

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061244.D
 Acq On : 1 May 2020 20:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:05 PM

Quant Time: May 04 04:57:57 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	7.63	168	113536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	195524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87775	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	89730	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.55	113	57444	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.06	98	250165	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.38	95	92584	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61766	51.302	ug/l	99
3) Chloromethane	2.03	50	87645	60.107	ug/l	98
4) Vinyl Chloride	2.16	62	89321	53.932	ug/l	99
5) Bromomethane	2.53	94	36066	44.055	ug/l	100
6) Chloroethane	2.67	64	51952	49.491	ug/l	98
7) Trichlorofluoromethane	2.98	101	105961	56.709	ug/l	99
8) Diethyl Ether	3.37	74	47378	60.790	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	63553	52.796	ug/l	99
10) Methyl Iodide	3.91	142	76376	49.370	ug/l	98
11) Tert butyl alcohol	4.73	59	62777	260.860	ug/l	100
12) 1,1-Dichloroethene	3.70	96	63661	53.144	ug/l	98
13) Acrolein	3.56	56	43140	268.999	ug/l	97
14) Allyl chloride	4.27	41	139576	62.841	ug/l	93
15) Acrylonitrile	4.93	53	212894	288.184	ug/l	99
16) Acetone	3.77	43	182282	262.635	ug/l	97
17) Carbon Disulfide	4.01	76	162730	49.178	ug/l	99
18) Methyl Acetate	4.27	43	114216	50.361	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	238298	52.061	ug/l	99
20) Methylene Chloride	4.50	84	75073	53.592	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	68945	52.856	ug/l	97
22) Diisopropyl ether	5.90	45	290959	56.490	ug/l	98
23) Vinyl Acetate	5.84	43	1165825	281.115	ug/l	99
24) 1,1-Dichloroethane	5.80	63	144007	53.513	ug/l	99
25) 2-Butanone	6.78	43	288482	271.375	ug/l	99
26) 2,2-Dichloropropane	6.78	77	105194	46.409	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	80144	52.357	ug/l	99
28) Bromochloromethane	7.15	49	72082	56.512	ug/l	94
29) Tetrahydrofuran	7.17	42	198518	277.226	ug/l	97
30) Chloroform	7.33	83	137116	50.279	ug/l	99
31) Cyclohexane	7.61	56	128968	49.348	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	116817	49.191	ug/l	100
36) 1,1-Dichloropropene	7.75	75	102988	52.618	ug/l	99
37) Ethyl Acetate	6.88	43	124606	54.304	ug/l	99
38) Carbon Tetrachloride	7.73	117	88058	49.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	113915	51.897	ug/l	97
40) Benzene	8.00	78	307815	52.787	ug/l	99
41) Methacrylonitrile	7.12	41	58821	61.741	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	113099	51.197	ug/l	99
43) Isopropyl Acetate	8.13	43	203328	53.393	ug/l	100
44) Trichloroethene	8.80	130	75613	47.967	ug/l	100
45) 1,2-Dichloropropane	9.09	63	85211	54.697	ug/l	99
46) Dibromomethane	9.18	93	50942	52.812	ug/l	98
47) Bromodichloromethane	9.37	83	108197	52.259	ug/l	98
48) Methyl methacrylate	9.17	41	95026	55.298	ug/l	97
49) 1,4-Dioxane	9.17	88	20140	1032.489	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	625066	278.857	ug/l	99
52) Toluene	10.12	92	186477	53.092	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	120228	51.536	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	128944	52.282	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	73524	52.481	ug/l	99
56) Ethyl methacrylate	10.40	69	120507	49.397	ug/l	97
57) 1,3-Dichloropropane	10.68	76	133306	54.133	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	314347	277.200	ug/l	98
59) 2-Hexanone	10.72	43	453844	278.303	ug/l	99
60) Dibromochloromethane	10.87	129	77213	52.623	ug/l	98
61) 1,2-Dibromoethane	10.98	107	73055	52.027	ug/l	99
64) Tetrachloroethene	10.60	164	74141	46.615	ug/l	98
65) Chlorobenzene	11.41	112	187909	51.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	68218	52.324	ug/l	99
67) Ethyl Benzene	11.48	91	359822	52.767	ug/l	100
68) m/p-Xylenes	11.60	106	262470	105.156	ug/l	99
69) o-Xylene	11.92	106	123622	51.561	ug/l	97
70) Styrene	11.94	104	214139	53.364	ug/l	99
71) Bromoform	12.10	173	51964	54.231	ug/l #	100
73) Isopropylbenzene	12.22	105	340378	52.749	ug/l	100
74) N-amyl acetate	12.05	43	178957	54.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	108528	53.939	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	97776m	52.837	ug/l	
77) Bromobenzene	12.50	156	77124	51.776	ug/l	96
78) n-propylbenzene	12.57	91	411209	53.727	ug/l	99
79) 2-Chlorotoluene	12.65	91	238247	52.960	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	287976	53.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	37917	52.033	ug/l	100
82) 4-Chlorotoluene	12.75	91	250046	52.737	ug/l	99
83) tert-Butylbenzene	12.97	119	239936	53.280	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	287545	52.258	ug/l	99
85) sec-Butylbenzene	13.15	105	331375	53.972	ug/l	99
86) p-Isopropyltoluene	13.26	119	296573	53.613	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	144120	52.556	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	143795	51.322	ug/l	99
89) n-Butylbenzene	13.59	91	273383	53.909	ug/l	99
90) Hexachloroethane	13.85	117	34093	57.701	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	138810	52.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	22105	52.018	ug/l	99

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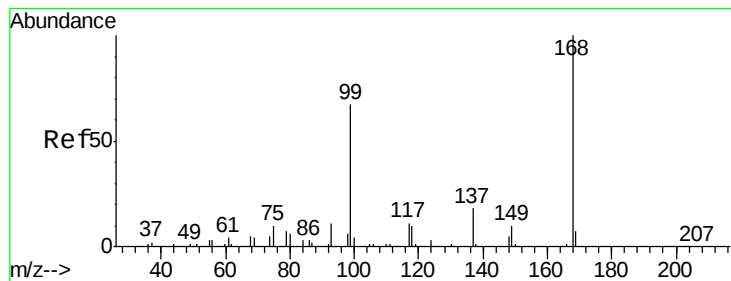
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	83940	52.426	ug/l	99
94) Hexachlorobutadiene	14.99	225	37045	55.382	ug/l	99
95) Naphthalene	15.10	128	265989	51.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	83095	52.565	ug/l	99

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



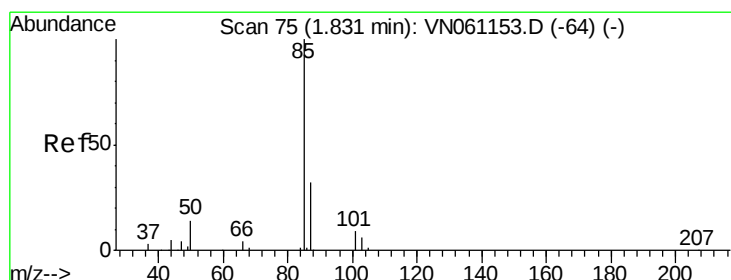
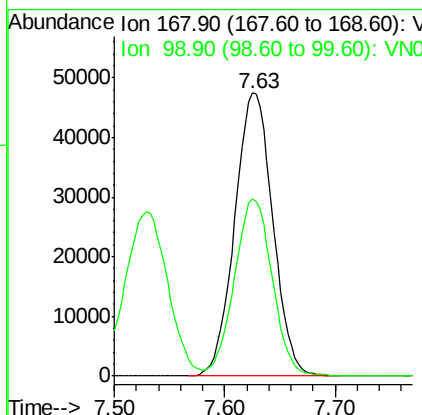
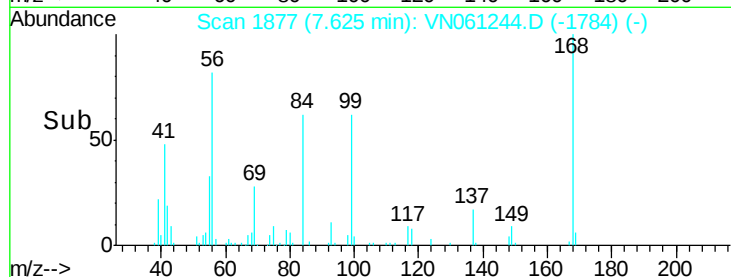
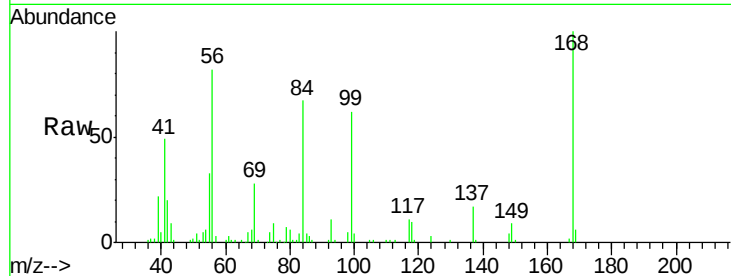
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
168	100	113536		
99	62.4	51.2	76.8	

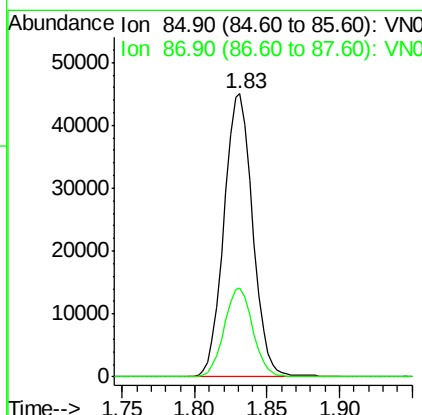
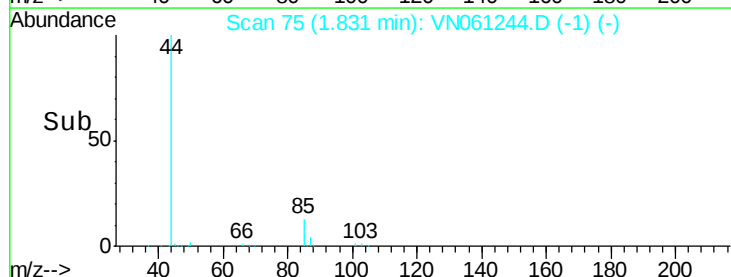
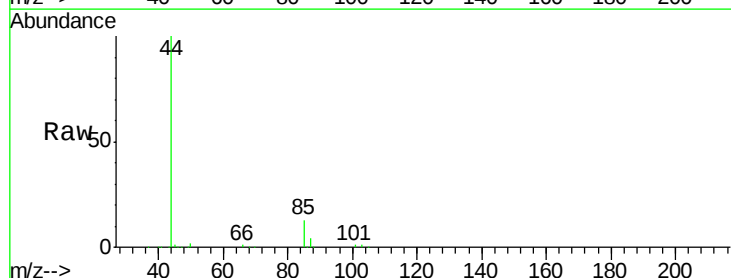
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#2
 Dichlorodifluoromethane
 Concen: 51.302 ug/l
 RT: 1.83 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	61766		
87	31.5	16.1	48.2	





#3

Chloromethane

Concen: 60.107 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 87645

Ion Ratio Lower Upper

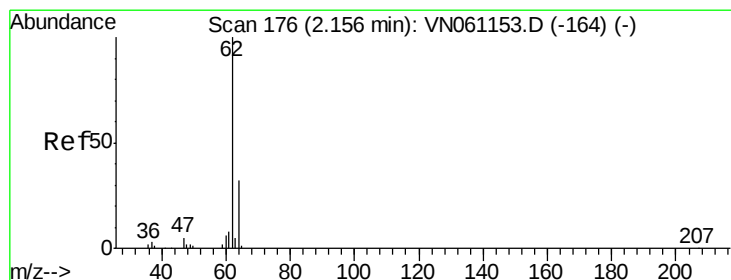
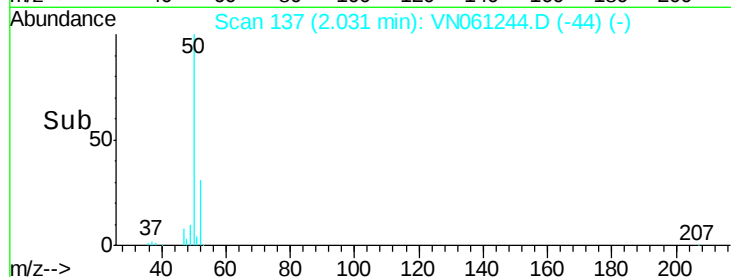
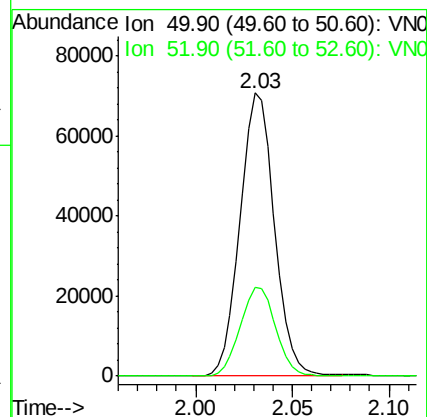
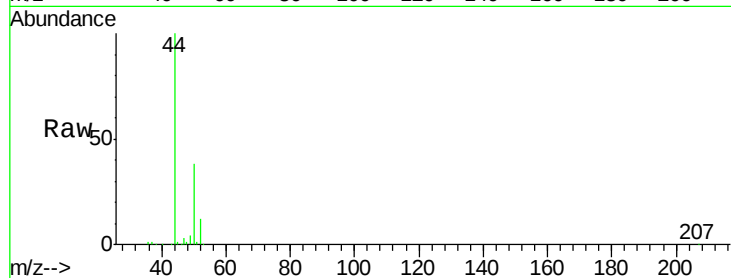
50 100

52 31.2 26.0 39.0

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#4

Vinyl Chloride

Concen: 53.932 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061244.D

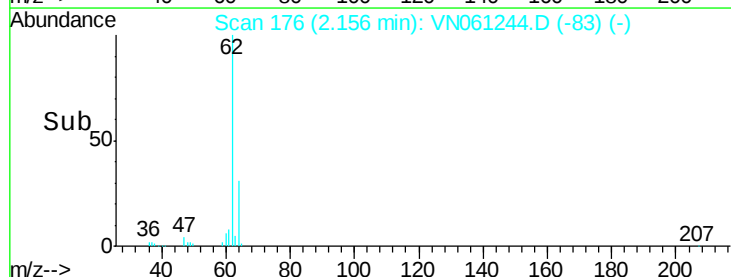
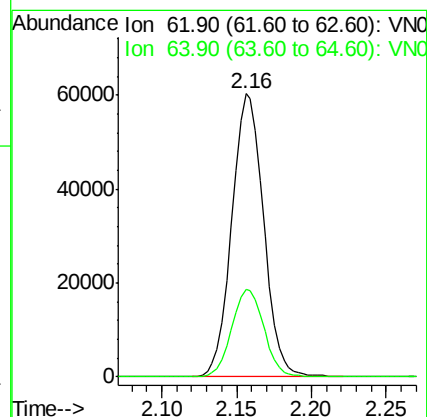
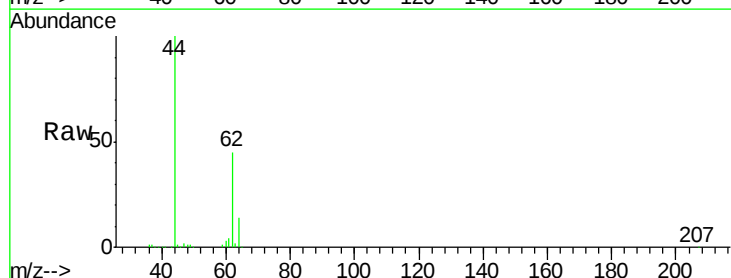
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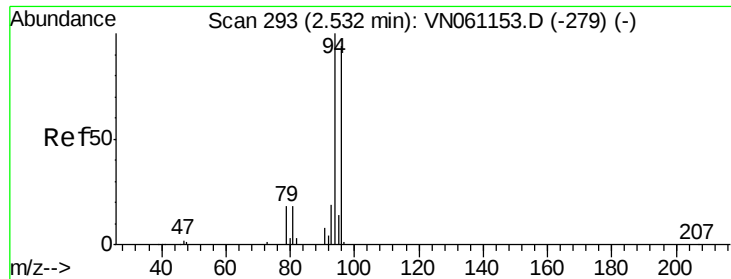
Tgt Ion: 62 Resp: 89321

Ion Ratio Lower Upper

62 100

64 30.8 25.2 37.8





#5

Bromomethane

Concen: 44.055 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 36066

Ion Ratio Lower Upper

94 100

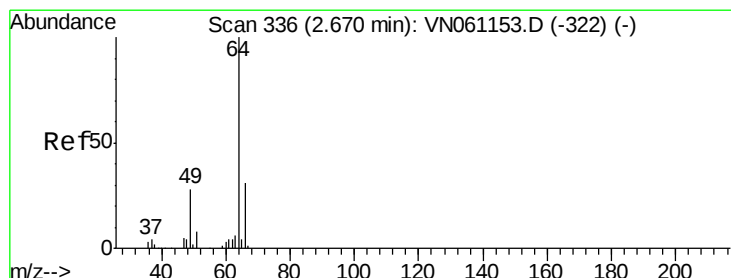
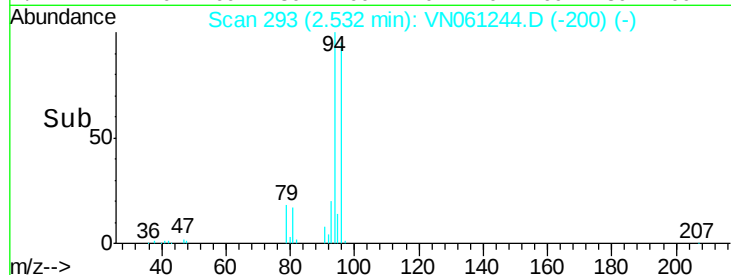
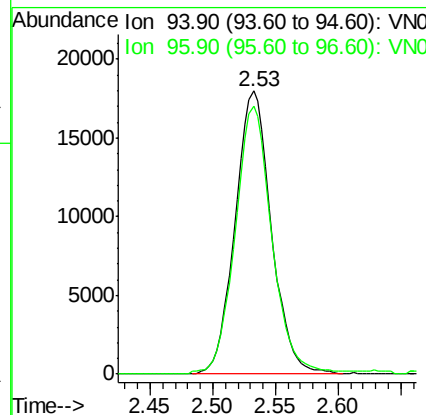
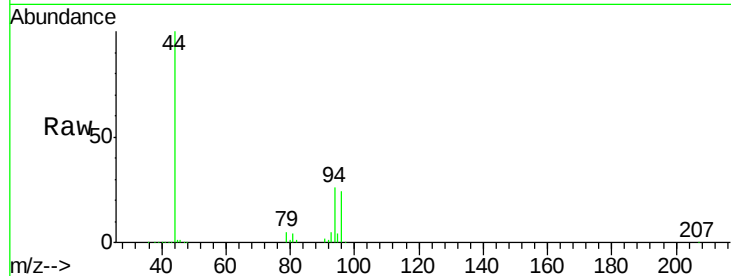
96 93.7 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 49.491 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061244.D

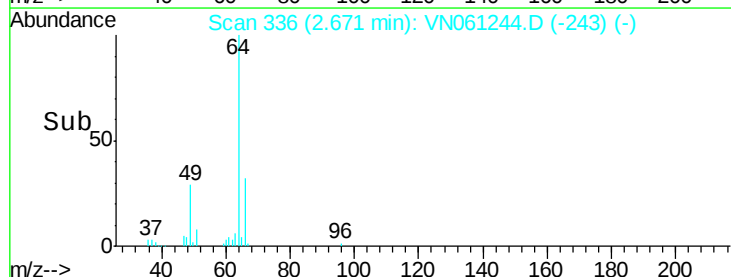
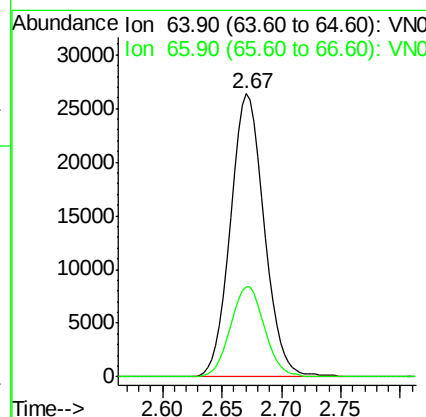
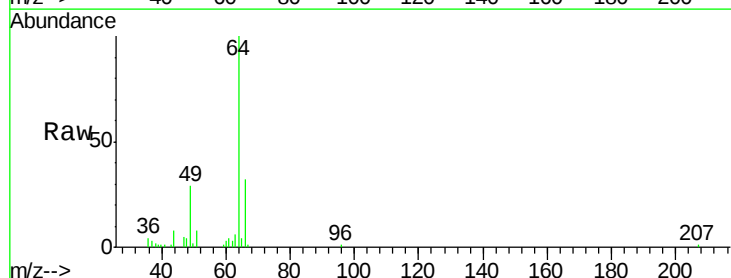
Acq: 1 May 2020 20:32

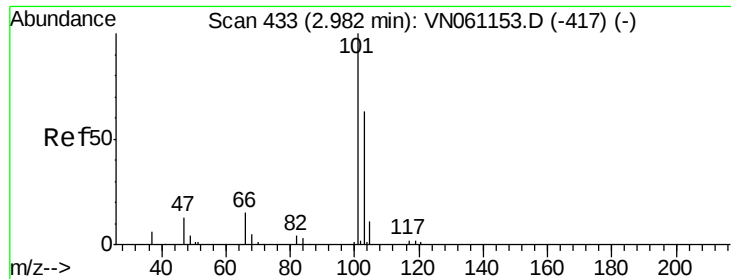
Tgt Ion: 64 Resp: 51952

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8





#7

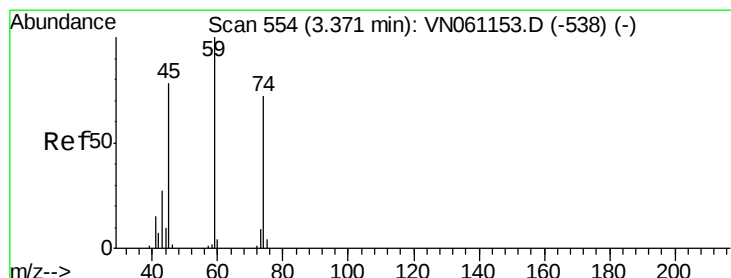
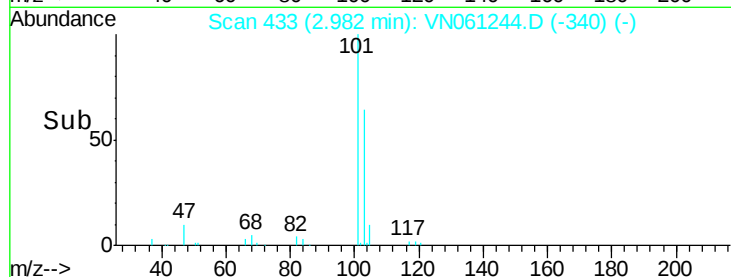
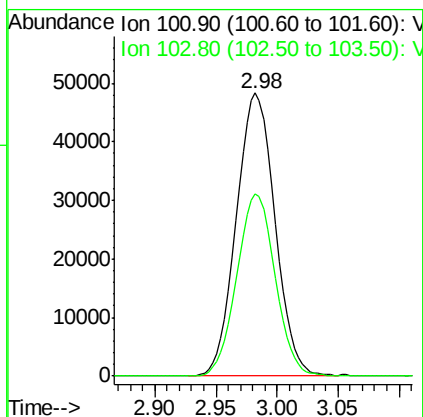
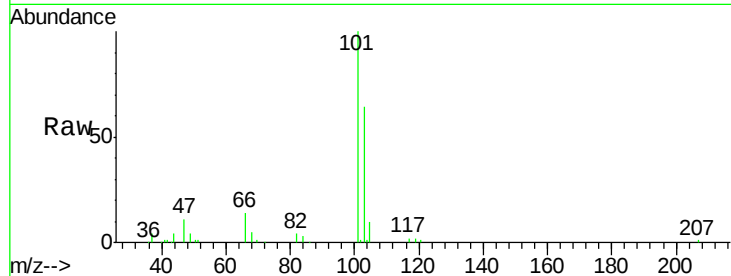
Trichlorofluoromethane
Concen: 56.709 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.6	76.0

Manual Integrations
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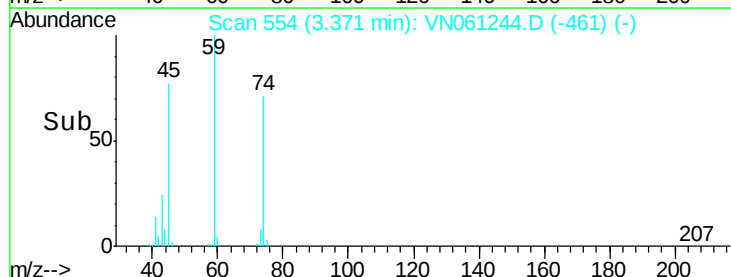
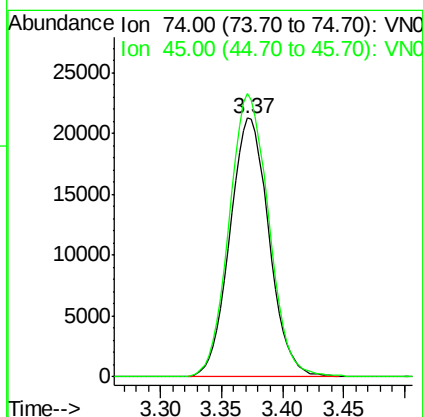
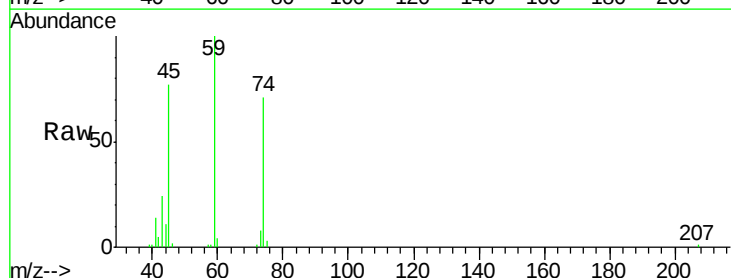
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#8

Diethyl Ether
Concen: 60.790 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.6	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.796 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

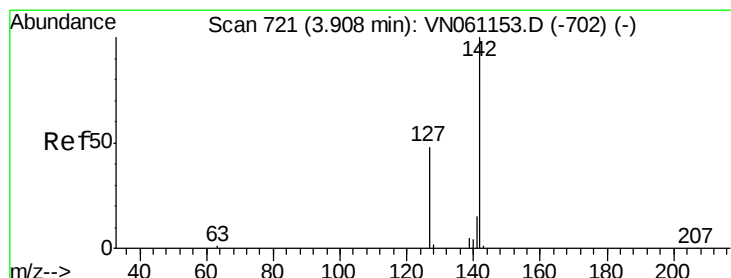
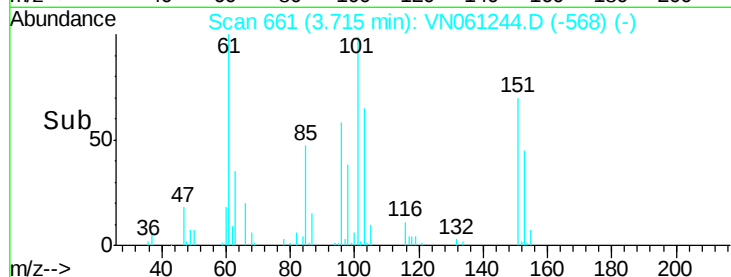
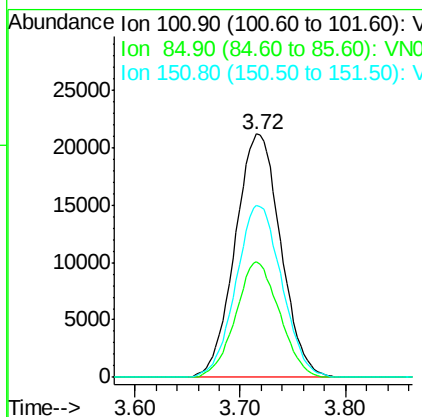
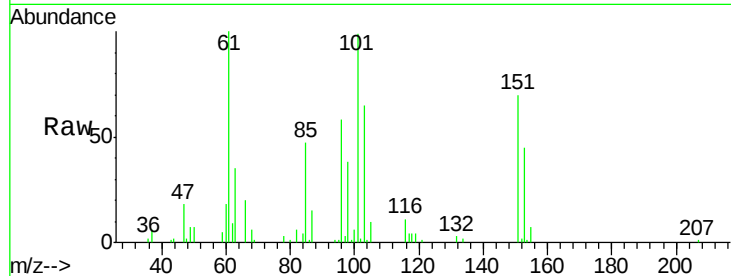
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	63553
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.2	55.8
151	71.3	57.7	86.5

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#10

Methyl Iodide

Concen: 49.370 ug/l

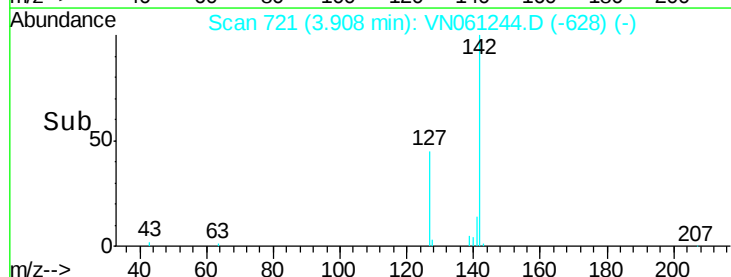
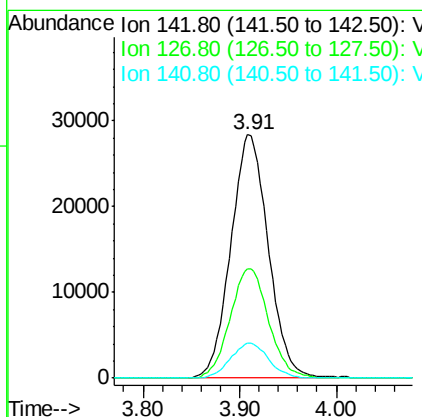
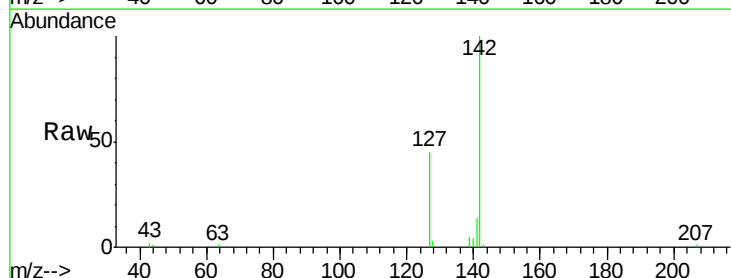
RT: 3.91 min Scan# 721

