

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060807.D
 Acq On : 1 Apr 2020 13:44
 Operator : JC/MD
 Sample : VN0401WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:54 AM

Quant Time: Apr 02 09:14:29 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	191881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	313388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133383	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.56	113	98421	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.08	98	384048	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	140711	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31751	17.101	ug/l	100
3) Chloromethane	2.04	50	53114	15.317	ug/l	100
4) Vinyl Chloride	2.17	62	42553	15.690	ug/l	99
5) Bromomethane	2.55	94	22298	19.045	ug/l	97
6) Chloroethane	2.69	64	27213	17.418	ug/l	99
7) Trichlorofluoromethane	3.00	101	58427	17.488	ug/l	99
8) Diethyl Ether	3.38	74	25344	18.883	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35620	18.399	ug/l	100
10) Methyl Iodide	3.93	142	31308	18.174	ug/l	99
11) Tert butyl alcohol	4.73	59	38311	98.895	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35935	17.297	ug/l	97
13) Acrolein	3.57	56	35217	82.025	ug/l	98
14) Allyl chloride	4.29	41	65282	17.867	ug/l	97
15) Acrylonitrile	4.94	53	106731	93.693	ug/l	99
16) Acetone	3.78	43	90210	96.683	ug/l	98
17) Carbon Disulfide	4.03	76	102193	16.174	ug/l	99
18) Methyl Acetate	4.28	43	51666	19.673	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	131194	18.368	ug/l	98
20) Methylene Chloride	4.52	84	42101	18.343	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38441	17.362	ug/l	91
22) Diisopropyl ether	5.91	45	146122	18.929	ug/l	98
23) Vinyl Acetate	5.86	43	604807	96.026	ug/l	100
24) 1,1-Dichloroethane	5.82	63	77670	18.457	ug/l	99
25) 2-Butanone	6.80	43	144094	95.437	ug/l	100
26) 2,2-Dichloropropane	6.79	77	65271	19.713	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	45500	18.084	ug/l	97
28) Bromochloromethane	7.16	49	40066	19.900	ug/l	99
29) Tetrahydrofuran	7.18	42	99193	92.854	ug/l	98
30) Chloroform	7.34	83	73131	18.127	ug/l	99
31) Cyclohexane	7.63	56	73499	17.324	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	62374	17.935	ug/l	98
36) 1,1-Dichloropropene	7.77	75	55813	18.392	ug/l	99
37) Ethyl Acetate	6.89	43	61795	18.846	ug/l	99
38) Carbon Tetrachloride	7.75	117	48630	17.880	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	66793	18.522	ug/l	98
40) Benzene	8.02	78	169540	18.507	ug/l	99
41) Methacrylonitrile	7.14	41	31335m	22.393	ug/l	
42) 1,2-Dichloroethane	8.10	62	61273	19.572	ug/l	99
43) Isopropyl Acetate	8.14	43	103302	19.103	ug/l	100
44) Trichloroethene	8.82	130	43396	18.792	ug/l	96
45) 1,2-Dichloropropane	9.10	63	46843	19.379	ug/l	100
46) Dibromomethane	9.19	93	27628	18.906	ug/l	98
47) Bromodichloromethane	9.38	83	57954	19.085	ug/l	98
48) Methyl methacrylate	9.18	41	44613	18.530	ug/l	98
49) 1,4-Dioxane	9.18	88	12566	439.107	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	297888	96.807	ug/l	100
52) Toluene	10.14	92	102638	18.552	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	66683	19.117	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72660	18.988	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40770	19.155	ug/l	99
56) Ethyl methacrylate	10.42	69	62596	18.862	ug/l	99
57) 1,3-Dichloropropane	10.70	76	70307	19.036	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	144693	87.724	ug/l	100
59) 2-Hexanone	10.74	43	212889	96.042	ug/l	99
60) Dibromochloromethane	10.89	129	42143	19.169	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41129	19.217	ug/l	100
64) Tetrachloroethene	10.62	164	40234	18.127	ug/l	99
65) Chlorobenzene	11.42	112	105428	18.855	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39049	19.288	ug/l	99
67) Ethyl Benzene	11.50	91	195614	18.812	ug/l	100
68) m/p-Xylenes	11.61	106	143384	37.106	ug/l	99
69) o-Xylene	11.94	106	70096	19.002	ug/l	98
70) Styrene	11.96	104	110135	18.255	ug/l	99
71) Bromoform	12.12	173	28916	18.288	ug/l #	99
73) Isopropylbenzene	12.24	105	184227	18.577	ug/l	100
74) N-amyl acetate	12.06	43	86554	18.888	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56819	18.946	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	53685m	18.828	ug/l	
77) Bromobenzene	12.52	156	44362	18.565	ug/l	99
78) n-propylbenzene	12.59	91	217749	18.585	ug/l	99
79) 2-Chlorotoluene	12.67	91	130253	18.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	156725	18.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20683	18.630	ug/l	98
82) 4-Chlorotoluene	12.77	91	131921	18.503	ug/l	100
83) tert-Butylbenzene	12.99	119	132134	18.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	157639	18.934	ug/l	99
85) sec-Butylbenzene	13.17	105	178138	18.989	ug/l	100
86) p-Isopropyltoluene	13.28	119	159941	18.960	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	79675	18.905	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	79031	18.664	ug/l	98
89) n-Butylbenzene	13.61	91	145691	19.129	ug/l	100
90) Hexachloroethane	13.87	117	24762	20.194	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77708	19.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11314	17.840	ug/l	97

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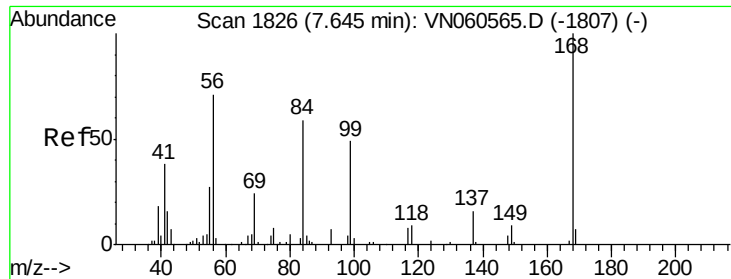
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46629	18.842	ug/l	99
94) Hexachlorobutadiene	15.01	225	24928	20.548	ug/l	96
95) Naphthalene	15.13	128	137424	18.462	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46882	19.233	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tot Ion:168 Resp: 191881

Ion Ratio Lower Upper

168 100

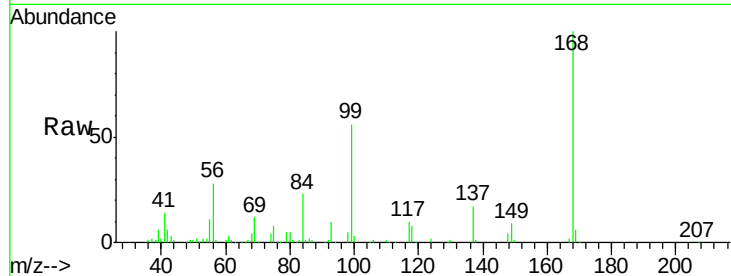
99 56.1 44.0 66.0

Manual Integrations

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4/2/2020 10:13:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

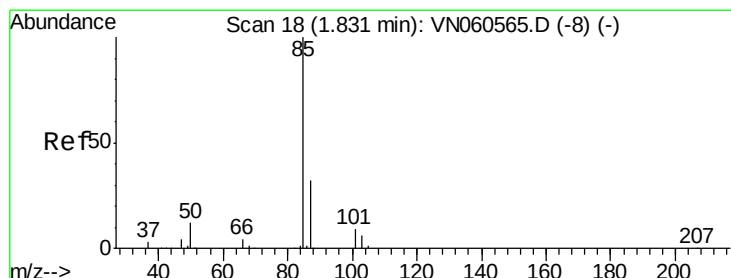
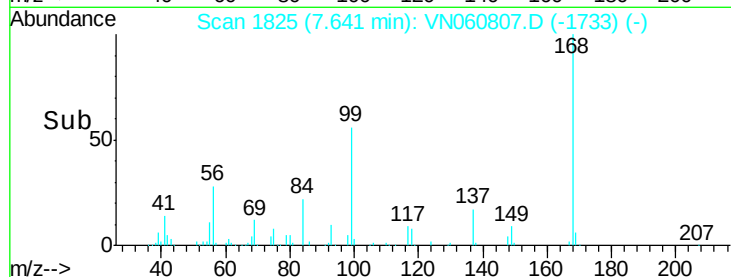
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 17.101 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060807.D

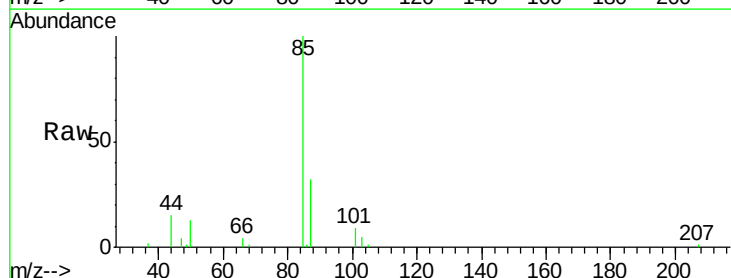
Acq: 1 Apr 2020 13:44

Tgt Ion: 85 Resp: 31751

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

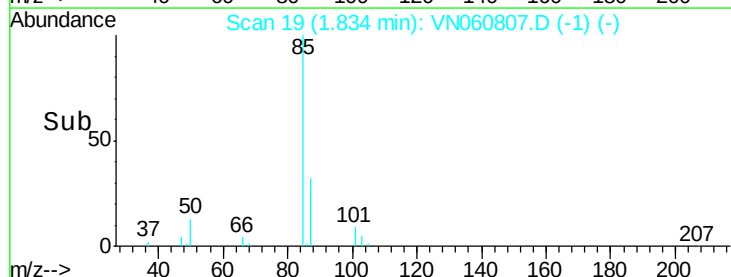
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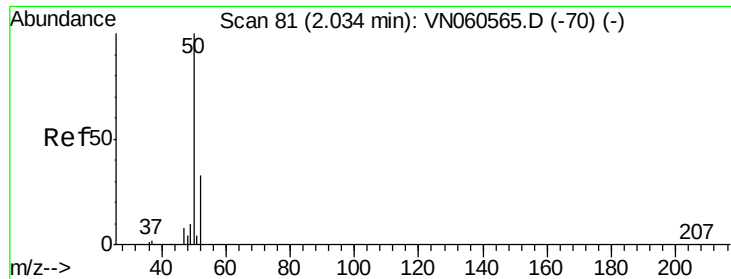
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.317 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tot Ion: 50 Resp: 53114

Ion Ratio Lower Upper

50 100

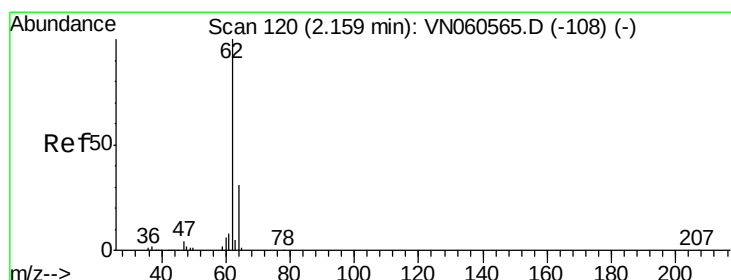
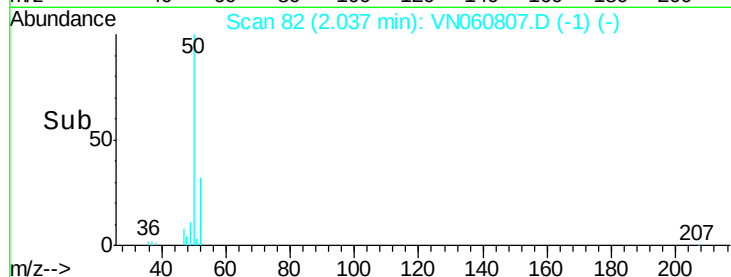
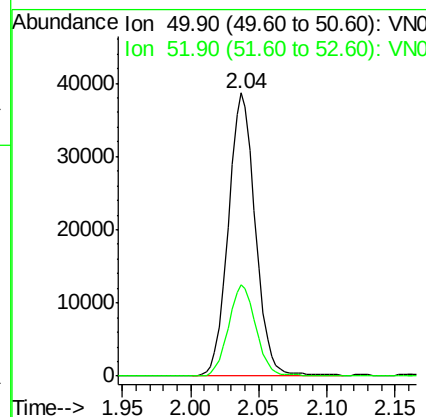
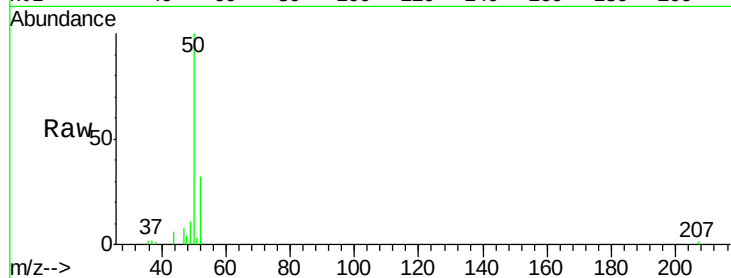
52 32.4 26.2 39.2

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 15.690 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060807.D

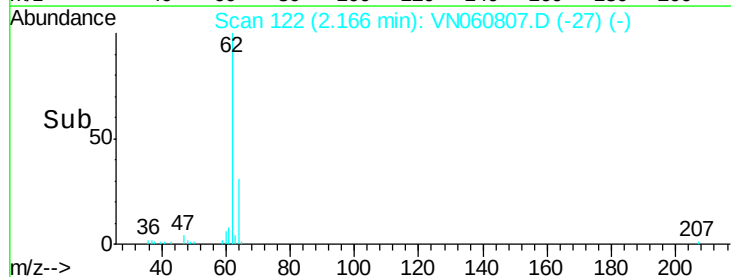
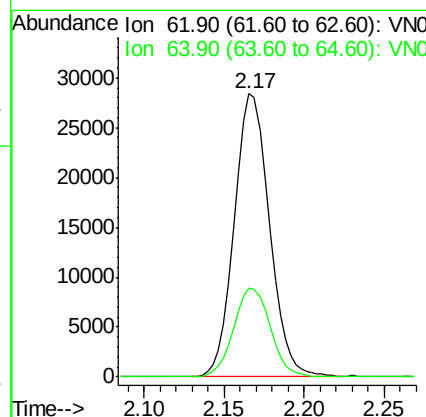
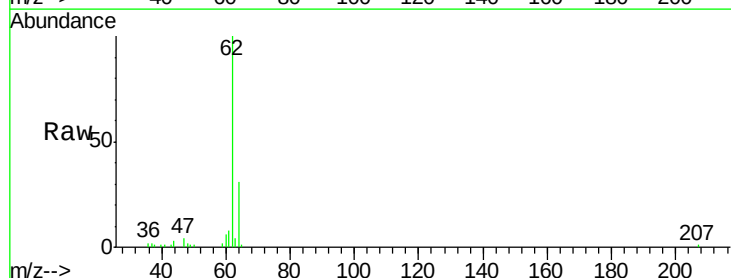
Acq: 1 Apr 2020 13:44

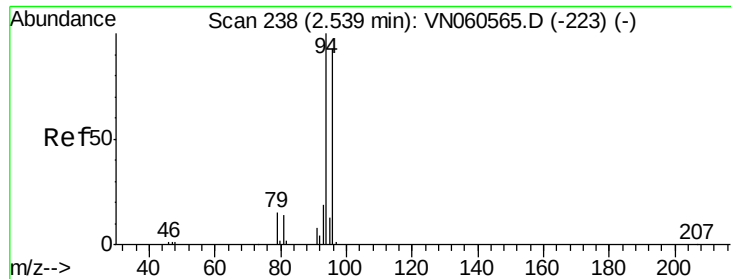
Tgt Ion: 62 Resp: 42553

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1





#5

Bromomethane

Concen: 19.045 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampled :

VN0401WBSD01

Tot Ion: 94 Resp: 22298

Ion Ratio Lower Upper

94 100

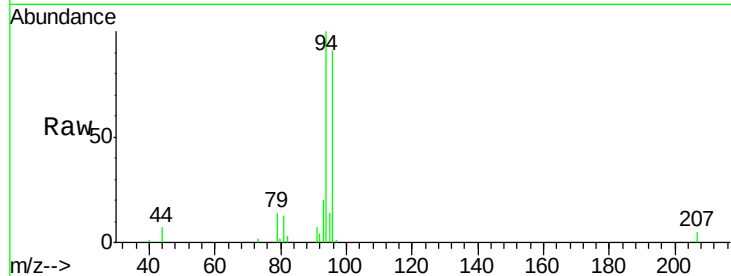
96 90.7 74.6 112.0

Manual Integrations

APPROVED

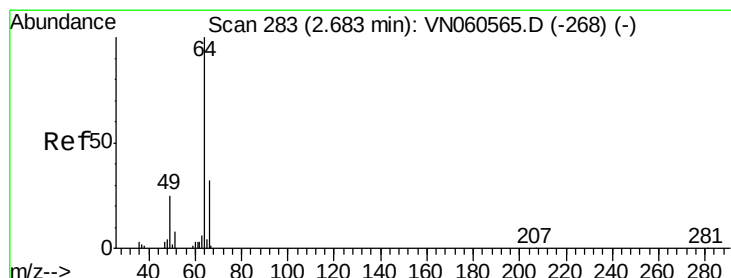
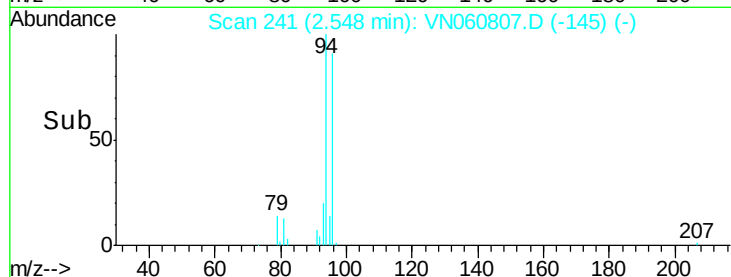
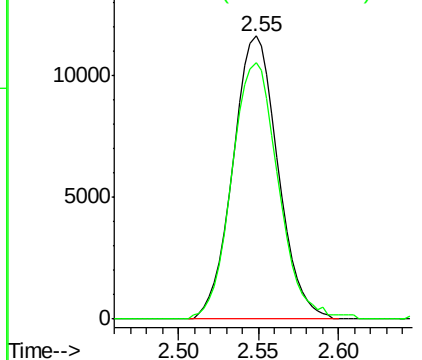
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4/2/2020 10:13:54 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.418 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060807.D

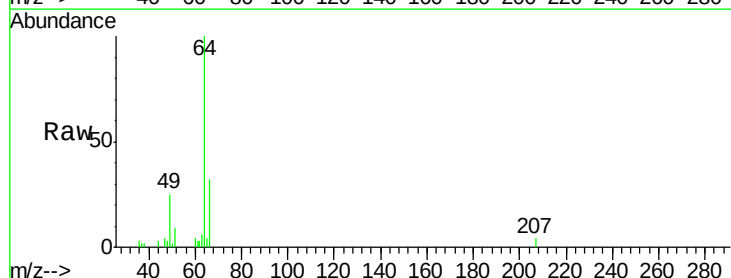
Acq: 1 Apr 2020 13:44

Tgt Ion: 64 Resp: 27213

Ion Ratio Lower Upper

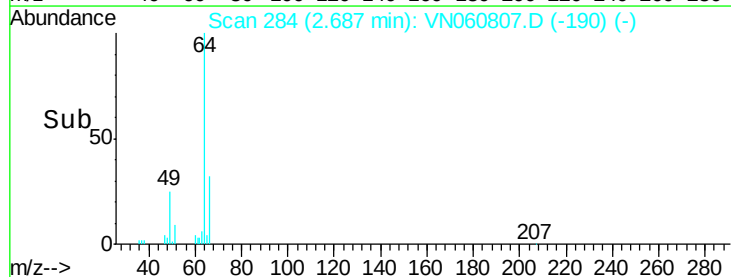
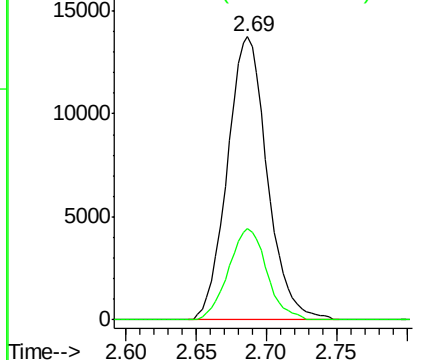
64 100

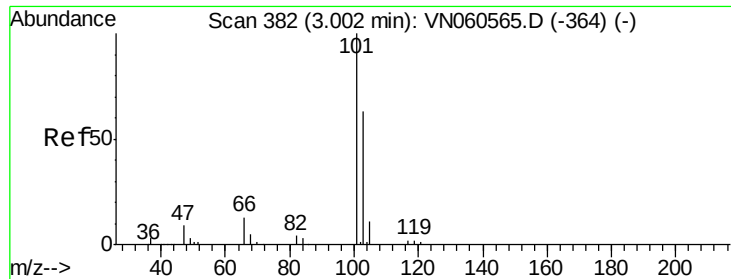
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

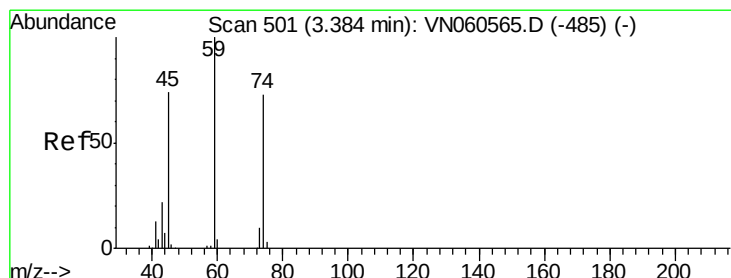
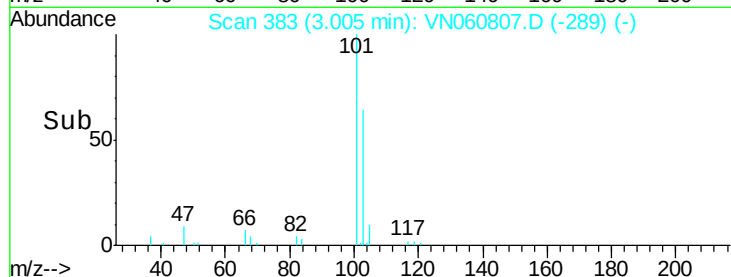
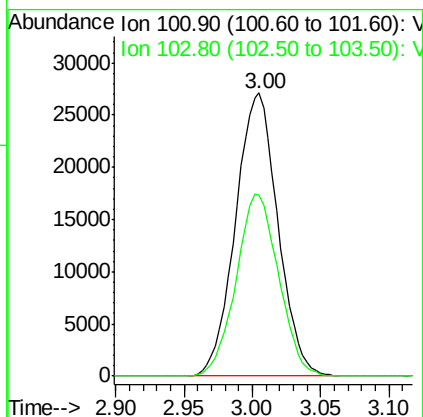
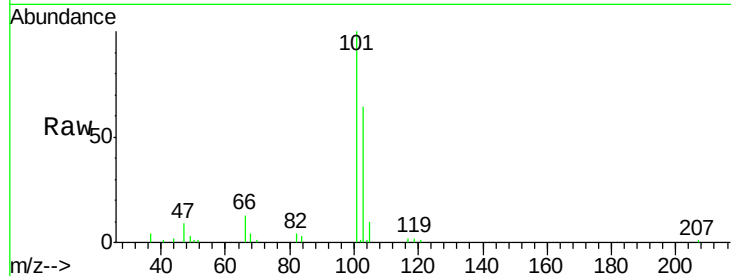
Trichlorofluoromethane
 Concen: 17.488 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		58427		
103	64.1	50.6	76.0		

Manual Integrations
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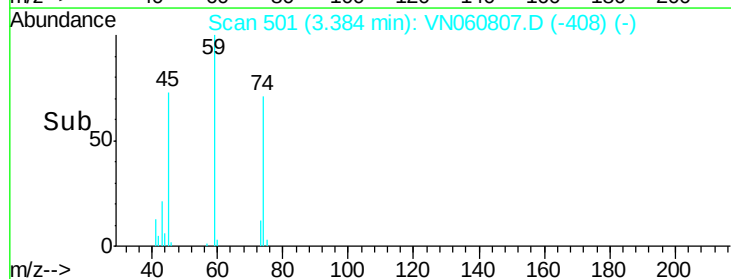
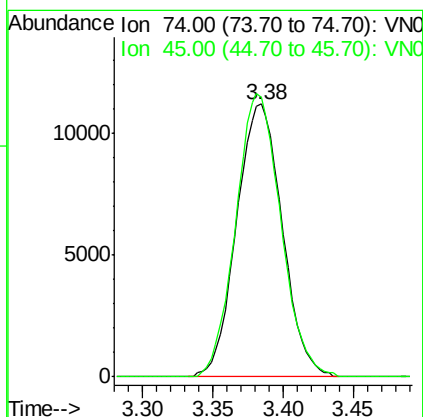
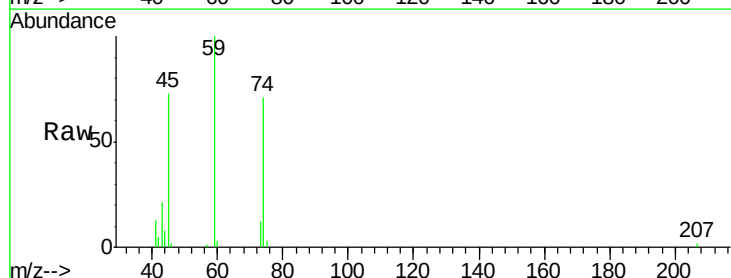
MMDadoda
 4/2/2020 10:13:54 AM

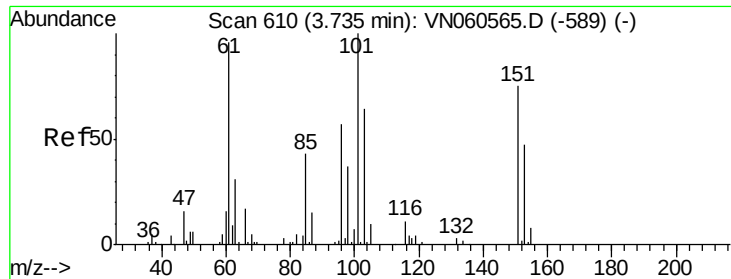


#8

Diethyl Ether
 Concen: 18.883 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		25344		
45	102.6	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.399 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

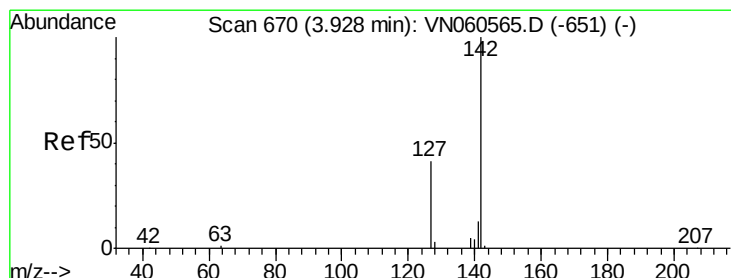
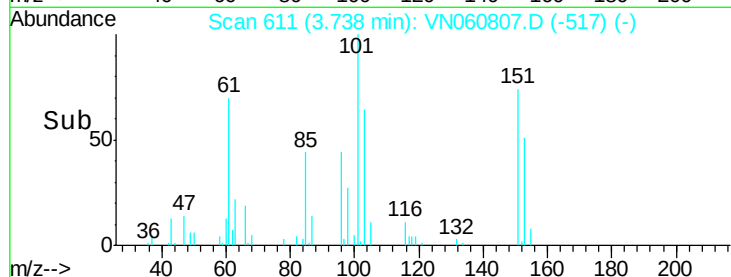
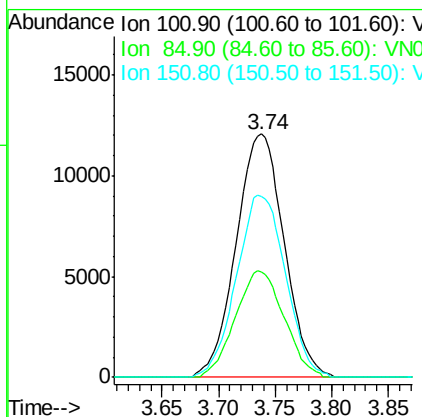
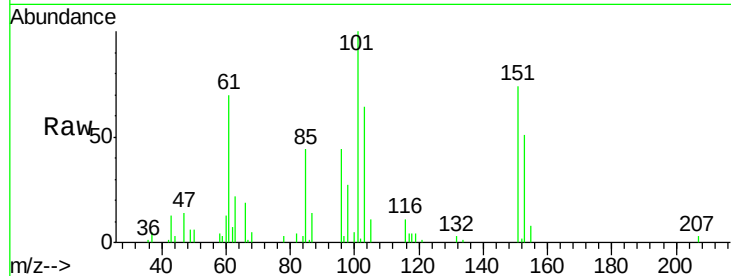
ClientSampleId :

VN0401WBSD01

Tot Ion:	101	Resp:	35620
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.6	53.4
151	76.5	61.4	92.2

Manual Integrations
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MMDadoda
4/2/2020 10:13:54 AM



#10

Methyl Iodide

Concen: 18.174 ug/l

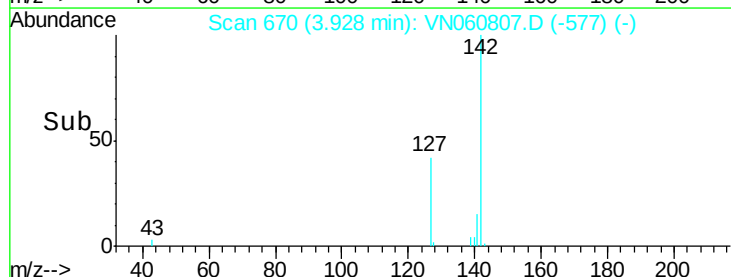
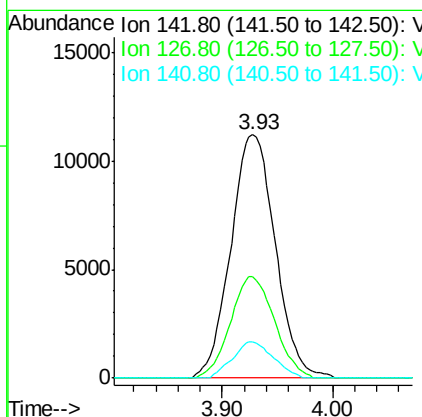
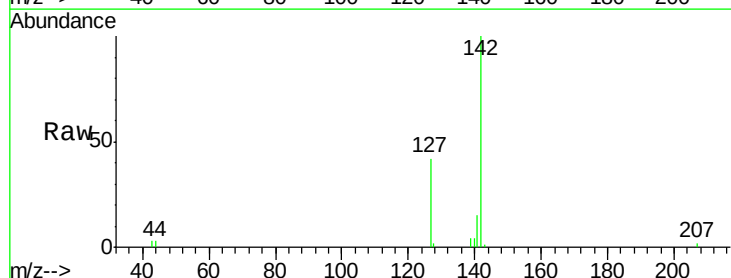
RT: 3.93 min Scan# 670

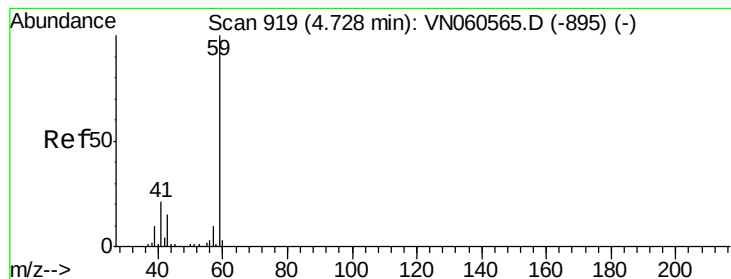
Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	142	Resp:	31308
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.5	50.3
141	13.7	11.0	16.6





