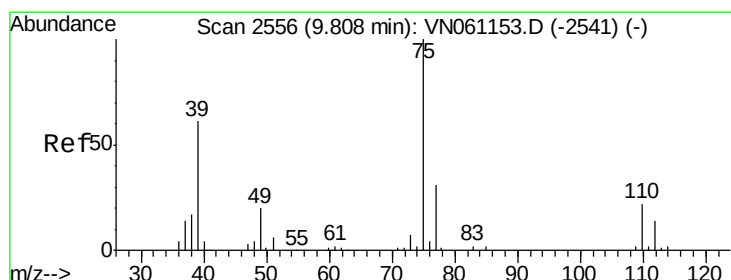
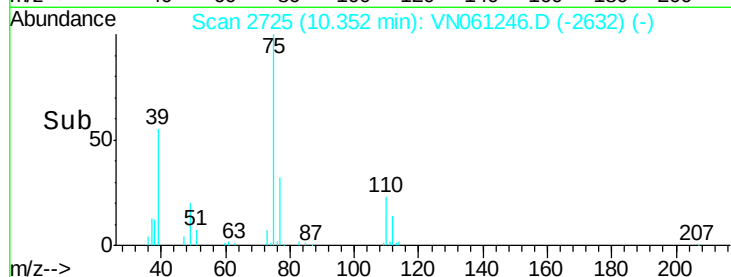
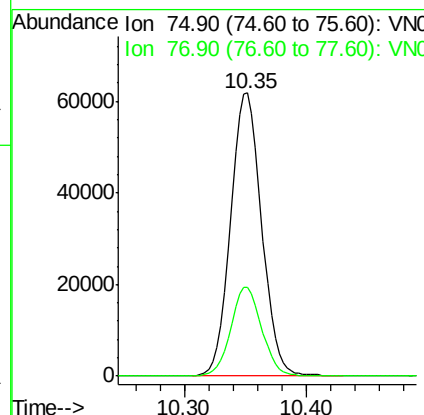
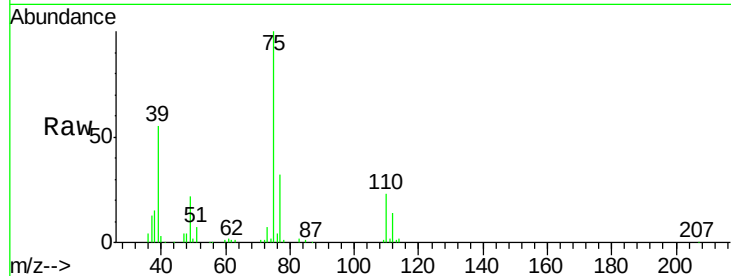
#53
t-1,3-Dichloropropene
Concen: 56.517 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

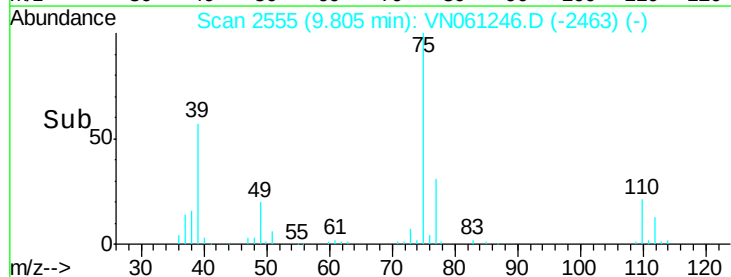
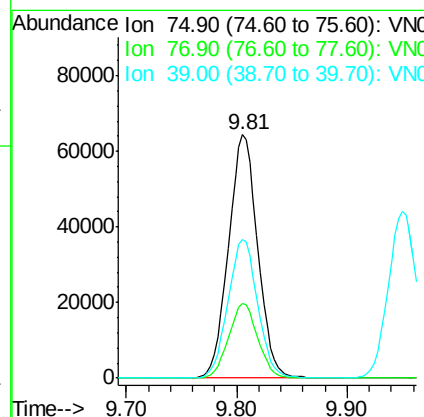
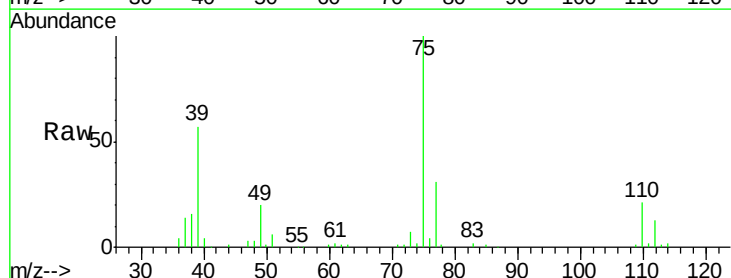
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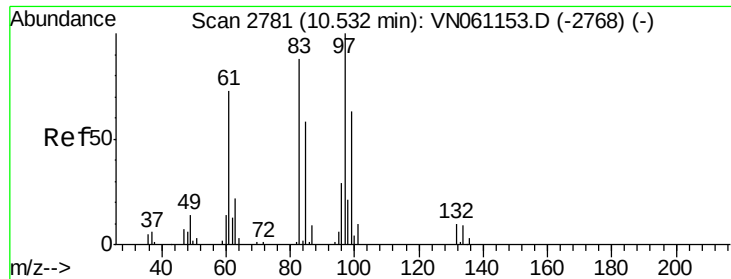
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 57.418 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	57.2	48.7	73.1





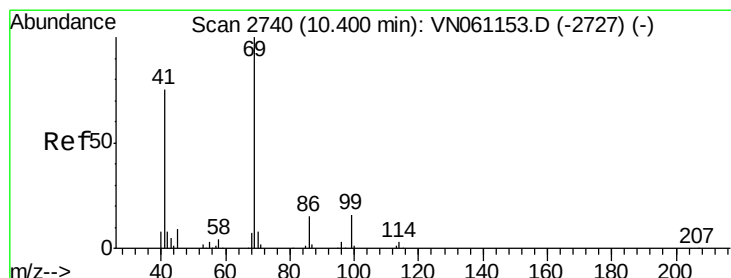
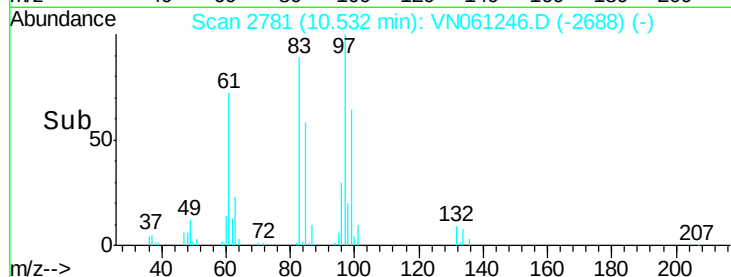
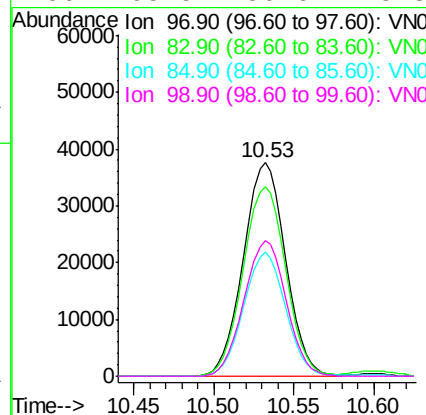
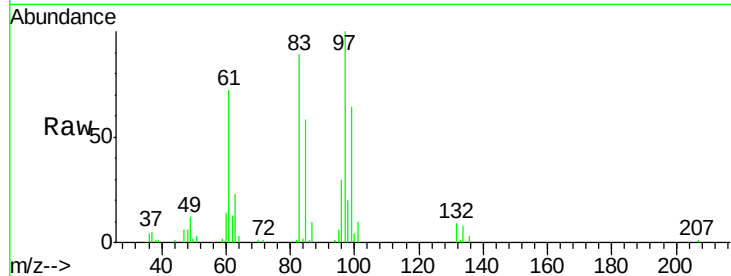
#55
 1,1,2-Trichloroethane
 Concen: 57.981 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	67822
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.6	106.0
85	57.9	46.4	69.6
99	63.5	50.6	75.8

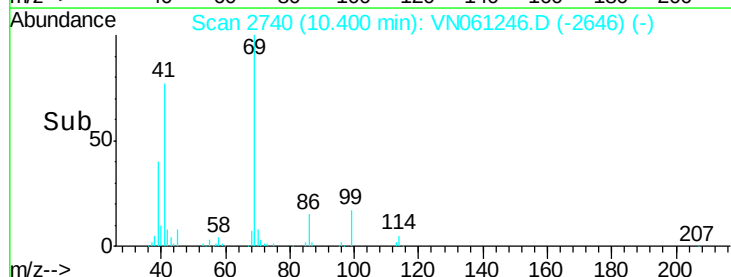
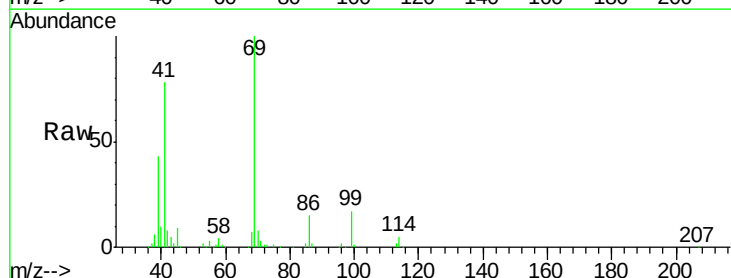
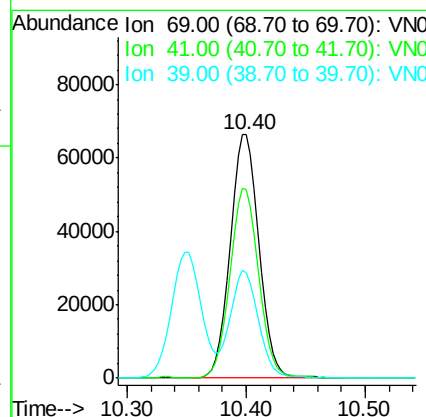
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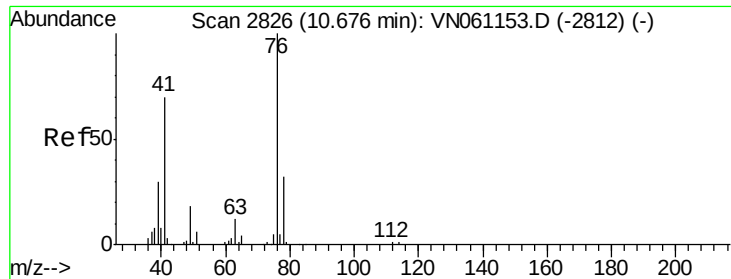
MMDadoda
 5/4/2020 2:58:07 PM



#56
 Ethyl methacrylate
 Concen: 54.346 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	69	Resp	111285
Ion	Ratio	Lower	Upper
69	100		
41	78.0	60.3	90.5
39	43.1	35.9	53.9





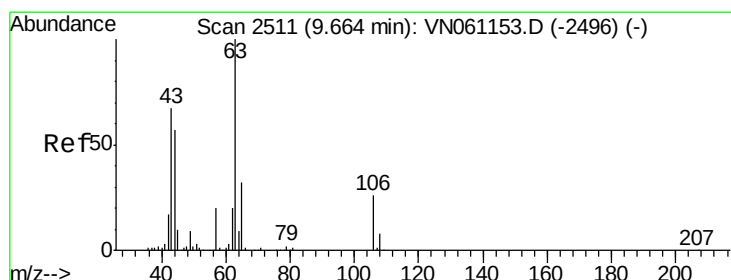
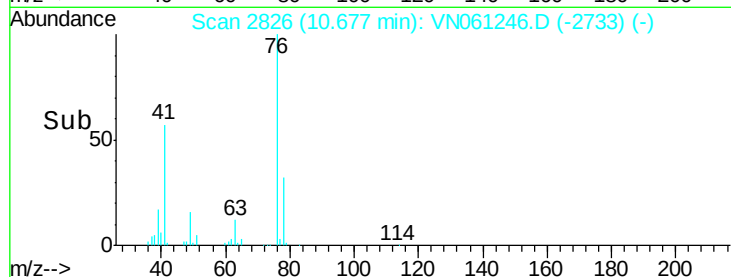
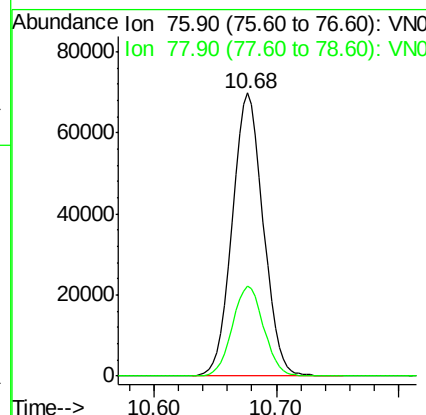
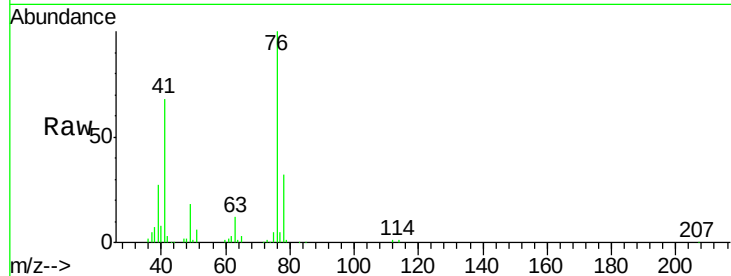
#57
 1,3-Dichloropropane
 Concen: 60.144 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