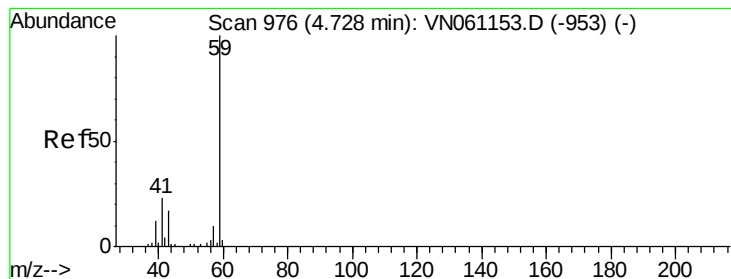
Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Tgt Ion:	142	Resp:	76376
Ion Ratio	Lower	Upper	
142	100		
127	45.9	38.0	57.0
141	14.3	11.7	17.5





#11

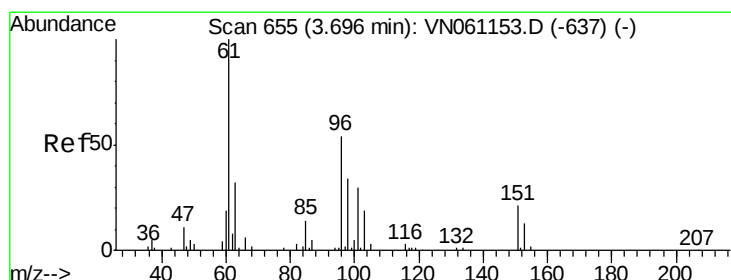
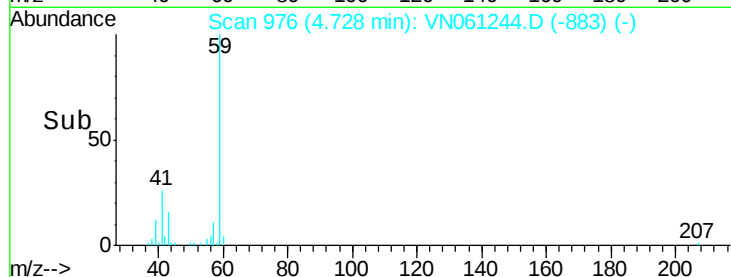
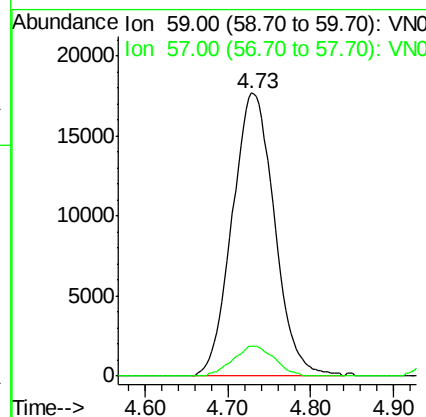
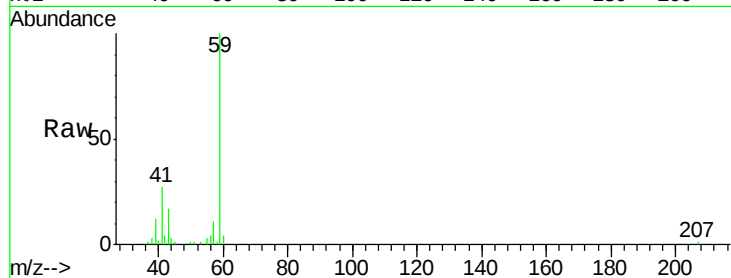
Tert butyl alcohol
Concen: 260.860 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
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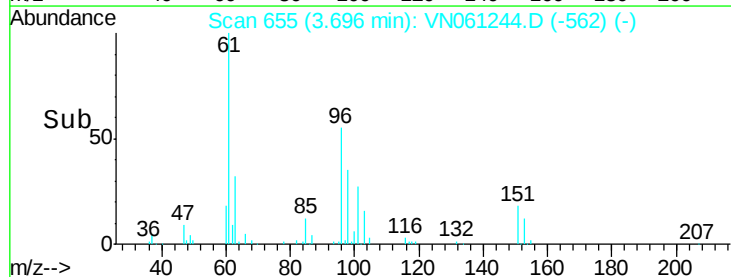
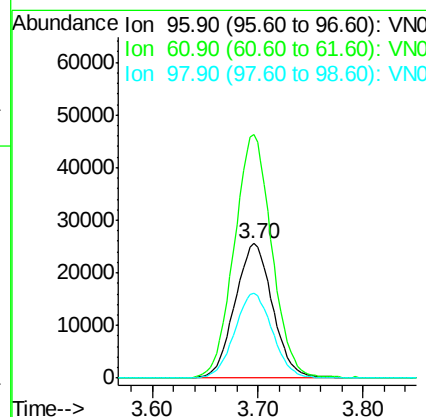
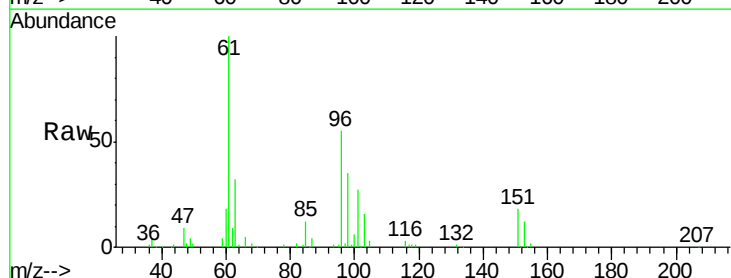
MMDadoda
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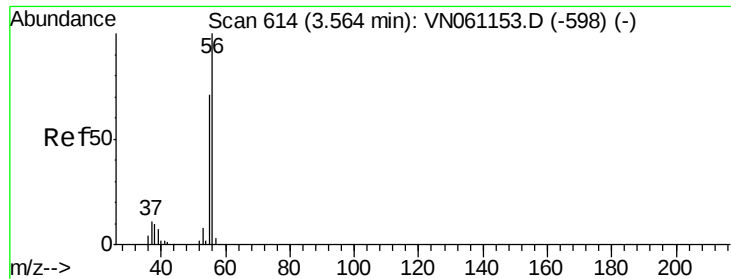


#12

1,1-Dichloroethene
Concen: 53.144 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.4	147.0	220.6
98	63.3	49.8	74.6





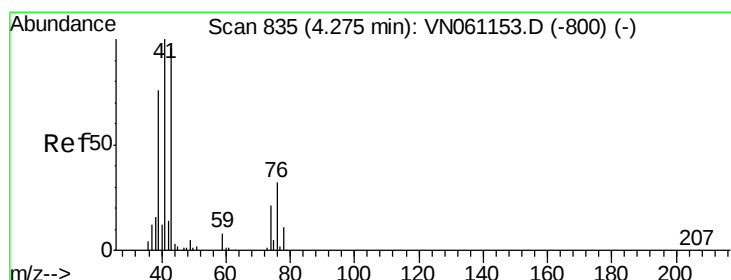
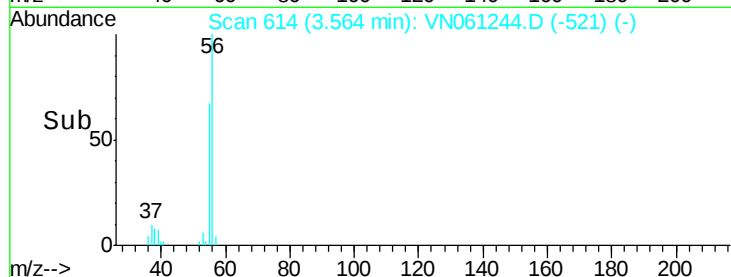
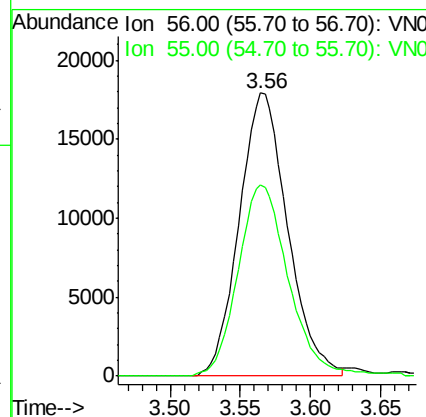
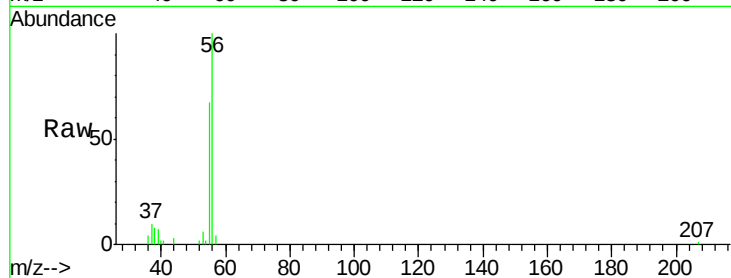
#13
Acrolein
Concen: 268.999 ug/l
RT: 3.56 min Scan# 614
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	43140
Ion Ratio	100	Lower	Upper
56	100		
55	70.2	58.5	87.7

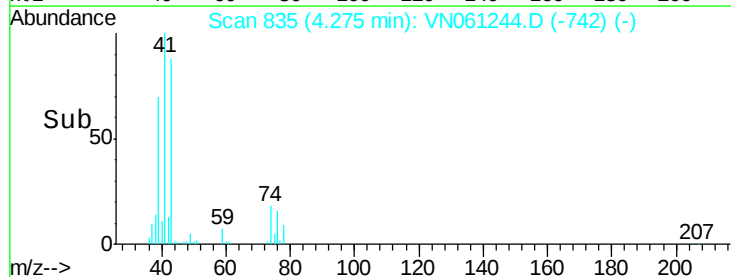
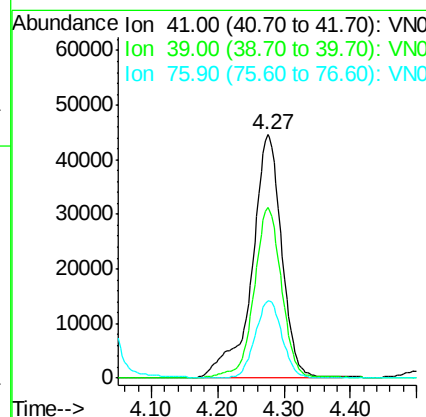
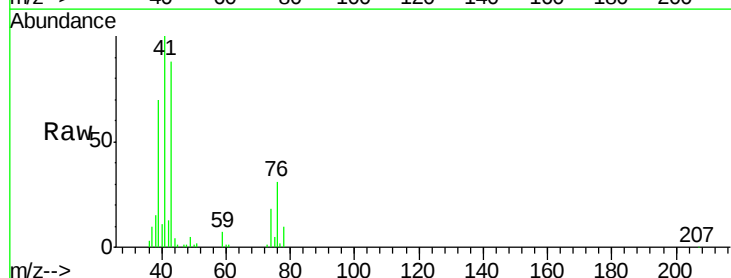
Manual Integrations
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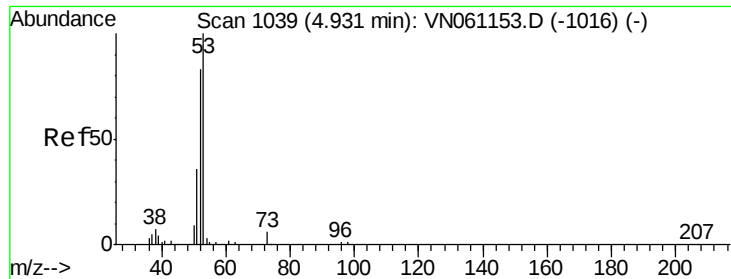
MMDadoda
5/4/2020 2:58:05 PM



#14
Allyl chloride
Concen: 62.841 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	41	Resp	139576
Ion Ratio	100	Lower	Upper
41	100		
39	64.7	57.1	85.7
76	28.6	24.3	36.5





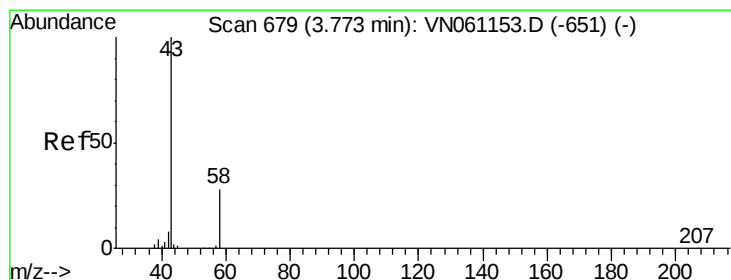
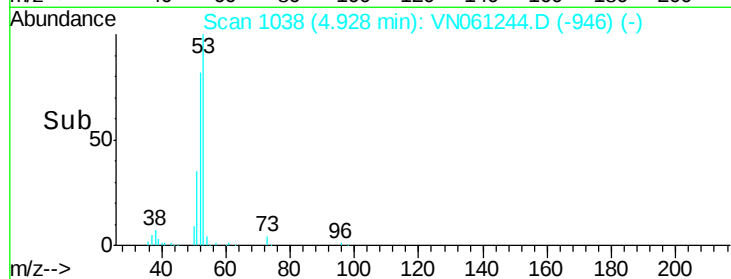
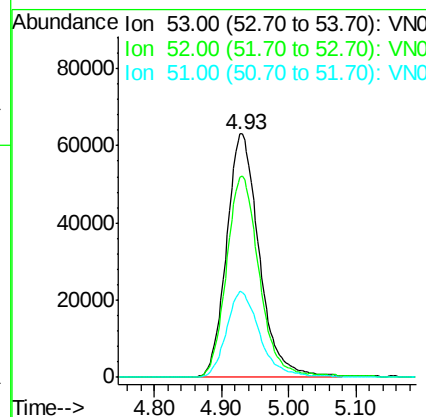
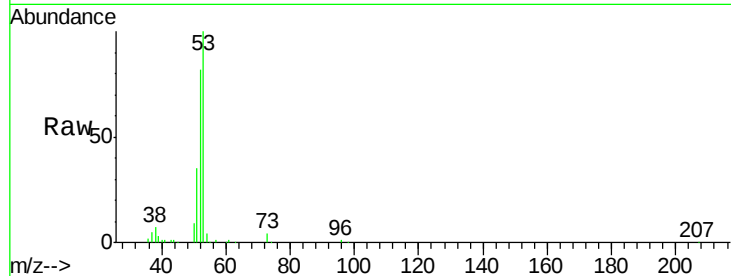
#15
 Acrylonitrile
 Concen: 288.184 ug/l
 RT: 4.93 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	212894
Ion Ratio		Lower	Upper
53	100		
52	82.2	65.4	98.0
51	36.3	29.5	44.3

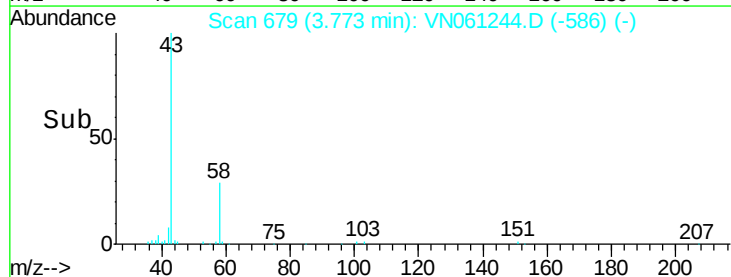
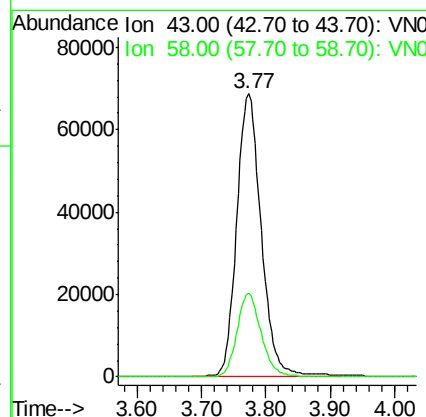
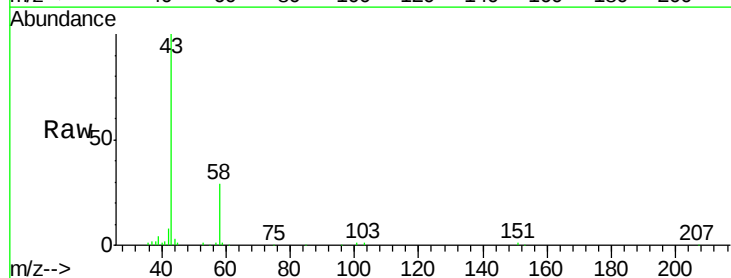
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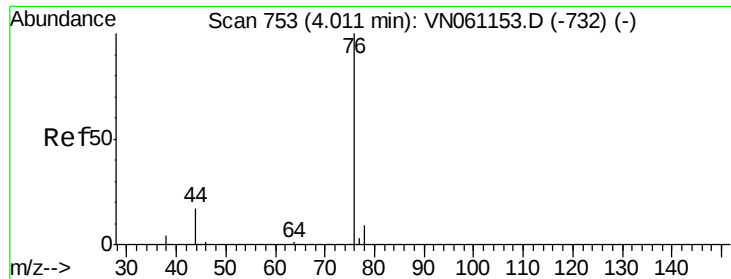
MMDadoda
 5/4/2020 2:58:05 PM



#16
 Acetone
 Concen: 262.635 ug/l
 RT: 3.77 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion:	43	Resp:	182282
Ion Ratio		Lower	Upper
43	100		
58	29.4	22.2	33.2





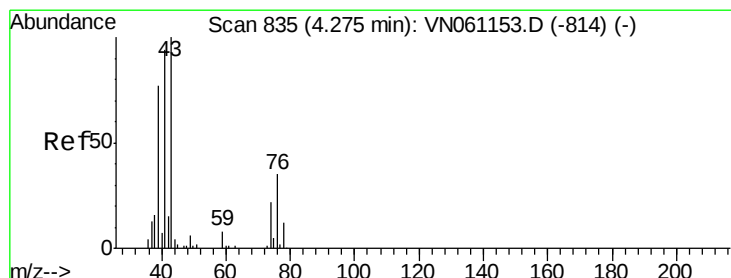
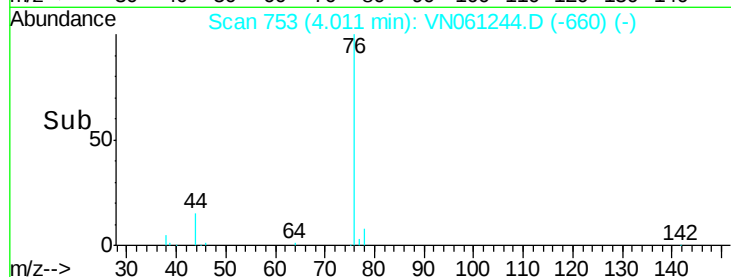
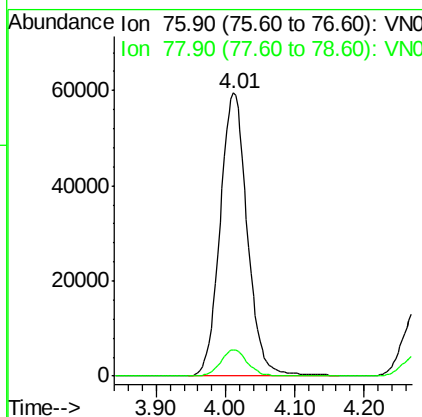
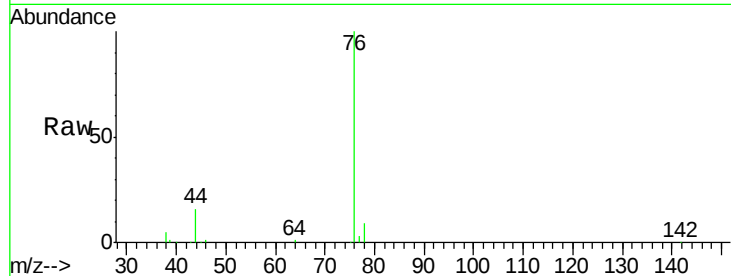
#17
Carbon Disulfide
Concen: 49.178 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 162730
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

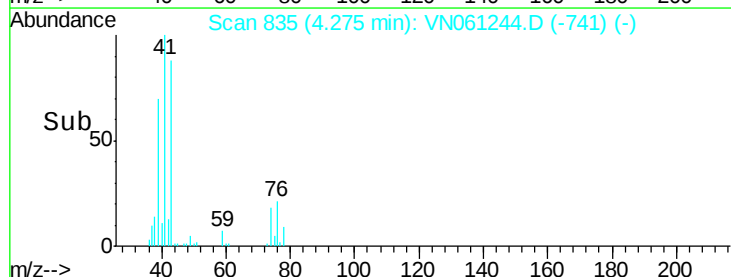
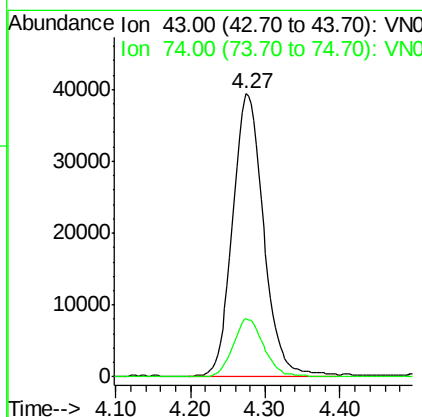
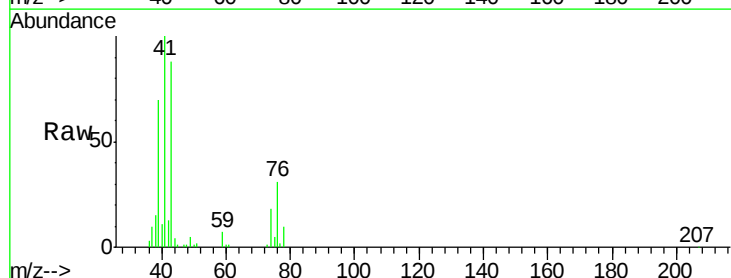
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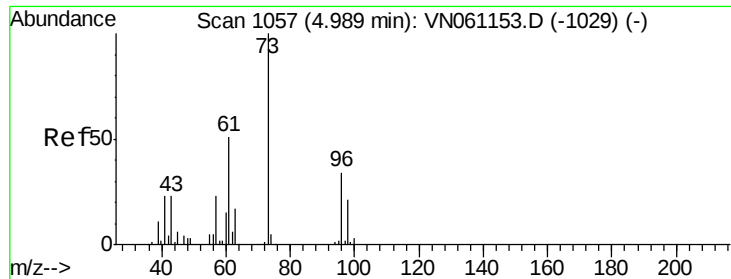
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5/4/2020 2:58:05 PM



#18
Methyl Acetate
Concen: 50.361 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion: 43 Resp: 114216
Ion Ratio Lower Upper
43 100
74 20.3 17.0 25.4





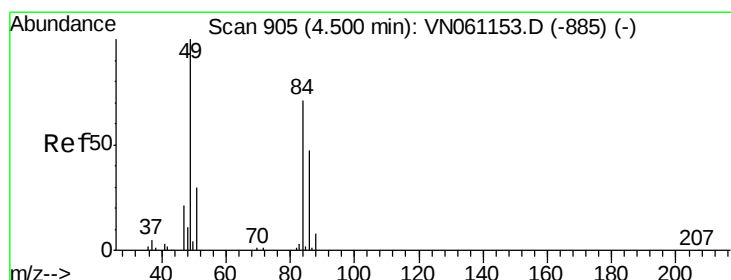
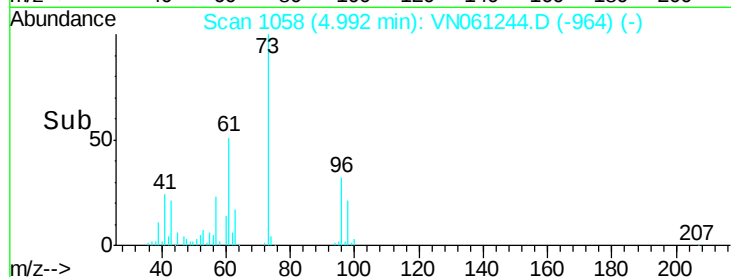
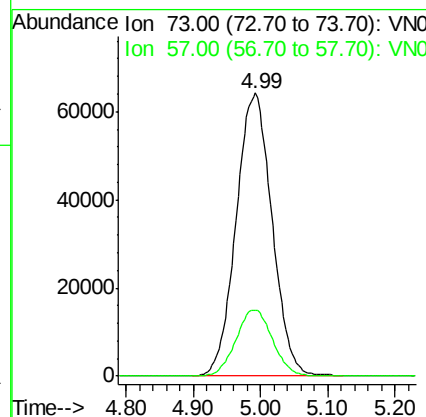
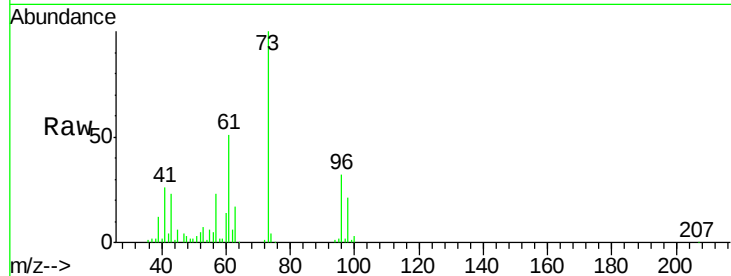
#19
Methvl tert-butvl Ether
Concen: 52.061 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 238298
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5

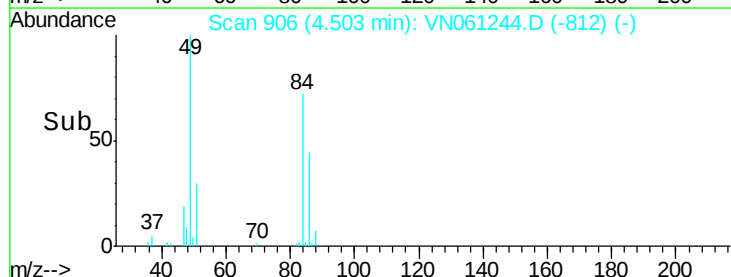
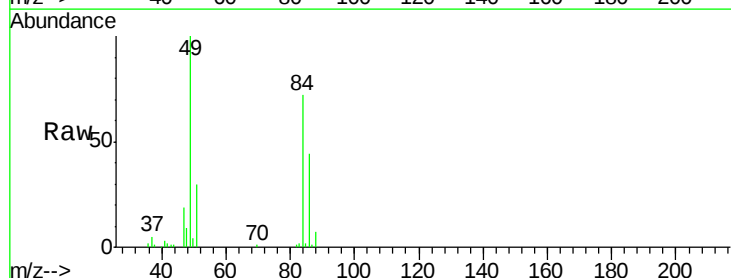
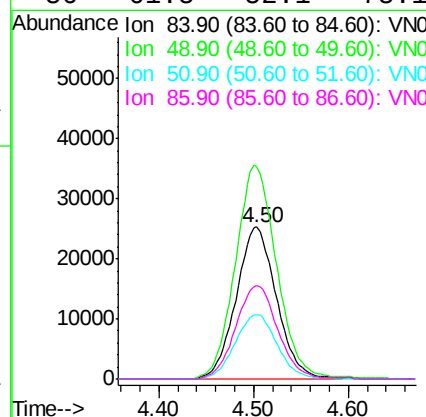
Manual Integrations
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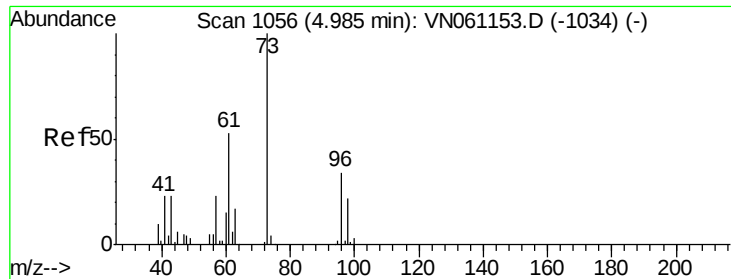
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#20
Methylene Chloride
Concen: 53.592 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion: 84 Resp: 75073
Ion Ratio Lower Upper
84 100
49 139.5 112.0 168.0
51 42.5 33.6 50.4
86 61.5 52.1 78.1





#21

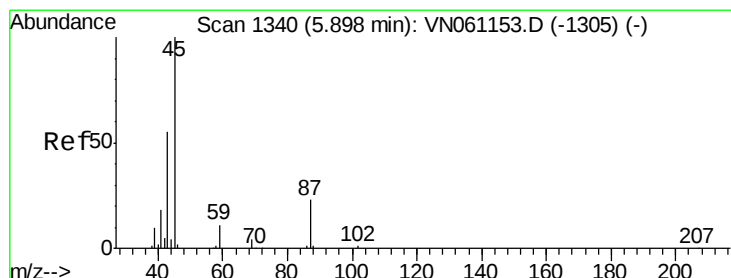
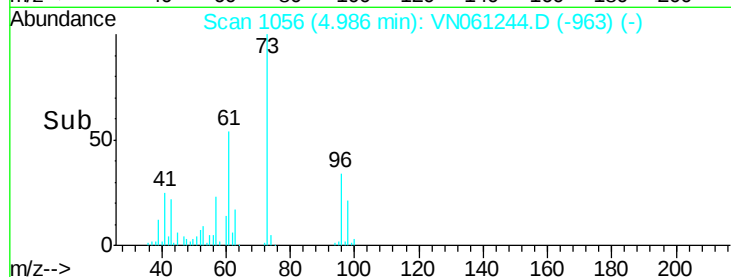
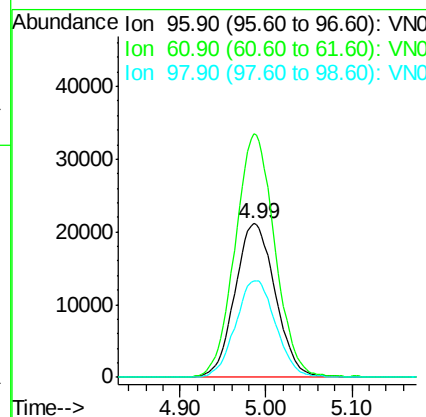
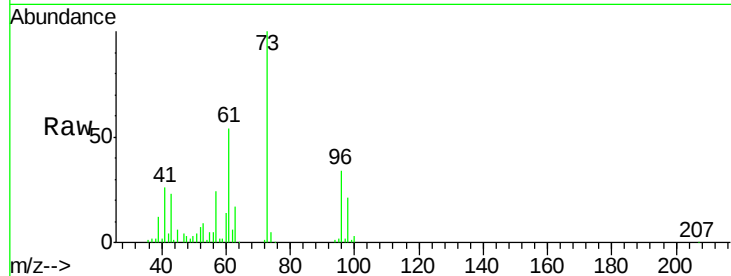
trans-1,2-Dichloroethene
Concen: 52.856 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	123.0	184.4
98	62.8	50.1	75.1

