

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060913.D
 Acq On : 13 Apr 2020 21:20
 Operator : JC/MD
 Sample : VN0413WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:10:56 AM

Quant Time: Apr 14 07:42:26 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	142994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	244941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	219005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101665	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	103259	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	7.56	113	77398	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.08	98	302618	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.40	95	108974	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	22544	16.294	ug/l	97
3) Chloromethane	2.04	50	41647	16.117	ug/l	96
4) Vinyl Chloride	2.17	62	34210	16.926	ug/l	100
5) Bromomethane	2.55	94	17385	19.925	ug/l	98
6) Chloroethane	2.69	64	21823	18.744	ug/l	100
7) Trichlorofluoromethane	3.00	101	46247	18.575	ug/l	98
8) Diethyl Ether	3.38	74	19836	19.832	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	27678	19.185	ug/l	99
10) Methyl Iodide	3.93	142	23453	18.269	ug/l	98
11) Tert butyl alcohol	4.72	59	28131	97.443	ug/l	97
12) 1,1-Dichloroethene	3.72	96	28255	18.250	ug/l	96
13) Acrolein	3.58	56	7425	23.206	ug/l	100
14) Allyl chloride	4.29	41	53115	19.507	ug/l	96
15) Acrylonitrile	4.94	53	85844	101.121	ug/l	99
16) Acetone	3.78	43	69198	99.518	ug/l	98
17) Carbon Disulfide	4.03	76	77884	16.541	ug/l	100
18) Methyl Acetate	4.29	43	42023	21.471	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	105391	19.800	ug/l	96
20) Methylene Chloride	4.52	84	32418	18.953	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	31040	18.812	ug/l	99
22) Diisopropyl ether	5.91	45	121354	21.095	ug/l	95
23) Vinyl Acetate	5.86	43	483954	103.107	ug/l	99
24) 1,1-Dichloroethane	5.82	63	62981	20.083	ug/l	99
25) 2-Butanone	6.80	43	112614	100.087	ug/l	97
26) 2,2-Dichloropropane	6.79	77	48671	19.725	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	36372	19.398	ug/l	98
28) Bromochloromethane	7.17	49	33243	22.156	ug/l	98
29) Tetrahydrofuran	7.18	42	78433	98.522	ug/l	97
30) Chloroform	7.35	83	59906	19.926	ug/l	98
31) Cyclohexane	7.63	56	58294	18.438	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	50232	19.382	ug/l	98
36) 1,1-Dichloropropene	7.77	75	45339	19.116	ug/l	99
37) Ethyl Acetate	6.90	43	50142	19.566	ug/l	99
38) Carbon Tetrachloride	7.75	117	39046	18.368	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	51322	18.208	ug/l	96
40) Benzene	8.02	78	135919	18.983	ug/l	99
41) Methacrylonitrile	7.15	41	26325m	24.069	ug/l	
42) 1,2-Dichloroethane	8.10	62	47800	19.535	ug/l	98
43) Isopropyl Acetate	8.14	43	83002	19.638	ug/l	99
44) Trichloroethene	8.82	130	34020	18.849	ug/l	97
45) 1,2-Dichloropropane	9.10	63	38079	20.156	ug/l	99
46) Dibromomethane	9.19	93	22475	19.678	ug/l	98
47) Bromodichloromethane	9.38	83	46173	19.454	ug/l	99
48) Methyl methacrylate	9.18	41	35919	19.088	ug/l	98
49) 1,4-Dioxane	9.18	88	8661	387.224	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	240557	100.021	ug/l	99
52) Toluene	10.14	92	81950	18.952	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	53711	19.701	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	57886	19.354	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	32445	19.504	ug/l	99
56) Ethyl methacrylate	10.42	69	49957	19.260	ug/l	98
57) 1,3-Dichloropropane	10.70	76	57238	19.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	113405	87.968	ug/l	99
59) 2-Hexanone	10.74	43	167753	96.827	ug/l	100
60) Dibromochloromethane	10.89	129	33325	19.394	ug/l	100
61) 1,2-Dibromoethane	10.99	107	31794	19.007	ug/l	100
64) Tetrachloroethene	10.62	164	30711	17.820	ug/l	98
65) Chlorobenzene	11.43	112	84054	19.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	31230	19.867	ug/l	98
67) Ethyl Benzene	11.50	91	157866	19.553	ug/l	99
68) m/p-Xylenes	11.61	106	114405	38.132	ug/l	98
69) o-Xylene	11.94	106	54221	18.931	ug/l	97
70) Styrene	11.96	104	87953	18.776	ug/l	98
71) Bromoform	12.12	173	22728	18.492	ug/l #	99
73) Isopropylbenzene	12.25	105	149137	19.547	ug/l	100
74) N-amyl acetate	12.06	43	69459	19.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	46560	20.180	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	41848m	19.076	ug/l	
77) Bromobenzene	12.52	156	35195	19.144	ug/l	98
78) n-propylbenzene	12.59	91	175712	19.494	ug/l	98
79) 2-Chlorotoluene	12.67	91	103594	19.235	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	125239	19.343	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	15309	17.923	ug/l	97
82) 4-Chlorotoluene	12.77	91	106765	19.464	ug/l	99
83) tert-Butylbenzene	12.99	119	105824	19.717	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	124442	19.428	ug/l	99
85) sec-Butylbenzene	13.17	105	144870	20.072	ug/l	100
86) p-Isopropyltoluene	13.28	119	127239	19.605	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	63178	19.484	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	63030	19.348	ug/l	98
89) n-Butylbenzene	13.61	91	118071	20.150	ug/l	99
90) Hexachloroethane	13.87	117	19761	20.947	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	60607	19.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8959	18.369	ug/l	94

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ClientSampleId :
VN0413WBSD01

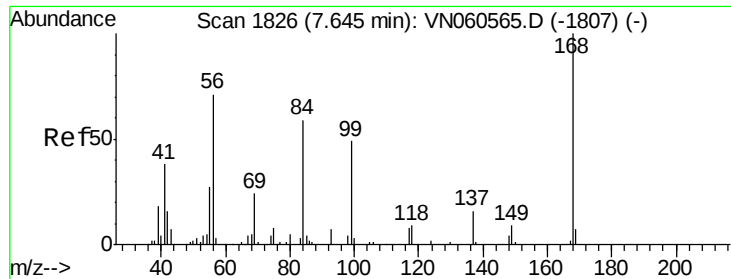
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37075	19.472	ug/l	99
94) Hexachlorobutadiene	15.01	225	19027	20.385	ug/l	99
95) Naphthalene	15.13	128	109099	19.051	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36592	19.512	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion:168 Resp: 142994

Ion Ratio Lower Upper

168 100

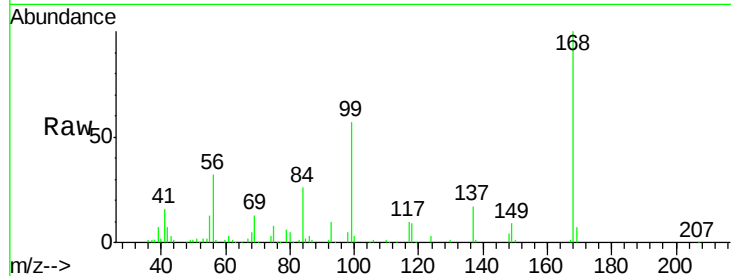
99 57.4 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

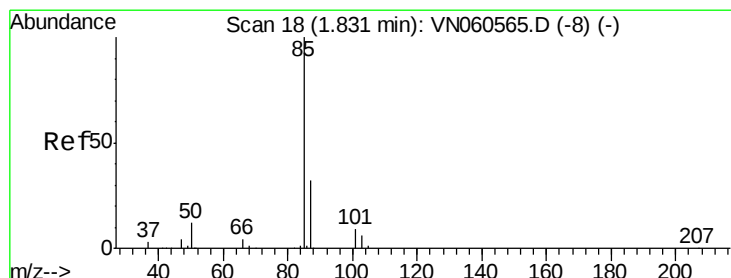
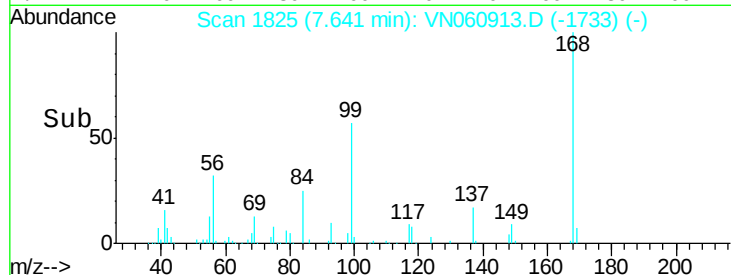
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 16.294 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060913.D

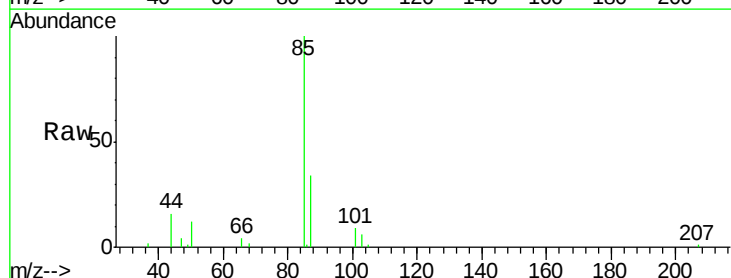
Acq: 13 Apr 2020 21:20

Tgt Ion: 85 Resp: 22544

Ion Ratio Lower Upper

85 100

87 33.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

20000

15000

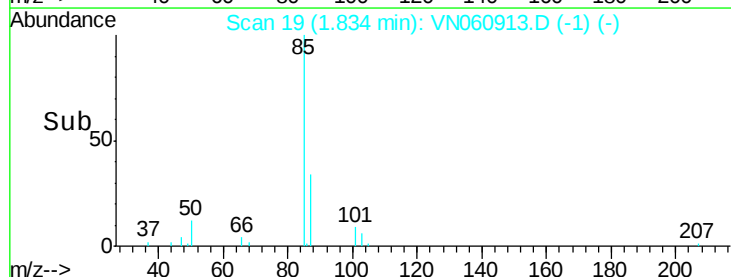
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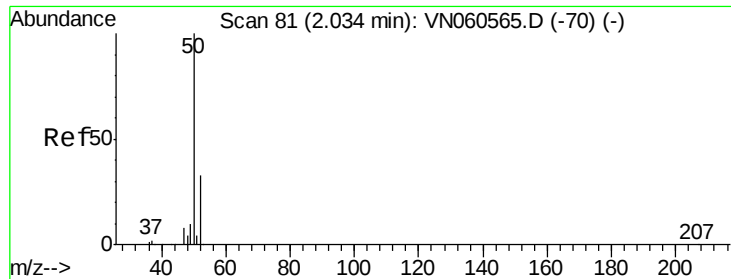
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0

1.80 1.85

Time-->





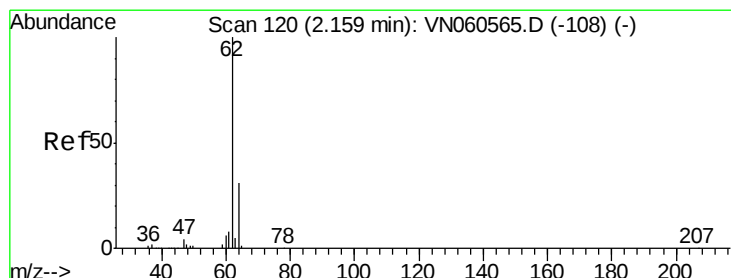
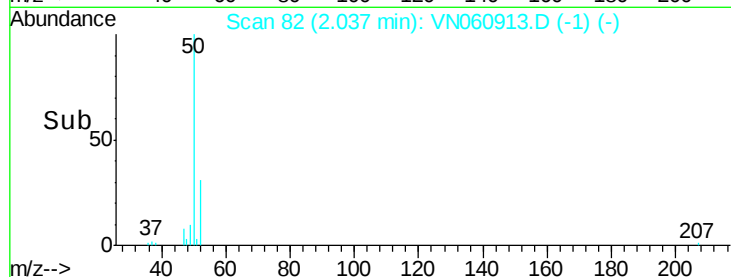
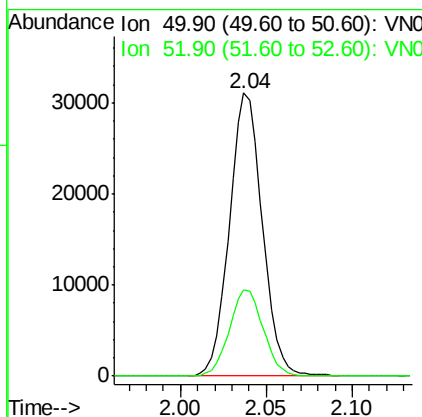
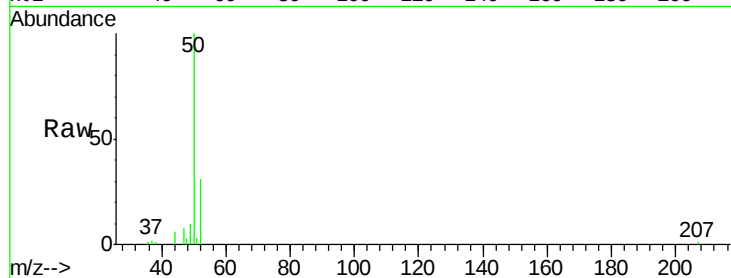
#3
Chloromethane
Concen: 16.117 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion: 50 Resp: 41647
Ion Ratio Lower Upper
50 100
52 30.7 26.2 39.2

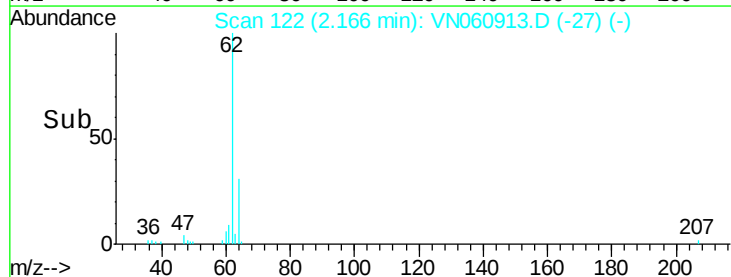
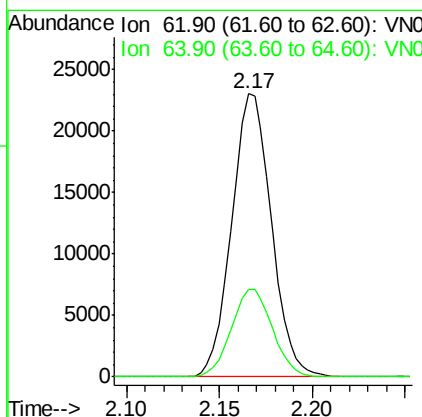
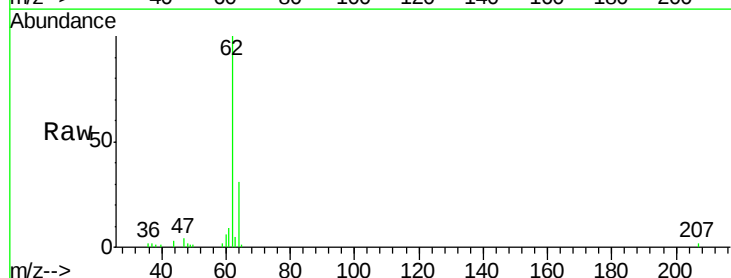
Manual Integrations
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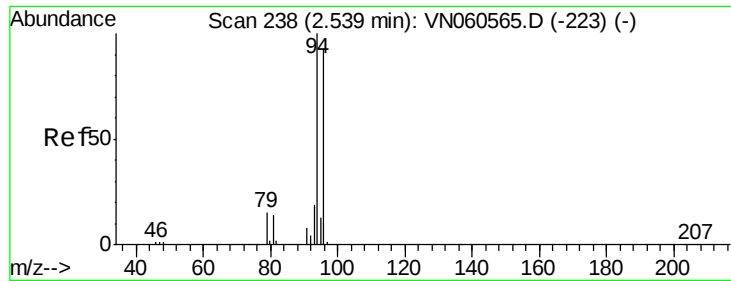
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#4
Vinyl Chloride
Concen: 16.926 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.01 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 62 Resp: 34210
Ion Ratio Lower Upper
62 100
64 30.8 24.7 37.1





#5

Bromomethane

Concen: 19.925 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 94 Resp: 17385

Ion Ratio Lower Upper

94 100

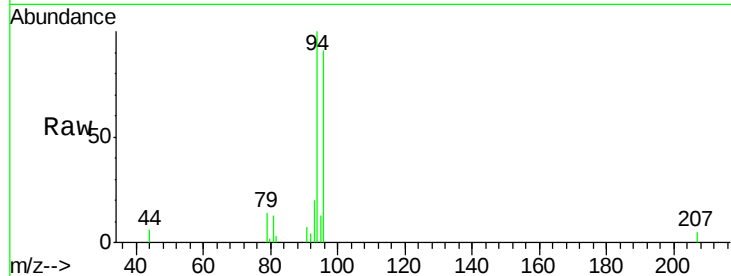
96 91.1 74.6 112.0

Manual Integrations

APPROVED

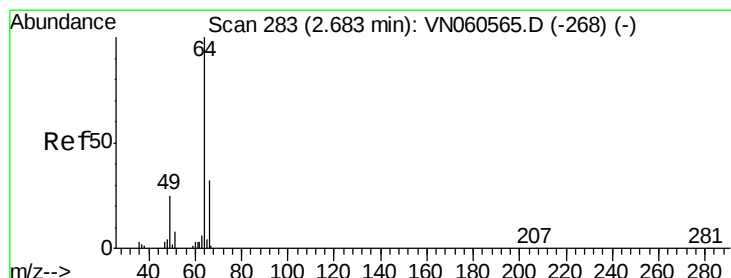
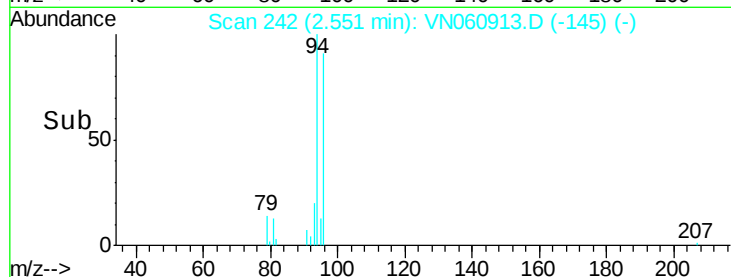
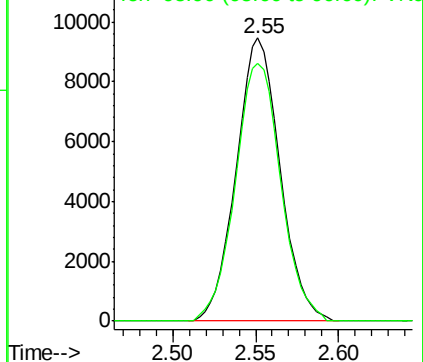
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.744 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN060913.D

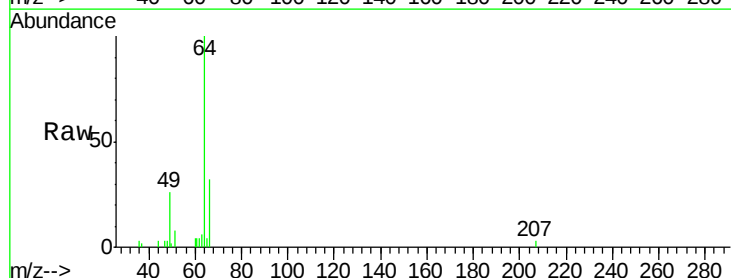
Acq: 13 Apr 2020 21:20

Tgt Ion: 64 Resp: 21823

Ion Ratio Lower Upper

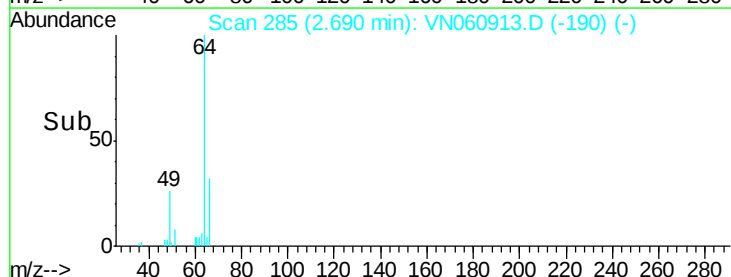
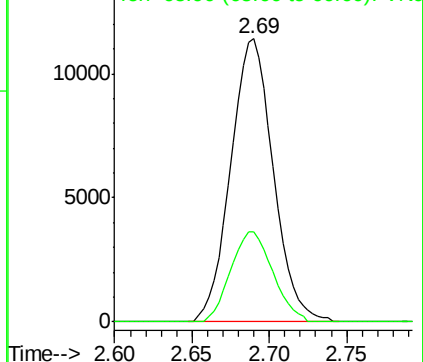
64 100

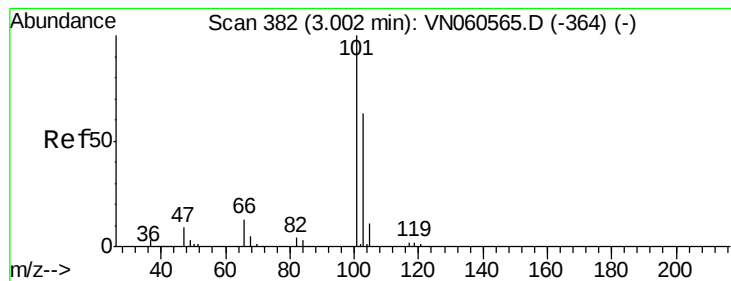
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

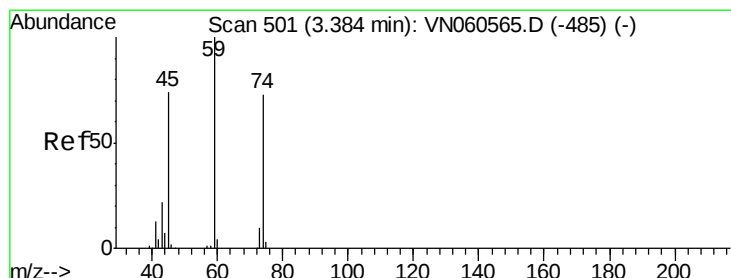
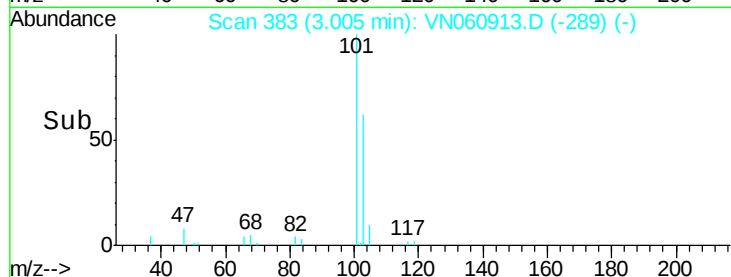
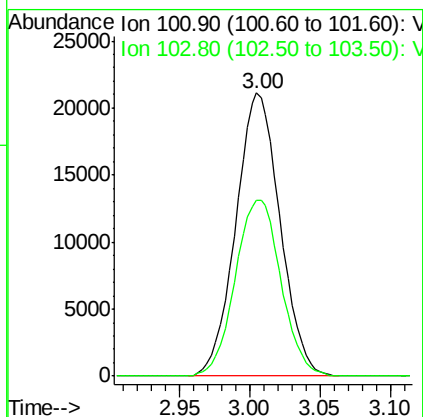
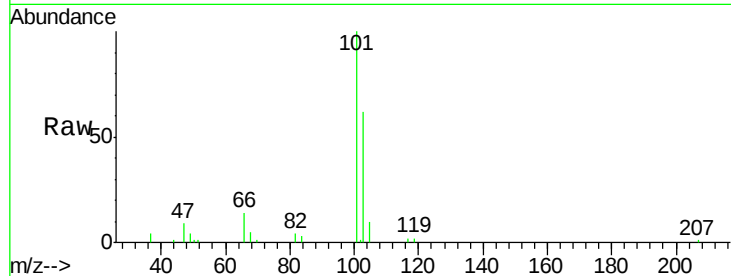
Trichlorofluoromethane
 Concen: 18.575 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		46247		
103	61.9	50.6	76.0		

Manual Integrations
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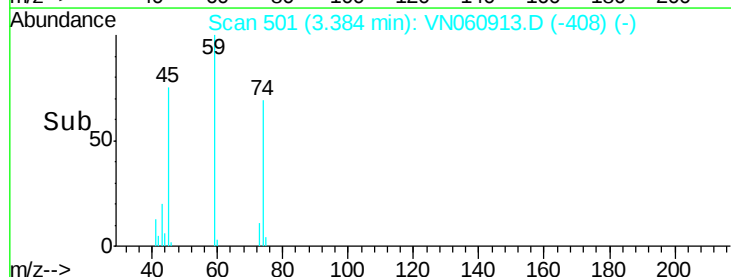
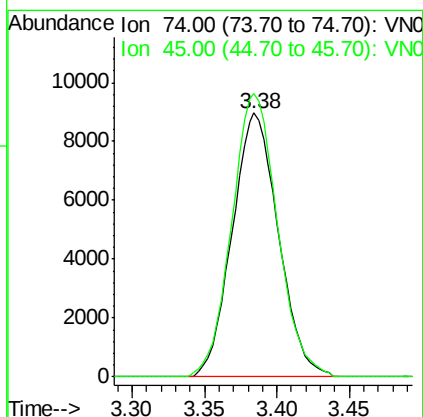
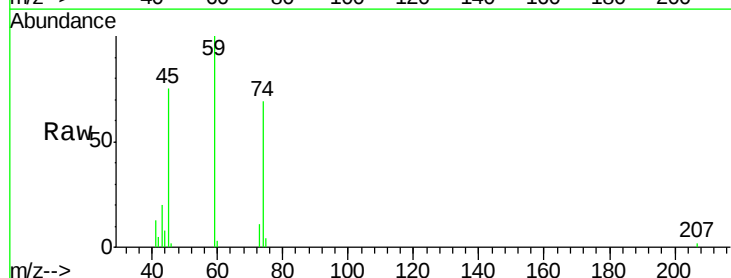
MMDadoda
 4/14/2020 10:10:56 AM

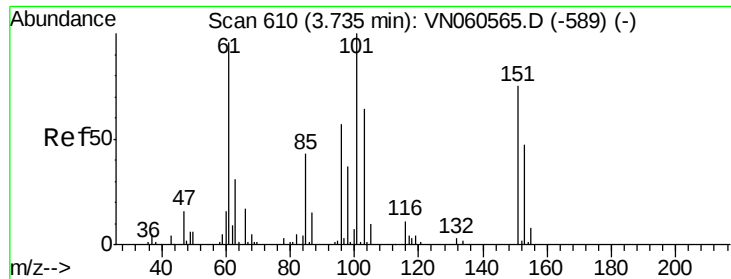


#8

Diethyl Ether
 Concen: 19.832 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		19836		
45	106.6	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.185 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

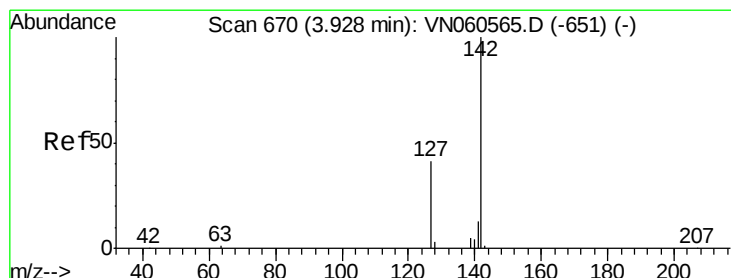
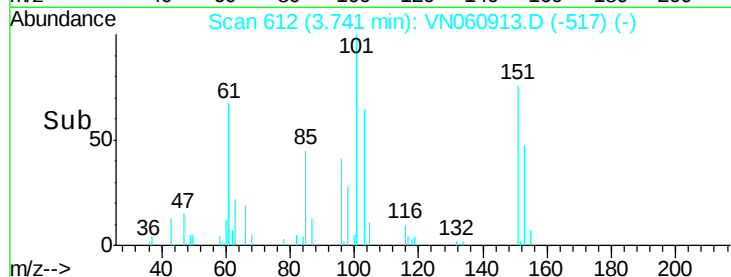
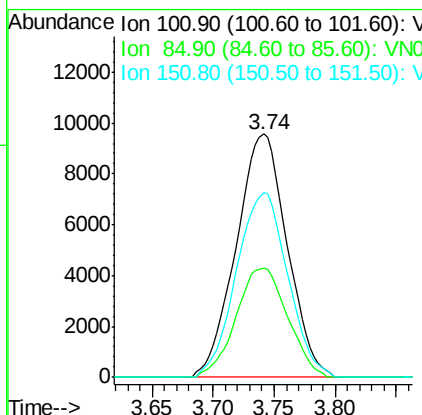
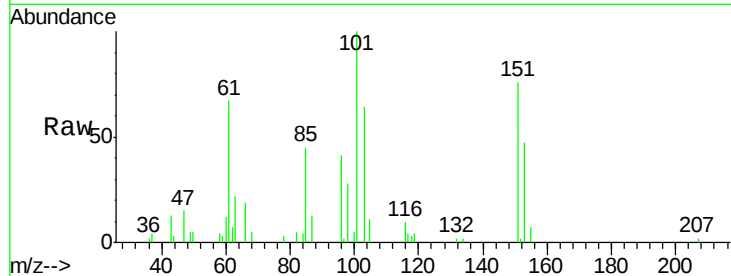
ClientSampleId :

VN0413WBSD01

Tot Ion:	101	Resp:	27678
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.6	53.4
151	76.6	61.4	92.2

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4/14/2020 10:10:56 AM



#10

Methyl Iodide

Concen: 18.269 ug/l

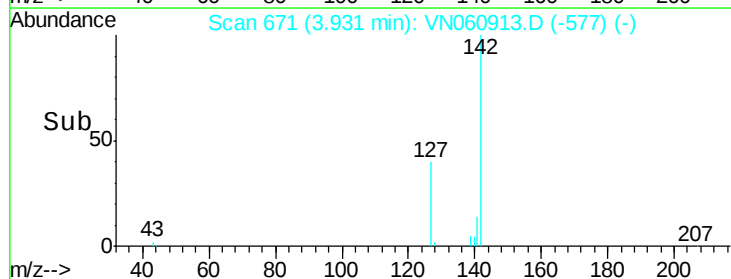
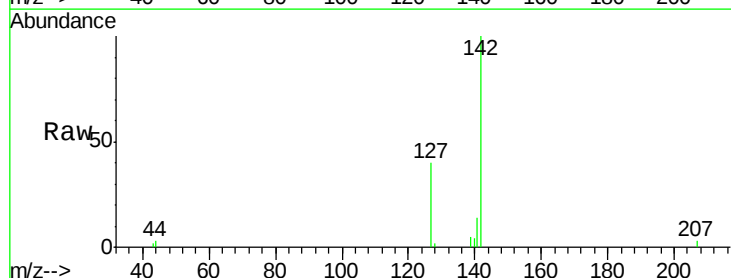
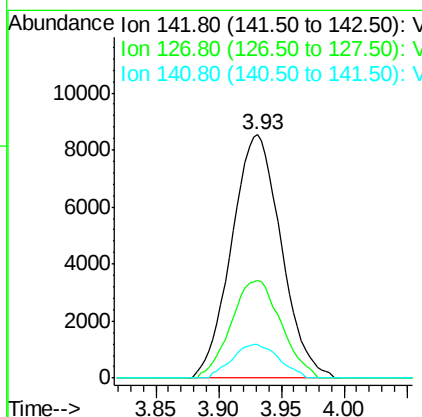
RT: 3.93 min Scan# 671

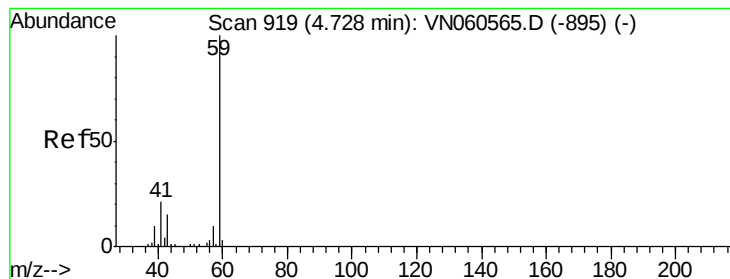
Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion:	142	Resp:	23453
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.5	50.3
141	13.1	11.0	16.6





