

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060806.D
 Acq On : 1 Apr 2020 13:11
 Operator : JC/MD
 Sample : VN0401WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:48 AM

Quant Time: Apr 02 09:12:21 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	201512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	333021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	135807	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.56	113	103224	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.08	98	404719	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	147636	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	33427	17.144	ug/l	99
3) Chloromethane	2.04	50	57080	15.674	ug/l	97
4) Vinyl Chloride	2.17	62	45076	15.826	ug/l	97
5) Bromomethane	2.55	94	23258	18.916	ug/l	97
6) Chloroethane	2.69	64	29116	17.745	ug/l	98
7) Trichlorofluoromethane	3.00	101	62746	17.883	ug/l	98
8) Diethyl Ether	3.38	74	25464	18.066	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	37635	18.511	ug/l	99
10) Methyl Iodide	3.93	142	32855	18.161	ug/l	99
11) Tert butyl alcohol	4.72	59	38625	94.940	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	37774	17.314	ug/l	96
13) Acrolein	3.57	56	35660	79.087	ug/l	99
14) Allyl chloride	4.29	41	69985	18.238	ug/l	97
15) Acrylonitrile	4.94	53	108472	90.670	ug/l	99
16) Acetone	3.78	43	100618	102.684	ug/l	99
17) Carbon Disulfide	4.03	76	107938	16.267	ug/l	100
18) Methyl Acetate	4.28	43	53005	19.218	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	135489	18.063	ug/l	99
20) Methylene Chloride	4.52	84	43049	17.859	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	40782	17.539	ug/l	97
22) Diisopropyl ether	5.91	45	152916	18.863	ug/l	98
23) Vinyl Acetate	5.85	43	617336	93.330	ug/l	99
24) 1,1-Dichloroethane	5.81	63	81882	18.528	ug/l	99
25) 2-Butanone	6.79	43	148010	93.345	ug/l	99
26) 2,2-Dichloropropane	6.79	77	70078	20.154	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47624	18.023	ug/l	99
28) Bromochloromethane	7.17	49	41202	19.486	ug/l	99
29) Tetrahydrofuran	7.18	42	99056	88.294	ug/l	100
30) Chloroform	7.34	83	76728	18.110	ug/l	98
31) Cyclohexane	7.63	56	79250	17.787	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	65551	17.947	ug/l	97
36) 1,1-Dichloropropene	7.77	75	59143	18.341	ug/l	100
37) Ethyl Acetate	6.89	43	64050	18.382	ug/l	100
38) Carbon Tetrachloride	7.75	117	52471	18.155	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71638	18.694	ug/l	98
40) Benzene	8.02	78	178711	18.359	ug/l	99
41) Methacrylonitrile	7.14	41	26326m	17.704	ug/l	
42) 1,2-Dichloroethane	8.10	62	62903	18.908	ug/l	99
43) Isopropyl Acetate	8.14	43	104700	18.220	ug/l	99
44) Trichloroethene	8.81	130	44912	18.302	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49138	19.130	ug/l	99
46) Dibromomethane	9.19	93	29224	18.819	ug/l	99
47) Bromodichloromethane	9.38	83	59738	18.512	ug/l	98
48) Methyl methacrylate	9.18	41	45479	17.776	ug/l	99
49) 1,4-Dioxane	9.18	88	13981	459.751	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	302154	92.404	ug/l	99
52) Toluene	10.14	92	106858	18.176	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	69561	18.766	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76047	18.701	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	41536	18.365	ug/l	96
56) Ethyl methacrylate	10.42	69	64181	18.199	ug/l	100
57) 1,3-Dichloropropane	10.70	76	72937	18.584	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	149403	85.240	ug/l	99
59) 2-Hexanone	10.74	43	217560	92.363	ug/l	100
60) Dibromochloromethane	10.89	129	43134	18.463	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41246	18.136	ug/l	99
64) Tetrachloroethene	10.62	164	42399	17.927	ug/l	98
65) Chlorobenzene	11.43	112	108836	18.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	40476	18.763	ug/l	99
67) Ethyl Benzene	11.50	91	206199	18.610	ug/l	100
68) m/p-Xylenes	11.62	106	150627	36.583	ug/l	99
69) o-Xylene	11.94	106	72389	18.417	ug/l	99
70) Styrene	11.96	104	115005	17.890	ug/l	100
71) Bromoform	12.12	173	29799	17.742	ug/l	# 100
73) Isopropylbenzene	12.24	105	195869	18.642	ug/l	100
74) N-amyl acetate	12.06	43	85408	17.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59101	18.600	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	54298m	17.973	ug/l	
77) Bromobenzene	12.52	156	45748	18.069	ug/l	100
78) n-propylbenzene	12.59	91	229399	18.480	ug/l	100
79) 2-Chlorotoluene	12.67	91	134961	18.196	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	164051	18.399	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21030	17.878	ug/l	100
82) 4-Chlorotoluene	12.77	91	138253	18.302	ug/l	100
83) tert-Butylbenzene	12.99	119	138939	18.797	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	163083	18.488	ug/l	99
85) sec-Butylbenzene	13.17	105	189024	19.018	ug/l	100
86) p-Isopropyltoluene	13.28	119	167128	18.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81133	18.169	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	80764	18.002	ug/l	99
89) n-Butylbenzene	13.61	91	150205	18.614	ug/l	100
90) Hexachloroethane	13.87	117	26099	20.089	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79956	18.726	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11510	17.119	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46579	17.764	ug/l	99
94) Hexachlorobutadiene	15.01	225	25563	19.888	ug/l	100
95) Naphthalene	15.13	128	131530	16.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45097	17.462	ug/l	99

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

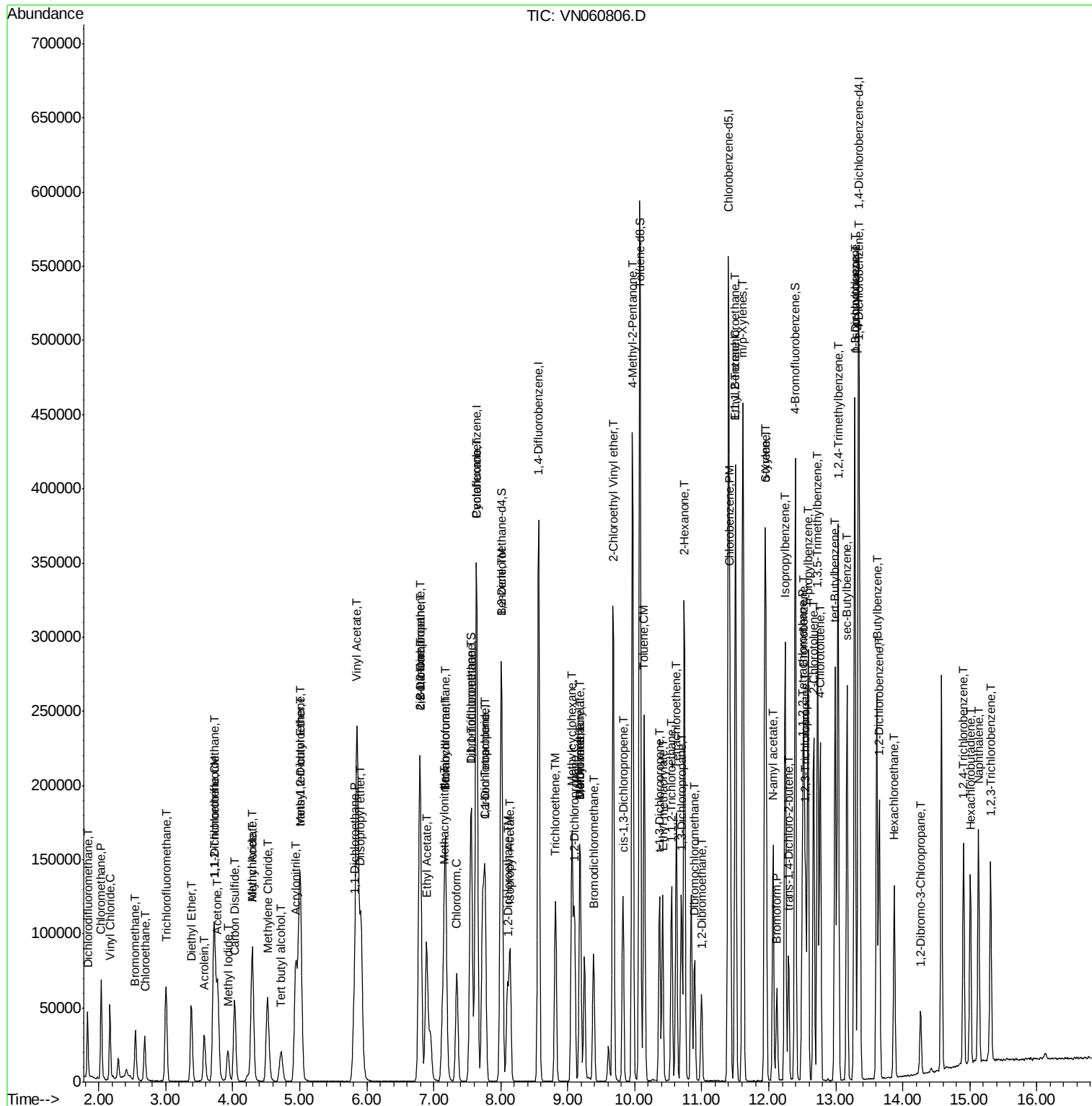
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040120\
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Operator : JC/MD
Sample : VN0401WBS01
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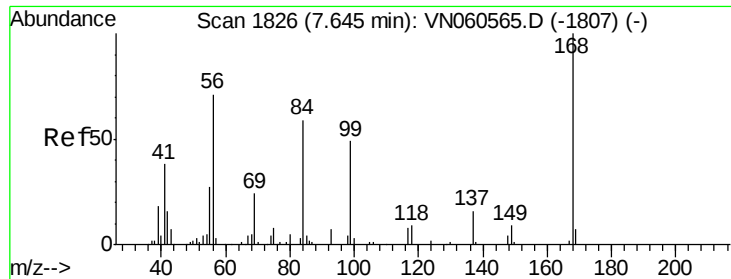
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tot Ion:168 Resp: 201512

Ion Ratio Lower Upper

168 100

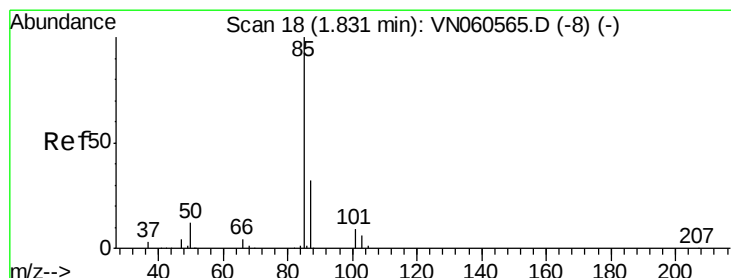
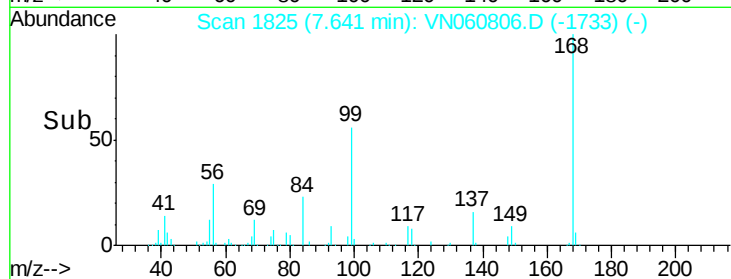
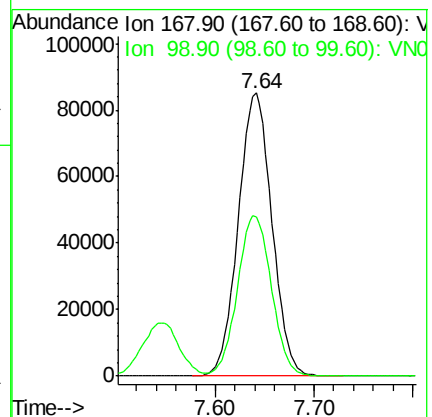
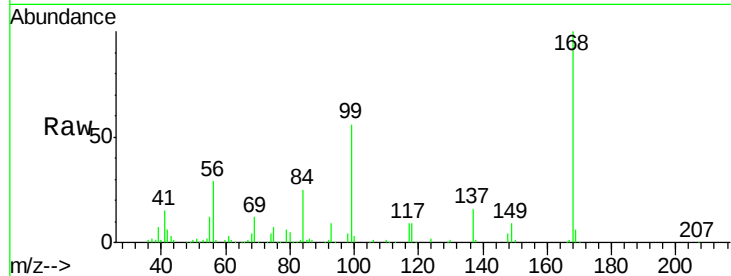
99 56.2 44.0 66.0

Manual Integrations

APPROVED

MMDadoda

4/2/2020 10:13:48 AM



#2

Dichlorodifluoromethane

Concen: 17.144 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060806.D

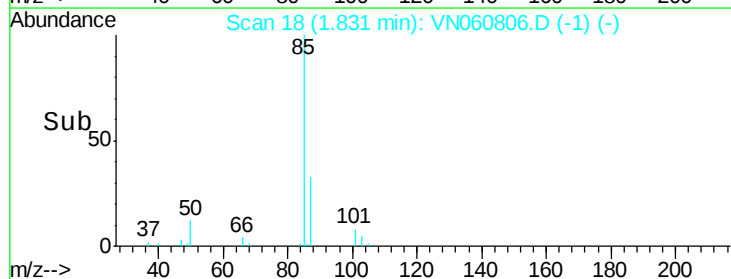
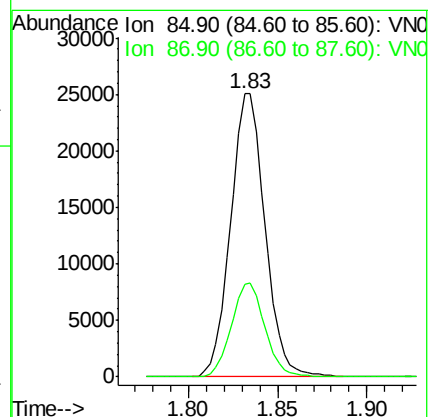
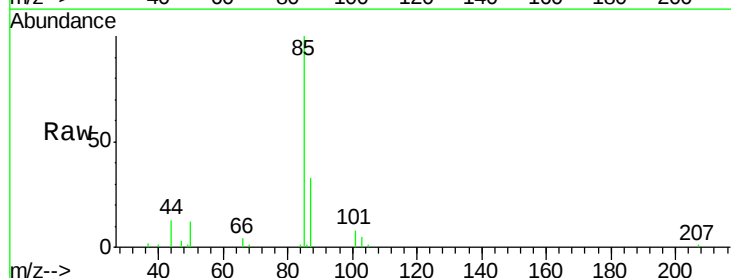
Acq: 1 Apr 2020 13:11

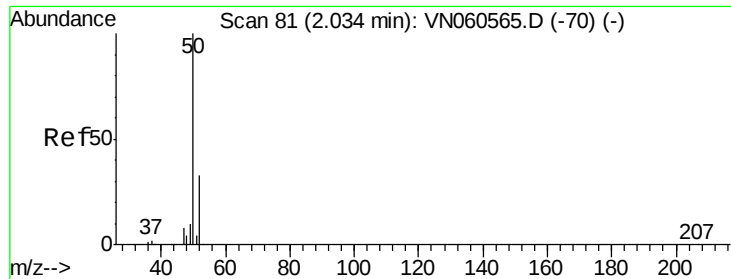
Tgt Ion: 85 Resp: 33427

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5





#3

Chloromethane

Concen: 15.674 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tot Ion: 50 Resp: 57080

Ion Ratio Lower Upper

50 100

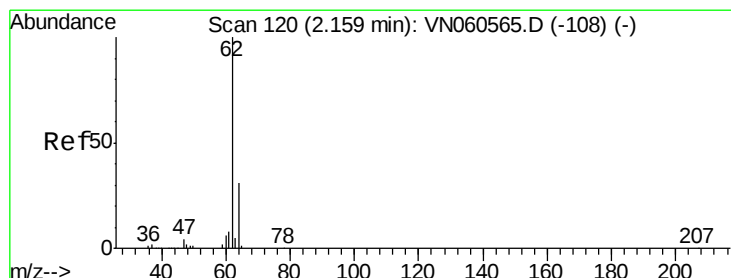
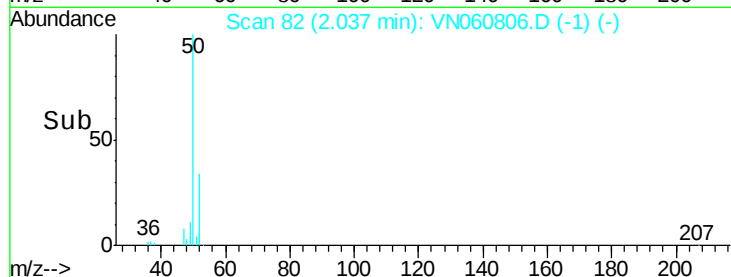
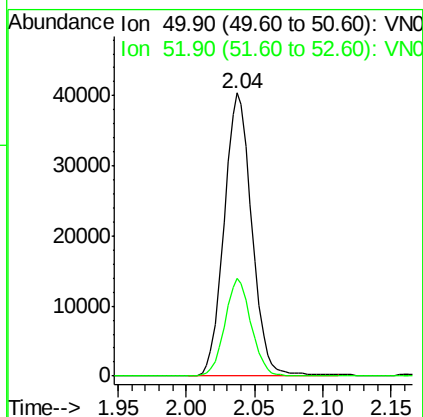
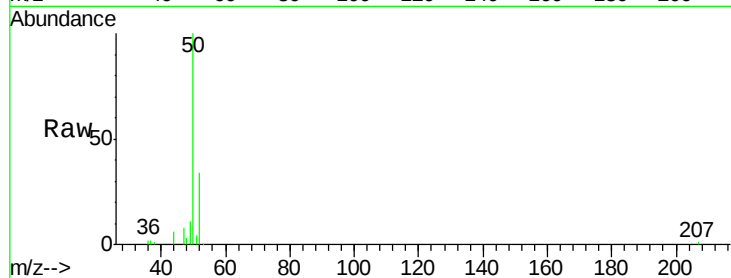
52 34.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.826 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060806.D

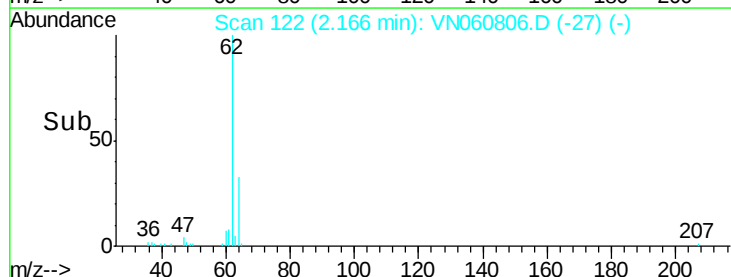
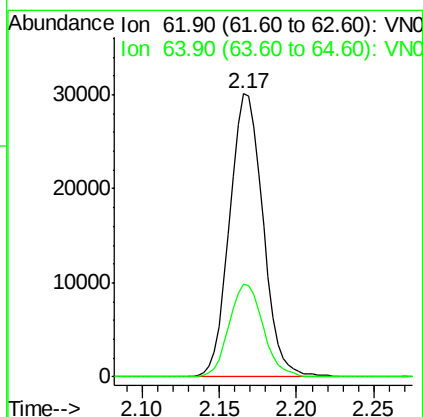
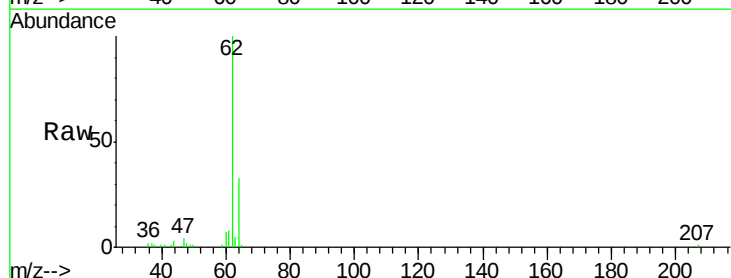
Acq: 1 Apr 2020 13:11

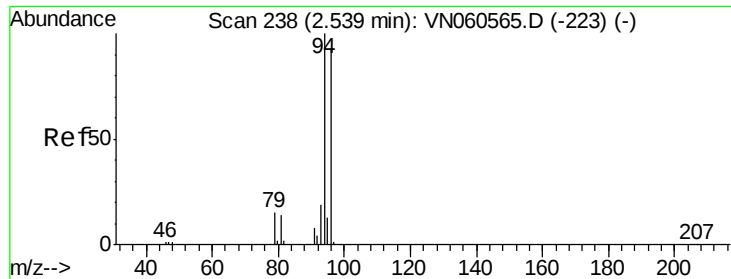
Tgt Ion: 62 Resp: 45076

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1





#5

Bromomethane

Concen: 18.916 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion: 94 Resp: 23258

Ion Ratio Lower Upper

94 100

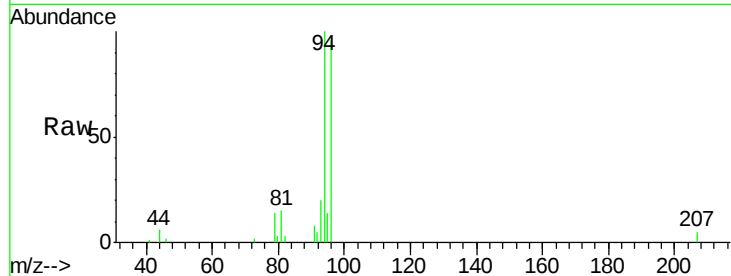
96 95.7 74.6 112.0

Manual Integrations

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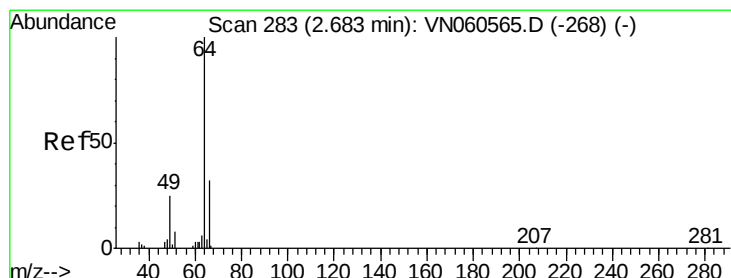
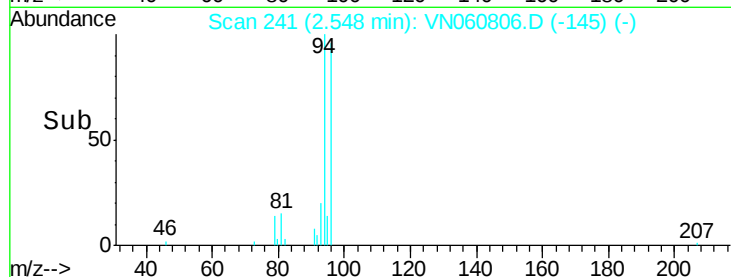
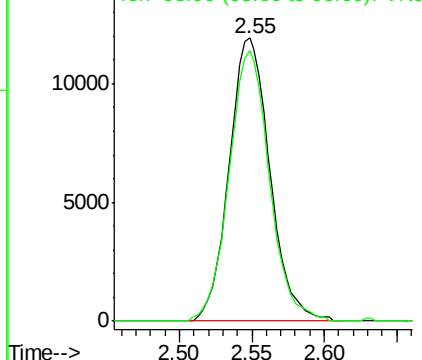
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.745 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060806.D

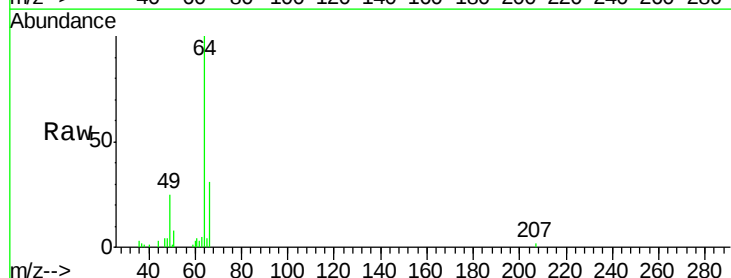
Acq: 1 Apr 2020 13:11

Tgt Ion: 64 Resp: 29116

Ion Ratio Lower Upper

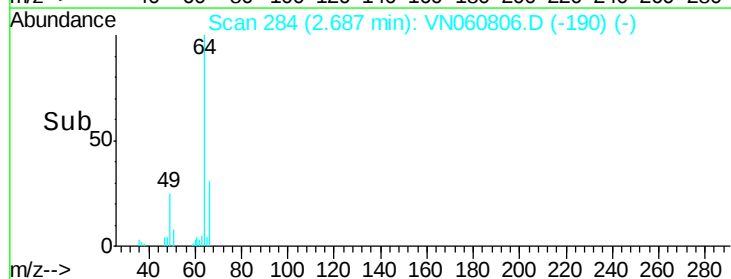
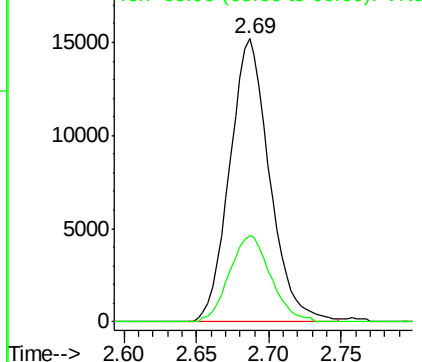
64 100

66 30.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

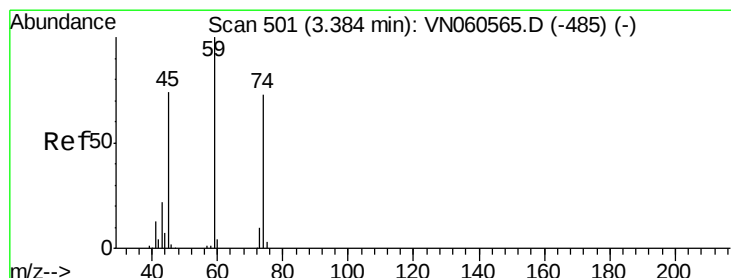
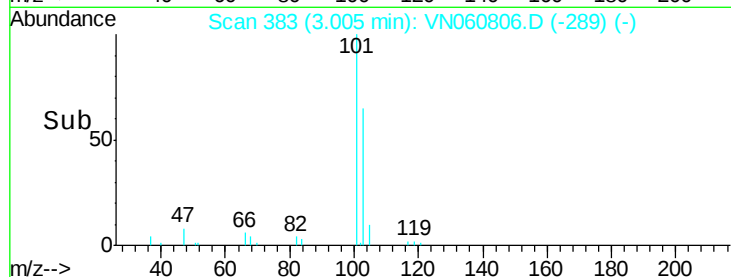
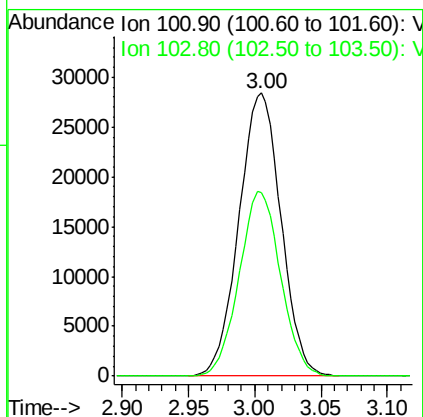
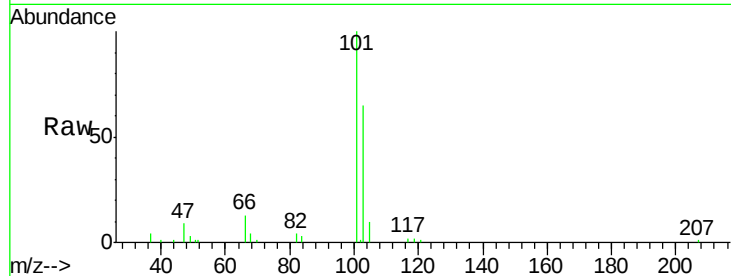
Trichlorofluoromethane
Concen: 17.883 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
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ClientSampled :
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Tot Ion:101 Resp: 62746
Ion Ratio Lower Upper
101 100
103 65.0 50.6 76.0

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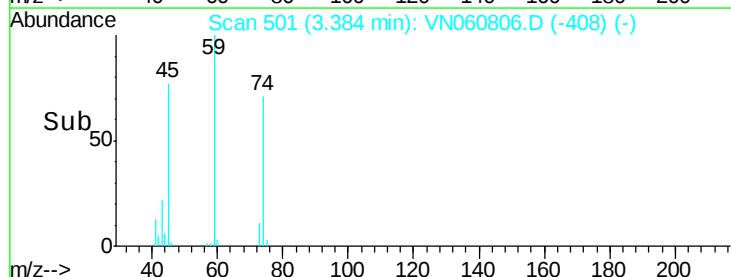
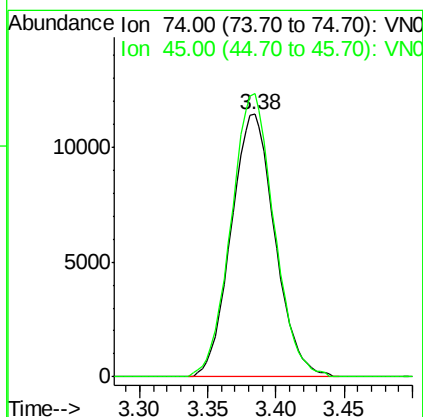
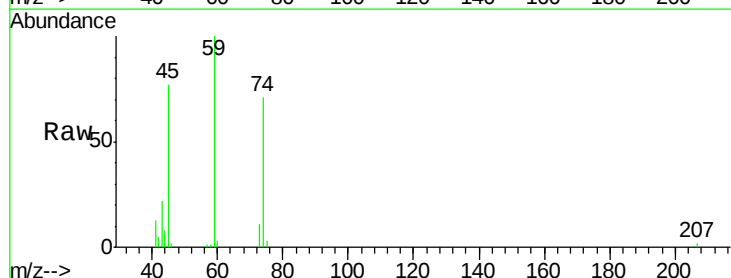
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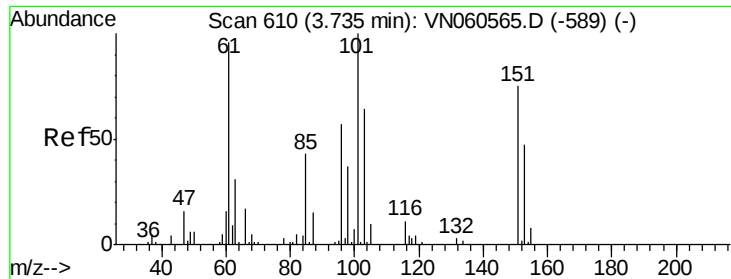


#8

Diethyl Ether
Concen: 18.066 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion: 74 Resp: 25464
Ion Ratio Lower Upper
74 100
45 106.1 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.511 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