Manual Integrations
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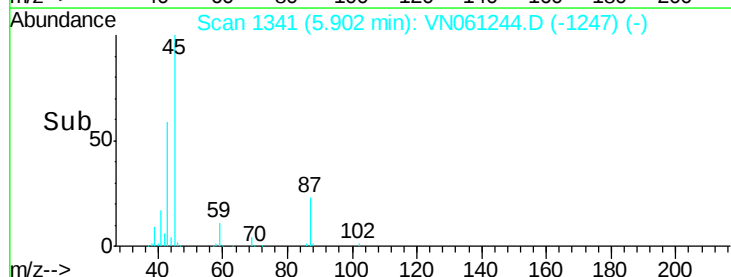
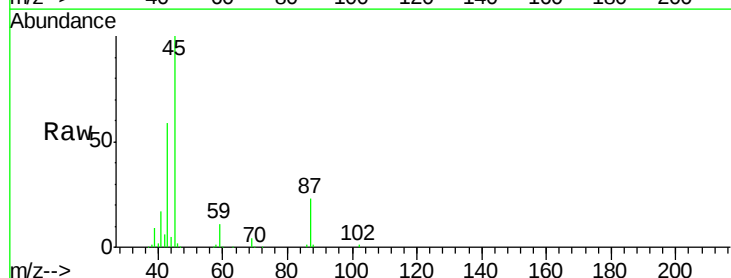
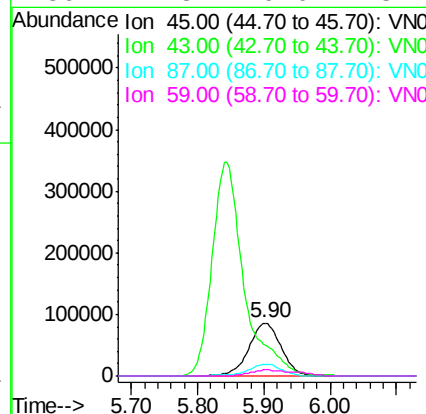
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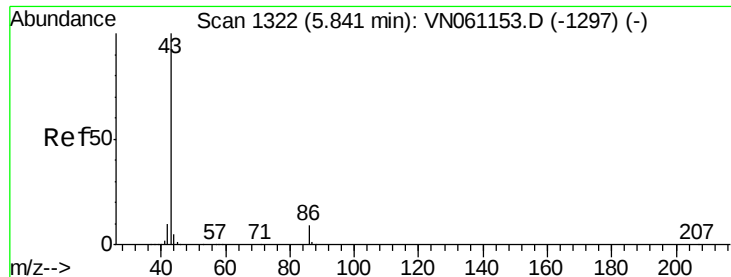


#22

Diisopropyl ether
Concen: 56.490 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	47.9	71.9
87	22.6	19.2	28.8
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 281.115 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1165825

Ion Ratio Lower Upper

43 100

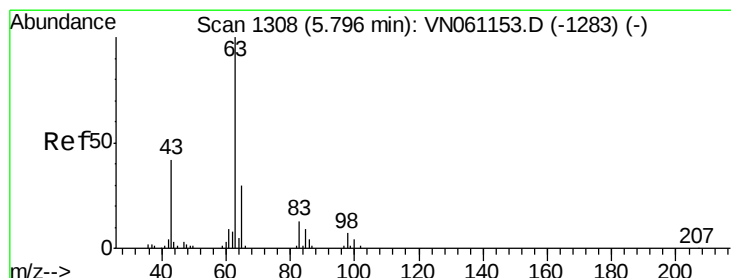
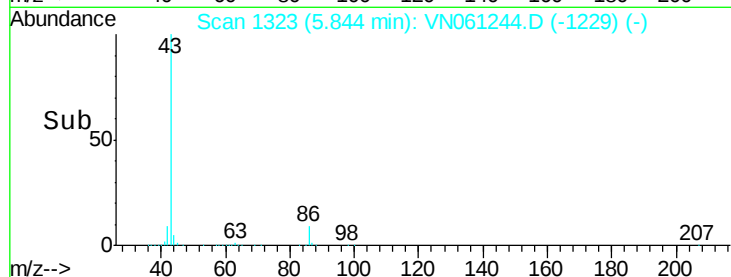
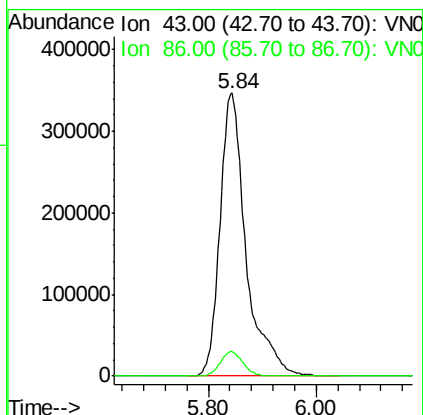
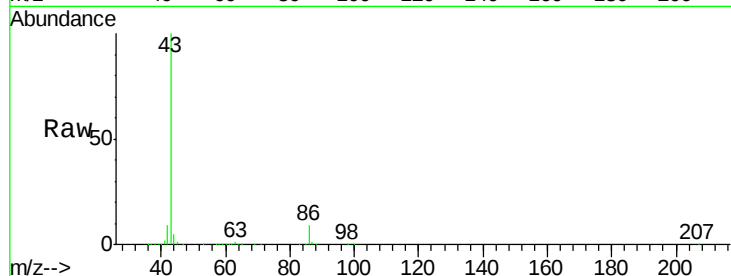
86 8.7 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.513 ug/l

RT: 5.80 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

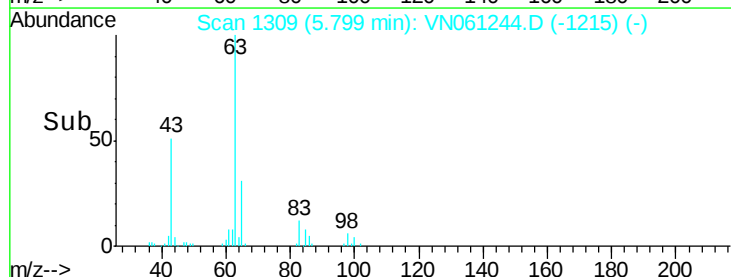
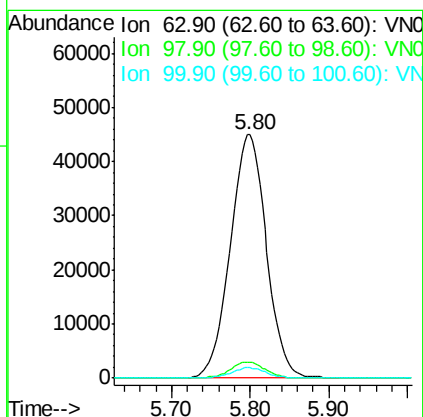
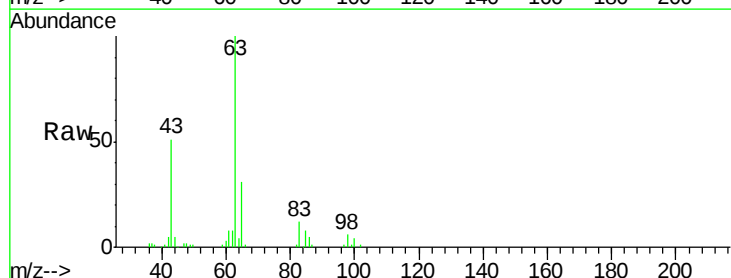
Tgt Ion: 63 Resp: 144007

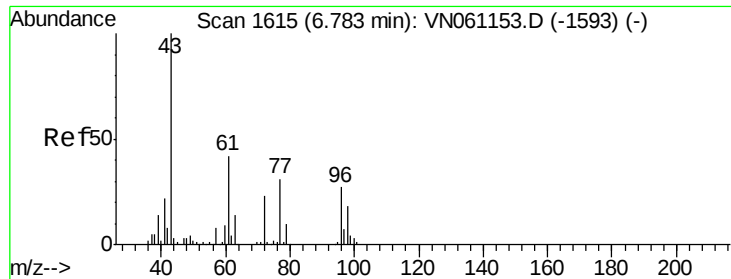
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.1 1.9 5.7





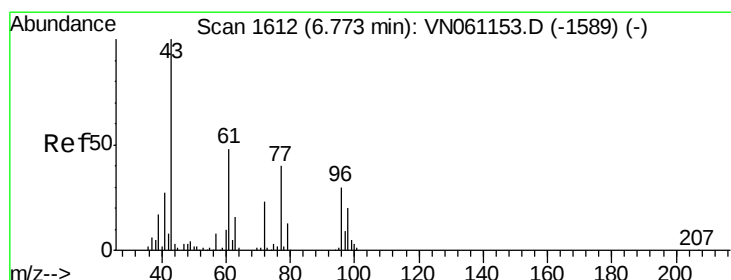
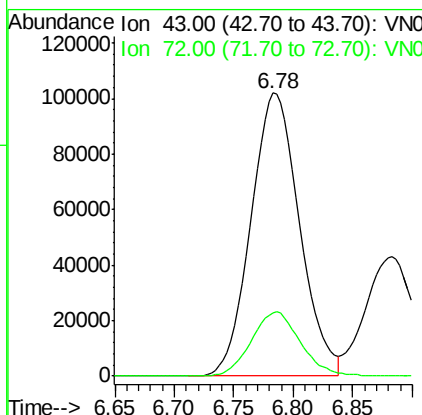
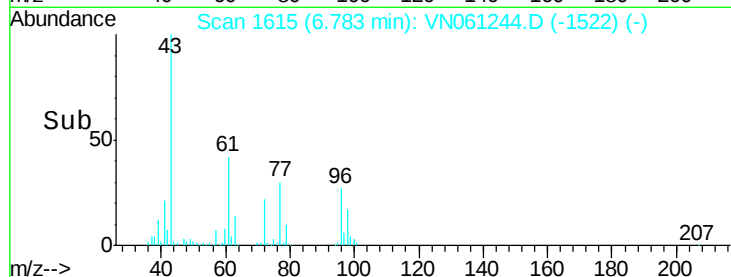
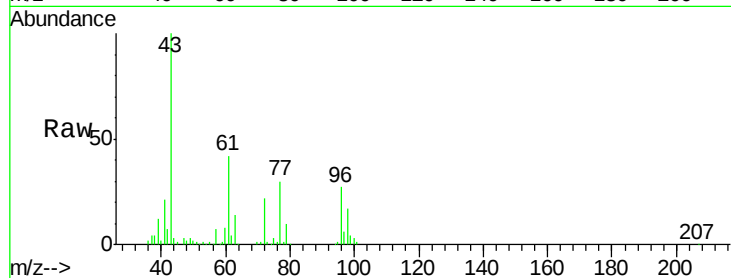
#25
2-Butanone
Concen: 271.375 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 288482
Ion Ratio Lower Upper
43 100
72 22.3 18.2 27.4

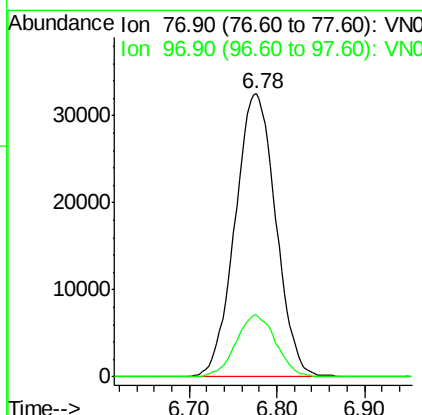
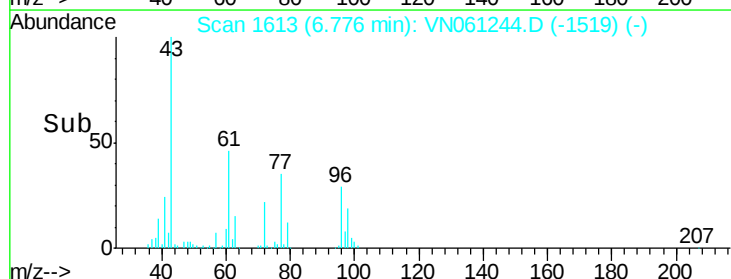
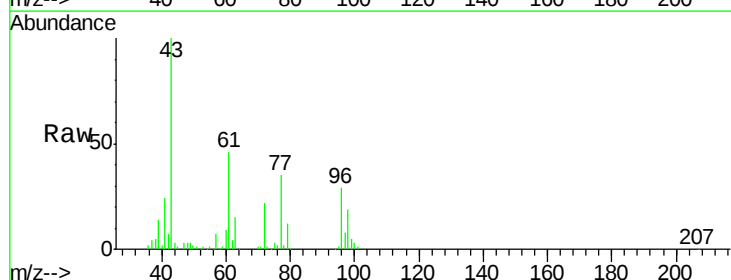
Manual Integrations
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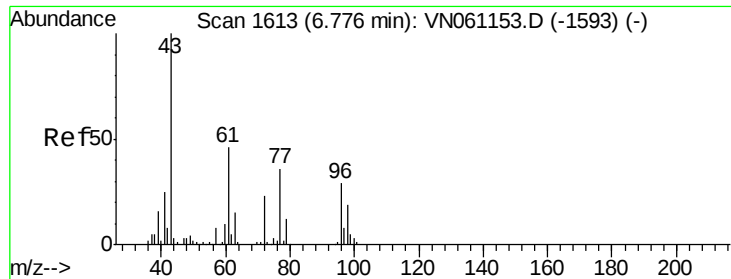
MMDadoda
5/4/2020 2:58:05 PM



#26
2,2-Dichloropropane
Concen: 46.409 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion: 77 Resp: 105194
Ion Ratio Lower Upper
77 100
97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 52.357 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.01 min

Lab File: VN061244.D

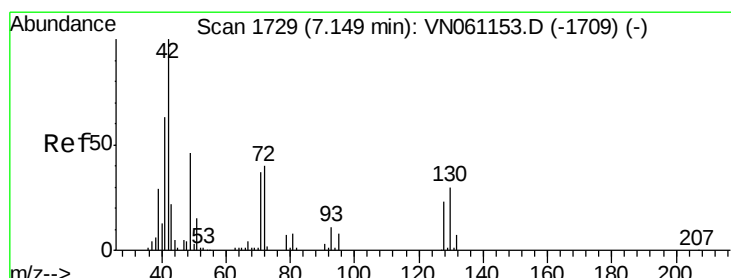
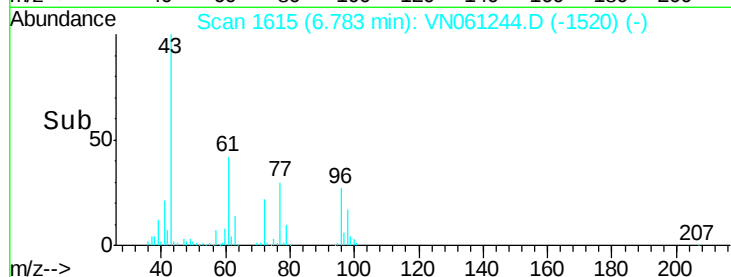
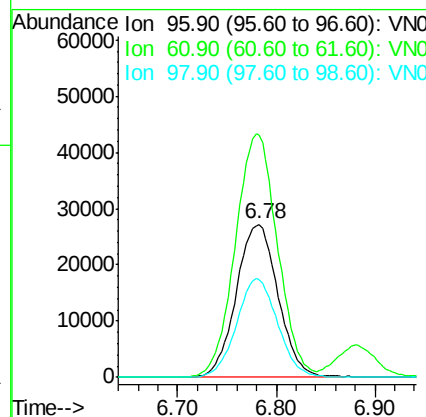
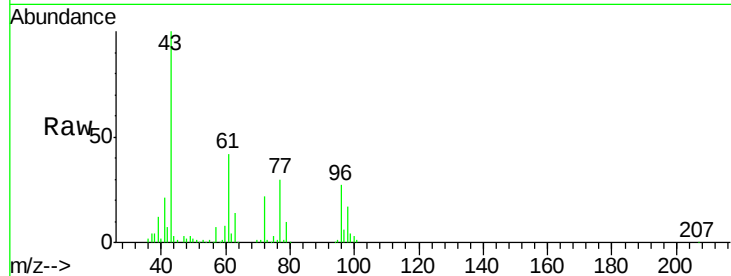
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	322.0
98	63.4	0.0	129.6

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#28

Bromochloromethane

Concen: 56.512 ug/l

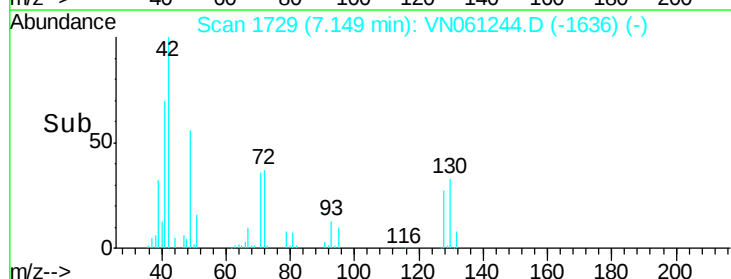
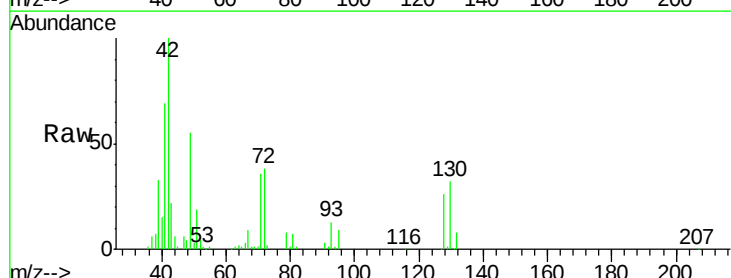
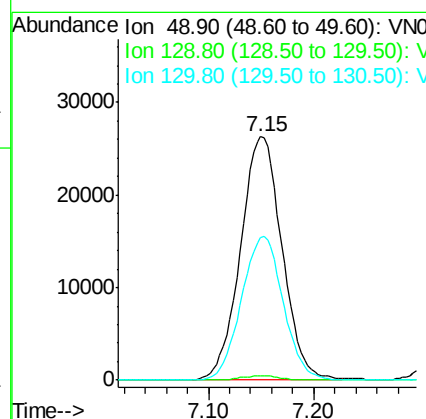
RT: 7.15 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	59.1	51.4	77.2





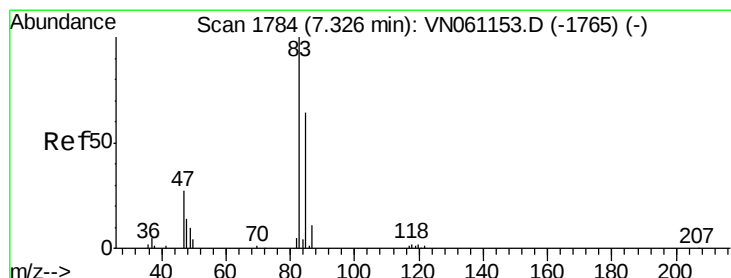
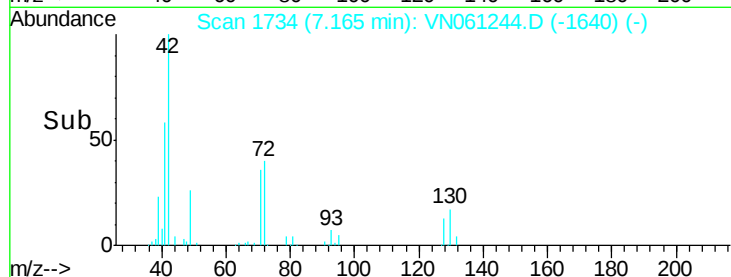
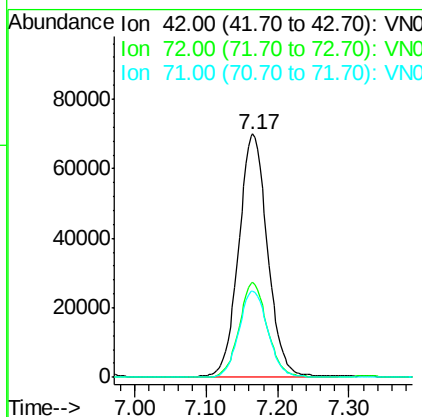
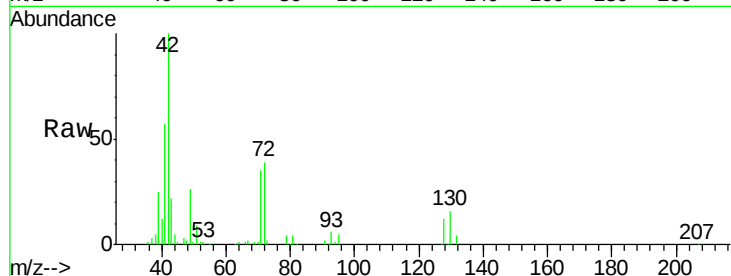
#29
Tetrahydrofuran
Concen: 277.226 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.4	47.0
71	35.2	29.5	44.3

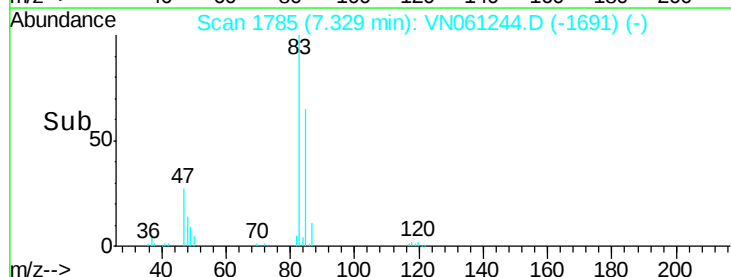
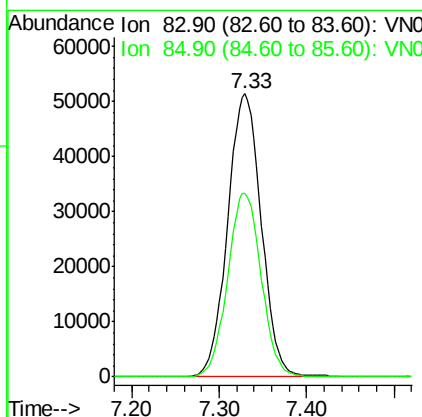
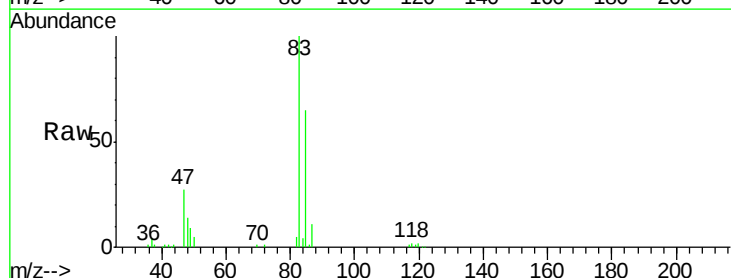
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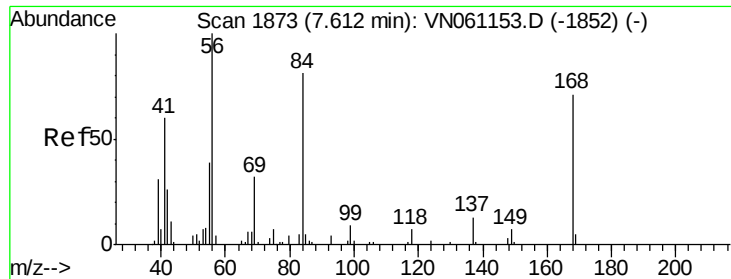
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#30
Chloroform
Concen: 50.279 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7





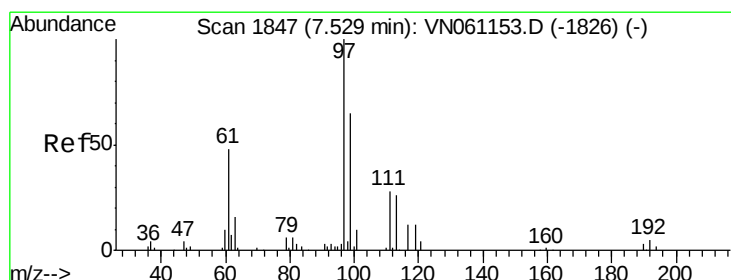
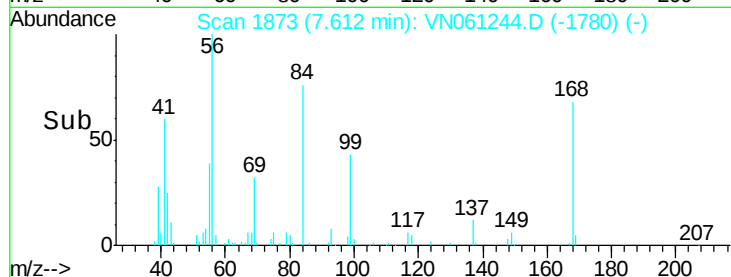
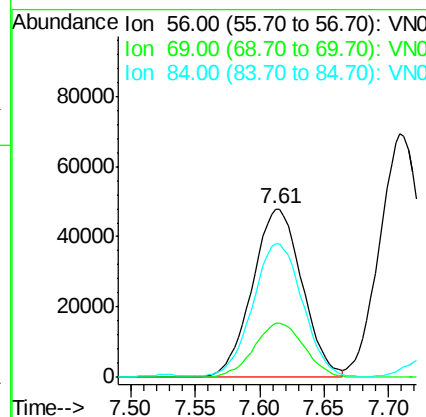
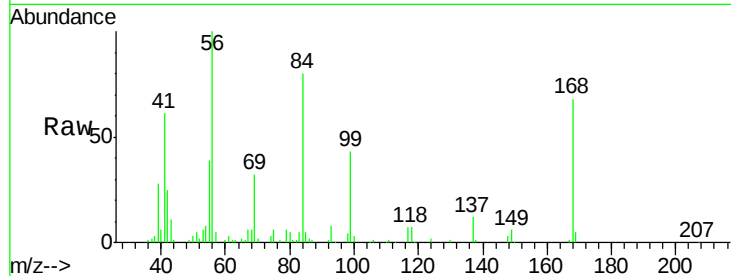
#31
Cyclohexane
Concen: 49.348 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.7	38.5
84	78.6	64.6	97.0

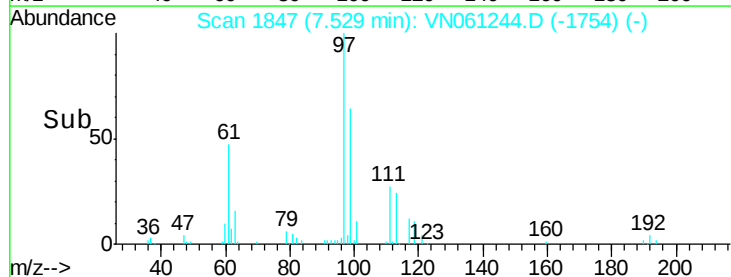
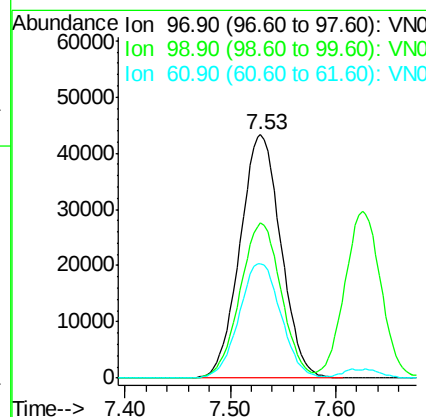
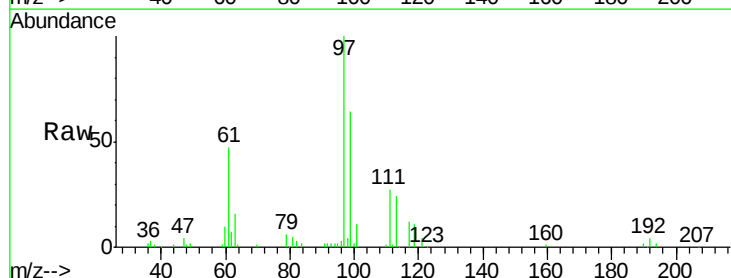
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#32
1,1,1-Trichloroethane
Concen: 49.191 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	48.1	38.6	57.8





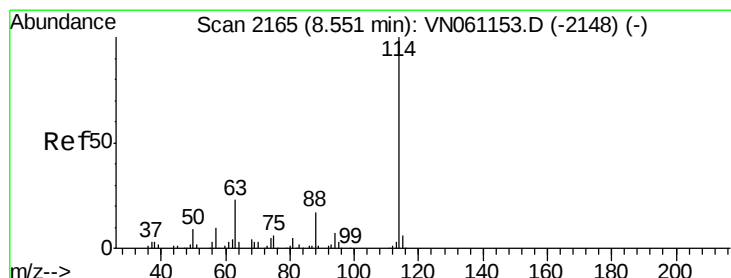
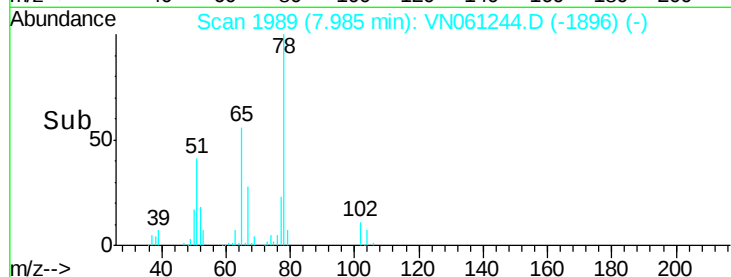
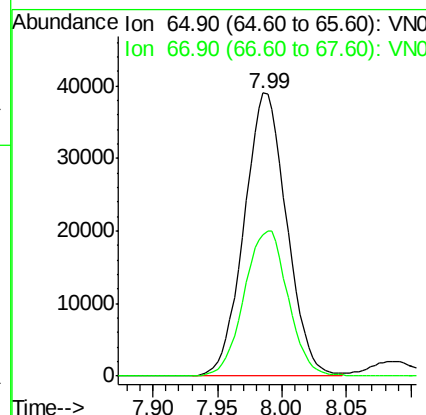
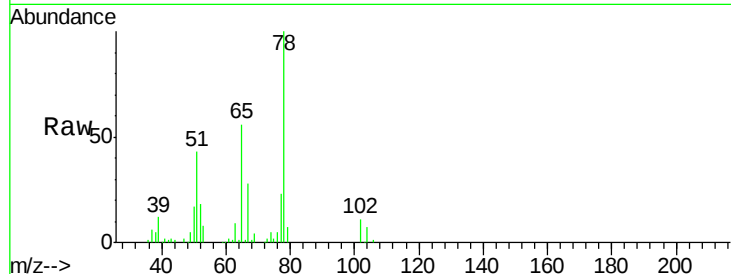
#33
 1,2-Dichloroethane-d4
 Concen: 49.947 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	101.6