#11

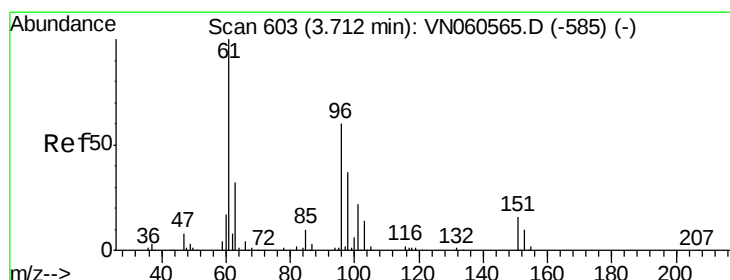
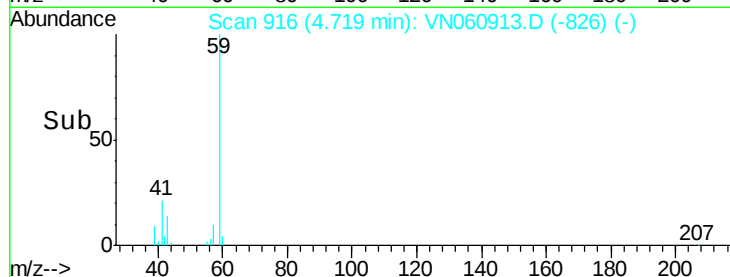
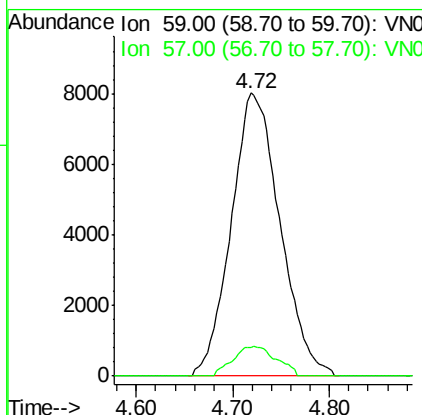
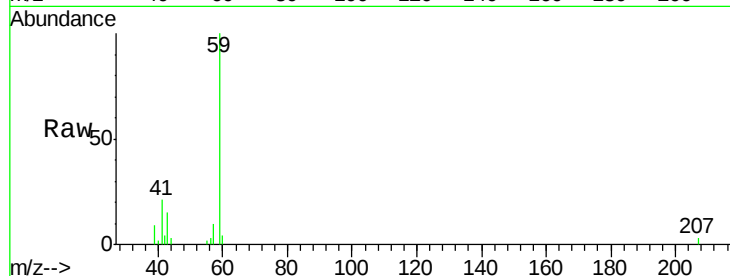
Tert butyl alcohol
Concen: 97.443 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.2	12.4

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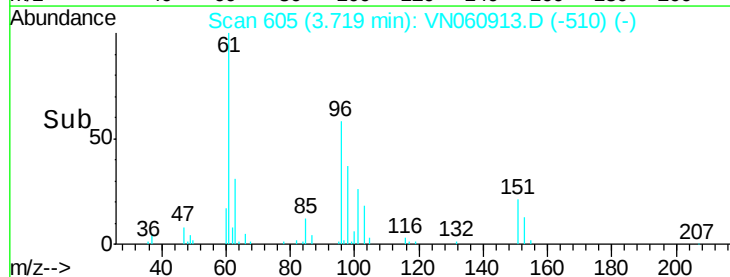
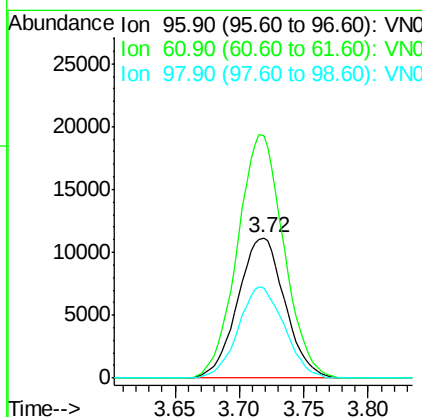
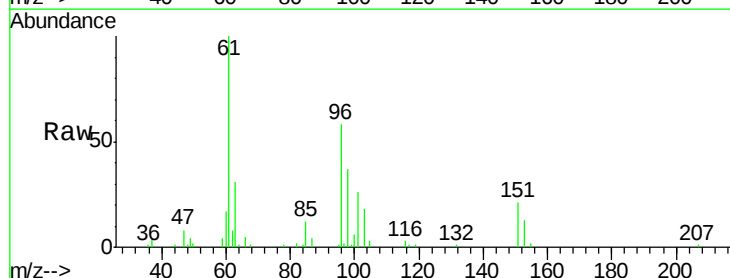
MMDadoda
4/14/2020 10:10:56 AM

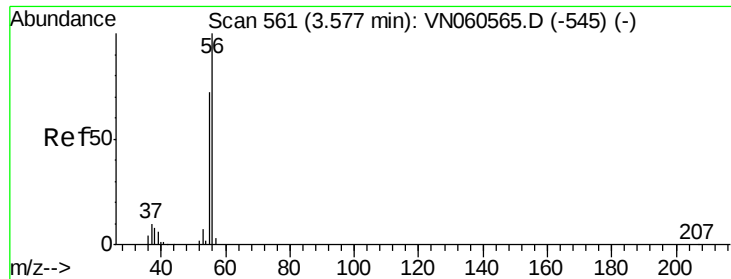


#12

1,1-Dichloroethene
Concen: 18.250 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	134.1	201.1
98	63.8	49.9	74.9





#13

Acrolein

Concen: 23.206 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 56 Resp: 7425

Ion Ratio Lower Upper

56 100

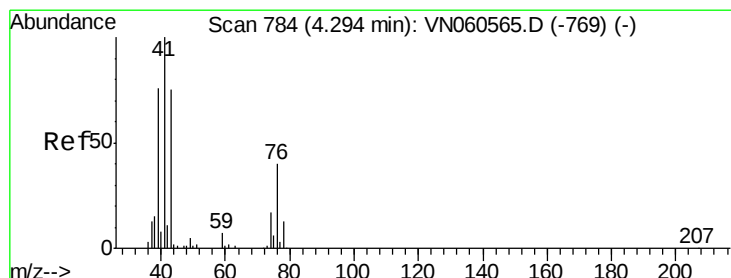
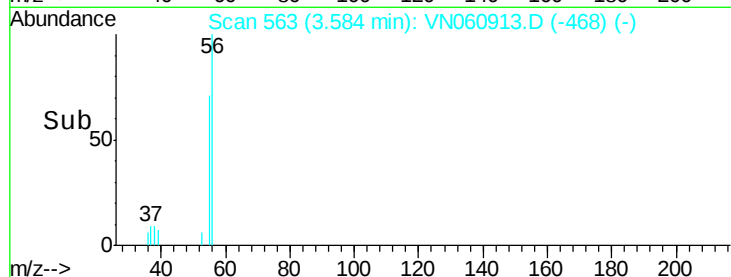
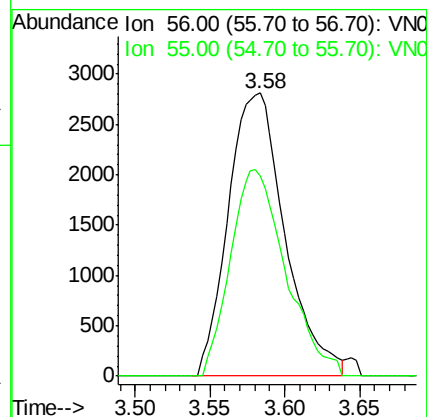
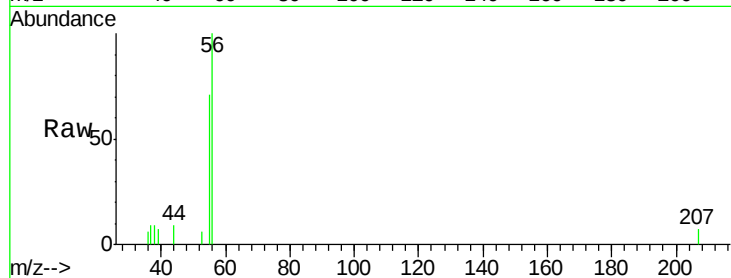
55 71.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.507 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

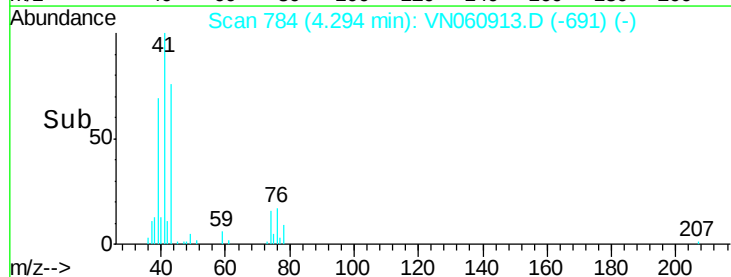
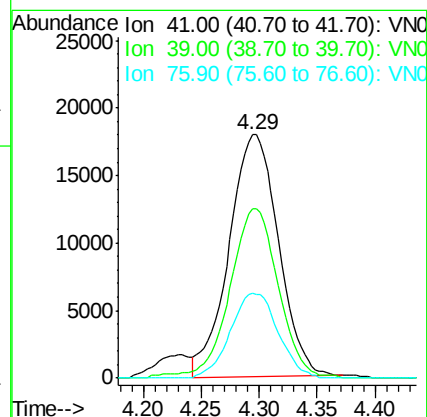
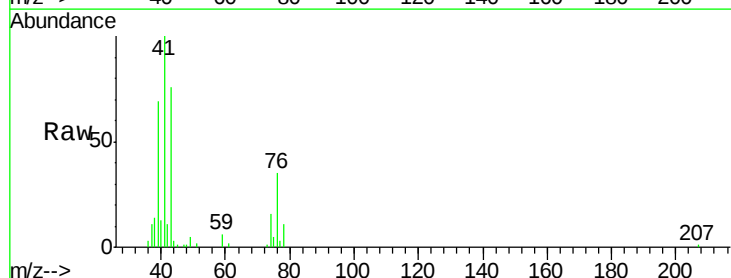
Tgt Ion: 41 Resp: 53115

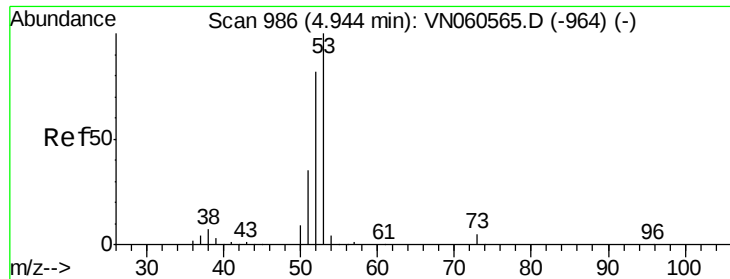
Ion Ratio Lower Upper

41 100

39 69.1 57.8 86.8

76 33.9 28.6 43.0





#15

Acrylonitrile

Concen: 101.121 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

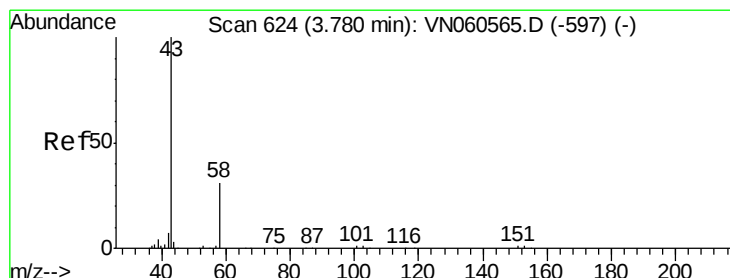
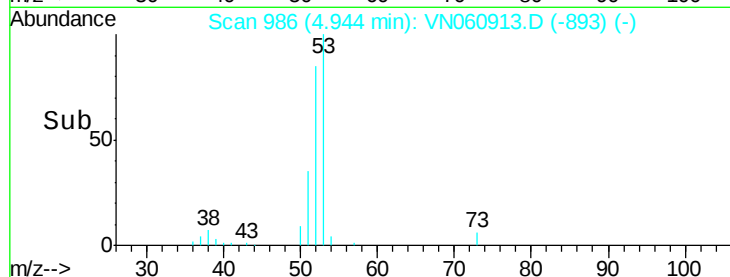
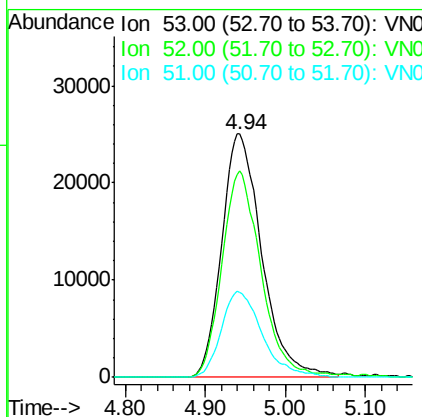
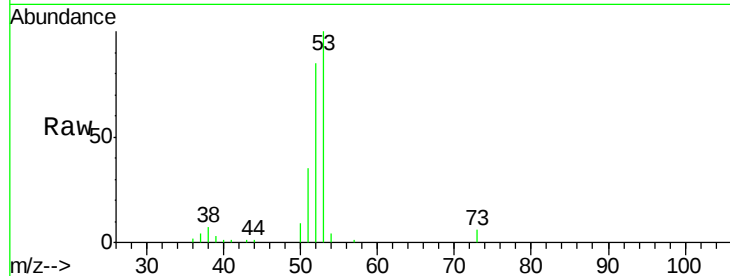
ClientSampleId :

VN0413WBSD01

Tot Ion:	53	Resp:	85844
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.4
51	36.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 99.518 ug/l

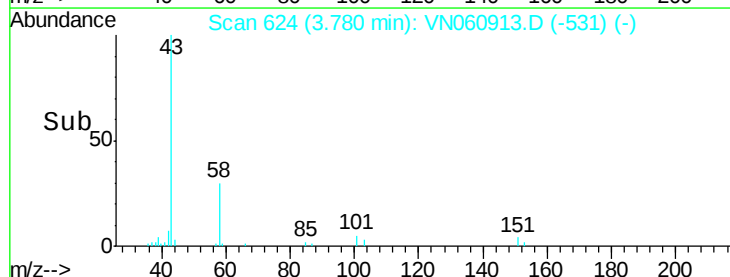
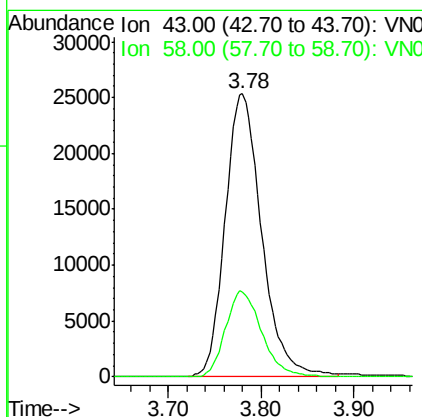
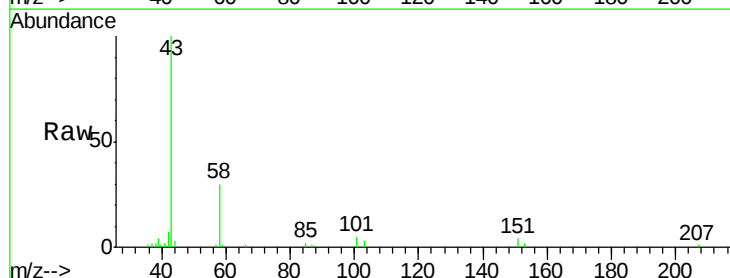
RT: 3.78 min Scan# 624

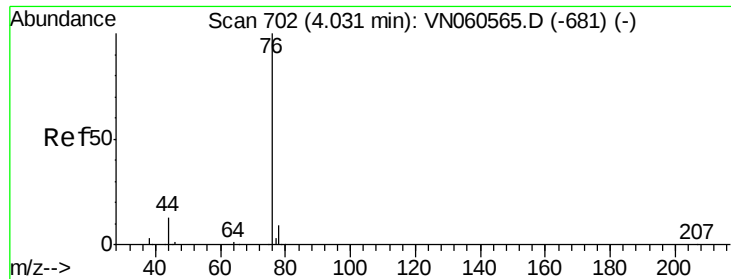
Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion:	43	Resp:	69198
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.1	37.7





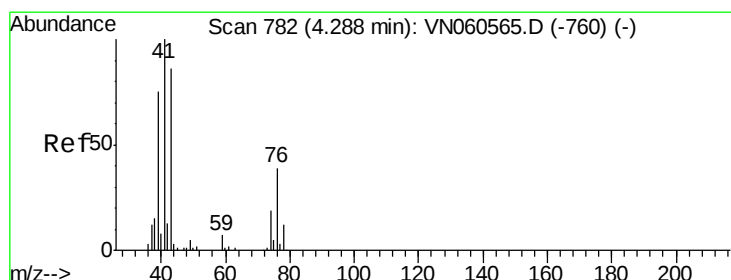
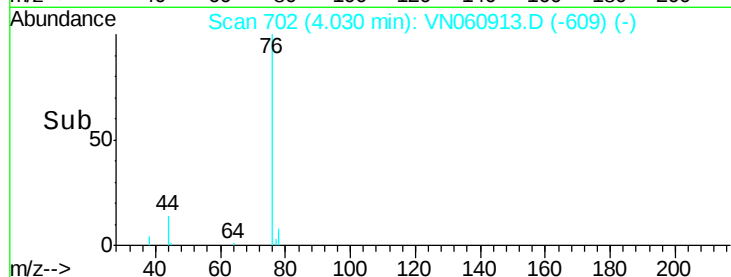
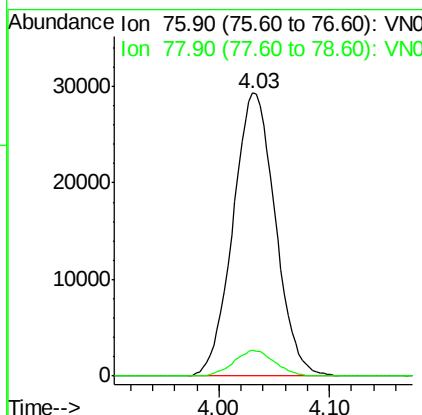
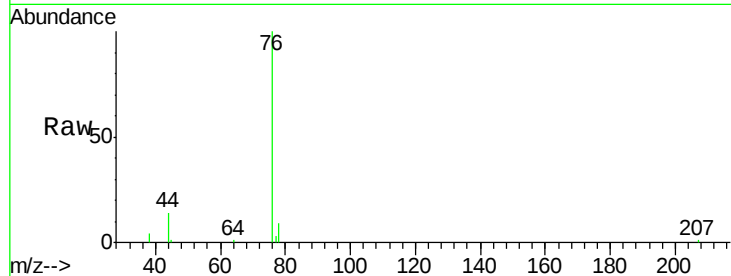
#17
Carbon Disulfide
Concen: 16.541 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

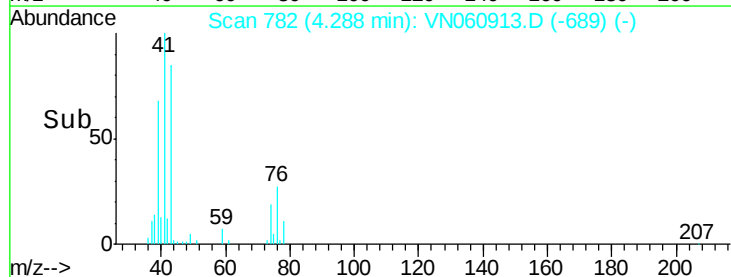
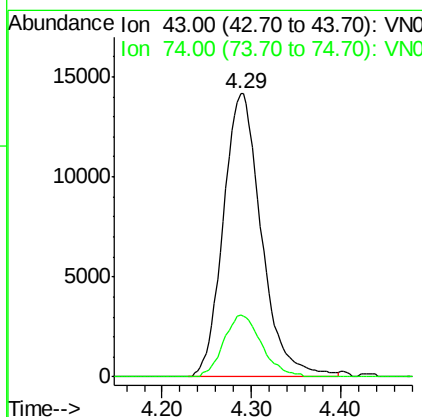
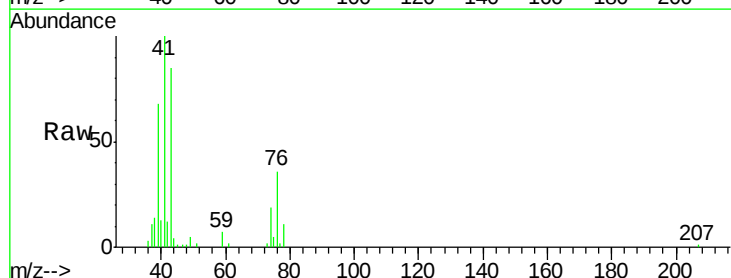
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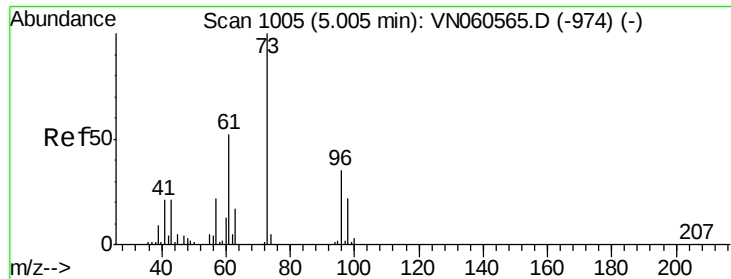
MMDadoda
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#18
Methyl Acetate
Concen: 21.471 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.5	26.3





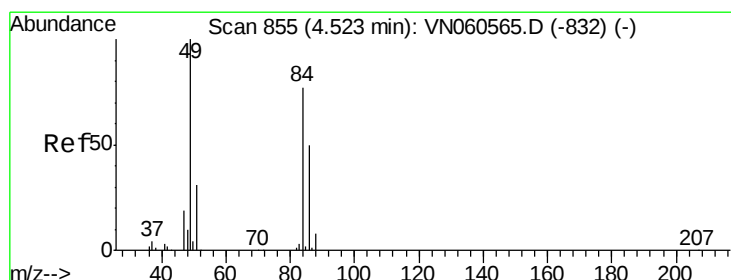
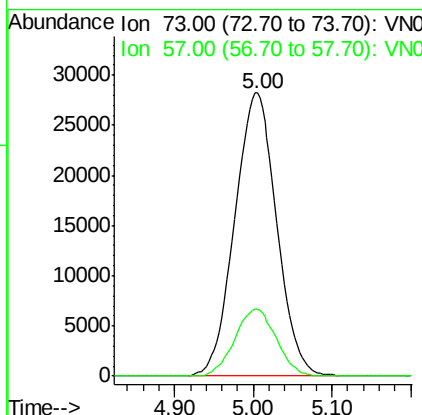
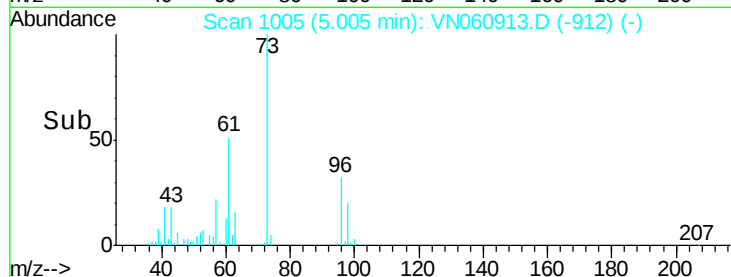
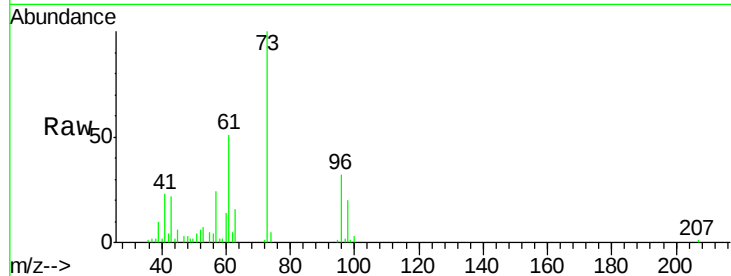
#19
Methyl tert-butyl Ether
Concen: 19.800 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.5	26.3

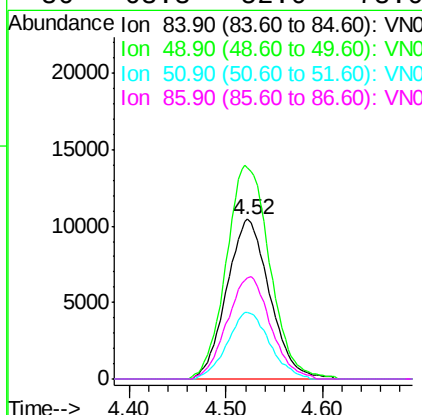
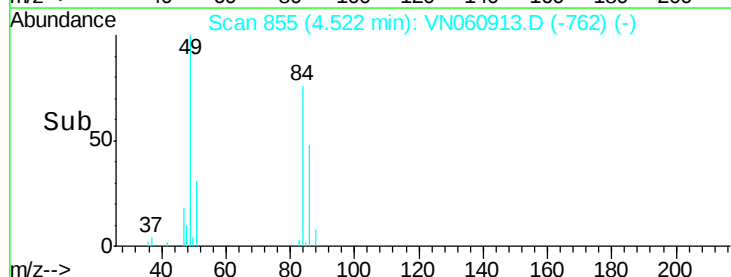
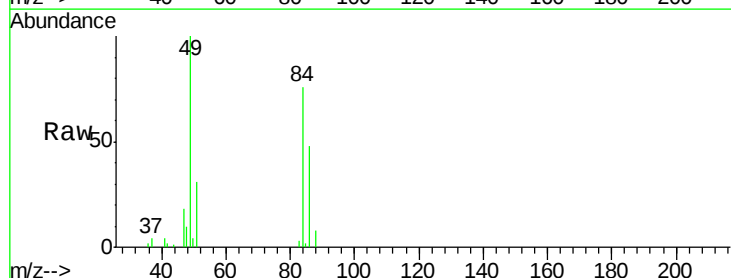
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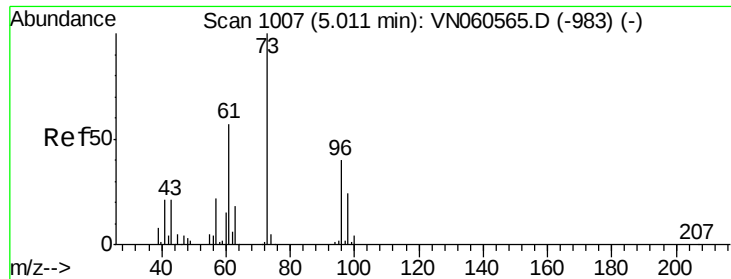
MMDadoda
4/14/2020 10:10:56 AM



#20
Methylene Chloride
Concen: 18.953 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.3	103.3	154.9
51	41.5	31.6	47.4
86	63.3	52.0	78.0





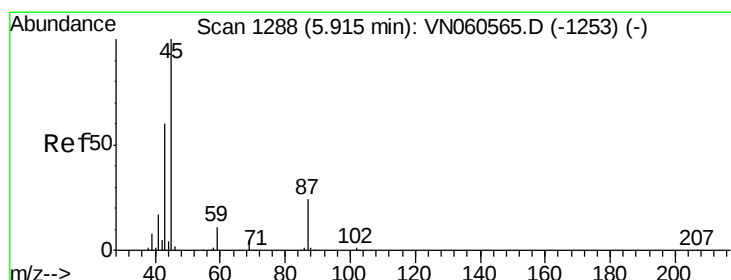
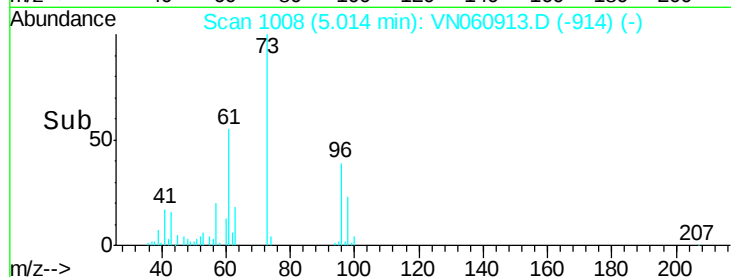
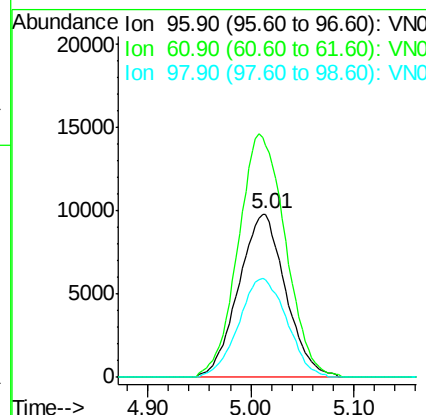
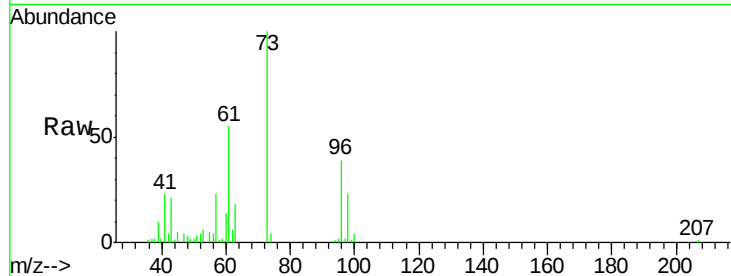
#21
trans-1,2-Dichloroethene
Concen: 18.812 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	114.4	171.6
98	59.8	48.4	72.6

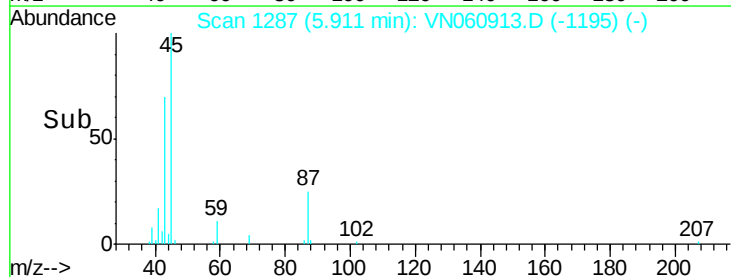
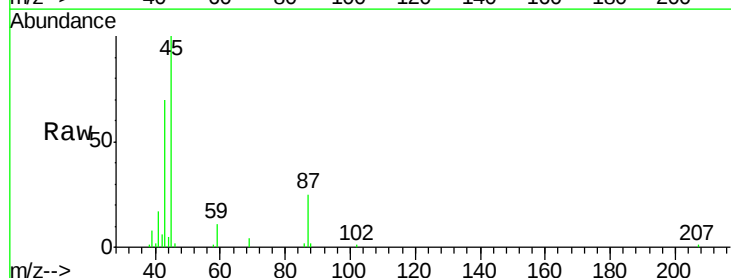
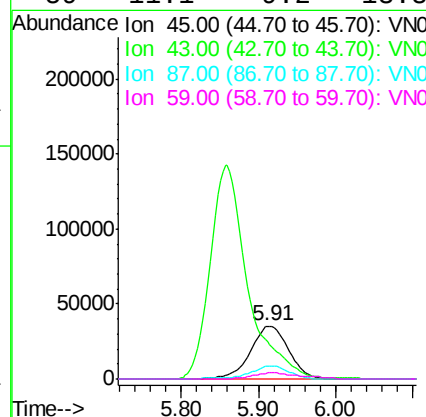
Manual Integrations
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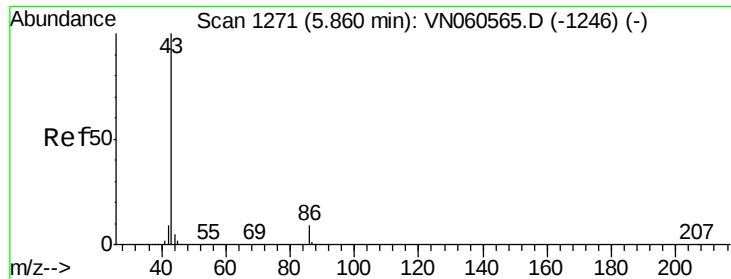
MMDadoda
4/14/2020 10:10:56 AM



#22
Diisopropyl ether
Concen: 21.095 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.4	49.8	74.8
87	25.1	20.1	30.1
59	11.1	9.2	13.8





#23

Vinyl Acetate

Concen: 103.107 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 43 Resp: 483954