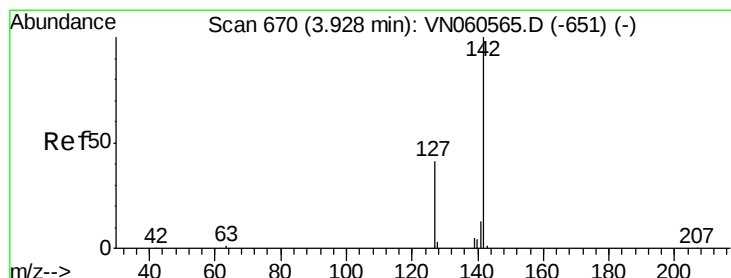
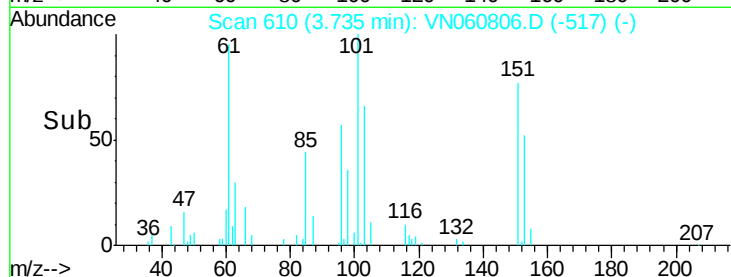
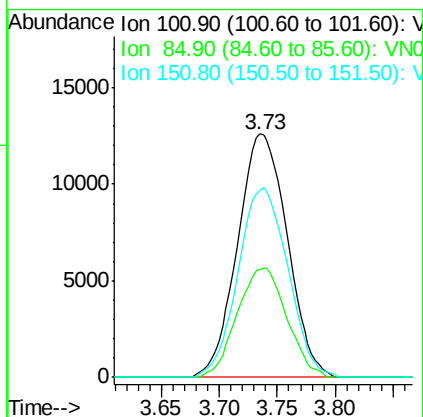
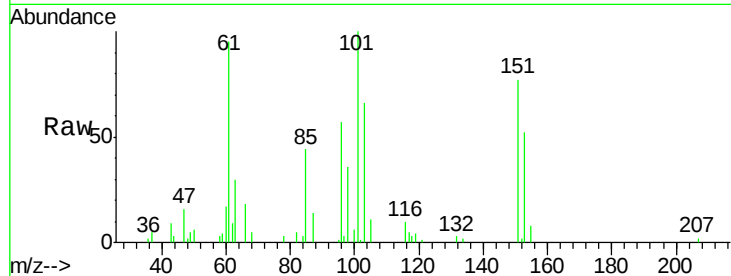
ClientSampleId :

VN0401WBS01

Tot Ion:	101	Resp:	37635
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.6	53.4
151	77.9	61.4	92.2

Manual Integrations
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MMDadoda
4/2/2020 10:13:48 AM



#10

Methyl Iodide

Concen: 18.161 ug/l

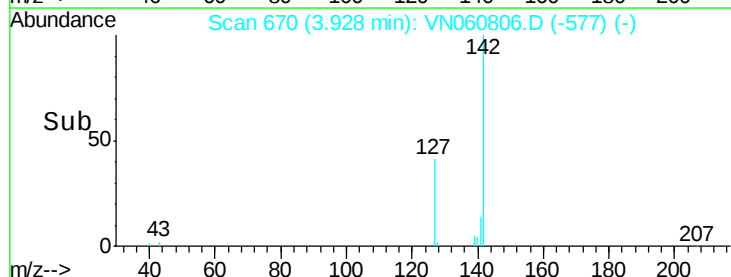
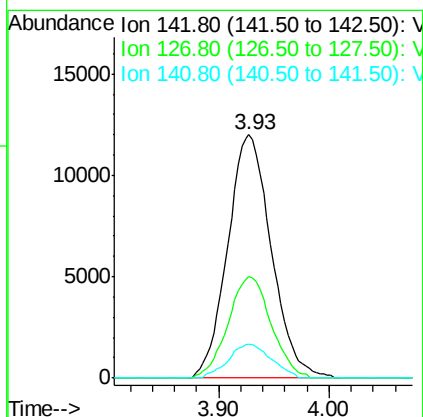
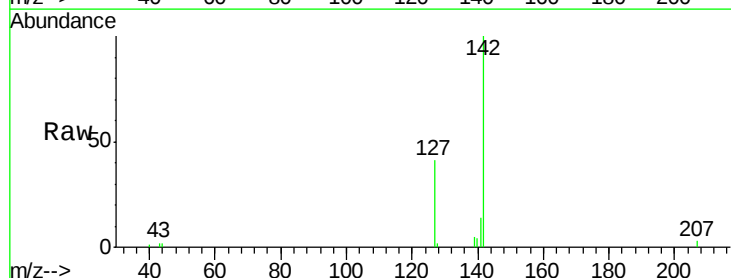
RT: 3.93 min Scan# 670

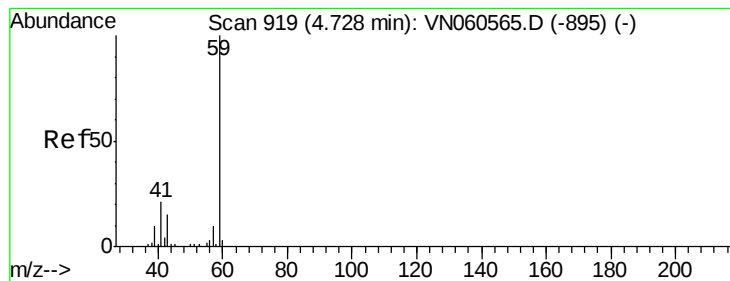
Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Tgt Ion:	142	Resp:	32855
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.5	50.3
141	13.7	11.0	16.6





#11

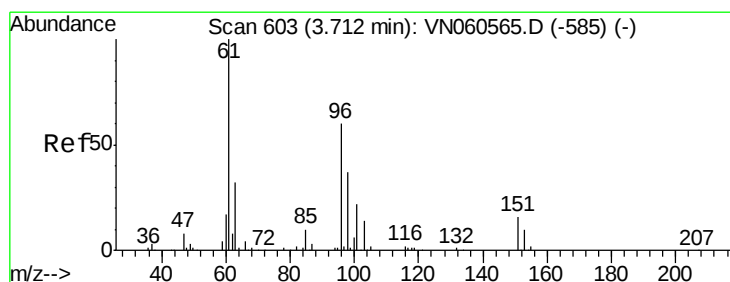
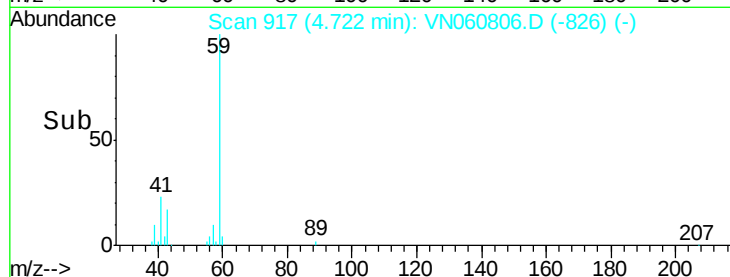
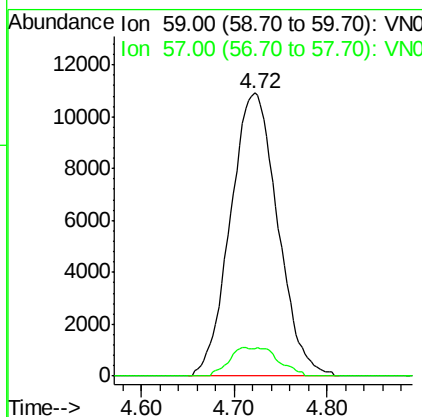
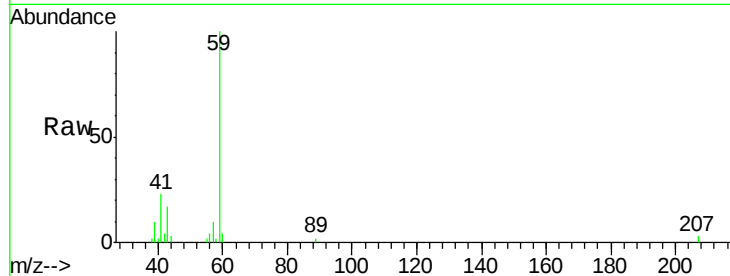
Tert butyl alcohol
 Concen: 94.940 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBS01

Tot Ion: 59 Resp: 38625
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.2 12.4#

Manual Integrations
 APPROVED

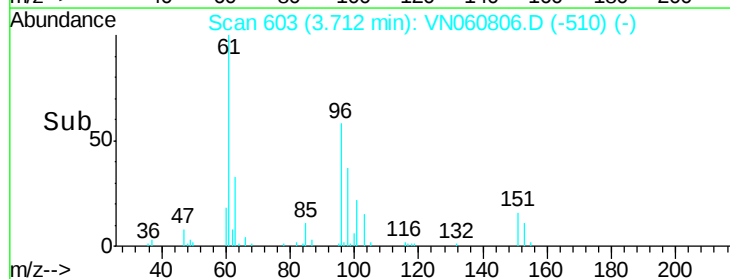
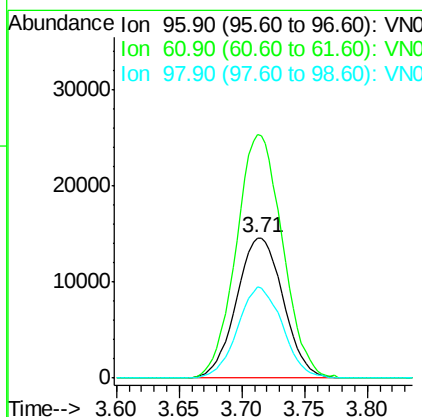
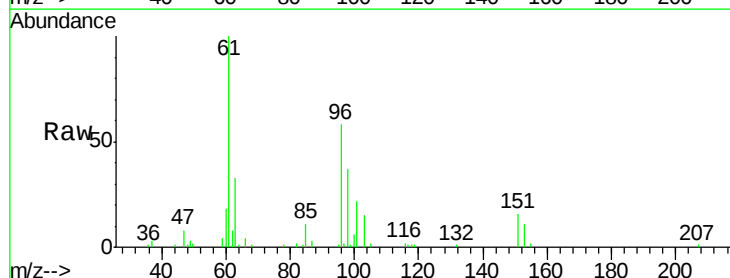
MMDadoda
 4/2/2020 10:13:48 AM

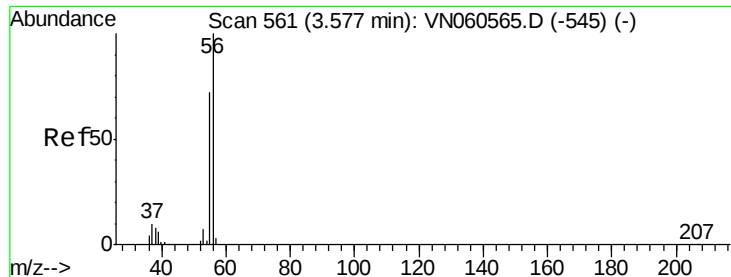


#12

1,1-Dichloroethene
 Concen: 17.314 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion: 96 Resp: 37774
 Ion Ratio Lower Upper
 96 100
 61 173.4 134.1 201.1
 98 64.9 49.9 74.9





#13

Acrolein

Concen: 79.087 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tot Ion: 56 Resp: 35660

Ion Ratio Lower Upper

56 100

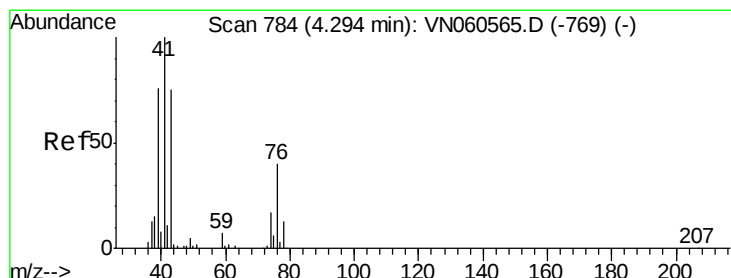
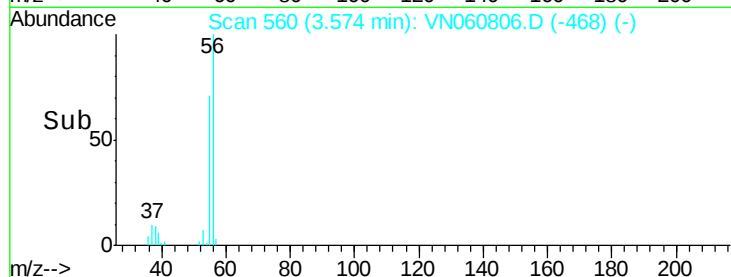
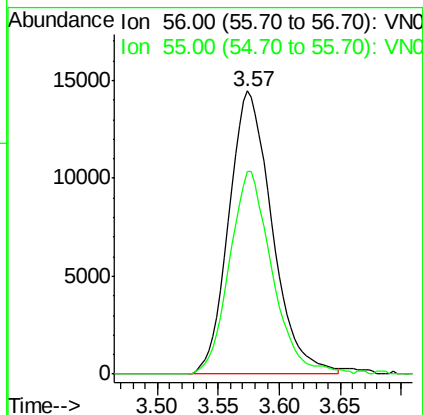
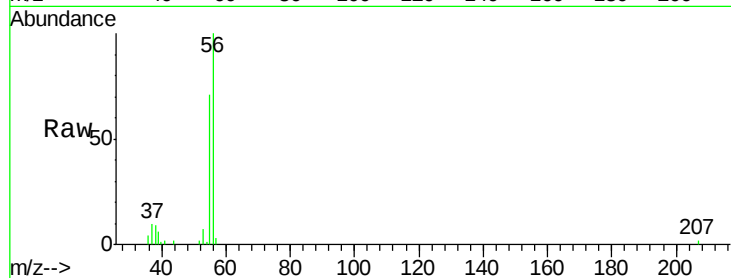
55 70.5 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

4/2/2020 10:13:48 AM



#14

Allyl chloride

Concen: 18.238 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

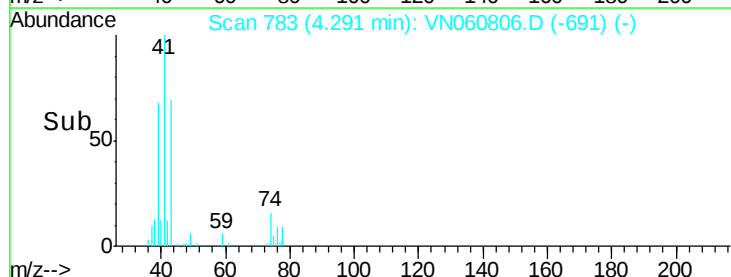
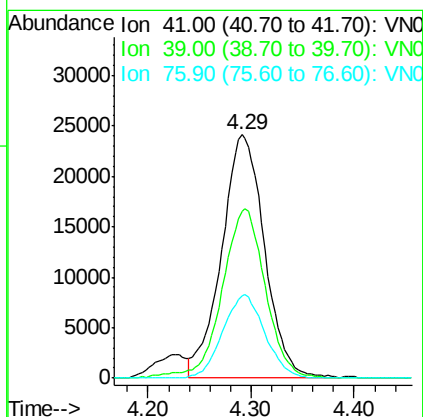
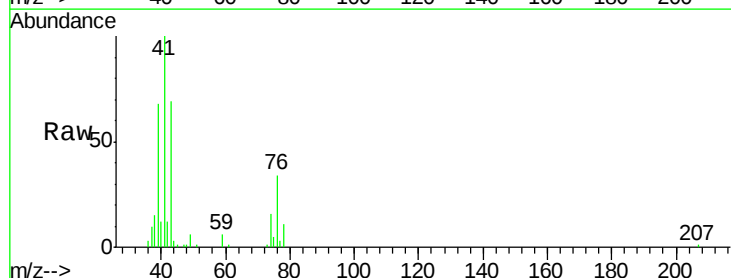
Tgt Ion: 41 Resp: 69985

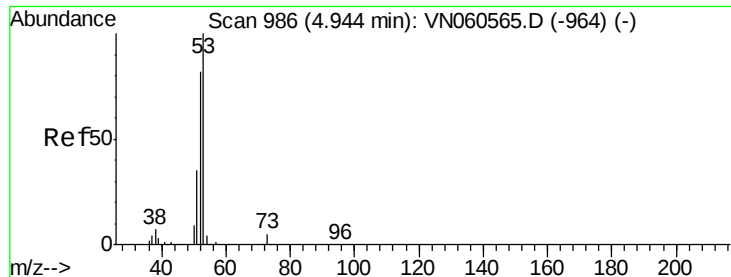
Ion Ratio Lower Upper

41 100

39 70.0 57.8 86.8

76 33.3 28.6 43.0





#15

Acrylonitrile

Concen: 90.670 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

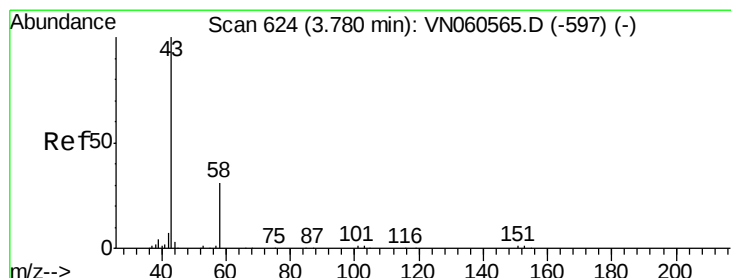
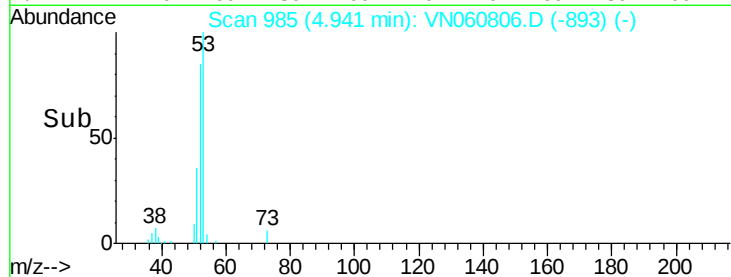
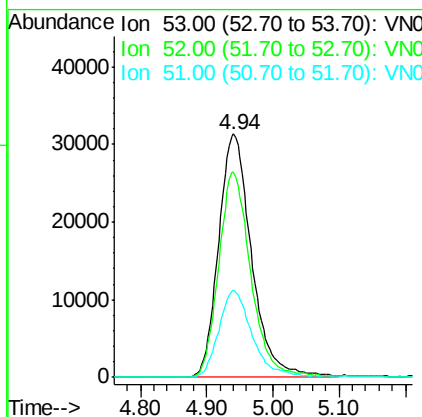
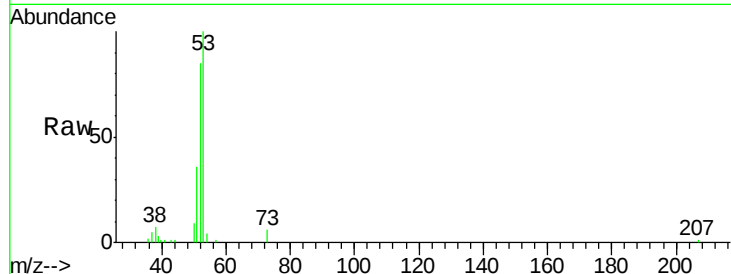
ClientSampleId :

VN0401WBS01

Tot Ion:	53	Resp:	108472
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.4
51	35.8	28.7	43.1

Manual Integrations
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MMDadoda
4/2/2020 10:13:48 AM



#16

Acetone

Concen: 102.684 ug/l

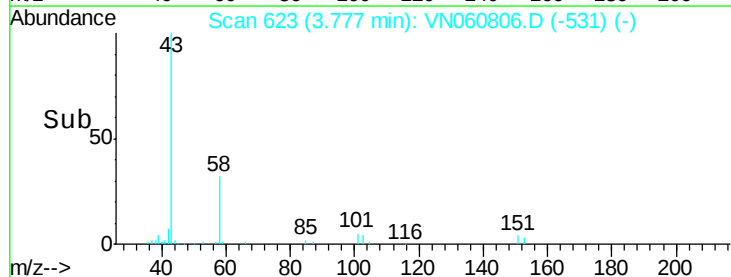
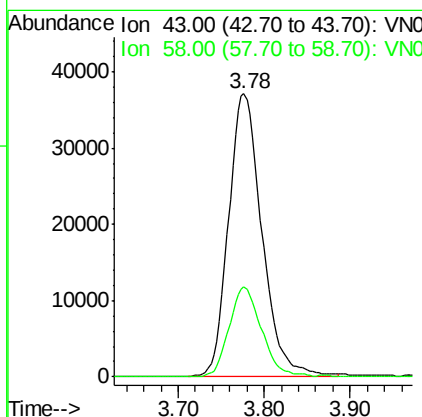
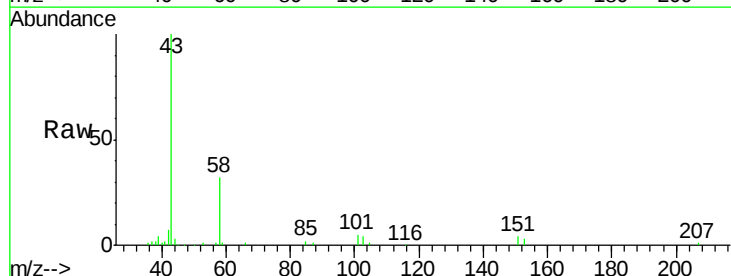
RT: 3.78 min Scan# 623

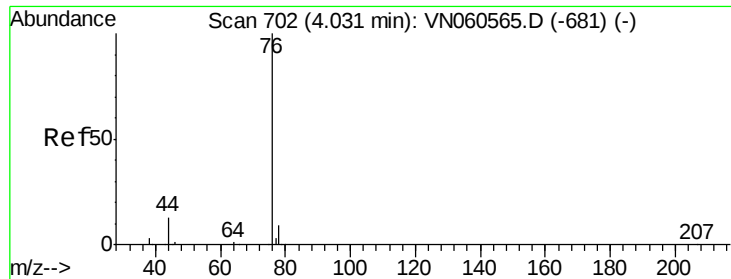
Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Tgt Ion:	43	Resp:	100618
Ion Ratio	Lower	Upper	
43	100		
58	31.9	25.1	37.7





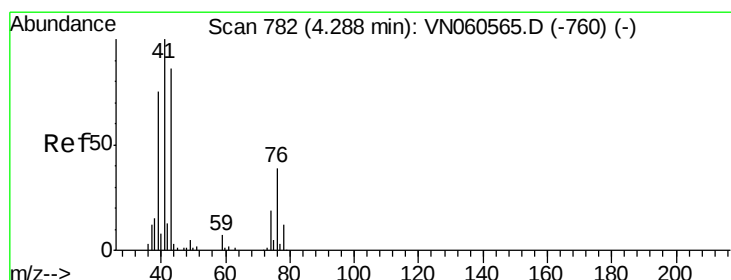
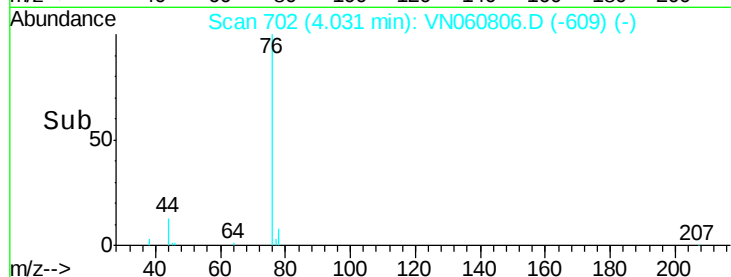
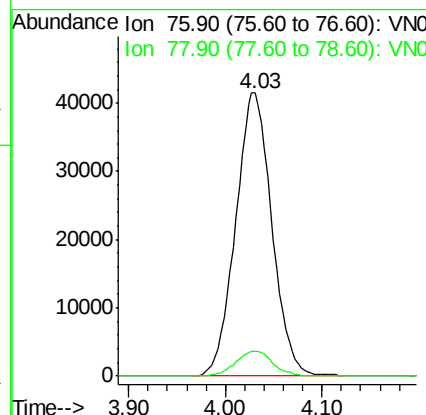
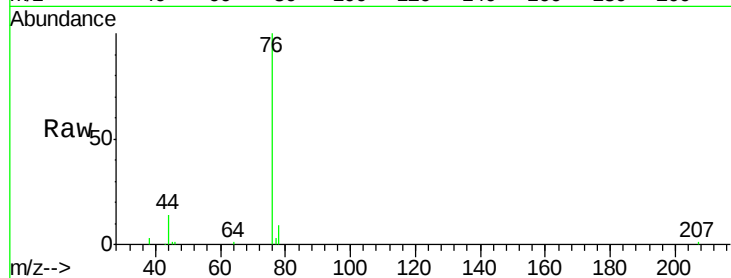
#17
Carbon Disulfide
Concen: 16.267 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	76	Resp	107938
Ion Ratio	Lower	Upper	
76	100		
78	8.9	7.2	10.8

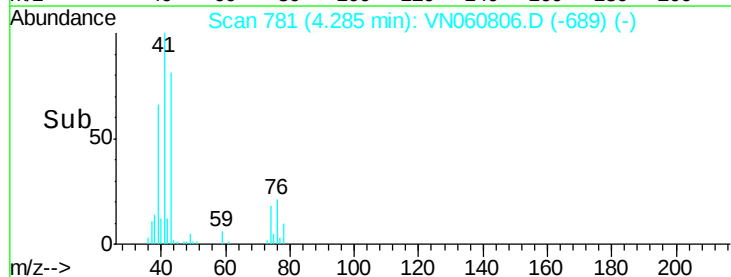
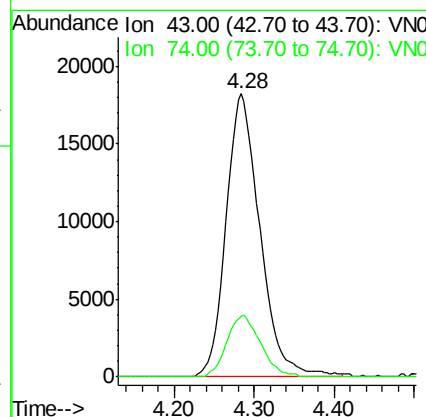
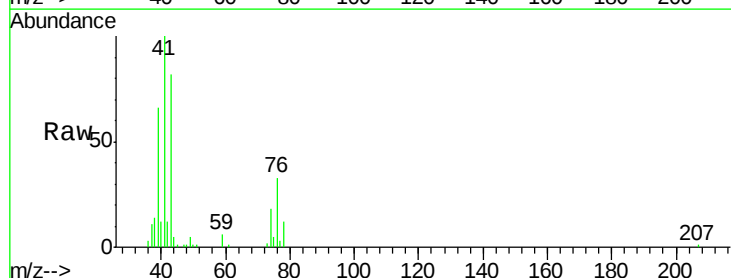
Manual Integrations
APPROVED

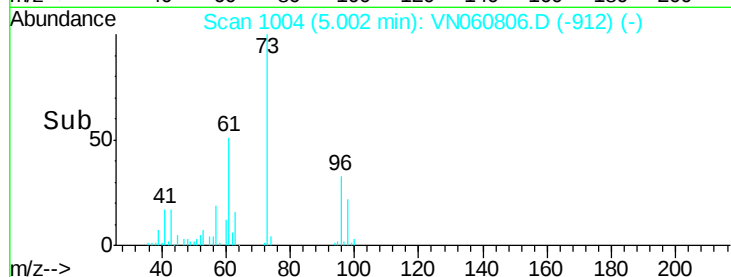
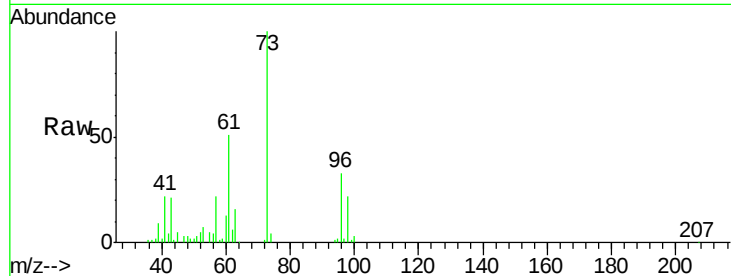
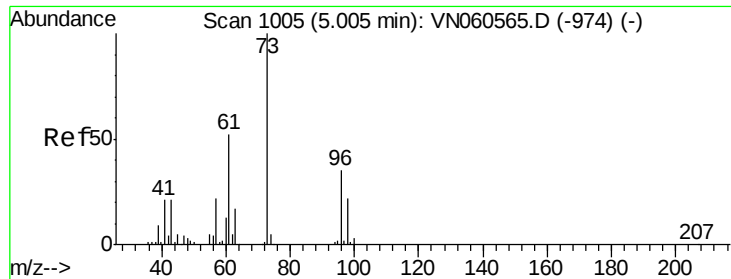
MMDadoda
4/2/2020 10:13:48 AM



#18
Methyl Acetate
Concen: 19.218 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	43	Resp	53005
Ion Ratio	Lower	Upper	
43	100		
74	21.5	17.5	26.3





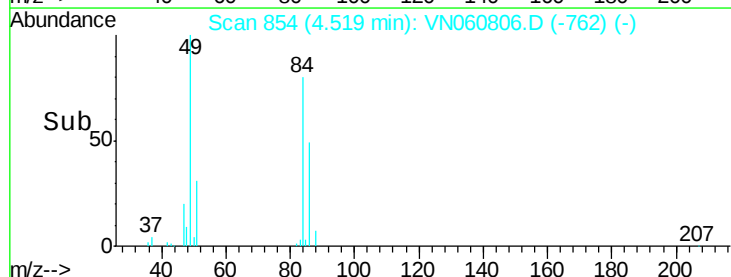
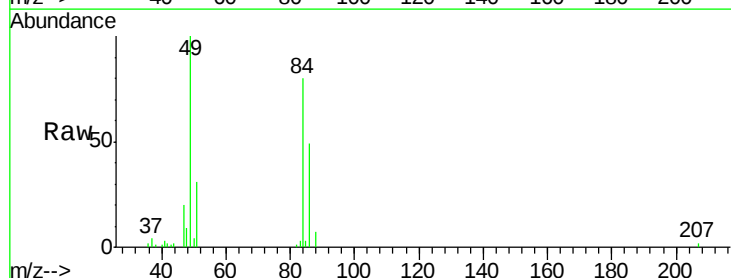
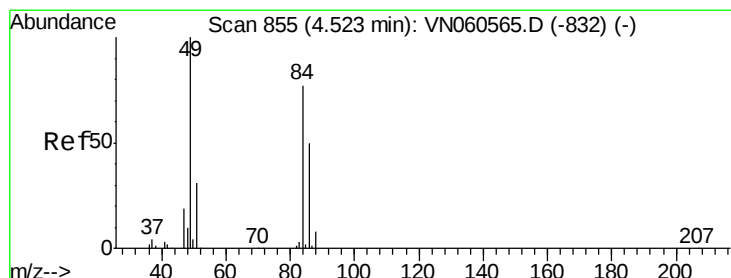
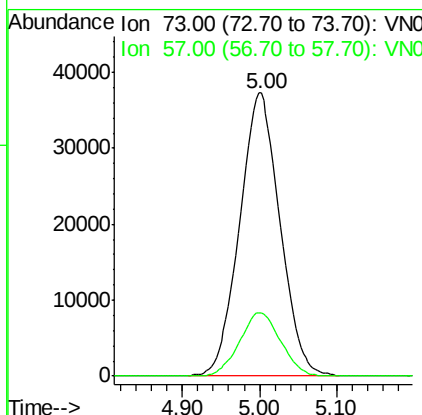
#19
Methvl tert-butvl Ether
Concen: 18.063 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tot Ion: 73 Resp: 135489
Ion Ratio Lower Upper
73 100
57 22.3 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

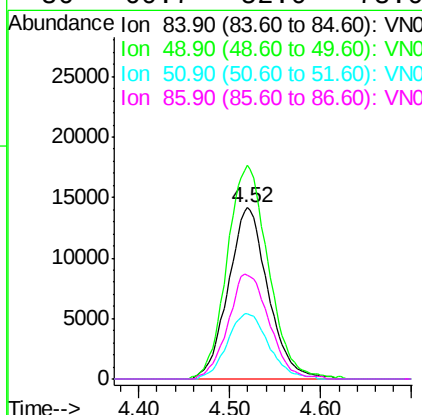
Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:13:48 AM