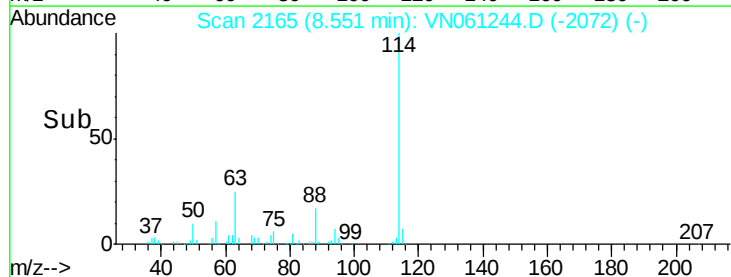
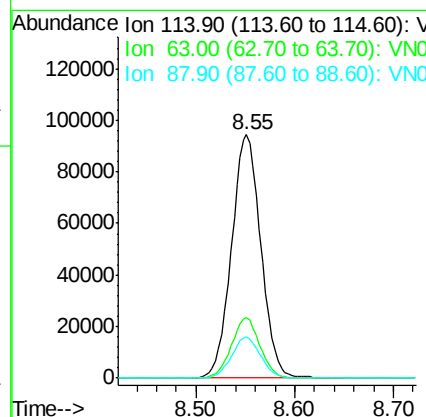
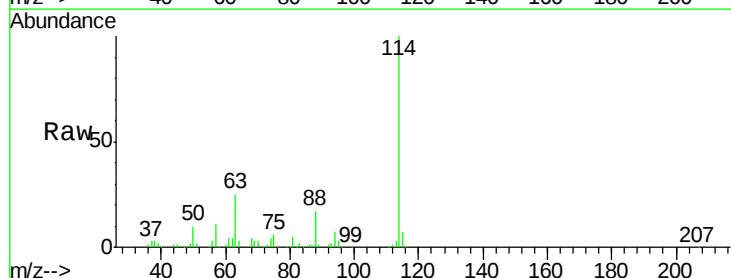
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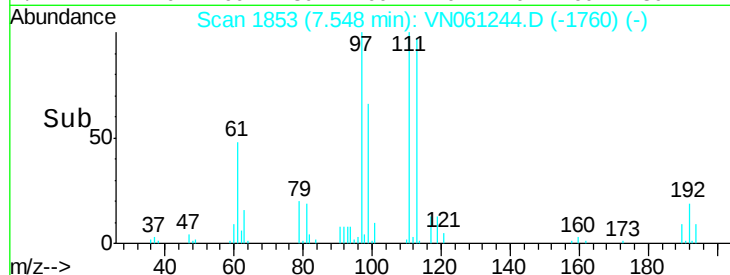
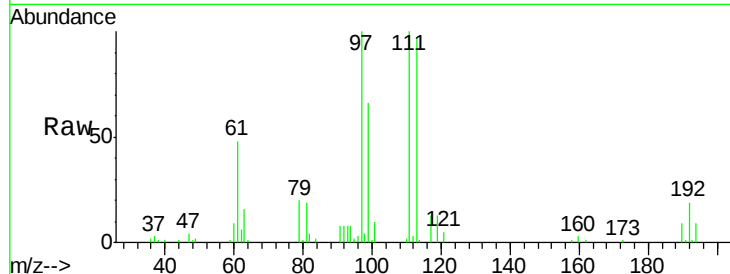
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	46.6
88	16.9	0.0	33.4





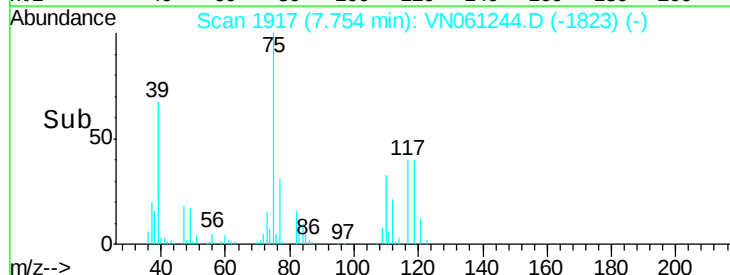
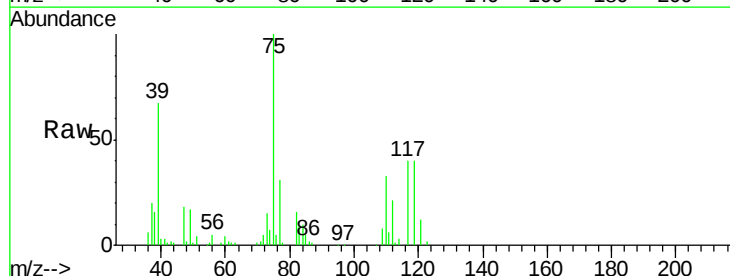
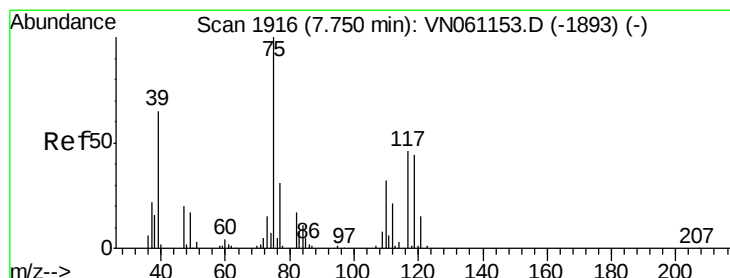
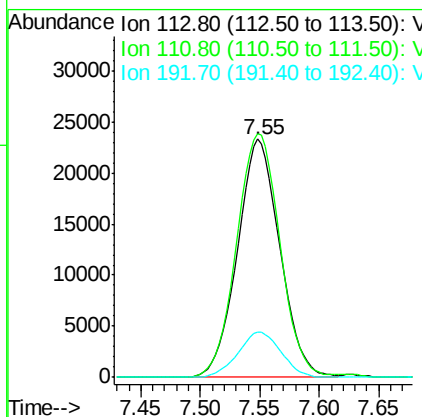
#35
Dibromofluoromethane
Concen: 49.684 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tot Ion	Ratio	Resp	Lower	Upper
113	100	57444		
111	104.7		82.9	124.3
192	19.2		14.7	22.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

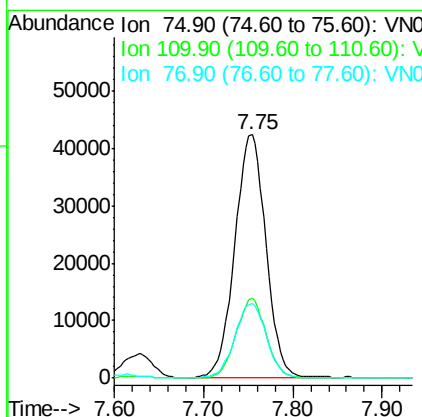
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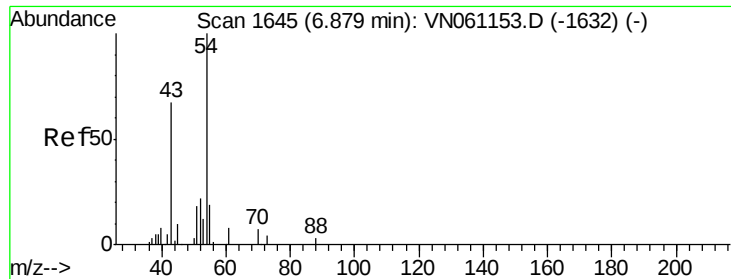
MMDadoda
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#36
1,1-Dichloropropene
Concen: 52.618 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102988		
110	31.5		16.0	48.0
77	31.1		24.6	37.0





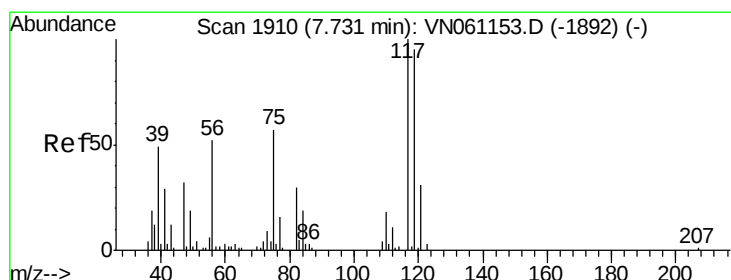
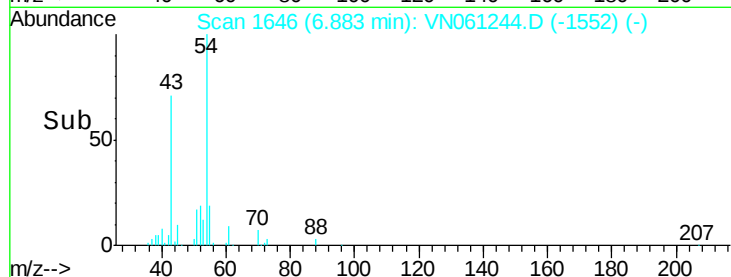
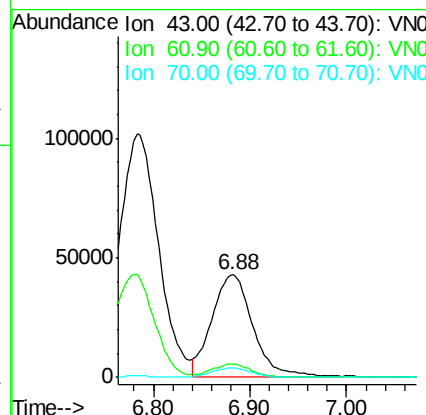
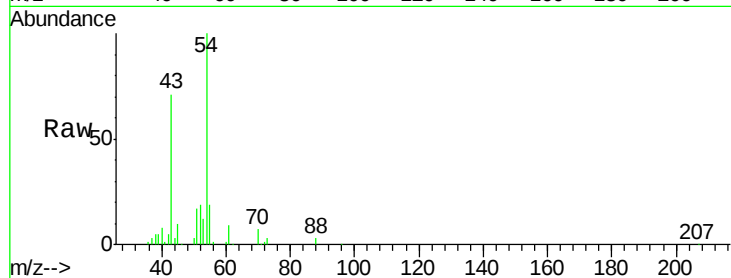
#37
Ethyl Acetate
Concen: 54.304 ug/l
RT: 6.88 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	9.0	7.2	10.8

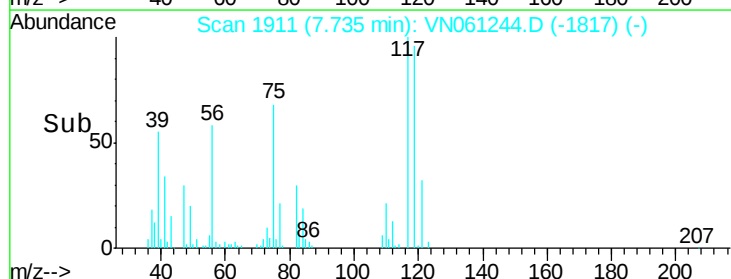
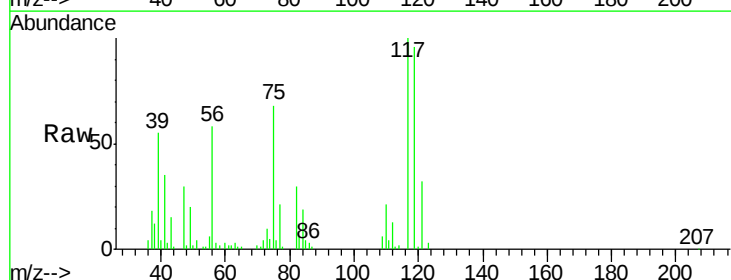
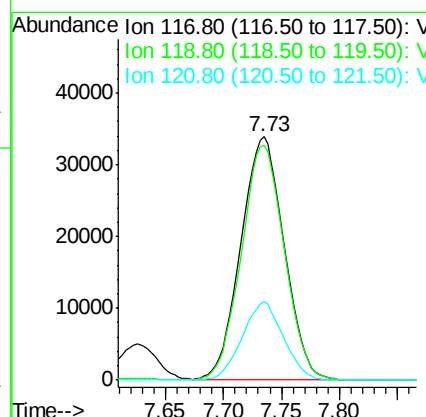
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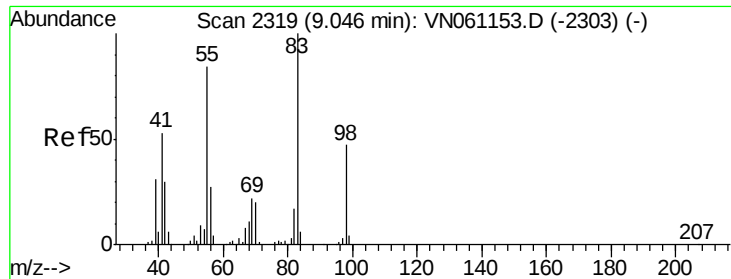
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#38
Carbon Tetrachloride
Concen: 49.342 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.6
121	32.1	24.7	37.1





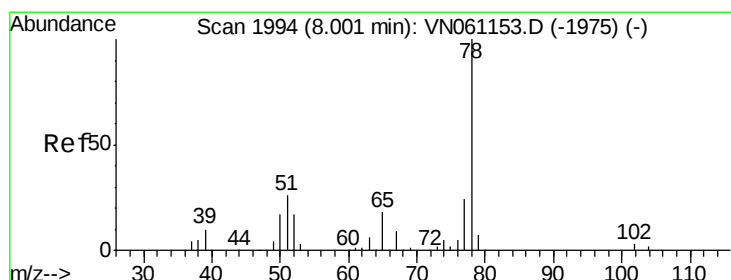
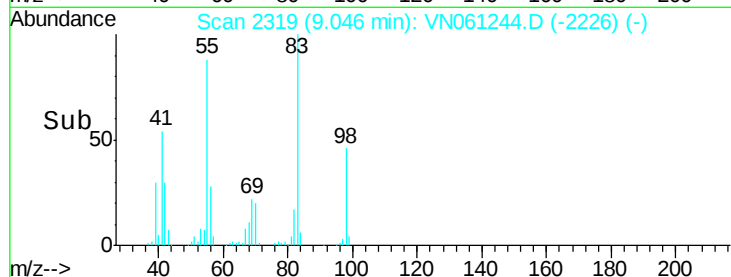
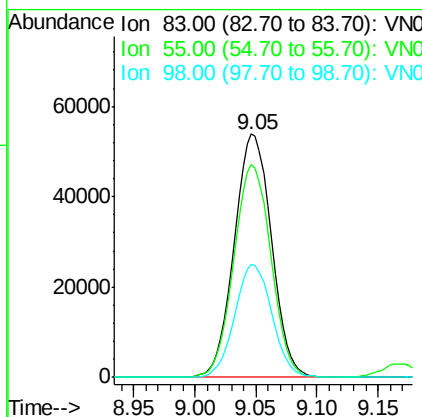
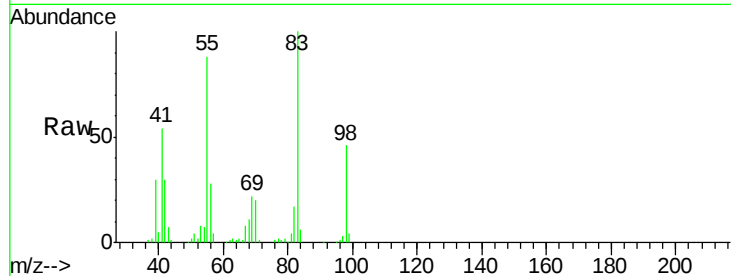
#39
Methvlcvclohexane
Concen: 51.897 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	87.5	67.3	100.9	
98	46.4	37.7	56.5	

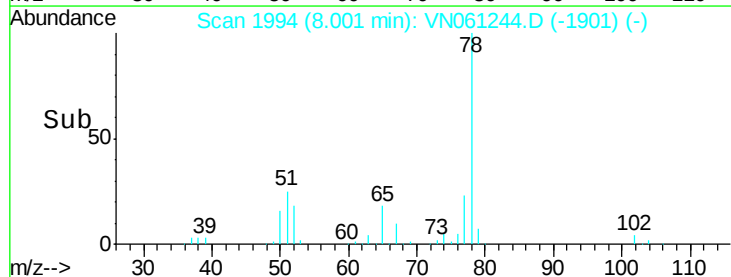
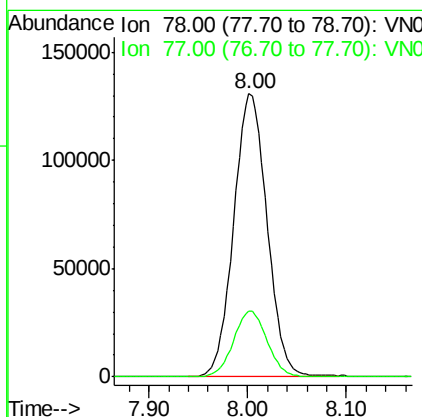
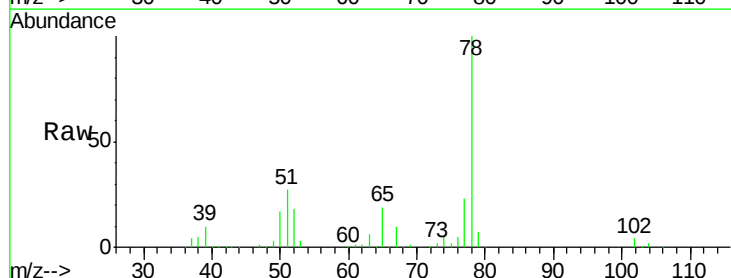
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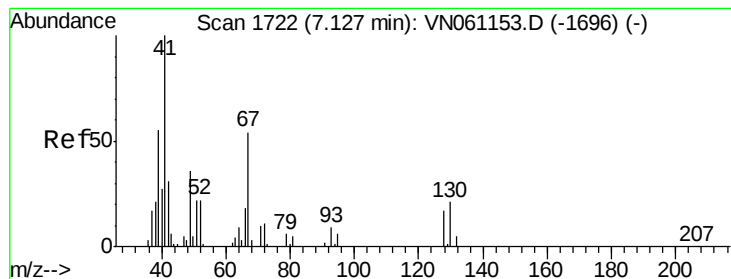
MMDadoda
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#40
Benzene
Concen: 52.787 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	19.0	28.6	





#41

Methacrylonitrile

Concen: 61.741 ug/l

RT: 7.12 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 58821

Ion Ratio Lower Upper

41 100

39 57.5 0.0 0.0#

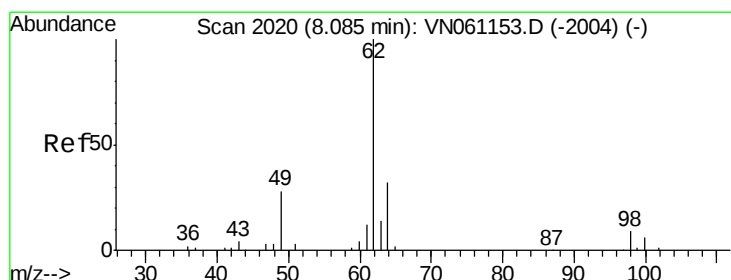
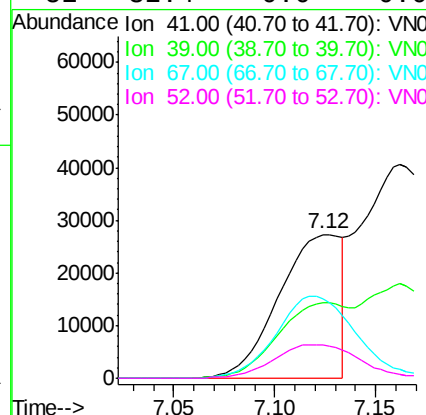
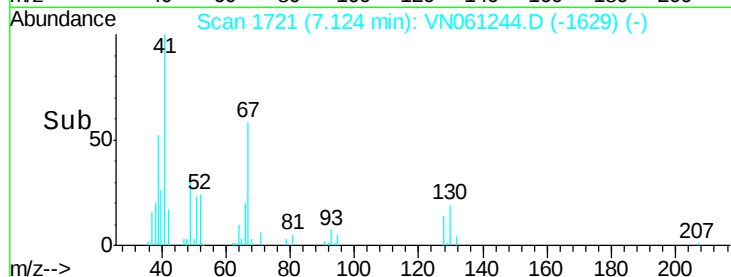
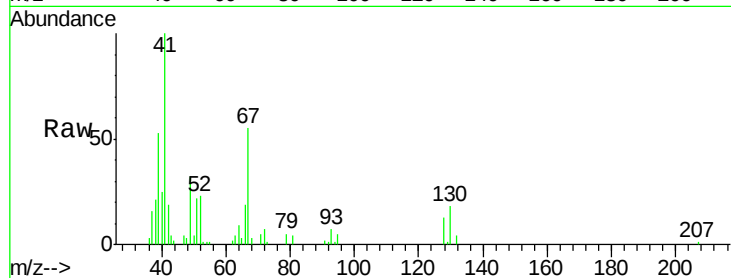
67 73.6 0.0 0.0#

52 32.4 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 51.197 ug/l

RT: 8.09 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VN061244.D

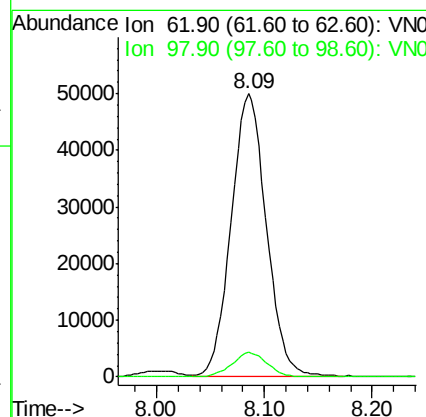
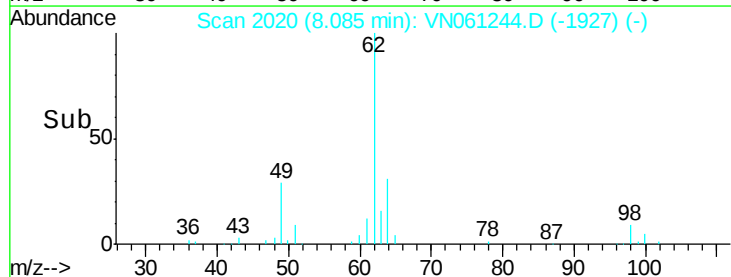
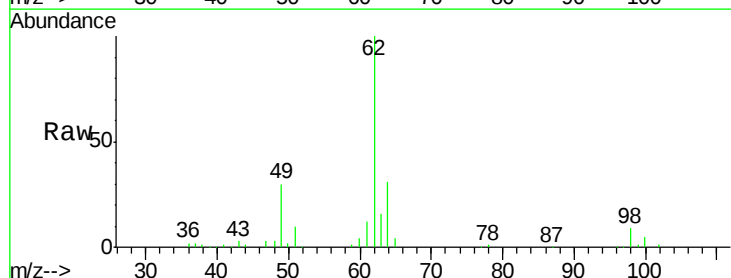
Acq: 1 May 2020 20:32

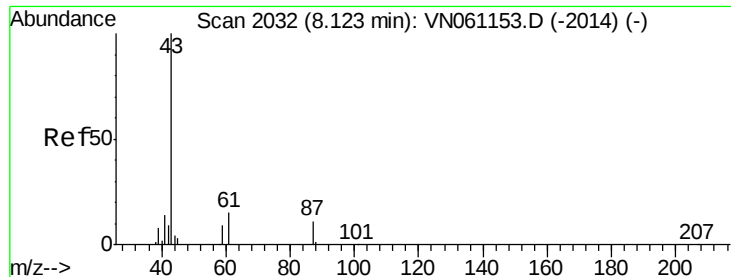
Tgt Ion: 62 Resp: 113099

Ion Ratio Lower Upper

62 100

98 8.6 0.0 16.8





#43

Isopropyl Acetate

Concen: 53.393 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

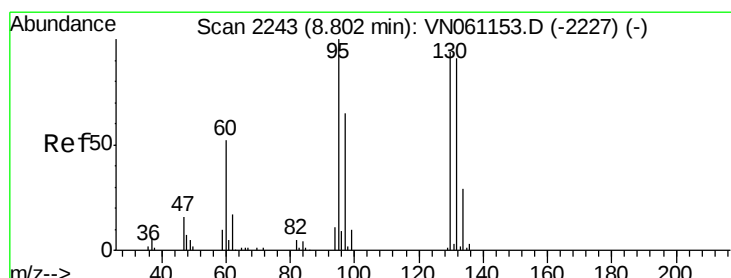
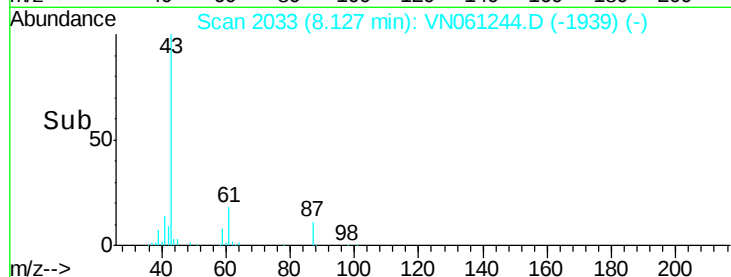
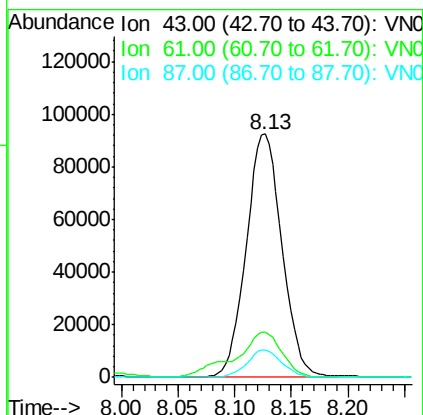
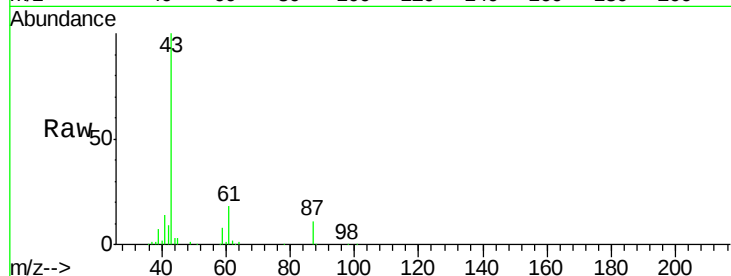
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	203328
Ion	Ratio	Lower	Upper
43	100		
61	24.5	19.5	29.3
87	11.0	8.9	13.3

Manual Integrations
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#44

Trichloroethene

Concen: 47.967 ug/l

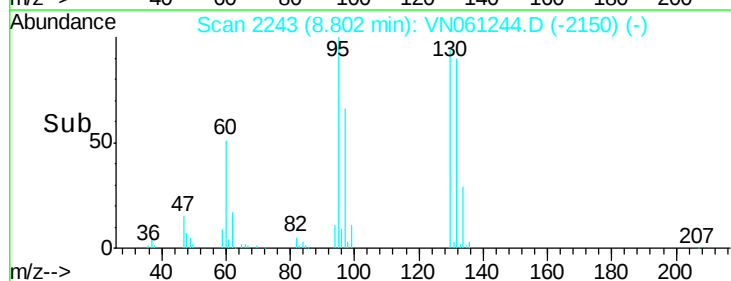
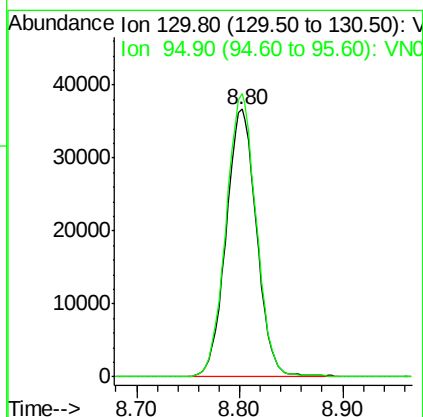
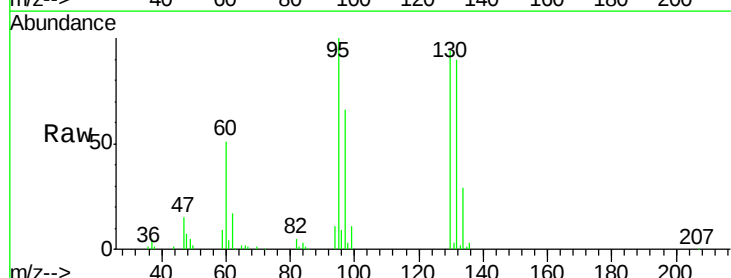
RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Tgt Ion:	130	Resp:	75613
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	212.4





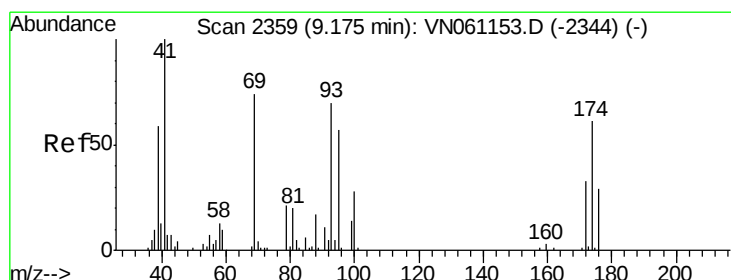
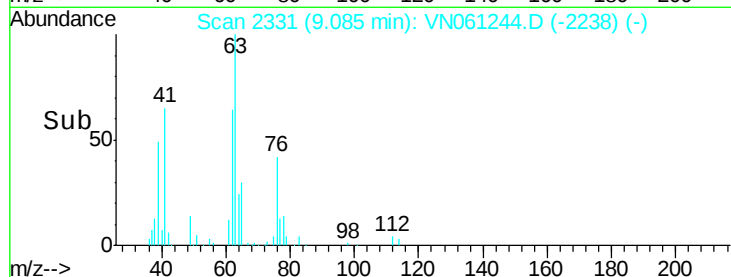
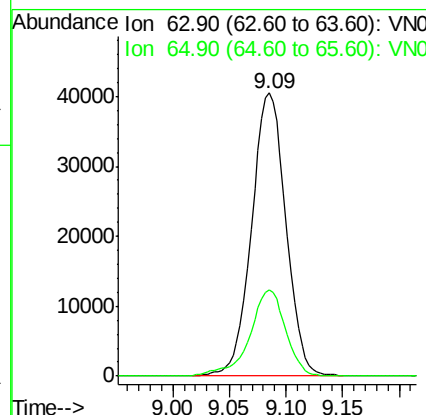
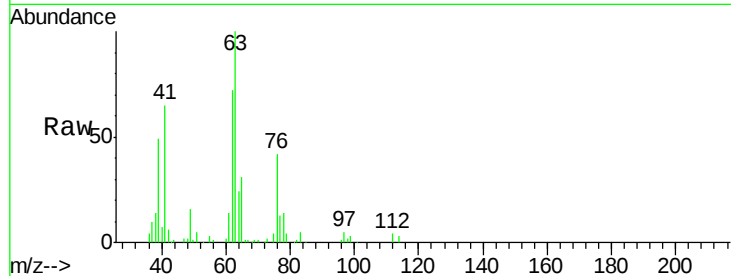
#45
 1,2-Dichloropropane
 Concen: 54.697 ug/l
 RT: 9.09 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 85211
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

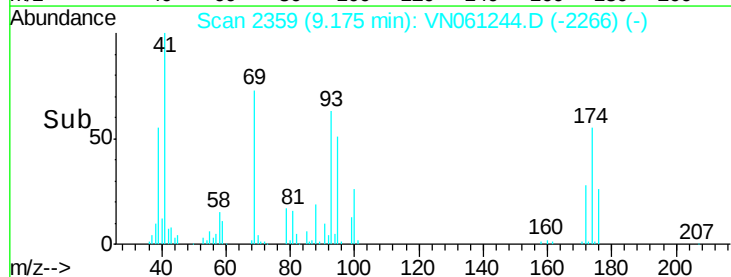
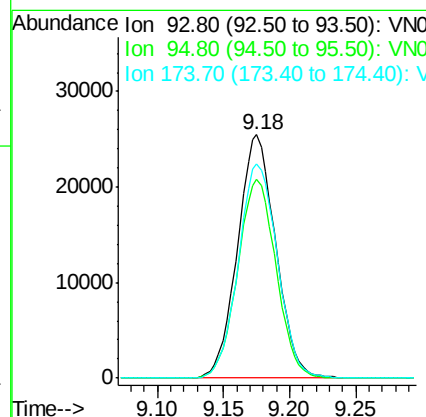
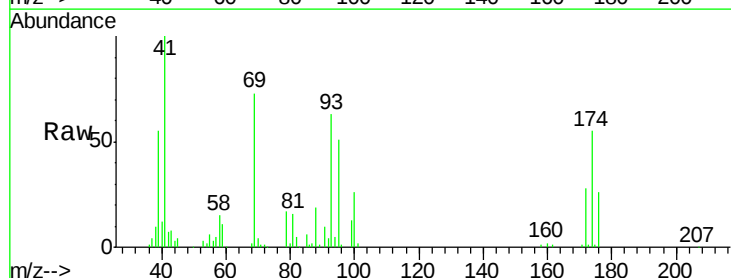
Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:05 PM