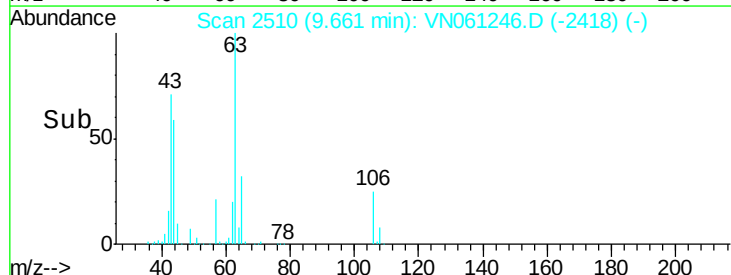
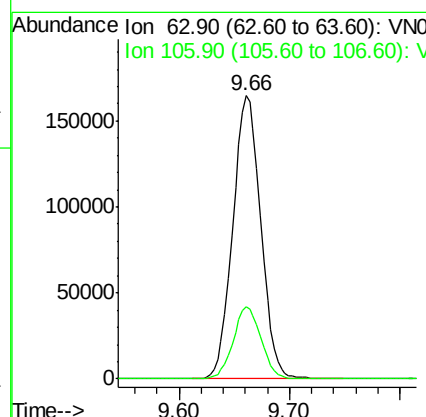
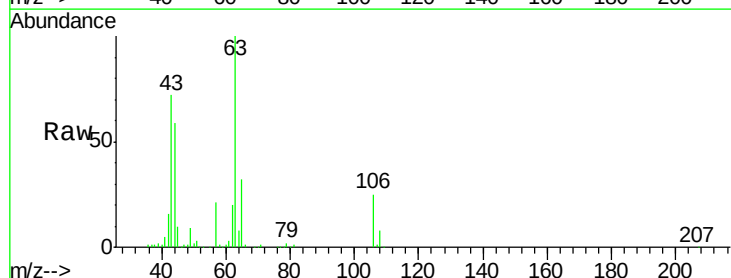
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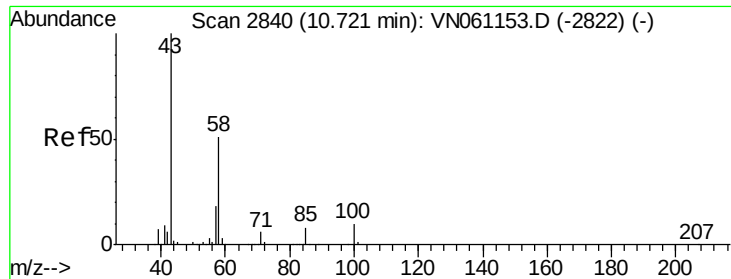
MMDadoda
 5/4/2020 2:58:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 306.947 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.6	30.8





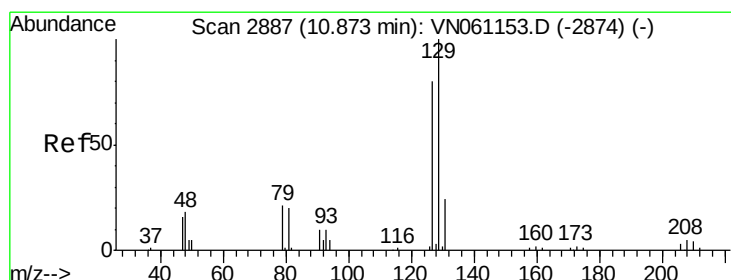
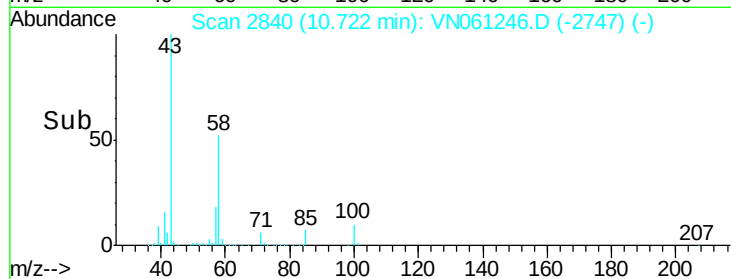
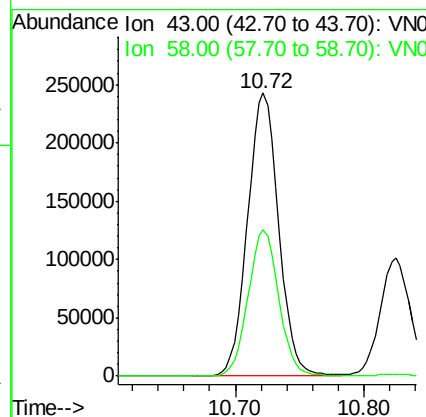
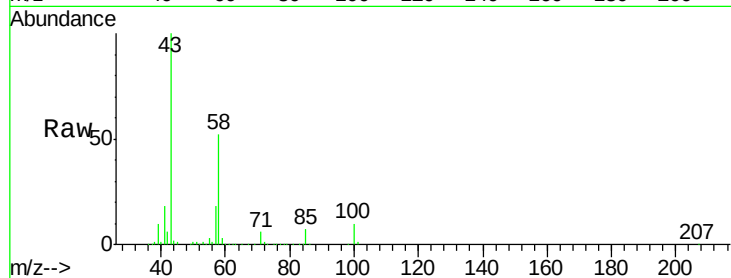
#59
2-Hexanone
Concen: 299.869 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 408294
Ion Ratio Lower Upper
43 100
58 51.0 25.4 76.4

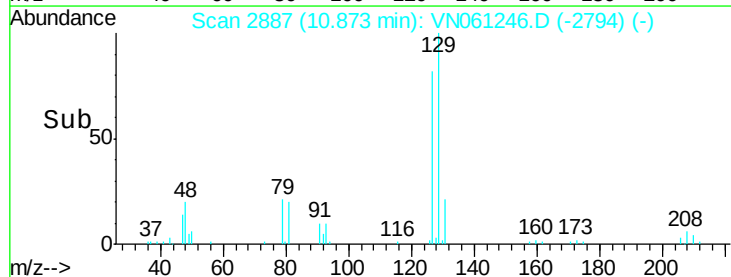
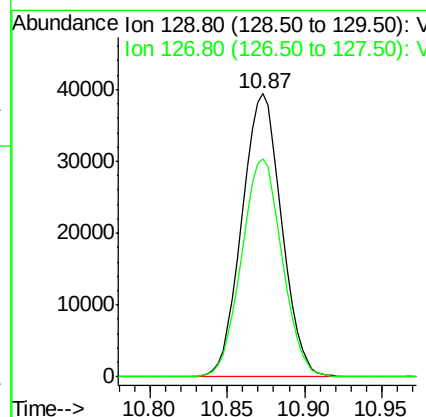
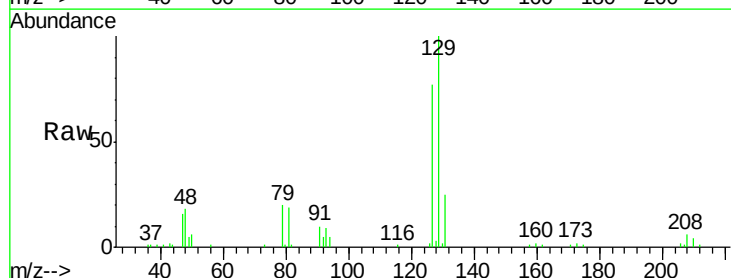
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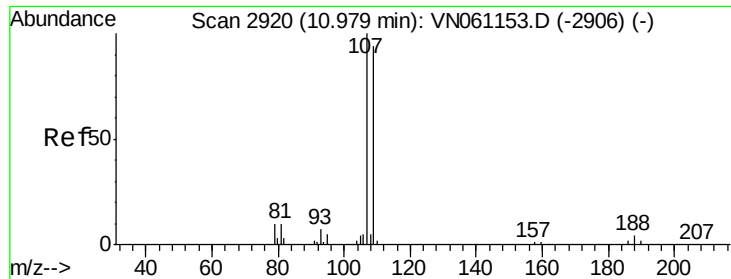
MMDadoda
5/4/2020 2:58:07 PM



#60
Dibromochloromethane
Concen: 57.502 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion: 129 Resp: 70446
Ion Ratio Lower Upper
129 100
127 78.5 39.3 117.8





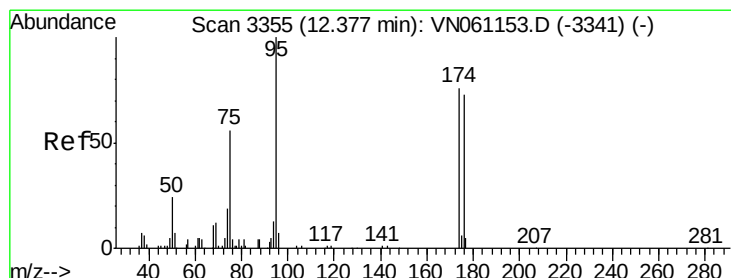
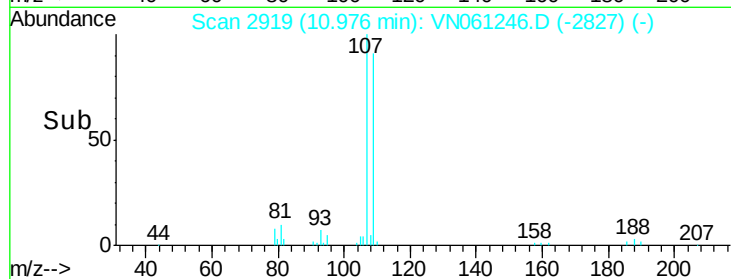
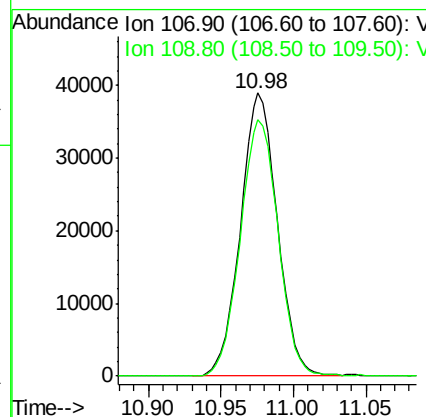
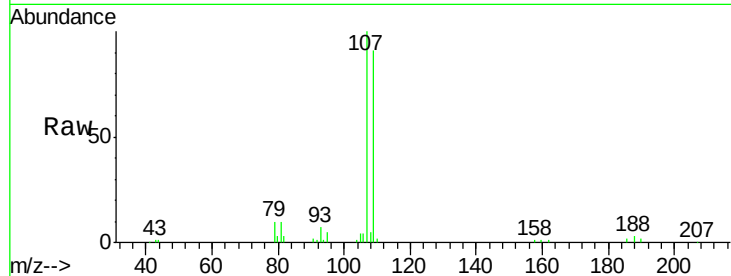
#61
 1,2-Dibromoethane
 Concen: 58.459 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.8	112.2

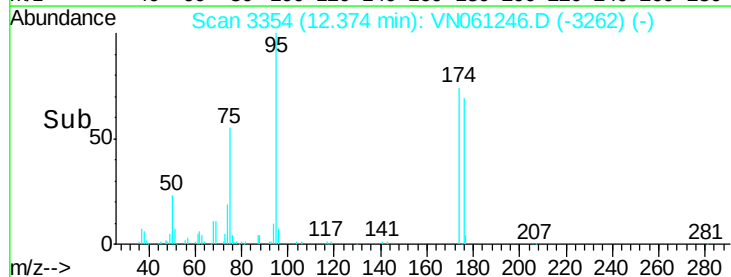
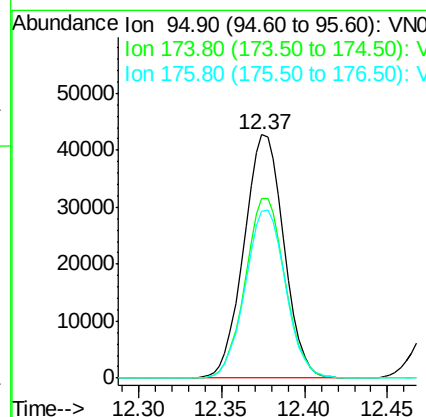
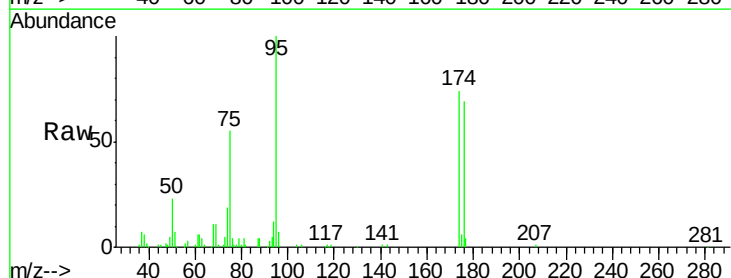
Manual Integrations
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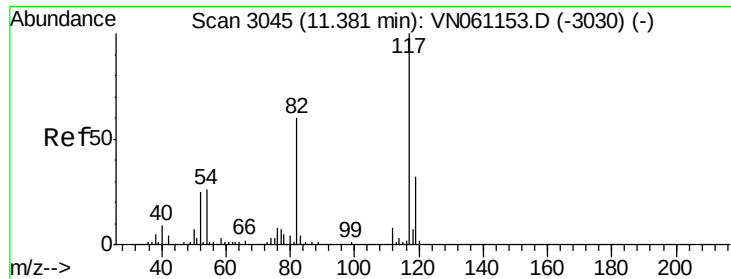
MMDadoda
 5/4/2020 2:58:07 PM



#62
 4-Bromofluorobenzene
 Concen: 48.499 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	149.4
176	69.7	0.0	144.8





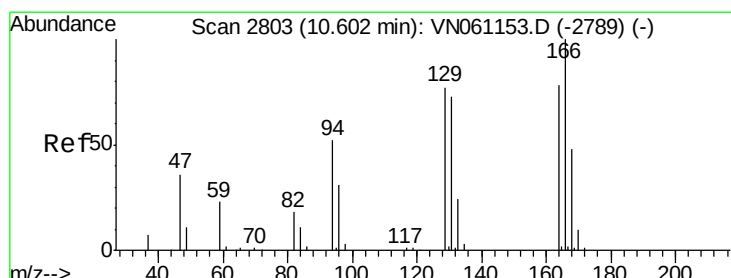
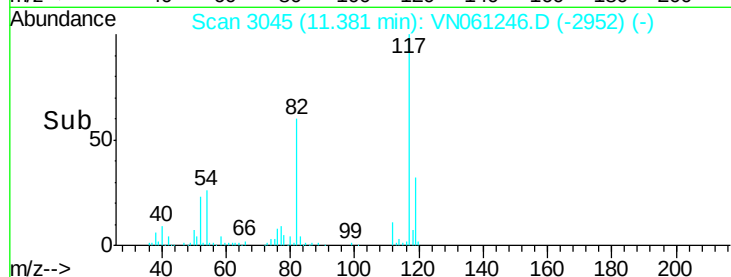
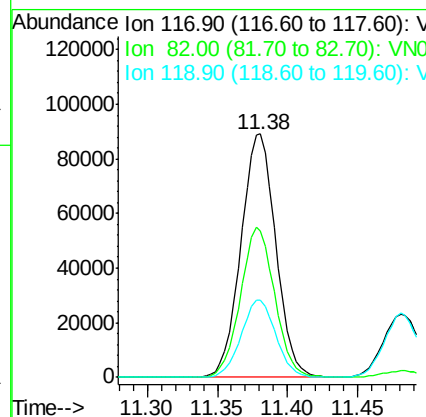
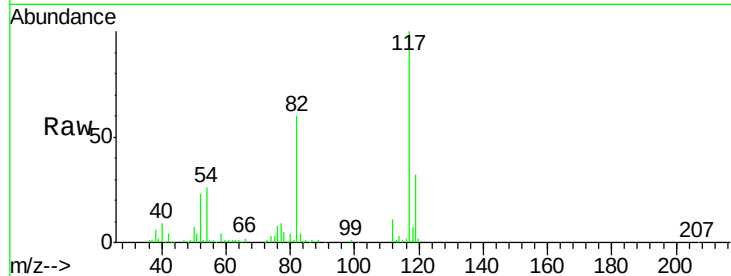
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.8	71.8
119	31.7	25.8	38.6