Ion Ratio Lower Upper

43 100

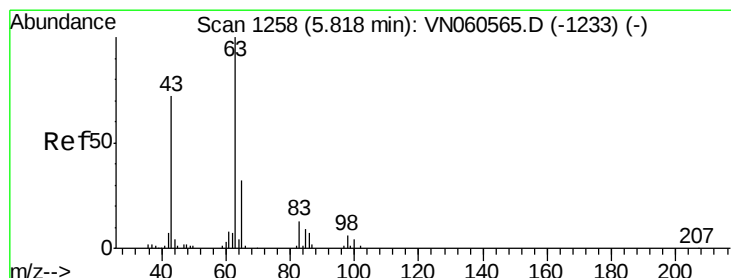
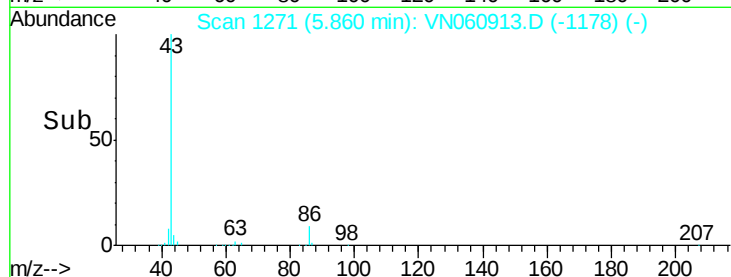
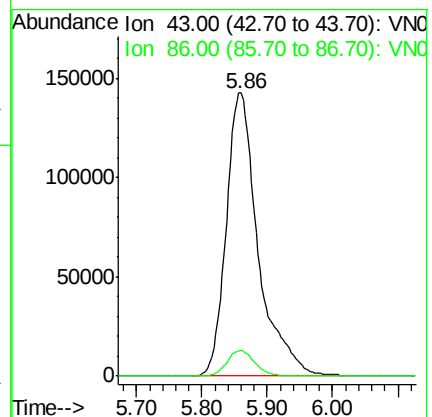
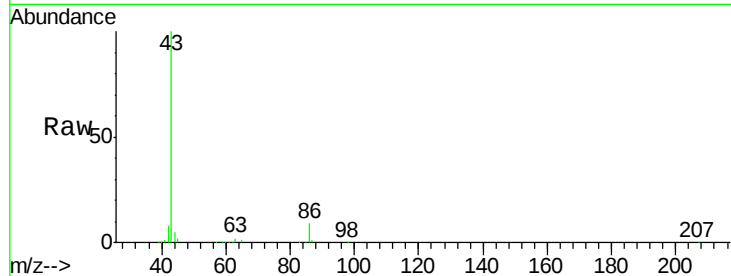
86 9.0 7.6 11.4

Manual Integrations

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4/14/2020 10:10:56 AM



#24

1,1-Dichloroethane

Concen: 20.083 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

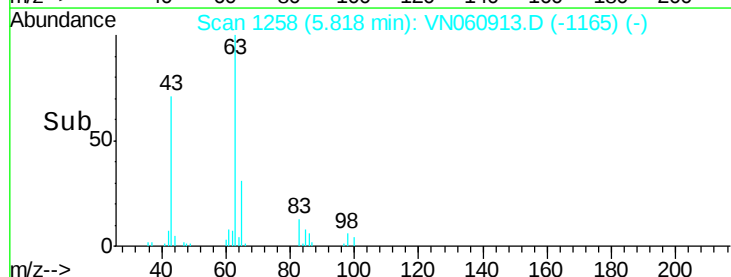
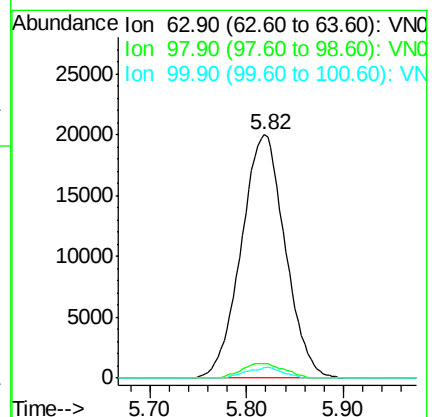
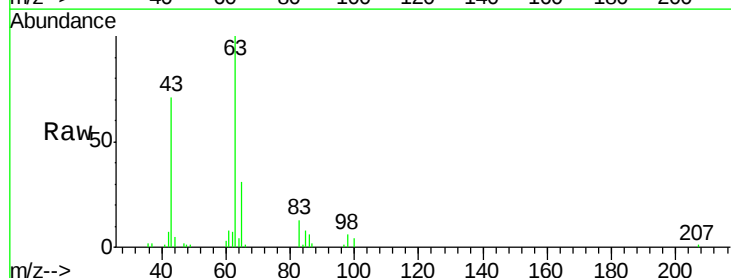
Tgt Ion: 63 Resp: 62981

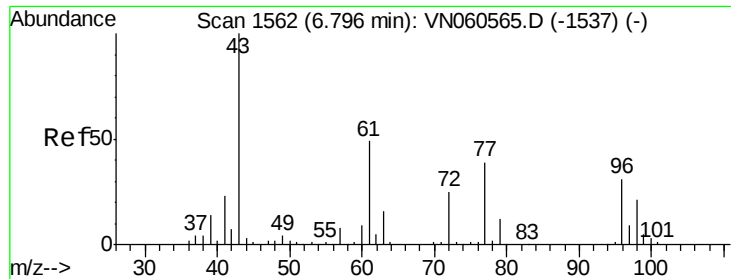
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 4.3 1.8 5.5





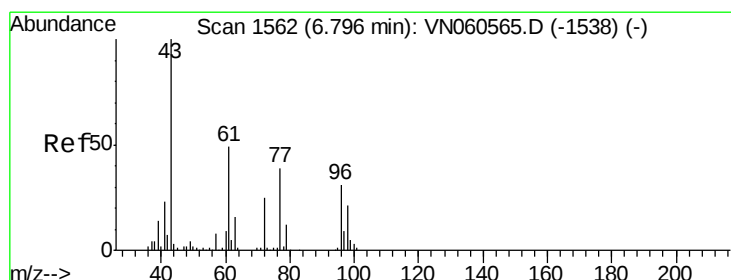
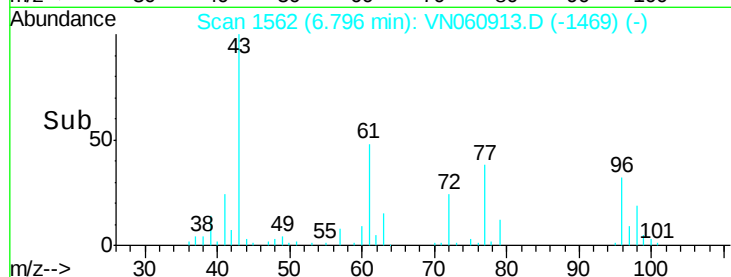
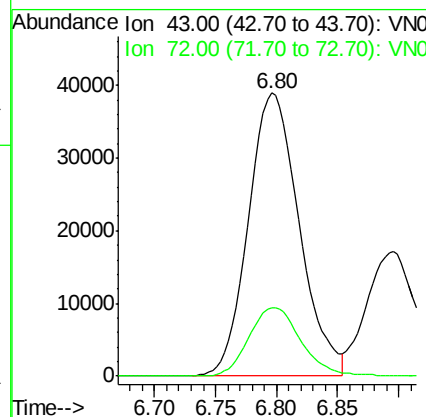
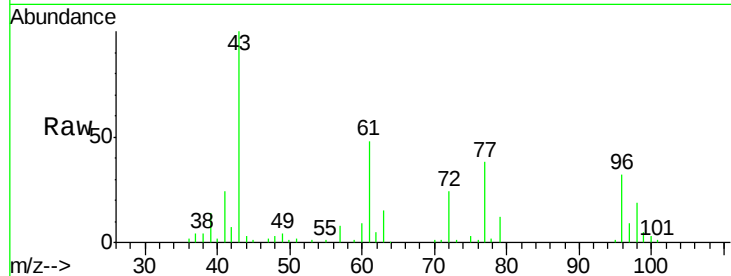
#25
2-Butanone
Concen: 100.087 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion: 43 Resp: 112614
Ion Ratio Lower Upper
43 100
72 24.0 20.4 30.6

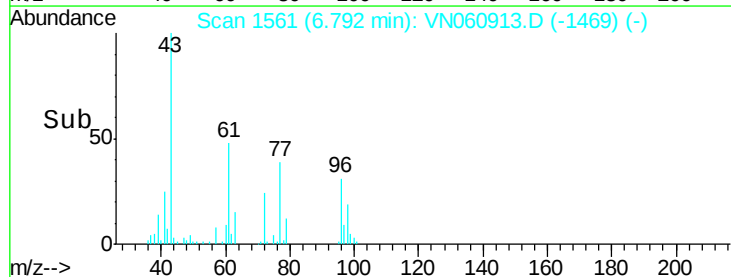
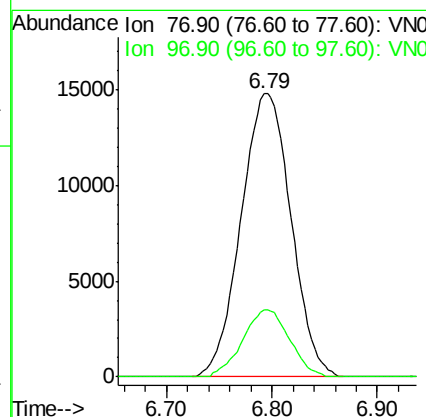
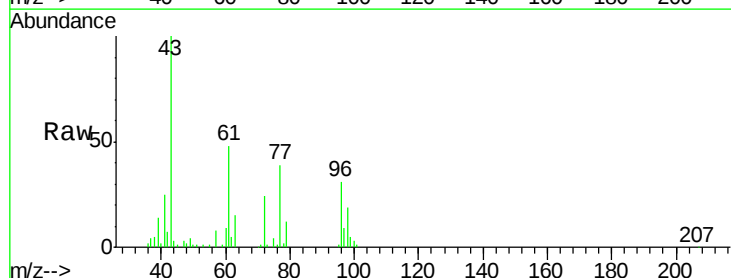
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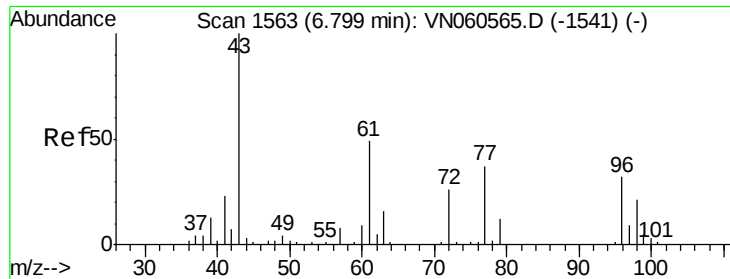
MMDadoda
4/14/2020 10:10:56 AM



#26
2,2-Dichloropropane
Concen: 19.725 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 77 Resp: 48671
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.1





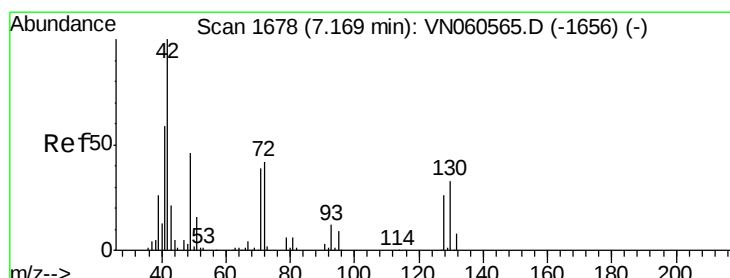
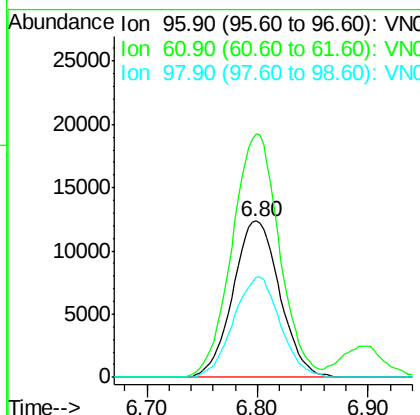
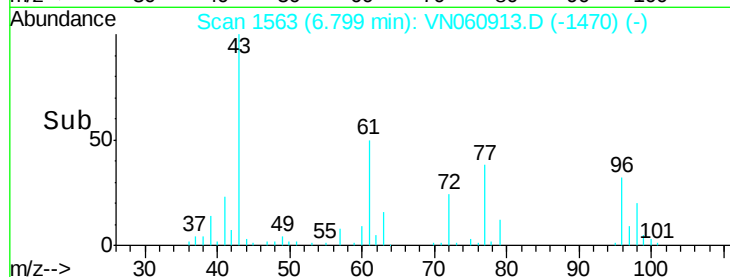
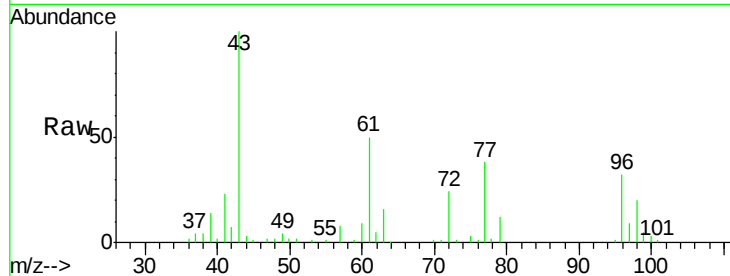
#27
 cis-1,2-Dichloroethene
 Concen: 19.398 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	305.6
98	63.9	0.0	127.6

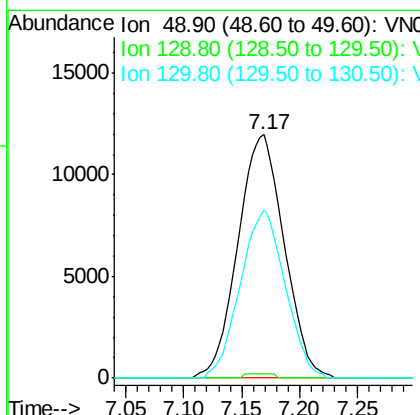
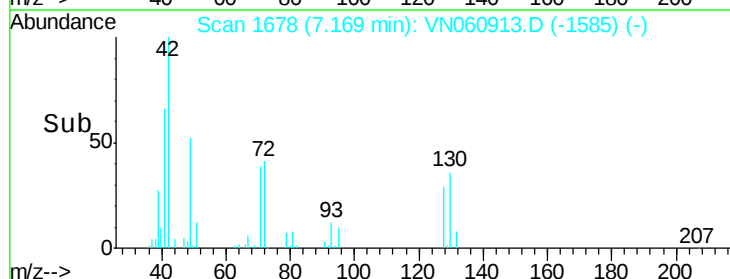
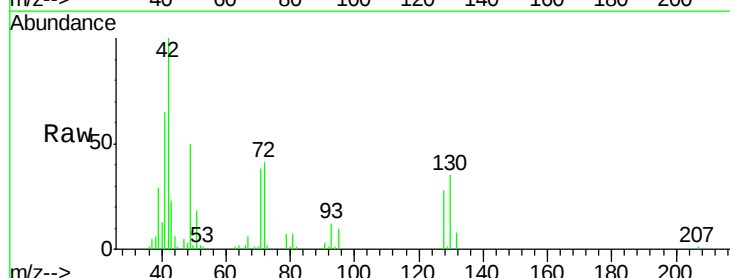
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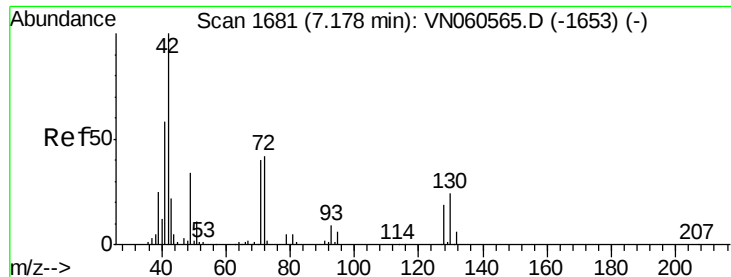
MMDadoda
 4/14/2020 10:10:56 AM



#28
 Bromochloromethane
 Concen: 22.156 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	66.7	55.0	82.4





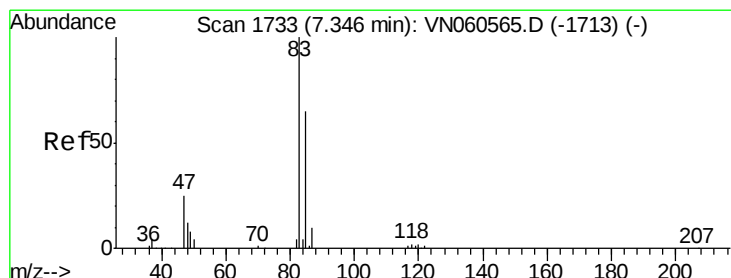
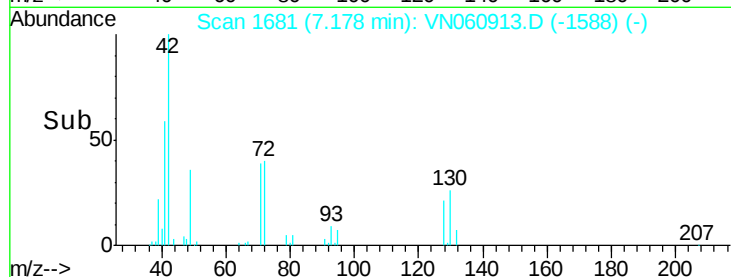
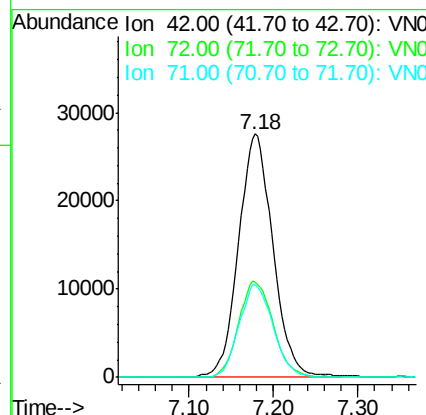
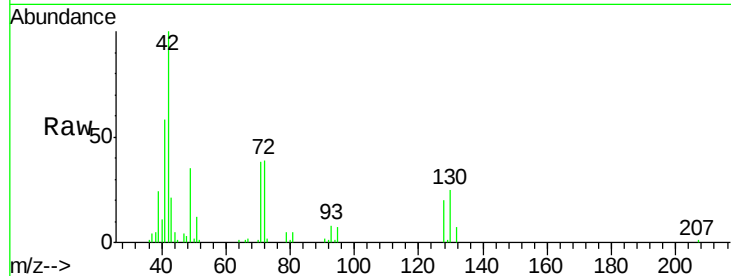
#29
Tetrahydrofuran
Concen: 98.522 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	33.2	49.8
71	37.5	31.1	46.7

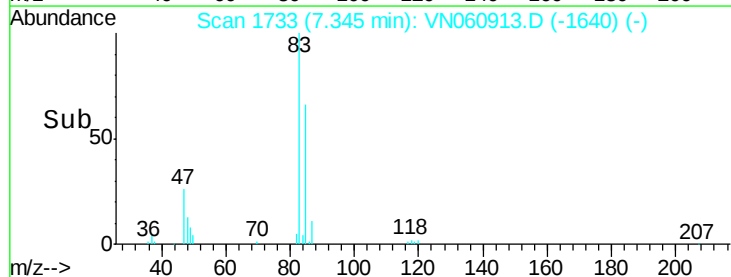
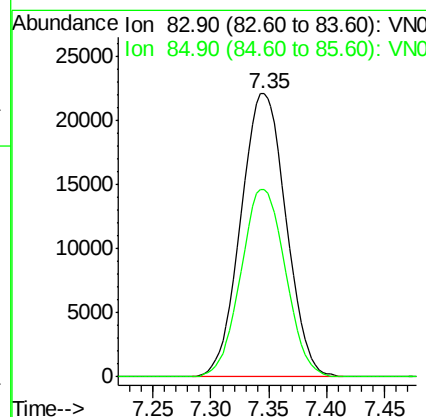
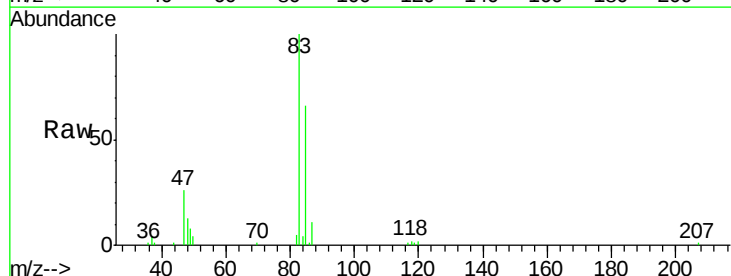
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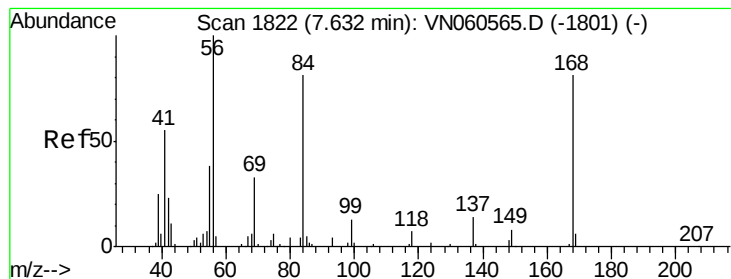
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#30
Chloroform
Concen: 19.926 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8





#31

Cyclohexane

Concen: 18.438 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

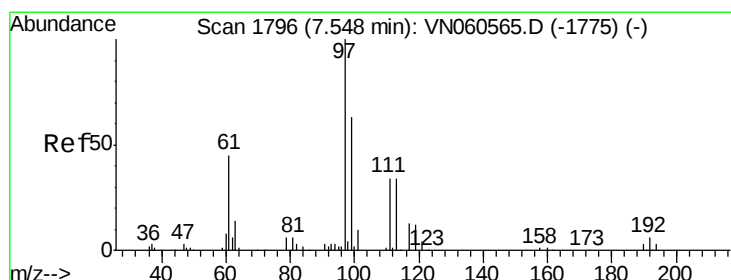
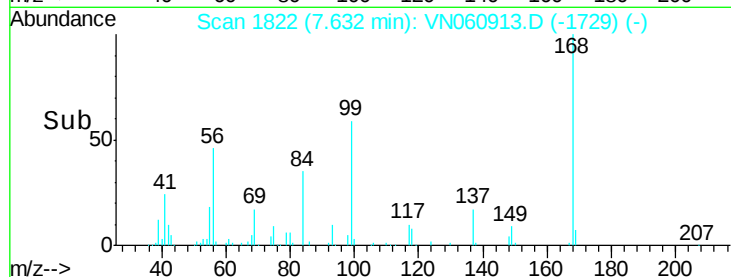
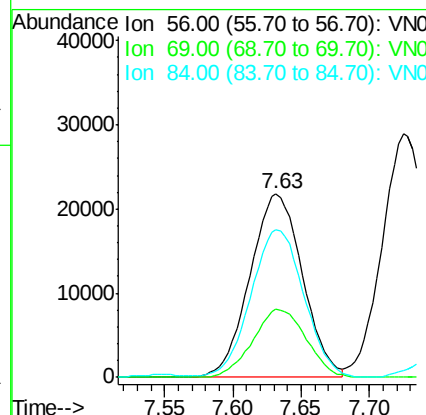
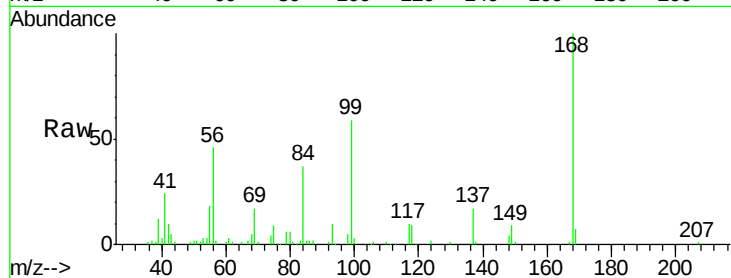
ClientSampleId :

VN0413WBSD01

Tot Ion:	56	Resp:	58294
Ion Ratio	Lower	Upper	
56	100		
69	37.0	26.6	40.0
84	79.7	64.3	96.5

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#32

1,1,1-Trichloroethane

Concen: 19.382 ug/l

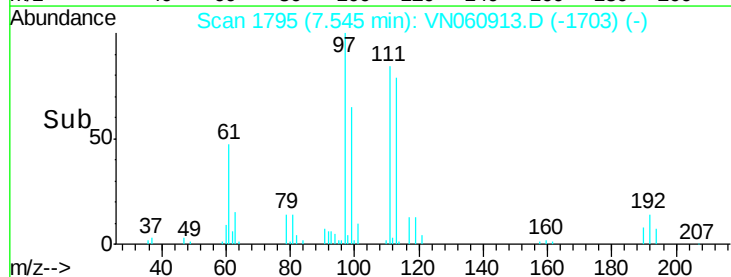
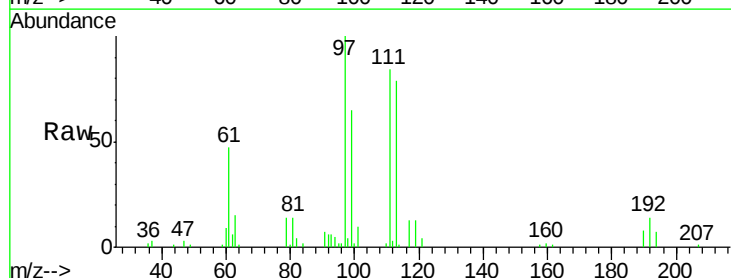
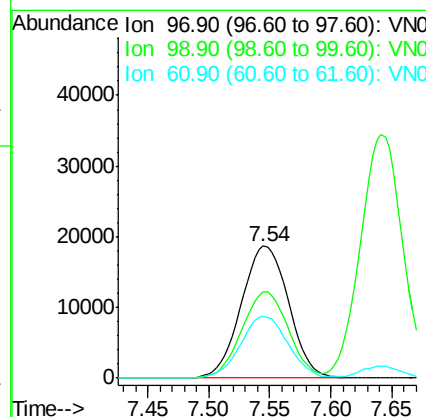
RT: 7.54 min Scan# 1795

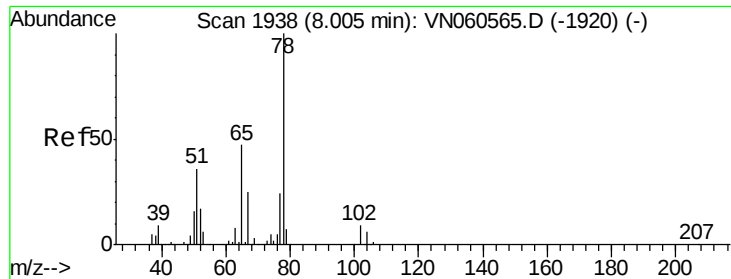
Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion:	97	Resp:	50232
Ion Ratio	Lower	Upper	
97	100		
99	64.5	50.6	75.8
61	46.9	36.2	54.4





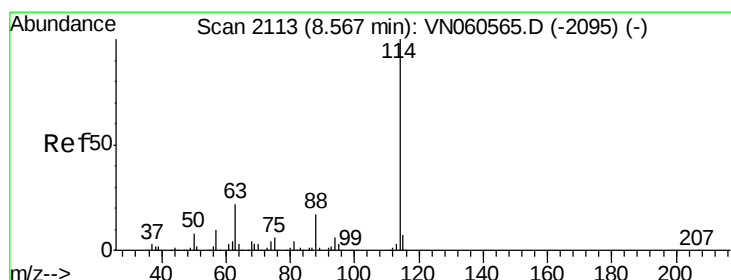
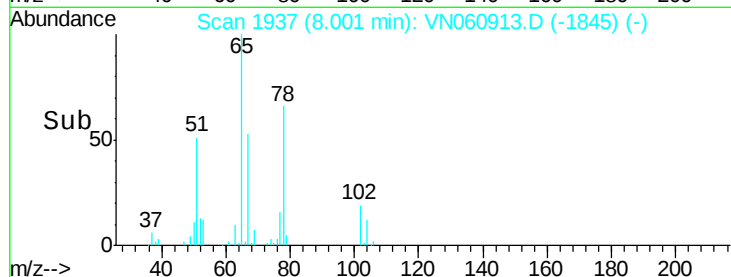
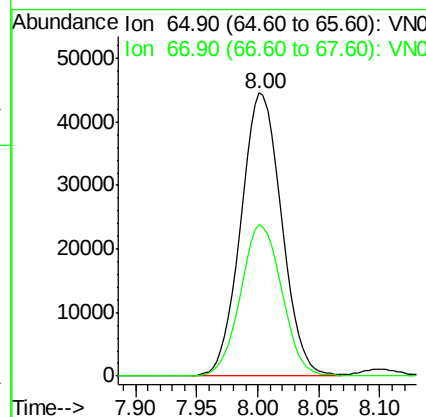
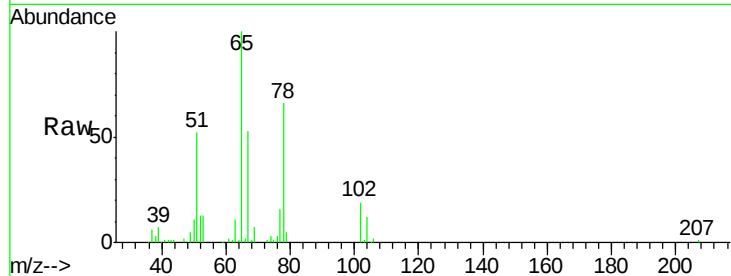
#33
 1,2-Dichloroethane-d4
 Concen: 52.603 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	107.6	

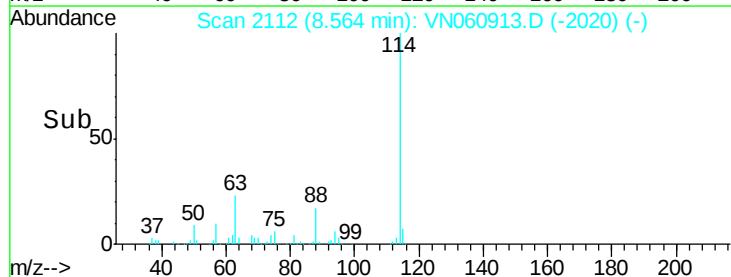
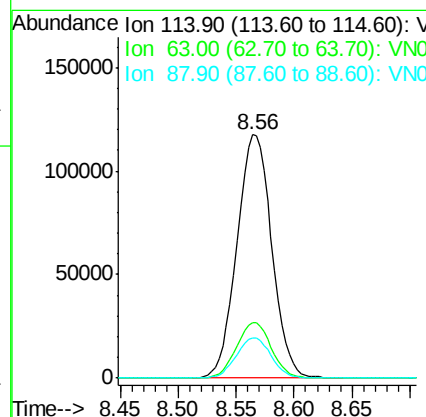
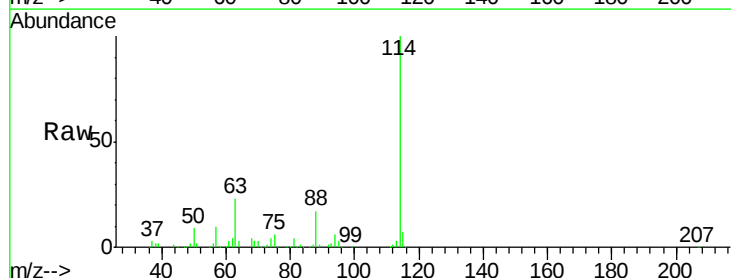
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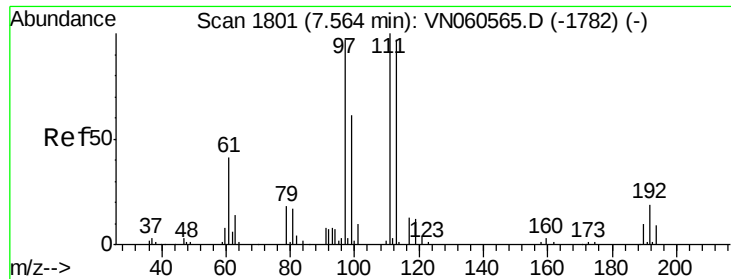
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	43.8	
88	16.7	0.0	33.0	





#35

Dibromofluoromethane

Concen: 52.258 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion:113 Resp: 77398

