

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060843.D
 Acq On : 6 Apr 2020 12:11
 Operator : JC/MD
 Sample : VN0406WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 3:21:46 PM

Quant Time: Apr 07 07:25:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130202	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.56	113	96725	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.08	98	379934	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	136669	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	31606	16.896	ug/l 98
3) Chloromethane	2.04	50	55604	15.916	ug/l 99
4) Vinyl Chloride	2.17	62	44176	16.166	ug/l 99
5) Bromomethane	2.55	94	23035	19.527	ug/l 99
6) Chloroethane	2.69	64	28310	17.985	ug/l 100
7) Trichlorofluoromethane	3.00	101	60737	18.043	ug/l 99
8) Diethyl Ether	3.38	74	26432	19.546	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37541	19.247	ug/l 99
10) Methyl Iodide	3.93	142	31441	18.115	ug/l 99
11) Tert butyl alcohol	4.72	59	34547	88.511	ug/l 98
12) 1,1-Dichloroethene	3.72	96	36591	17.481	ug/l 97
13) Acrolein	3.58	56	31174	72.065	ug/l 100
14) Allyl chloride	4.29	41	69273	18.817	ug/l 96
15) Acrylonitrile	4.94	53	110524	96.296	ug/l 100
16) Acetone	3.78	43	97003	103.185	ug/l 98
17) Carbon Disulfide	4.03	76	103989	16.335	ug/l 99
18) Methyl Acetate	4.28	43	53990	20.404	ug/l 98
19) Methyl tert-butyl Ether	5.00	73	138774	19.284	ug/l 97
20) Methylene Chloride	4.52	84	43428	18.779	ug/l 97
21) trans-1,2-Dichloroethene	5.00	96	40131	17.989	ug/l 94
22) Diisopropyl ether	5.91	45	155563	20.001	ug/l 98
23) Vinyl Acetate	5.86	43	626916	98.791	ug/l 99
24) 1,1-Dichloroethane	5.82	63	80652	19.022	ug/l 100
25) 2-Butanone	6.80	43	145865	95.887	ug/l 100
26) 2,2-Dichloropropane	6.79	77	68025	20.391	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	47422	18.706	ug/l 98
28) Bromochloromethane	7.17	49	40719	20.073	ug/l 99
29) Tetrahydrofuran	7.18	42	100119	93.019	ug/l 98
30) Chloroform	7.34	83	76407	18.798	ug/l 98
31) Cyclohexane	7.63	56	75348	17.627	ug/l 97
32) 1,1,1-Trichloroethane	7.54	97	64837	18.503	ug/l 99
36) 1,1-Dichloropropene	7.77	75	57953	19.043	ug/l 99
37) Ethyl Acetate	6.89	43	62782	19.093	ug/l 98
38) Carbon Tetrachloride	7.75	117	49790	18.255	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68659	18.985	ug/l	96
40) Benzene	8.02	78	174421	18.986	ug/l	98
41) Methacrylonitrile	7.15	41	28992m	20.659	ug/l	
42) 1,2-Dichloroethane	8.10	62	62403	19.876	ug/l	99
43) Isopropyl Acetate	8.14	43	107110	19.751	ug/l	99
44) Trichloroethene	8.82	130	44873	19.376	ug/l	97
45) 1,2-Dichloropropane	9.10	63	48748	20.110	ug/l	98
46) Dibromomethane	9.19	93	29488	20.122	ug/l	100
47) Bromodichloromethane	9.38	83	58731	19.286	ug/l	98
48) Methyl methacrylate	9.18	41	46508	19.262	ug/l	98
49) 1,4-Dioxane	9.18	88	11435	398.451	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	307280	99.575	ug/l	100
52) Toluene	10.14	92	106691	19.230	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	69934	19.992	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	75313	19.625	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	43077	20.182	ug/l	100
56) Ethyl methacrylate	10.42	69	65138	19.572	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74474	20.107	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	144799	87.539	ug/l	99
59) 2-Hexanone	10.74	43	217746	97.954	ug/l	99
60) Dibromochloromethane	10.89	129	43181	19.585	ug/l	100
61) 1,2-Dibromoethane	10.99	107	42231	19.676	ug/l	99
64) Tetrachloroethene	10.62	164	43276	19.195	ug/l	98
65) Chlorobenzene	11.43	112	109210	19.228	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40061	19.481	ug/l	98
67) Ethyl Benzene	11.50	91	204955	19.404	ug/l	99
68) m/p-Xylenes	11.62	106	151116	38.501	ug/l	100
69) o-Xylene	11.94	106	72715	19.407	ug/l	99
70) Styrene	11.96	104	114876	18.746	ug/l	100
71) Bromoform	12.12	173	29398	18.303	ug/l #	98
73) Isopropylbenzene	12.24	105	194113	19.386	ug/l	100
74) N-amyl acetate	12.06	43	88948	19.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59377	19.609	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54581m	18.958	ug/l	
77) Bromobenzene	12.52	156	46144	19.124	ug/l	99
78) n-propylbenzene	12.59	91	227979	19.271	ug/l	99
79) 2-Chlorotoluene	12.67	91	134956	19.093	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	164437	19.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20904	18.647	ug/l	98
82) 4-Chlorotoluene	12.77	91	137840	19.147	ug/l	100
83) tert-Butylbenzene	12.99	119	139634	19.823	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	163950	19.502	ug/l	99
85) sec-Butylbenzene	13.17	105	188919	19.944	ug/l	99
86) p-Isopropyltoluene	13.28	119	168919	19.831	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82091	19.290	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	82007	19.181	ug/l	99
89) n-Butylbenzene	13.61	91	153025	19.898	ug/l	100
90) Hexachloroethane	13.87	117	25145	20.309	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	81014	19.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11103	17.331	ug/l	99

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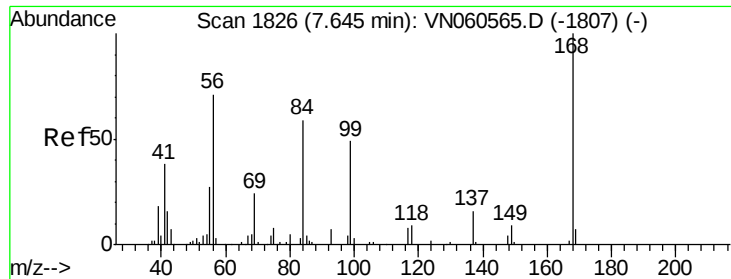
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49060	19.633	ug/l	99
94) Hexachlorobutadiene	15.01	225	26266	21.442	ug/l	99
95) Naphthalene	15.13	128	140778	18.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47779	19.412	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

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ClientSampleId :

VN0406WBSD01

Tot Ion:168 Resp: 193328

Ion Ratio Lower Upper

168 100

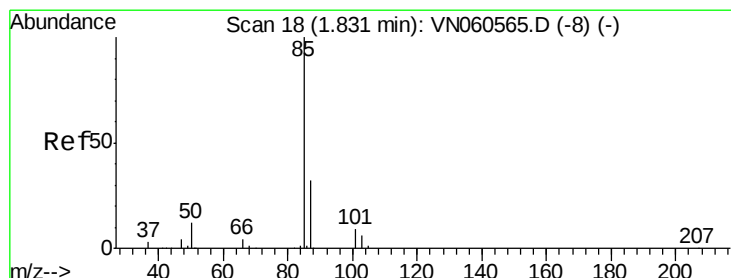
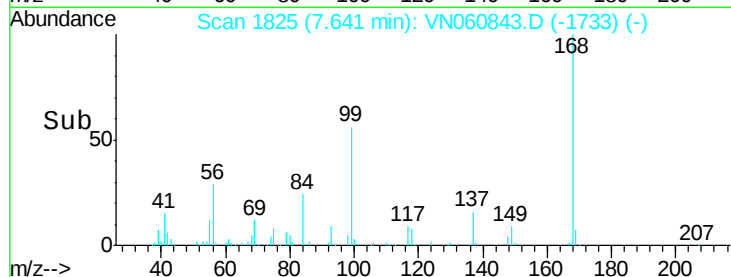
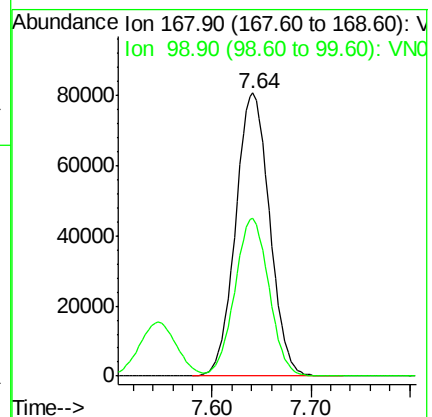
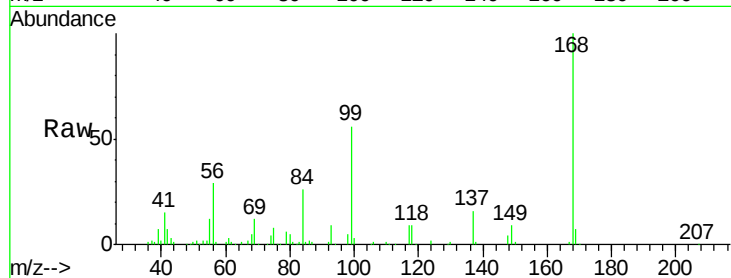
99 55.7 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.896 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060843.D

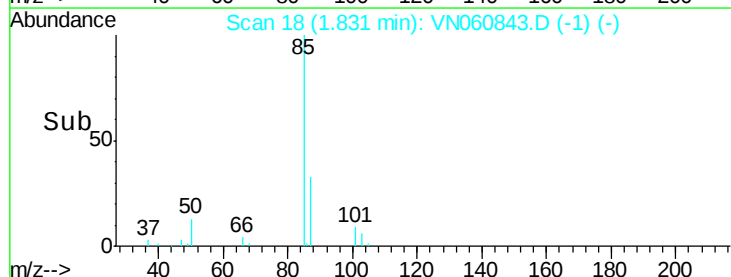
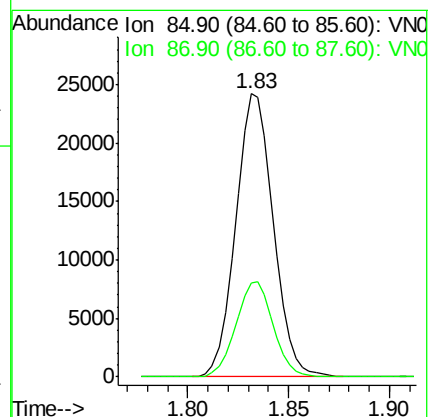
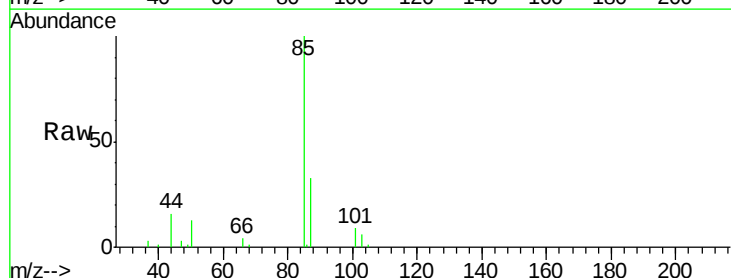
Acq: 6 Apr 2020 12:11

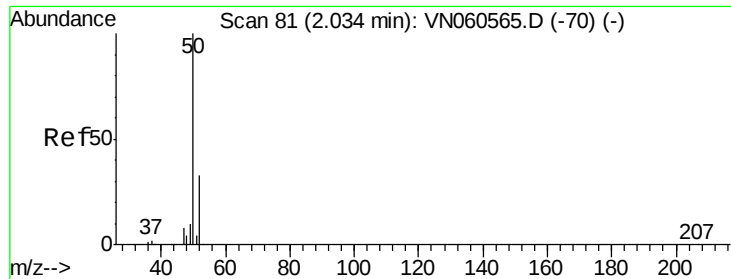
Tgt Ion: 85 Resp: 31606

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5





#3

Chloromethane

Concen: 15.916 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion: 50 Resp: 55604

Ion Ratio Lower Upper

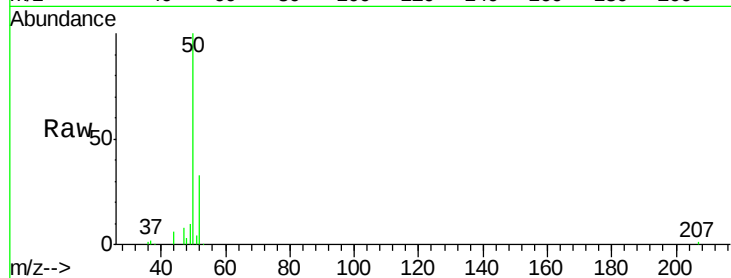
50 100

52 33.3 26.2 39.2

Manual Integrations
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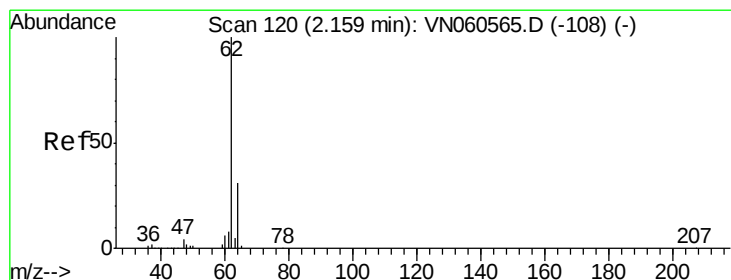
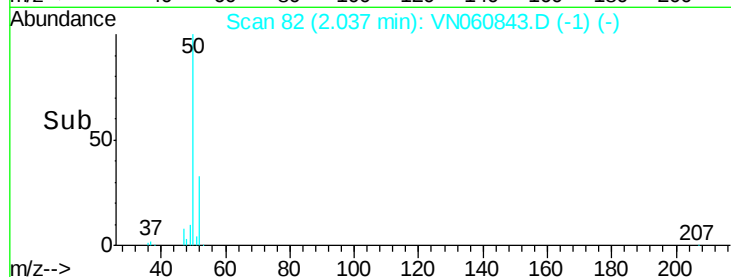
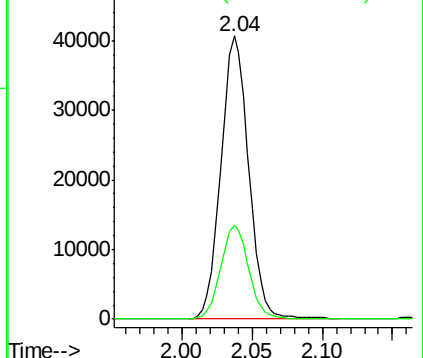
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.166 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060843.D

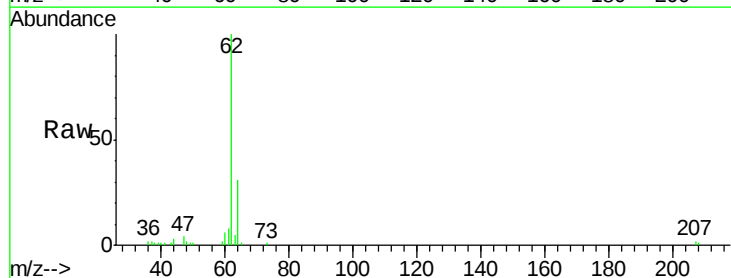
Acq: 6 Apr 2020 12:11

Tgt Ion: 62 Resp: 44176

Ion Ratio Lower Upper

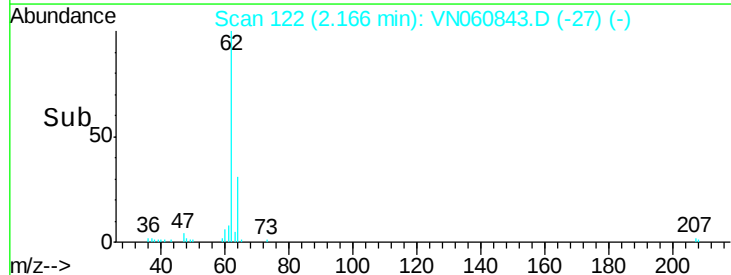
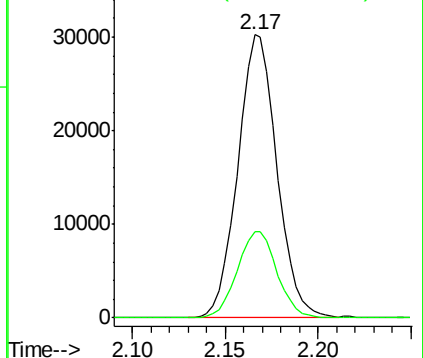
62 100

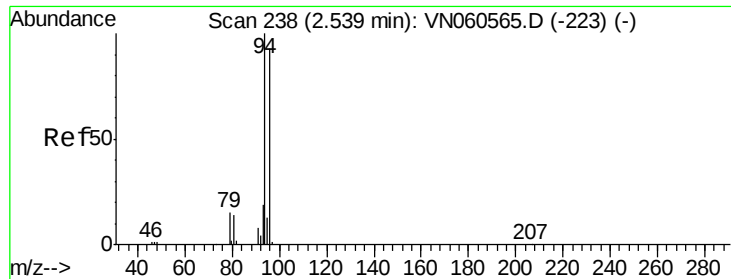
64 30.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.527 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

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ClientSampleId :

VN0406WBSD01

Tot Ion: 94 Resp: 23035

Ion Ratio Lower Upper

94 100

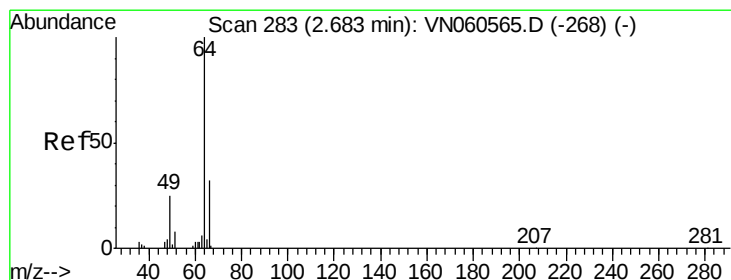
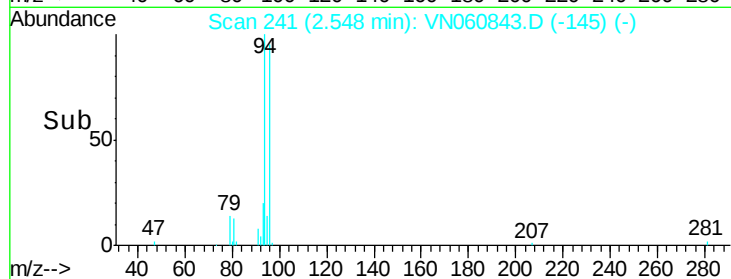
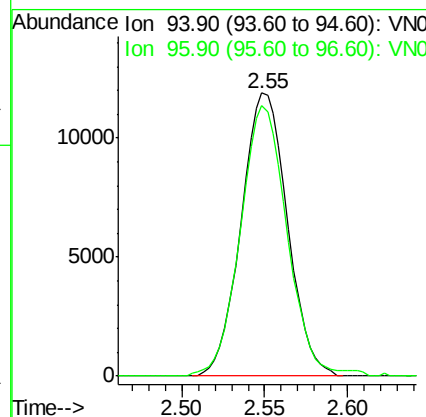
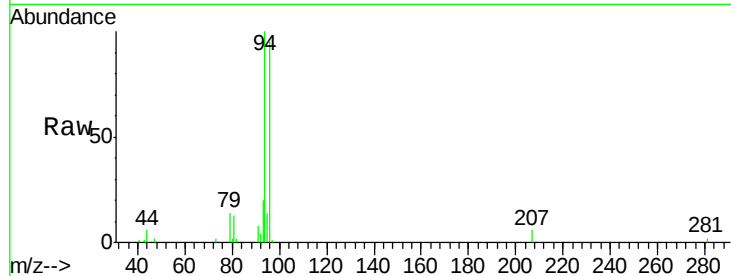
96 94.2 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 17.985 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060843.D

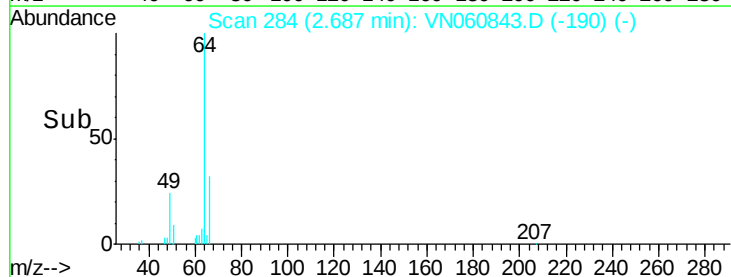
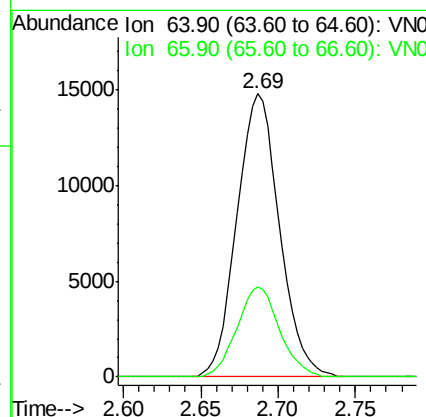
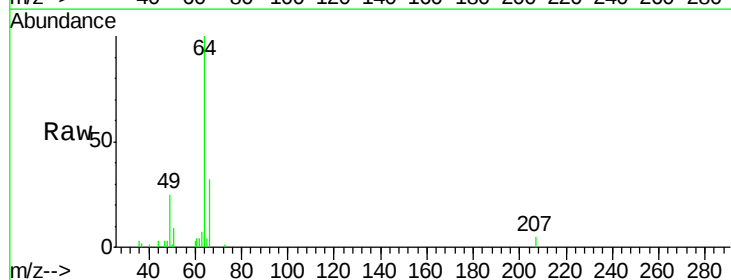
Acq: 6 Apr 2020 12:11

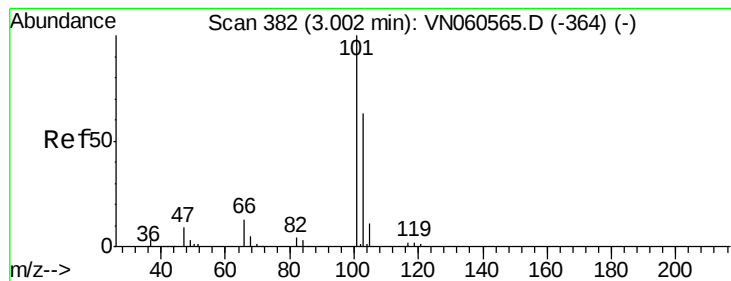
Tgt Ion: 64 Resp: 28310

Ion Ratio Lower Upper

64 100

66 31.8 25.3 37.9





#7

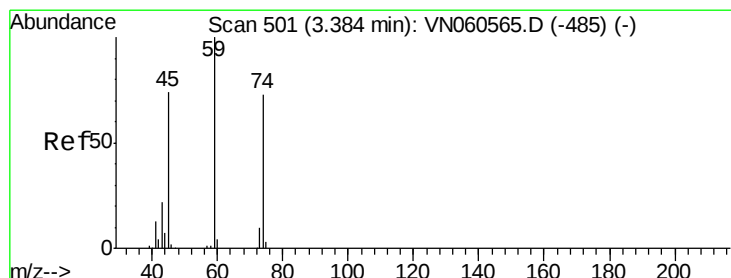
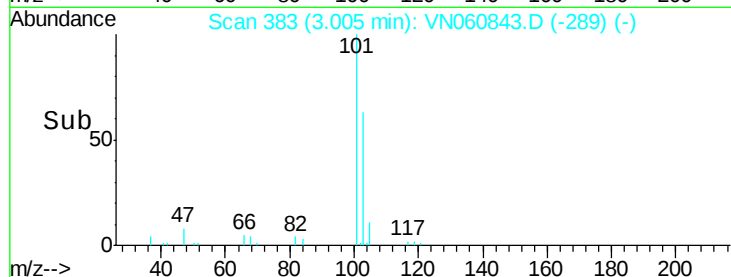
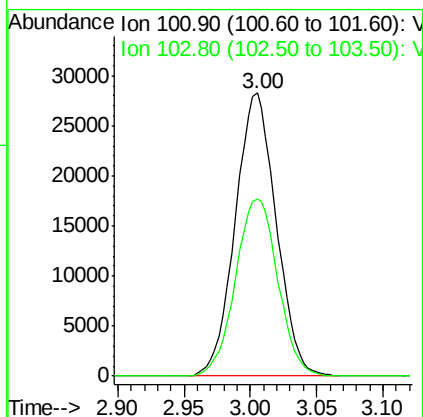
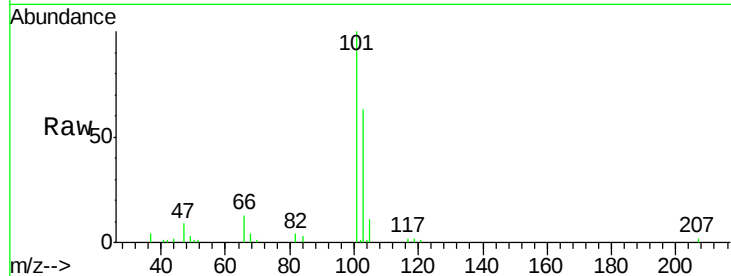
Trichlorofluoromethane
 Concen: 18.043 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060843.D
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 VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.6	76.0

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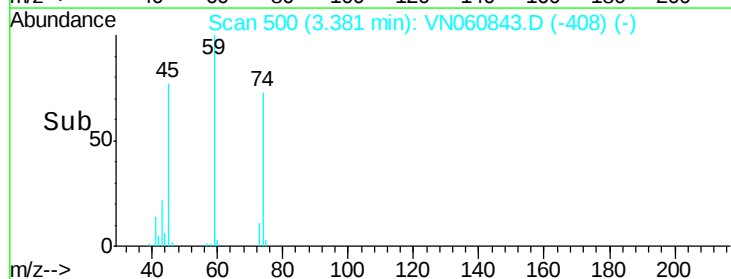
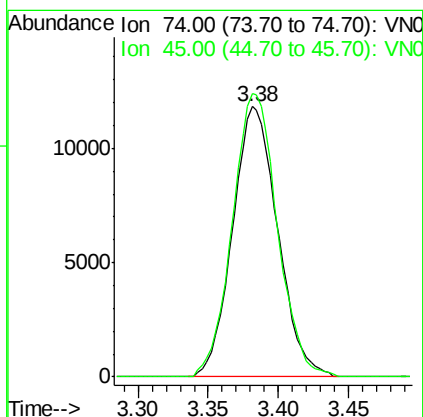
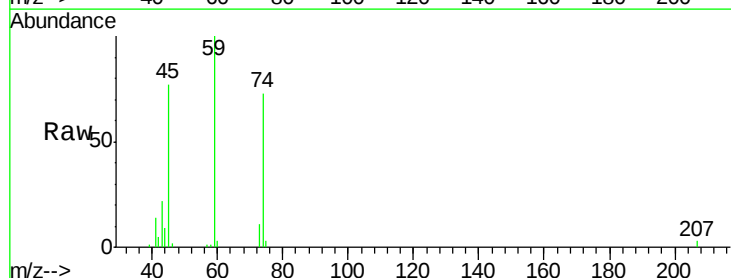
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#8

Diethyl Ether
 Concen: 19.546 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.247 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

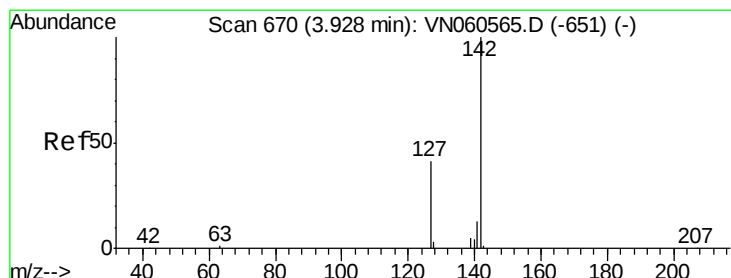
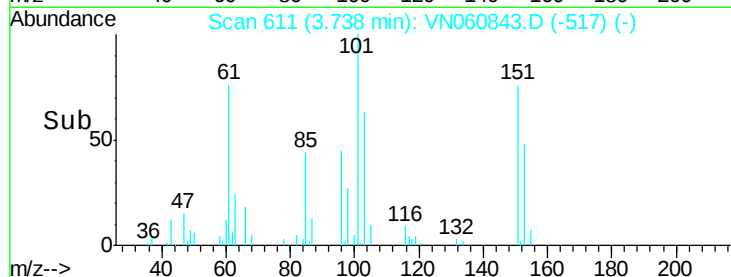
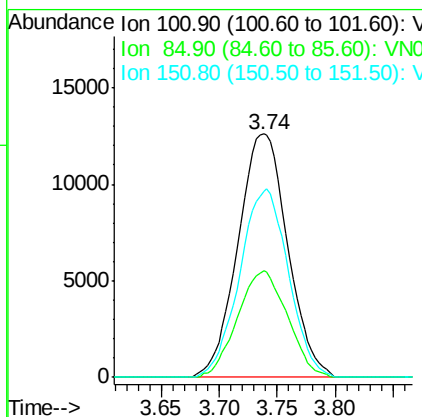
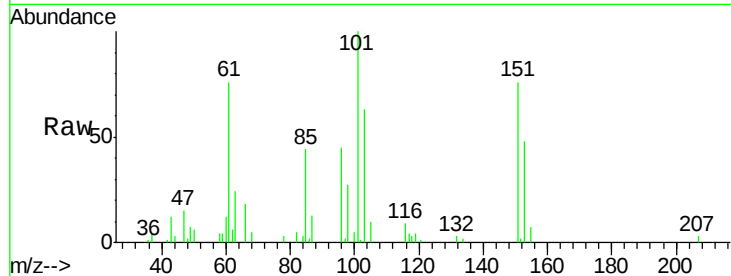
ClientSampleId :

VN0406WBSD01

Tot Ion:	101	Resp:	37541
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.6	53.4
151	76.0	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.115 ug/l

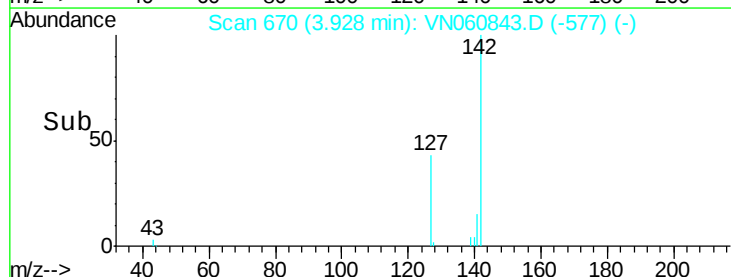
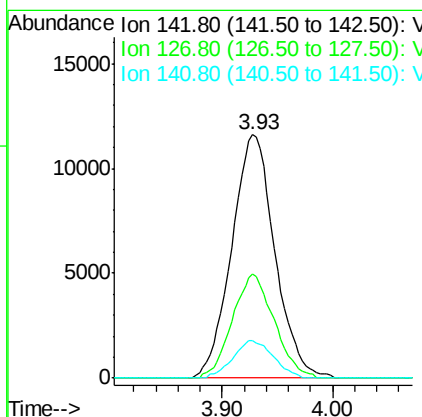
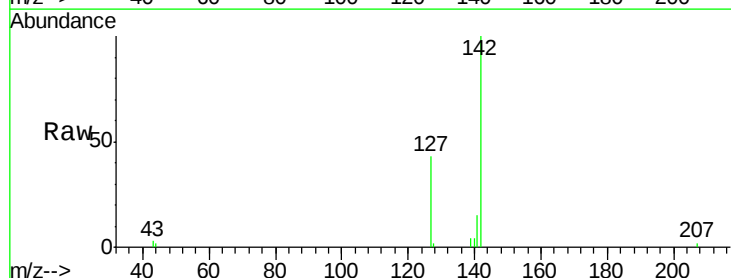
RT: 3.93 min Scan# 670