#20
Methylene Chloride
Concen: 17.859 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion: 84 Resp: 43049
Ion Ratio Lower Upper
84 100
49 124.9 103.3 154.9
51 38.2 31.6 47.4
86 60.7 52.0 78.0





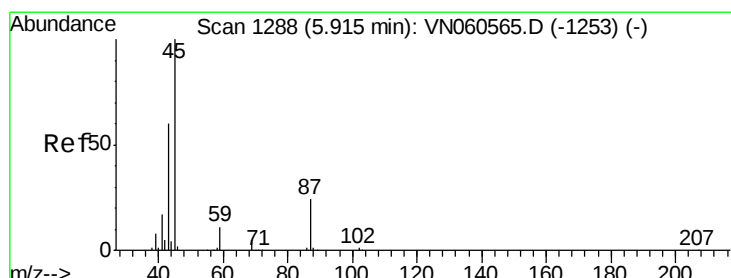
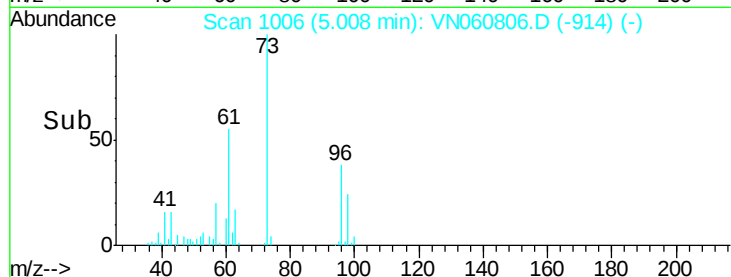
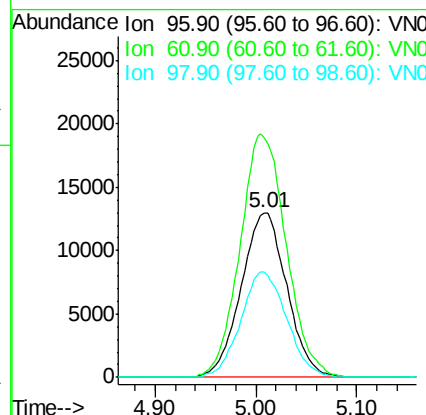
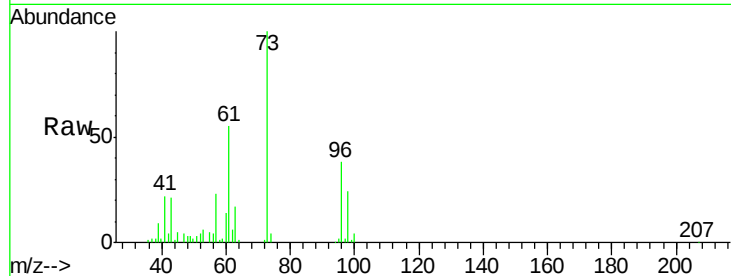
#21
trans-1,2-Dichloroethene
Concen: 17.539 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	114.4	171.6
98	64.0	48.4	72.6

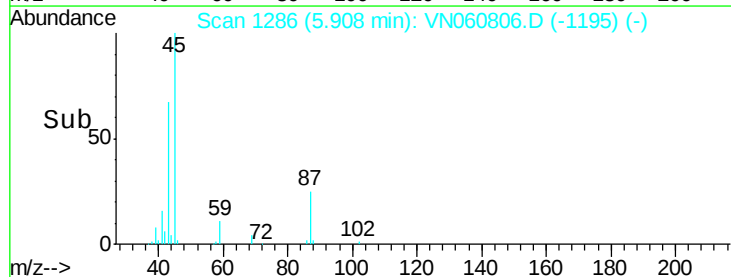
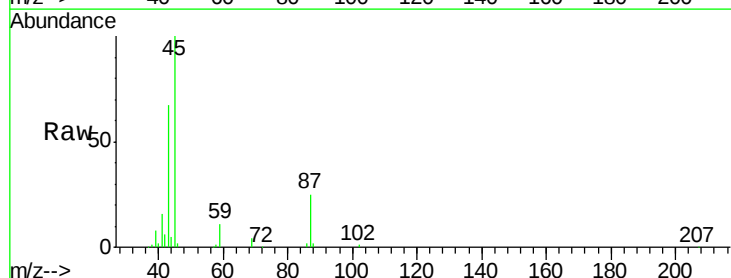
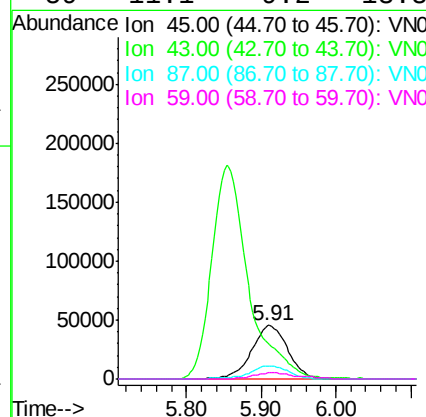
Manual Integrations
APPROVED

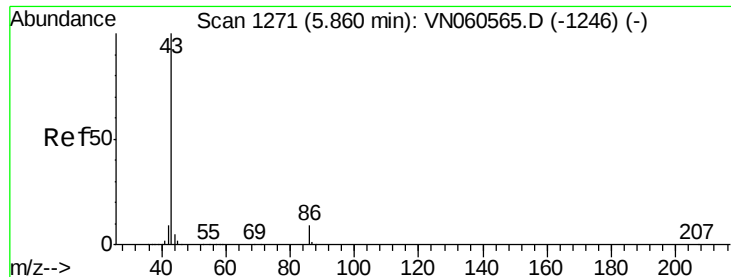
MMDadoda
4/2/2020 10:13:48 AM



#22
Diisopropyl ether
Concen: 18.863 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	49.8	74.8
87	24.7	20.1	30.1
59	11.1	9.2	13.8





#23

Vinyl Acetate

Concen: 93.330 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion: 43 Resp: 617336

Ion Ratio Lower Upper

43 100

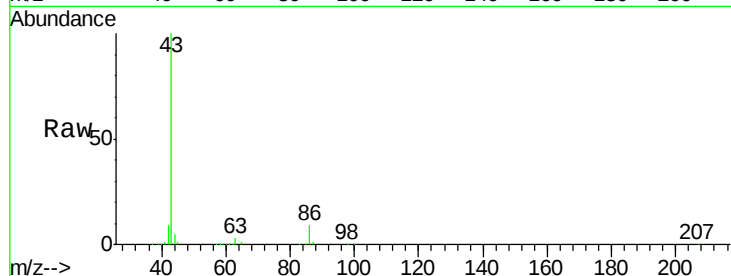
86 9.3 7.6 11.4

Manual Integrations

APPROVED

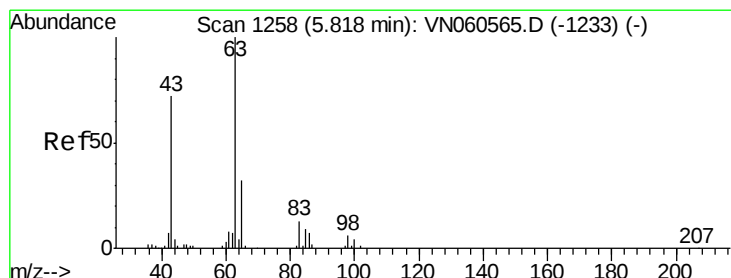
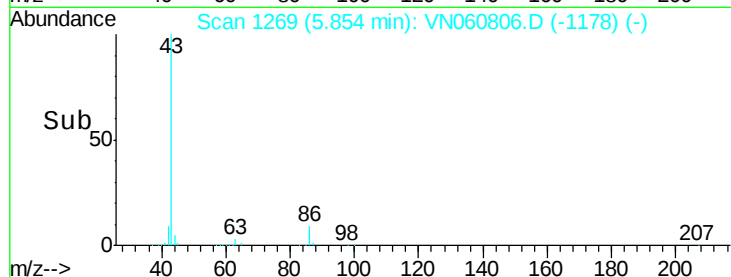
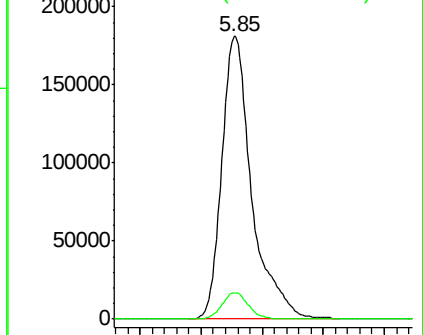
MMDadoda

4/2/2020 10:13:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.528 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

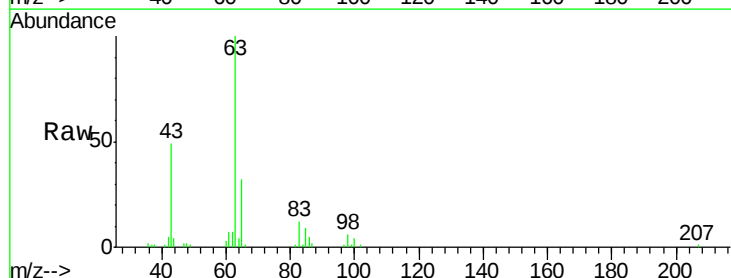
Tgt Ion: 63 Resp: 81882

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

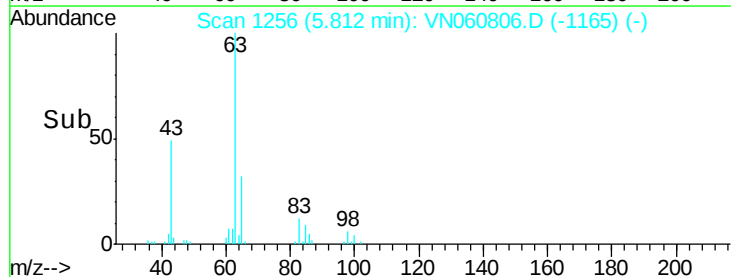
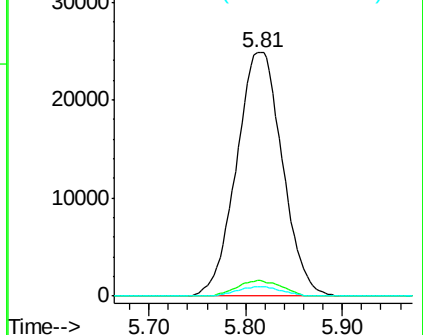
100 4.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





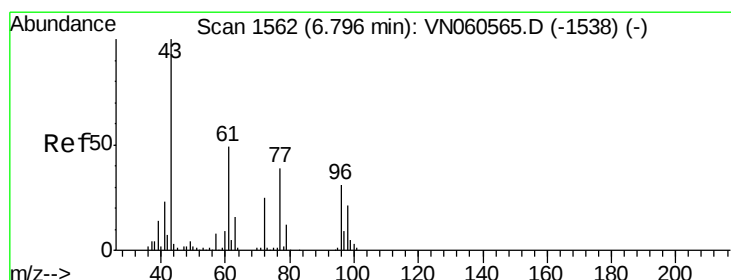
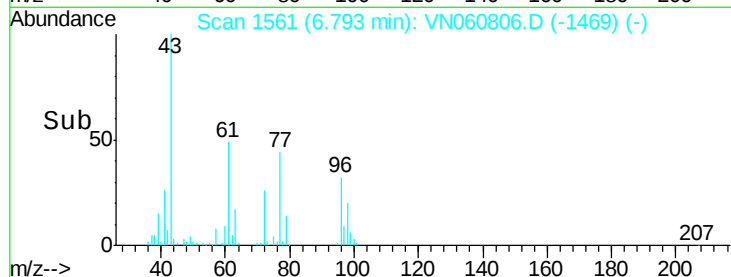
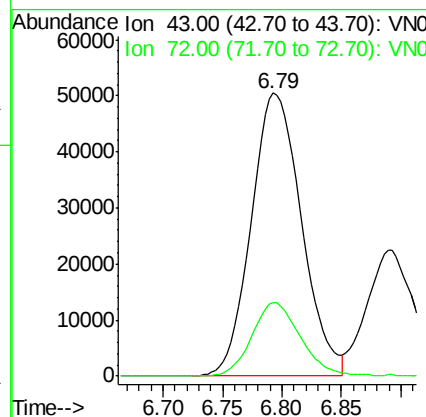
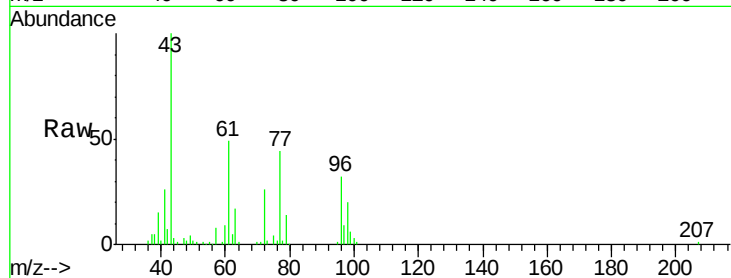
#25
2-Butanone
Concen: 93.345 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0401WBS01

Tot Ion: 43 Resp: 148010
Ion Ratio Lower Upper
43 100
72 26.0 20.4 30.6

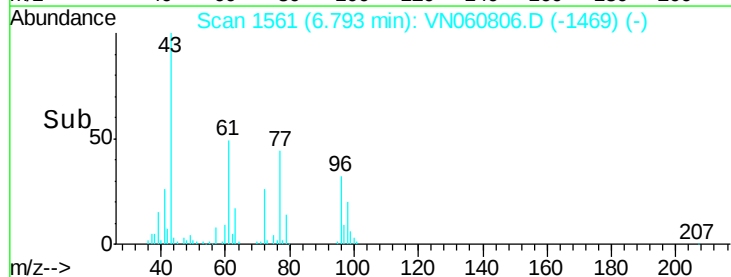
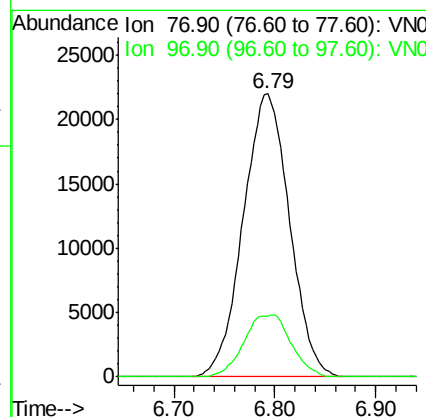
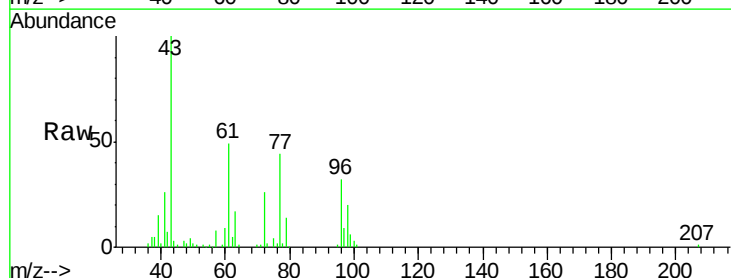
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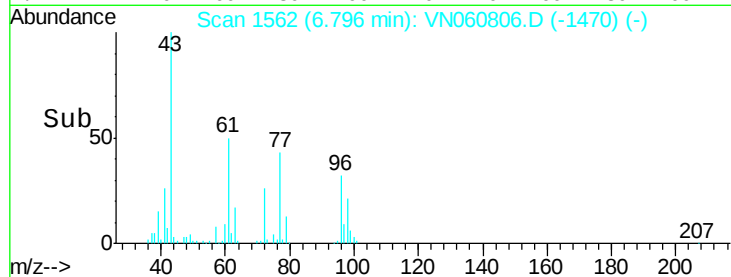
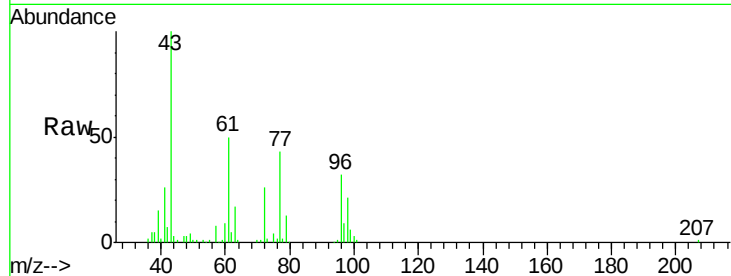
MMDadoda
4/2/2020 10:13:48 AM



#26
2,2-Dichloropropane
Concen: 20.154 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion: 77 Resp: 70078
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.023 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Tot Ion:	96	Resp:	47624
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	305.6
98	63.8	0.0	127.6

Instrument :

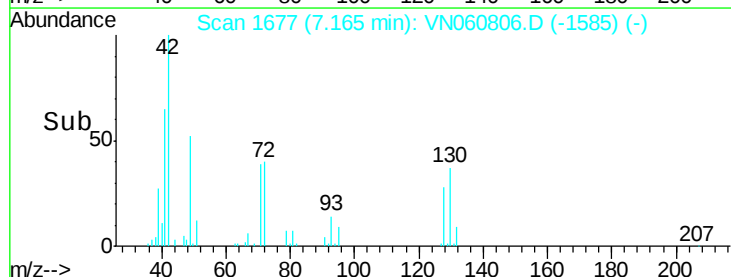
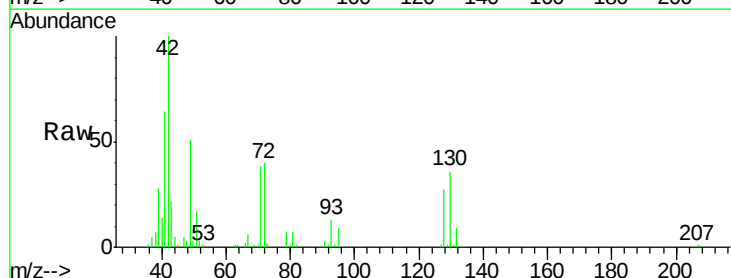
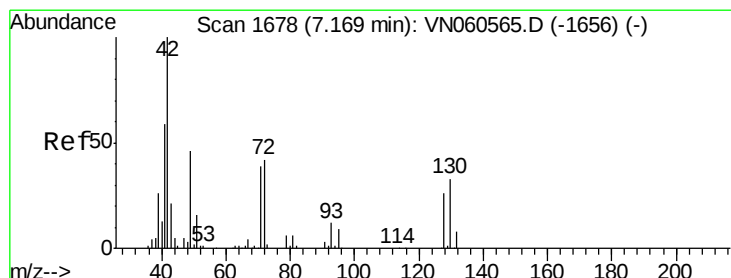
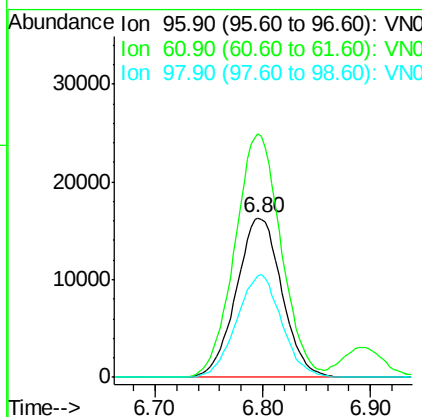
MSVOA_N

ClientSampled :

VN0401WBS01

Manual Integrations
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#28

Bromochloromethane

Concen: 19.486 ug/l

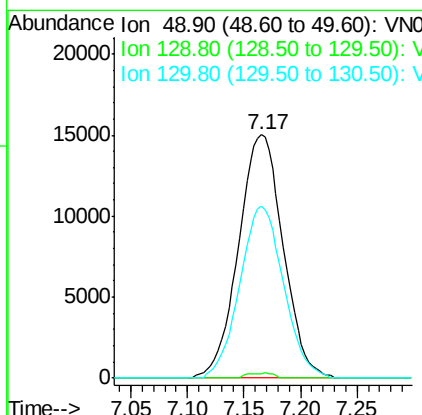
RT: 7.17 min Scan# 1677

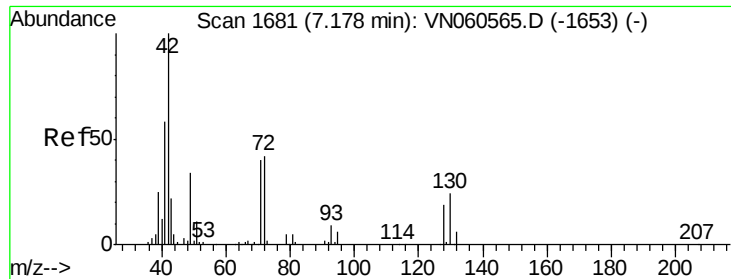
Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Tgt Ion:	49	Resp:	41202
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.4
130	69.3	55.0	82.4





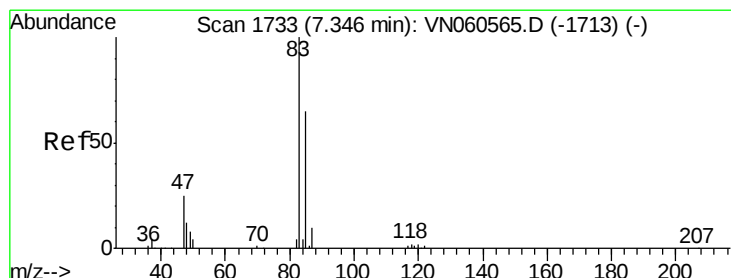
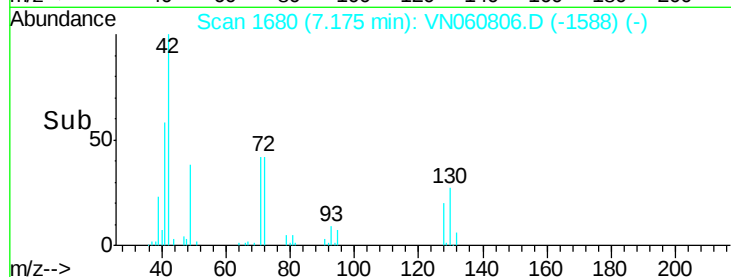
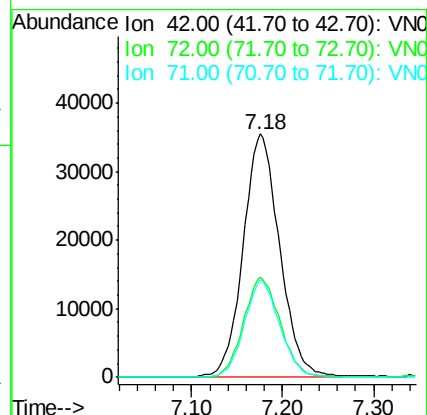
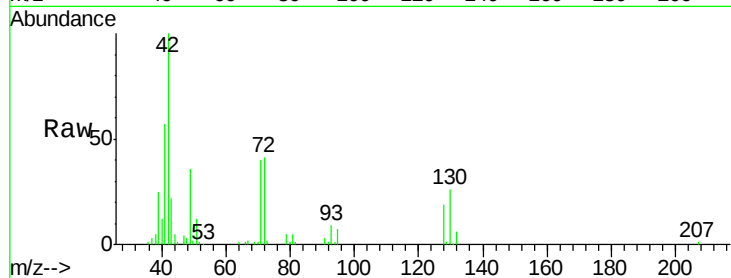
#29
Tetrahydrofuran
Concen: 88.294 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.2	49.8
71	38.7	31.1	46.7

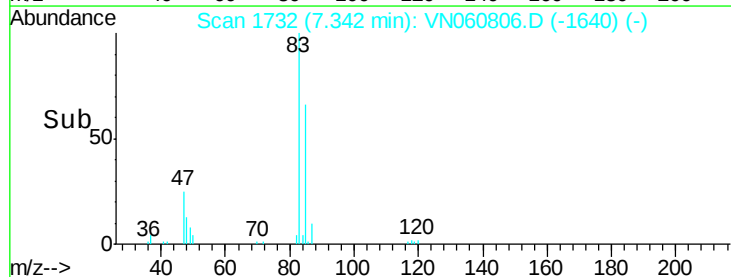
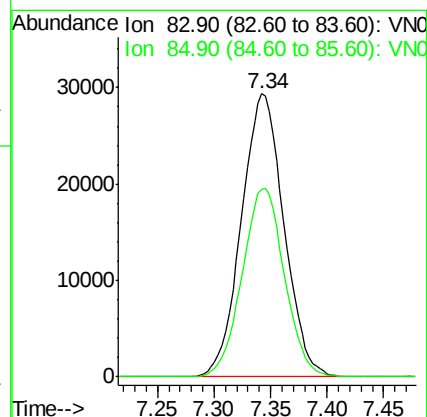
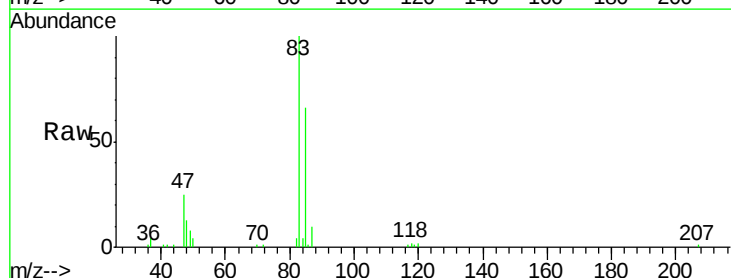
Manual Integrations
APPROVED

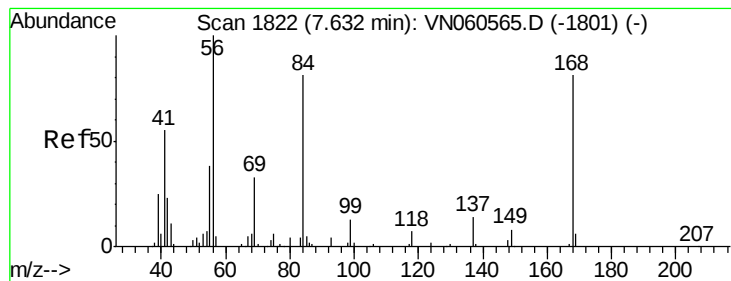
MMDadoda
4/2/2020 10:13:48 AM



#30
Chloroform
Concen: 18.110 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.8





#31

Cyclohexane

Concen: 17.787 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

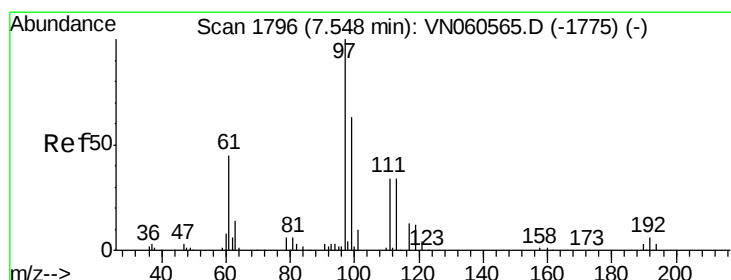
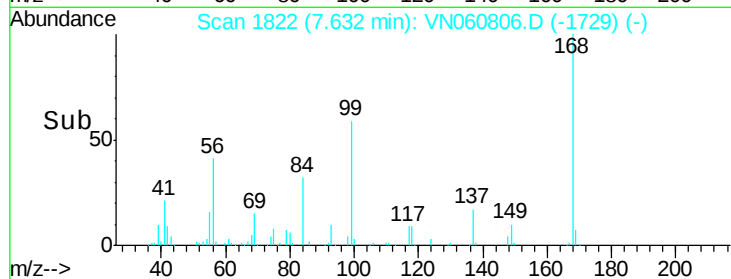
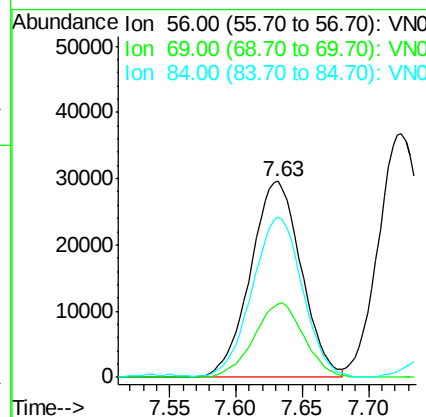
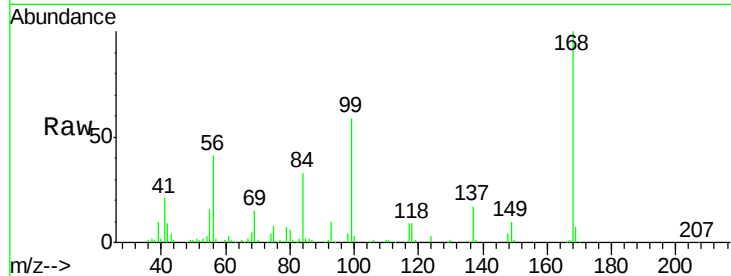
ClientSampled :

VN0401WBS01

Tot Ion	56	Resp	79250
Ion Ratio	Lower	Upper	
56	100		
69	37.8	26.6	40.0
84	81.6	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.947 ug/l

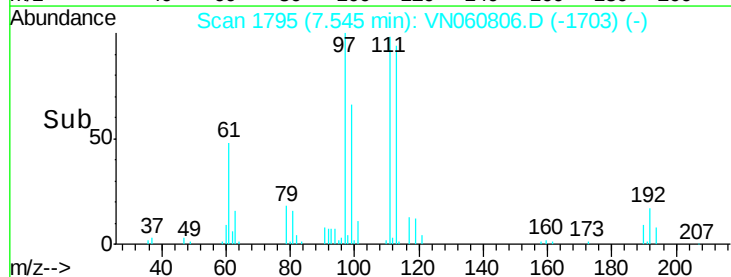
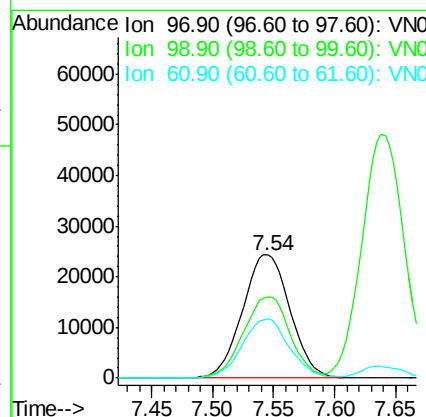
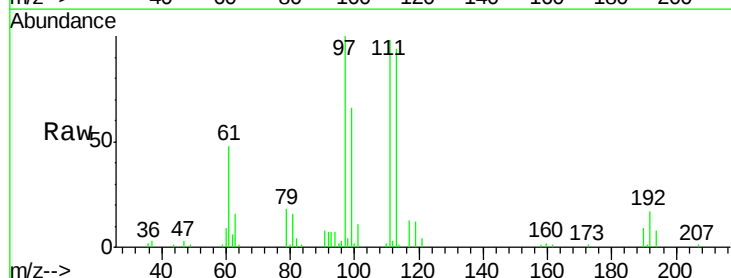
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Tgt Ion	97	Resp	65551
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.6	75.8
61	47.3	36.2	54.4





