

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060912.D
 Acq On : 13 Apr 2020 20:57
 Operator : JC/MD
 Sample : VN0413WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:10:53 AM

Quant Time: Apr 14 07:39:39 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	140180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	239615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	212804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	91791	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
35) Dibromofluoromethane	7.56	113	68529	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	10.08	98	250183	42.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.54%	
62) 4-Bromofluorobenzene	12.40	95	91847	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	20058	14.788	ug/l	99
3) Chloromethane	2.04	50	40553	16.008	ug/l	97
4) Vinyl Chloride	2.17	62	31974	16.137	ug/l	98
5) Bromomethane	2.55	94	17125	20.021	ug/l	99
6) Chloroethane	2.69	64	21022	18.418	ug/l	99
7) Trichlorofluoromethane	3.00	101	40710	16.679	ug/l	99
8) Diethyl Ether	3.38	74	20422	20.828	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24830	17.556	ug/l	99
10) Methyl Iodide	3.93	142	23078	18.338	ug/l	98
11) Tert butyl alcohol	4.72	59	27371	96.713	ug/l	98
12) 1,1-Dichloroethene	3.72	96	26008	17.136	ug/l	97
13) Acrolein	3.58	56	6738	21.482	ug/l	97
14) Allyl chloride	4.29	41	56107	21.019	ug/l	90
15) Acrylonitrile	4.94	53	85123	102.284	ug/l	99
16) Acetone	3.78	43	67136	98.491	ug/l	99
17) Carbon Disulfide	4.03	76	71096	15.403	ug/l	100
18) Methyl Acetate	4.28	43	41393	21.574	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	106367	20.384	ug/l	98
20) Methylene Chloride	4.52	84	32279	19.250	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	29264	18.092	ug/l	93
22) Diisopropyl ether	5.91	45	120730	21.408	ug/l	98
23) Vinyl Acetate	5.85	43	487506	105.949	ug/l	99
24) 1,1-Dichloroethane	5.82	63	61597	20.036	ug/l	100
25) 2-Butanone	6.80	43	109481	99.256	ug/l	97
26) 2,2-Dichloropropane	6.79	77	45764	18.920	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	35864	19.511	ug/l	99
28) Bromochloromethane	7.17	49	34951	23.762	ug/l	98
29) Tetrahydrofuran	7.18	42	76040	97.433	ug/l	97
30) Chloroform	7.34	83	58522	19.856	ug/l	98
31) Cyclohexane	7.63	56	50686	16.354	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	46623	18.350	ug/l	98
36) 1,1-Dichloropropene	7.77	75	40186	17.320	ug/l	98
37) Ethyl Acetate	6.89	43	49321	19.673	ug/l	99
38) Carbon Tetrachloride	7.75	117	34989	16.826	ug/l	98

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	45988	16.679	ug/l	97
40) Benzene	8.02	78	131199	18.732	ug/l	100
41) Methacrylonitrile	7.15	41	24684m	23.071	ug/l	
42) 1,2-Dichloroethane	8.10	62	48569	20.290	ug/l	98
43) Isopropyl Acetate	8.14	43	82015	19.836	ug/l	99
44) Trichloroethene	8.81	130	31811	18.016	ug/l	96
45) 1,2-Dichloropropane	9.10	63	37267	20.164	ug/l	100
46) Dibromomethane	9.19	93	22093	19.773	ug/l	99
47) Bromodichloromethane	9.38	83	45828	19.738	ug/l	99
48) Methyl methacrylate	9.18	41	35326	19.190	ug/l	98
49) 1,4-Dioxane	9.18	88	8955	409.268	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	235891	100.261	ug/l	98
52) Toluene	10.14	92	76839	18.165	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	52969	19.861	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	57808	19.758	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	32695	20.091	ug/l	99
56) Ethyl methacrylate	10.42	69	49349	19.448	ug/l	97
57) 1,3-Dichloropropane	10.70	76	57635	20.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	111437	88.363	ug/l	99
59) 2-Hexanone	10.74	43	163076	96.220	ug/l	99
60) Dibromochloromethane	10.89	129	32638	19.416	ug/l	98
61) 1,2-Dibromoethane	10.99	107	31952	19.526	ug/l	99
64) Tetrachloroethene	10.62	164	27859	16.636	ug/l	99
65) Chlorobenzene	11.43	112	78873	18.696	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	29489	19.306	ug/l	98
67) Ethyl Benzene	11.50	91	142184	18.124	ug/l	99
68) m/p-Xylenes	11.61	106	104346	35.792	ug/l	99
69) o-Xylene	11.94	106	51413	18.474	ug/l	100
70) Styrene	11.96	104	81636	17.936	ug/l	99
71) Bromoform	12.12	173	21959	18.397	ug/l #	98
73) Isopropylbenzene	12.24	105	133420	18.001	ug/l	99
74) N-amyl acetate	12.06	43	66849	19.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	45523	20.310	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	41370m	19.413	ug/l	
77) Bromobenzene	12.52	156	32668	18.292	ug/l	95
78) n-propylbenzene	12.59	91	157041	17.934	ug/l	98
79) 2-Chlorotoluene	12.67	91	94120	17.989	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	112950	17.958	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	15311	18.452	ug/l	96
82) 4-Chlorotoluene	12.77	91	99037	18.586	ug/l	98
83) tert-Butylbenzene	12.99	119	93564	17.945	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	113816	18.291	ug/l	99
85) sec-Butylbenzene	13.17	105	128578	18.339	ug/l	99
86) p-Isopropyltoluene	13.28	119	115624	18.339	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	58472	18.563	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	57998	18.327	ug/l	98
89) n-Butylbenzene	13.61	91	106475	18.705	ug/l	99
90) Hexachloroethane	13.87	117	17756	19.375	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	56548	18.775	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8565	18.073	ug/l	94

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	34267	18.527	ug/l	99
94) Hexachlorobutadiene	15.01	225	17444	19.239	ug/l	99
95) Naphthalene	15.13	128	101737	18.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	34142	18.741	ug/l	99

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

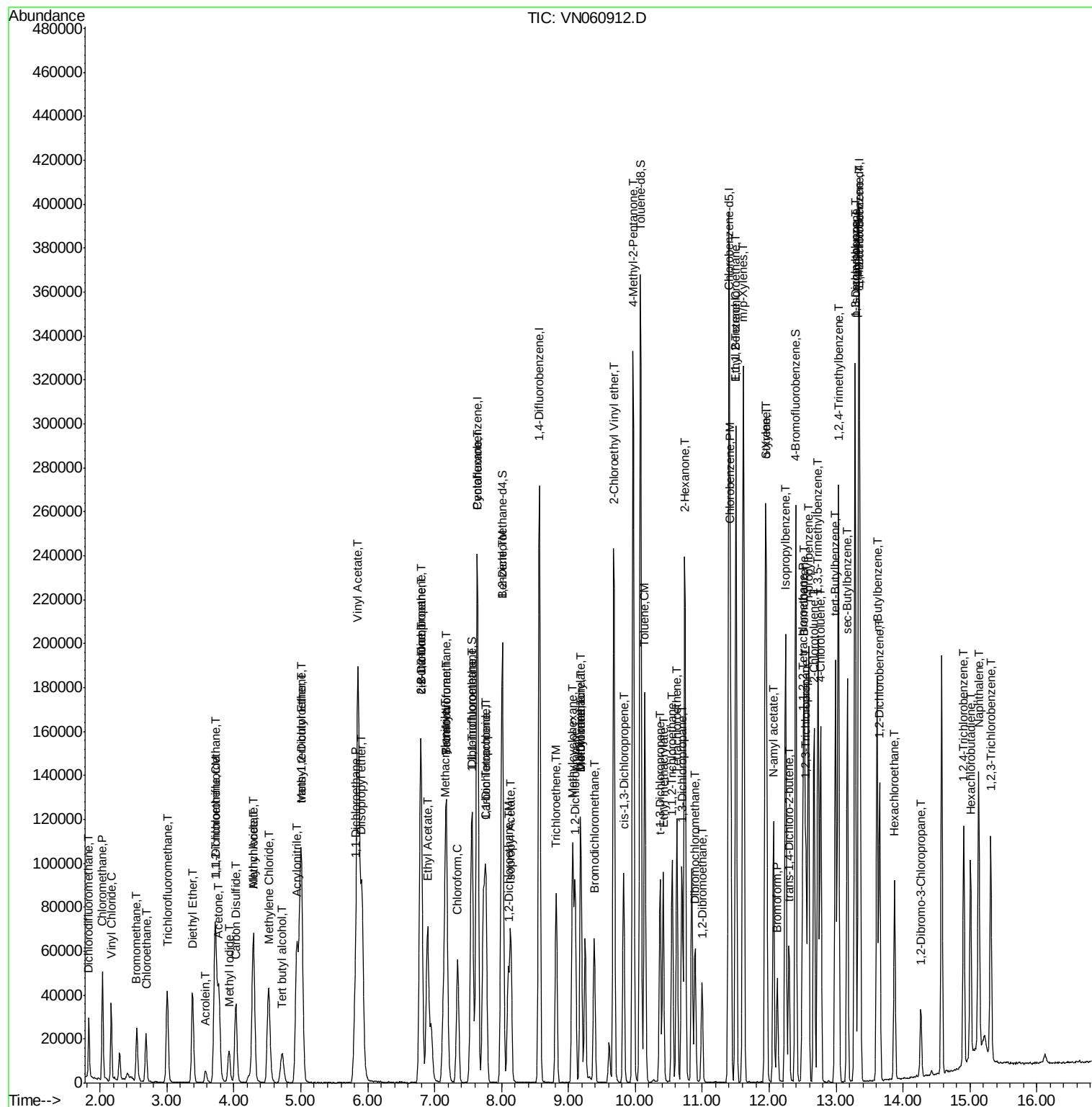
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 Data File : VN060912.D
 Acq On : 13 Apr 2020 20:57
 Operator : JC/MD
 Sample : VN0413WBS01
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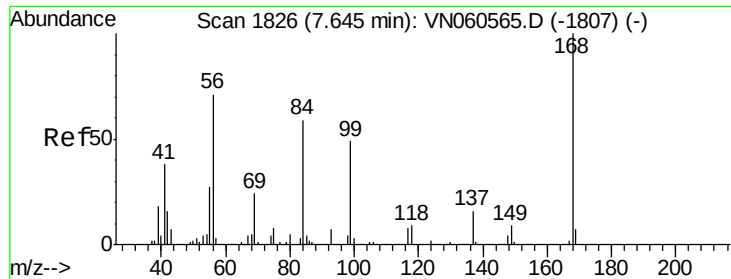
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0413WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion:168 Resp: 140180

Ion Ratio Lower Upper

168 100

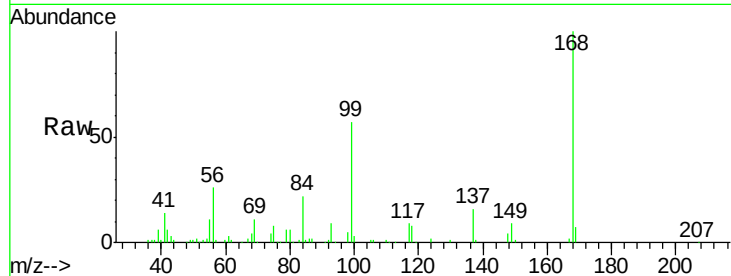
99 56.8 44.0 66.0

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

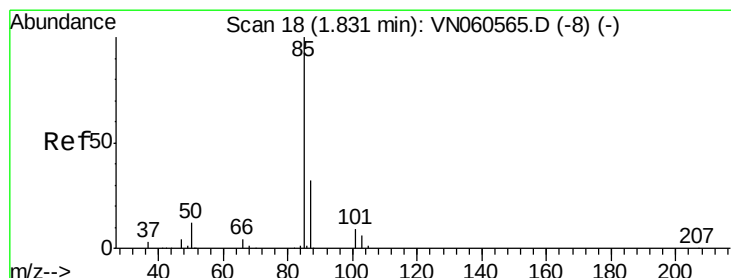
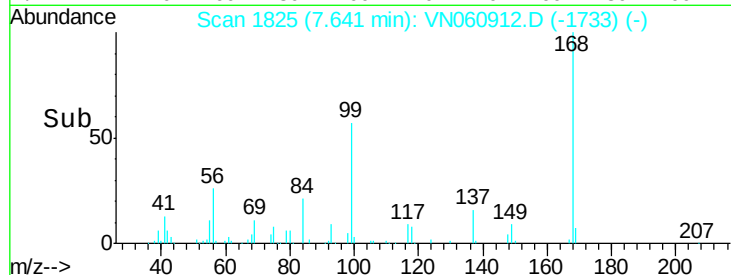
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.788 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060912.D

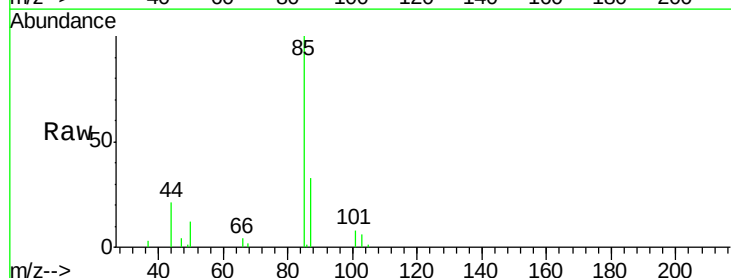
Acq: 13 Apr 2020 20:57

Tgt Ion: 85 Resp: 20058

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

15000

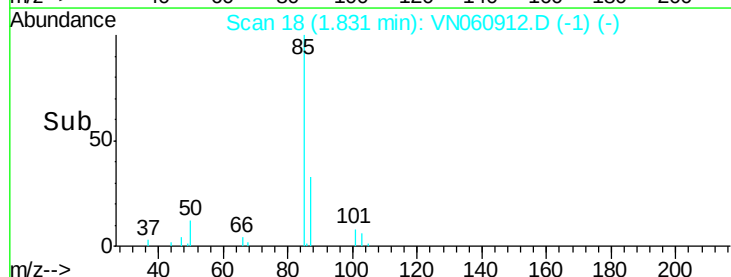
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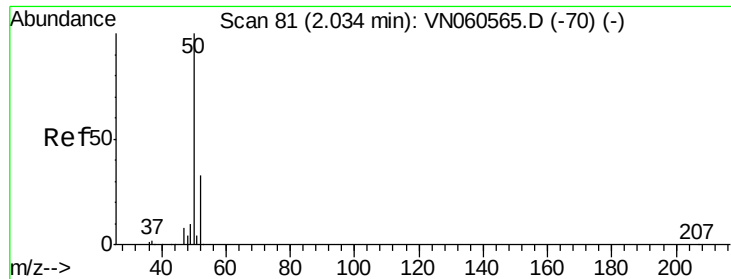
5000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 16.008 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 50 Resp: 40553