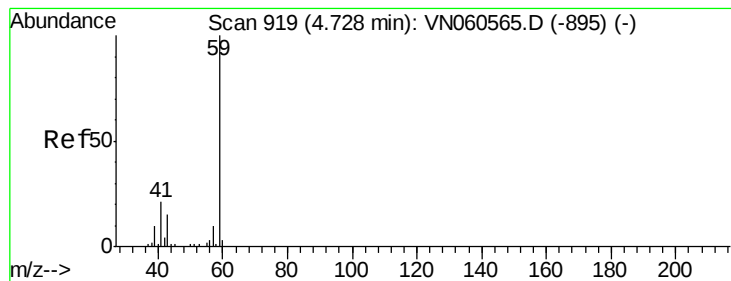
Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion:	142	Resp:	31441
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.5	50.3
141	14.4	11.0	16.6





#11

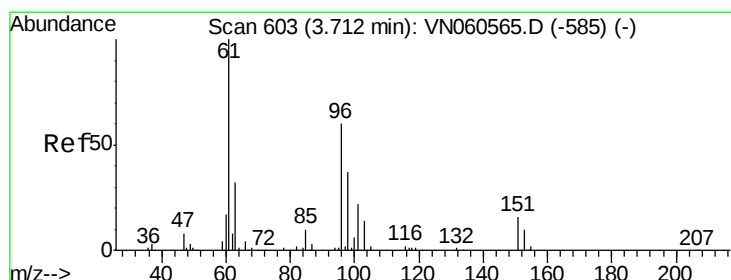
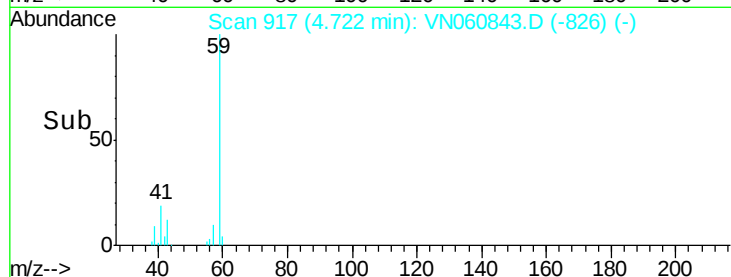
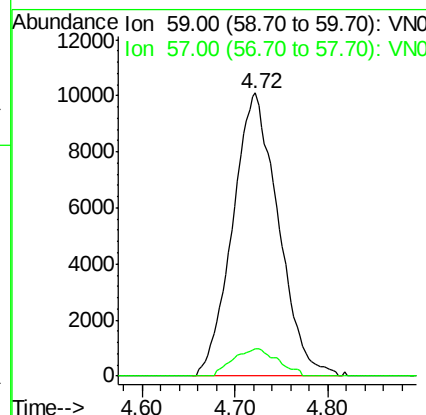
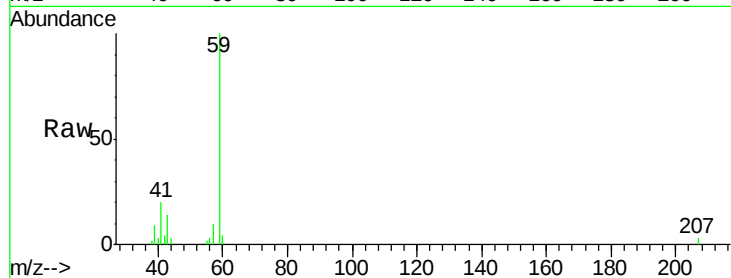
Tert butyl alcohol
Concen: 88.511 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

Manual Integrations
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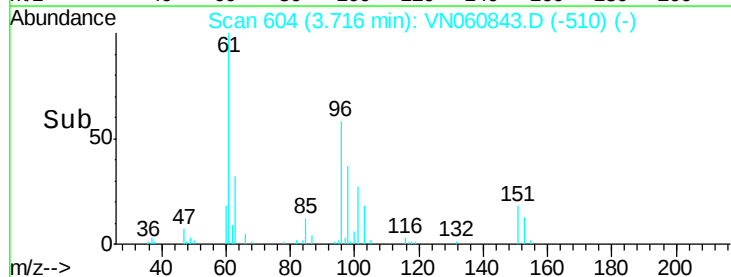
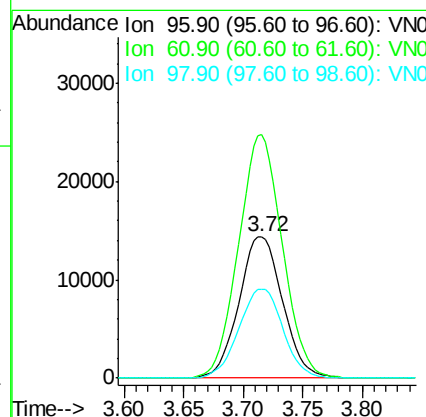
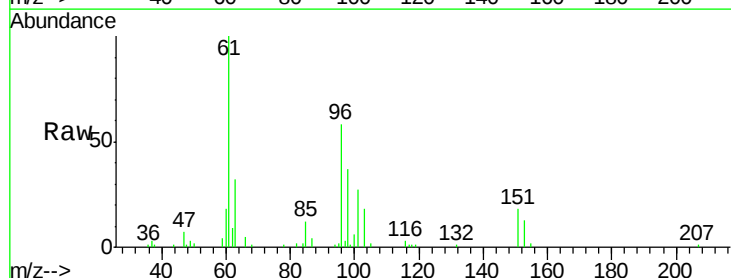
MMDadoda
4/7/2020 3:21:46 PM

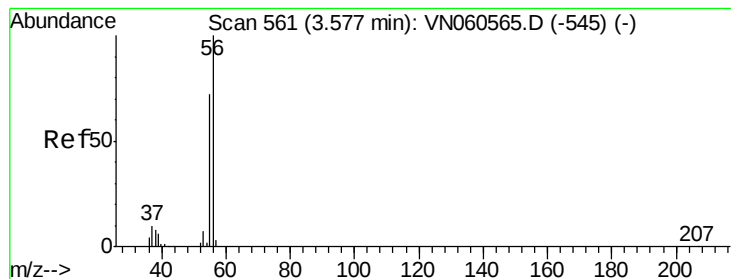


#12

1,1-Dichloroethene
Concen: 17.481 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	134.1	201.1
98	63.2	49.9	74.9





#13

Acrolein

Concen: 72.065 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion: 56 Resp: 31174

Ion Ratio Lower Upper

56 100

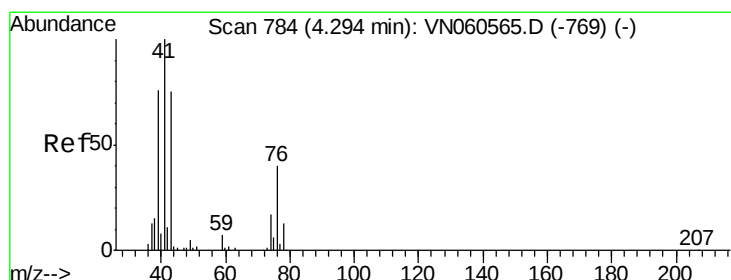
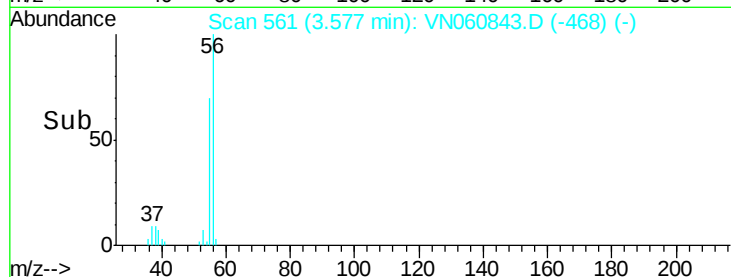
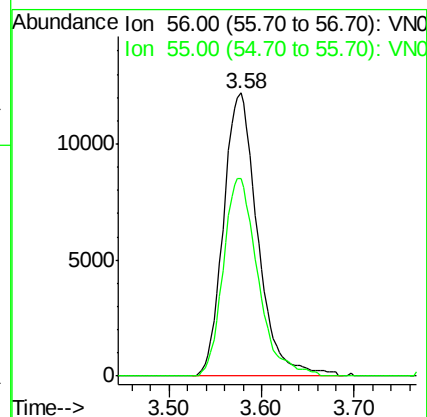
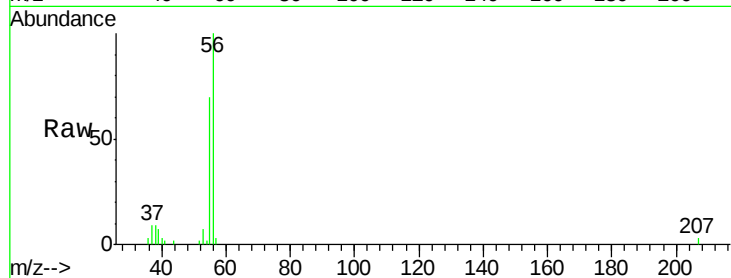
55 70.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.817 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

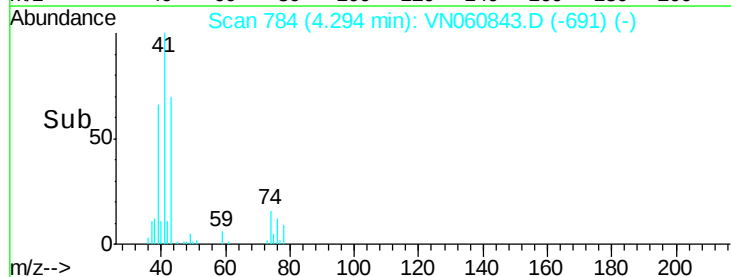
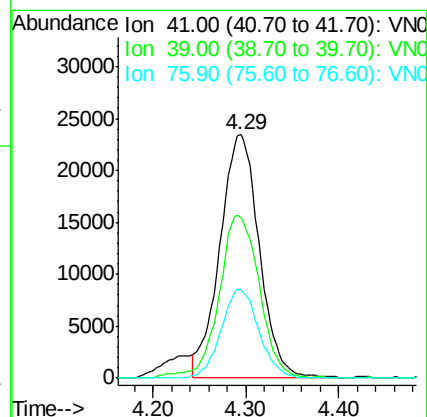
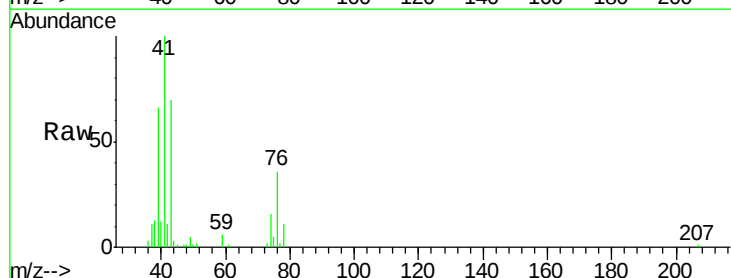
Tgt Ion: 41 Resp: 69273

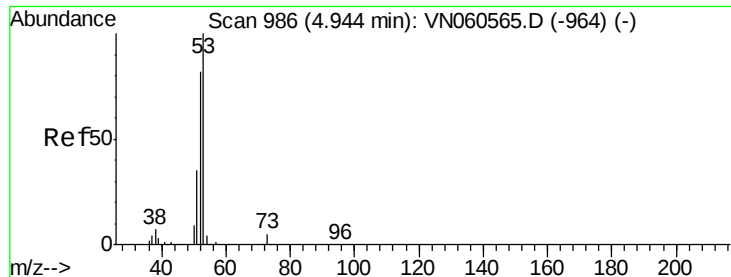
Ion Ratio Lower Upper

41 100

39 68.4 57.8 86.8

76 34.8 28.6 43.0





#15

Acrylonitrile

Concen: 96.296 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

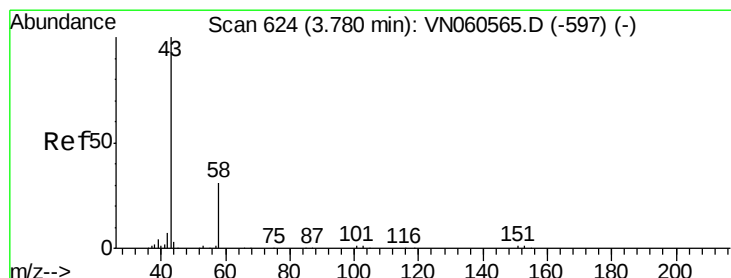
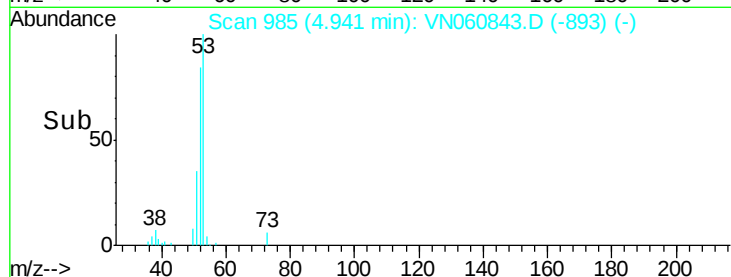
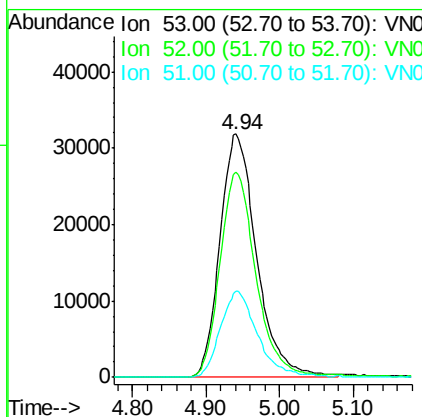
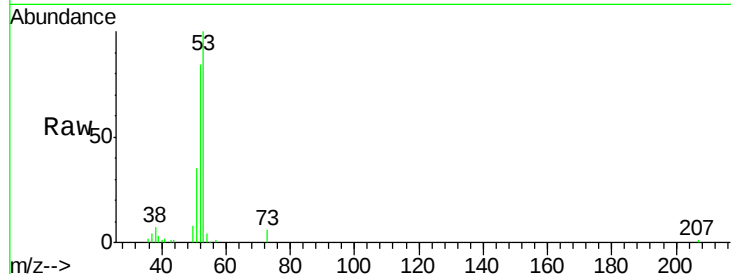
ClientSampleId :

VN0406WBSD01

Tot Ion:	53	Resp:	110524
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.4
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 103.185 ug/l

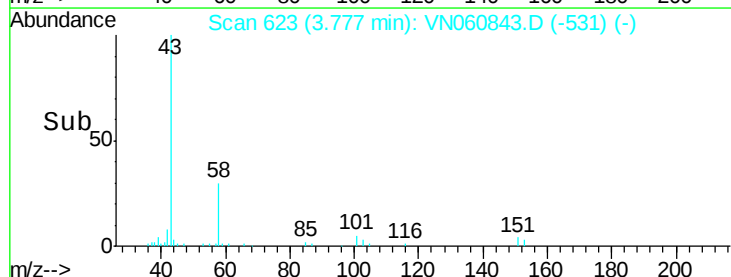
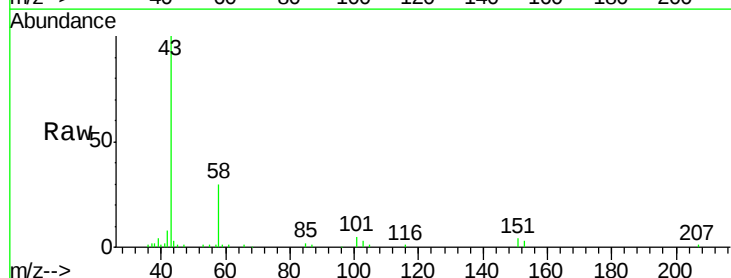
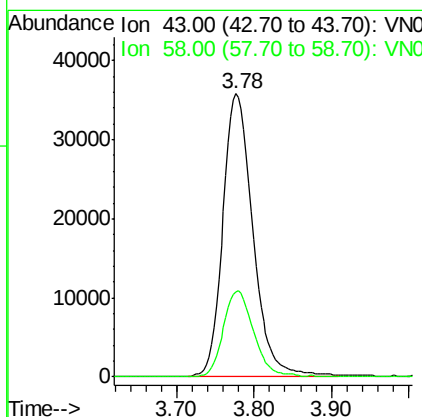
RT: 3.78 min Scan# 623

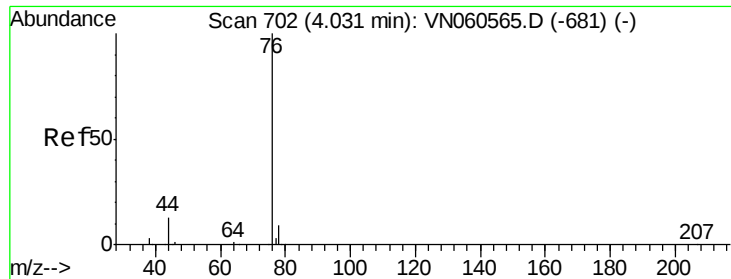
Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion:	43	Resp:	97003
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.1	37.7





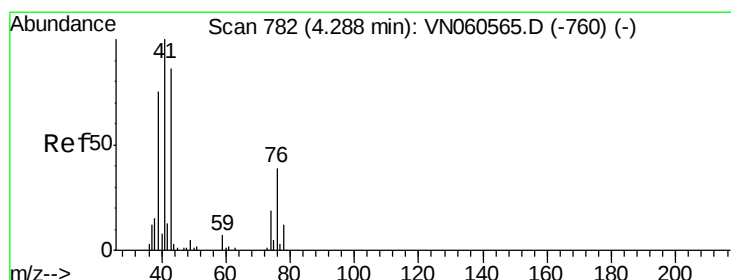
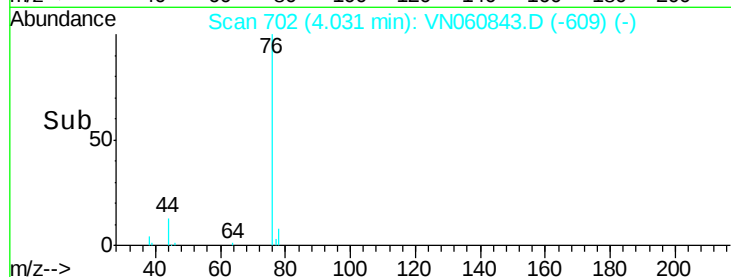
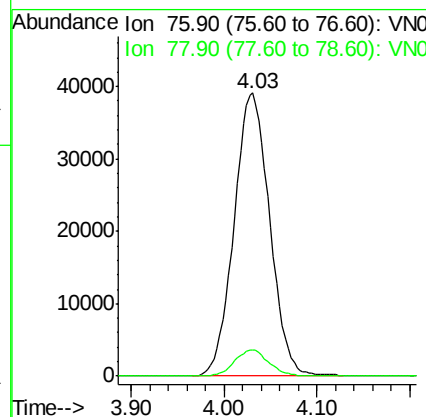
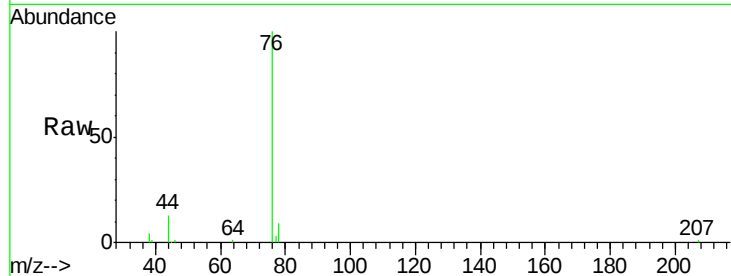
#17
Carbon Disulfide
Concen: 16.335 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

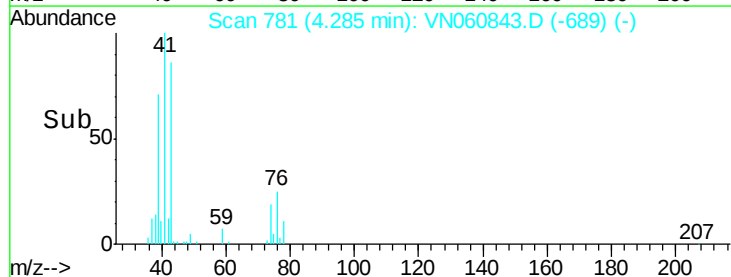
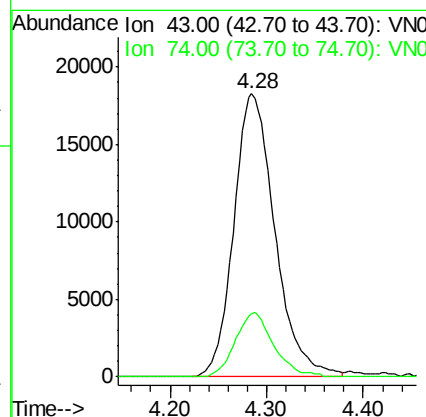
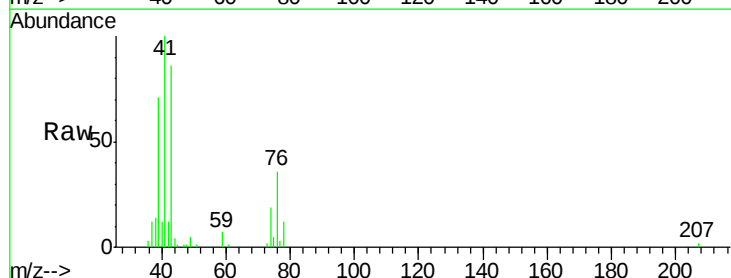
Manual Integrations
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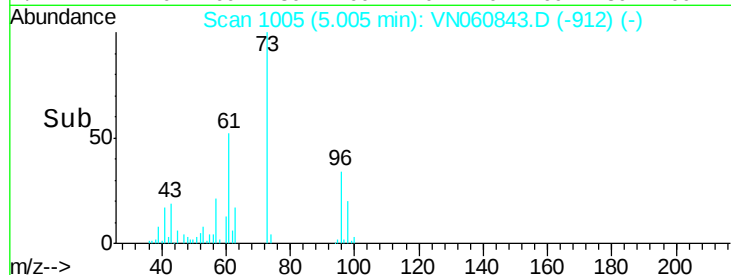
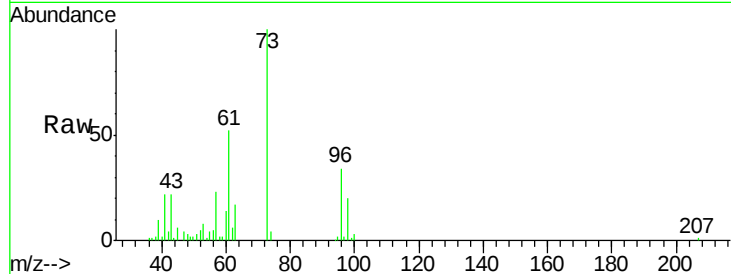
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#18
Methyl Acetate
Concen: 20.404 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	17.5	26.3





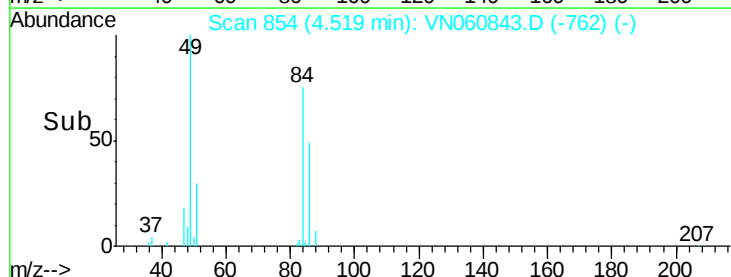
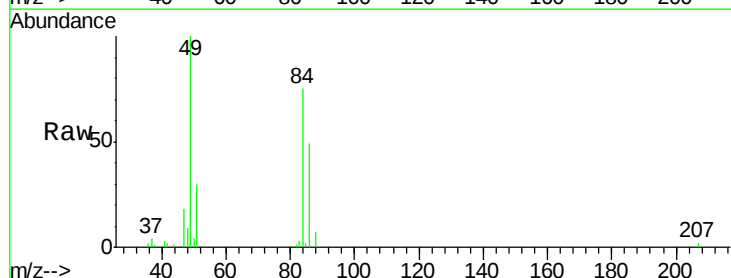
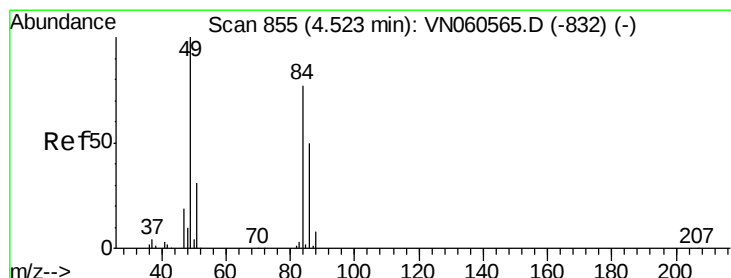
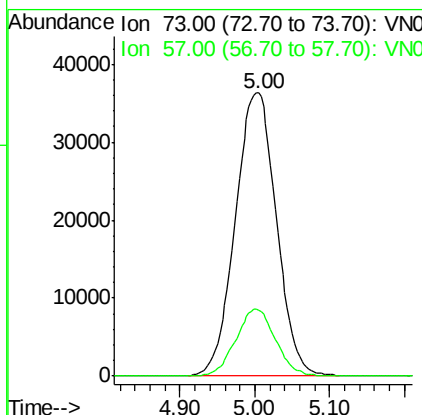
#19
Methyl tert-butyl Ether
Concen: 19.284 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tot Ion: 73 Resp: 138774
Ion Ratio Lower Upper
73 100
57 23.3 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

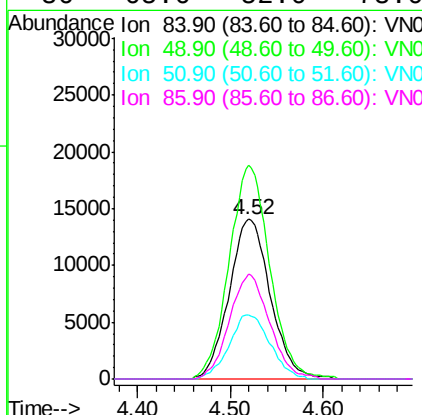
Manual Integrations
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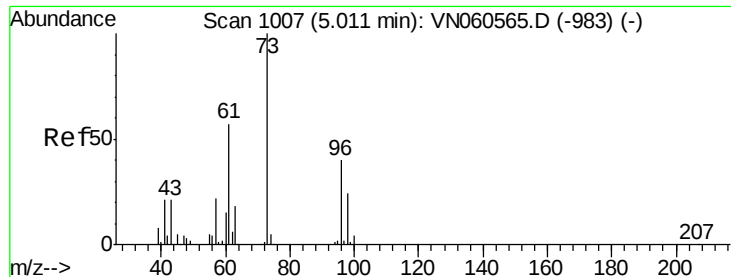
MMDadoda
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#20
Methylene Chloride
Concen: 18.779 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion: 84 Resp: 43428
Ion Ratio Lower Upper
84 100
49 133.9 103.3 154.9
51 40.0 31.6 47.4
86 65.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.989 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

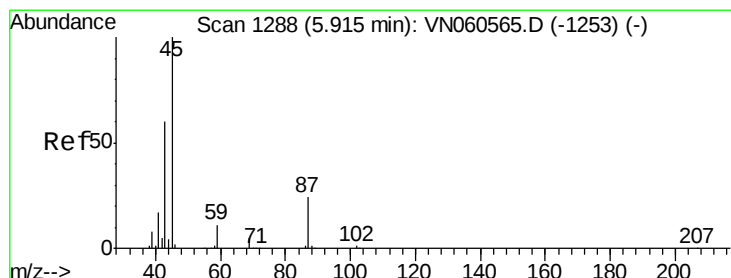
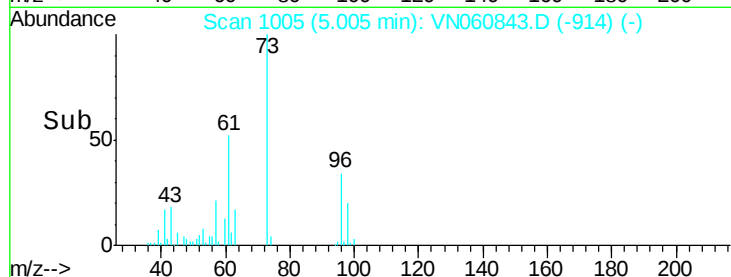
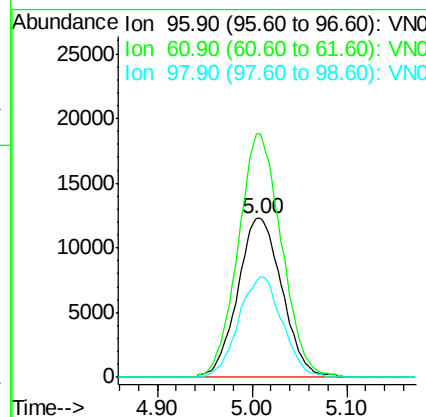
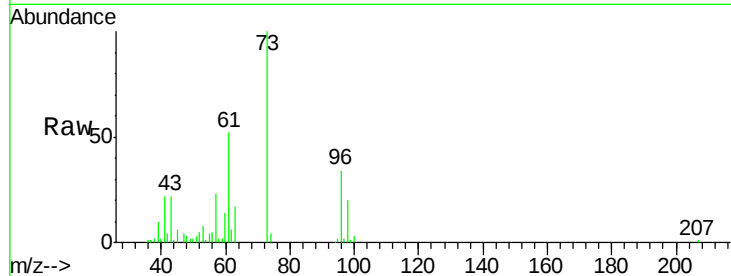
ClientSampled :

VN0406WBSD01

Tot Ion:	96	Resp:	40131
Ion	Ratio	Lower	Upper
96	100		
61	152.9	114.4	171.6
98	60.6	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.001 ug/l

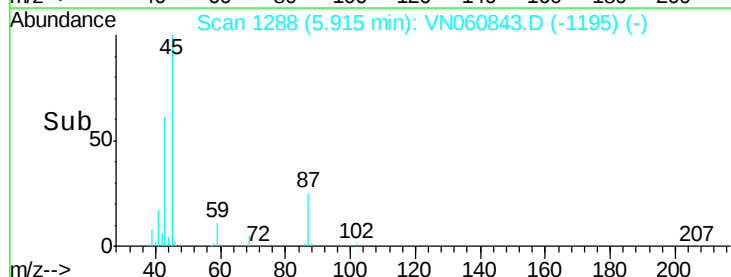
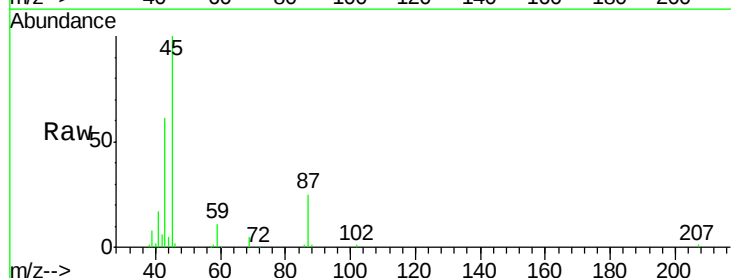
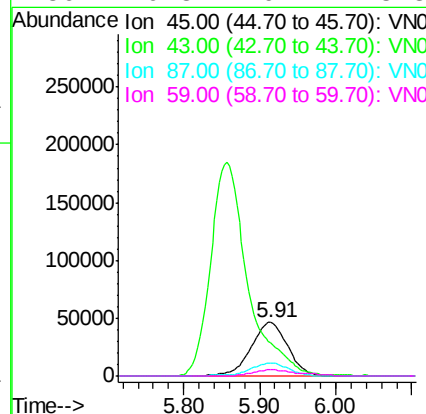
RT: 5.91 min Scan# 1288