#11

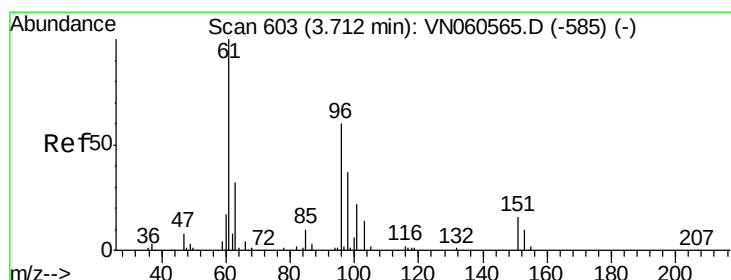
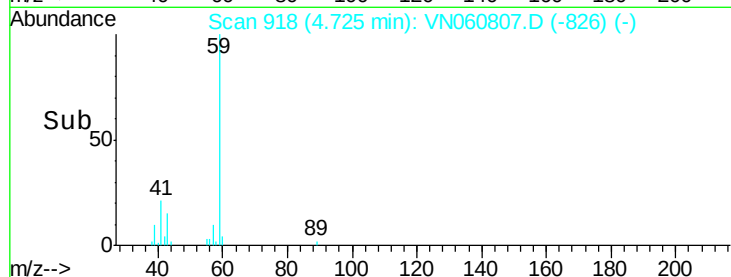
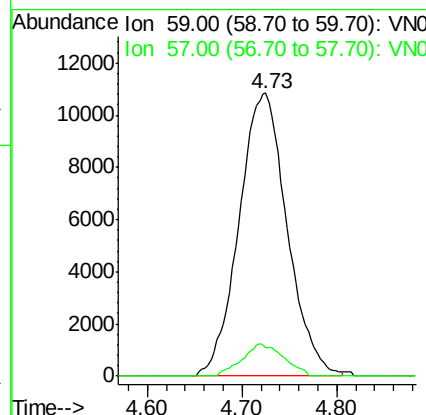
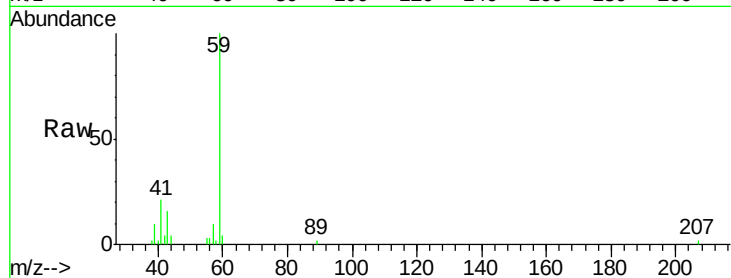
Tert butyl alcohol
Concen: 98.895 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	59	57	Ratio	100	9.9	Resp	38311	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	9.9	Resp	38311	Lower	8.2	Upper	12.4

Manual Integrations
APPROVED

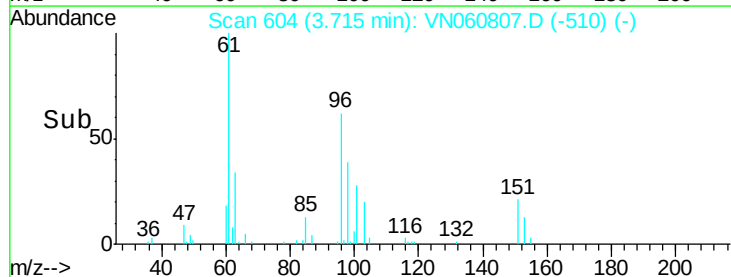
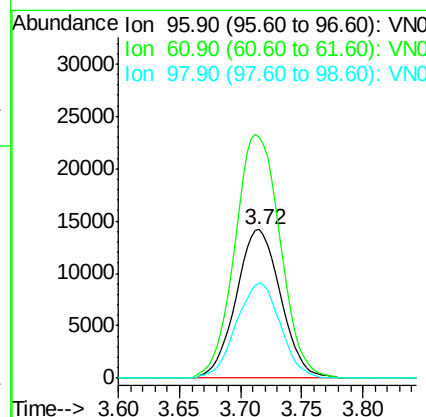
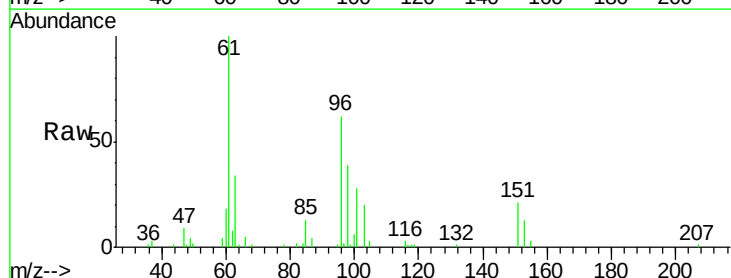
MMDadoda
4/2/2020 10:13:54 AM

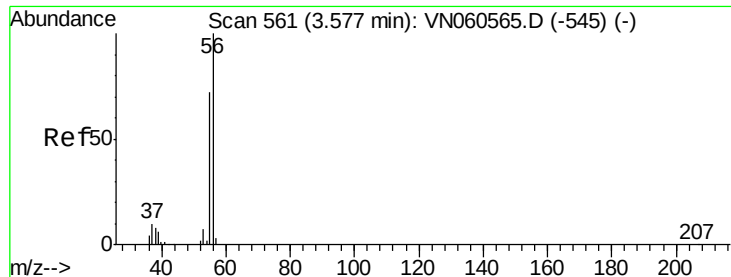


#12

1,1-Dichloroethene
Concen: 17.297 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	96	61	98	Ratio	100	162.5	63.7	Resp	35935	Lower	134.1	49.9	Upper	201.1	74.9
Ion	96	61	98	Ratio	100	162.5	63.7	Resp	35935	Lower	134.1	49.9	Upper	201.1	74.9





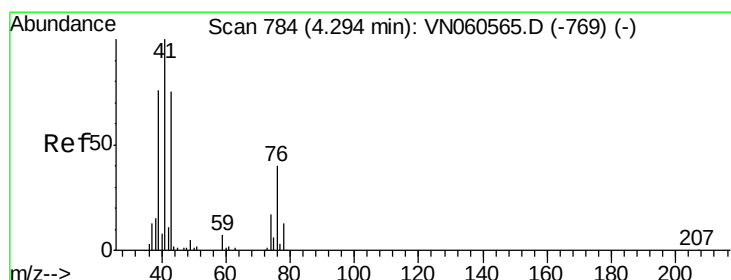
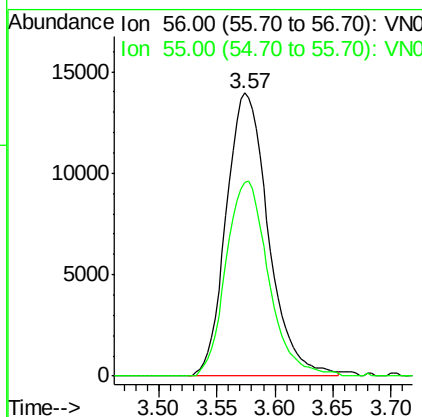
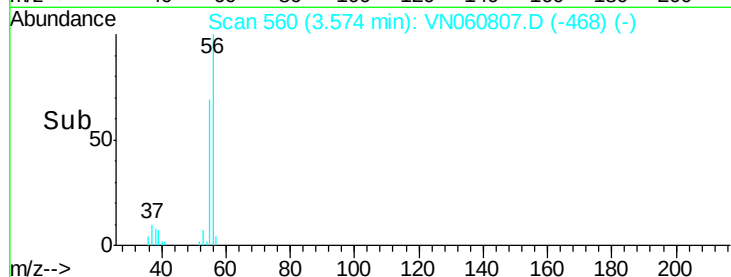
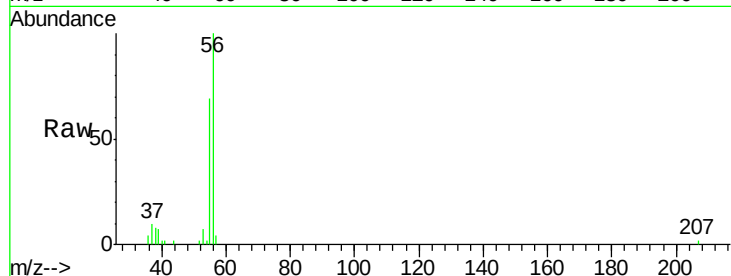
#13
 Acrolein
 Concen: 82.025 ug/l
 RT: 3.57 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Tot Ion	56	Resp	35217
Ion Ratio	100	Lower	Upper
56	100		
55	69.4	56.7	85.1

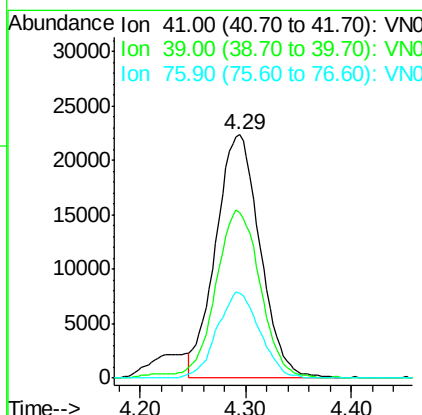
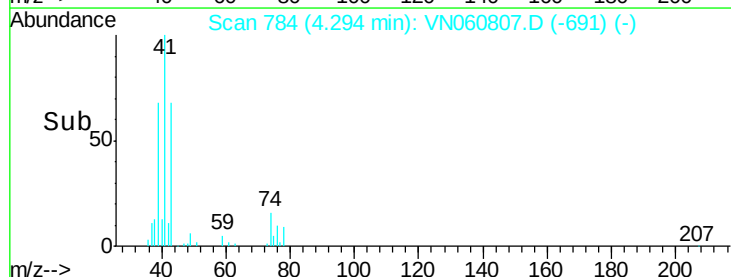
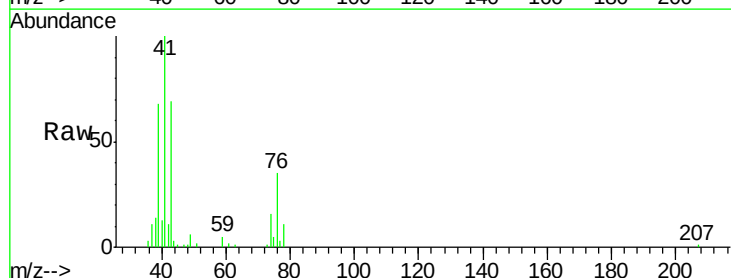
Manual Integrations
 APPROVED

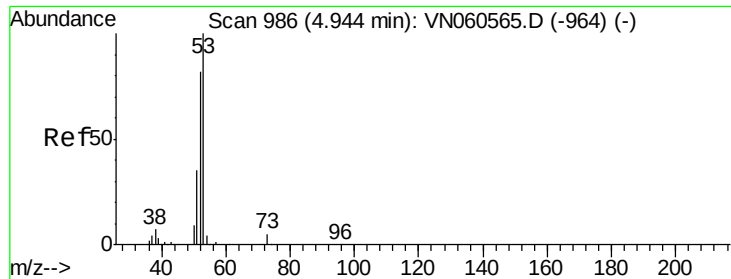
MMDadoda
 4/2/2020 10:13:54 AM



#14
 Allyl chloride
 Concen: 17.867 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	41	Resp	65282
Ion Ratio	100	Lower	Upper
41	100		
39	70.2	57.8	86.8
76	33.8	28.6	43.0





#15

Acrylonitrile

Concen: 93.693 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

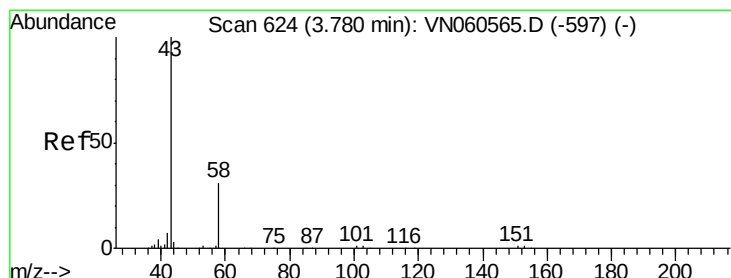
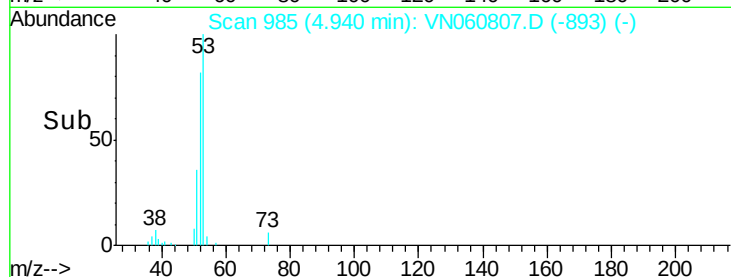
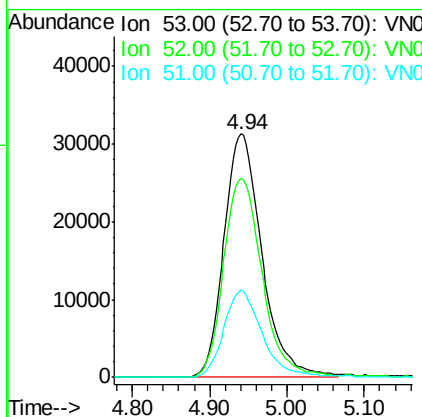
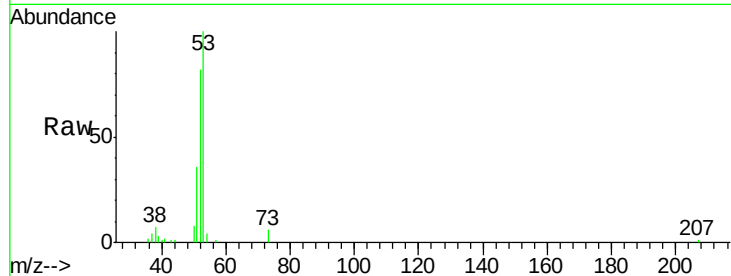
ClientSampled :

VN0401WBSD01

Tot Ion:	53	Resp:	106731
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.2	28.7	43.1

Manual Integrations
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MMDadoda
4/2/2020 10:13:54 AM



#16

Acetone

Concen: 96.683 ug/l

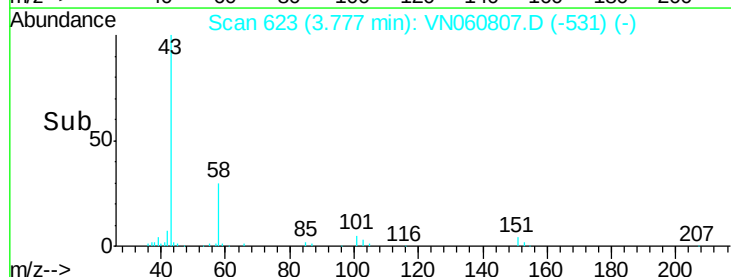
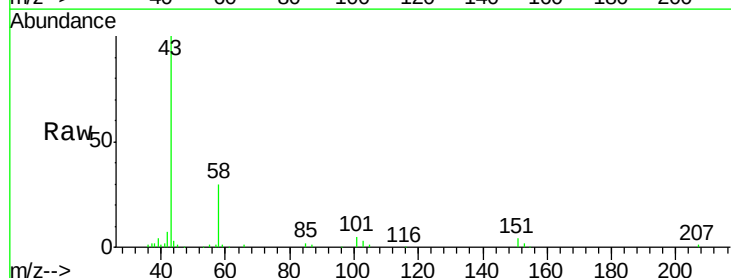
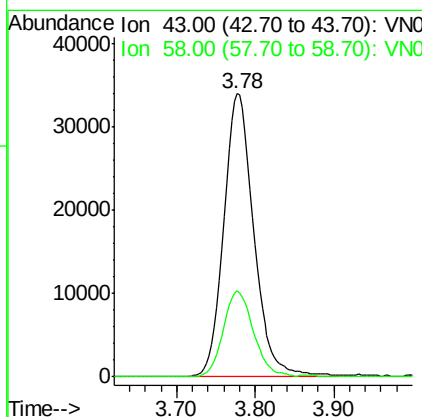
RT: 3.78 min Scan# 623

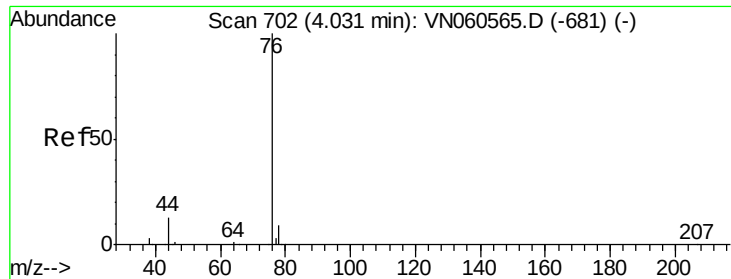
Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	43	Resp:	90210
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.1	37.7





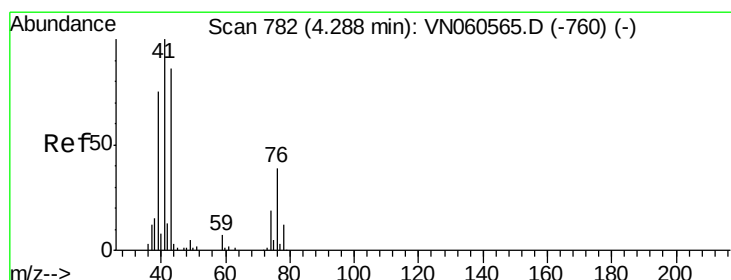
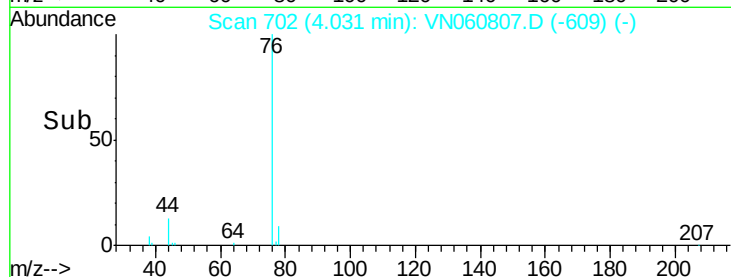
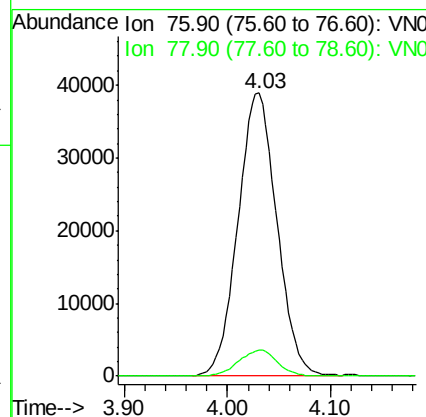
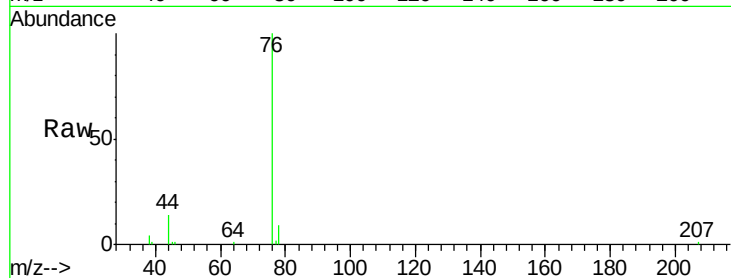
#17
Carbon Disulfide
Concen: 16.174 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion: 76 Resp: 102193
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

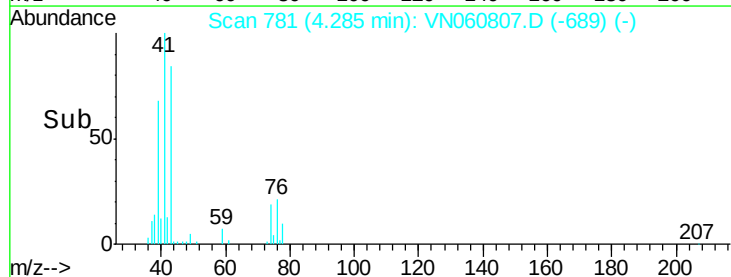
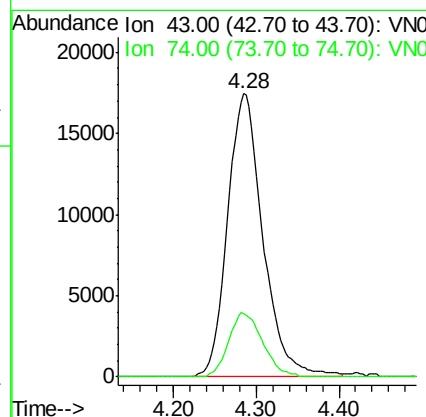
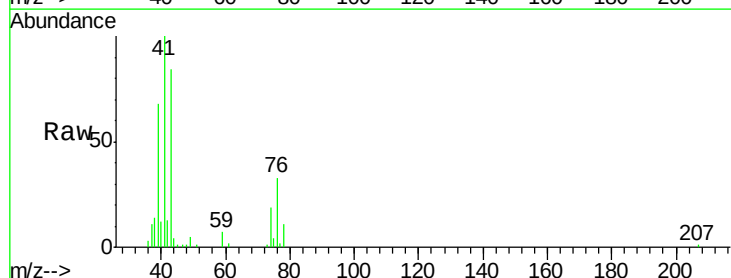
Manual Integrations
APPROVED

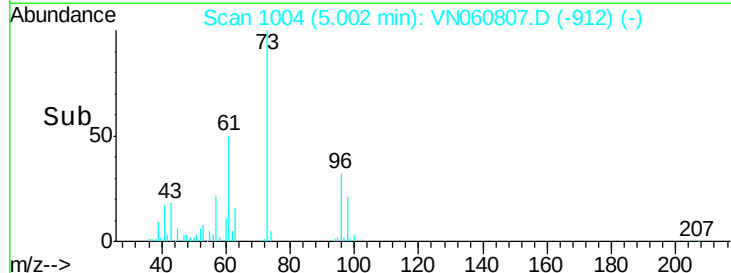
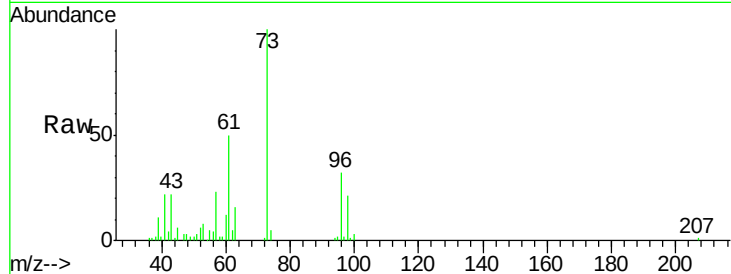
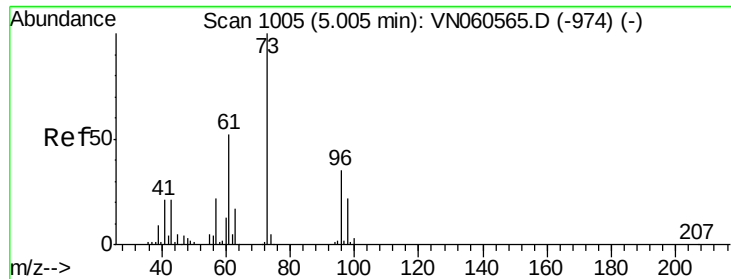
MMDadoda
4/2/2020 10:13:54 AM



#18
Methyl Acetate
Concen: 19.673 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion: 43 Resp: 51666
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3





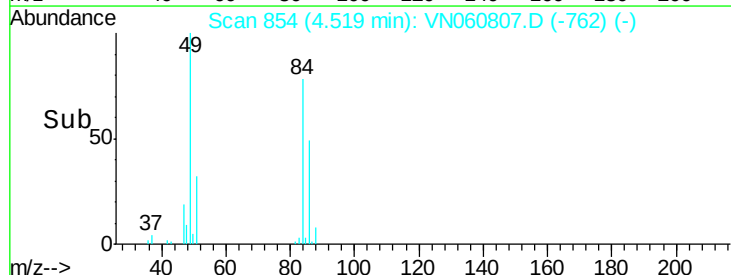
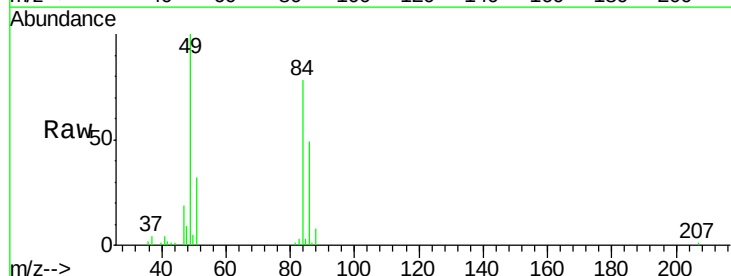
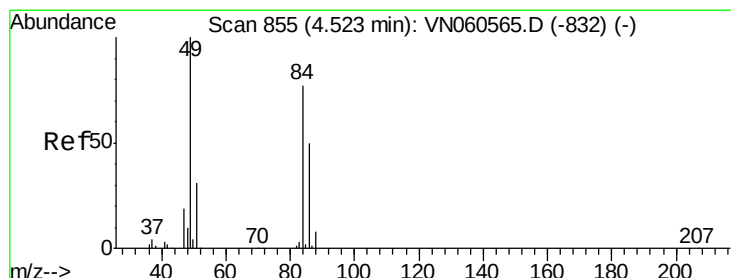
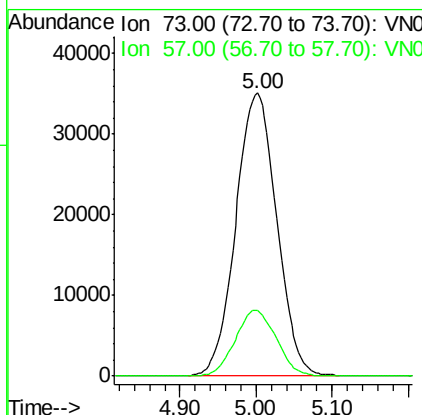
#19
Methyl tert-butyl Ether
Concen: 18.368 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tot Ion: 73 Resp: 131194
Ion Ratio Lower Upper
73 100
57 23.0 17.5 26.3

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

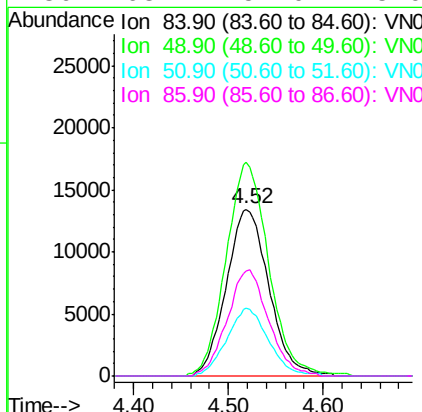
Manual Integrations
APPROVED

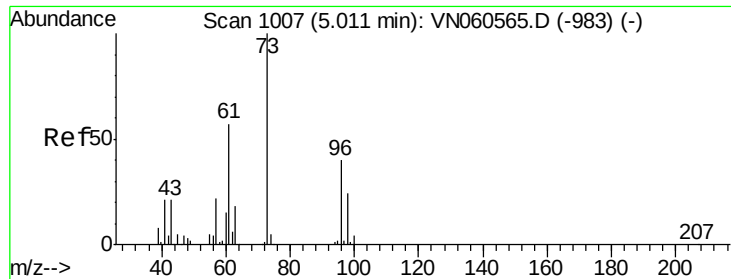
MMDadoda
4/2/2020 10:13:54 AM



#20
Methylene Chloride
Concen: 18.343 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion: 84 Resp: 42101
Ion Ratio Lower Upper
84 100
49 126.7 103.3 154.9
51 40.6 31.6 47.4
86 63.2 52.0 78.0





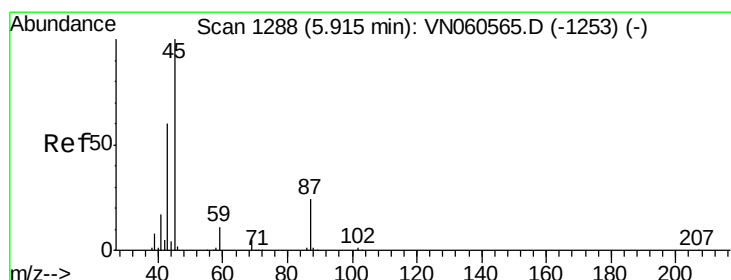
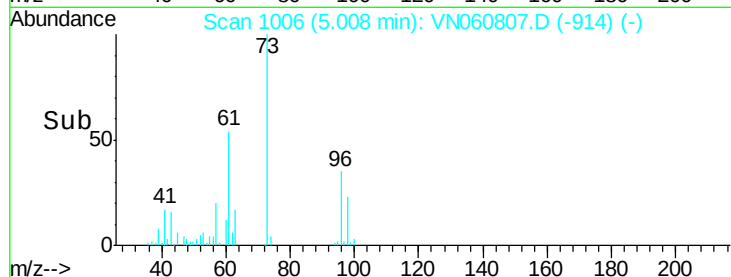
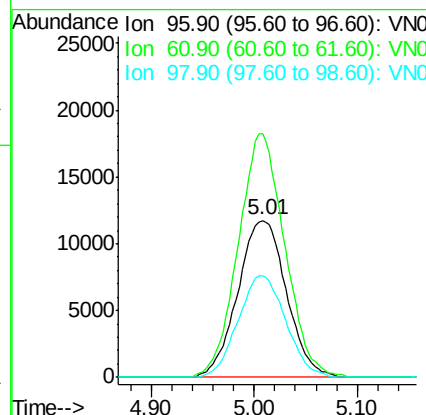
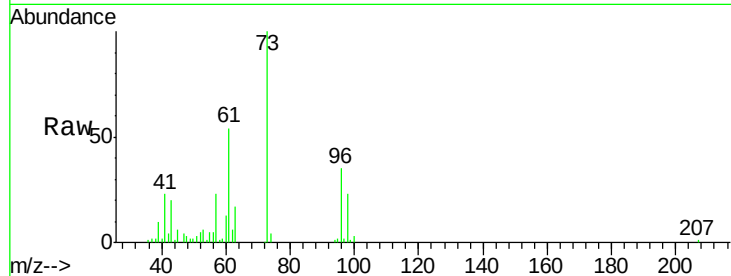
#21
trans-1,2-Dichloroethene
Concen: 17.362 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.2	114.4	171.6
98	65.2	48.4	72.6

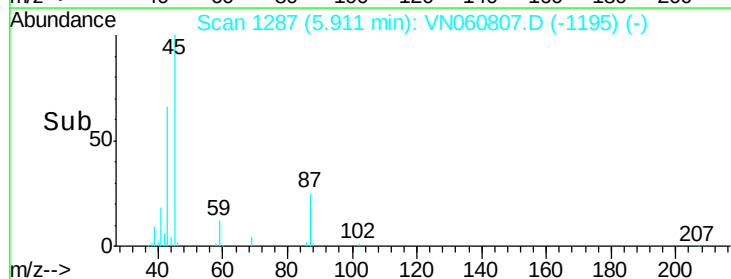
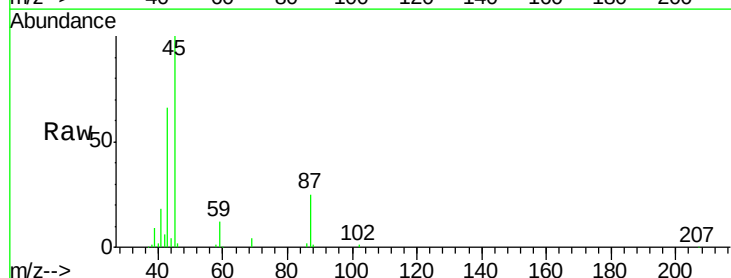
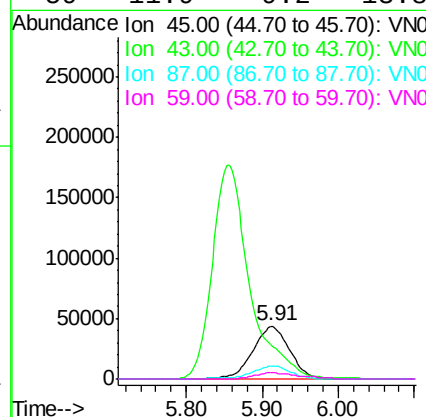
Manual Integrations
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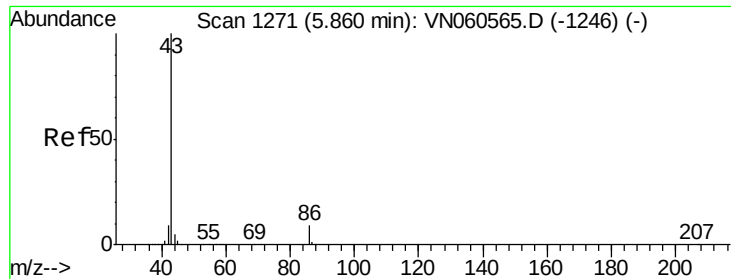
MMDadoda
4/2/2020 10:13:54 AM



#22
Diisopropyl ether
Concen: 18.929 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	49.8	74.8
87	25.2	20.1	30.1
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 96.026 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tot Ion: 43 Resp: 604807