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

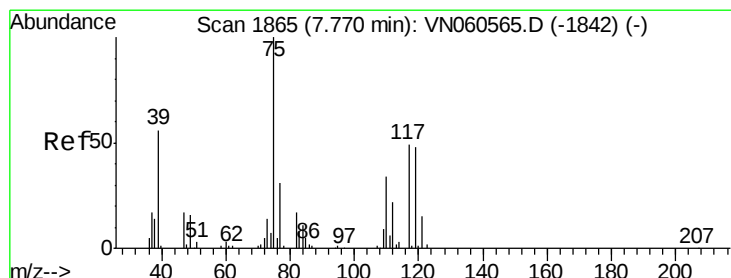
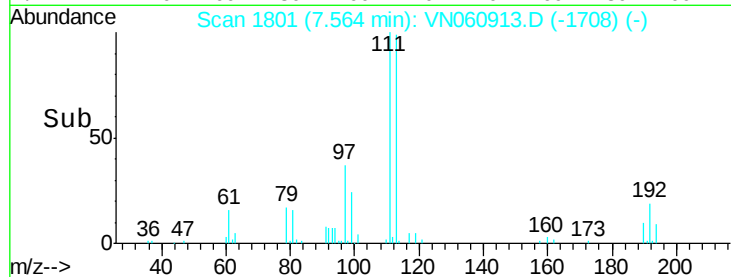
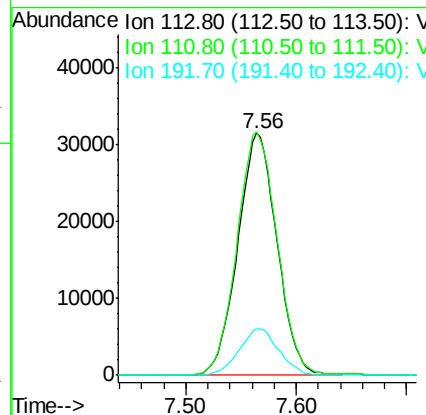
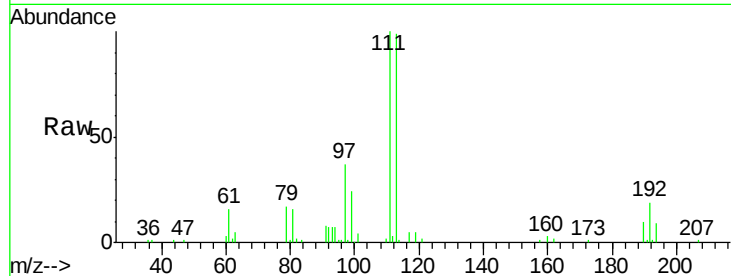
192 19.4 15.8 23.8

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#36

1,1-Dichloropropene

Concen: 19.116 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

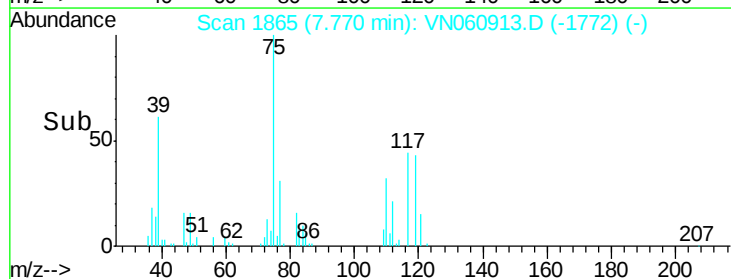
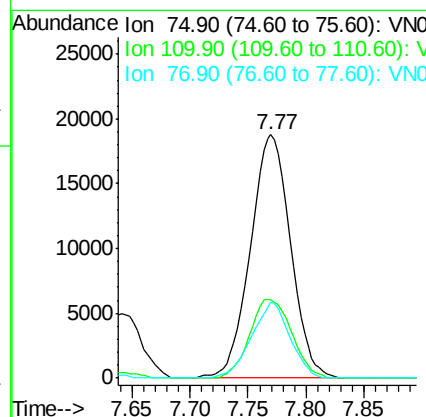
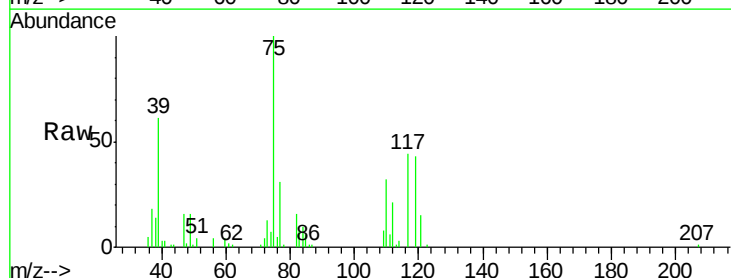
Tgt Ion: 75 Resp: 45339

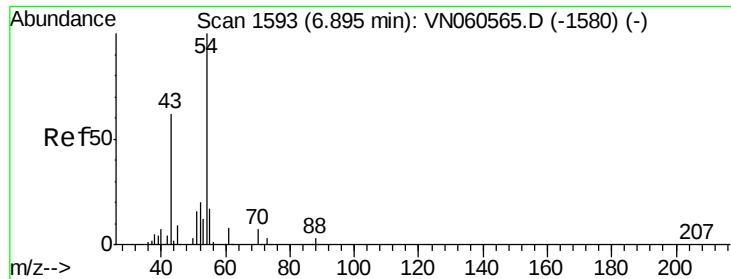
Ion Ratio Lower Upper

75 100

110 33.7 16.9 50.6

77 29.9 24.6 36.8





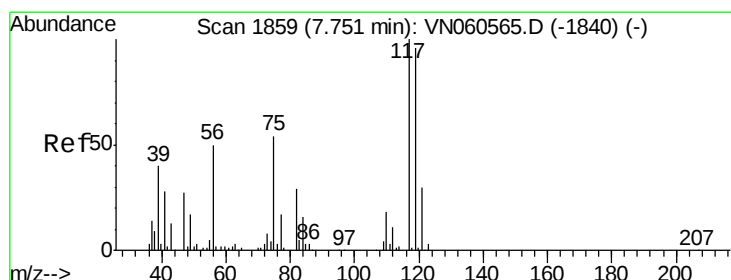
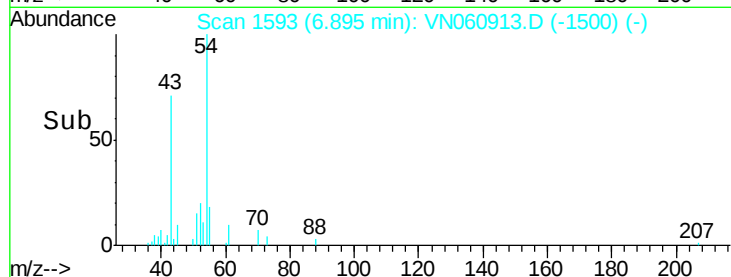
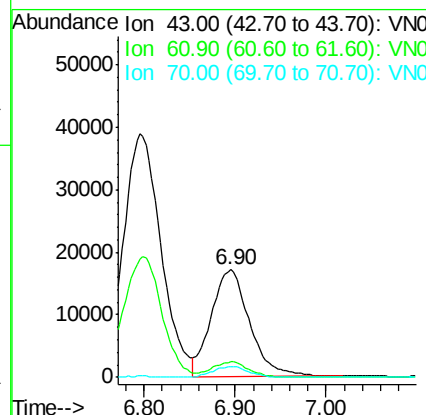
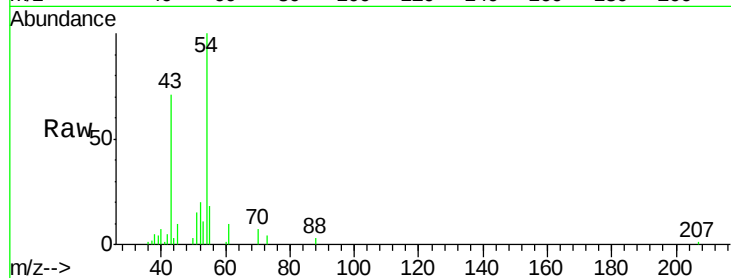
#37
Ethyl Acetate
Concen: 19.566 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleID :
VN0413WBSD01

Tot Ion	43	Resp	50142
Ion Ratio	100	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	9.2	7.9	11.9

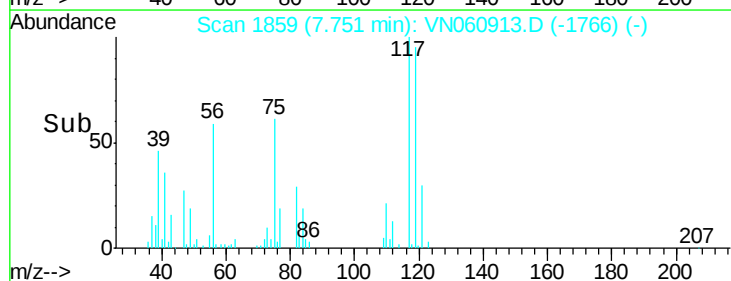
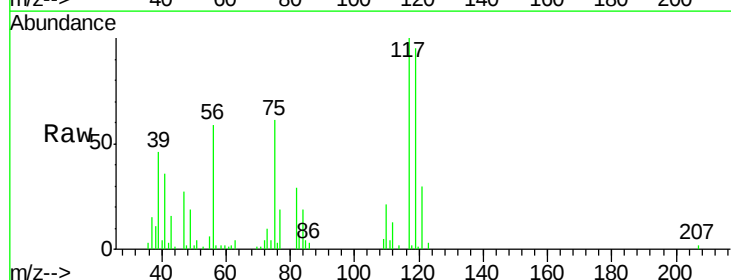
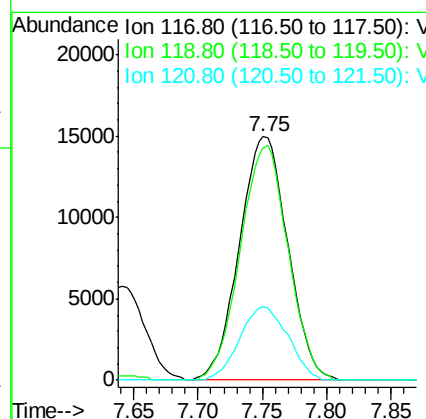
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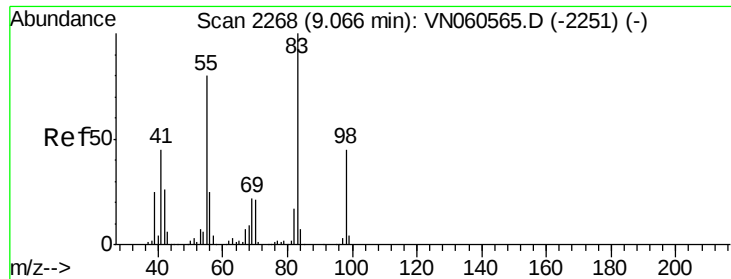
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#38
Carbon Tetrachloride
Concen: 18.368 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	117	Resp	39046
Ion Ratio	100	Lower	Upper
117	100		
119	95.4	76.2	114.2
121	30.3	23.7	35.5





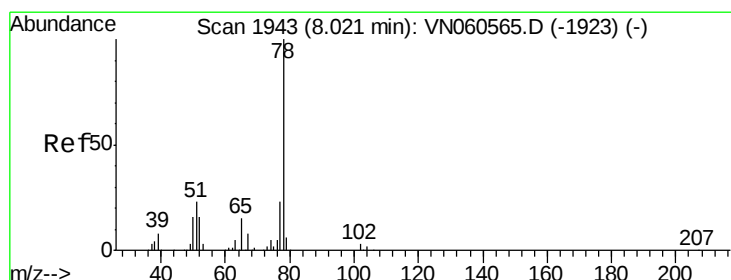
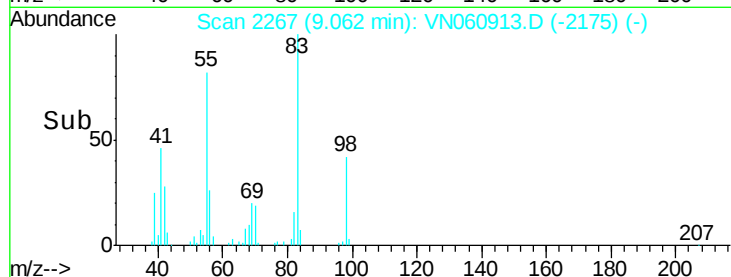
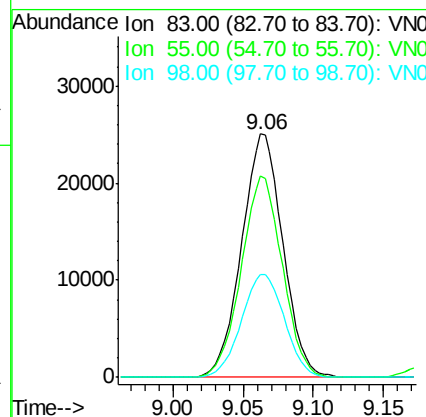
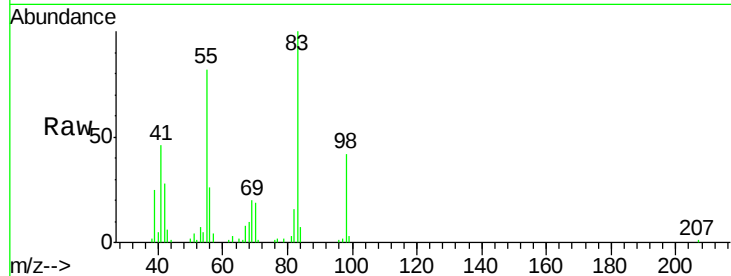
#39
Methvlcvclohexane
Concen: 18.208 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	63.6	95.4
98	42.3	36.0	54.0

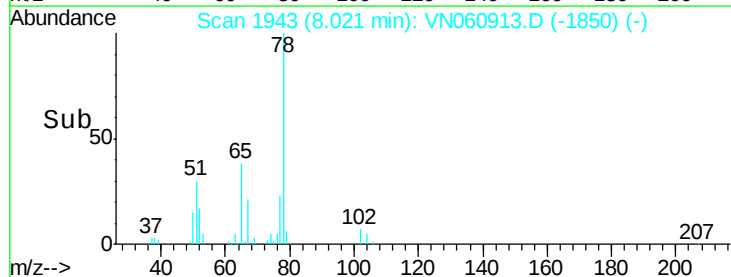
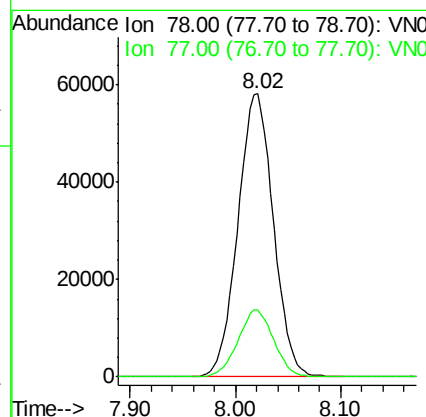
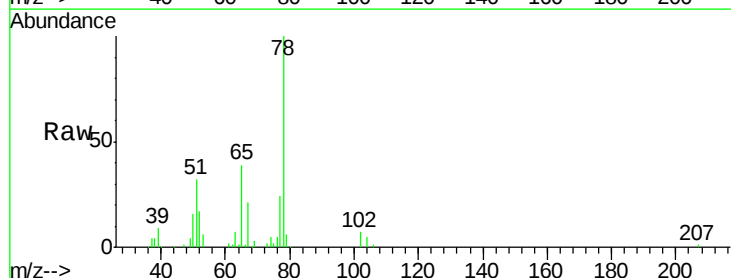
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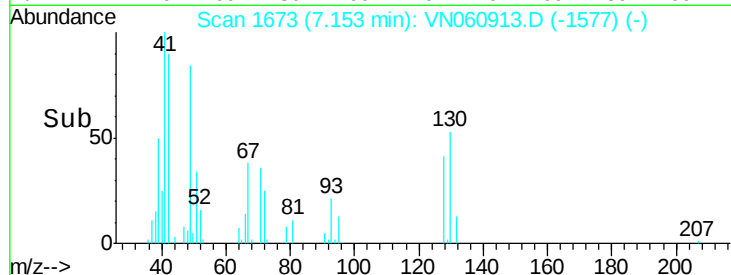
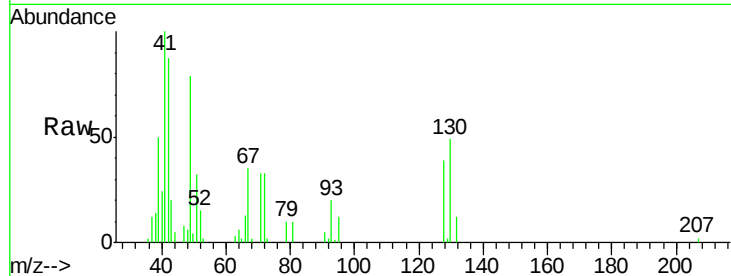
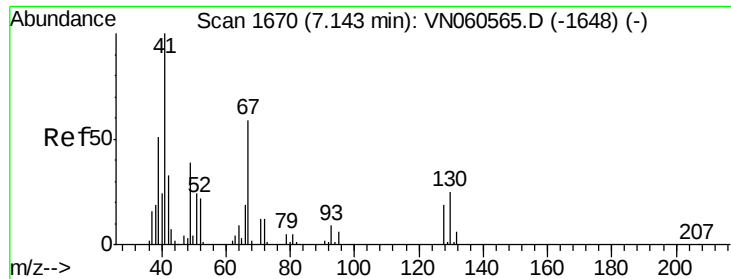
MMDadoda
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#40
Benzene
Concen: 18.983 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





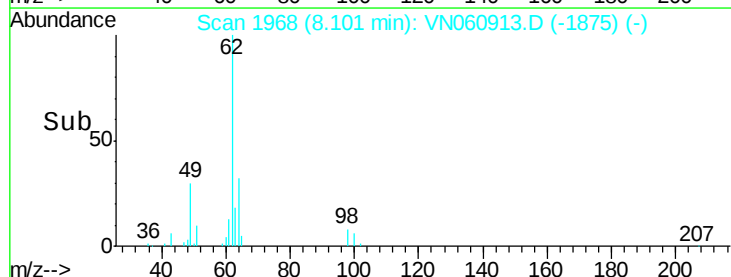
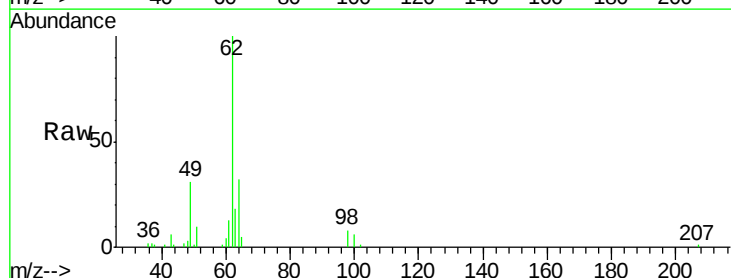
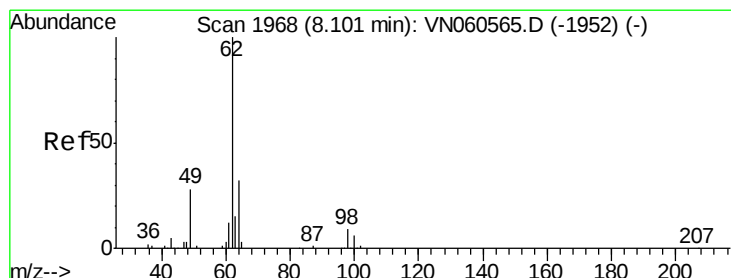
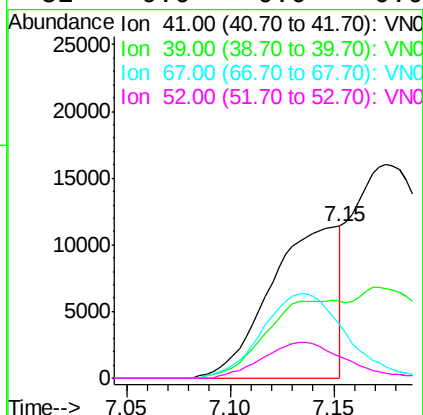
#41
Methacrylonitrile
Concen: 24.069 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.01 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tot Ion	41	Resp	26325
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

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

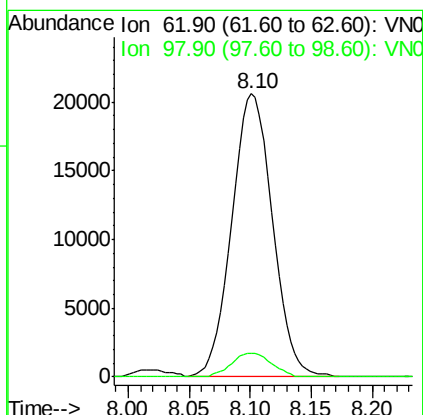
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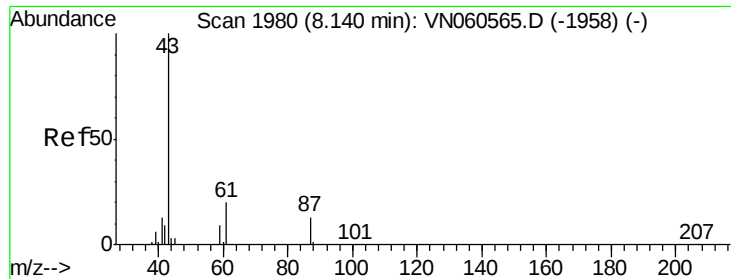
MMDadoda
4/14/2020 10:10:56 AM



#42
1,2-Dichloroethane
Concen: 19.535 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	62	Resp	47800
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	17.8





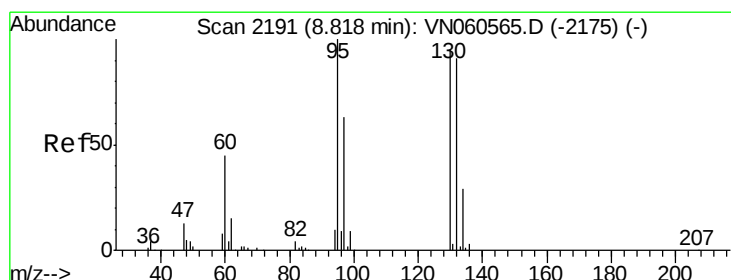
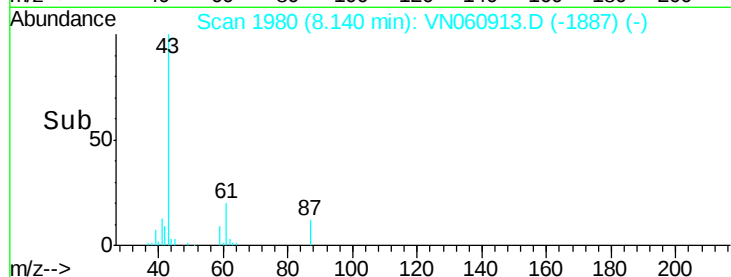
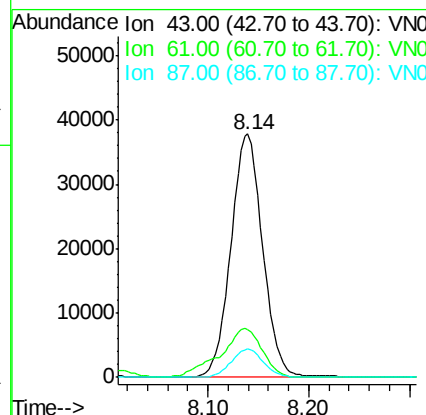
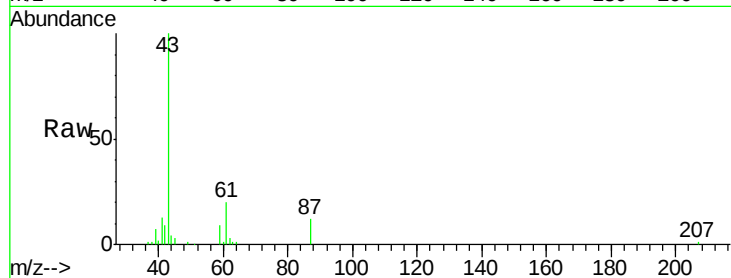
#43
Isopropyl Acetate
Concen: 19.638 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.7	31.1
87	11.7	9.8	14.8

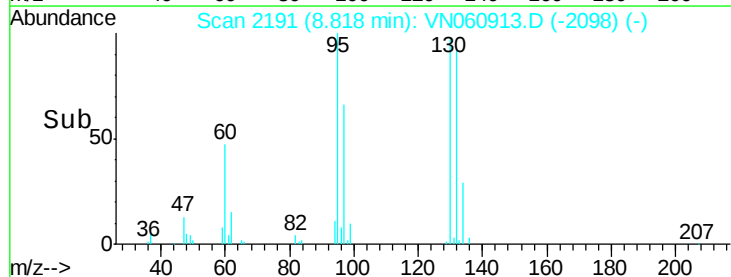
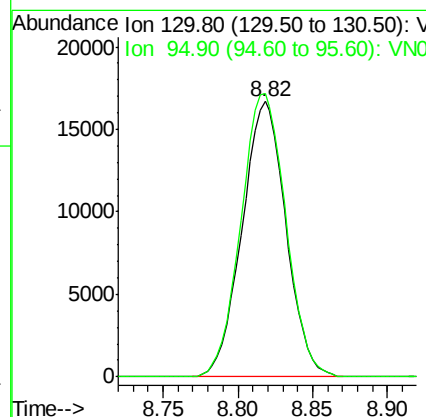
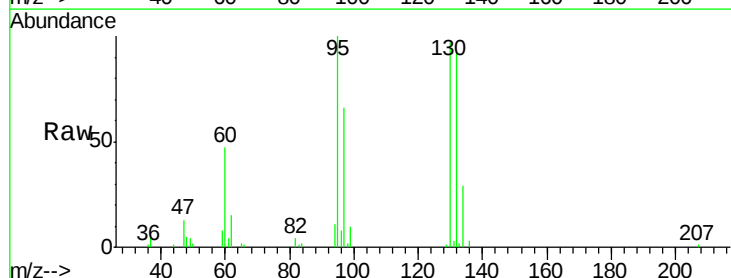
Manual Integrations
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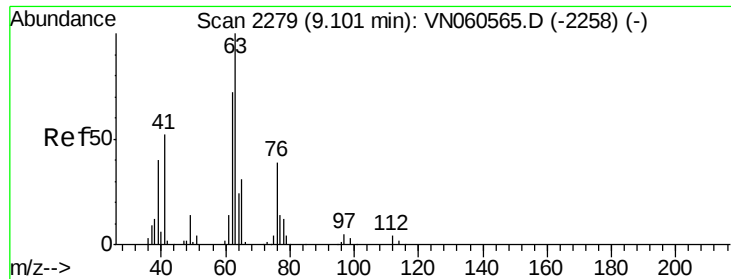
MMDadoda
4/14/2020 10:10:56 AM



#44
Trichloroethene
Concen: 18.849 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.156 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 63 Resp: 38079

Ion Ratio Lower Upper

63 100

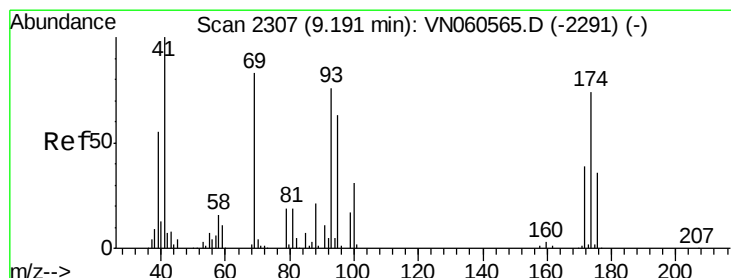
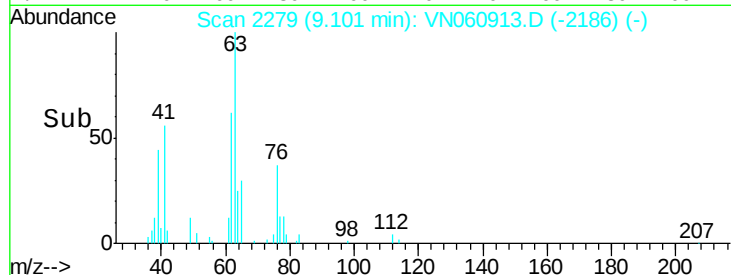
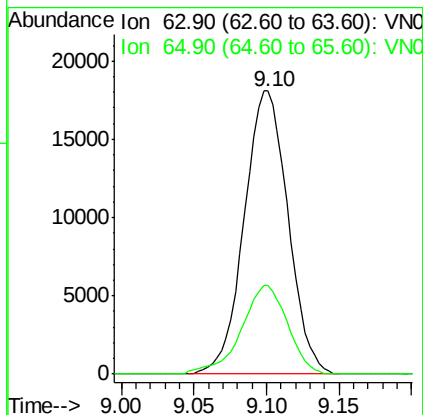
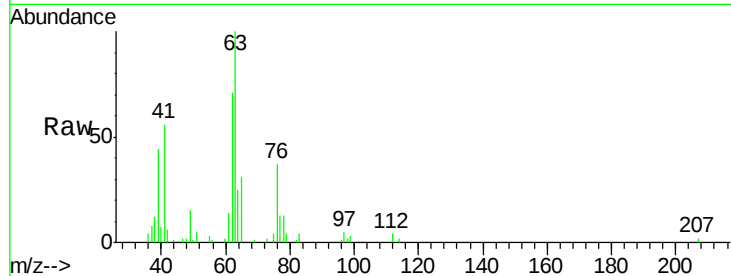
65 31.3 25.4 38.0

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#46

Dibromomethane

Concen: 19.678 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

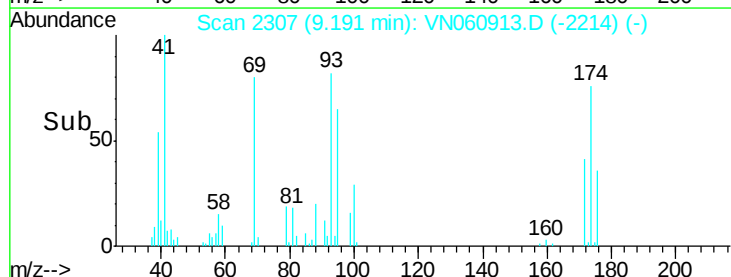
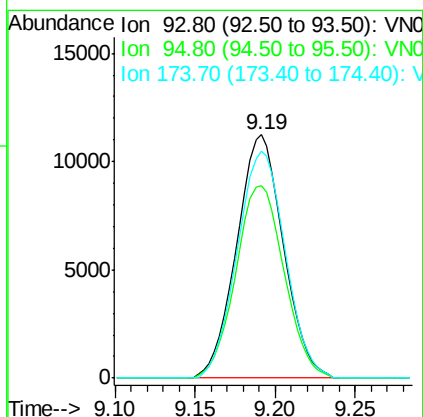
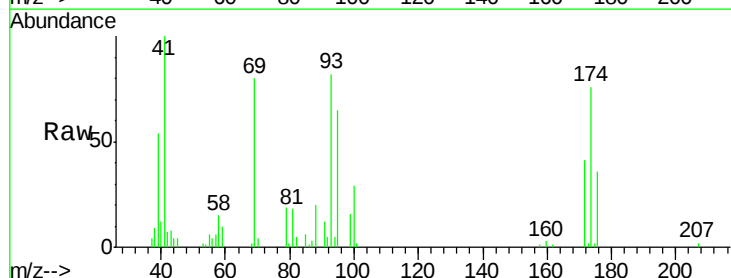
Tgt Ion: 93 Resp: 22475

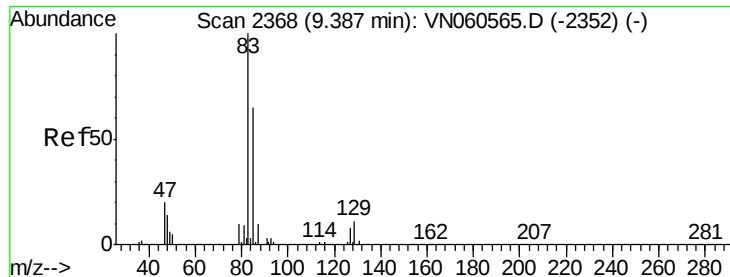
Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.4