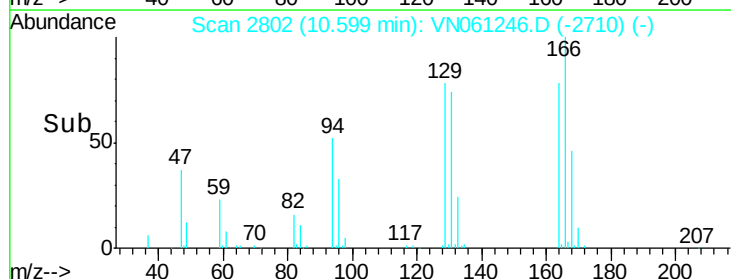
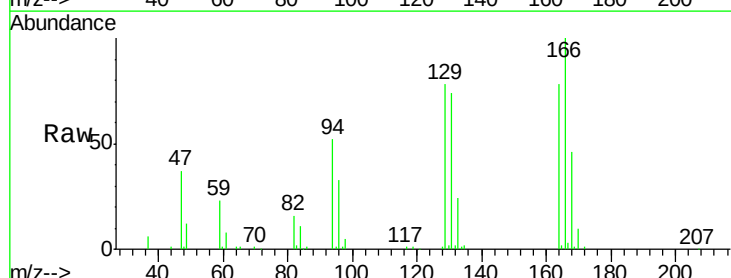
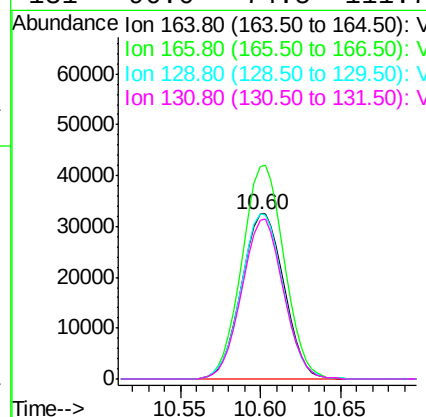
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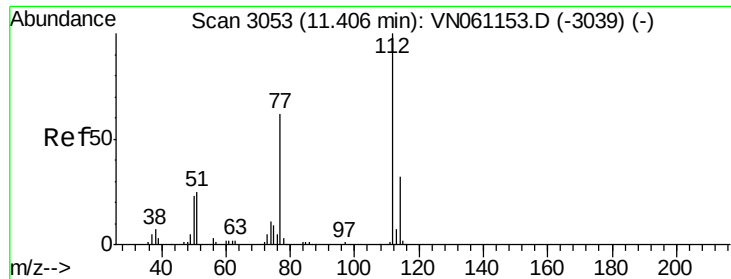
MMDadoda
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#64
Tetrachloroethene
Concen: 44.113 ug/l
RT: 10.60 min Scan# 2802
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.0	153.0
129	100.3	78.2	117.2
131	96.0	74.5	111.7





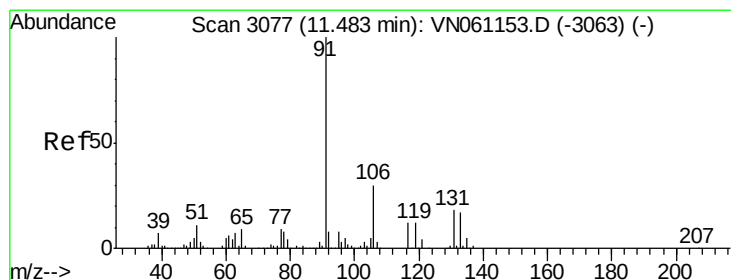
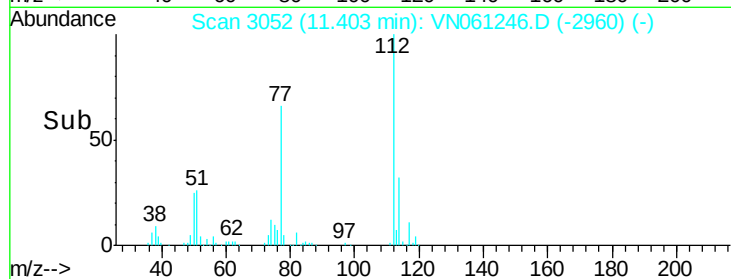
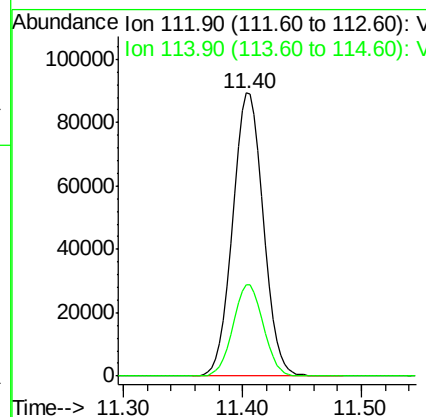
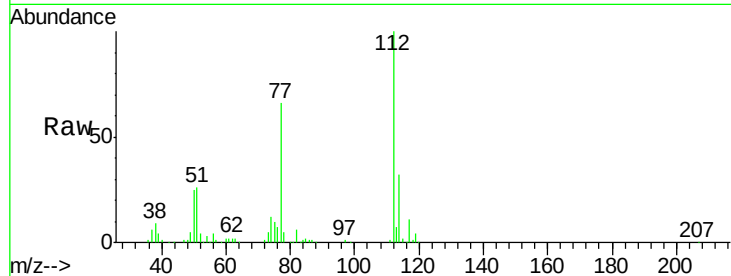
#65
Chlorobenzene
Concen: 52.071 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.2

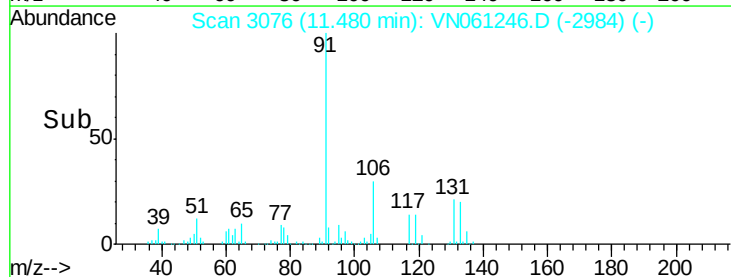
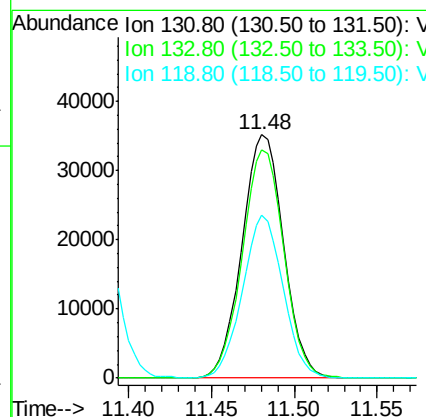
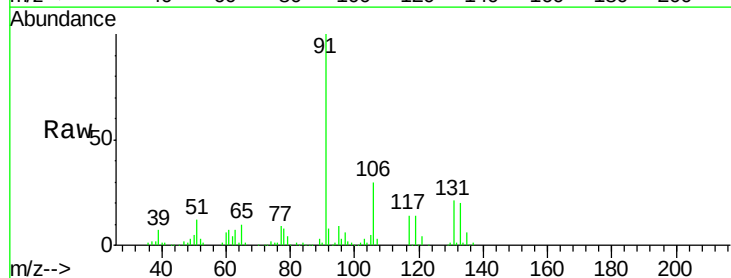
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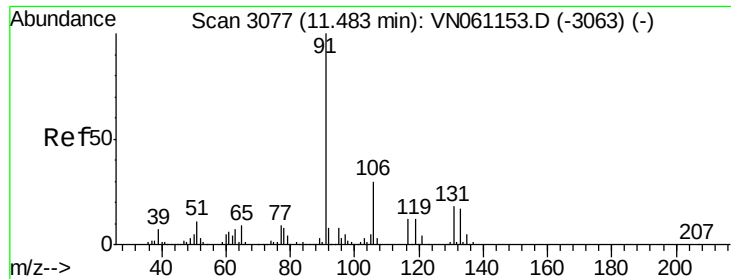
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.172 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	48.0	144.2
119	65.1	32.6	97.8





#67

Ethyl Benzene

Concen: 50.738 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 291053

Ion Ratio Lower Upper

91 100

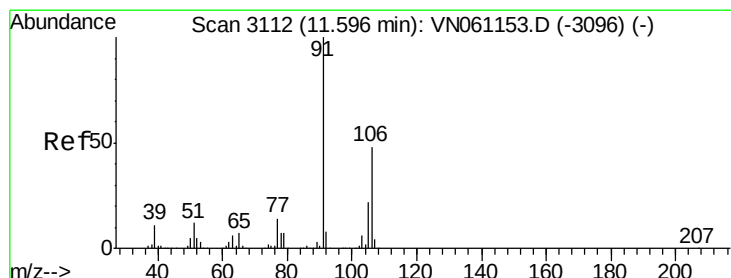
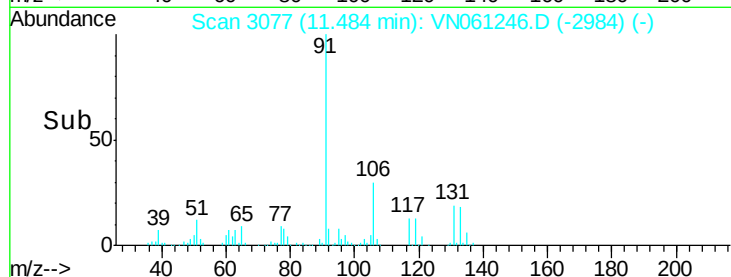
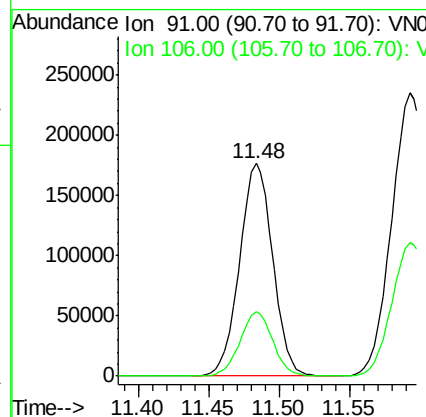
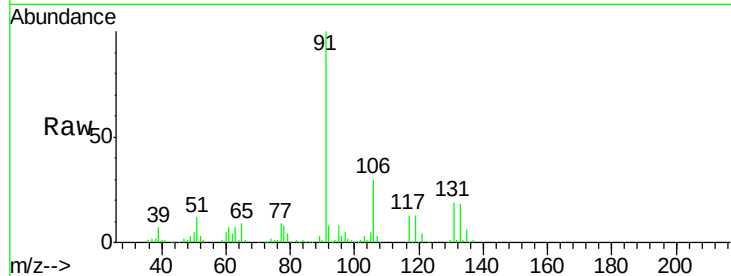
106 30.1 23.8 35.6

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#68

m/p-Xylenes

Concen: 102.120 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061246.D

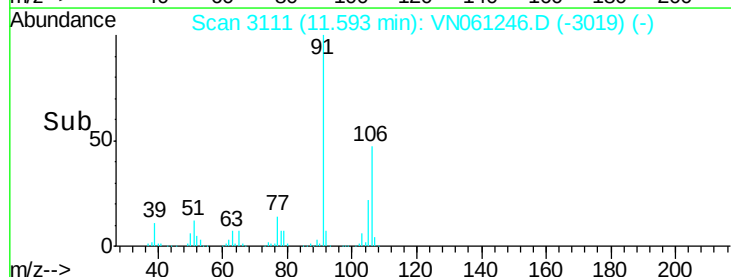
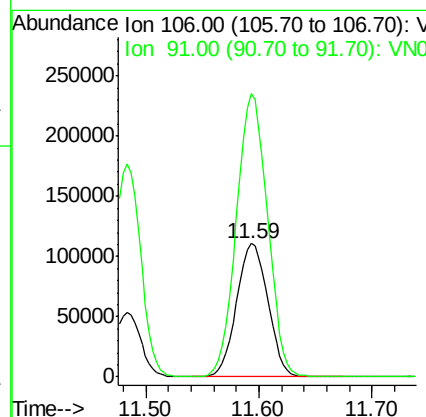
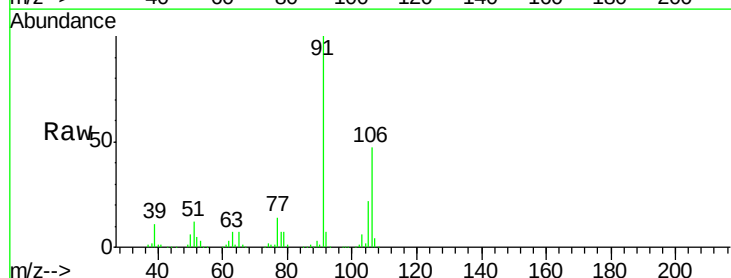
Acq: 2 May 2020 00:48

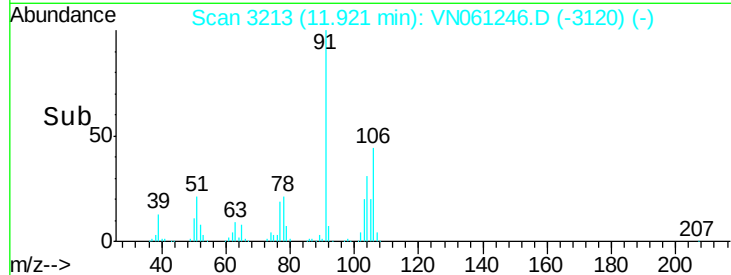
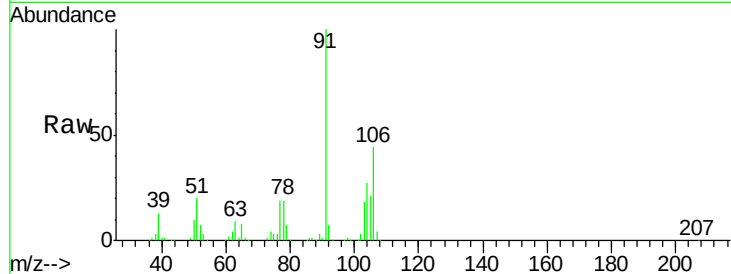
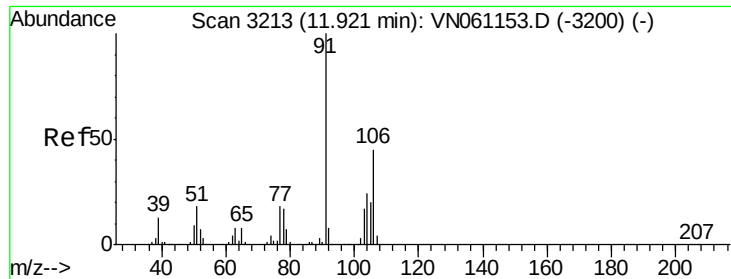
Tgt Ion: 106 Resp: 214422