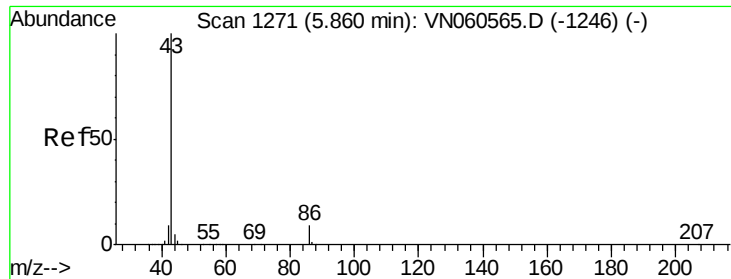
Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion:	45	Resp:	155563
Ion	Ratio	Lower	Upper
45	100		
43	59.7	49.8	74.8
87	24.9	20.1	30.1
59	10.8	9.2	13.8





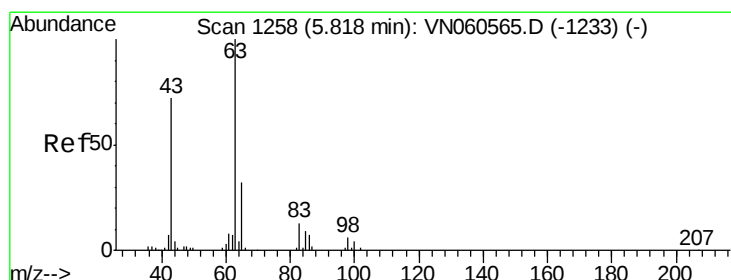
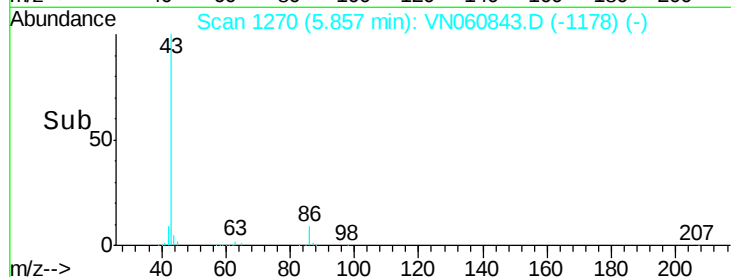
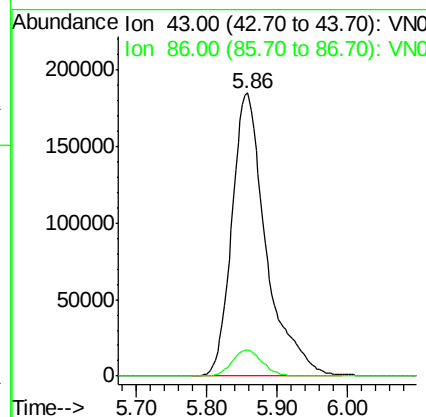
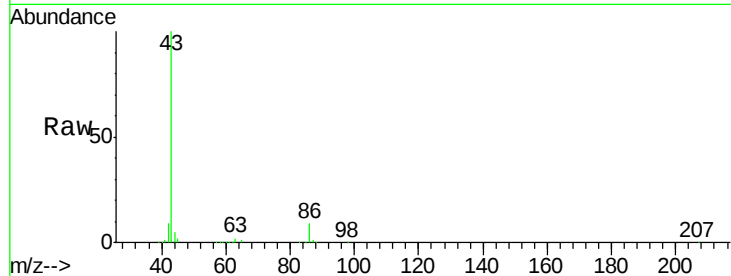
#23
 Vinyl Acetate
 Concen: 98.791 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	626916		
86	9.2		7.6	11.4

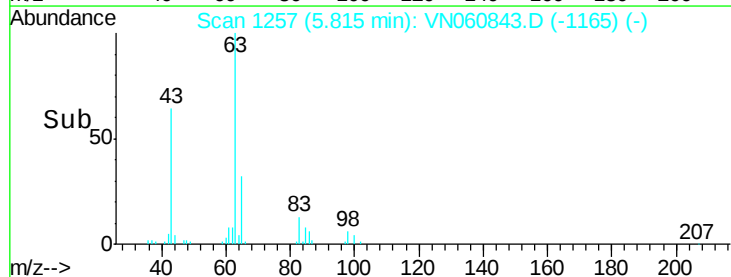
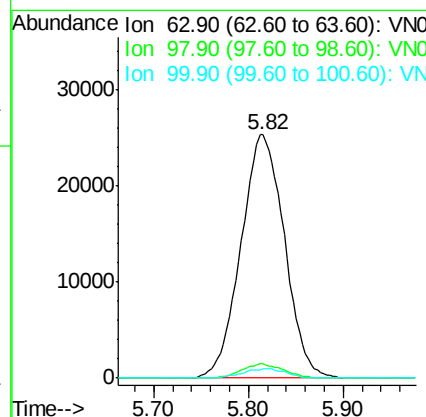
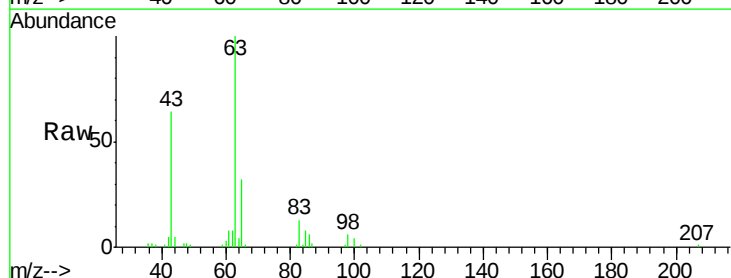
Manual Integrations
 APPROVED

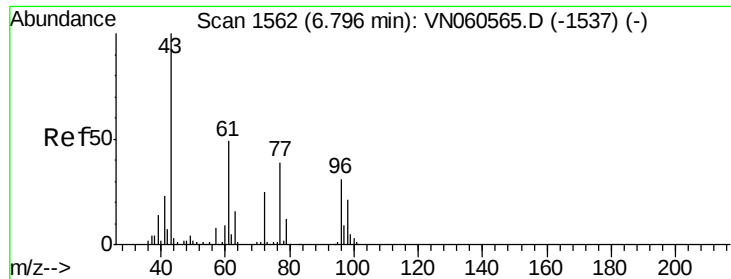
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.022 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	80652		
98	5.8		2.9	8.7
100	3.8		1.8	5.5





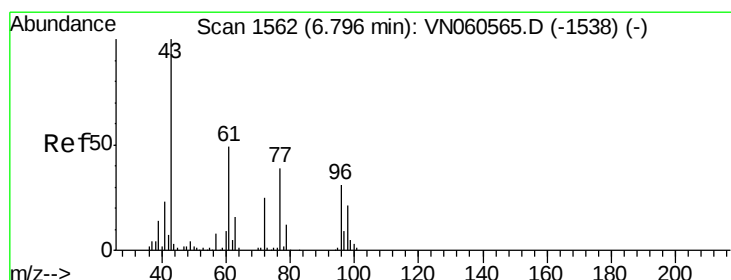
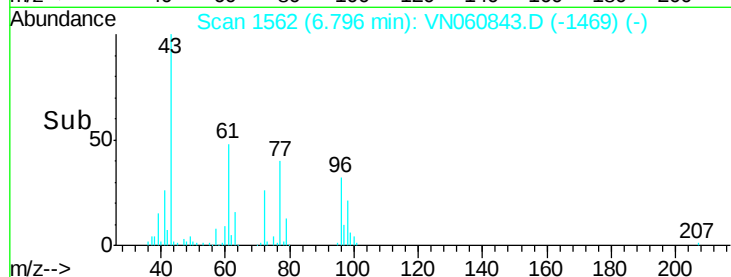
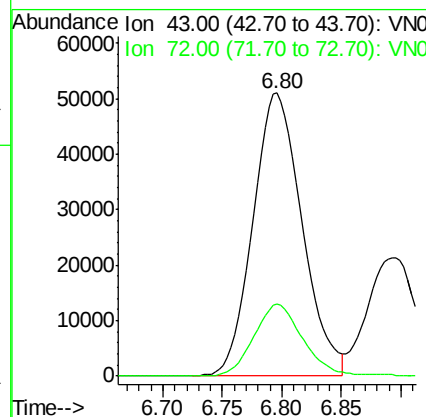
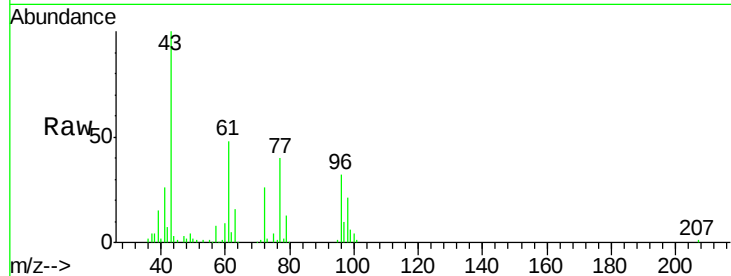
#25
2-Butanone
Concen: 95.887 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.4	30.6

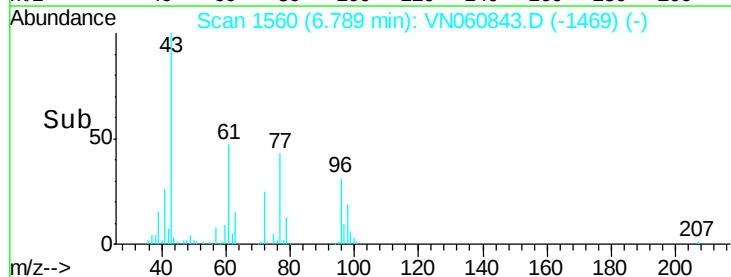
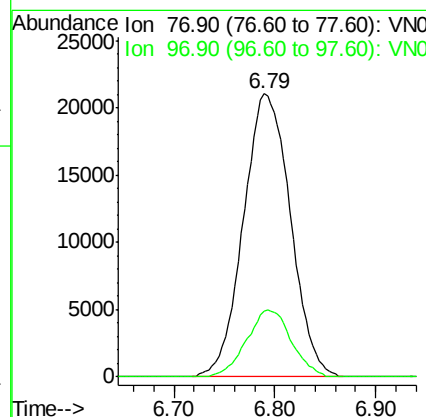
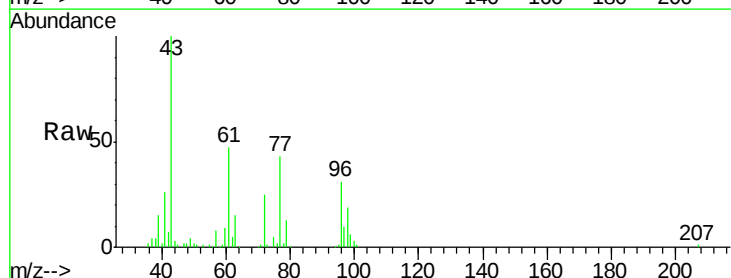
Manual Integrations
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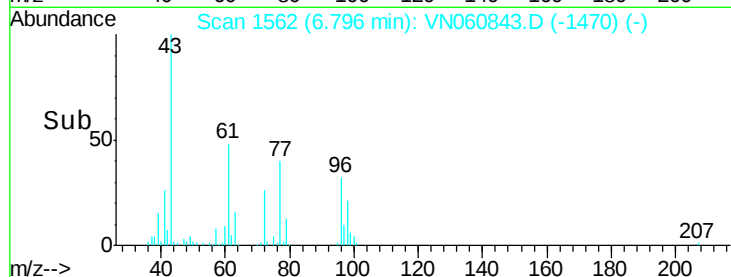
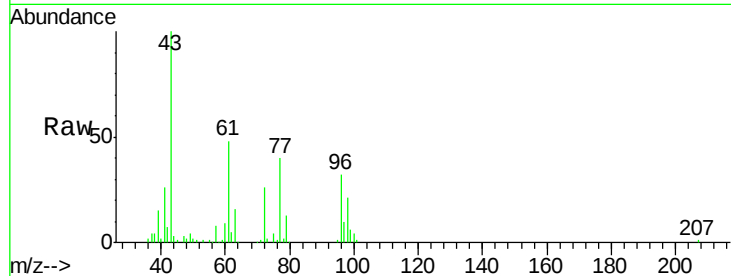
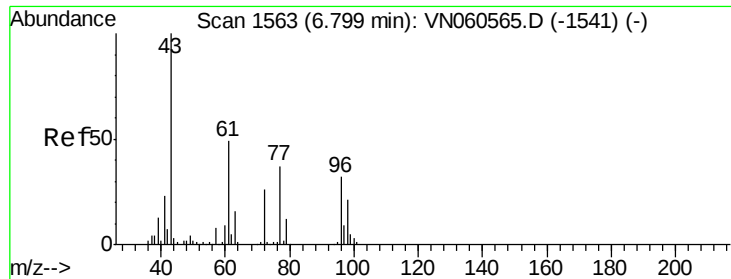
MMDadoda
4/7/2020 3:21:46 PM



#26
2,2-Dichloropropane
Concen: 20.391 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.1





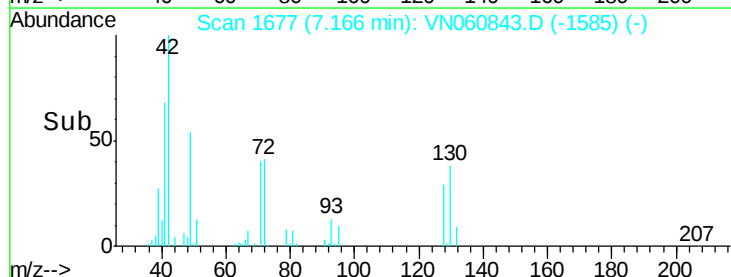
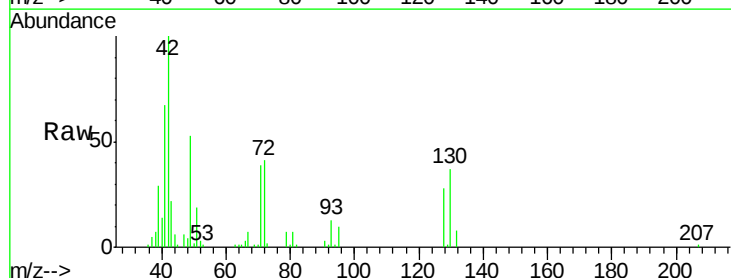
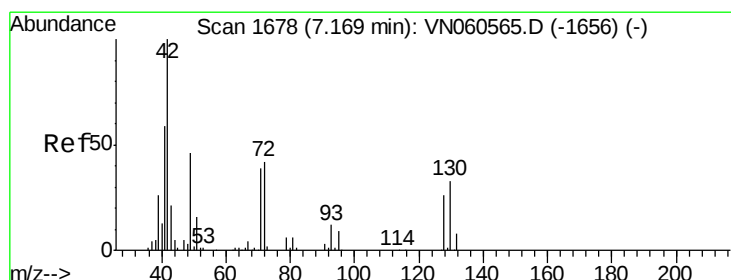
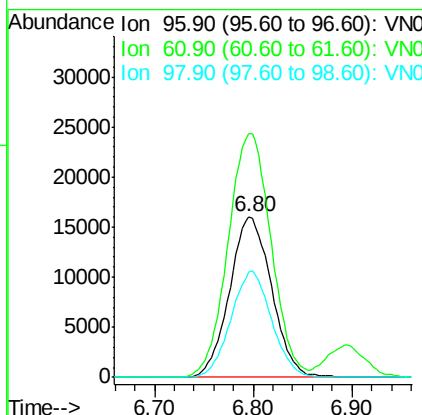
#27
 cis-1,2-Dichloroethene
 Concen: 18.706 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	305.6
98	63.9	0.0	127.6

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

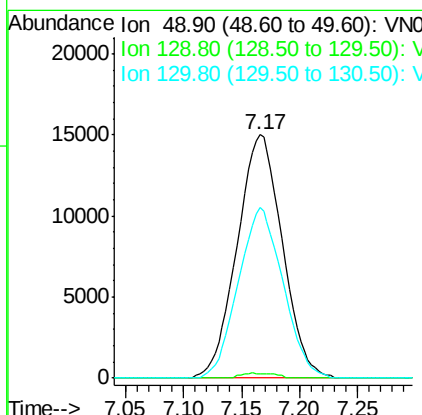
Manual Integrations
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 4/7/2020 3:21:46 PM



#28
 Bromochloromethane
 Concen: 20.073 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	69.2	55.0	82.4





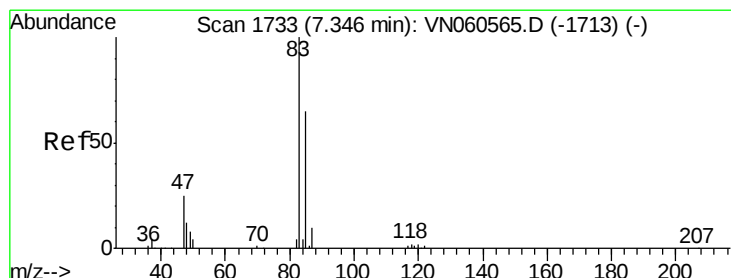
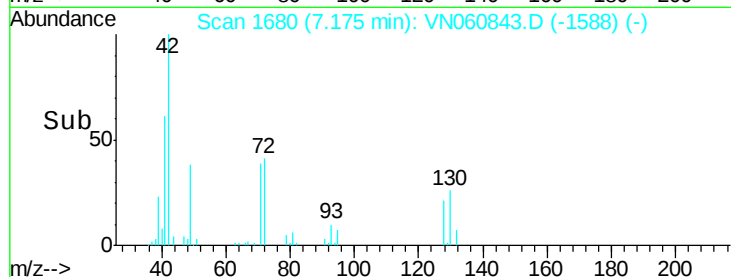
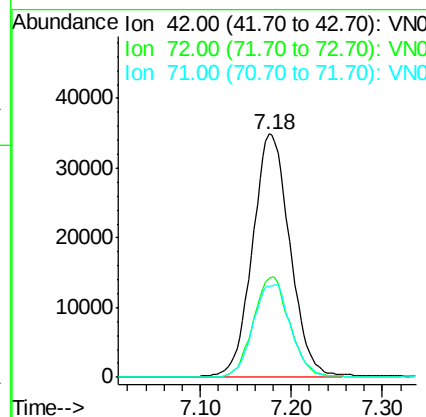
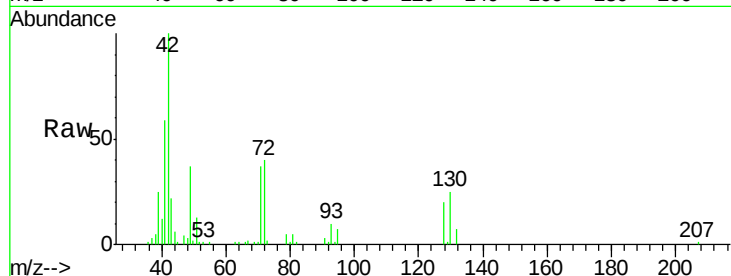
#29
Tetrahydrofuran
Concen: 93.019 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.2	49.8
71	38.5	31.1	46.7

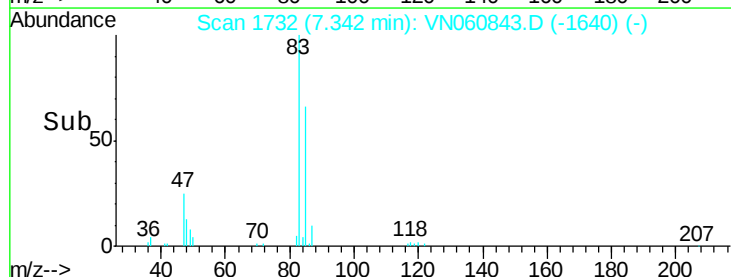
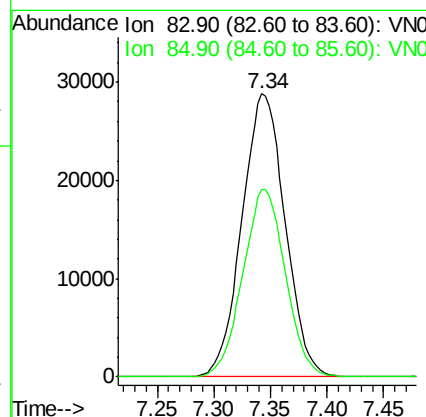
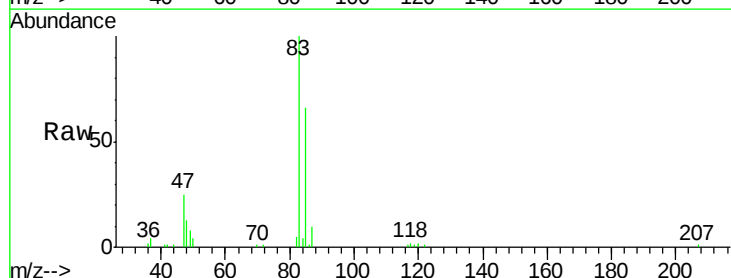
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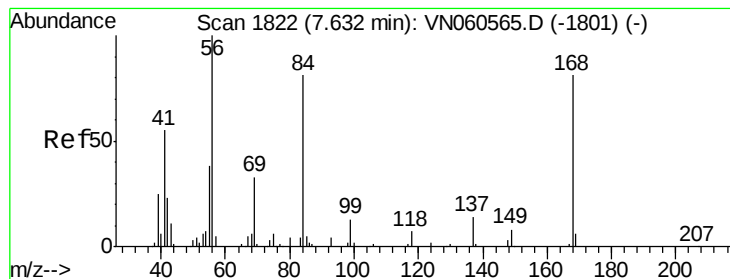
MMDadoda
4/7/2020 3:21:46 PM



#30
Chloroform
Concen: 18.798 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8





#31

Cyclohexane

Concen: 17.627 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion: 56 Resp: 75348

Ion Ratio Lower Upper

56 100

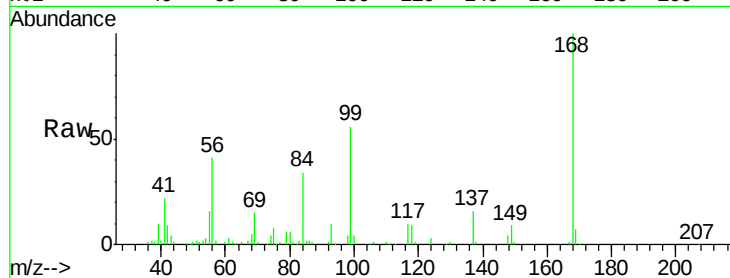
69 37.7 26.6 40.0

84 81.4 64.3 96.5

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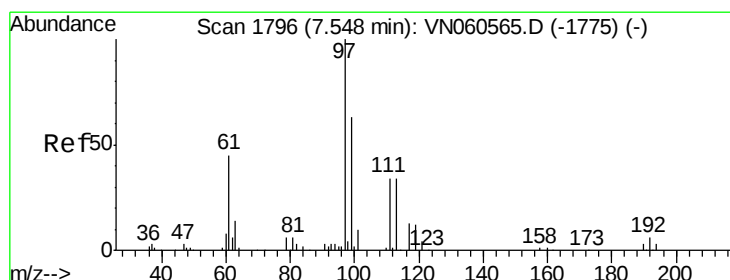
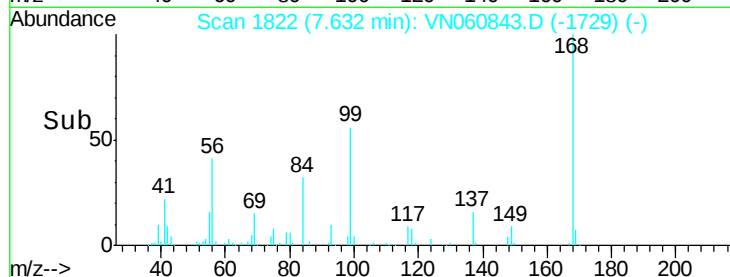
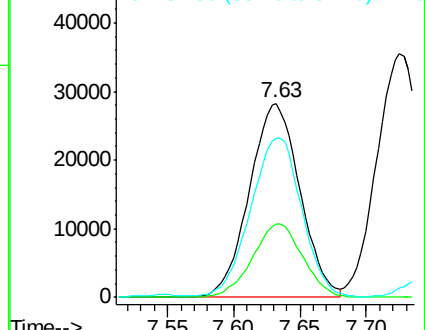
4/7/2020 3:21:46 PM



Abundance Ion 56.00 (55.70 to 56.70): VN060843.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060843.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060843.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 18.503 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

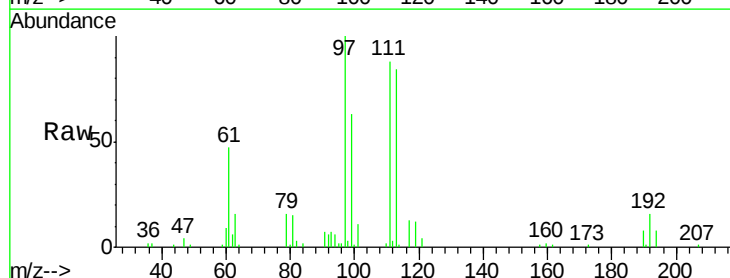
Tgt Ion: 97 Resp: 64837

Ion Ratio Lower Upper

97 100

99 63.7 50.6 75.8

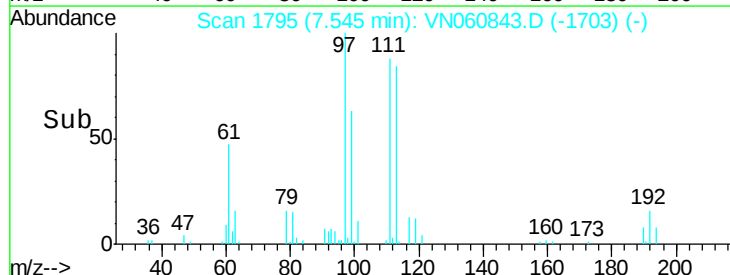
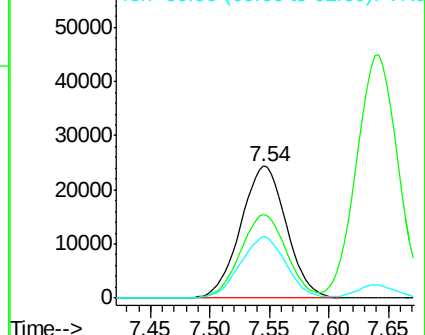
61 46.5 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN060843.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060843.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060843.D (-1703) (-)





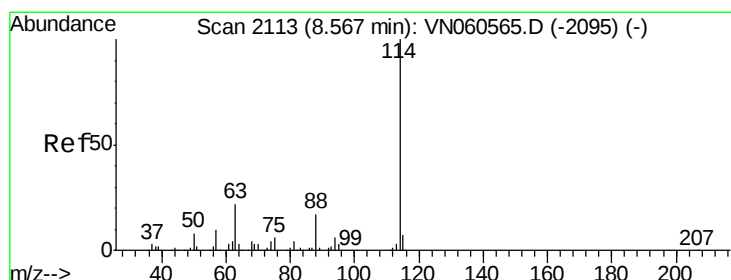
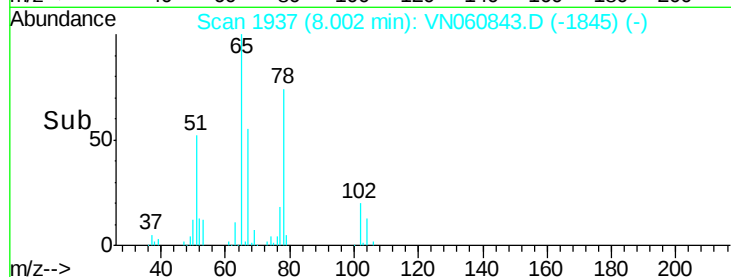
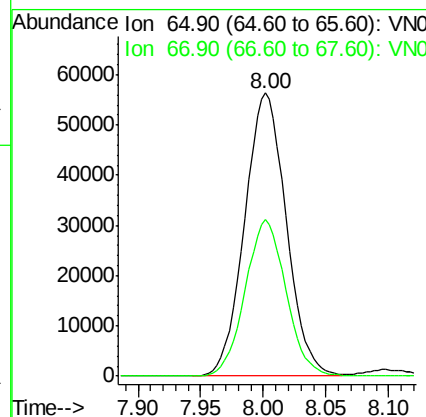
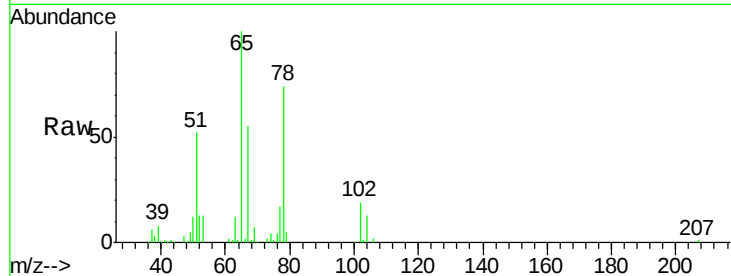
#33
 1,2-Dichloroethane-d4
 Concen: 49.060 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	107.6	

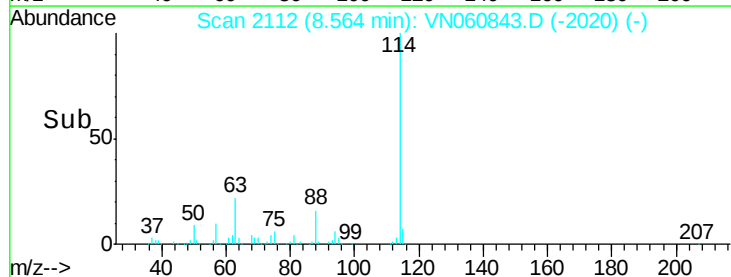
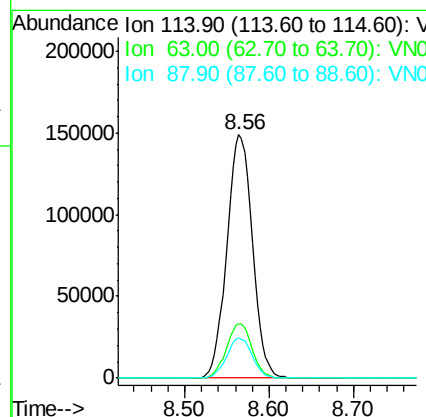
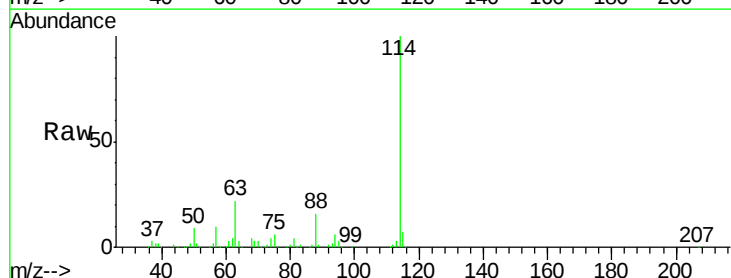
Manual Integrations
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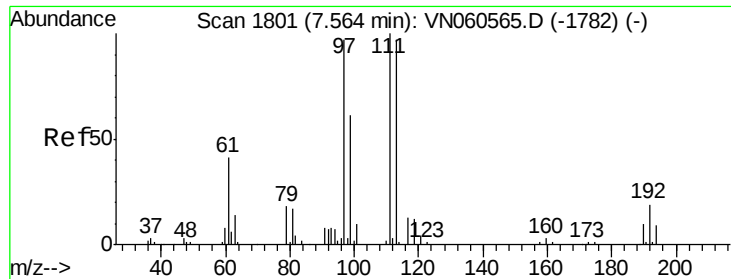
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	43.8	
88	16.4	0.0	33.0	





