

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061223.D
 Acq On : 1 May 2020 12:15
 Operator : JC/MD
 Sample : VN0501WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:57:58 PM

Quant Time: May 04 01:38:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	125358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	212809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	193941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	94242	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.54	113	60927	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.06	98	261407	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.38	95	95395	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	23797	17.902	ug/l	98
3) Chloromethane	2.03	50	33310	20.690	ug/l	99
4) Vinyl Chloride	2.16	62	32307	17.667	ug/l	100
5) Bromomethane	2.54	94	13674	15.128	ug/l	99
6) Chloroethane	2.67	64	19050	16.436	ug/l	98
7) Trichlorofluoromethane	2.98	101	39568	19.179	ug/l	95
8) Diethyl Ether	3.37	74	17773	20.654	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	25319	19.050	ug/l	99
10) Methyl Iodide	3.91	142	30031	17.582	ug/l	97
11) Tert butyl alcohol	4.72	59	22917	86.248	ug/l	97
12) 1,1-Dichloroethene	3.70	96	24667	18.650	ug/l	95
13) Acrolein	3.56	56	13295	75.083	ug/l	96
14) Allyl chloride	4.27	41	54930	22.399	ug/l	91
15) Acrylonitrile	4.92	53	80153	98.267	ug/l	98
16) Acetone	3.77	43	69792	87.384	ug/l	96
17) Carbon Disulfide	4.01	76	66301	18.147	ug/l	99
18) Methyl Acetate	4.27	43	43790	17.930	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	89902	17.789	ug/l	99
20) Methylene Chloride	4.50	84	29093	18.810	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	26390	18.324	ug/l	94
22) Diisopropyl ether	5.90	45	112144	19.720	ug/l	99
23) Vinyl Acetate	5.84	43	431212	94.172	ug/l	99
24) 1,1-Dichloroethane	5.79	63	55687	18.742	ug/l	99
25) 2-Butanone	6.78	43	105754	90.101	ug/l	100
26) 2,2-Dichloropropane	6.78	77	45956	18.363	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	30390	17.981	ug/l	98
28) Bromochloromethane	7.15	49	30047	21.335	ug/l	94
29) Tetrahydrofuran	7.16	42	72272	91.408	ug/l	97
30) Chloroform	7.33	83	52638	17.481	ug/l	99
31) Cyclohexane	7.61	56	51344	17.793	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	43576	16.619	ug/l	99
36) 1,1-Dichloropropene	7.75	75	39202	18.402	ug/l	99
37) Ethyl Acetate	6.88	43	46808	18.742	ug/l	100
38) Carbon Tetrachloride	7.73	117	31018	17.515	ug/l	98

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 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)
39) Methylcyclohexane	9.05	83	43411	18.171	ug/l	97
40) Benzene	8.00	78	118345	18.647	ug/l	100
41) Methacrylonitrile	7.12	41	20617	19.883	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	43413	18.056	ug/l	100
43) Isopropyl Acetate	8.12	43	75652	18.252	ug/l	99
44) Trichloroethene	8.80	130	29294	17.074	ug/l	99
45) 1,2-Dichloropropane	9.08	63	32585	19.217	ug/l	99
46) Dibromomethane	9.17	93	18963	18.062	ug/l	97
47) Bromodichloromethane	9.37	83	40396	17.927	ug/l	99
48) Methyl methacrylate	9.17	41	33025	17.657	ug/l	99
49) 1,4-Dioxane	9.17	88	7389	348.034	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	223528	91.622	ug/l	99
52) Toluene	10.12	92	70211	18.366	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	45754	18.020	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	49044	18.270	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	27173	17.820	ug/l	98
56) Ethyl methacrylate	10.40	69	41419	17.465	ug/l	96
57) 1,3-Dichloropropane	10.68	76	50144	18.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	115638	93.690	ug/l	97
59) 2-Hexanone	10.72	43	157922	88.974	ug/l	100
60) Dibromochloromethane	10.87	129	27422	17.171	ug/l	98
61) 1,2-Dibromoethane	10.98	107	27626	18.076	ug/l	99
64) Tetrachloroethene	10.60	164	29528	17.579	ug/l	98
65) Chlorobenzene	11.41	112	70456	18.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	25182	18.289	ug/l	98
67) Ethyl Benzene	11.49	91	132682	18.423	ug/l	98
68) m/p-Xylenes	11.60	106	96225	36.503	ug/l	97
69) o-Xylene	11.92	106	45317	17.897	ug/l	97
70) Styrene	11.94	104	75606	17.840	ug/l	99
71) Bromoform	12.10	173	17999	17.786	ug/l #	97
73) Isopropylbenzene	12.22	105	123696	18.593	ug/l	99
74) N-amyl acetate	12.05	43	60079	17.833	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	39210	18.901	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	35660m	18.690	ug/l	
77) Bromobenzene	12.50	156	28414	18.501	ug/l	98
78) n-propylbenzene	12.57	91	148463	18.814	ug/l	100
79) 2-Chlorotoluene	12.65	91	87953	18.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	105216	19.108	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	13397	17.831	ug/l	100
82) 4-Chlorotoluene	12.75	91	90431	18.499	ug/l	99
83) tert-Butylbenzene	12.97	119	84993	18.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	104532	18.426	ug/l	99
85) sec-Butylbenzene	13.15	105	118382	18.701	ug/l	99
86) p-Isopropyltoluene	13.26	119	105648	18.524	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	51686	18.281	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	52179	18.063	ug/l	98
89) n-Butylbenzene	13.59	91	96038	18.368	ug/l	99
90) Hexachloroethane	13.85	117	10709	22.882	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	50349	18.573	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7686	17.543	ug/l	97

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Instrument :
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ClientSampleId :
VN0501WBS01

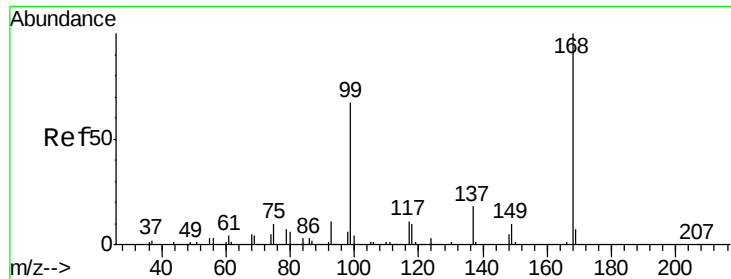
Manual Integrations
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5/4/2020 2:57:58 PM

Quant Time: May 04 01:38:40 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)
93) 1,2,4-Trichlorobenzene	14.89	180	29214	17.697	ug/l	98
94) Hexachlorobutadiene	14.98	225	13638	19.775	ug/l	98
95) Naphthalene	15.11	128	86697	16.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	28920	17.744	ug/l	99

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



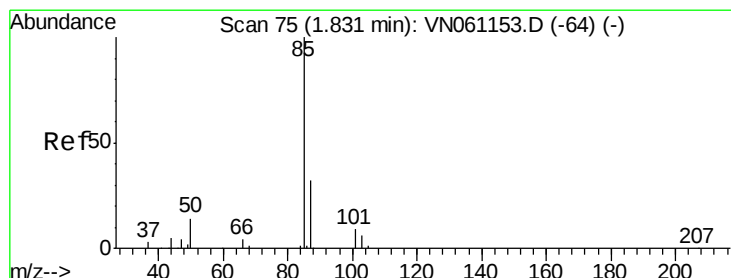
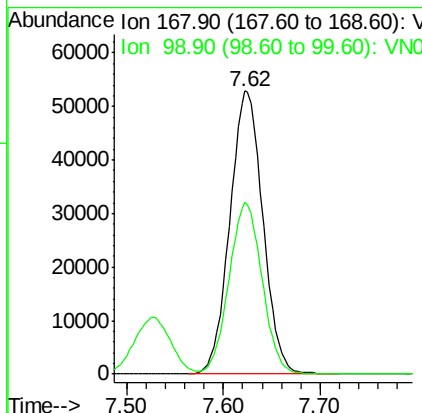
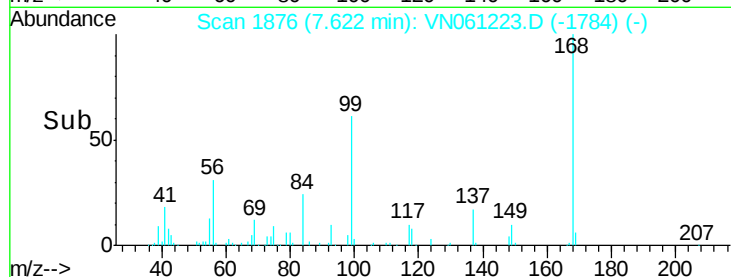
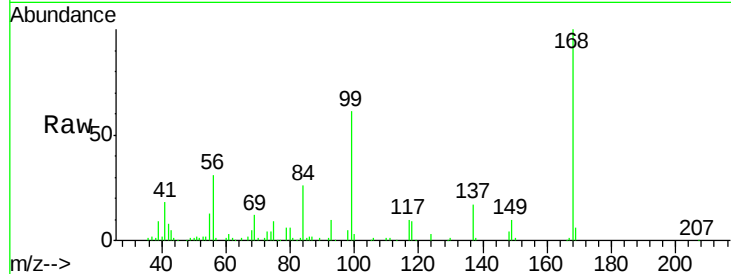
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		125358		
99	60.6	51.2	76.8		

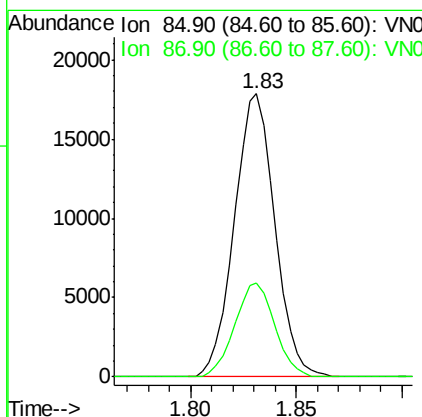
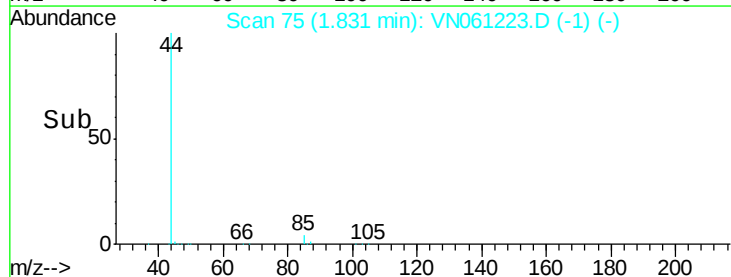
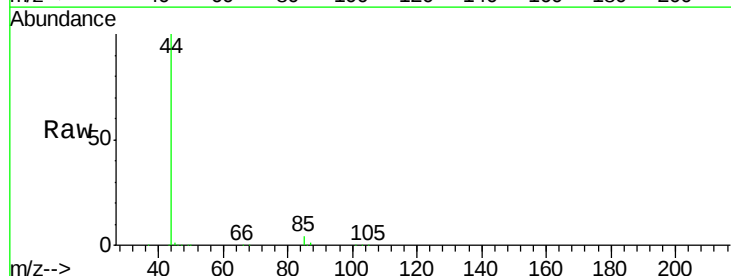
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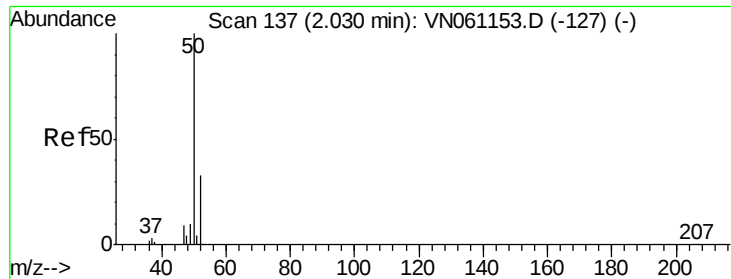
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#2
 Dichlorodifluoromethane
 Concen: 17.902 ug/l
 RT: 1.83 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		23797		
87	33.4	16.1	48.2		





#3

Chloromethane

Concen: 20.690 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 50 Resp: 33310

Ion Ratio Lower Upper

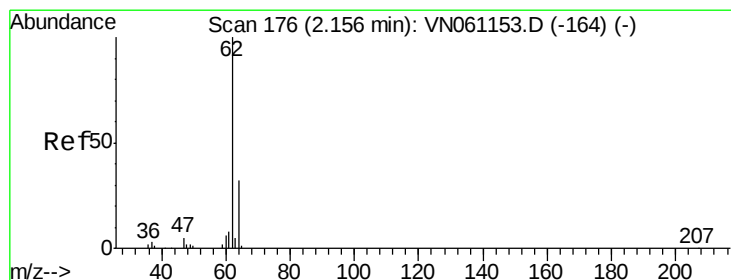
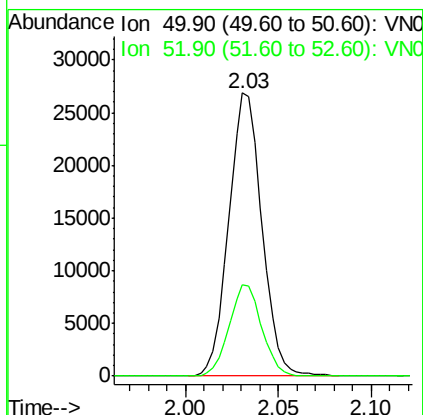
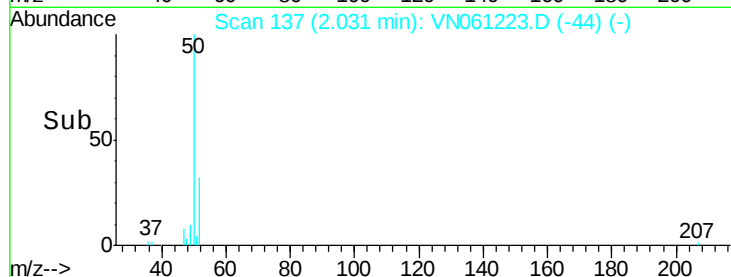
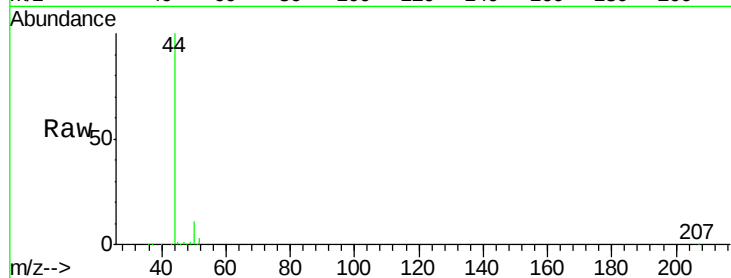
50 100

52 32.2 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.667 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061223.D

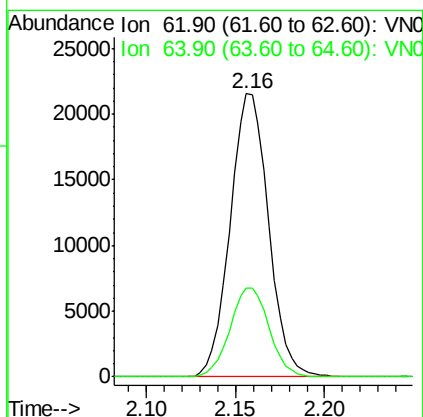
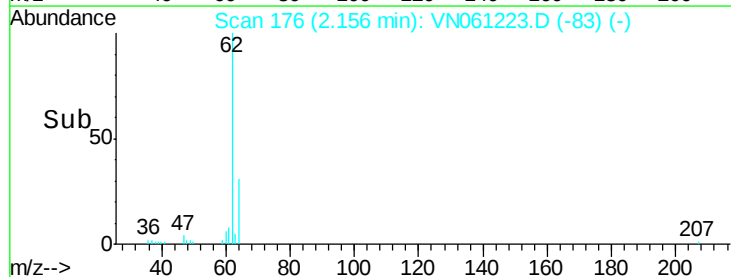
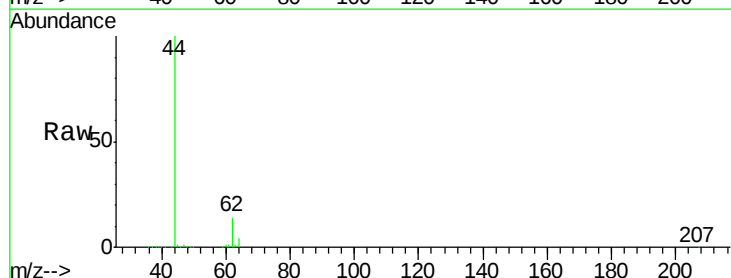
Acq: 1 May 2020 12:15

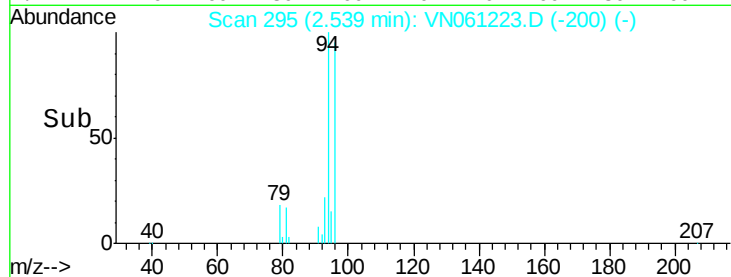
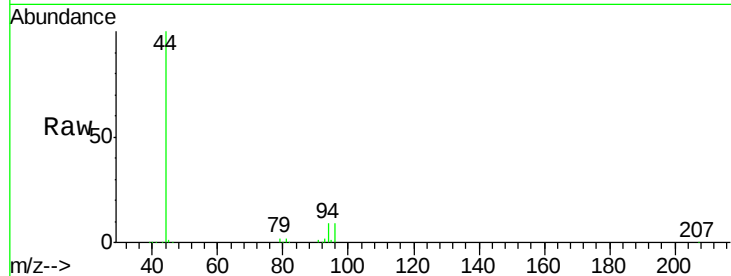
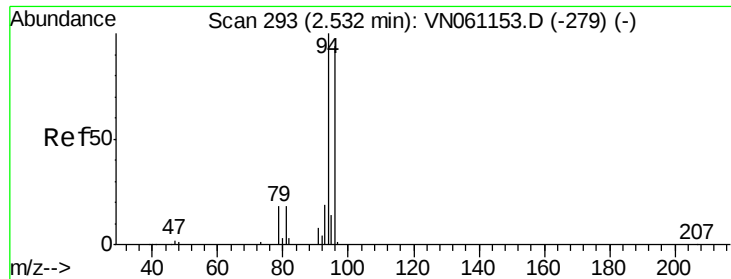
Tgt Ion: 62 Resp: 32307

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





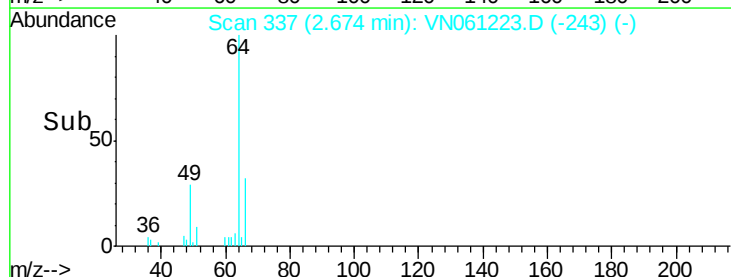
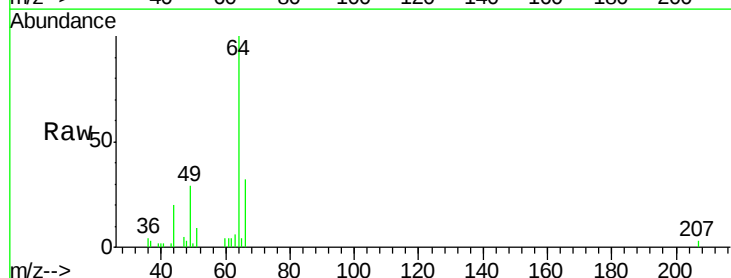
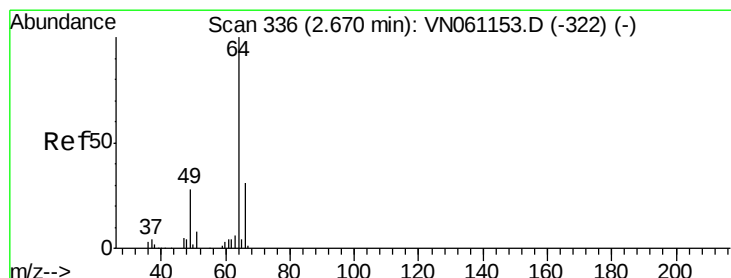
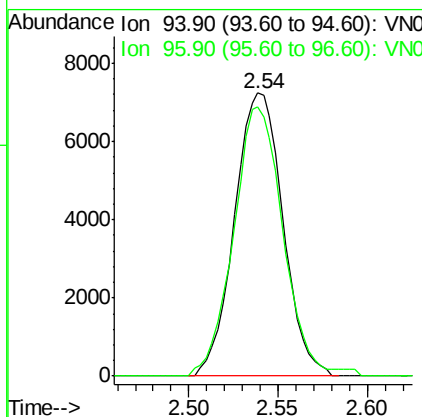
#5
Bromomethane
Concen: 15.128 ug/l
RT: 2.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tot Ion: 94 Resp: 13674
Ion Ratio Lower Upper
94 100
96 95.3 75.1 112.7

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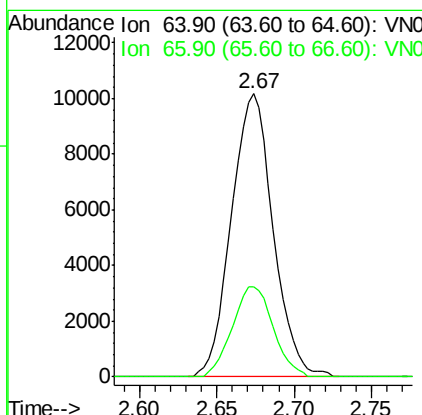
Manual Integrations
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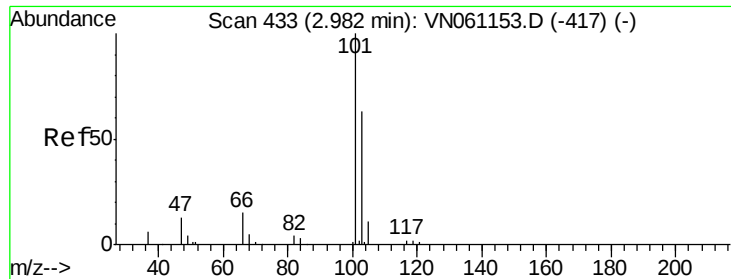
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#6
Chloroethane
Concen: 16.436 ug/l
RT: 2.67 min Scan# 337
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 64 Resp: 19050
Ion Ratio Lower Upper
64 100
66 32.0 24.6 36.8





#7

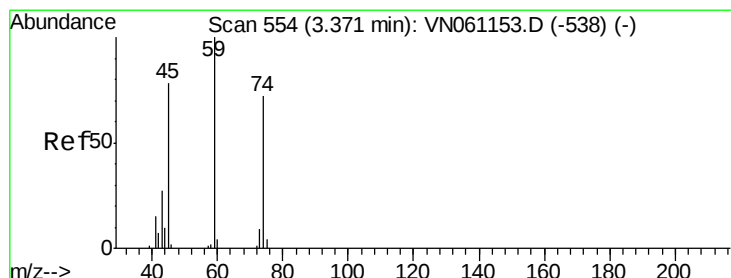
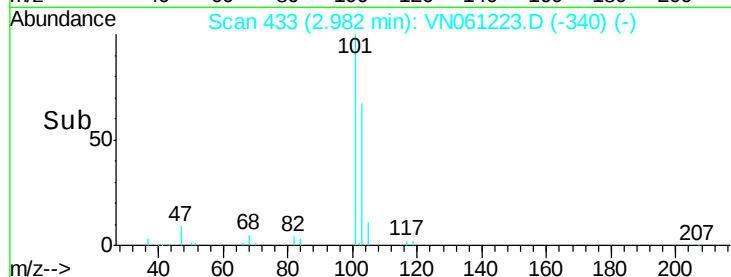
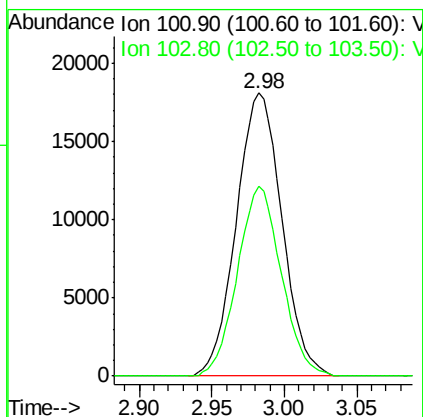
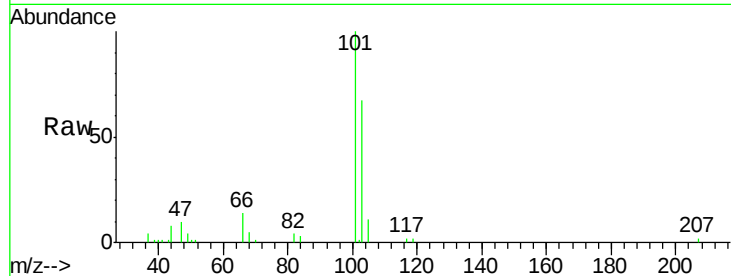
Trichlorofluoromethane
Concen: 19.179 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	50.6	76.0

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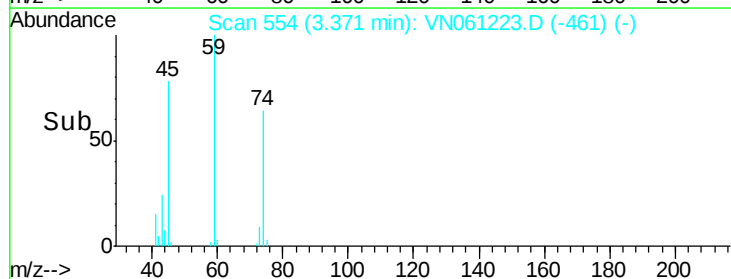
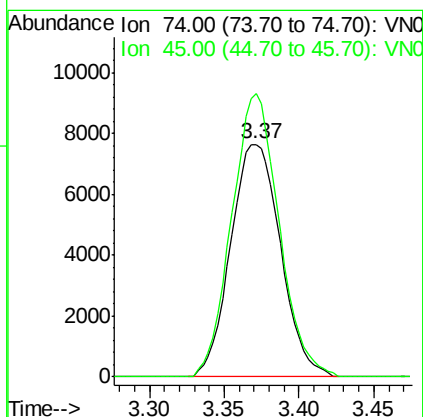
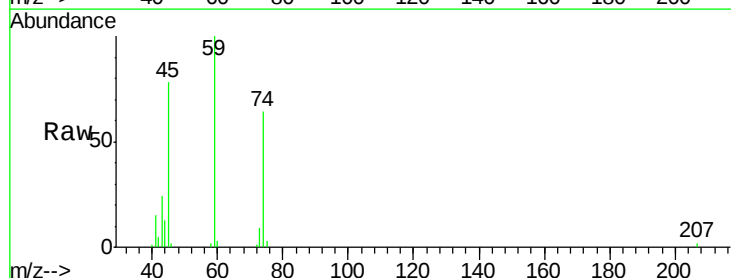
MMDadoda
5/4/2020 2:57:58 PM

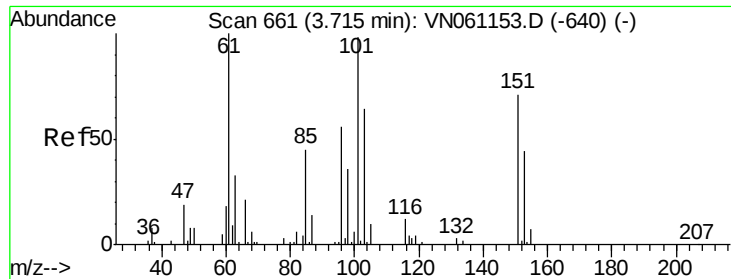


#8

Diethyl Ether
Concen: 20.654 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.4	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.050 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

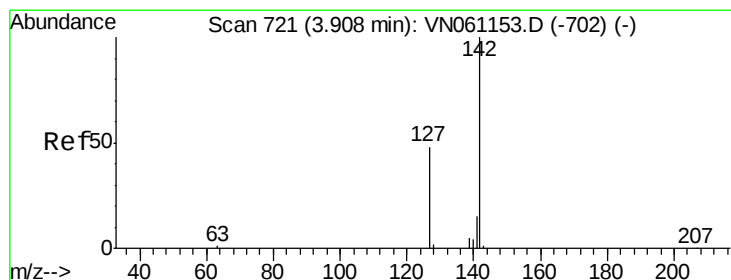
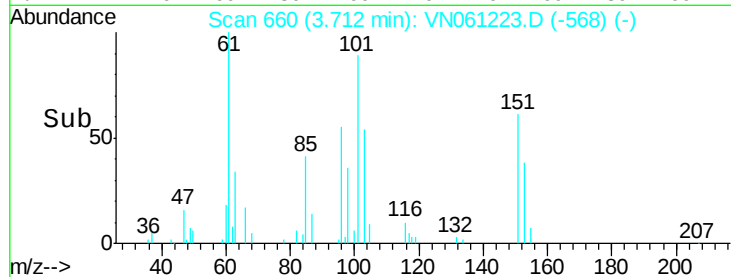
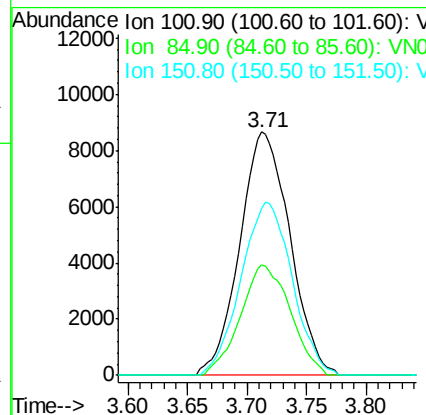
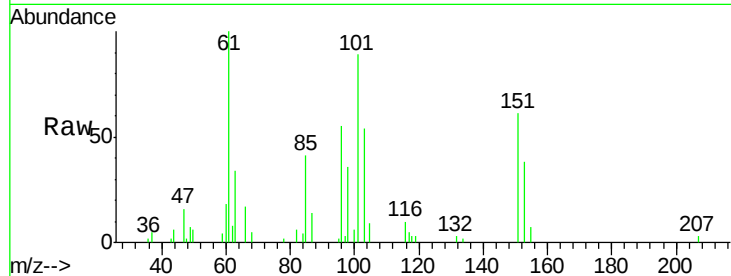
ClientSampleId :

VN0501WBS01

Tot Ion:	101	Resp:	25319
Ion Ratio	Lower	Upper	
101	100		
85	45.2	37.2	55.8
151	72.4	57.7	86.5

Manual Integrations
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5/4/2020 2:57:58 PM



#10

Methyl Iodide

Concen: 17.582 ug/l

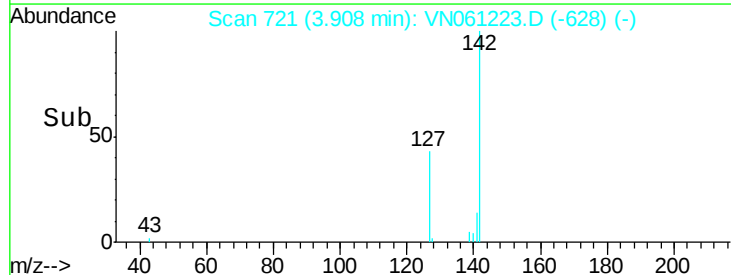
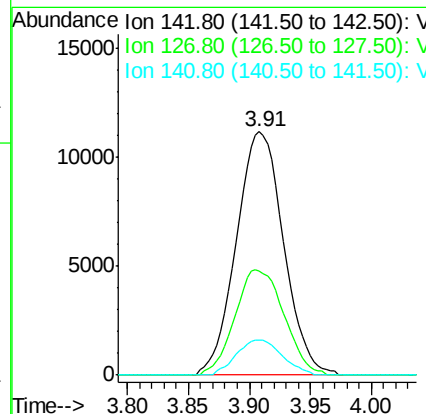
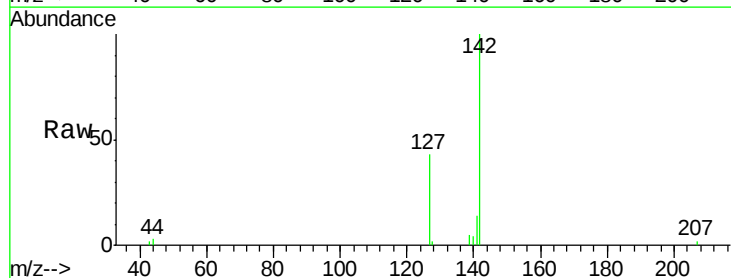
RT: 3.91 min Scan# 721