Ion Ratio Lower Upper

106 100

91 210.1 166.4 249.6





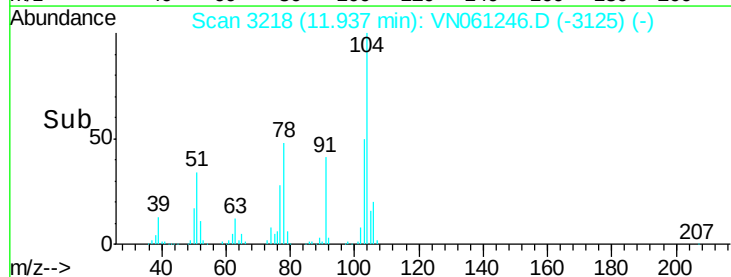
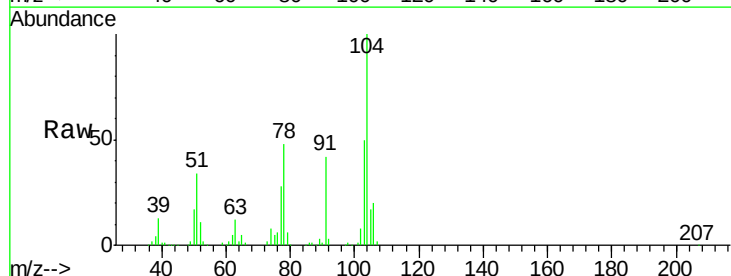
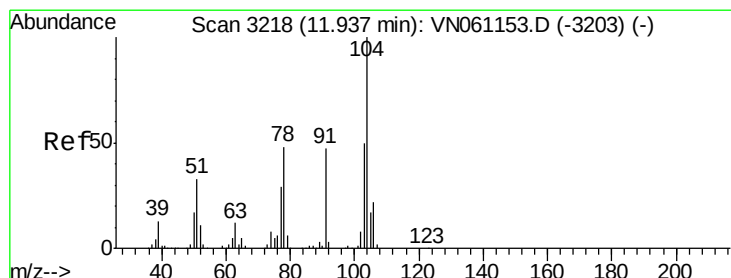
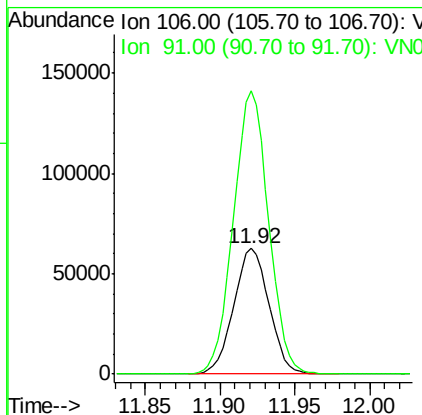
#69
o-Xylene
Concen: 51.138 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	103140		
91	91	224.0	109.7	329.0	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

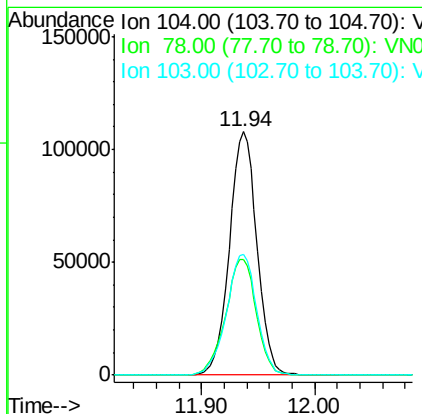
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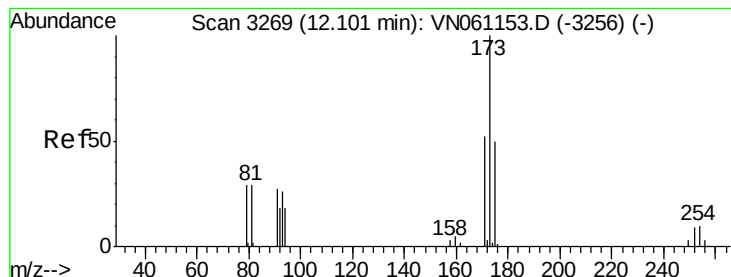
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#70
Styrene
Concen: 53.957 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	182141		
78	78	53.3	42.1	63.1	
103	103	54.4	43.3	64.9	





#71

Bromoform

Concen: 58.581 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 47220

Ion Ratio Lower Upper

173 100

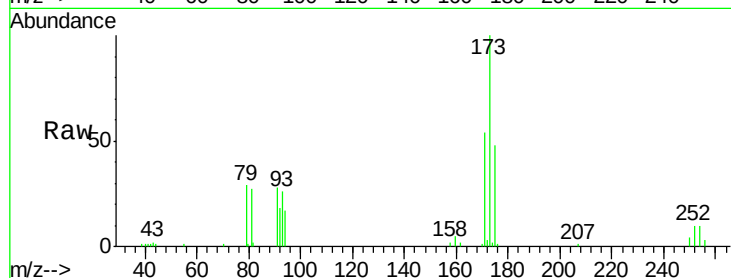
175 48.7 24.1 72.4

254 0.0 0.0 0.0

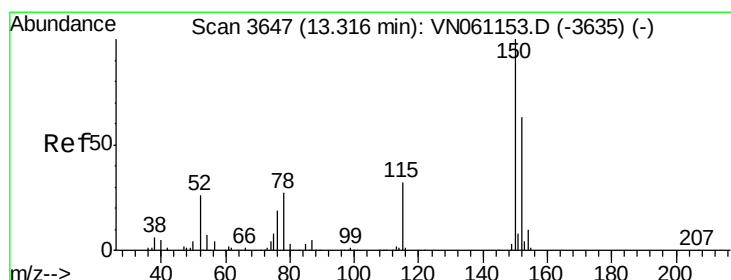
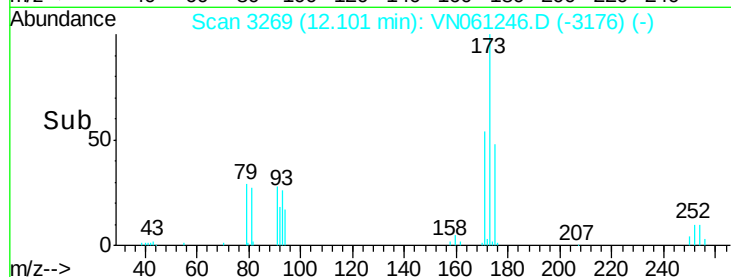
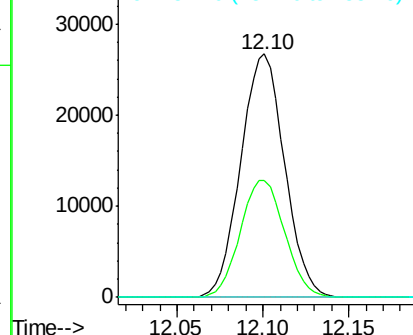
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

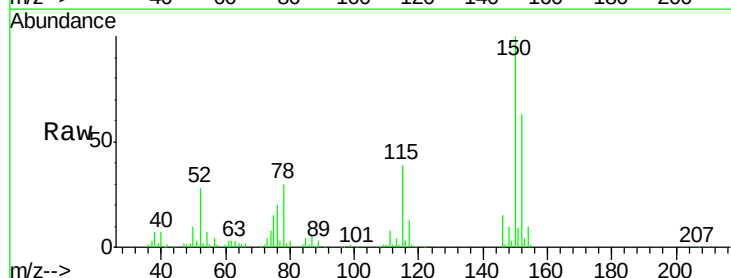
Tgt Ion:152 Resp: 71411

Ion Ratio Lower Upper

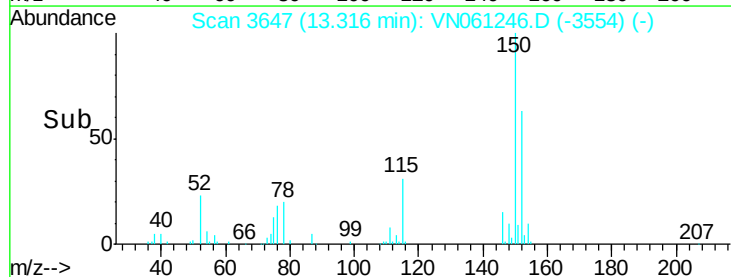
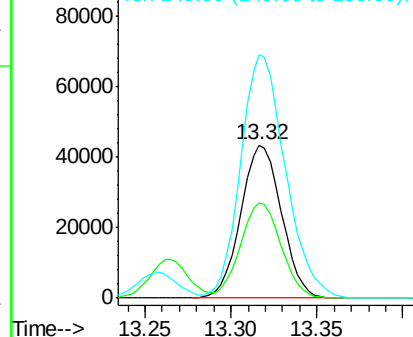
152 100

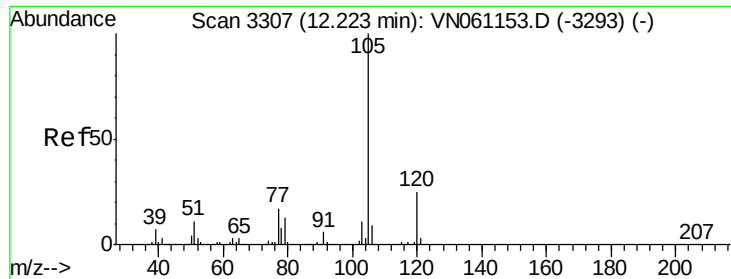
115 62.6 31.0 93.0

150 175.6 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: 51.107 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 268299

Ion Ratio Lower Upper

105 100

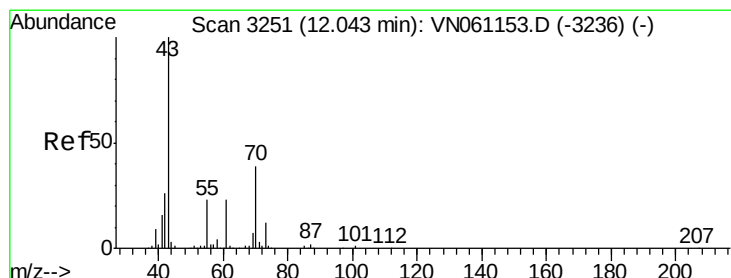
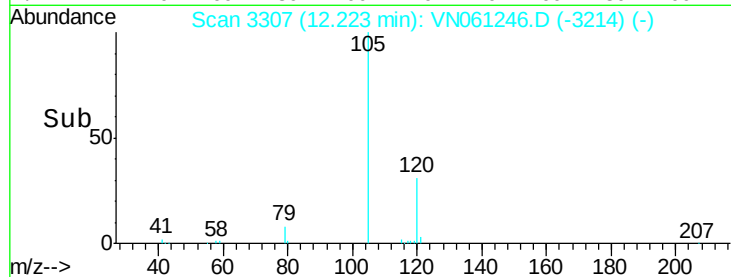
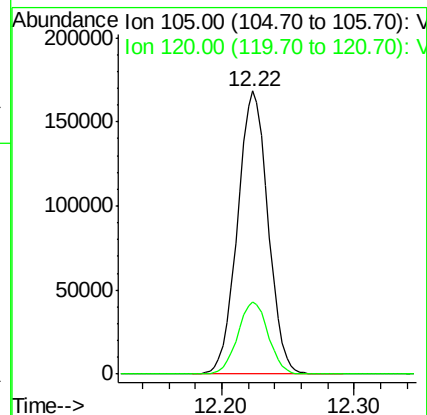
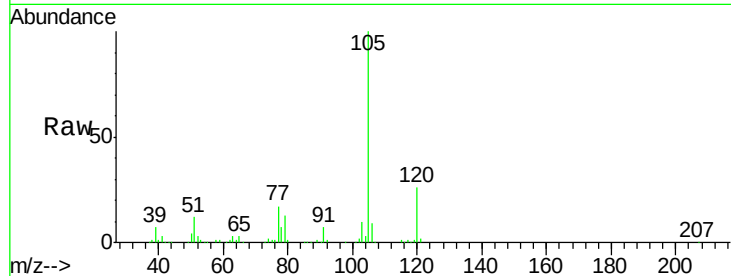
120 25.5 12.6 37.8

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#74

N-ethyl acetate

Concen: 61.247 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion: 43 Resp: 162817

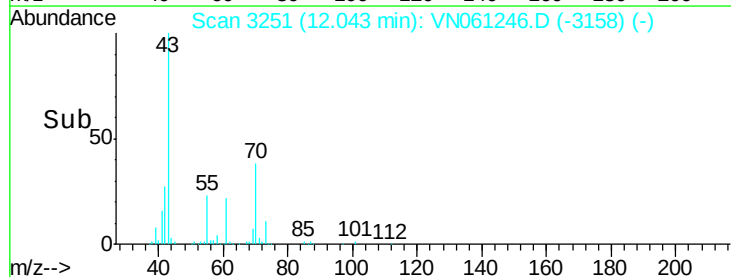
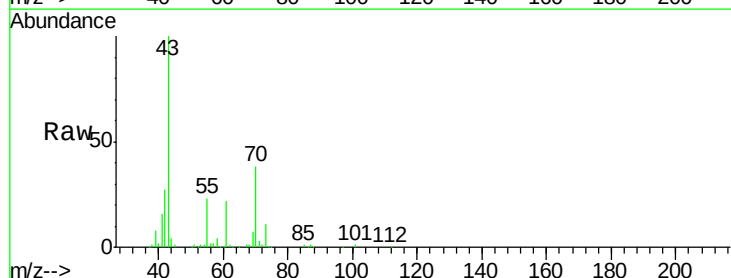
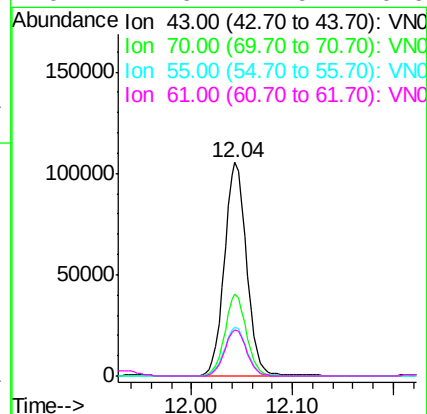
Ion Ratio Lower Upper