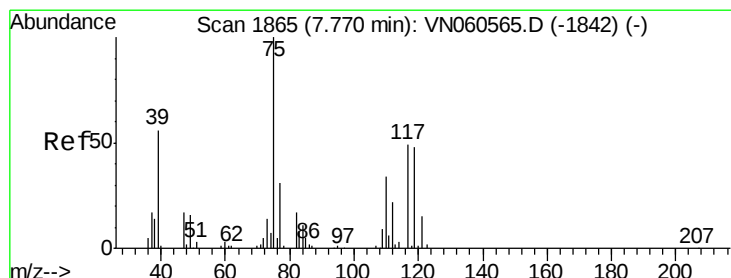
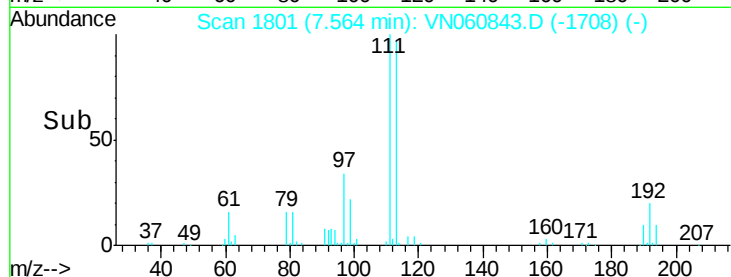
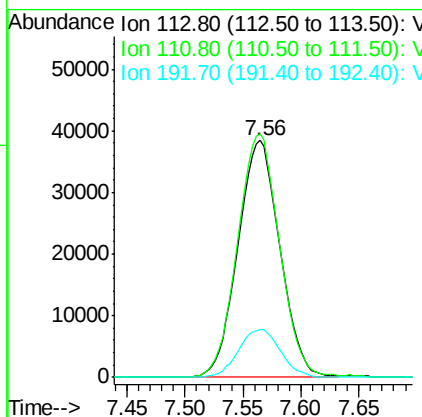
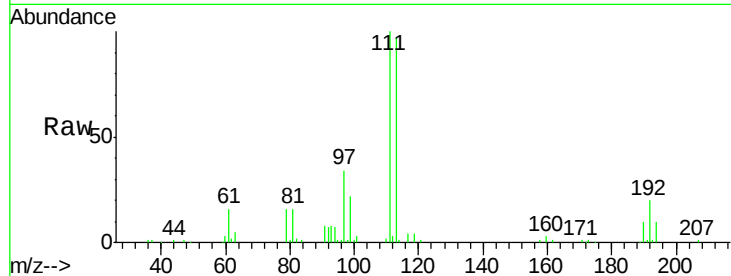
#35
 Dibromofluoromethane
 Concen: 50.898 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96725		
111	102.9	82.9	124.3	
192	20.2	15.8	23.8	

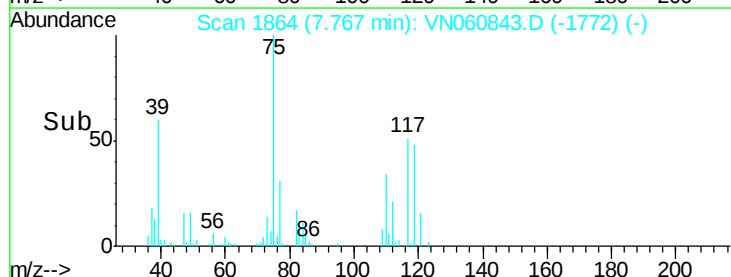
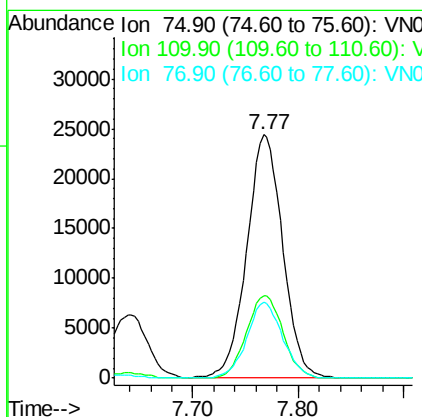
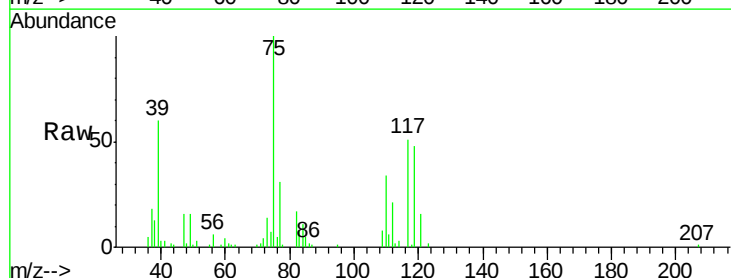
Manual Integrations
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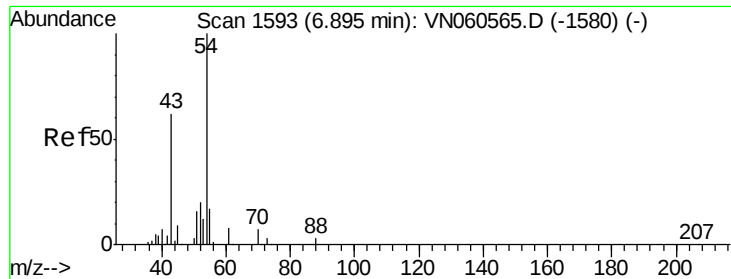
MMDadoda
 4/7/2020 3:21:46 PM



#36
 1,1-Dichloropropene
 Concen: 19.043 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57953		
110	34.2	16.9	50.6	
77	31.1	24.6	36.8	





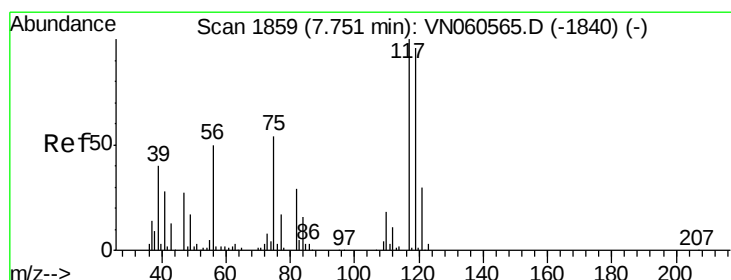
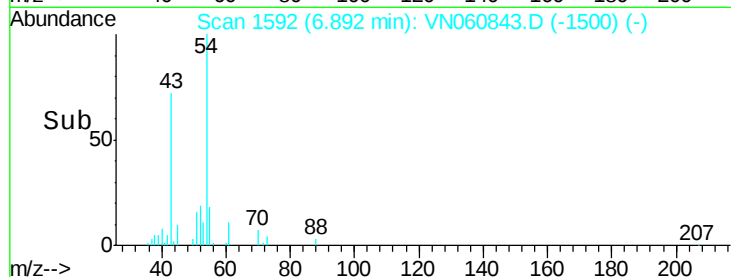
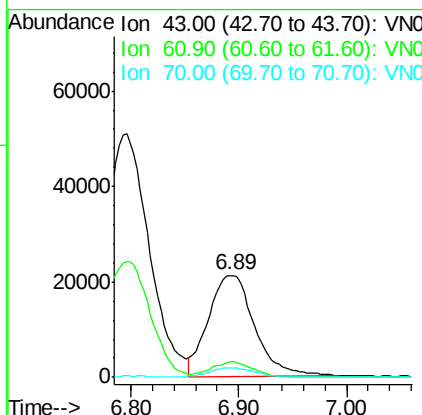
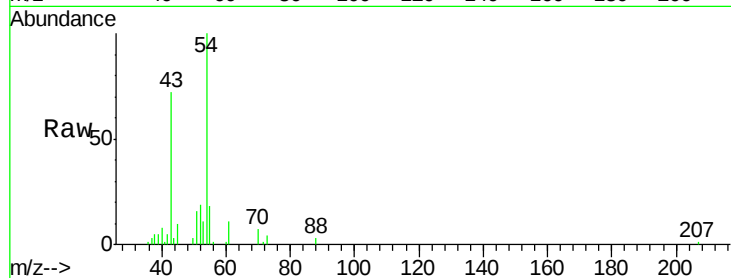
#37
Ethyl Acetate
Concen: 19.093 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	43	61	70
Resp	62782		
Ratio	100	14.0	9.3
Lower		10.6	7.9
Upper		15.8	11.9

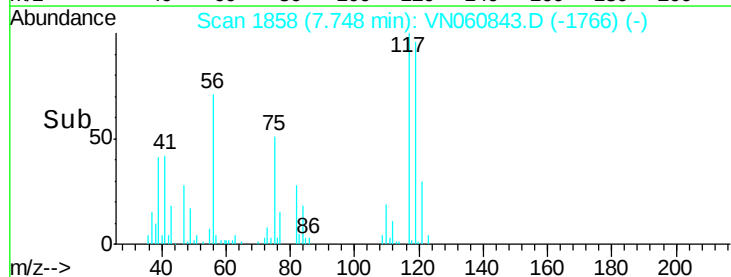
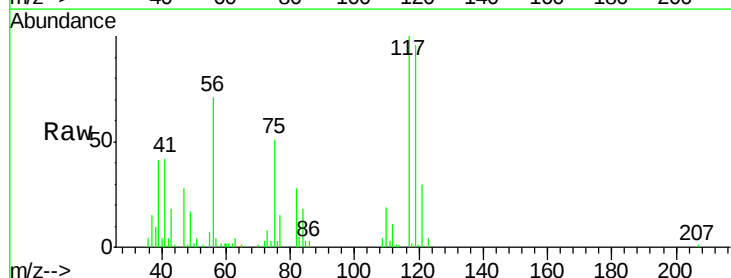
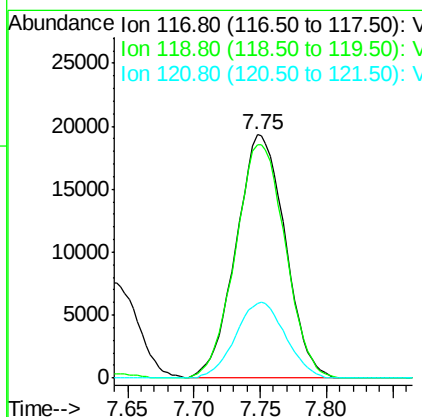
Manual Integrations
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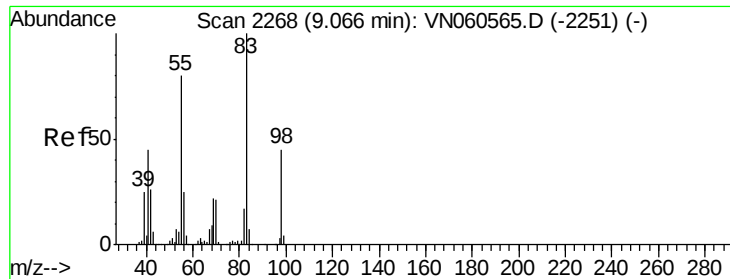
MMDadoda
4/7/2020 3:21:46 PM



#38
Carbon Tetrachloride
Concen: 18.255 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	117	119	121
Resp	49790		
Ratio	100	96.0	30.4
Lower		76.2	23.7
Upper		114.2	35.5





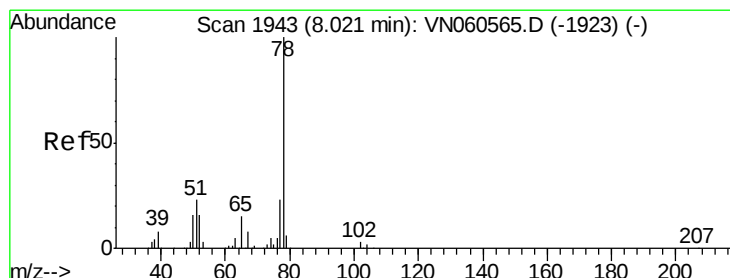
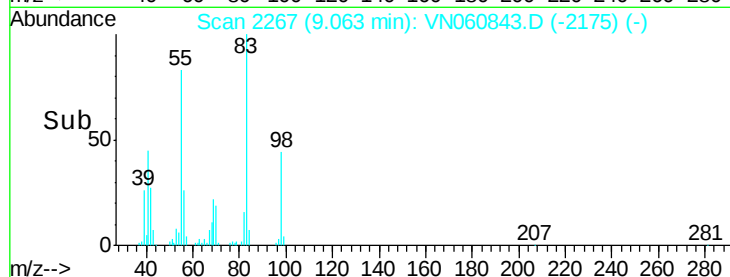
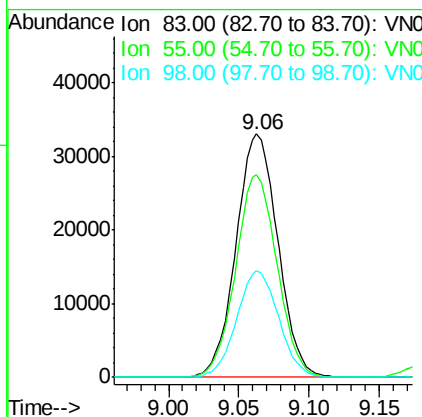
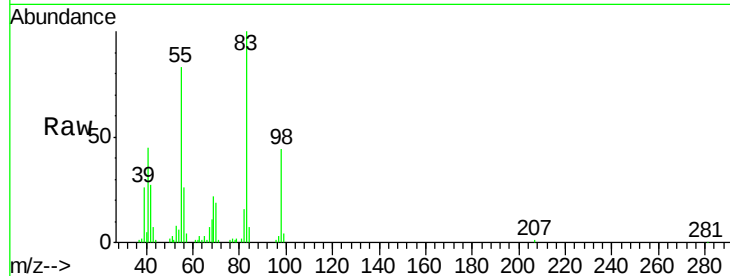
#39
Methvlcvclohexane
Concen: 18.985 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	63.6	95.4
98	43.6	36.0	54.0

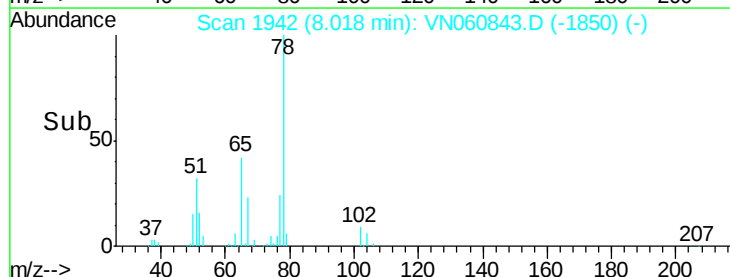
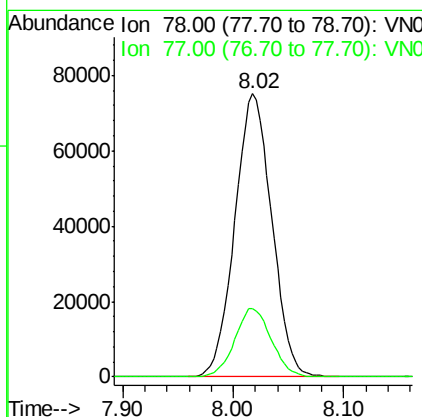
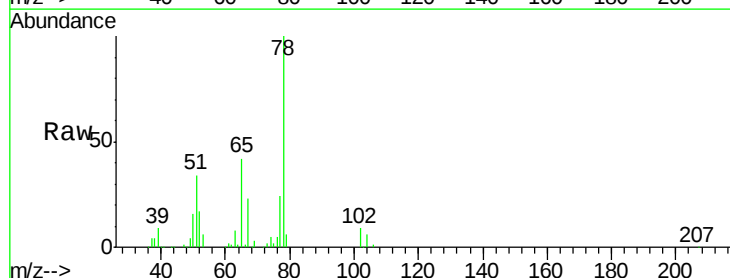
Manual Integrations
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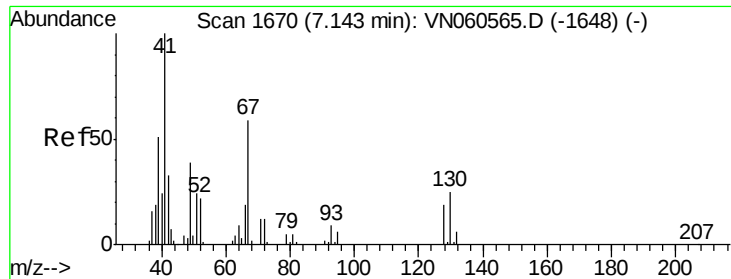
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#40
Benzene
Concen: 18.986 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.6	28.0





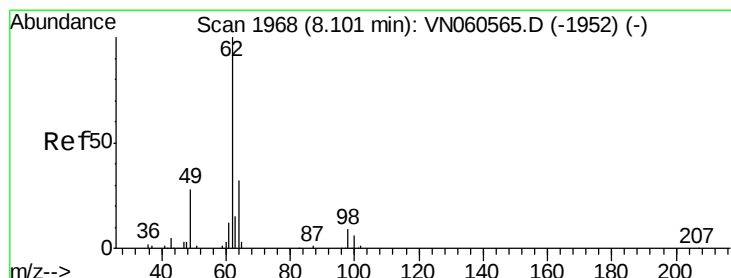
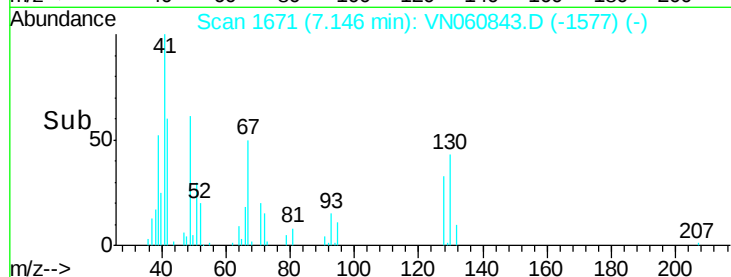
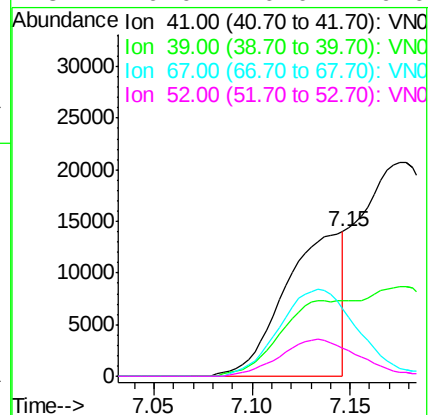
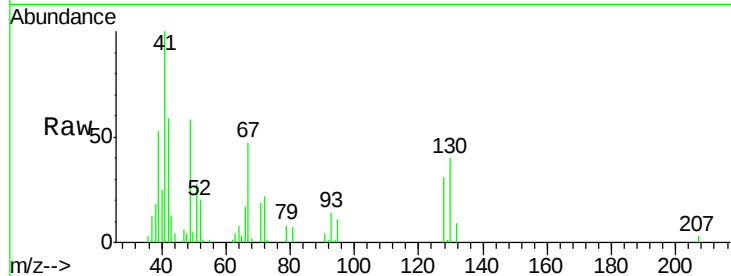
#41
Methacrylonitrile
Concen: 20.659 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	41	Resp	28992
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

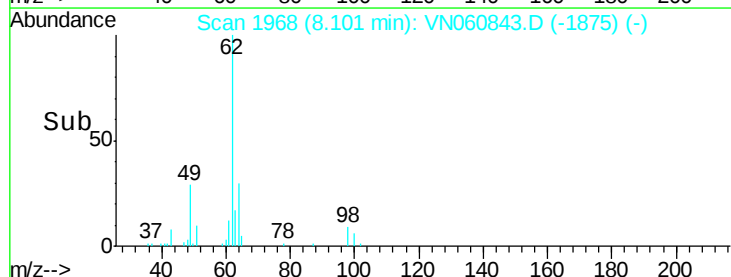
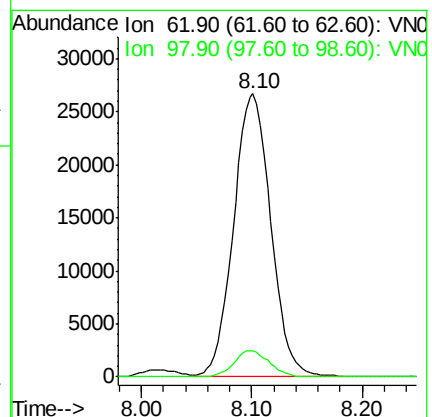
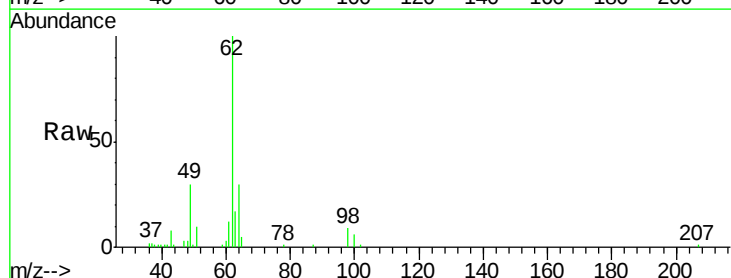
Manual Integrations
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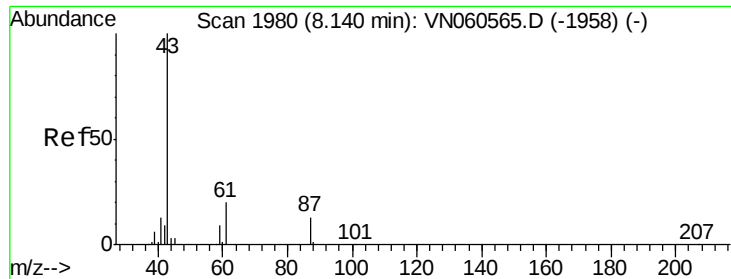
MMDadoda
4/7/2020 3:21:46 PM



#42
1,2-Dichloroethane
Concen: 19.876 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	62	Resp	62403
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.751 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

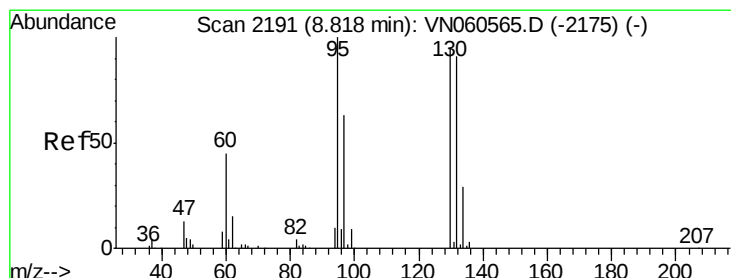
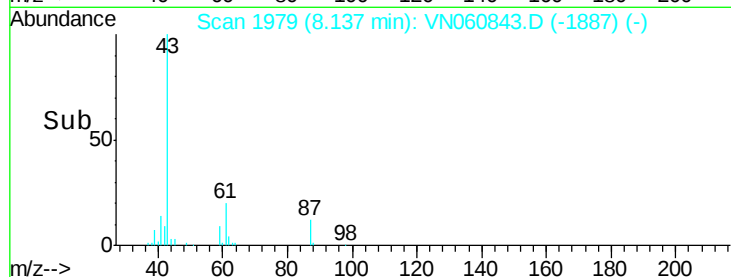
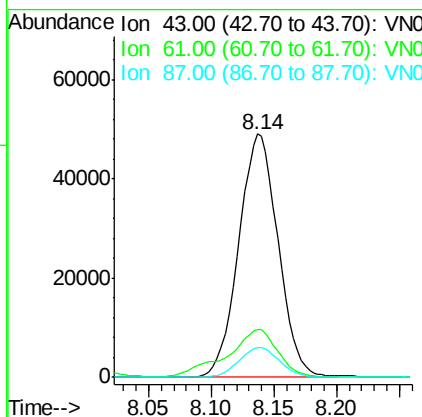
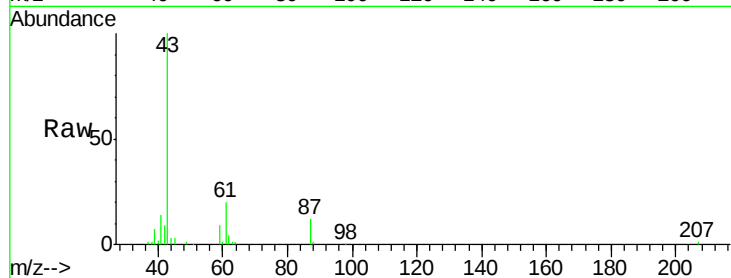
ClientSampleId :

VN0406WBSD01

Tot Ion:	43	Resp:	107110
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.7	31.1
87	12.5	9.8	14.8

Manual Integrations
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4/7/2020 3:21:46 PM



#44

Trichloroethene

Concen: 19.376 ug/l

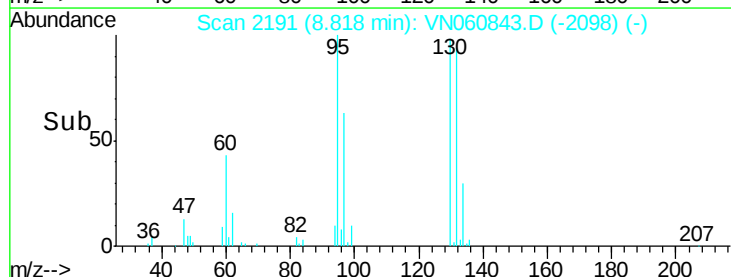
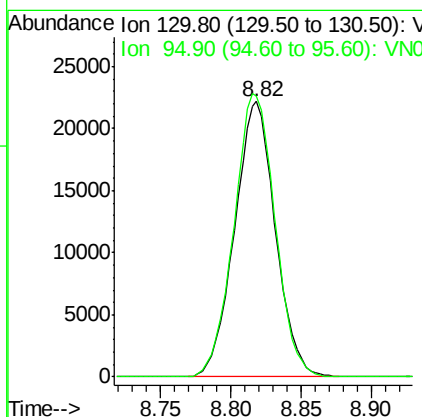
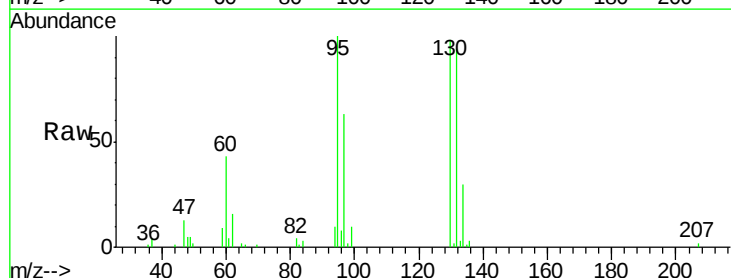
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion:	130	Resp:	44873
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	211.2





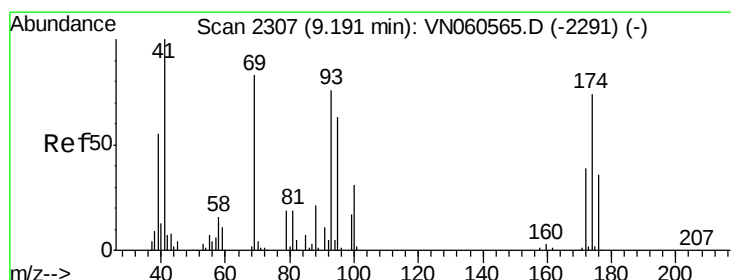
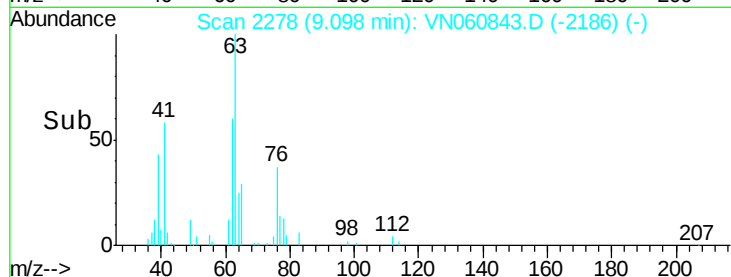
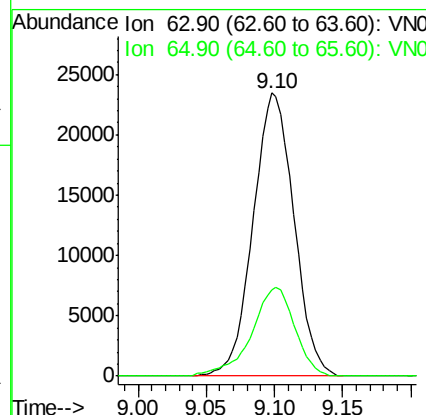
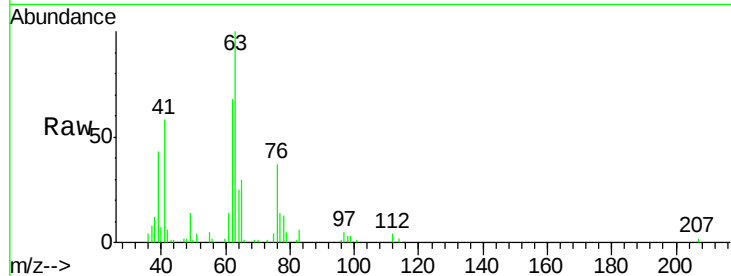
#45
 1,2-Dichloropropane
 Concen: 20.110 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0406WBSD01

Tot Ion: 63 Resp: 48748
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.4 38.0

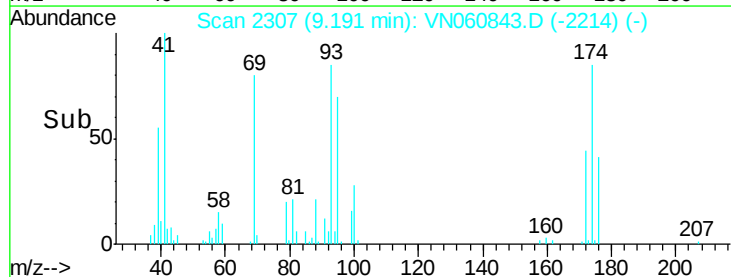
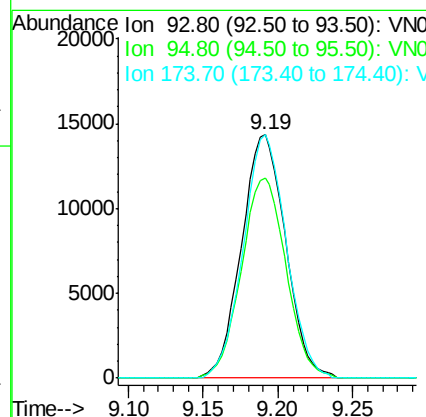
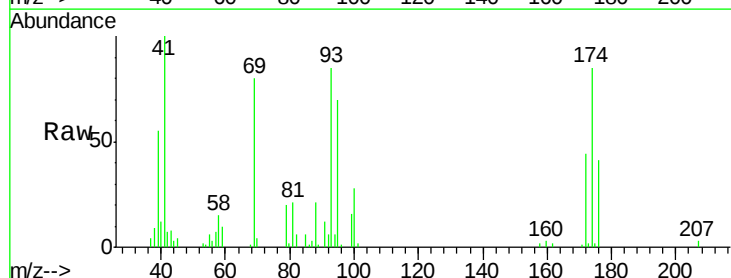
Manual Integrations
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#46
 Dibromomethane
 Concen: 20.122 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion: 93 Resp: 29488
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 97.5 77.9 116.9