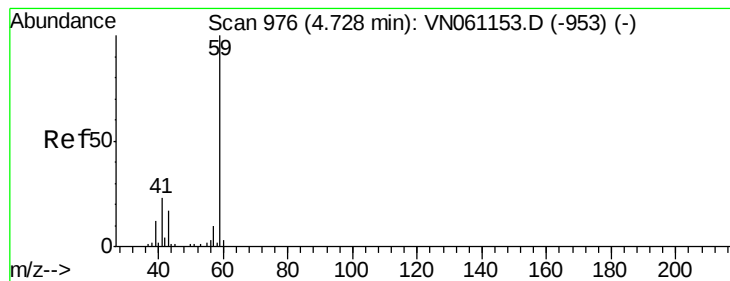
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	142	Resp:	30031
Ion Ratio	Lower	Upper	
142	100		
127	44.9	38.0	57.0
141	14.0	11.7	17.5





#11

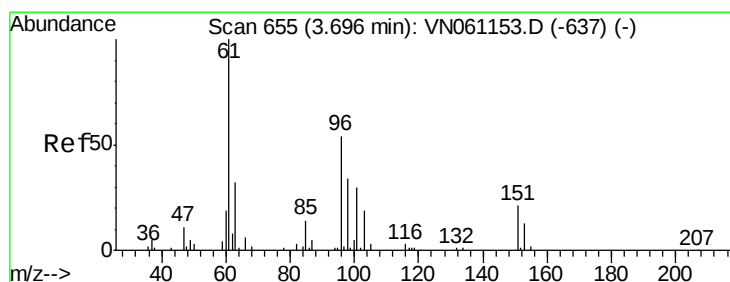
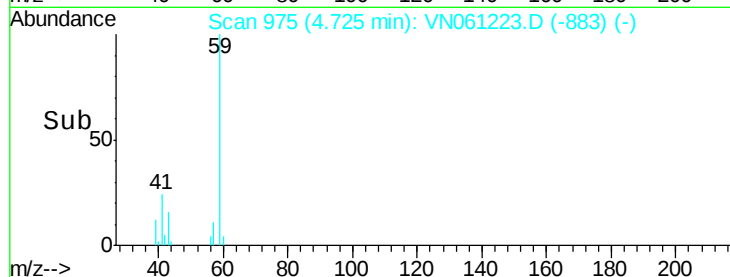
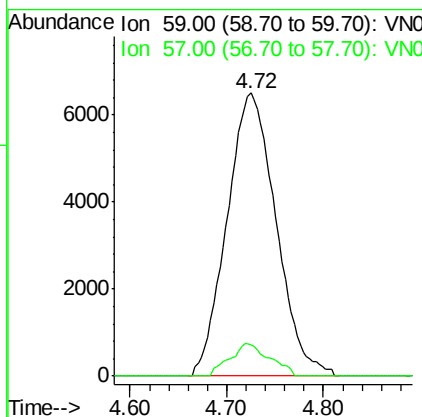
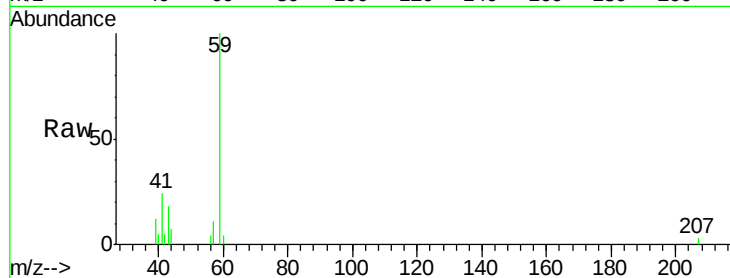
Tert butyl alcohol
 Concen: 86.248 ug/l
 RT: 4.72 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.3	12.5

Manual Integrations
 APPROVED

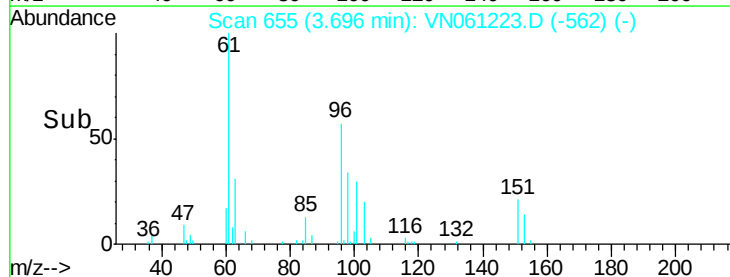
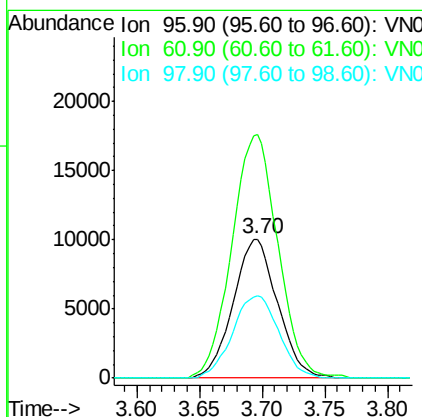
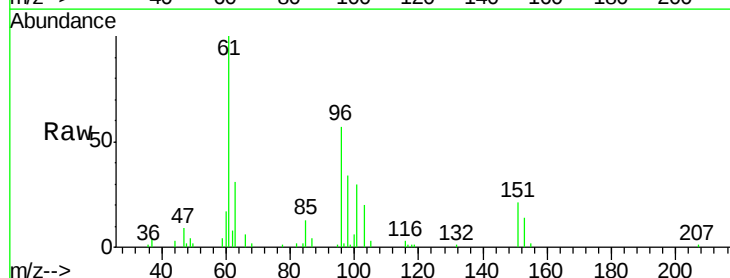
MMDadoda
 5/4/2020 2:57:58 PM

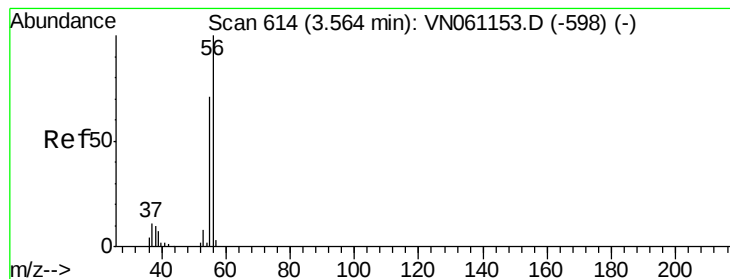


#12

1,1-Dichloroethene
 Concen: 18.650 ug/l
 RT: 3.70 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	147.0	220.6
98	59.6	49.8	74.6





#13

Acrolein

Concen: 75.083 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 56 Resp: 13295

Ion Ratio Lower Upper

56 100

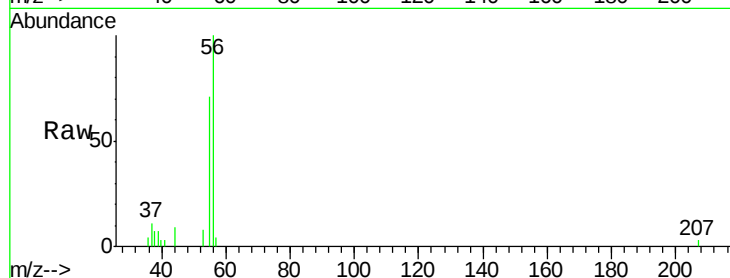
55 69.9 58.5 87.7

Manual Integrations

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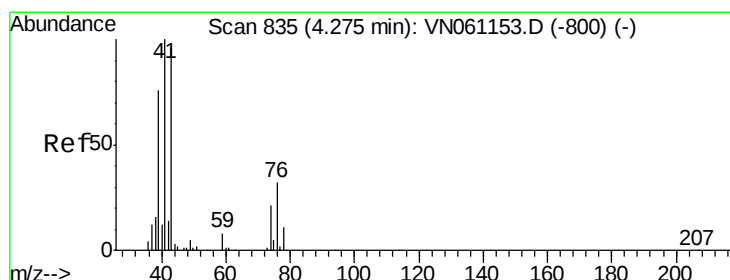
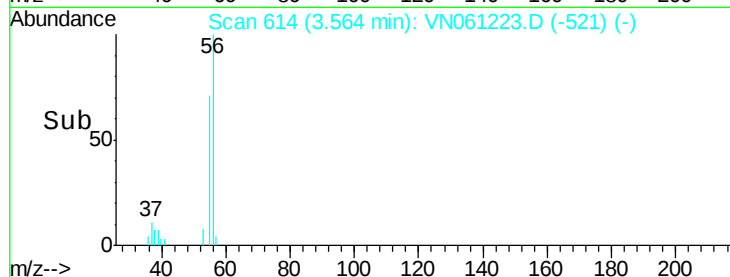
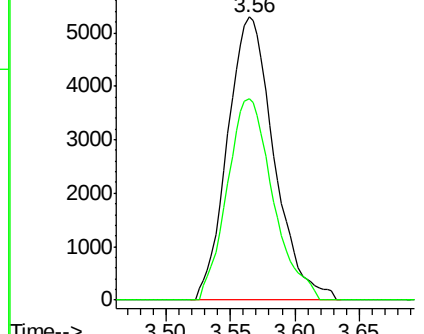
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.399 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

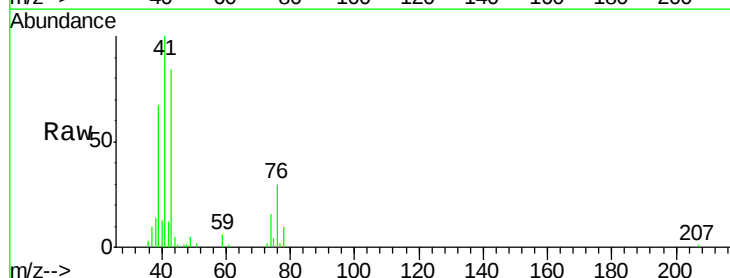
Tgt Ion: 41 Resp: 54930

Ion Ratio Lower Upper

41 100

39 62.7 57.1 85.7

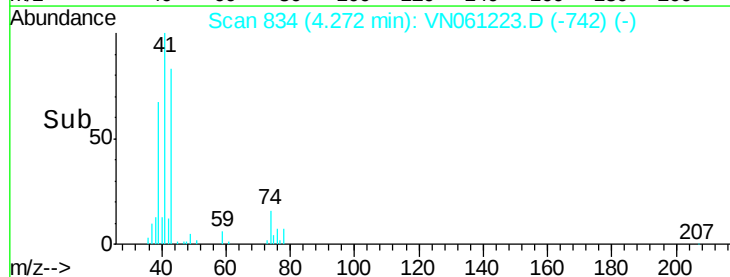
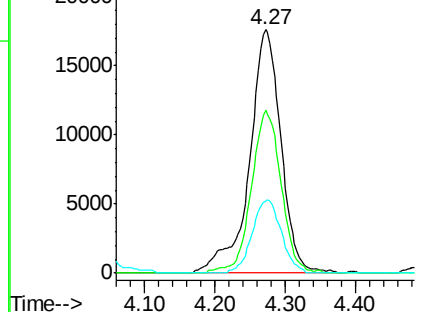
76 27.7 24.3 36.5

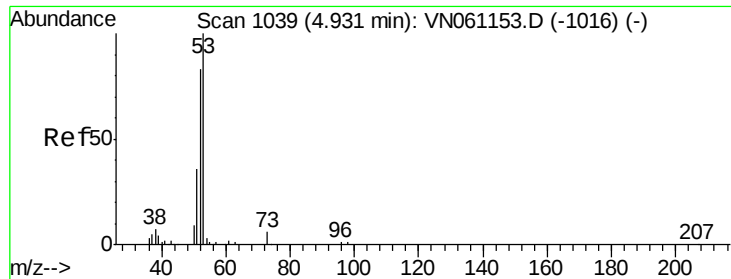


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





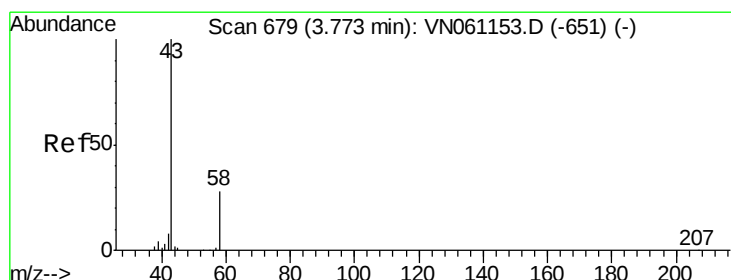
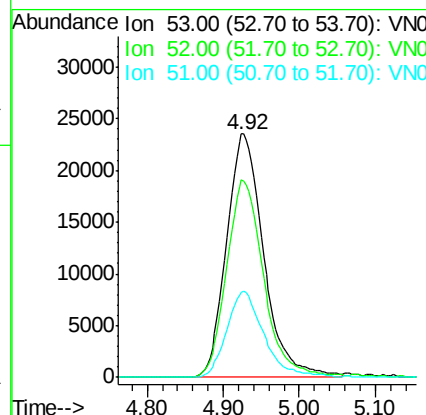
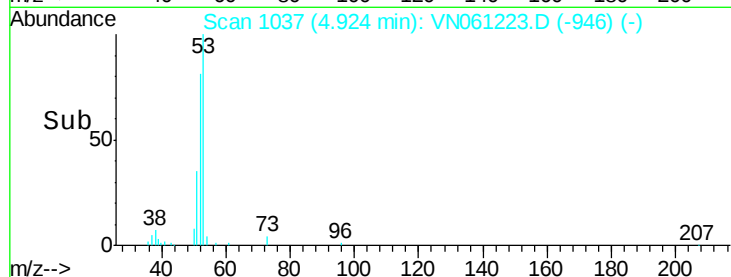
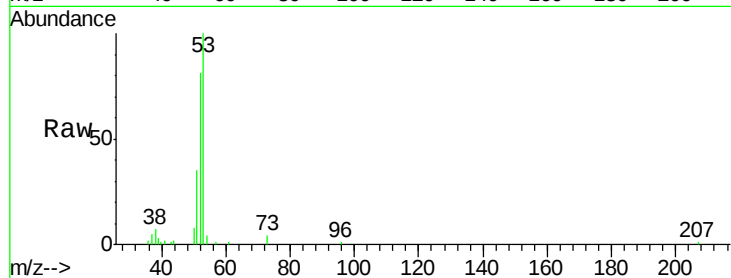
#15
 Acrylonitrile
 Concen: 98.267 ug/l
 RT: 4.92 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	53	Resp	80153
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.4	98.0
51	35.5	29.5	44.3

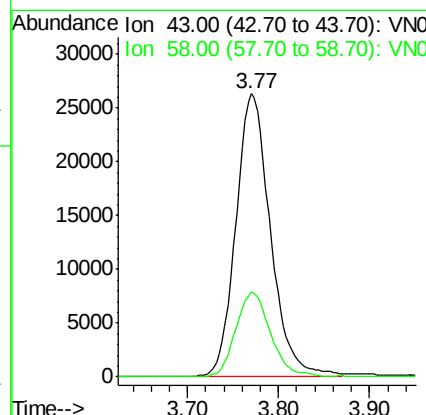
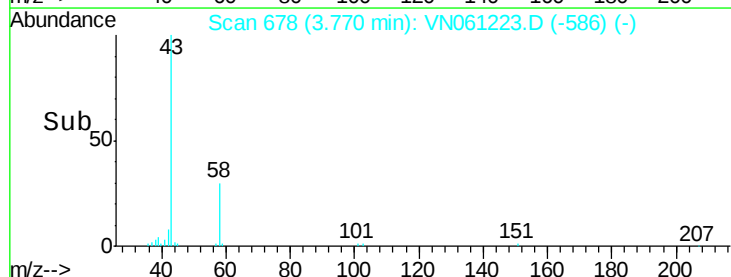
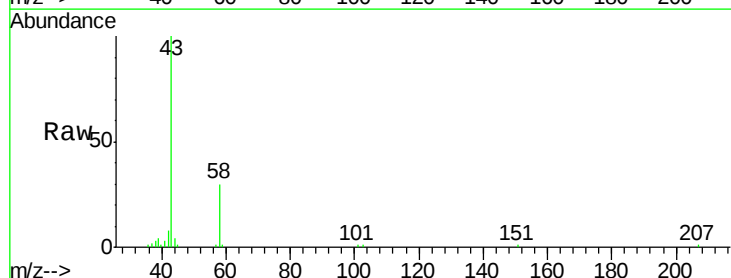
Manual Integrations
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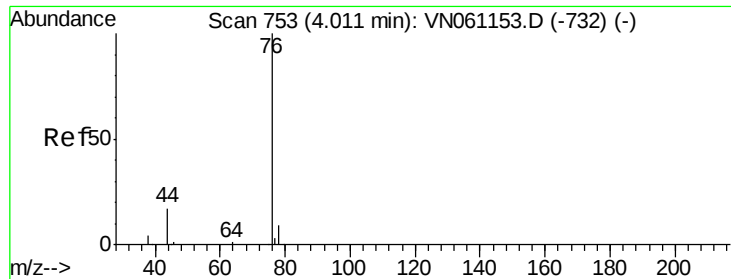
MMDadoda
 5/4/2020 2:57:58 PM



#16
 Acetone
 Concen: 87.384 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	43	Resp	69792
Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.2	33.2





#17

Carbon Disulfide

Concen: 18.147 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 76 Resp: 66301

Ion Ratio Lower Upper

76 100

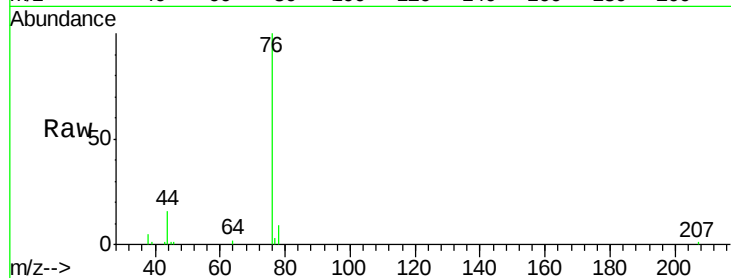
78 8.7 7.2 10.8

Manual Integrations

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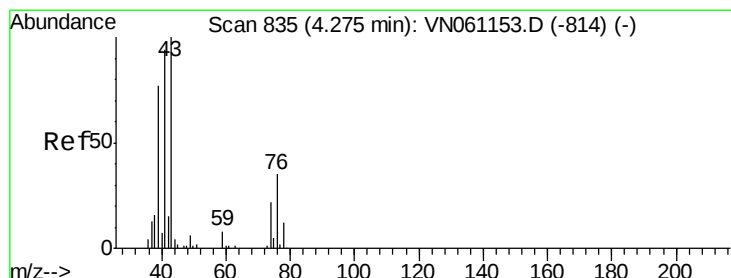
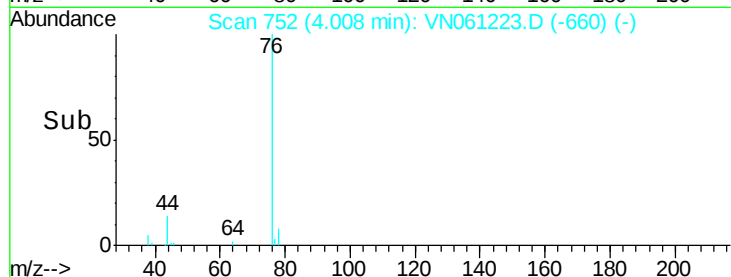
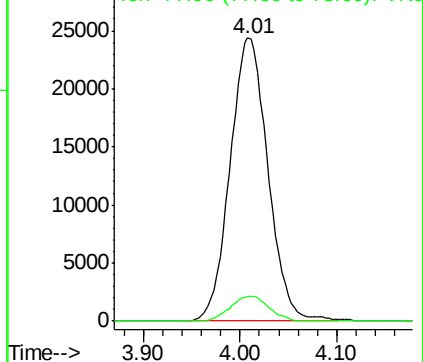
MMDadoda

5/4/2020 2:57:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 17.930 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061223.D

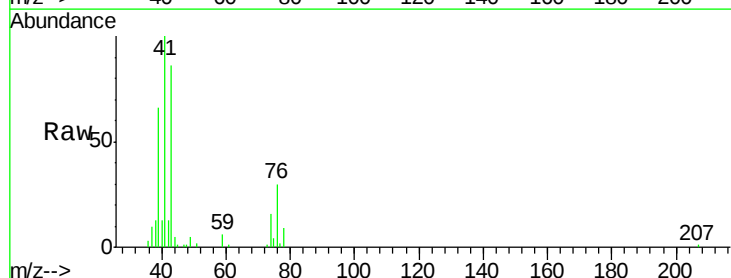
Acq: 1 May 2020 12:15

Tgt Ion: 43 Resp: 43790

Ion Ratio Lower Upper

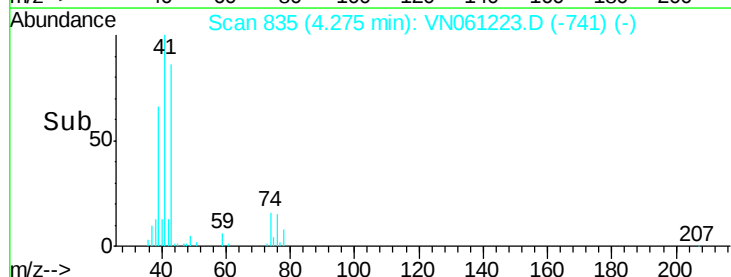
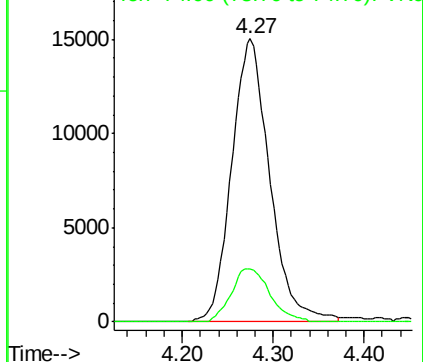
43 100

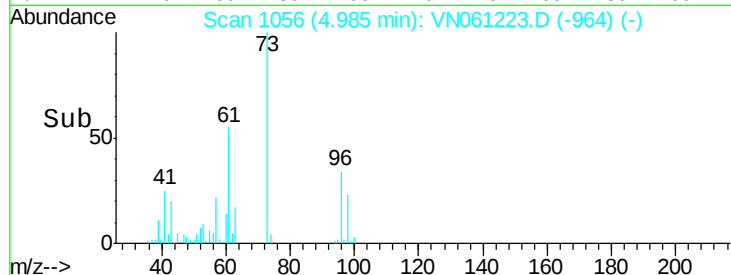
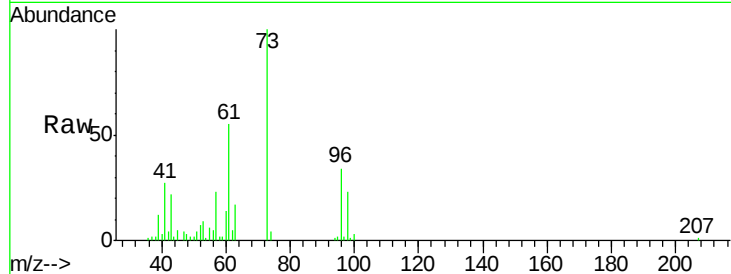
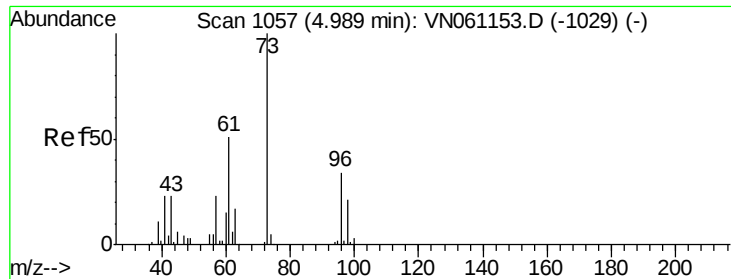
74 19.0 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





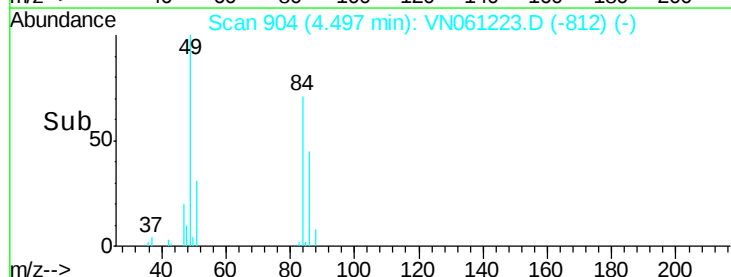
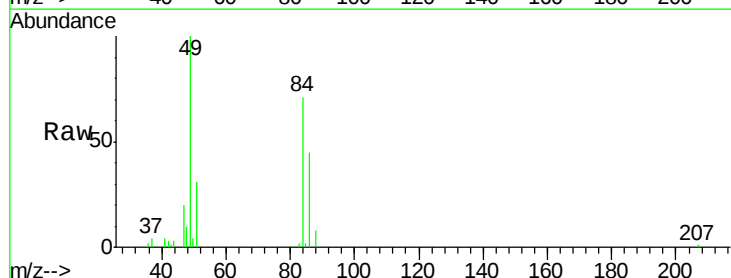
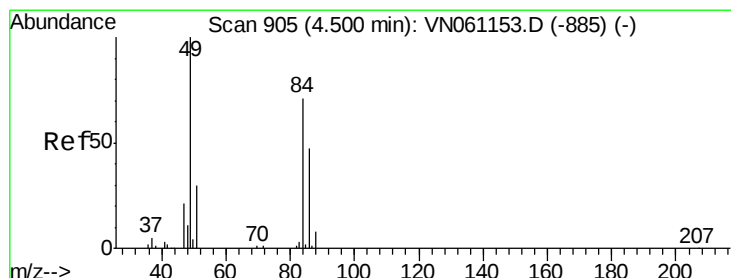
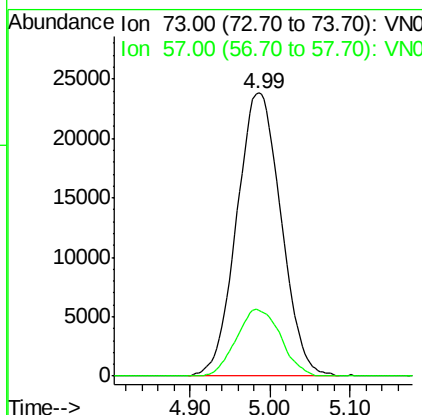
#19
Methvl tert-butvl Ether
Concen: 17.789 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tot Ion: 73 Resp: 89902
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

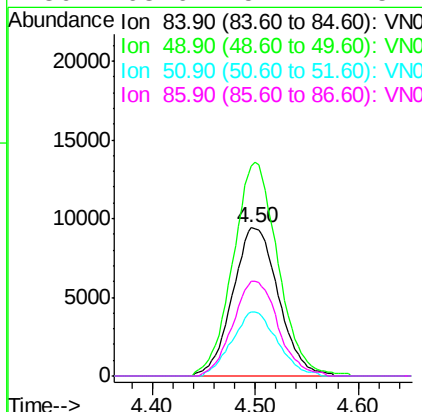
Manual Integrations
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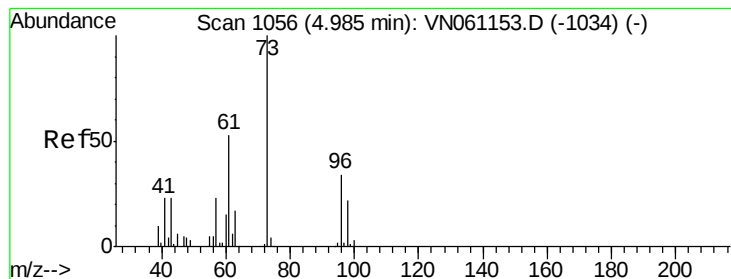
MMDadoda
5/4/2020 2:57:58 PM



#20
Methylene Chloride
Concen: 18.810 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 84 Resp: 29093
Ion Ratio Lower Upper
84 100
49 141.4 112.0 168.0
51 43.4 33.6 50.4
86 63.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 18.324 ug/l

RT: 4.98 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

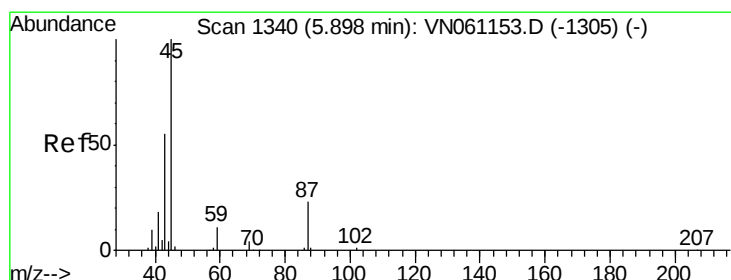
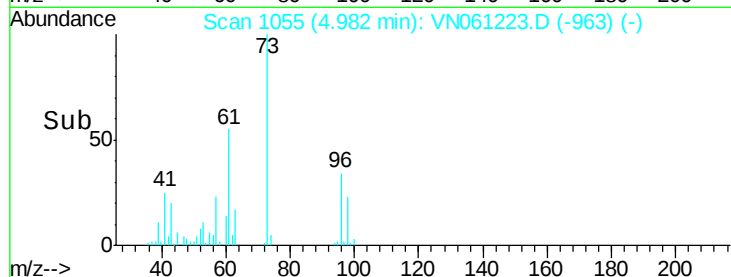
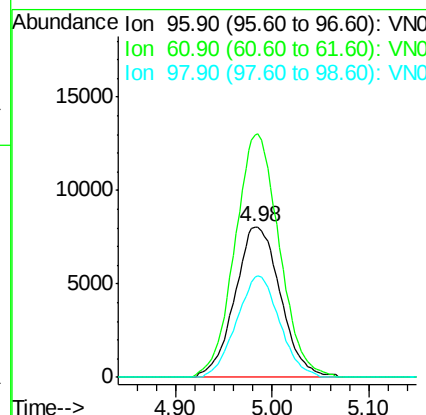
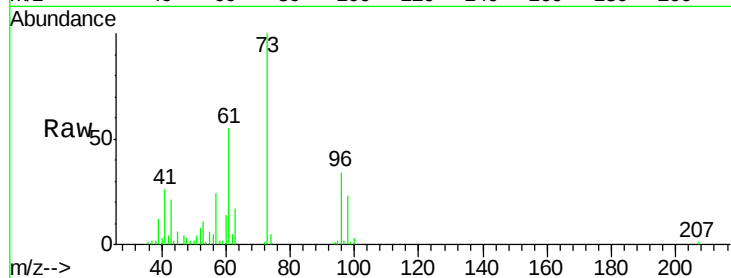
ClientSampleId :

VN0501WBS01

Tot Ion:	96	Resp:	26390
Ion	Ratio	Lower	Upper
96	100		
61	161.7	123.0	184.4
98	66.6	50.1	75.1

Manual Integrations
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5/4/2020 2:57:58 PM



#22

Diisopropyl ether

Concen: 19.720 ug/l

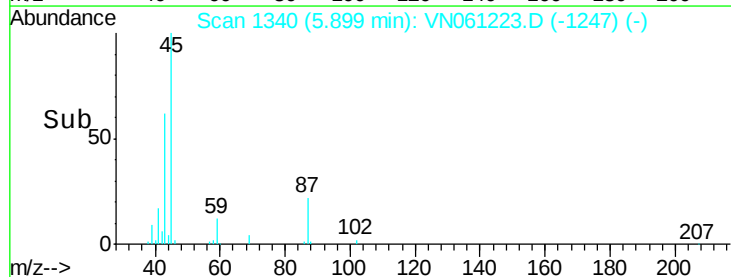
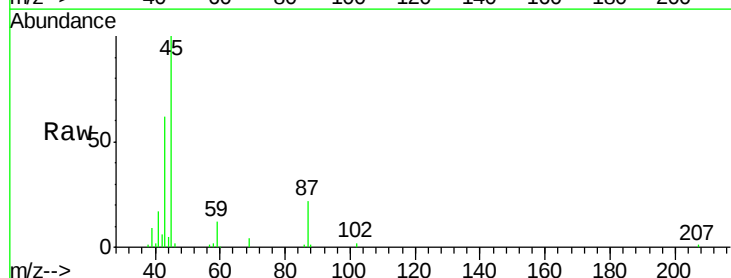
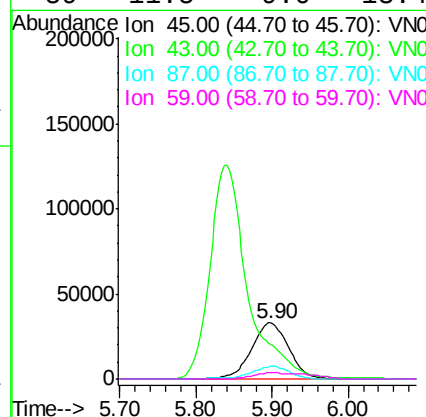
RT: 5.90 min Scan# 1340

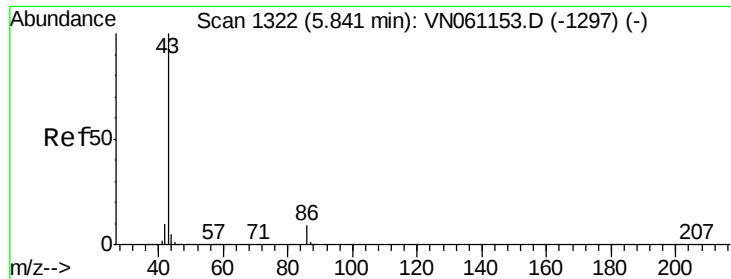
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	45	Resp:	112144
Ion	Ratio	Lower	Upper
45	100		
43	59.8	47.9	71.9
87	21.9	19.2	28.8
59	11.5	9.0	13.4