174 95.6 77.9 116.9





#47

Bromodichloromethane

Concen: 19.454 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

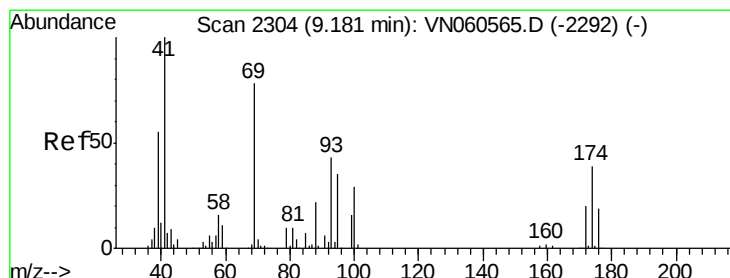
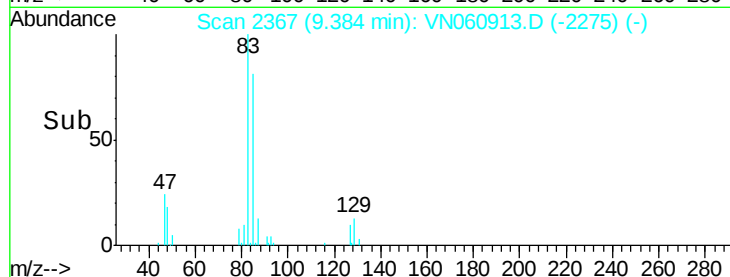
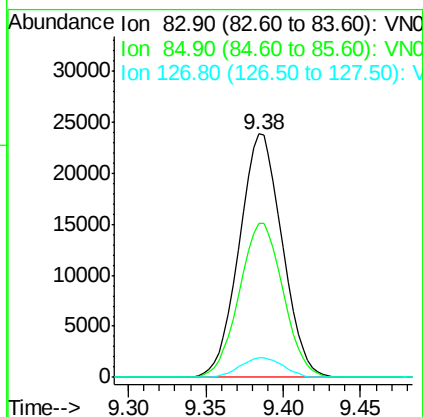
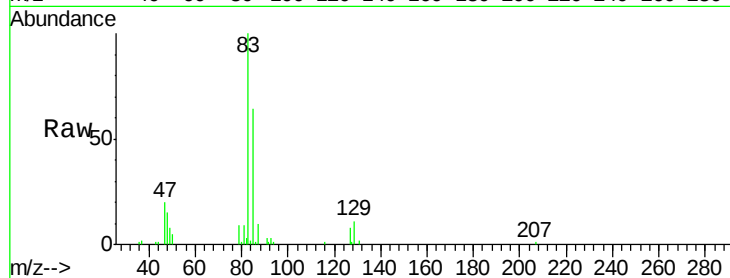
ClientSampleId :

VN0413WBSD01

Tot Ion:	83	Resp:	46173
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	7.9	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.088 ug/l

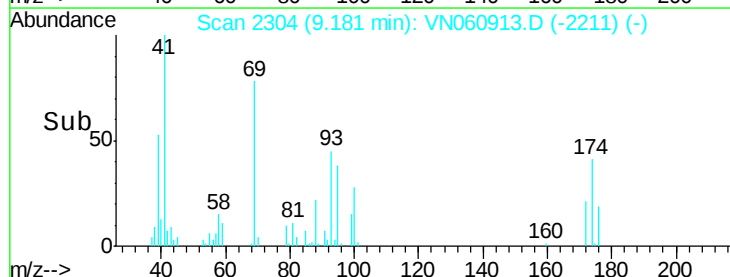
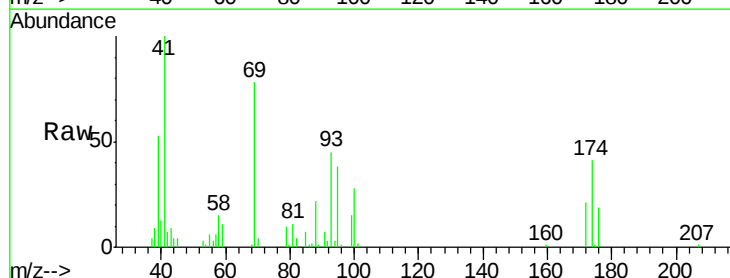
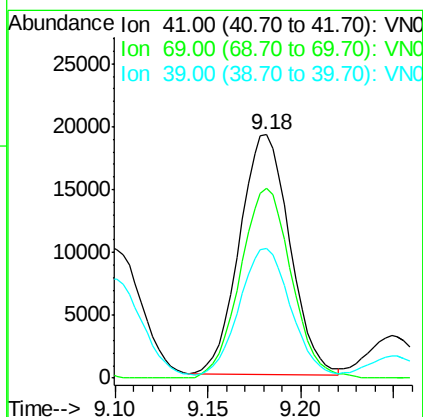
RT: 9.18 min Scan# 2304

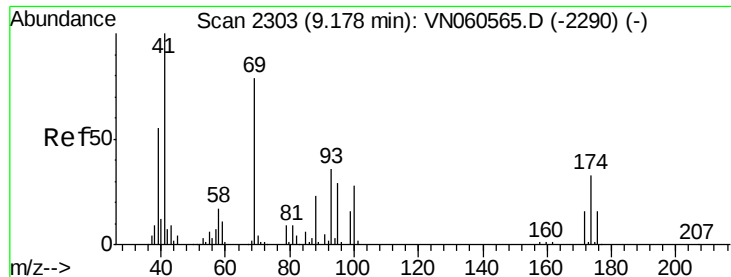
Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion:	41	Resp:	35919
Ion	Ratio	Lower	Upper
41	100		
69	80.5	65.4	98.0
39	56.6	44.0	66.0





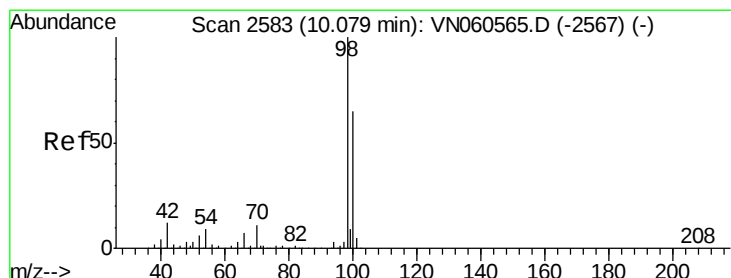
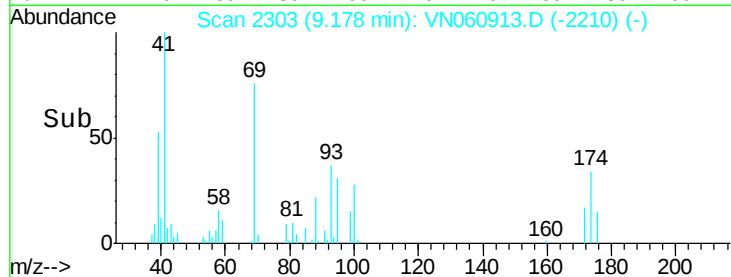
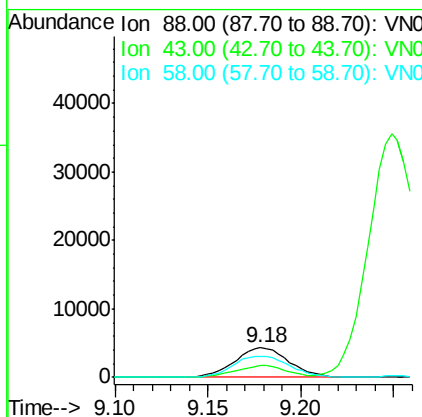
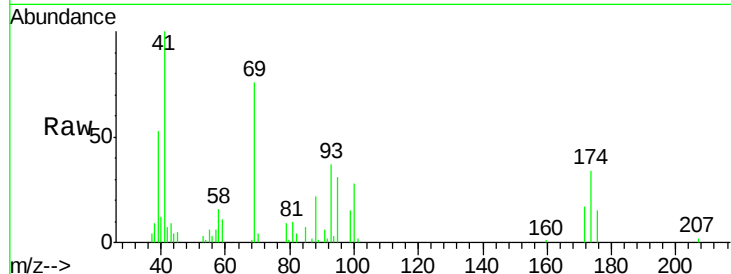
#49
 1,4-Dioxane
 Concen: 387.224 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	88	Resp	8661
Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.8	46.2
58	75.0	59.8	89.8

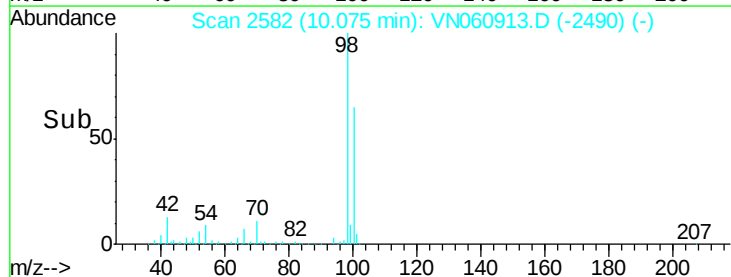
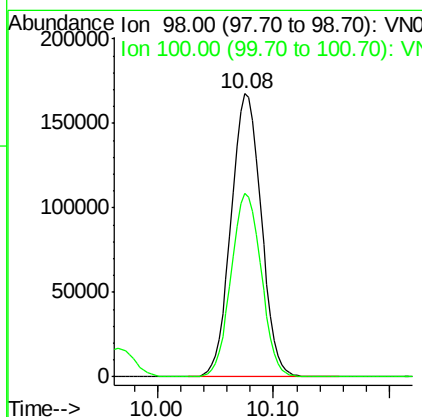
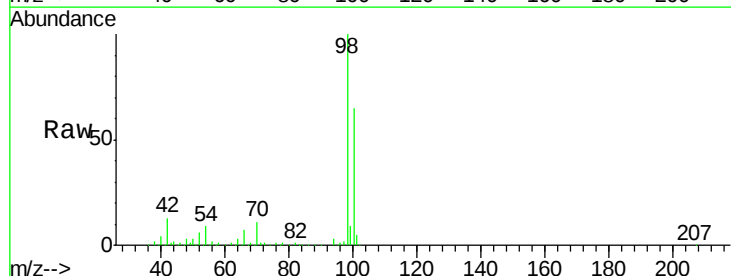
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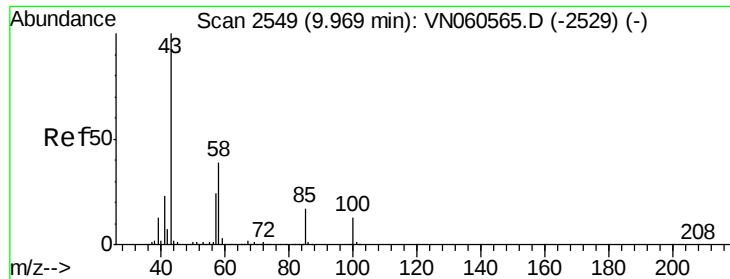
MMDadoda
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#50
 Toluene-d8
 Concen: 50.023 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	98	Resp	302618
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 100.021 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 43 Resp: 240557

Ion Ratio Lower Upper

43 100

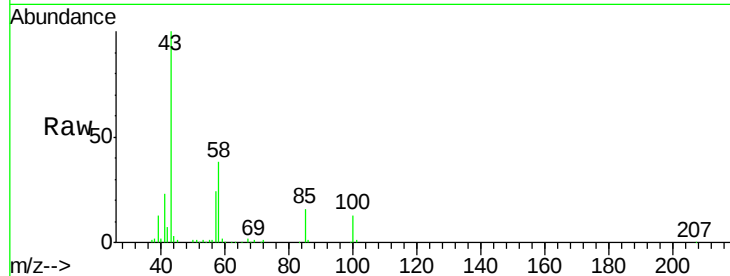
58 37.8 30.8 46.2

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Abundance Ion 43.00 (42.70 to 43.70): VN060913.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060913.D (-2456) (-)

9.97

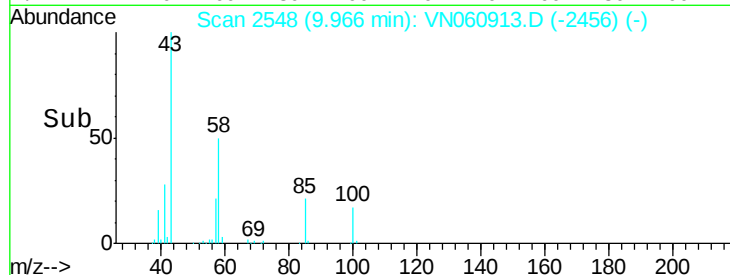
150000

100000

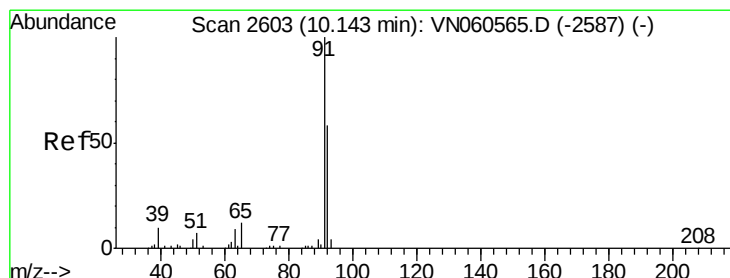
50000

0

Time-->



Time-->



#52

Toluene

Concen: 18.952 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060913.D

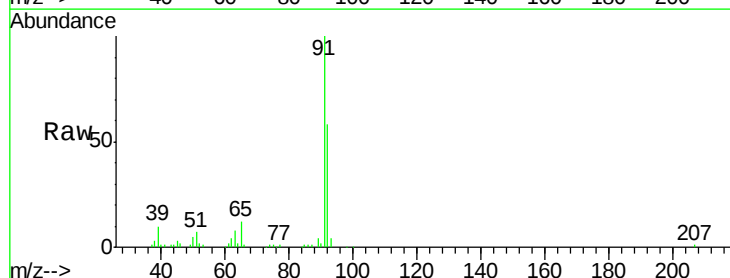
Acq: 13 Apr 2020 21:20

Tgt Ion: 92 Resp: 81950

Ion Ratio Lower Upper

92 100

91 172.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060913.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060913.D (-2510) (-)

10.14

80000

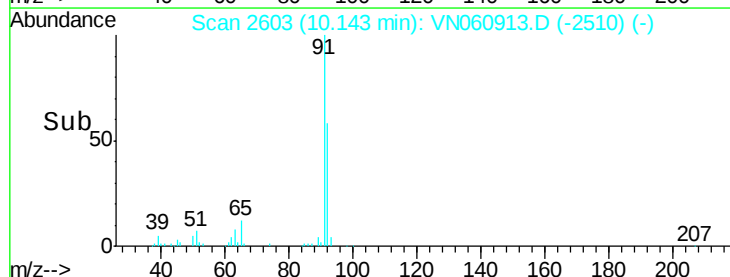
60000

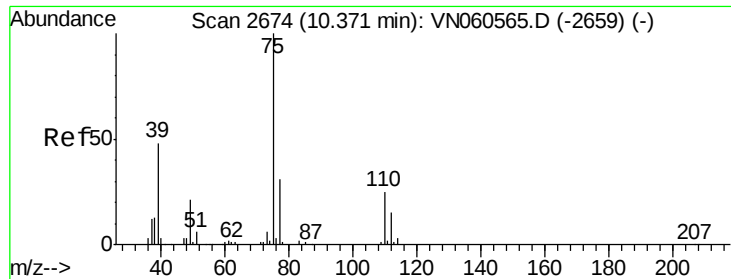
40000

20000

0

Time-->





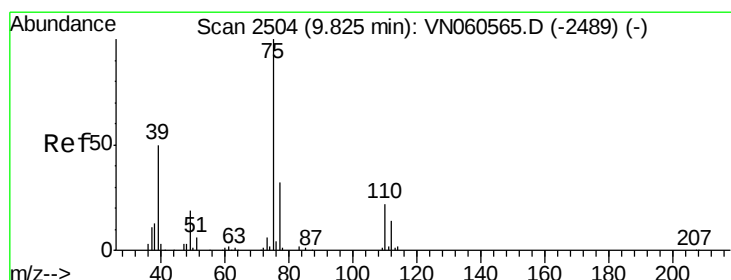
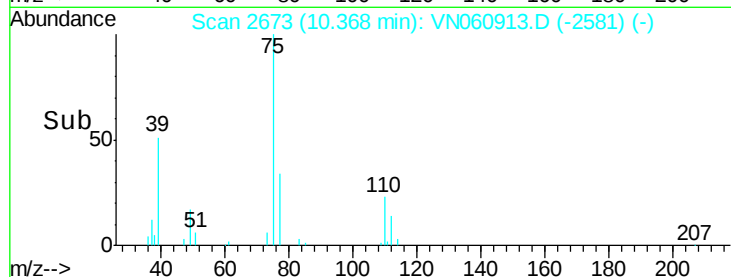
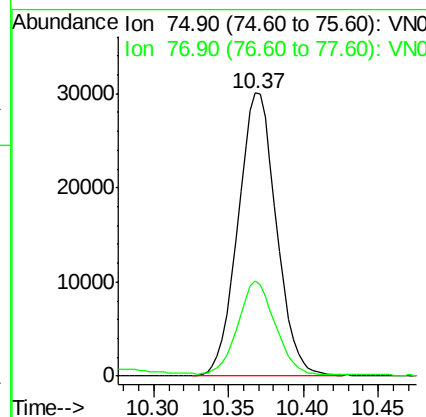
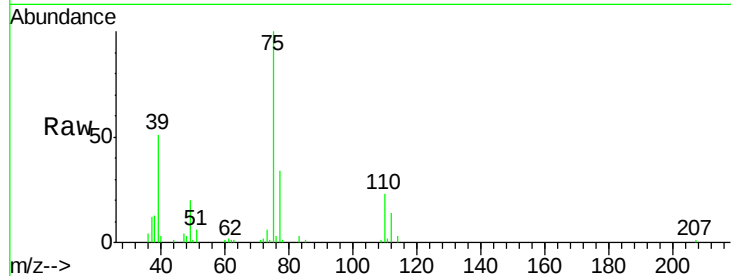
#53
t-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion: 75 Resp: 53711
Ion Ratio Lower Upper
75 100
77 32.8 25.1 37.7

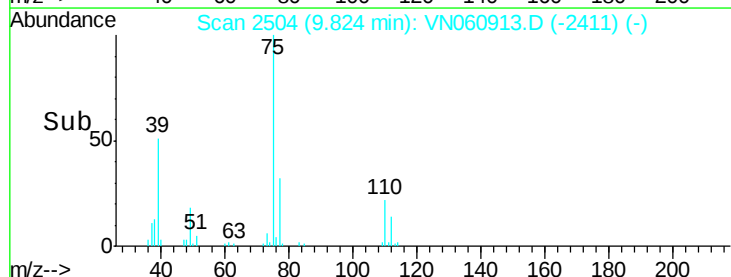
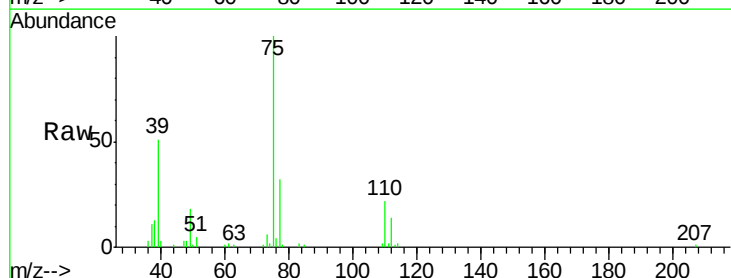
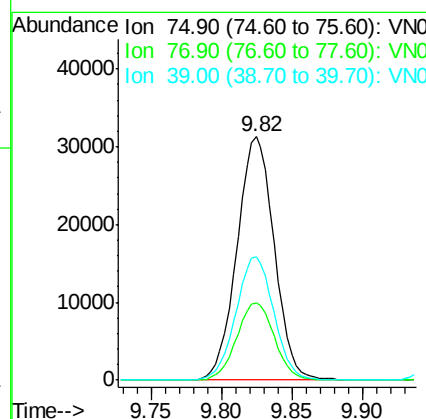
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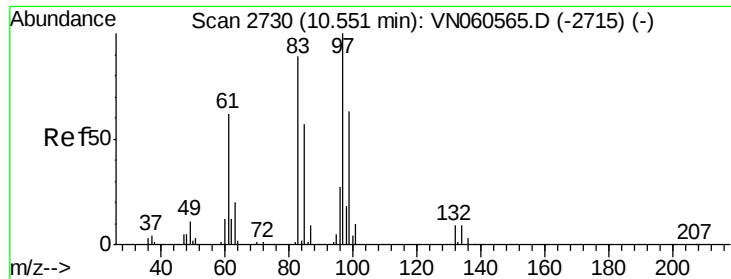
MMDadoda
4/14/2020 10:10:56 AM



#54
cis-1,3-Dichloropropene
Concen: 19.354 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 75 Resp: 57886
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 50.7 40.2 60.4





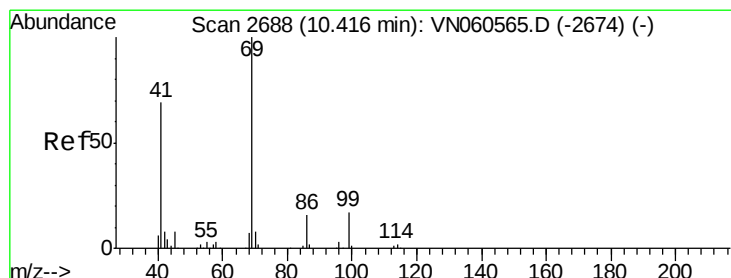
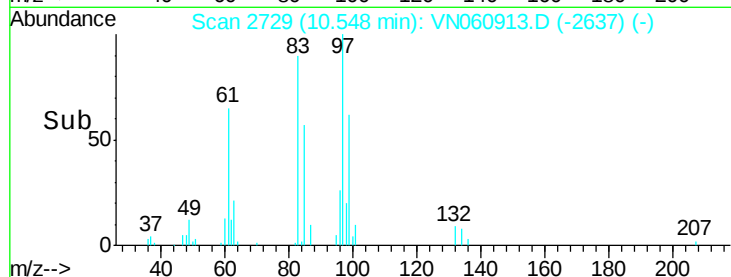
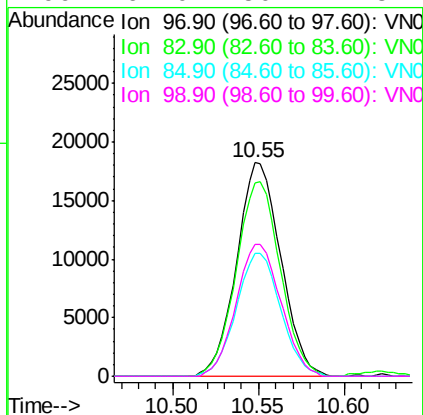
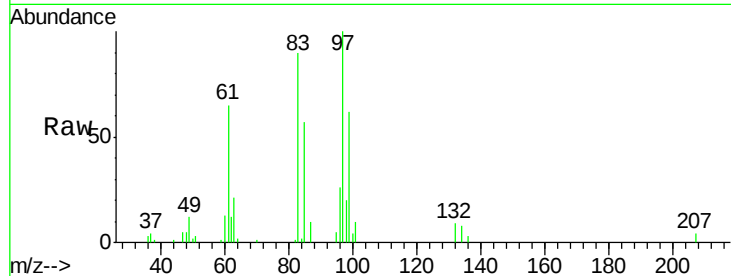
#55
 1,1,2-Trichloroethane
 Concen: 19.504 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion:	97	Resp:	32445
Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.3	106.9
85	57.3	45.2	67.8
99	62.0	50.1	75.1

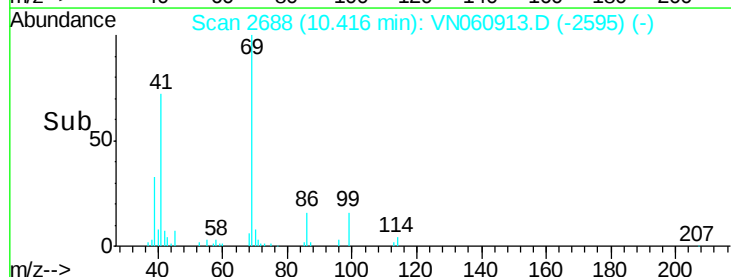
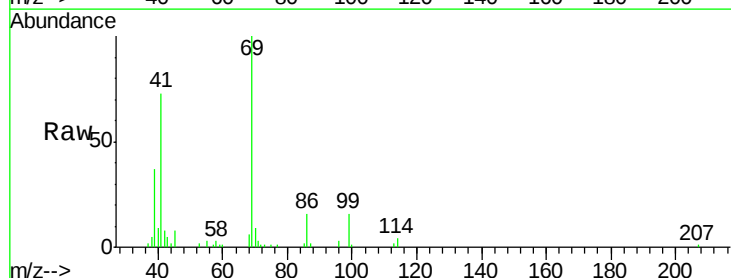
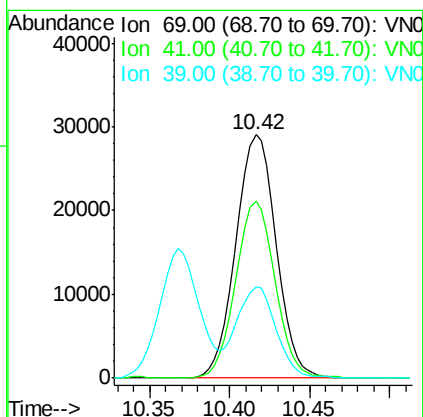
Manual Integrations
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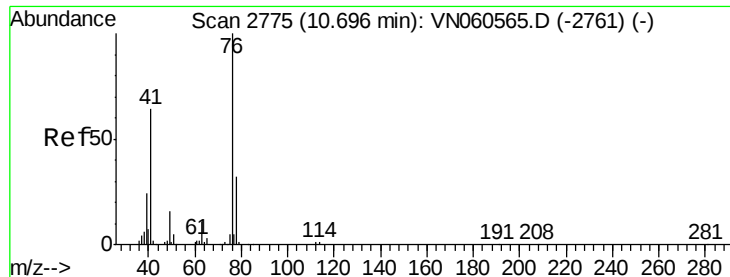
MMDadoda
 4/14/2020 10:10:56 AM



#56
 Ethyl methacrylate
 Concen: 19.260 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion:	69	Resp:	49957
Ion	Ratio	Lower	Upper
69	100		
41	71.2	55.4	83.2
39	37.1	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.828 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 76 Resp: 57238

Ion Ratio Lower Upper

76 100

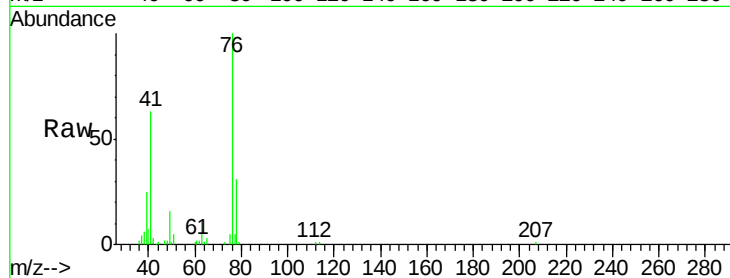
78 32.3 25.8 38.6

Manual Integrations

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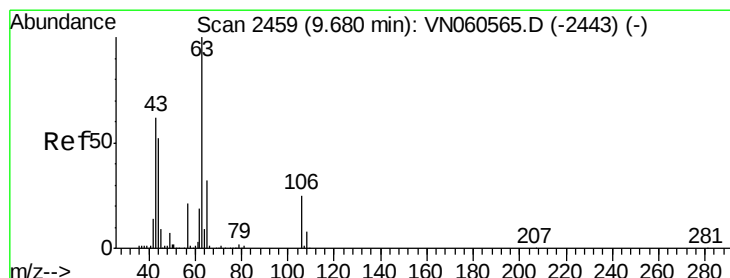
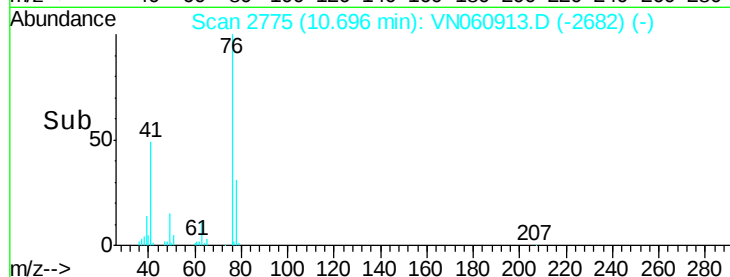
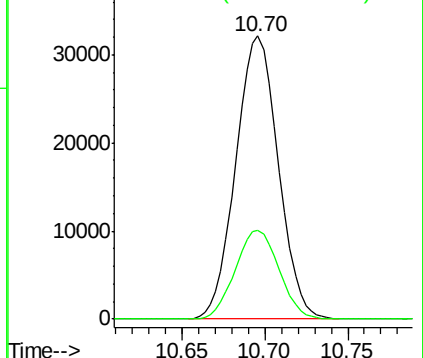
MMDadoda

4/14/2020 10:10:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 87.968 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060913.D

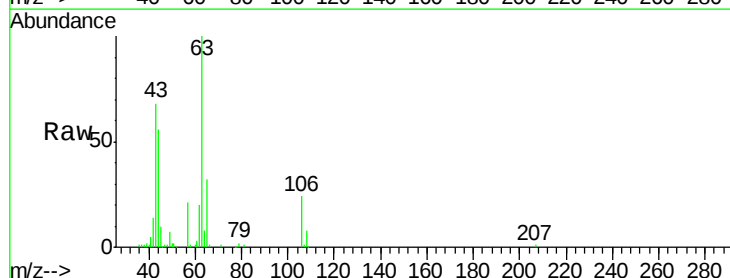
Acq: 13 Apr 2020 21:20

Tgt Ion: 63 Resp: 113405

Ion Ratio Lower Upper

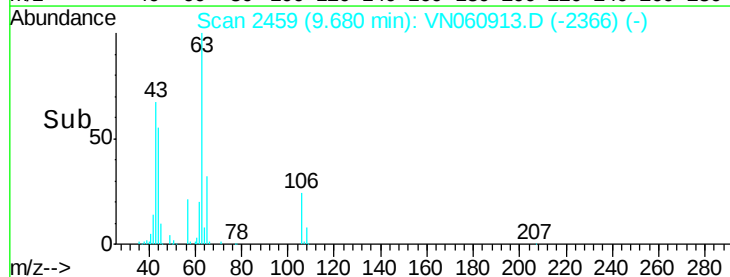
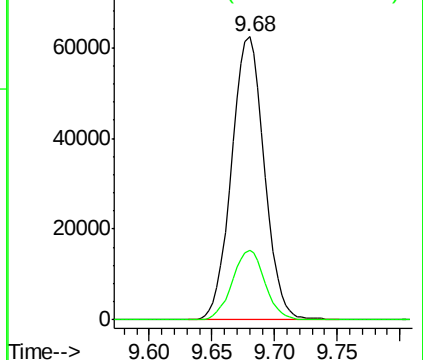
63 100

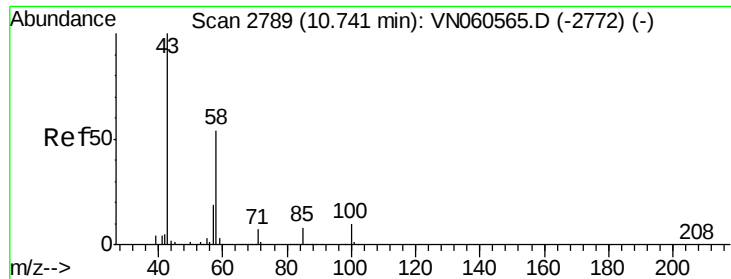
106 24.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





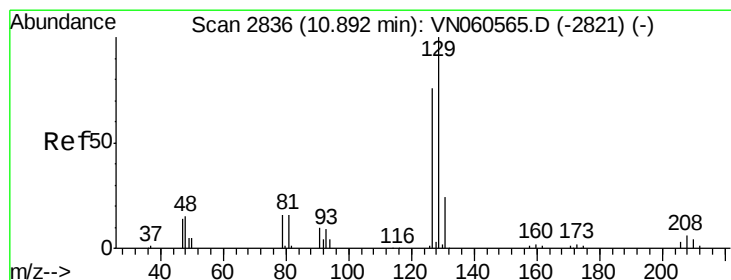
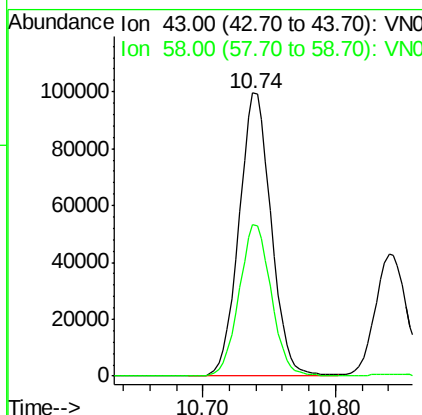
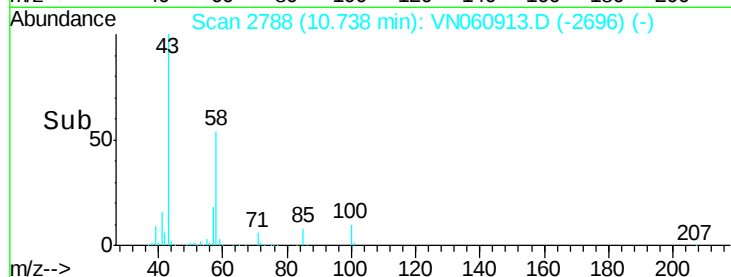
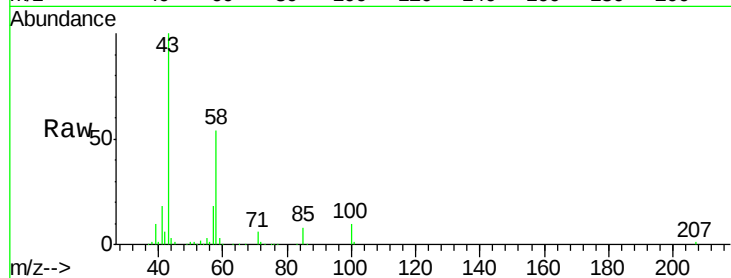
#59
2-Hexanone
Concen: 96.827 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion: 43 Resp: 167753
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1