#47

Bromodichloromethane

Concen: 19.286 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

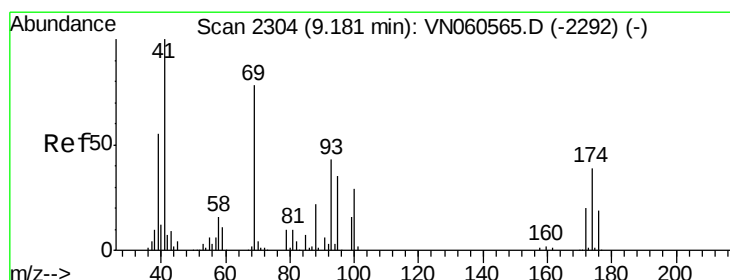
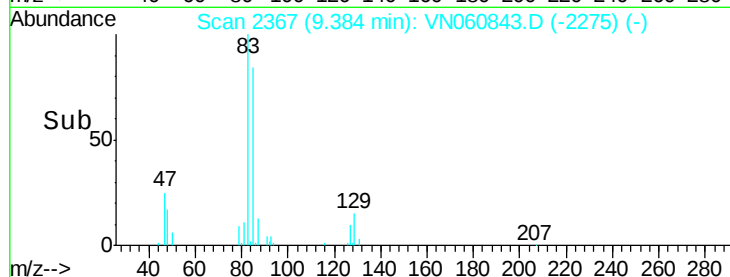
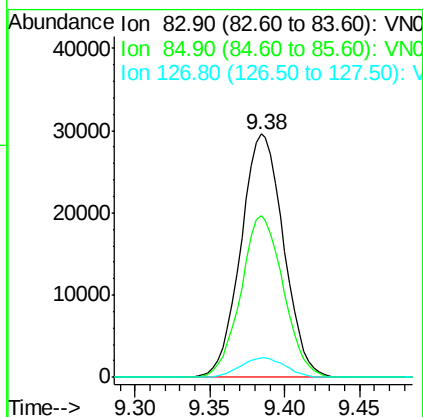
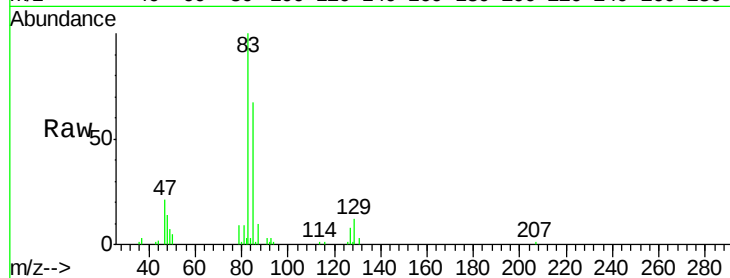
ClientSampleId :

VN0406WBSD01

Tot Ion:	83	Resp:	58731
Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.6
127	8.2	6.5	9.7

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#48

Methyl methacrylate

Concen: 19.262 ug/l

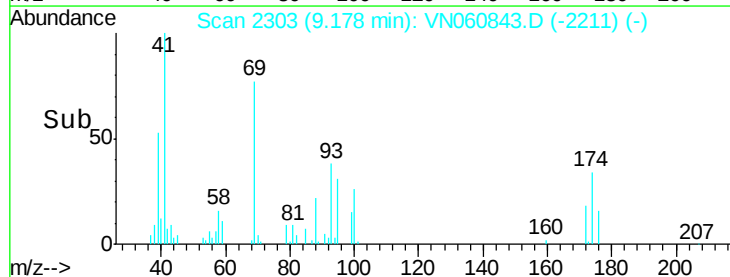
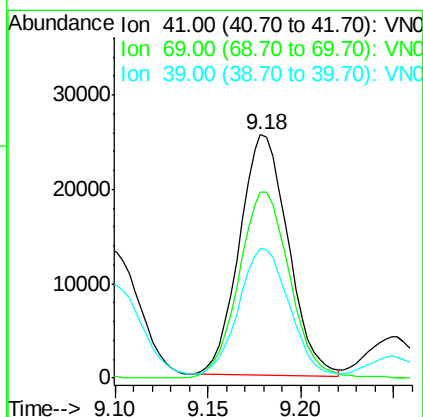
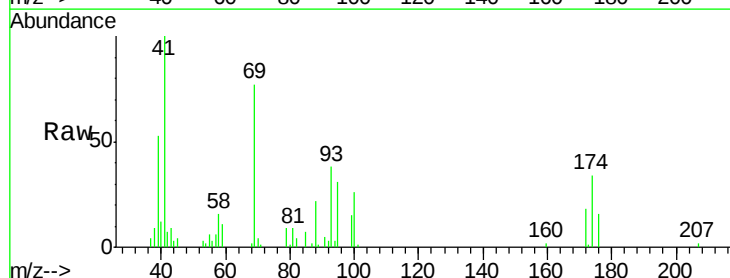
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion:	41	Resp:	46508
Ion	Ratio	Lower	Upper
41	100		
69	81.1	65.4	98.0
39	57.1	44.0	66.0





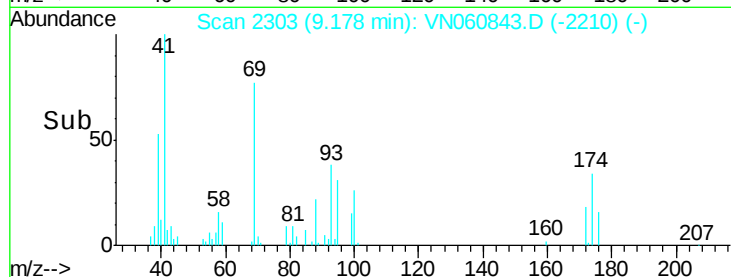
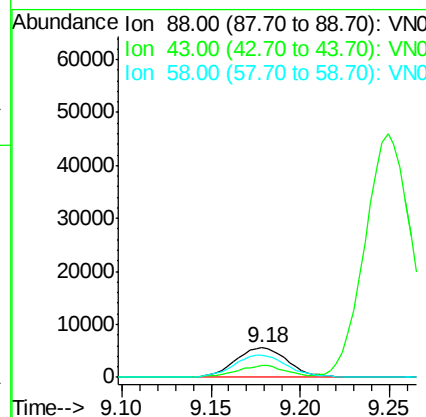
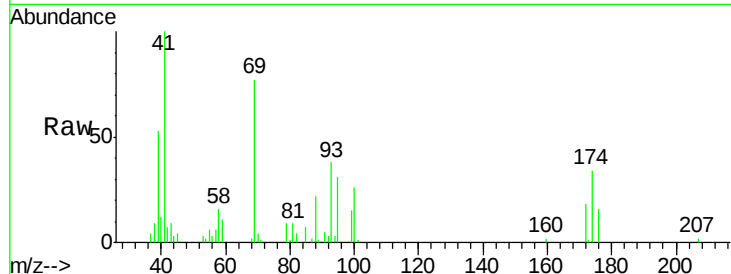
#49
1,4-Dioxane
Concen: 398.451 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	30.8	46.2
58	76.7	59.8	89.8

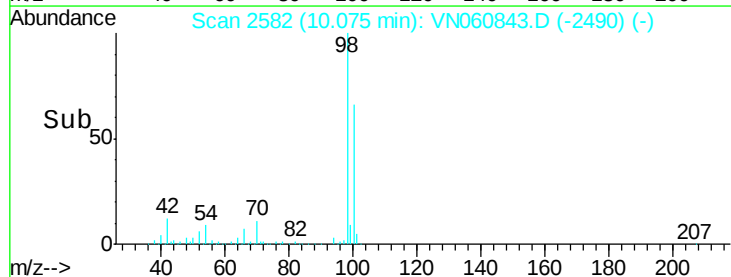
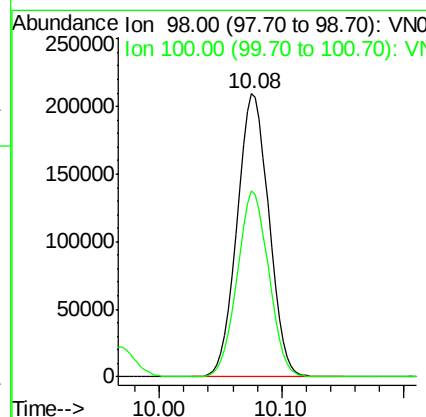
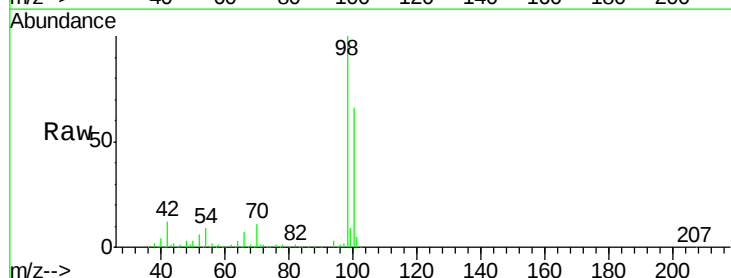
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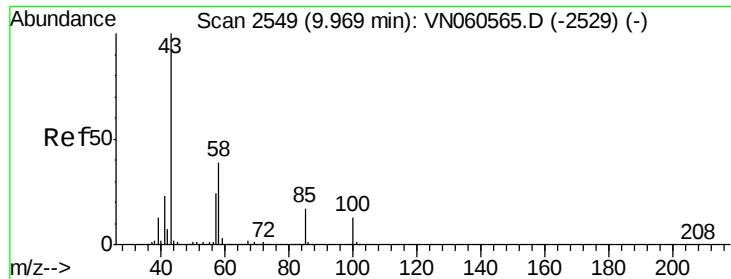
MMDadoda
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#50
Toluene-d8
Concen: 48.947 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 99.575 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion: 43 Resp: 307280

Ion Ratio Lower Upper

43 100

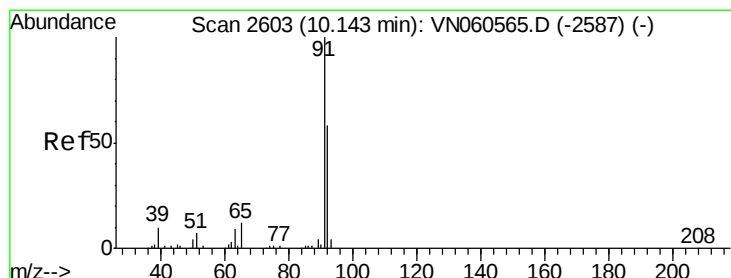
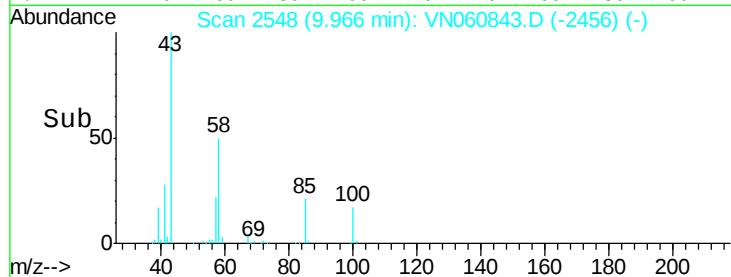
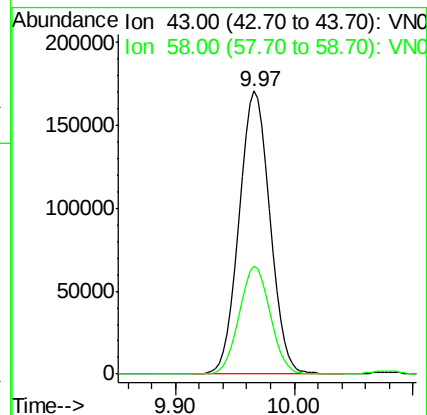
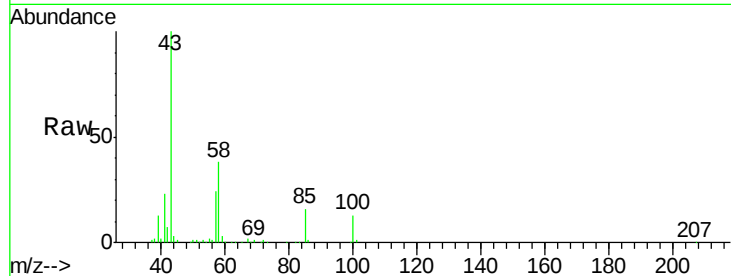
58 38.3 30.8 46.2

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#52

Toluene

Concen: 19.230 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060843.D

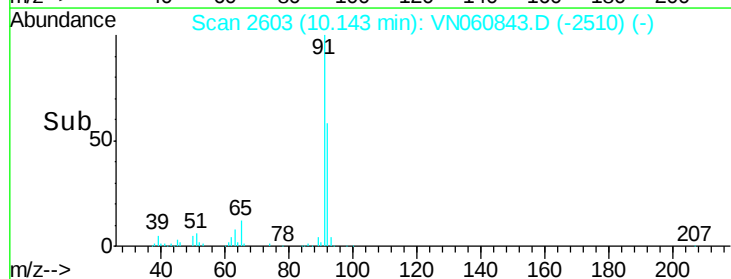
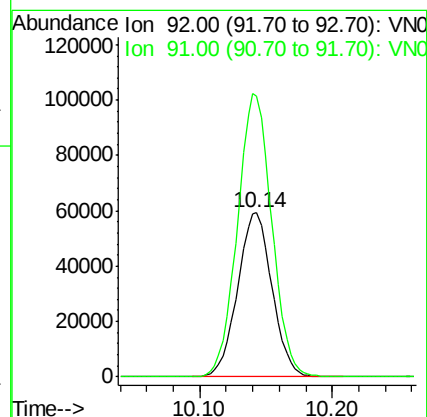
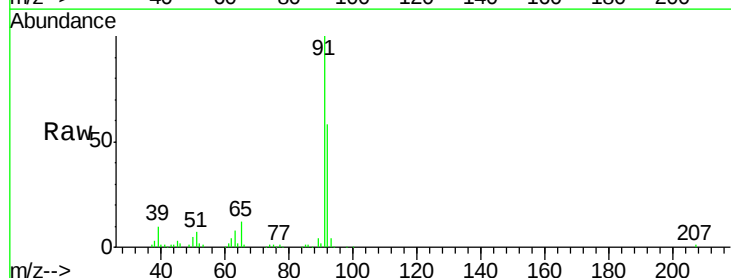
Acq: 6 Apr 2020 12:11

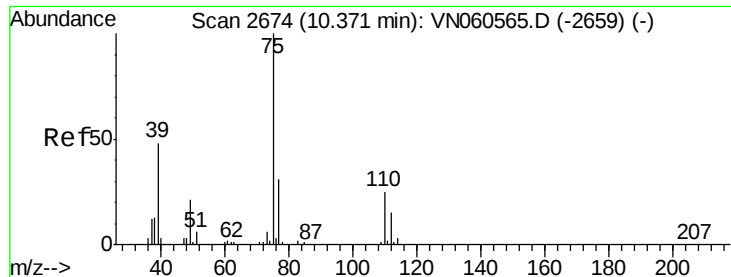
Tgt Ion: 92 Resp: 106691

Ion Ratio Lower Upper

92 100

91 172.2 137.6 206.4





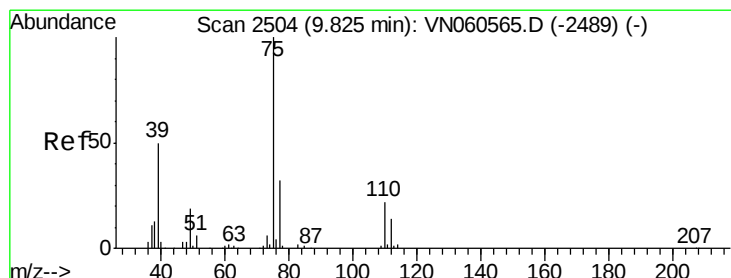
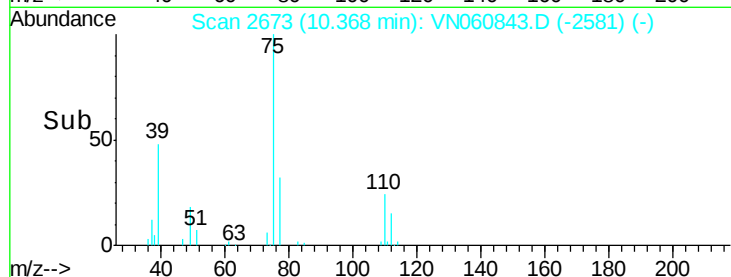
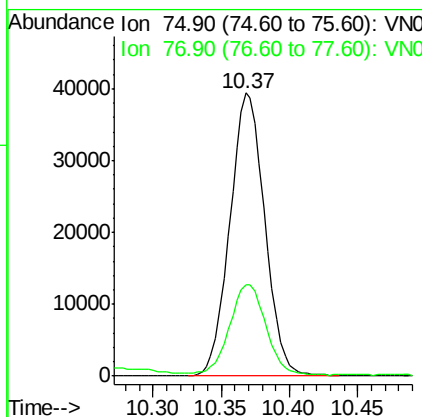
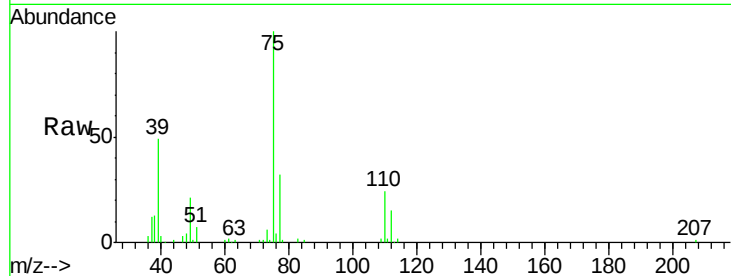
#53
 t-1,3-Dichloropropene
 Concen: 19.992 ug/l
 RT: 10.37 min Scan# 2673
 Delta R.T. -0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Tot Ion: 75 Resp: 69934
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7

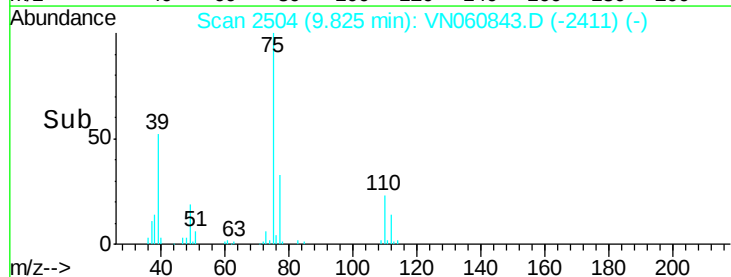
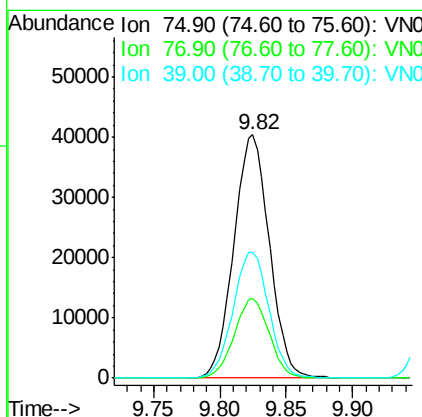
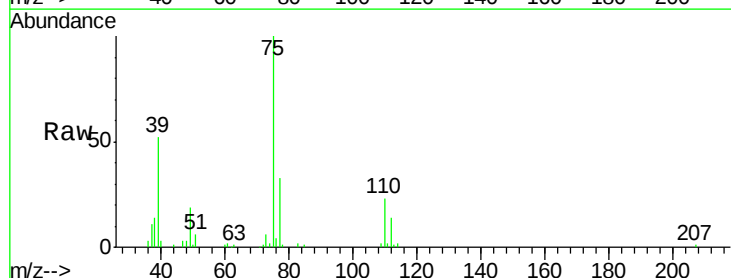
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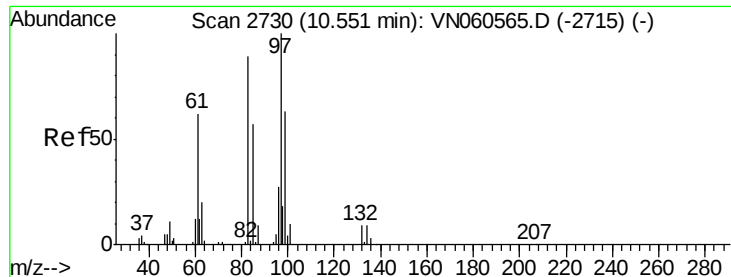
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#54
 cis-1,3-Dichloropropene
 Concen: 19.625 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion: 75 Resp: 75313
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0
 39 51.8 40.2 60.4





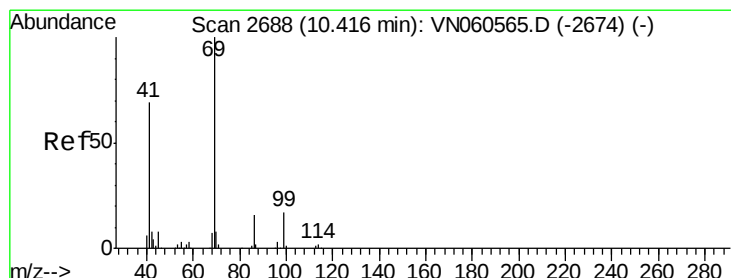
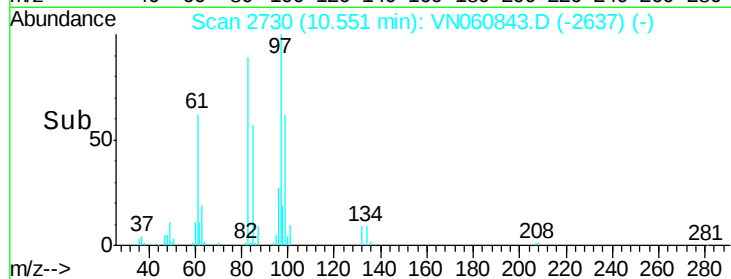
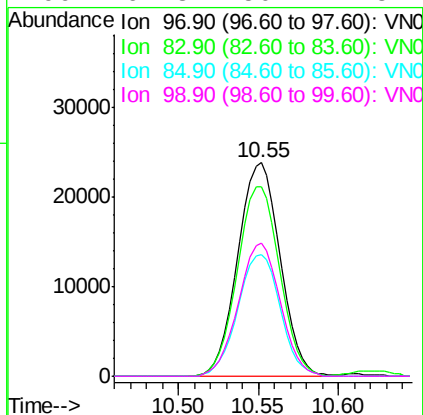
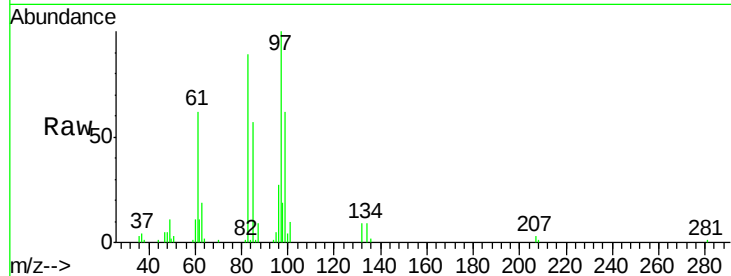
#55
 1,1,2-Trichloroethane
 Concen: 20.182 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.3	106.9
85	57.1	45.2	67.8
99	62.3	50.1	75.1

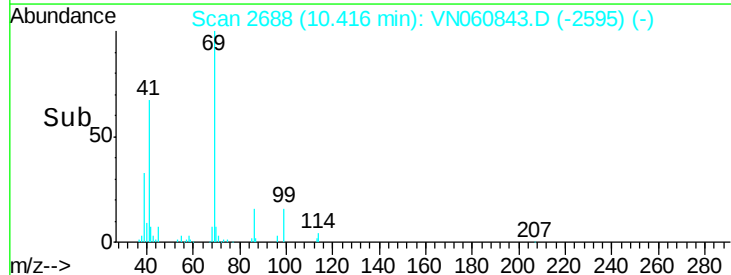
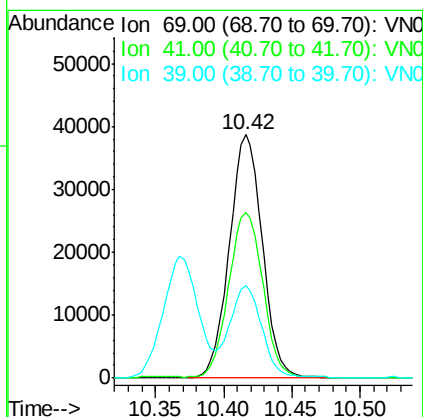
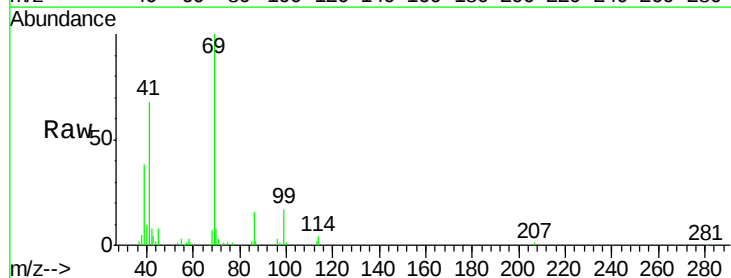
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#56
 Ethyl methacrylate
 Concen: 19.572 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.0	55.4	83.2
39	36.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.107 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion: 76 Resp: 74474

Ion Ratio Lower Upper

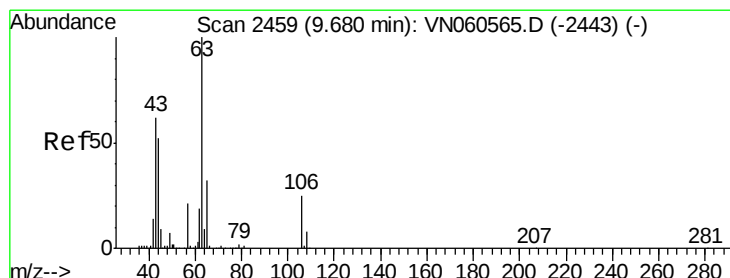
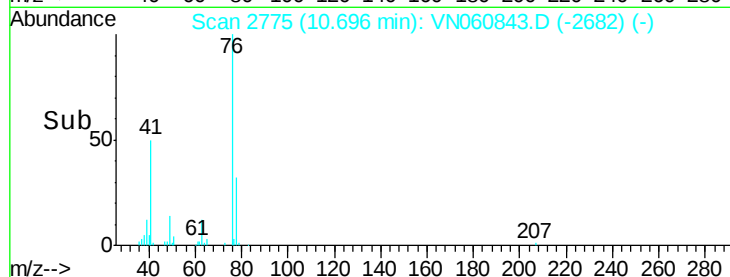
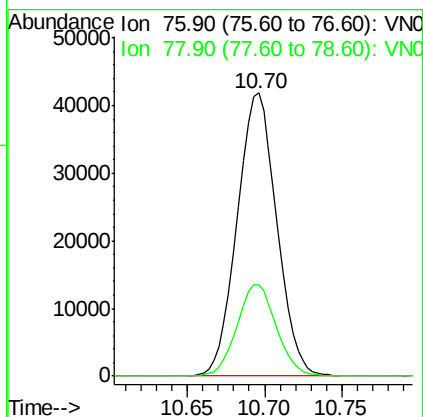
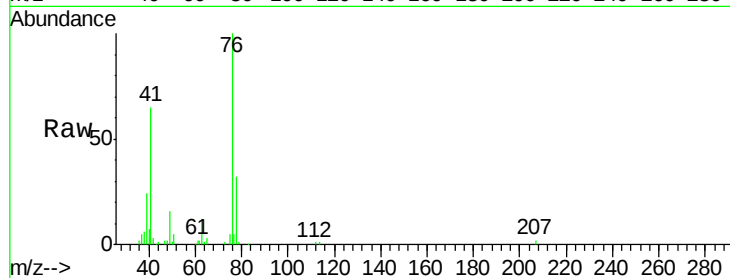
76 100

78 32.1 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 87.539 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060843.D

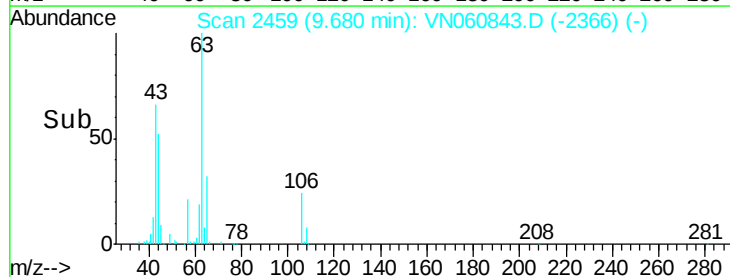
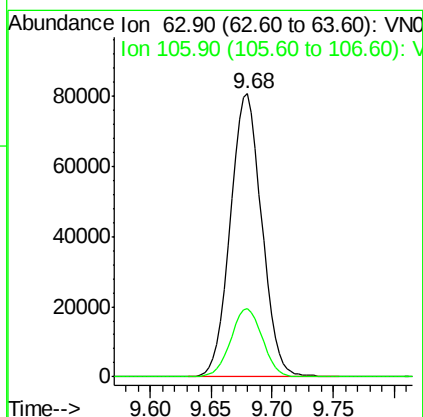
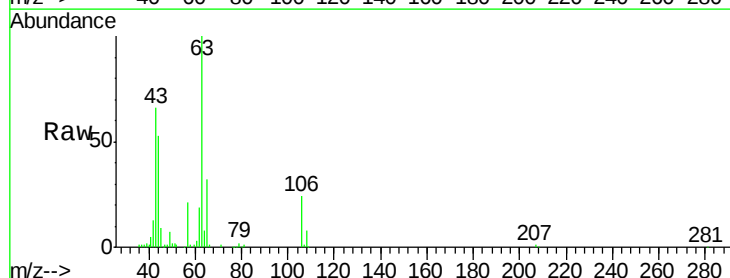
Acq: 6 Apr 2020 12:11