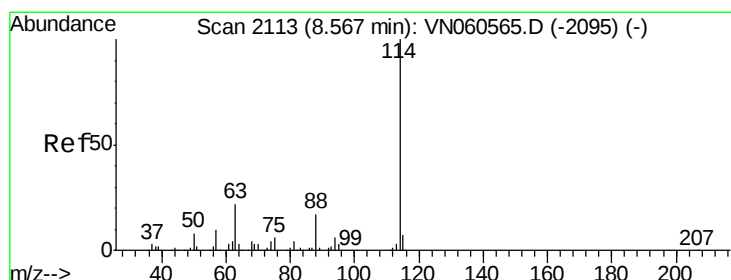
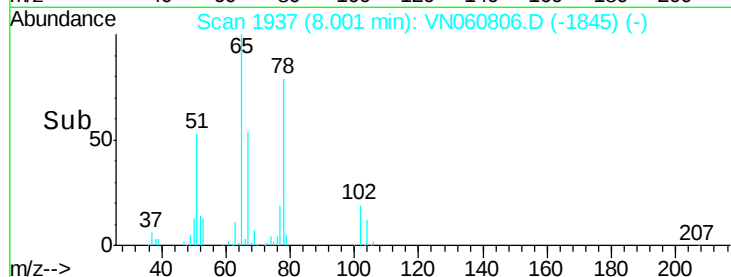
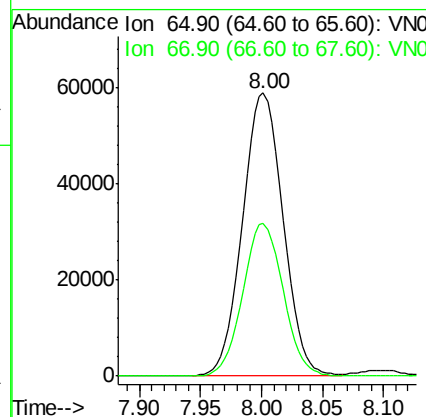
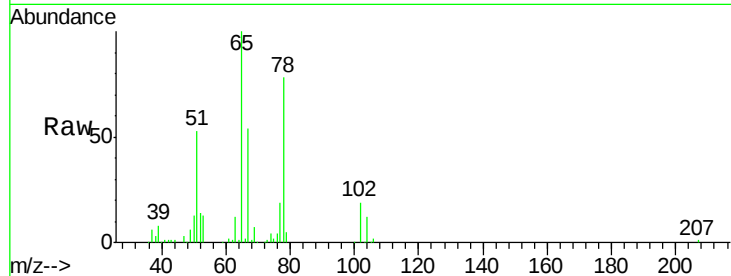
#33
 1,2-Dichloroethane-d4
 Concen: 49.093 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.6	

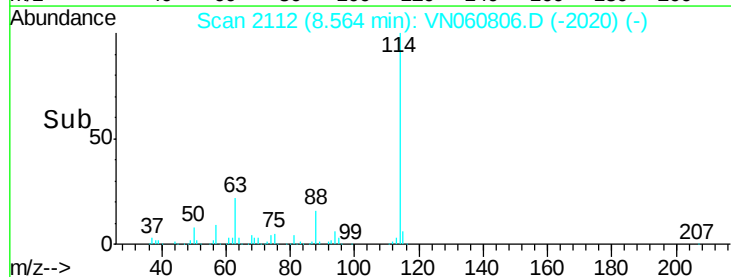
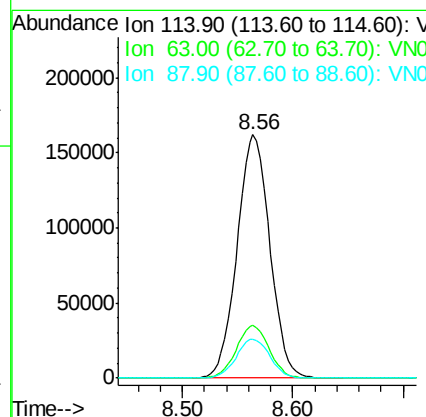
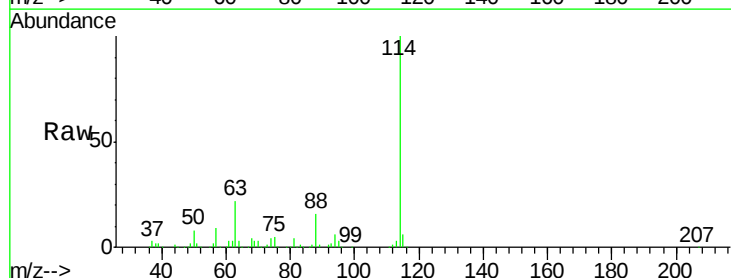
Manual Integrations
 APPROVED

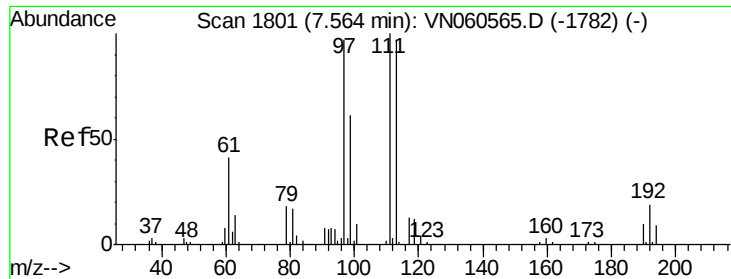
MMDadoda
 4/2/2020 10:13:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	43.8	
88	16.1	0.0	33.0	





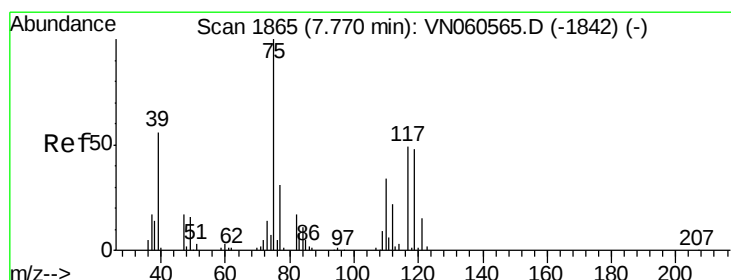
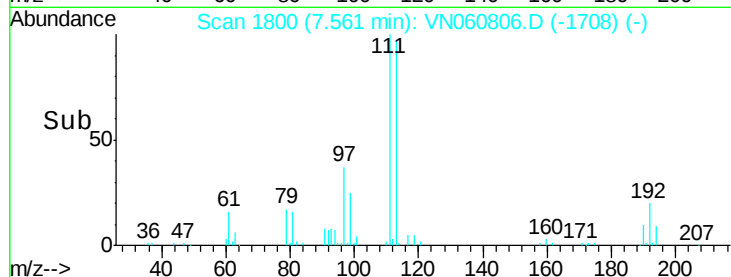
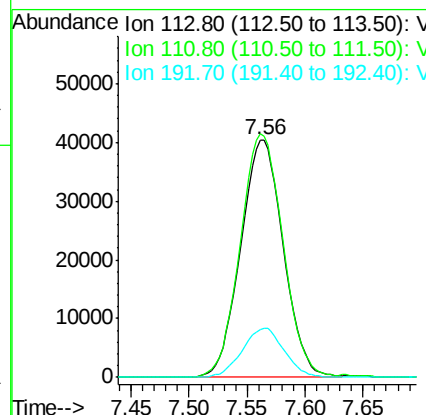
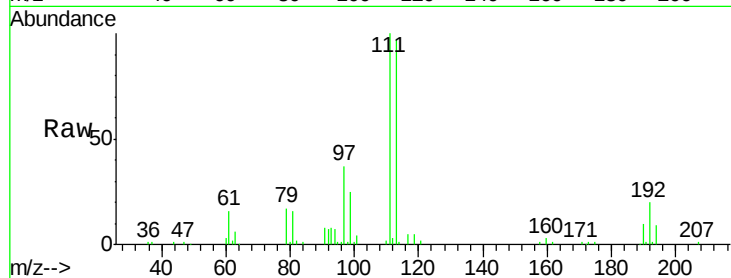
#35
Dibromofluoromethane
Concen: 51.262 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	20.3	15.8	23.8

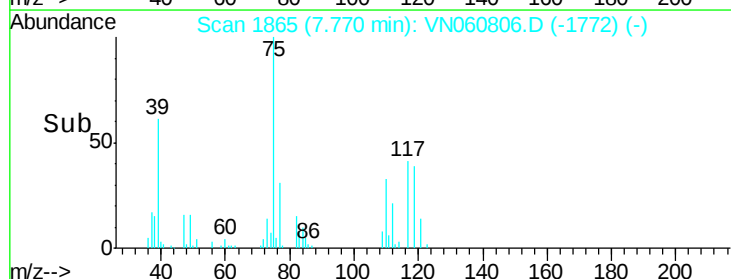
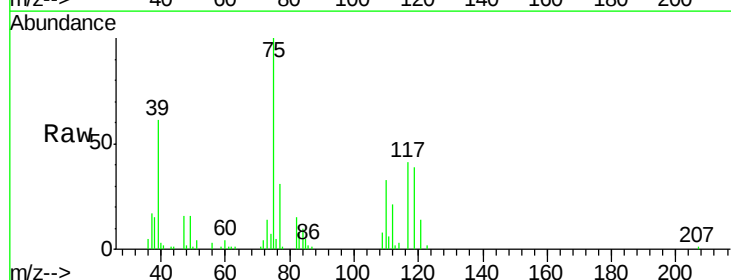
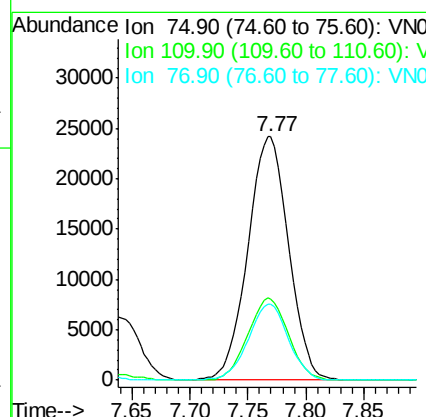
Manual Integrations
APPROVED

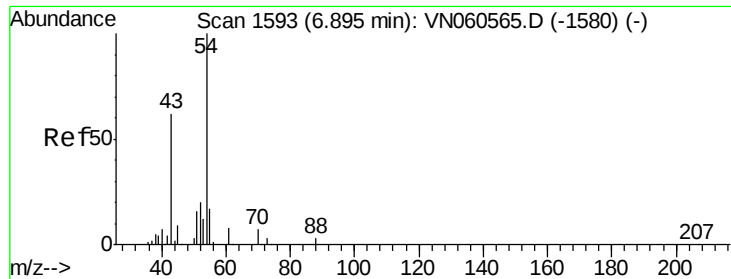
MMDadoda
4/2/2020 10:13:48 AM



#36
1,1-Dichloropropene
Concen: 18.341 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	30.8	24.6	36.8





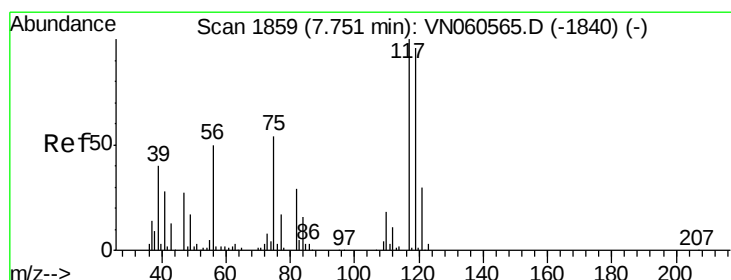
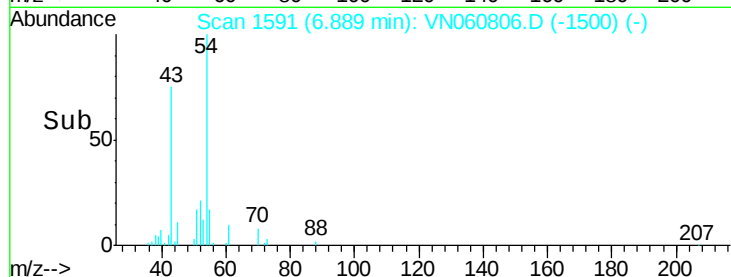
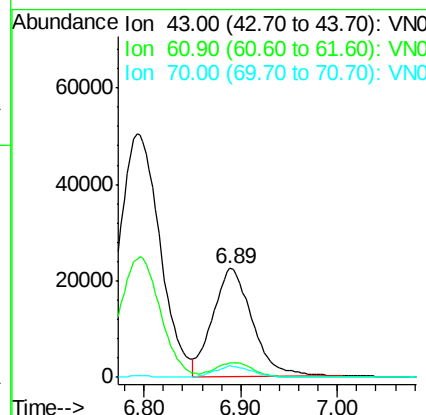
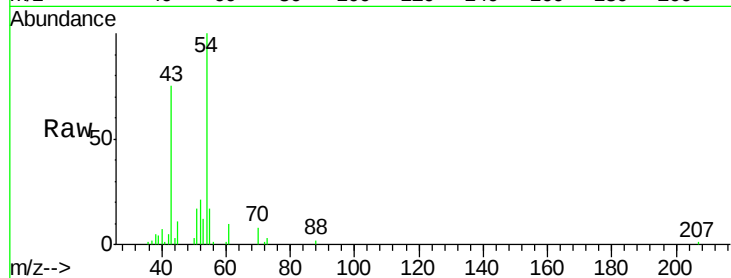
#37
Ethyl Acetate
Concen: 18.382 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.7	7.9	11.9

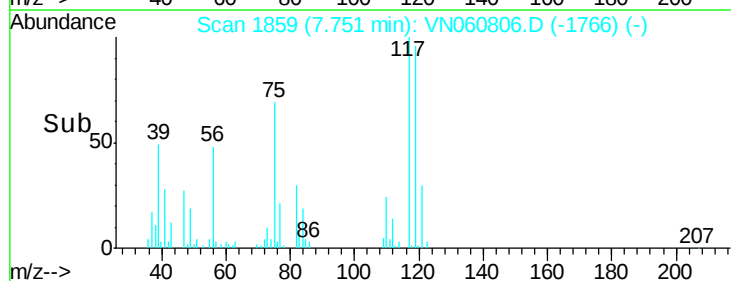
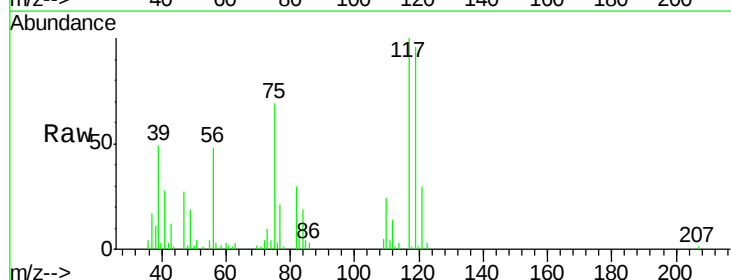
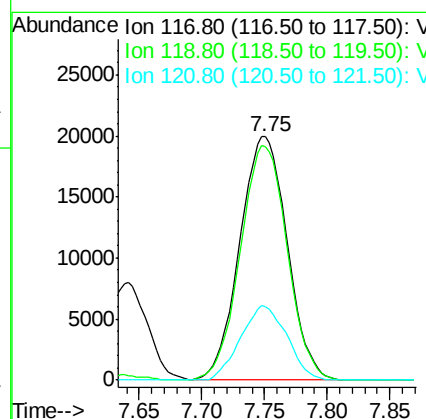
Manual Integrations
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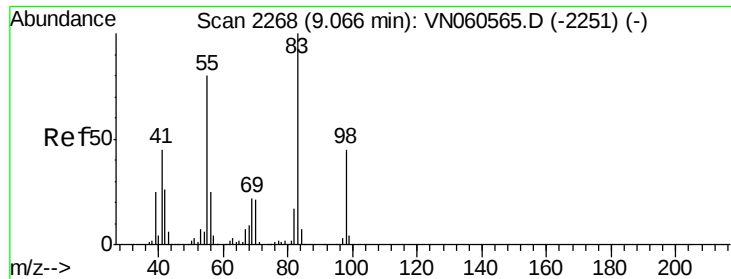
MMDadoda
4/2/2020 10:13:48 AM



#38
Carbon Tetrachloride
Concen: 18.155 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2
121	30.3	23.7	35.5





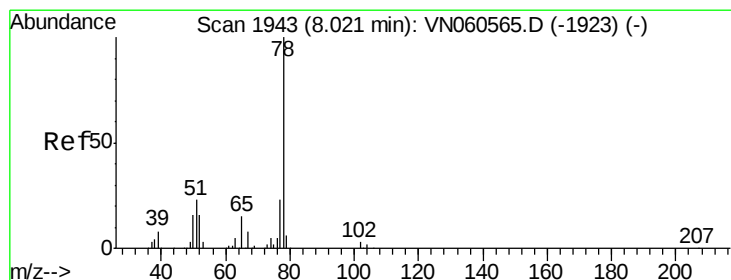
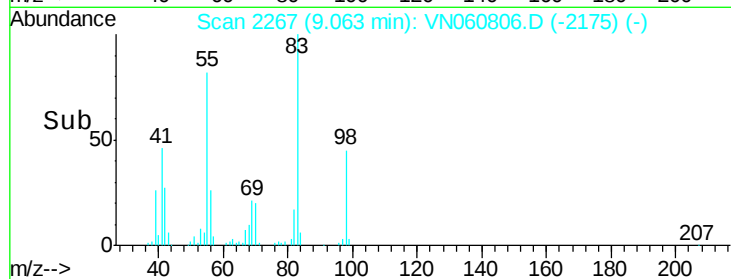
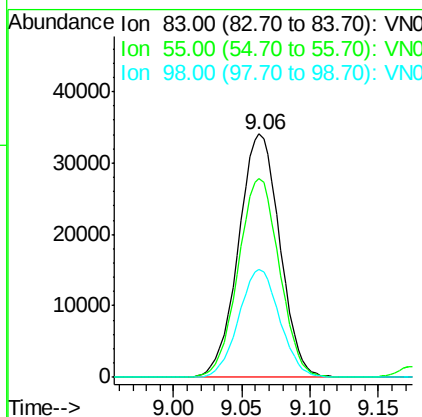
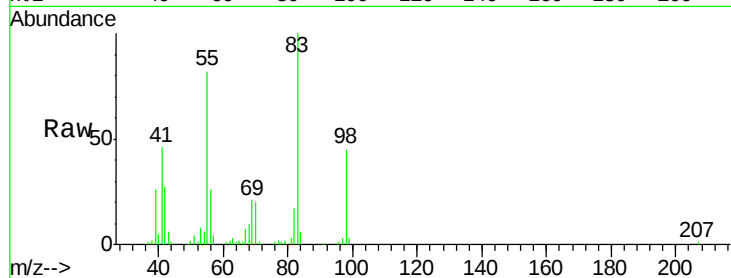
#39
Methvlcvclohexane
Concen: 18.694 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	83	Resp	71638
Ion Ratio	100	Lower	Upper
83	100		
55	81.9	63.6	95.4
98	44.6	36.0	54.0

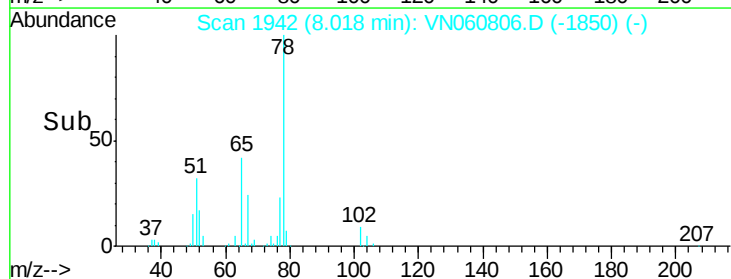
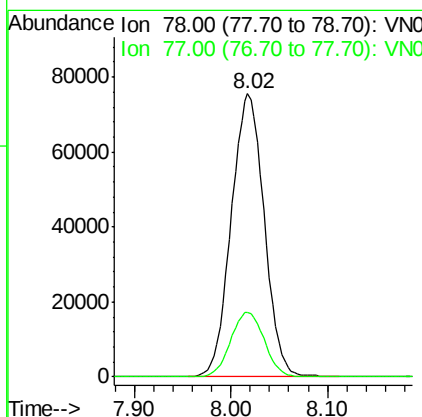
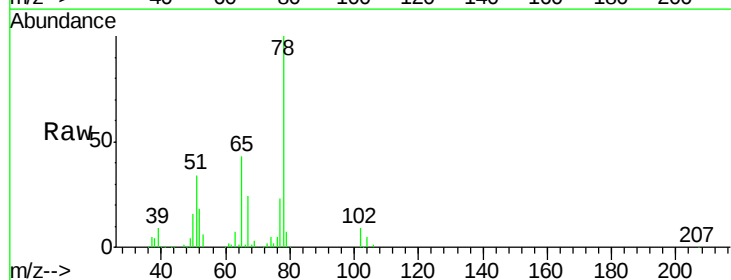
Manual Integrations
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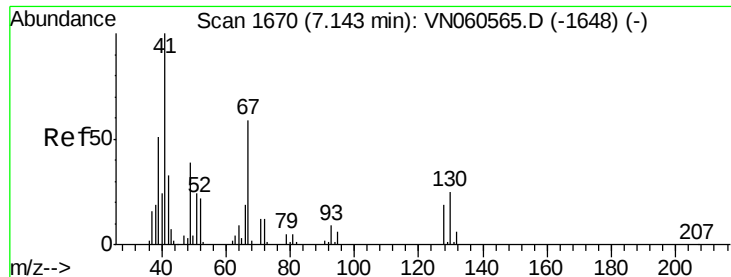
MMDadoda
4/2/2020 10:13:48 AM



#40
Benzene
Concen: 18.359 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	78	Resp	178711
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.6	28.0





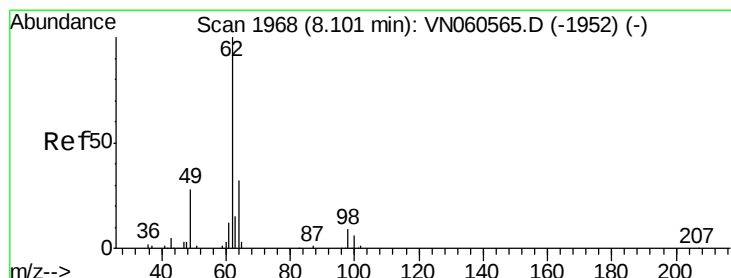
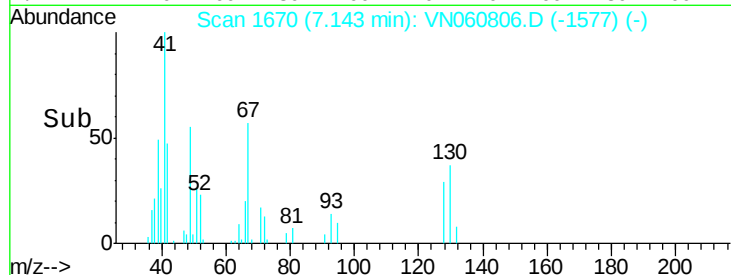
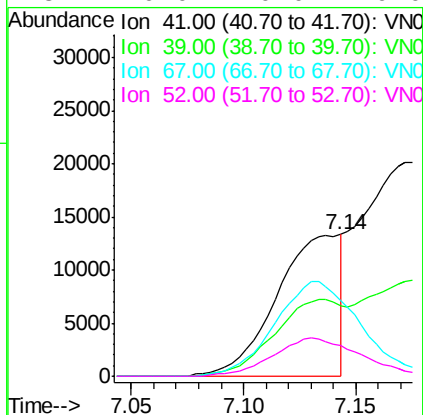
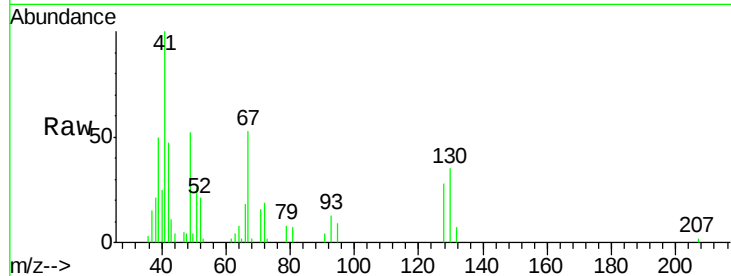
#41
Methacrylonitrile
Concen: 17.704 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0401WBS01

Tot Ion	41	Resp	26326
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

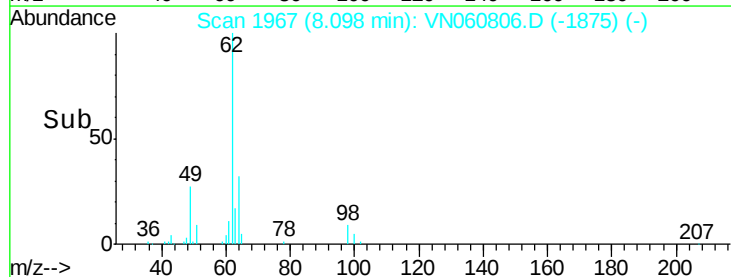
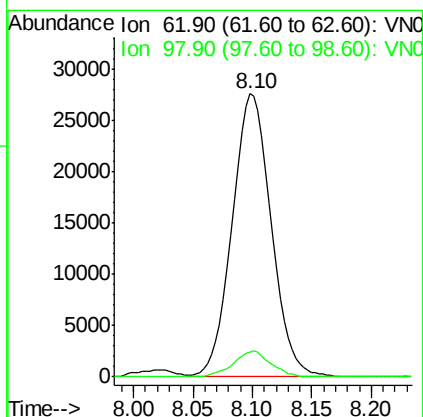
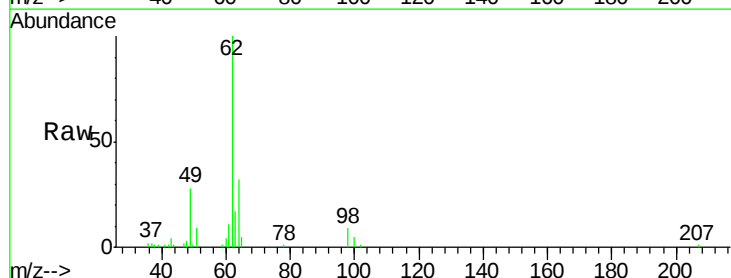
Manual Integrations
APPROVED

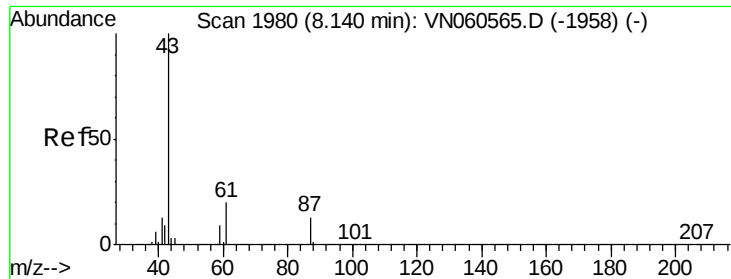
MMDadoda
4/2/2020 10:13:48 AM



#42
1,2-Dichloroethane
Concen: 18.908 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	62	Resp	62903
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.8





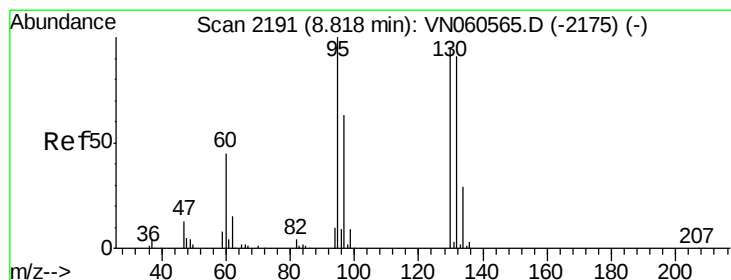
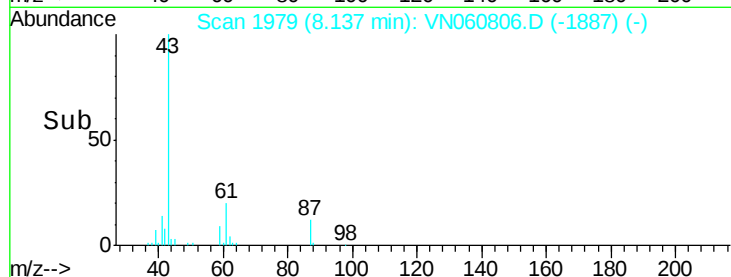
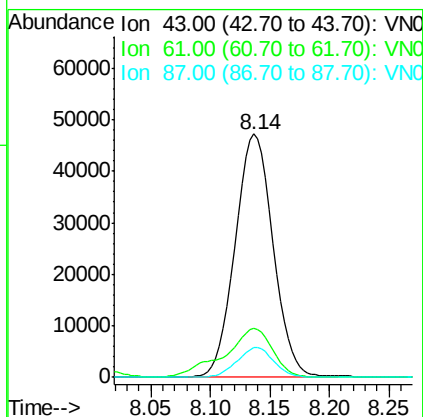
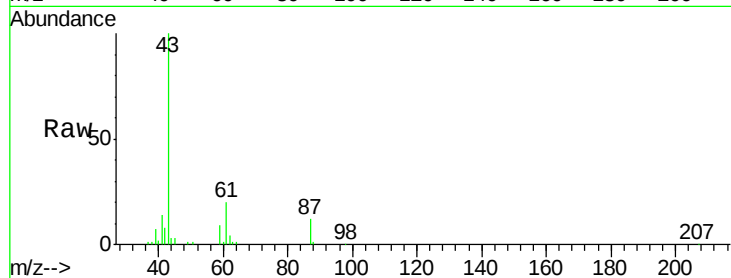
#43
Isopropyl Acetate
Concen: 18.220 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.7	31.1
87	11.7	9.8	14.8

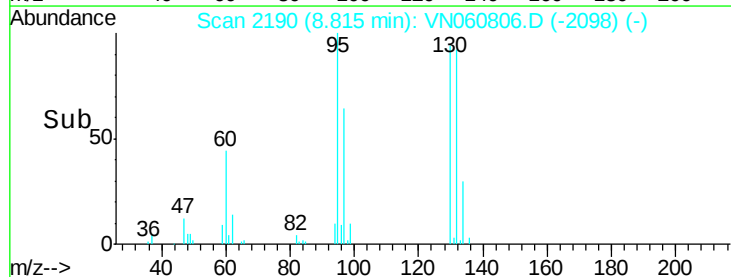
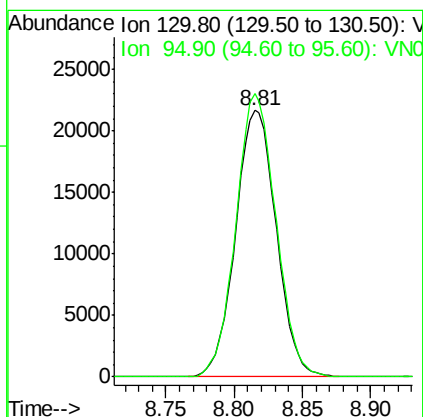
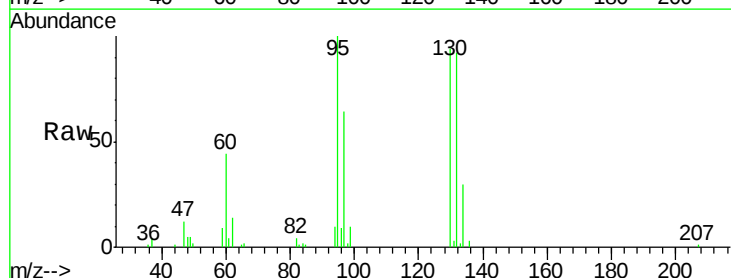
Manual Integrations
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4/2/2020 10:13:48 AM



#44
Trichloroethene
Concen: 18.302 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	211.2