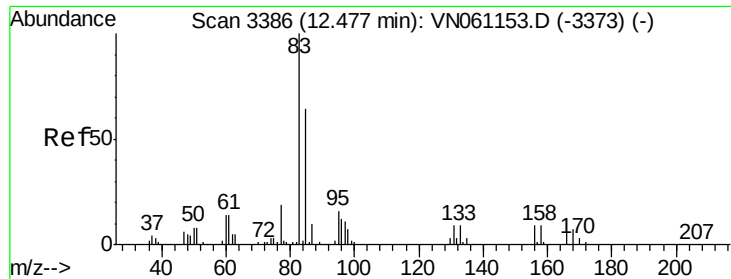
43 100

70 37.1 30.6 46.0

55 23.0 18.5 27.7

61 21.6 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 61.419 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

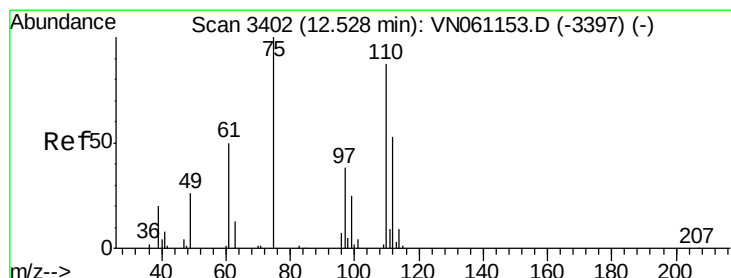
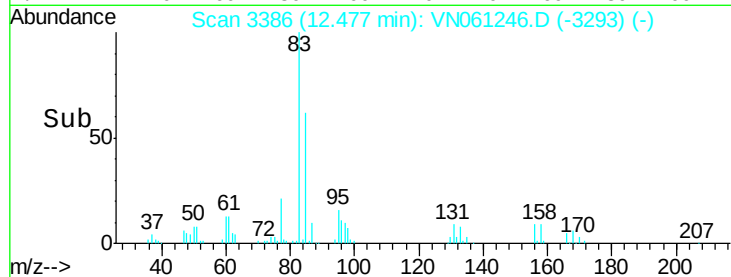
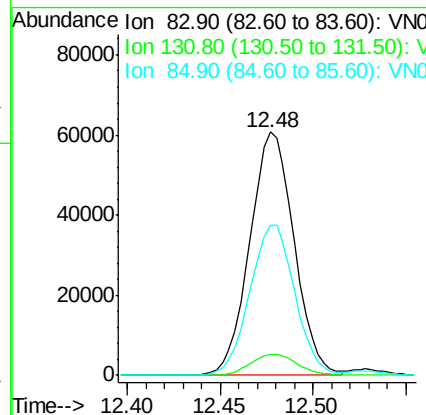
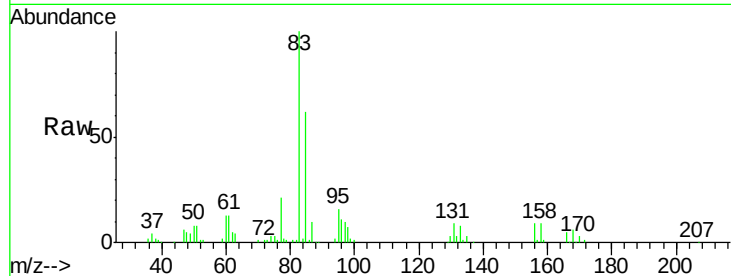
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	100539
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.3
85	62.9	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 57.757 ug/l m

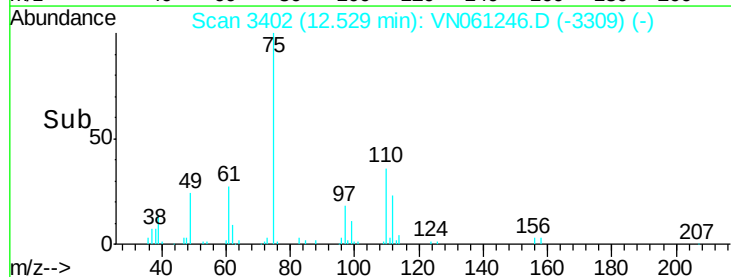
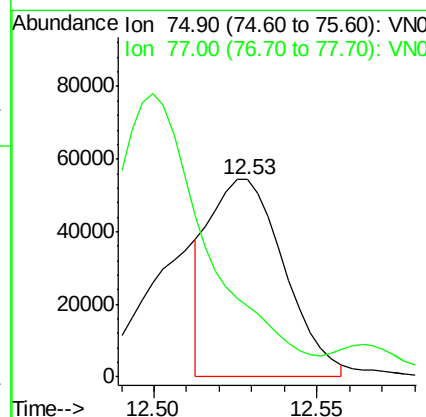
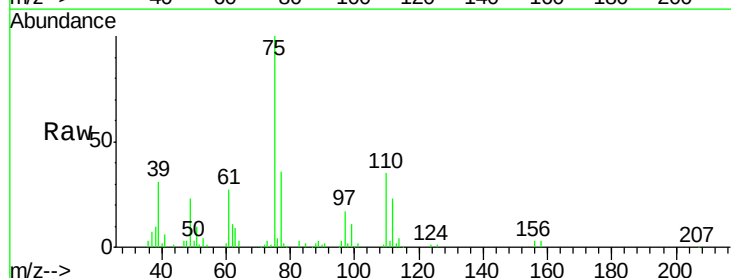
RT: 12.53 min Scan# 3402

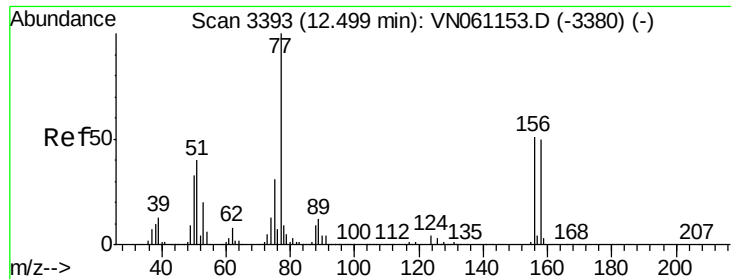
Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Tgt Ion:	75	Resp:	86955
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.565 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 67338

Ion Ratio Lower Upper

156 100

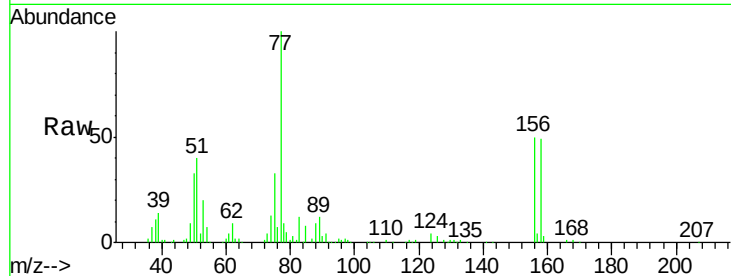
77 242.4 117.4 352.2

158 96.9 48.4 145.0

Manual Integrations
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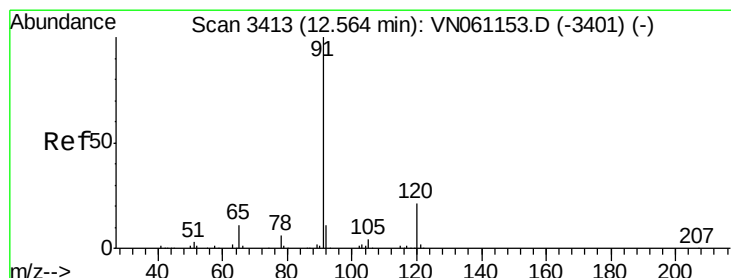
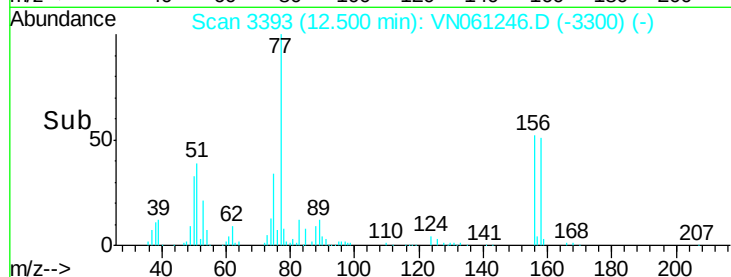
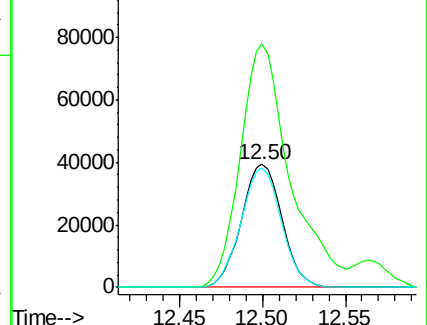
5/4/2020 2:58:07 PM



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: 51.862 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061246.D

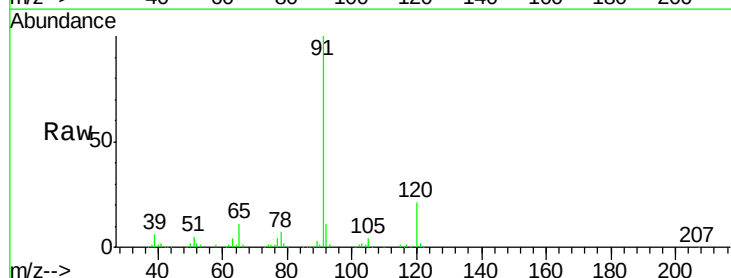
Acq: 2 May 2020 00:48

Tgt Ion: 91 Resp: 322936

Ion Ratio Lower Upper

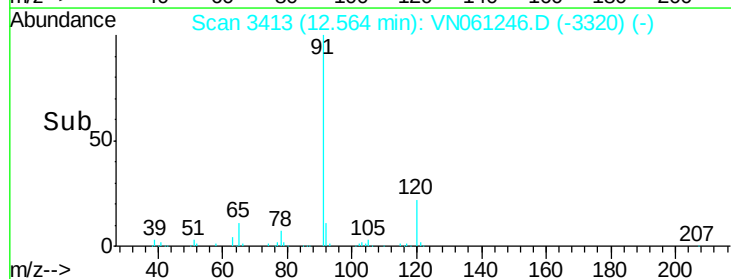
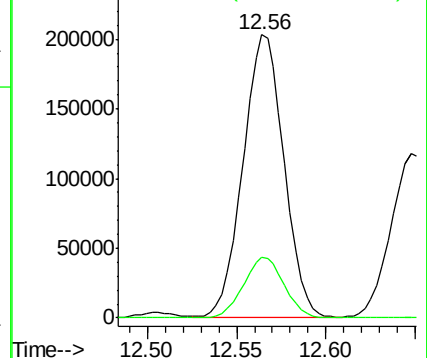
91 100

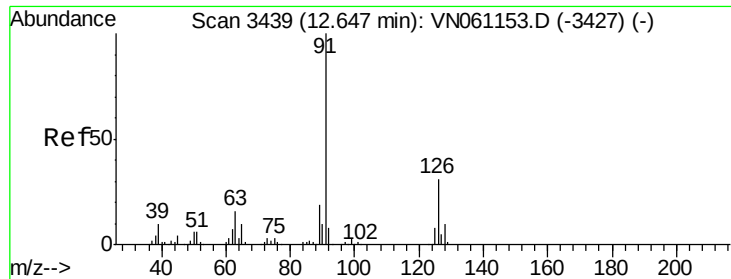
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





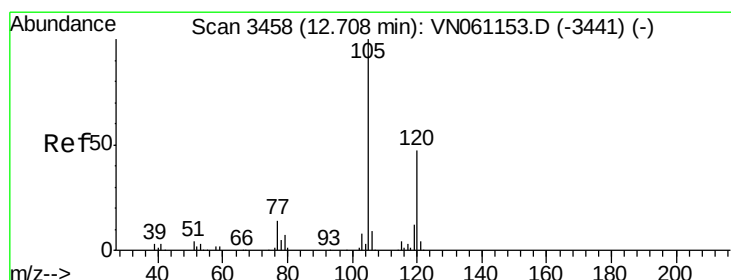
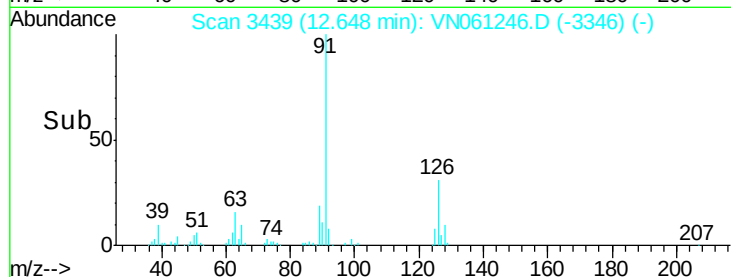
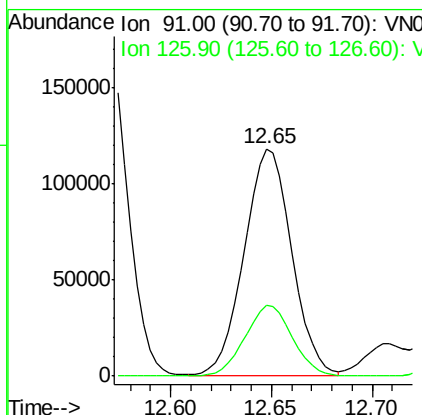
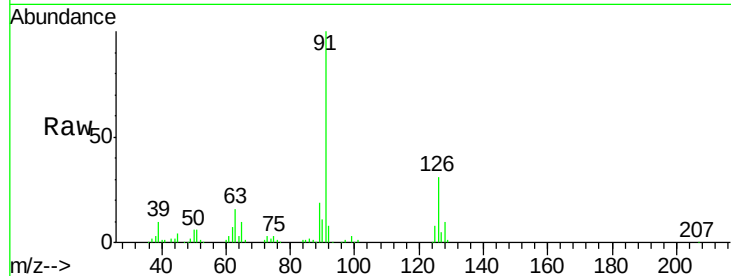
#79
 2-Chlorotoluene
 Concen: 53.185 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 194654
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.9 47.7