#46
 Dibromomethane
 Concen: 52.812 ug/l
 RT: 9.18 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion: 93 Resp: 50942
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 99.8
 174 90.0 70.2 105.2





#47

Bromodichloromethane

Concen: 52.259 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

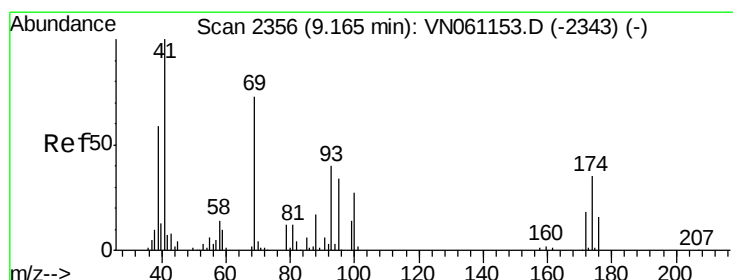
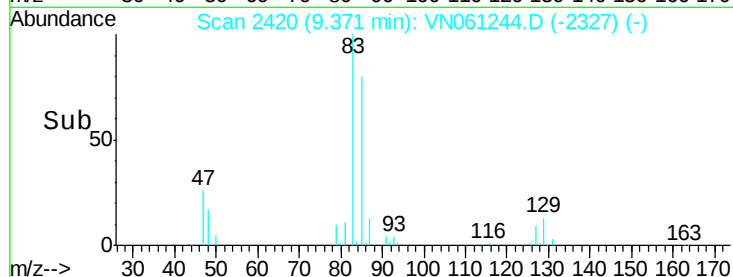
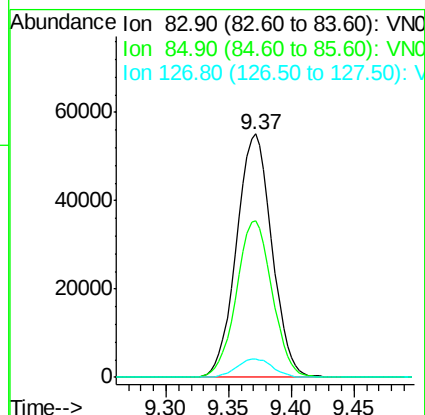
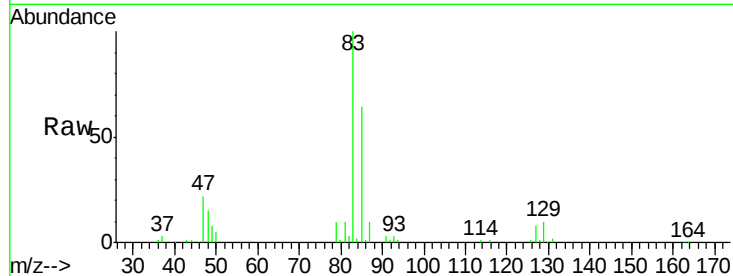
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	108197
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.4	75.6
127	7.6	6.2	9.2

Manual Integrations
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5/4/2020 2:58:05 PM



#48

Methyl methacrylate

Concen: 55.298 ug/l

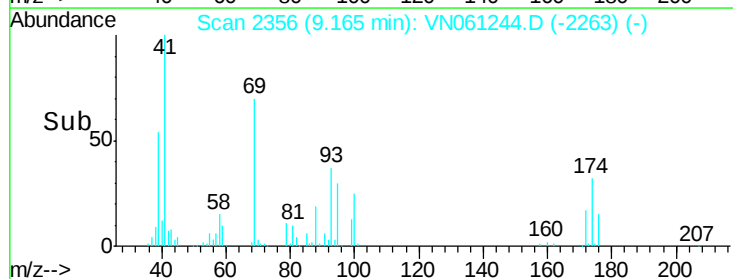
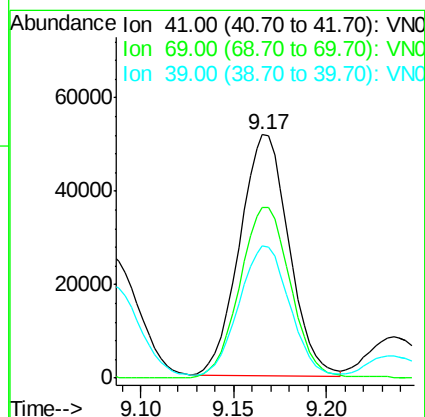
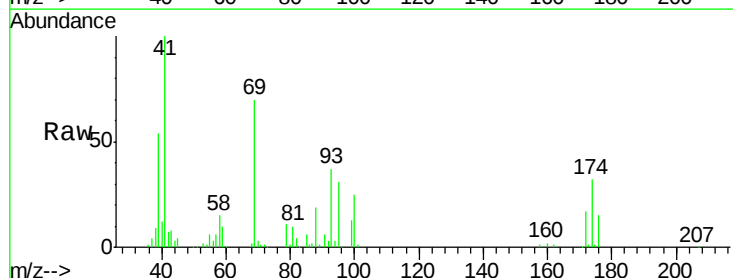
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Tgt Ion:	41	Resp:	95026
Ion Ratio	Lower	Upper	
41	100		
69	73.8	60.3	90.5
39	56.7	47.4	71.0





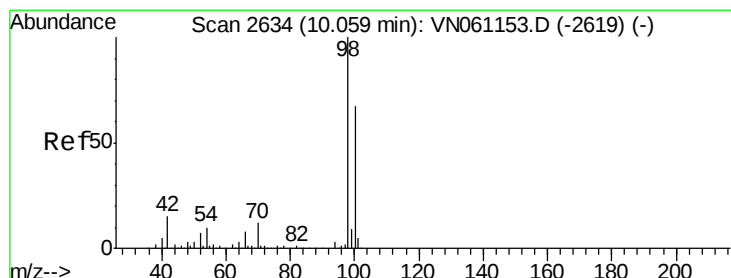
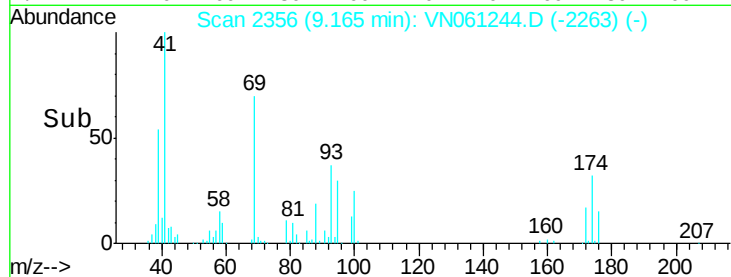
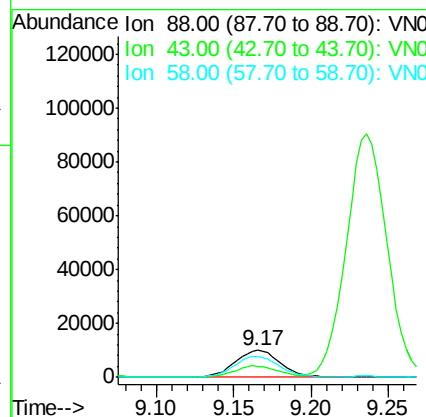
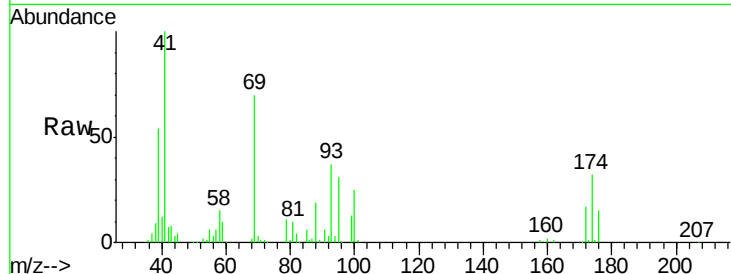
#49
1,4-Dioxane
Concen: 1032.489 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.2	35.3	52.9
58	78.2	61.5	92.3

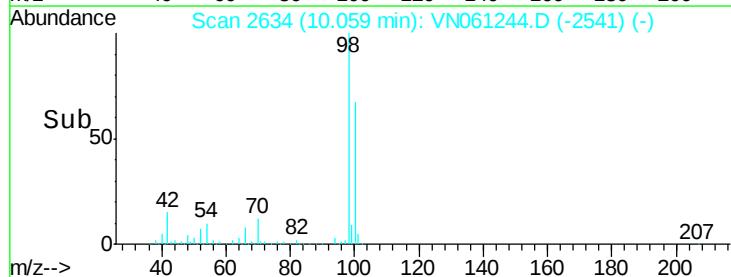
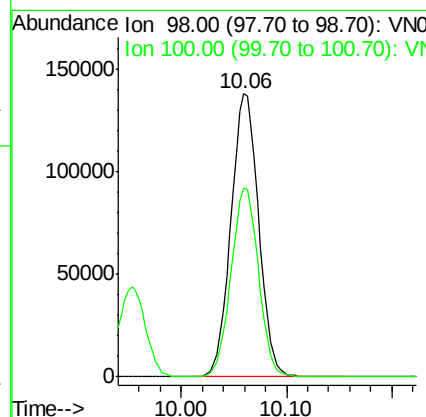
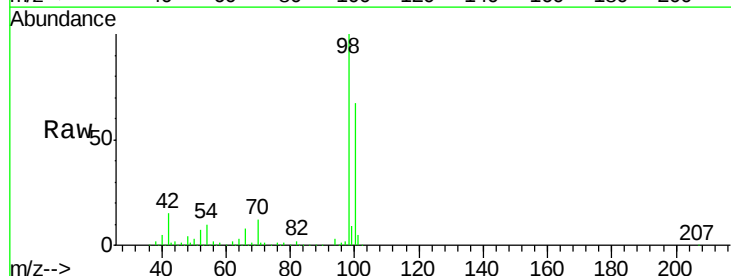
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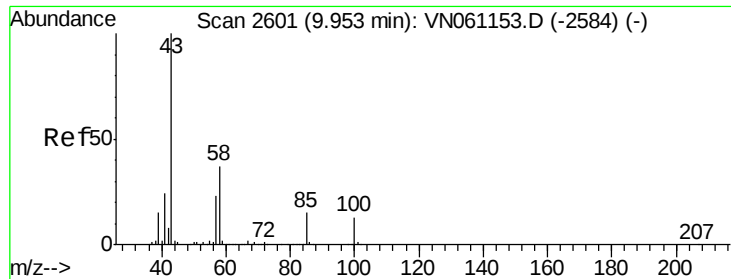
MMDadoda
5/4/2020 2:58:05 PM



#50
Toluene-d8
Concen: 53.078 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0





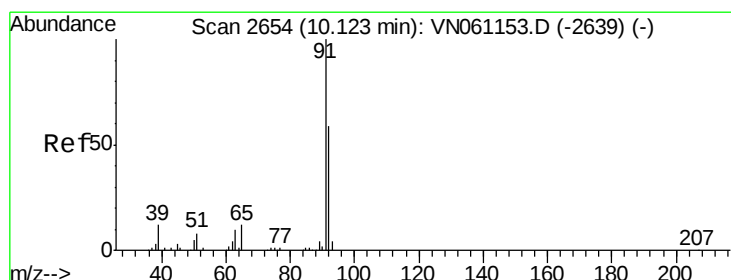
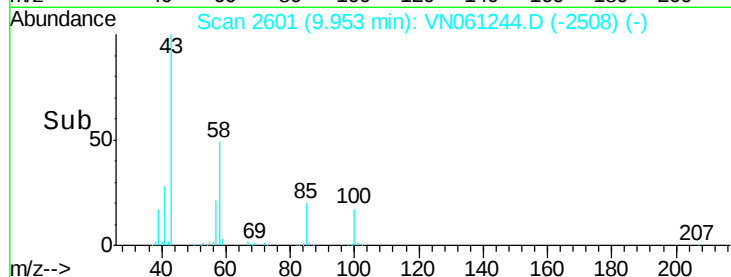
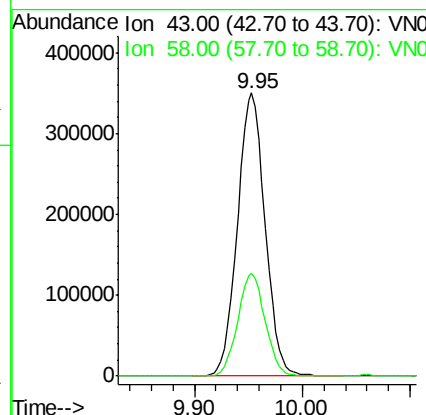
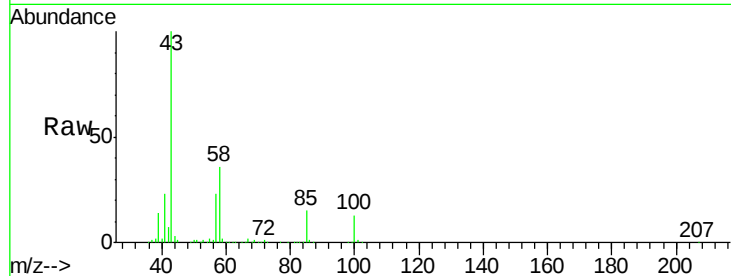
#51
4-Methyl-2-Pentanone
Concen: 278.857 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.1	43.7

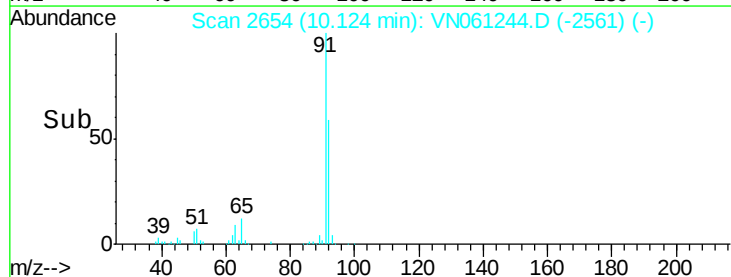
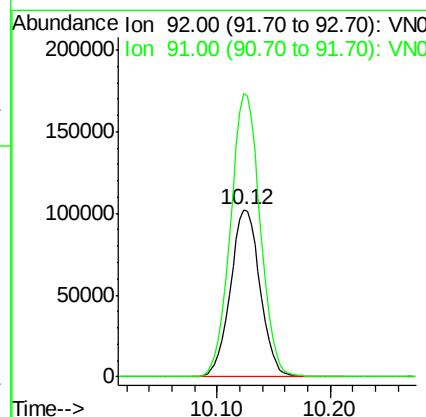
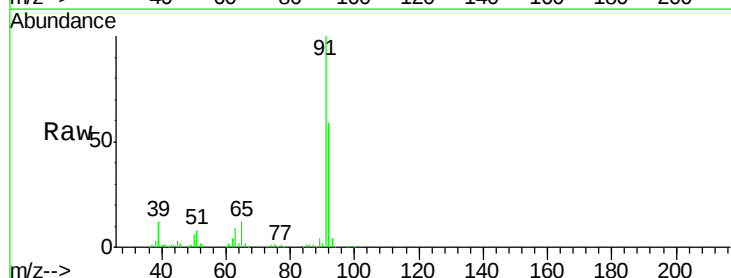
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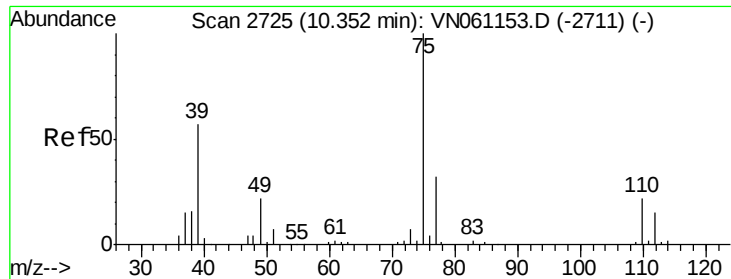
MMDadoda
5/4/2020 2:58:05 PM



#52
Toluene
Concen: 53.092 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.5	136.2	204.2





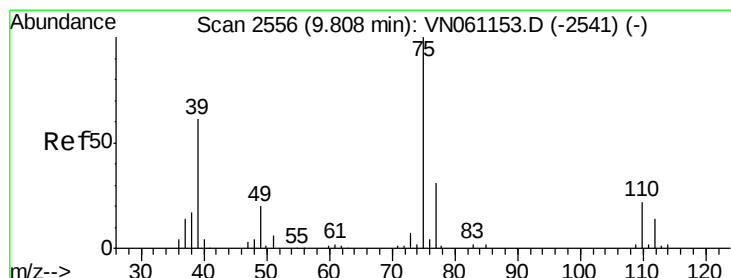
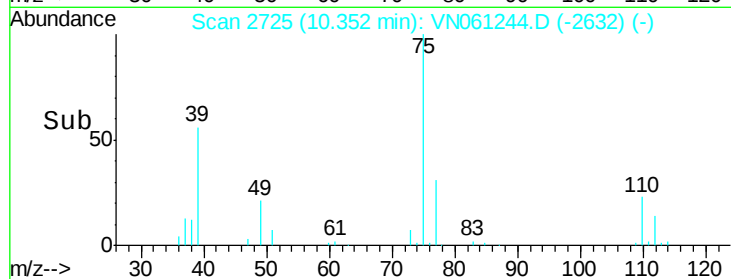
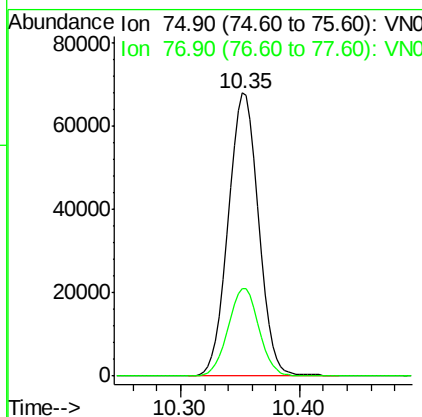
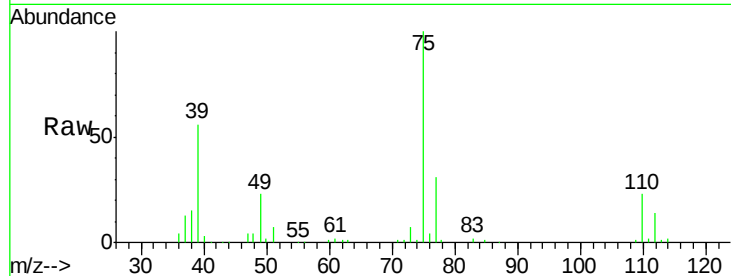
#53
t-1,3-Dichloropropene
Concen: 51.536 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.5	38.3

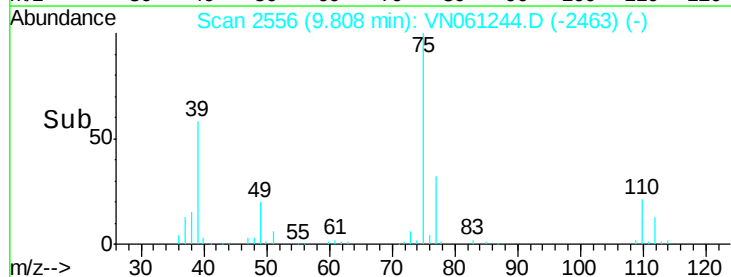
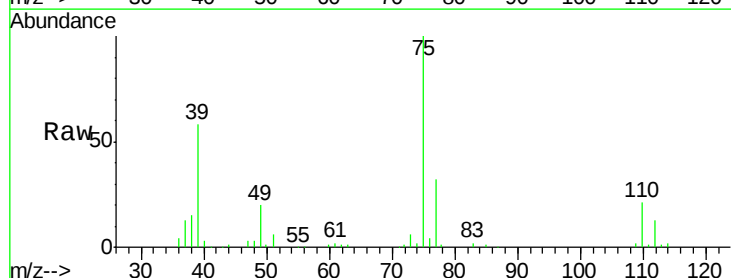
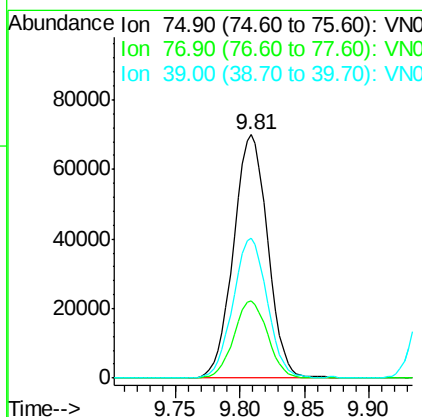
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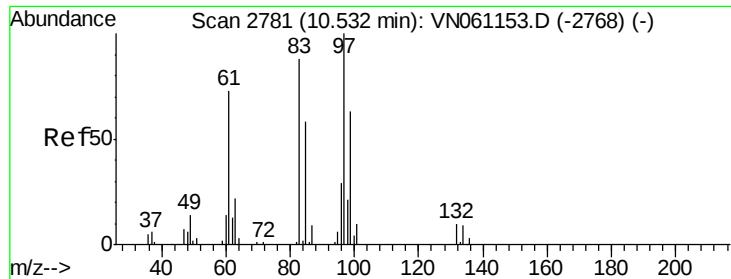
MMDadoda
5/4/2020 2:58:05 PM



#54
cis-1,3-Dichloropropene
Concen: 52.282 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	57.6	48.7	73.1





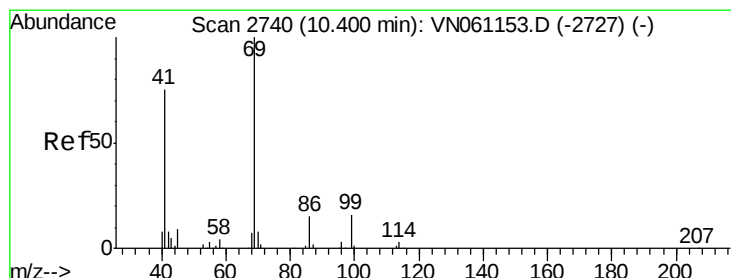
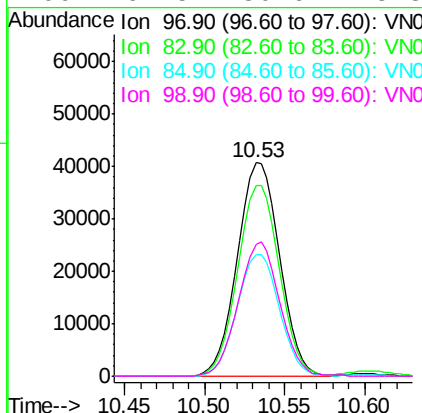
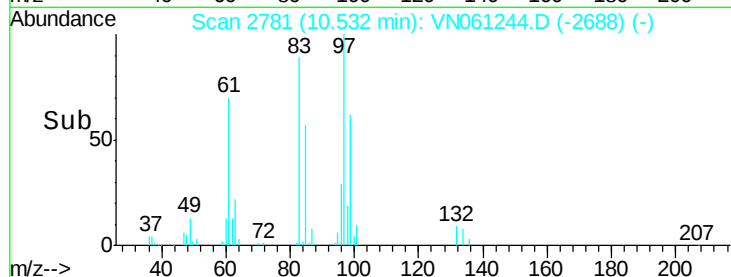
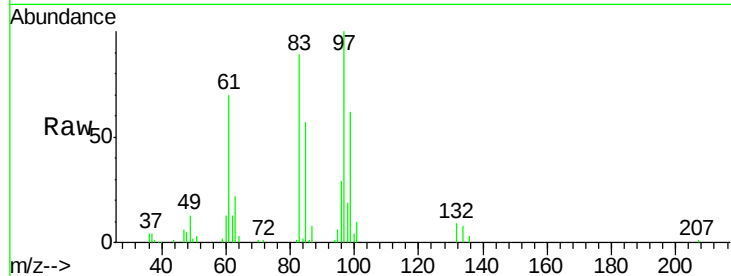
#55
 1,1,2-Trichloroethane
 Concen: 52.481 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	73524
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.6	106.0
85	57.2	46.4	69.6
99	61.5	50.6	75.8

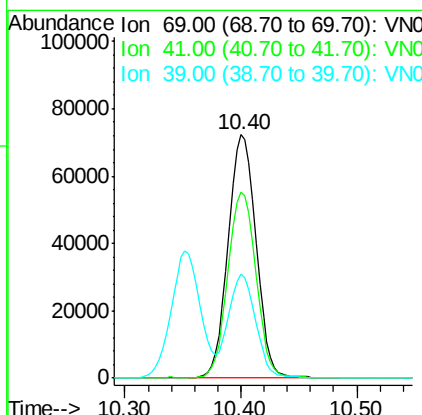
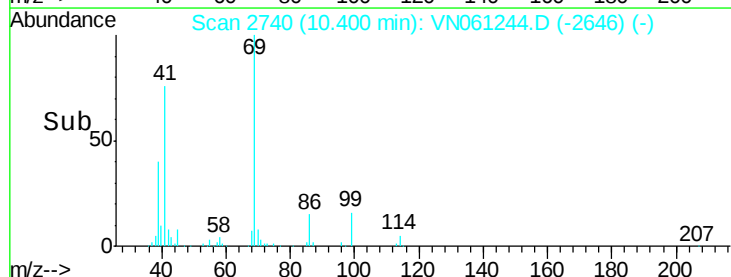
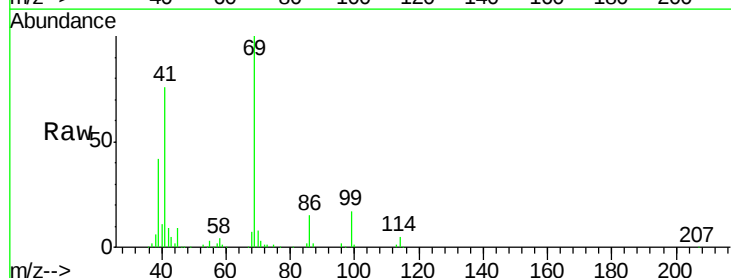
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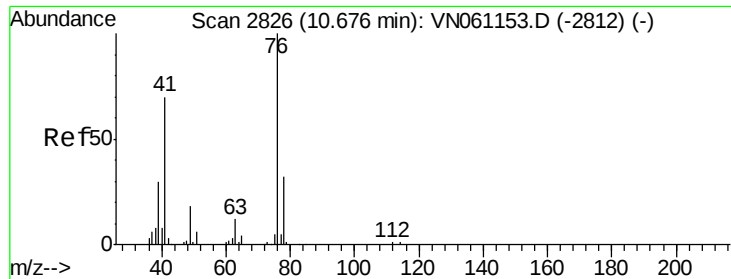
MMDadoda
 5/4/2020 2:58:05 PM



#56
 Ethyl methacrylate
 Concen: 49.397 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion:	69	Resp:	120507
Ion	Ratio	Lower	Upper
69	100		
41	76.2	60.3	90.5
39	41.5	35.9	53.9





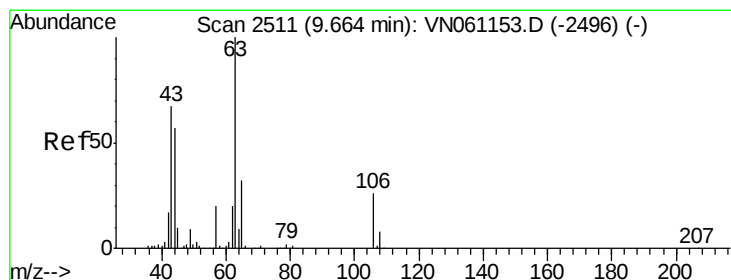
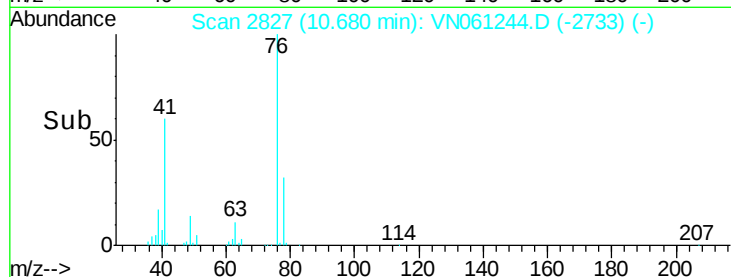
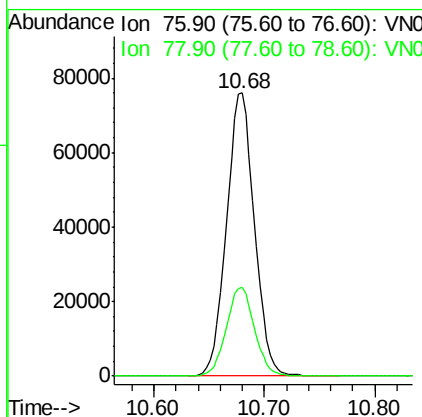
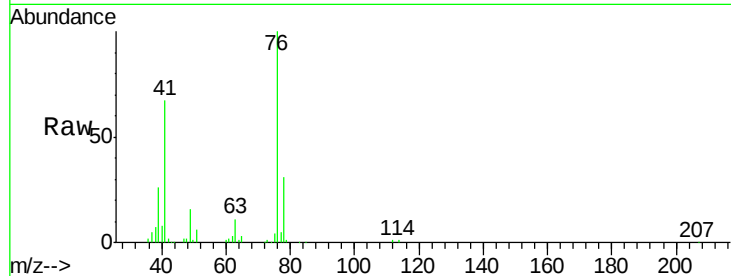
#57
 1,3-Dichloropropane
 Concen: 54.133 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 133306
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

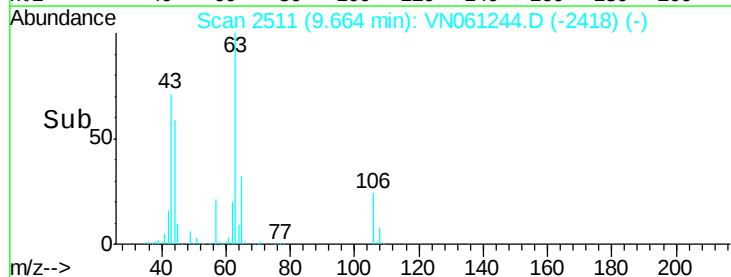
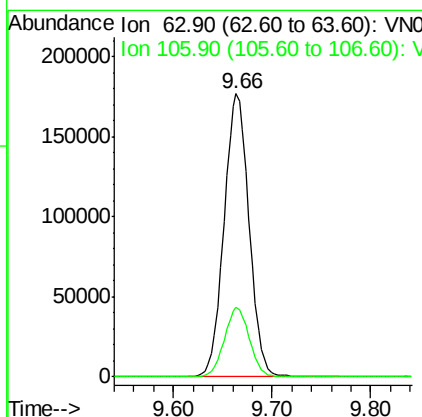
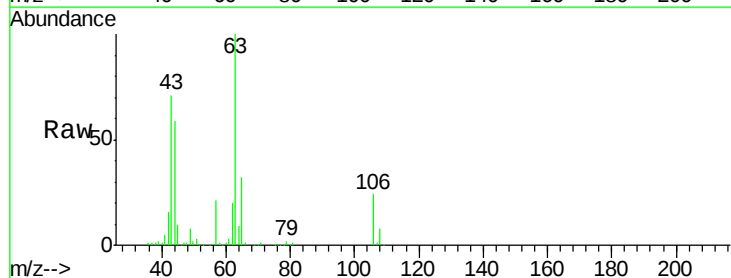
Manual Integrations
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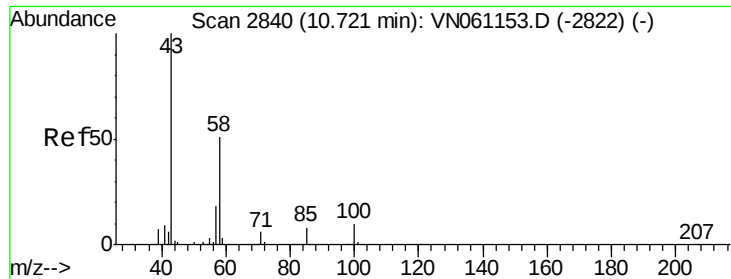
MMDadoda
 5/4/2020 2:58:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.200 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion: 63 Resp: 314347
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.6 30.8