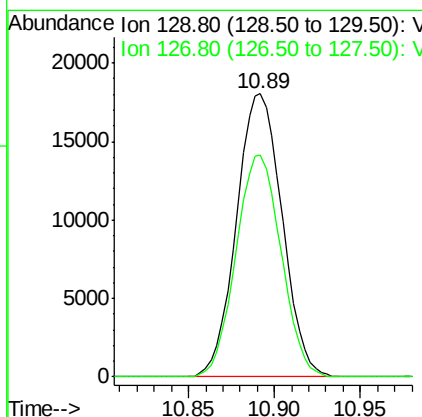
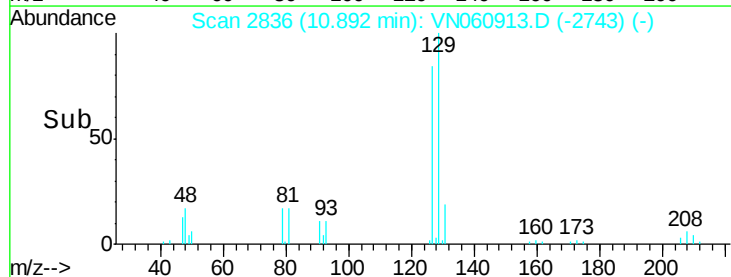
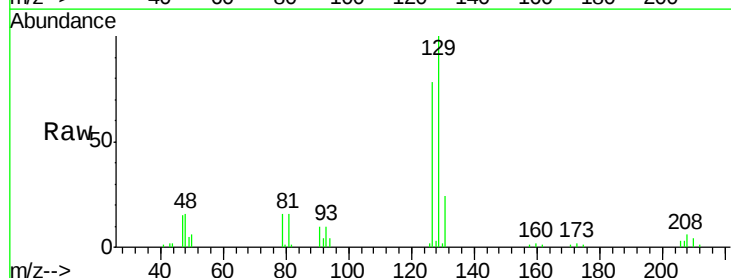
Manual Integrations
APPROVED

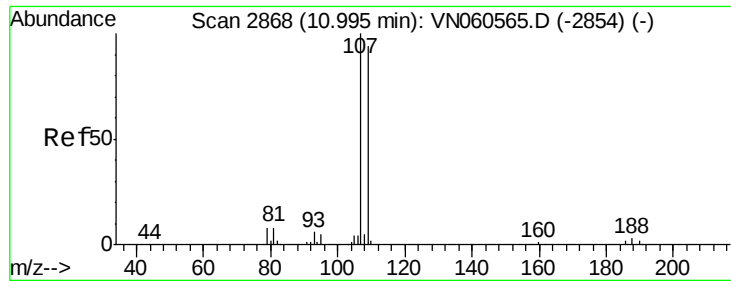
MMDadoda
4/14/2020 10:10:56 AM



#60
Dibromochloromethane
Concen: 19.394 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion: 129 Resp: 33325
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





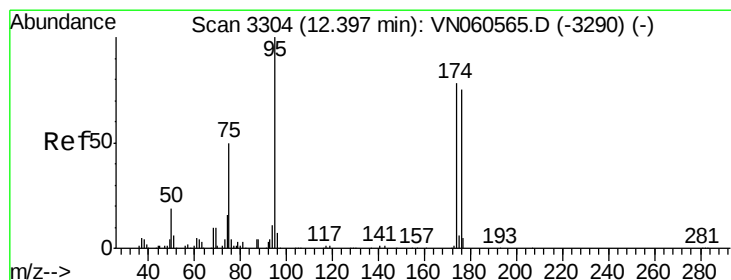
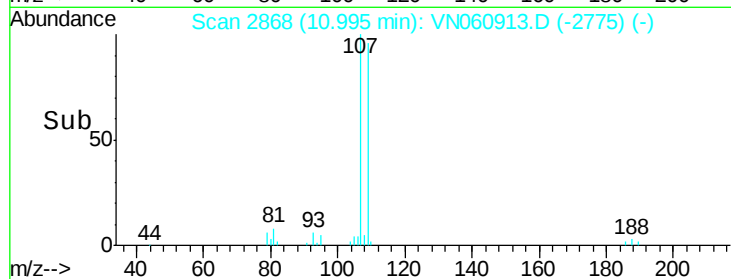
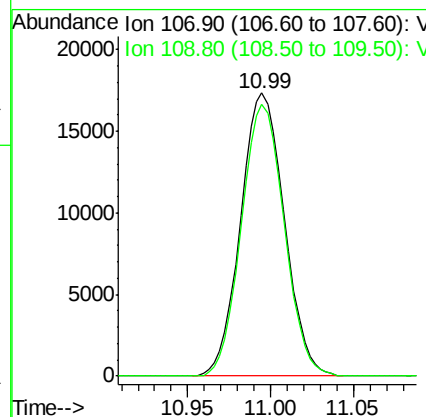
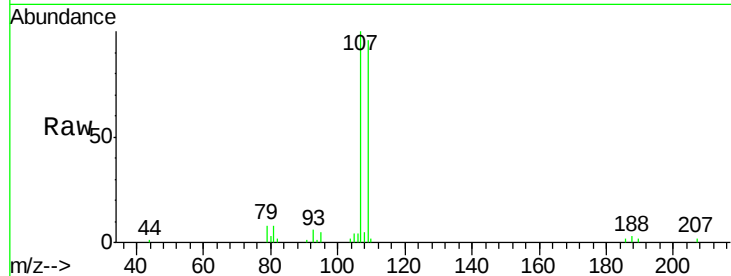
#61
 1,2-Dibromoethane
 Concen: 19.007 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

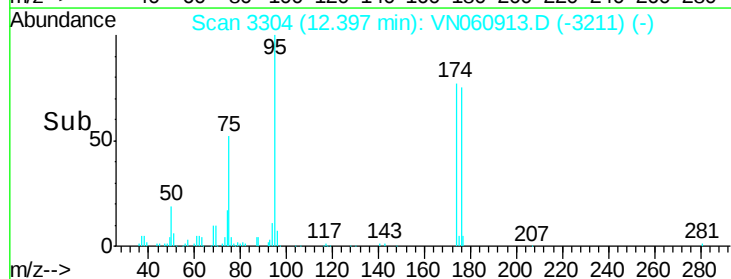
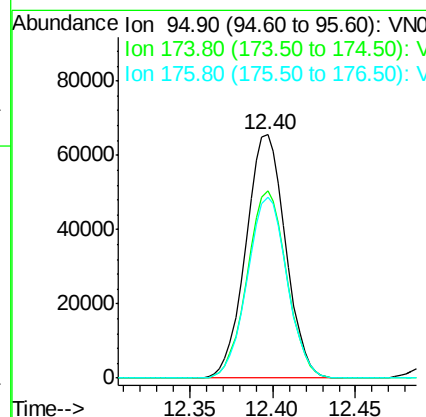
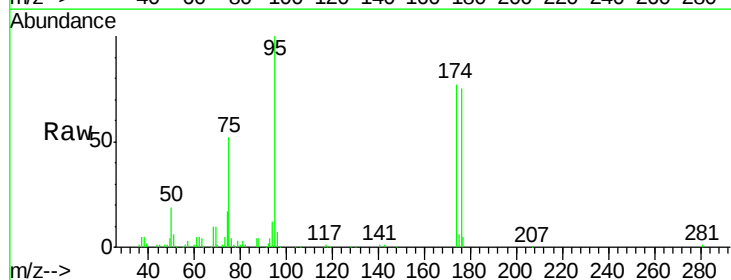
Manual Integrations
 APPROVED

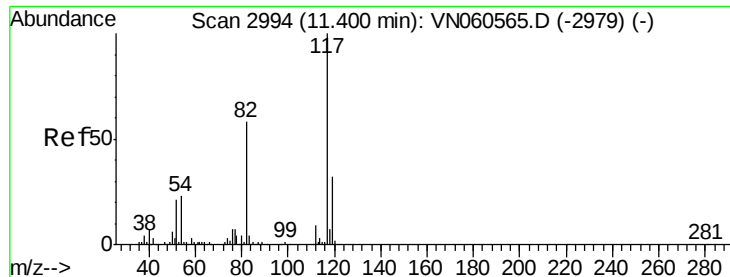
MMDadoda
 4/14/2020 10:10:56 AM



#62
 4-Bromofluorobenzene
 Concen: 49.151 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	157.6
176	74.6	0.0	150.6





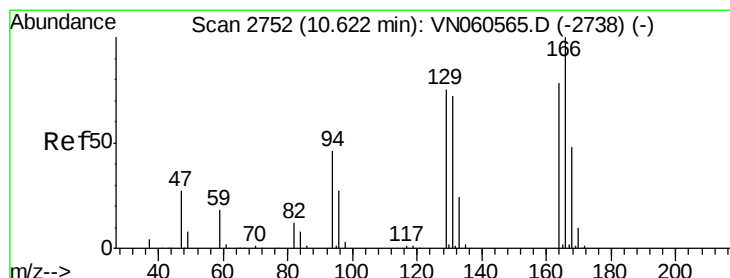
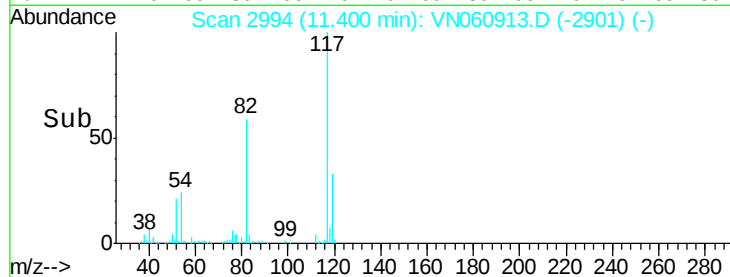
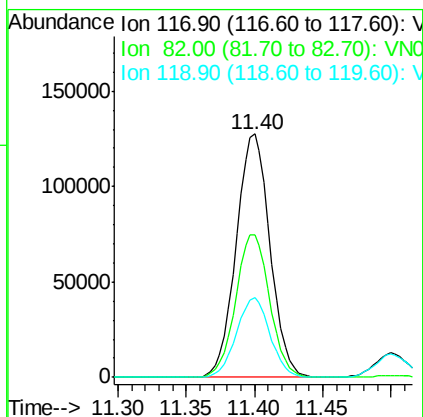
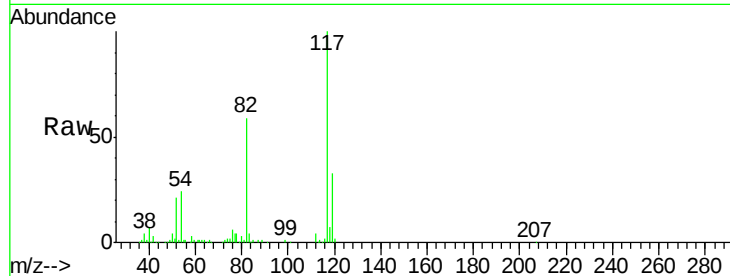
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.7	70.1
119	32.6	25.5	38.3

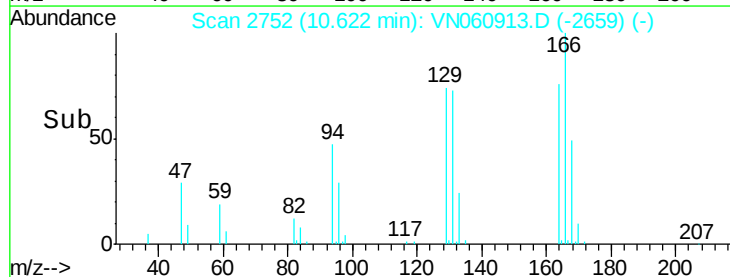
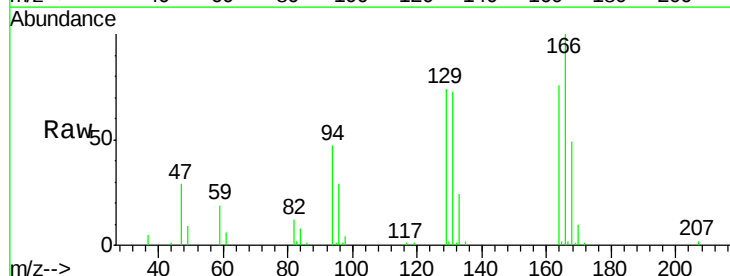
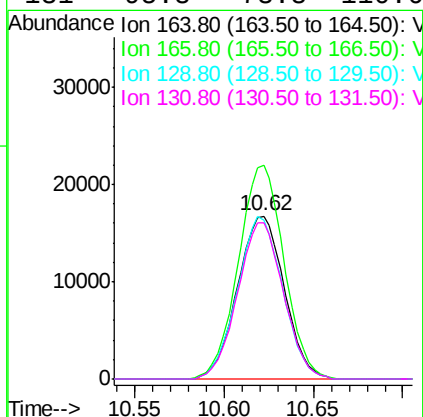
Manual Integrations
APPROVED

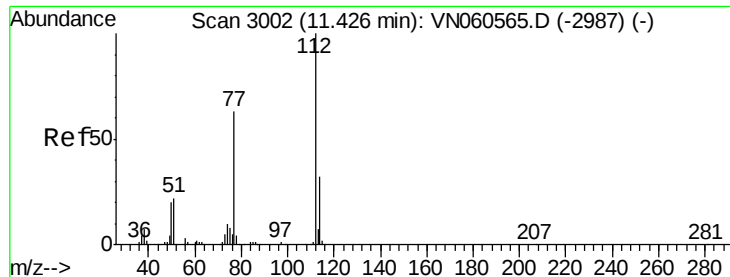
MMDadoda
4/14/2020 10:10:56 AM



#64
Tetrachloroethene
Concen: 17.820 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	102.7	154.1
129	97.7	77.2	115.8
131	95.8	73.8	110.6





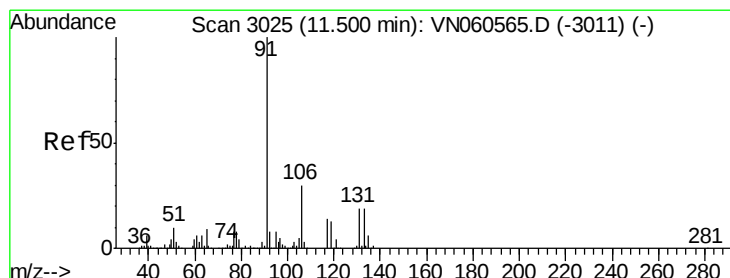
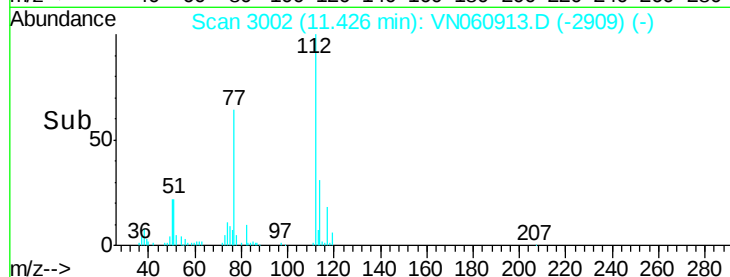
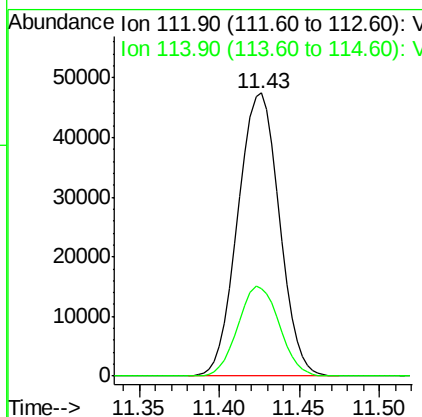
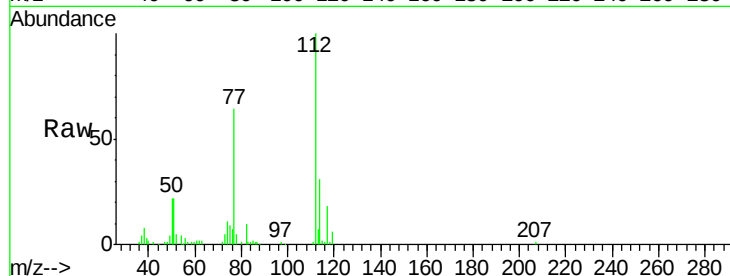
#65
Chlorobenzene
Concen: 19.360 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.8	38.6

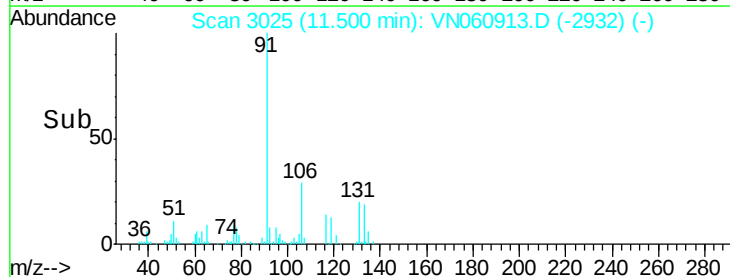
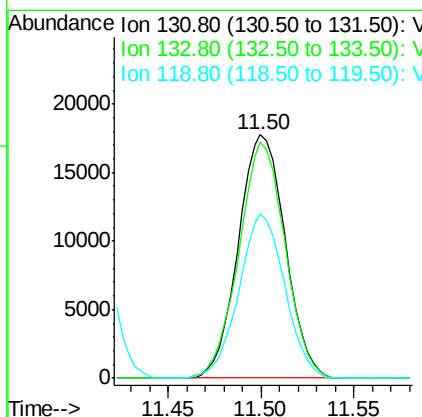
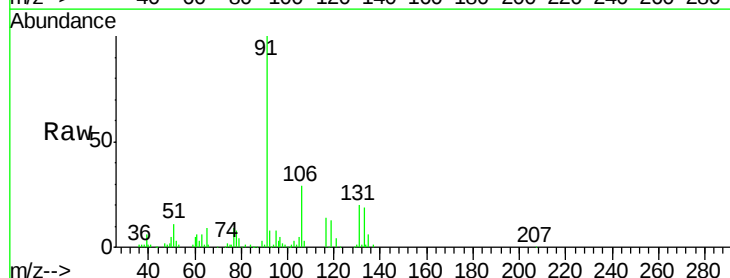
Manual Integrations
APPROVED

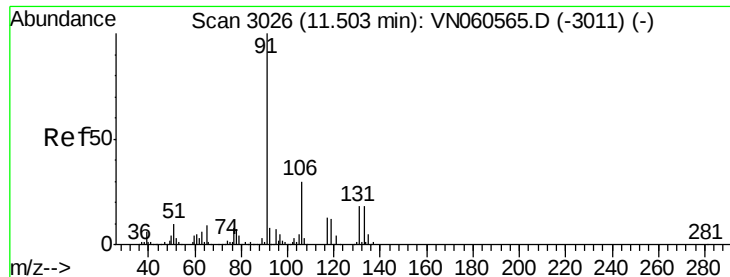
MMDadoda
4/14/2020 10:10:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.867 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.9	146.8
119	65.9	33.9	101.7





#67

Ethyl Benzene

Concen: 19.553 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 91 Resp: 157866

Ion Ratio Lower Upper

91 100

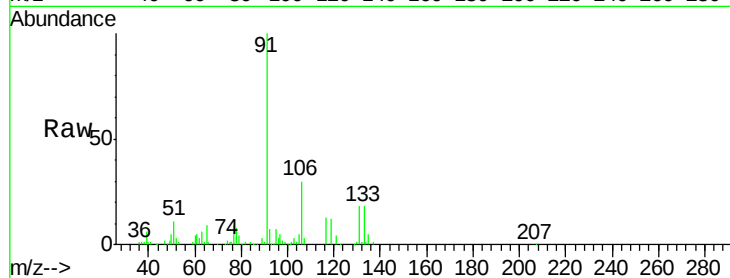
106 29.6 24.2 36.2

Manual Integrations

APPROVED

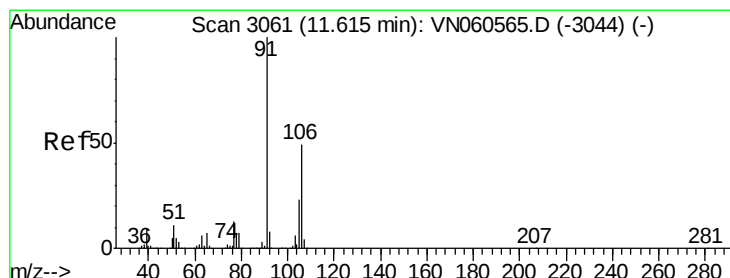
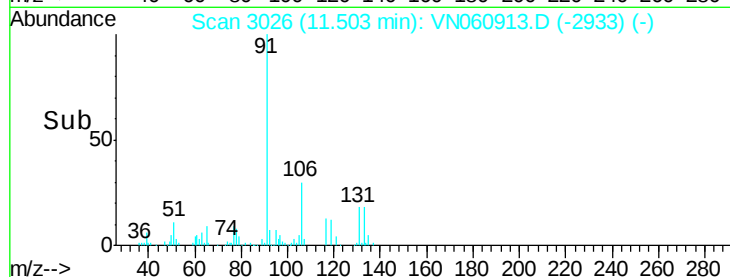
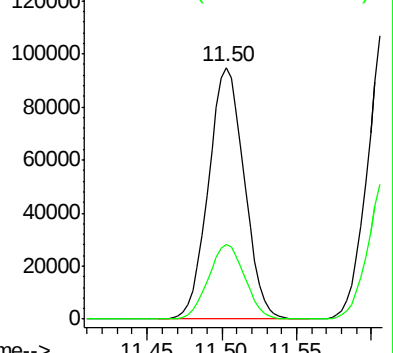
MMDadoda

4/14/2020 10:10:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060913.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060913.D (-2933) (-)



#68

m/p-Xylenes

Concen: 38.132 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060913.D

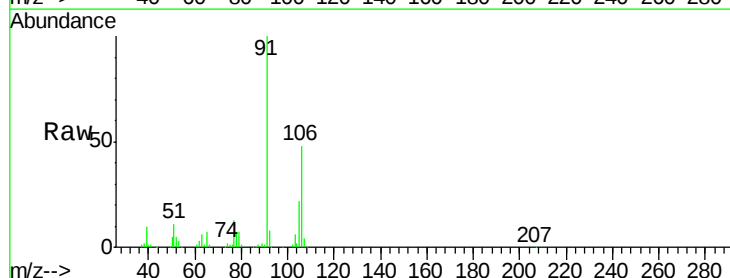
Acq: 13 Apr 2020 21:20

Tgt Ion: 106 Resp: 114405

Ion Ratio Lower Upper

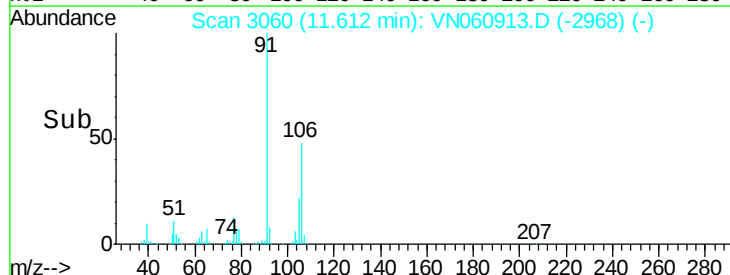
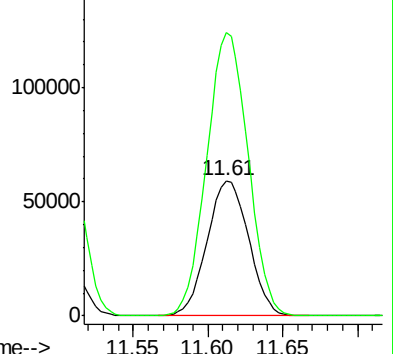
106 100

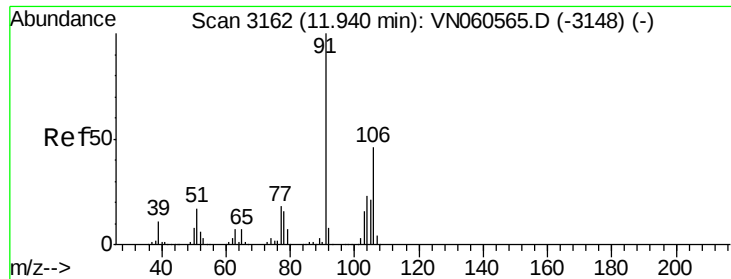
91 208.7 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060913.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060913.D (-2968) (-)





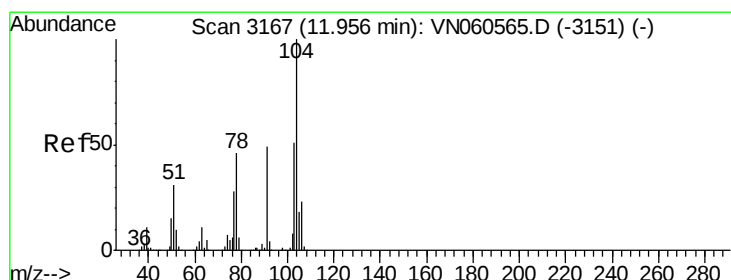
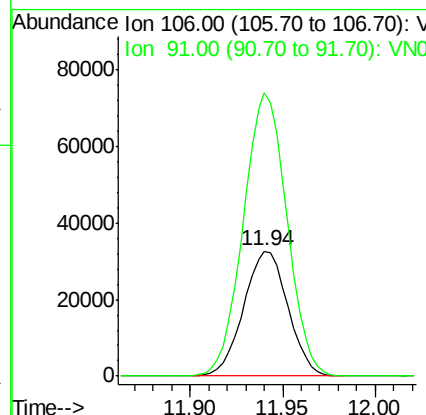
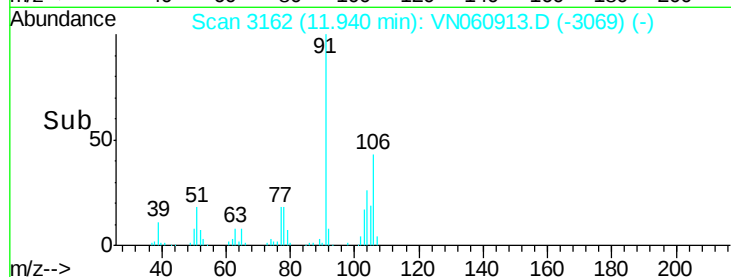
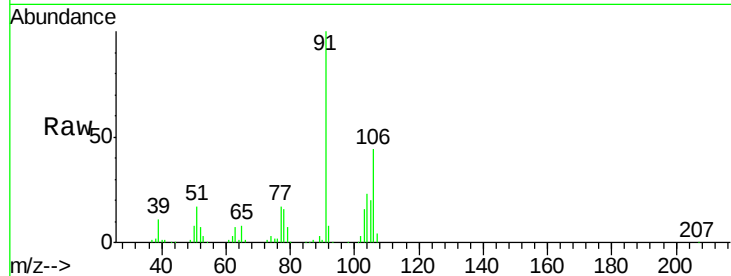
#69
o-Xylene
Concen: 18.931 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion:106 Resp: 54221
Ion Ratio Lower Upper
106 100
91 223.4 109.5 328.4

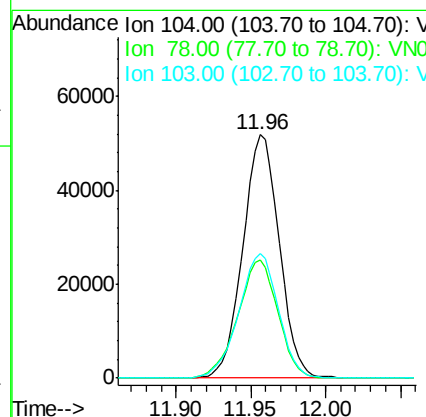
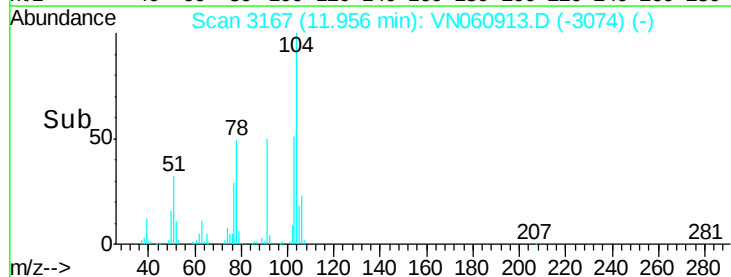
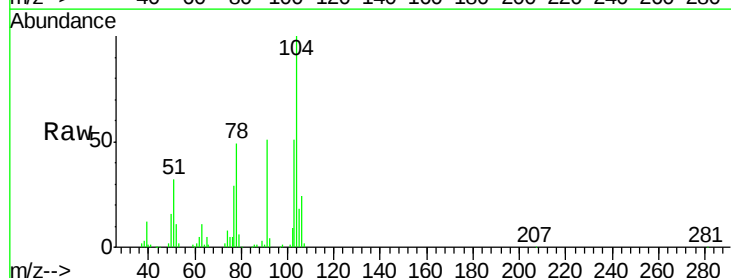
Manual Integrations
APPROVED

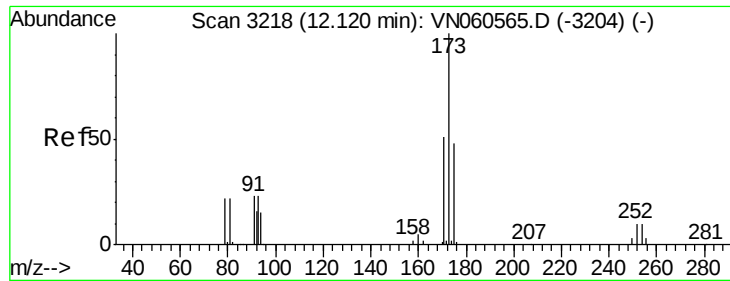
MMDadoda
4/14/2020 10:10:56 AM



#70
Styrene
Concen: 18.776 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion:104 Resp: 87953
Ion Ratio Lower Upper
104 100
78 53.2 41.2 61.8
103 55.6 44.0 66.0





#71

Bromoform

Concen: 18.492 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion:173 Resp: 22728

Ion Ratio Lower Upper

173 100

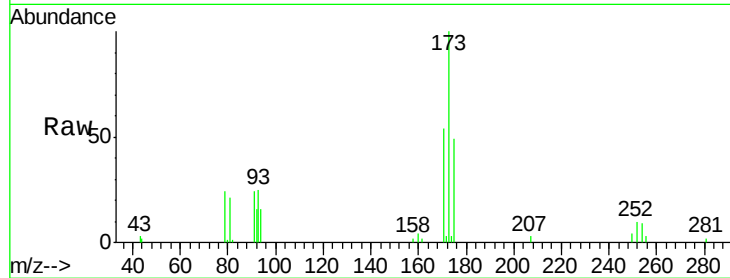
175 47.9 24.1 72.4

254 0.0 0.0 0.0

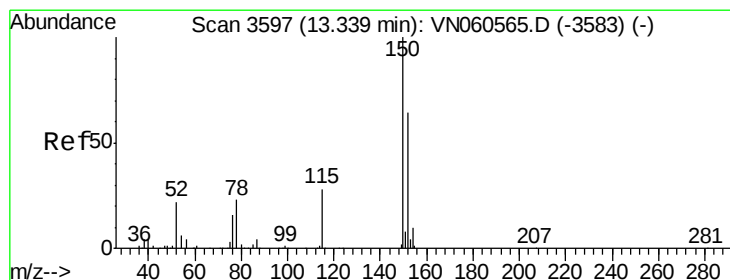
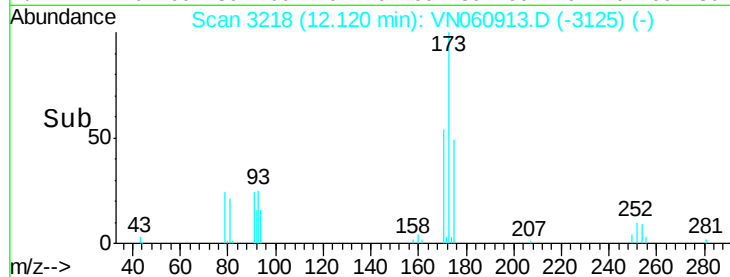
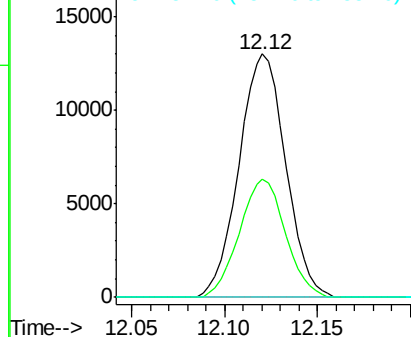
Manual Integrations
APPROVED