Ion Ratio Lower Upper

50 100

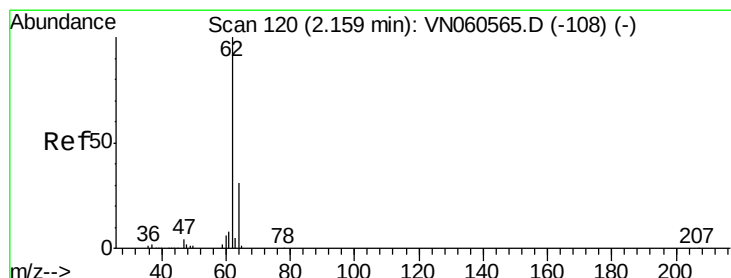
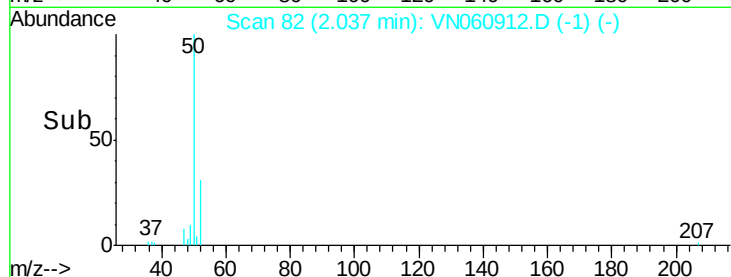
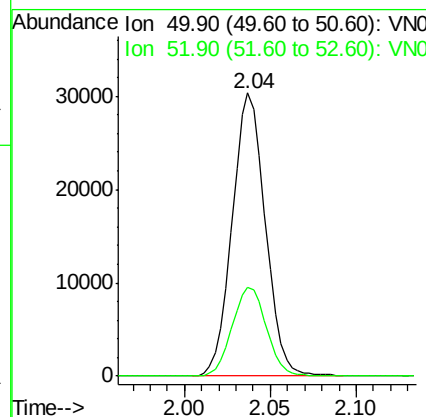
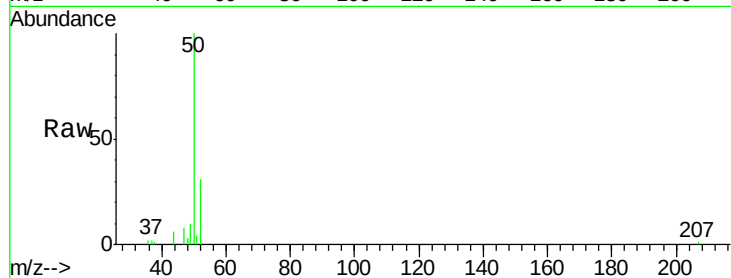
52 31.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.137 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060912.D

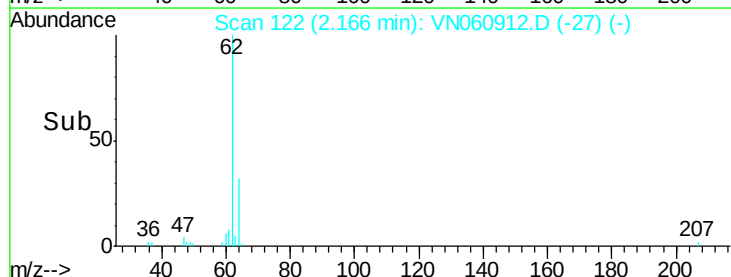
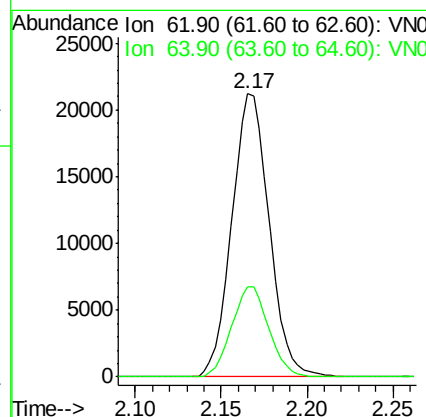
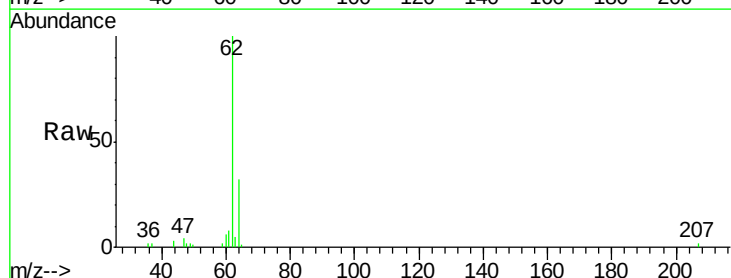
Acq: 13 Apr 2020 20:57

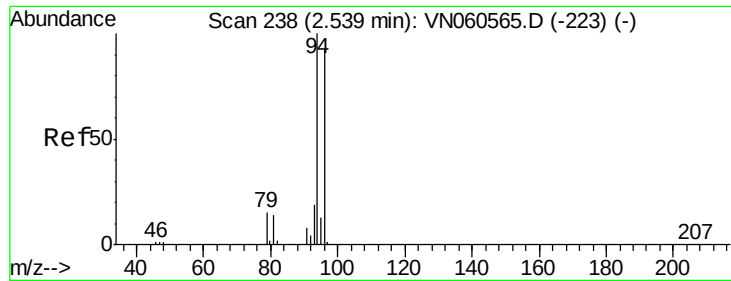
Tgt Ion: 62 Resp: 31974

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 20.021 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 94 Resp: 17125

Ion Ratio Lower Upper

94 100

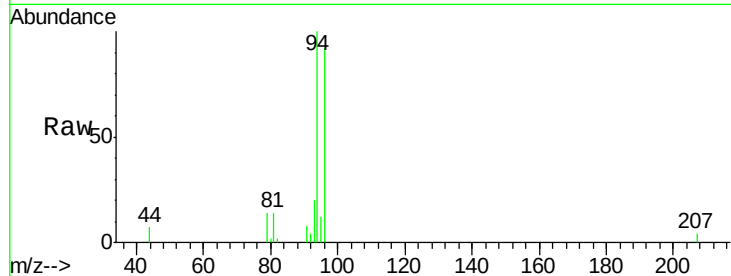
96 92.2 74.6 112.0

Manual Integrations

APPROVED

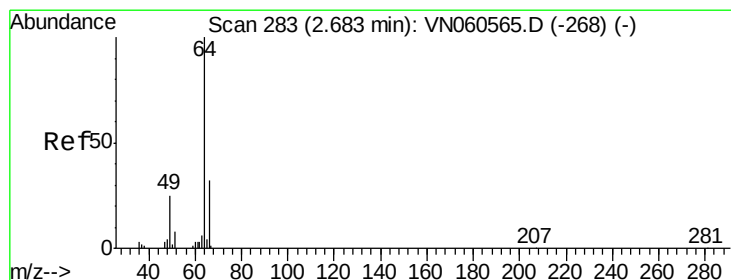
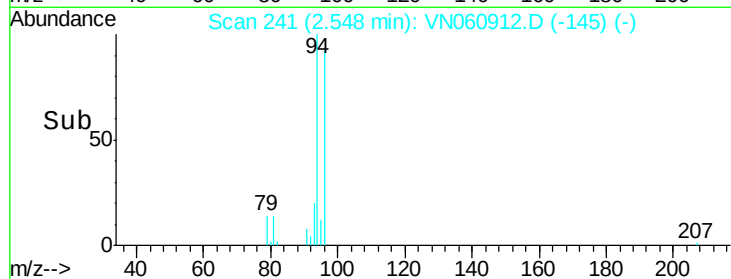
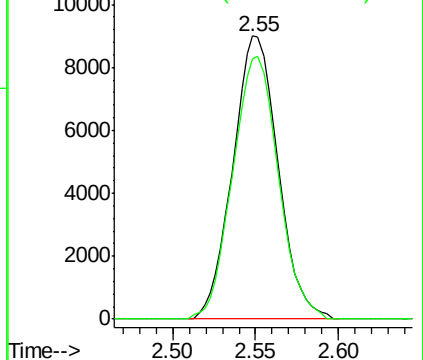
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4/14/2020 10:10:53 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.418 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060912.D

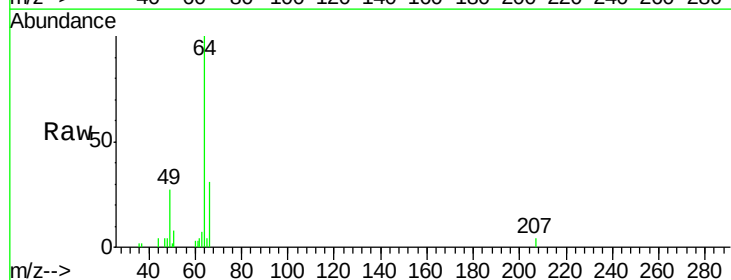
Acq: 13 Apr 2020 20:57

Tgt Ion: 64 Resp: 21022

Ion Ratio Lower Upper

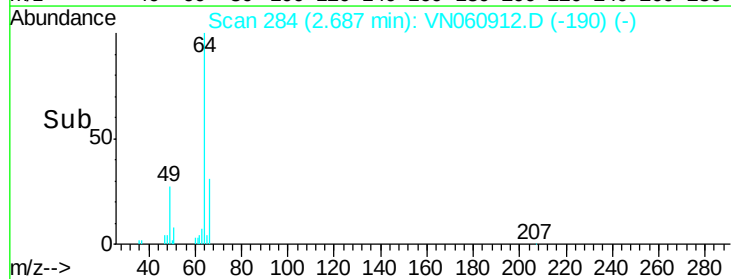
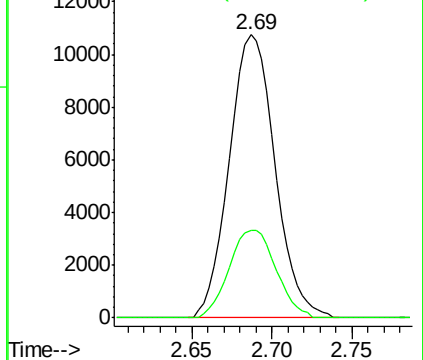
64 100

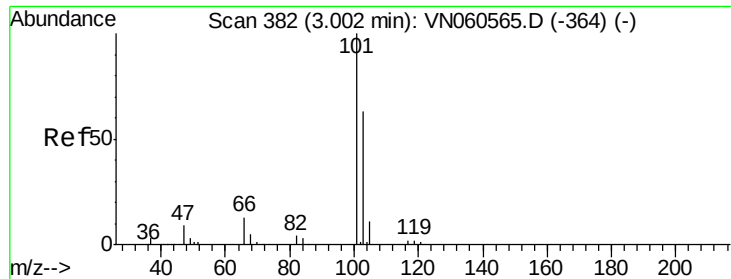
66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

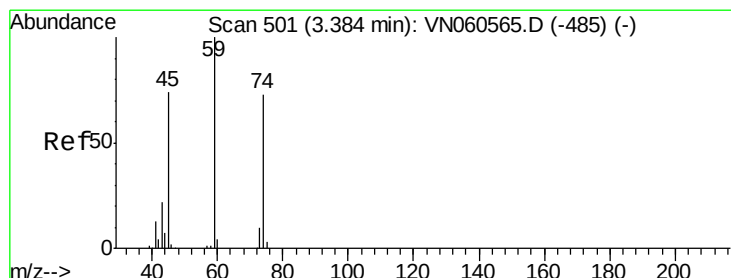
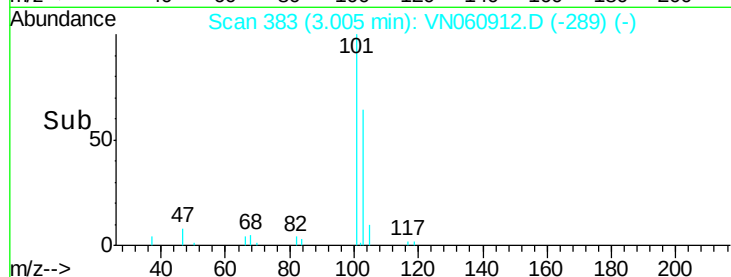
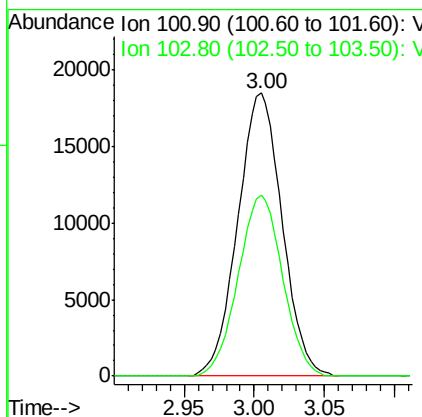
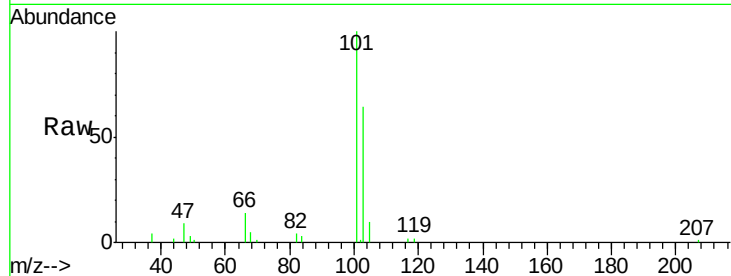
Trichlorofluoromethane
 Concen: 16.679 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		40710		
103	63.9	50.6	76.0		