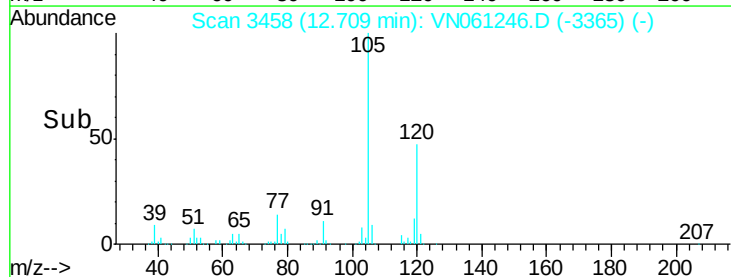
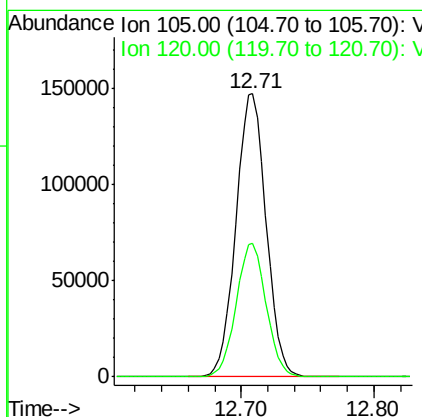
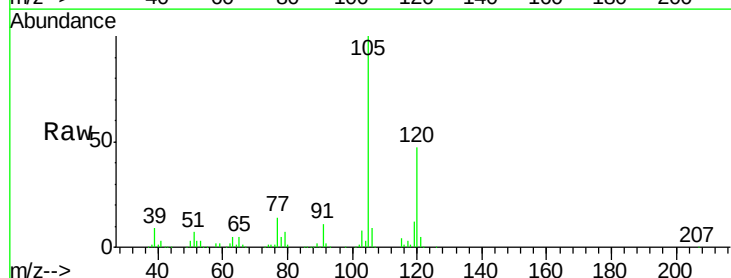
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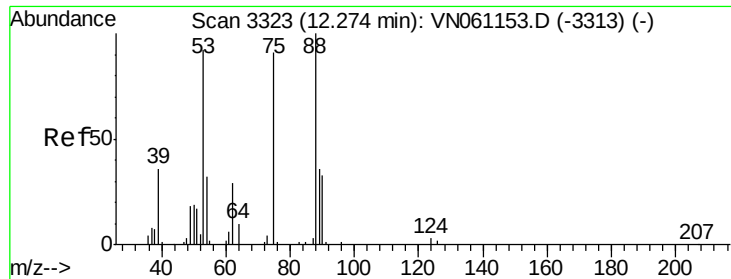
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.596 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion: 105 Resp: 232877
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.9 71.7





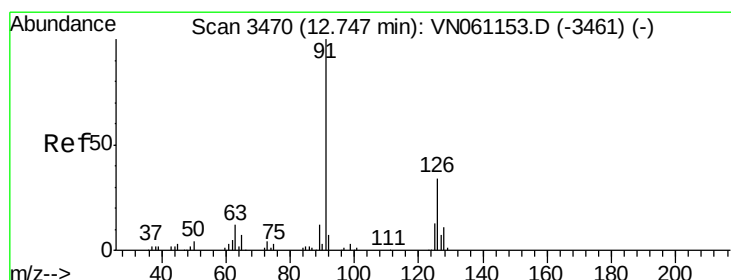
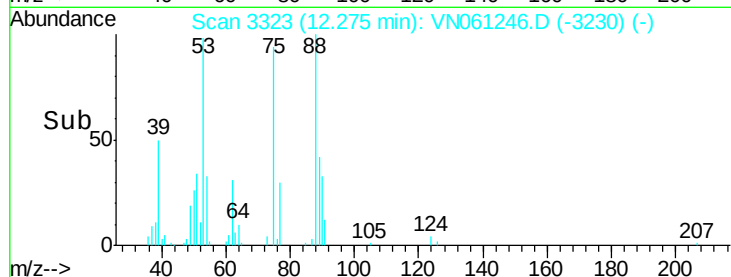
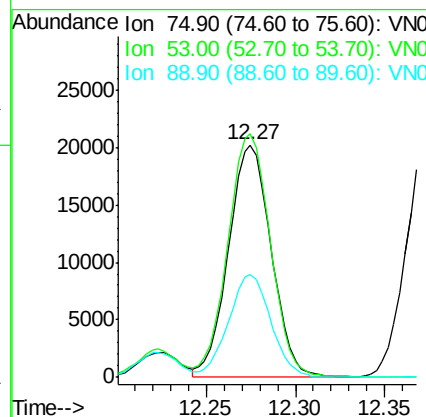
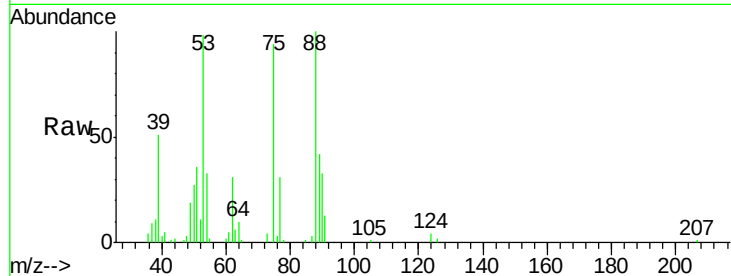
#81
trans-1,4-Dichloro-2-butene
Concen: 56.689 ug/l
RT: 12.27 min Scan# 3323
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.9	84.1	126.1
89	43.8	35.2	52.8

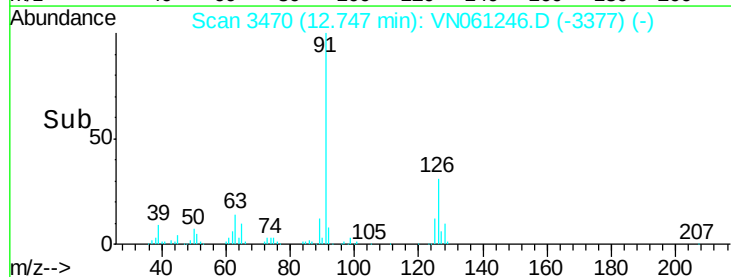
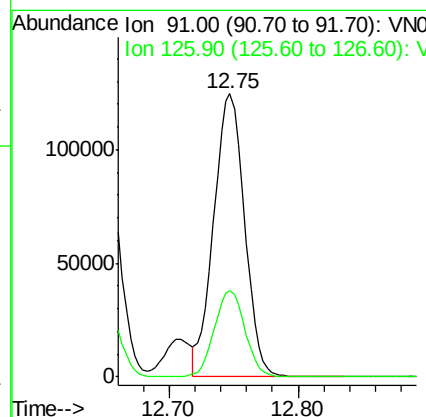
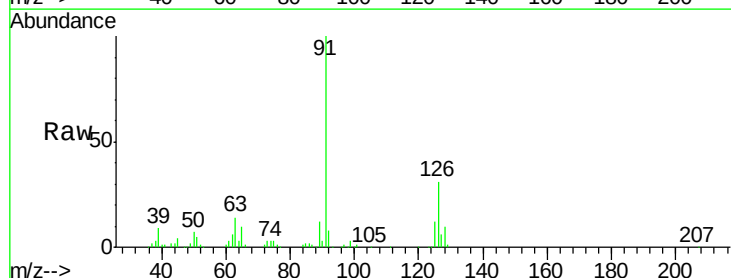
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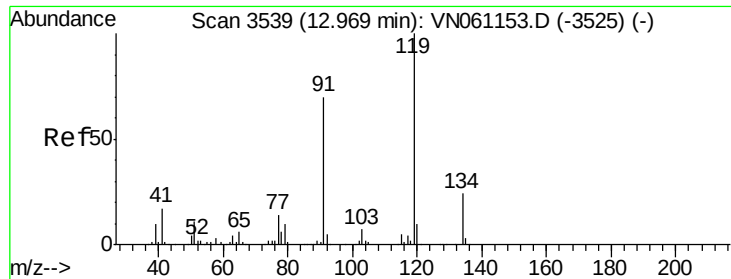
MMDadoda
5/4/2020 2:58:07 PM



#82
4-Chlorotoluene
Concen: 53.818 ug/l
RT: 12.75 min Scan# 3470
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.7	47.1





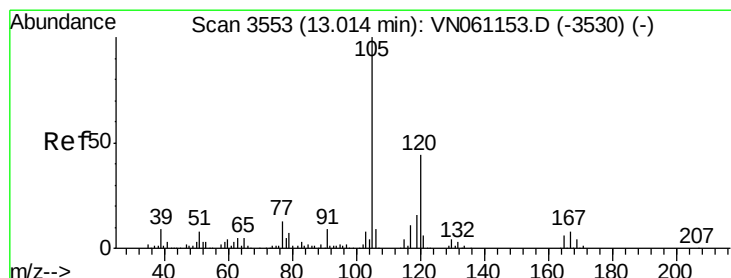
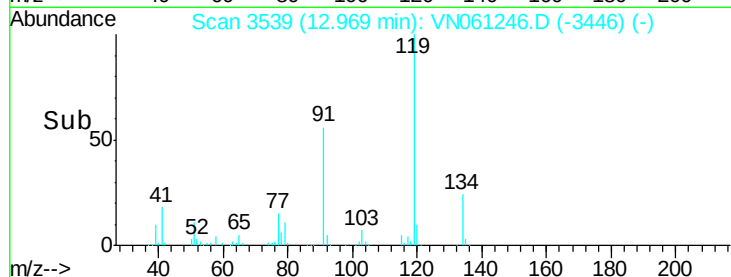
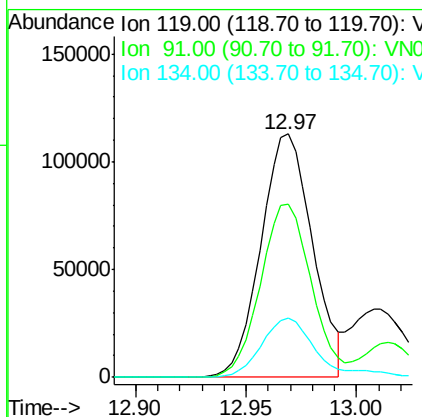
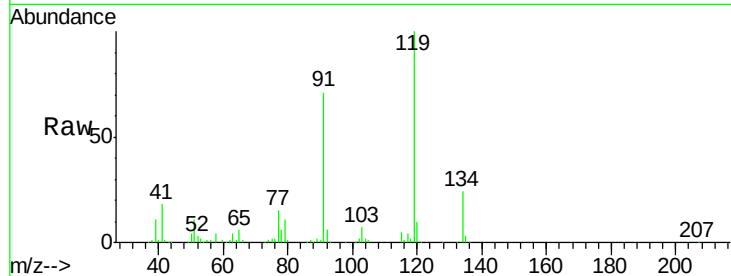
#83
 tert-Butylbenzene
 Concen: 49.927 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182920		
91	70.0	34.8	104.4	
134	26.0	12.9	38.7	

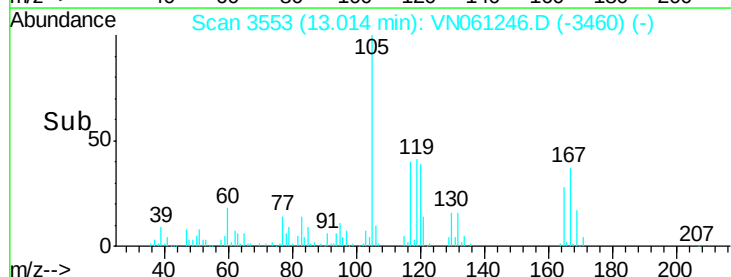
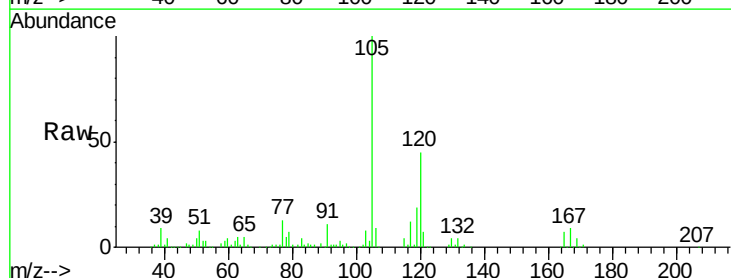
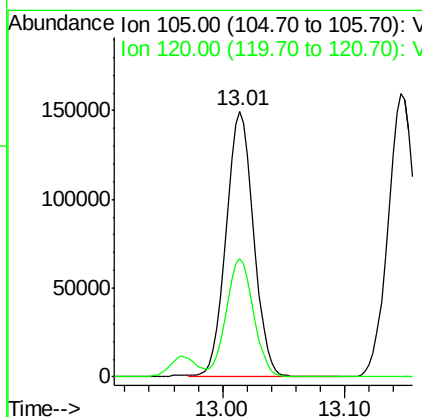
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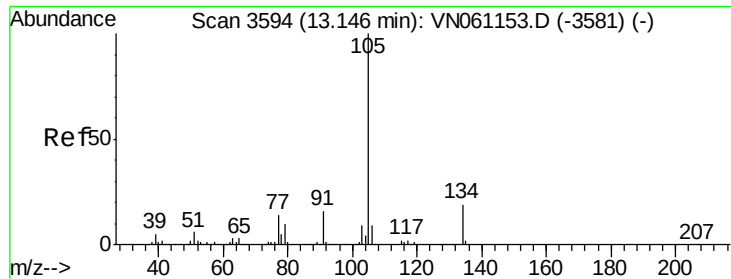
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 5/4/2020 2:58:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.838 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236531		
120	44.2	22.2	66.6	