Ion Ratio Lower Upper

43 100

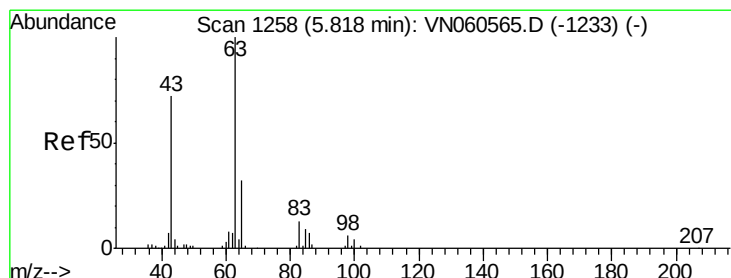
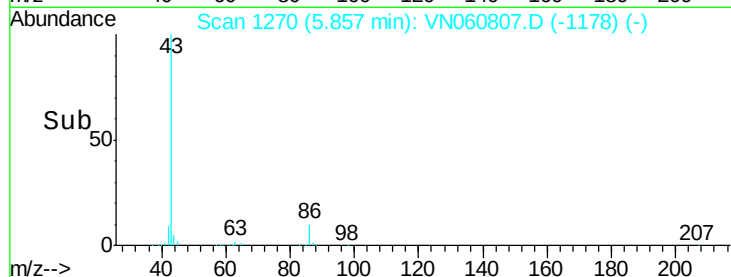
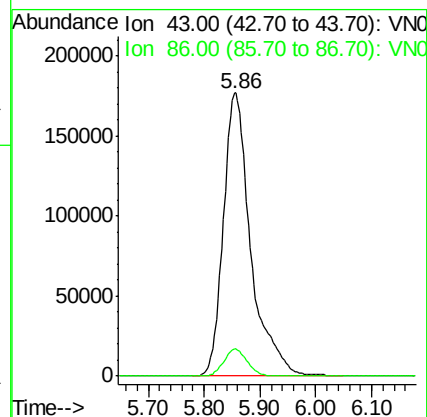
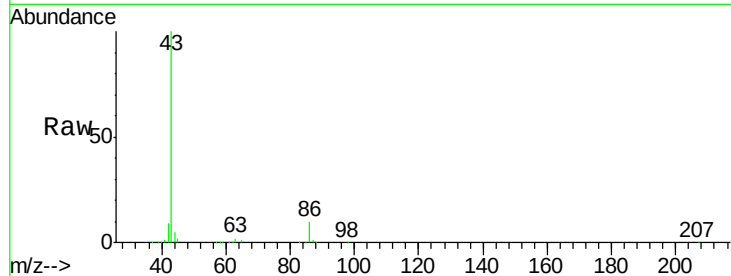
86 9.6 7.6 11.4

Manual Integrations

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MMDadoda

4/2/2020 10:13:54 AM



#24

1,1-Dichloroethane

Concen: 18.457 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

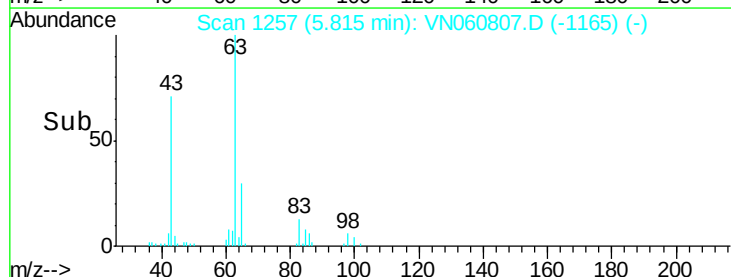
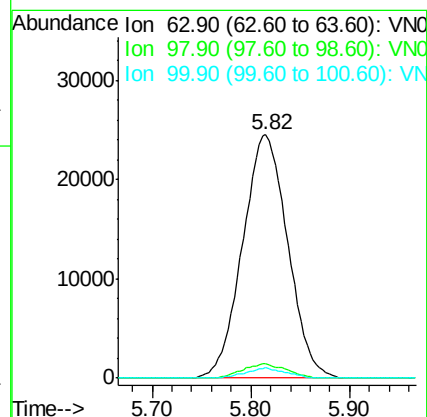
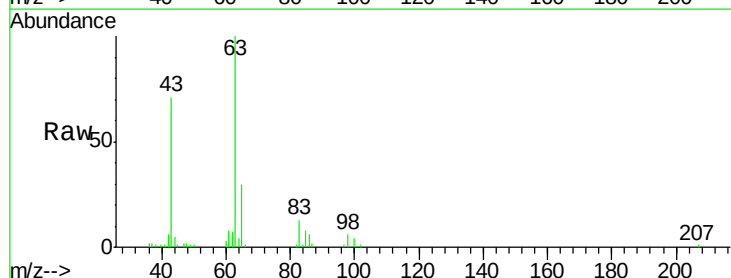
Tgt Ion: 63 Resp: 77670

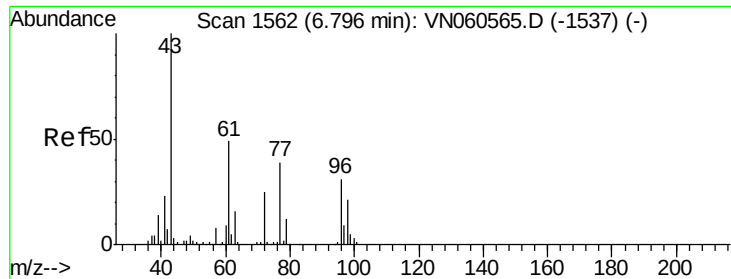
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

100 4.1 1.8 5.5





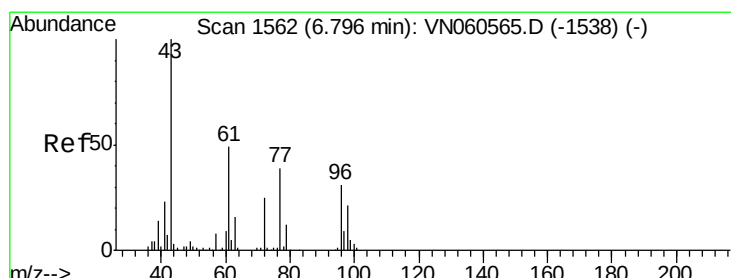
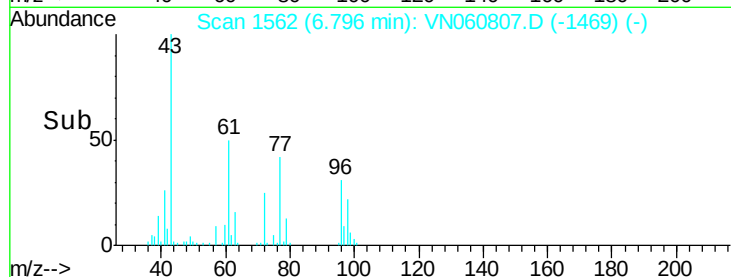
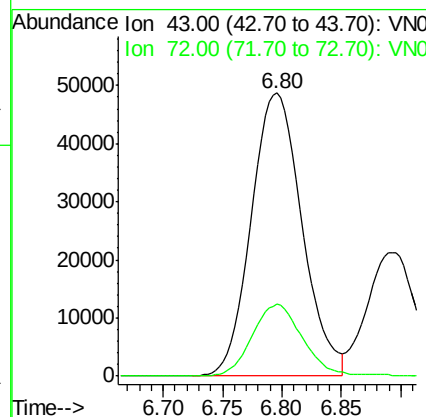
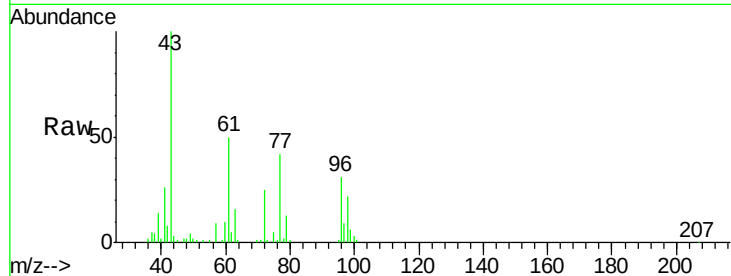
#25
2-Butanone
Concen: 95.437 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion: 43 Resp: 144094
Ion Ratio Lower Upper
43 100
72 25.3 20.4 30.6

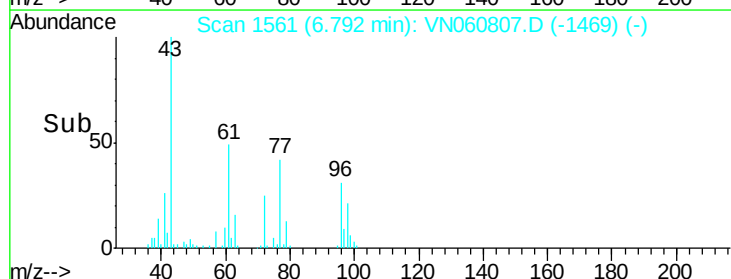
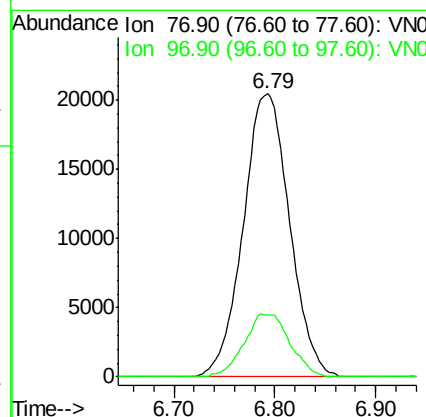
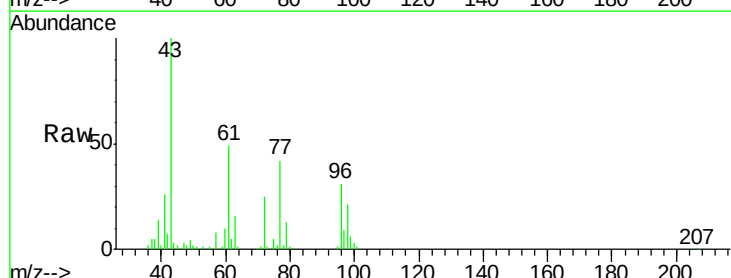
Manual Integrations
APPROVED

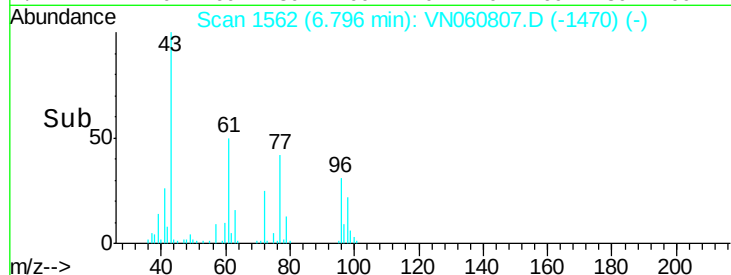
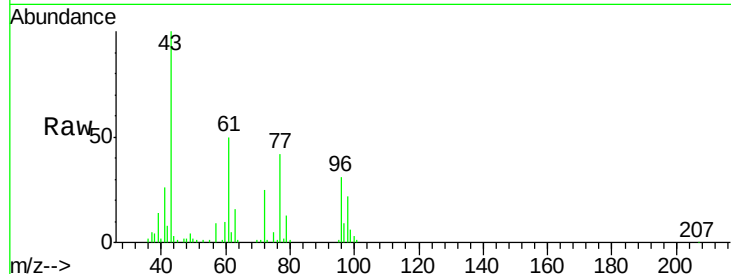
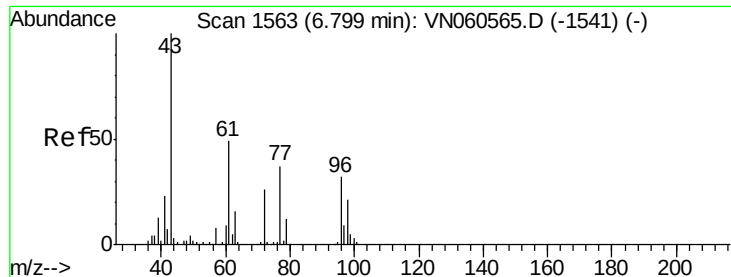
MMDadoda
4/2/2020 10:13:54 AM



#26
2,2-Dichloropropane
Concen: 19.713 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion: 77 Resp: 65271
Ion Ratio Lower Upper
77 100
97 22.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.084 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tot Ion:	96	Resp:	45500
Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	305.6
98	64.1	0.0	127.6

Instrument :

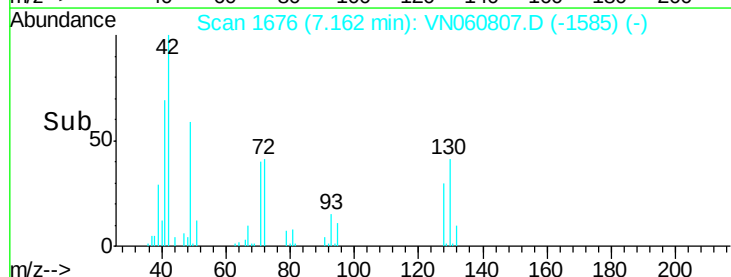
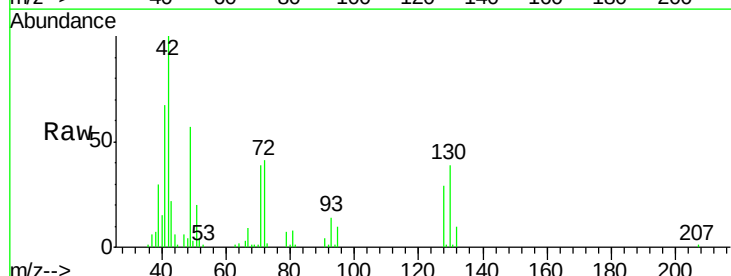
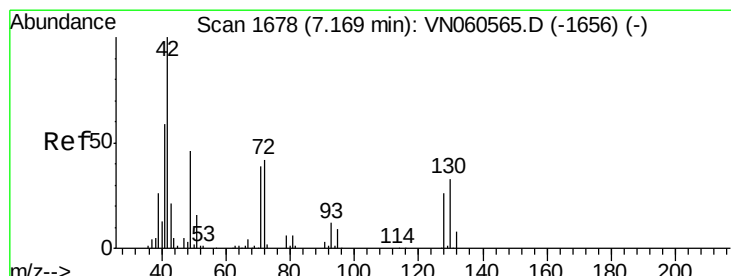
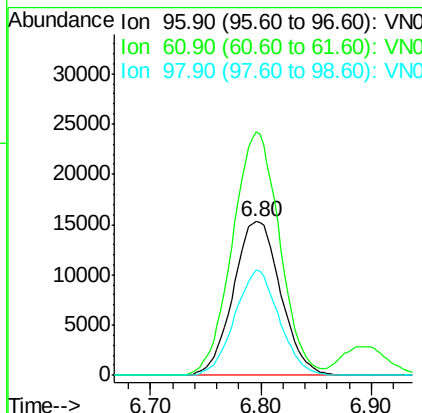
MSVOA_N

ClientSampled :

VN0401WBSD01

Manual Integrations
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#28

Bromochloromethane

Concen: 19.900 ug/l

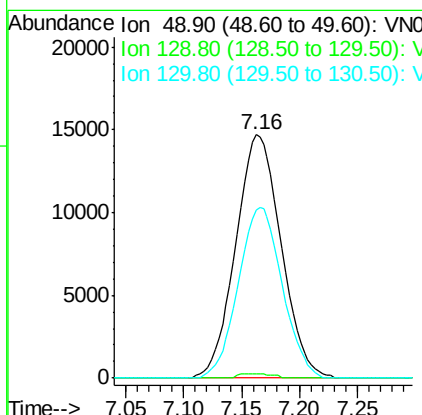
RT: 7.16 min Scan# 1676

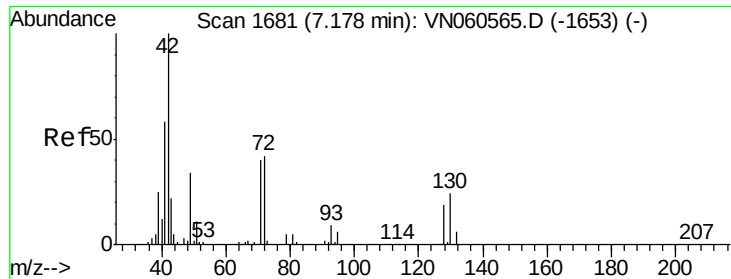
Delta R.T. -0.01 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	49	Resp:	40066
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	67.8	55.0	82.4





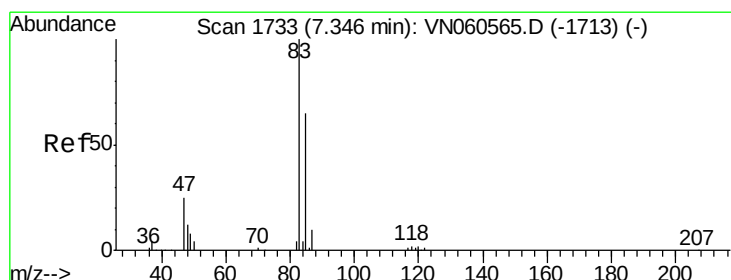
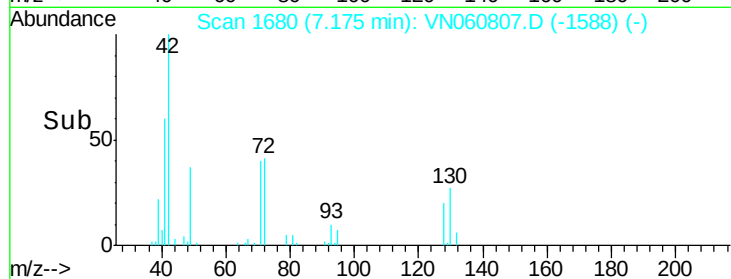
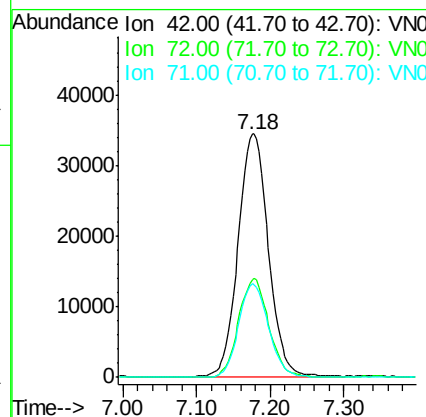
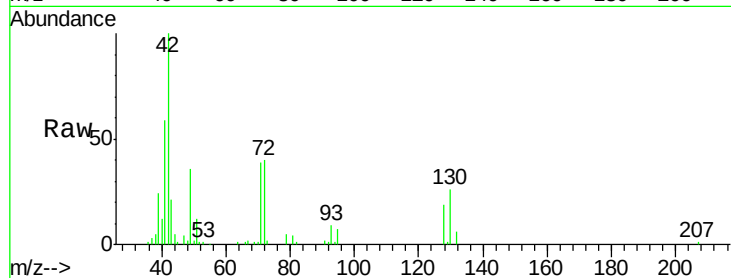
#29
Tetrahydrofuran
Concen: 92.854 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.2	49.8
71	37.5	31.1	46.7

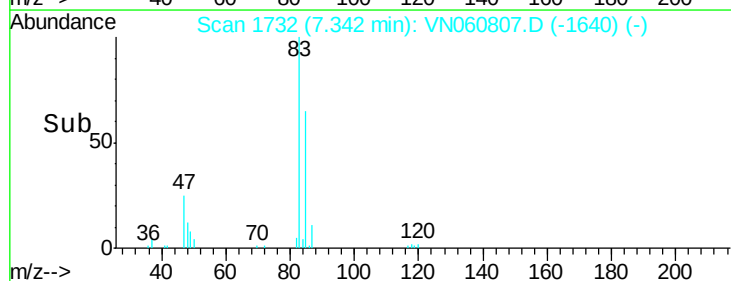
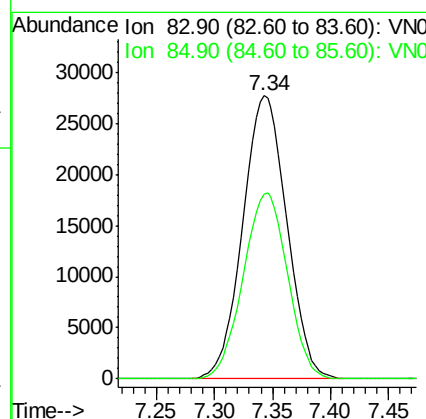
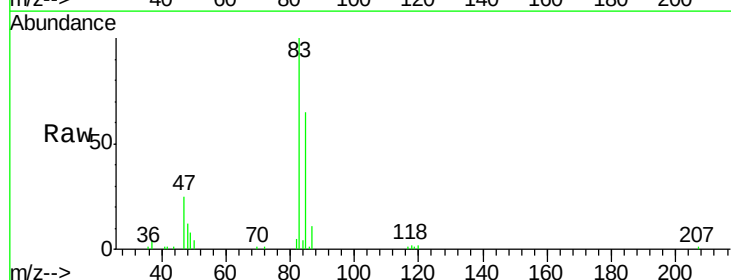
Manual Integrations
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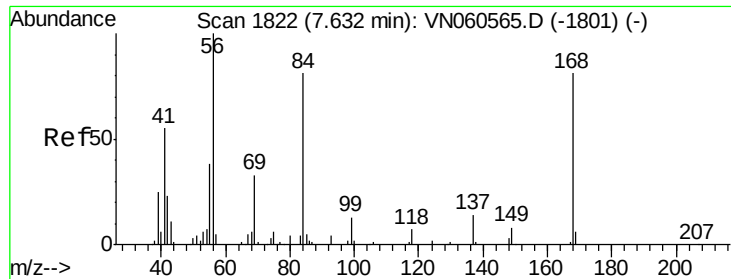
MMDadoda
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#30
Chloroform
Concen: 18.127 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





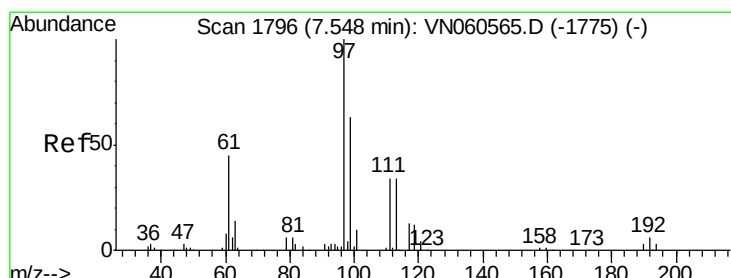
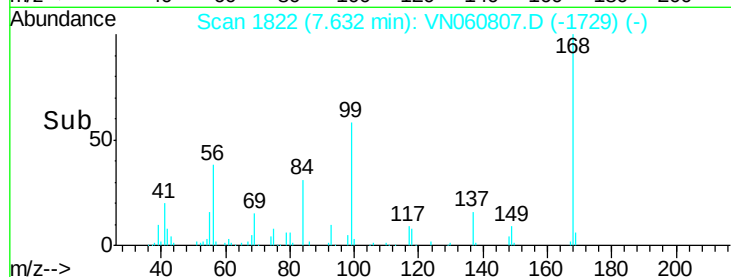
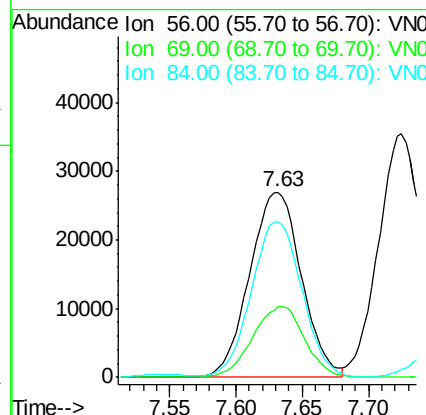
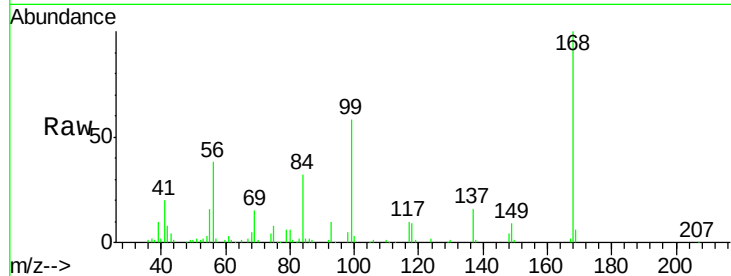
#31
Cyclohexane
Concen: 17.324 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.6	40.0
84	83.2	64.3	96.5

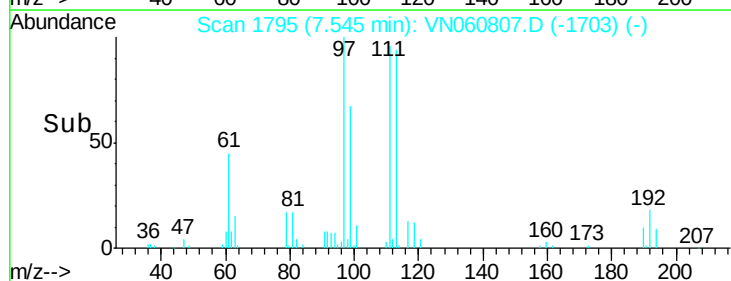
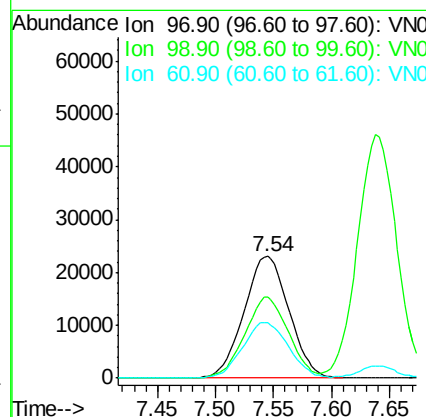
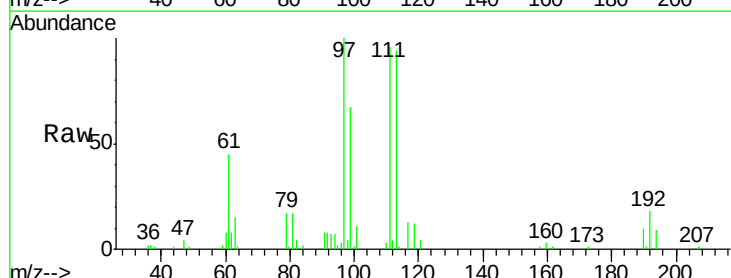
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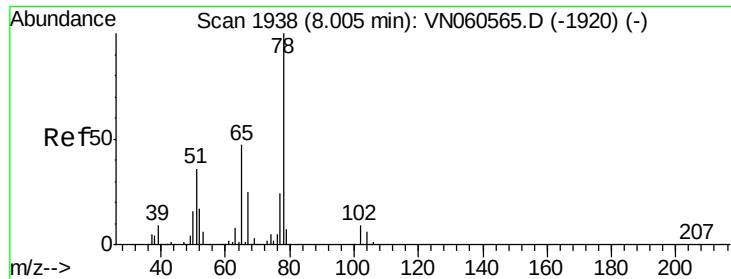
MMDadoda
4/2/2020 10:13:54 AM



#32
1,1,1-Trichloroethane
Concen: 17.935 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	75.8
61	46.7	36.2	54.4





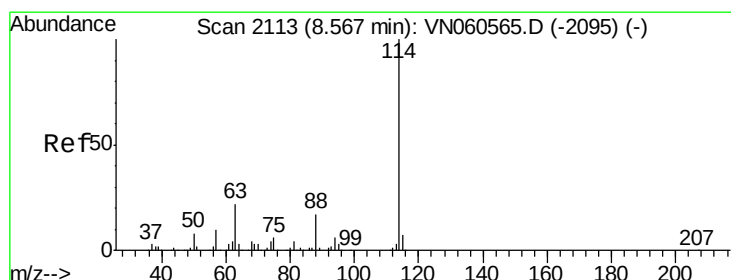
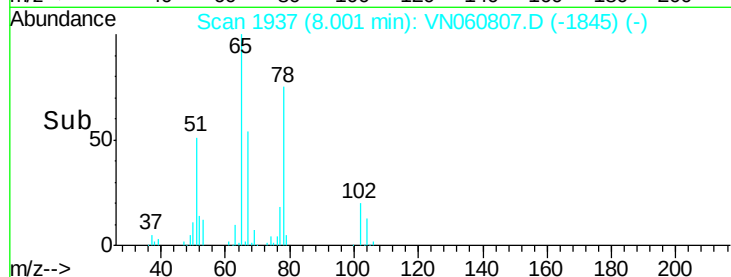
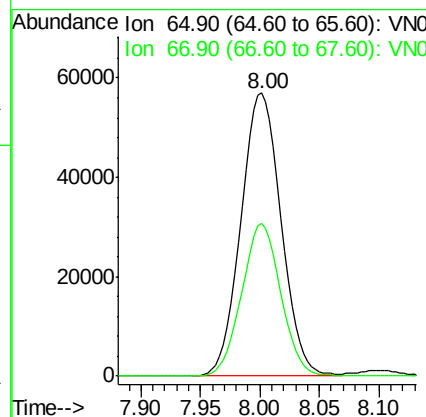
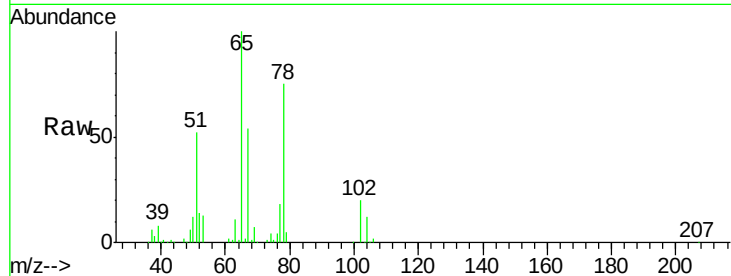
#33
 1,2-Dichloroethane-d4
 Concen: 50.637 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	107.6	

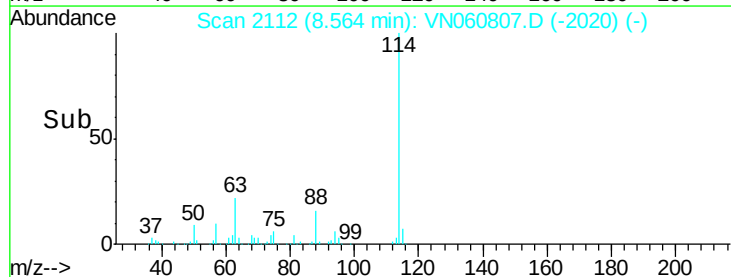
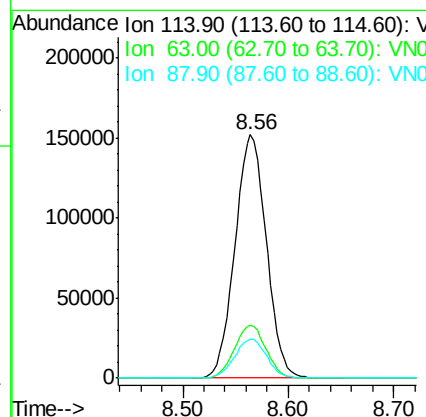
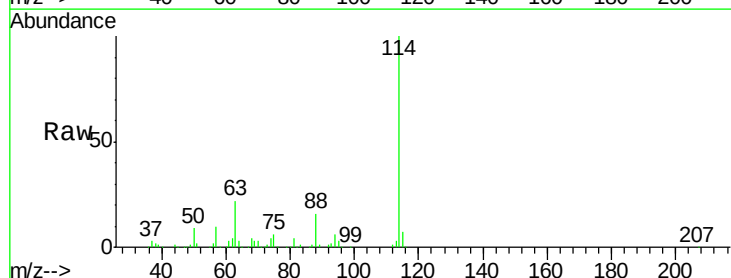
Manual Integrations
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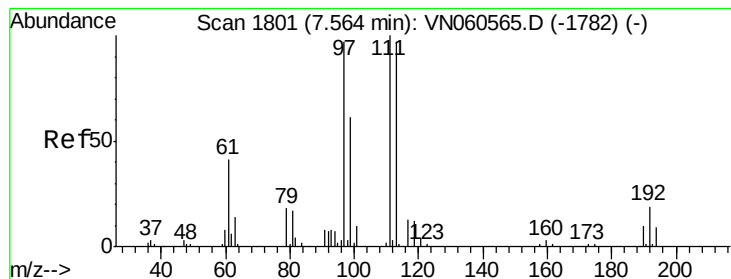
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	43.8	
88	16.1	0.0	33.0	