Manual Integrations
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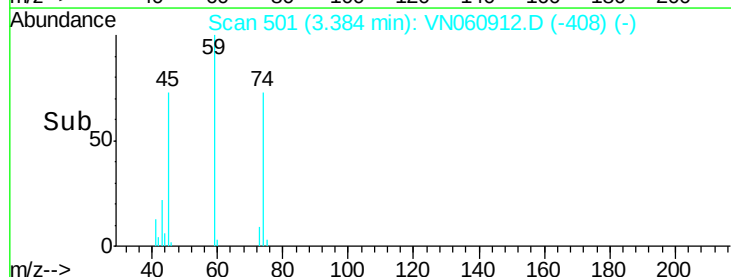
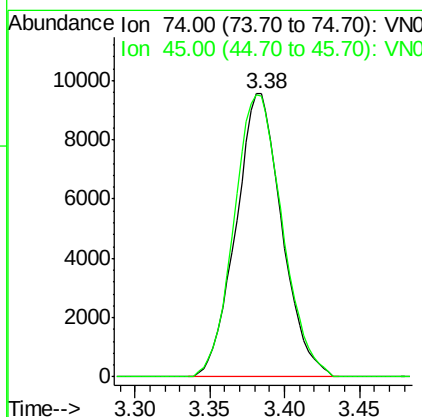
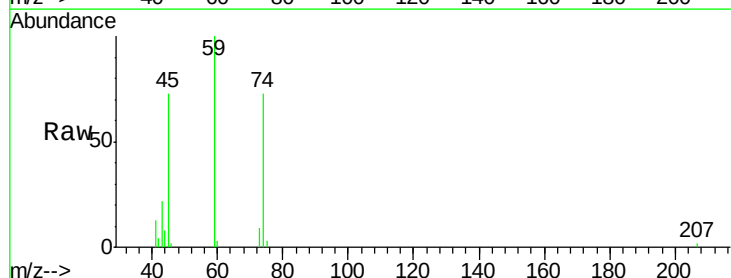
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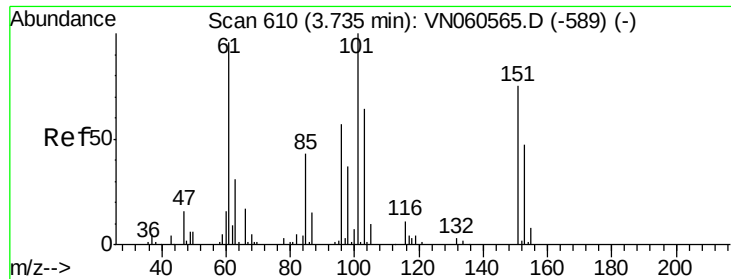


#8

Diethyl Ether
 Concen: 20.828 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		20422		
45	104.5	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.556 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060912.D

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MSVOA_N

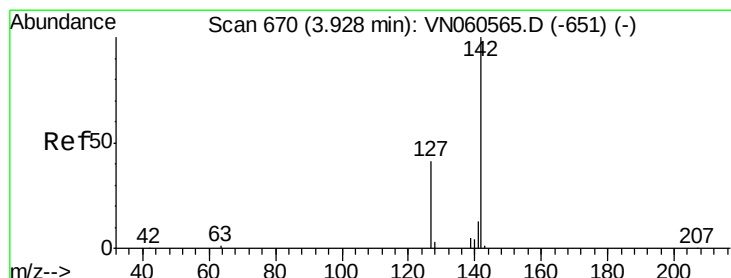
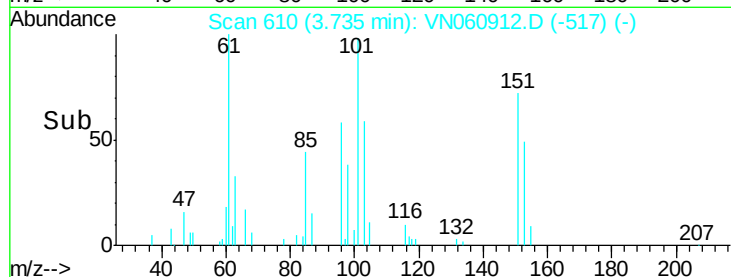
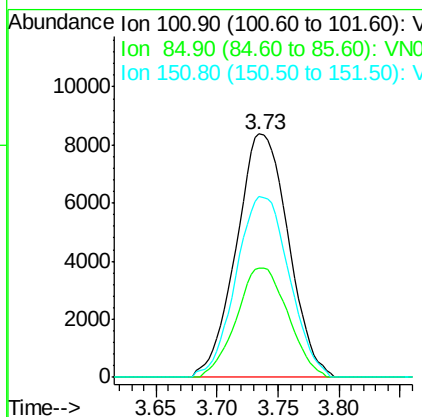
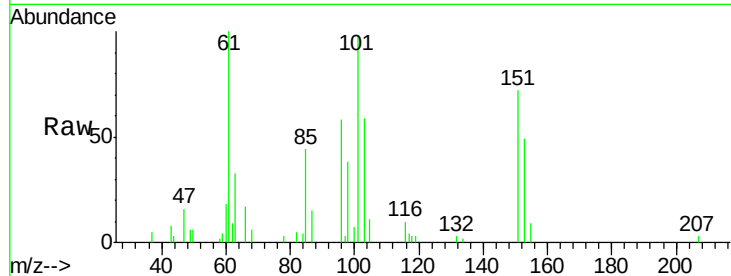
ClientSampleId :

VN0413WBS01

Tot Ion:	101	Resp:	24830
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	75.7	61.4	92.2

Manual Integrations
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MMDadoda
4/14/2020 10:10:53 AM



#10

Methyl Iodide

Concen: 18.338 ug/l

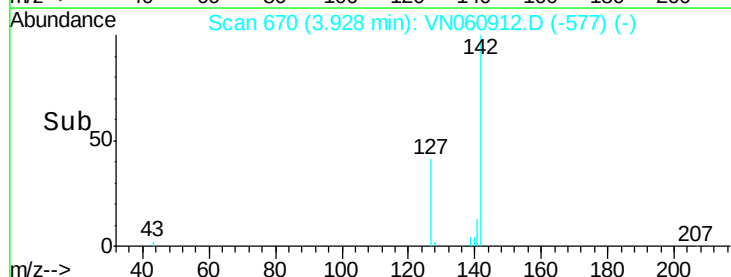
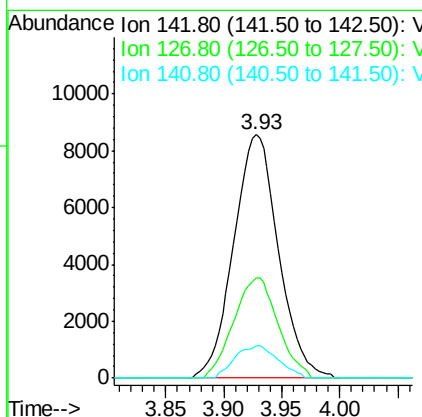
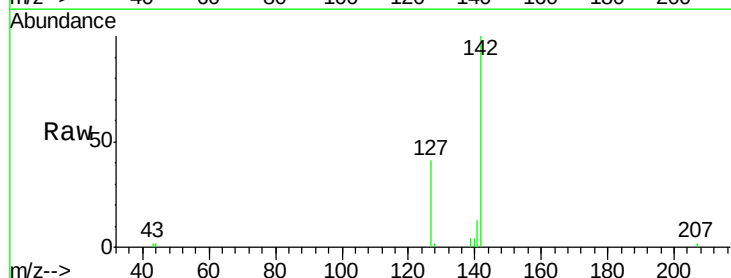
RT: 3.93 min Scan# 670

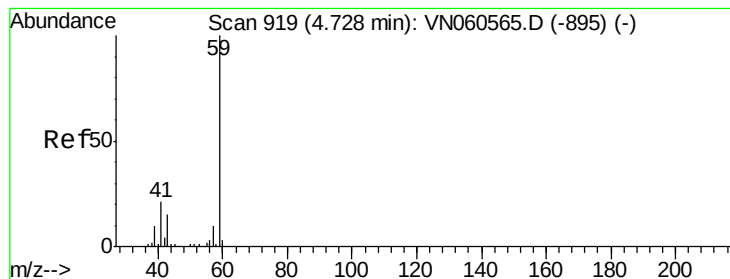
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	142	Resp:	23078
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.5	50.3
141	12.7	11.0	16.6





#11

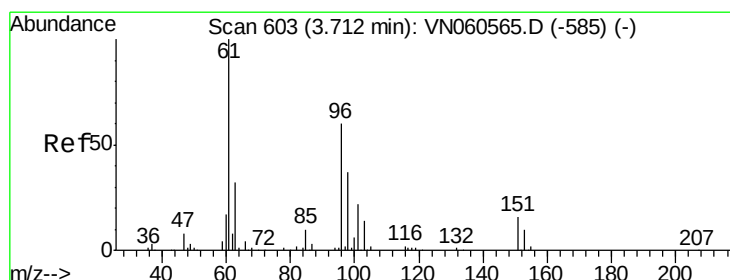
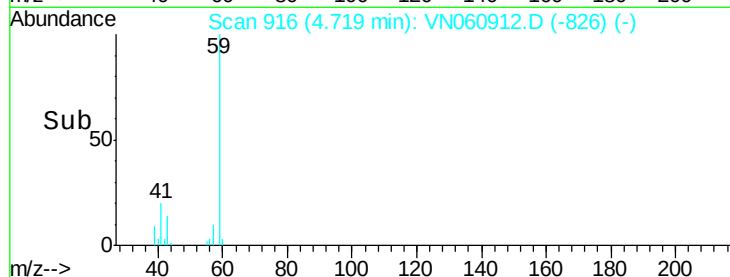
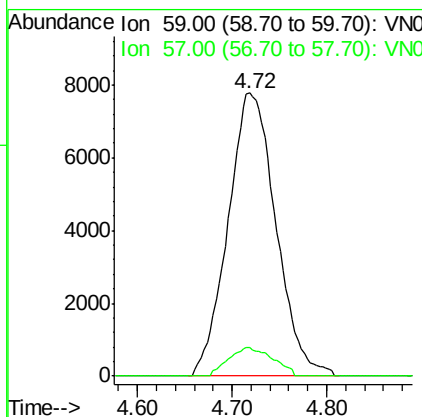
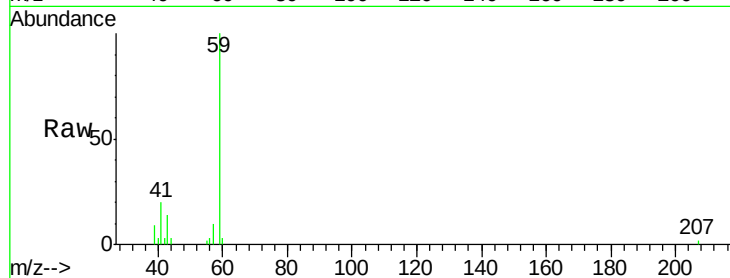
Tert butyl alcohol
 Concen: 96.713 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

Manual Integrations
 APPROVED

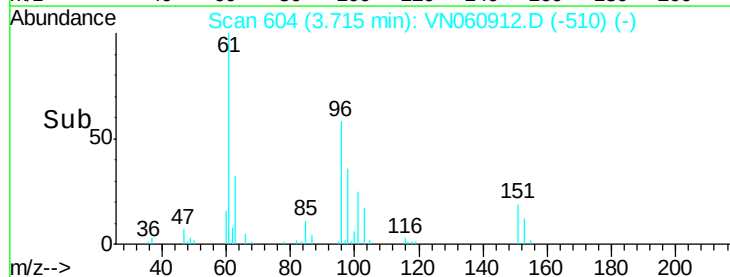
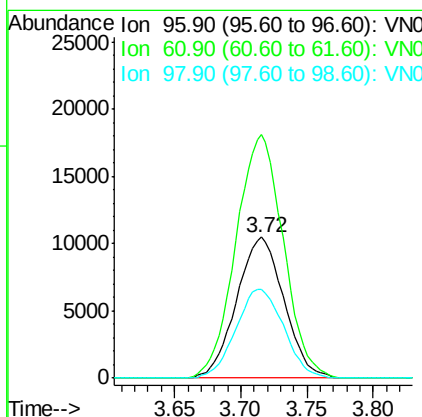
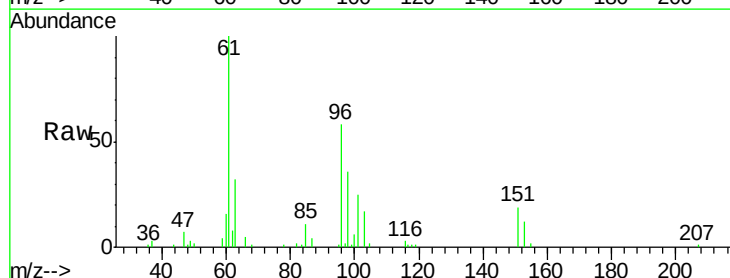
MMDadoda
 4/14/2020 10:10:53 AM

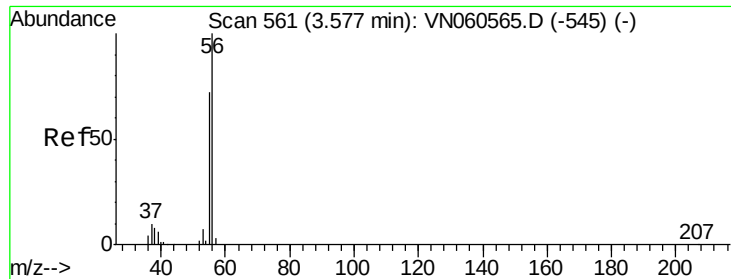


#12

1,1-Dichloroethene
 Concen: 17.136 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	134.1	201.1
98	63.1	49.9	74.9





#13

Acrolein

Concen: 21.482 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 56 Resp: 6738