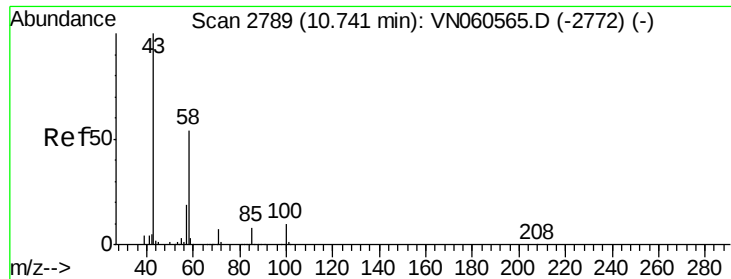
Tgt Ion: 63 Resp: 144799

Ion Ratio Lower Upper

63 100

106 24.3 20.0 30.0





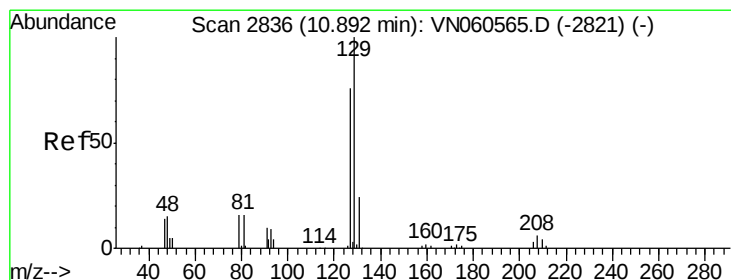
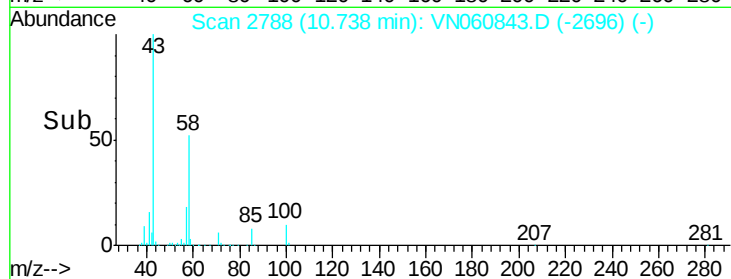
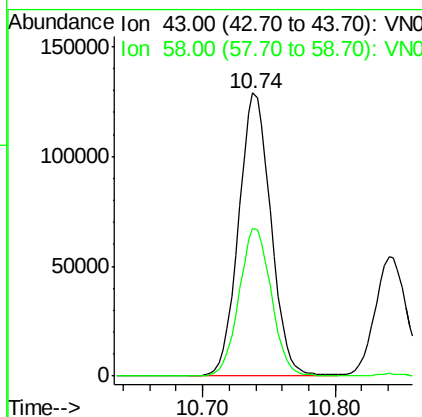
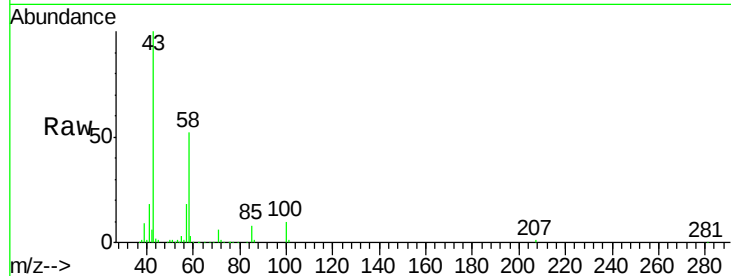
#59
2-Hexanone
Concen: 97.954 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion: 43 Resp: 217746
Ion Ratio Lower Upper
43 100
58 52.4 26.7 80.1

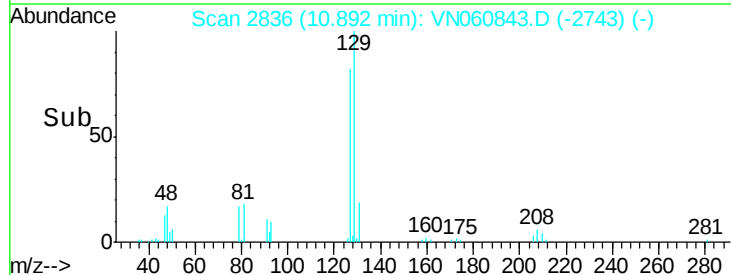
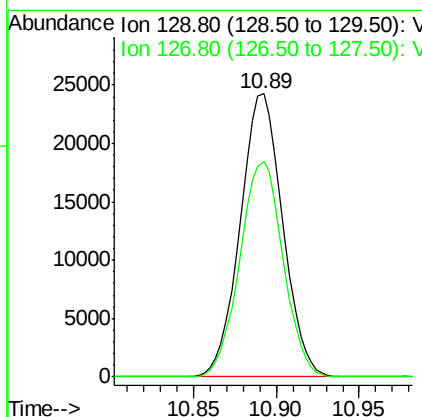
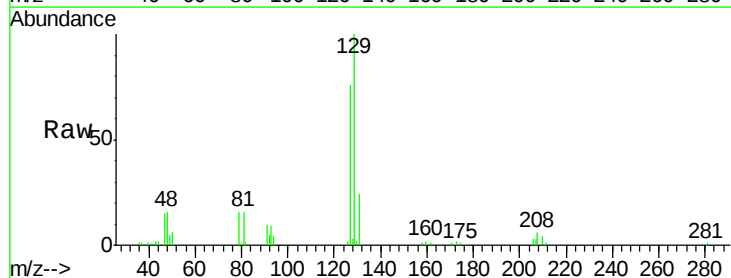
Manual Integrations
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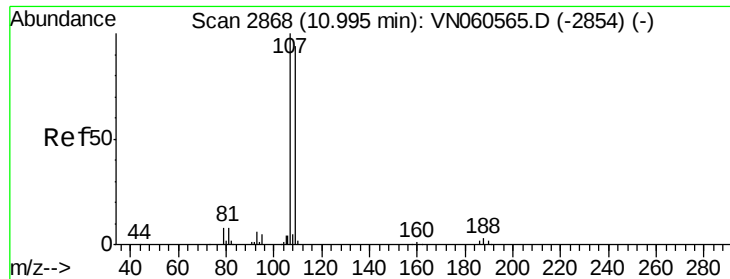
MMDadoda
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#60
Dibromochloromethane
Concen: 19.585 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion: 129 Resp: 43181
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





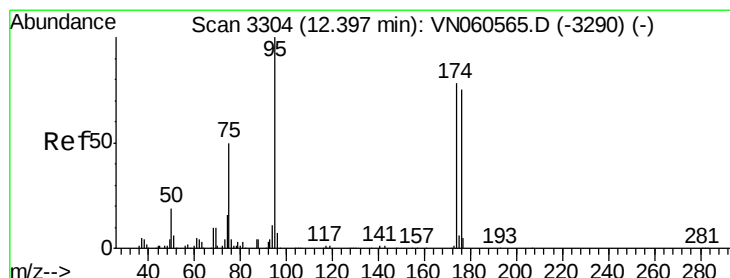
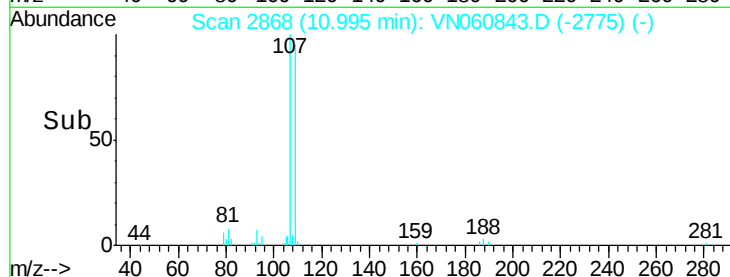
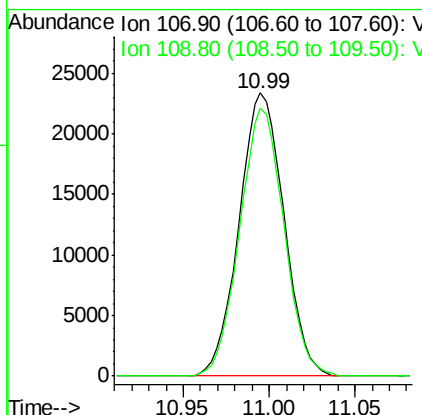
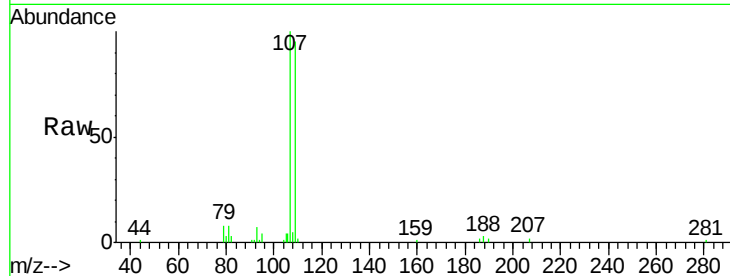
#61
 1,2-Dibromoethane
 Concen: 19.676 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Tot Ion:107 Resp: 42231
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2

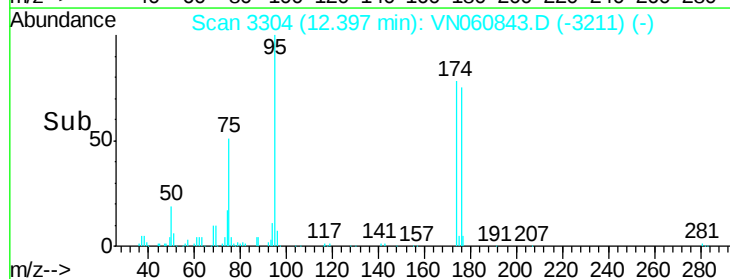
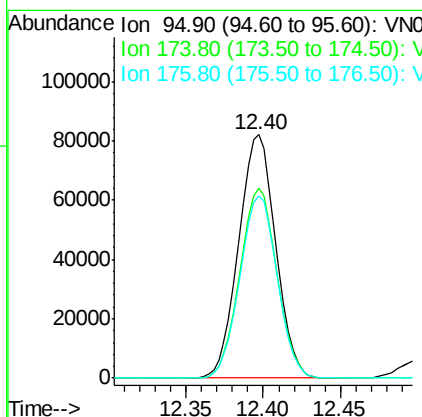
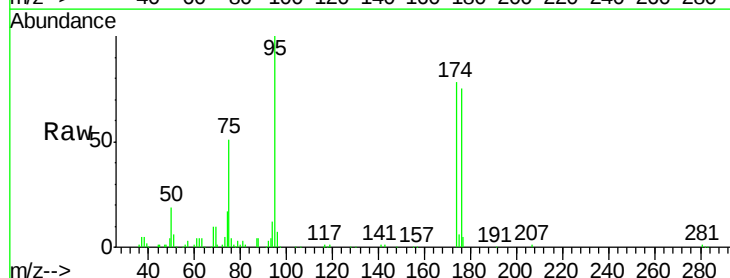
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.043 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion: 95 Resp: 136669
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 157.6
 176 75.6 0.0 150.6





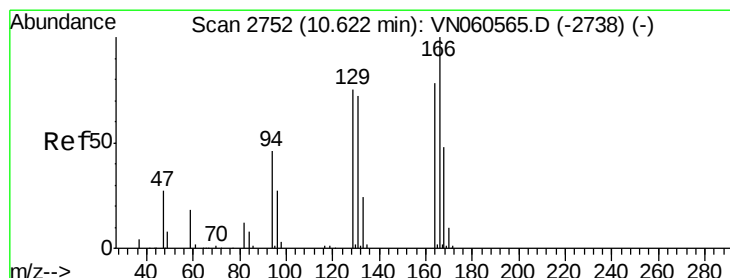
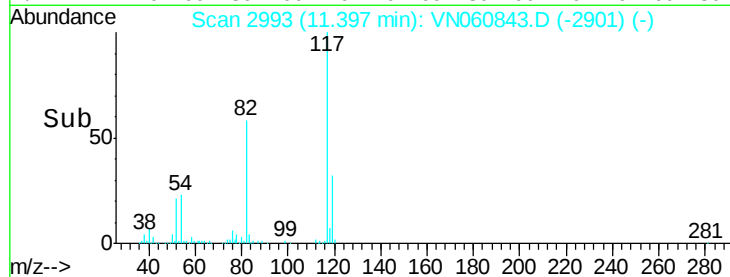
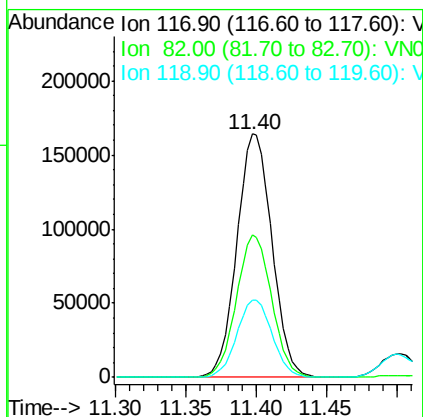
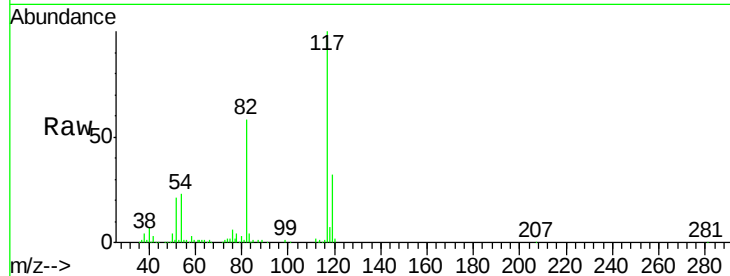
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.7	70.1
119	31.8	25.5	38.3

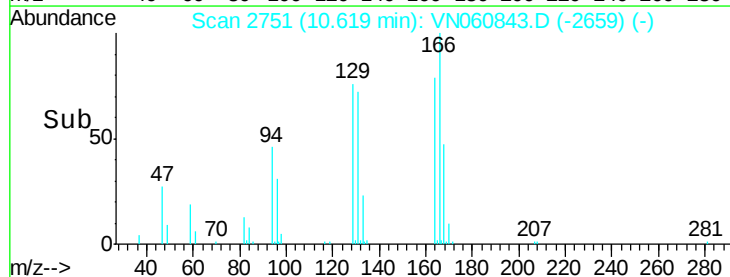
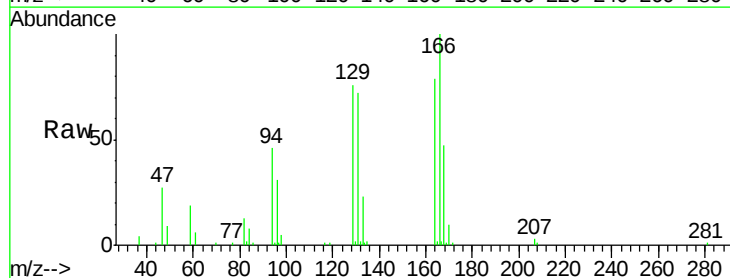
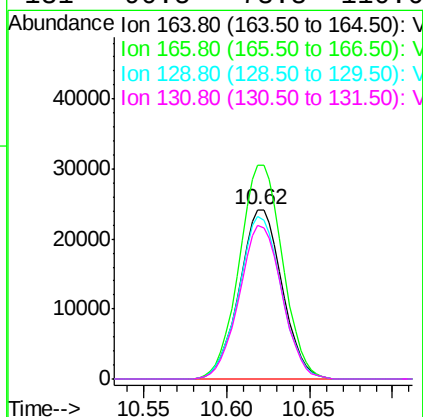
Manual Integrations
APPROVED

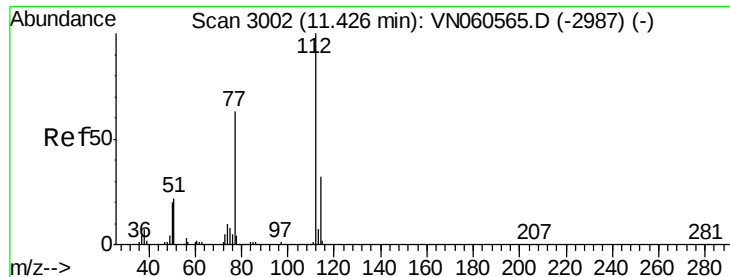
MMDadoda
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#64
Tetrachloroethene
Concen: 19.195 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.7	154.1
129	96.0	77.2	115.8
131	90.5	73.8	110.6





#65

Chlorobenzene

Concen: 19.228 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampled :

VN0406WBSD01

Tot Ion:112 Resp: 109210

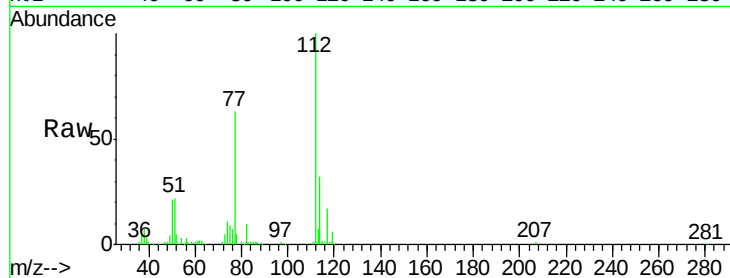
Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.6

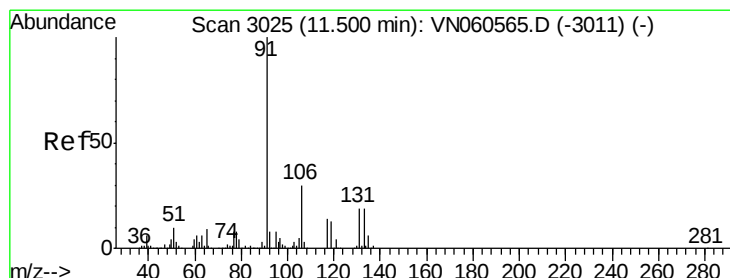
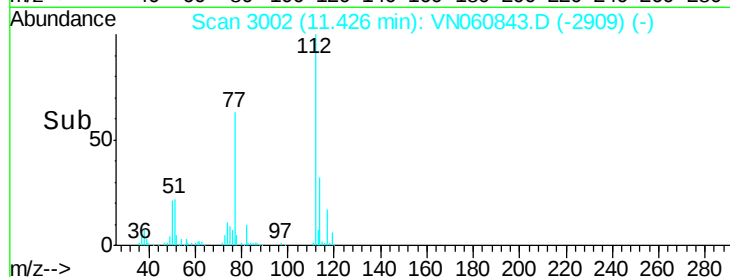
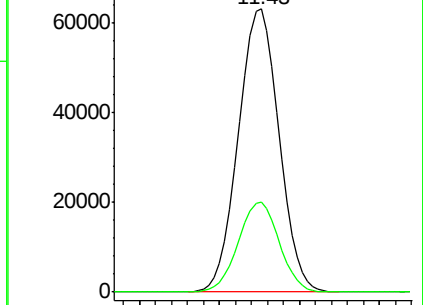
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.481 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

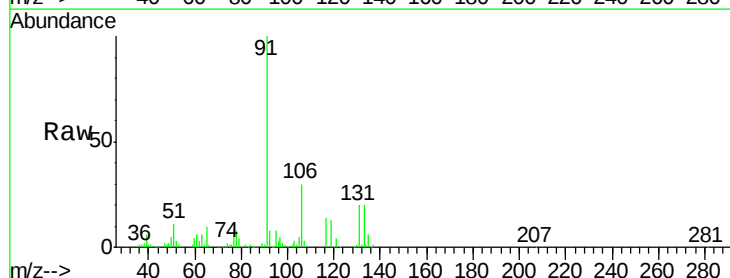
Tgt Ion:131 Resp: 40061

Ion Ratio Lower Upper

131 100

133 99.6 48.9 146.8

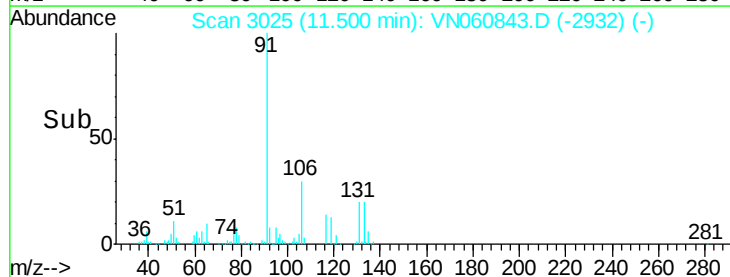
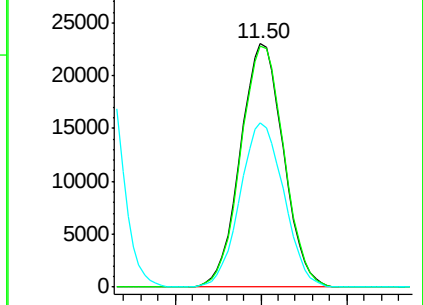
119 68.9 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





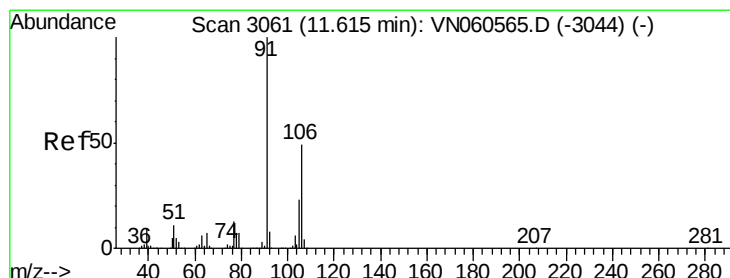
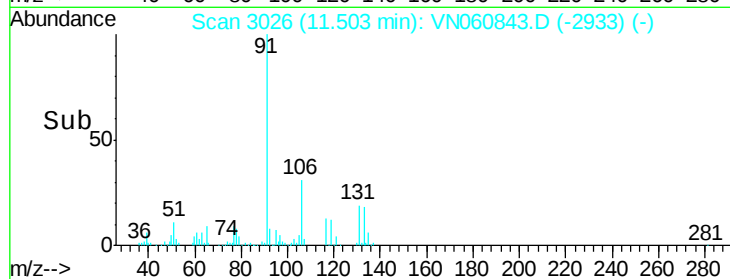
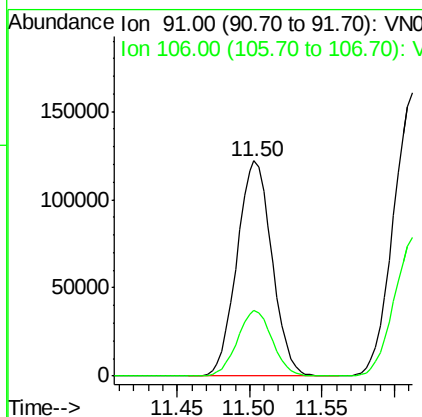
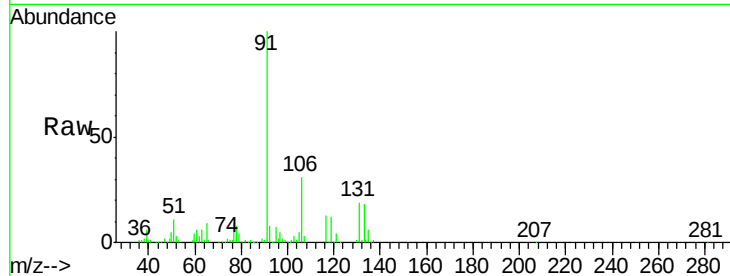
#67
Ethyl Benzene
Concen: 19.404 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion: 91 Resp: 204955
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2

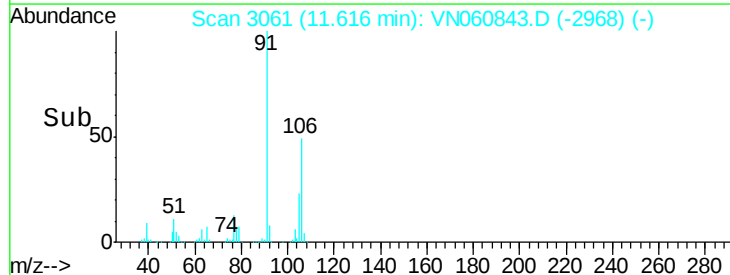
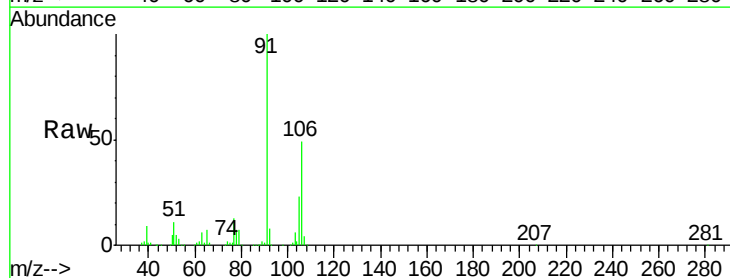
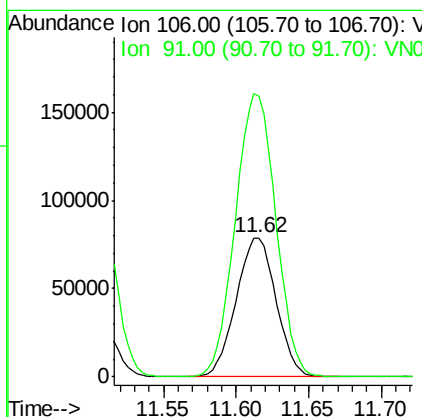
Manual Integrations
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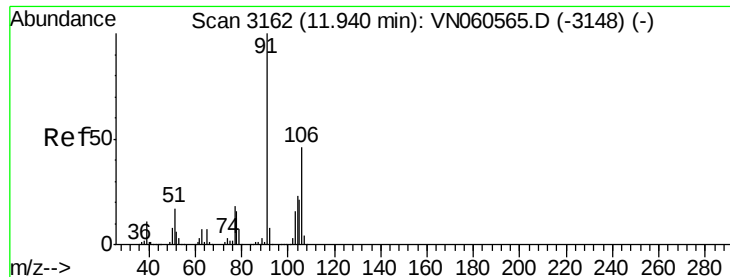
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#68
m/p-Xylenes
Concen: 38.501 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion: 106 Resp: 151116
Ion Ratio Lower Upper
106 100
91 206.2 165.0 247.4





#69

o-Xylene

Concen: 19.407 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampled :

VN0406WBSD01

Tot Ion:106 Resp: 72715

Ion Ratio Lower Upper

106 100

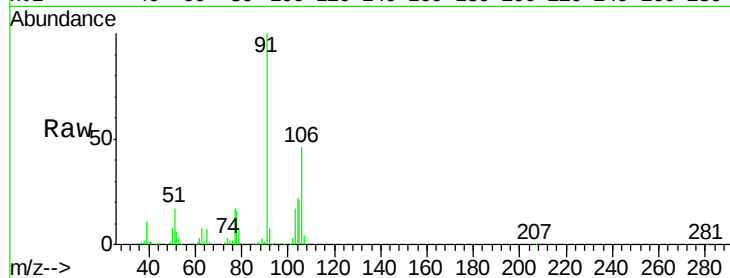
91 217.8 109.5 328.4

Manual Integrations

APPROVED

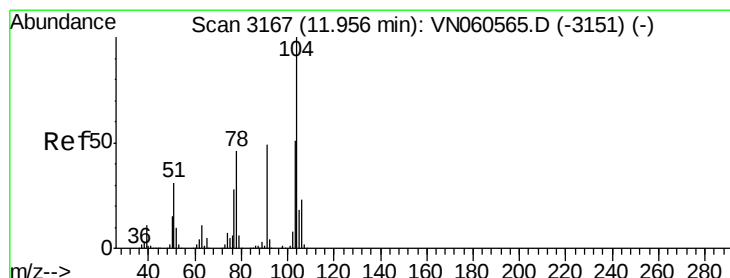
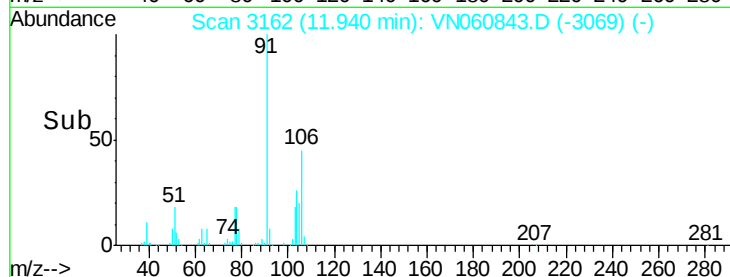
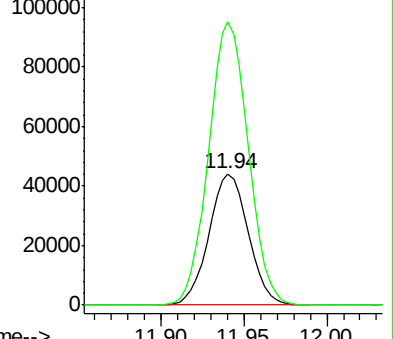
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.746 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

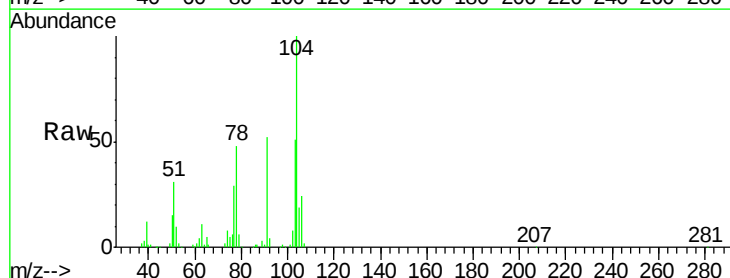
Tgt Ion:104 Resp: 114876

Ion Ratio Lower Upper

104 100

78 51.7 41.2 61.8

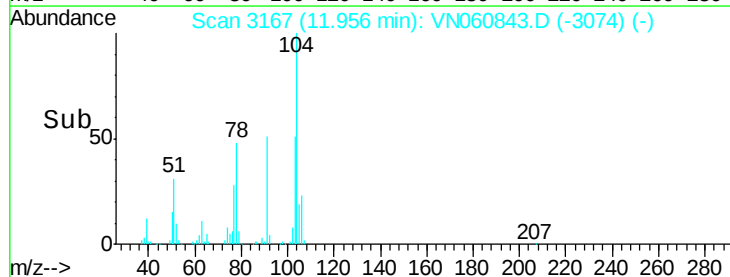
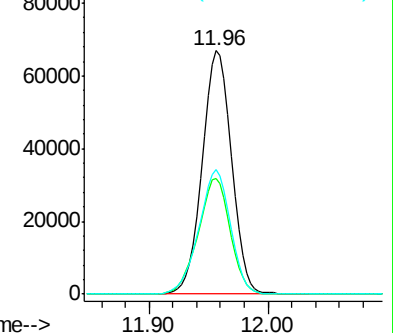
103 54.8 44.0 66.0

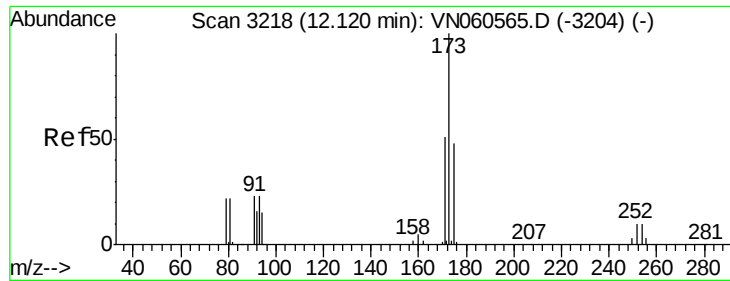


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.303 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion:173 Resp: 29398