MMDadoda

4/14/2020 10:10:56 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

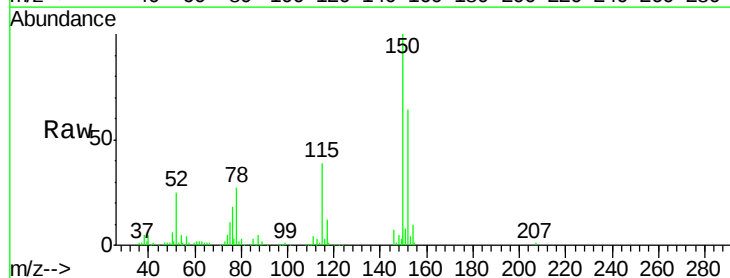
Tgt Ion:152 Resp: 101665

Ion Ratio Lower Upper

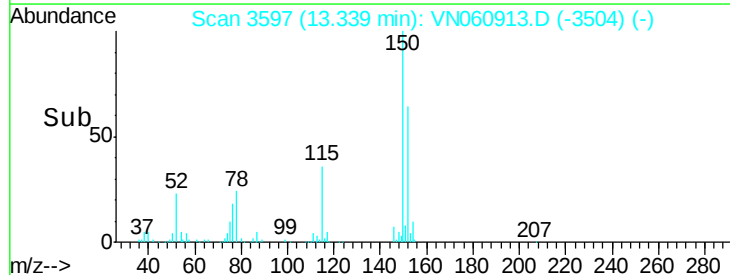
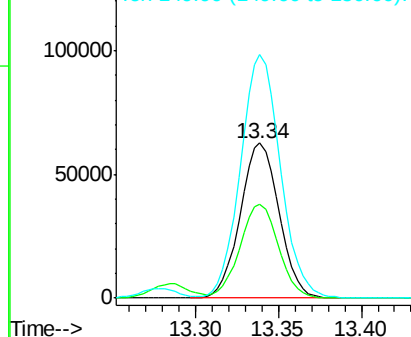
152 100

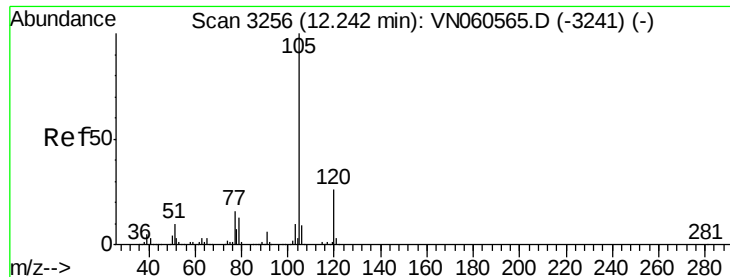
115 60.4 30.2 90.6

150 162.2 0.0 350.2



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





#73

Isopropylbenzene

Concen: 19.547 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 105 Resp: 149137

Ion Ratio Lower Upper

105 100

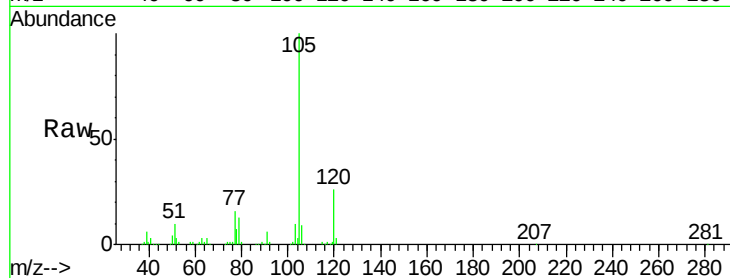
120 26.0 13.1 39.1

Manual Integrations

APPROVED

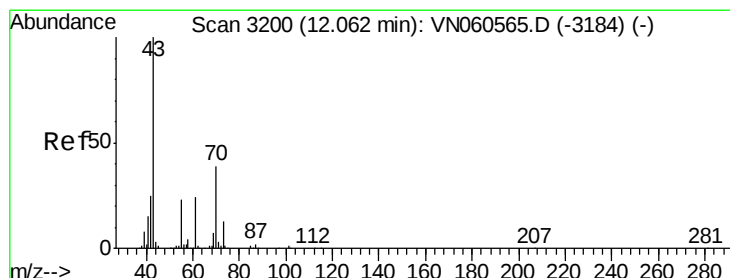
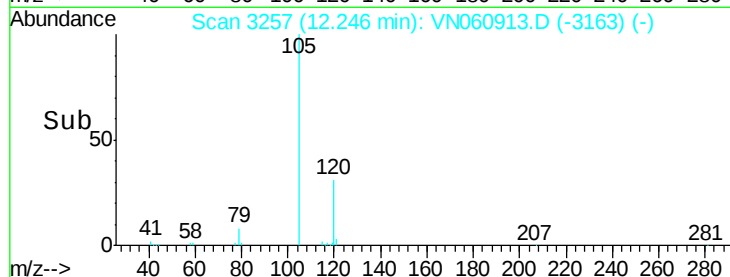
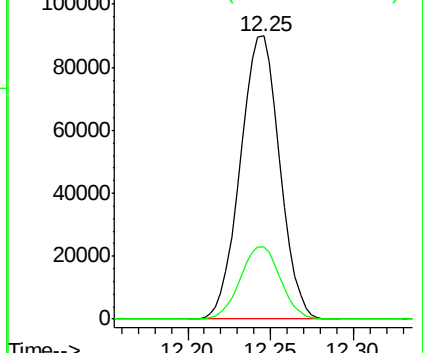
MMDadoda

4/14/2020 10:10:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.702 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion: 43 Resp: 69459

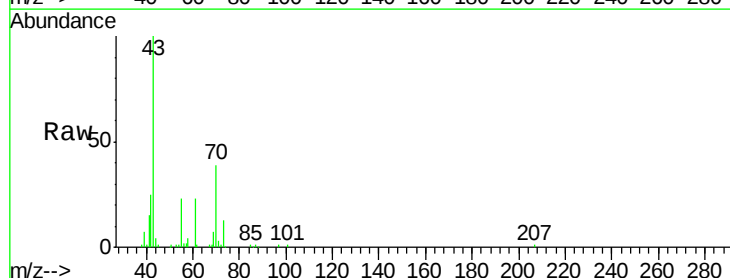
Ion Ratio Lower Upper

43 100

70 38.1 31.1 46.7

55 23.0 18.6 27.8

61 22.5 18.9 28.3

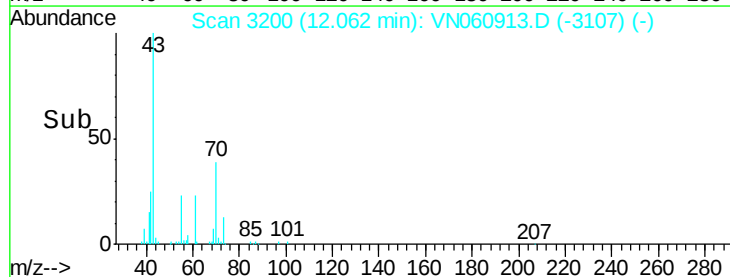
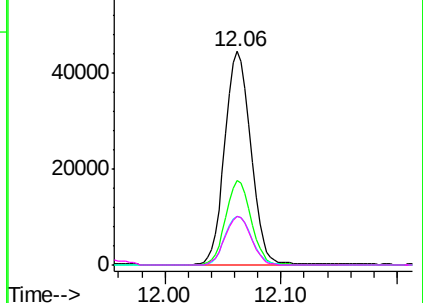


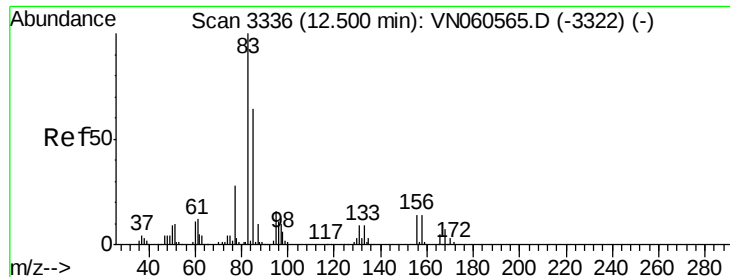
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.180 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

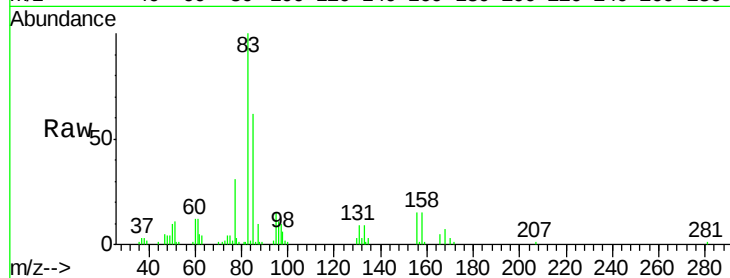
ClientSampleId :

VN0413WBSD01

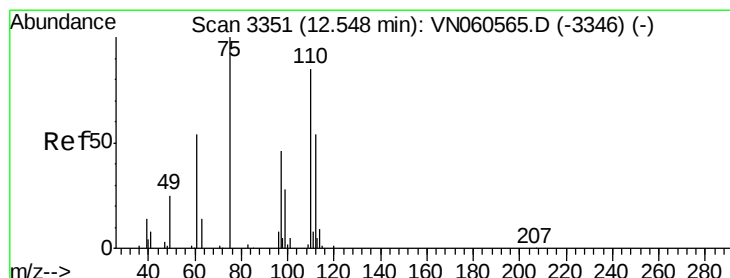
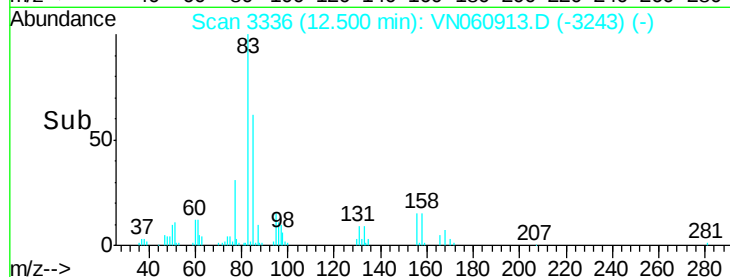
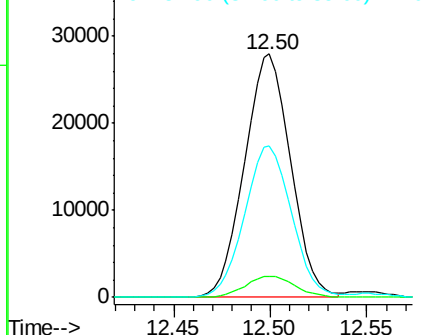
Tot Ion:	83	Resp:	46560
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	63.4	32.5	97.4

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Abundance Ion 82.90 (82.60 to 83.60): VN060913.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 19.076 ug/l m

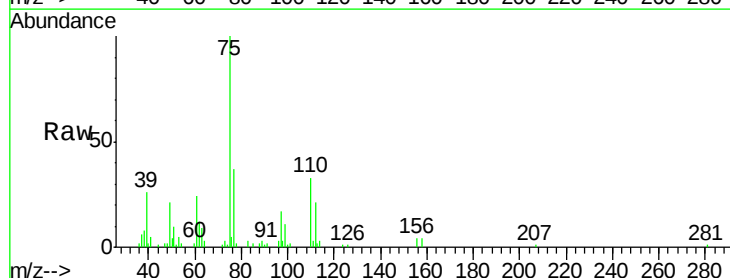
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

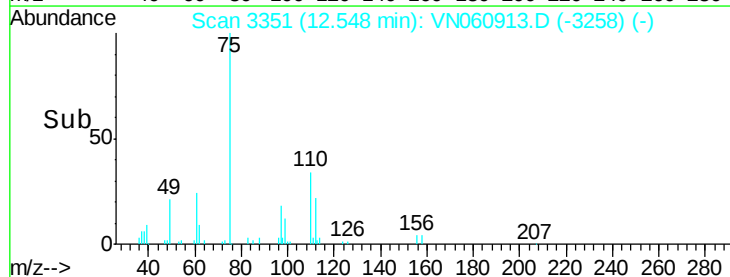
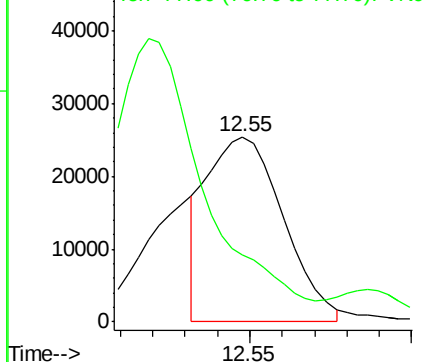
Lab File: VN060913.D

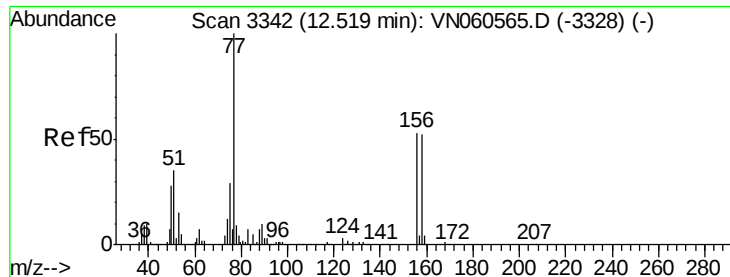
Acq: 13 Apr 2020 21:20

Tgt Ion:	75	Resp:	41848
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060913.D (-3258) (-)





#77

Bromobenzene

Concen: 19.144 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

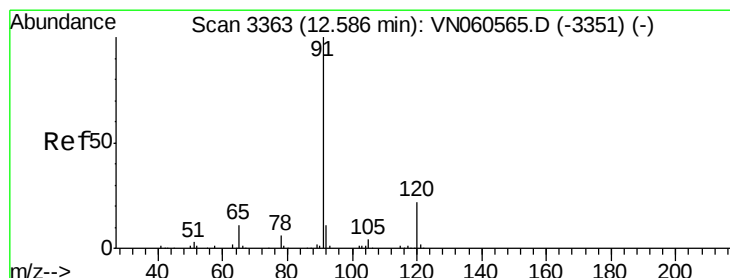
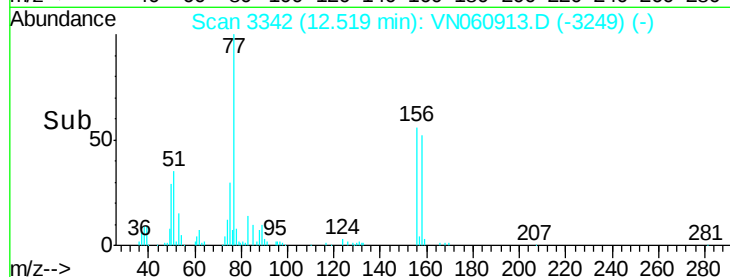
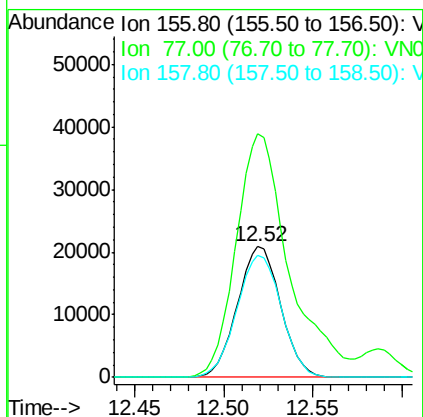
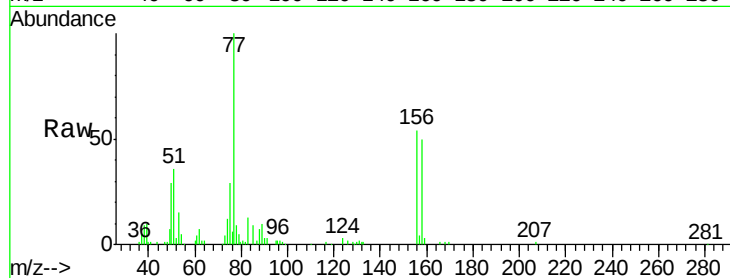
ClientSampleId :

VN0413WBSD01

Tot Ion:	156	Resp:	35195
Ion	Ratio	Lower	Upper
156	100		
77	228.5	112.3	337.0
158	96.3	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.494 ug/l

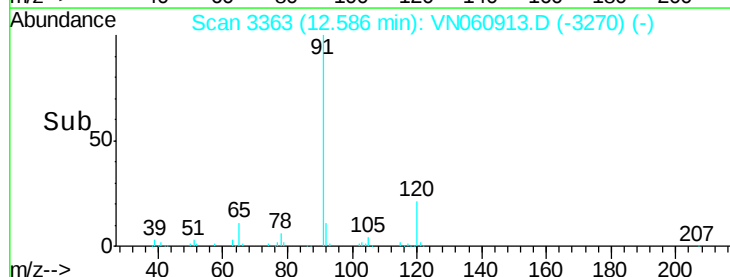
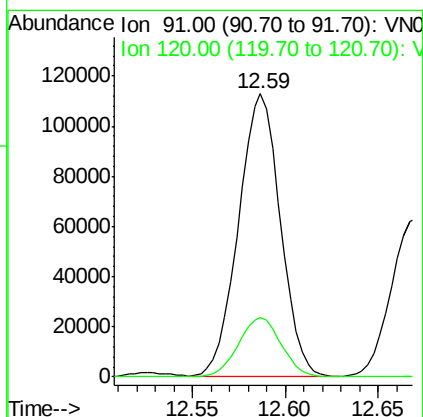
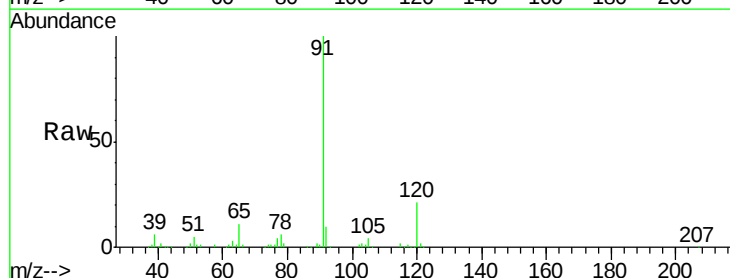
RT: 12.59 min Scan# 3363

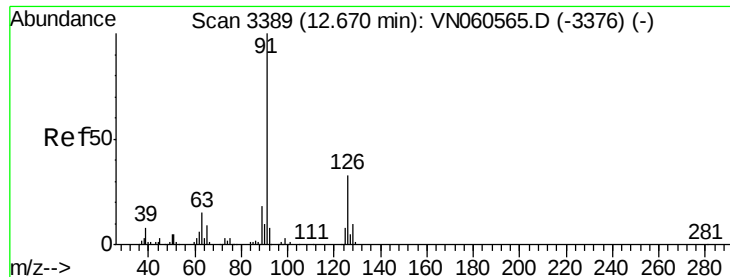
Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion:	91	Resp:	175712
Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.235 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion: 91 Resp: 103594

Ion Ratio Lower Upper

91 100

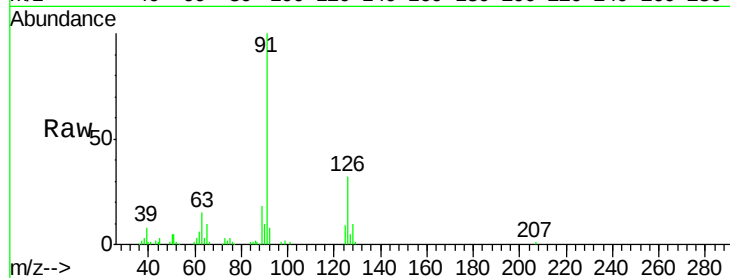
126 31.7 16.4 49.1

Manual Integrations

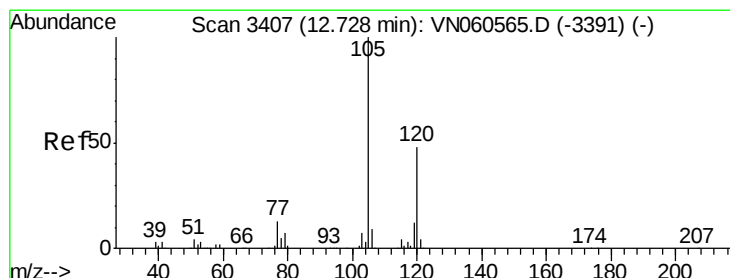
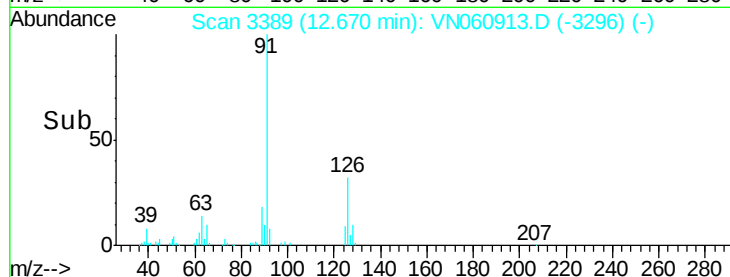
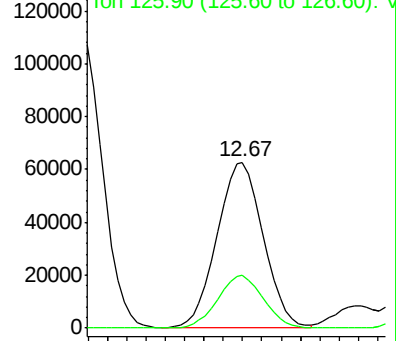
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Abundance Ion 91.00 (90.70 to 91.70): VN060913.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.343 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060913.D

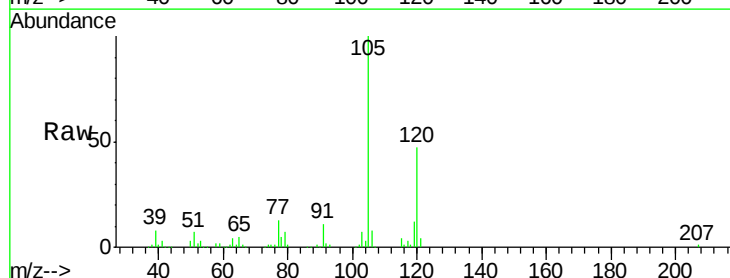
Acq: 13 Apr 2020 21:20

Tgt Ion: 105 Resp: 125239

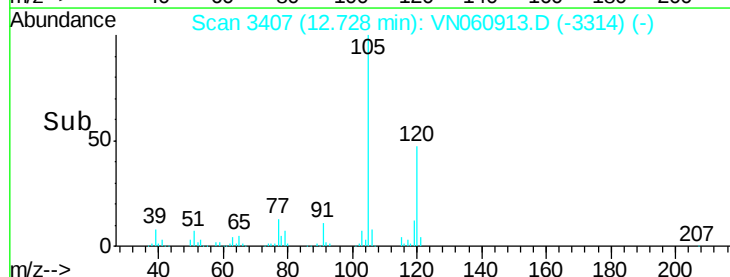
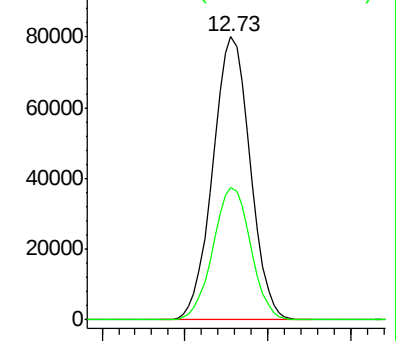
Ion Ratio Lower Upper

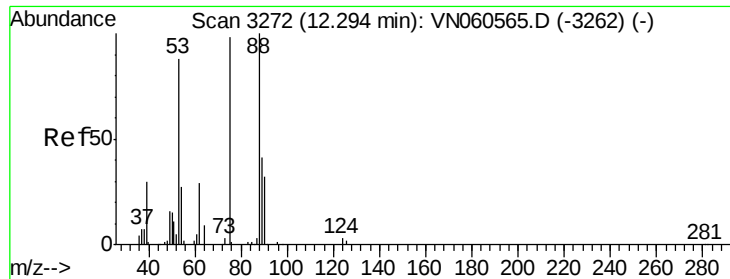
105 100

120 47.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060913.D (-3314) (-)





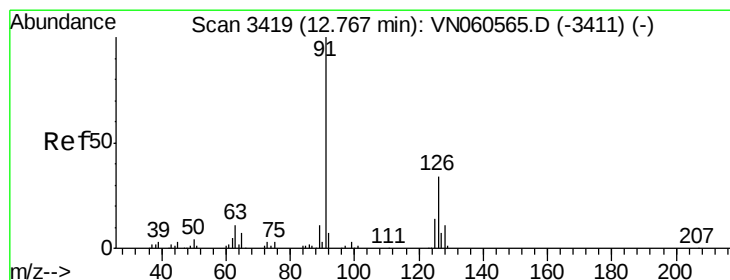
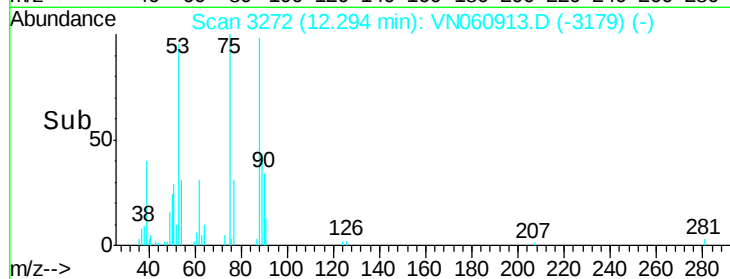
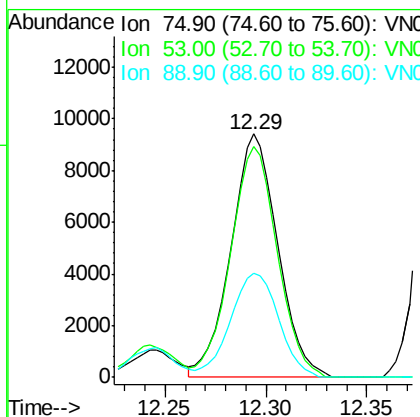
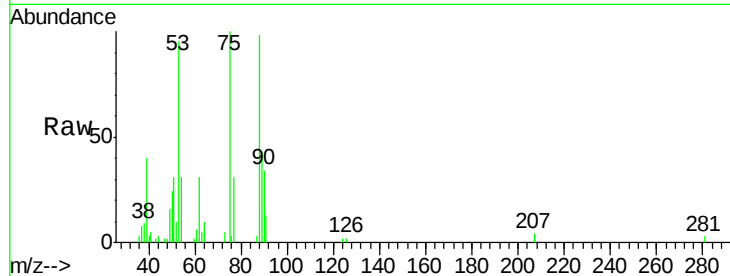
#81
trans-1,4-Dichloro-2-butene
Concen: 17.923 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	73.0	109.4
89	44.0	34.8	52.2

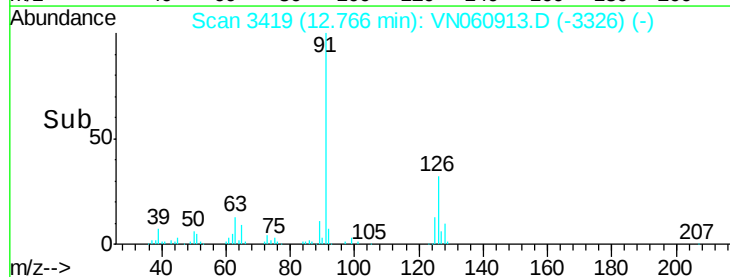
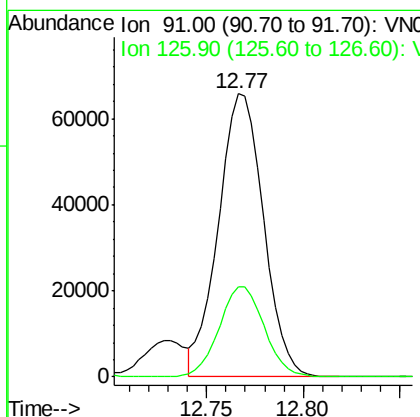
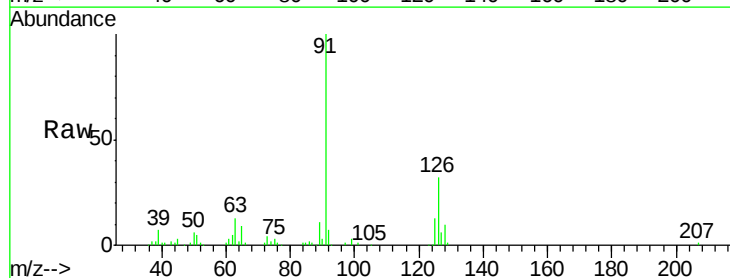
Manual Integrations
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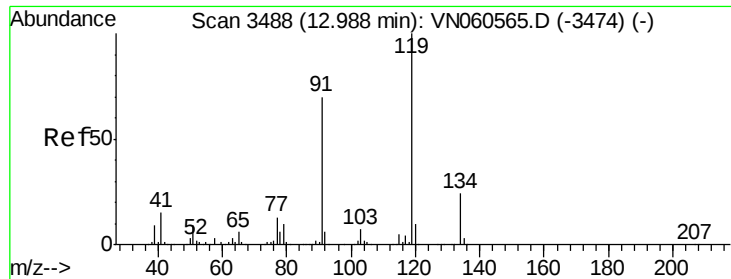
MMDadoda
4/14/2020 10:10:56 AM



#82
4-Chlorotoluene
Concen: 19.464 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.2	48.5





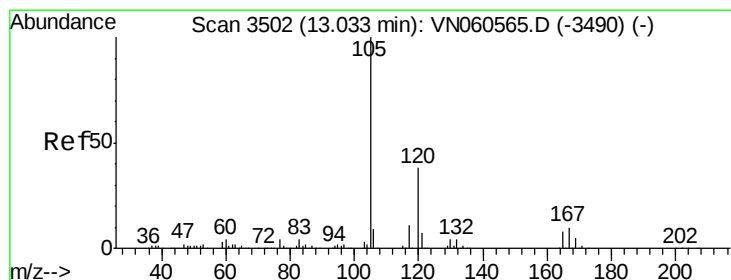
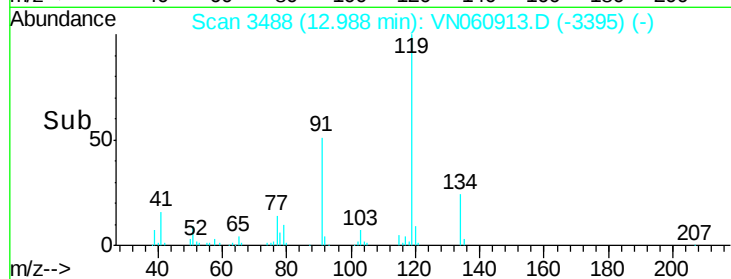
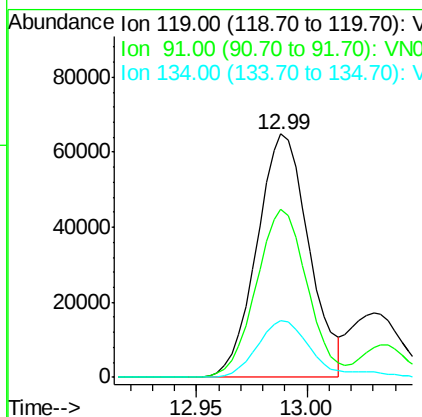
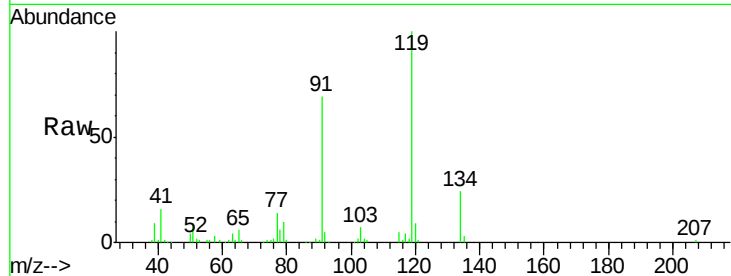
#83
 tert-Butylbenzene
 Concen: 19.717 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	24.9	12.7	38.0