Ion Ratio Lower Upper

56 100

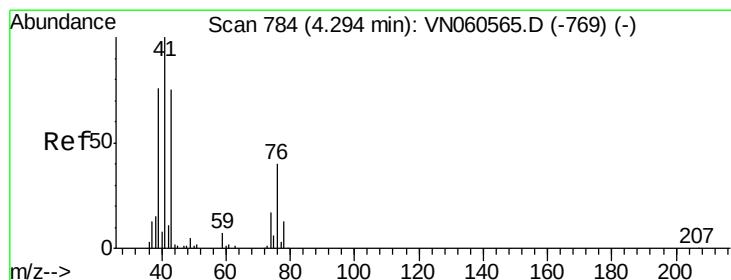
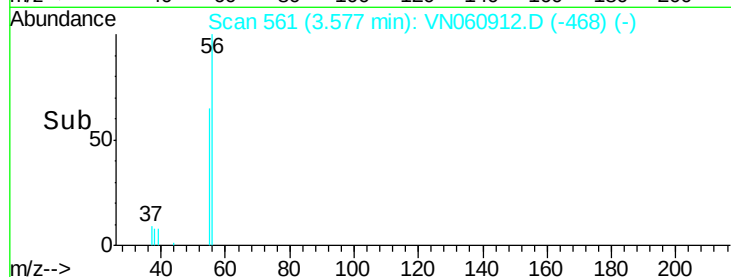
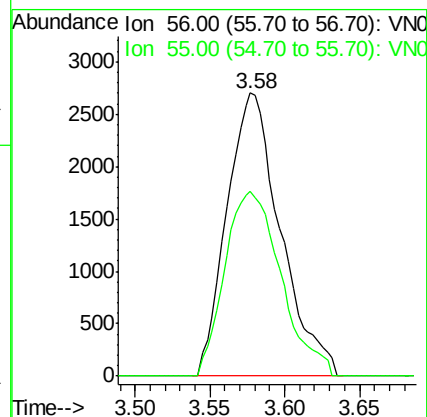
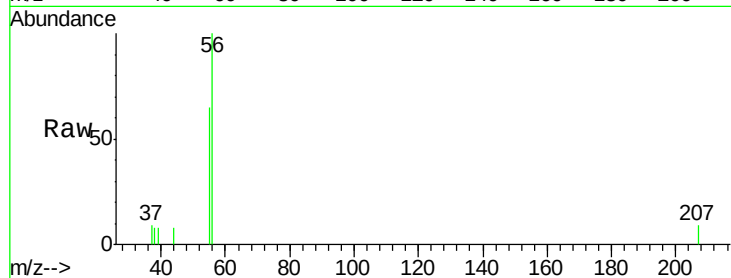
55 68.3 56.7 85.1

Manual Integrations

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MMDadoda

4/14/2020 10:10:53 AM



#14

Allyl chloride

Concen: 21.019 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

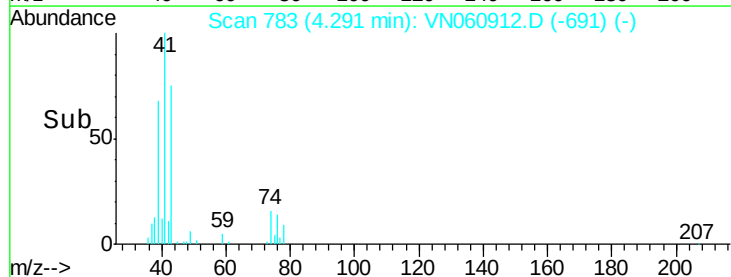
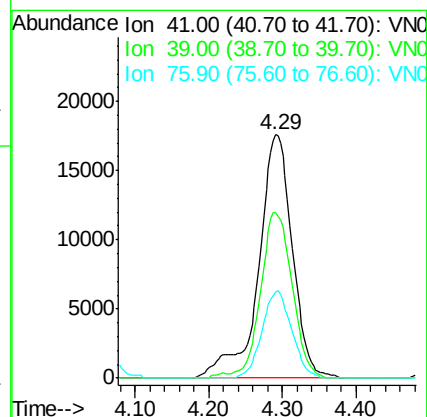
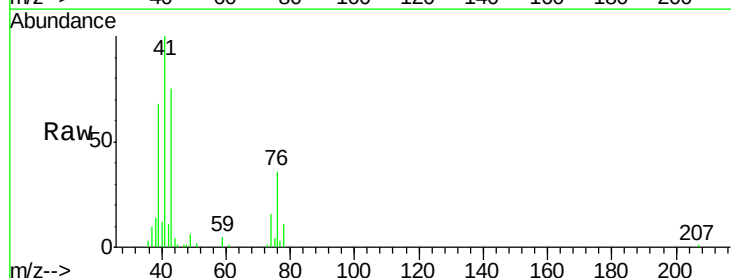
Tgt Ion: 41 Resp: 56107

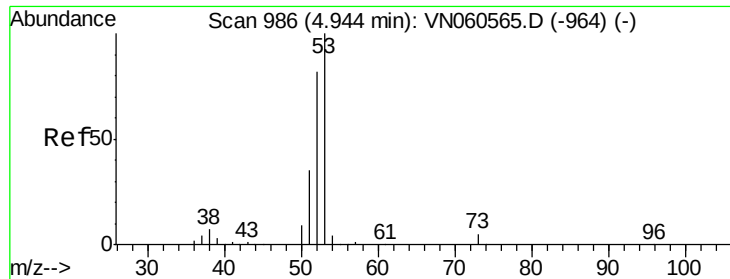
Ion Ratio Lower Upper

41 100

39 63.2 57.8 86.8

76 31.5 28.6 43.0





#15

Acrylonitrile

Concen: 102.284 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

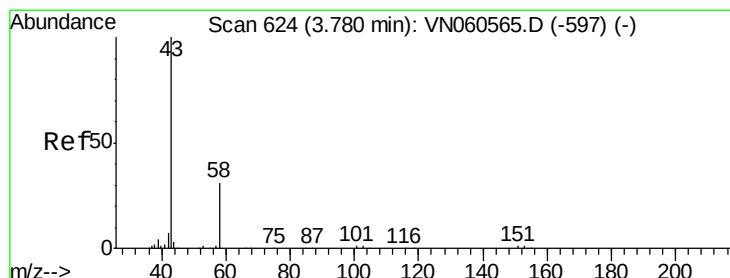
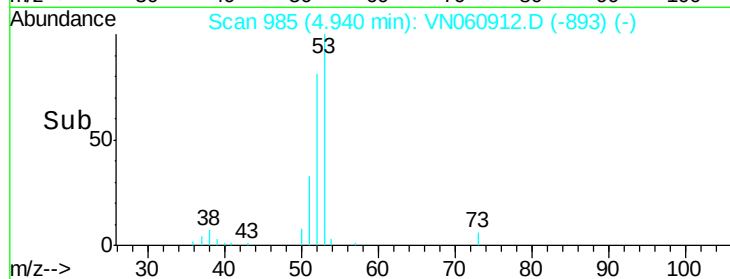
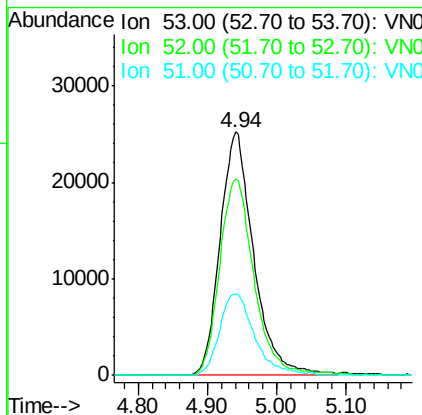
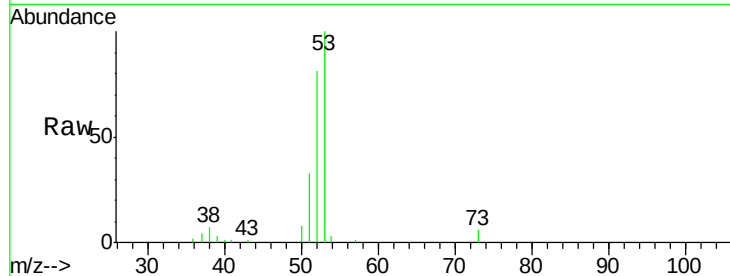
ClientSampleId :

VN0413WBS01

Tot Ion:	53	Resp:	85123
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.4
51	34.8	28.7	43.1

Manual Integrations
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MMDadoda
4/14/2020 10:10:53 AM



#16

Acetone

Concen: 98.491 ug/l

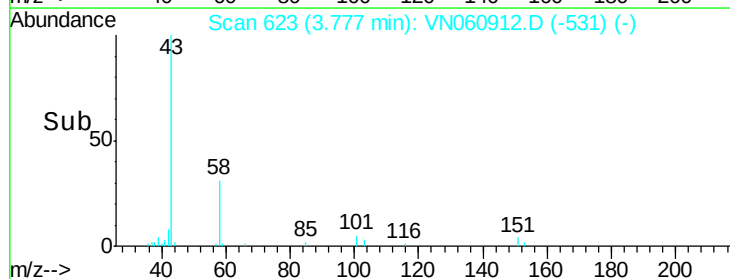
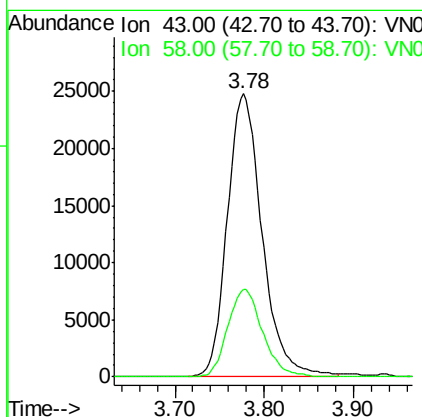
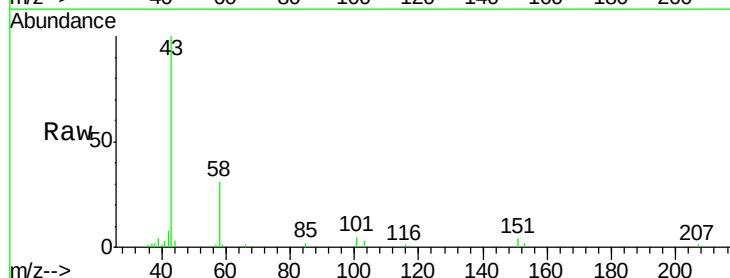
RT: 3.78 min Scan# 623

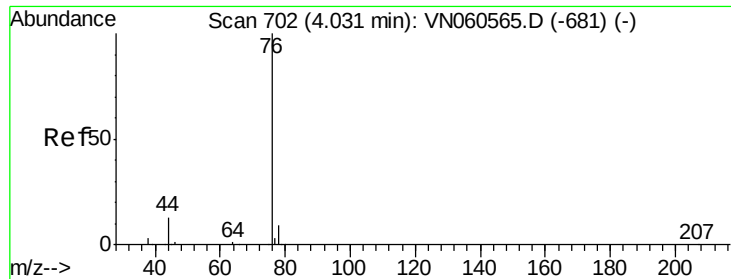
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	43	Resp:	67136
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.1	37.7





#17

Carbon Disulfide

Concen: 15.403 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 76 Resp: 71096

Ion Ratio Lower Upper

76 100

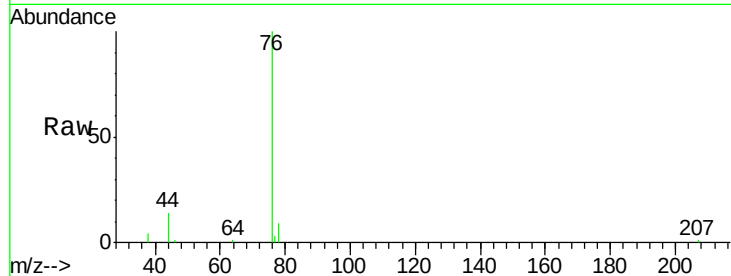
78 9.1 7.2 10.8

Manual Integrations

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MMDadoda

4/14/2020 10:10:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VN060912.D (-689) (-)

Ion 77.90 (77.60 to 78.60): VN060912.D (-689) (-)

30000

25000

20000

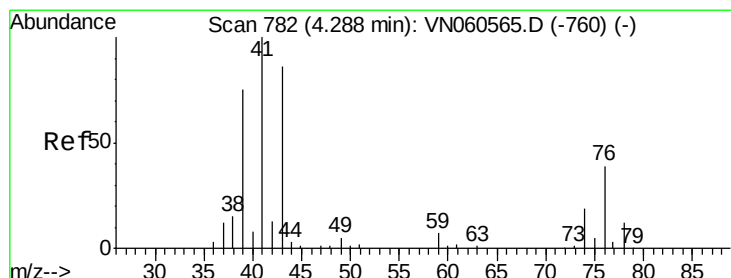
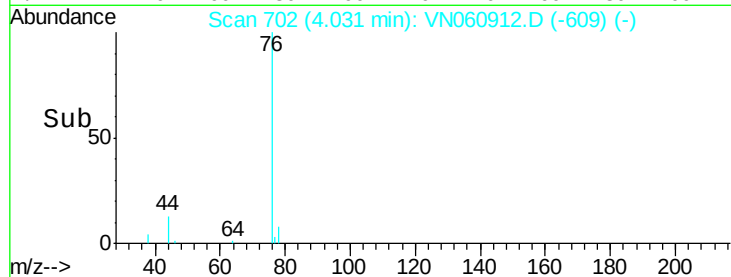
15000

10000

5000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 21.574 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060912.D

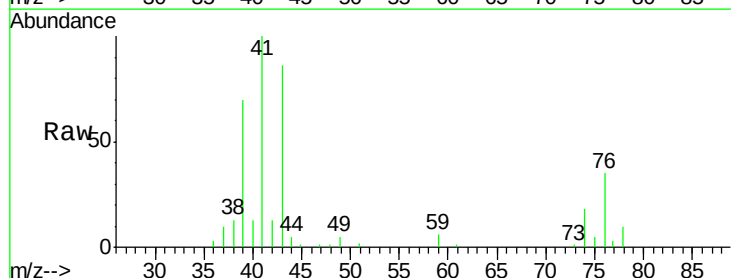
Acq: 13 Apr 2020 20:57

Tgt Ion: 43 Resp: 41393

Ion Ratio Lower Upper

43 100

74 21.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060912.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060912.D (-689) (-)