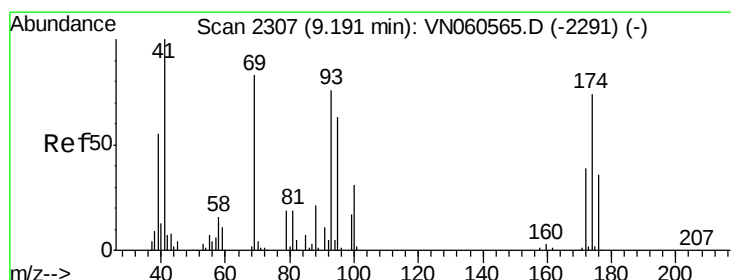
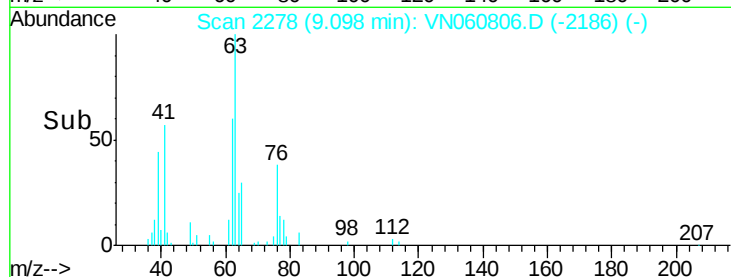
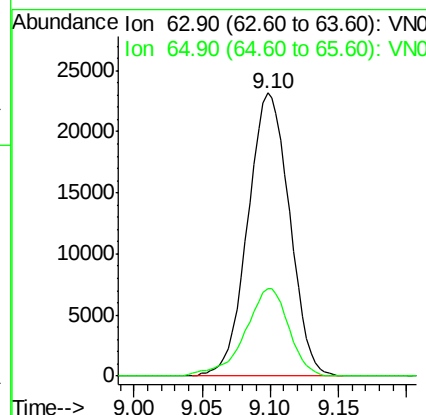
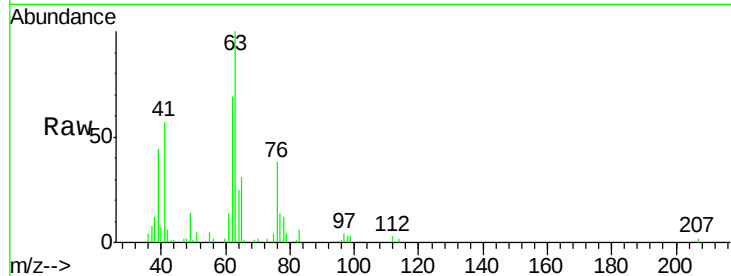
#45
 1,2-Dichloropropane
 Concen: 19.130 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBS01

Tot Ion: 63 Resp: 49138
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.4 38.0

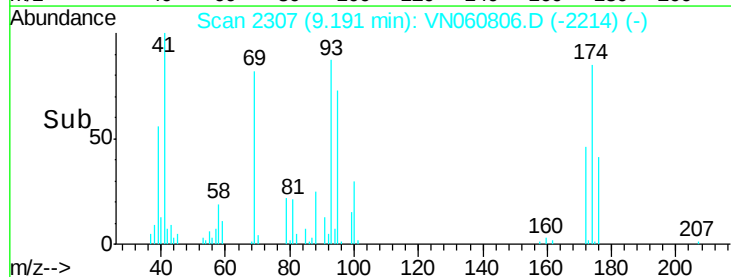
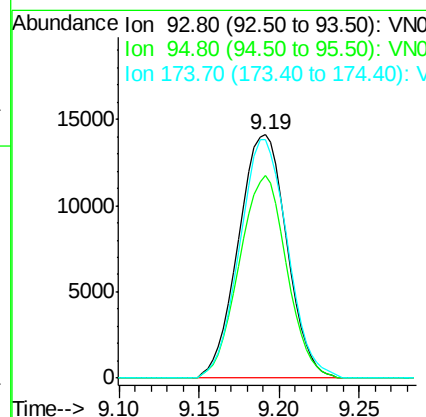
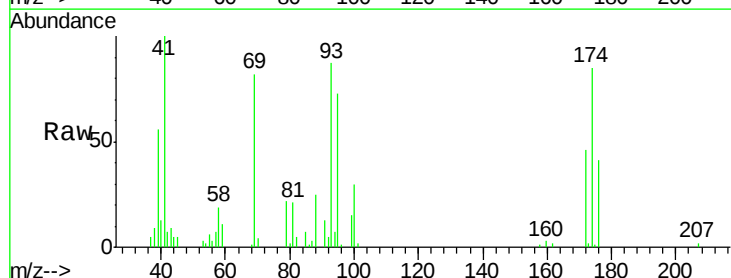
Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:48 AM



#46
 Dibromomethane
 Concen: 18.819 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion: 93 Resp: 29224
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.2 99.4
 174 96.6 77.9 116.9





#47

Bromodichloromethane

Concen: 18.512 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

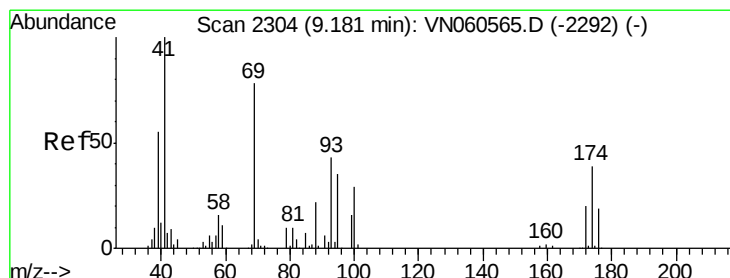
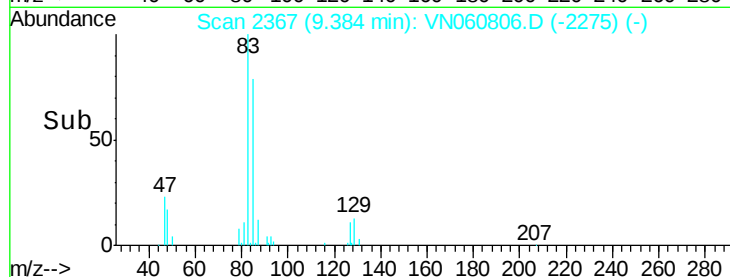
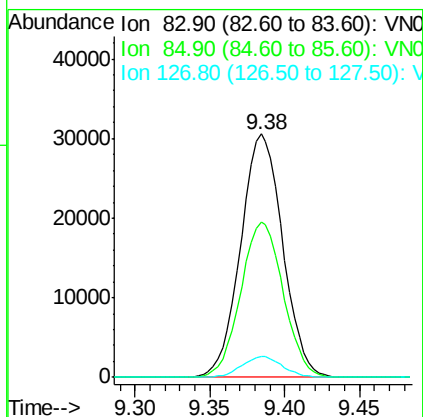
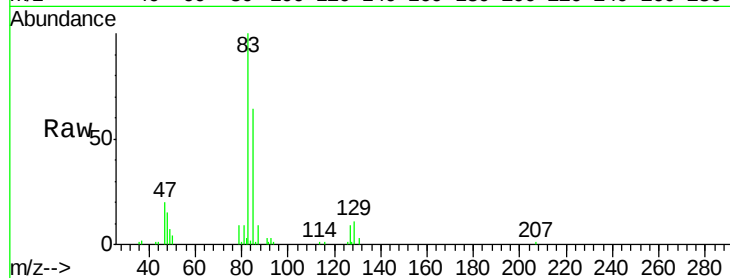
ClientSampled :

VN0401WBS01

Tot Ion:	83	Resp:	59738
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.8	77.6
127	8.7	6.5	9.7

Manual Integrations
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MMDadoda
4/2/2020 10:13:48 AM



#48

Methyl methacrylate

Concen: 17.776 ug/l

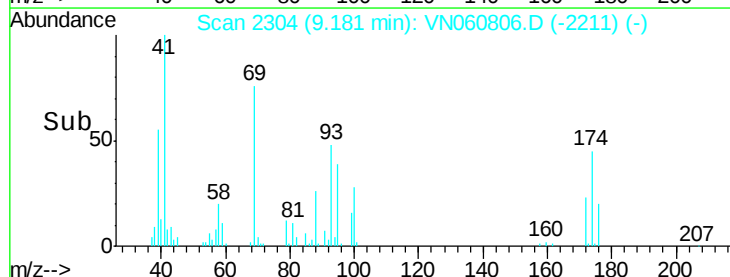
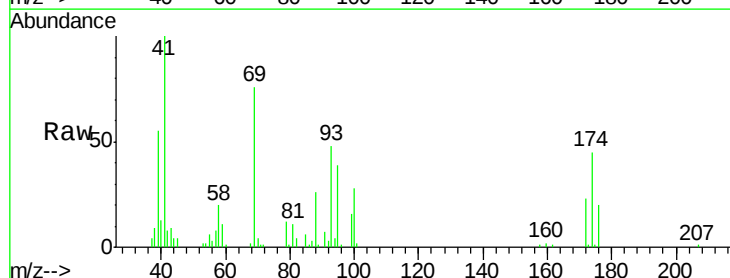
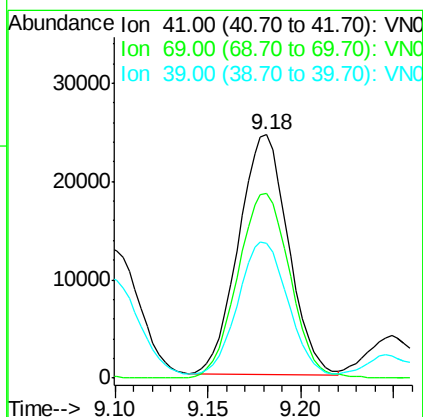
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Tgt Ion:	41	Resp:	45479
Ion Ratio	Lower	Upper	
41	100		
69	80.9	65.4	98.0
39	55.5	44.0	66.0





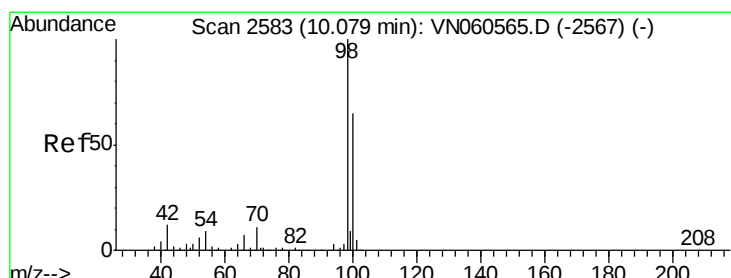
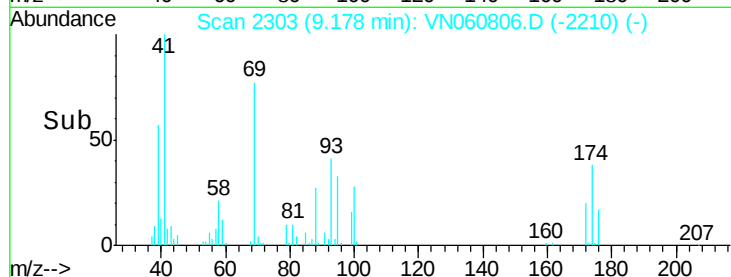
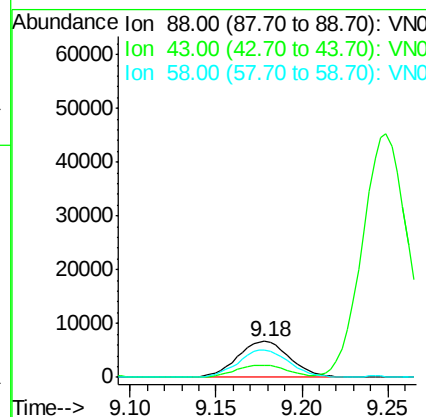
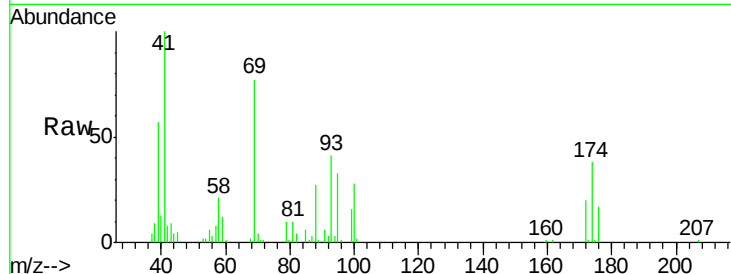
#49
1,4-Dioxane
Concen: 459.751 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	88	Resp	13981
Ion	Ratio	Lower	Upper
88	100		
43	34.9	30.8	46.2
58	74.9	59.8	89.8

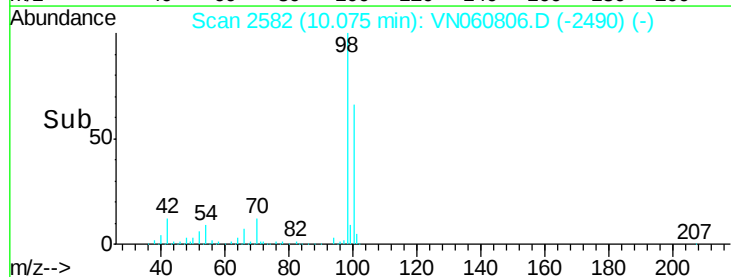
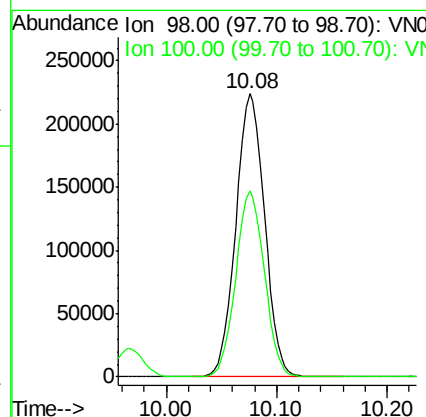
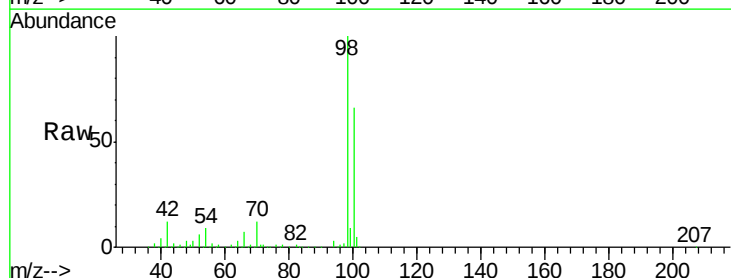
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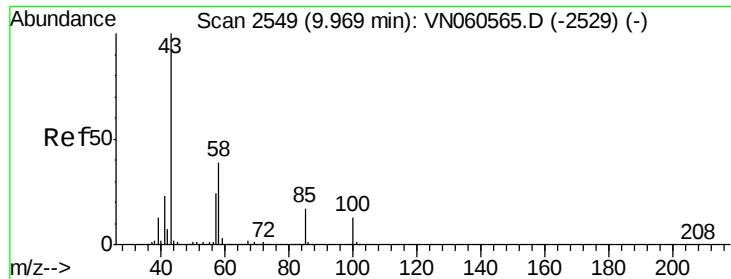
MMDadoda
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#50
Toluene-d8
Concen: 49.206 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	98	Resp	404719
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





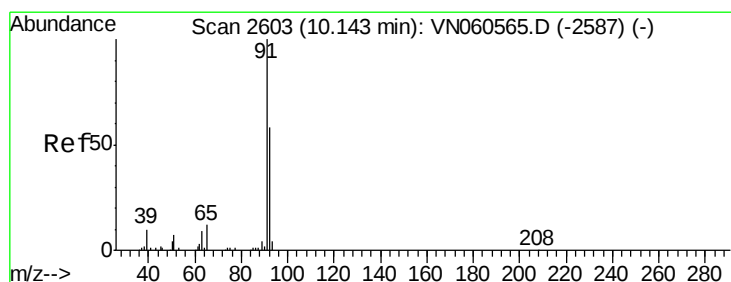
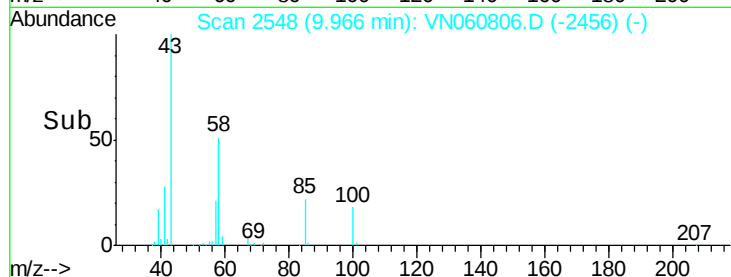
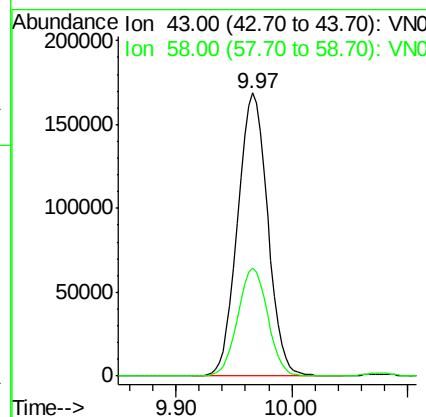
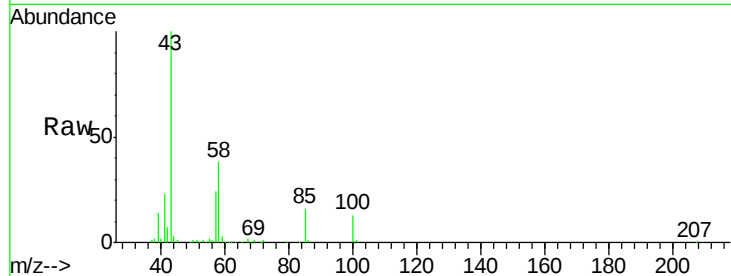
#51
4-Methyl-2-Pentanone
Concen: 92.404 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

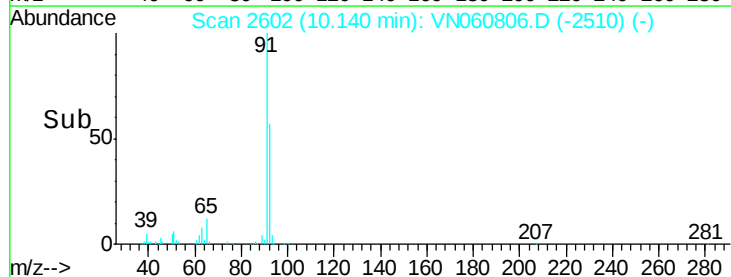
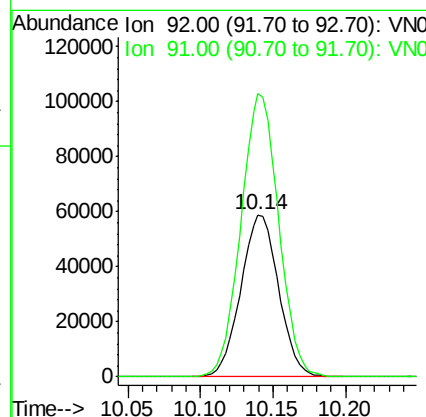
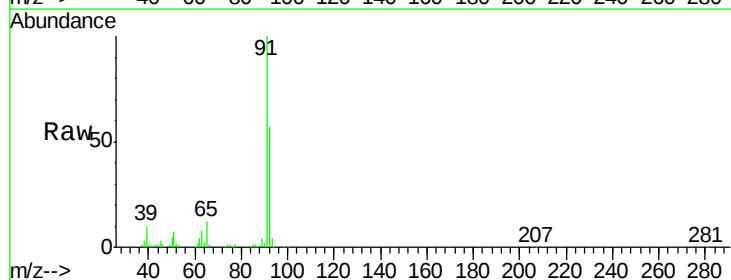
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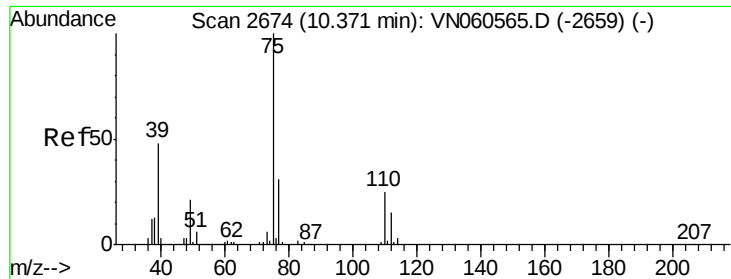
MMDadoda
4/2/2020 10:13:48 AM



#52
Toluene
Concen: 18.176 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.3	137.6	206.4





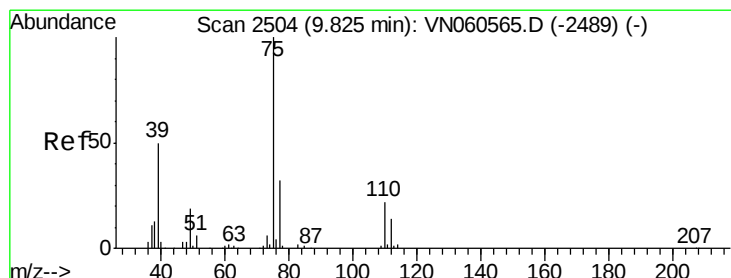
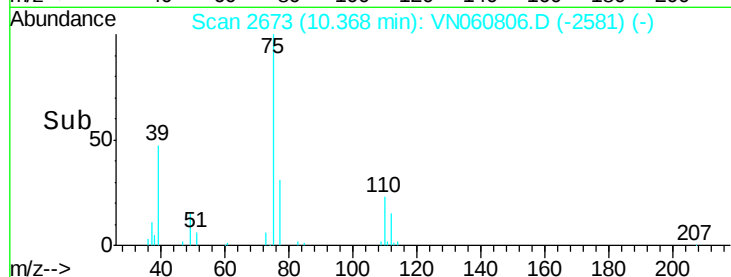
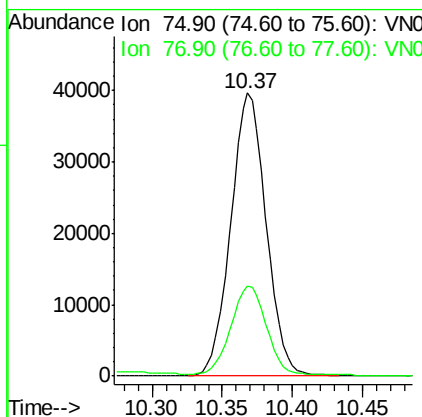
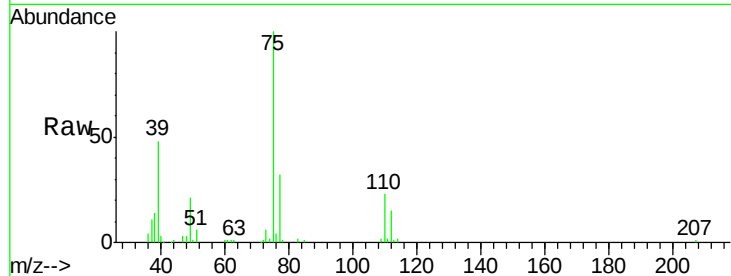
#53
t-1,3-Dichloropropene
Concen: 18.766 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion: 75 Resp: 69561
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

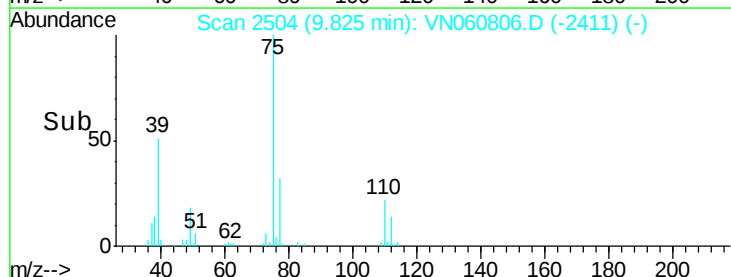
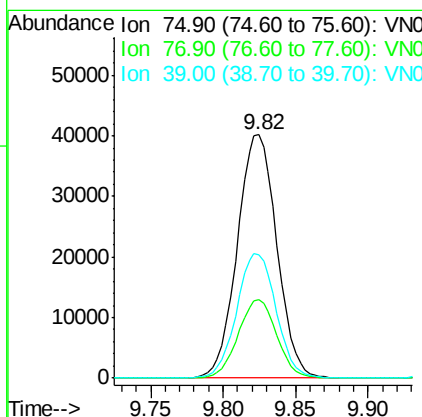
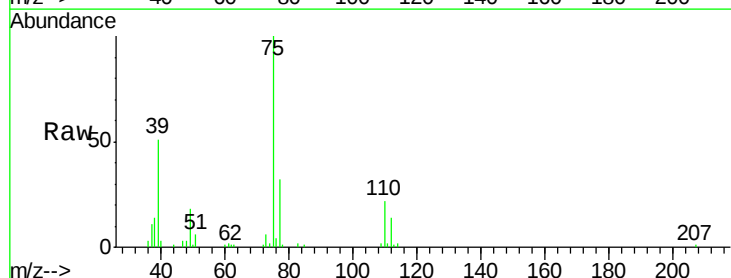
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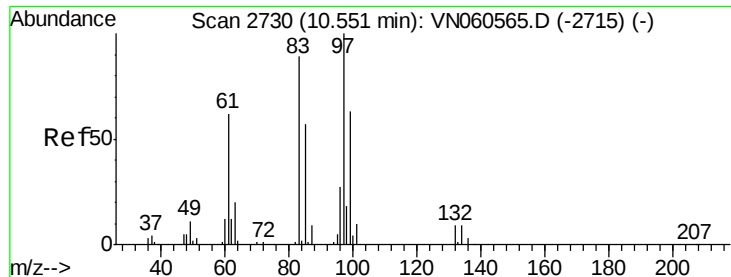
MMDadoda
4/2/2020 10:13:48 AM



#54
cis-1,3-Dichloropropene
Concen: 18.701 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion: 75 Resp: 76047
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0
39 50.6 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 18.365 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion: 97 Resp: 41536

Ion Ratio Lower Upper

97 100

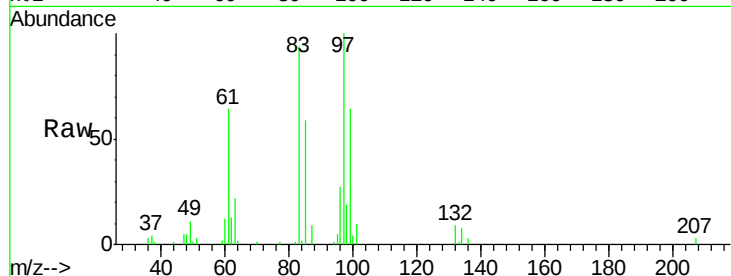
83 93.7 71.3 106.9

85 59.4 45.2 67.8

99 64.2 50.1 75.1

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MMDadoda
4/2/2020 10:13:48 AM

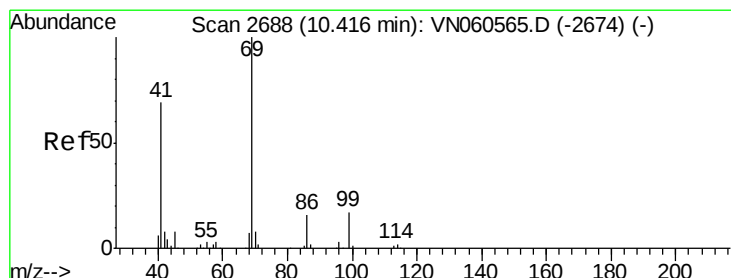
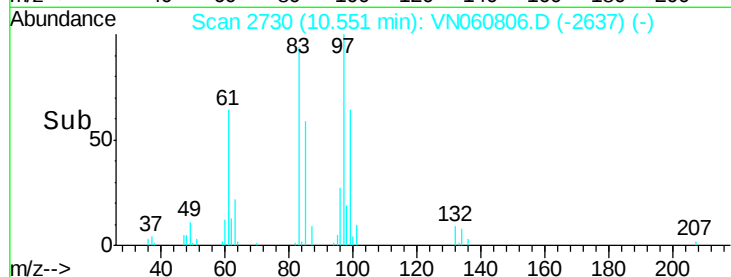
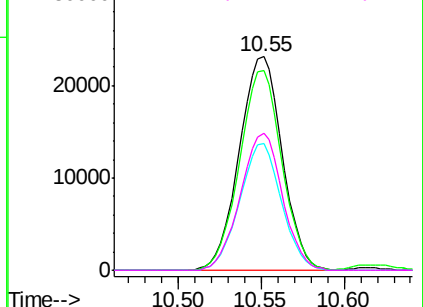


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.199 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

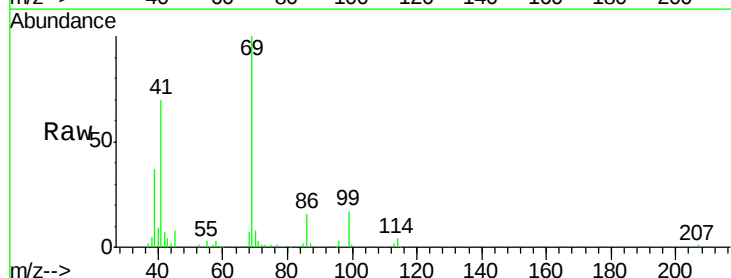
Tgt Ion: 69 Resp: 64181

Ion Ratio Lower Upper

69 100

41 69.0 55.4 83.2

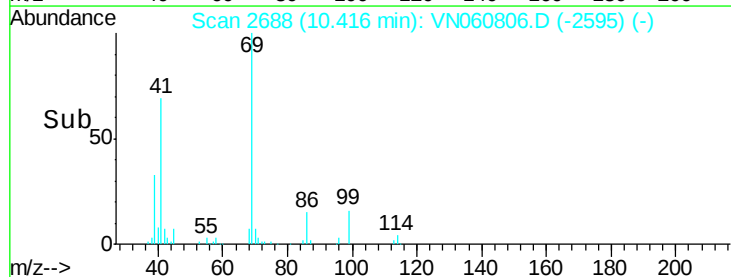
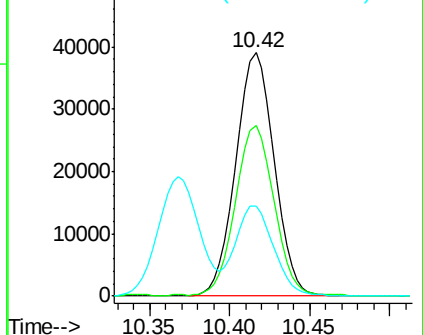
39 37.0 29.4 44.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





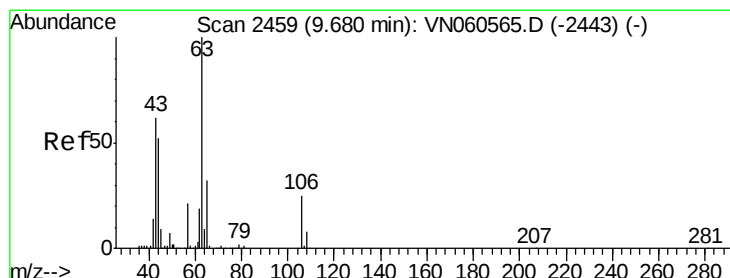
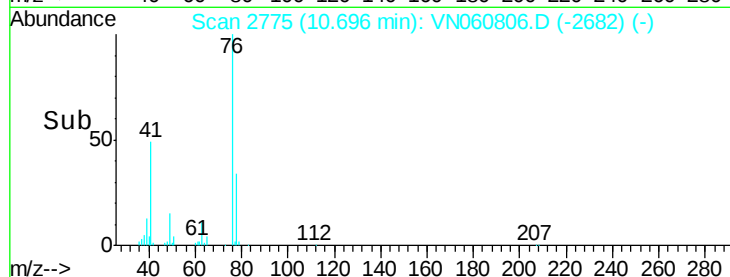
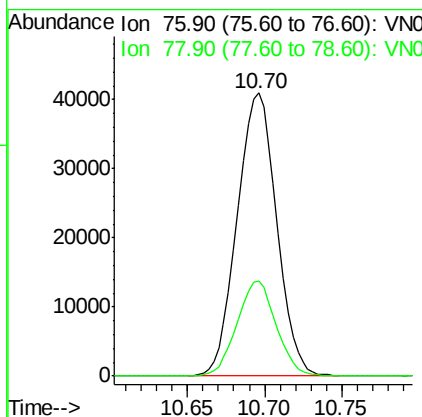
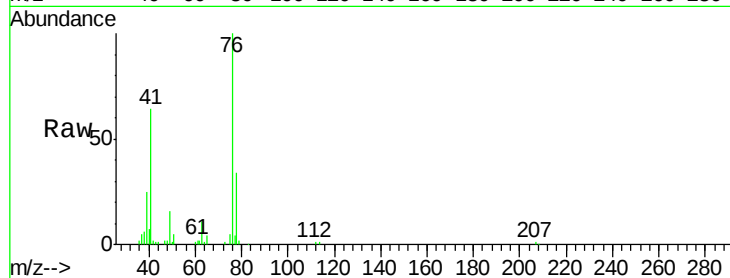
#57
 1,3-Dichloropropane
 Concen: 18.584 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.6