#35

Dibromofluoromethane

Concen: 51.938 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

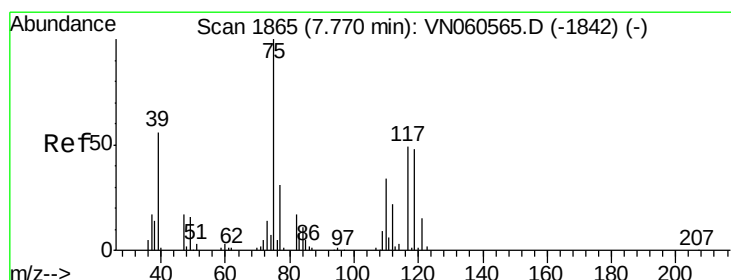
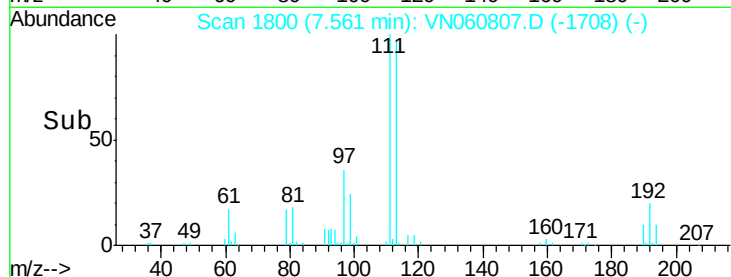
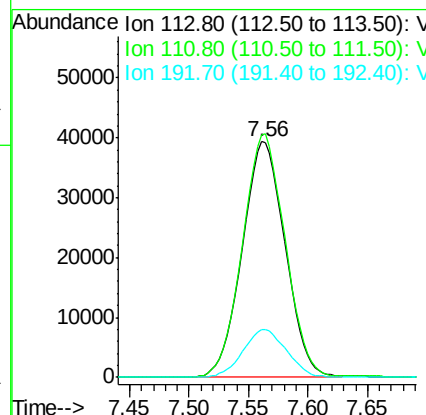
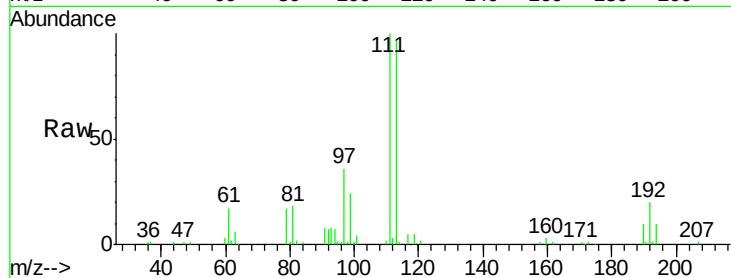
ClientSampleId :

VN0401WBSD01

Tot Ion:	113	Resp:	98421
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	20.5	15.8	23.8

Manual Integrations
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4/2/2020 10:13:54 AM



#36

1,1-Dichloropropene

Concen: 18.392 ug/l

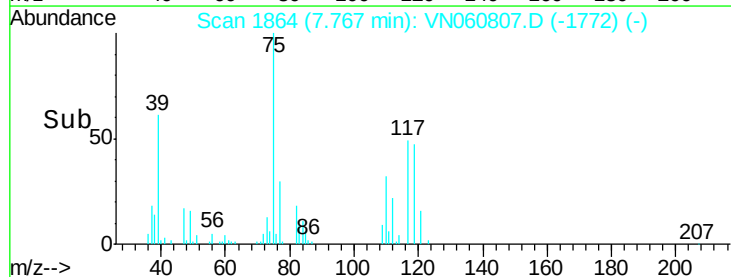
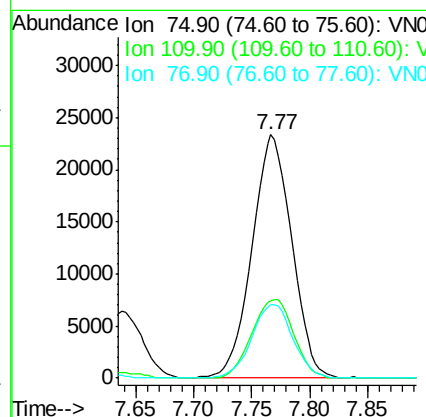
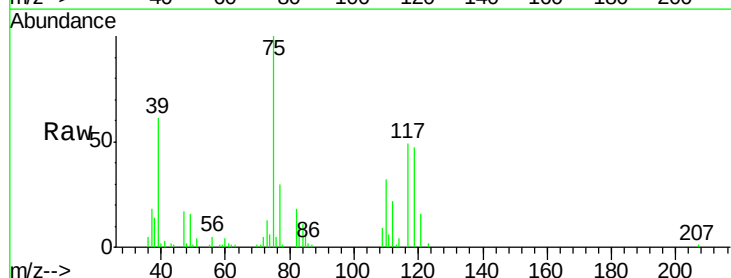
RT: 7.77 min Scan# 1864

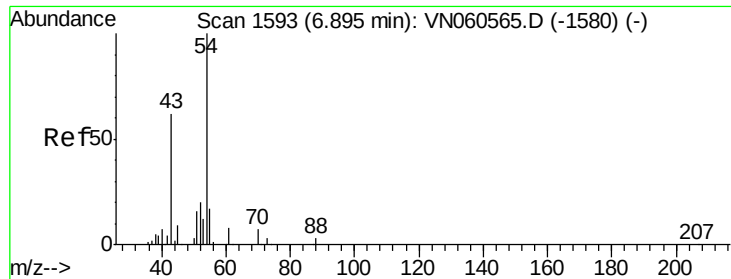
Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	75	Resp:	55813
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.2	24.6	36.8





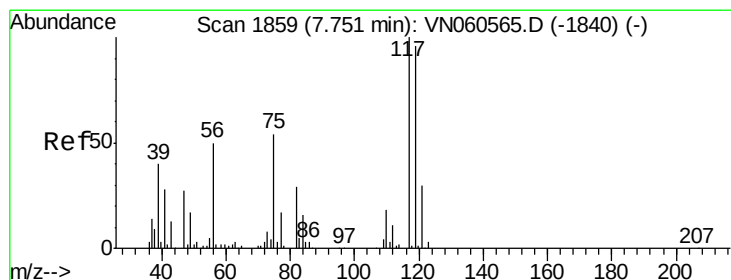
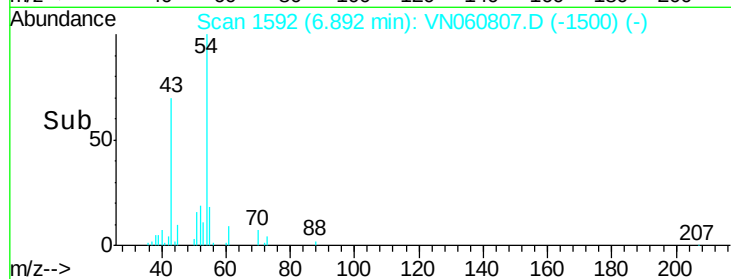
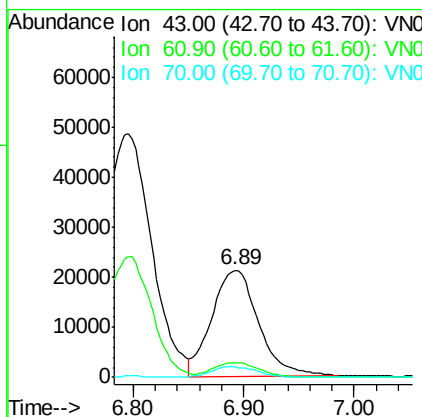
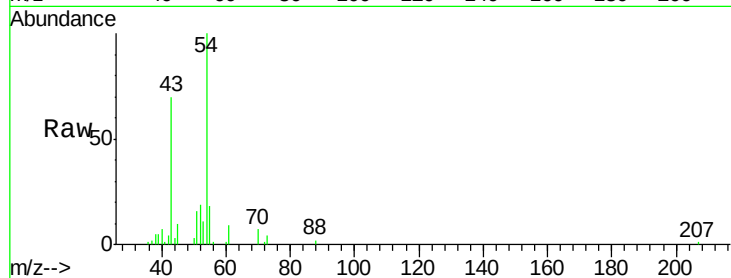
#37
Ethyl Acetate
Concen: 18.846 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	9.8	7.9	11.9

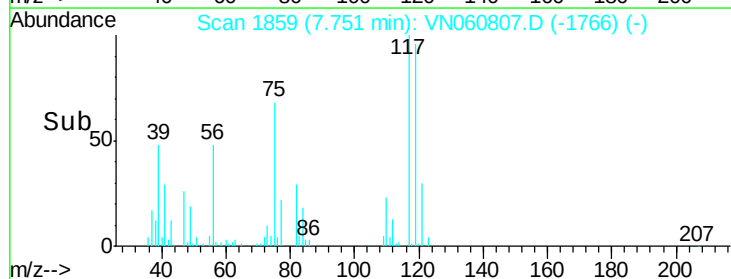
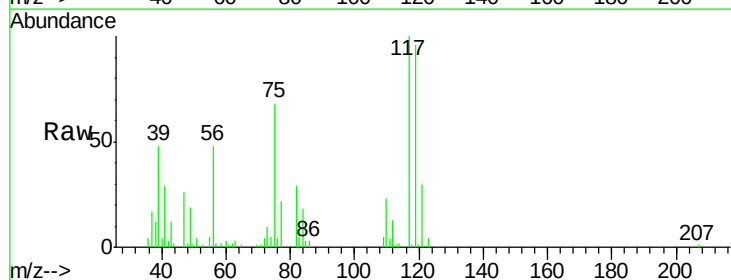
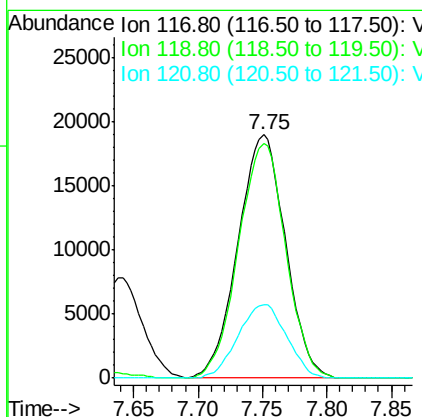
Manual Integrations
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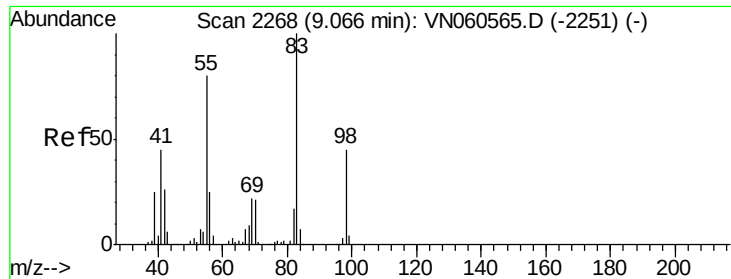
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#38
Carbon Tetrachloride
Concen: 17.880 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.2
121	30.0	23.7	35.5





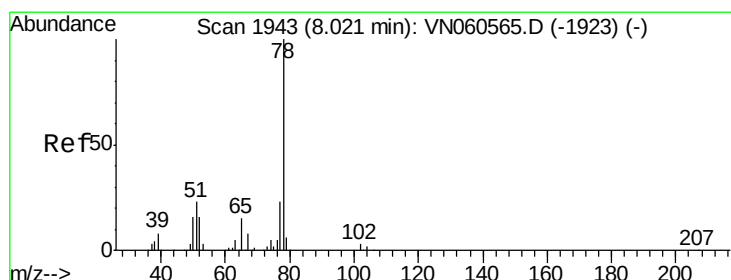
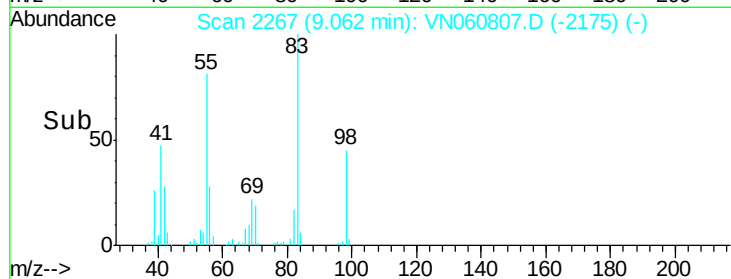
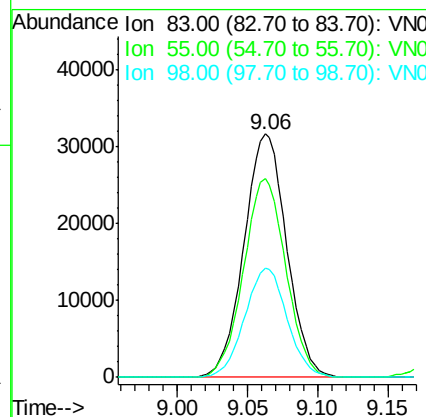
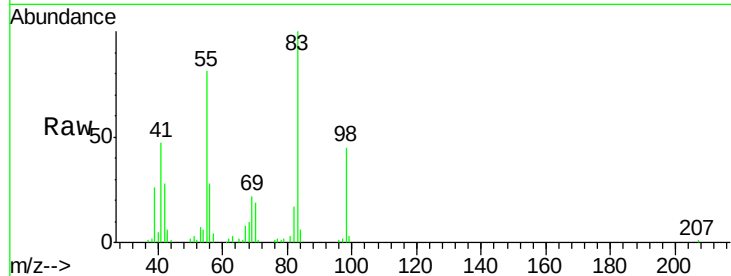
#39
Methylvlcyclohexane
Concen: 18.522 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	83.00	Resp	66793
Ion Ratio	Lower	Upper	
83	100		
55	81.4	63.6	95.4
98	44.6	36.0	54.0

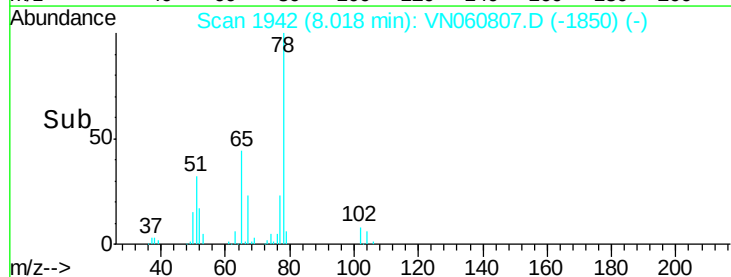
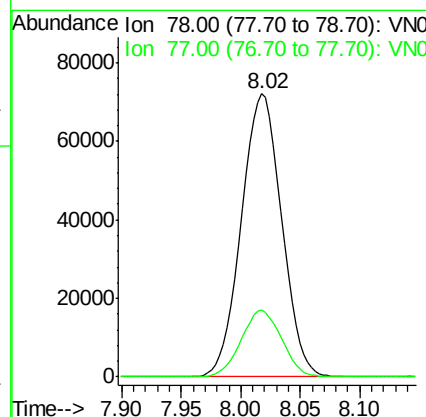
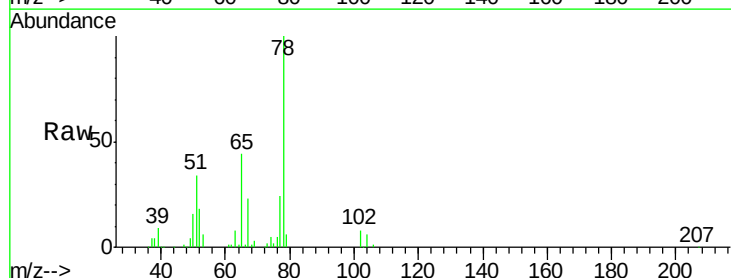
Manual Integrations
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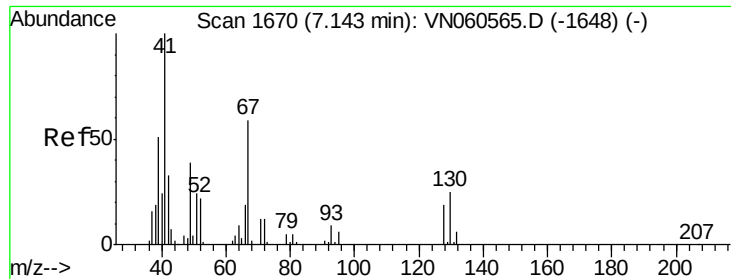
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#40
Benzene
Concen: 18.507 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	78.00	Resp	169540
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.6	28.0





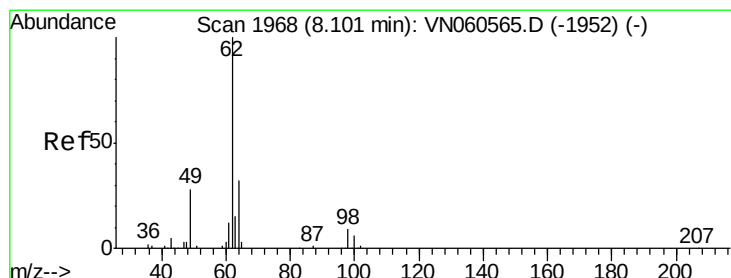
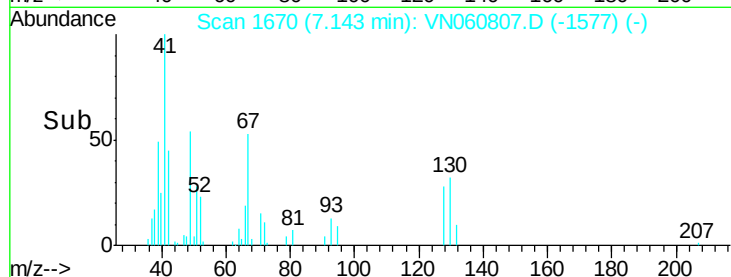
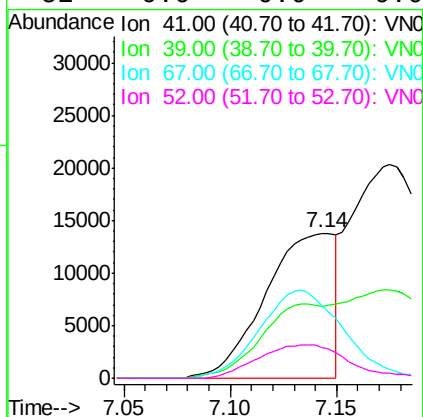
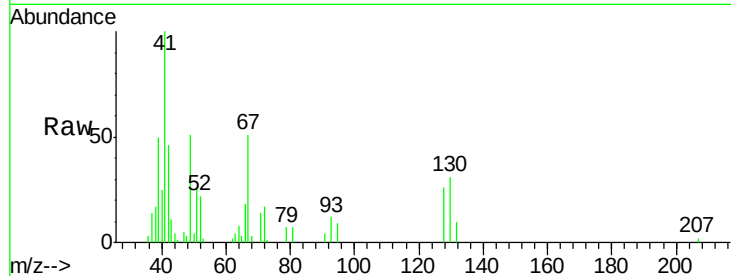
#41
Methacrylonitrile
Concen: 22.393 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

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

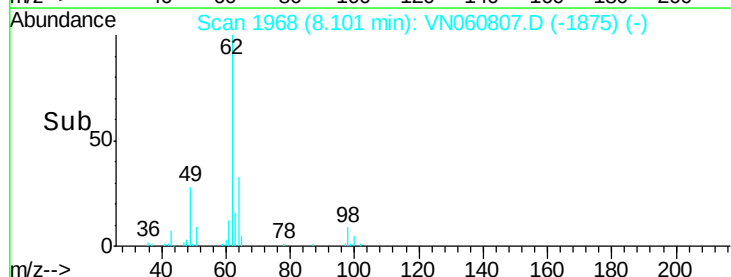
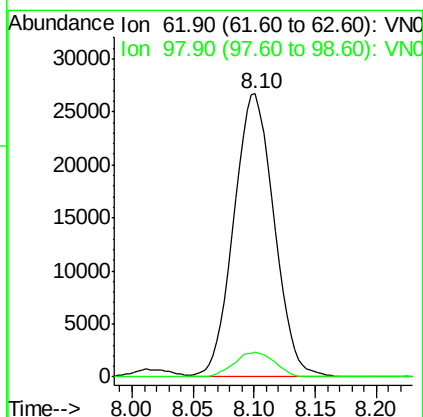
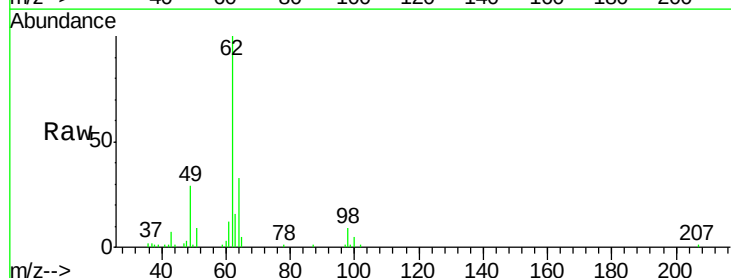
Manual Integrations
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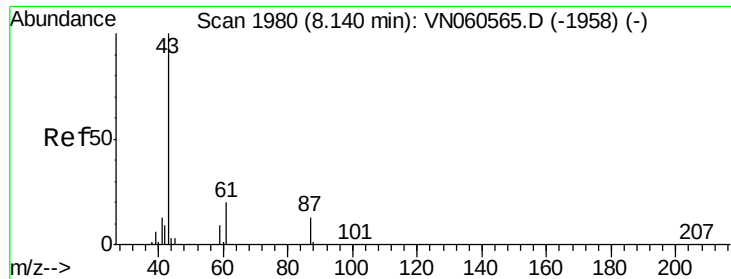
MMDadoda
4/2/2020 10:13:54 AM



#42
1,2-Dichloroethane
Concen: 19.572 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.103 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

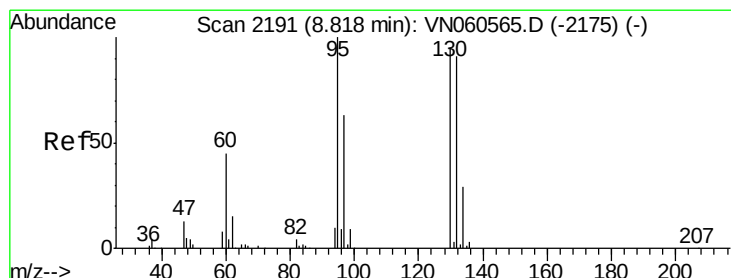
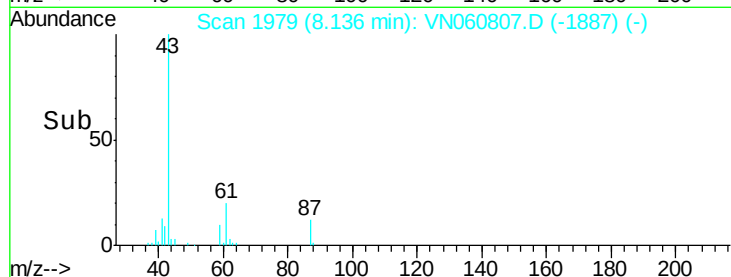
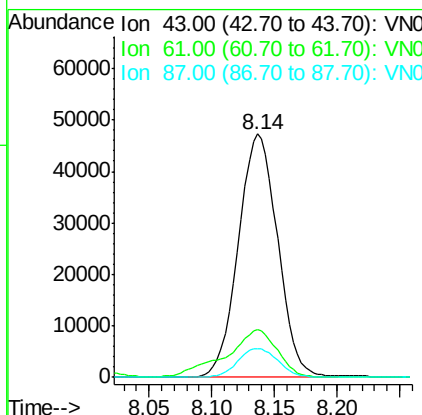
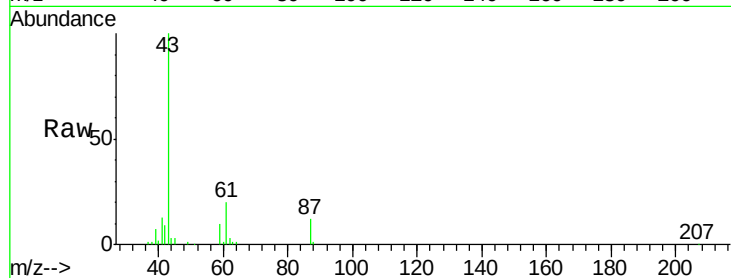
ClientSampleId :

VN0401WBSD01

Tot Ion:	43	Resp:	103302
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	12.2	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 18.792 ug/l

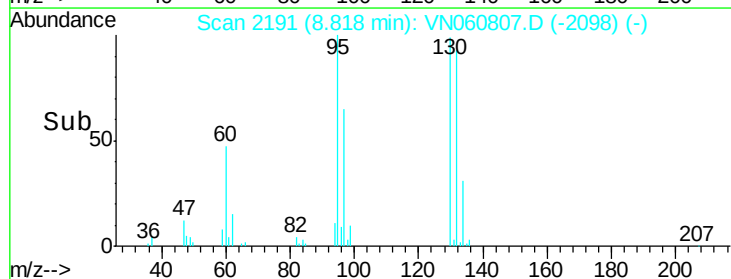
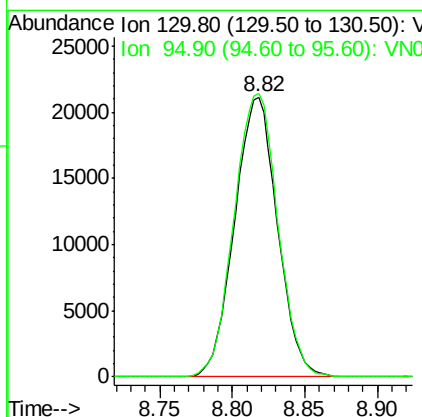
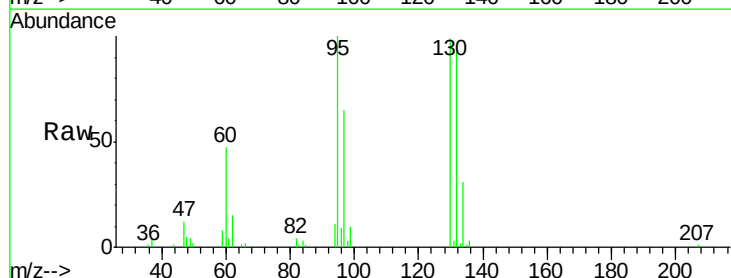
RT: 8.82 min Scan# 2191

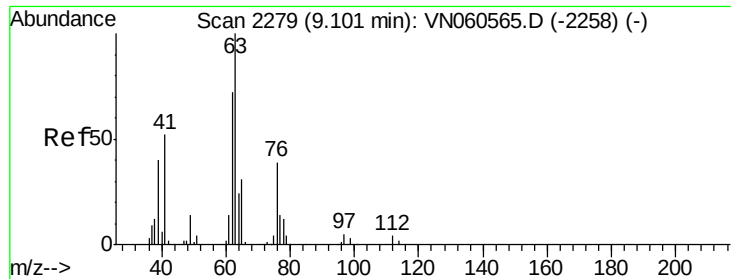
Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	130	Resp:	43396
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	211.2





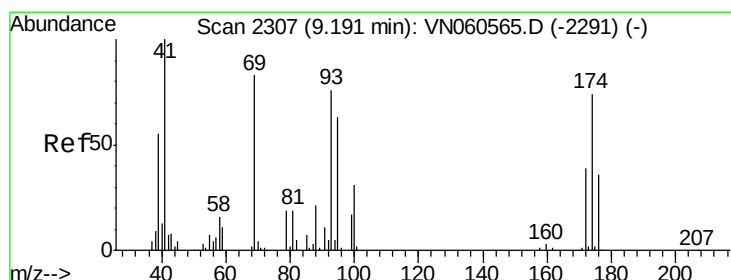
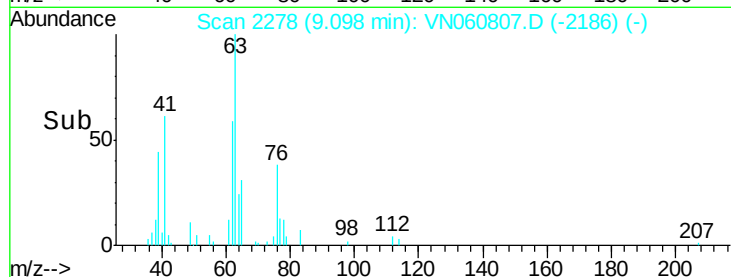
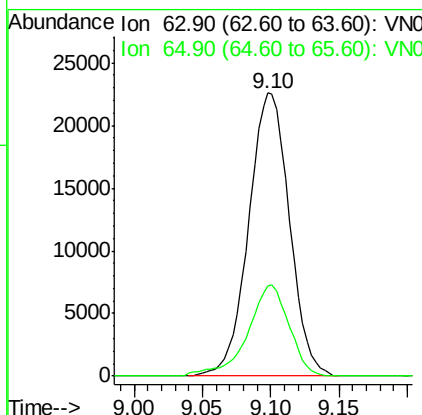
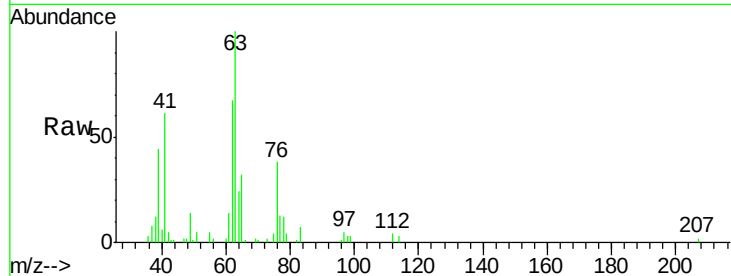
#45
 1,2-Dichloropropane
 Concen: 19.379 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Tot Ion: 63 Resp: 46843
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0

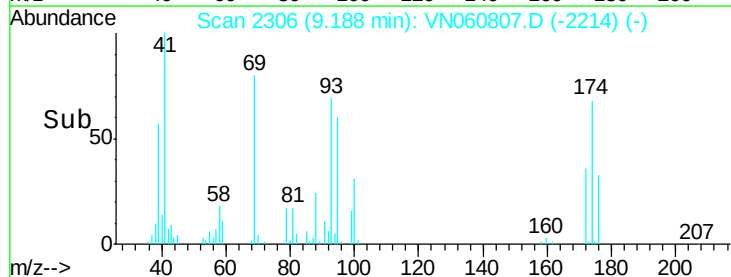
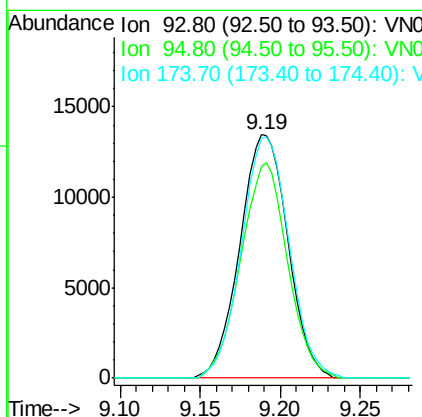
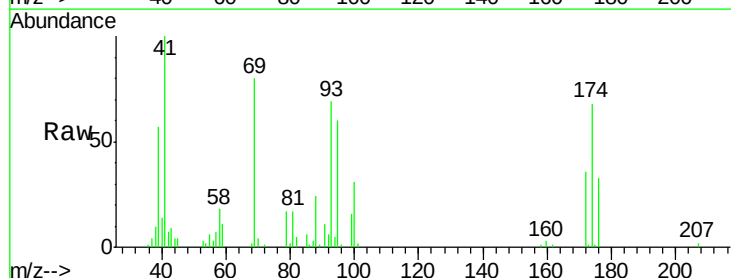
Manual Integrations
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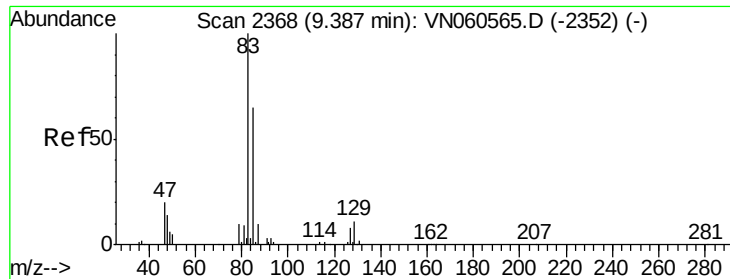
MMDadoda
 4/2/2020 10:13:54 AM



#46
 Dibromomethane
 Concen: 18.906 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion: 93 Resp: 27628
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.2 99.4
 174 98.5 77.9 116.9





#47

Bromodichloromethane

Concen: 19.085 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

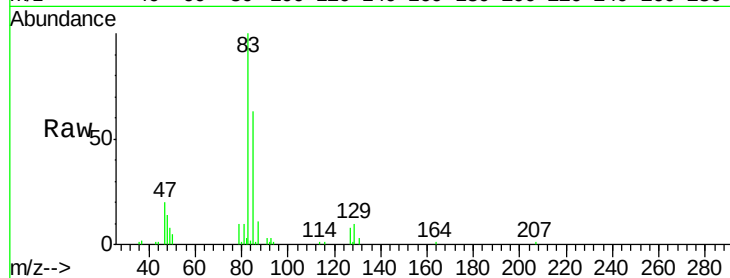
ClientSampled :