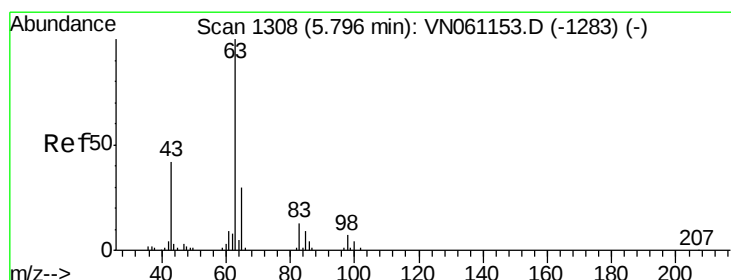
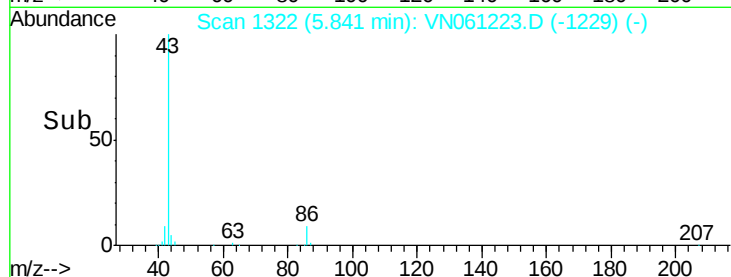
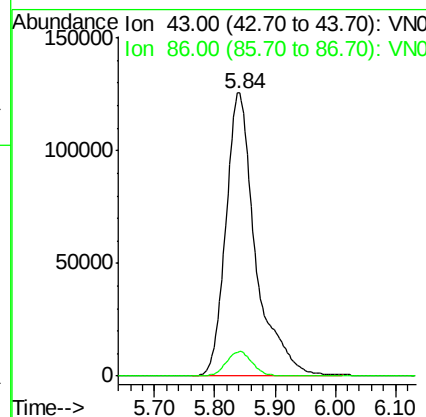
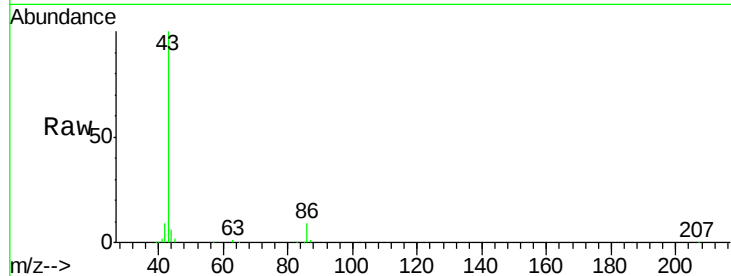
#23
 Vinyl Acetate
 Concen: 94.172 ug/l
 RT: 5.84 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	43	Resp	431212
Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.2	10.8

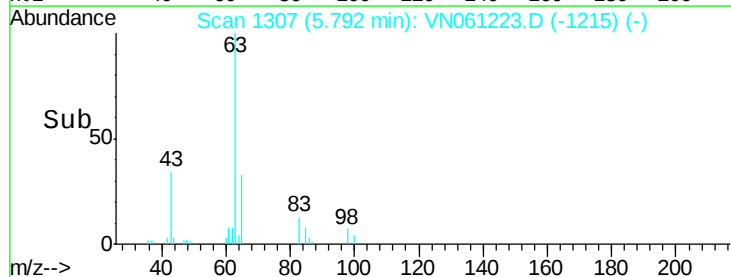
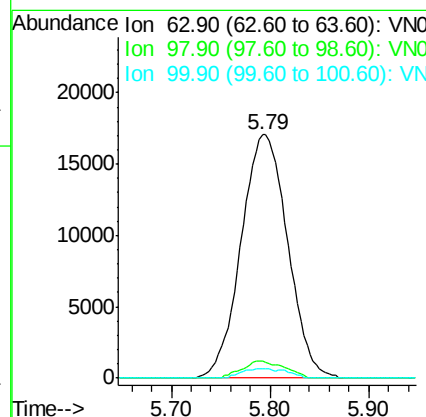
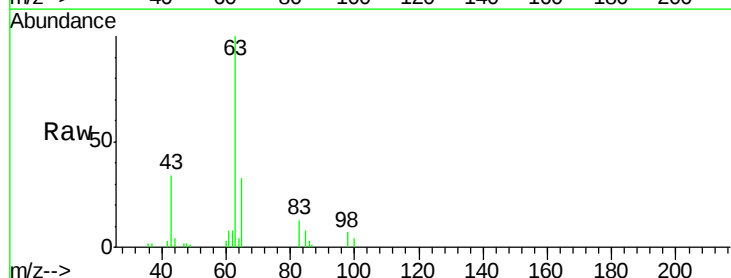
Manual Integrations
 APPROVED

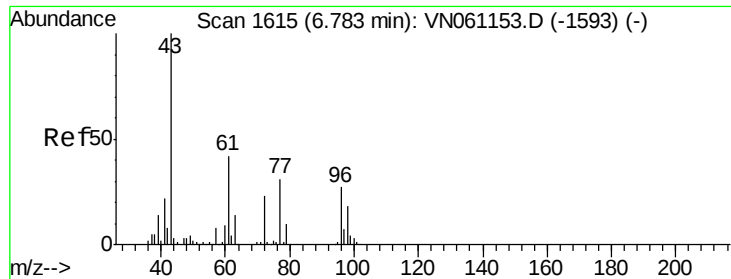
MMDadoda
 5/4/2020 2:57:58 PM



#24
 1,1-Dichloroethane
 Concen: 18.742 ug/l
 RT: 5.79 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	63	Resp	55687
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.9
100	4.1	1.9	5.7





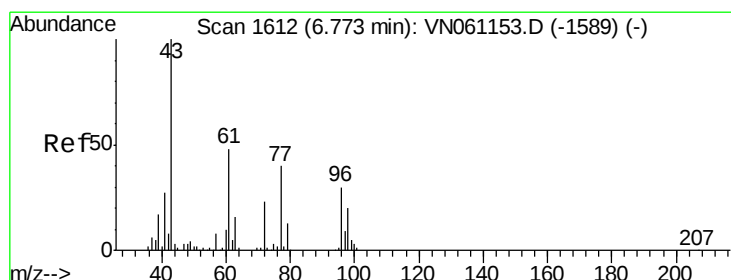
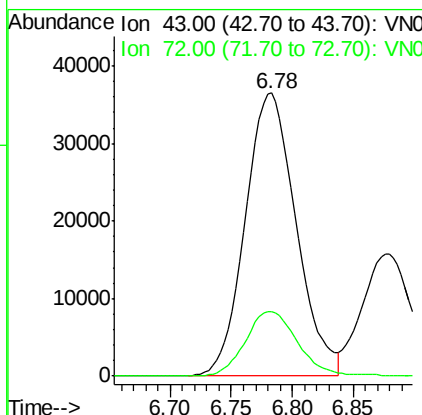
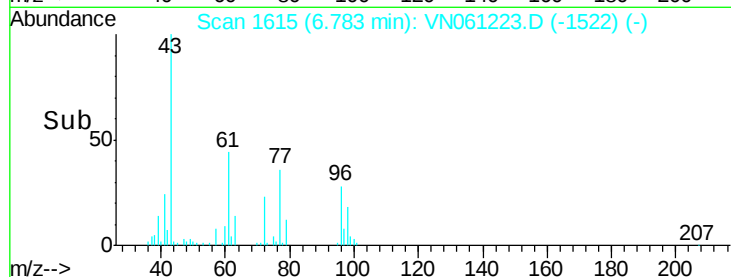
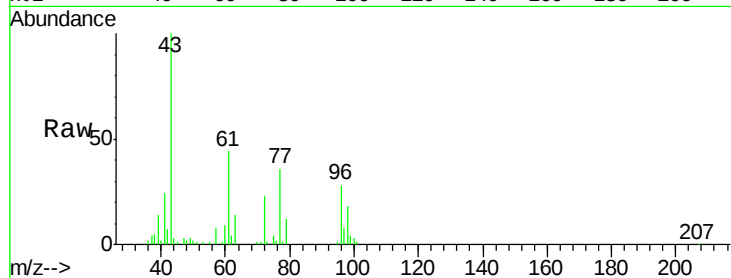
#25
2-Butanone
Concen: 90.101 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 43 Resp: 105754
Ion Ratio Lower Upper
43 100
72 22.9 18.2 27.4

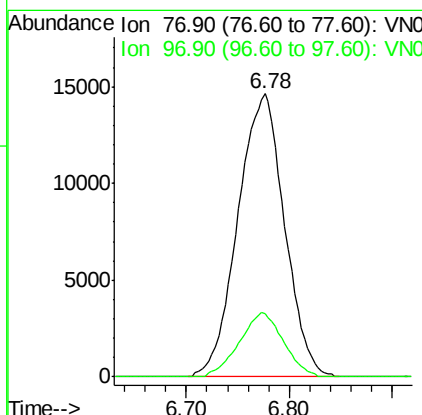
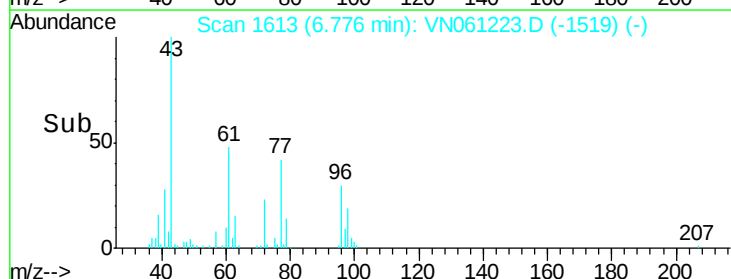
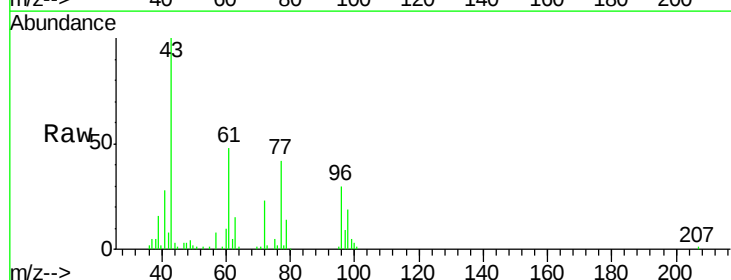
Manual Integrations
APPROVED

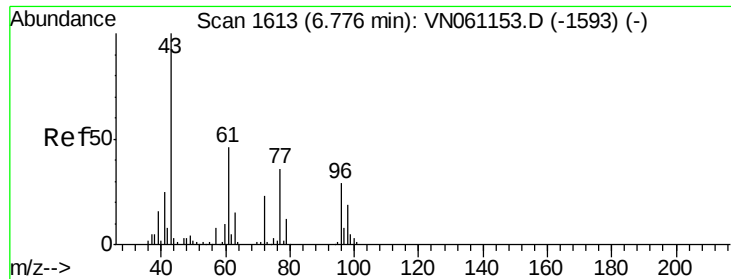
MMDadoda
5/4/2020 2:57:58 PM



#26
2,2-Dichloropropane
Concen: 18.363 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 77 Resp: 45956
Ion Ratio Lower Upper
77 100
97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 17.981 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

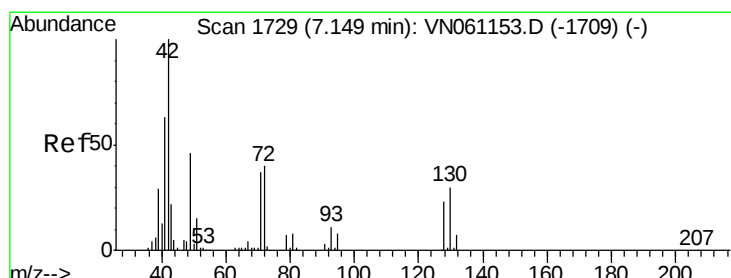
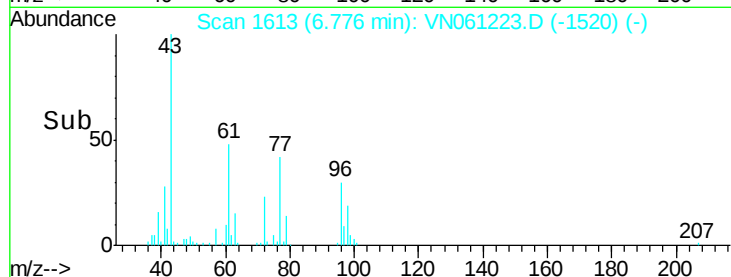
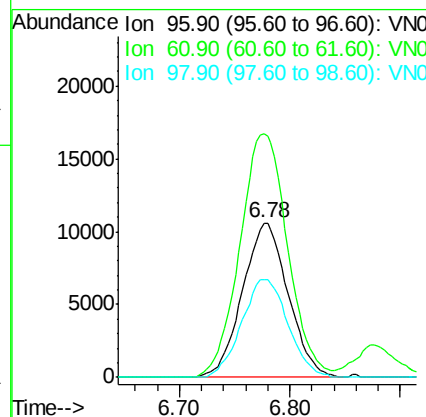
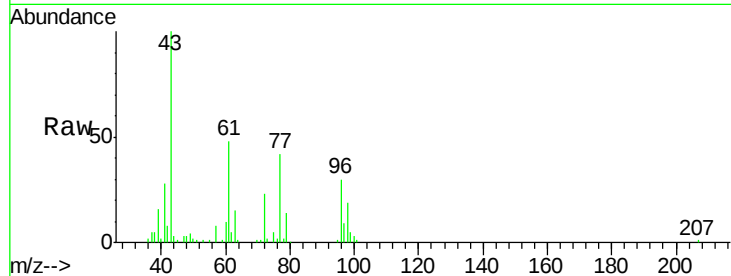
ClientSampleId :

VN0501WBS01

Tot Ion:	96	Resp:	30390
Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	322.0
98	64.3	0.0	129.6

Manual Integrations
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MMDadoda
5/4/2020 2:57:58 PM



#28

Bromochloromethane

Concen: 21.335 ug/l

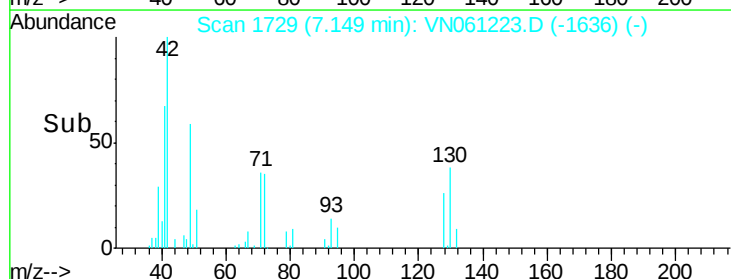
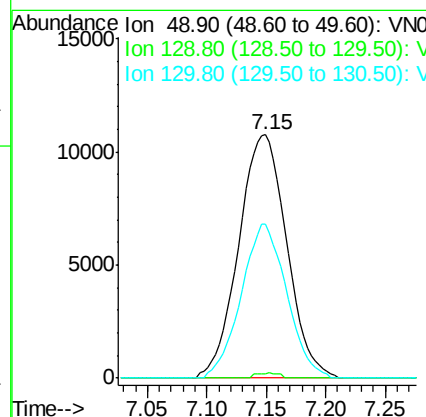
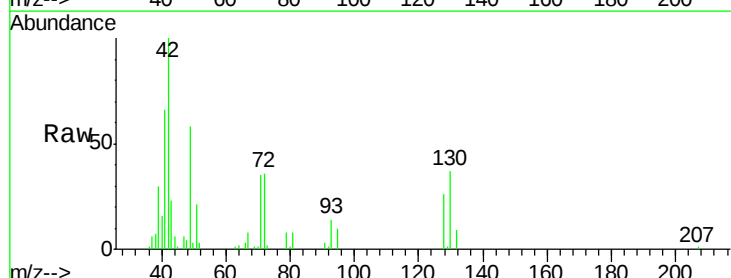
RT: 7.15 min Scan# 1729

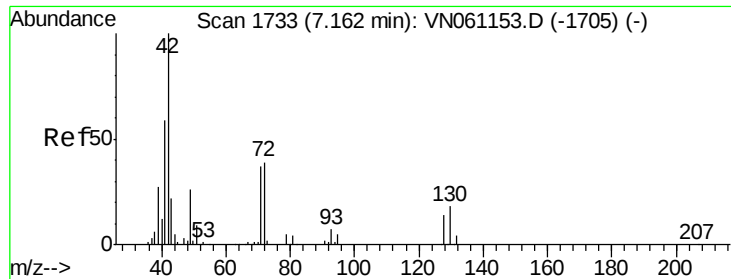
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	49	Resp:	30047
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	59.8	51.4	77.2





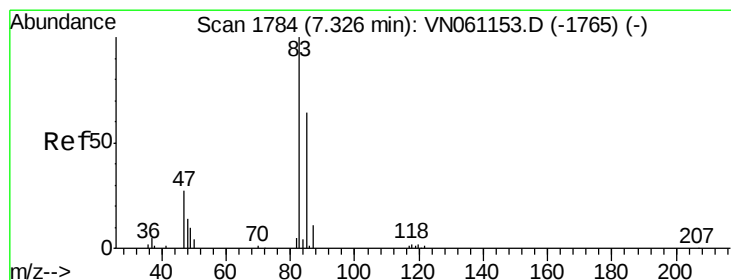
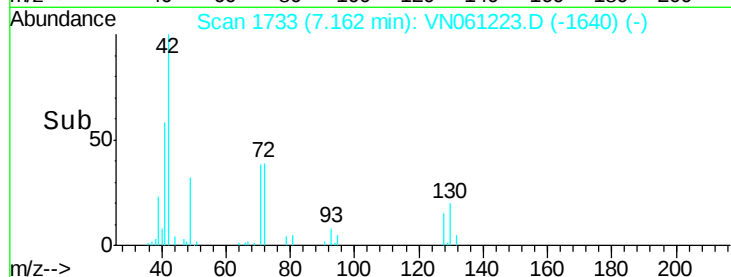
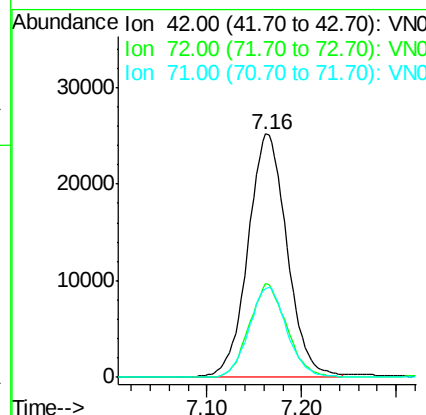
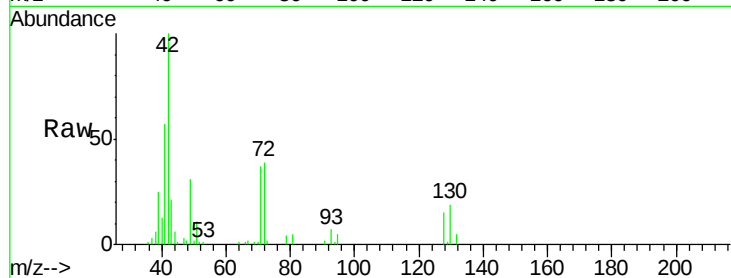
#29
Tetrahydrofuran
Concen: 91.408 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	31.4	47.0
71	35.6	29.5	44.3

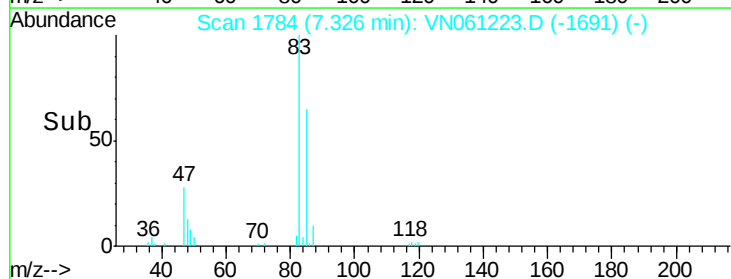
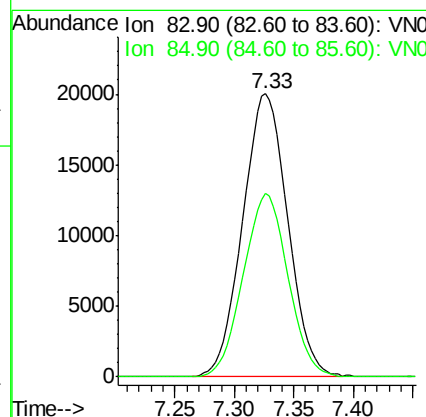
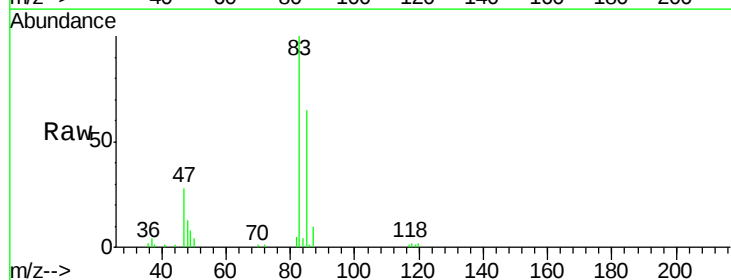
Manual Integrations
APPROVED

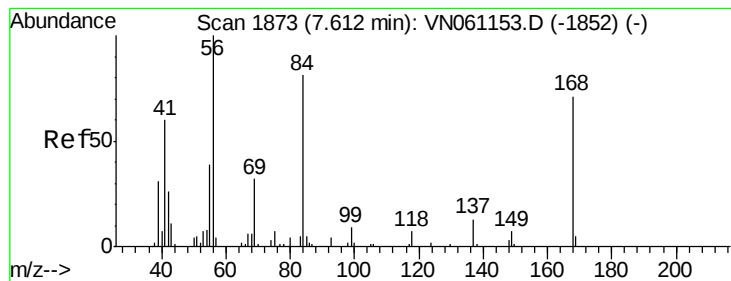
MMDadoda
5/4/2020 2:57:58 PM



#30
Chloroform
Concen: 17.481 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7





#31

Cyclohexane

Concen: 17.793 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

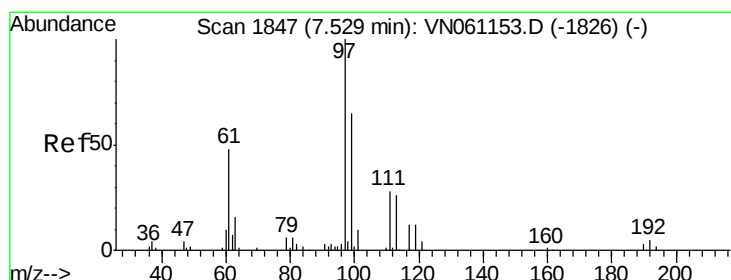
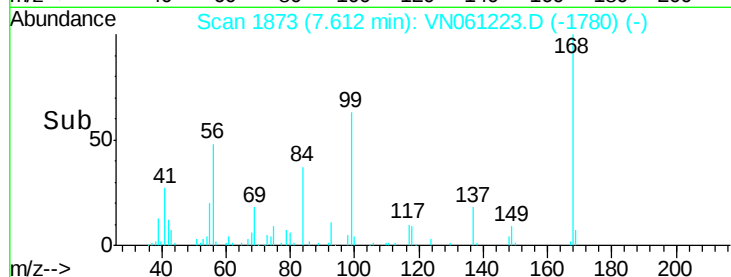
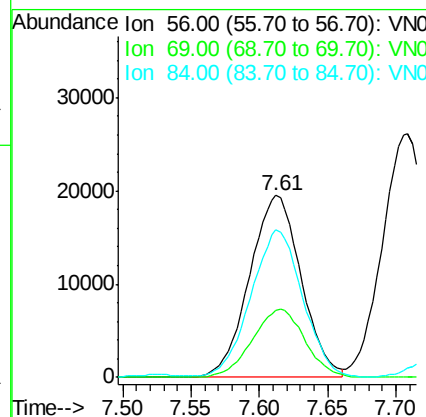
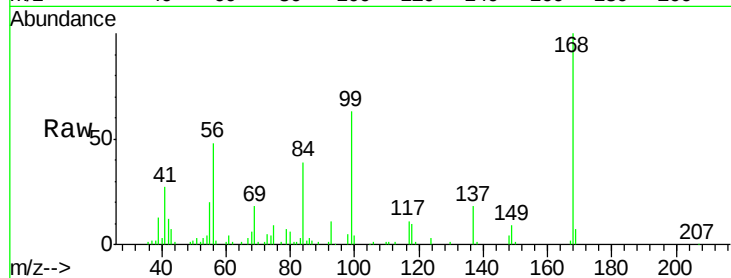
ClientSampleId :

VN0501WBS01

Tot Ion:	56	Resp:	51344
Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.7	38.5
84	80.1	64.6	97.0

Manual Integrations
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5/4/2020 2:57:58 PM



#32

1,1,1-Trichloroethane

Concen: 16.619 ug/l

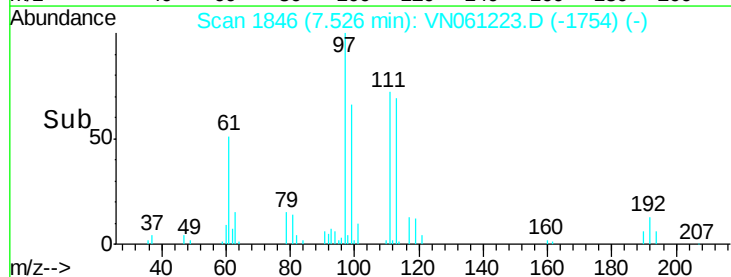
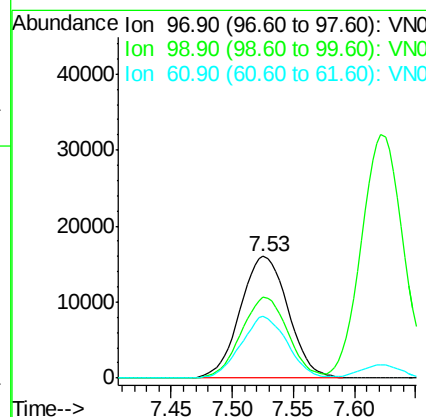
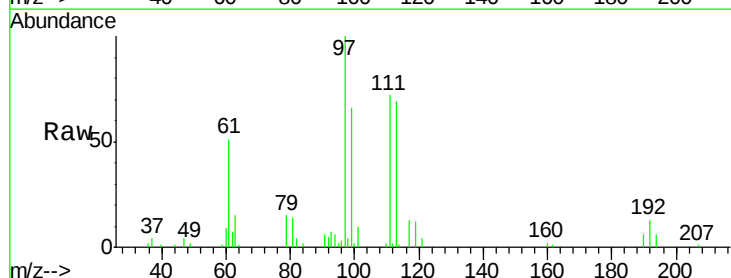
RT: 7.53 min Scan# 1846

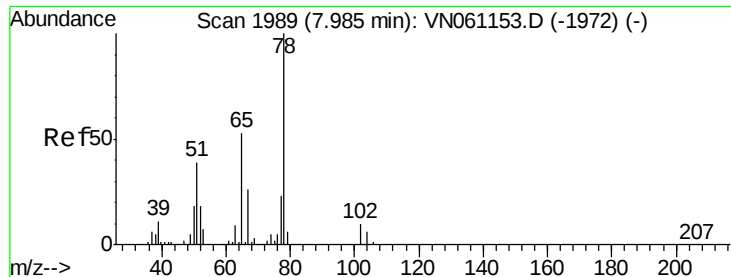
Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	97	Resp:	43576
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	49.2	38.6	57.8





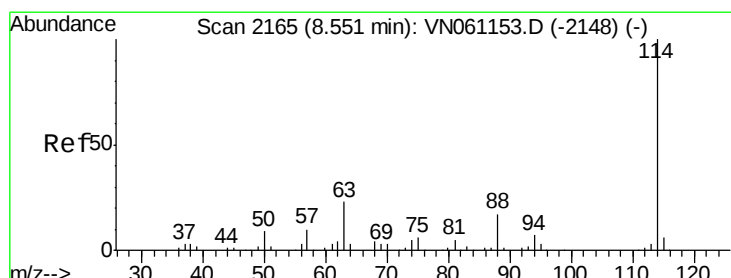
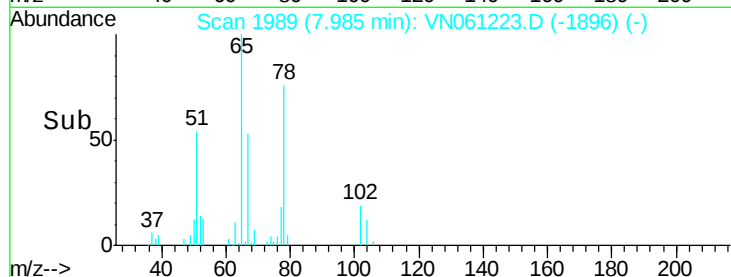
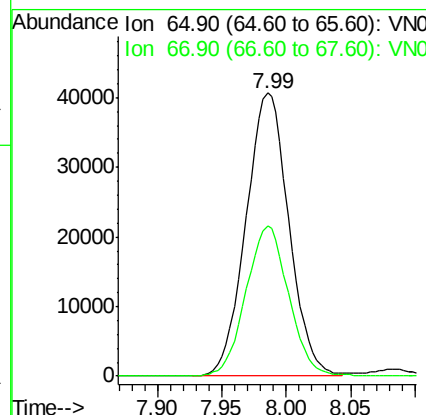
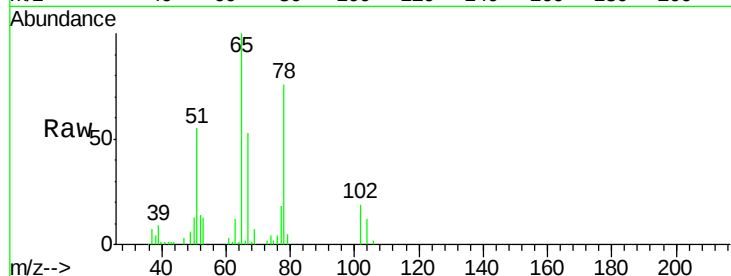
#33
 1,2-Dichloroethane-d4
 Concen: 47.512 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	101.6

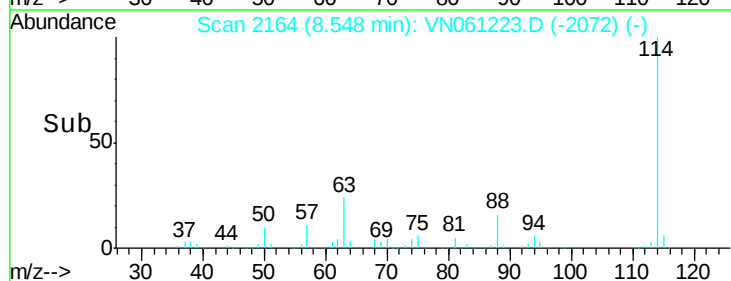
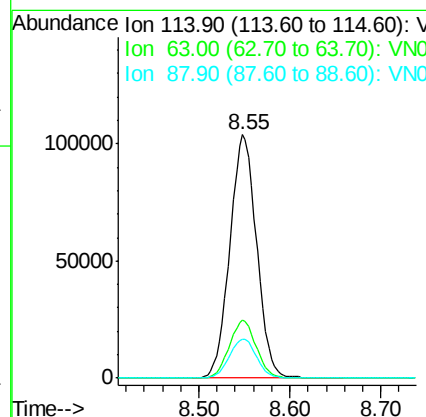
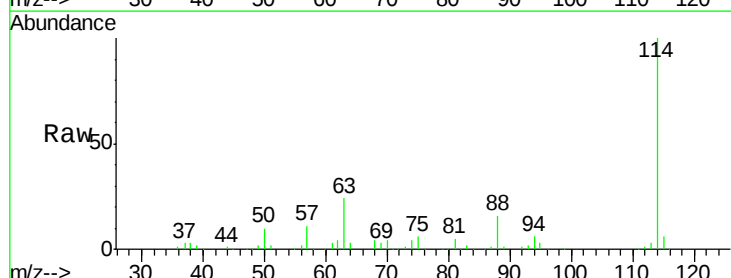
Manual Integrations
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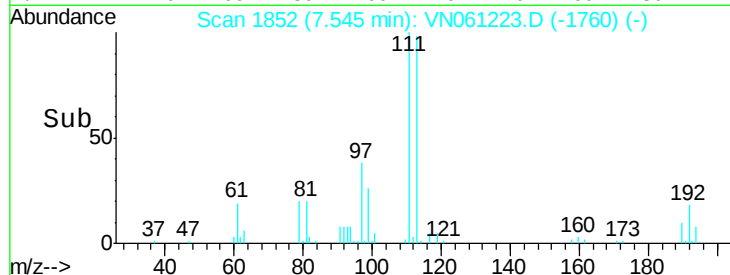
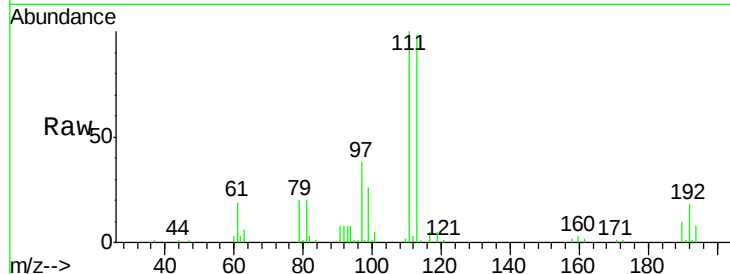
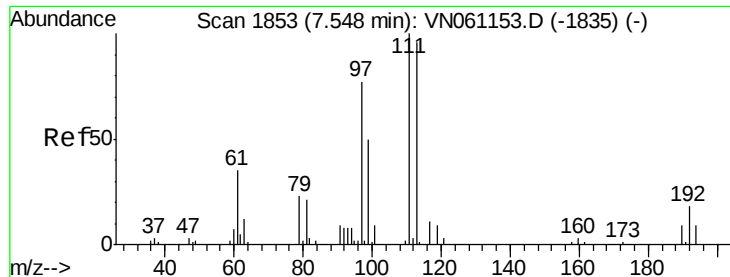
MMDadoda
 5/4/2020 2:57:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	46.6
88	16.2	0.0	33.4