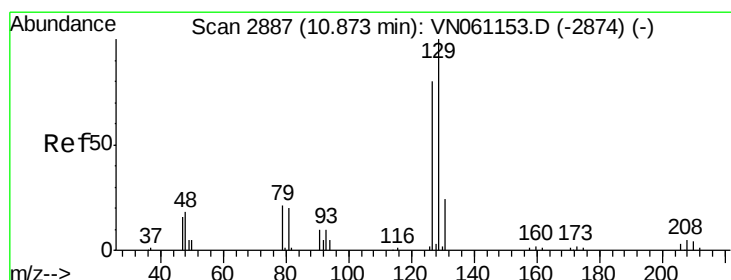
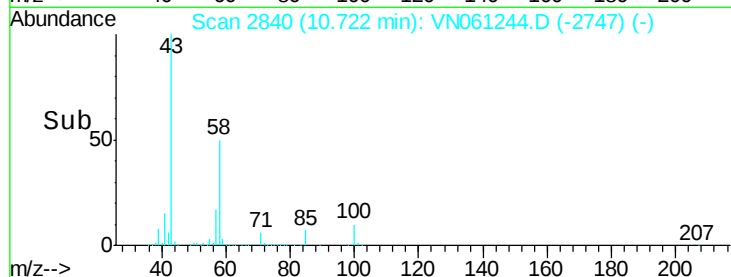
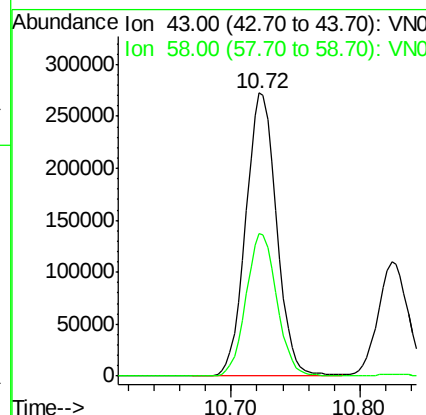
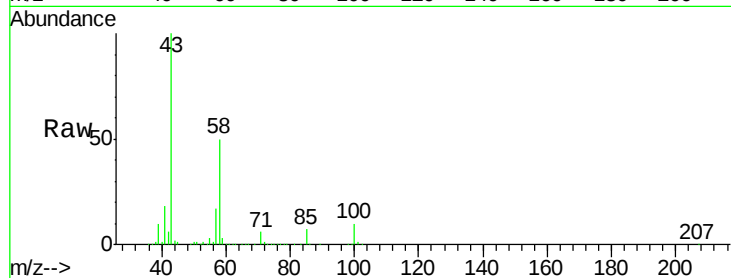
#59
2-Hexanone
Concen: 278.303 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 453844
Ion Ratio Lower Upper
43 100
58 50.2 25.4 76.4

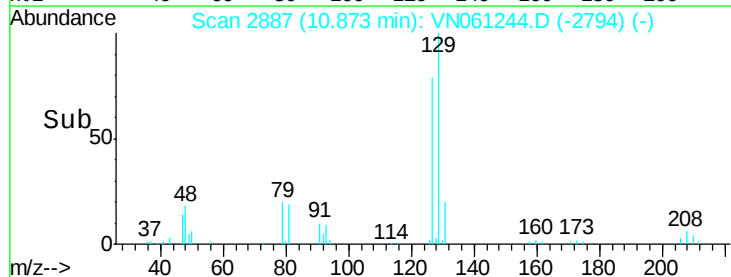
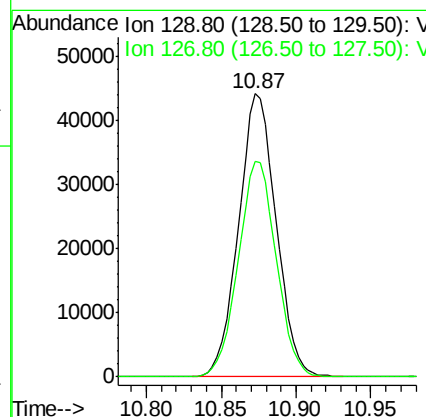
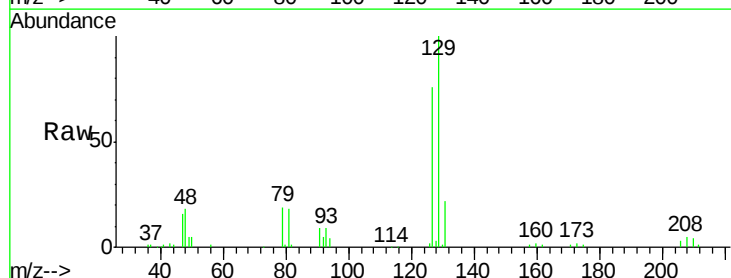
Manual Integrations
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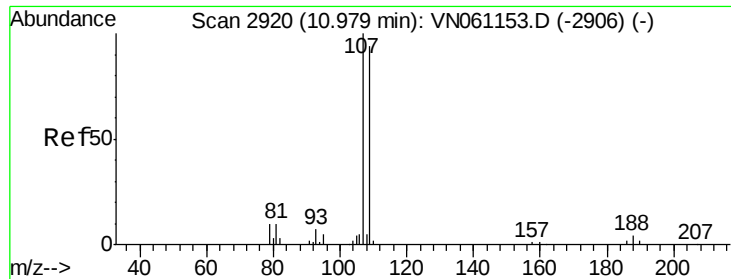
MMDadoda
5/4/2020 2:58:05 PM



#60
Dibromochloromethane
Concen: 52.623 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion: 129 Resp: 77213
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.8





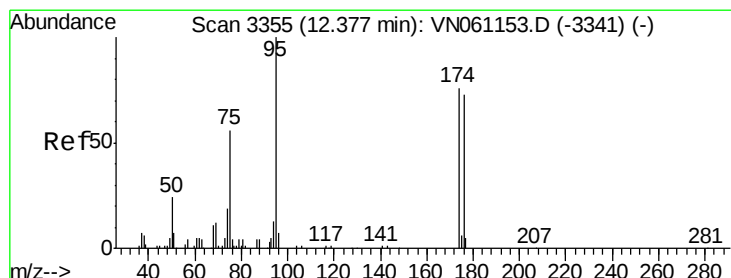
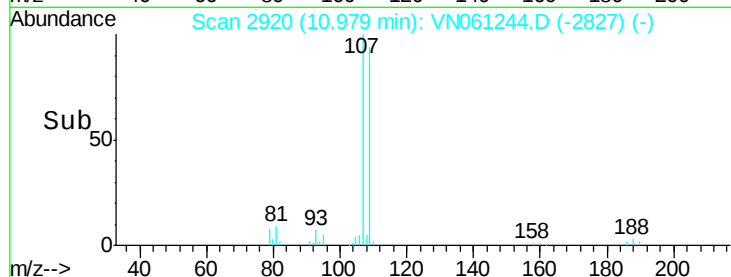
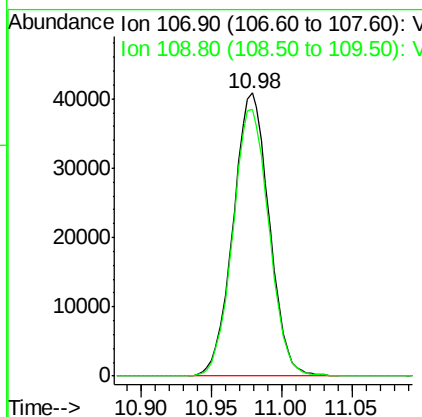
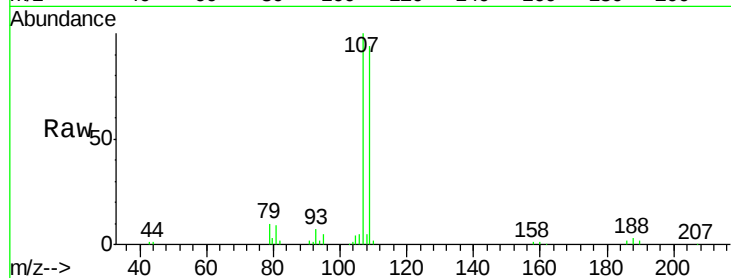
#61
 1,2-Dibromoethane
 Concen: 52.027 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.8	112.2

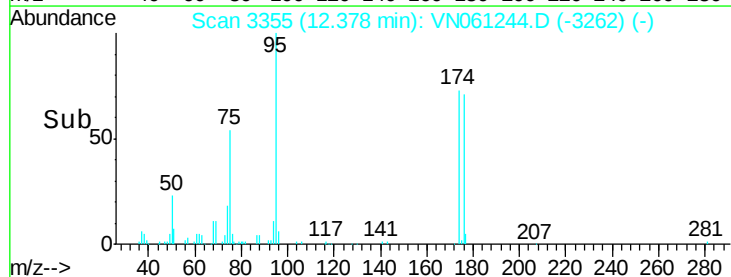
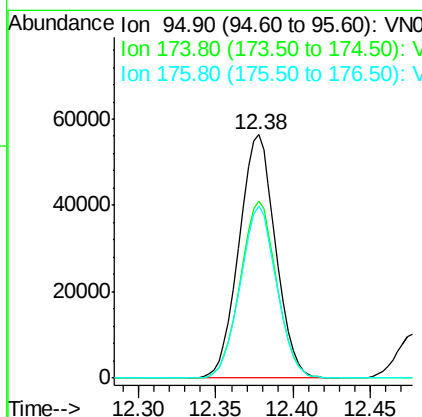
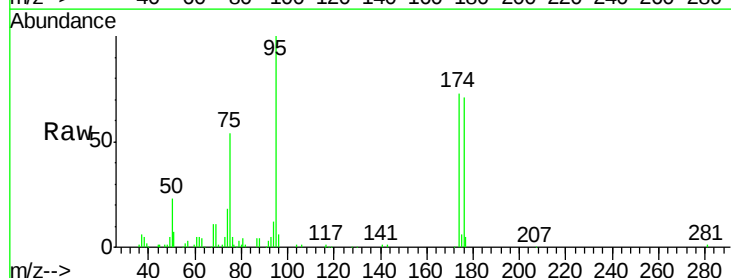
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.200 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	149.4
176	70.1	0.0	144.8





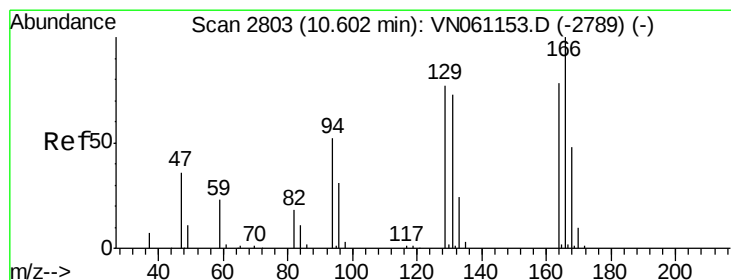
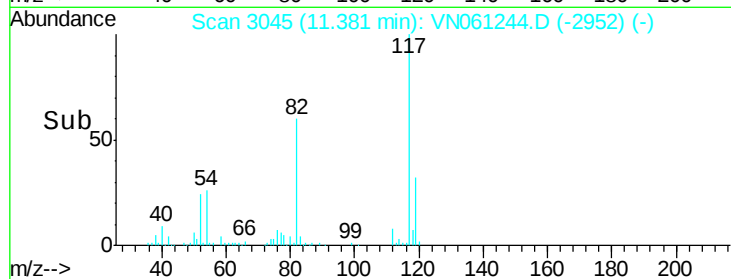
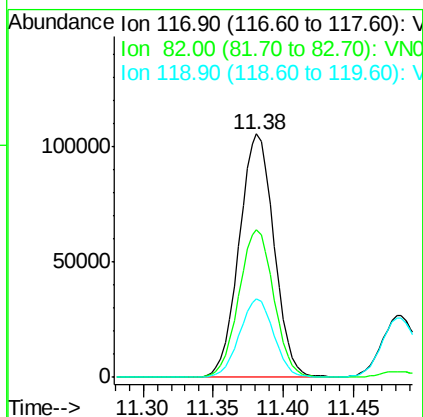
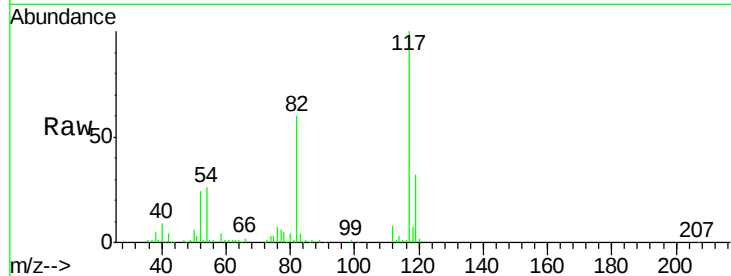
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	183636		
82	60.4	47.8	71.8	
119	32.4	25.8	38.6	

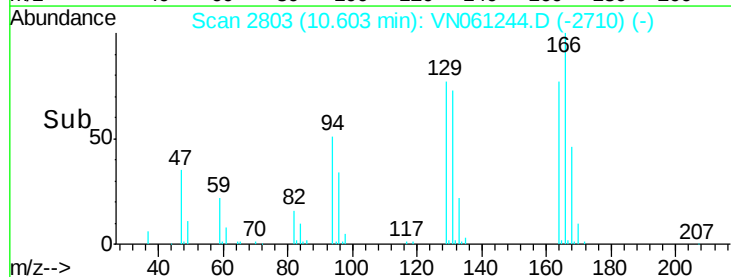
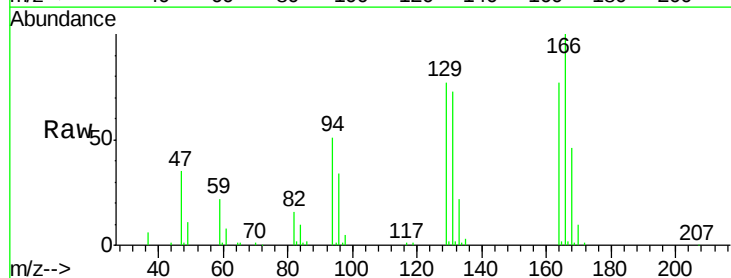
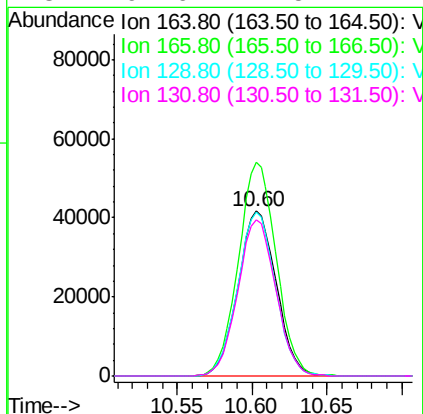
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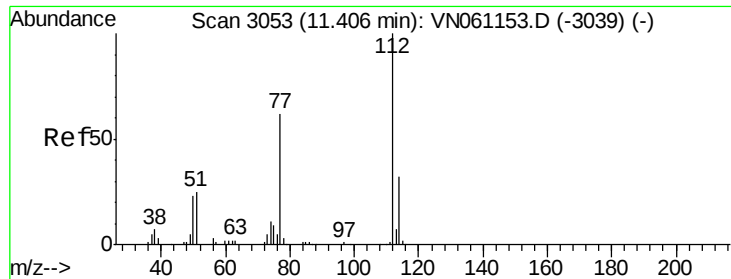
MMDadoda
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#64
Tetrachloroethene
Concen: 46.615 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74141		
166	129.4	102.0	153.0	
129	99.1	78.2	117.2	
131	94.6	74.5	111.7	





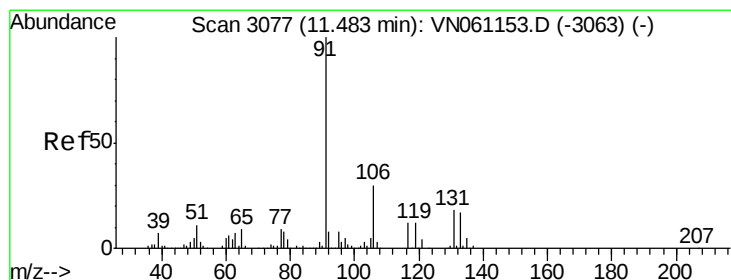
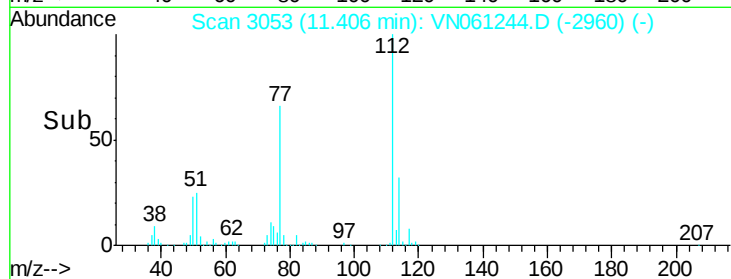
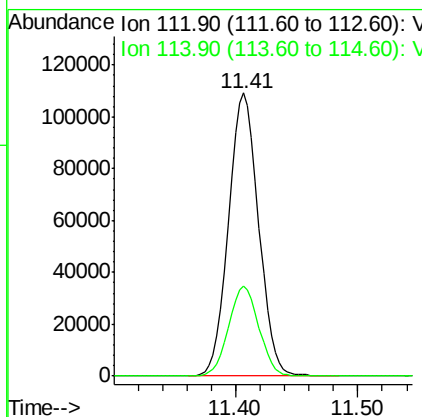
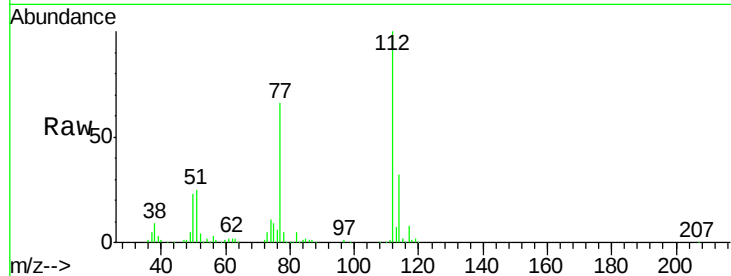
#65
Chlorobenzene
Concen: 51.585 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 187909
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

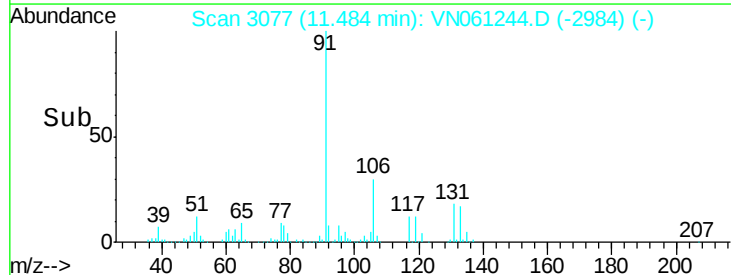
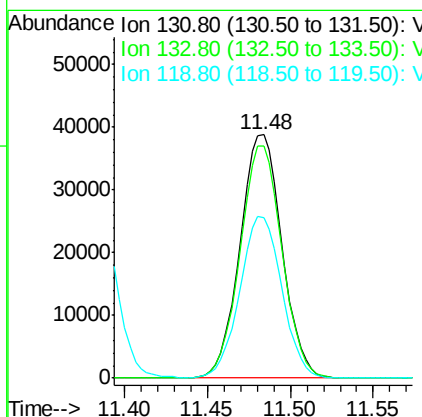
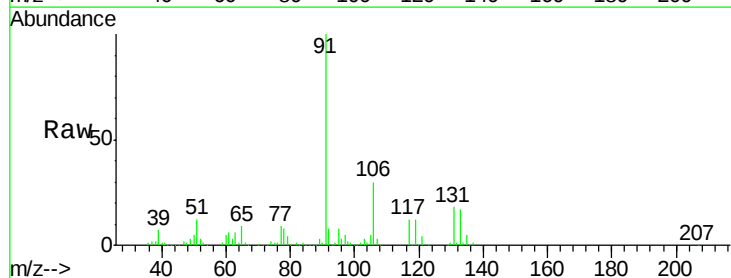
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.324 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion:131 Resp: 68218
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.2
119 66.5 32.6 97.8





#67

Ethyl Benzene

Concen: 52.767 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 359822

Ion Ratio Lower Upper

91 100

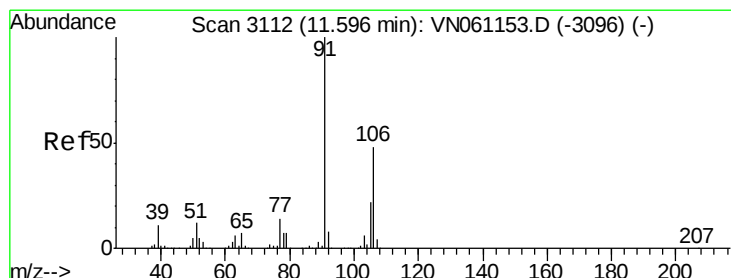
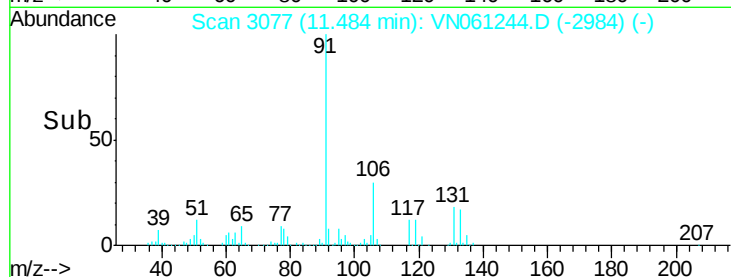
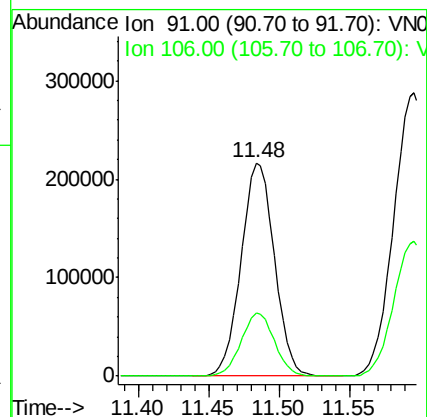
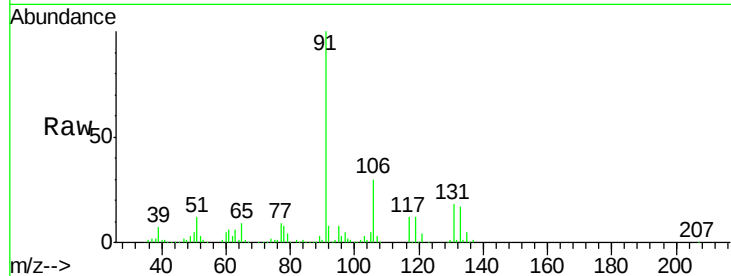
106 29.6 23.8 35.6

Manual Integrations

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5/4/2020 2:58:05 PM



#68

m/p-Xylenes

Concen: 105.156 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061244.D

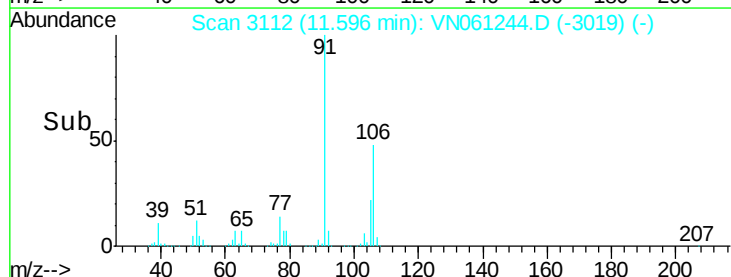
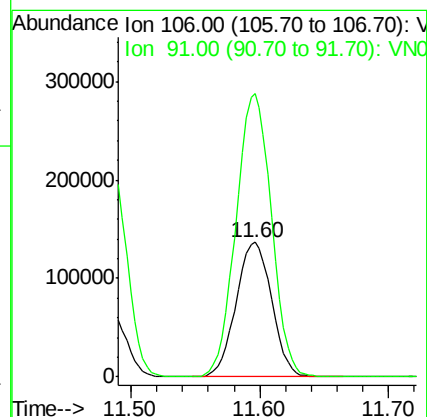
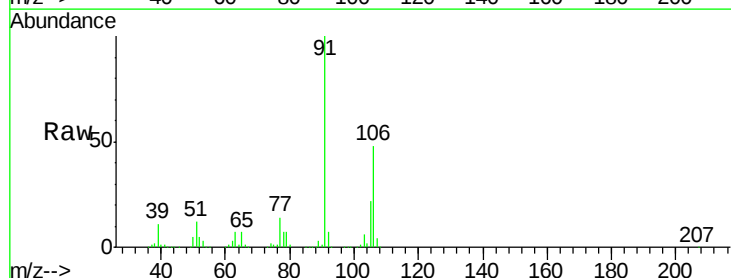
Acq: 1 May 2020 20:32

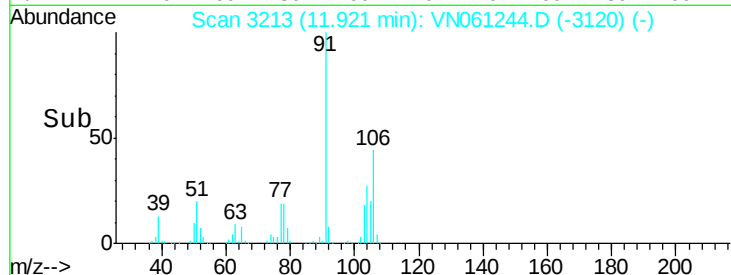
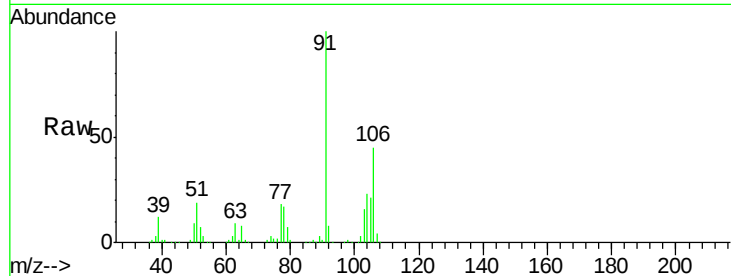
Tgt Ion: 106 Resp: 262470

Ion Ratio Lower Upper

106 100

91 208.8 166.4 249.6





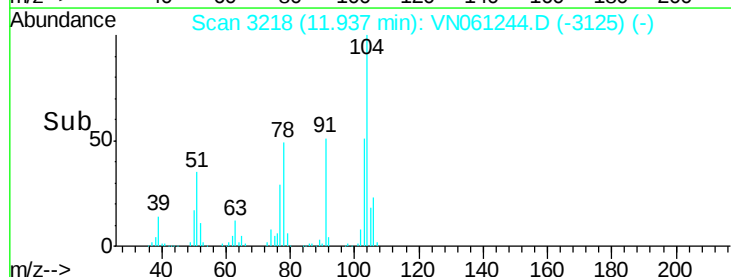
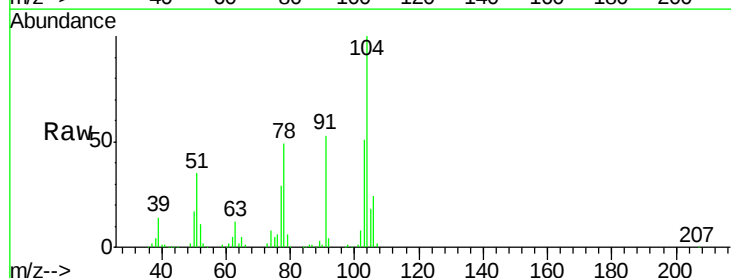
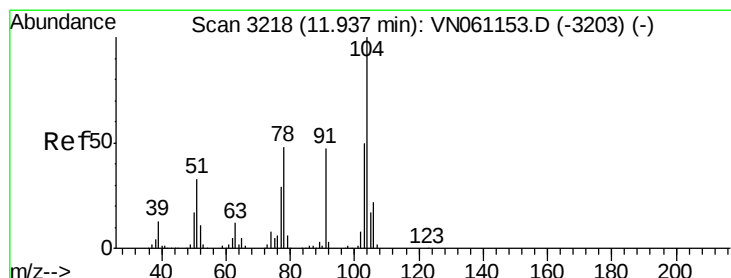
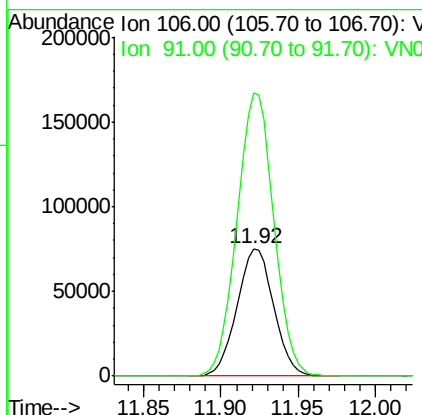
#69
o-Xylene
Concen: 51.561 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	123622		
91	224.3	109.7	329.0	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

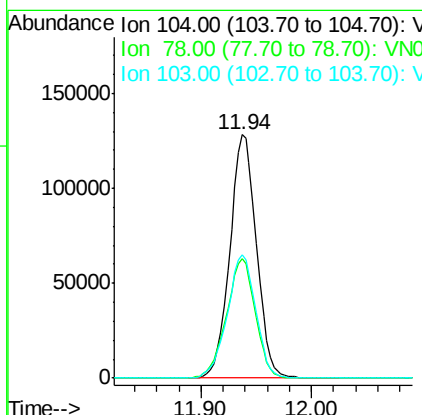
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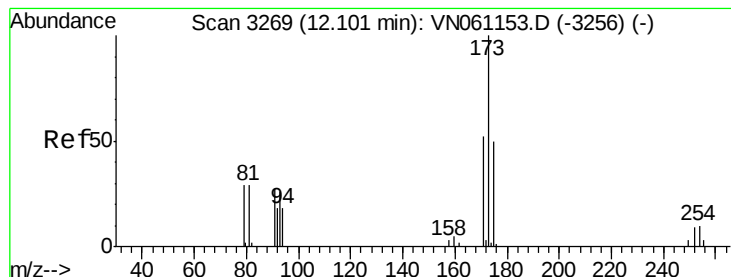
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#70
Styrene
Concen: 53.364 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	214139		
78	53.4	42.1	63.1	
103	54.4	43.3	64.9	