VN0401WBSD01

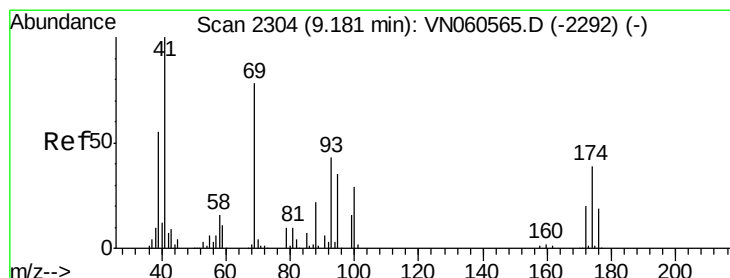
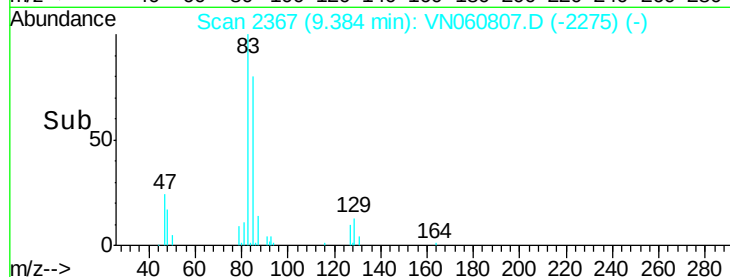
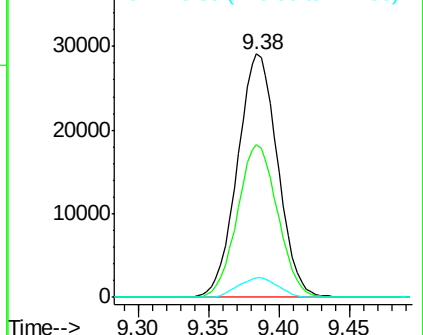
Tot Ion:	83	Resp:	57954
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.6
127	8.0	6.5	9.7

Manual Integrations
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MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN060807.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.530 ug/l

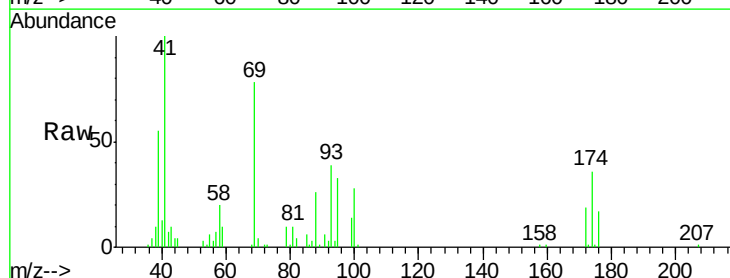
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

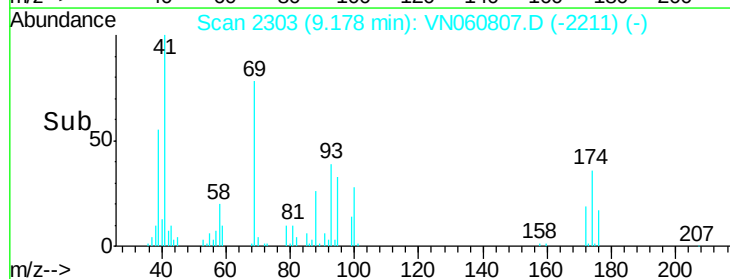
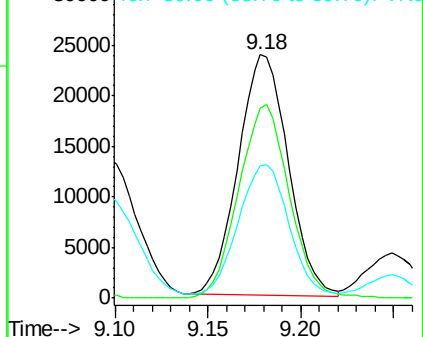
Lab File: VN060807.D

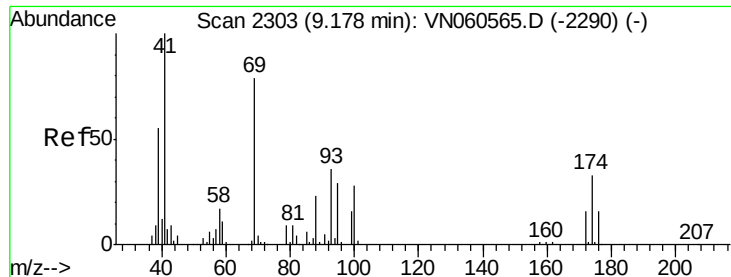
Acq: 1 Apr 2020 13:44

Tgt Ion:	41	Resp:	44613
Ion	Ratio	Lower	Upper
41	100		
69	81.7	65.4	98.0
39	57.9	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060807.D (-2211) (-)





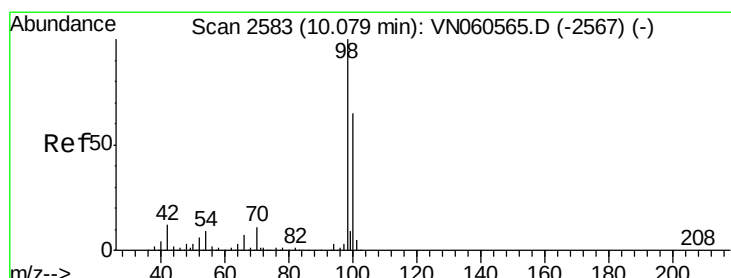
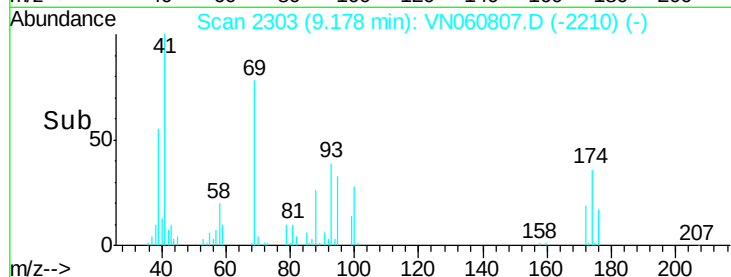
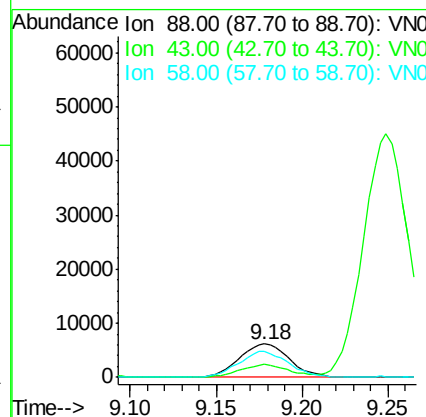
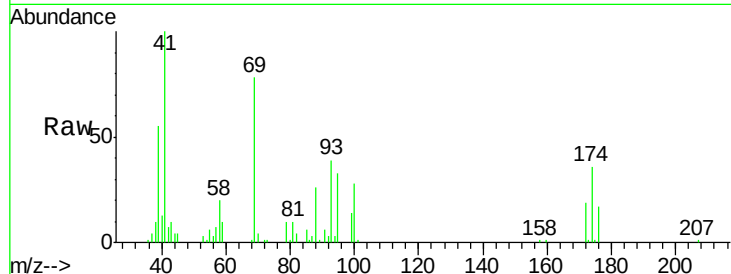
#49
1,4-Dioxane
Concen: 439.107 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	88	Resp	12566
Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.8	46.2
58	76.2	59.8	89.8

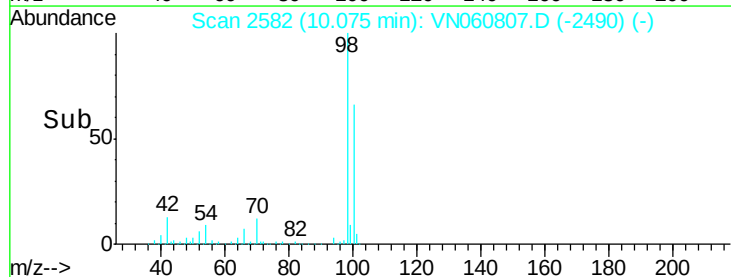
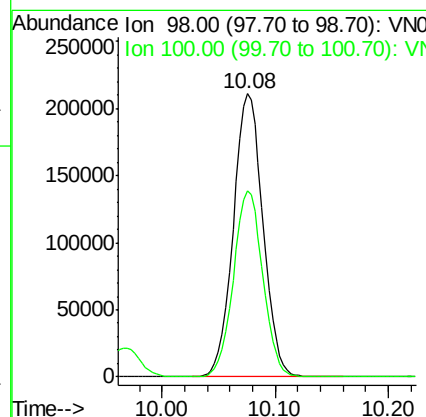
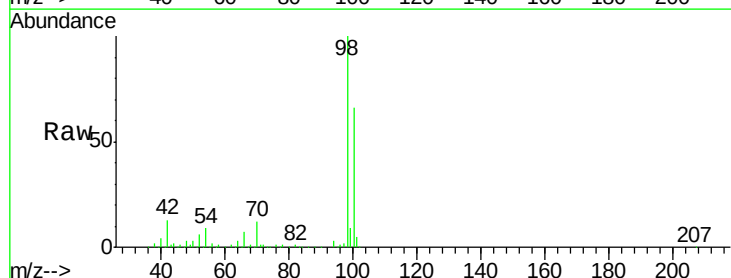
Manual Integrations
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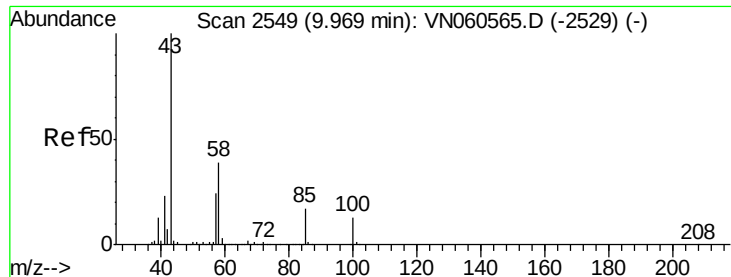
MMDadoda
4/2/2020 10:13:54 AM



#50
Toluene-d8
Concen: 49.618 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	98	Resp	384048
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 96.807 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampled :

VN0401WBSD01

Tot Ion: 43 Resp: 297888

Ion Ratio Lower Upper

43 100

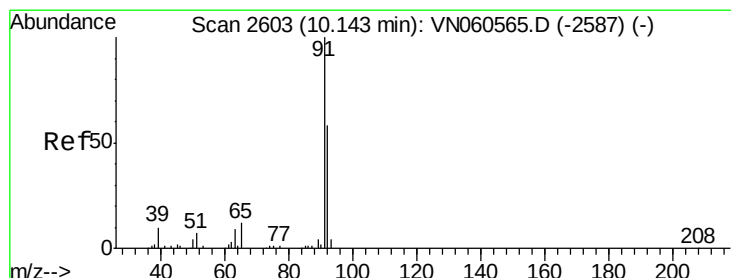
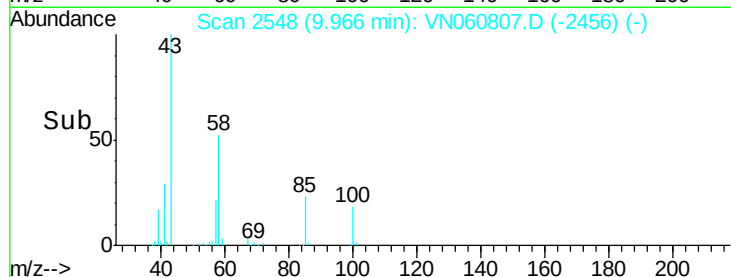
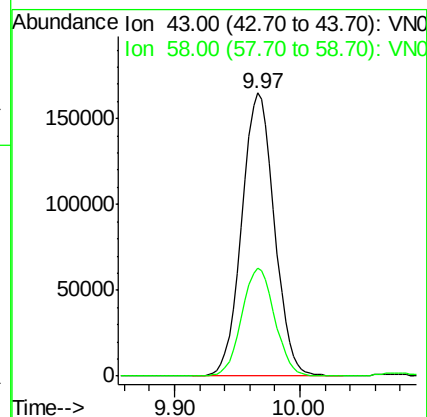
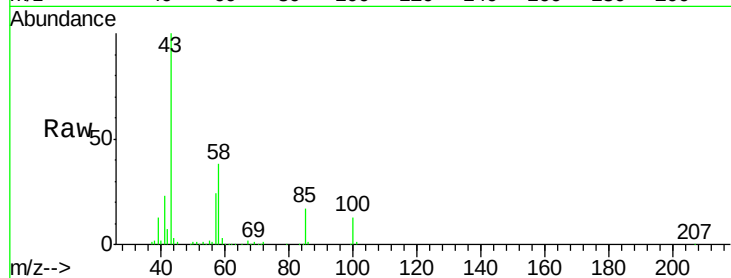
58 38.5 30.8 46.2

Manual Integrations

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MMDadoda

4/2/2020 10:13:54 AM



#52

Toluene

Concen: 18.552 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060807.D

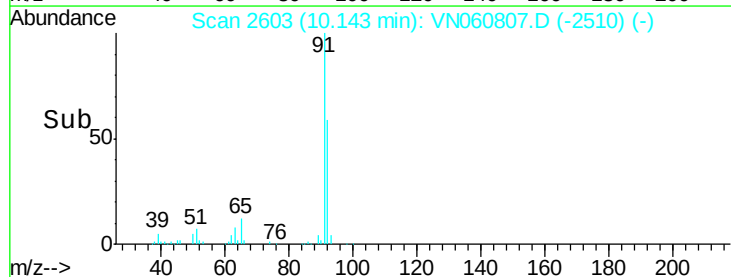
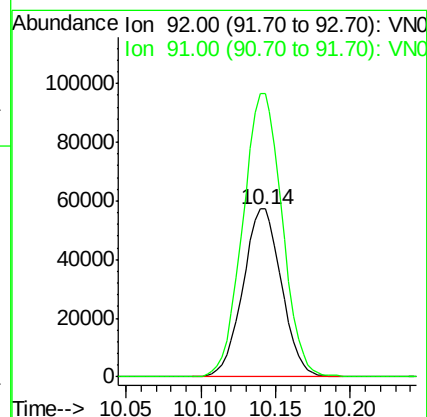
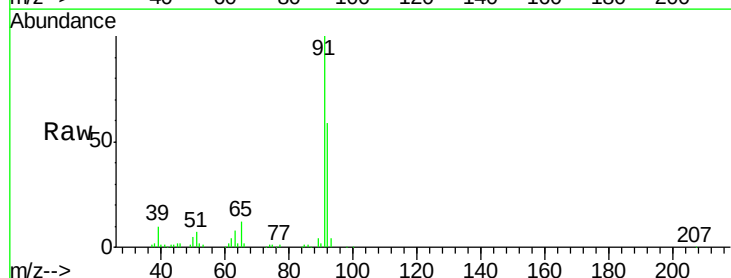
Acq: 1 Apr 2020 13:44

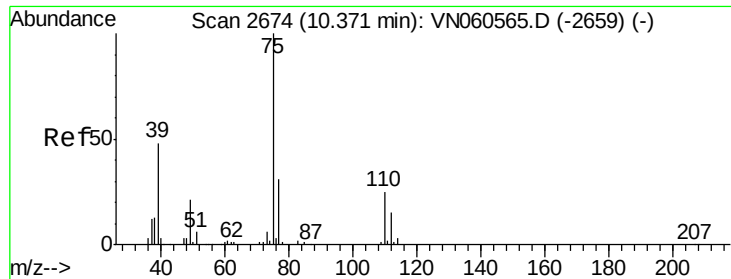
Tgt Ion: 92 Resp: 102638

Ion Ratio Lower Upper

92 100

91 172.2 137.6 206.4





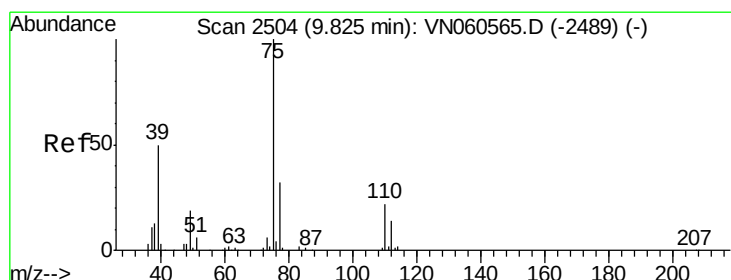
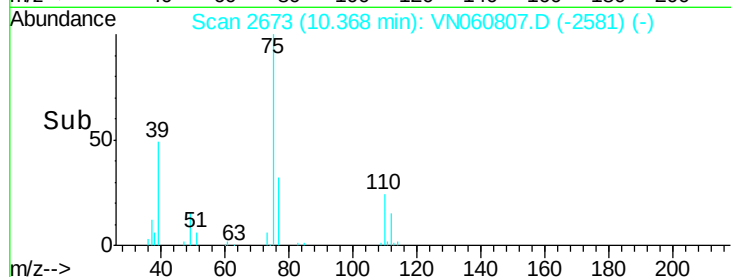
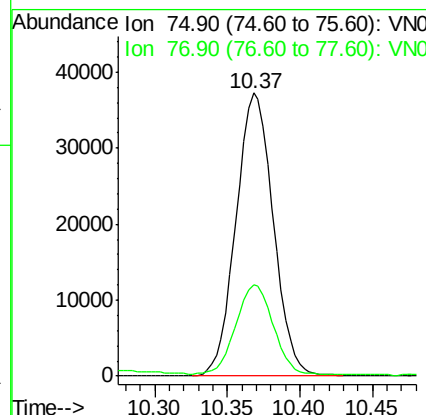
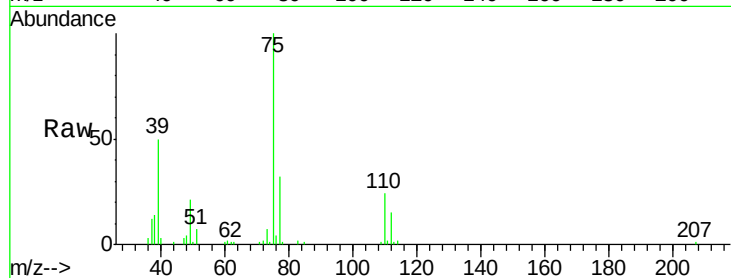
#53
t-1,3-Dichloropropene
Concen: 19.117 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion: 75 Resp: 66683
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7

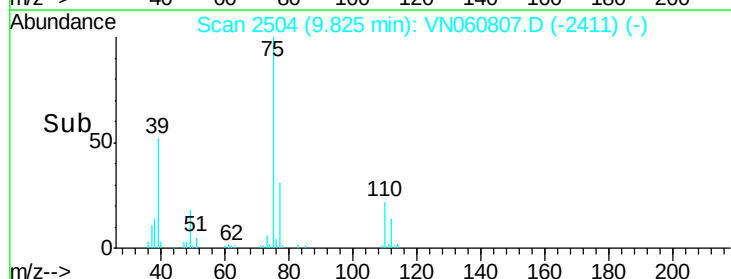
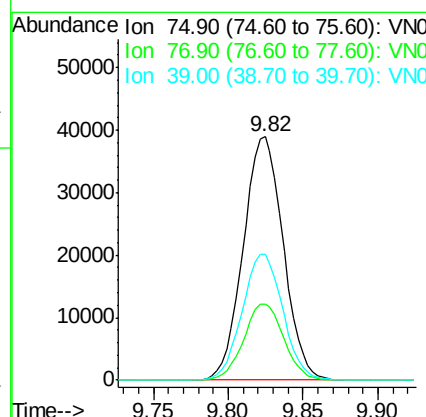
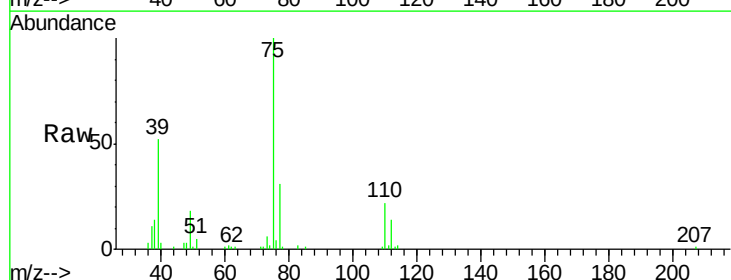
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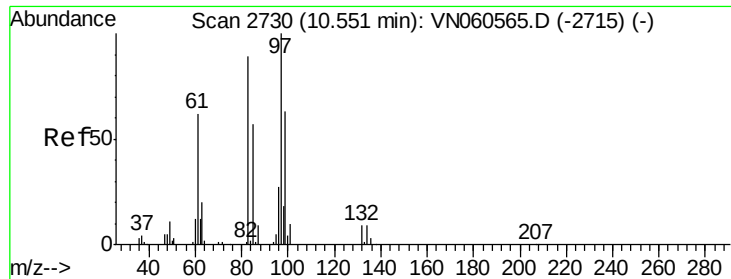
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.988 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion: 75 Resp: 72660
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 51.8 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.155 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

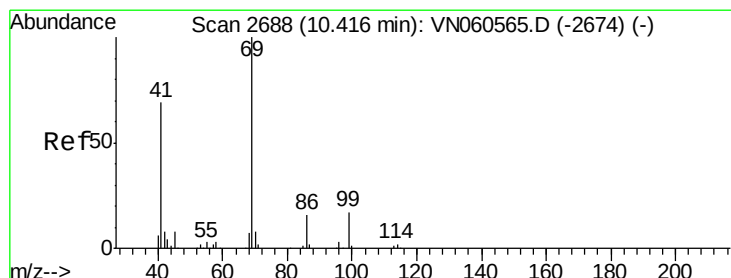
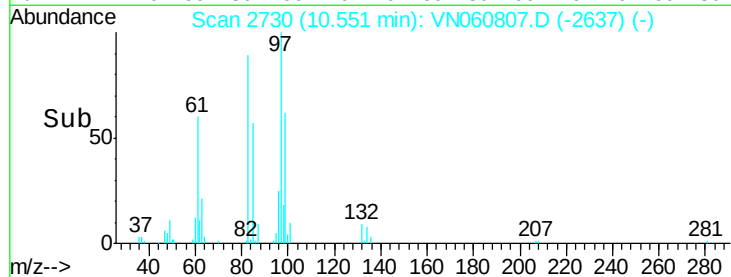
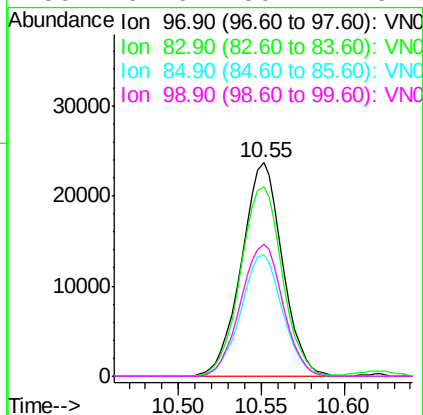
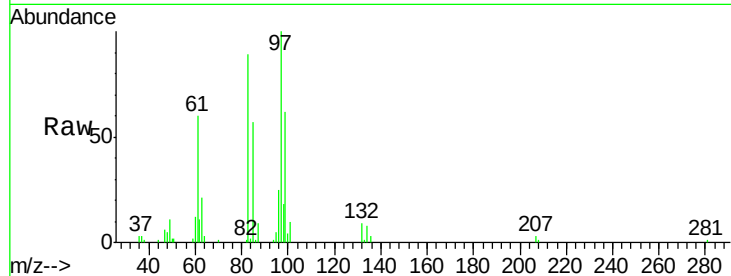
ClientSampled :

VN0401WBSD01

Tot Ion:	97	Resp:	40770
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.3	106.9
85	56.8	45.2	67.8
99	61.6	50.1	75.1

Manual Integrations
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4/2/2020 10:13:54 AM



#56

Ethyl methacrylate

Concen: 18.862 ug/l

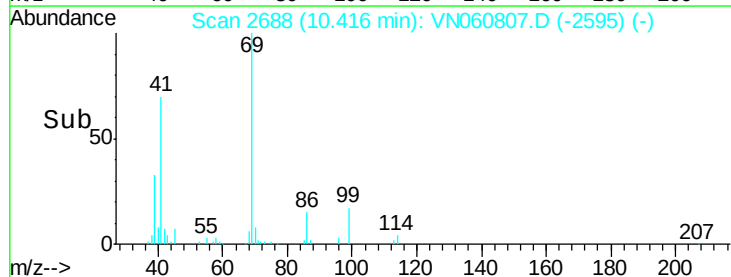
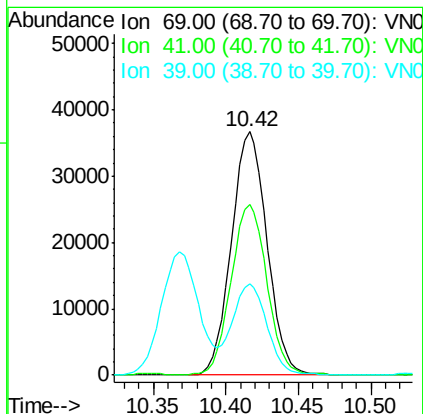
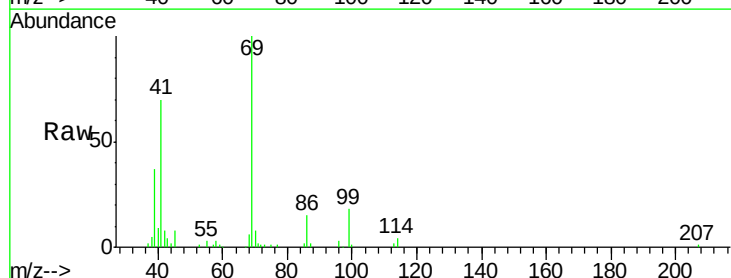
RT: 10.42 min Scan# 2688

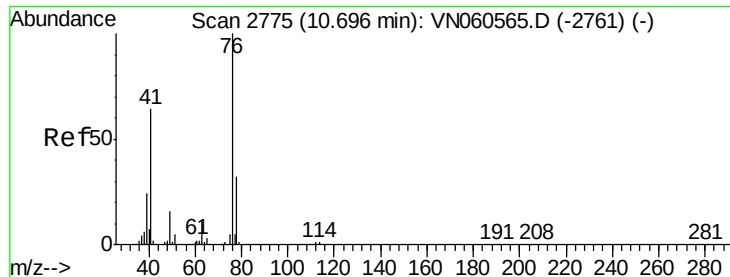
Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	69	Resp:	62596
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.4	83.2
39	36.8	29.4	44.0





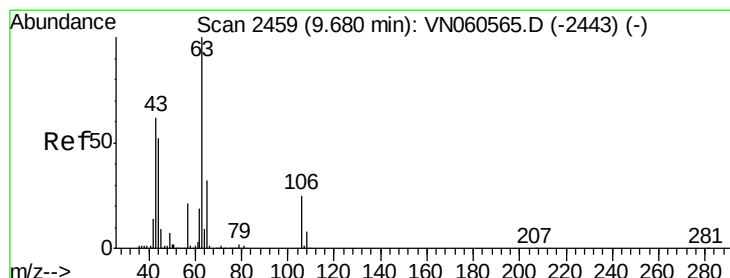
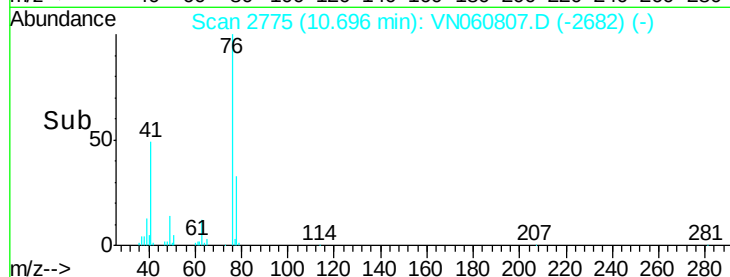
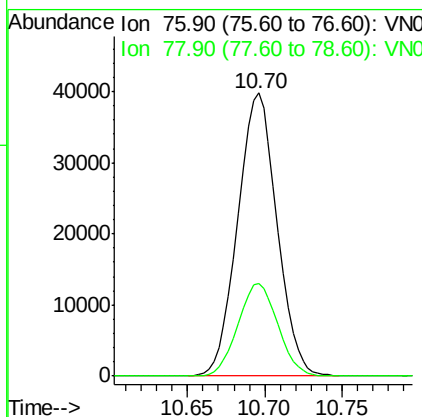
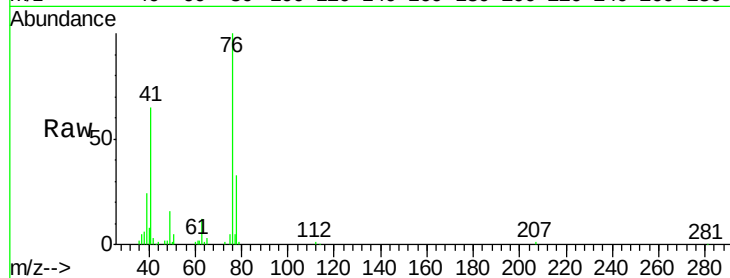
#57
 1,3-Dichloropropane
 Concen: 19.036 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.6

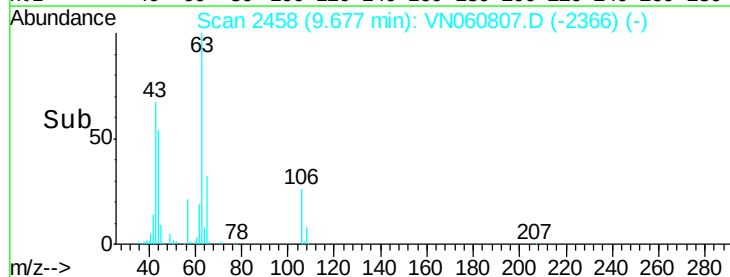
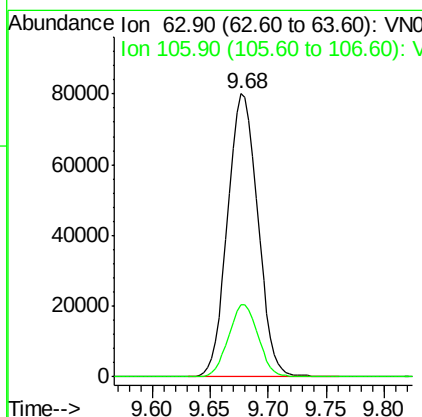
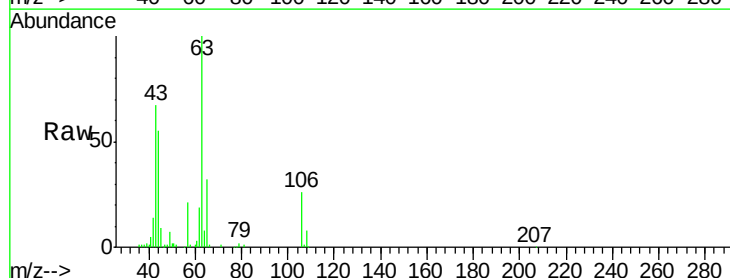
Manual Integrations
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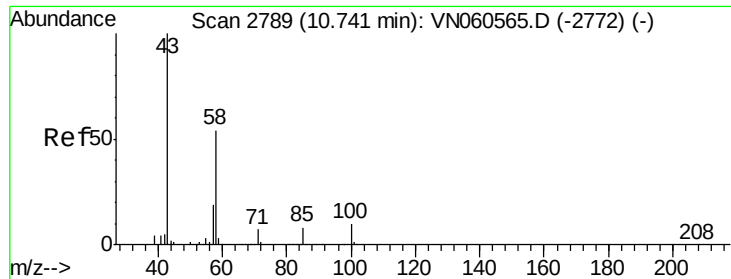
MMDadoda
 4/2/2020 10:13:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.724 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.0	30.0