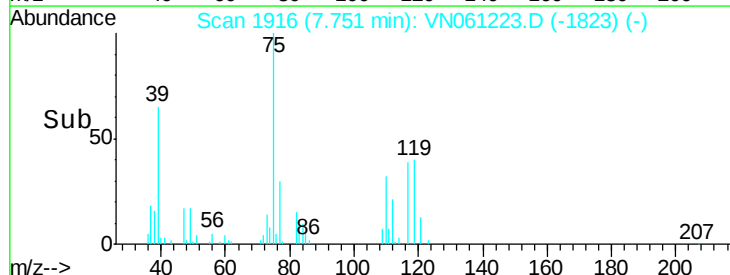
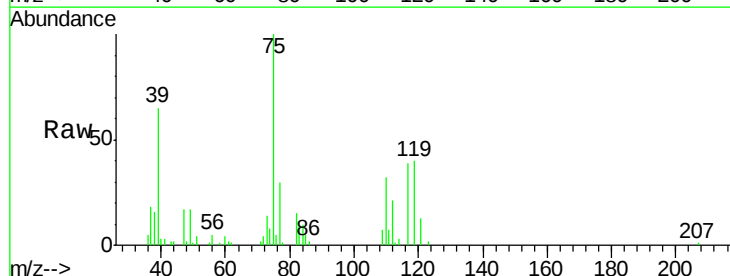
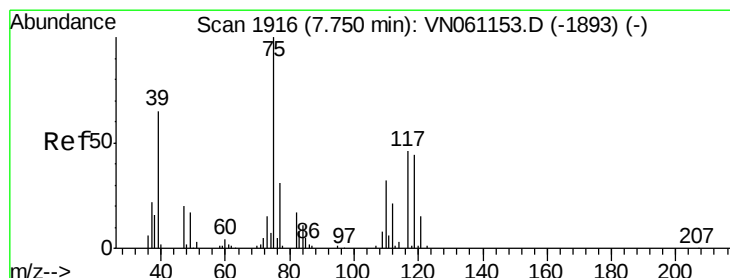
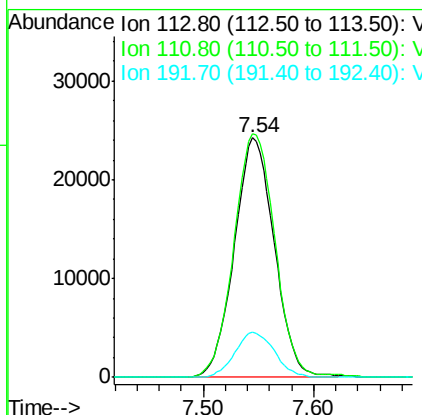
#35
Dibromofluoromethane
Concen: 48.417 ug/l
RT: 7.54 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tot Ion	Ratio	Resp	Lower	Upper
113	100	60927		
111	103.8	82.9	124.3	
192	18.7	14.7	22.1	

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

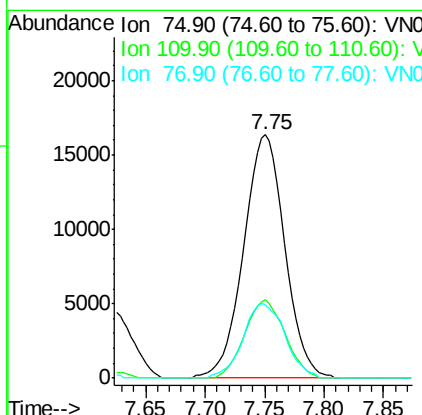
Manual Integrations
APPROVED

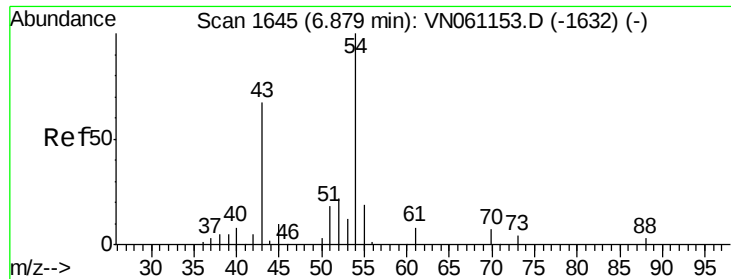
MMDadoda
5/4/2020 2:57:58 PM



#36
1,1-Dichloropropene
Concen: 18.402 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39202		
110	31.4	16.0	48.0	
77	31.2	24.6	37.0	





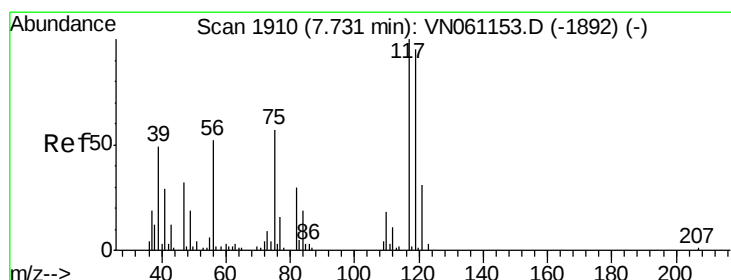
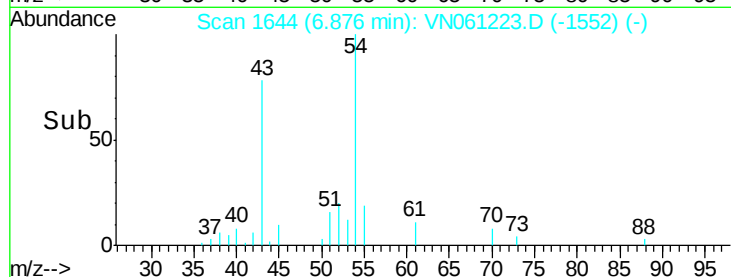
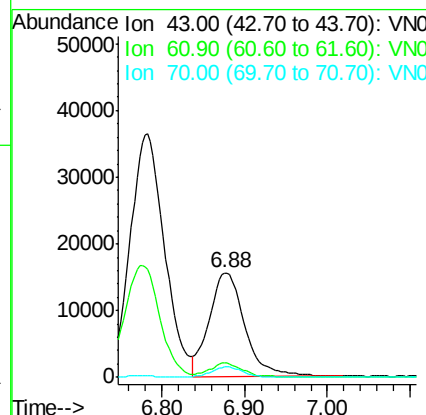
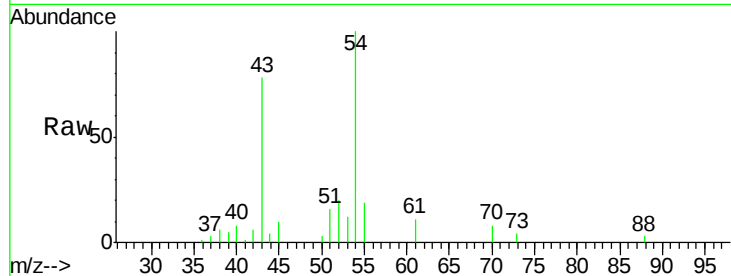
#37
Ethyl Acetate
Concen: 18.742 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	8.8	7.2	10.8

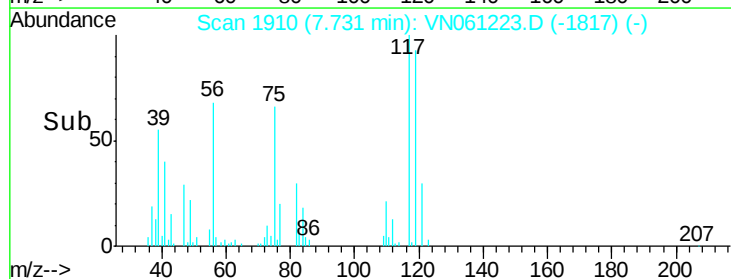
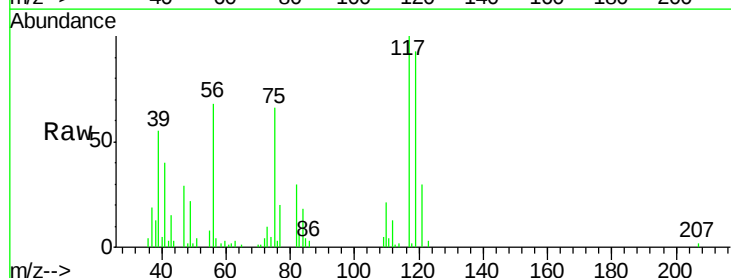
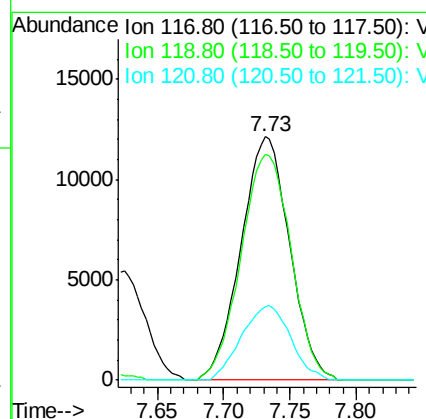
Manual Integrations
APPROVED

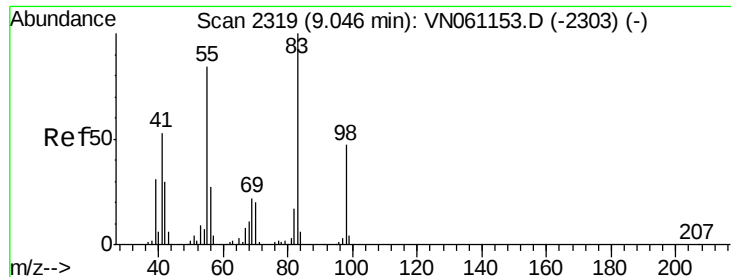
MMDadoda
5/4/2020 2:57:58 PM



#38
Carbon Tetrachloride
Concen: 17.515 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.8	113.6
121	30.2	24.7	37.1





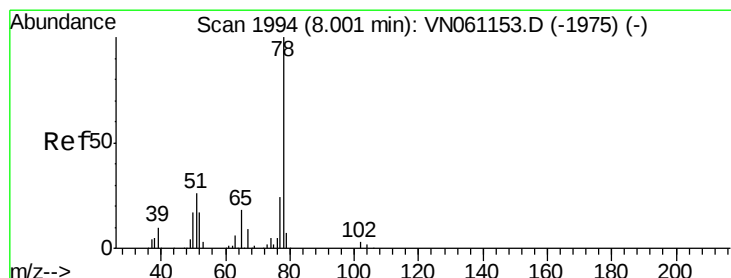
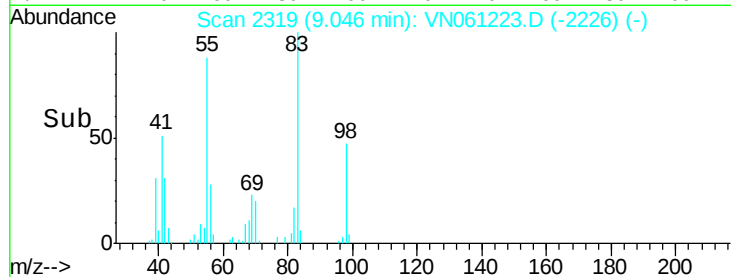
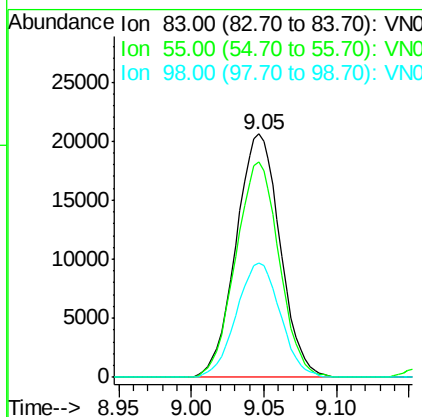
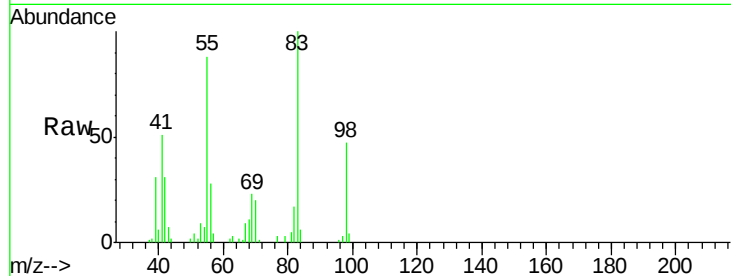
#39
Methvlcvclohexane
Concen: 18.171 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	83	Resp	43411
Ion Ratio	Lower	Upper	
83	100		
55	88.4	67.3	100.9
98	47.1	37.7	56.5

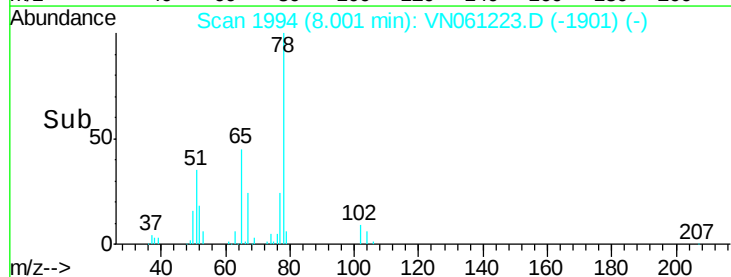
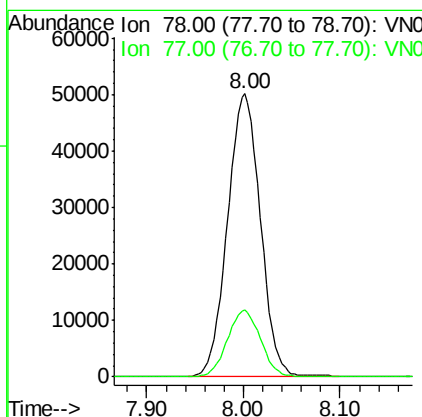
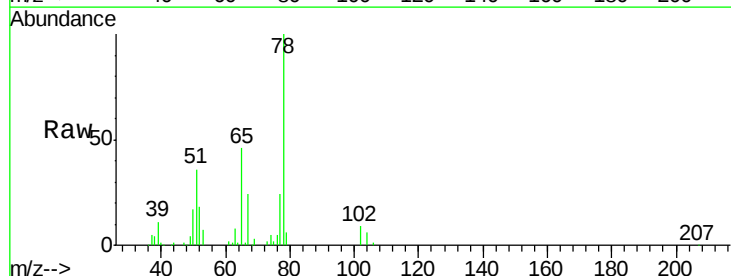
Manual Integrations
APPROVED

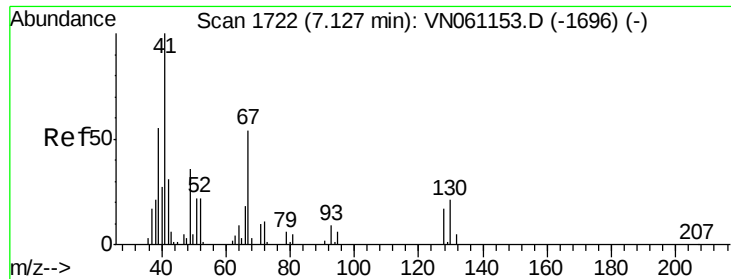
MMDadoda
5/4/2020 2:57:58 PM



#40
Benzene
Concen: 18.647 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	78	Resp	118345
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.6





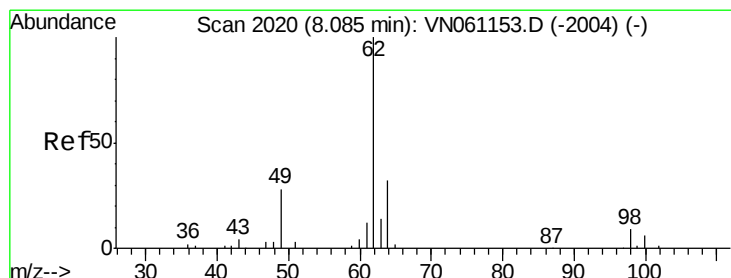
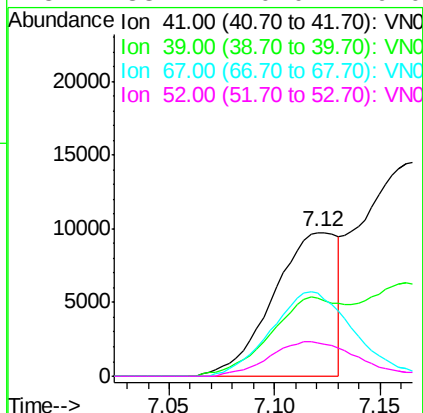
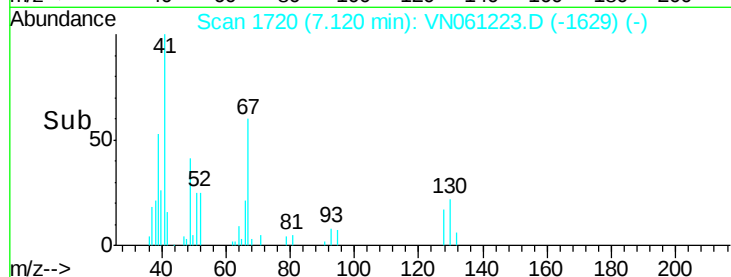
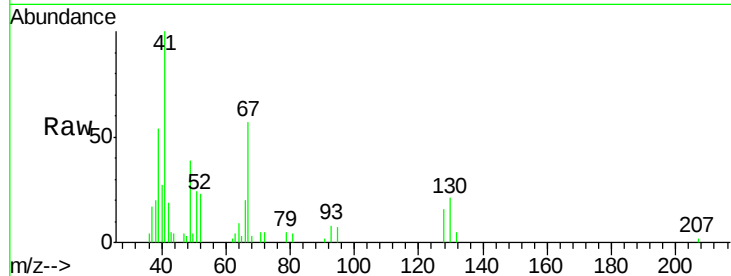
#41
Methacrylonitrile
Concen: 19.883 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.8	0.0	0.0#
67	75.2	0.0	0.0#
52	33.1	0.0	0.0#

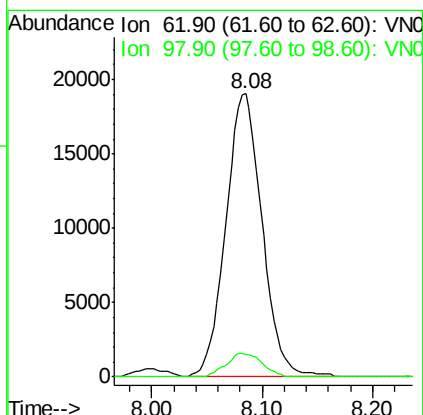
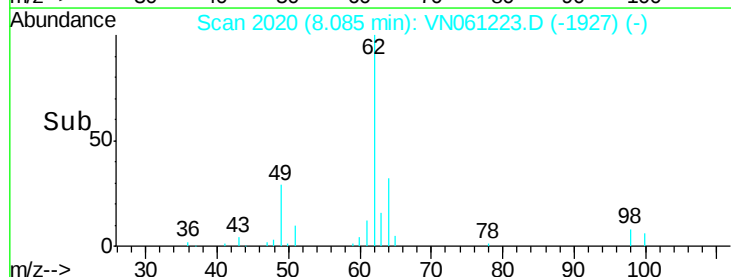
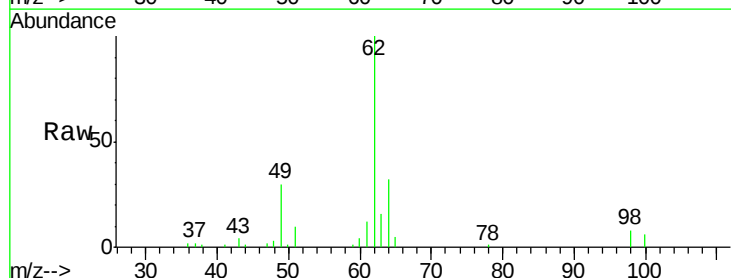
Manual Integrations
APPROVED

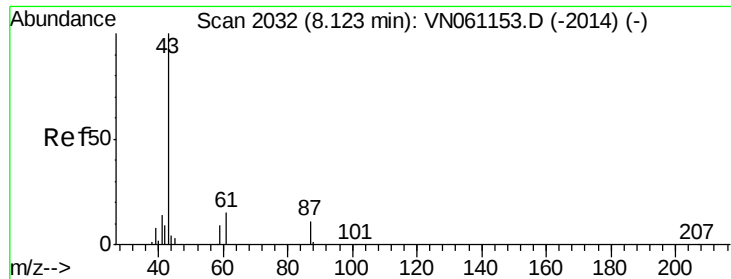
MMDadoda
5/4/2020 2:57:58 PM



#42
1,2-Dichloroethane
Concen: 18.056 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.252 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

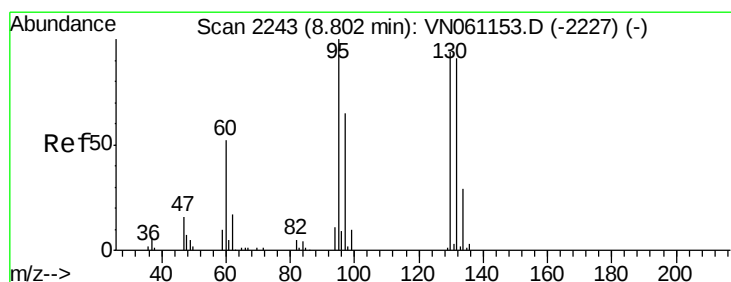
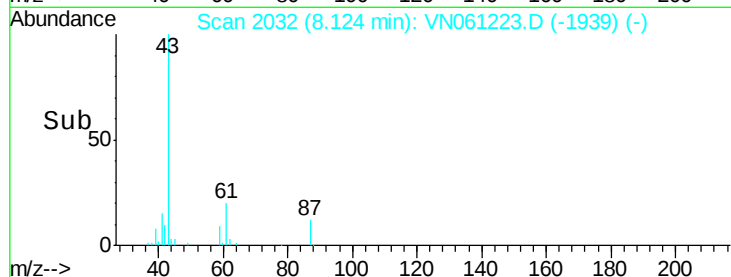
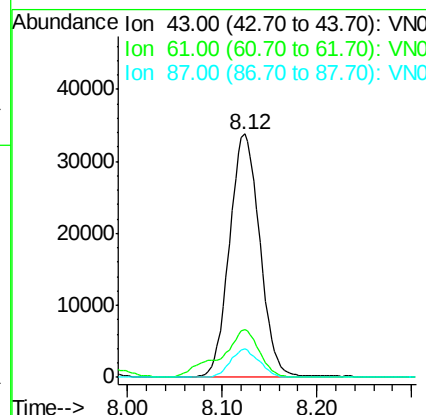
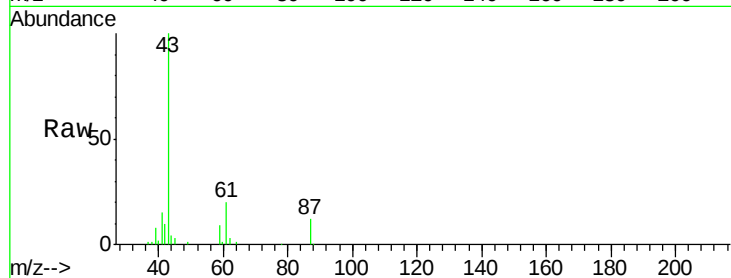
ClientSampleId :

VN0501WBS01

Tot Ion:	43	Resp:	75652
Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.5	29.3
87	10.8	8.9	13.3

Manual Integrations
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5/4/2020 2:57:58 PM



#44

Trichloroethene

Concen: 17.074 ug/l

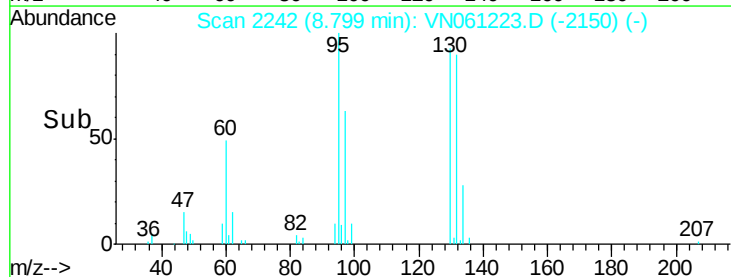
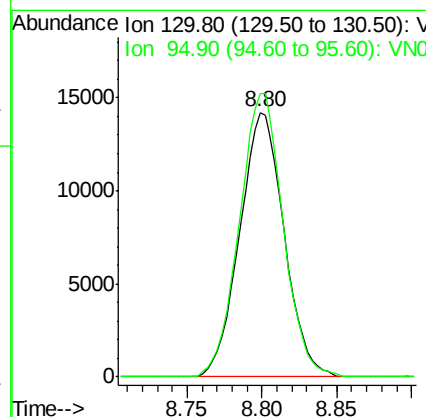
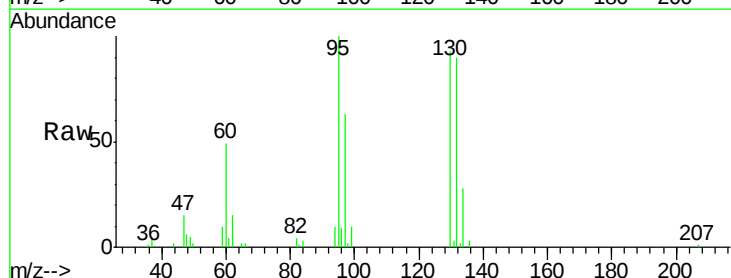
RT: 8.80 min Scan# 2242

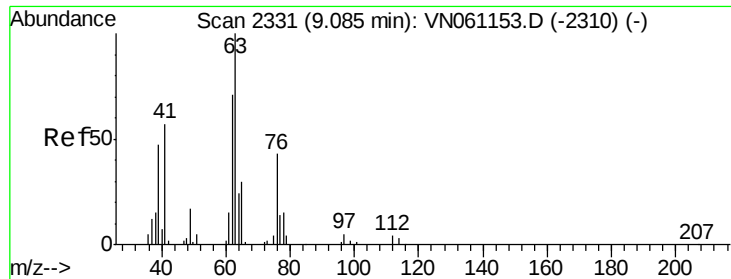
Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	130	Resp:	29294
Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	212.4





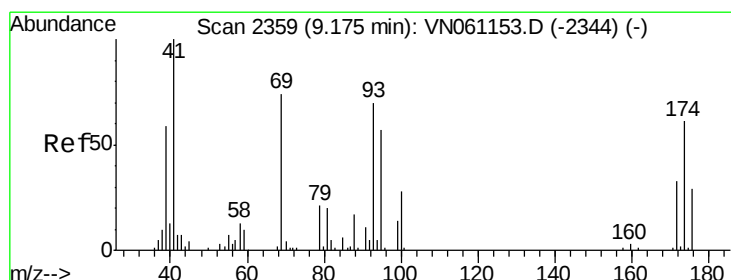
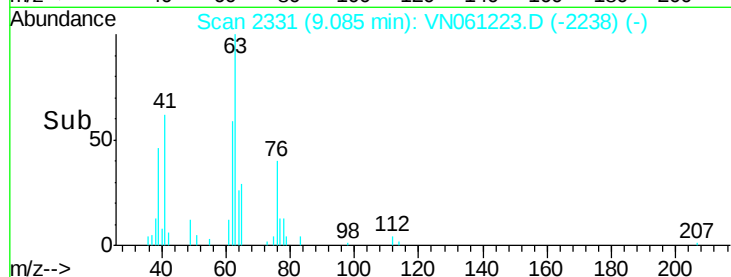
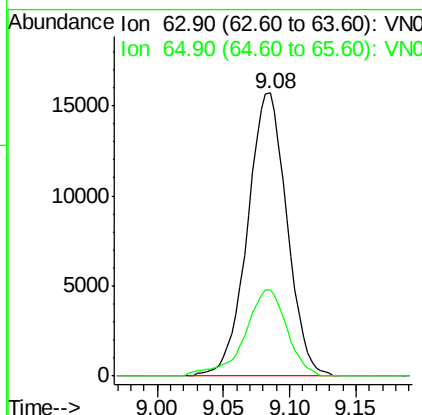
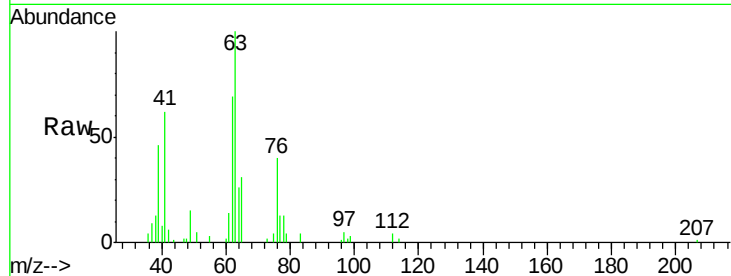
#45
 1,2-Dichloropropane
 Concen: 19.217 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion: 63 Resp: 32585
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1

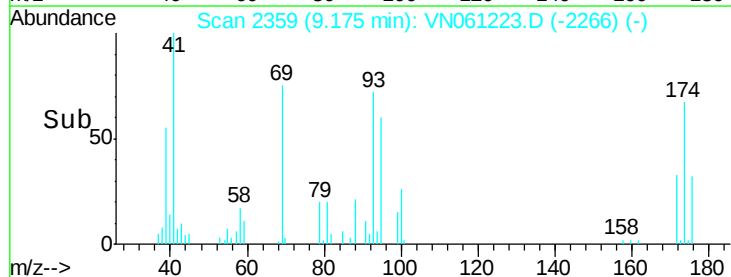
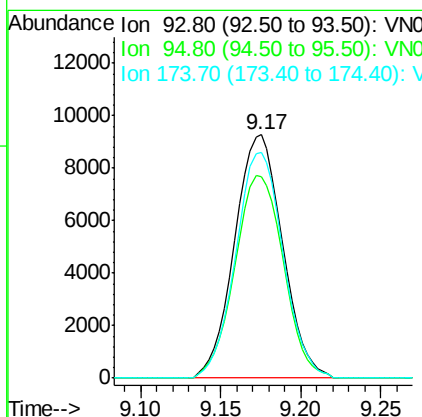
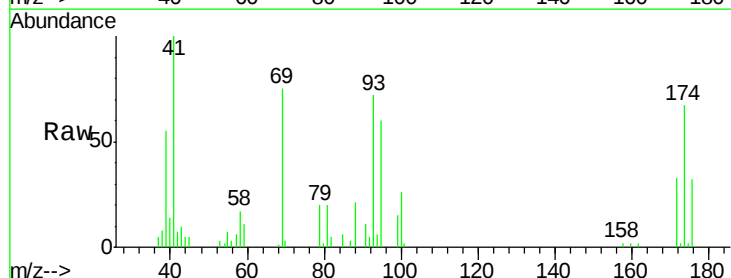
Manual Integrations
 APPROVED

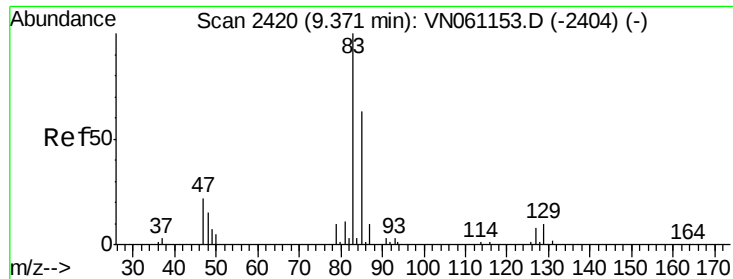
MMDadoda
 5/4/2020 2:57:58 PM



#46
 Dibromomethane
 Concen: 18.062 ug/l
 RT: 9.17 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 93 Resp: 18963
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 99.8
 174 91.8 70.2 105.2