#85

sec-Butylbenzene

Concen: 50.609 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 252798

Ion Ratio Lower Upper

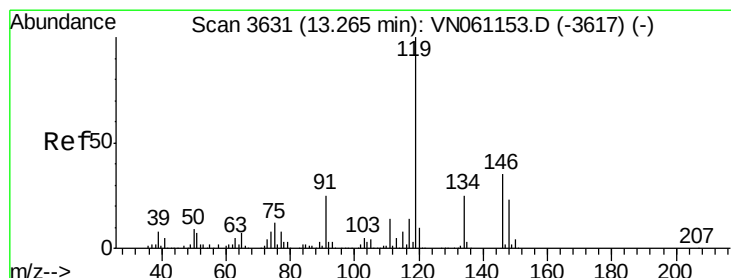
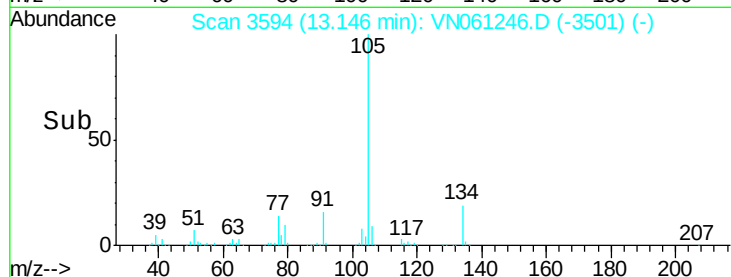
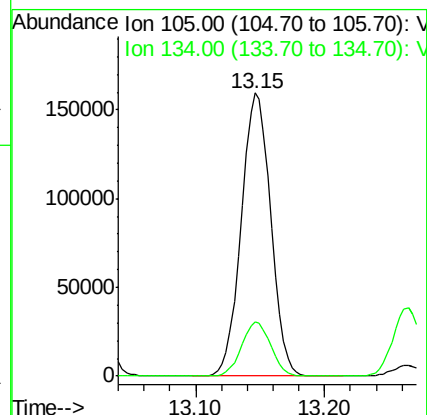
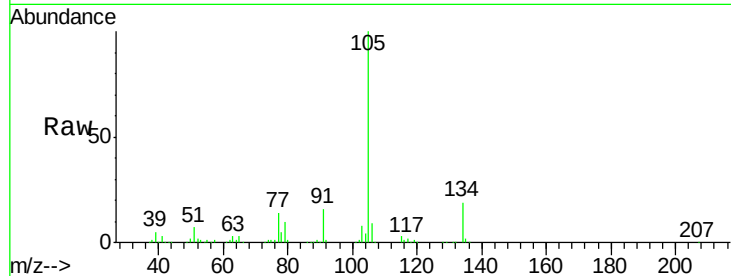
105 100

134 18.9 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 50.947 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061246.D

Acq: 2 May 2020 00:48

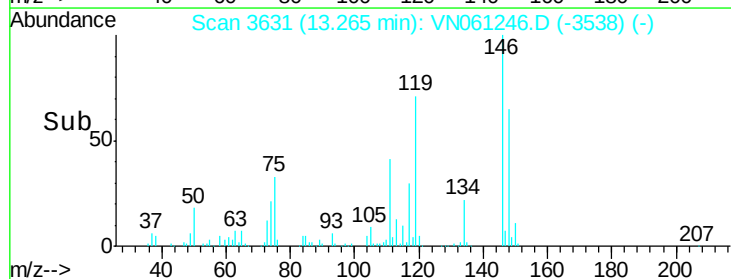
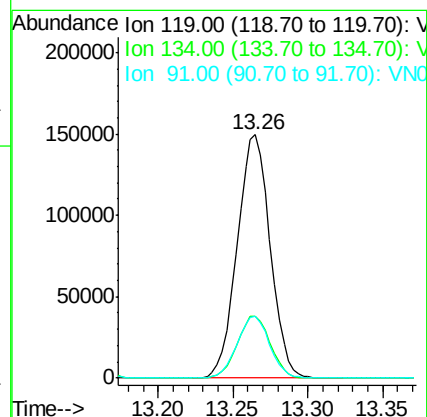
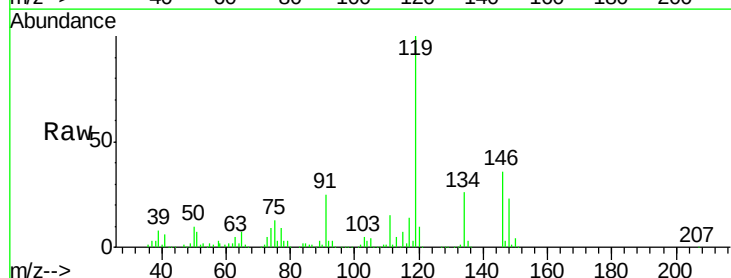
Tgt Ion:119 Resp: 229284

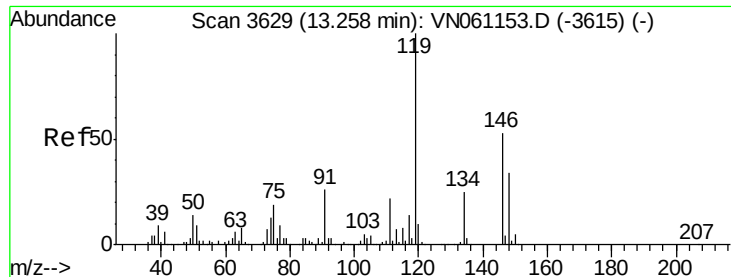
Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.6

91 25.3 12.7 38.0





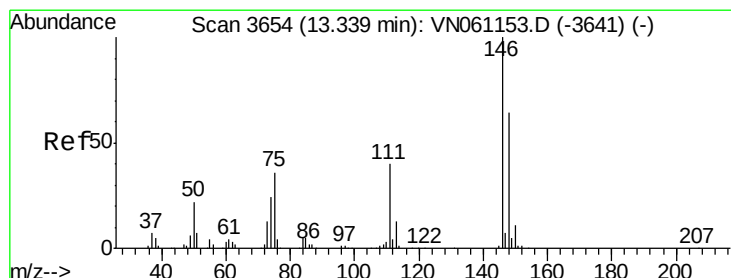
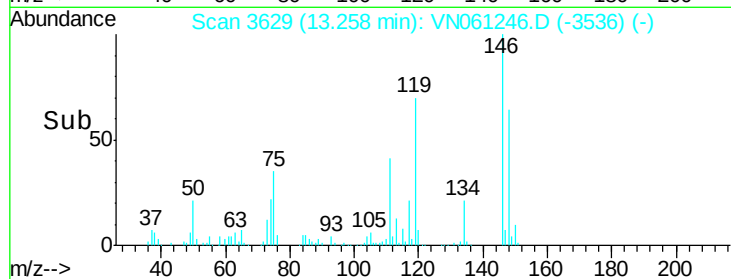
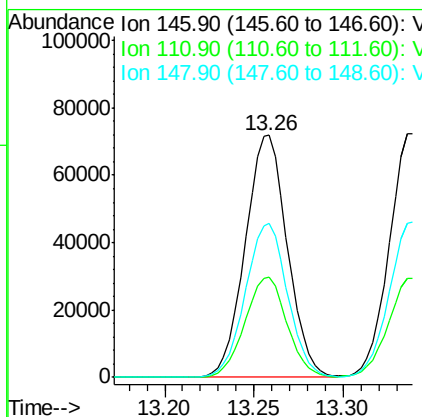
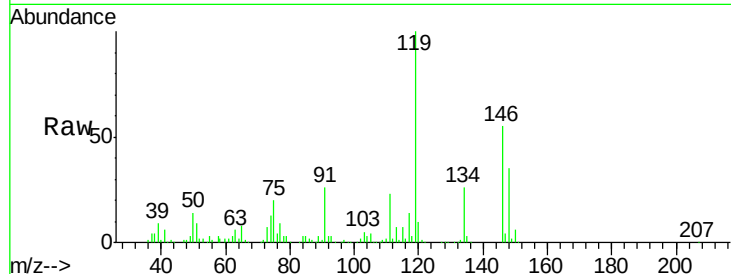
#87
 1,3-Dichlorobenzene
 Concen: 53.107 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118481		
111	41.3	20.7	62.1	
148	63.6	31.8	95.3	

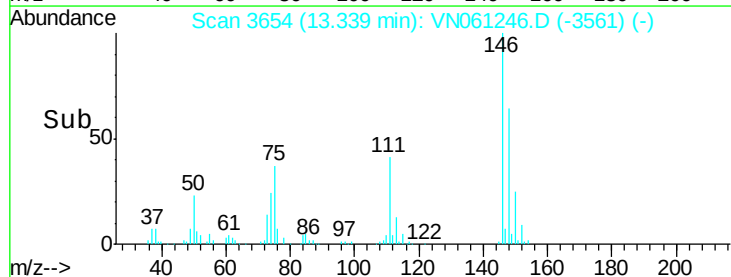
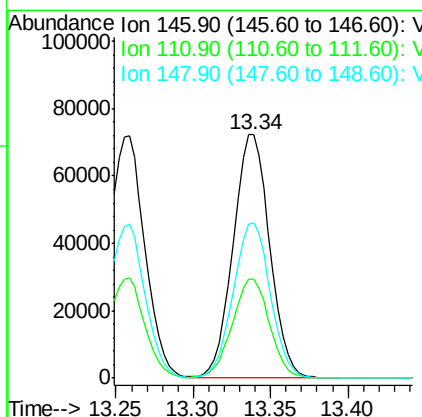
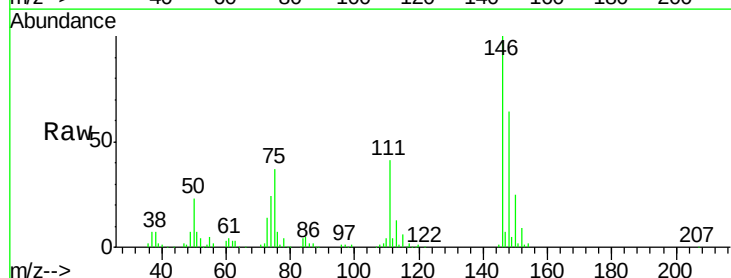
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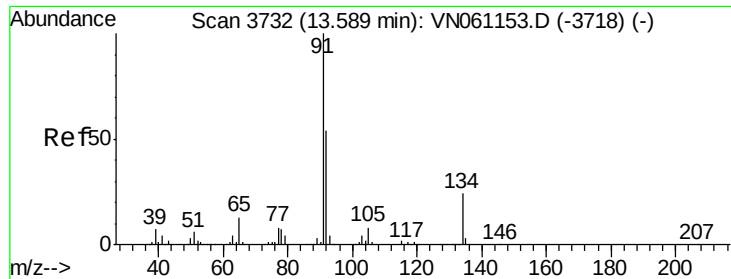
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#88
 1,4-Dichlorobenzene
 Concen: 52.048 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118642		
111	41.5	20.4	61.3	
148	64.8	31.9	95.7	





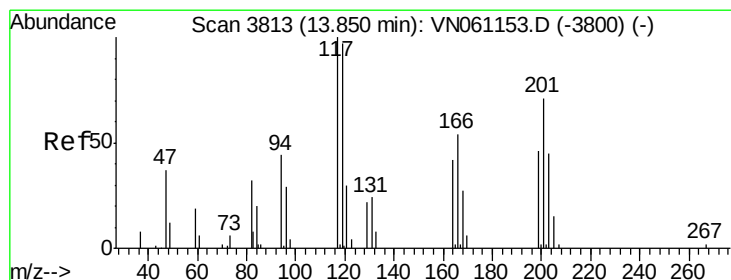
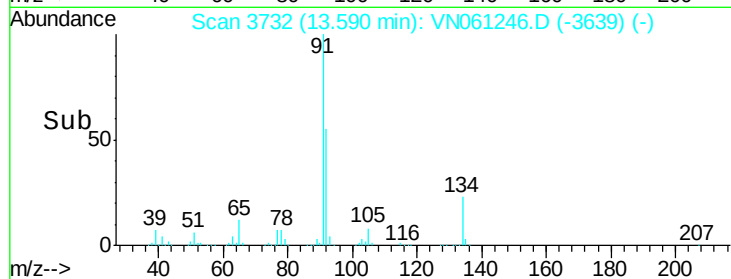
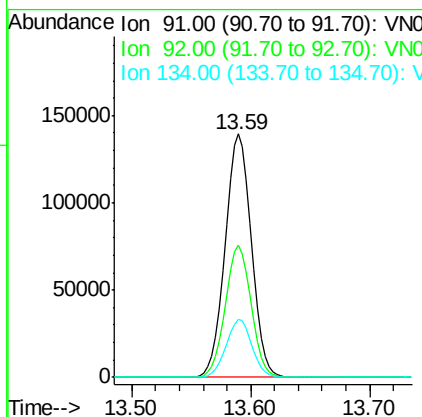
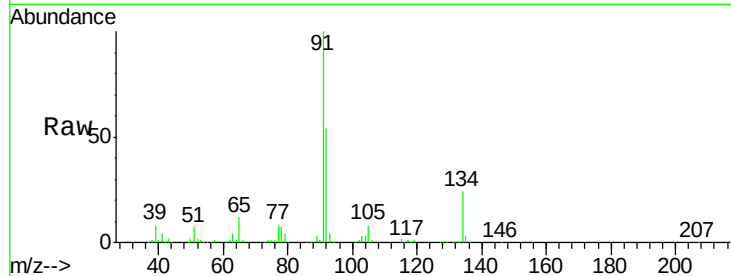
#89
n-Butylbenzene
Concen: 51.530 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	212602		
92	53.5	26.8	80.3	
134	23.4	11.9	35.5	

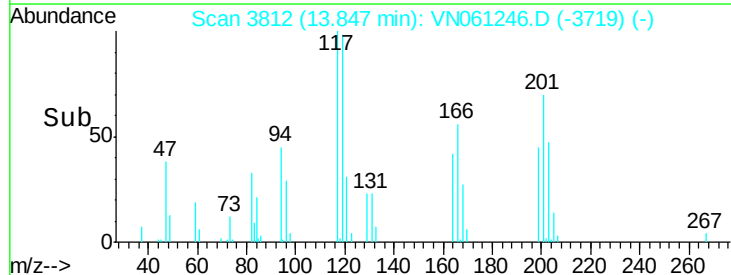
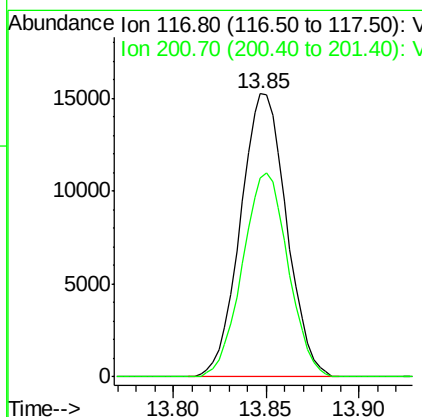
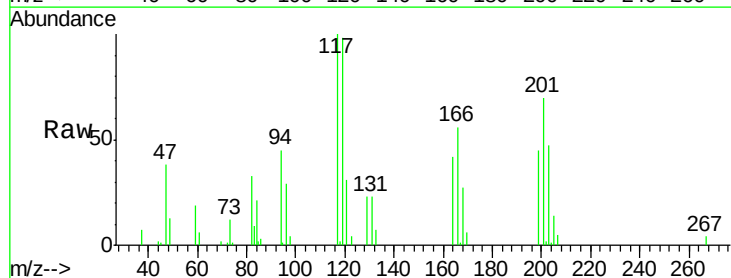
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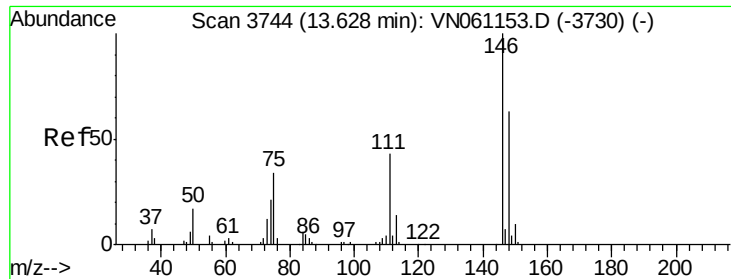
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5/4/2020 2:58:07 PM