Ion Ratio Lower Upper

173 100

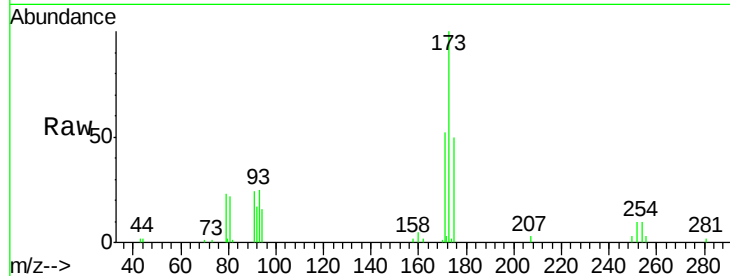
175 49.5 24.1 72.4

254 0.0 0.0 0.0

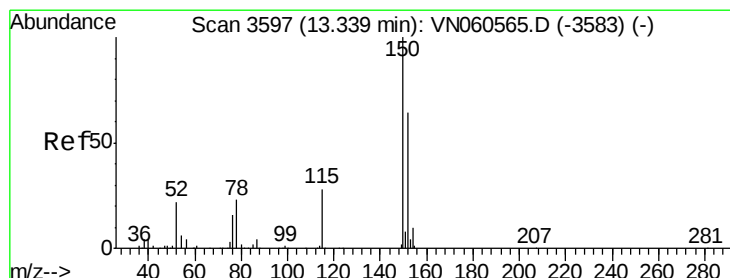
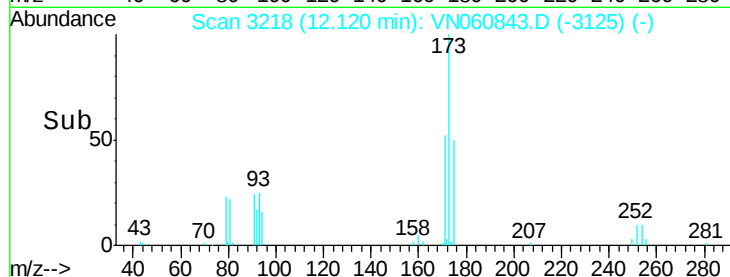
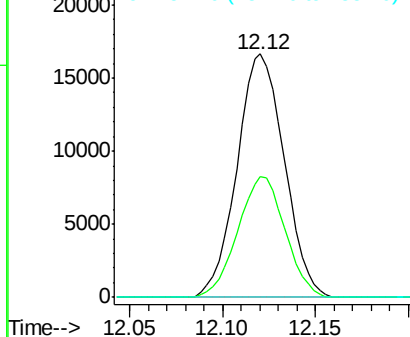
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

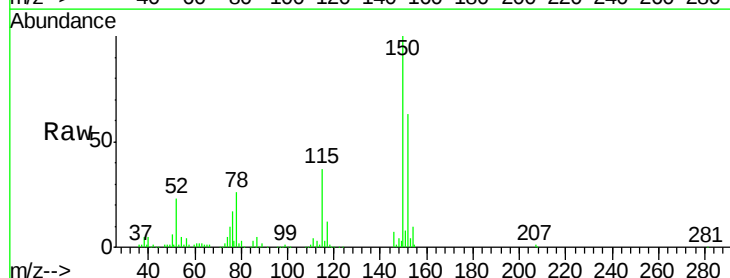
Tgt Ion:152 Resp: 133429

Ion Ratio Lower Upper

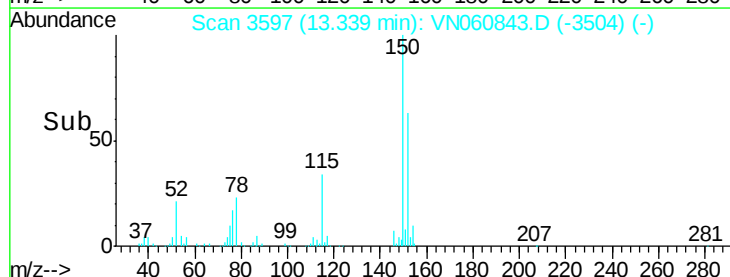
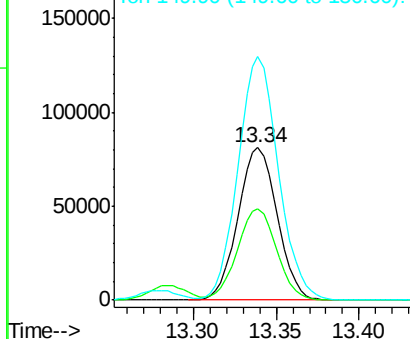
152 100

115 59.8 30.2 90.6

150 164.4 0.0 350.2



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: 19.386 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion: 105 Resp: 194113

Ion Ratio Lower Upper

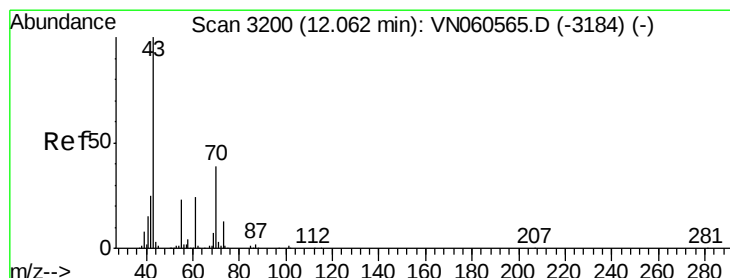
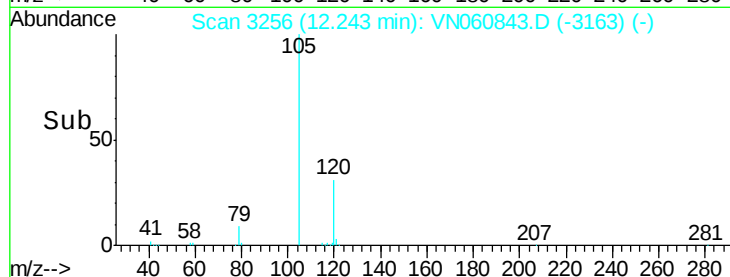
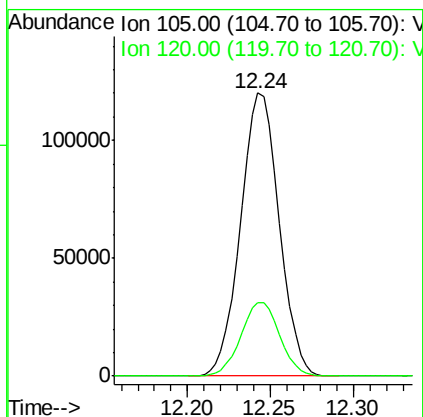
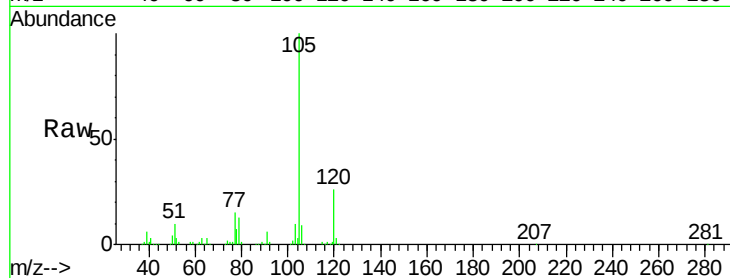
105 100

120 26.1 13.1 39.1

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#74

N-ethyl acetate

Concen: 19.224 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion: 43 Resp: 88948

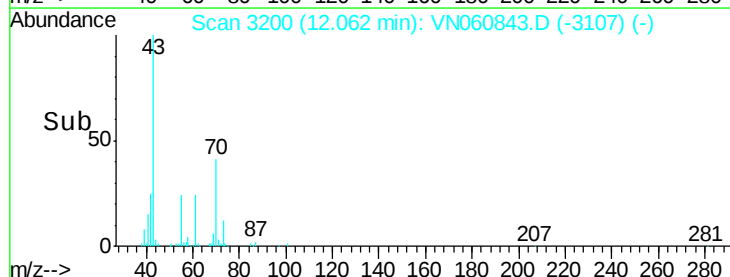
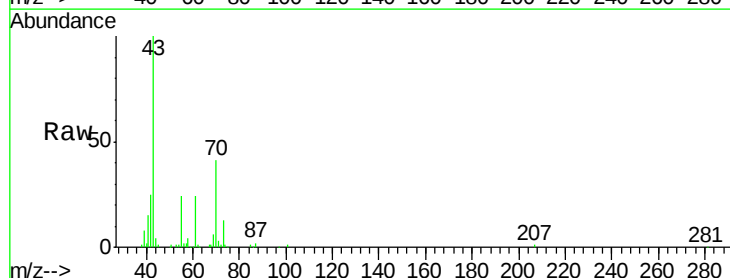
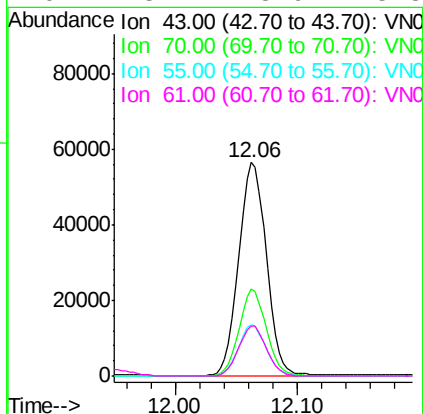
Ion Ratio Lower Upper

43 100

70 39.3 31.1 46.7

55 23.9 18.6 27.8

61 23.2 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.609 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

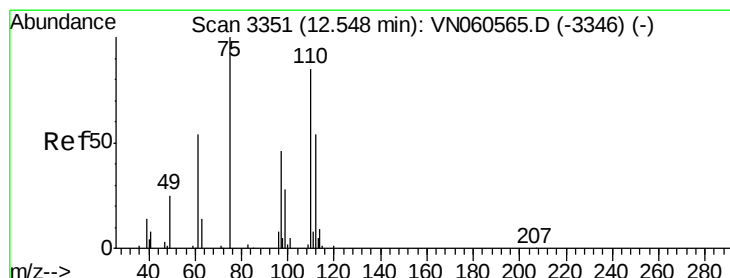
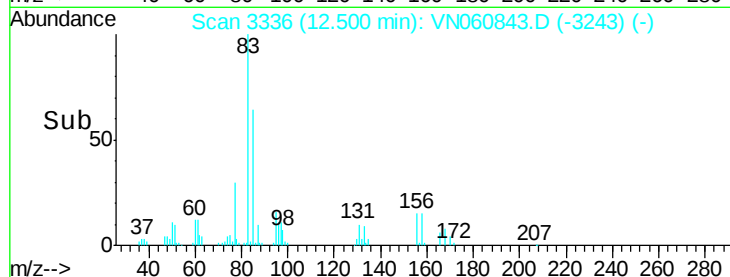
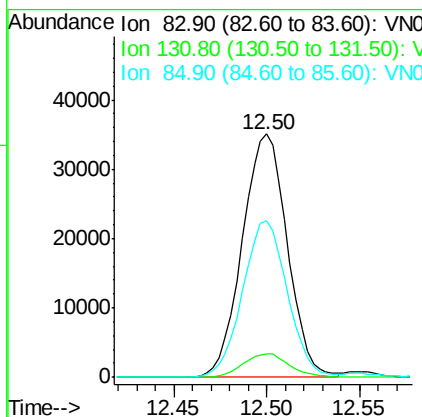
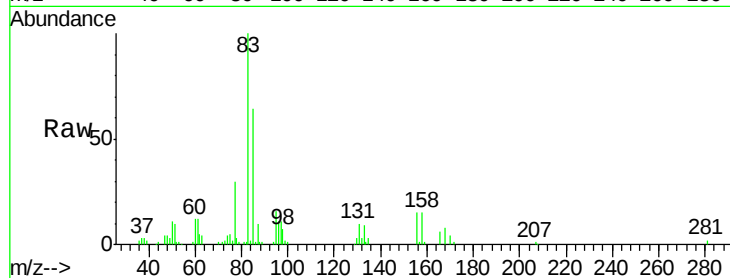
ClientSampleId :

VN0406WBSD01

Tot Ion:	83	Resp:	59377
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.8	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 18.958 ug/l m

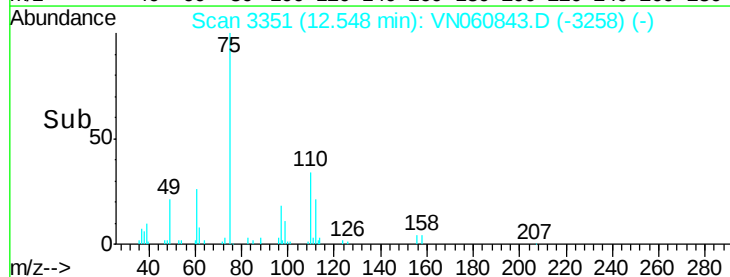
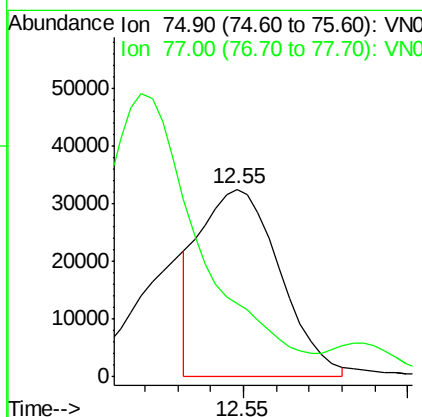
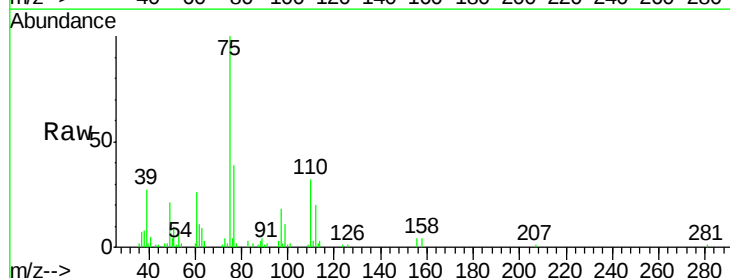
RT: 12.55 min Scan# 3351

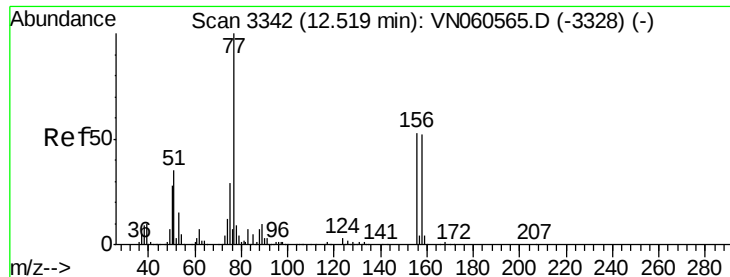
Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion:	75	Resp:	54581
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





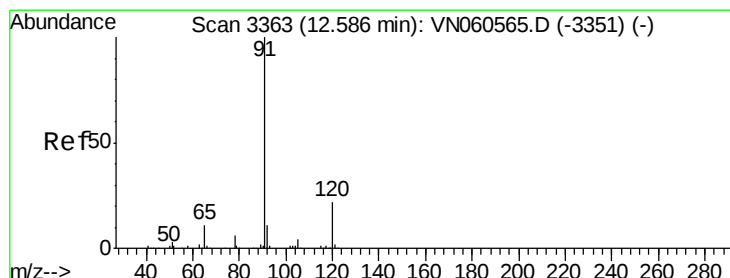
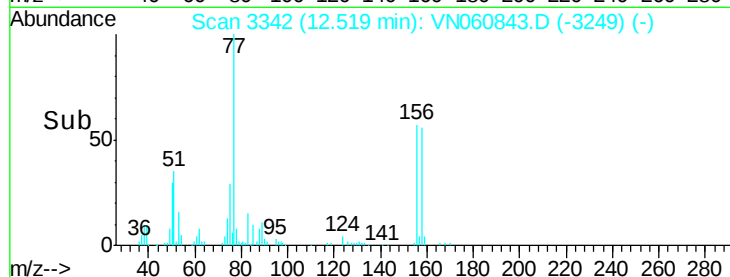
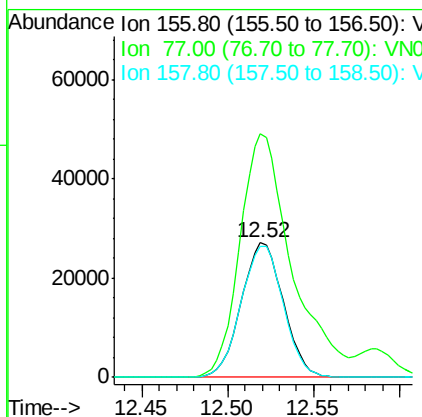
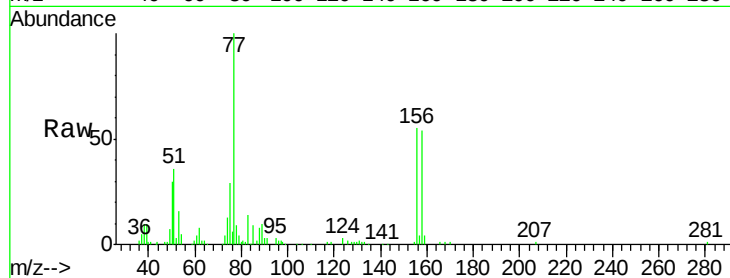
#77
Bromobenzene
Concen: 19.124 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.7	112.3	337.0
158	98.1	48.6	145.8

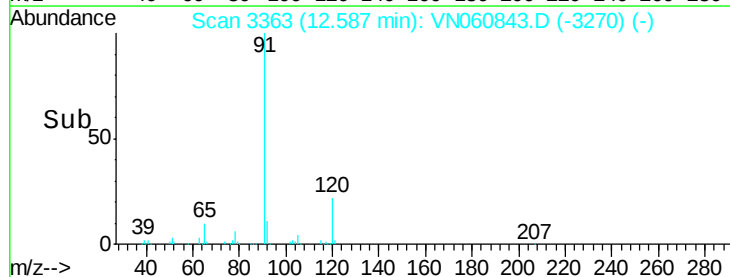
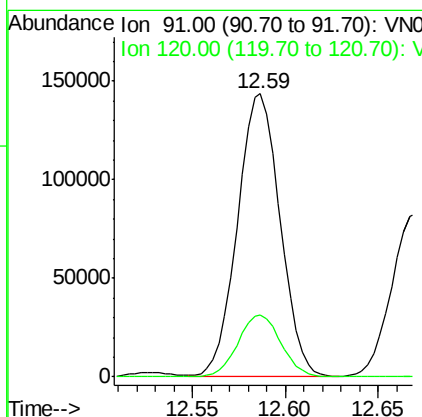
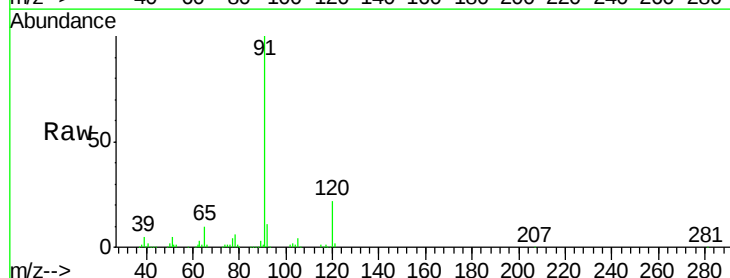
Manual Integrations
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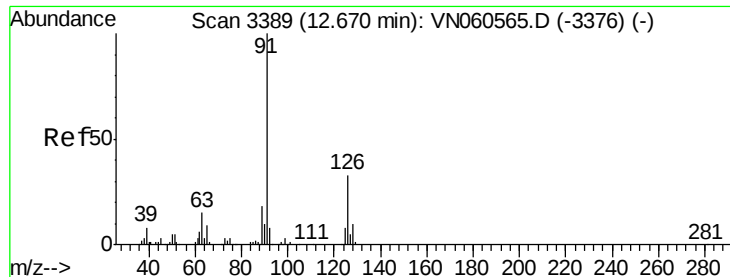
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#78
n-propylbenzene
Concen: 19.271 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.093 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion: 91 Resp: 134956

Ion Ratio Lower Upper

91 100

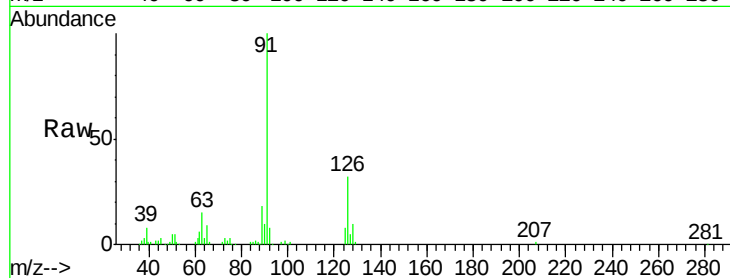
126 32.3 16.4 49.1

Manual Integrations

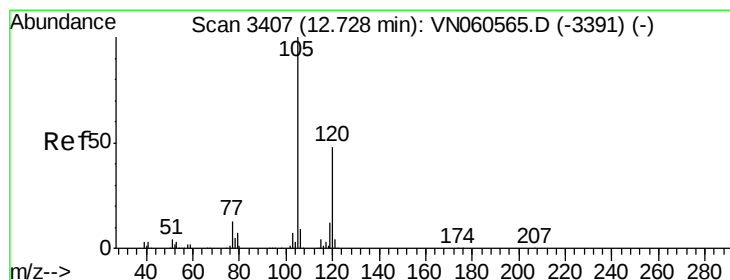
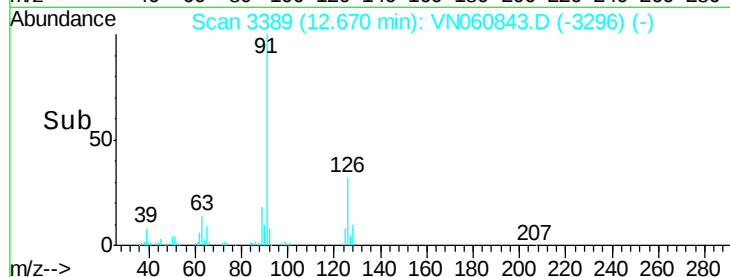
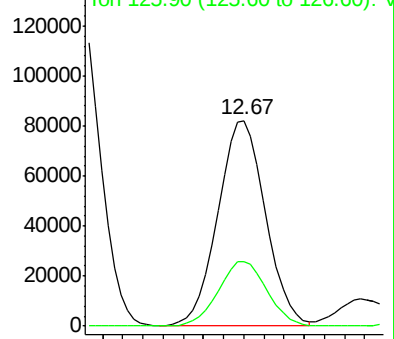
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Abundance Ion 91.00 (90.70 to 91.70): VN060843.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.351 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060843.D

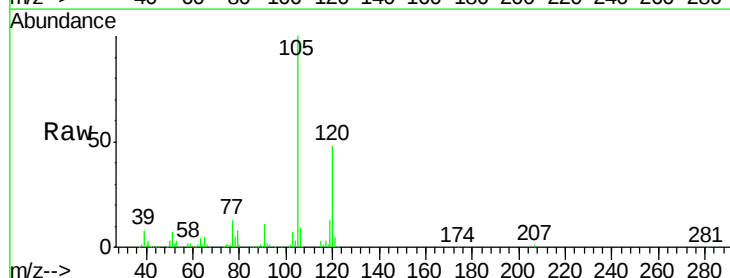
Acq: 6 Apr 2020 12:11

Tgt Ion: 105 Resp: 164437

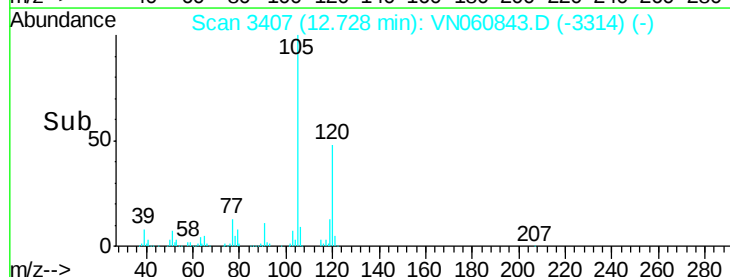
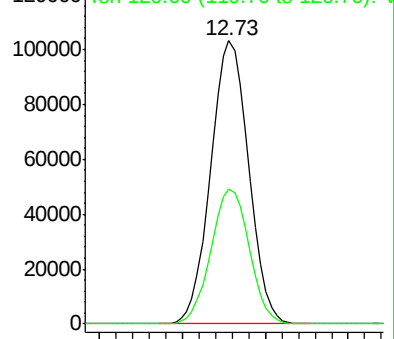
Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060843.D (-3314) (-)





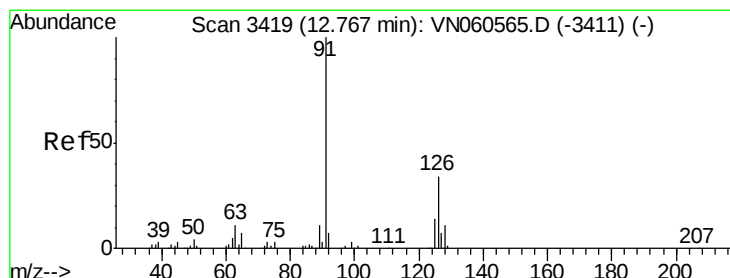
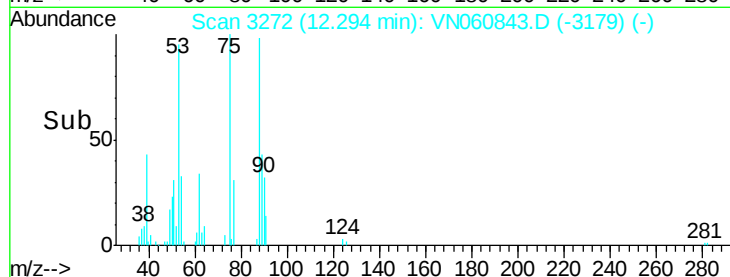
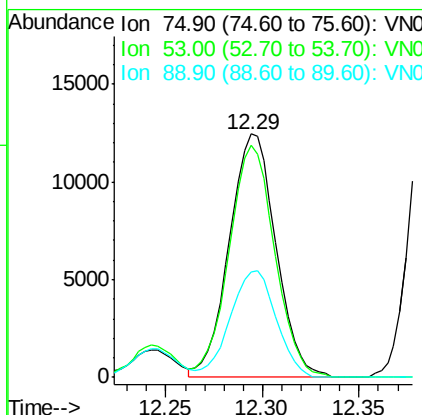
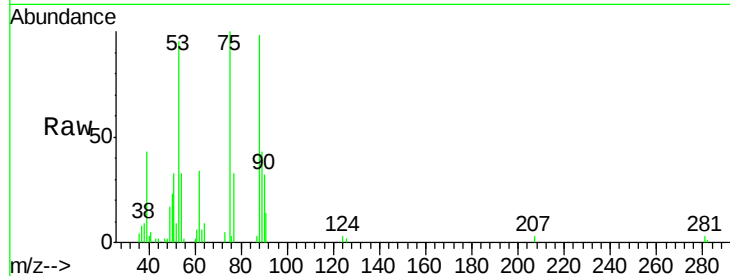
#81
trans-1,4-Dichloro-2-butene
Concen: 18.647 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	73.0	109.4
89	43.1	34.8	52.2

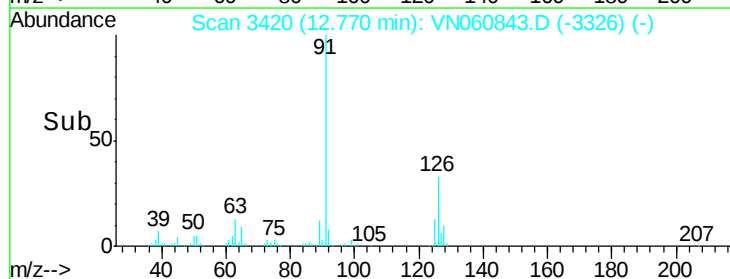
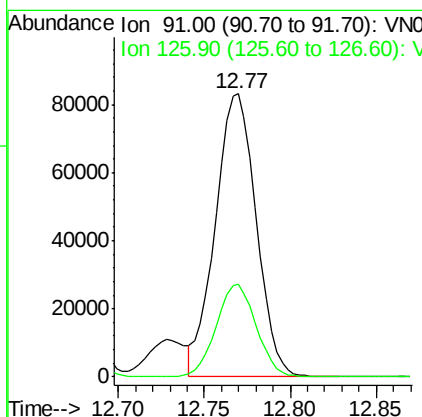
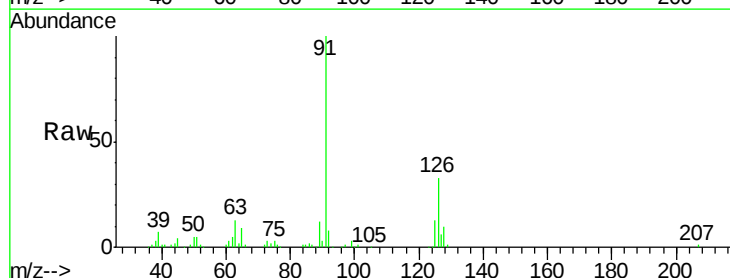
Manual Integrations
APPROVED

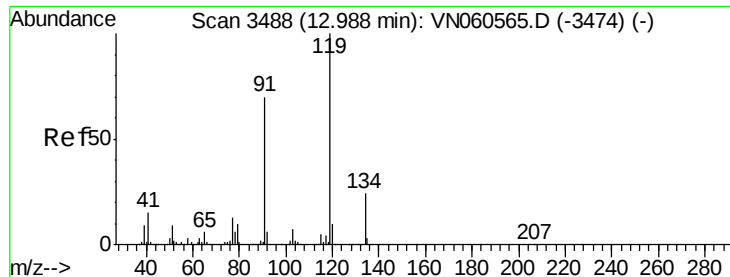
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#82
4-Chlorotoluene
Concen: 19.147 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





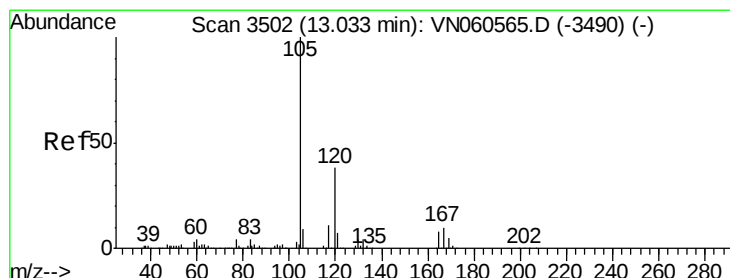
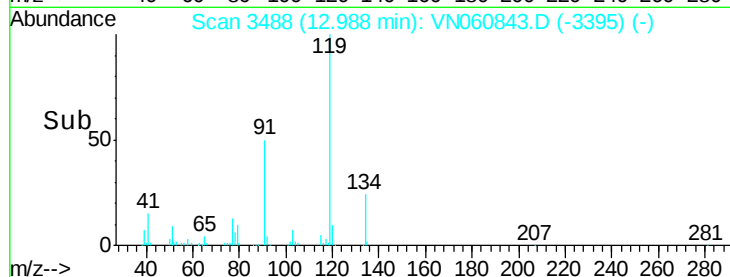
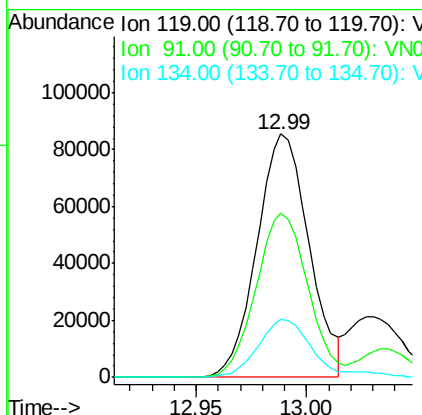
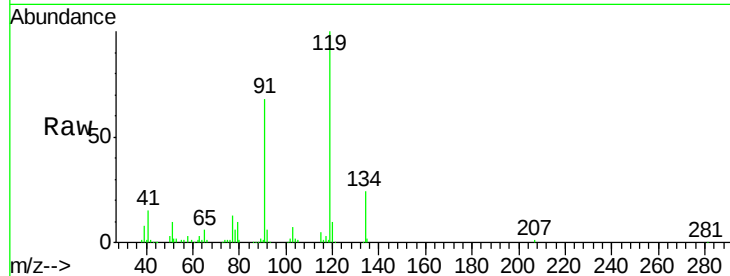
#83
 tert-Butylbenzene
 Concen: 19.823 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.0	101.8
134	25.1	12.7	38.0