#47

Bromodichloromethane

Concen: 17.927 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

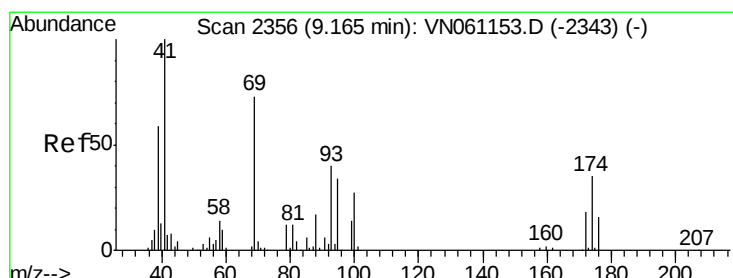
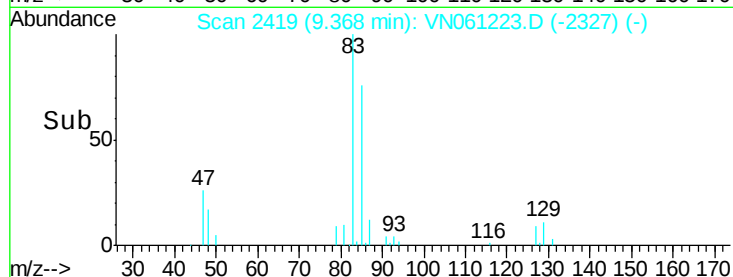
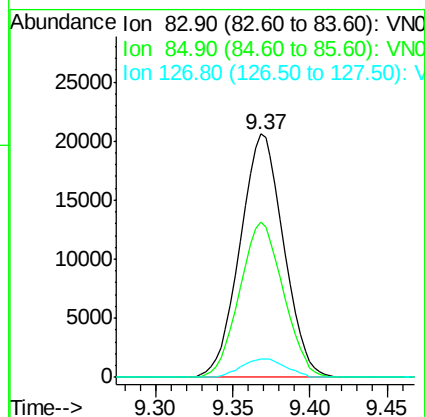
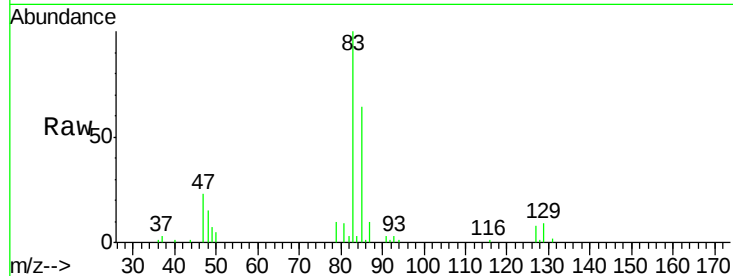
ClientSampleId :

VN0501WBS01

Tot Ion:	83	Resp:	40396
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.4	75.6
127	7.5	6.2	9.2

Manual Integrations
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MMDadoda
5/4/2020 2:57:58 PM



#48

Methyl methacrylate

Concen: 17.657 ug/l

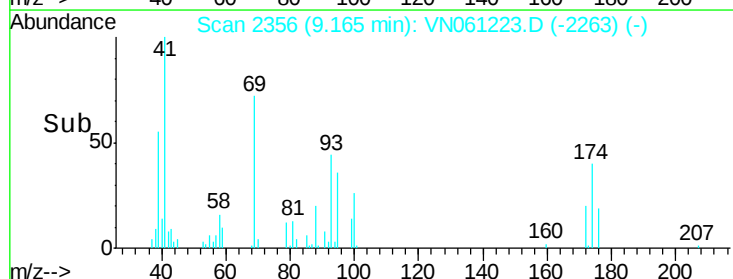
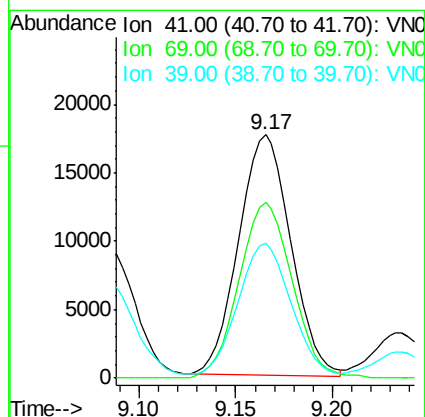
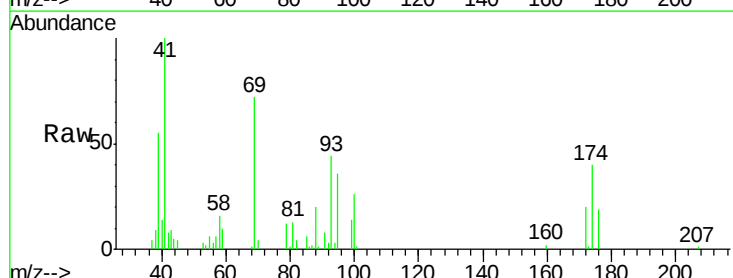
RT: 9.17 min Scan# 2356

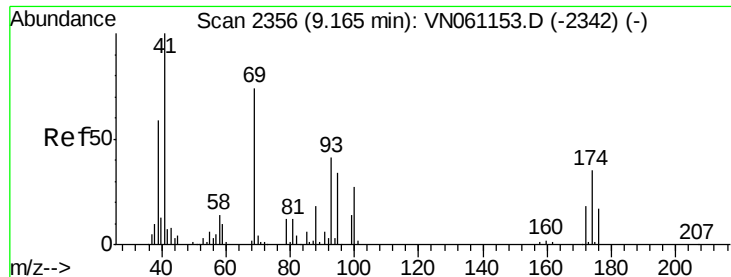
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	41	Resp:	33025
Ion	Ratio	Lower	Upper
41	100		
69	74.6	60.3	90.5
39	58.1	47.4	71.0





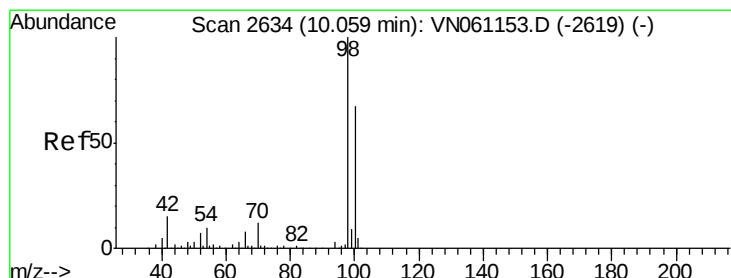
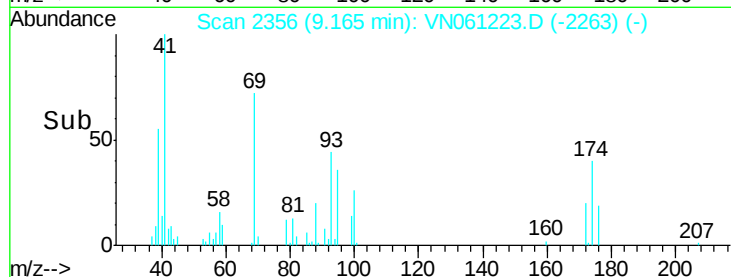
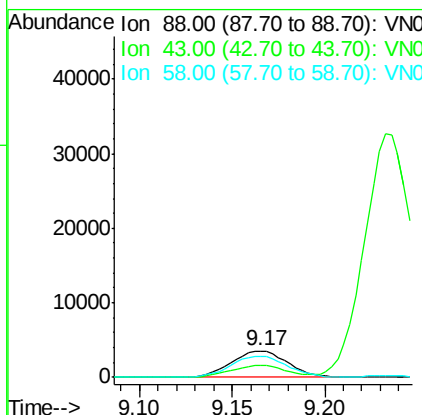
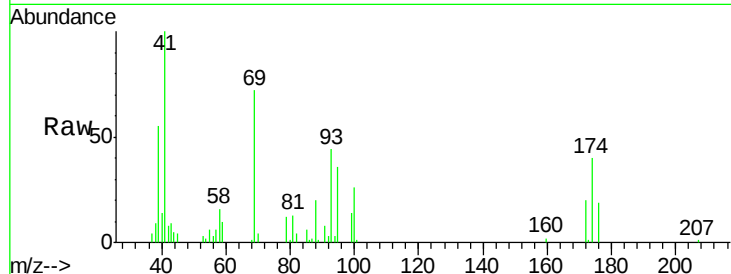
#49
1,4-Dioxane
Concen: 348.034 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	35.3	52.9
58	79.8	61.5	92.3

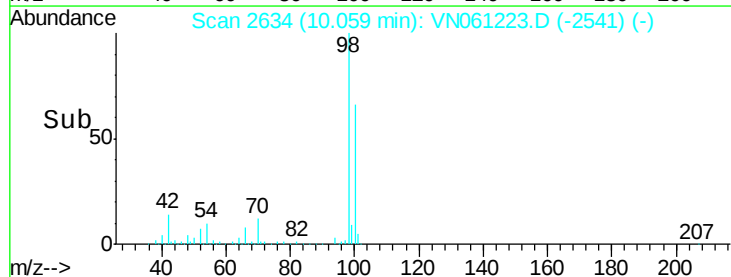
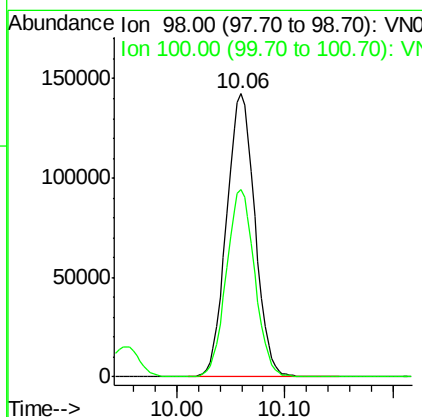
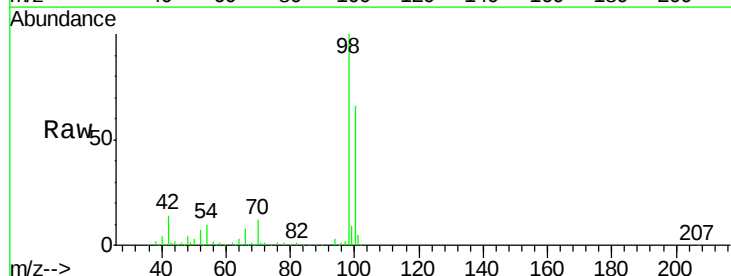
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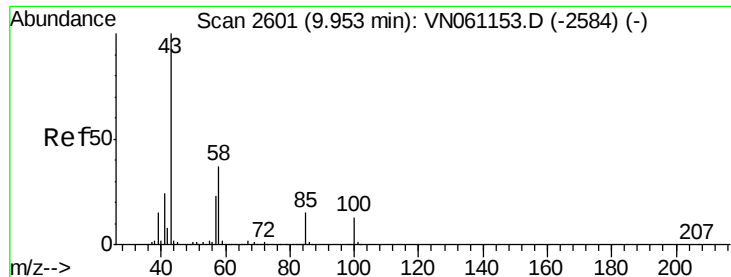
MMDadoda
5/4/2020 2:57:58 PM



#50
Toluene-d8
Concen: 50.958 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0





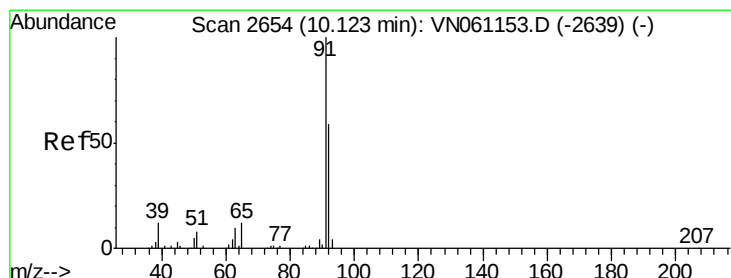
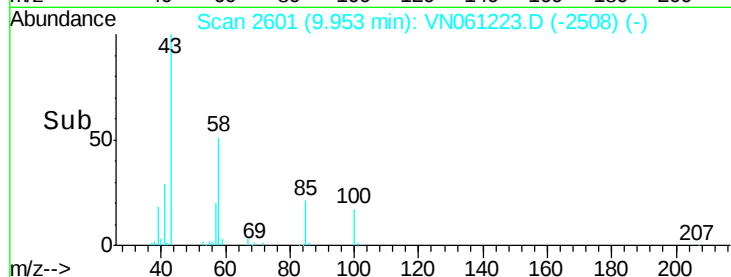
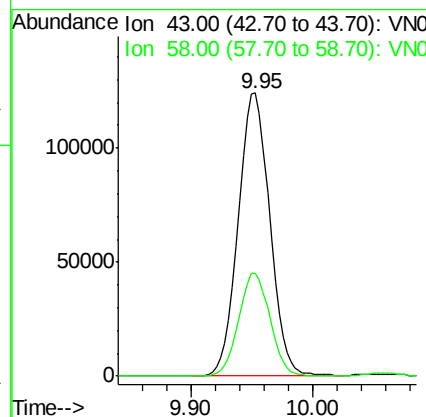
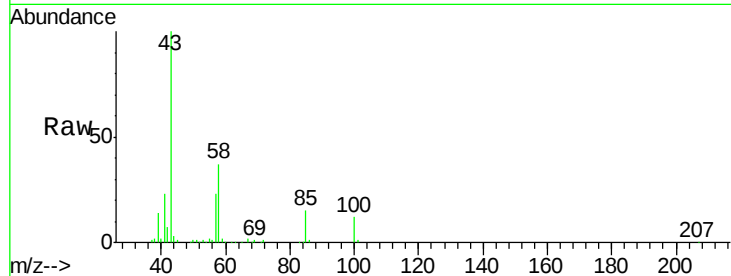
#51
4-Methyl-2-Pentanone
Concen: 91.622 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.1	43.7

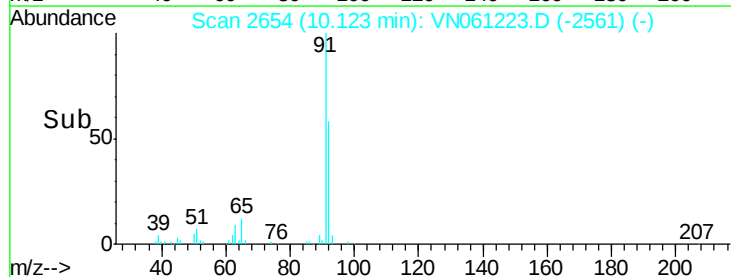
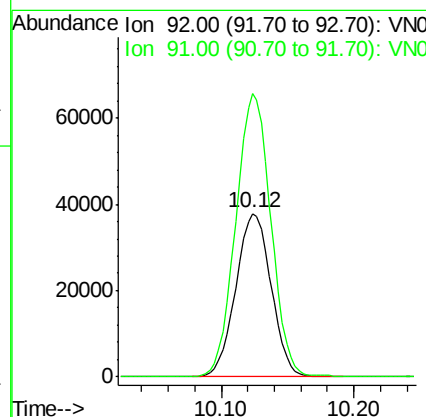
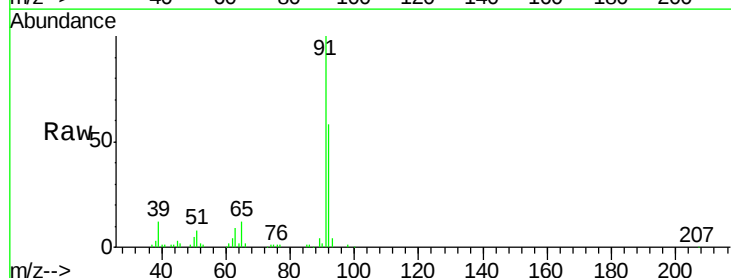
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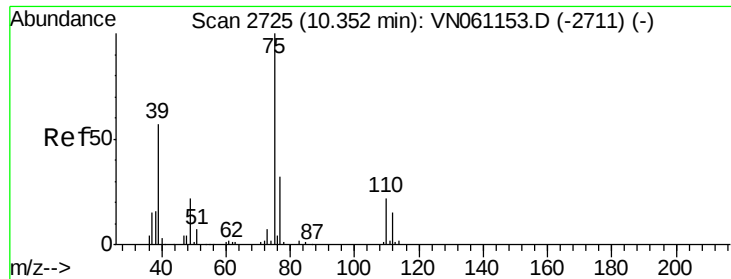
MMDadoda
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#52
Toluene
Concen: 18.366 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	136.2	204.2





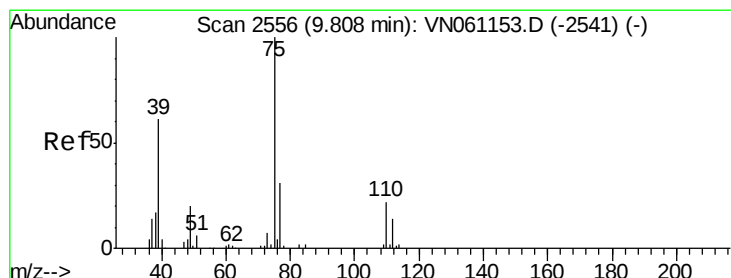
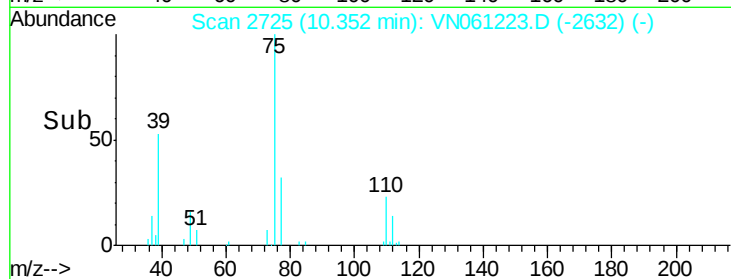
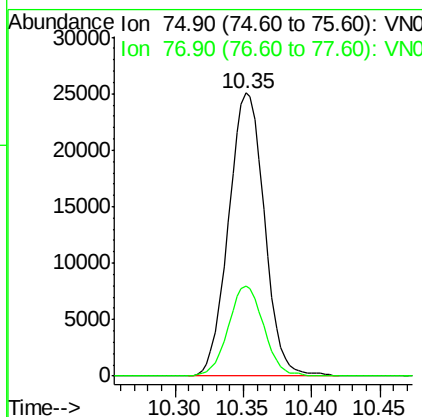
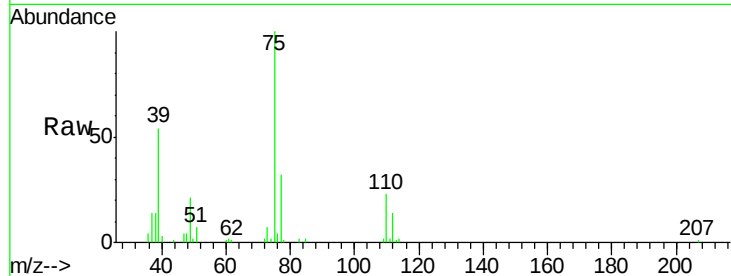
#53
t-1,3-Dichloropropene
Concen: 18.020 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

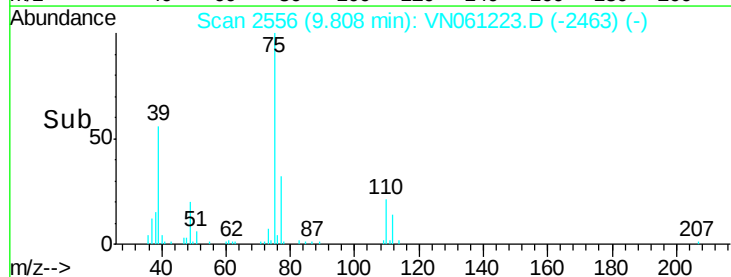
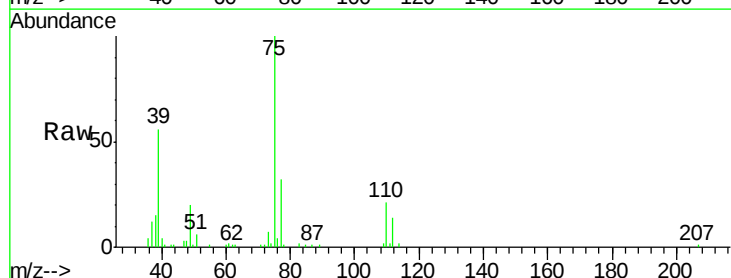
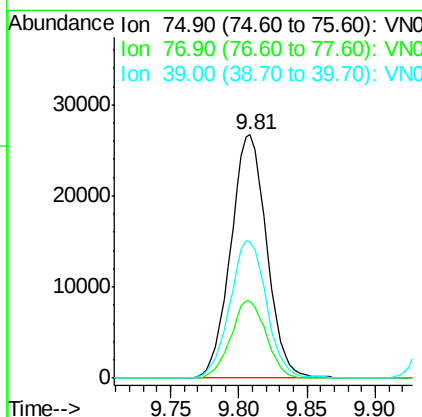
Manual Integrations
APPROVED

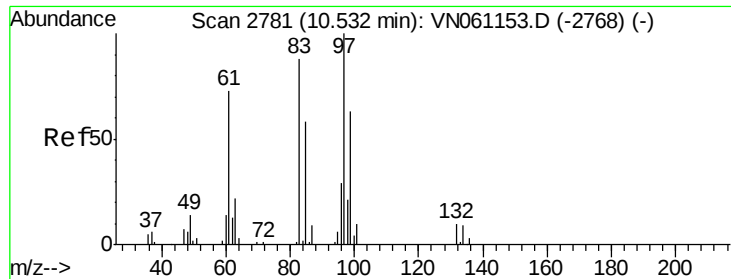
MMDadoda
5/4/2020 2:57:58 PM



#54
cis-1,3-Dichloropropene
Concen: 18.270 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	56.2	48.7	73.1





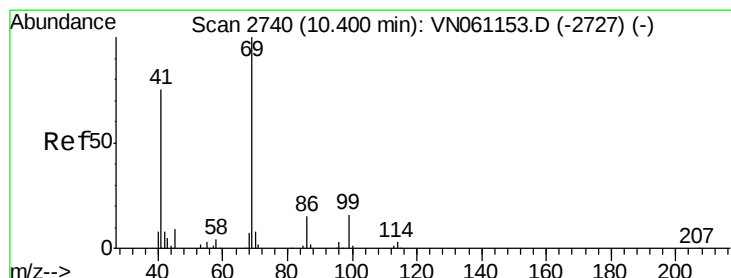
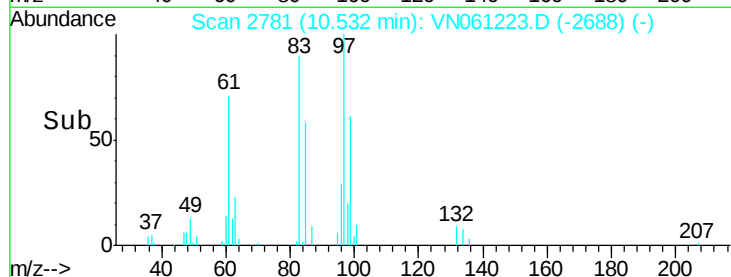
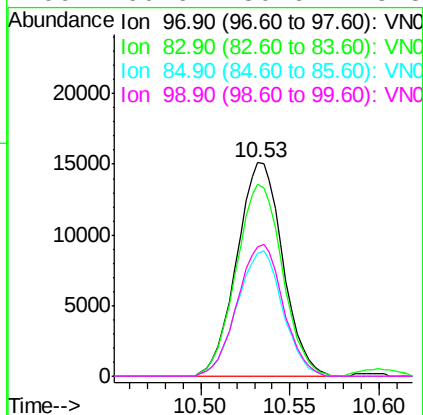
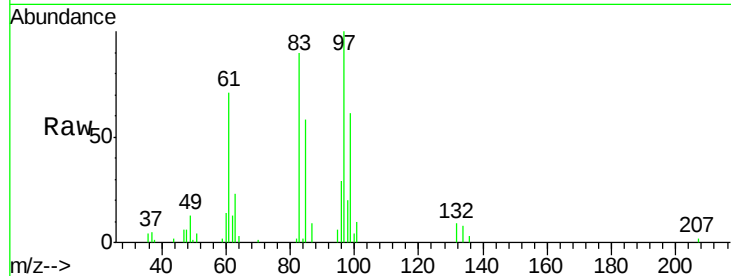
#55
 1,1,2-Trichloroethane
 Concen: 17.820 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion:	97	Resp:	27173
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.6	106.0
85	57.8	46.4	69.6
99	60.6	50.6	75.8

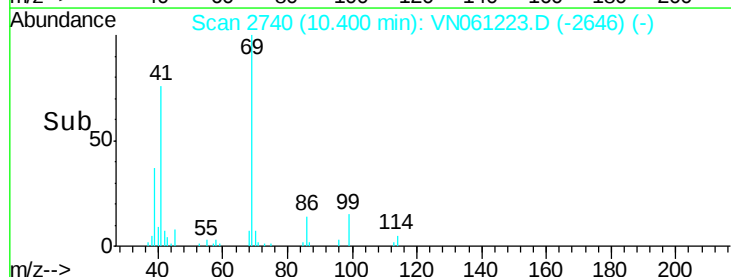
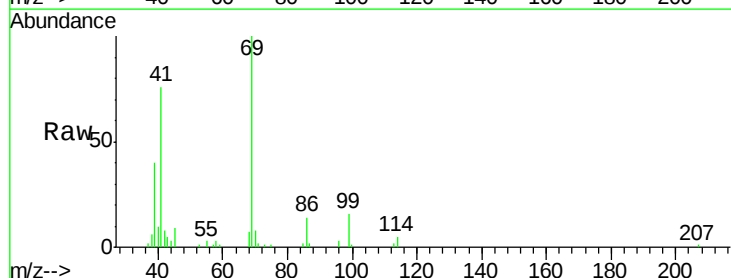
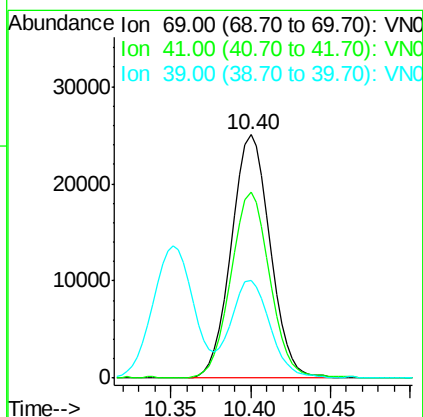
Manual Integrations
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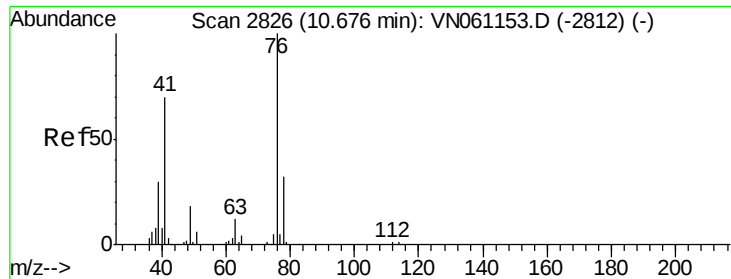
MMDadoda
 5/4/2020 2:57:58 PM



#56
 Ethyl methacrylate
 Concen: 17.465 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion:	69	Resp:	41419
Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.3	90.5
39	40.5	35.9	53.9





#57

1,3-Dichloropropane

Concen: 18.709 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 76 Resp: 50144

Ion Ratio Lower Upper

76 100

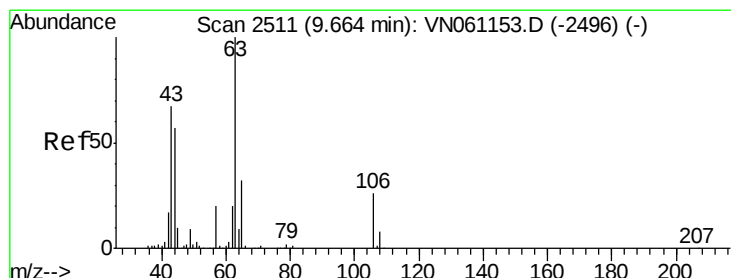
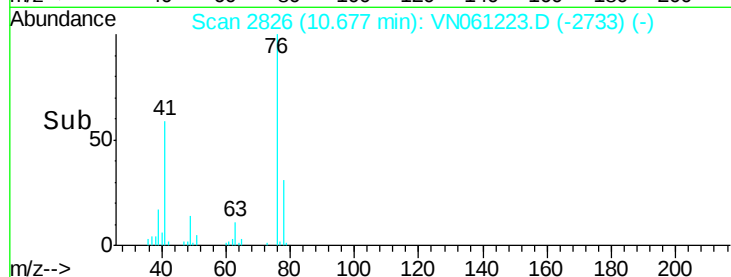
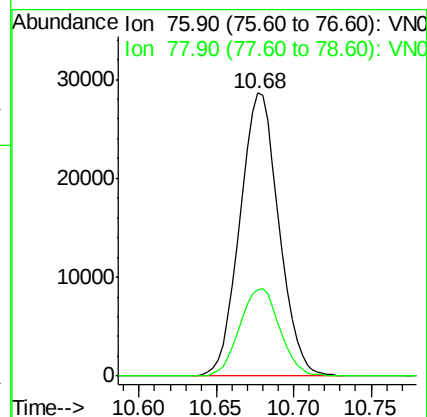
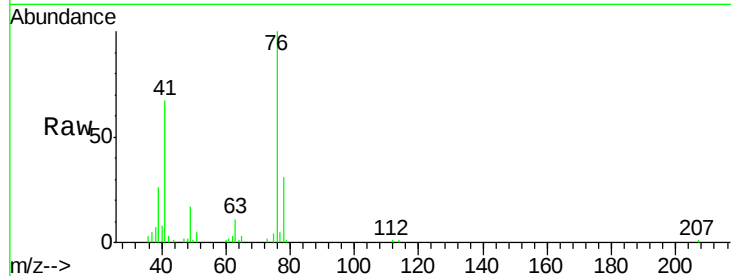
78 31.8 25.5 38.3

Manual Integrations

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MMDadoda

5/4/2020 2:57:58 PM



#58

2-Chloroethyl Vinyl ether

Concen: 93.690 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061223.D

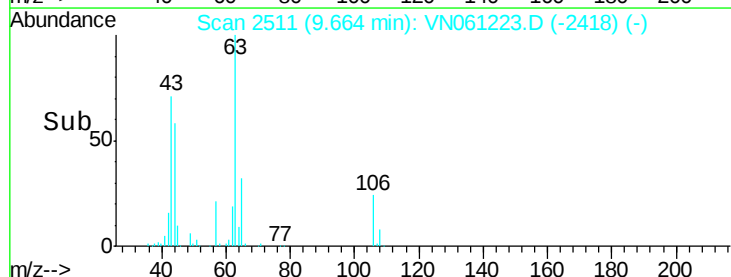
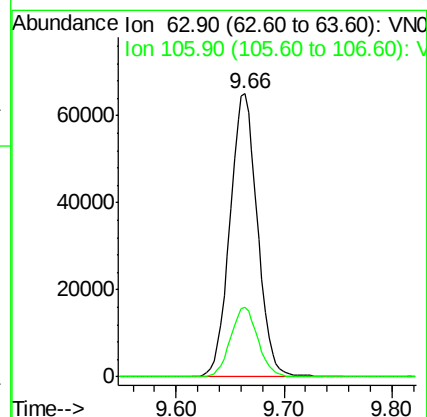
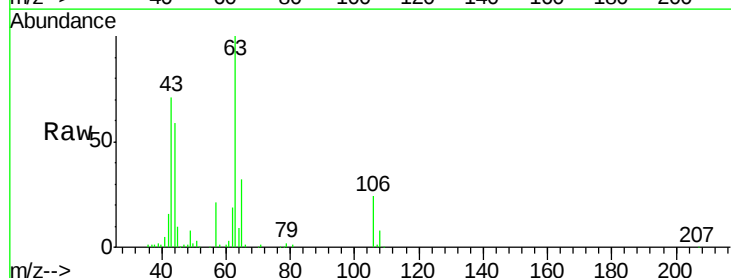
Acq: 1 May 2020 12:15