#90
Hexachloroethane
Concen: 55.291 ug/l
RT: 13.85 min Scan# 3812
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26402		
201	71.3	35.5	106.7	





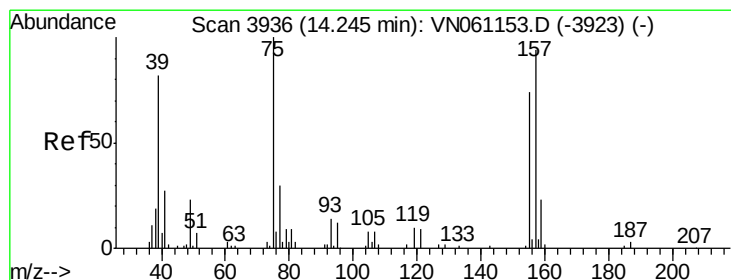
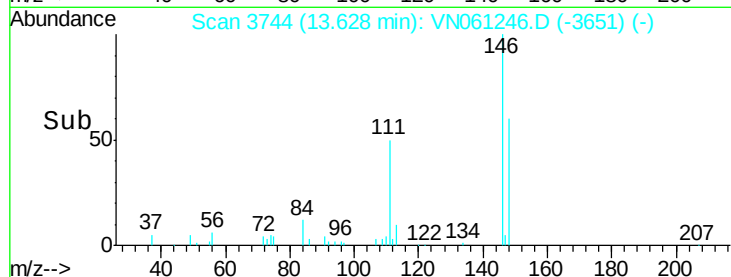
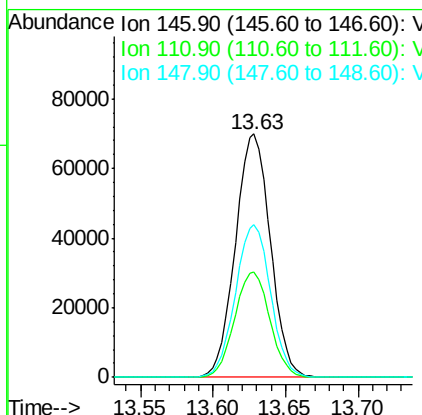
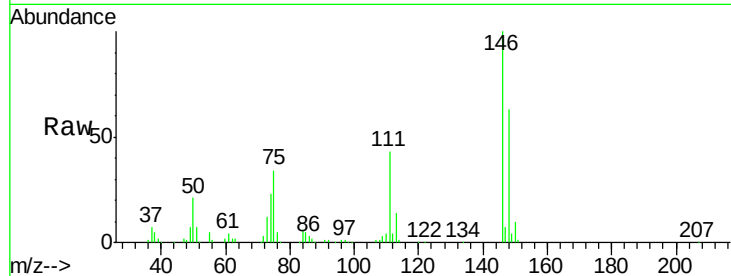
#91
 1,2-Dichlorobenzene
 Concen: 54.865 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	62.9	31.6	95.0

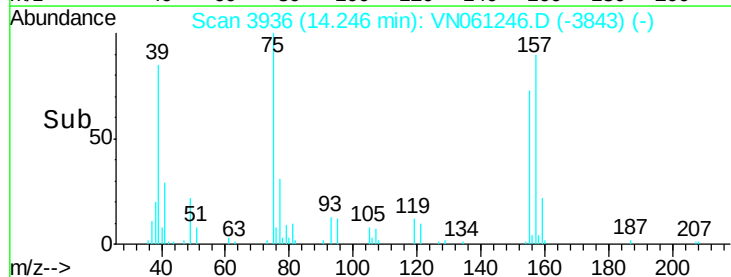
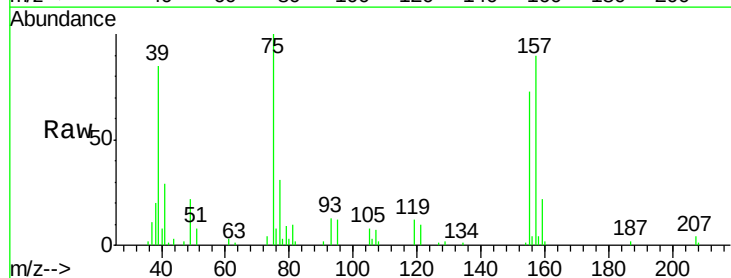
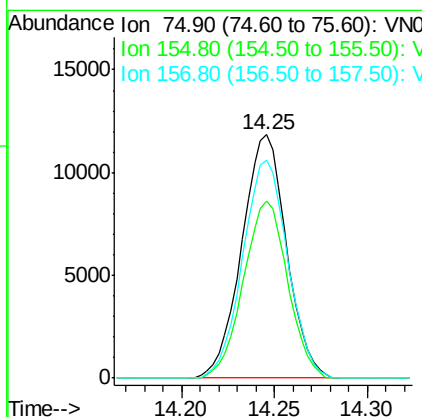
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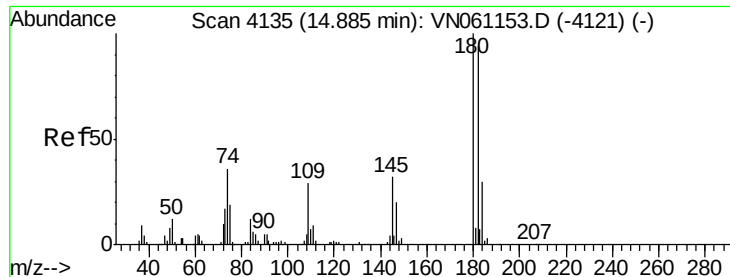
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 5/4/2020 2:58:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.656 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	36.5	109.7
157	89.9	46.6	139.7





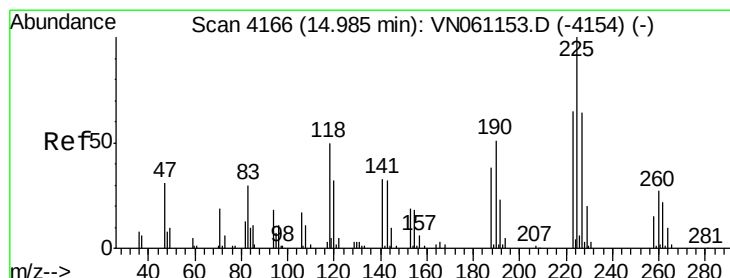
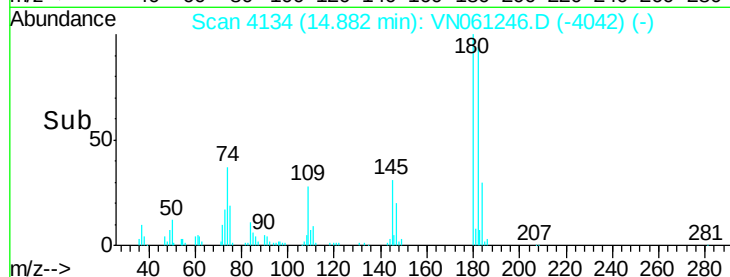
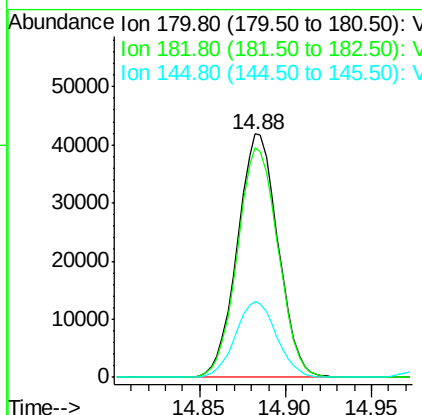
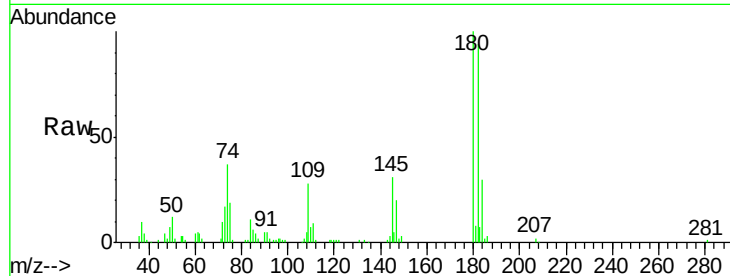
#93
 1,2,4-Trichlorobenzene
 Concen: 52.674 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68614		
182	94.6	47.3	141.9	
145	31.5	16.0	47.9	

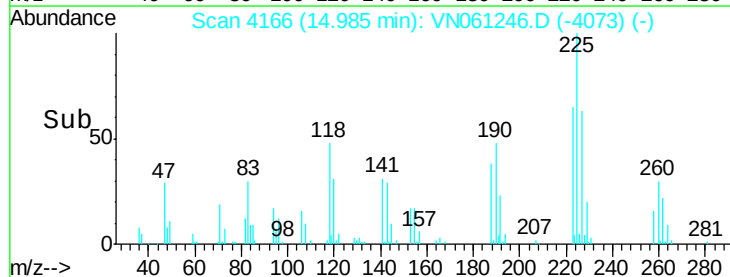
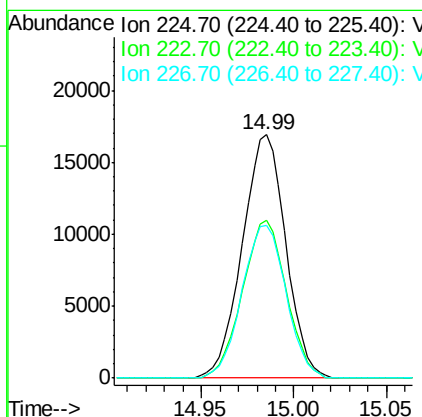
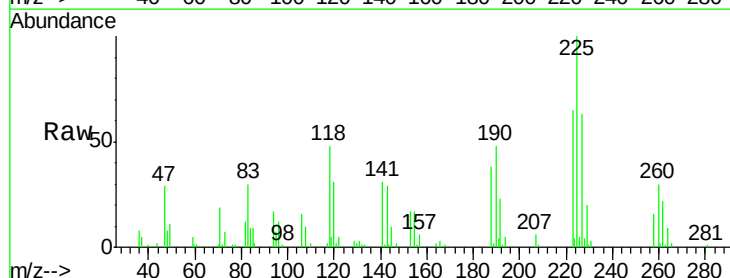
Manual Integrations
 APPROVED

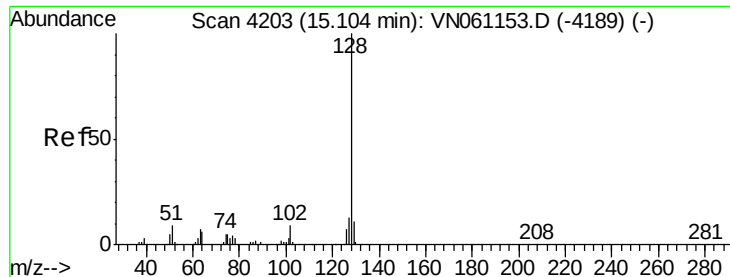
MMDadoda
 5/4/2020 2:58:07 PM



#94
 Hexachlorobutadiene
 Concen: 50.893 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061246.D
 Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27696		
223	65.2	32.4	97.0	
227	63.5	32.4	97.0	





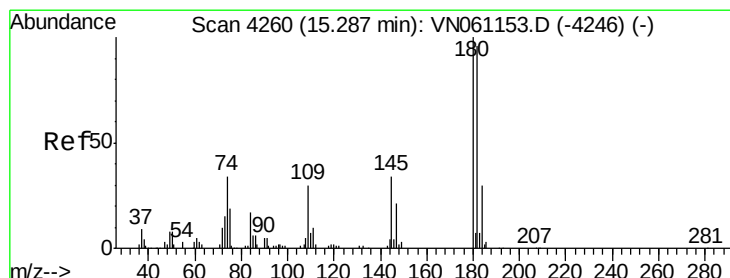
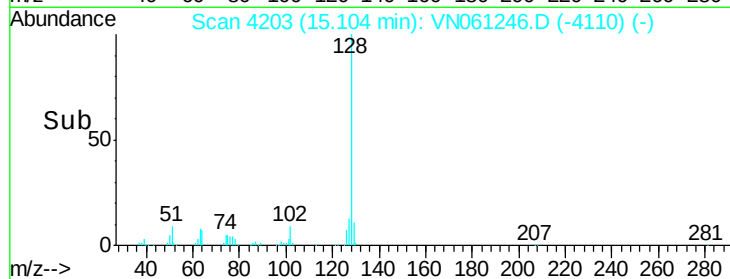
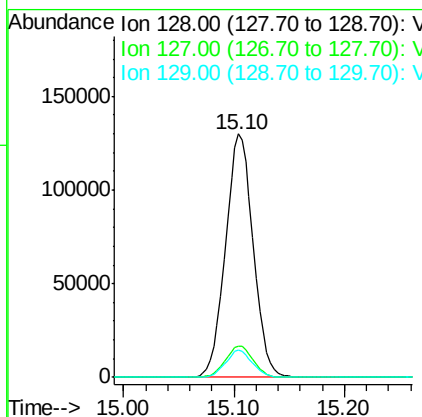
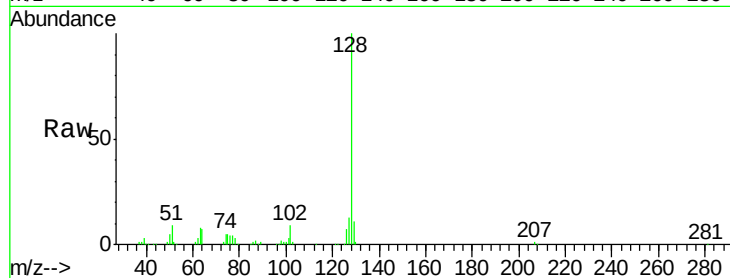
#95
Naphthalene
Concen: 53.111 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	225311		
127	12.9		10.4	15.6
129	10.7		8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.530 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061246.D
Acq: 2 May 2020 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68844		
182	94.4		47.5	142.5
145	33.8		16.9	50.7