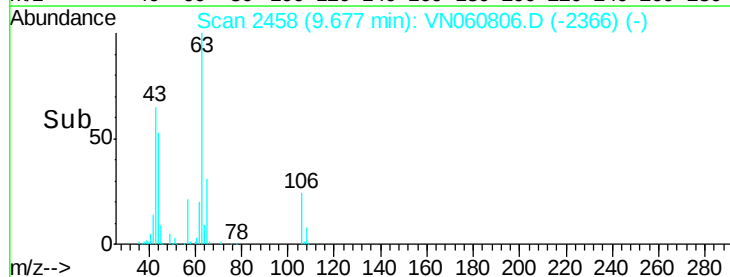
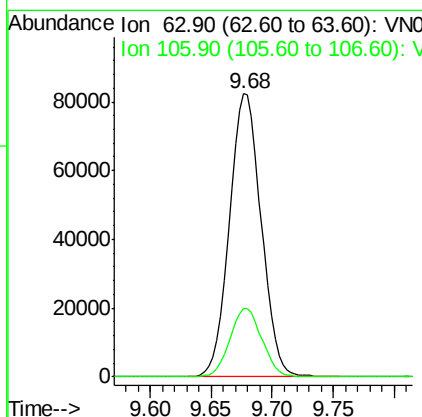
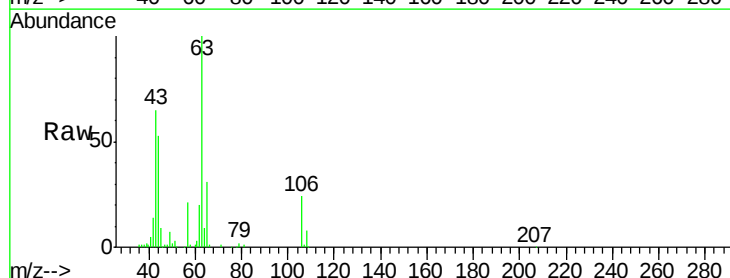
Manual Integrations
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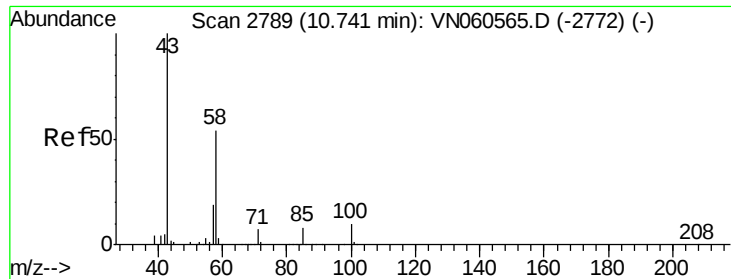
MMDadoda
 4/2/2020 10:13:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.240 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	20.0	30.0





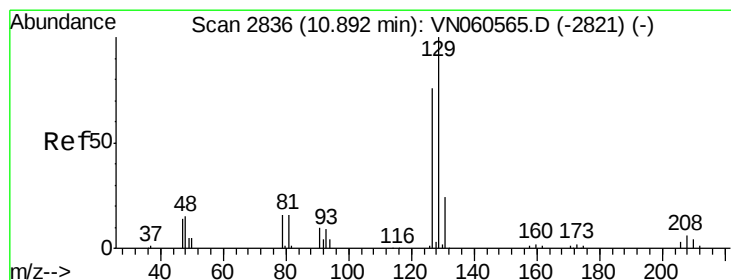
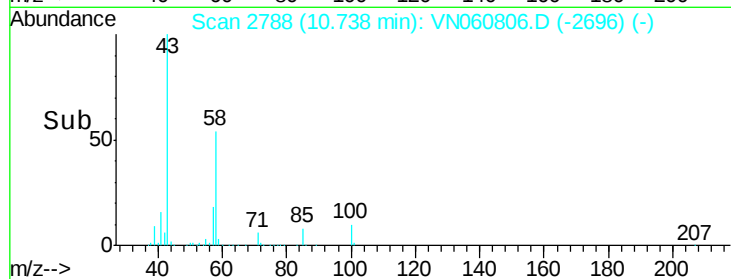
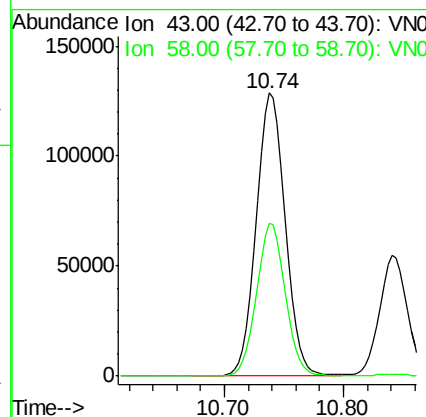
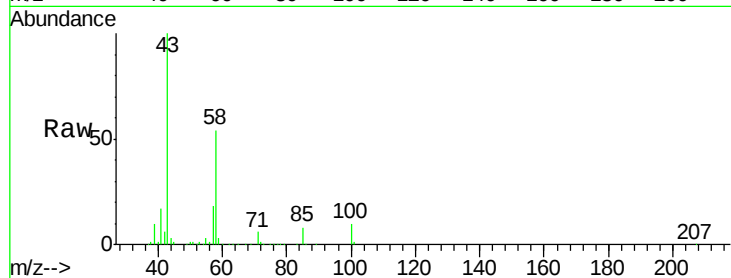
#59
2-Hexanone
Concen: 92.363 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion: 43 Resp: 217560
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1

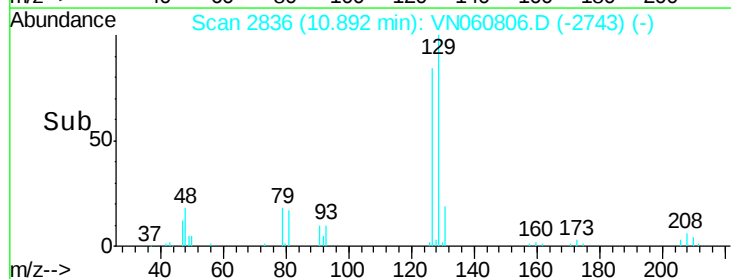
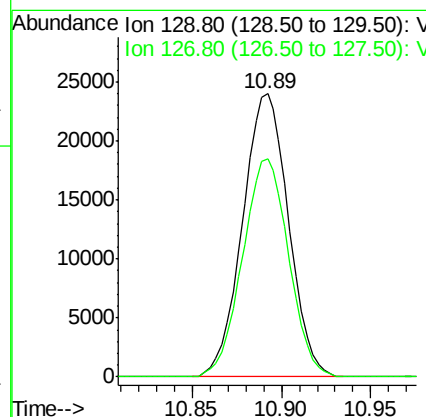
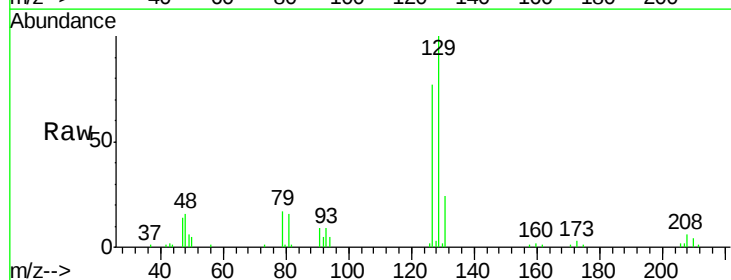
Manual Integrations
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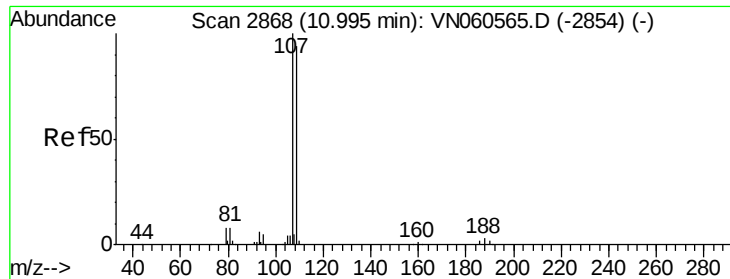
MMDadoda
4/2/2020 10:13:48 AM



#60
Dibromochloromethane
Concen: 18.463 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion: 129 Resp: 43134
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





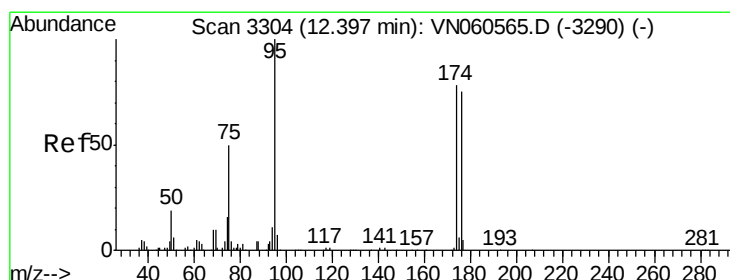
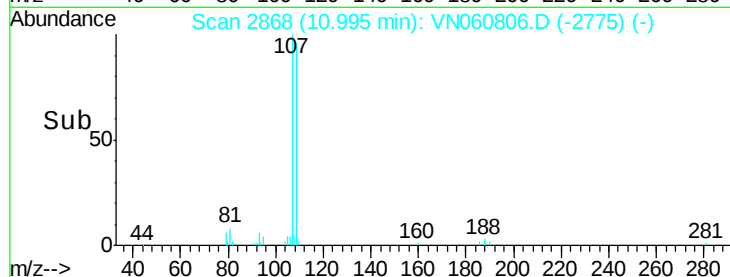
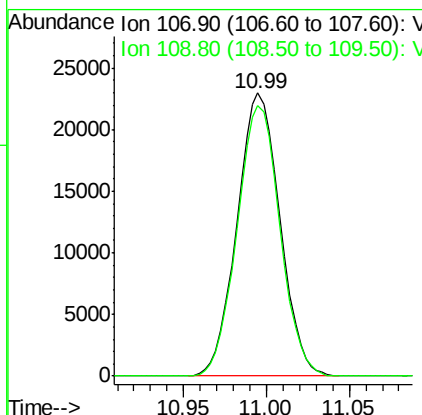
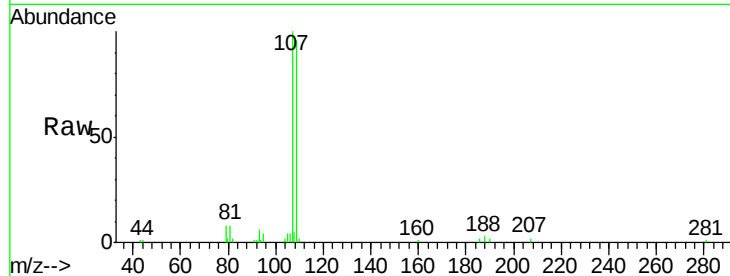
#61
 1,2-Dibromoethane
 Concen: 18.136 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.4	113.2

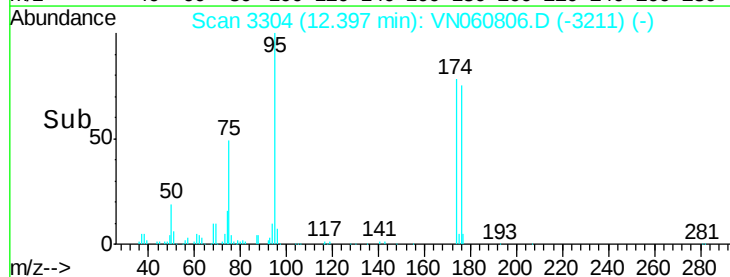
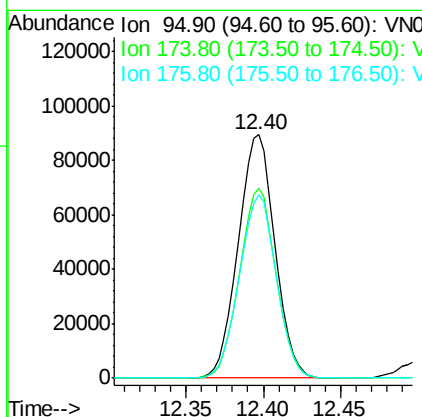
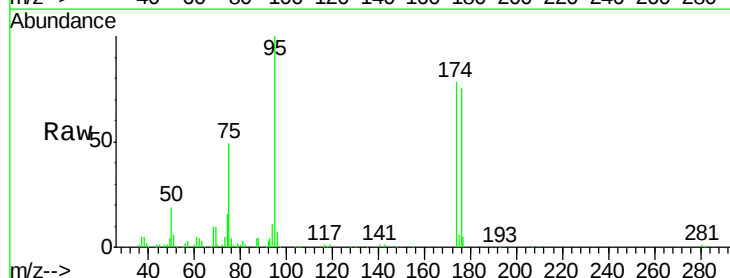
Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:48 AM



#62
 4-Bromofluorobenzene
 Concen: 48.977 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	157.6
176	75.8	0.0	150.6





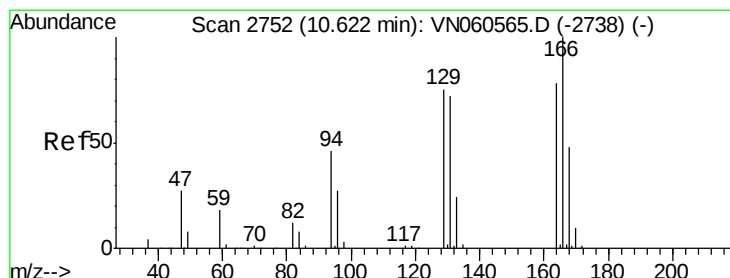
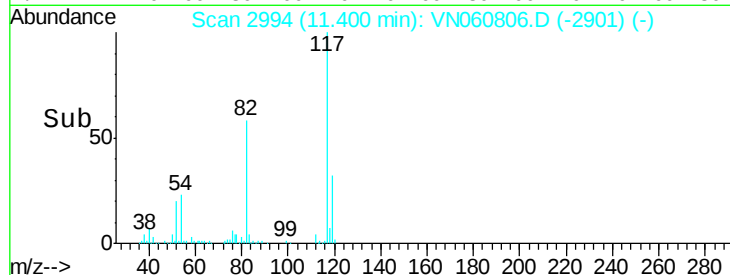
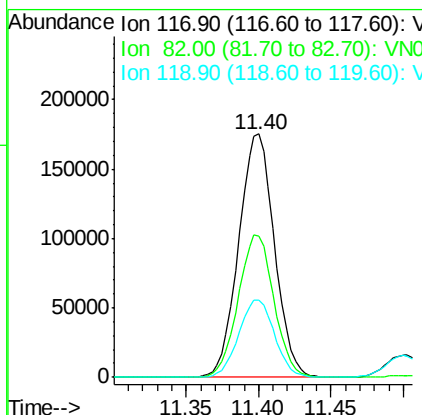
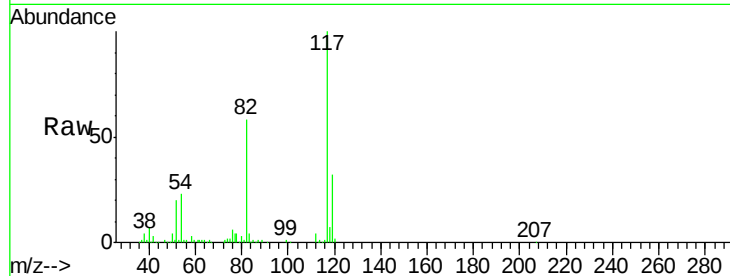
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.7	70.1
119	32.0	25.5	38.3

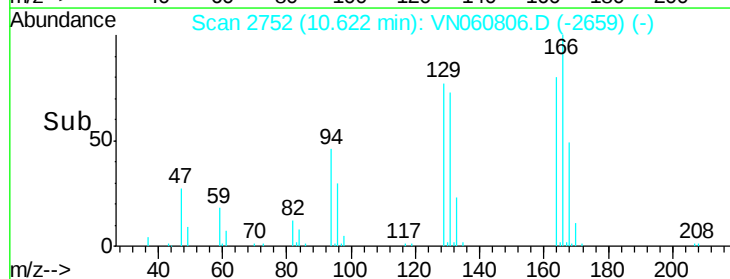
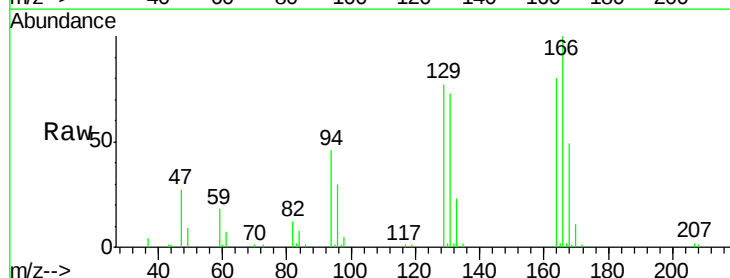
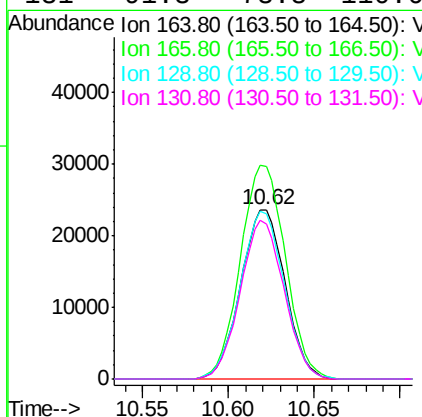
Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:13:48 AM



#64
Tetrachloroethene
Concen: 17.927 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.7	154.1
129	97.4	77.2	115.8
131	91.3	73.8	110.6





#65

Chlorobenzene

Concen: 18.267 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion:112 Resp: 108836

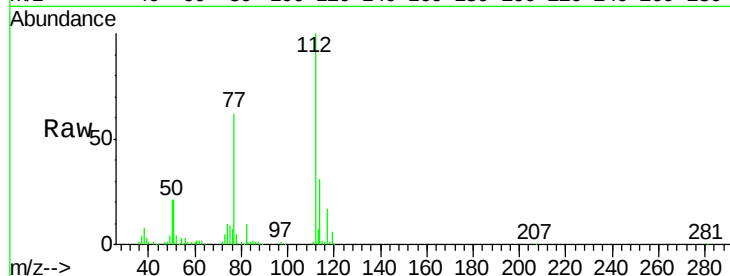
Ion Ratio Lower Upper

112 100

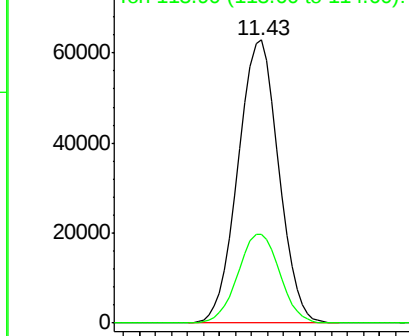
114 31.3 25.8 38.6

Manual Integrations
APPROVED

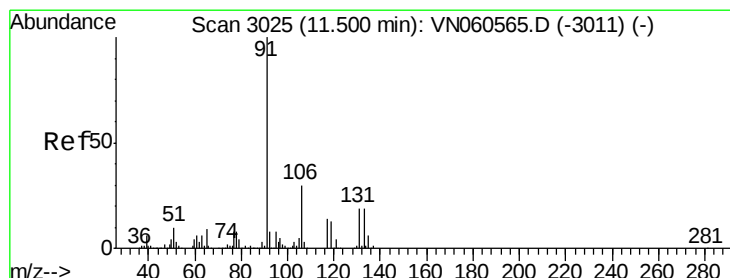
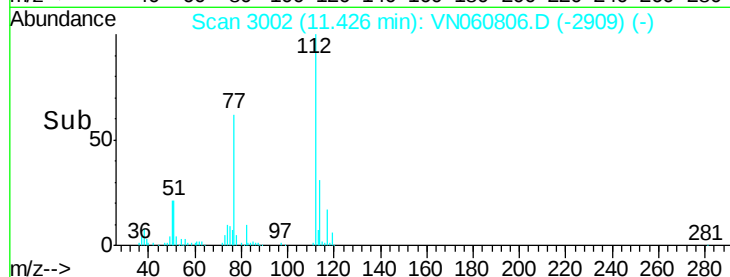
MMDadoda
4/2/2020 10:13:48 AM



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.763 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

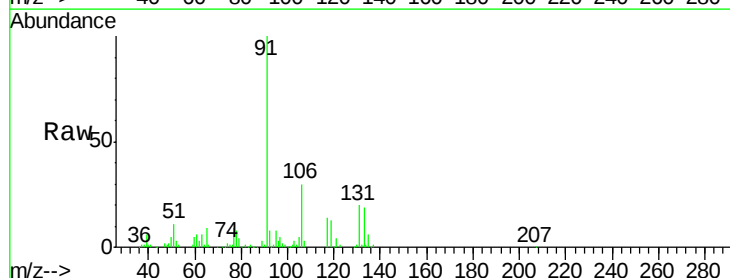
Tgt Ion:131 Resp: 40476

Ion Ratio Lower Upper

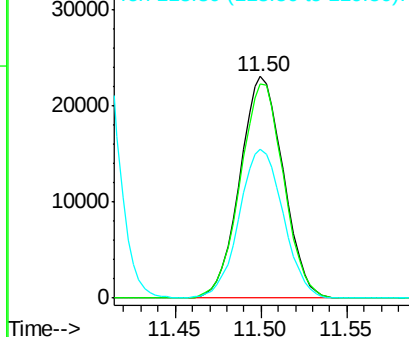
131 100

133 96.6 48.9 146.8

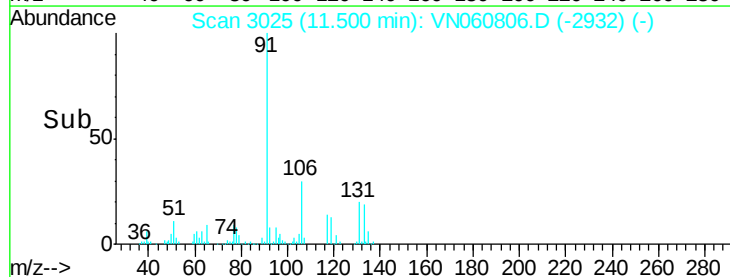
119 68.2 33.9 101.7



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



Time-->





#67

Ethyl Benzene

Concen: 18.610 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion: 91 Resp: 206199

Ion Ratio Lower Upper

91 100

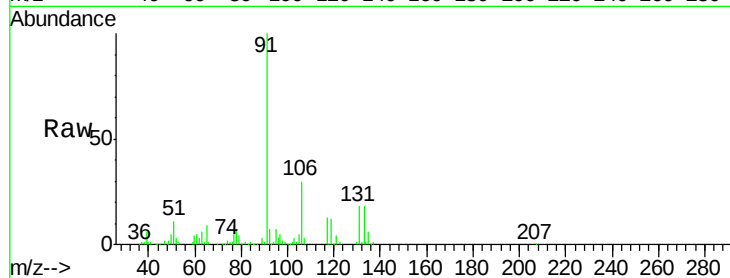
106 30.3 24.2 36.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060806.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060806.D (-2933) (-)

150000

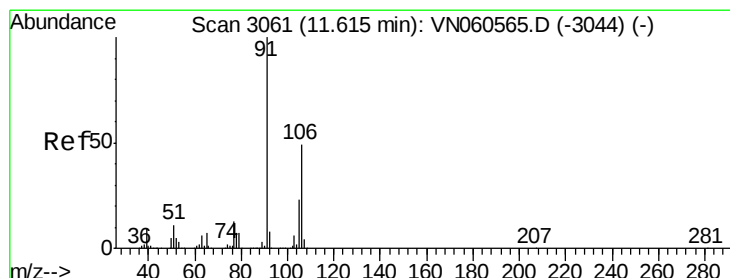
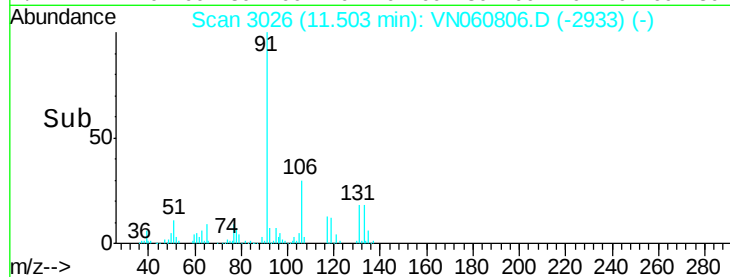
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 36.583 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060806.D

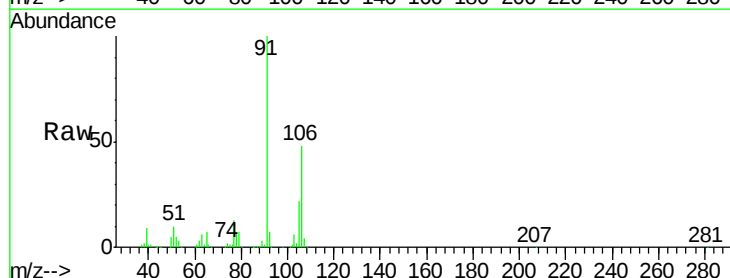
Acq: 1 Apr 2020 13:11

Tgt Ion: 106 Resp: 150627

Ion Ratio Lower Upper

106 100

91 208.5 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060806.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060806.D (-2968) (-)

150000

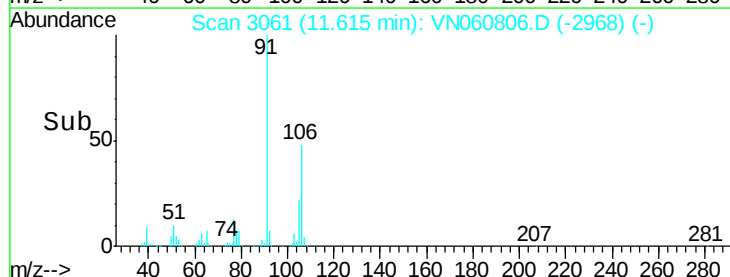
100000

50000

0

11.55 11.60 11.65

Time-->





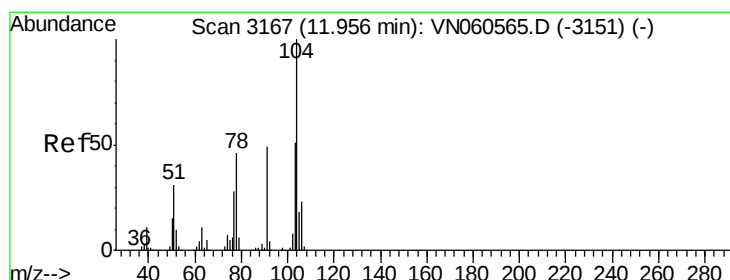
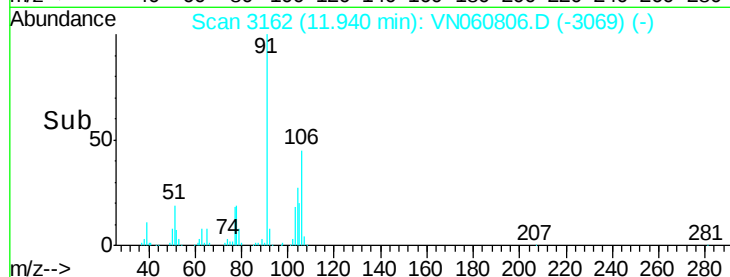
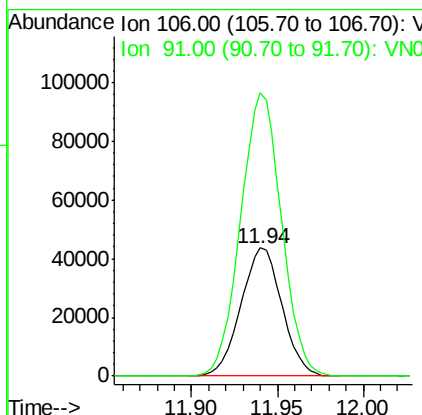
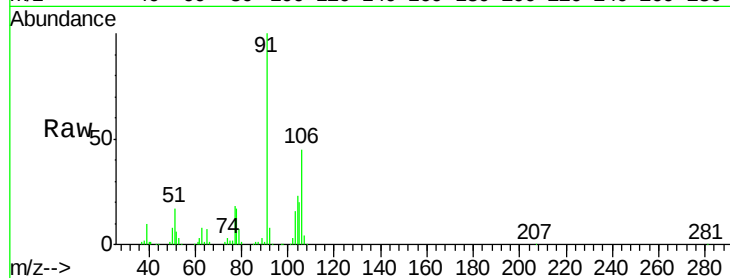
#69
o-Xylene
Concen: 18.417 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0401WBS01

Tot Ion:106 Resp: 72389
Ion Ratio Lower Upper
106 100
91 220.0 109.5 328.4

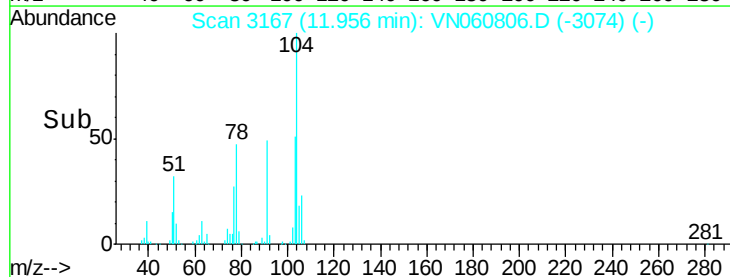
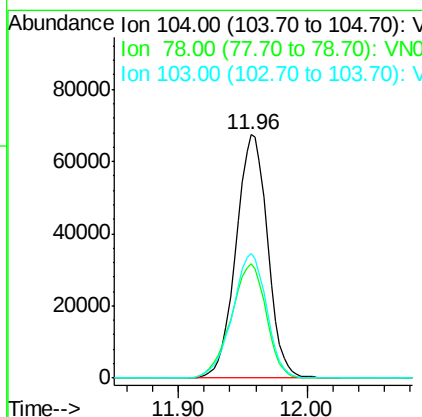
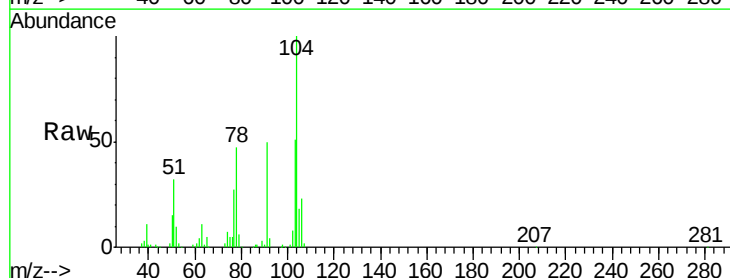
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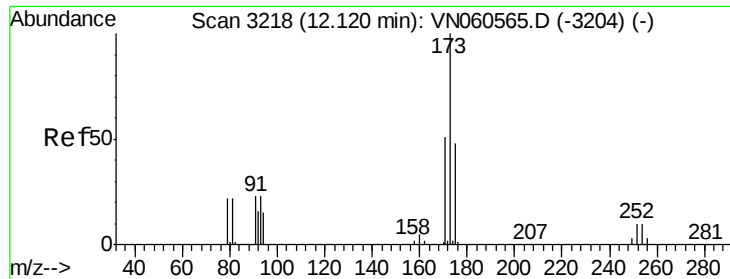
MMDadoda
4/2/2020 10:13:48 AM



#70
Styrene
Concen: 17.890 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion:104 Resp: 115005
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 54.9 44.0 66.0





#71

Bromoform

Concen: 17.742 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion:173 Resp: 29799