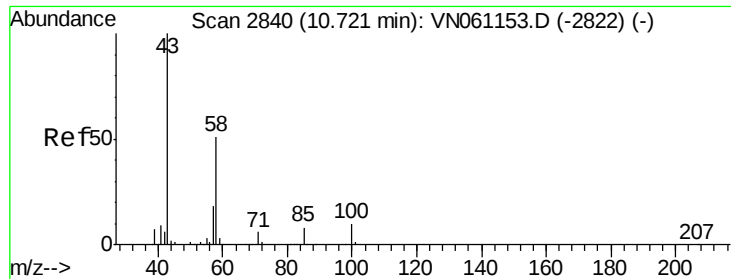
Tgt Ion: 63 Resp: 115638

Ion Ratio Lower Upper

63 100

106 24.4 20.6 30.8





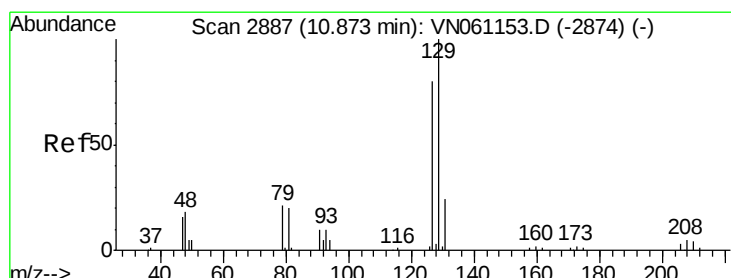
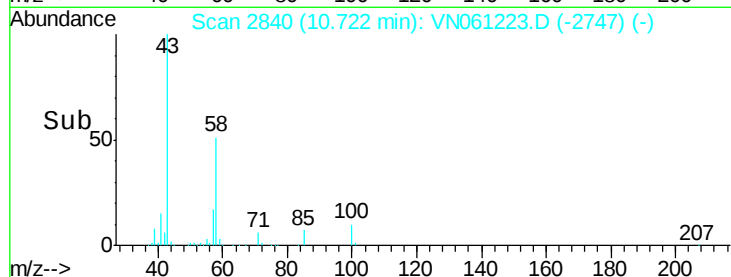
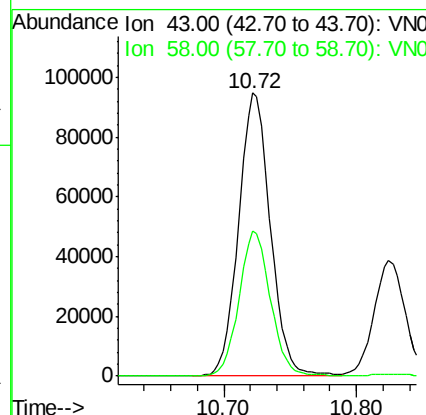
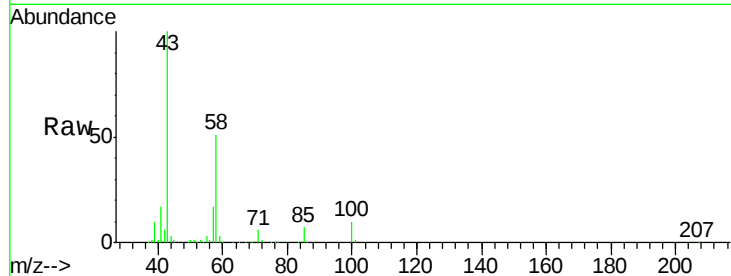
#59
2-Hexanone
Concen: 88.974 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0501WBS01

Tot Ion: 43 Resp: 157922
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

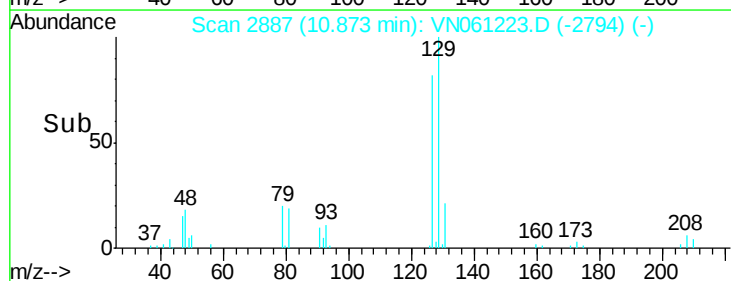
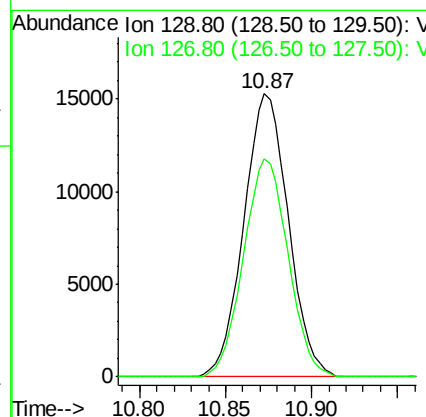
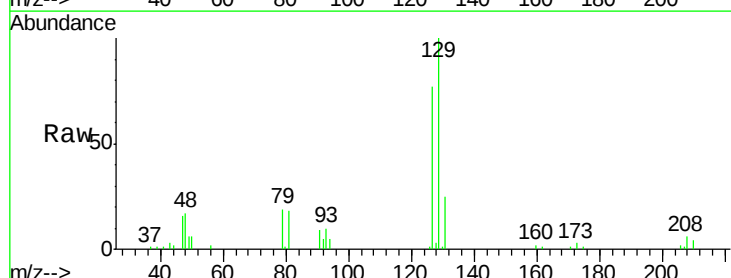
Manual Integrations
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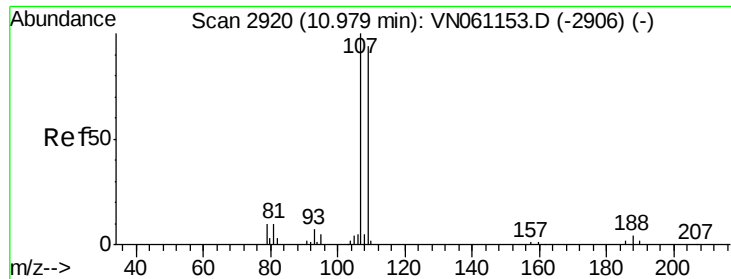
MMDadoda
5/4/2020 2:57:58 PM



#60
Dibromochloromethane
Concen: 17.171 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 129 Resp: 27422
Ion Ratio Lower Upper
129 100
127 77.1 39.3 117.8





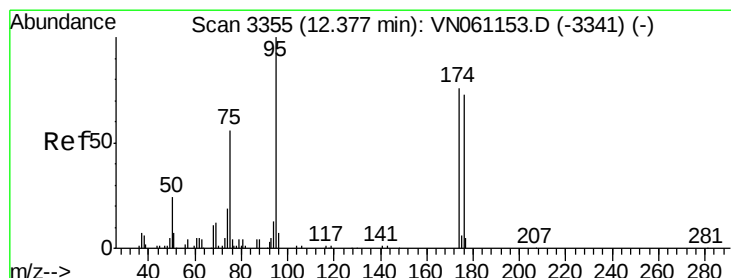
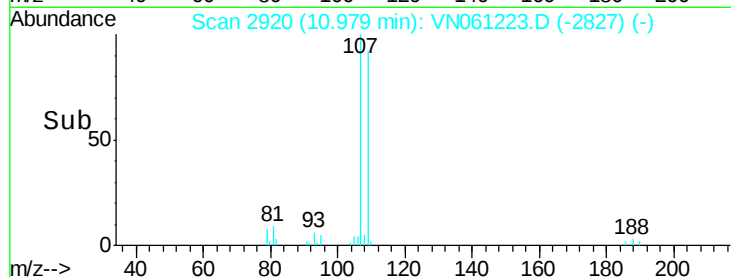
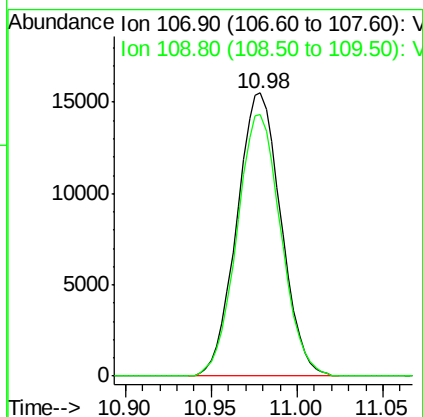
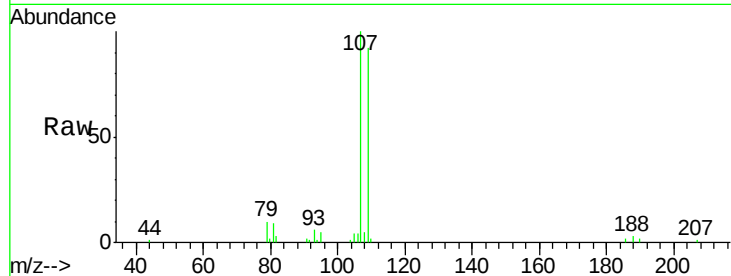
#61
 1,2-Dibromoethane
 Concen: 18.076 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.8	112.2

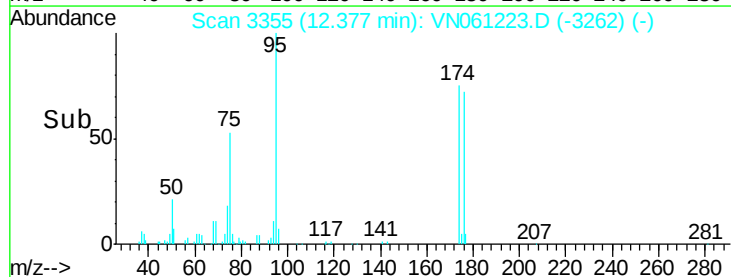
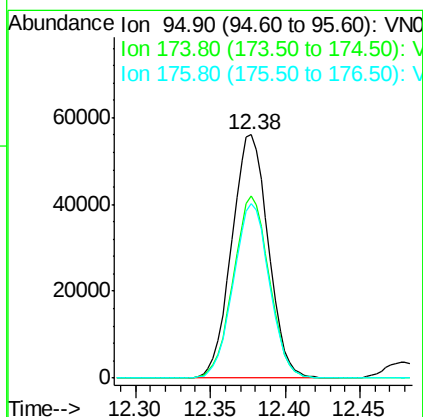
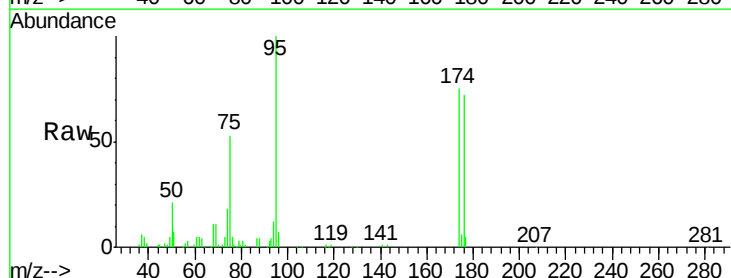
Manual Integrations
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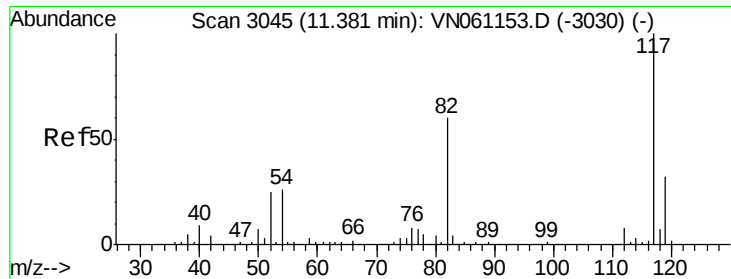
MMDadoda
 5/4/2020 2:57:58 PM



#62
 4-Bromofluorobenzene
 Concen: 49.416 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	149.4
176	70.7	0.0	144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

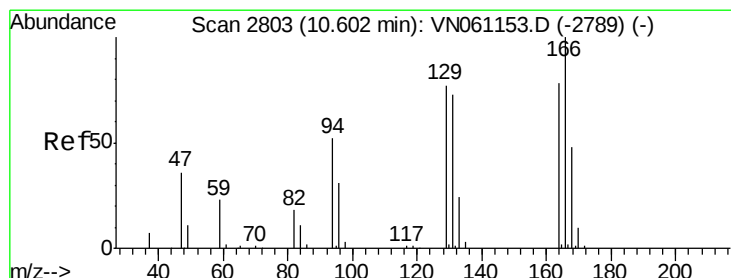
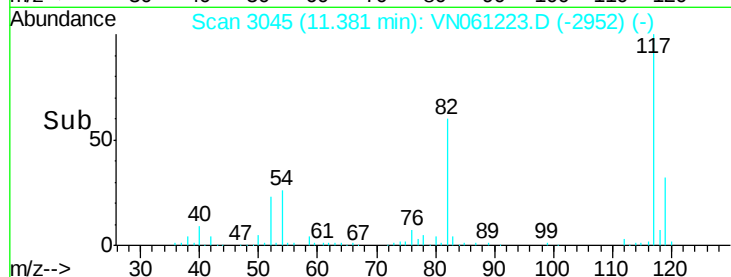
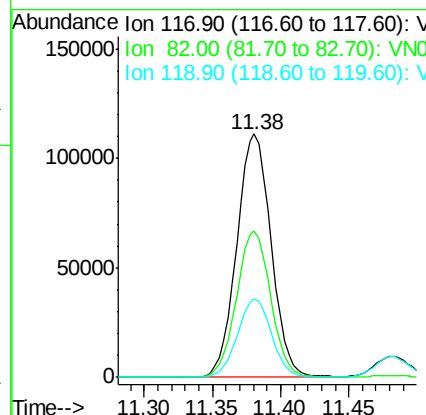
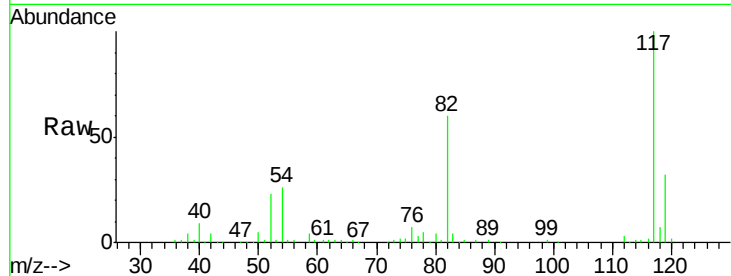
ClientSampleId :

VN0501WBS01

Tot Ion:	117	Resp:	193941
Ion Ratio	Lower	Upper	
117	100		
82	60.0	47.8	71.8
119	32.2	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 17.579 ug/l

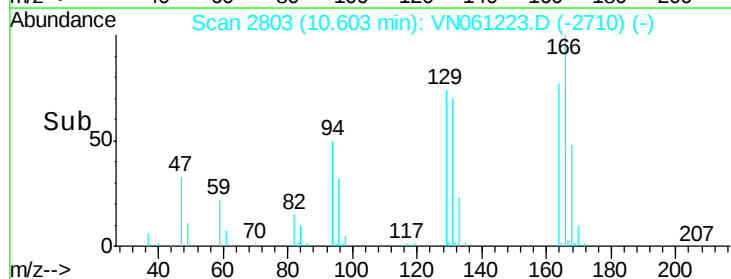
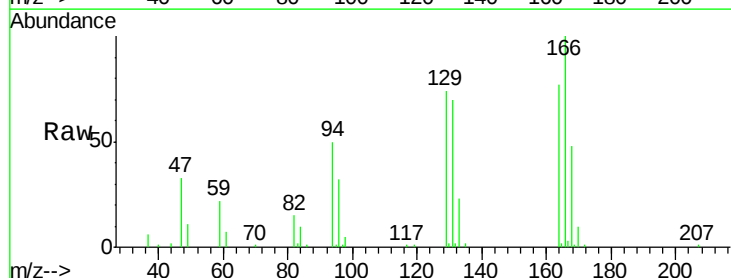
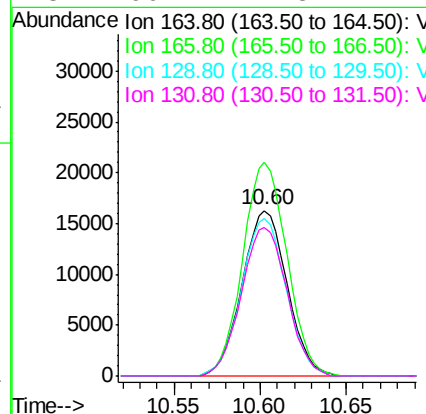
RT: 10.60 min Scan# 2803

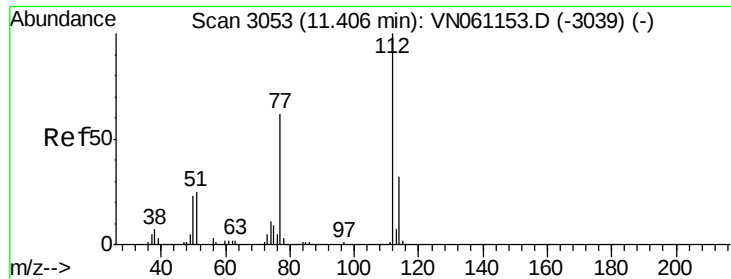
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	164	Resp:	29528
Ion Ratio	Lower	Upper	
164	100		
166	129.1	102.0	153.0
129	95.2	78.2	117.2
131	90.1	74.5	111.7





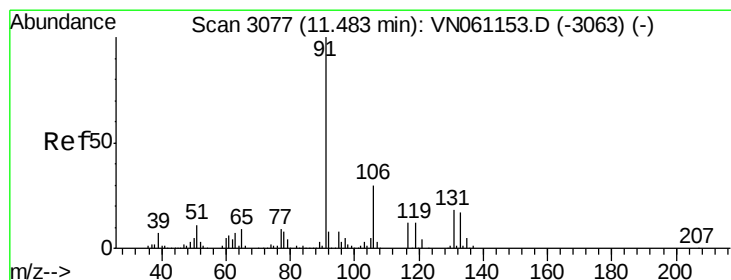
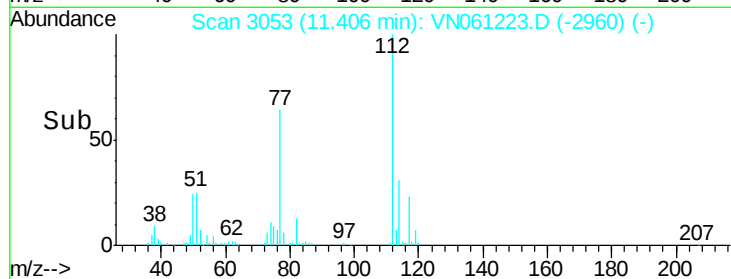
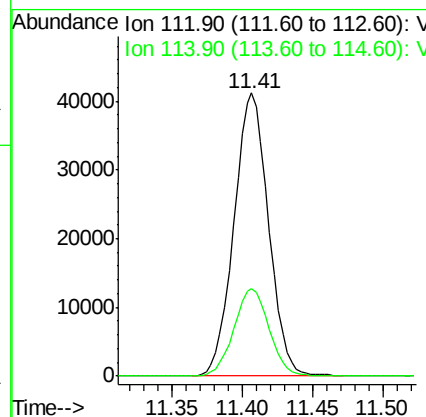
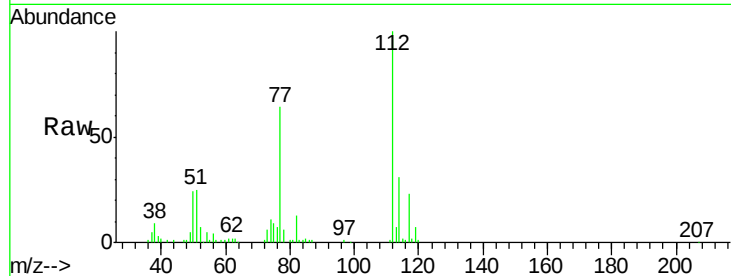
#65
Chlorobenzene
Concen: 18.314 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion:112 Resp: 70456
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2

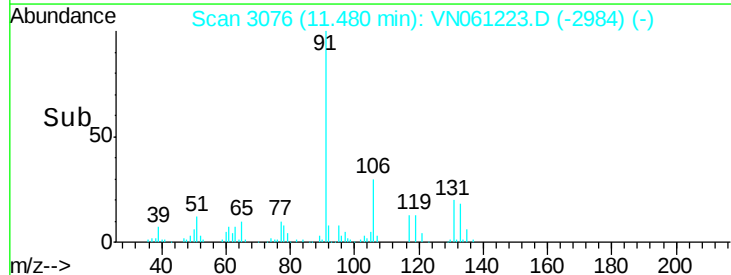
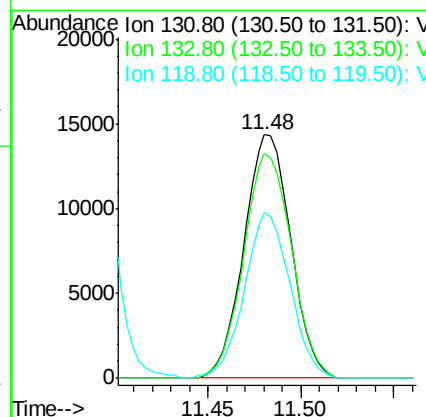
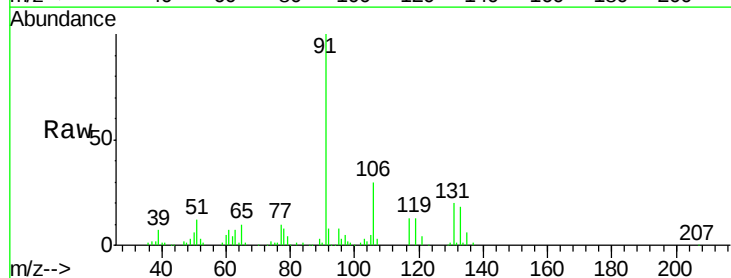
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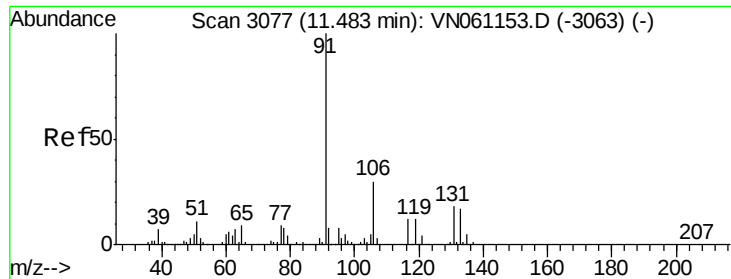
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.289 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion:131 Resp: 25182
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.2
119 66.1 32.6 97.8





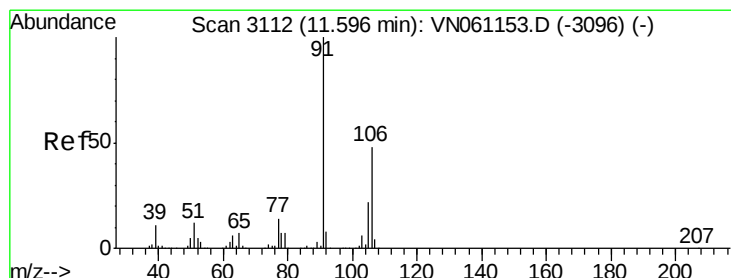
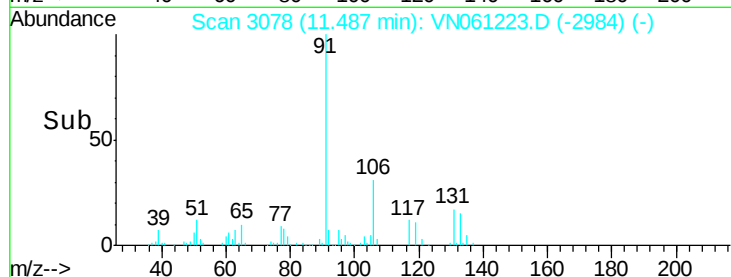
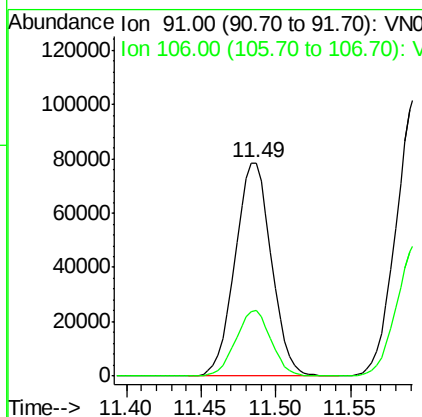
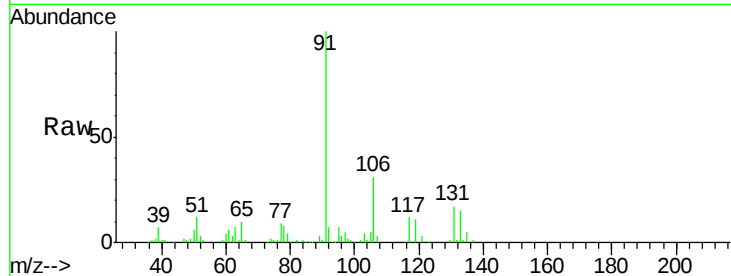
#67
Ethyl Benzene
Concen: 18.423 ug/l
RT: 11.49 min Scan# 3078
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 91 Resp: 132682
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6

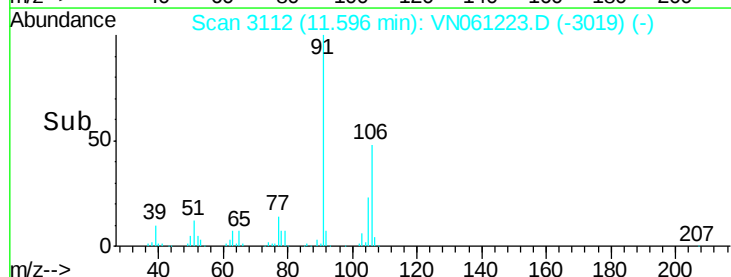
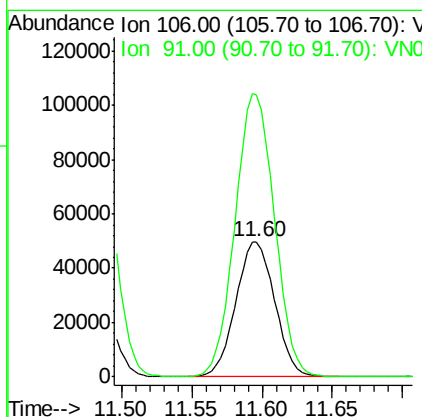
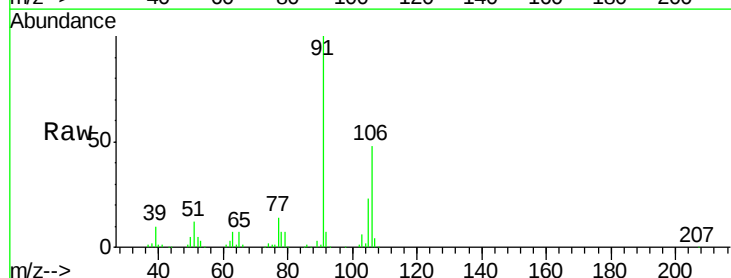
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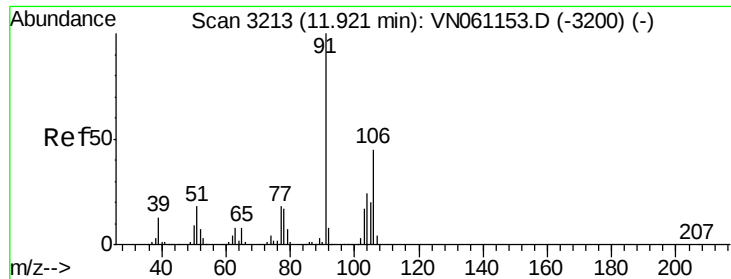
MMDadoda
5/4/2020 2:57:58 PM



#68
m/p-Xylenes
Concen: 36.503 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 106 Resp: 96225
Ion Ratio Lower Upper
106 100
91 212.2 166.4 249.6





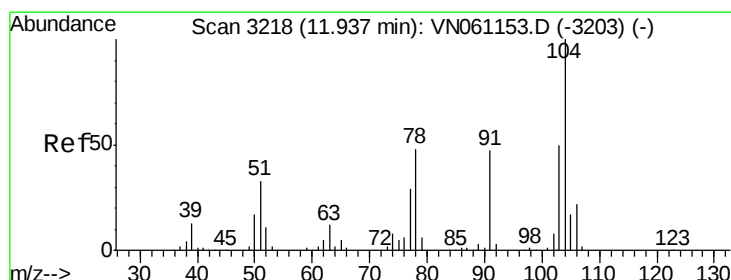
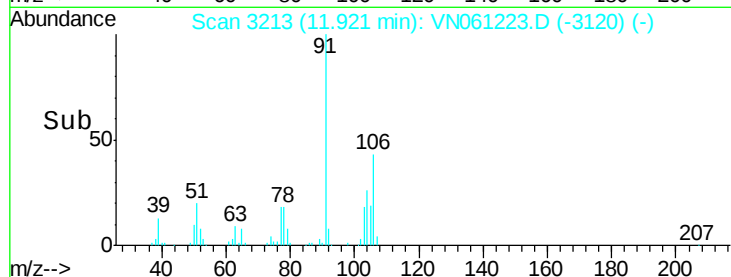
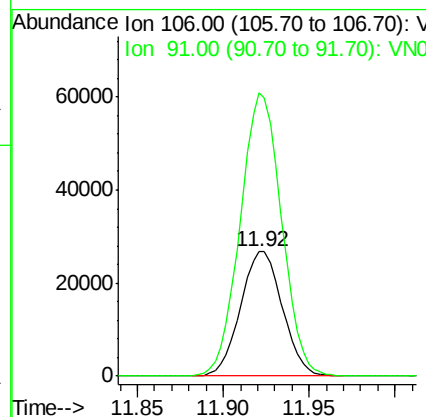
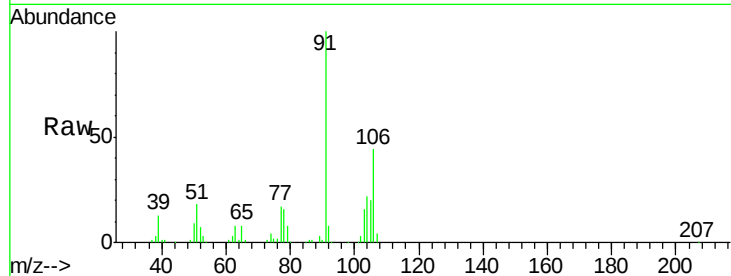
#69
o-Xylene
Concen: 17.897 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion:106 Resp: 45317
Ion Ratio Lower Upper
106 100
91 224.0 109.7 329.0

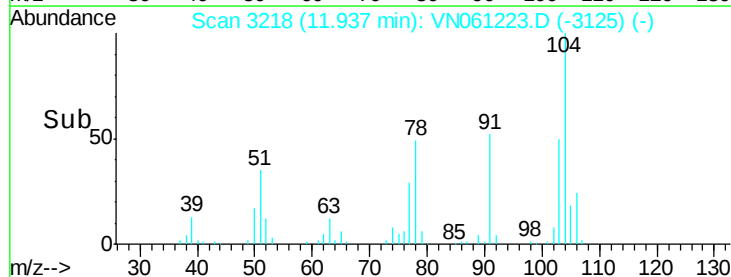
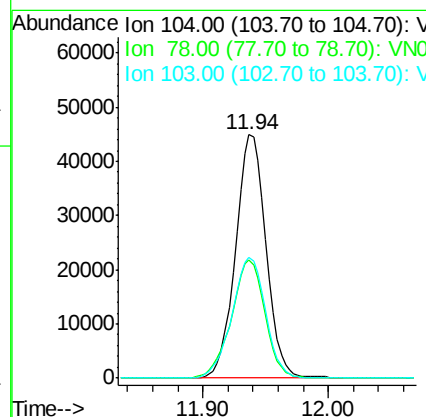
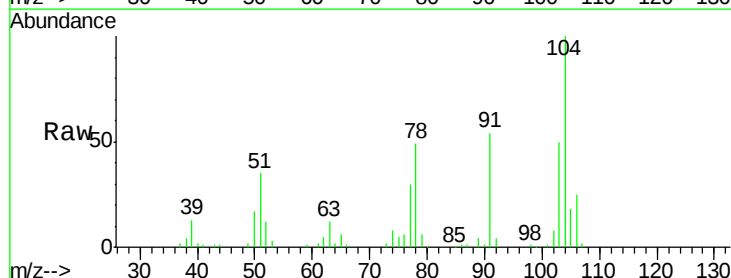
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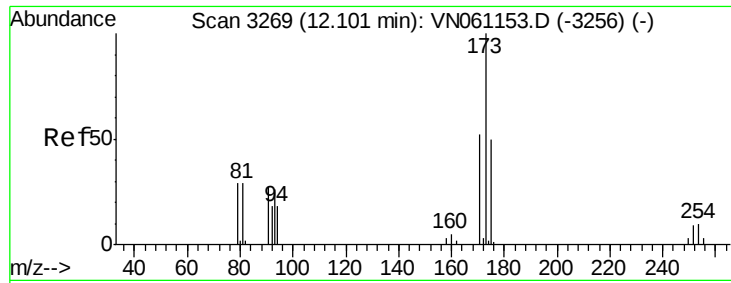
MMDadoda
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#70
Styrene
Concen: 17.840 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion:104 Resp: 75606
Ion Ratio Lower Upper
104 100
78 53.4 42.1 63.1
103 54.5 43.3 64.9





#71

Bromoform

Concen: 17.786 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion:173 Resp: 17999