#71

Bromoform

Concen: 54.231 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 51964

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.4

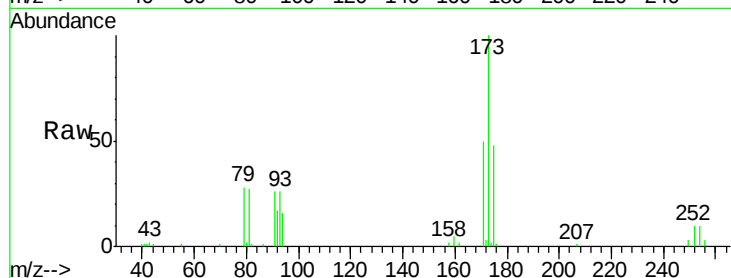
254 0.0 0.0 0.0

Manual Integrations

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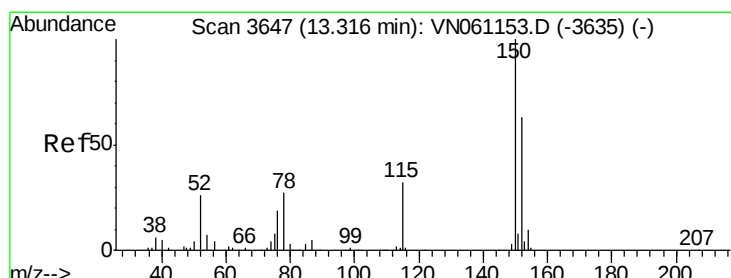
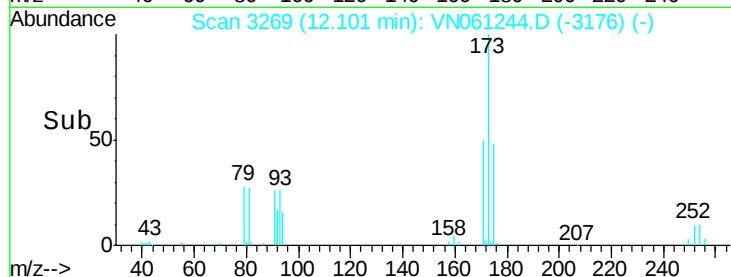
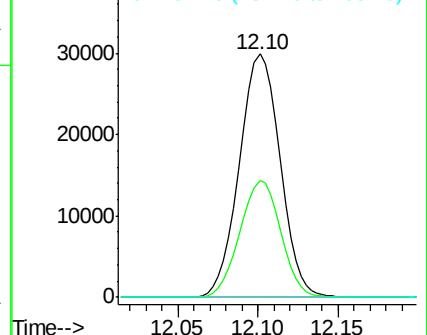
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

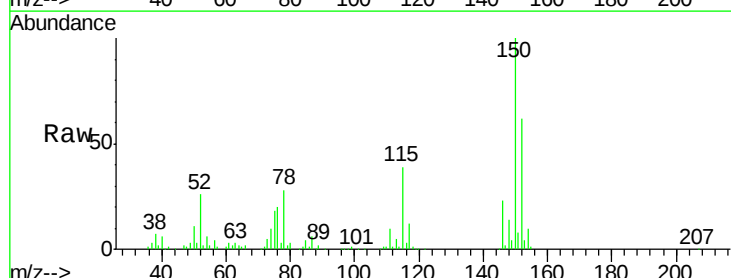
Tgt Ion:152 Resp: 87775

Ion Ratio Lower Upper

152 100

115 62.4 31.0 93.0

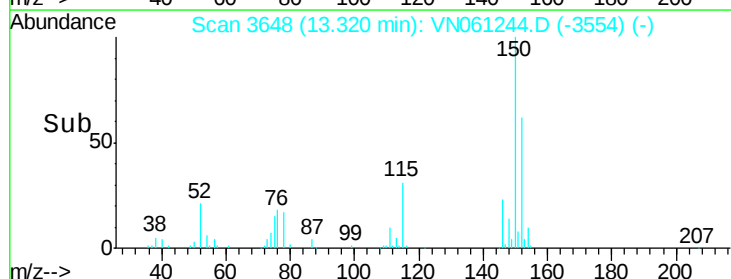
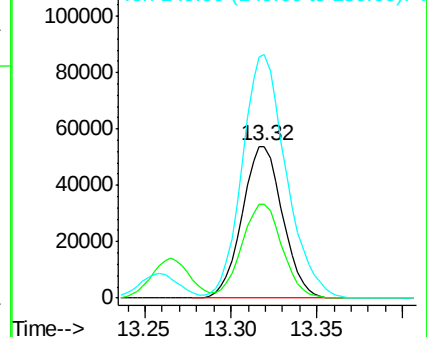
150 174.5 0.0 351.8



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: 52.749 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 340378

Ion Ratio Lower Upper

105 100

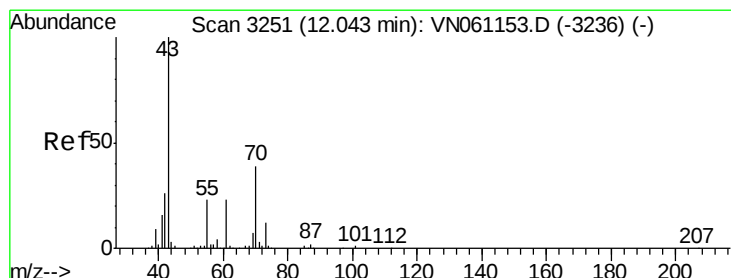
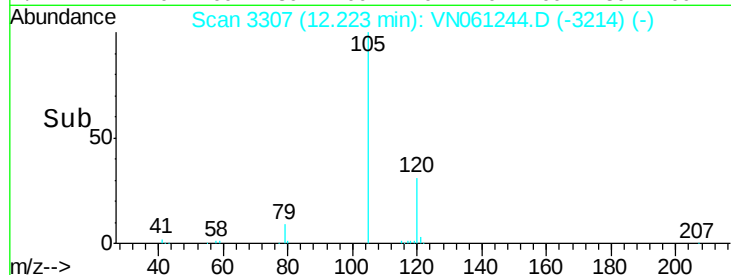
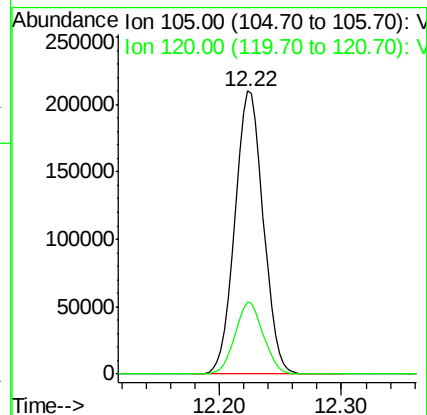
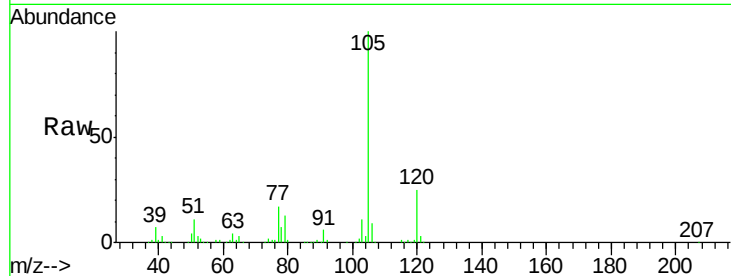
120 25.3 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 54.768 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Tgt Ion: 43 Resp: 178957

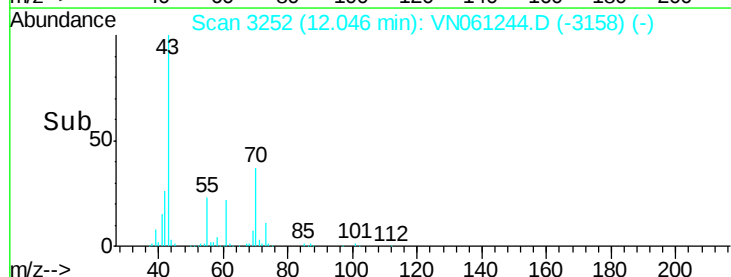
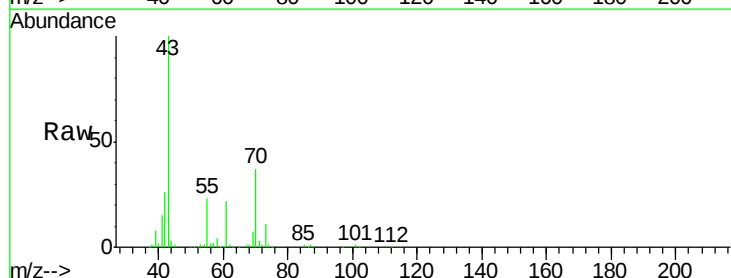
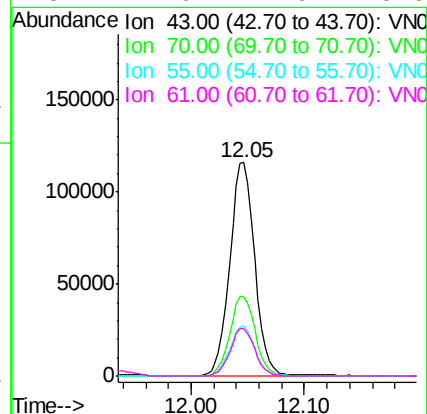
Ion Ratio Lower Upper

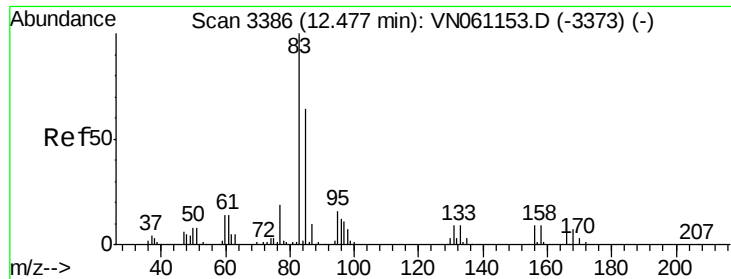
43 100

70 37.8 30.6 46.0

55 23.5 18.5 27.7

61 21.9 17.9 26.9





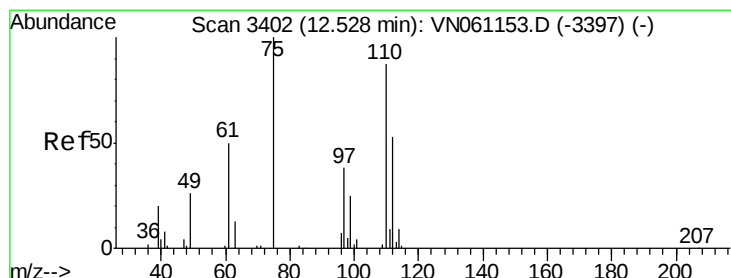
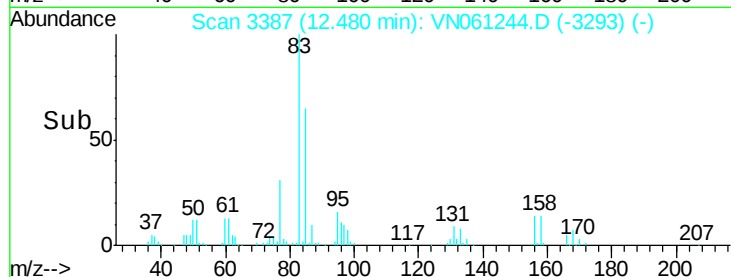
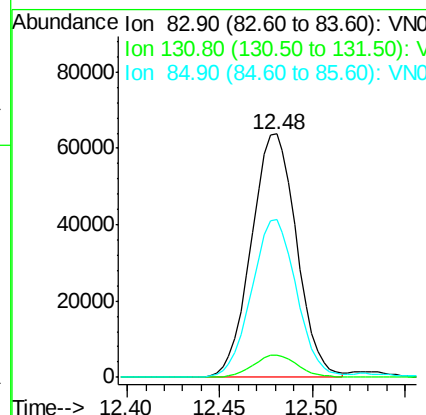
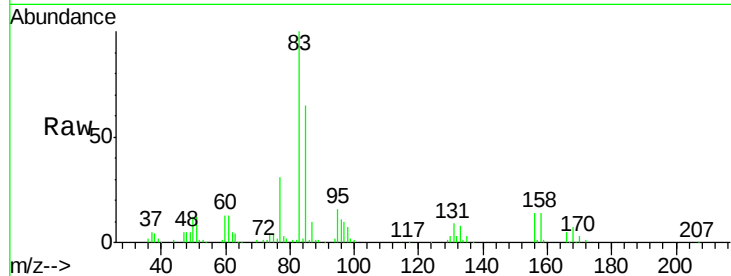
#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.939 ug/l
 RT: 12.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.3	4.8	14.3	
85	63.8	32.0	96.0	

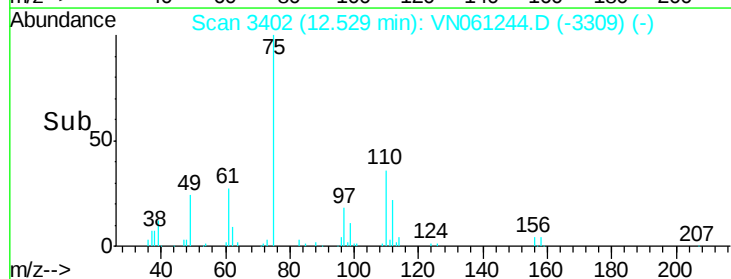
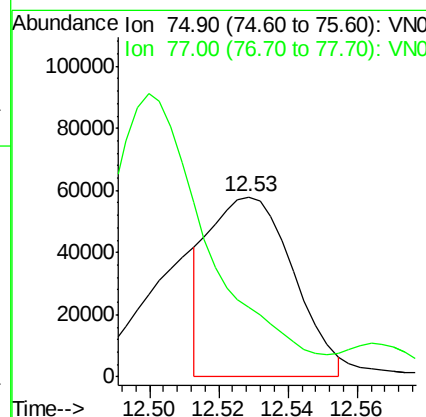
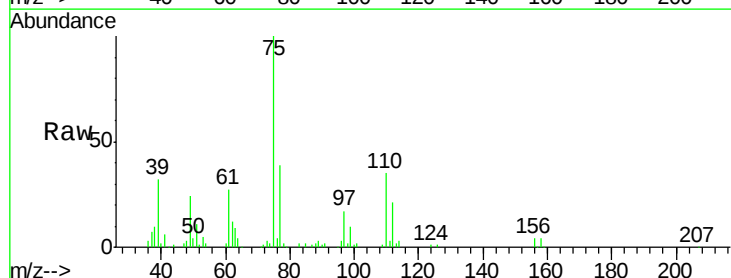
Manual Integrations
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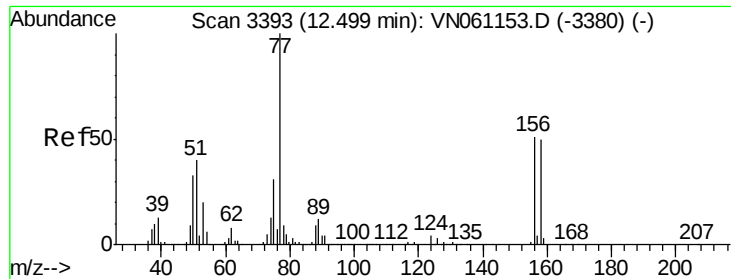
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#76
 1,2,3-Trichloropropane
 Concen: 52.837 ug/l m
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

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





#77

Bromobenzene

Concen: 51.776 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 77124

Ion Ratio Lower Upper

156 100

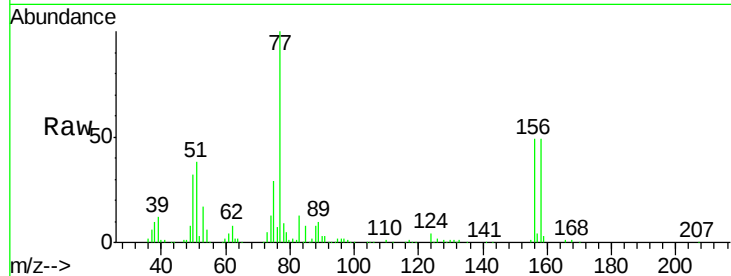
77 242.8 117.4 352.2

158 98.7 48.4 145.0

Manual Integrations
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MMDadoda

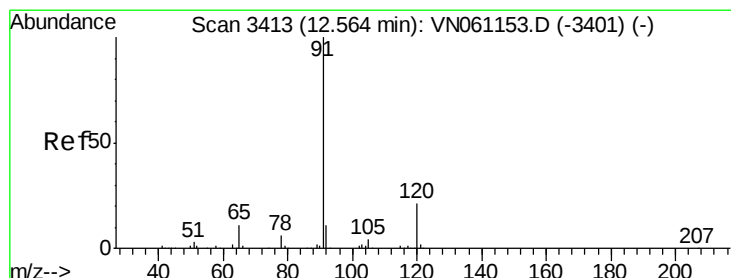
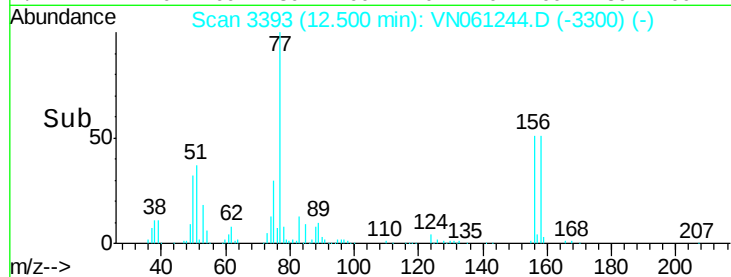
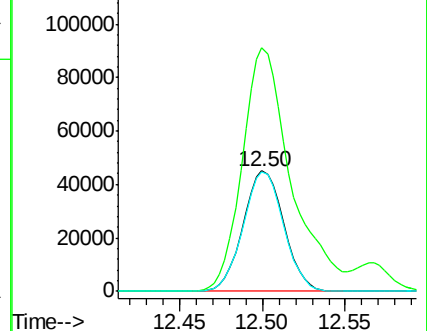
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.727 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061244.D

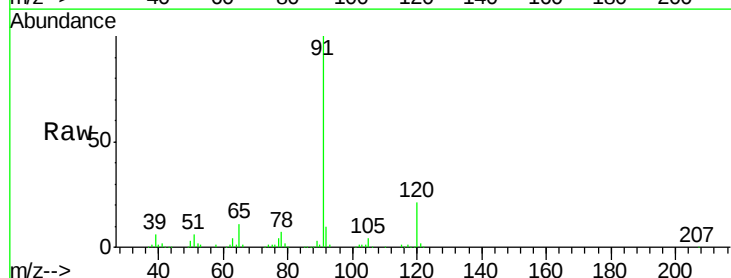
Acq: 1 May 2020 20:32

Tgt Ion: 91 Resp: 411209

Ion Ratio Lower Upper

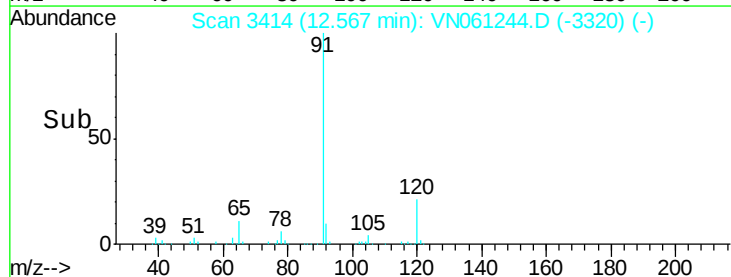
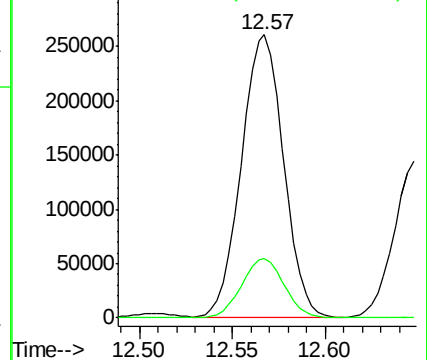
91 100

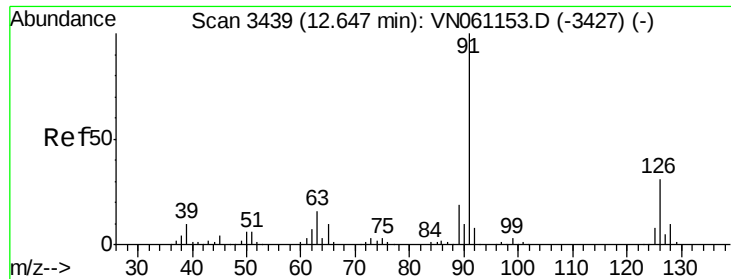
120 21.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.960 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 238247

Ion Ratio Lower Upper

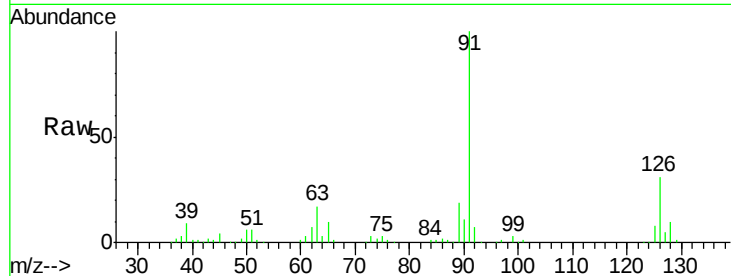
91 100

126 31.3 15.9 47.7

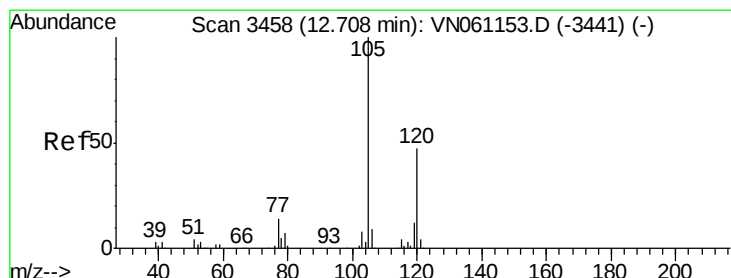
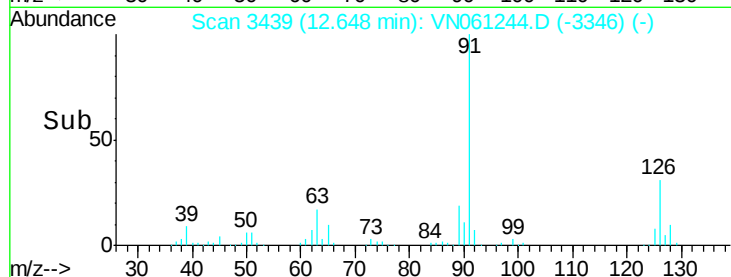
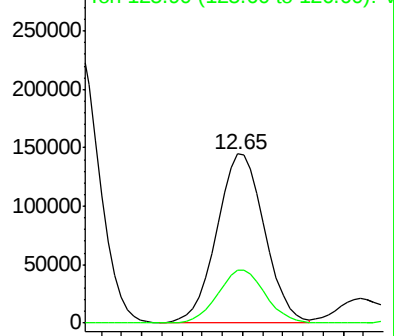
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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.921 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061244.D

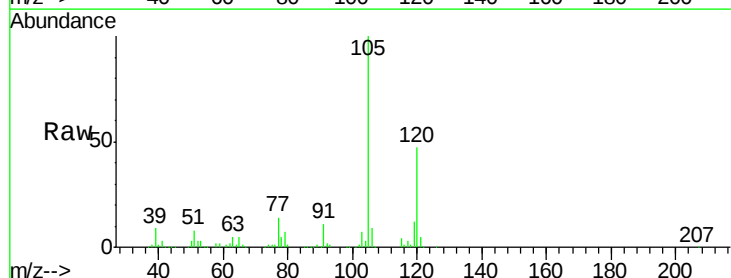
Acq: 1 May 2020 20:32

Tgt Ion: 105 Resp: 287976

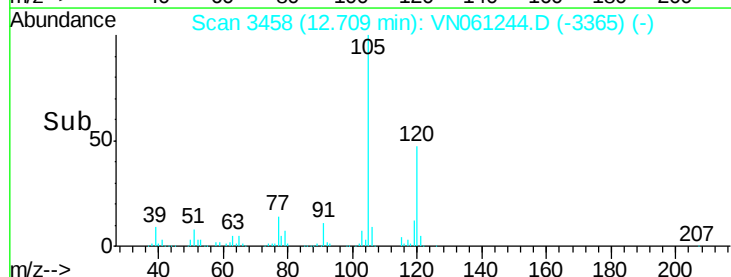
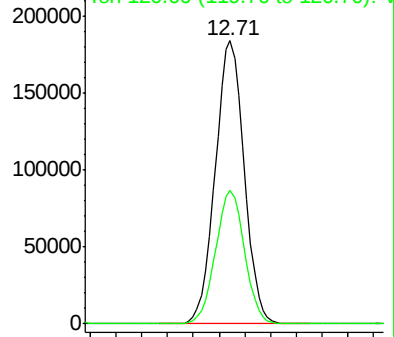
Ion Ratio Lower Upper

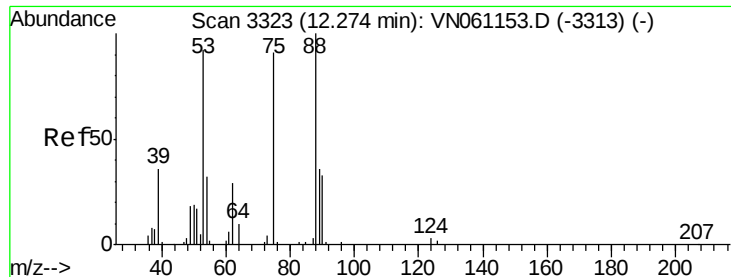
105 100

120 47.2 23.9 71.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 52.033 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

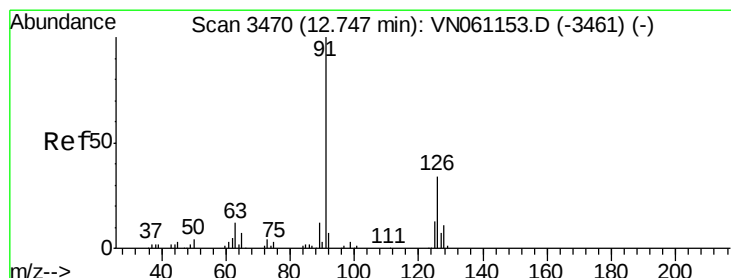
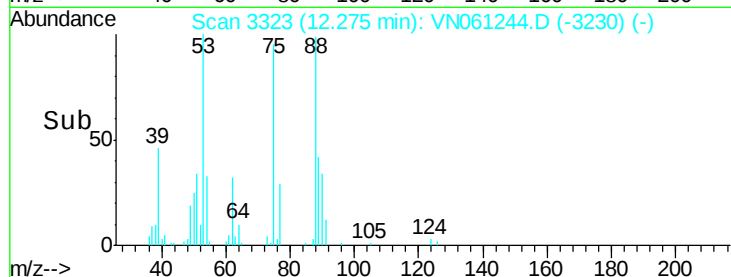
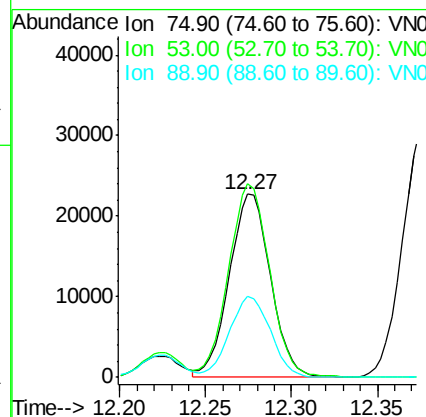
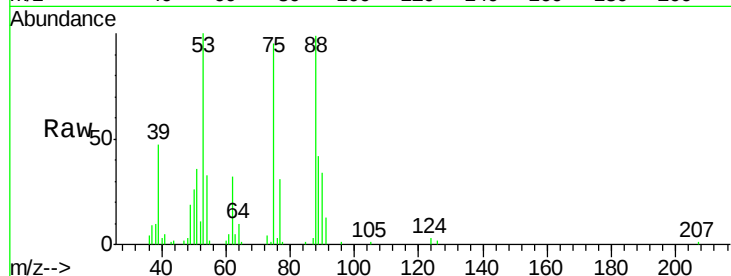
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	37917
Ion	Ratio	Lower	Upper
75	100		
53	105.2	84.1	126.1
89	43.8	35.2	52.8

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#82

4-Chlorotoluene

Concen: 52.737 ug/l

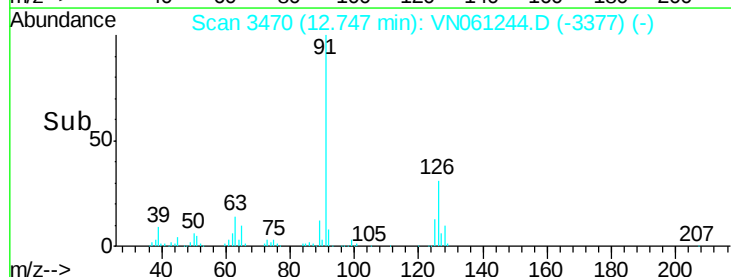
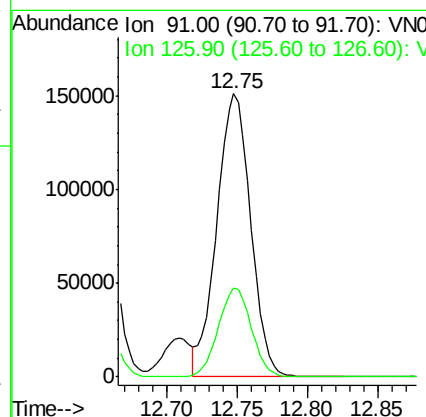
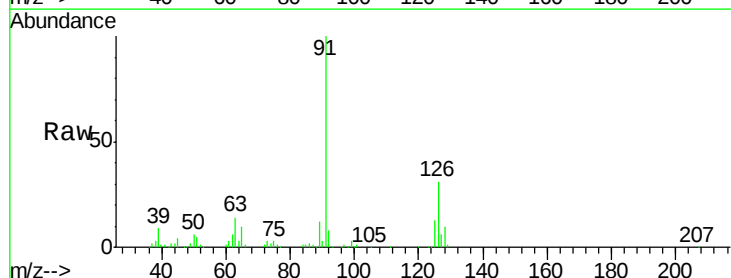
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Tgt Ion:	91	Resp:	250046
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1