Ion Ratio Lower Upper

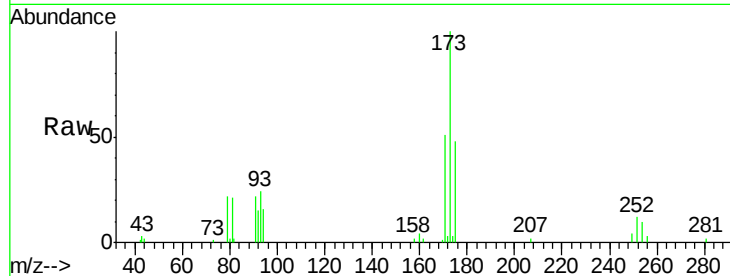
173 100

175 48.2 24.1 72.4

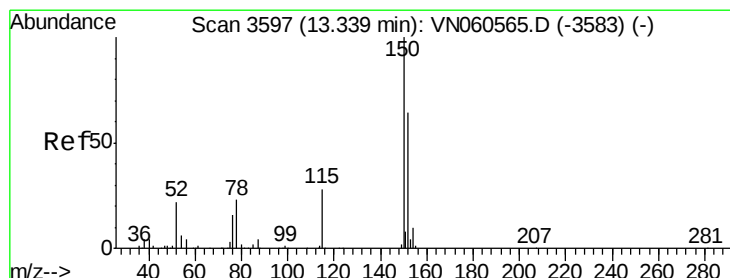
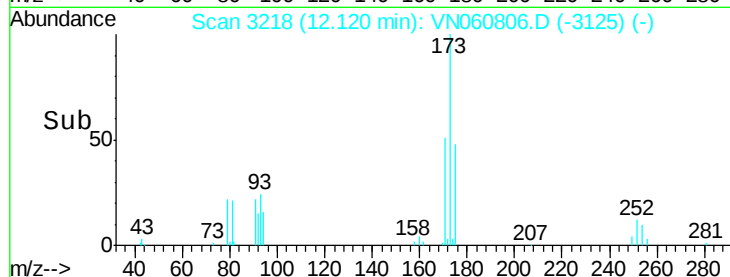
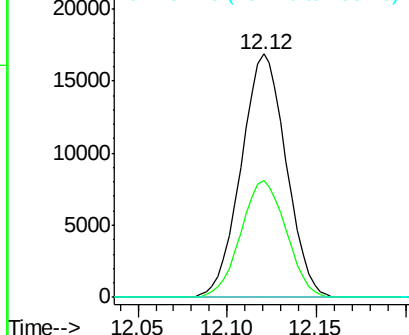
254 0.0 0.0 0.0

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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: VN060806.D

Acq: 1 Apr 2020 13:11

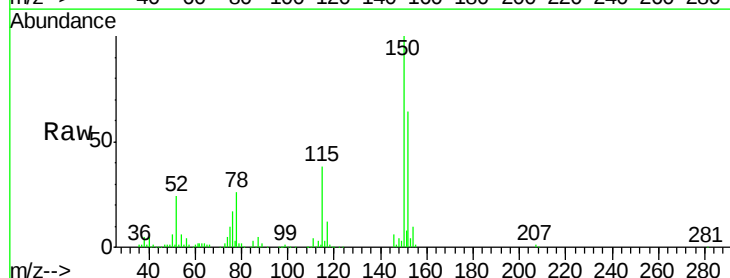
Tgt Ion:152 Resp: 140007

Ion Ratio Lower Upper

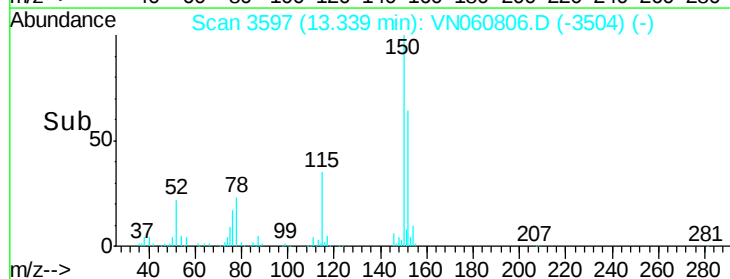
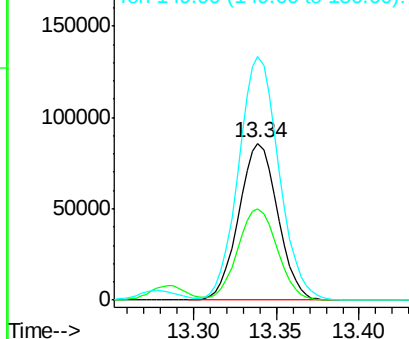
152 100

115 59.6 30.2 90.6

150 161.8 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: 18.642 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion: 105 Resp: 195869

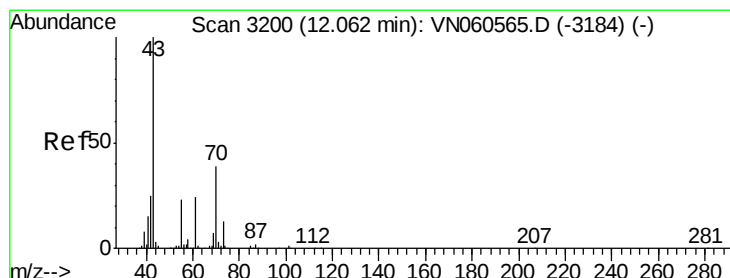
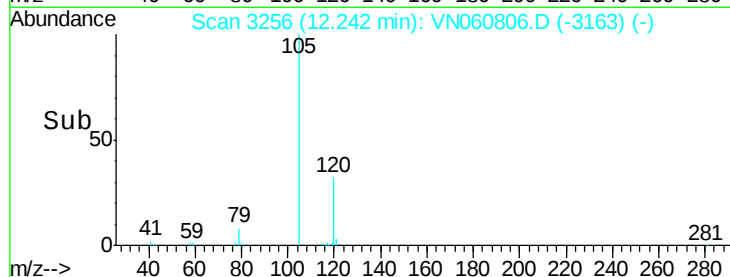
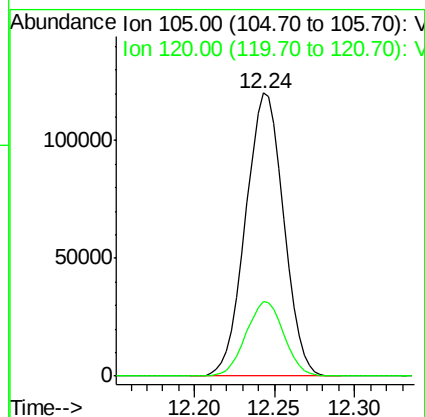
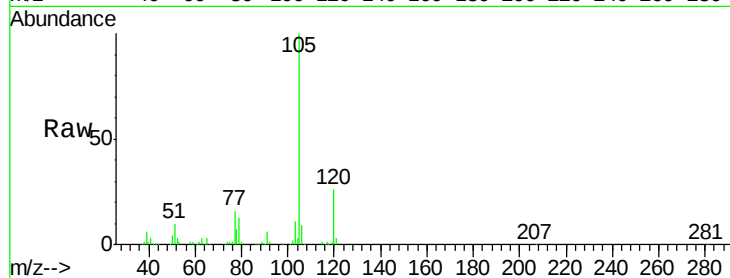
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

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#74

N-ethyl acetate

Concen: 17.591 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Tgt Ion: 43 Resp: 85408

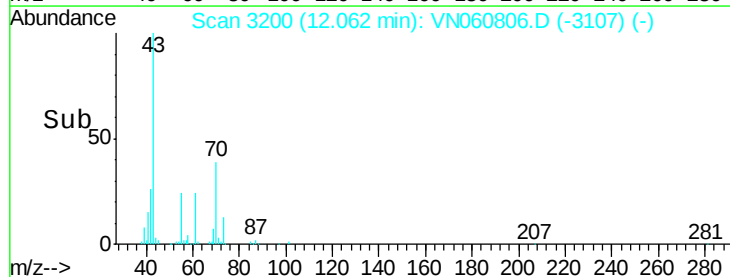
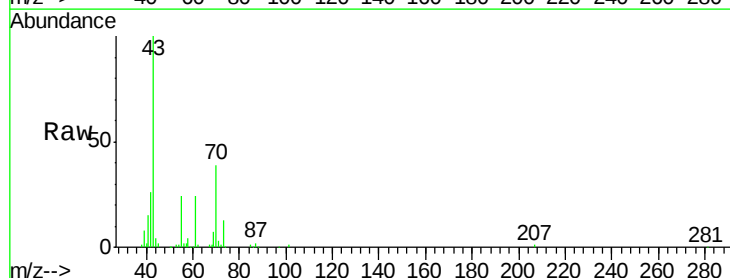
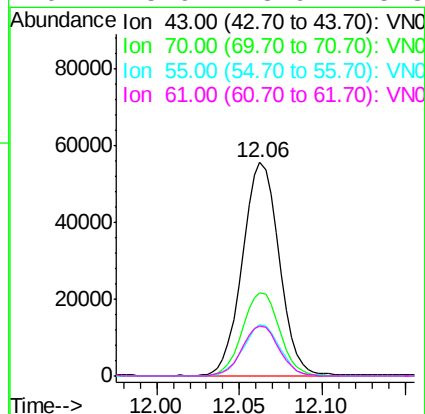
Ion Ratio Lower Upper

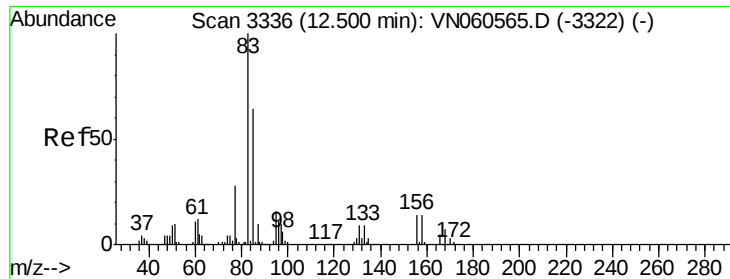
43 100

70 39.5 31.1 46.7

55 24.2 18.6 27.8

61 23.6 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.600 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

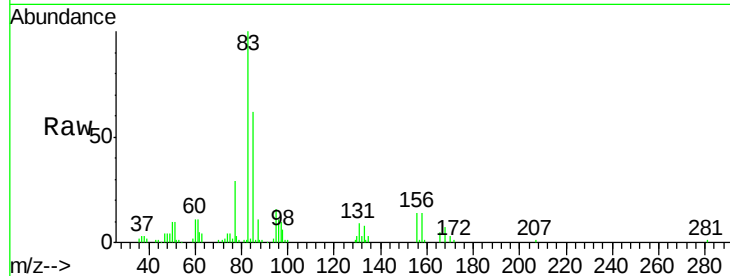
ClientSampled :

VN0401WBS01

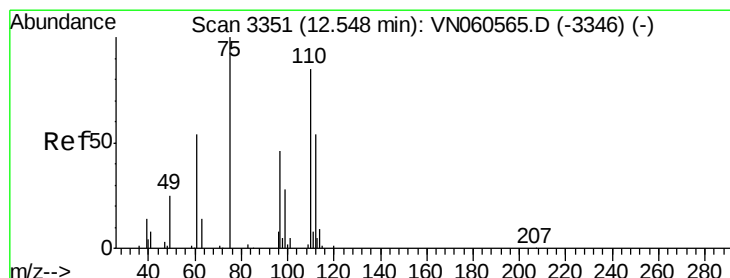
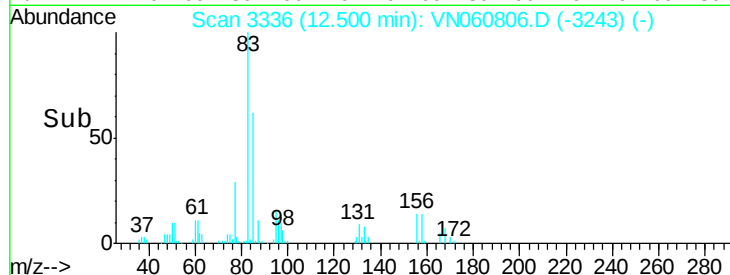
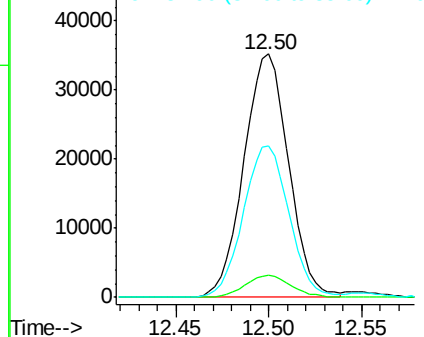
Tot Ion:	83	Resp:	59101
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.9	14.7
85	63.3	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060806.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 17.973 ug/l m

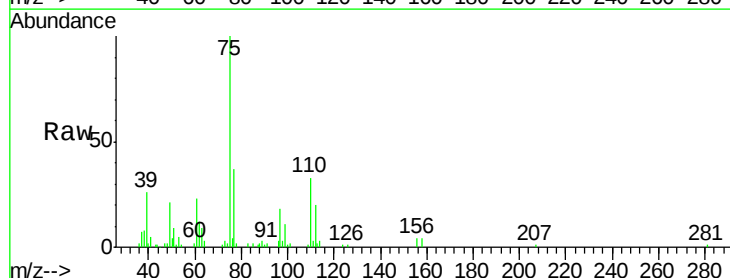
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

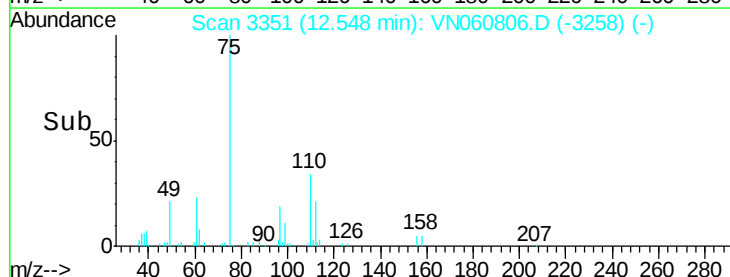
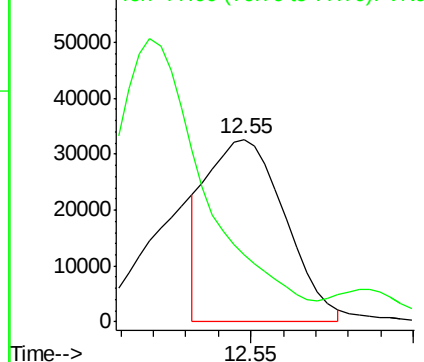
Lab File: VN060806.D

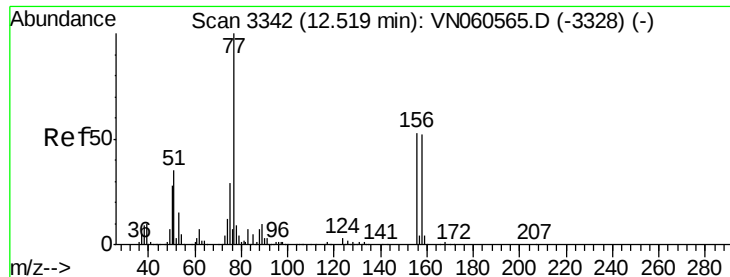
Acq: 1 Apr 2020 13:11

Tgt Ion:	75	Resp:	54298
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060806.D (-3258) (-)





#77

Bromobenzene

Concen: 18.069 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0401WBS01

Tot Ion:156 Resp: 45748

Ion Ratio Lower Upper

156 100

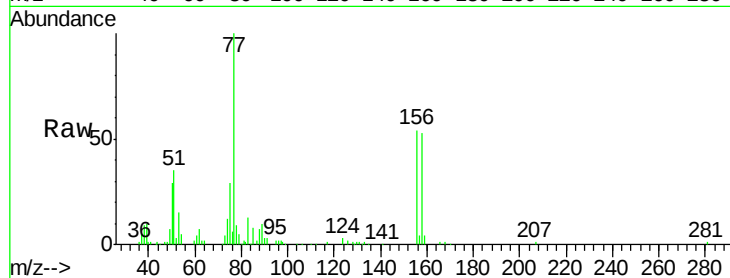
77 224.3 112.3 337.0

158 97.6 48.6 145.8

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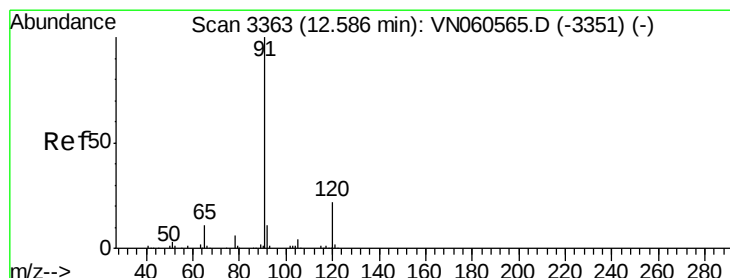
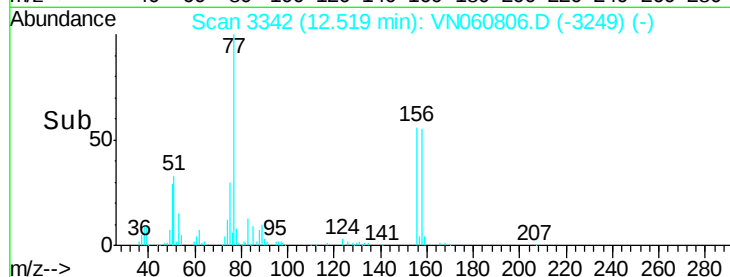
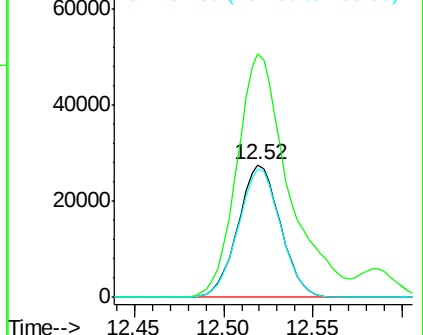
4/2/2020 10:13:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.480 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060806.D

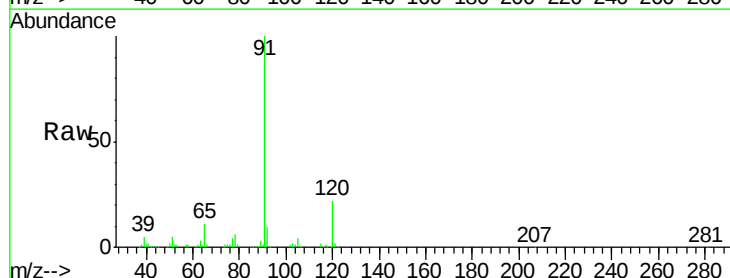
Acq: 1 Apr 2020 13:11

Tgt Ion: 91 Resp: 229399

Ion Ratio Lower Upper

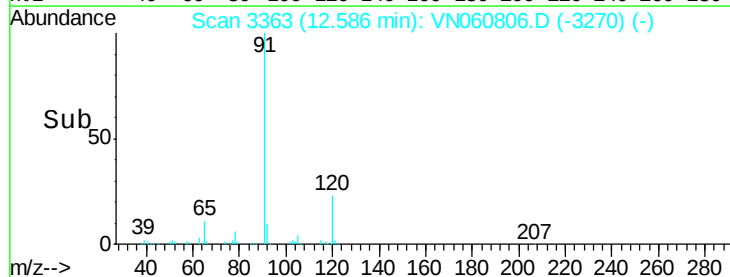
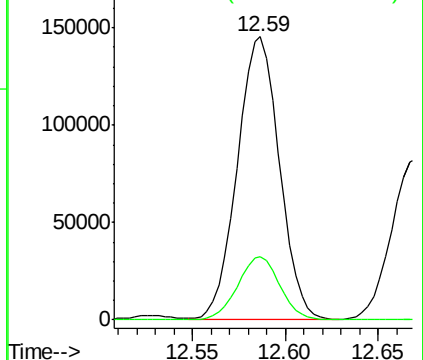
91 100

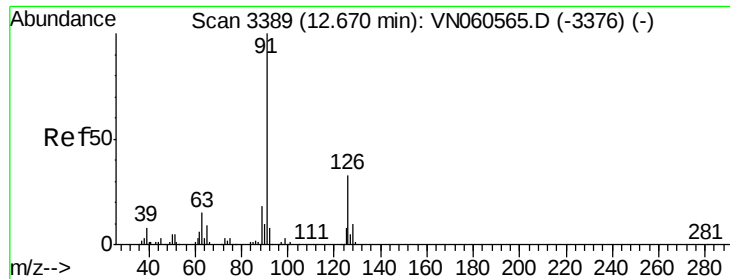
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





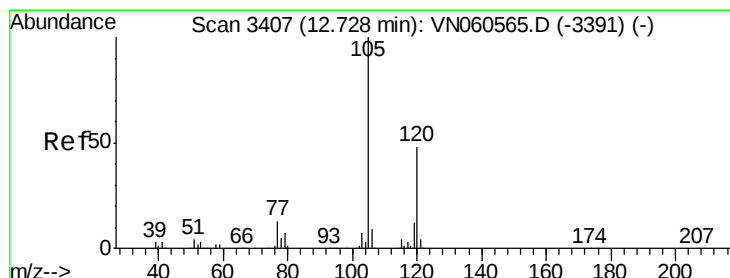
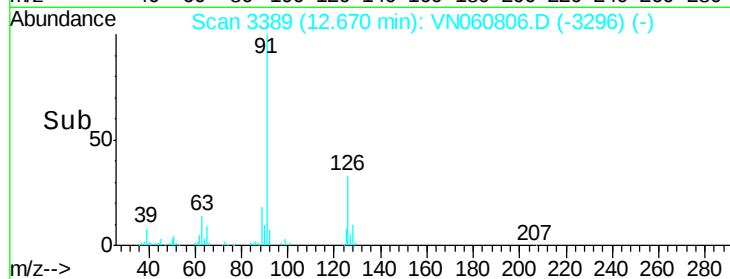
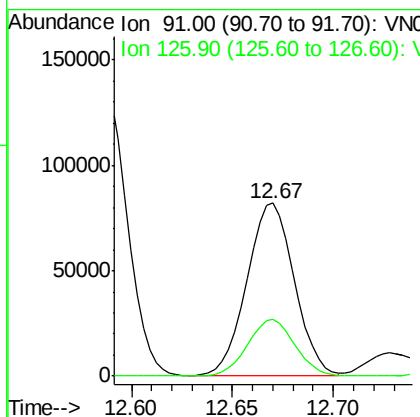
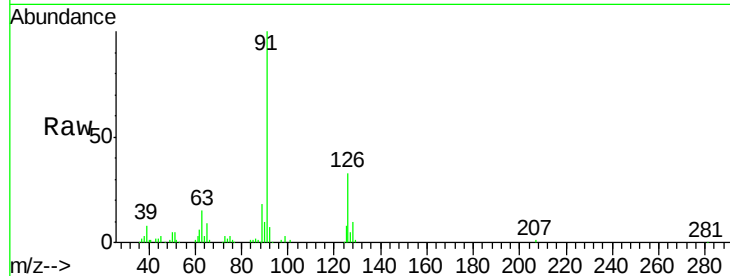
#79
 2-Chlorotoluene
 Concen: 18.196 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBS01

Tot Ion: 91 Resp: 134961
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.4 49.1

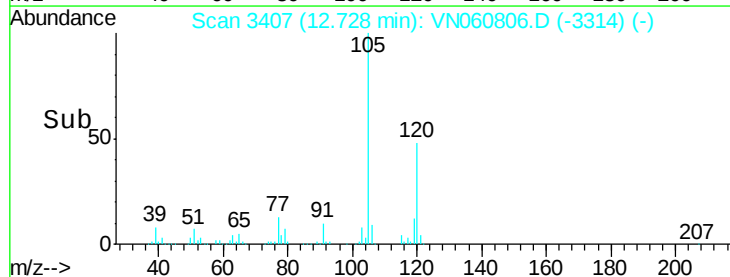
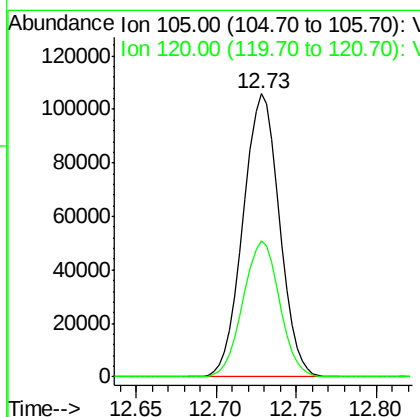
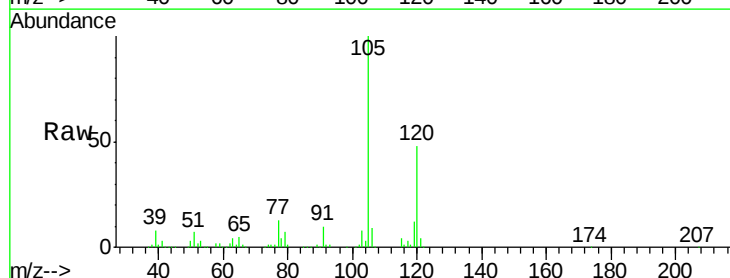
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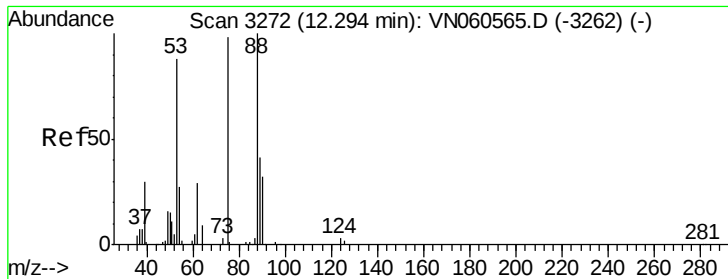
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.399 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion: 105 Resp: 164051
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.878 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBS01

Tot Ion: 75 Resp: 21030

Ion Ratio Lower Upper

75 100

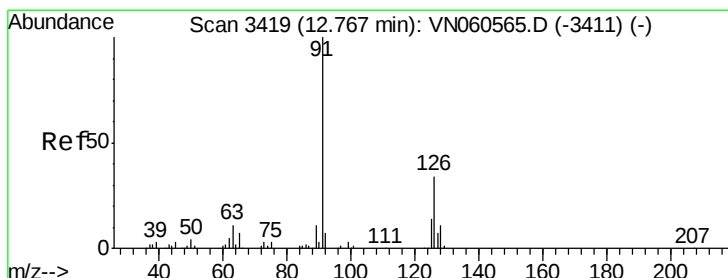
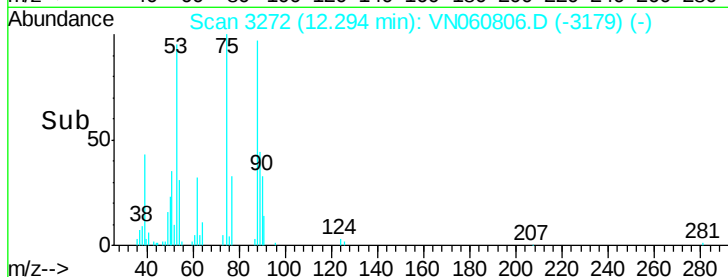
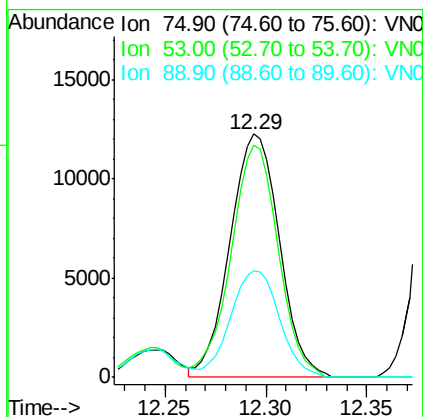
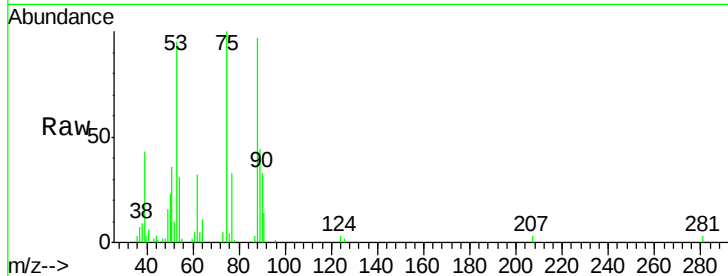
53 91.3 73.0 109.4

89 43.7 34.8 52.2

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#82

4-Chlorotoluene

Concen: 18.302 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060806.D

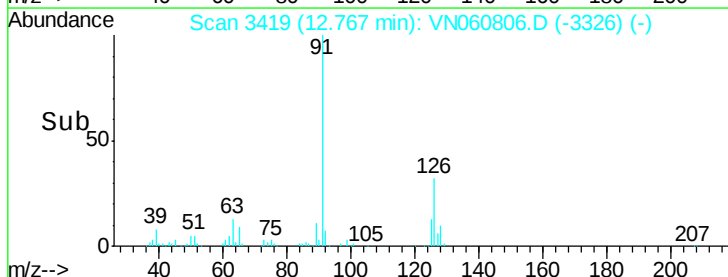
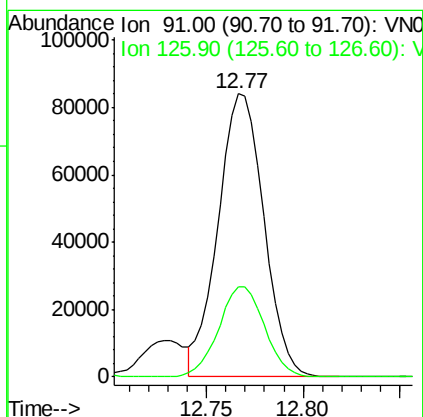
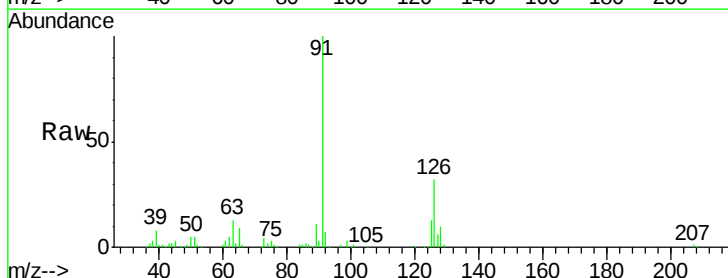
Acq: 1 Apr 2020 13:11