Ion Ratio Lower Upper

173 100

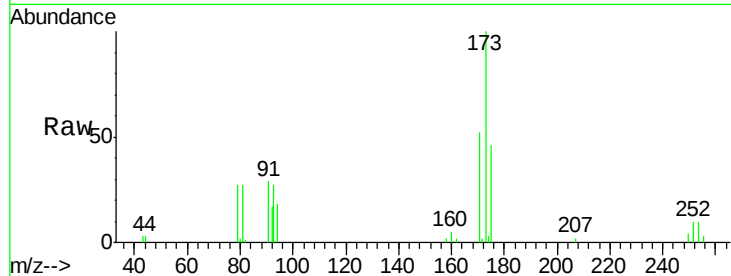
175 46.4 24.1 72.4

254 0.0 0.0 0.0

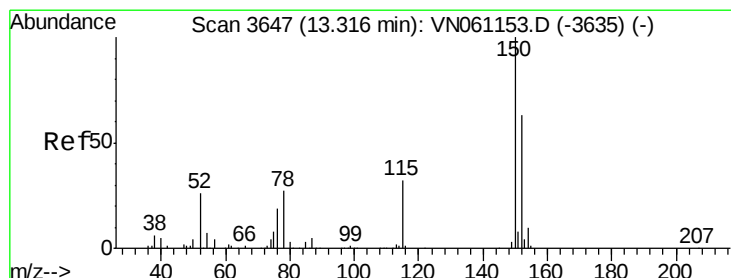
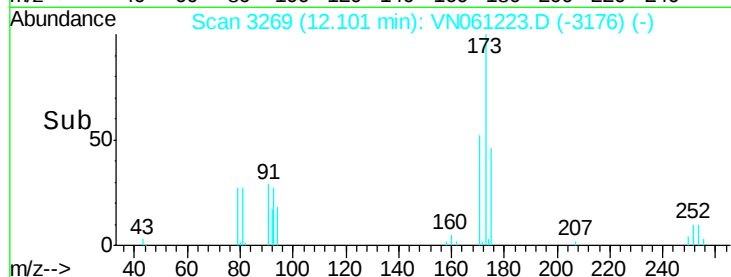
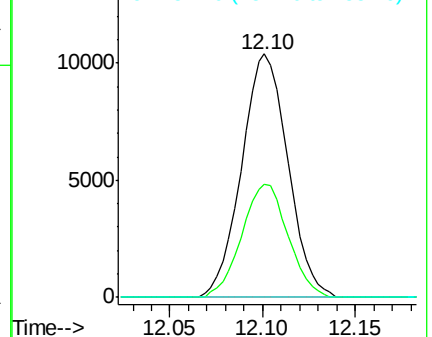
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

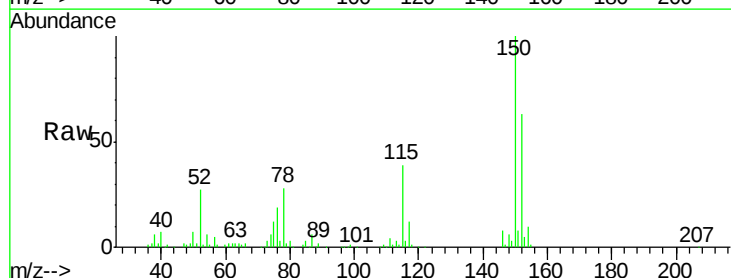
Tgt Ion:152 Resp: 90498

Ion Ratio Lower Upper

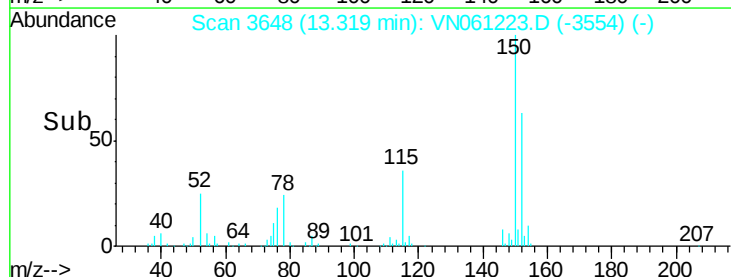
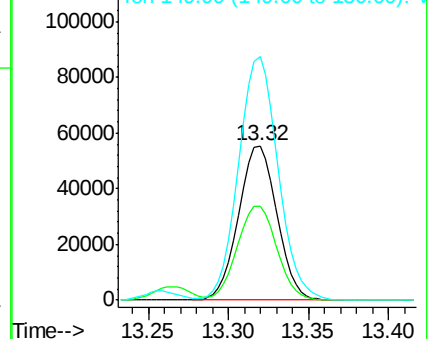
152 100

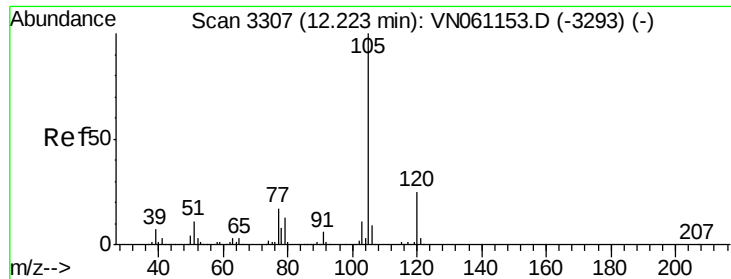
115 62.9 31.0 93.0

150 162.7 0.0 351.8



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





#73

Isopropylbenzene

Concen: 18.593 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

Tot Ion: 105 Resp: 123696

Ion Ratio Lower Upper

105 100

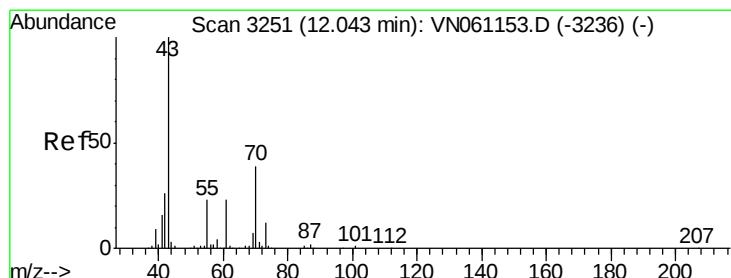
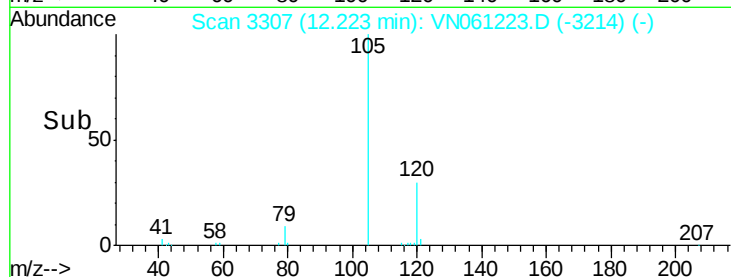
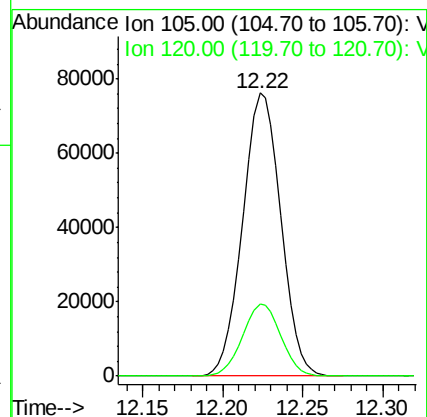
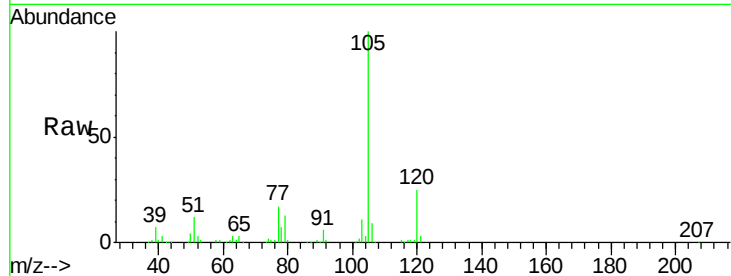
120 25.5 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.833 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion: 43 Resp: 60079

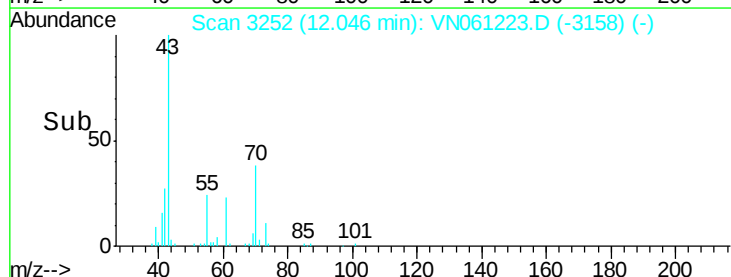
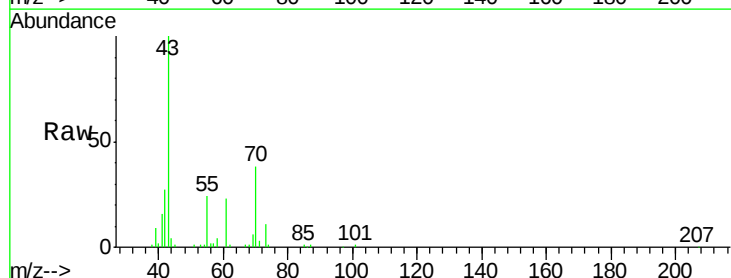
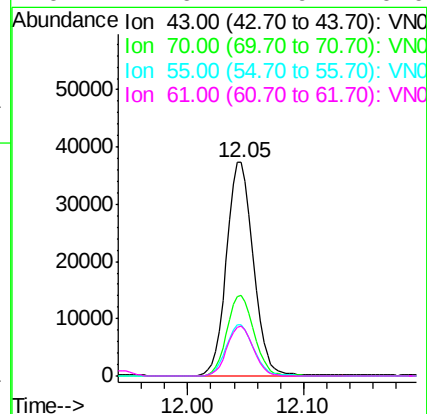
Ion Ratio Lower Upper

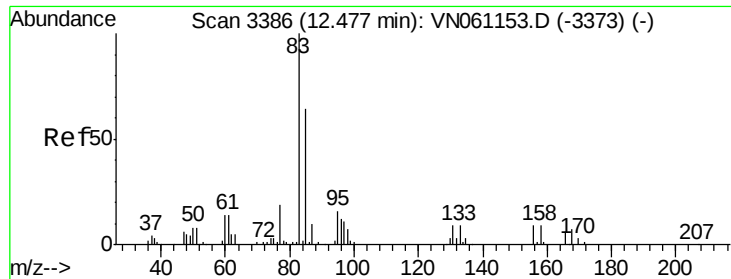
43 100

70 37.8 30.6 46.0

55 24.5 18.5 27.7

61 22.6 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.901 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

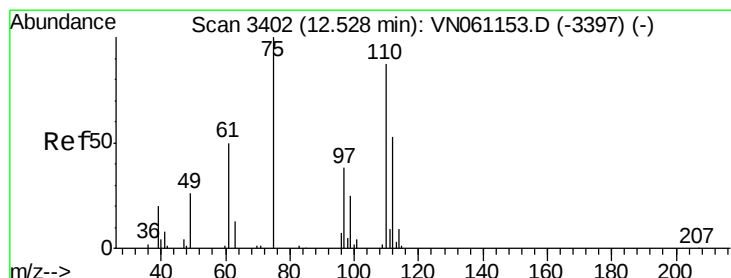
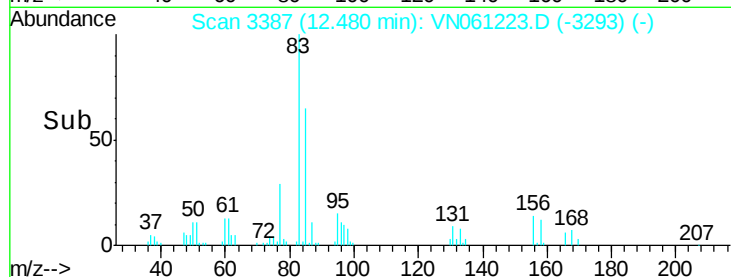
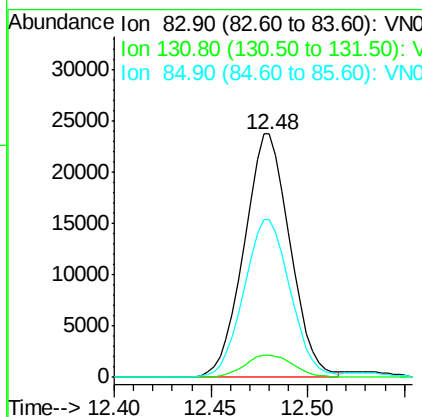
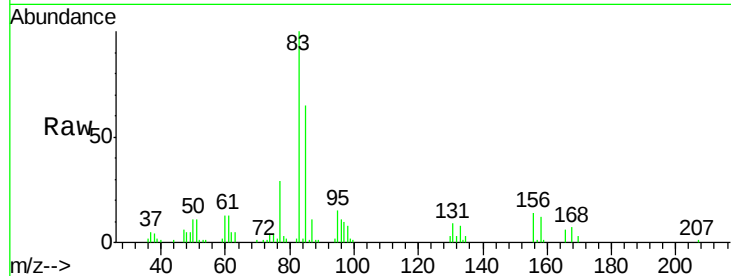
ClientSampleId :

VN0501WBS01

Tot Ion:	83	Resp:	39210
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	65.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.690 ug/l m

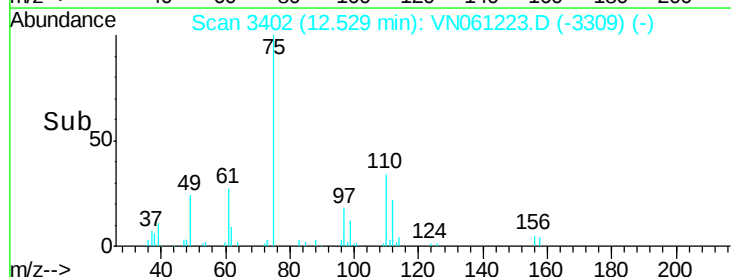
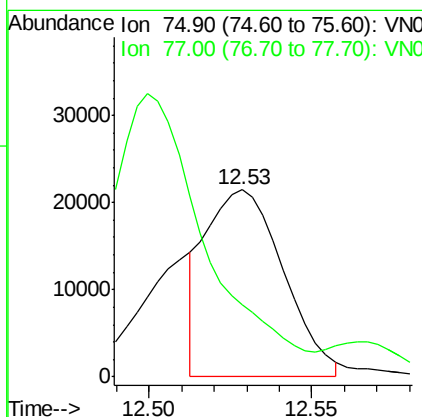
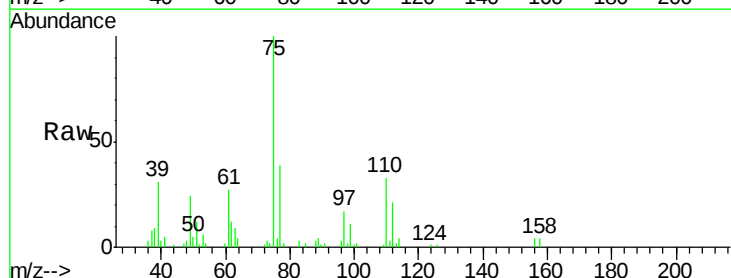
RT: 12.53 min Scan# 3402

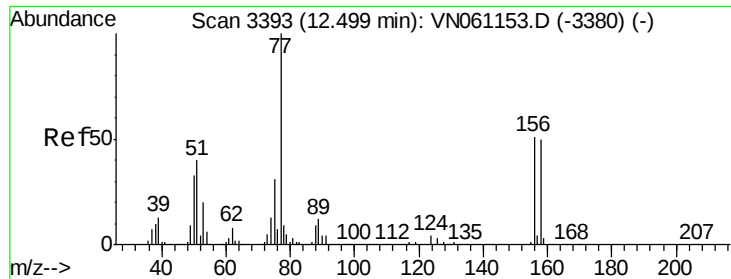
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	75	Resp:	35660
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.501 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

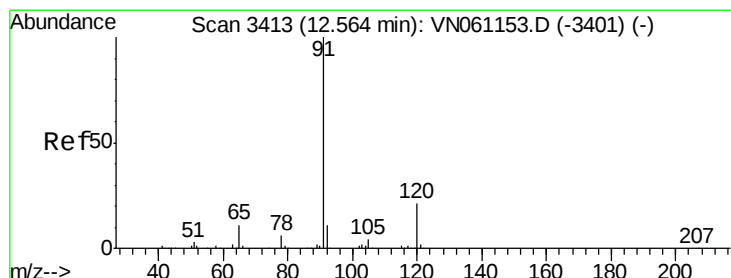
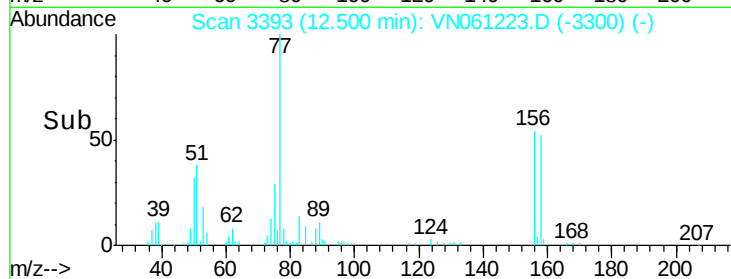
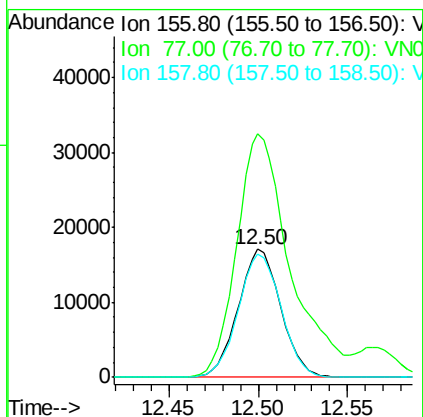
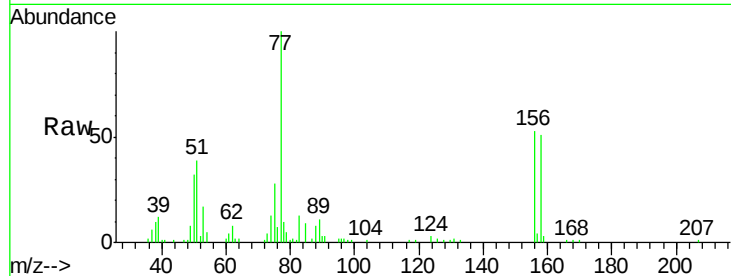
ClientSampleId :

VN0501WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	238.8	117.4	352.2
158	97.0	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 18.814 ug/l

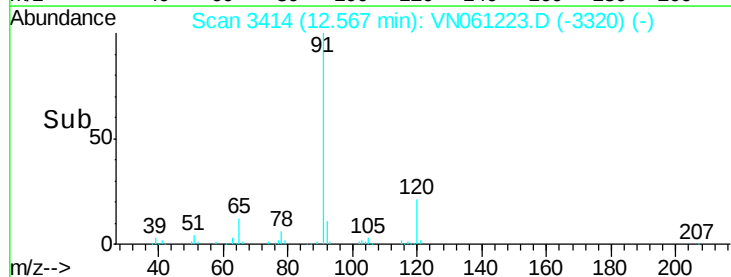
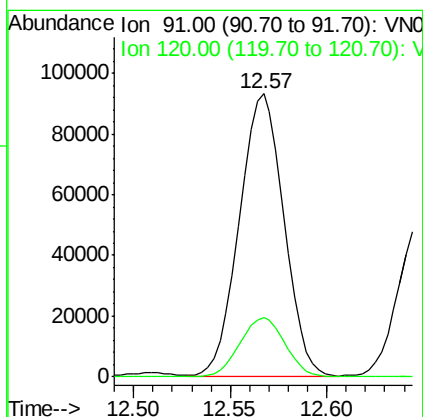
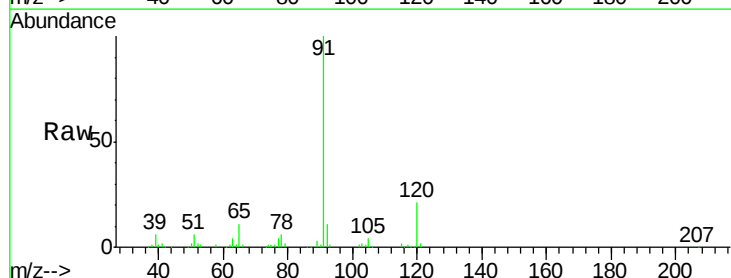
RT: 12.57 min Scan# 3414

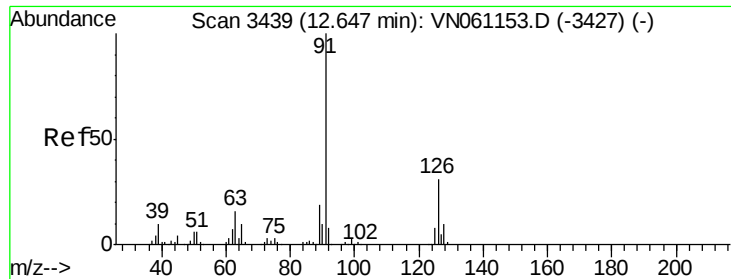
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3





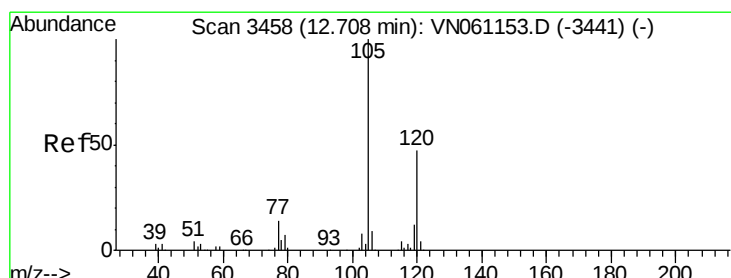
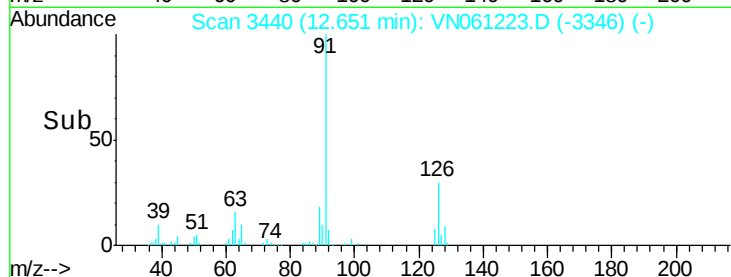
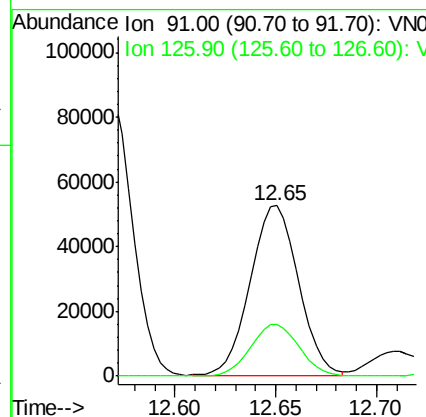
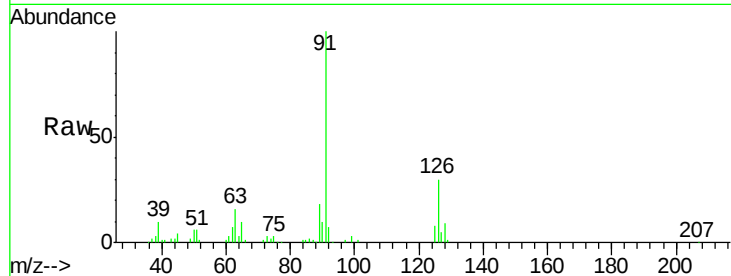
#79
 2-Chlorotoluene
 Concen: 18.963 ug/l
 RT: 12.65 min Scan# 3440
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0501WBS01

Tot Ion: 91 Resp: 87953
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.9 47.7

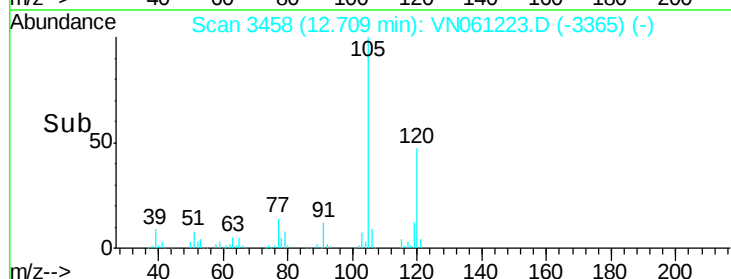
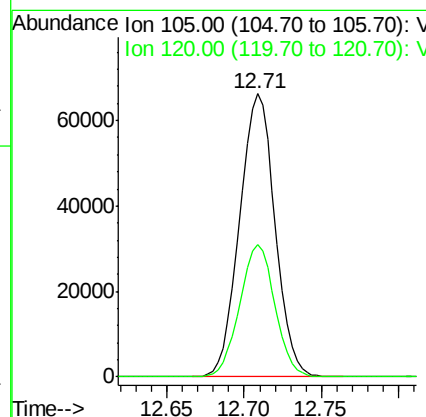
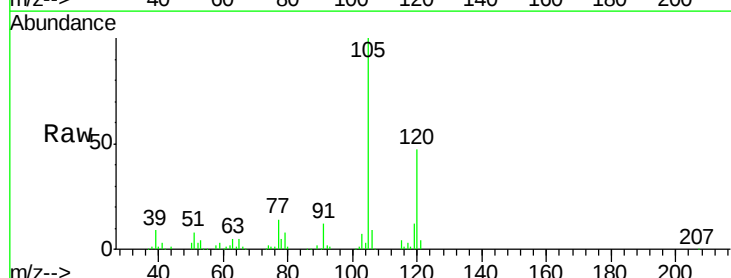
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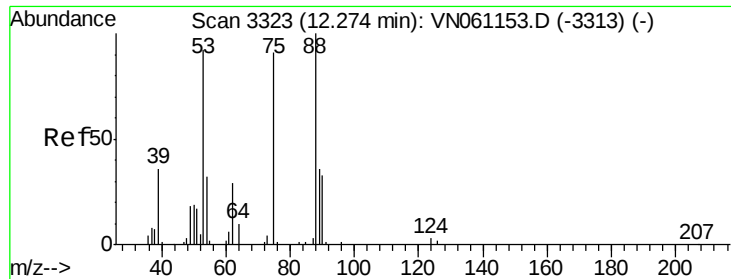
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.108 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 105 Resp: 105216
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.831 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

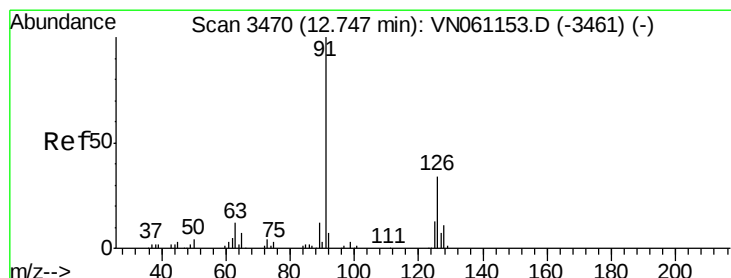
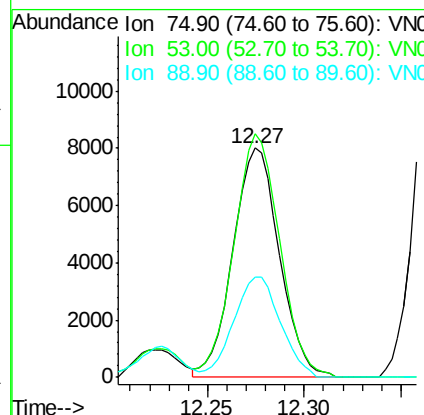
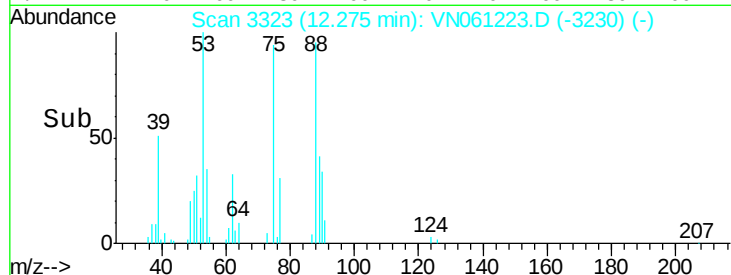
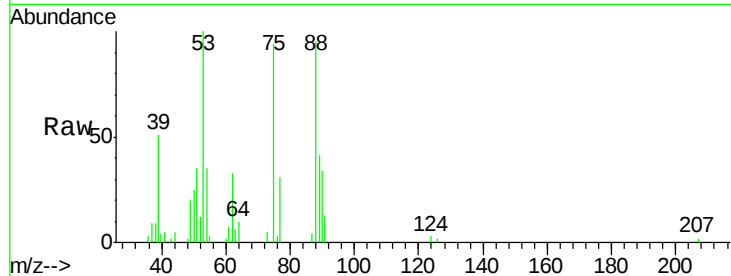
ClientSampleId :

VN0501WBS01

Tot Ion:	75	Resp:	13397
Ion	Ratio	Lower	Upper
75	100		
53	104.7	84.1	126.1
89	44.0	35.2	52.8

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#82

4-Chlorotoluene

Concen: 18.499 ug/l

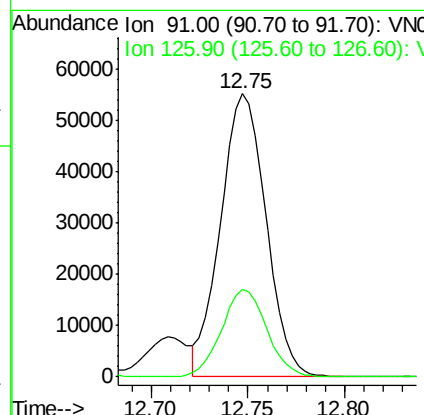
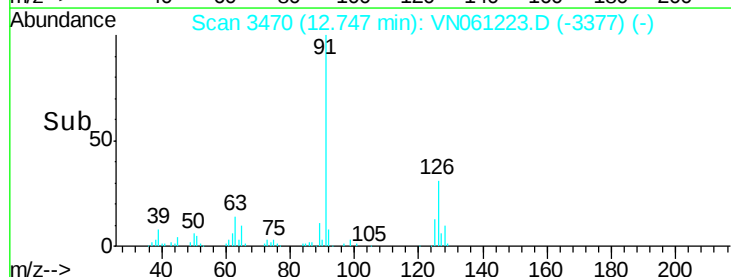
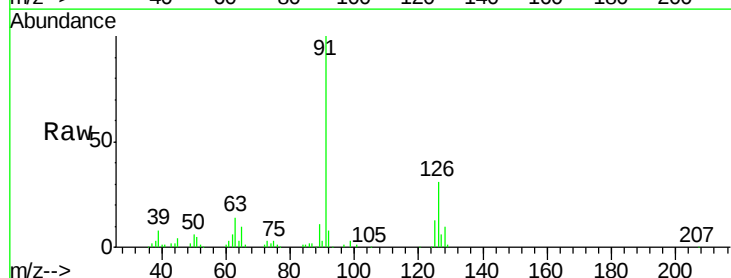
RT: 12.75 min Scan# 3470

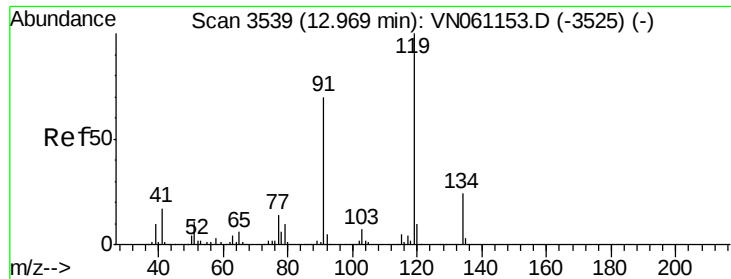
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	91	Resp:	90431
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.7	47.1





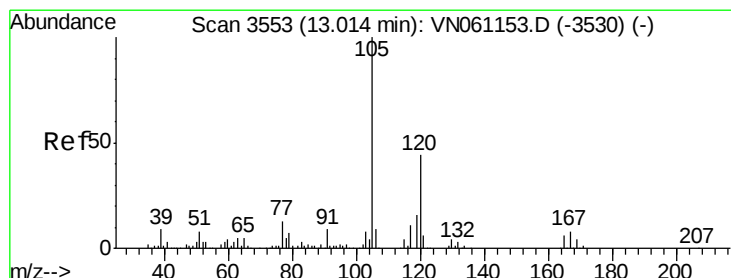
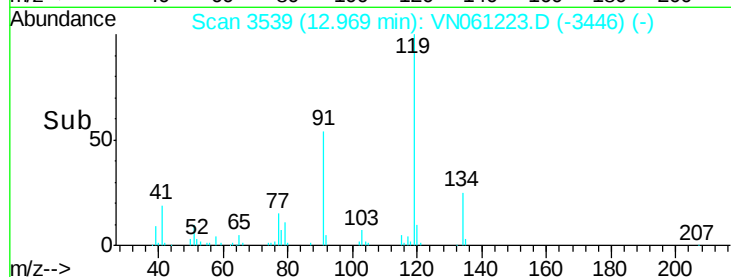
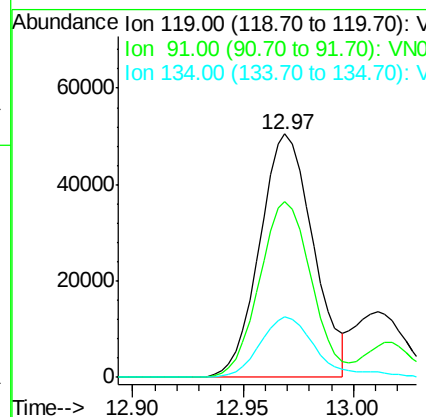
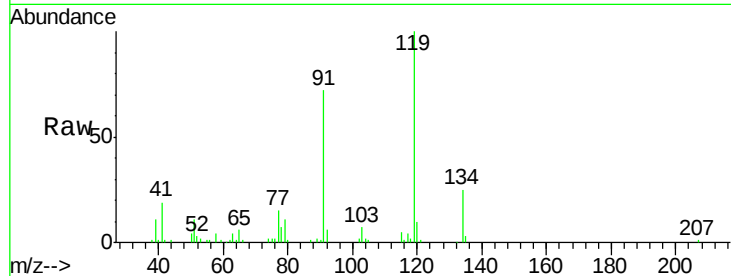
#83
tert-Butylbenzene
Concen: 18.306 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.8	104.4
134	26.2	12.9	38.7