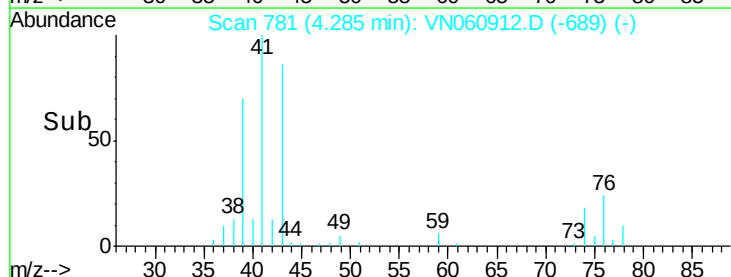
15000

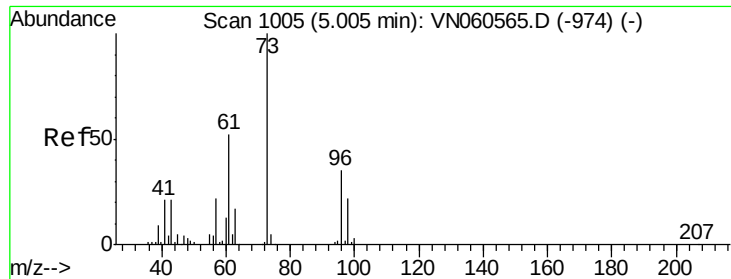
10000

5000

0

Time--> 4.20 4.30 4.40





#19

Methyl tert-butyl Ether

Concen: 20.384 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 73 Resp: 106367

Ion Ratio Lower Upper

73 100

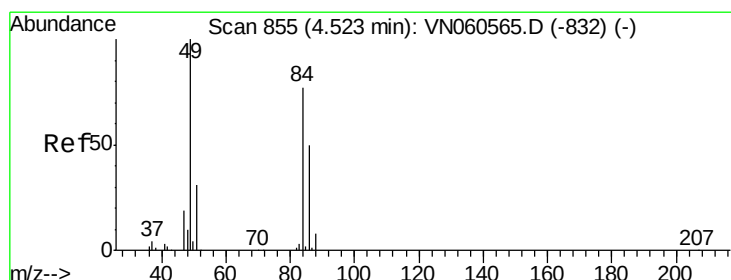
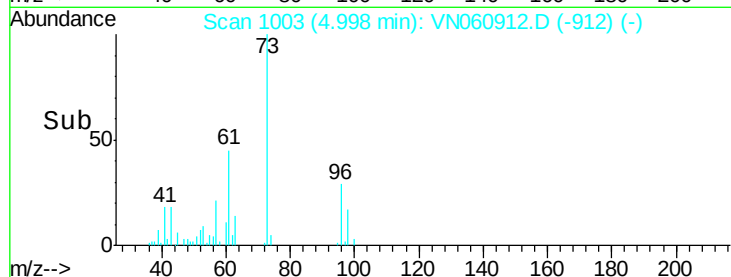
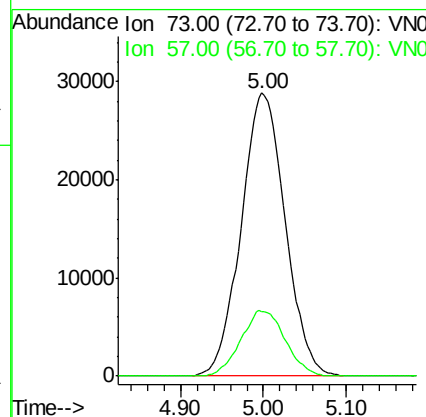
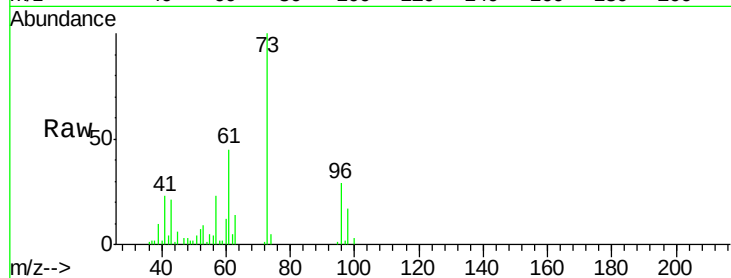
57 22.9 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:10:53 AM



#20

Methylene Chloride

Concen: 19.250 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion: 84 Resp: 32279

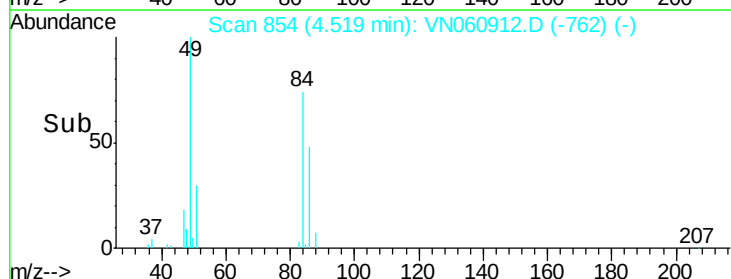
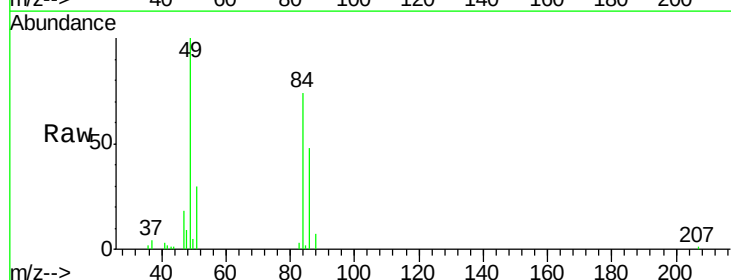
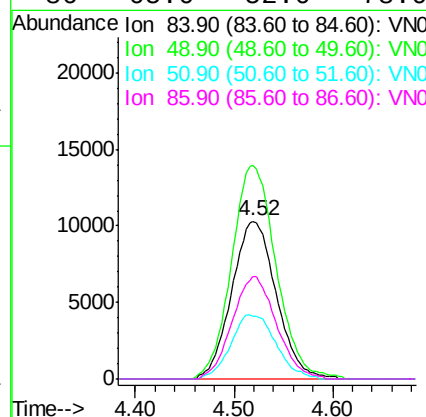
Ion Ratio Lower Upper

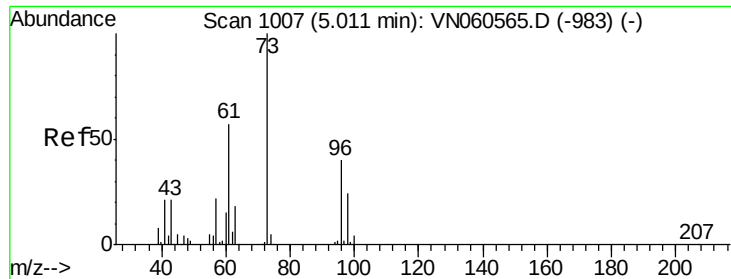
84 100

49 135.4 103.3 154.9

51 40.0 31.6 47.4

86 65.0 52.0 78.0





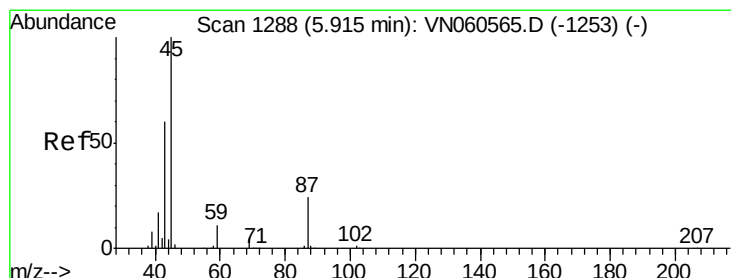
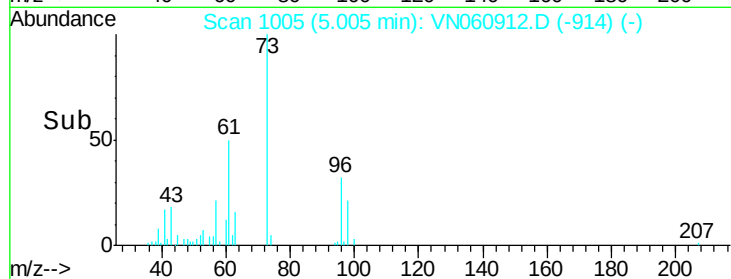
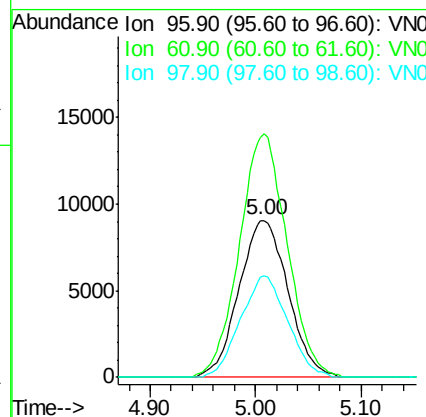
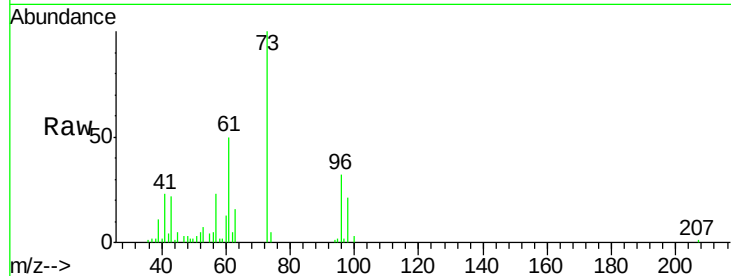
#21
trans-1,2-Dichloroethene
Concen: 18.092 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	114.4	171.6
98	63.6	48.4	72.6

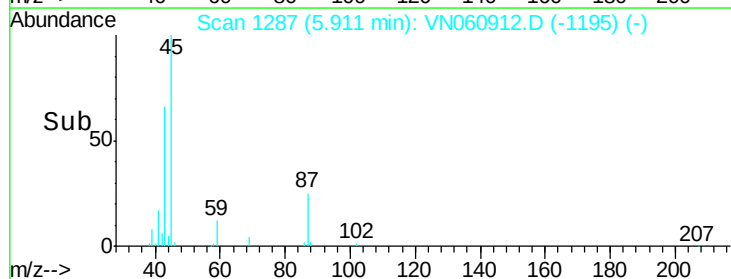
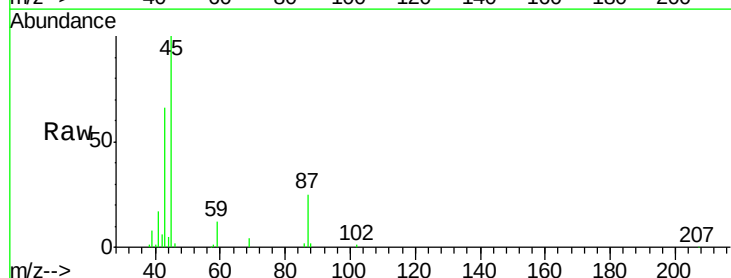
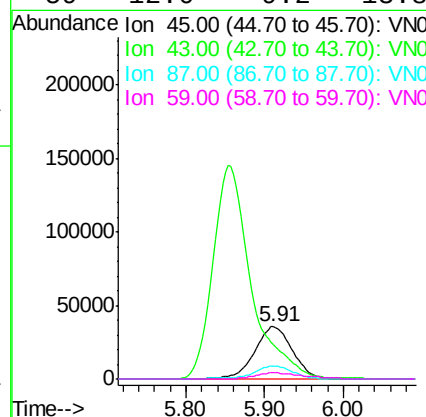
Manual Integrations
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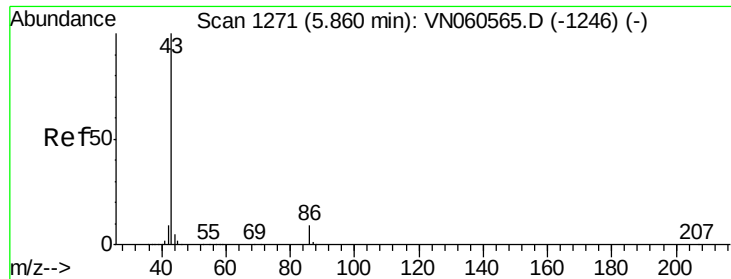
MMDadoda
4/14/2020 10:10:53 AM



#22
Diisopropyl ether
Concen: 21.408 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.9	49.8	74.8
87	24.9	20.1	30.1
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 105.949 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 43 Resp: 487506

Ion Ratio Lower Upper

43 100

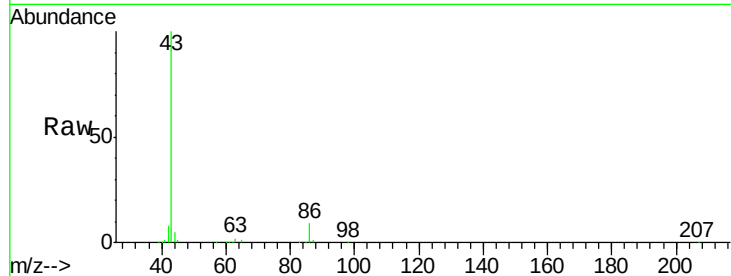
86 9.0 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:10:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060912.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060912.D (-1178) (-)

5.85

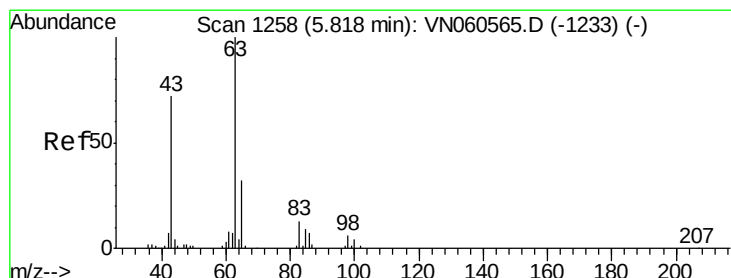
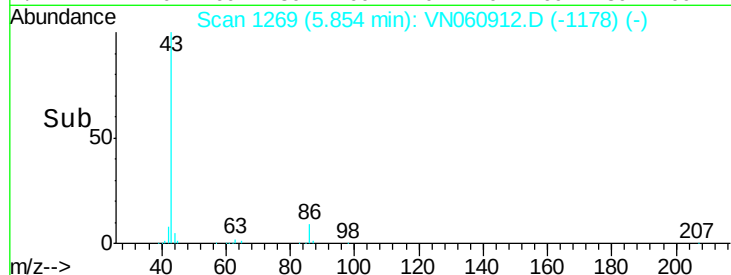
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.036 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