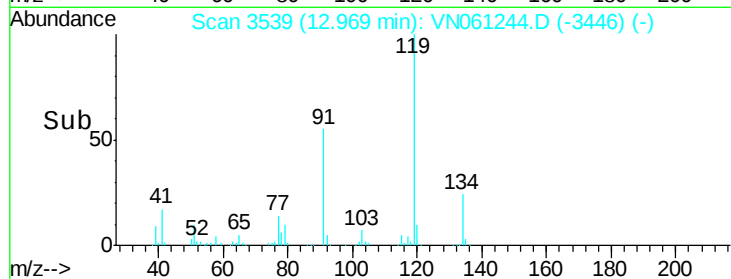
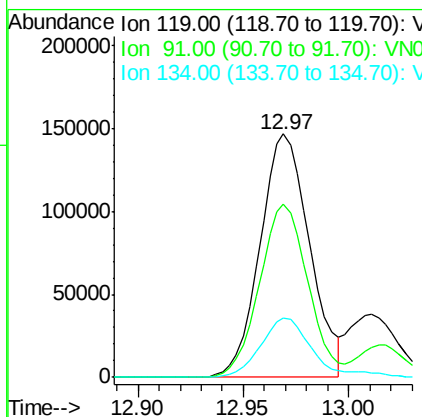
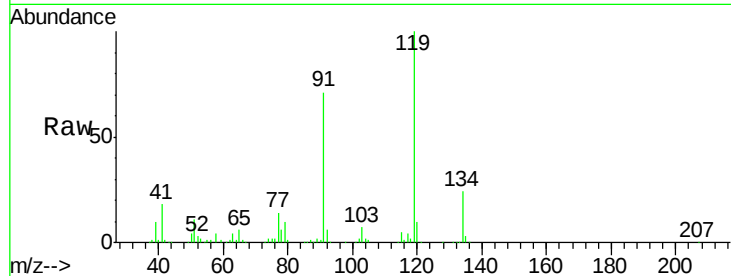
#83
 tert-Butylbenzene
 Concen: 53.280 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239936		
91	69.7	34.8	104.4	
134	25.5	12.9	38.7	

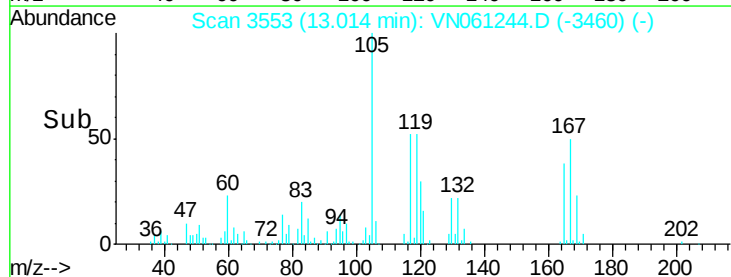
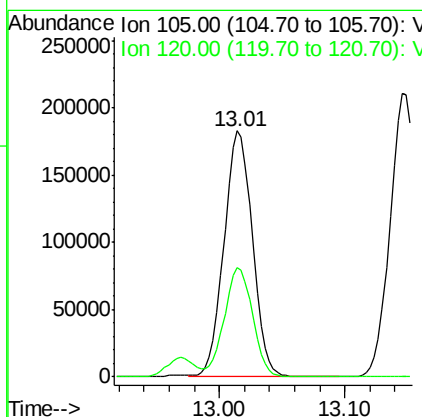
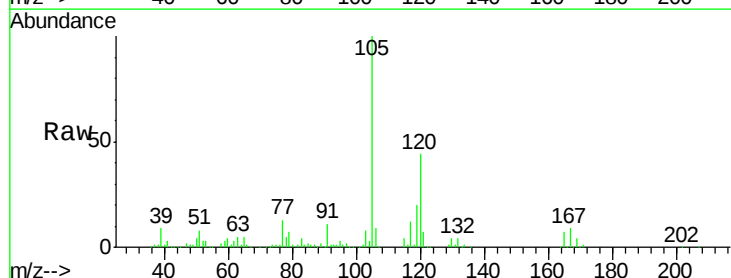
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.258 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	287545		
120	44.0	22.2	66.6	





#85

sec-Butylbenzene

Concen: 53.972 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 331375

Ion Ratio Lower Upper

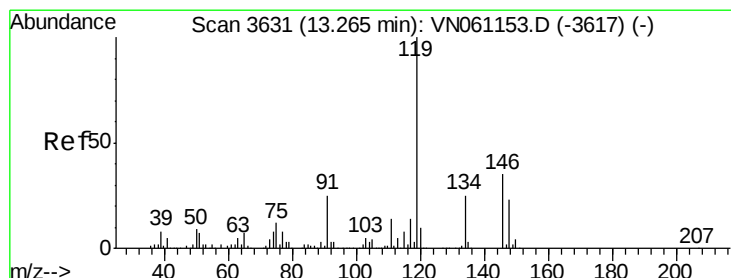
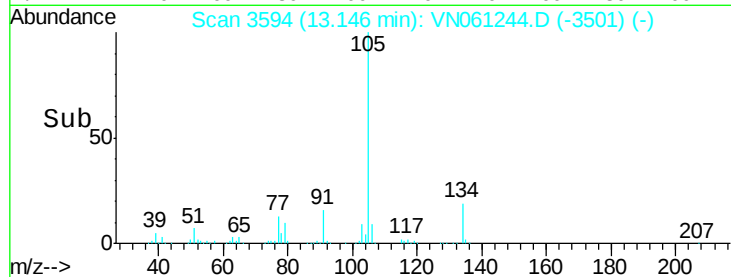
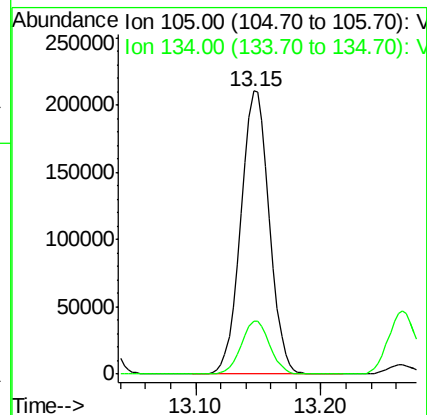
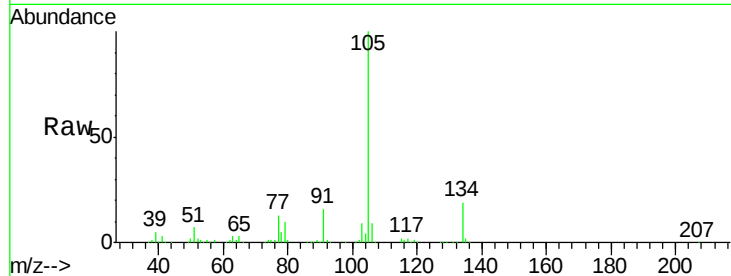
105 100

134 18.8 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 53.613 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061244.D

Acq: 1 May 2020 20:32

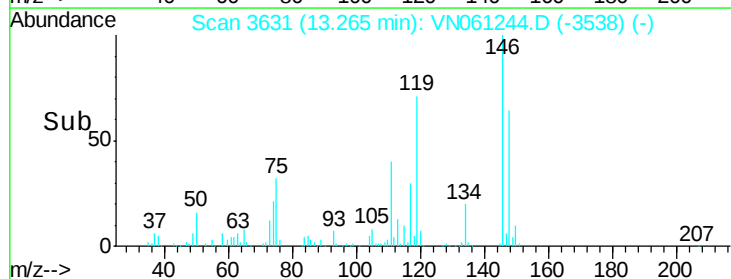
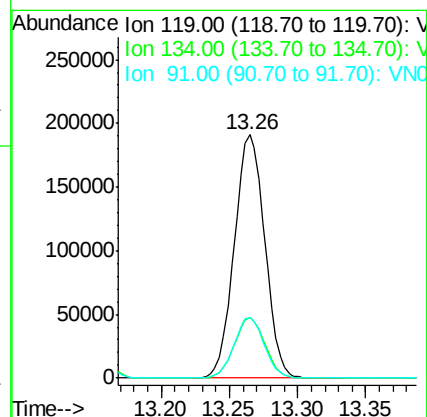
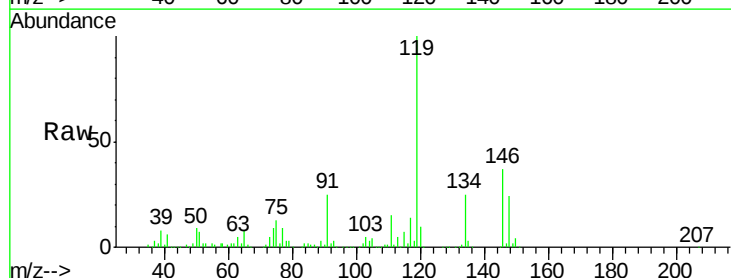
Tgt Ion:119 Resp: 296573

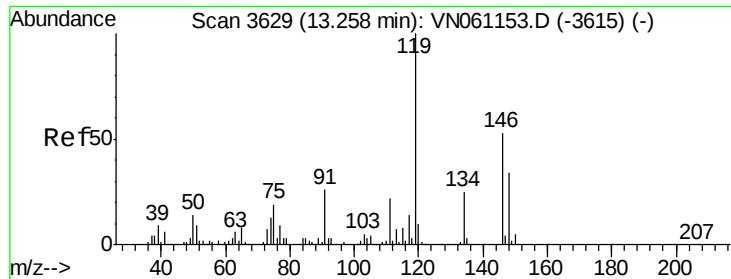
Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.6

91 24.8 12.7 38.0





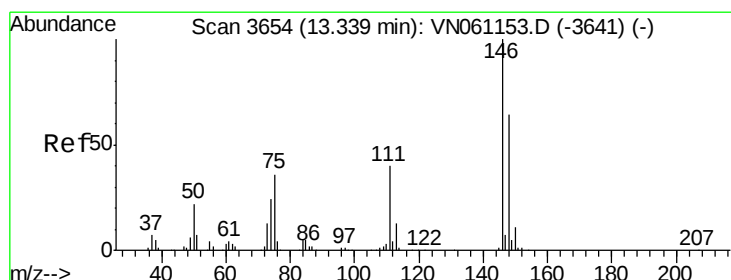
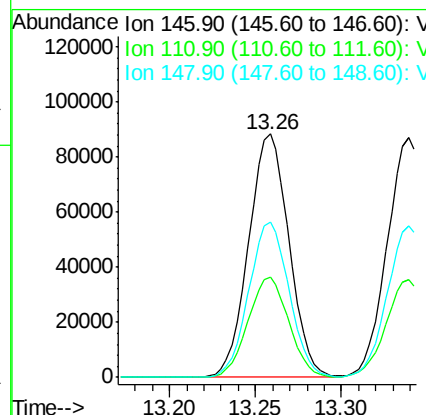
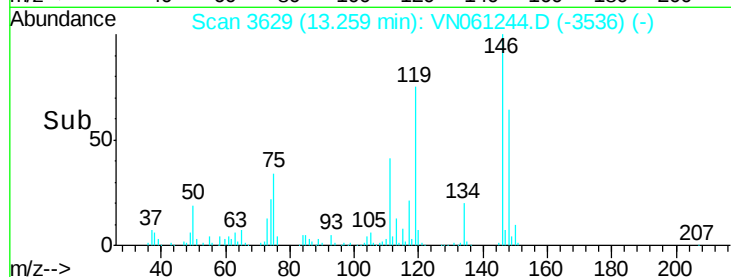
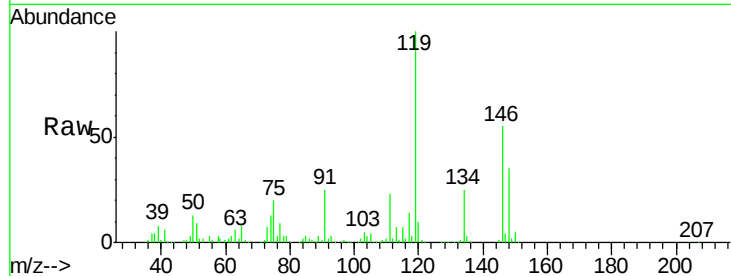
#87
 1,3-Dichlorobenzene
 Concen: 52.556 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	63.7	31.8	95.3

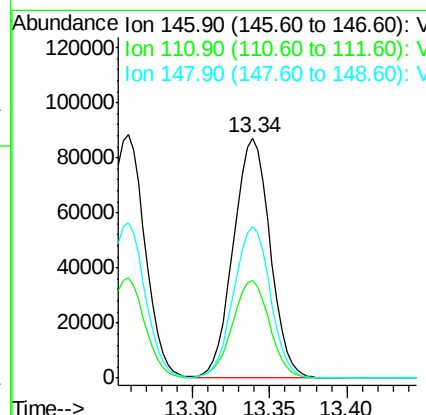
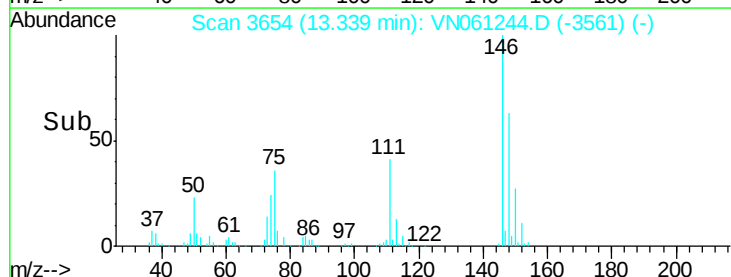
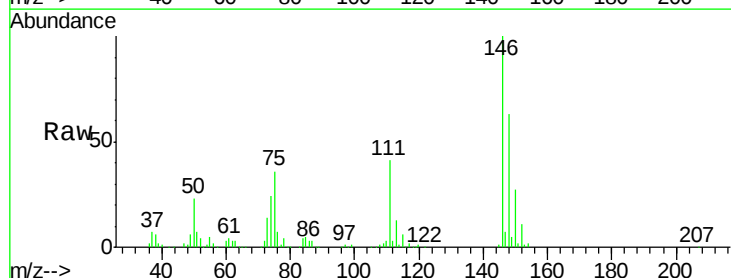
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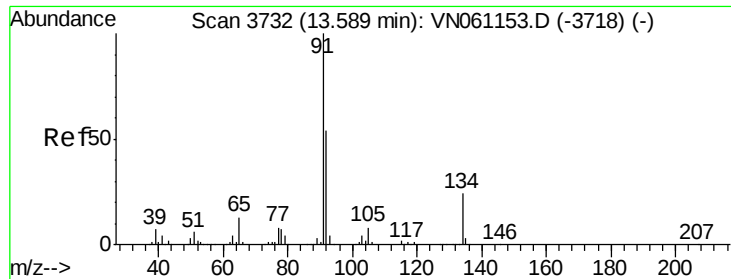
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#88
 1,4-Dichlorobenzene
 Concen: 51.322 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.3	31.9	95.7





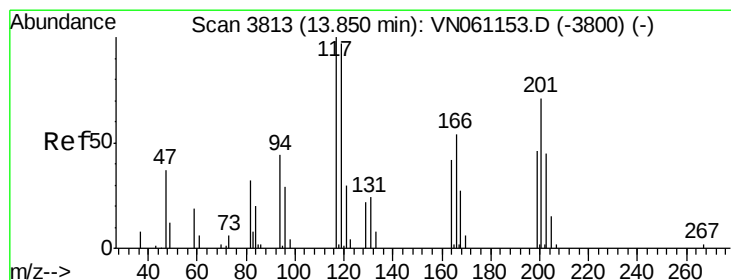
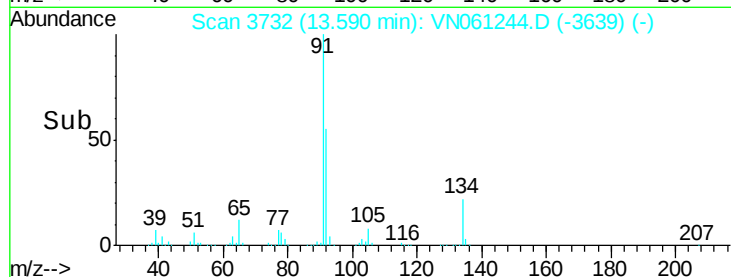
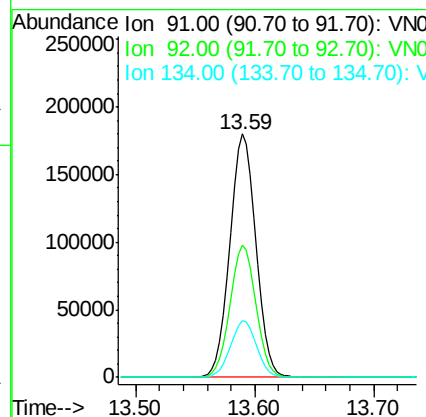
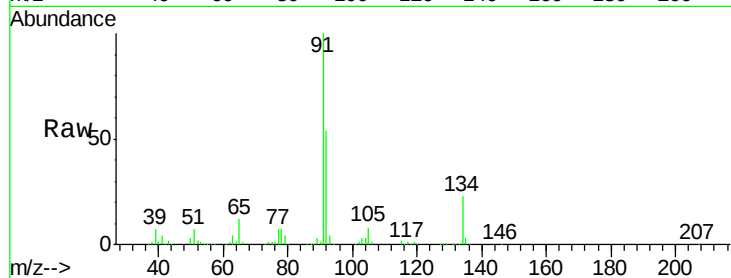
#89
n-Butylbenzene
Concen: 53.909 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.3
134	23.3	11.9	35.5

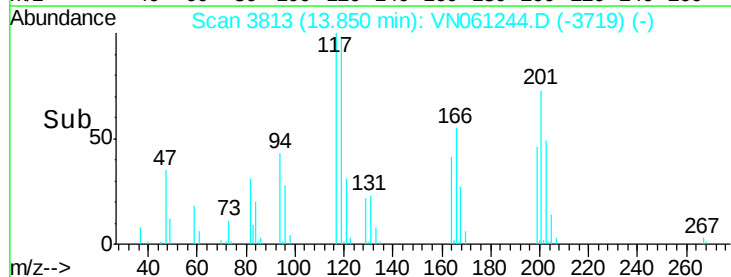
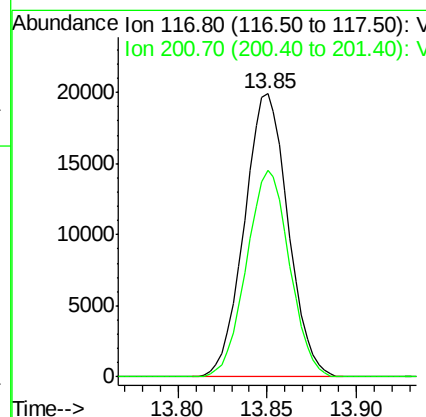
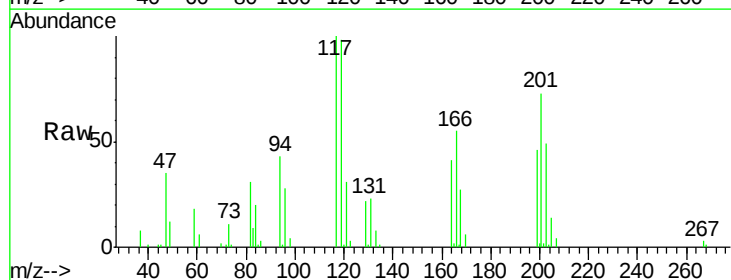
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#90
Hexachloroethane
Concen: 57.701 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	35.5	106.7





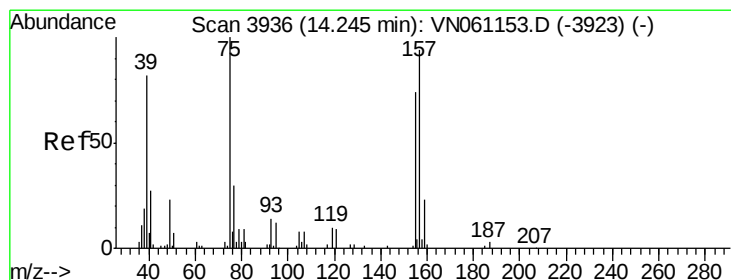
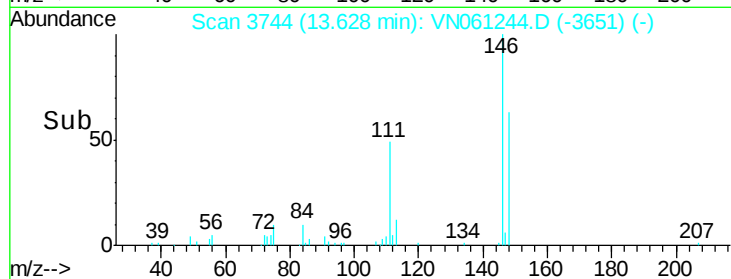
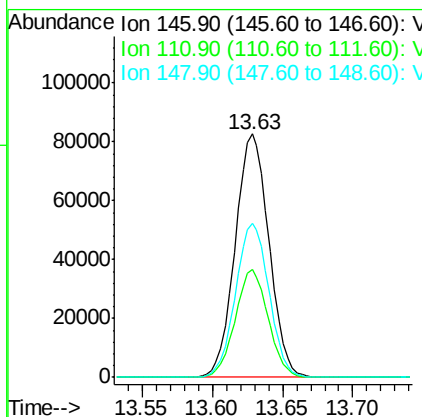
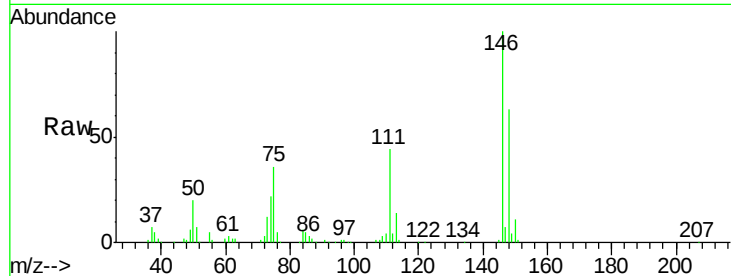
#91
 1,2-Dichlorobenzene
 Concen: 52.793 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	138810		
111	43.1	21.8	65.3	
148	62.7	31.6	95.0	

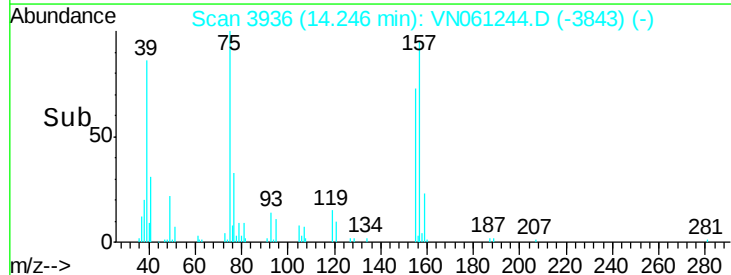
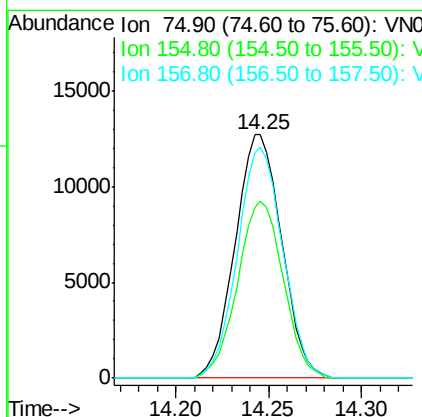
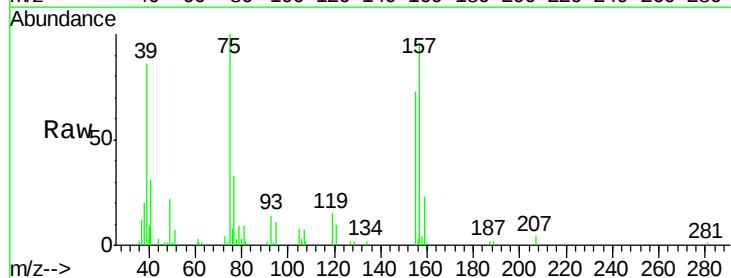
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.018 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22105		
155	71.3	36.5	109.7	
157	92.6	46.6	139.7	





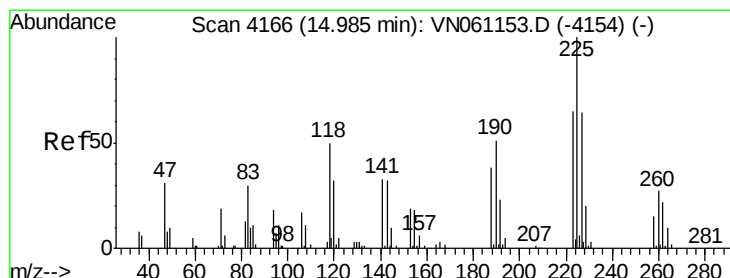
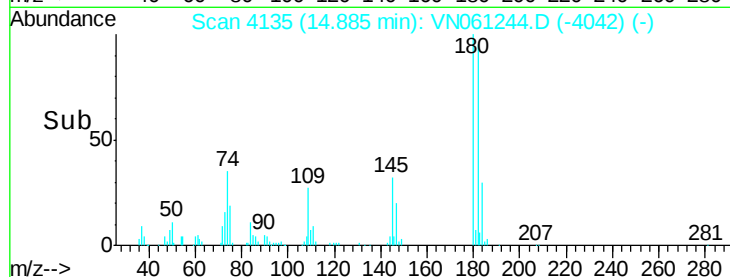
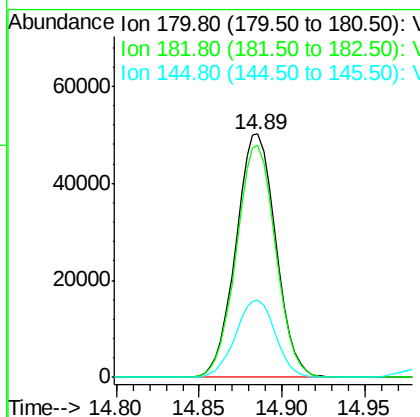
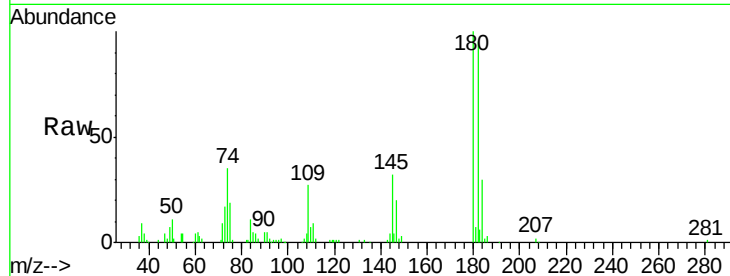
#93
 1,2,4-Trichlorobenzene
 Concen: 52.426 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	31.7	16.0	47.9

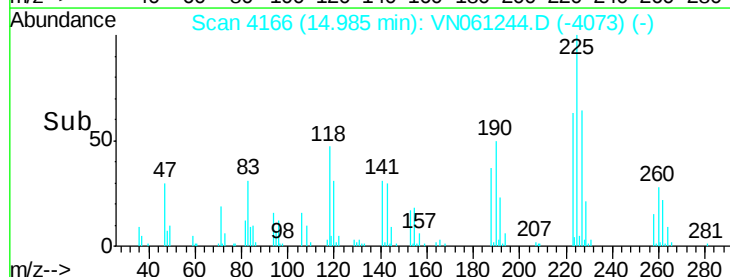
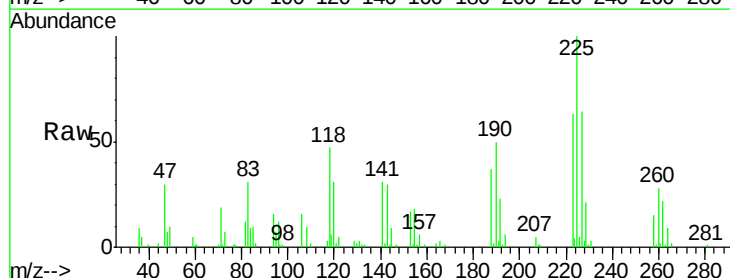
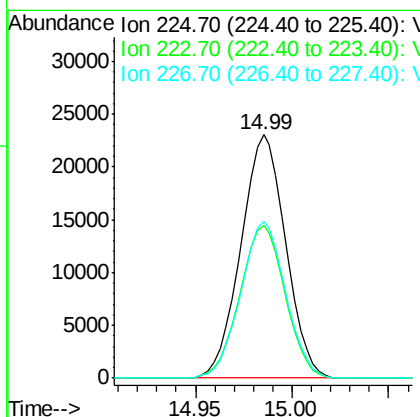
Manual Integrations
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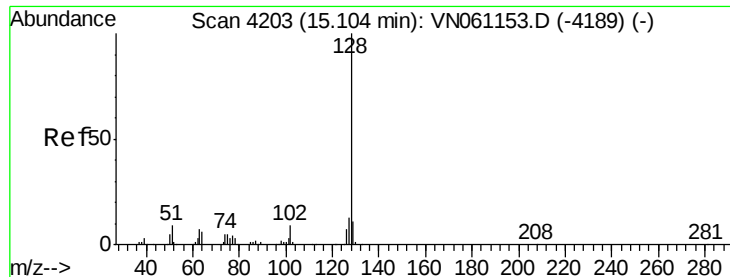
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#94
 Hexachlorobutadiene
 Concen: 55.382 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061244.D
 Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.4	97.0
227	64.4	32.4	97.0





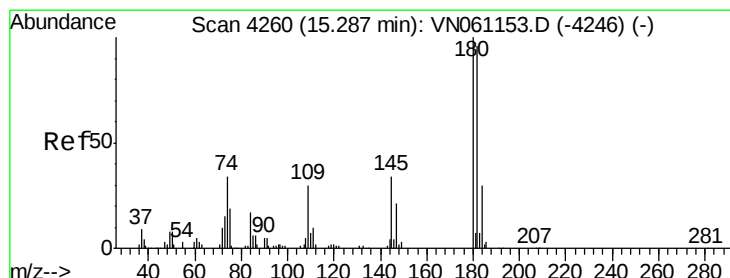
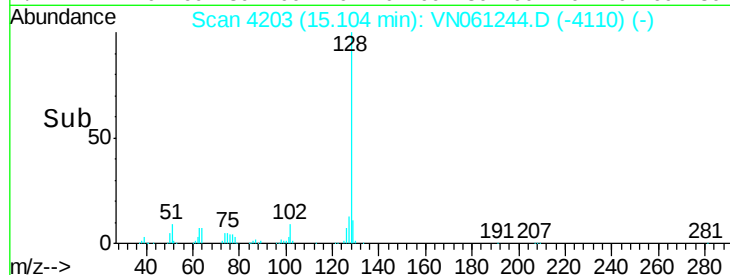
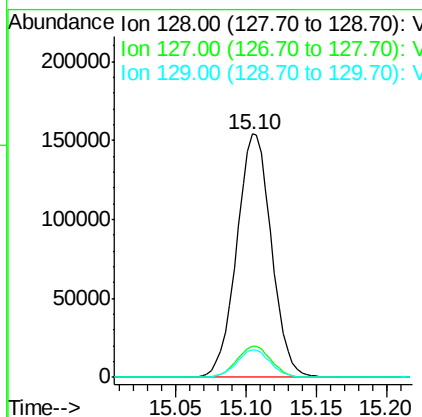
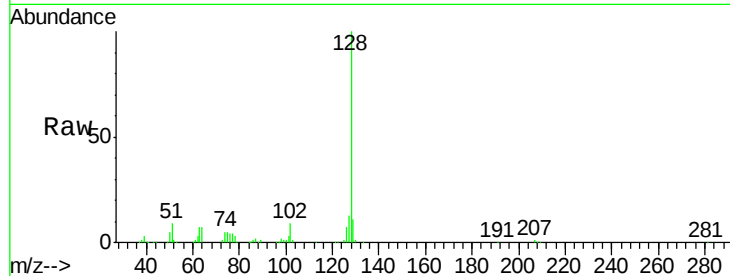
#95
Naphthalene
Concen: 51.011 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.565 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061244.D
Acq: 1 May 2020 20:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.5	142.5
145	33.5	16.9	50.7