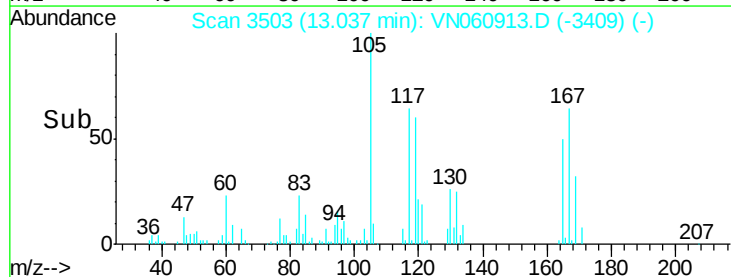
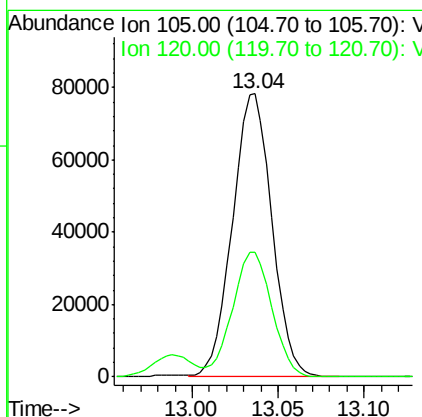
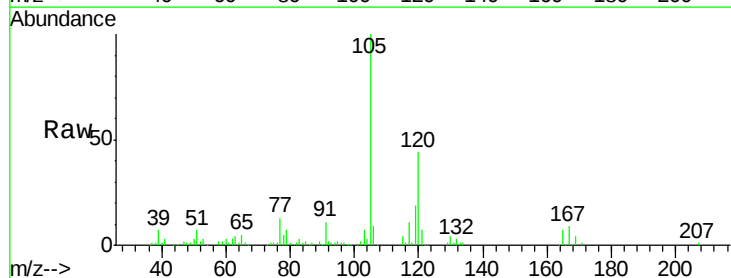
Manual Integrations
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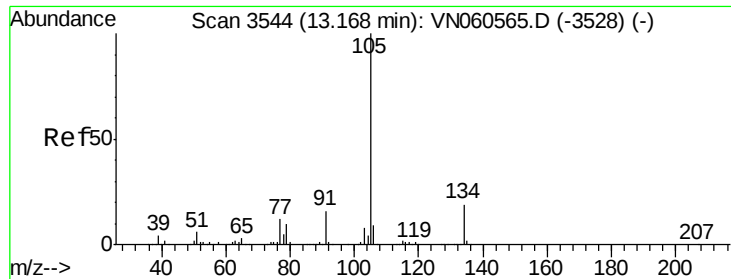
MMDadoda
 4/14/2020 10:10:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.428 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 20.072 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBSD01

Tot Ion:105 Resp: 144870

Ion Ratio Lower Upper

105 100

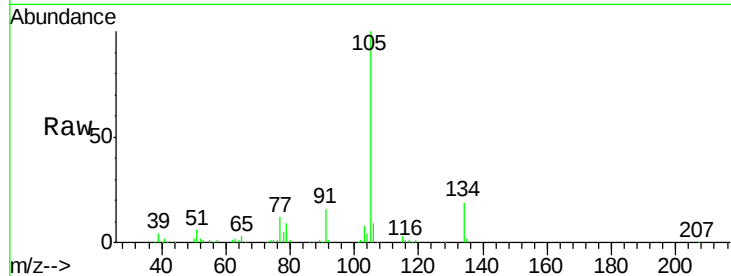
134 19.2 9.6 28.8

Manual Integrations

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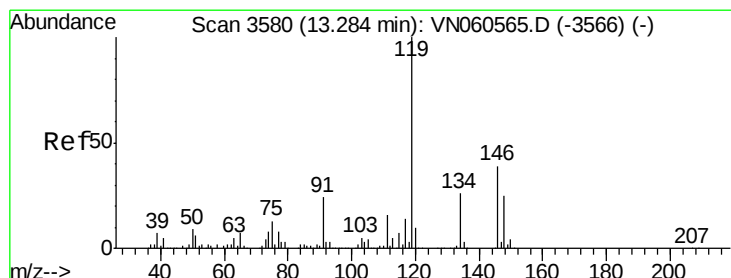
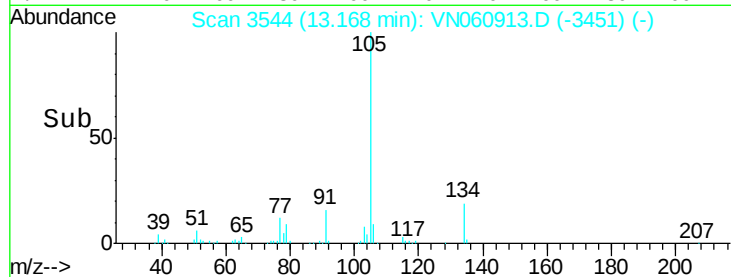
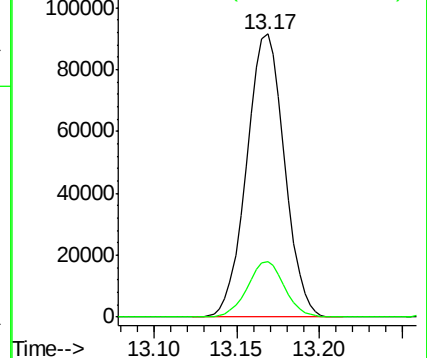
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.605 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

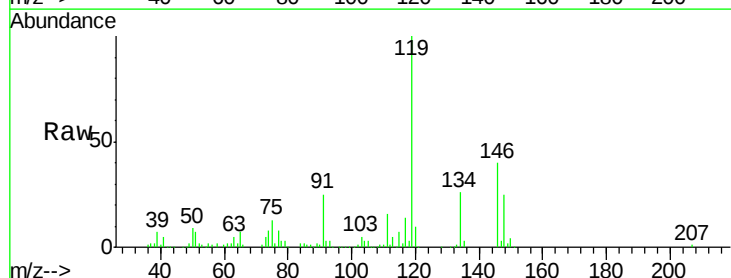
Tgt Ion:119 Resp: 127239

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

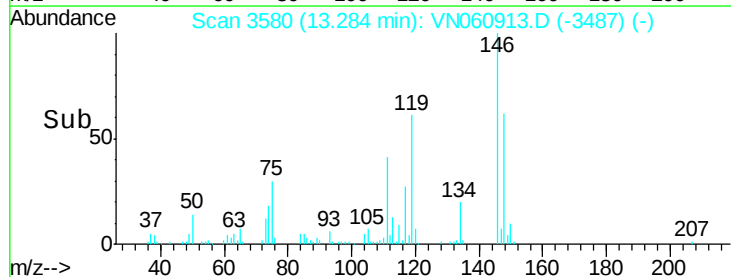
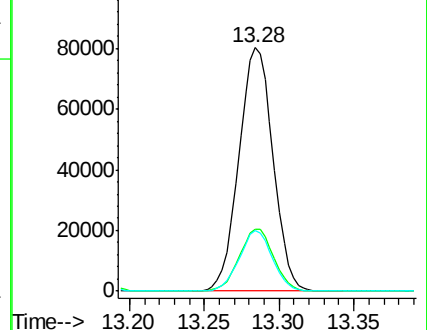
91 24.2 12.0 36.0

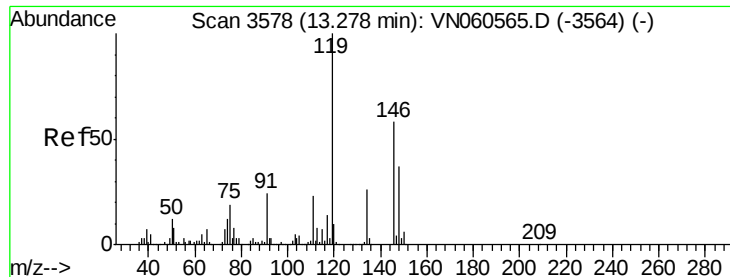


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





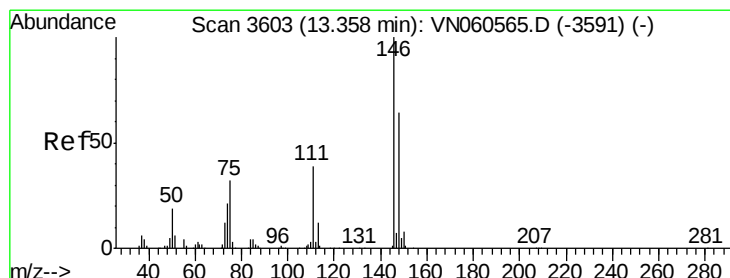
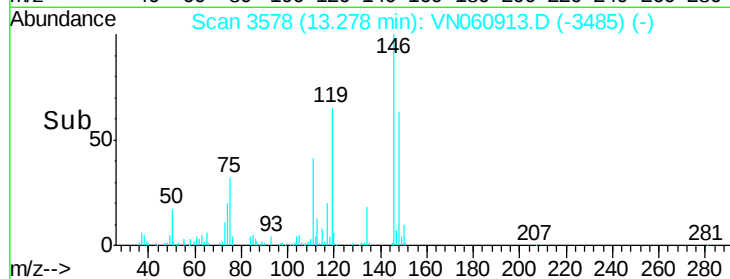
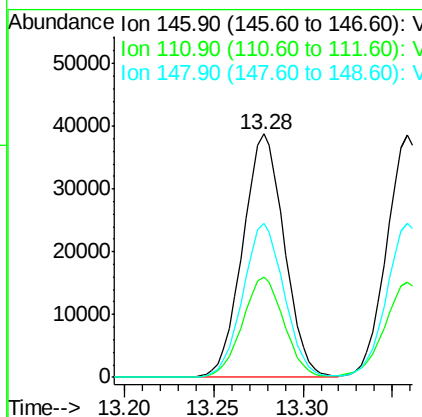
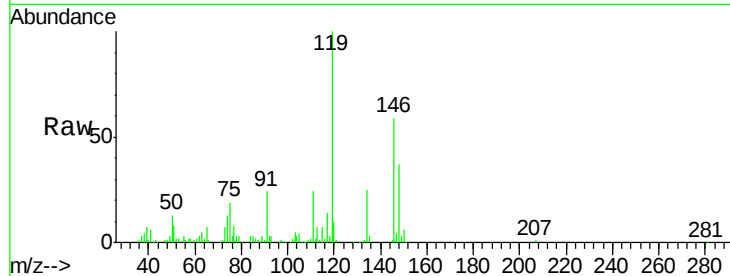
#87
 1,3-Dichlorobenzene
 Concen: 19.484 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	63.0	32.5	97.4

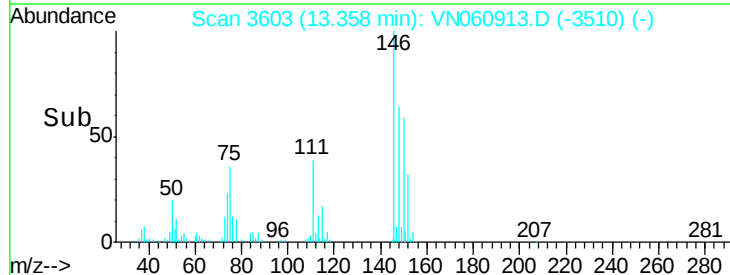
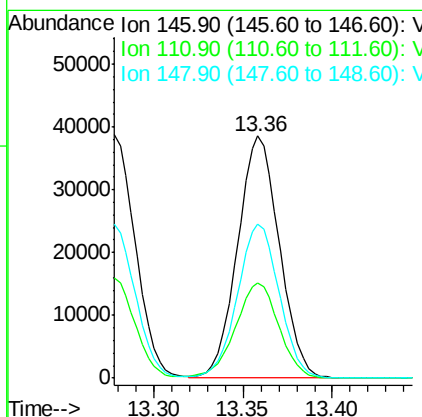
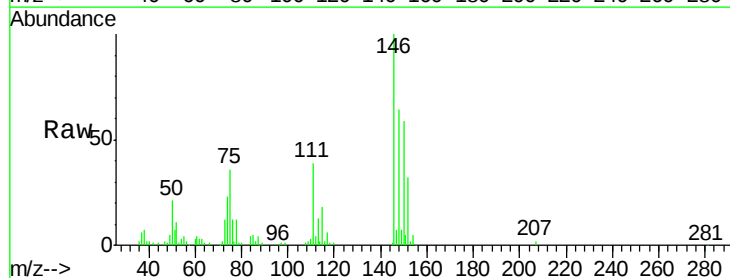
Manual Integrations
 APPROVED

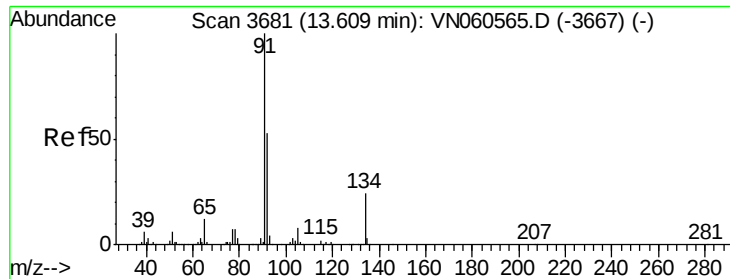
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 4/14/2020 10:10:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.348 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.7
148	63.5	32.1	96.3





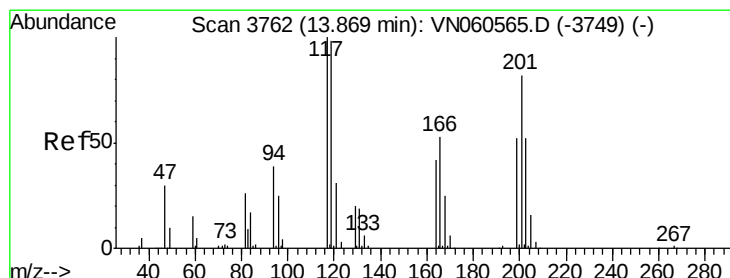
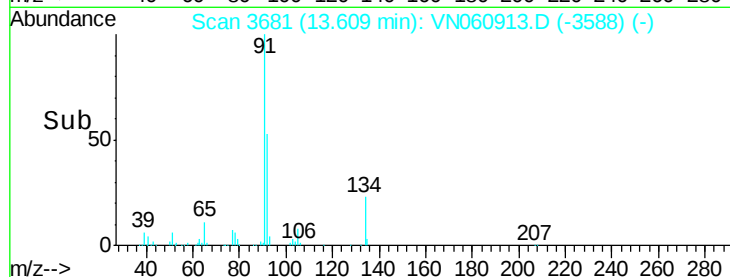
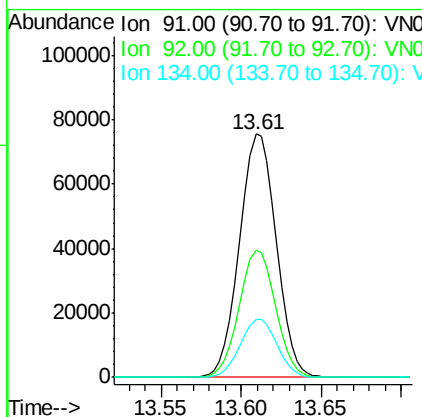
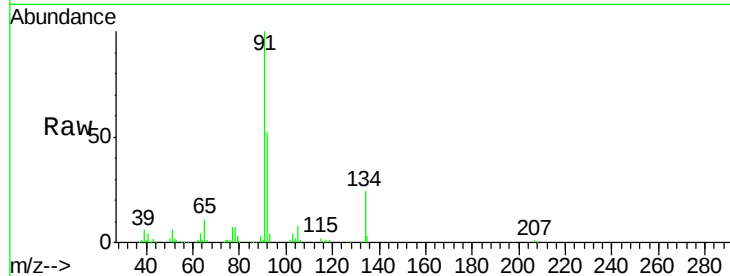
#89
n-Butylbenzene
Concen: 20.150 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	23.9	12.3	36.9

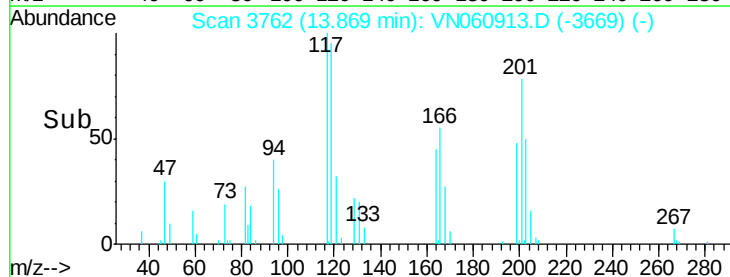
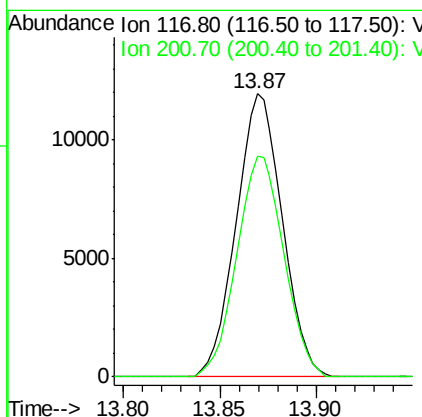
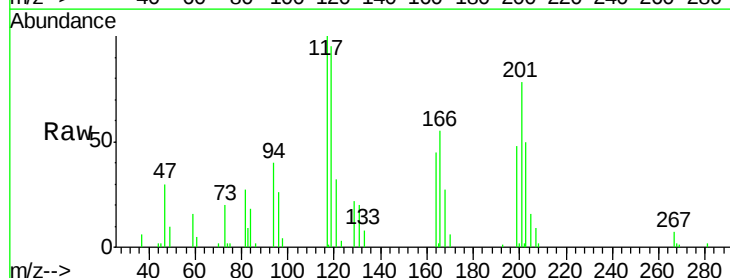
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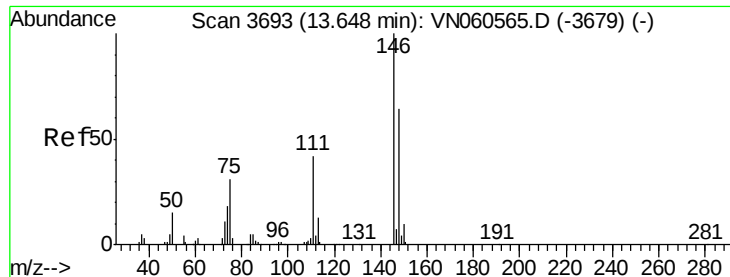
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4/14/2020 10:10:56 AM



#90
Hexachloroethane
Concen: 20.947 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 19.548 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Instrument :

MSVOA_N

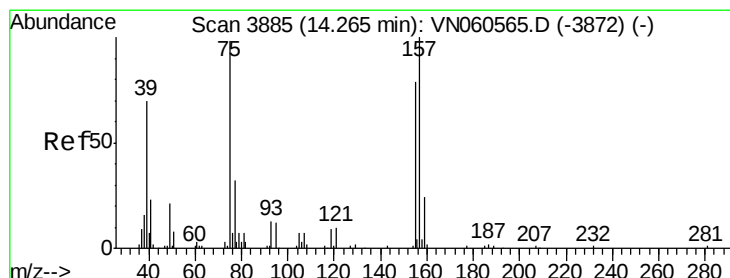
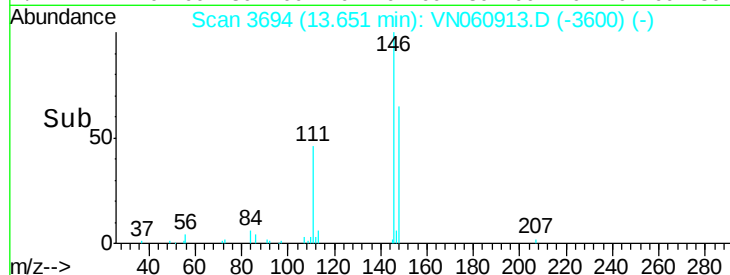
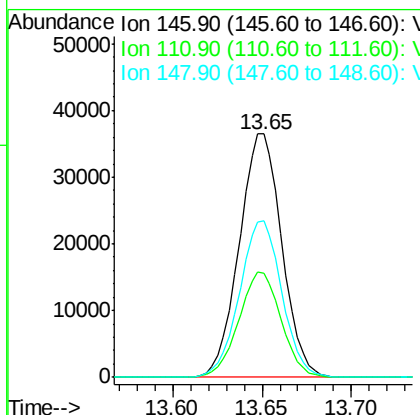
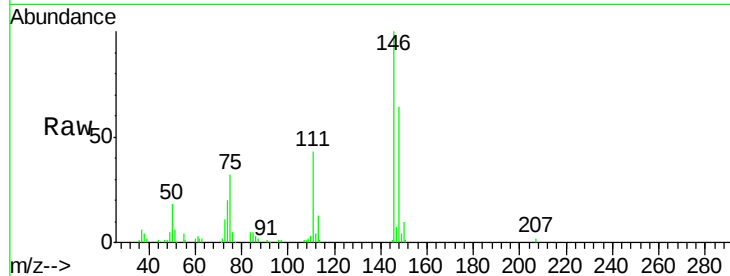
ClientSampleId :

VN0413WBSD01

Tot Ion:	146	Resp:	60607
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.0	63.0
148	63.8	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.369 ug/l

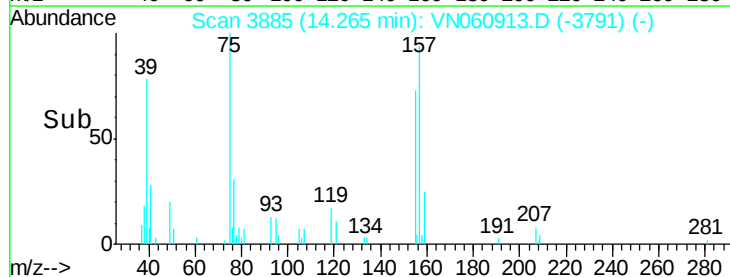
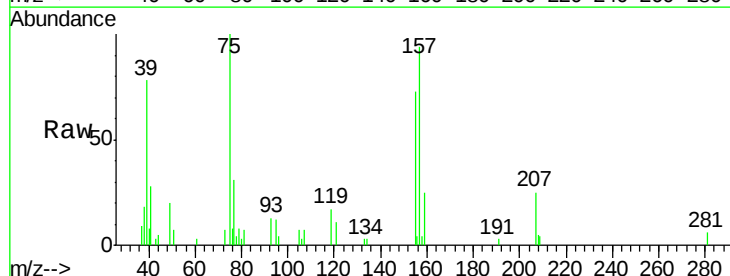
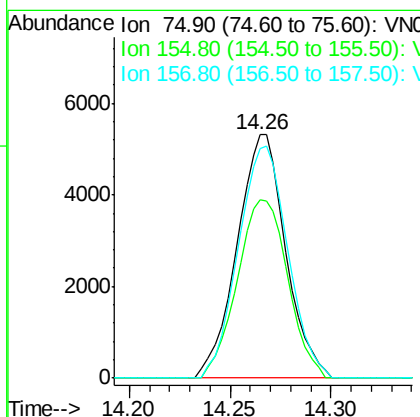
RT: 14.26 min Scan# 3885

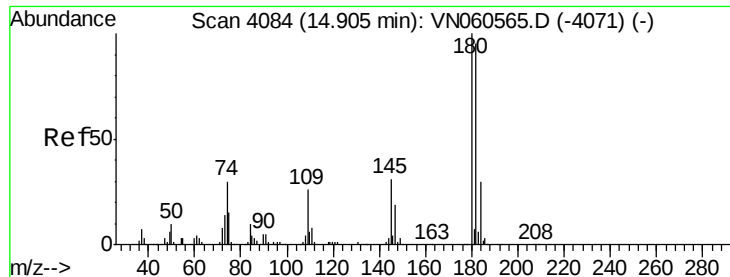
Delta R.T. 0.00 min

Lab File: VN060913.D

Acq: 13 Apr 2020 21:20

Tgt Ion:	75	Resp:	8959
Ion Ratio	Lower	Upper	
75	100		
155	76.0	40.7	122.1
157	96.9	51.5	154.7





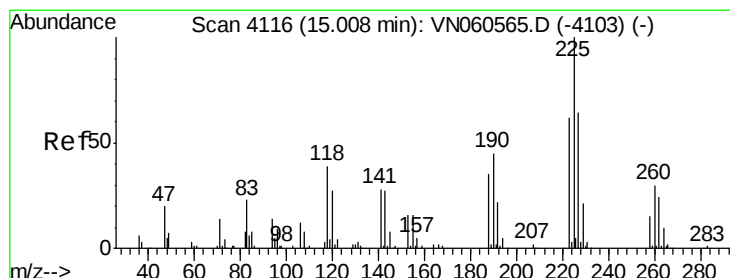
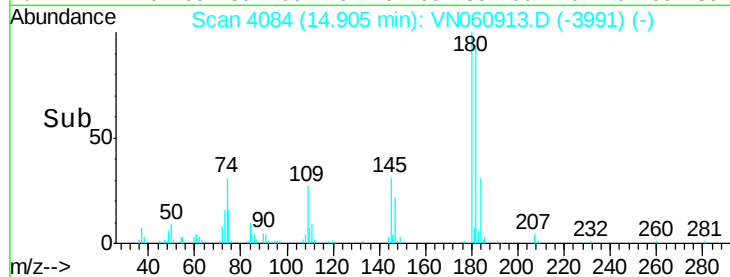
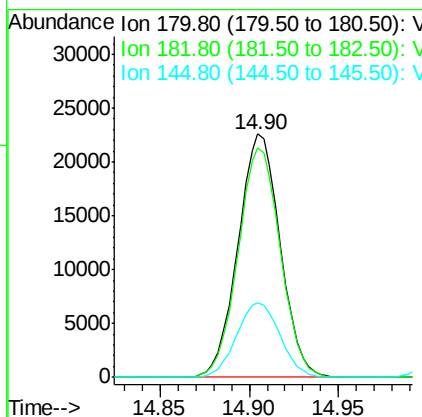
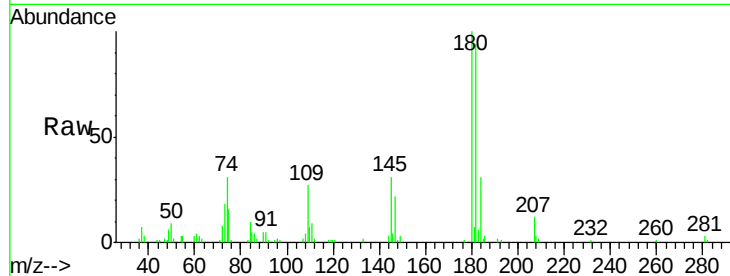
#93
 1,2,4-Trichlorobenzene
 Concen: 19.472 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.8
145	31.6	15.4	46.2

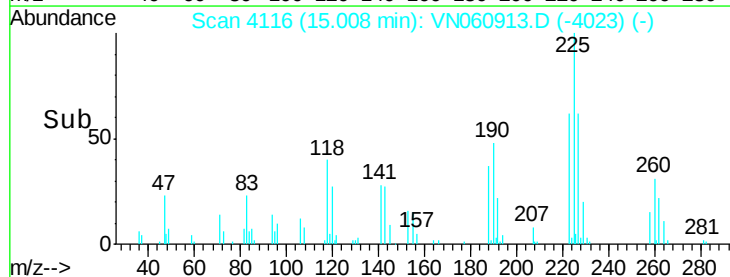
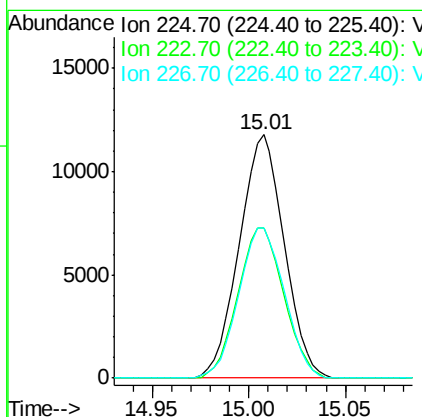
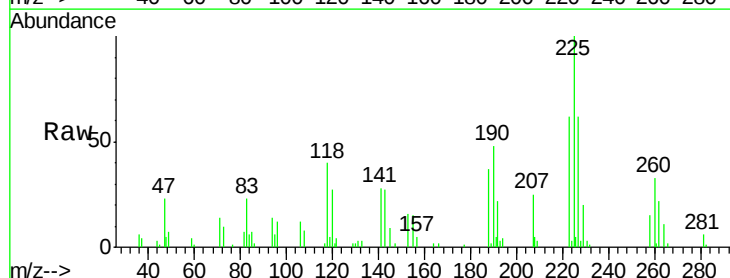
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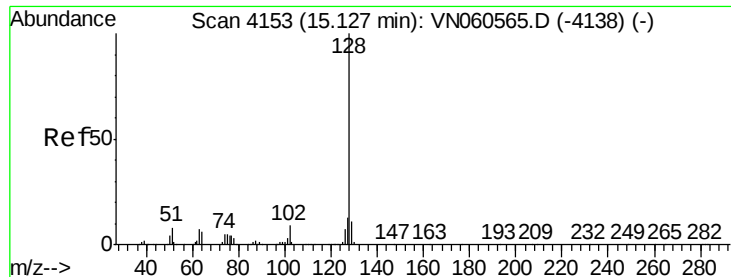
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 4/14/2020 10:10:56 AM



#94
 Hexachlorobutadiene
 Concen: 20.385 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060913.D
 Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	62.7	32.3	96.8





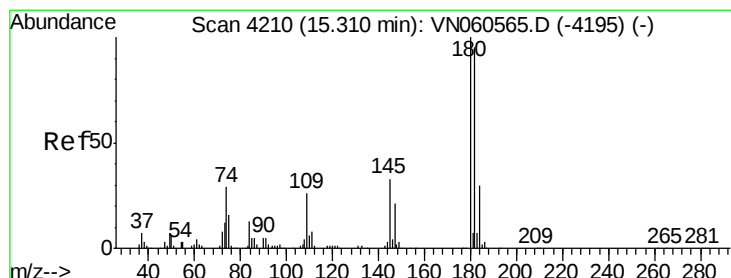
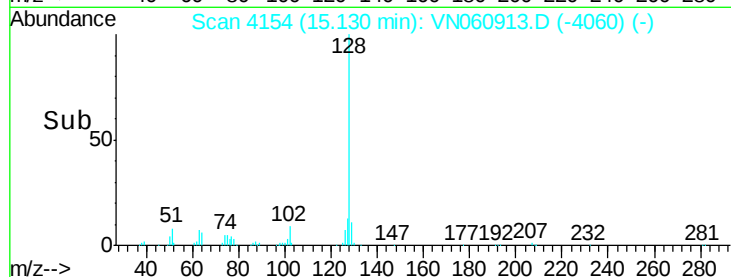
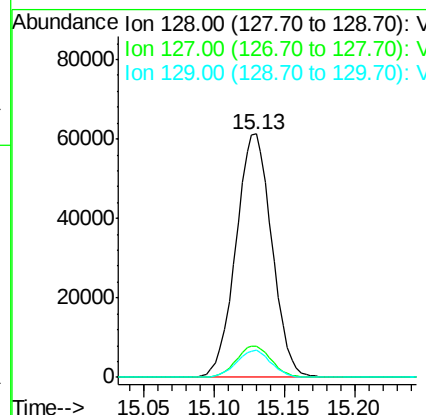
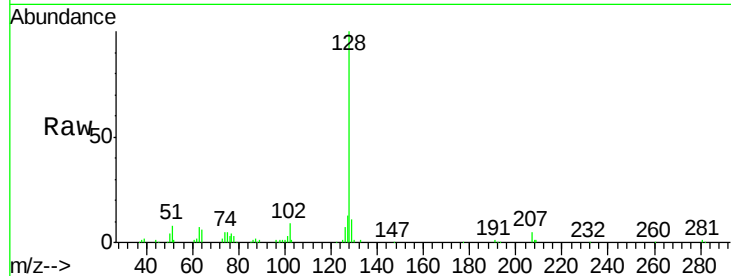
#95
Naphthalene
Concen: 19.051 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	109099		
127	12.6		10.2	15.2
129	10.6		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.512 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060913.D
Acq: 13 Apr 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	36592		
182	96.5		47.5	142.6
145	33.0		16.3	48.8