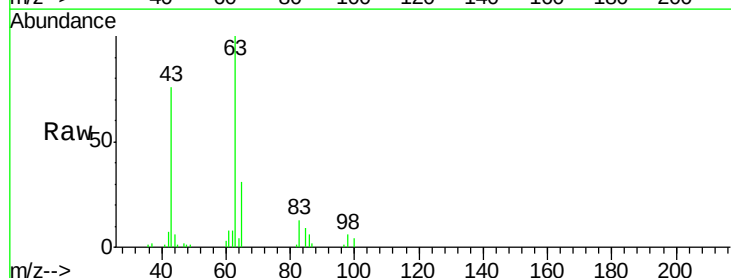
Tgt Ion: 63 Resp: 61597

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

100 3.5 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060912.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060912.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060912.D (-1165) (-)

5.82

25000

20000

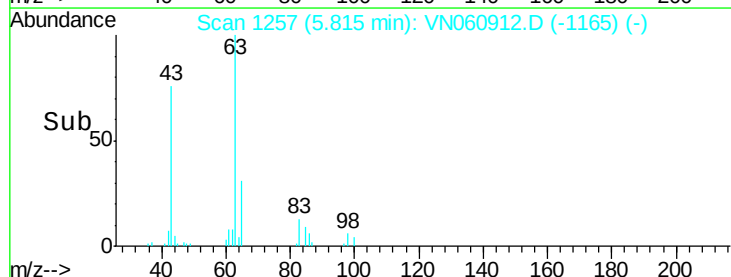
15000

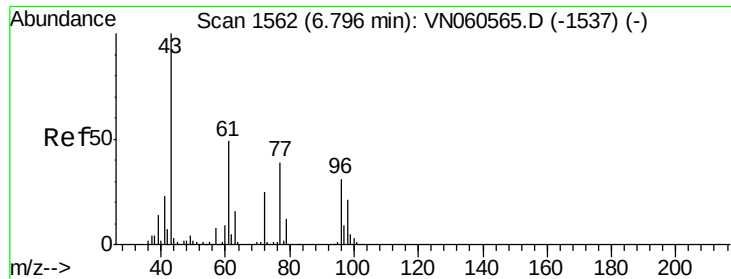
10000

5000

0

Time-->





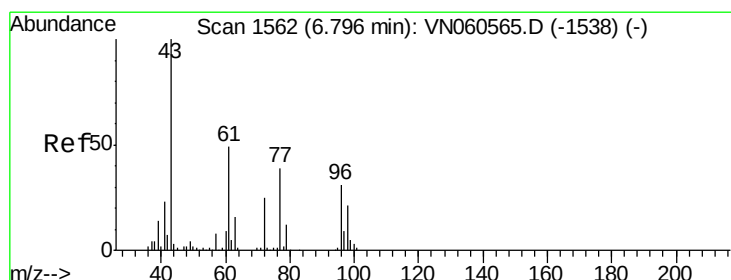
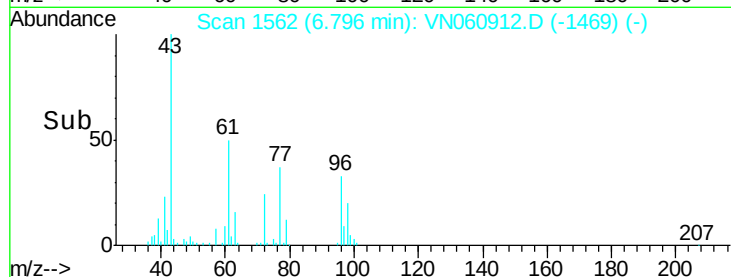
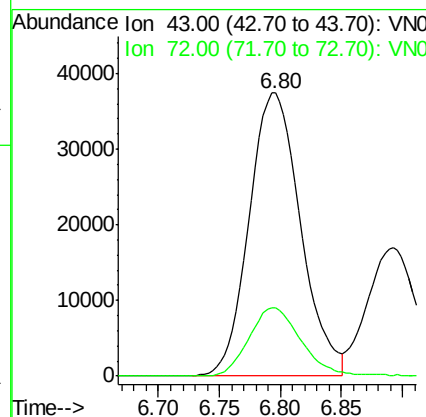
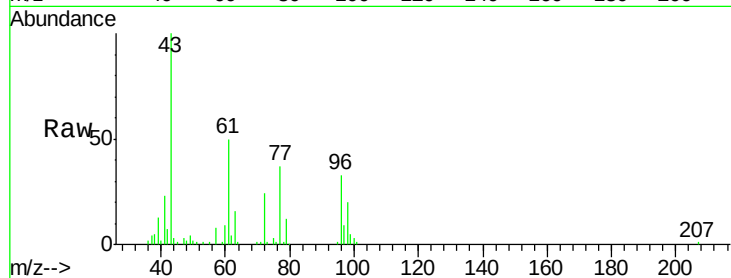
#25
2-Butanone
Concen: 99.256 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion: 43 Resp: 109481
Ion Ratio Lower Upper
43 100
72 24.2 20.4 30.6

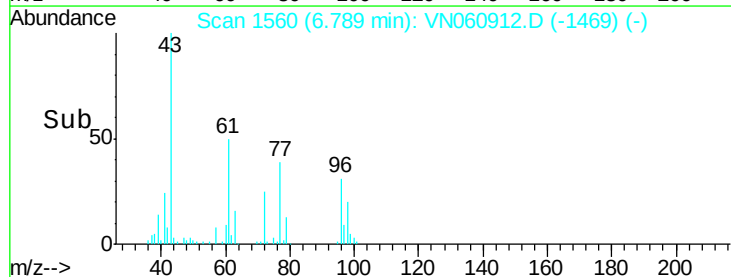
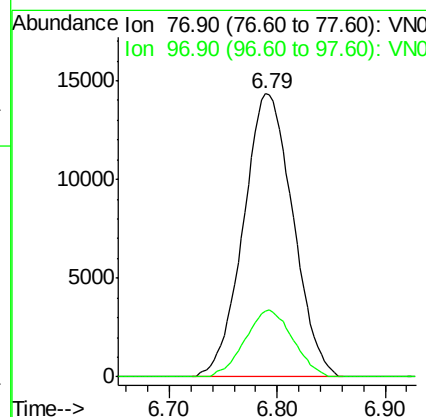
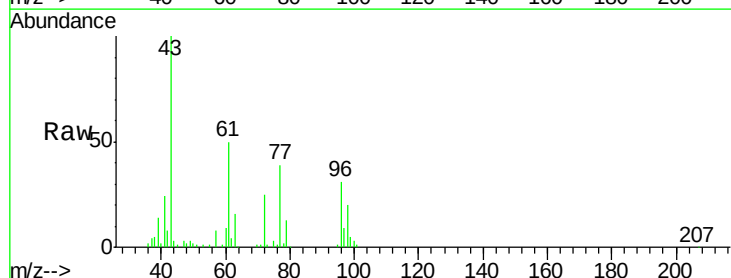
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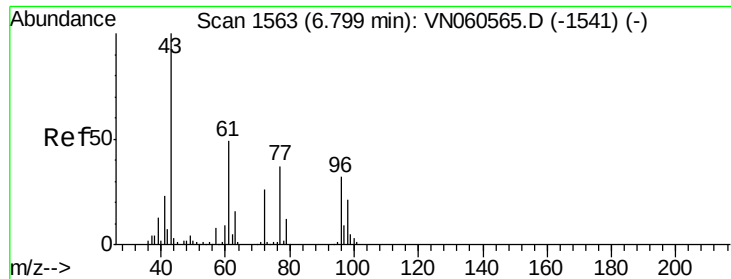
MMDadoda
4/14/2020 10:10:53 AM



#26
2,2-Dichloropropane
Concen: 18.920 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion: 77 Resp: 45764
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.511 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

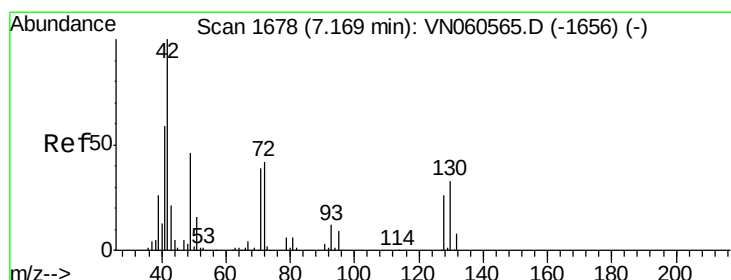
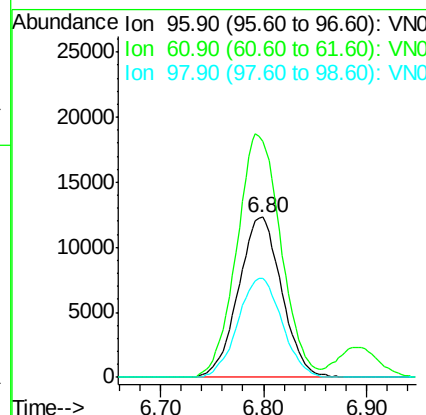
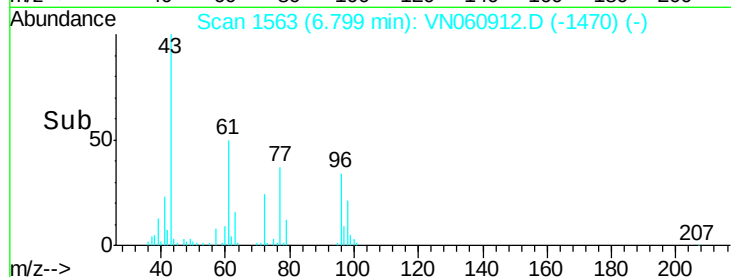
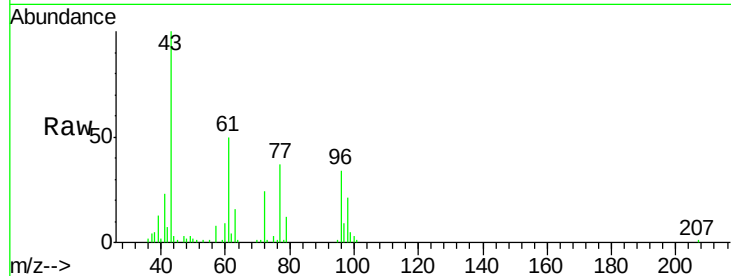
ClientSampleId :

VN0413WBS01

Tot Ion:	96	Resp:	35864
Ion	Ratio	Lower	Upper
96	100		
61	154.7	0.0	305.6
98	63.0	0.0	127.6

Manual Integrations
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MMDadoda
4/14/2020 10:10:53 AM



#28

Bromochloromethane

Concen: 23.762 ug/l

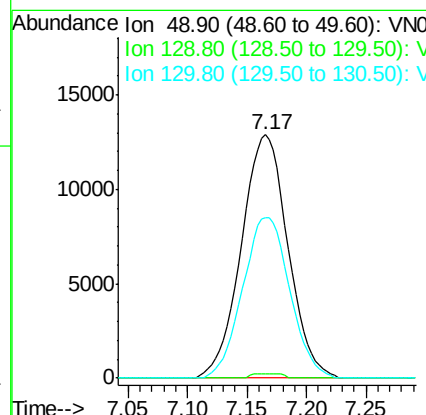
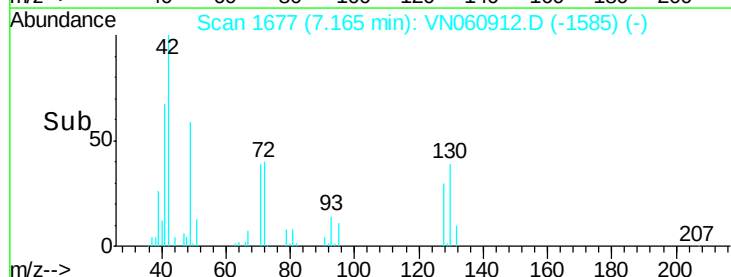
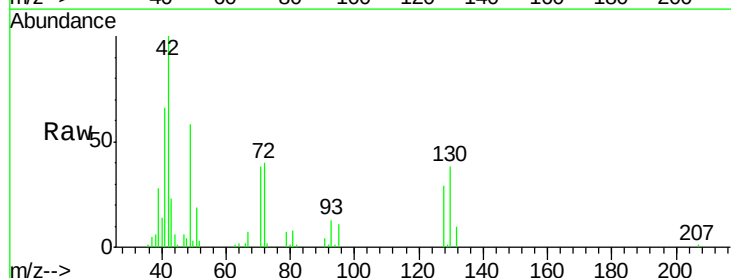
RT: 7.17 min Scan# 1677

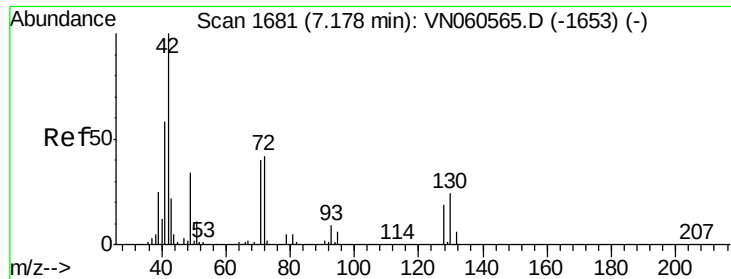
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	49	Resp:	34951
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.4
130	66.8	55.0	82.4