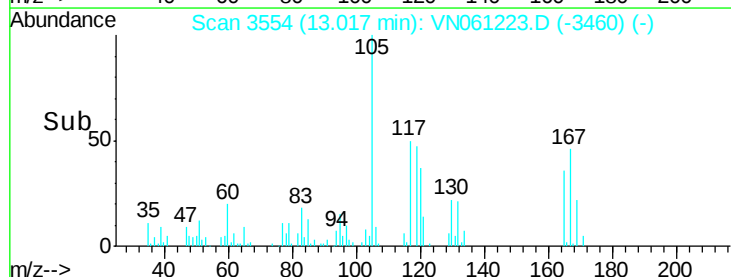
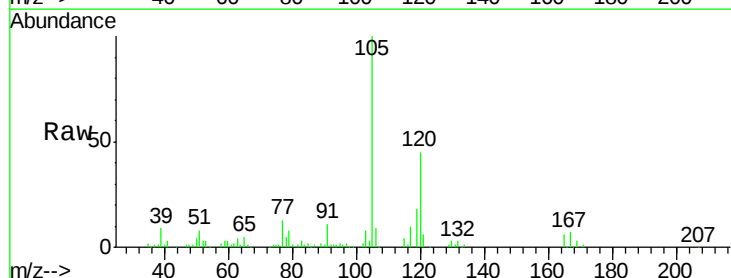
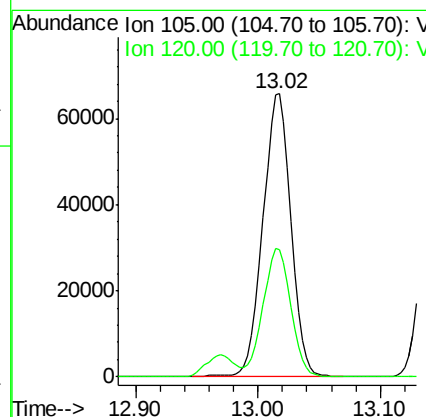
Manual Integrations
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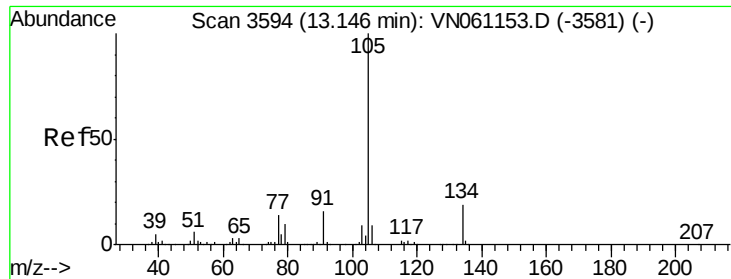
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#84
1,2,4-Trimethylbenzene
Concen: 18.426 ug/l
RT: 13.02 min Scan# 3554
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.2	66.6





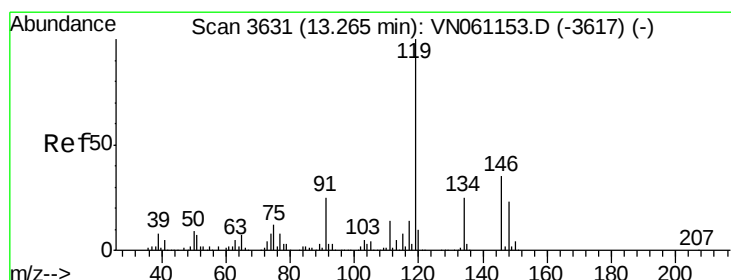
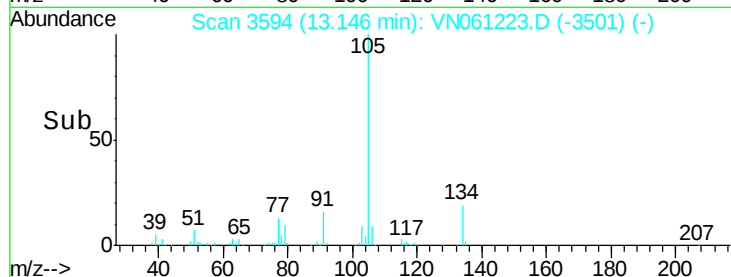
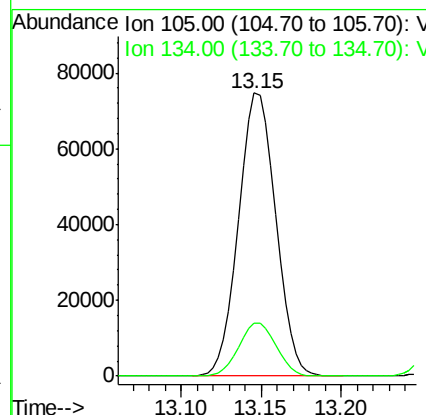
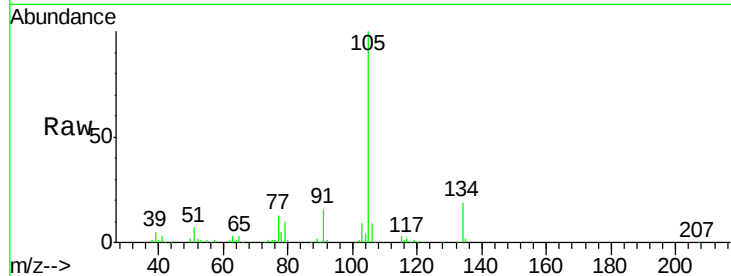
#85
 sec-Butylbenzene
 Concen: 18.701 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.8

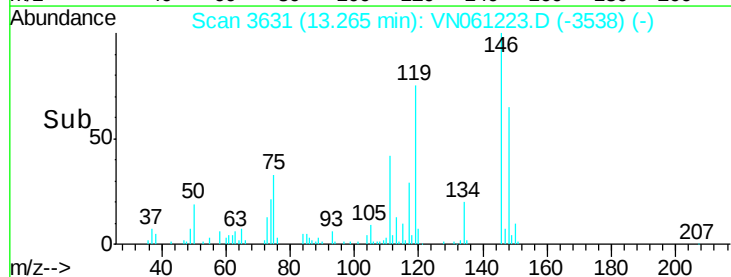
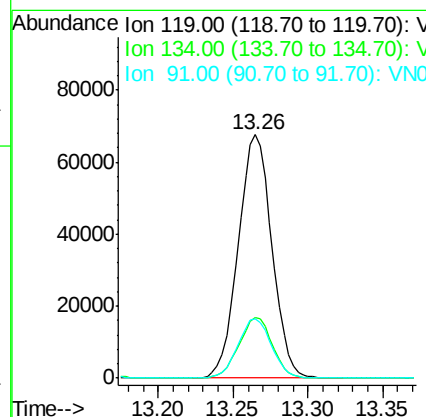
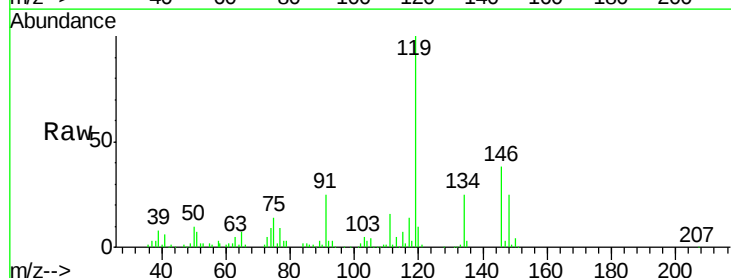
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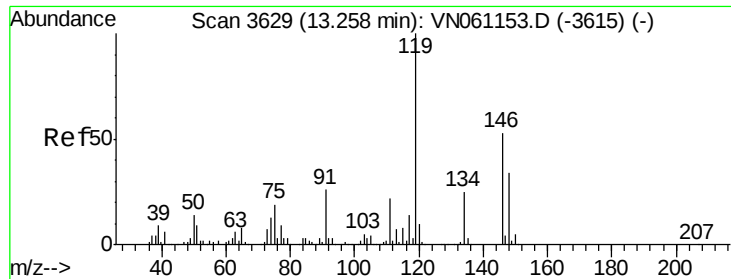
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#86
 p-Isopropyltoluene
 Concen: 18.524 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.6
91	24.4	12.7	38.0





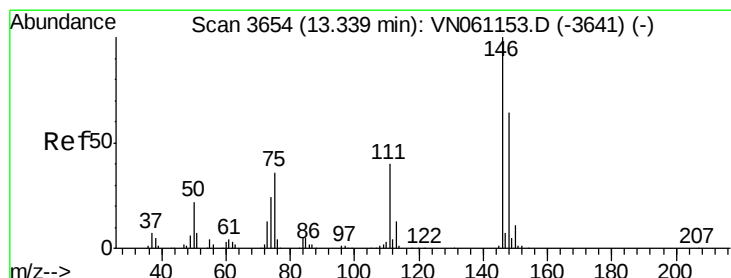
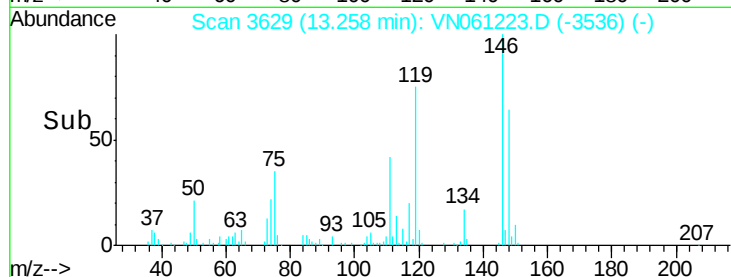
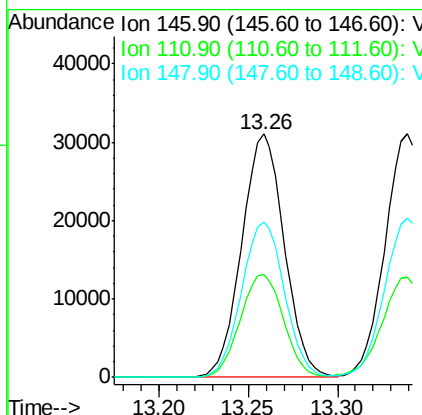
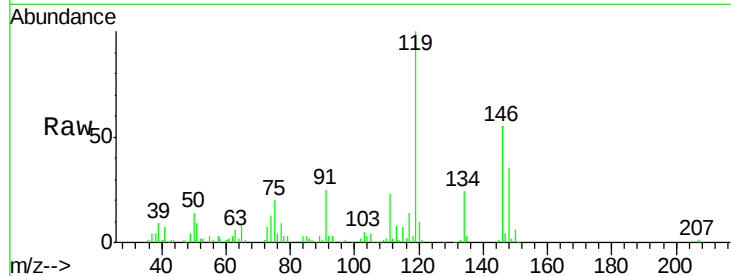
#87
 1,3-Dichlorobenzene
 Concen: 18.281 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.7	62.1
148	64.2	31.8	95.3

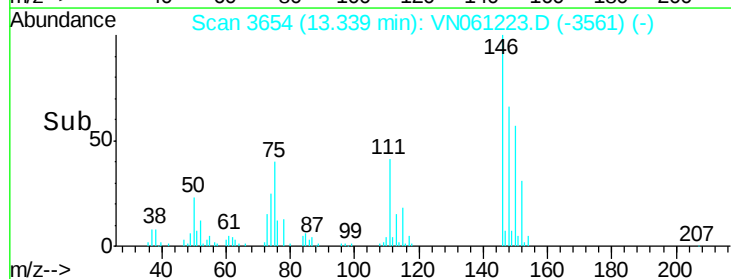
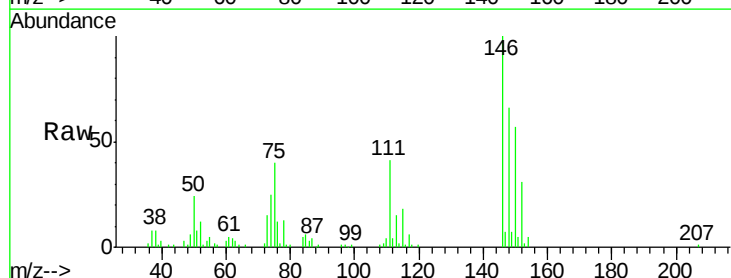
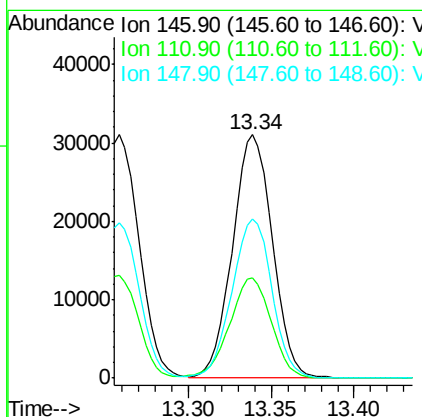
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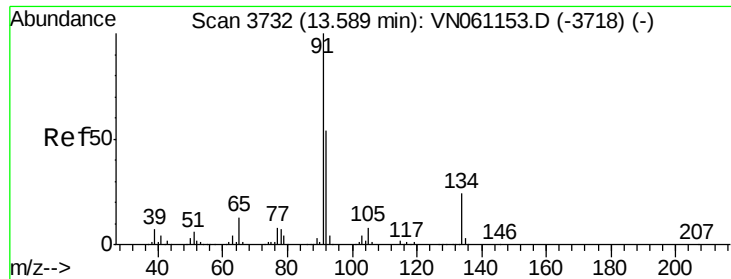
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#88
 1,4-Dichlorobenzene
 Concen: 18.063 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.4	61.3
148	65.3	31.9	95.7





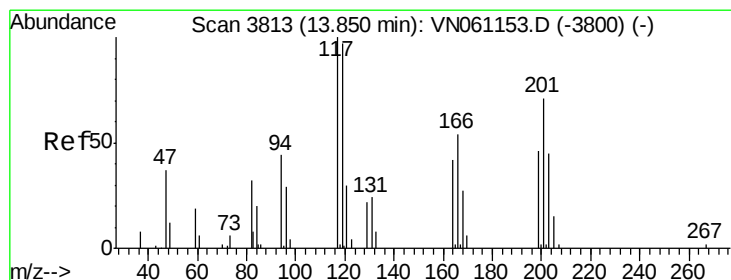
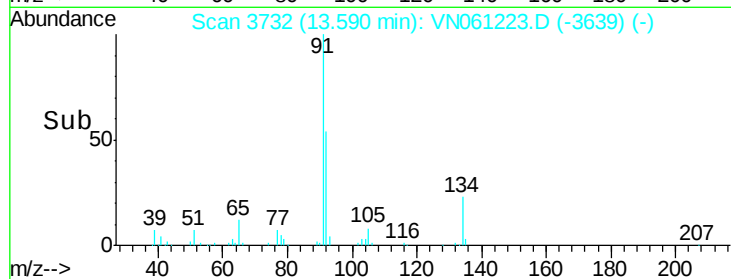
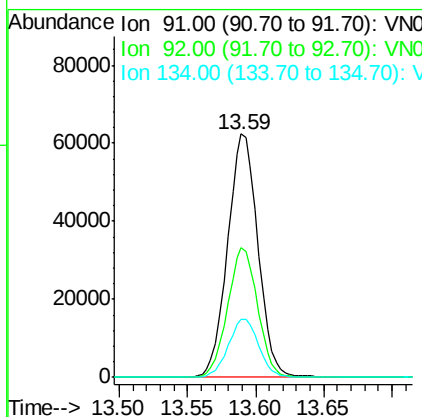
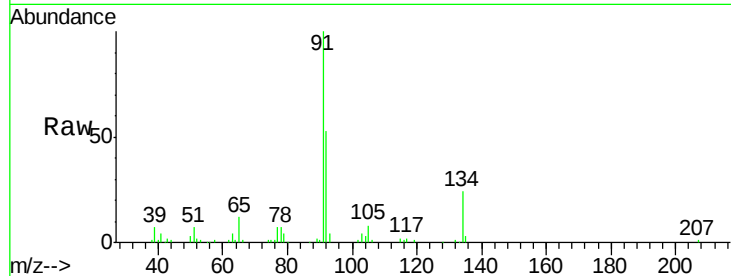
#89
n-Butylbenzene
Concen: 18.368 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	23.9	11.9	35.5

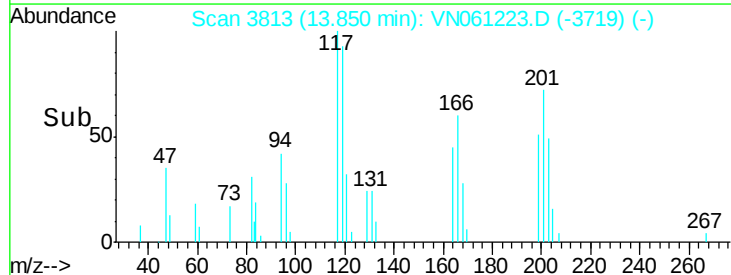
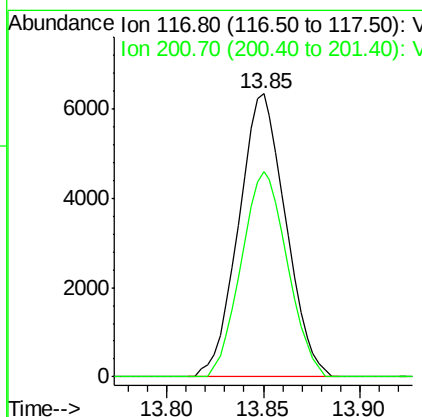
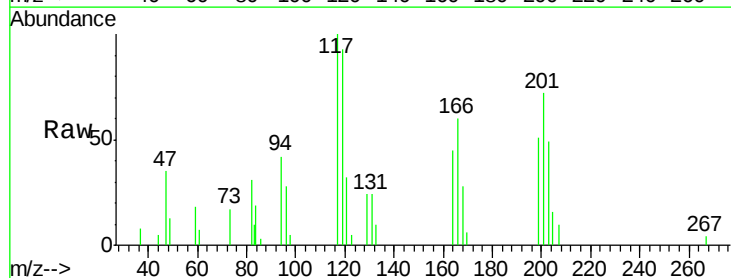
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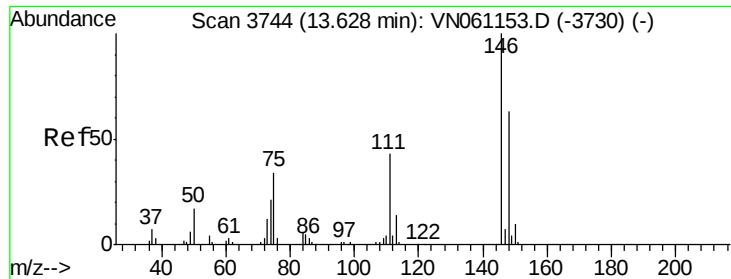
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#90
Hexachloroethane
Concen: 22.882 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.5	106.7





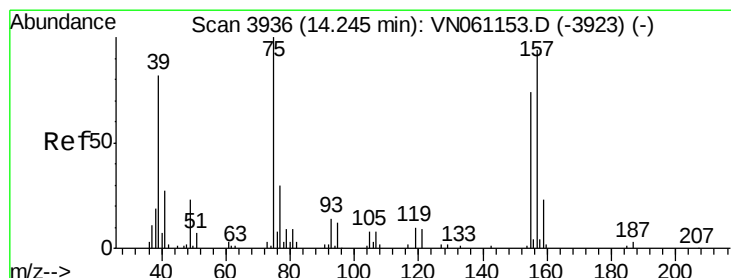
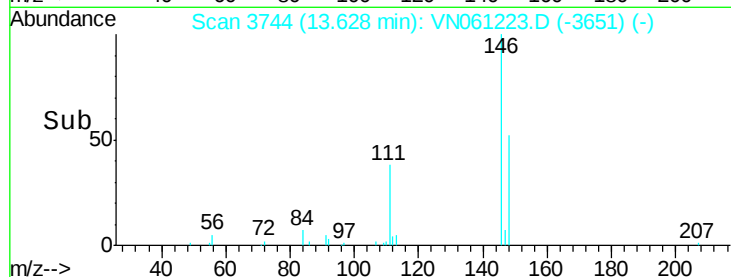
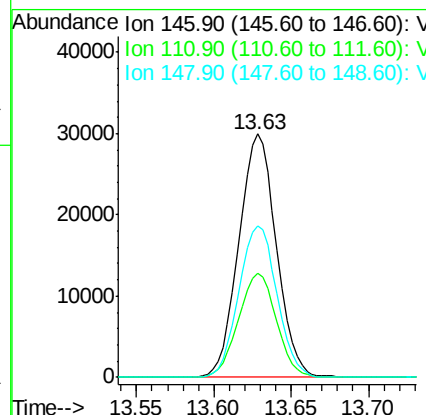
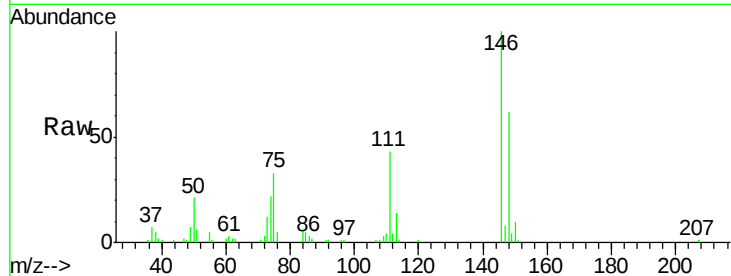
#91
 1,2-Dichlorobenzene
 Concen: 18.573 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.3
148	63.4	31.6	95.0

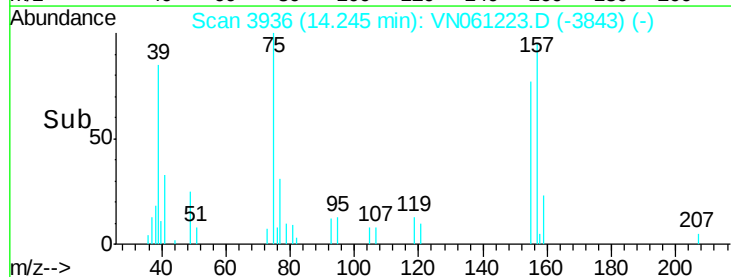
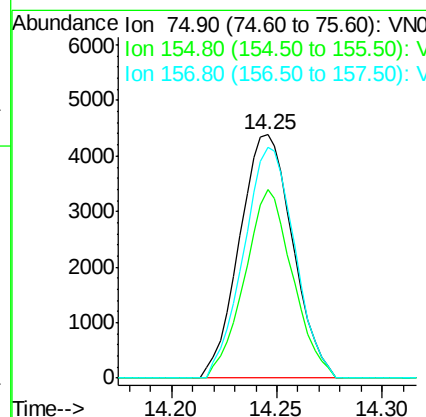
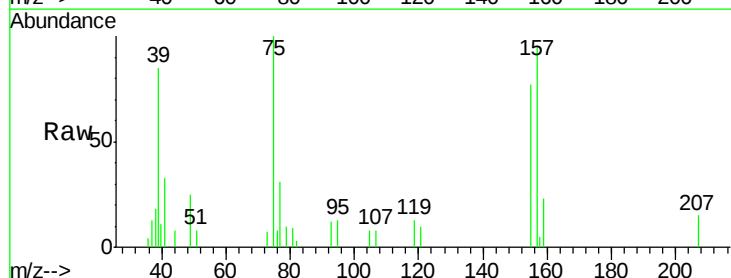
Manual Integrations
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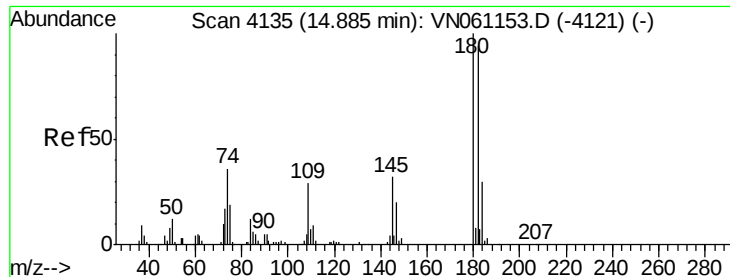
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.543 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	36.5	109.7
157	91.0	46.6	139.7





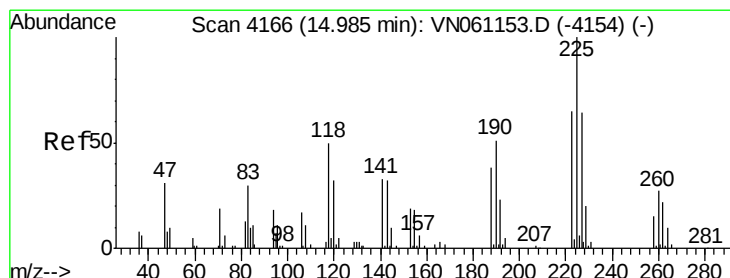
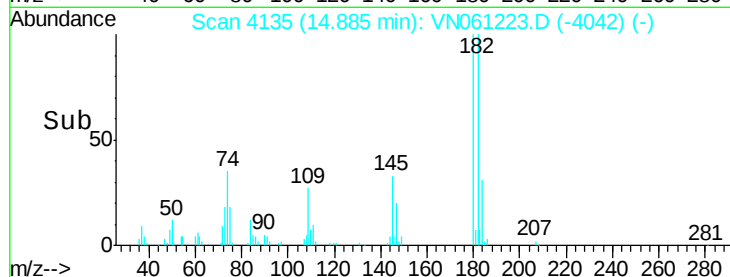
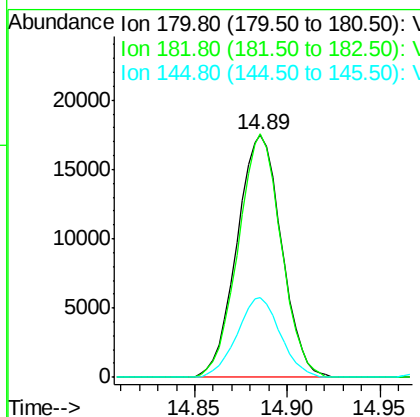
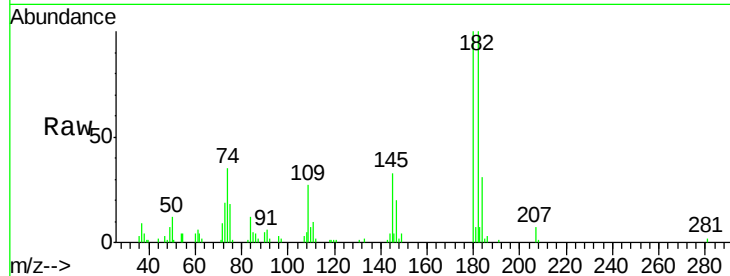
#93
 1,2,4-Trichlorobenzene
 Concen: 17.697 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	29214		
182	96.6	47.3	141.9	
145	31.9	16.0	47.9	

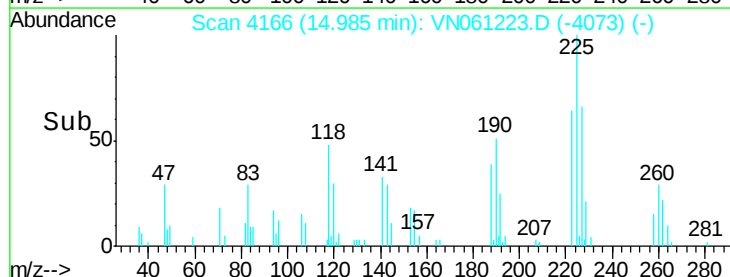
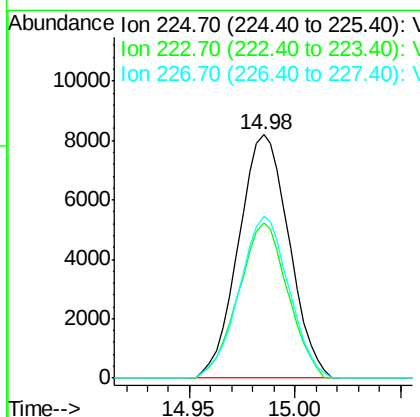
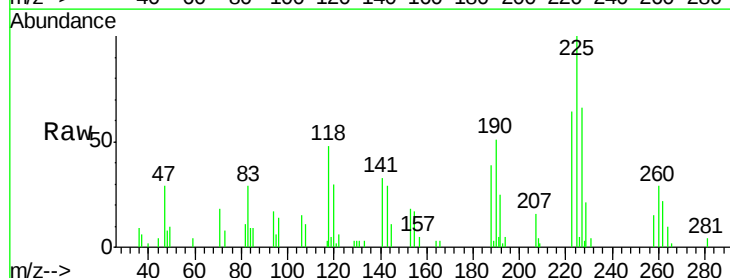
Manual Integrations
 APPROVED

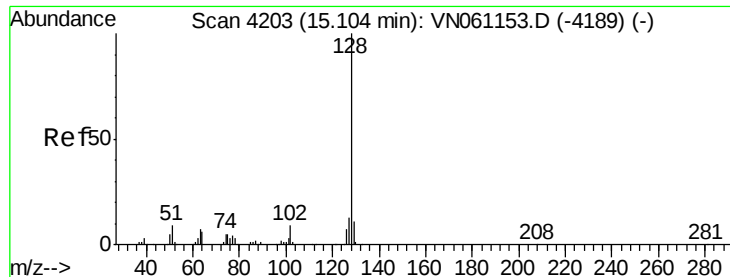
MMDadoda
 5/4/2020 2:57:58 PM



#94
 Hexachlorobutadiene
 Concen: 19.775 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13638		
223	62.2	32.4	97.0	
227	65.4	32.4	97.0	





#95

Naphthalene

Concen: 16.126 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

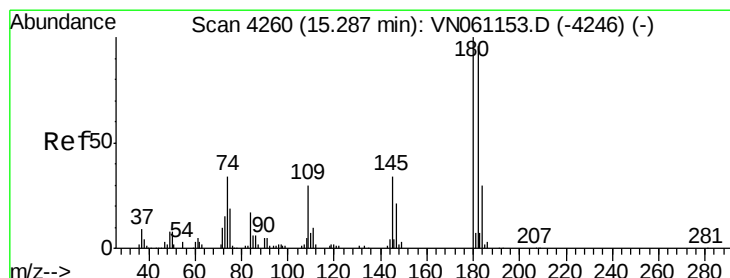
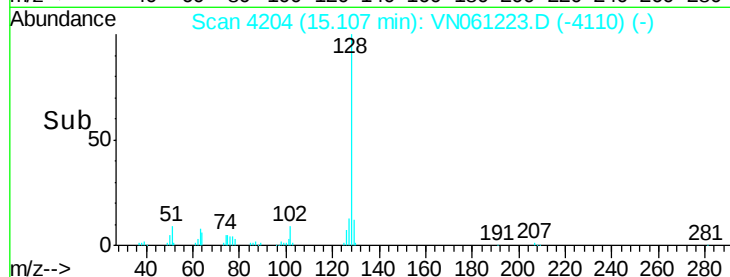
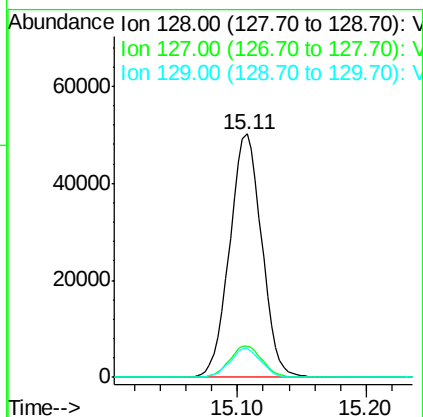
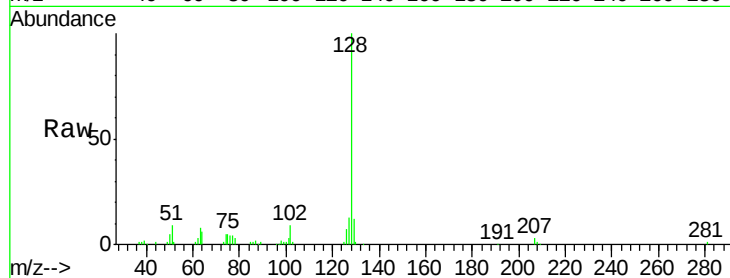
ClientSampleId :

VN0501WBS01

Tot Ion:	128	Resp:	86697
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.4	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 17.744 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion:	180	Resp:	28920
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.5	142.5
145	33.5	16.9	50.7