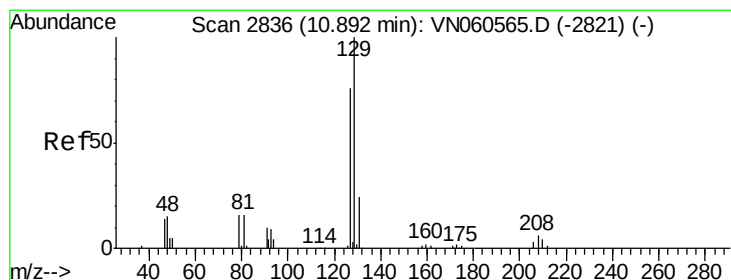
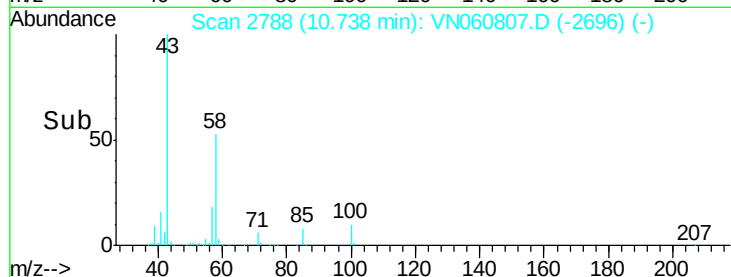
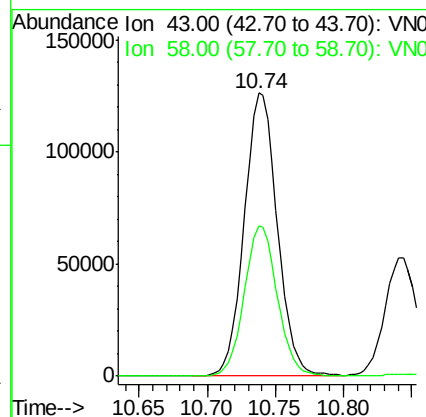
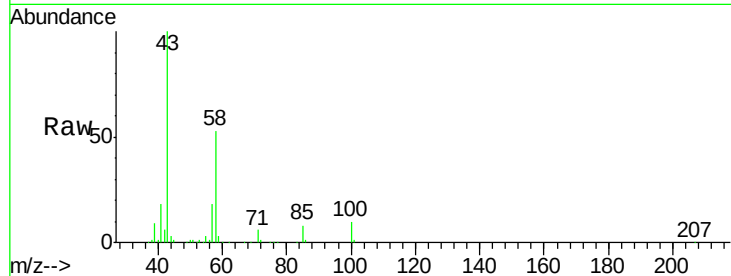
#59
2-Hexanone
Concen: 96.042 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion: 43 Resp: 212889
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1

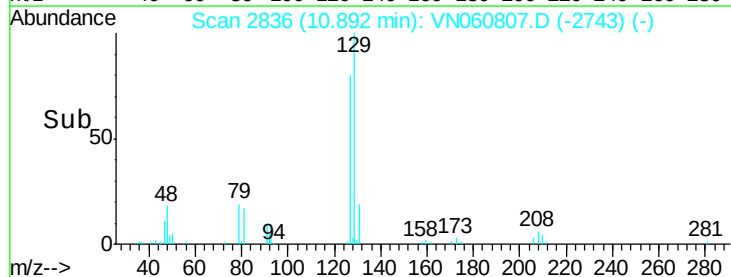
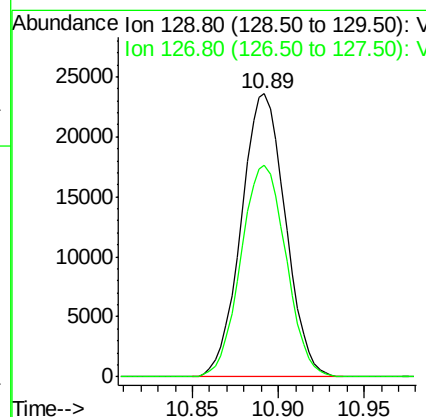
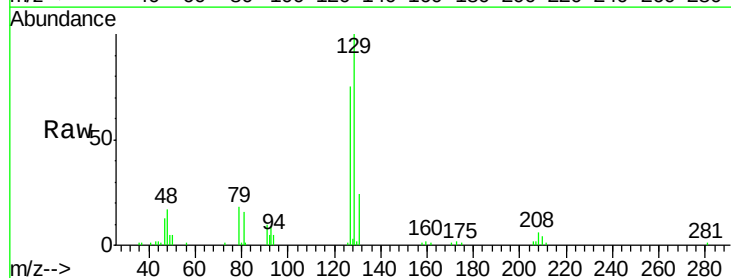
Manual Integrations
APPROVED

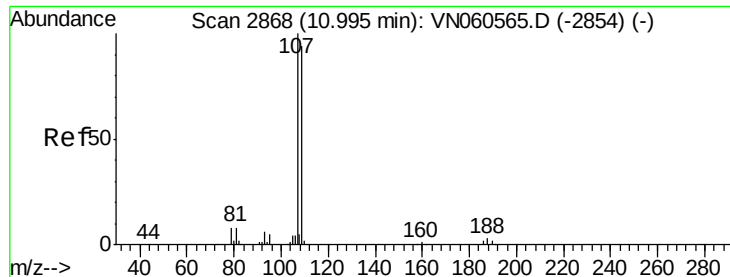
MMDadoda
4/2/2020 10:13:54 AM



#60
Dibromochloromethane
Concen: 19.169 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion: 129 Resp: 42143
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





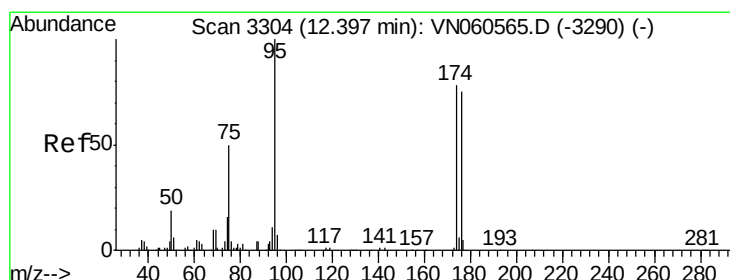
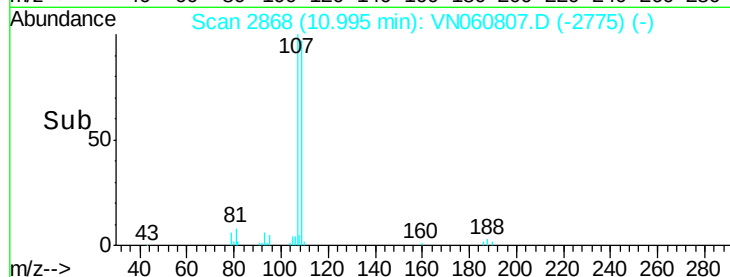
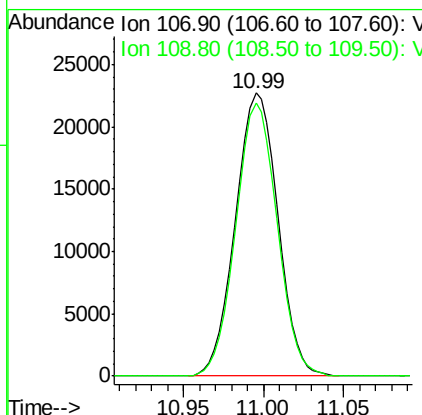
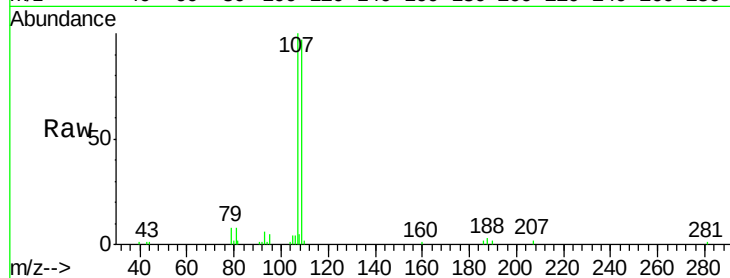
#61
 1,2-Dibromoethane
 Concen: 19.217 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBSD01

Tot Ion: 107 Resp: 41129
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.2

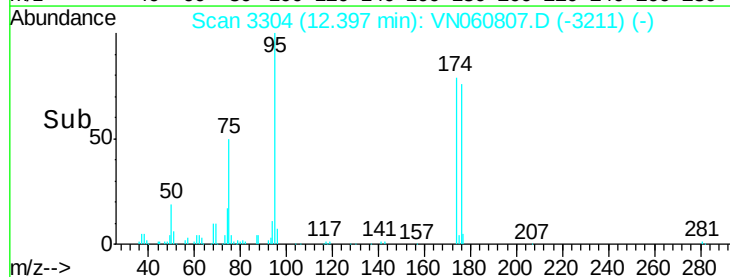
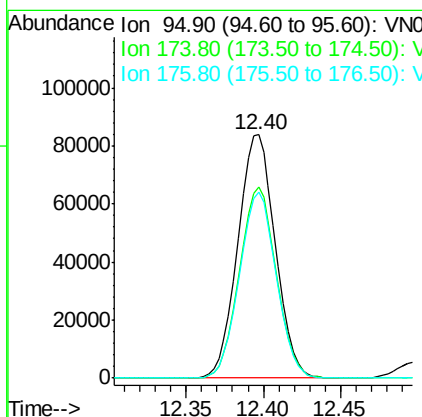
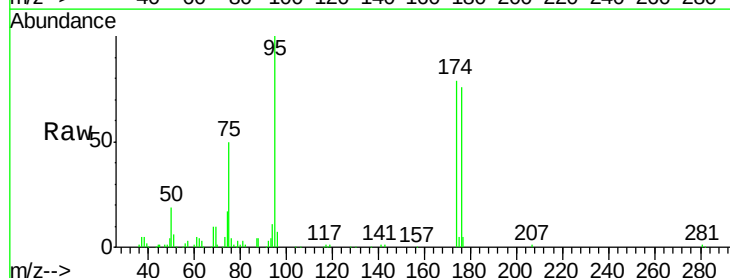
Manual Integrations
 APPROVED

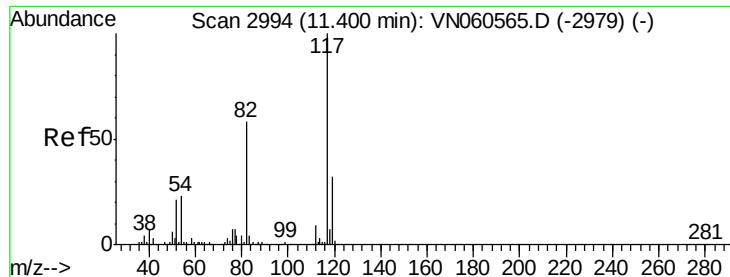
MMDadoda
 4/2/2020 10:13:54 AM



#62
 4-Bromofluorobenzene
 Concen: 49.604 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion: 95 Resp: 140711
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 157.6
 176 75.2 0.0 150.6





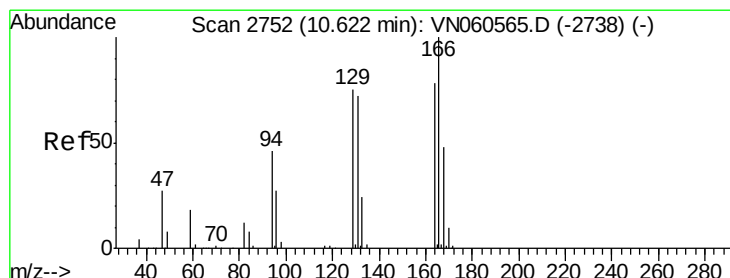
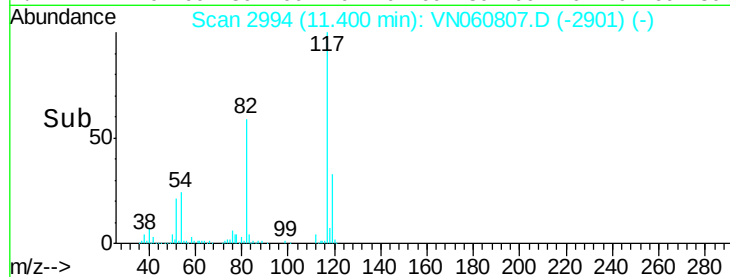
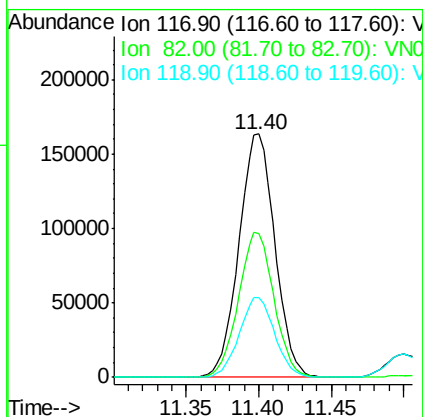
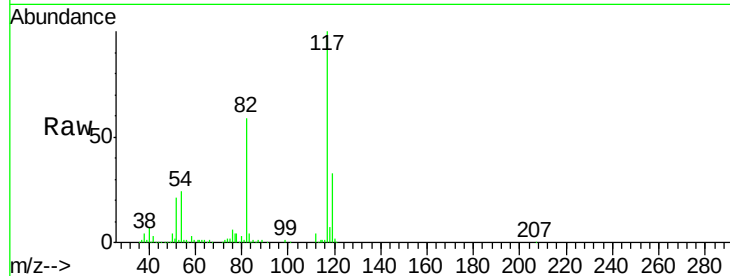
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.7	70.1
119	32.8	25.5	38.3

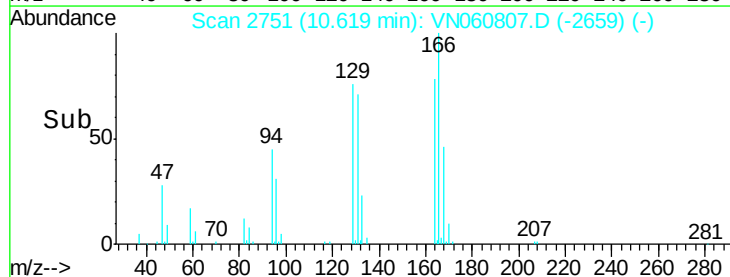
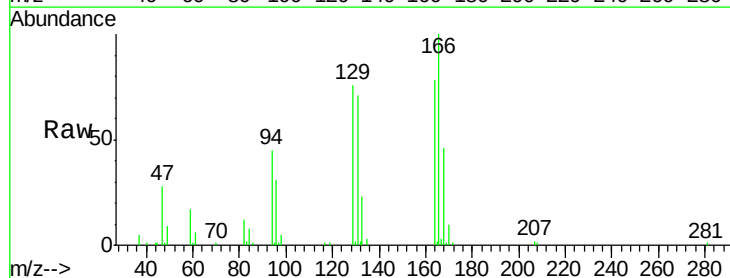
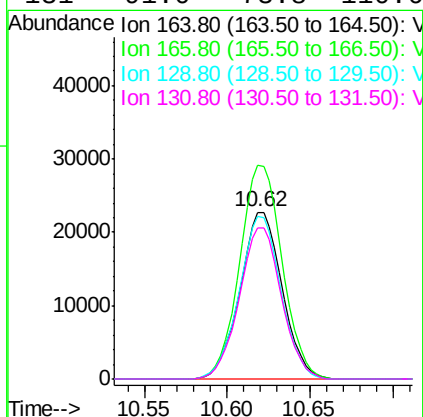
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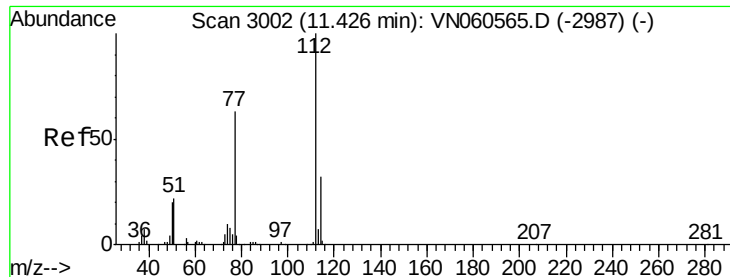
MMDadoda
4/2/2020 10:13:54 AM



#64
Tetrachloroethene
Concen: 18.127 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.7	154.1
129	97.8	77.2	115.8
131	91.0	73.8	110.6





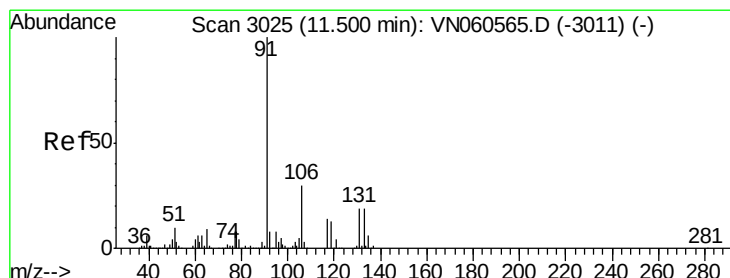
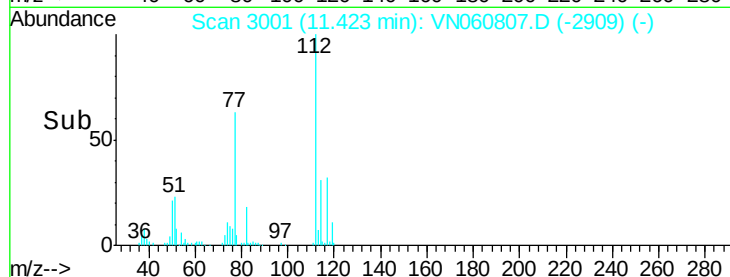
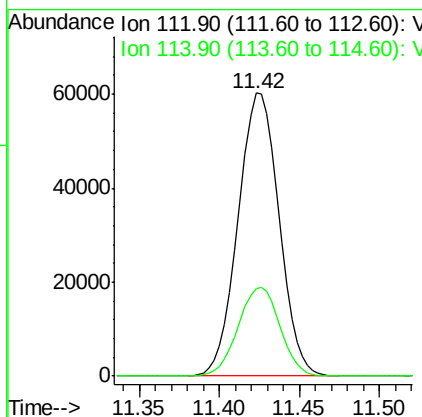
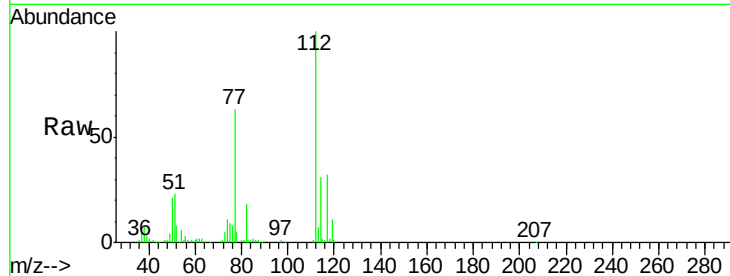
#65
Chlorobenzene
Concen: 18.855 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion:112 Resp: 105428
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

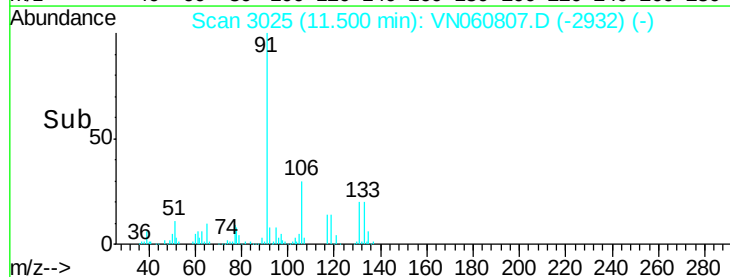
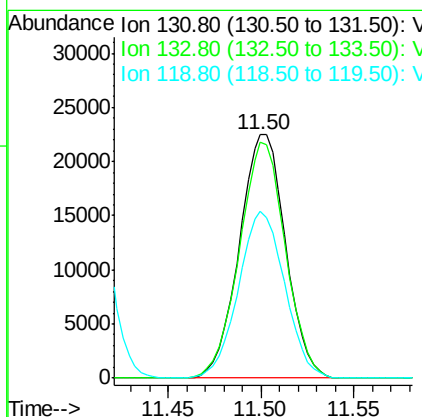
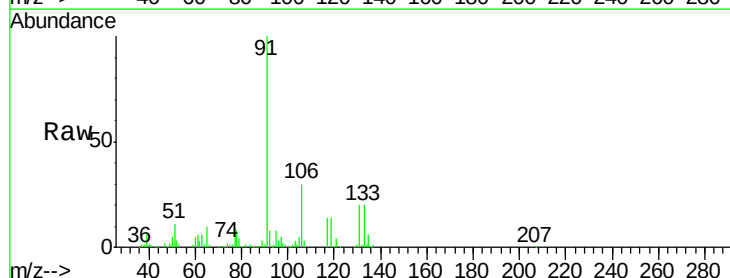
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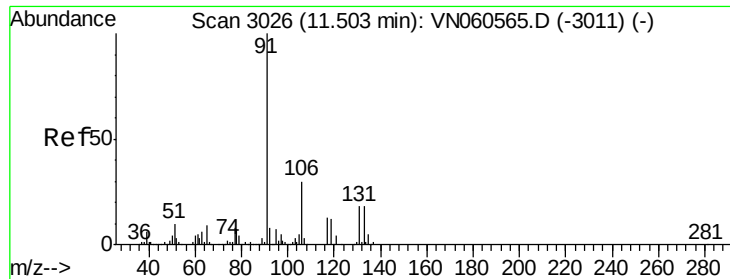
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.288 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion:131 Resp: 39049
Ion Ratio Lower Upper
131 100
133 96.4 48.9 146.8
119 68.5 33.9 101.7





#67

Ethyl Benzene

Concen: 18.812 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampled :

VN0401WBSD01

Tot Ion: 91 Resp: 195614

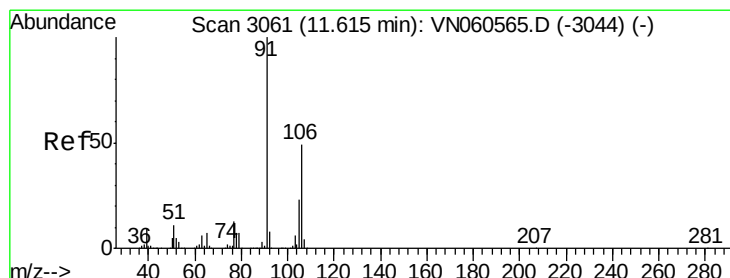
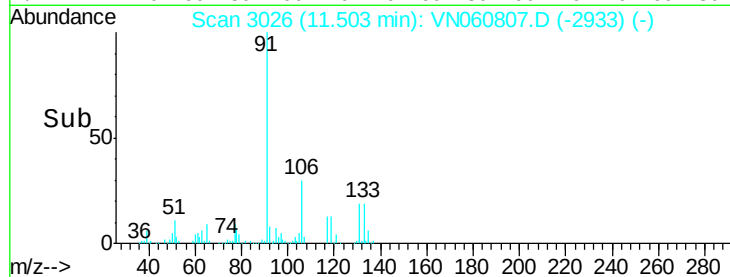
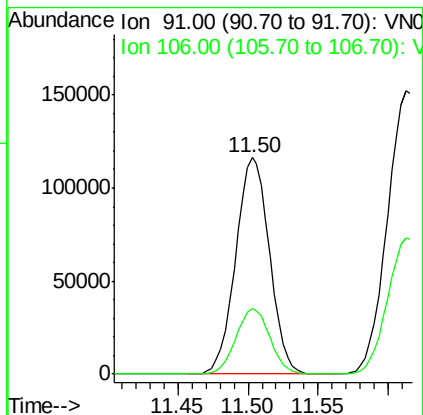
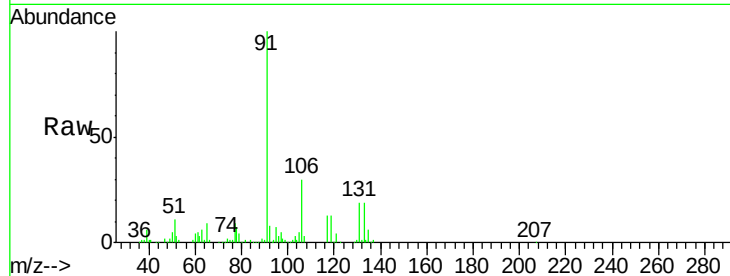
Ion Ratio Lower Upper

91 100

106 30.3 24.2 36.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.106 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060807.D

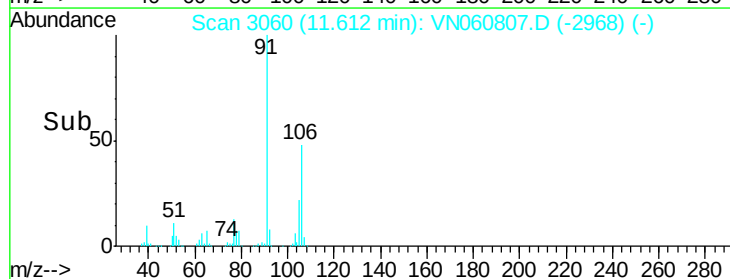
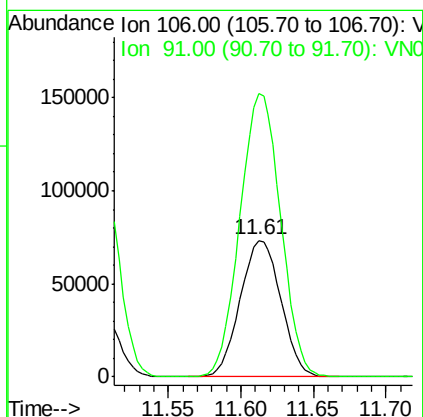
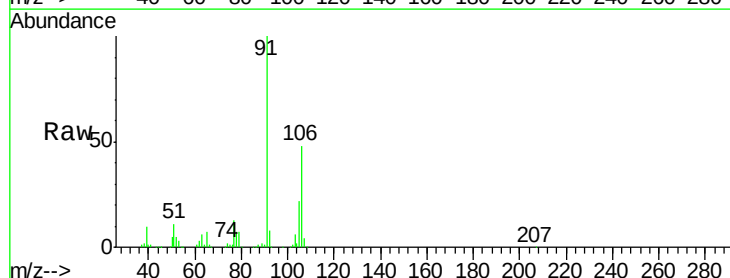
Acq: 1 Apr 2020 13:44

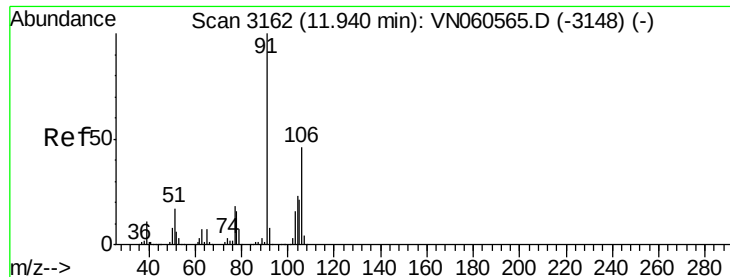
Tgt Ion: 106 Resp: 143384

Ion Ratio Lower Upper

106 100

91 207.4 165.0 247.4





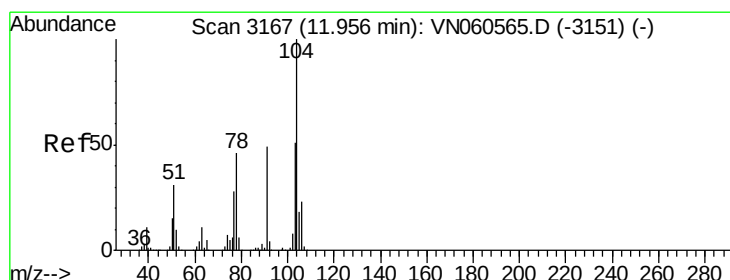
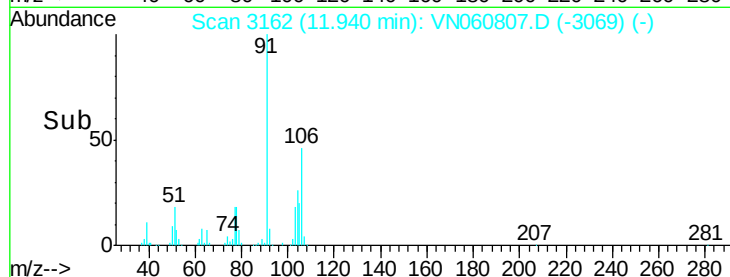
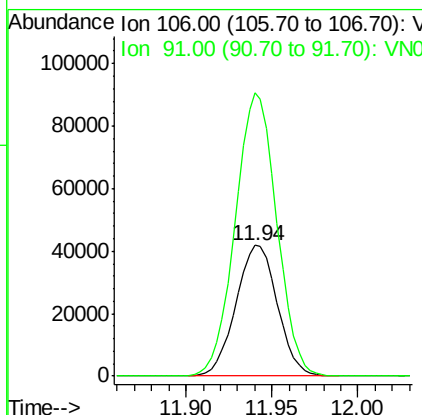
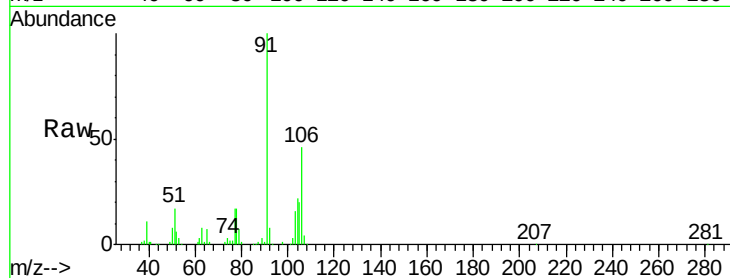
#69
o-Xylene
Concen: 19.002 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion:106 Resp: 70096
Ion Ratio Lower Upper
106 100
91 216.4 109.5 328.4

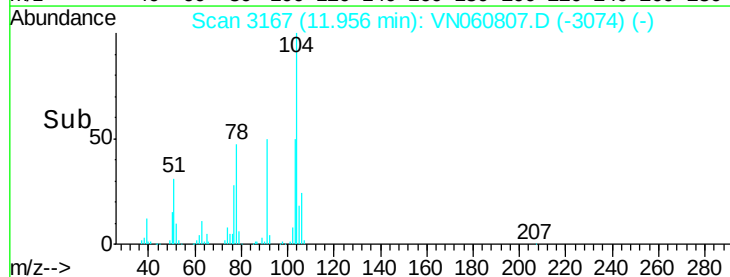
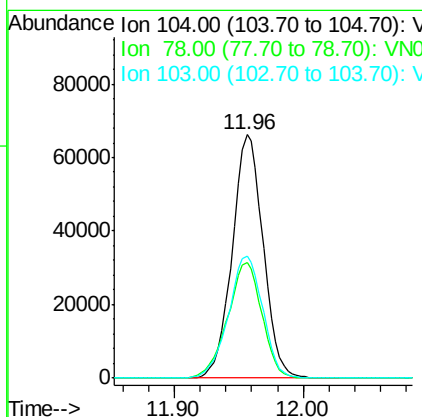
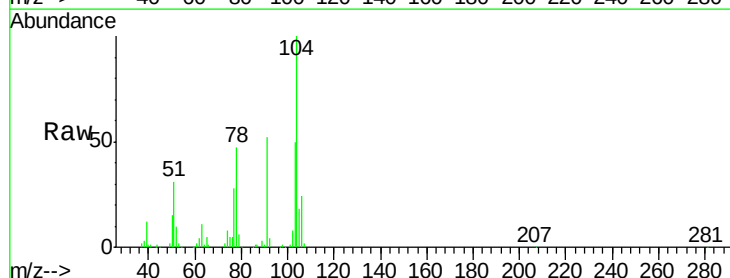
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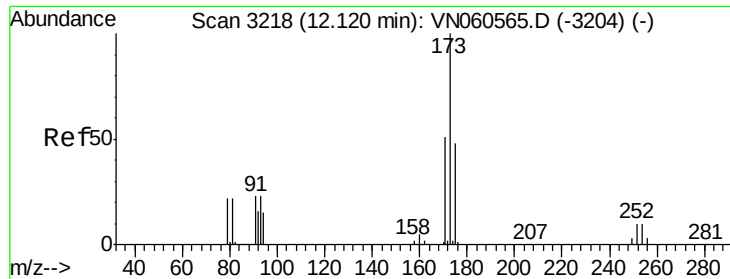
MMDadoda
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#70
Styrene
Concen: 18.255 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion:104 Resp: 110135
Ion Ratio Lower Upper
104 100
78 52.8 41.2 61.8
103 55.5 44.0 66.0