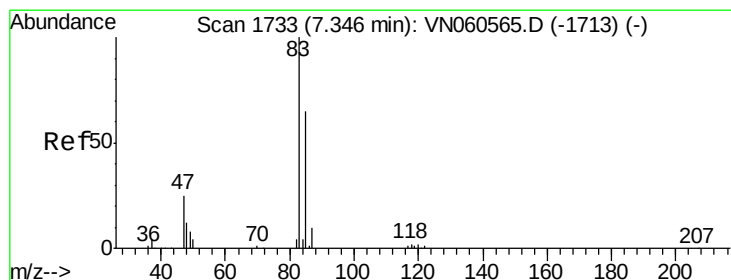
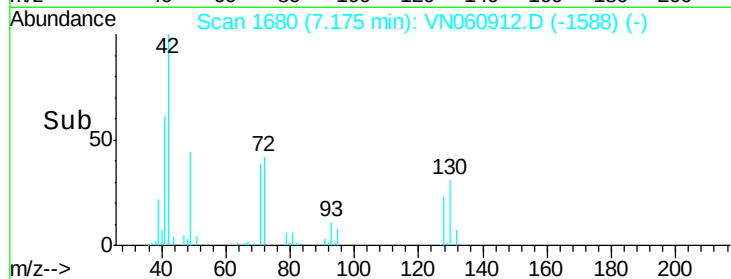
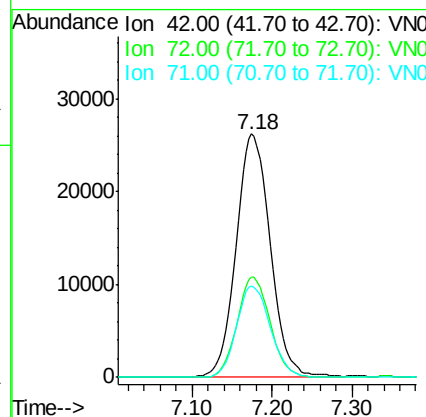
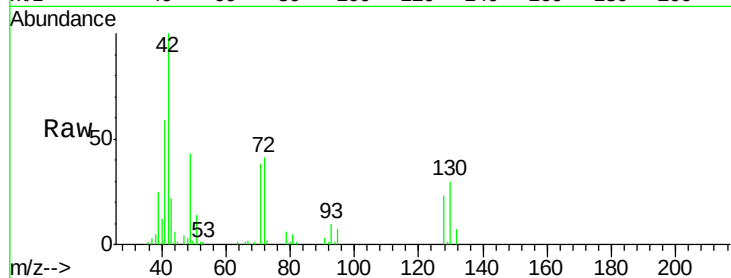
#29
Tetrahydrofuran
Concen: 97.433 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	33.2	49.8
71	37.0	31.1	46.7

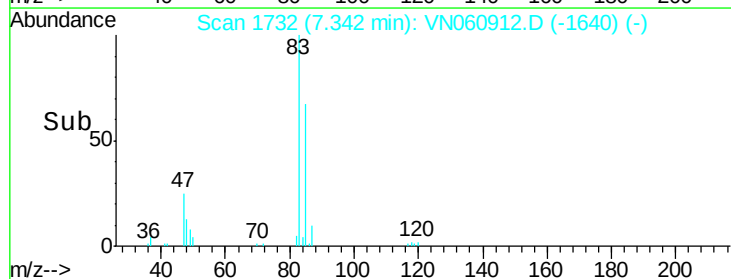
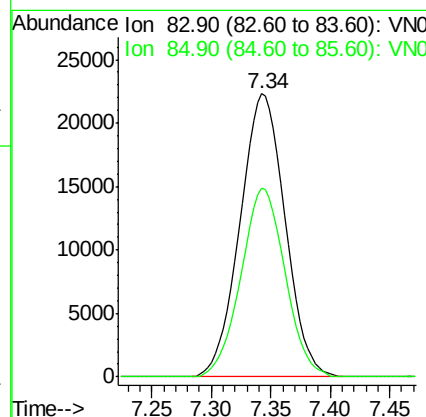
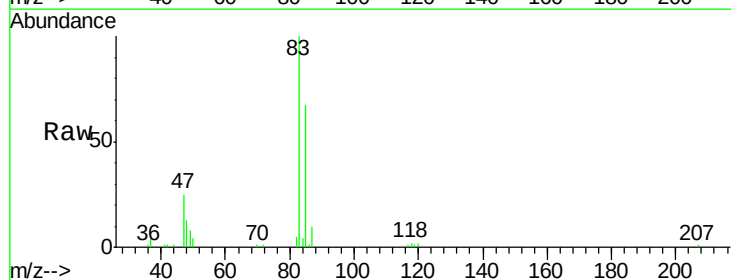
Manual Integrations
APPROVED

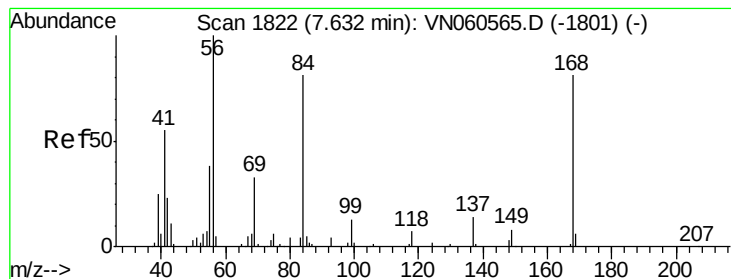
MMDadoda
4/14/2020 10:10:53 AM



#30
Chloroform
Concen: 19.856 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.8





#31

Cyclohexane

Concen: 16.354 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

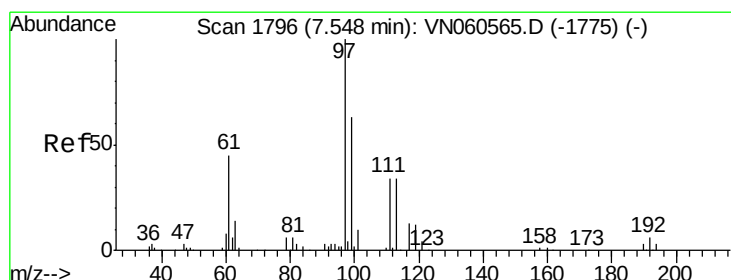
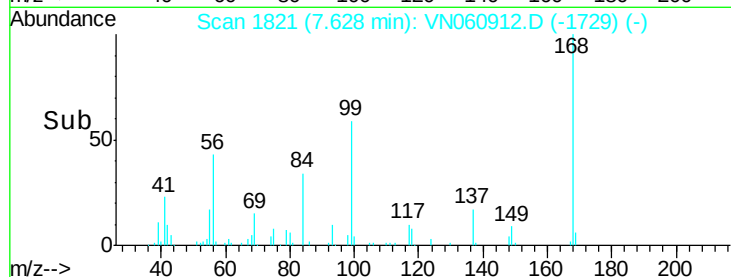
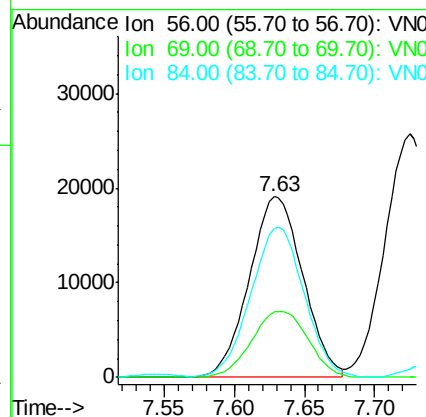
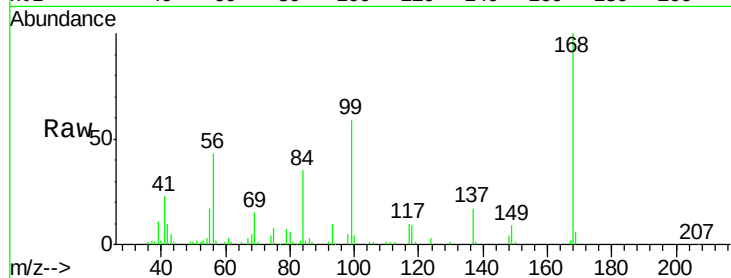
ClientSampleId :

VN0413WBS01

Tot Ion:	56	Resp:	50686
Ion Ratio	Lower	Upper	
56	100		
69	36.1	26.6	40.0
84	82.2	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:10:53 AM



#32

1,1,1-Trichloroethane

Concen: 18.350 ug/l

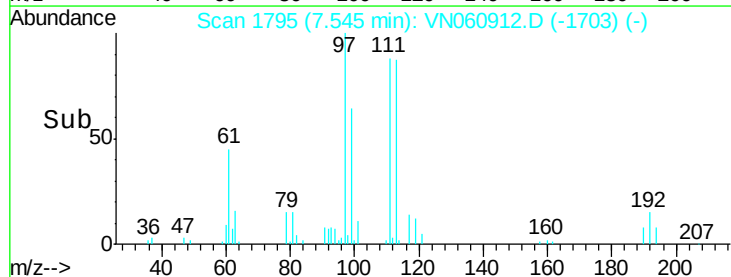
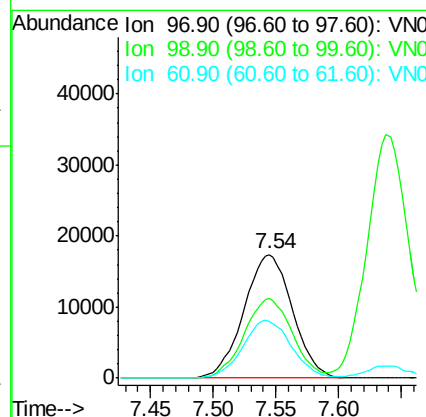
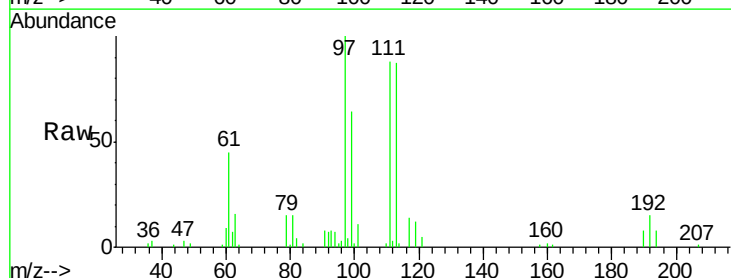
RT: 7.54 min Scan# 1795

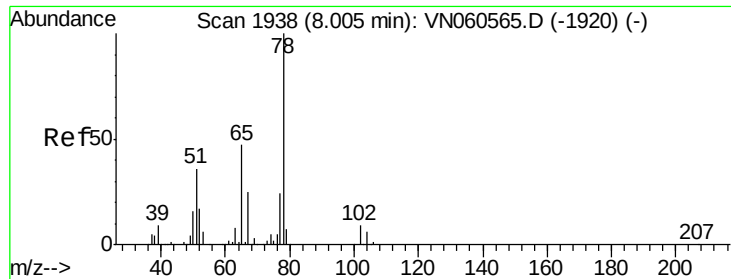
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	97	Resp:	46623
Ion Ratio	Lower	Upper	
97	100		
99	64.0	50.6	75.8
61	47.0	36.2	54.4





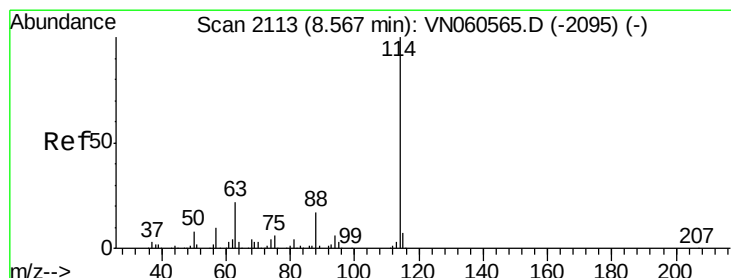
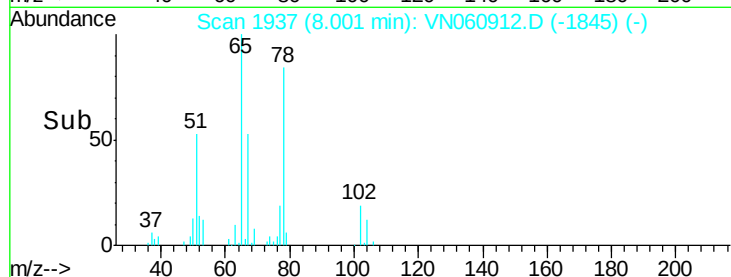
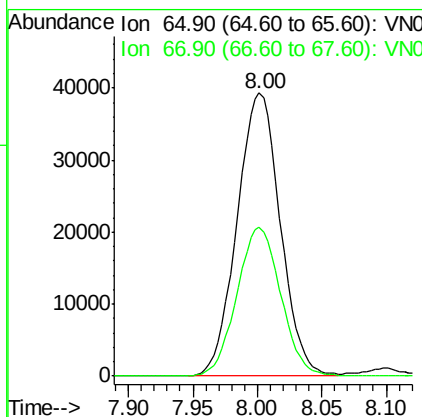
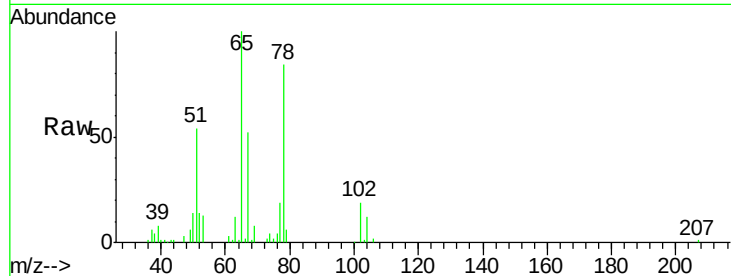
#33
 1,2-Dichloroethane-d4
 Concen: 47.700 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.6

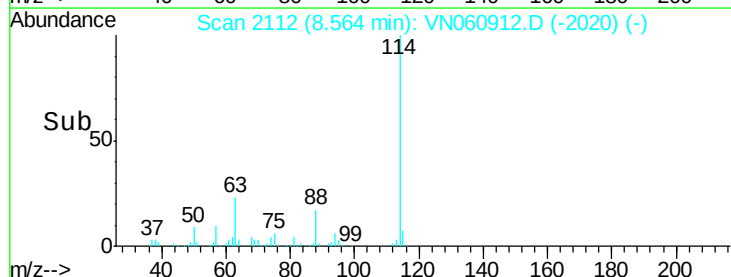
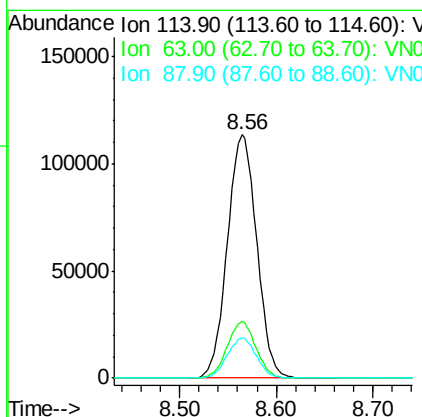
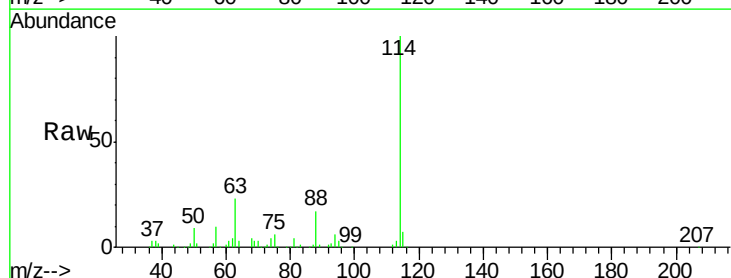
Manual Integrations
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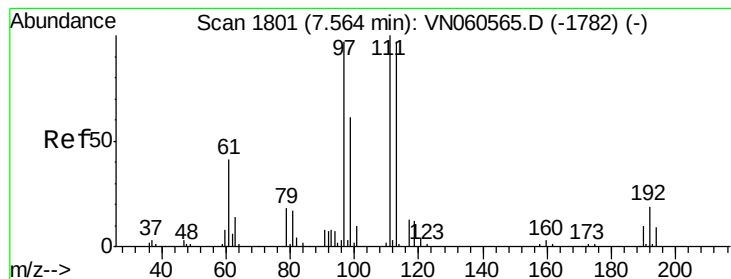
MMDadoda
 4/14/2020 10:10:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	43.8
88	16.5	0.0	33.0