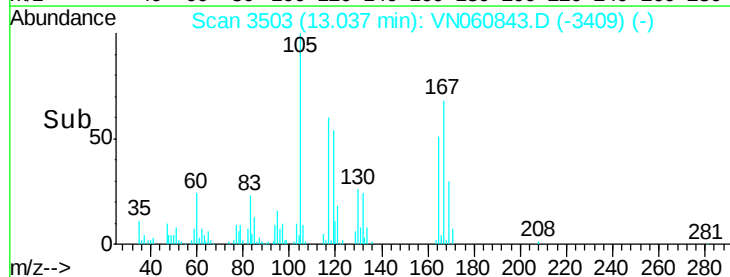
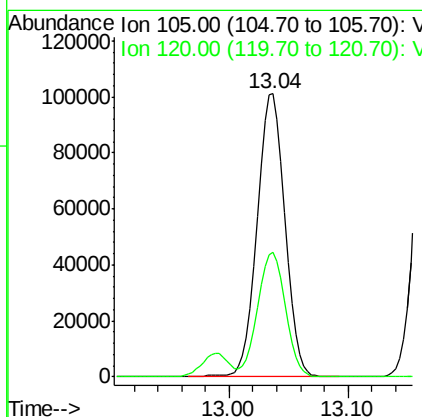
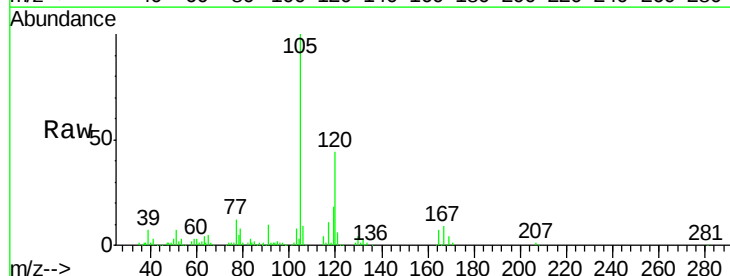
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.502 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.944 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBSD01

Tot Ion:105 Resp: 188919

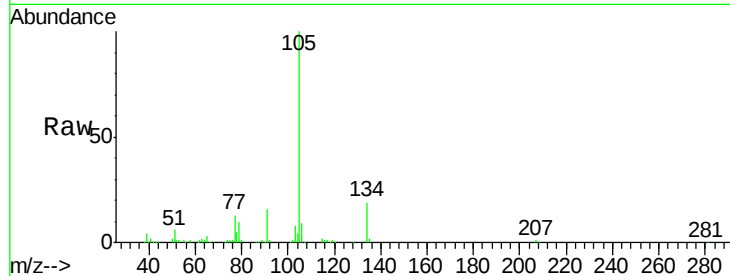
Ion Ratio Lower Upper

105 100

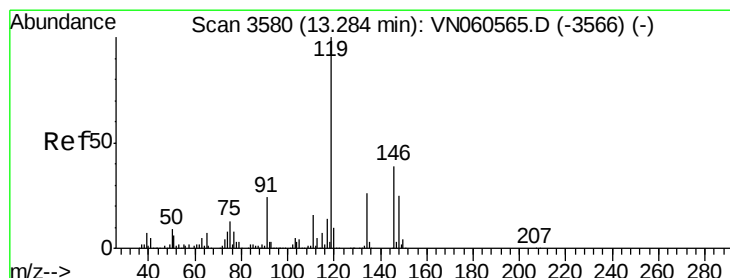
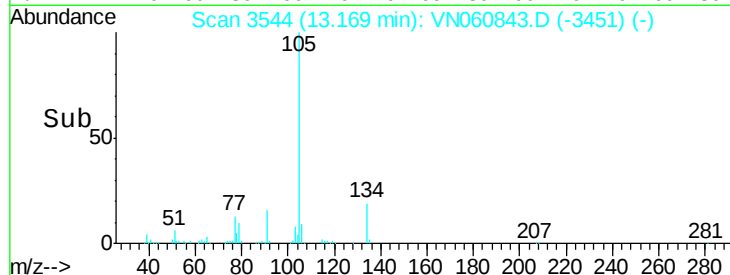
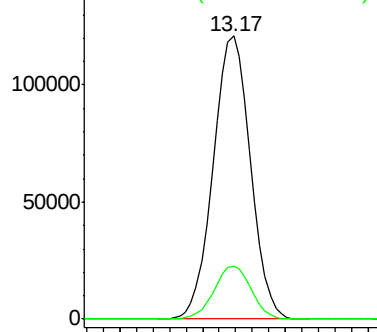
134 18.9 9.6 28.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.831 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

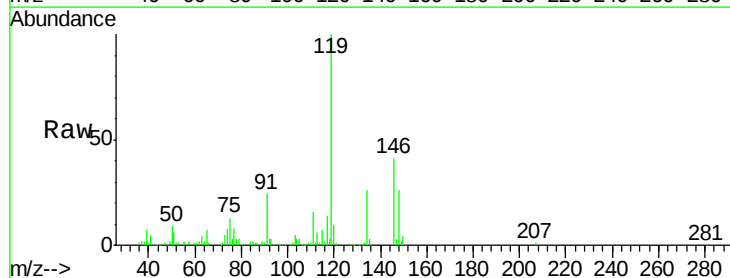
Tgt Ion:119 Resp: 168919

Ion Ratio Lower Upper

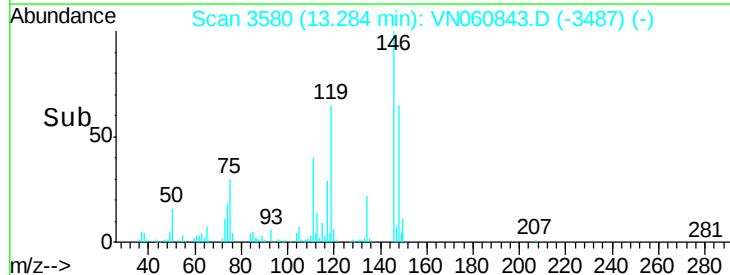
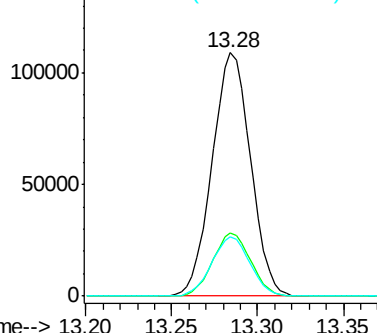
119 100

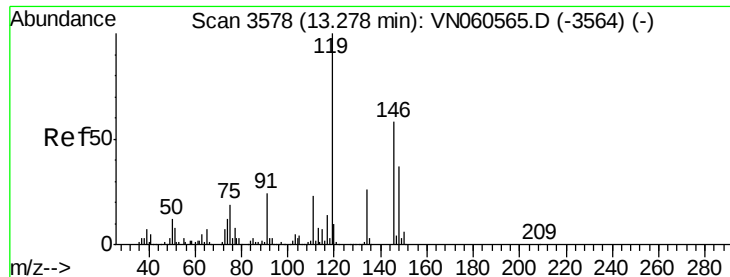
134 25.7 13.0 39.0

91 24.3 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.290 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

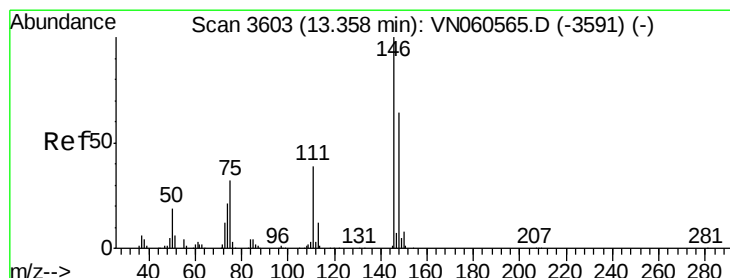
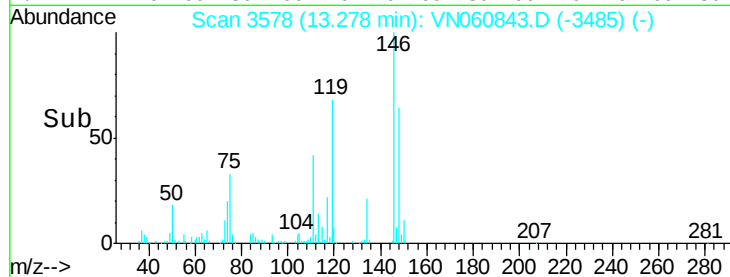
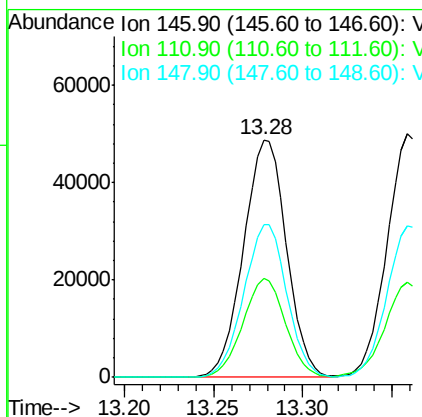
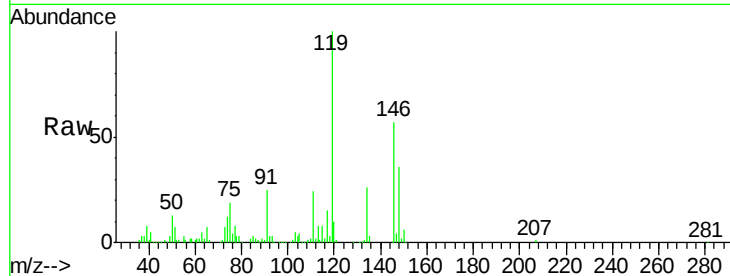
Instrument :
MSVOA_N

ClientSampled :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.8
148	64.3	32.5	97.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.181 ug/l

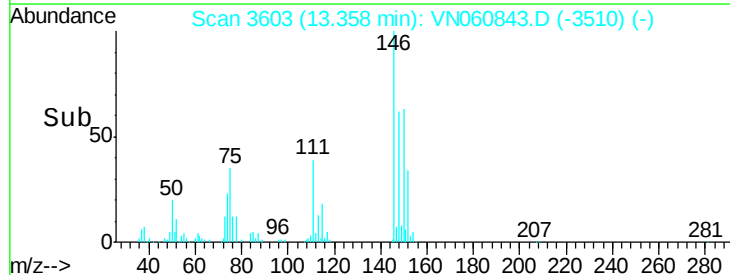
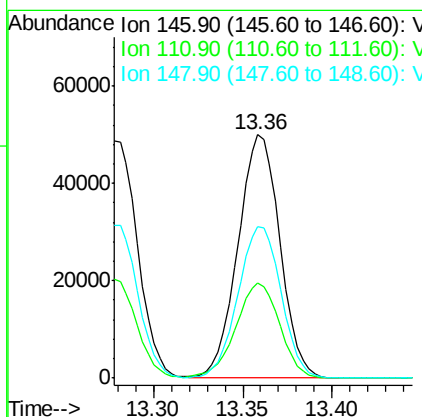
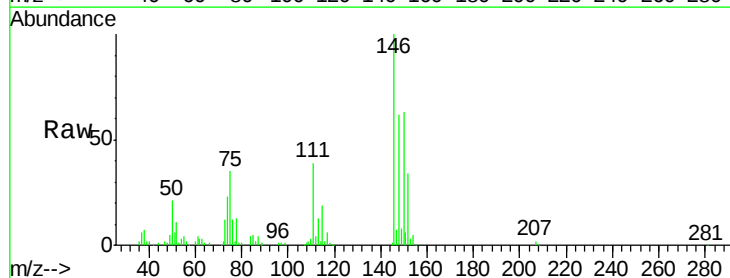
RT: 13.36 min Scan# 3603

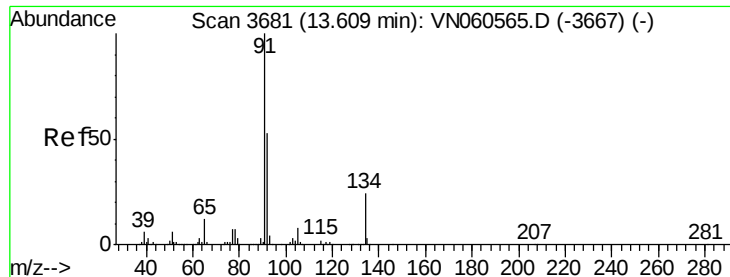
Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.7
148	64.0	32.1	96.3





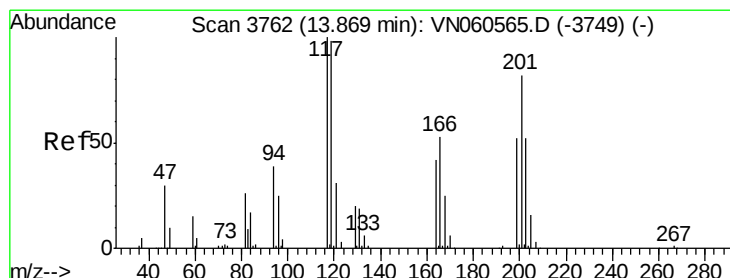
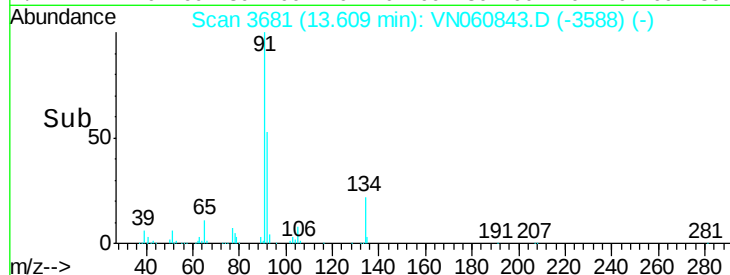
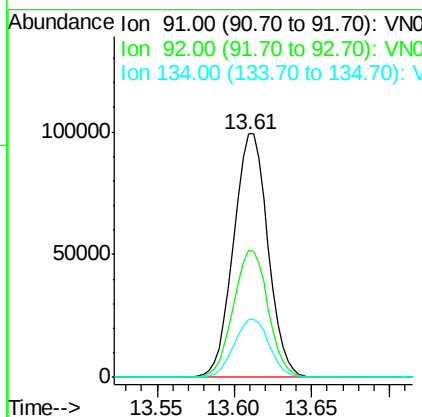
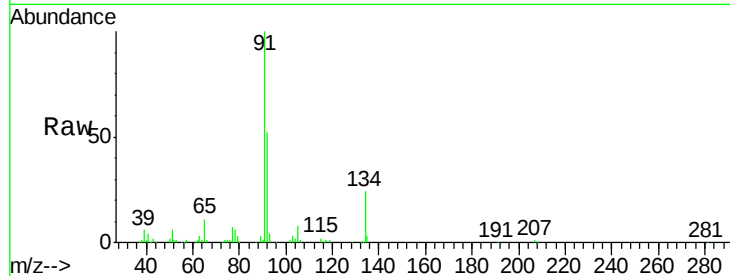
#89
n-Butylbenzene
Concen: 19.898 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampled :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	24.7	12.3	36.9

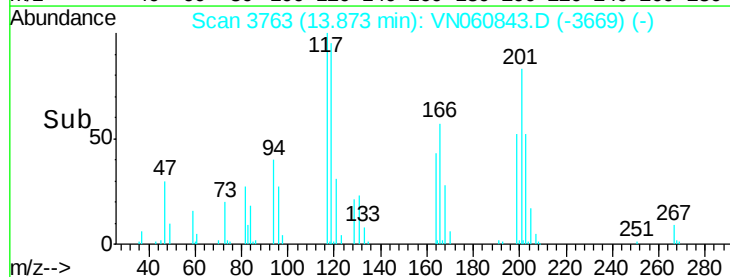
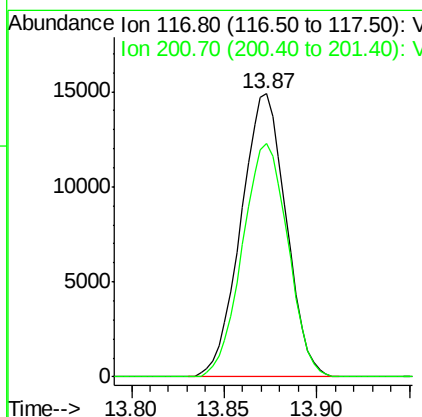
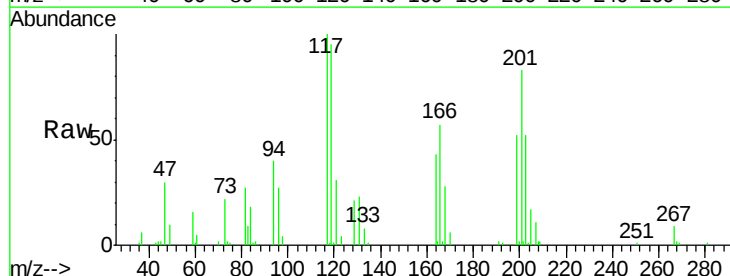
Manual Integrations
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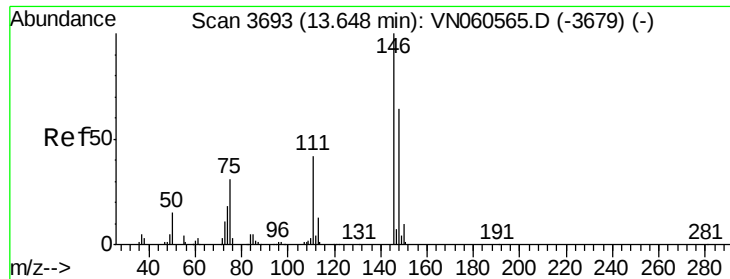
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#90
Hexachloroethane
Concen: 20.309 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 19.909 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Instrument :

MSVOA_N

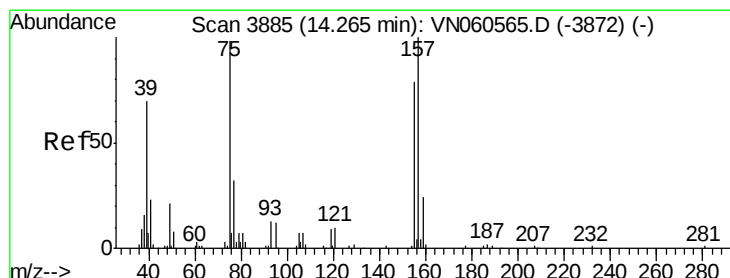
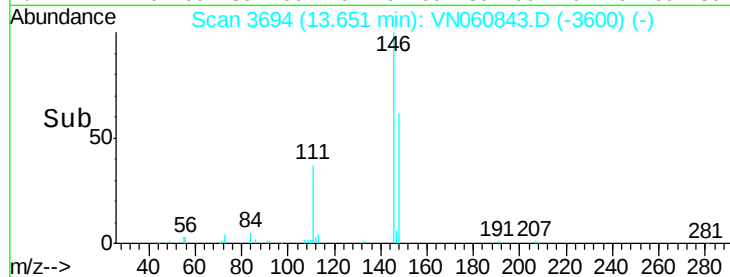
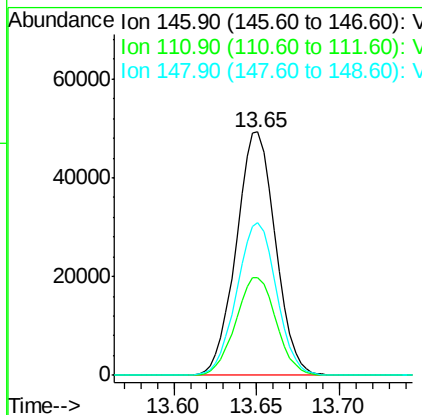
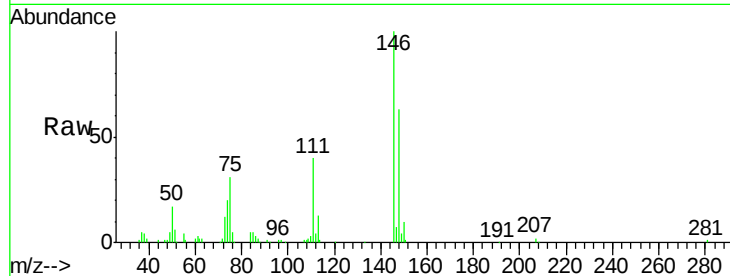
ClientSampleId :

VN0406WBSD01

Tot Ion:	146	Resp:	81014
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.0	63.0
148	63.5	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.331 ug/l

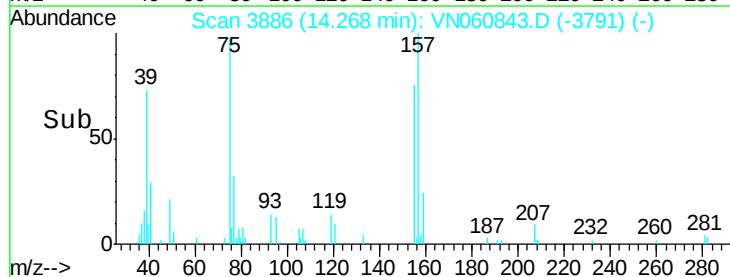
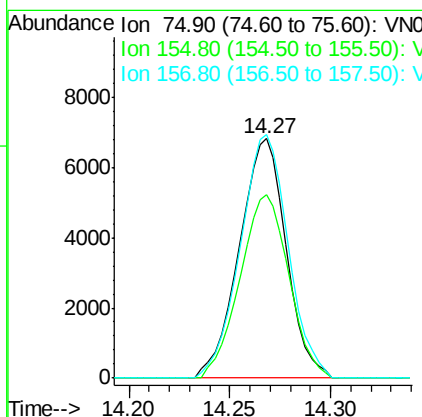
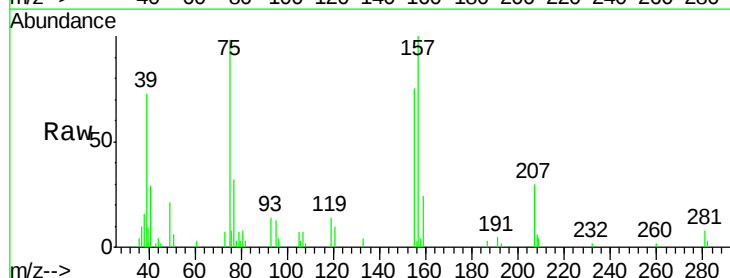
RT: 14.27 min Scan# 3886

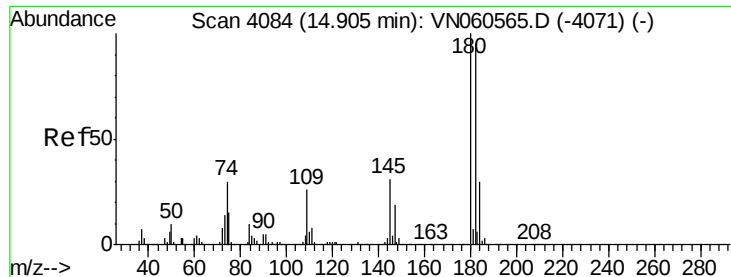
Delta R.T. 0.00 min

Lab File: VN060843.D

Acq: 6 Apr 2020 12:11

Tgt Ion:	75	Resp:	11103
Ion Ratio	Lower	Upper	
75	100		
155	79.5	40.7	122.1
157	104.0	51.5	154.7





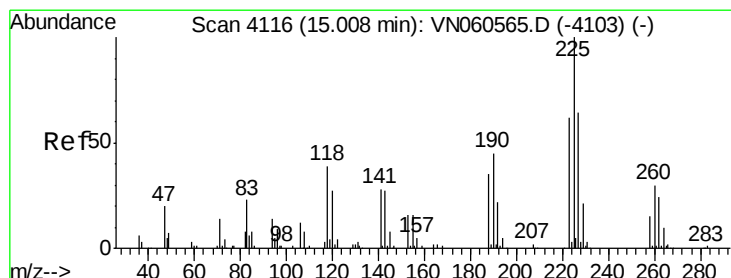
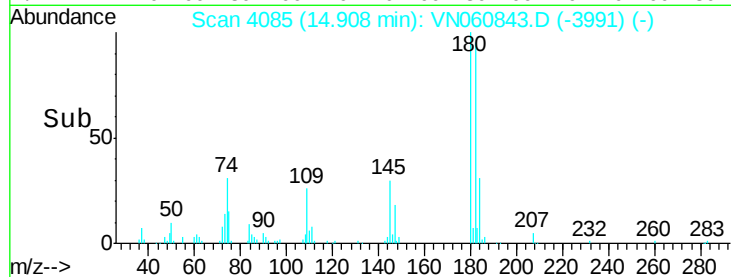
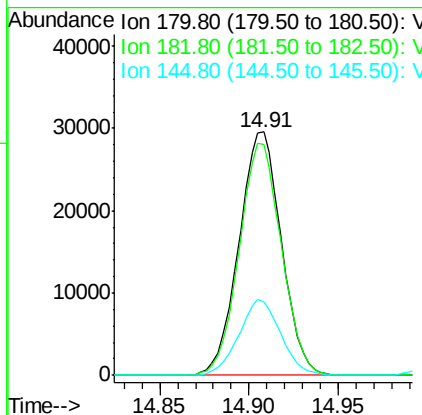
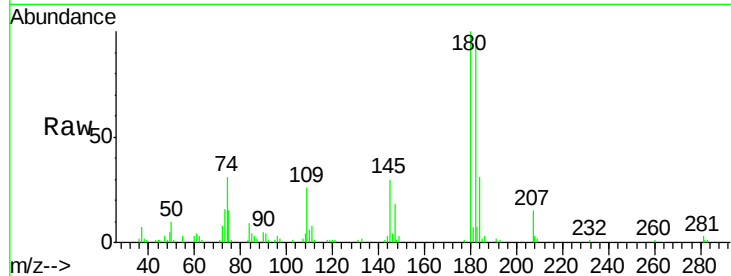
#93
 1,2,4-Trichlorobenzene
 Concen: 19.633 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	30.7	15.4	46.2

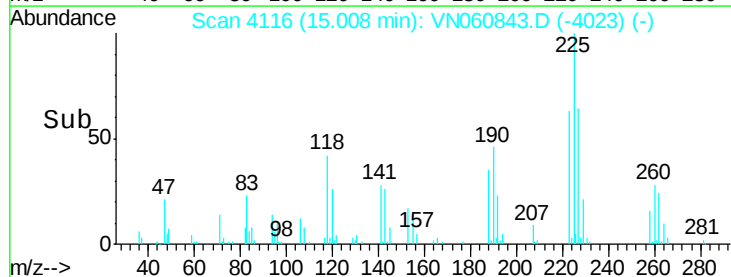
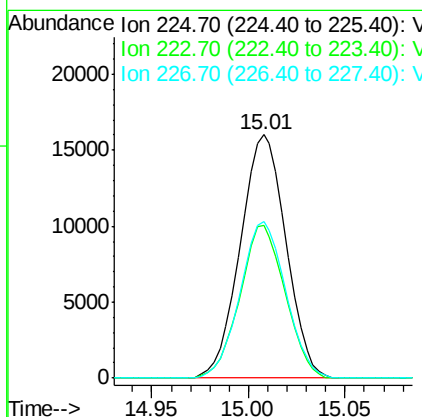
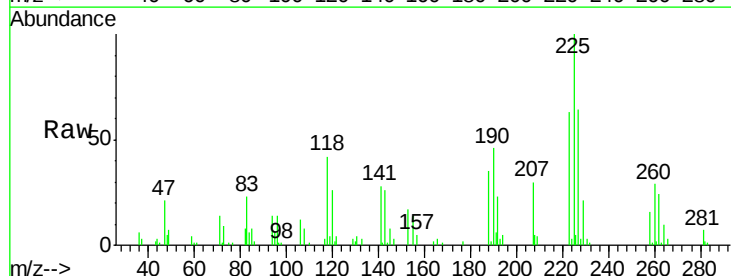
Manual Integrations
 APPROVED

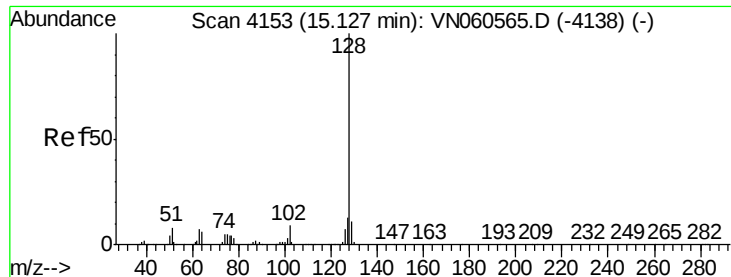
MMDadoda
 4/7/2020 3:21:46 PM



#94
 Hexachlorobutadiene
 Concen: 21.442 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060843.D
 Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	64.3	32.3	96.8





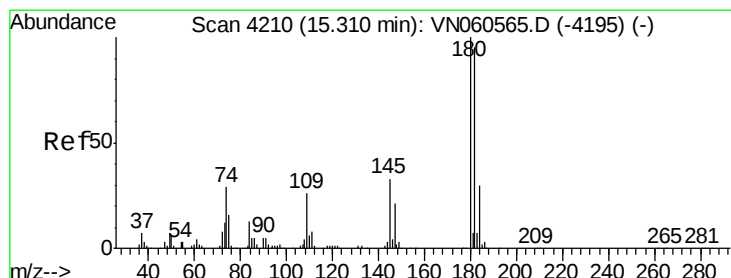
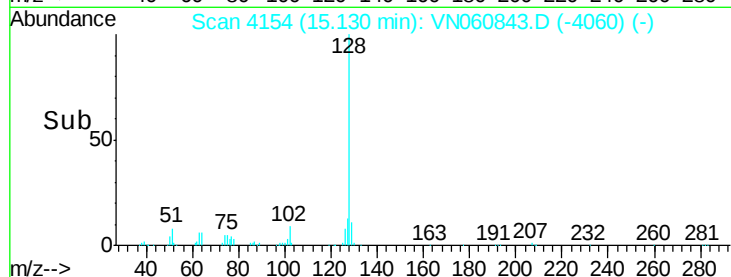
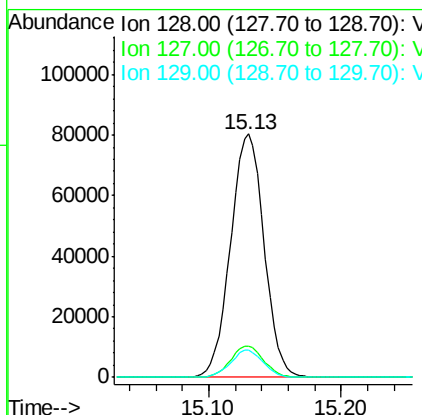
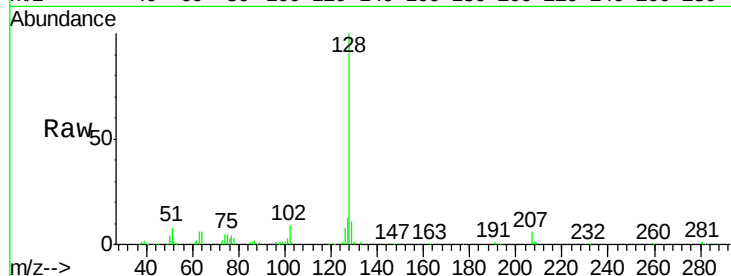
#95
Naphthalene
Concen: 18.730 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/7/2020 3:21:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.412 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060843.D
Acq: 6 Apr 2020 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	32.9	16.3	48.8