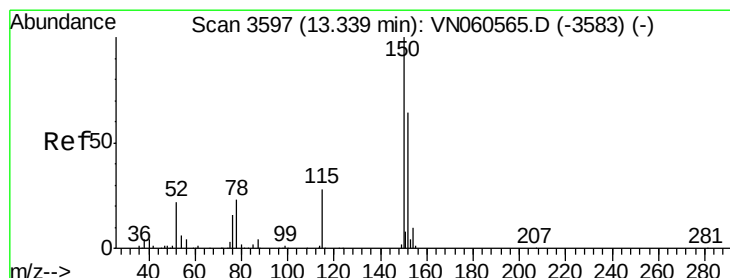
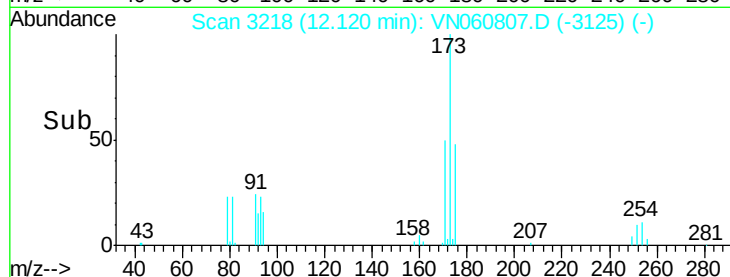
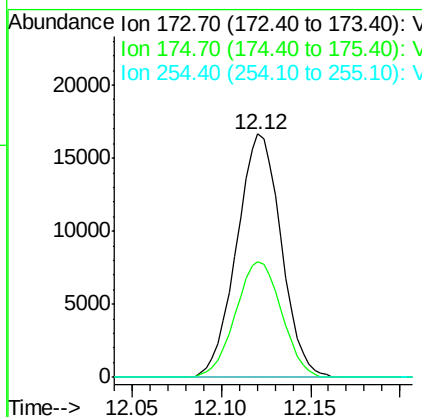
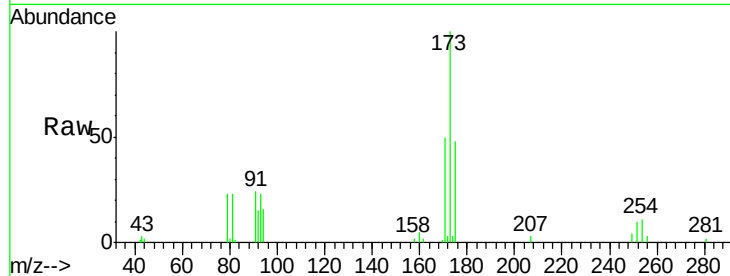
#71
Bromoform
Concen: 18.288 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.4
254	0.0	0.0	0.0

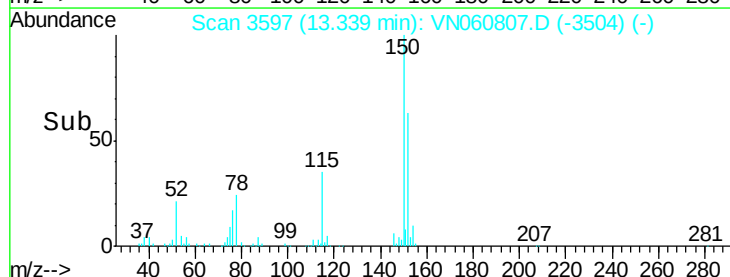
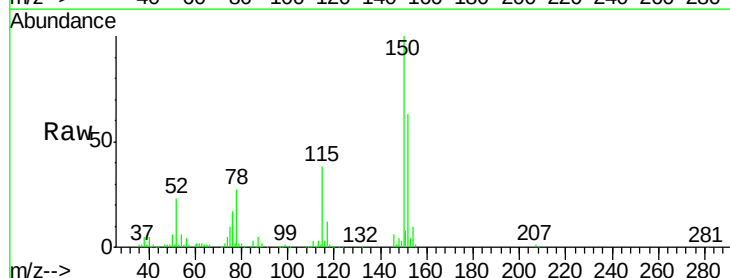
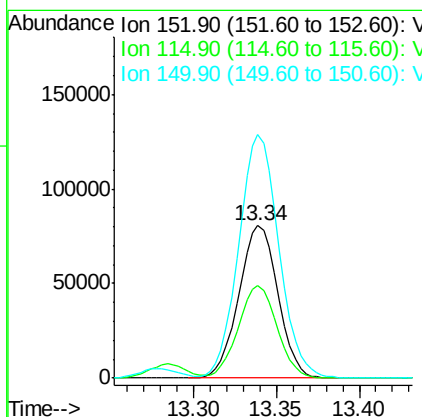
Manual Integrations
APPROVED

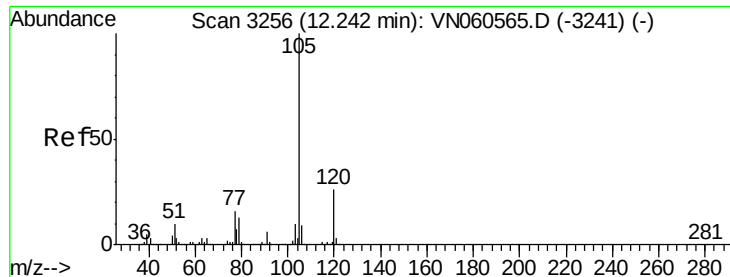
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.2	90.6
150	164.3	0.0	350.2





#73

Isopropylbenzene

Concen: 18.577 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tot Ion:105 Resp: 184227

Ion Ratio Lower Upper

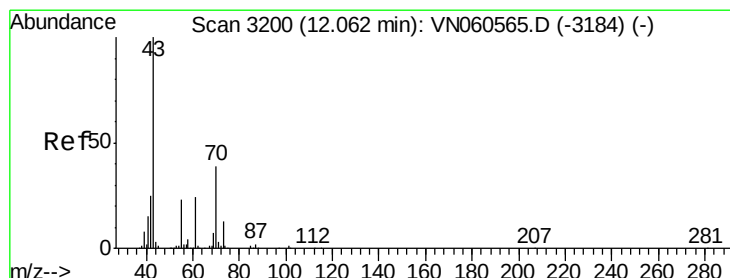
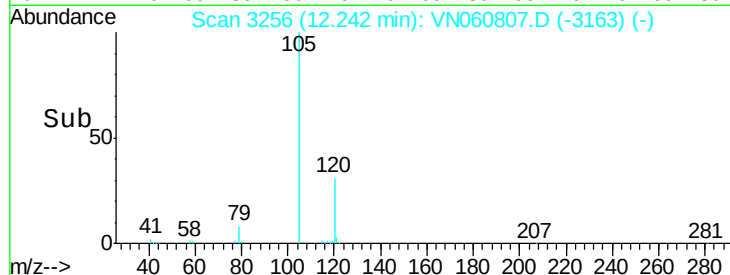
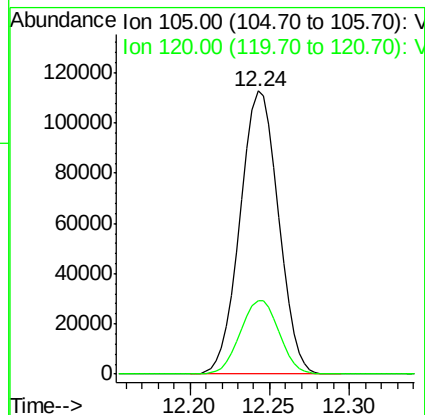
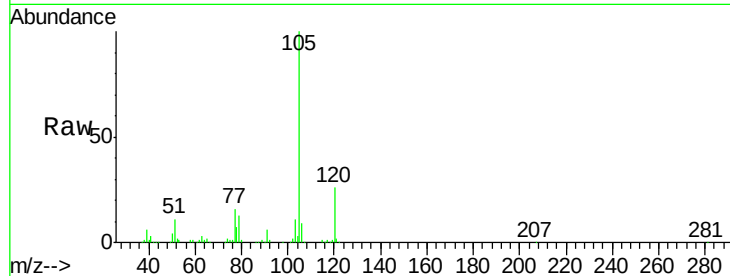
105 100

120 26.3 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.888 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion: 43 Resp: 86554

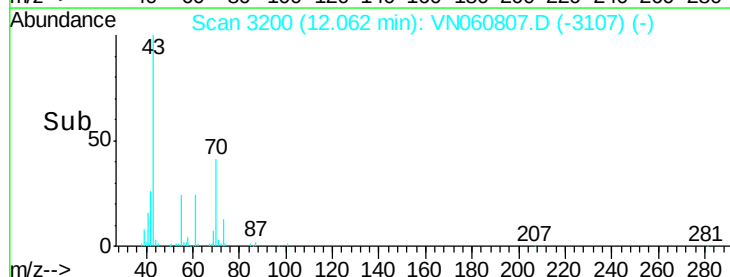
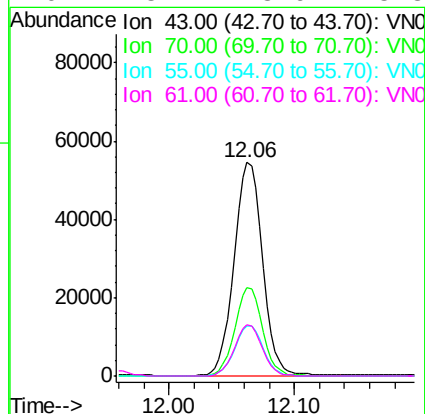
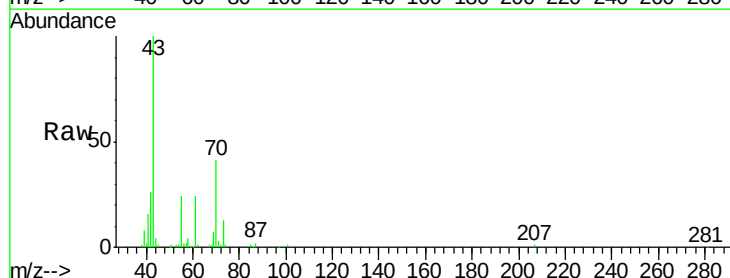
Ion Ratio Lower Upper

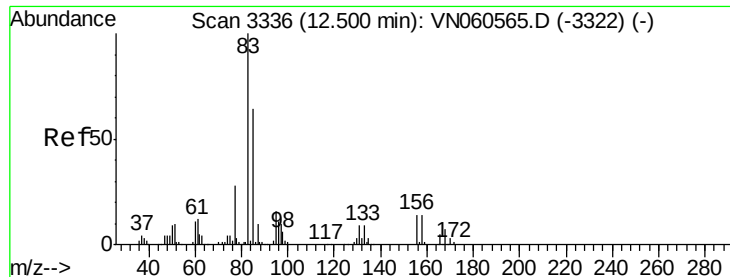
43 100

70 39.9 31.1 46.7

55 23.4 18.6 27.8

61 23.2 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.946 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

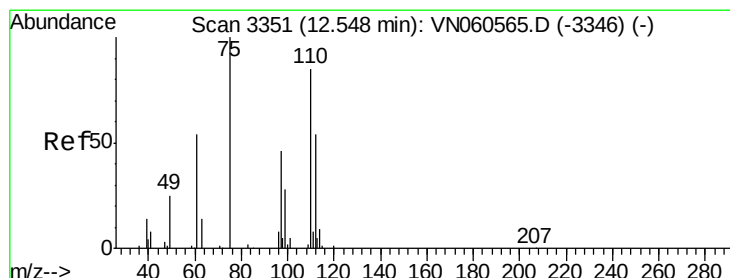
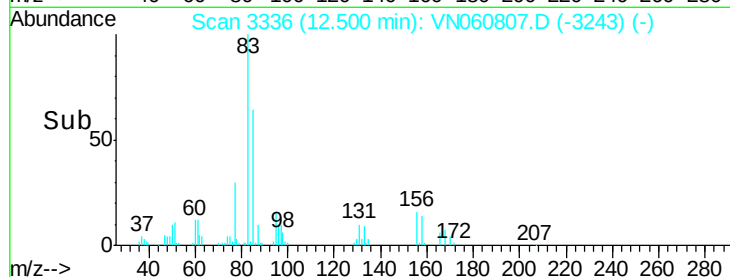
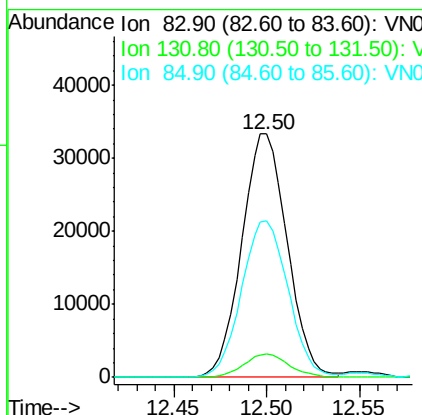
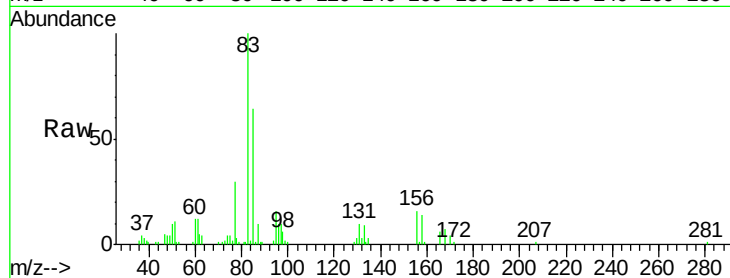
ClientSampled :

VN0401WBSD01

Tot Ion:	83	Resp:	56819
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	65.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.828 ug/l m

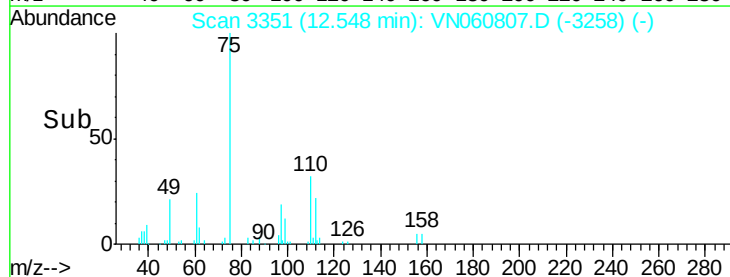
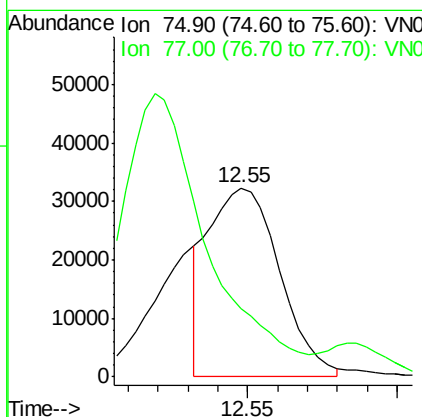
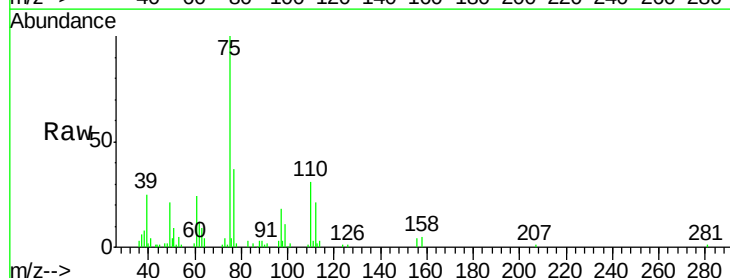
RT: 12.55 min Scan# 3351

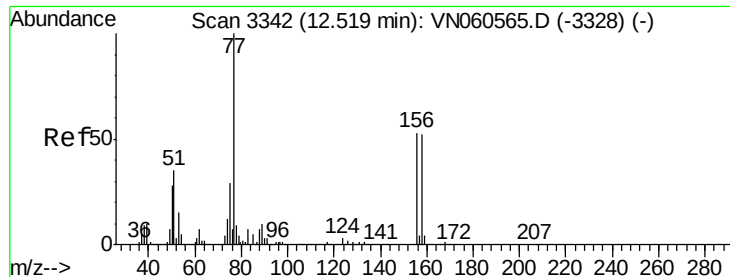
Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	75	Resp:	53685
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.565 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tot Ion:156 Resp: 44362

Ion Ratio Lower Upper

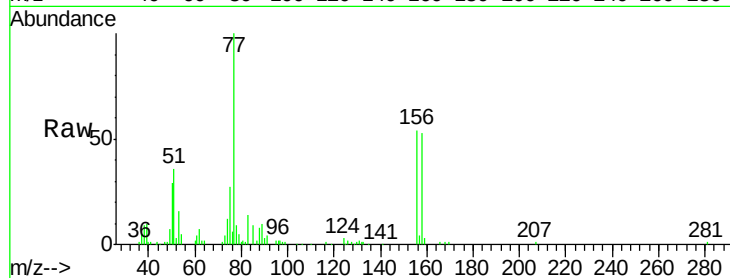
156 100

77 222.5 112.3 337.0

158 97.8 48.6 145.8

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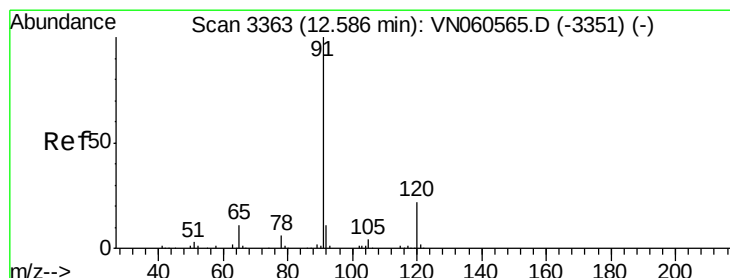
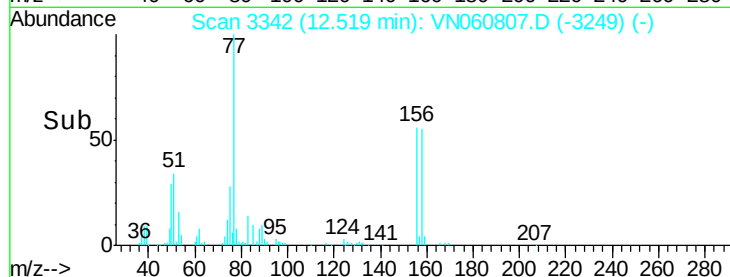
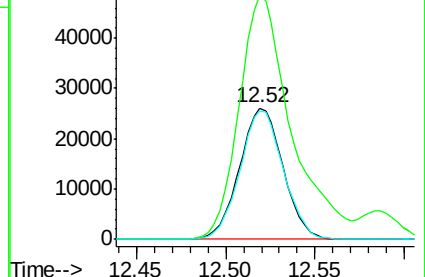
MMDadoda
4/2/2020 10:13:54 AM



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: 18.585 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060807.D

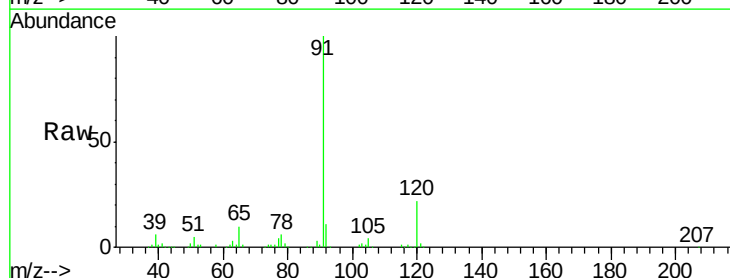
Acq: 1 Apr 2020 13:44

Tgt Ion: 91 Resp: 217749

Ion Ratio Lower Upper

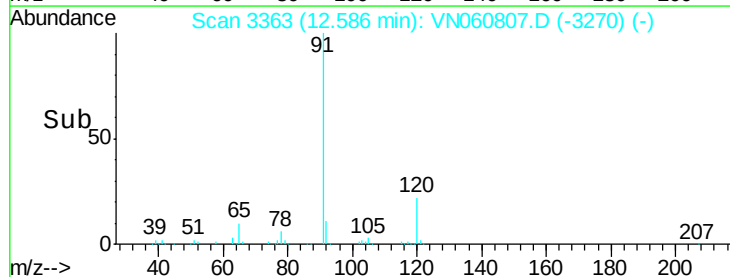
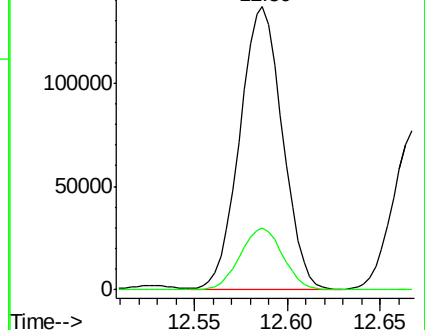
91 100

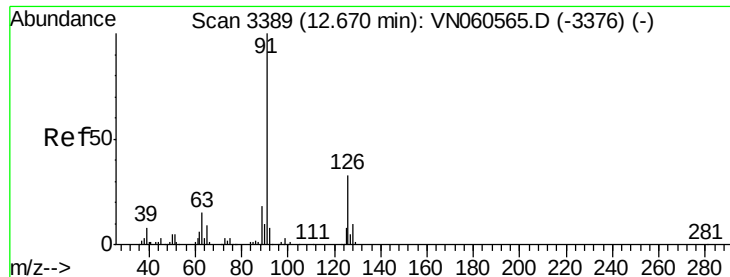
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





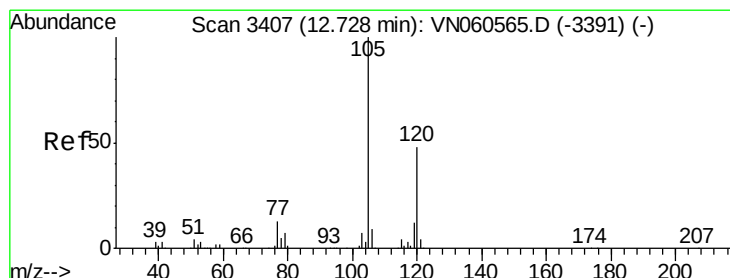
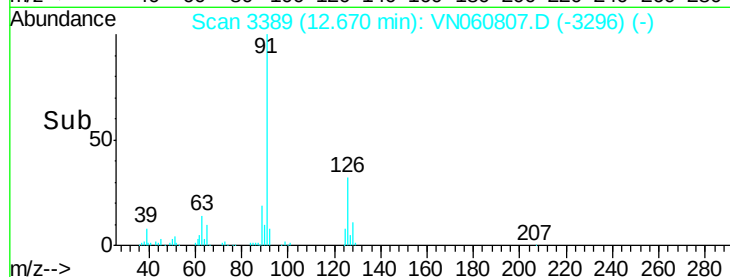
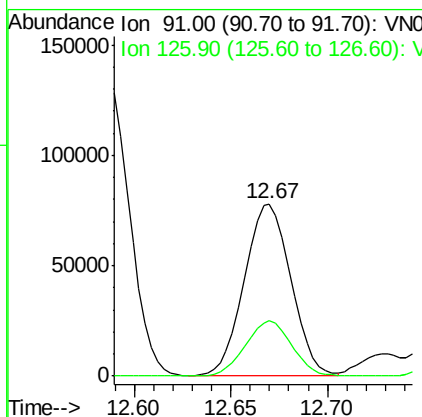
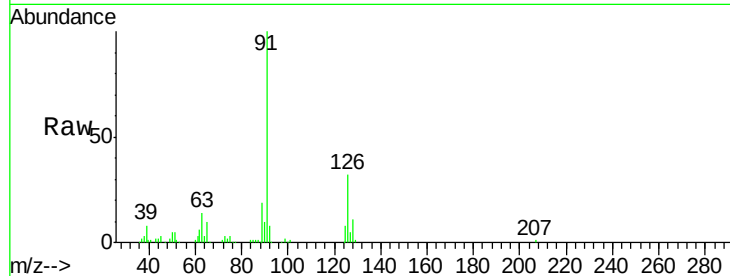
#79
 2-Chlorotoluene
 Concen: 18.607 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Tot Ion: 91 Resp: 130253
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.1

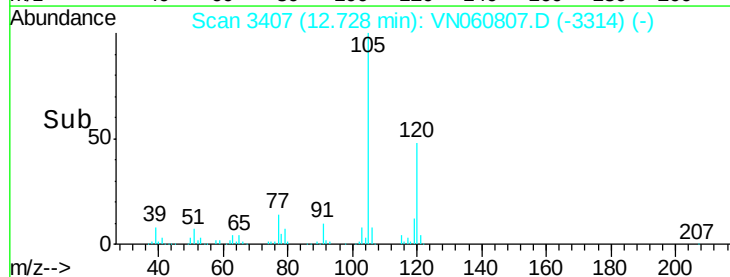
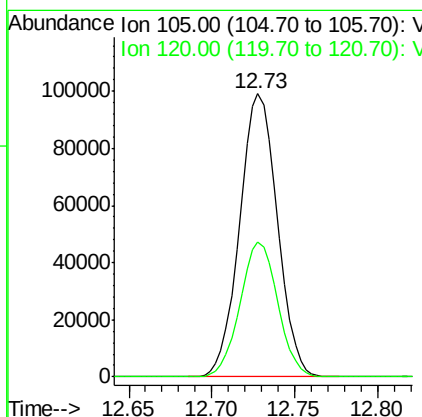
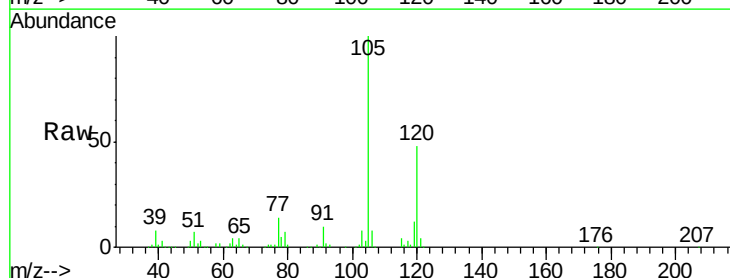
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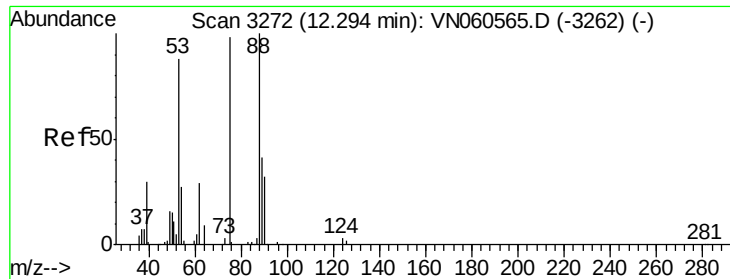
MMDadoda
 4/2/2020 10:13:54 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.623 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion: 105 Resp: 156725
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.630 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

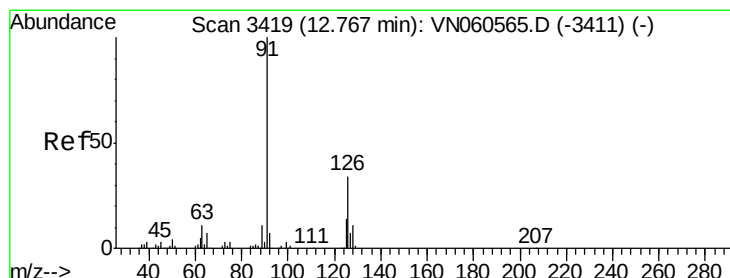
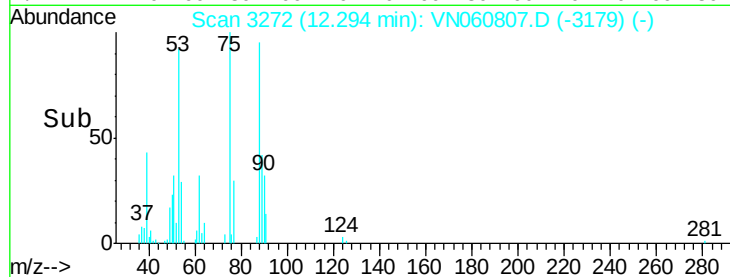
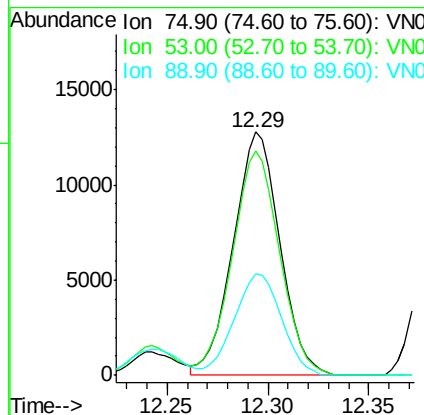
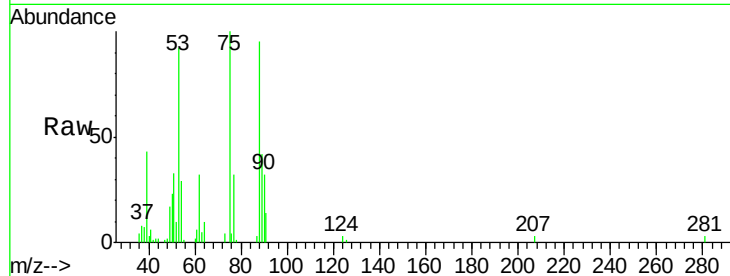
ClientSampleId :

VN0401WBSD01

Tot Ion:	75	Resp:	20683
Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.0	109.4
89	42.6	34.8	52.2

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#82

4-Chlorotoluene

Concen: 18.503 ug/l

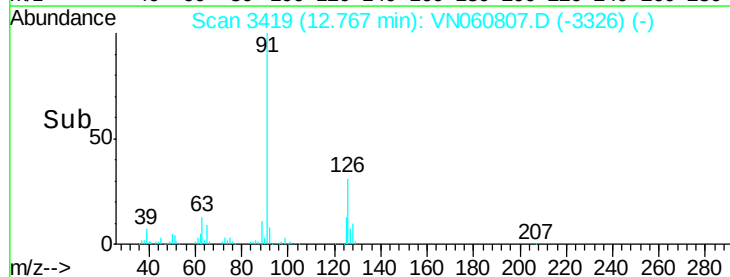
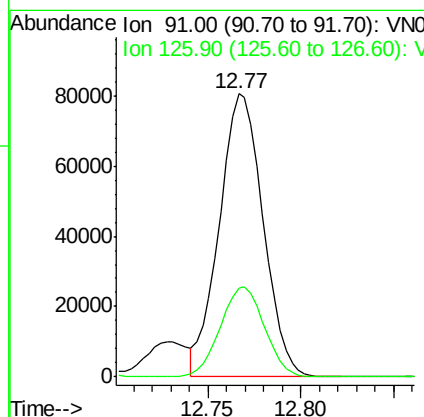
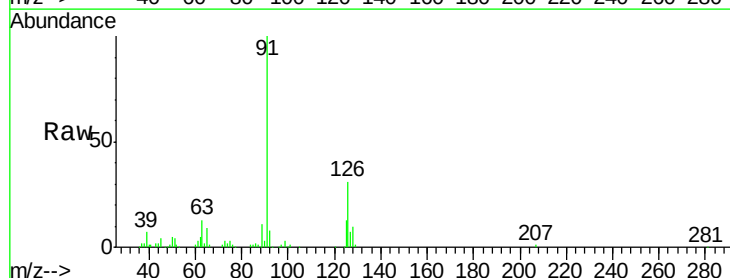
RT: 12.77 min Scan# 3419

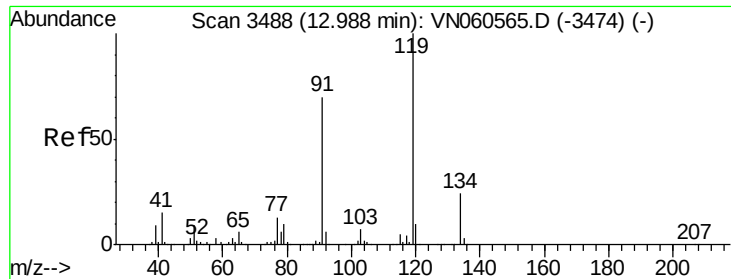
Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Tgt Ion:	91	Resp:	131921
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





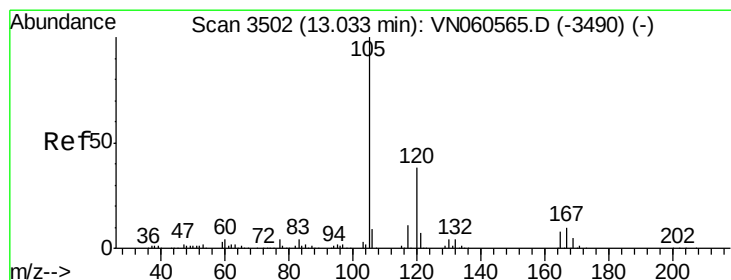
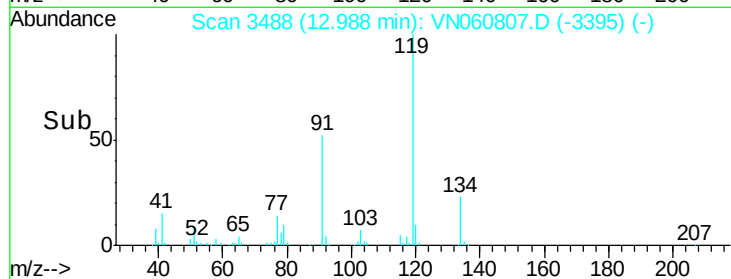
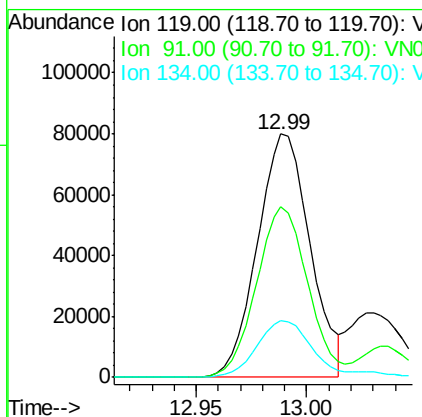
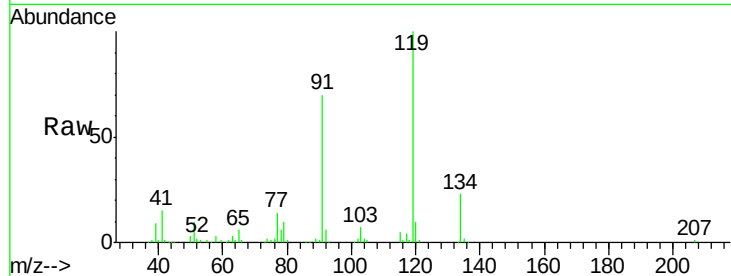
#83
 tert-Butylbenzene
 Concen: 18.940 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.0	101.8
134	25.5	12.7	38.0