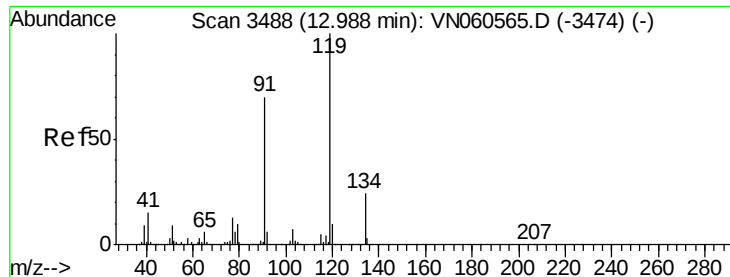
Tgt Ion: 91 Resp: 138253

Ion Ratio Lower Upper

91 100

126 32.0 16.2 48.5





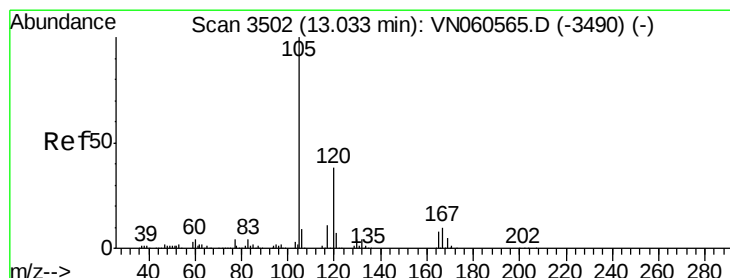
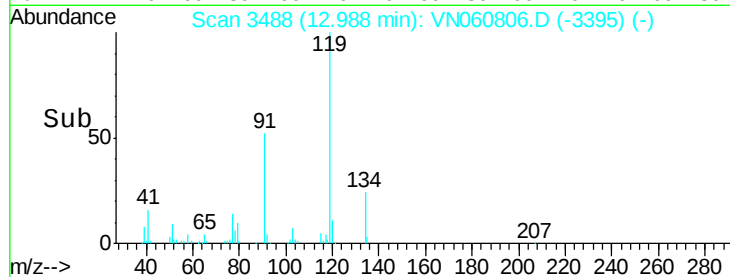
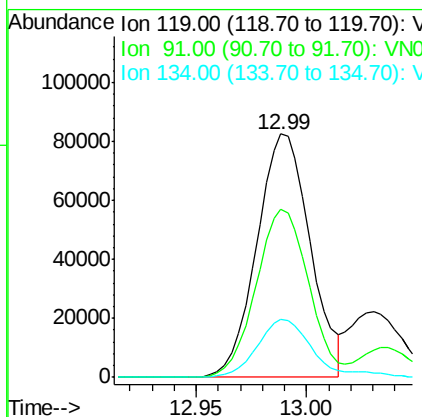
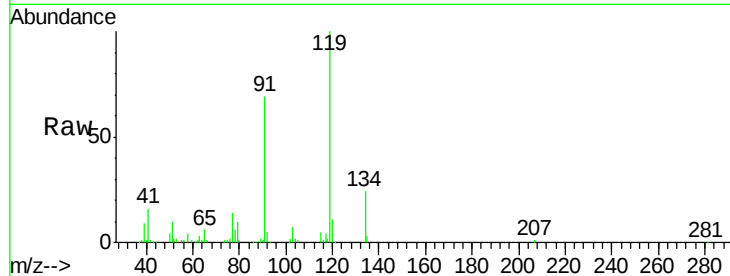
#83
 tert-Butylbenzene
 Concen: 18.797 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	24.6	12.7	38.0

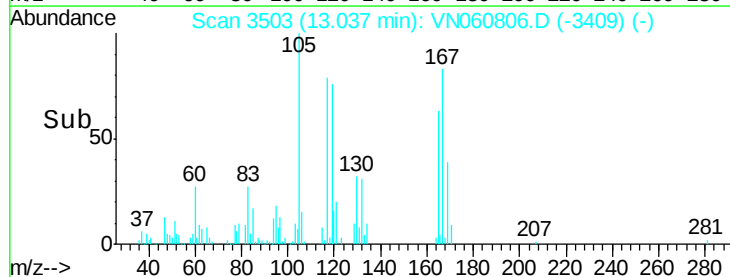
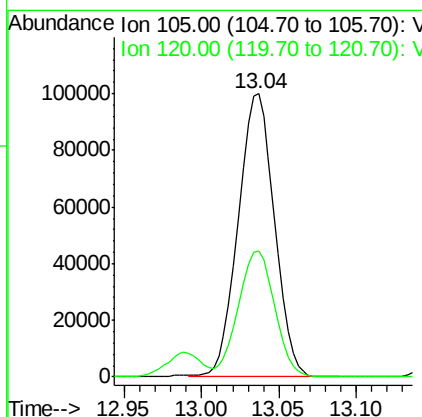
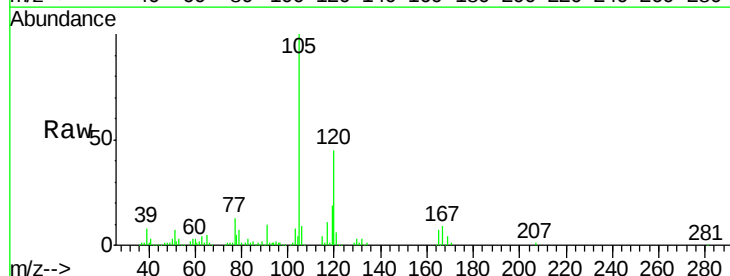
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.488 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





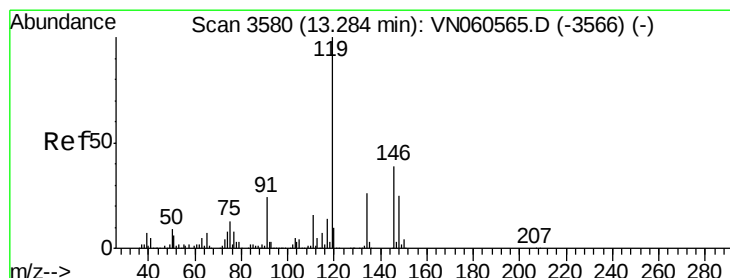
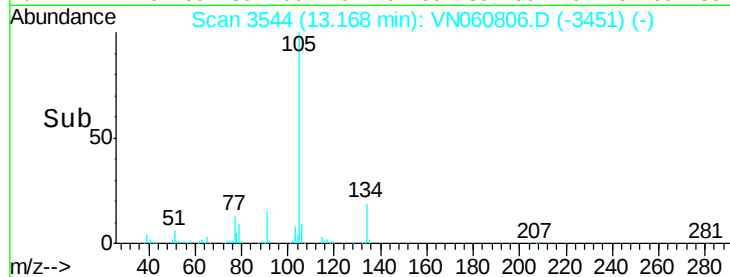
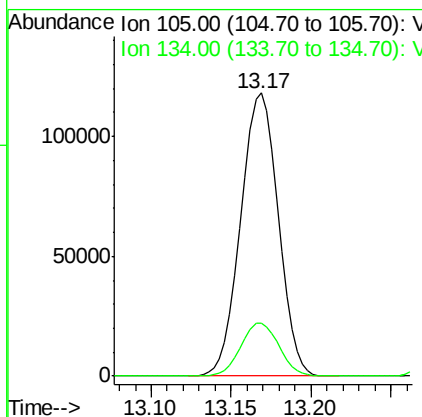
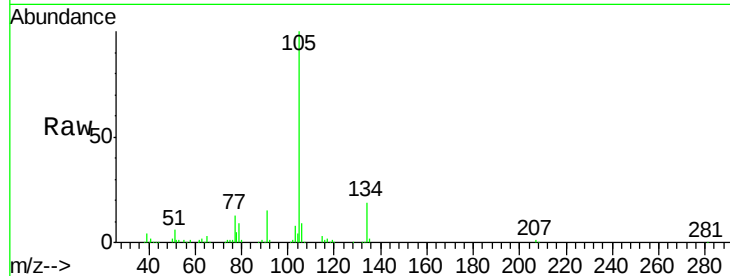
#85
 sec-Butylbenzene
 Concen: 19.018 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.8

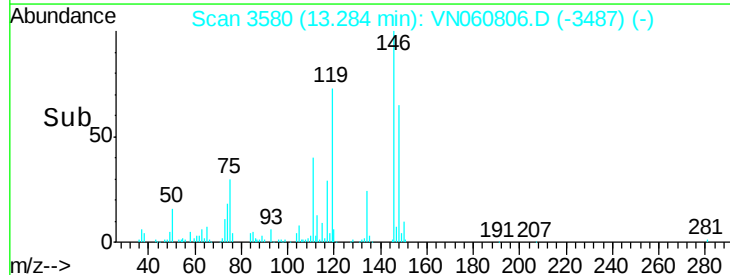
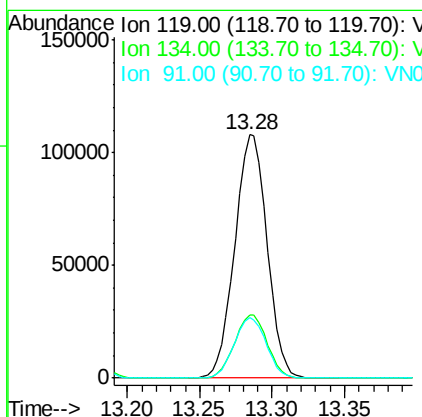
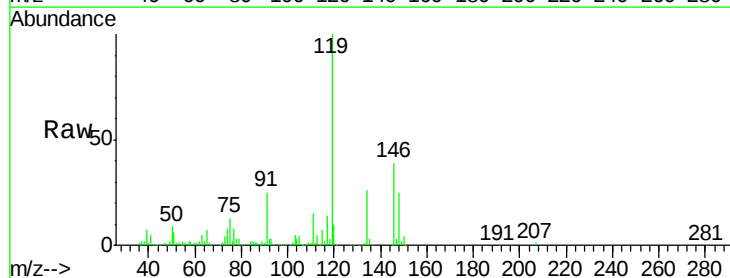
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#86
 p-Isopropyltoluene
 Concen: 18.699 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	24.8	12.0	36.0





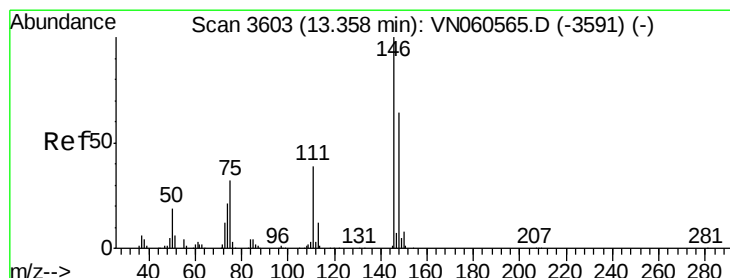
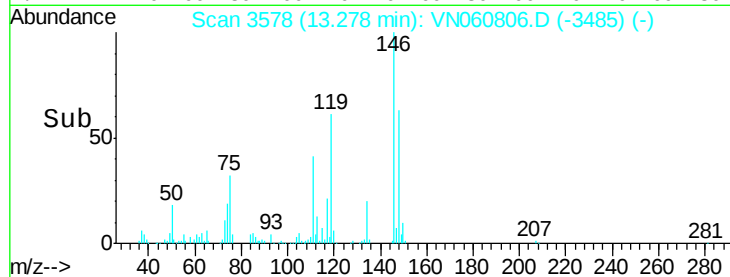
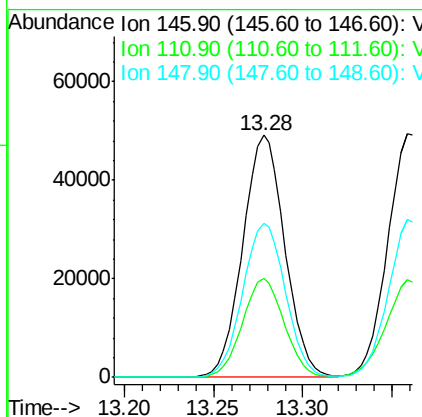
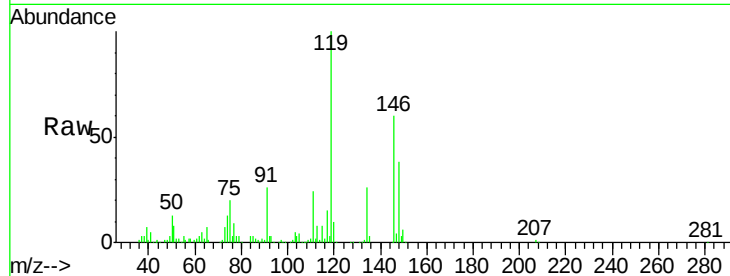
#87
 1,3-Dichlorobenzene
 Concen: 18.169 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.7	32.5	97.4

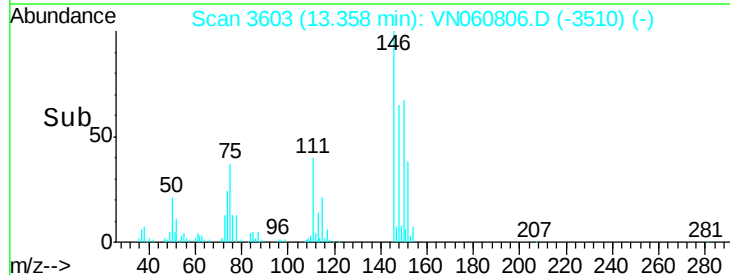
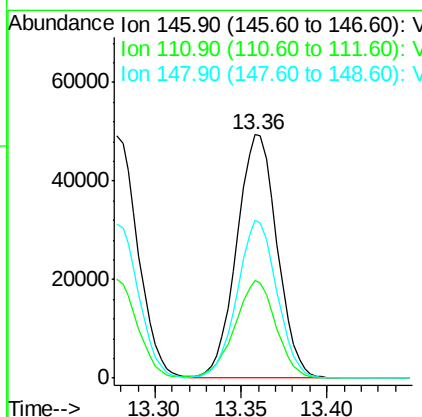
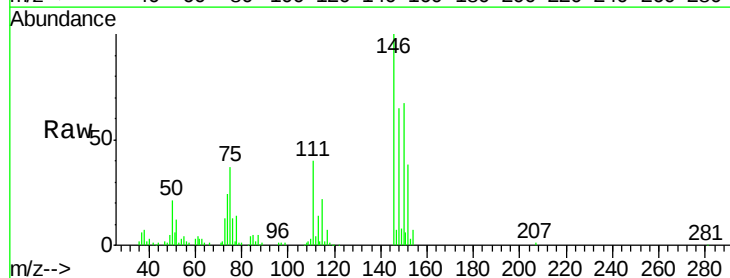
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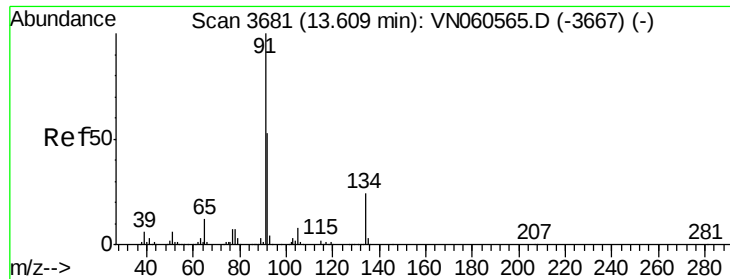
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#88
 1,4-Dichlorobenzene
 Concen: 18.002 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.7
148	63.8	32.1	96.3





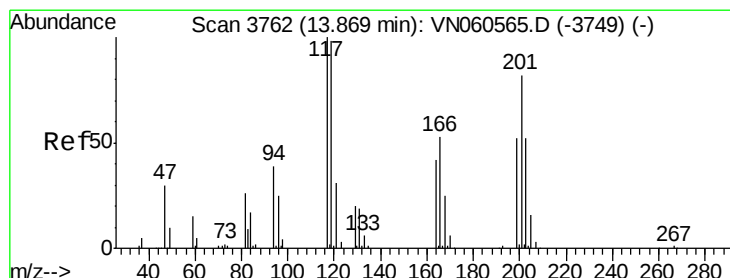
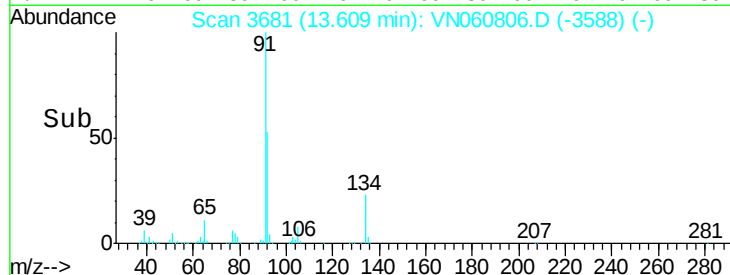
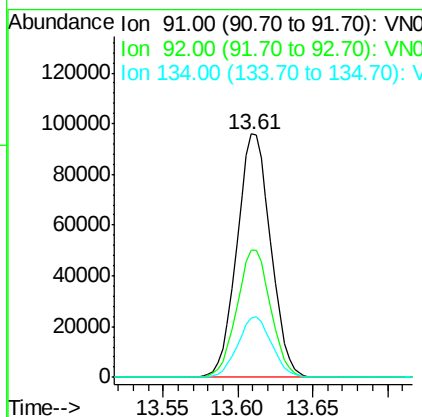
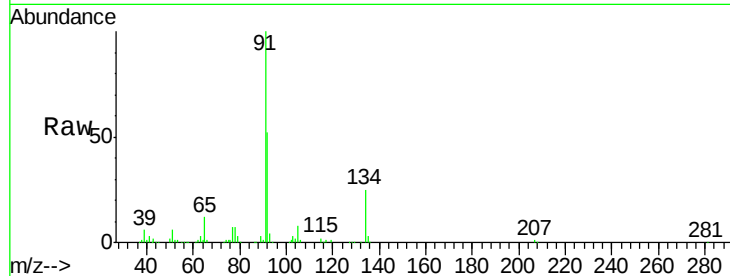
#89
n-Butylbenzene
Concen: 18.614 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	24.9	12.3	36.9

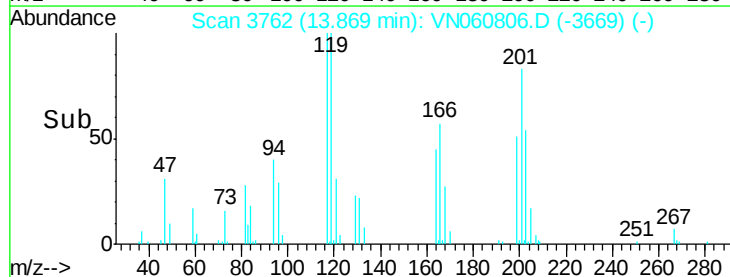
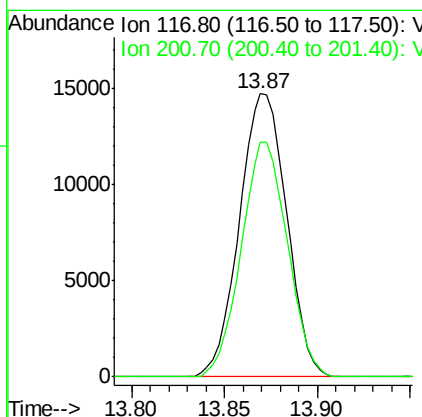
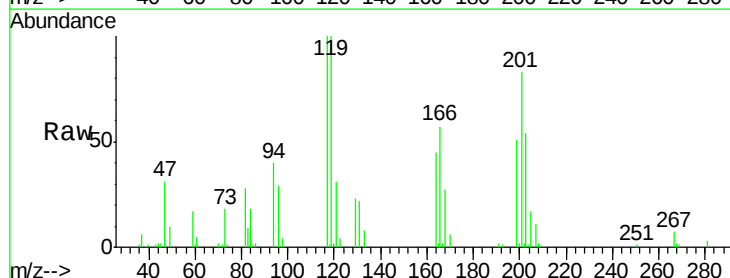
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#90
Hexachloroethane
Concen: 20.089 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.8	122.5





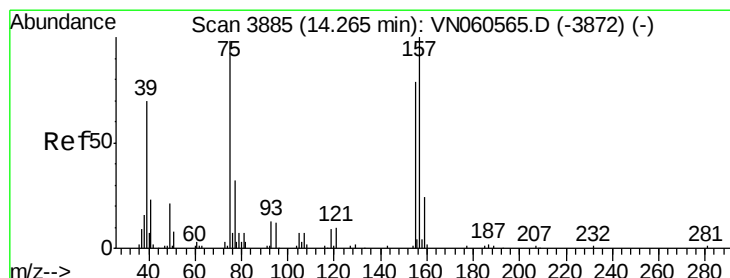
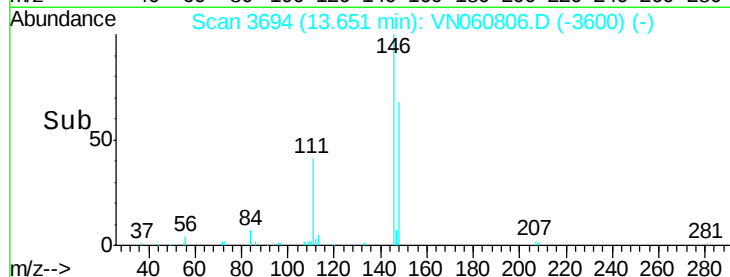
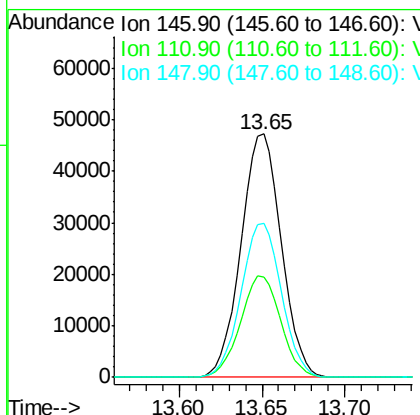
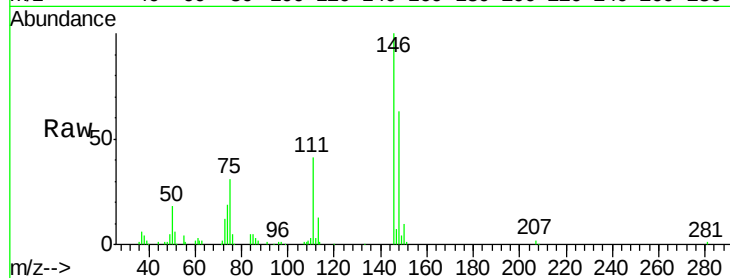
#91
 1,2-Dichlorobenzene
 Concen: 18.726 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.0	63.0
148	63.4	31.9	95.5

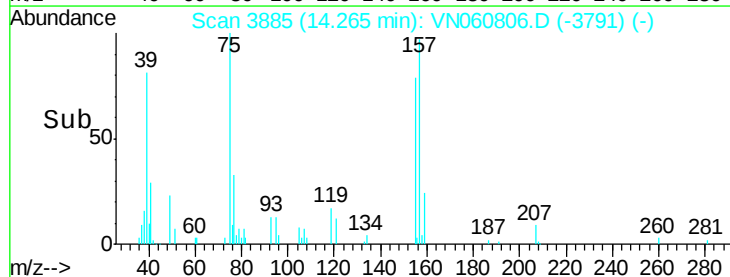
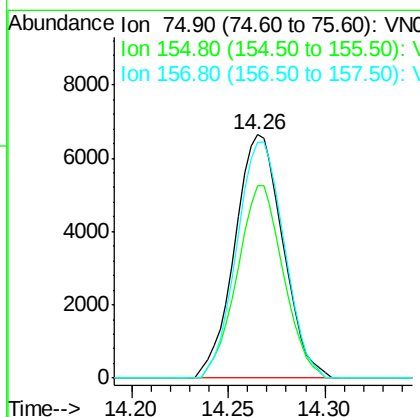
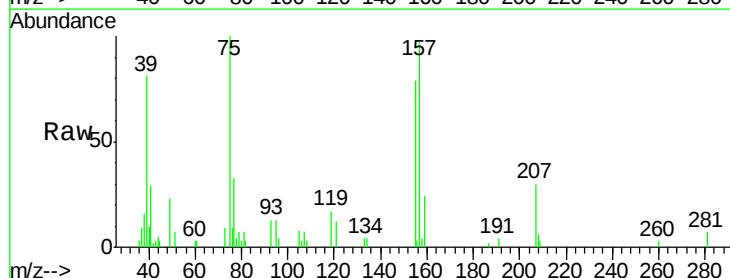
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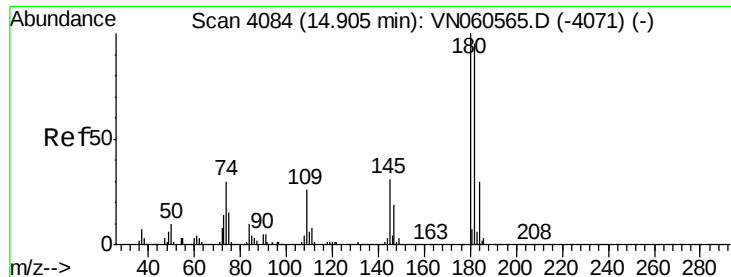
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.119 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060806.D
 Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	40.7	122.1
157	95.3	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 17.764 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060806.D

Acq: 1 Apr 2020 13:11

Instrument :

MSVOA_N

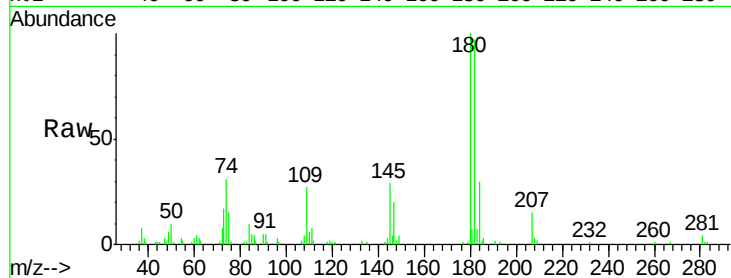
ClientSampled :

VN0401WBS01

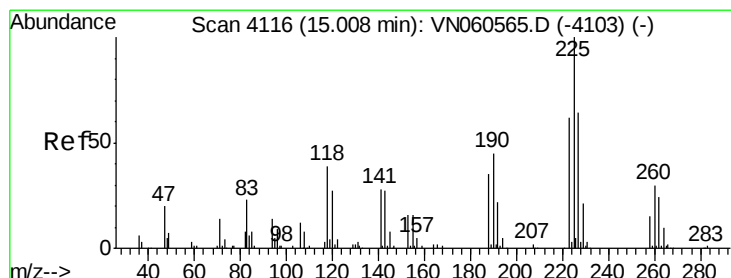
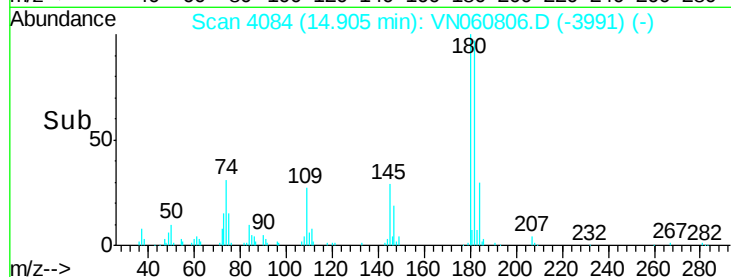
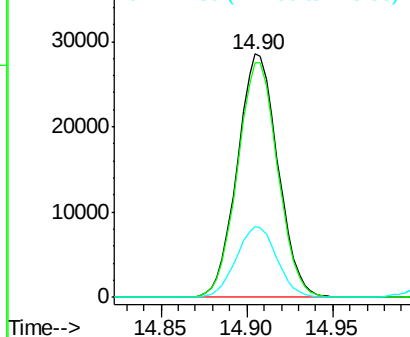
Tot Ion:	180	Resp:	46579
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.8
145	29.2	15.4	46.2

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.888 ug/l

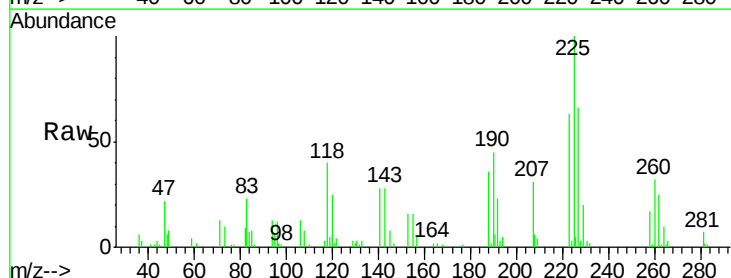
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

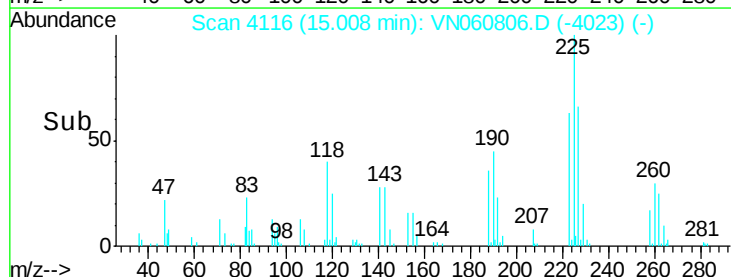
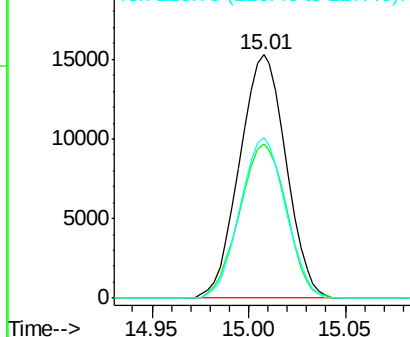
Lab File: VN060806.D

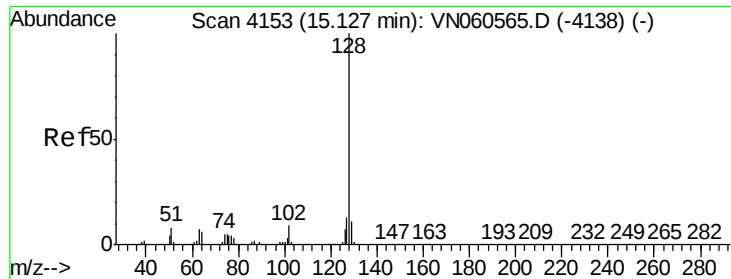
Acq: 1 Apr 2020 13:11

Tgt Ion:	225	Resp:	25563
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.6	95.0
227	64.6	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





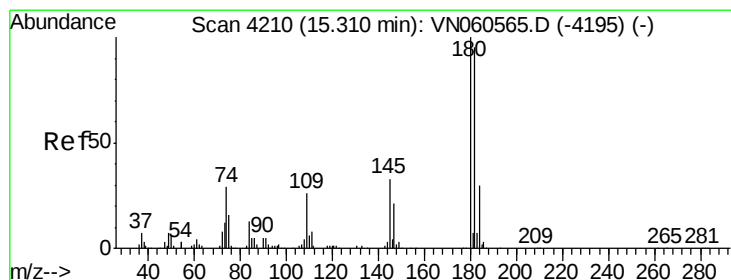
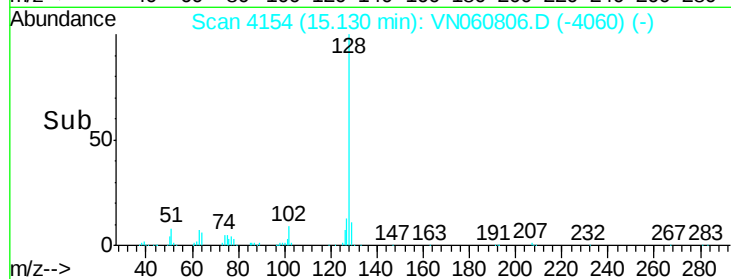
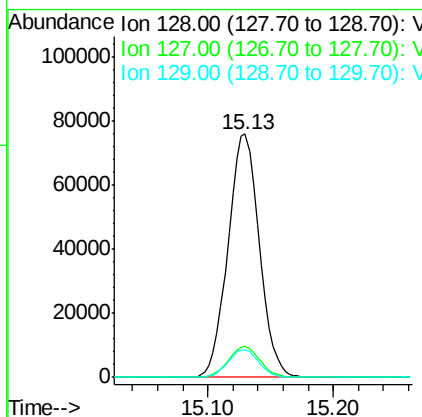
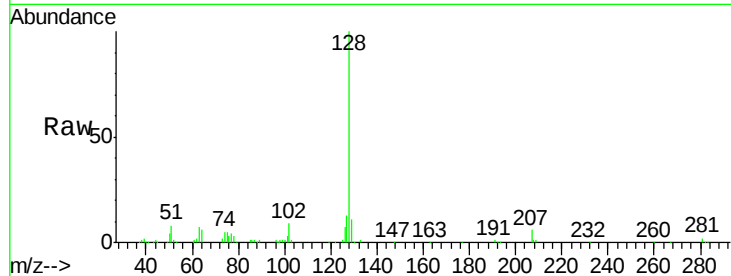
#95
Naphthalene
Concen: 16.678 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:13:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.462 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060806.D
Acq: 1 Apr 2020 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.6
145	32.9	16.3	48.8