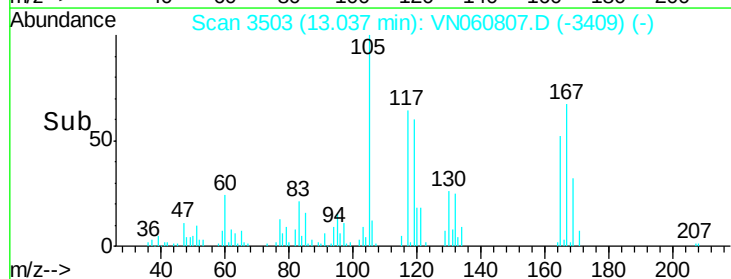
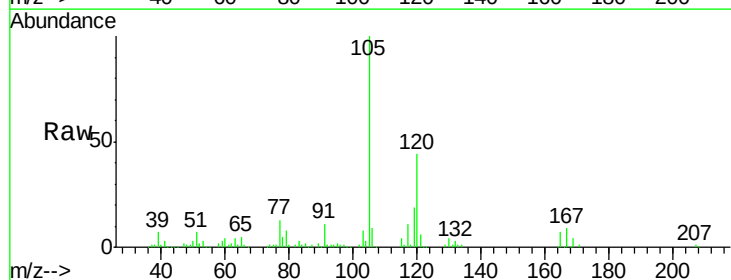
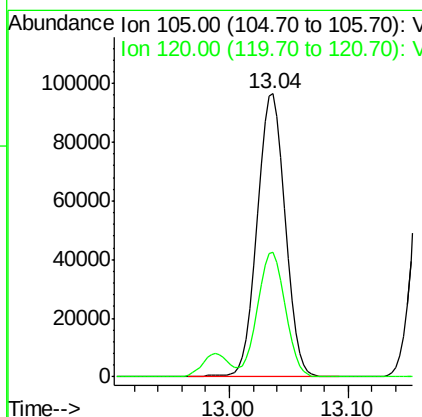
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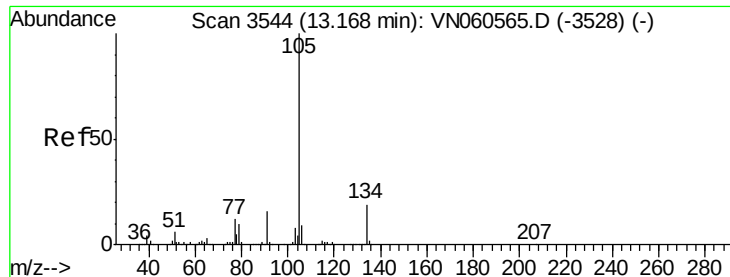
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.934 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.989 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBSD01

Tot Ion:105 Resp: 178138

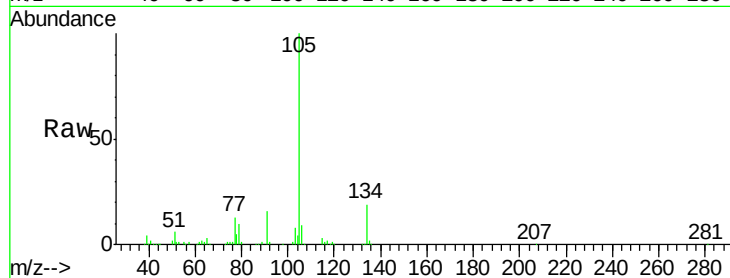
Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.8

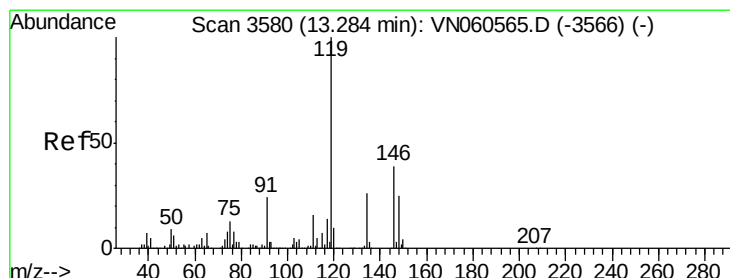
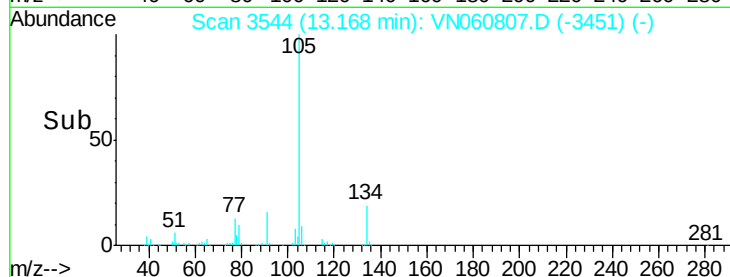
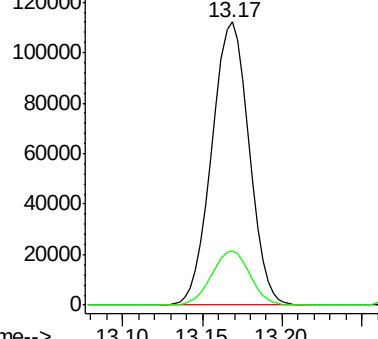
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.960 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060807.D

Acq: 1 Apr 2020 13:44

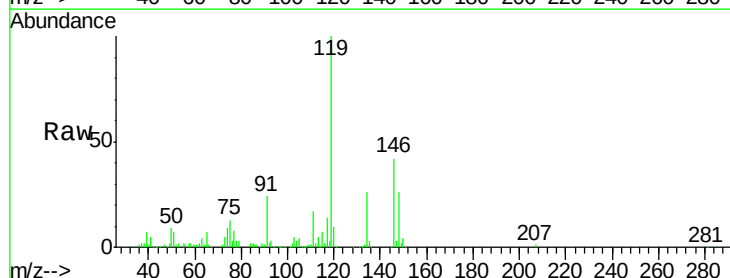
Tgt Ion:119 Resp: 159941

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

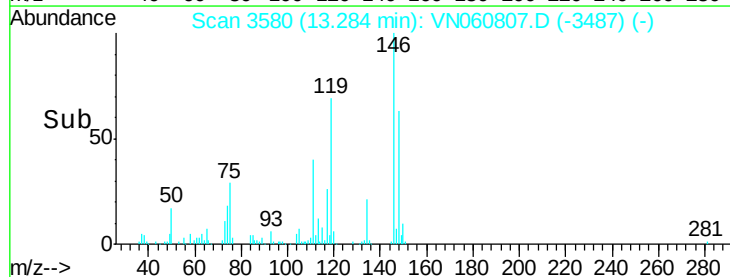
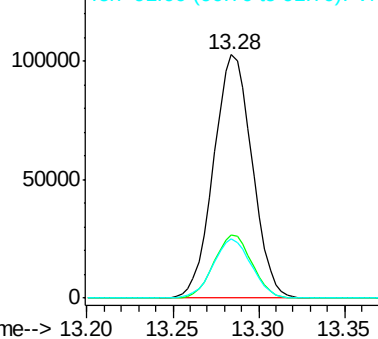
91 24.2 12.0 36.0

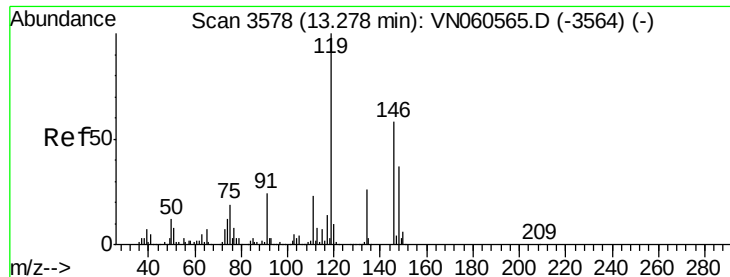


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





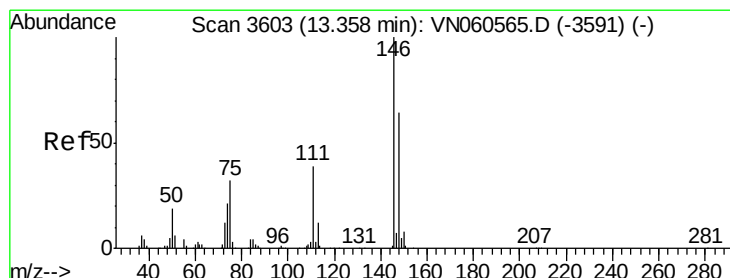
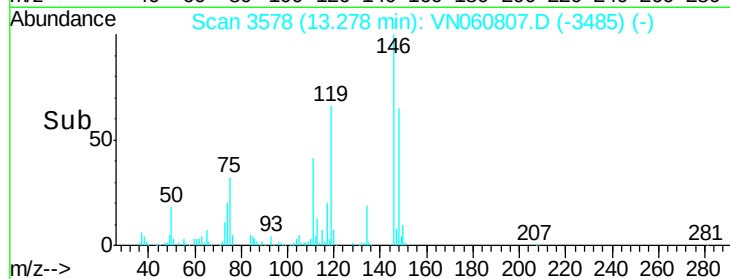
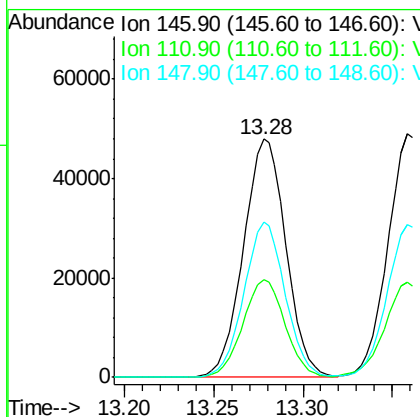
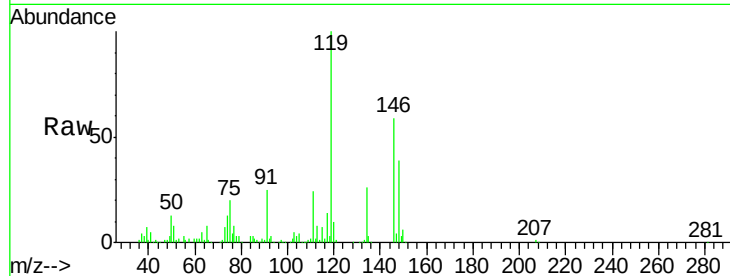
#87
 1,3-Dichlorobenzene
 Concen: 18.905 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.5	32.5	97.4

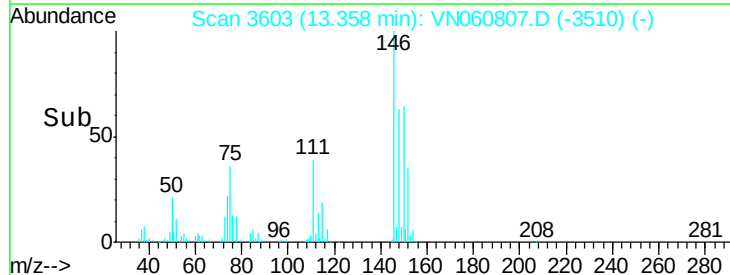
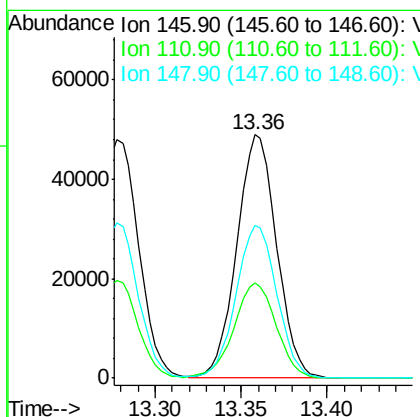
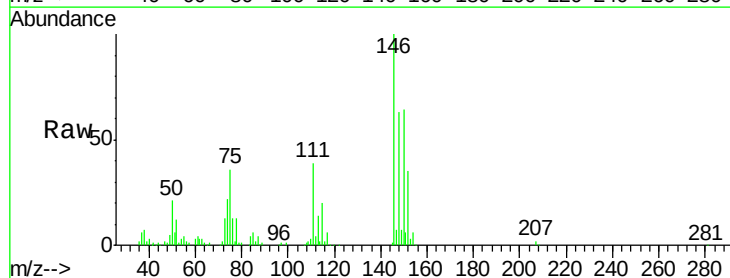
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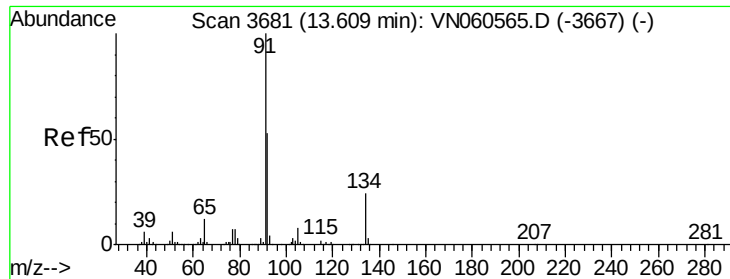
MMDadoda
 4/2/2020 10:13:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.664 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.6	58.7
148	64.2	32.1	96.3





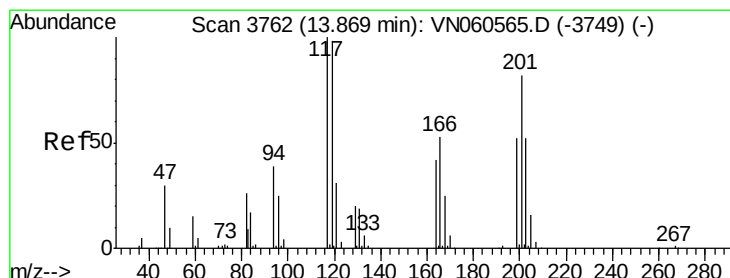
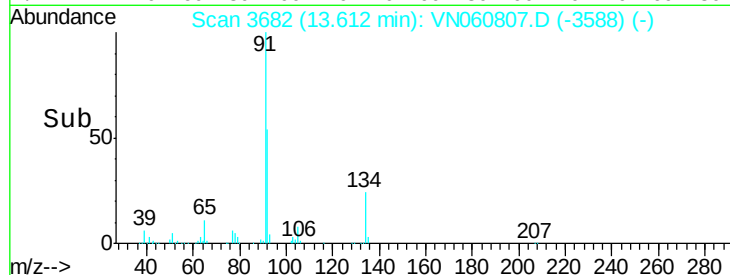
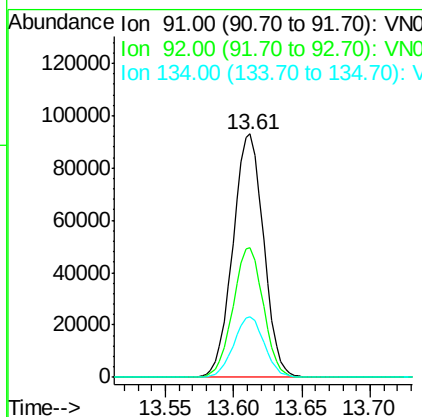
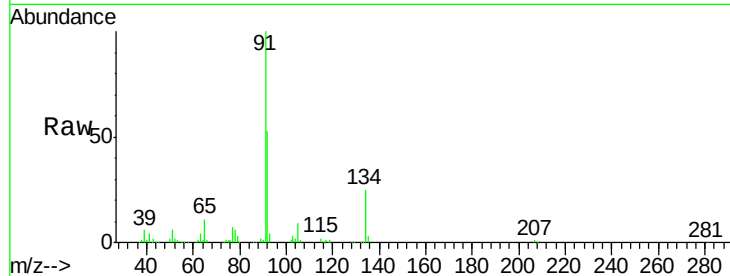
#89
n-Butylbenzene
Concen: 19.129 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	24.8	12.3	36.9

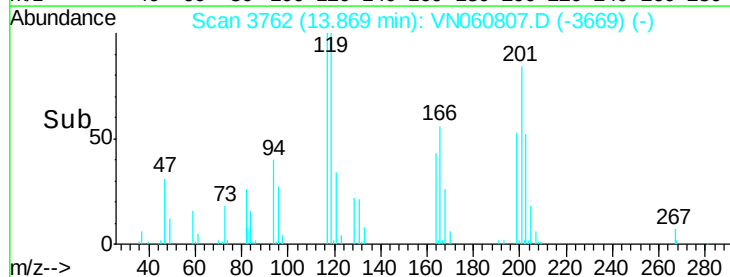
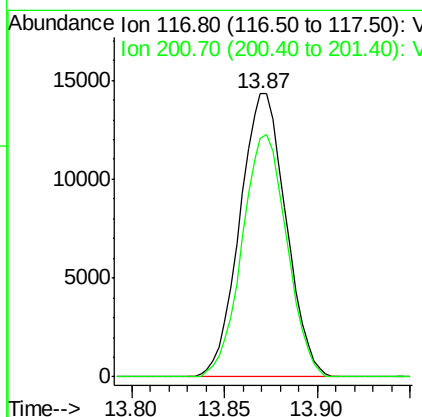
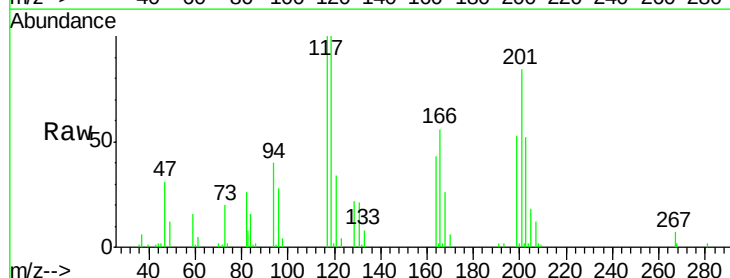
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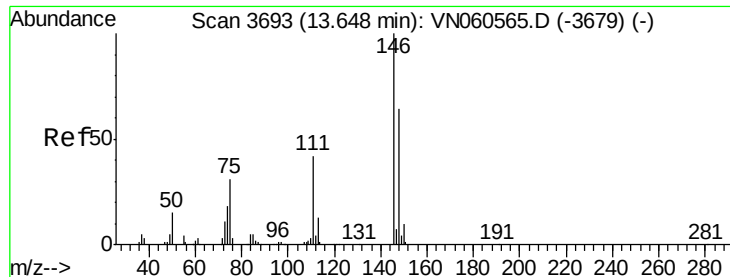
MMDadoda
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#90
Hexachloroethane
Concen: 20.194 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	40.8	122.5





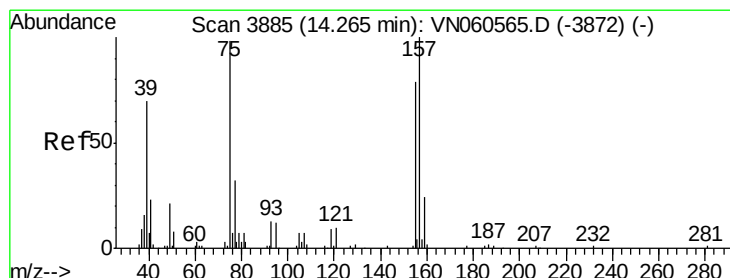
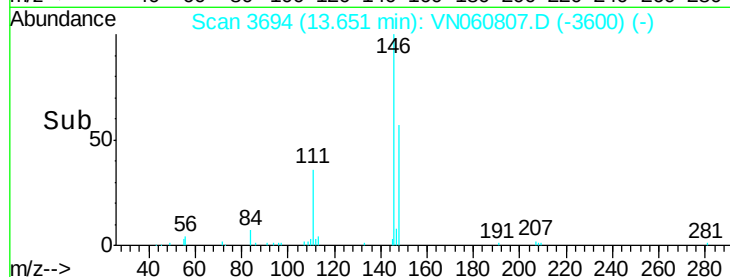
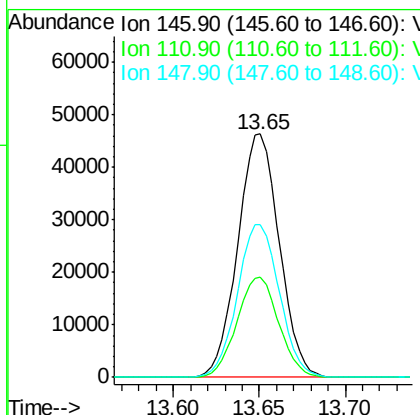
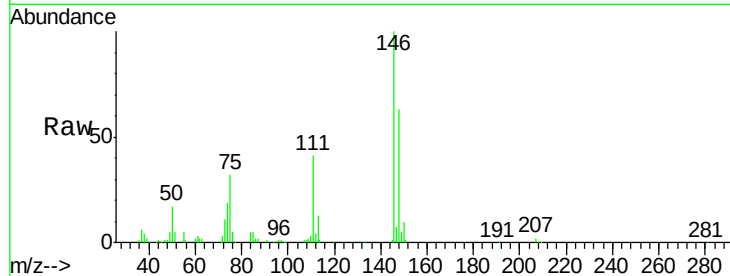
#91
 1,2-Dichlorobenzene
 Concen: 19.283 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	63.3	31.9	95.5

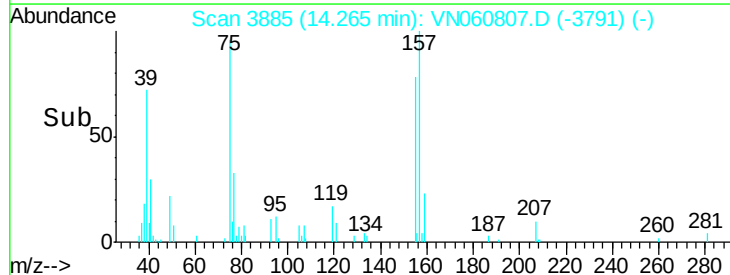
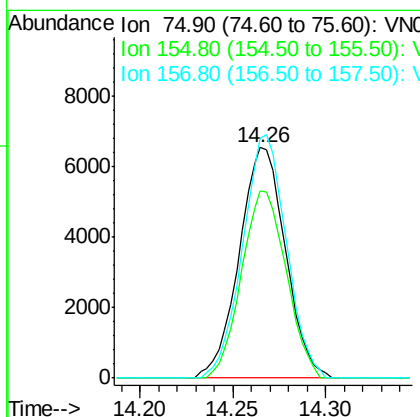
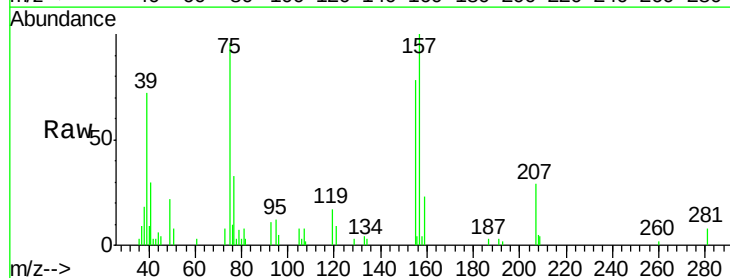
Manual Integrations
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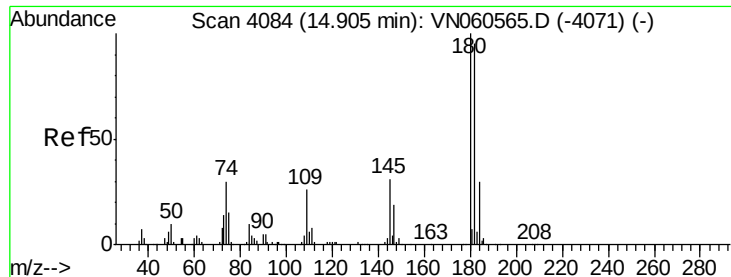
MMDadoda
 4/2/2020 10:13:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.840 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	40.7	122.1
157	99.8	51.5	154.7





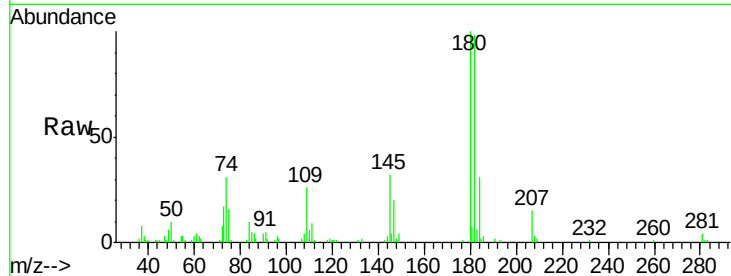
#93
 1,2,4-Trichlorobenzene
 Concen: 18.842 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0401WBSD01

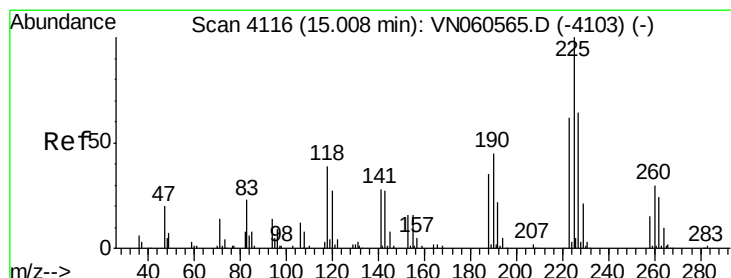
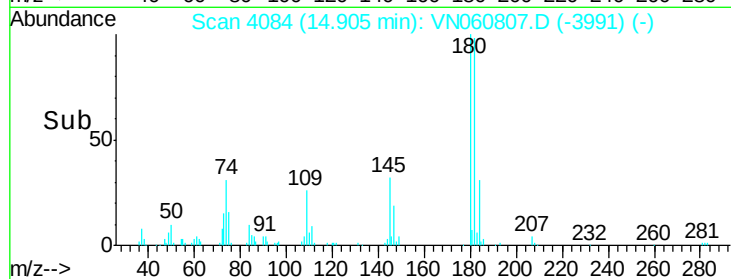
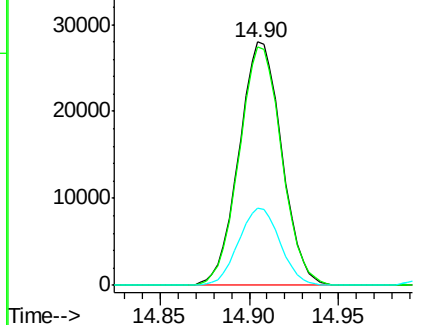
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.9	143.8
145	30.9	15.4	46.2

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:54 AM

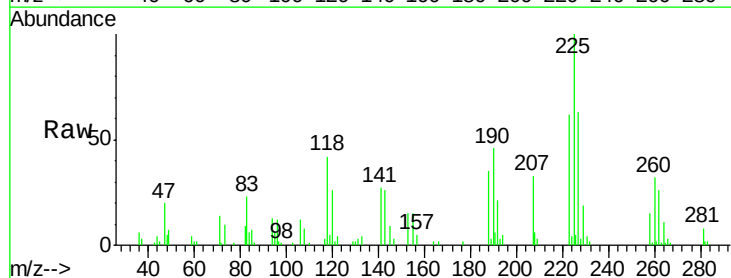


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

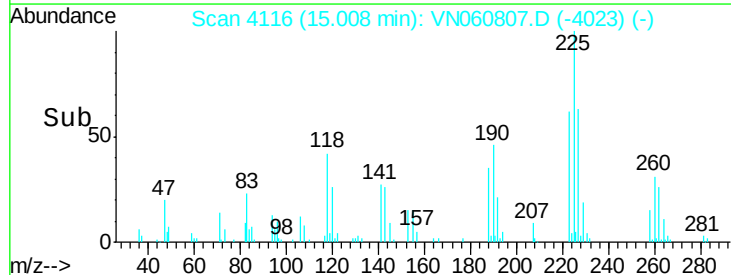
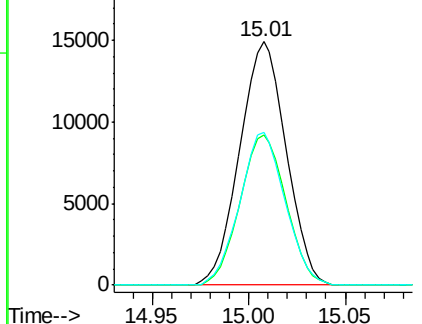


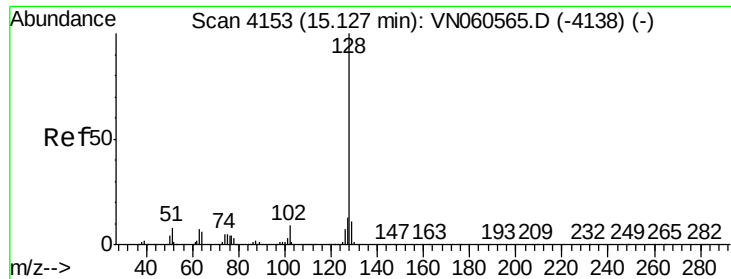
#94
 Hexachlorobutadiene
 Concen: 20.548 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060807.D
 Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.6	95.0
227	61.2	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





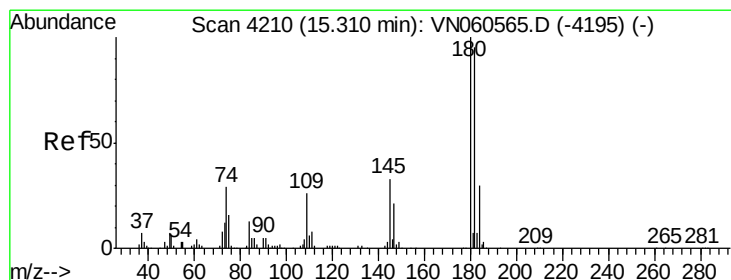
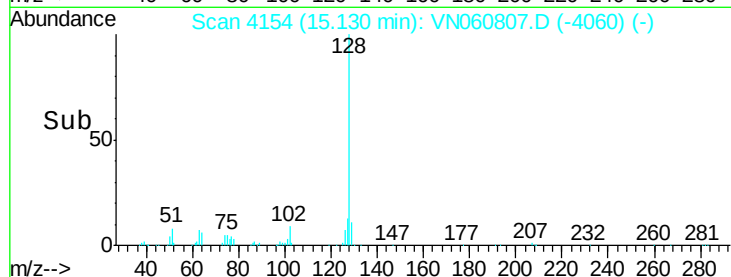
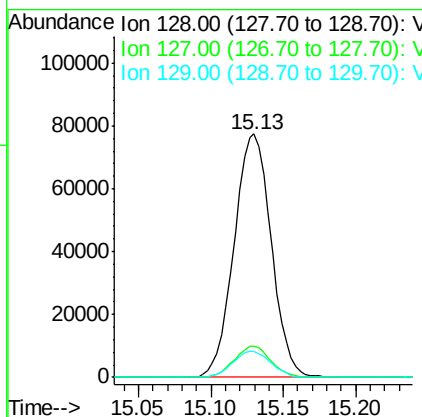
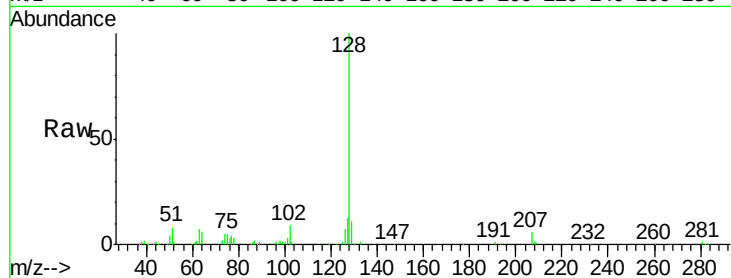
#95
Naphthalene
Concen: 18.462 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VN0401WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
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4/2/2020 10:13:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.233 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060807.D
Acq: 1 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.5	142.6
145	32.1	16.3	48.8