#35

Dibromofluoromethane

Concen: 47.298 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

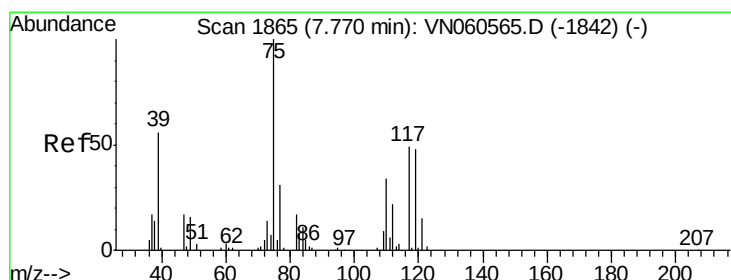
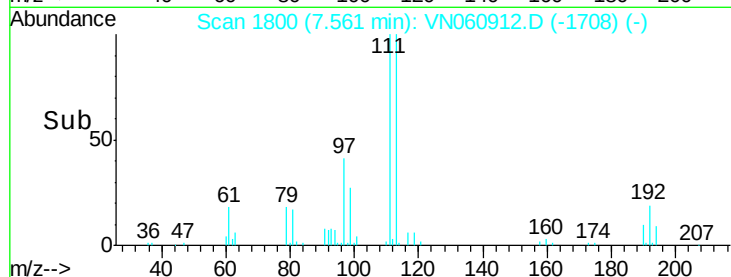
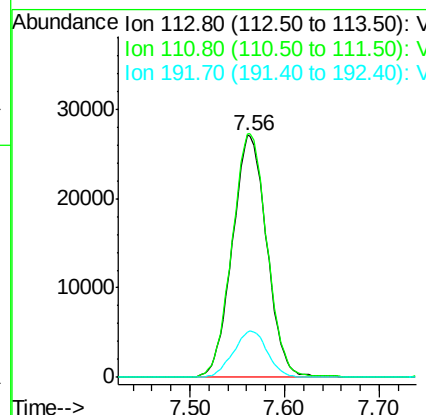
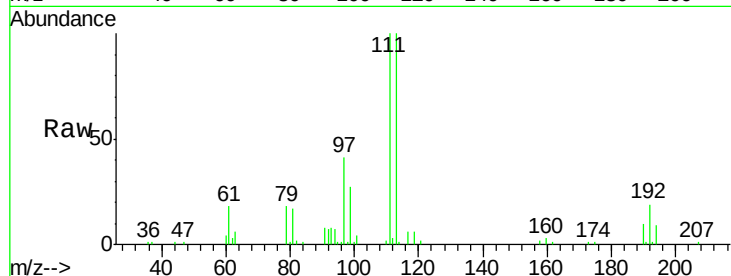
ClientSampleId :

VN0413WBS01

Tot Ion:	113	Resp:	68529
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.9	124.3
192	18.9	15.8	23.8

Manual Integrations
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4/14/2020 10:10:53 AM



#36

1,1-Dichloropropene

Concen: 17.320 ug/l

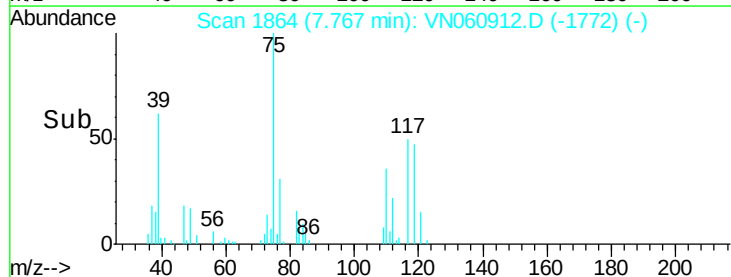
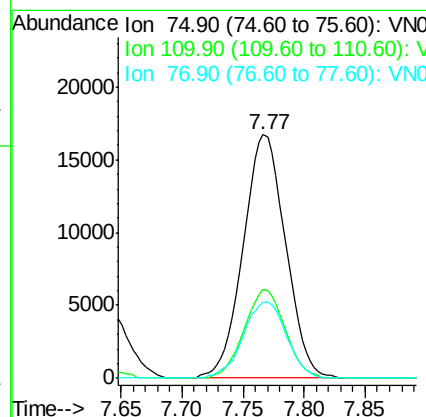
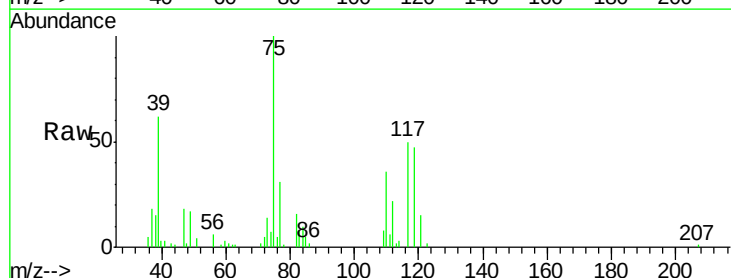
RT: 7.77 min Scan# 1864

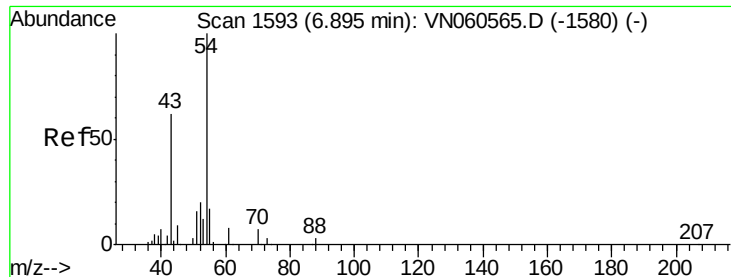
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	75	Resp:	40186
Ion	Ratio	Lower	Upper
75	100		
110	34.9	16.9	50.6
77	31.9	24.6	36.8





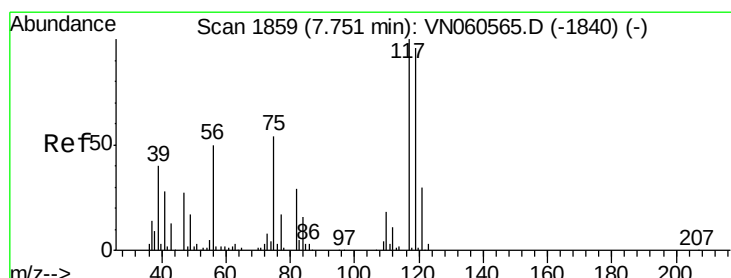
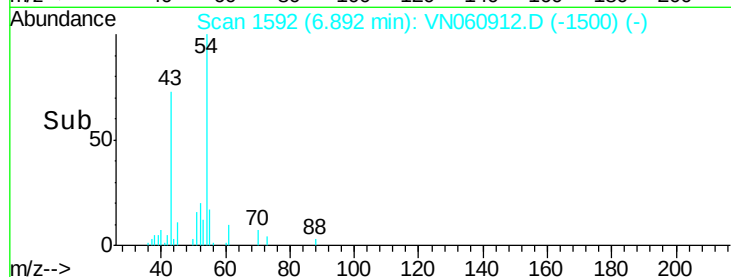
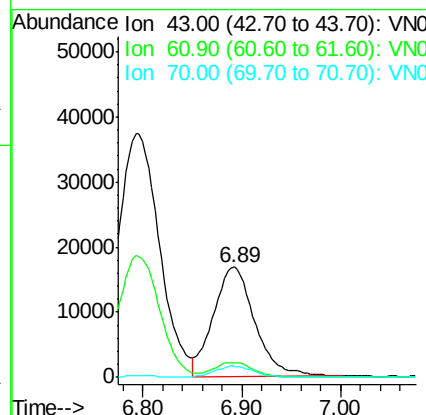
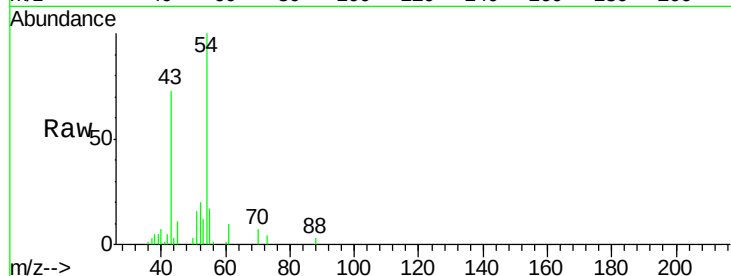
#37
Ethyl Acetate
Concen: 19.673 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampled :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.4	7.9	11.9

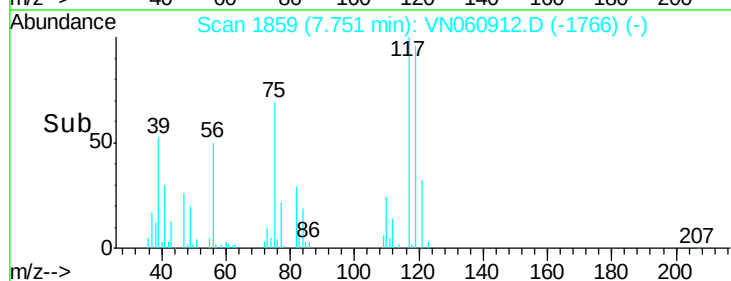
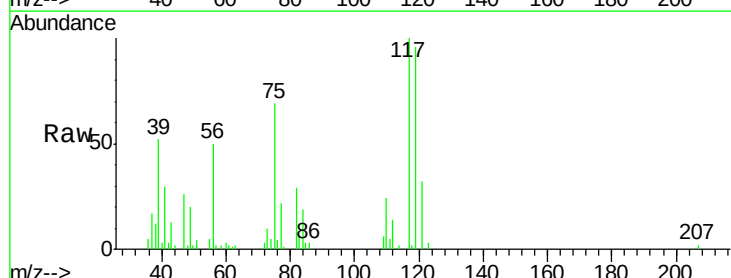
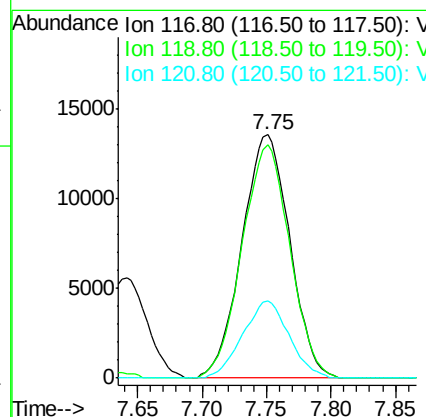
Manual Integrations
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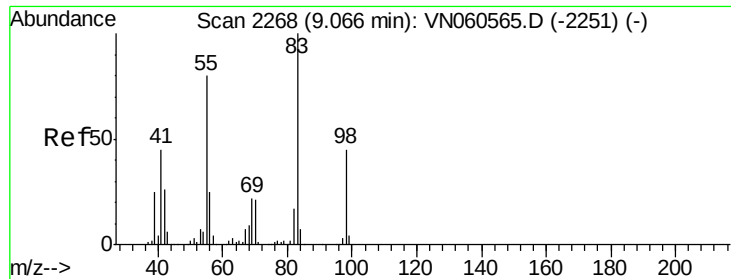
MMDadoda
4/14/2020 10:10:53 AM



#38
Carbon Tetrachloride
Concen: 16.826 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.2
121	31.7	23.7	35.5





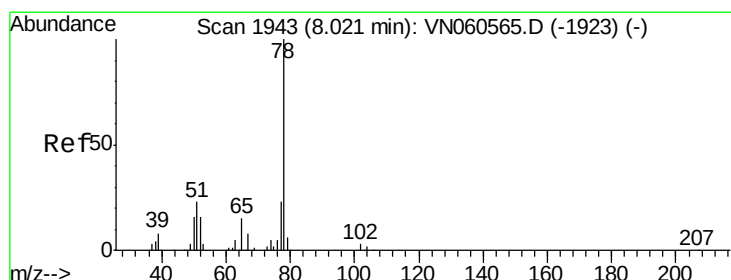
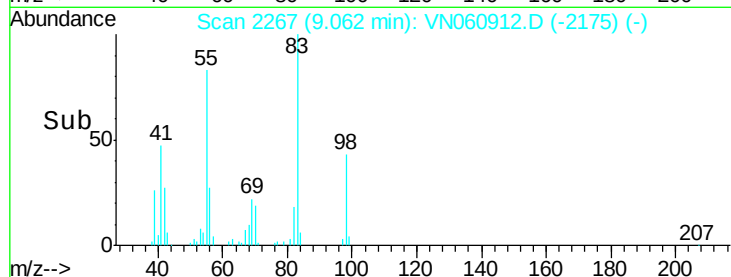
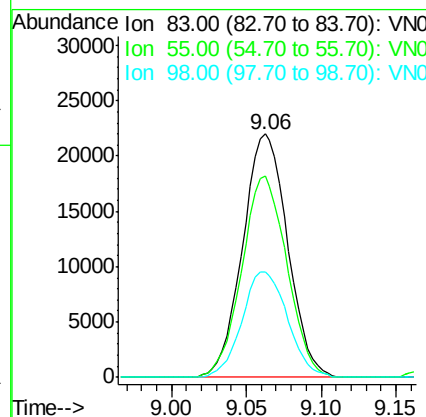
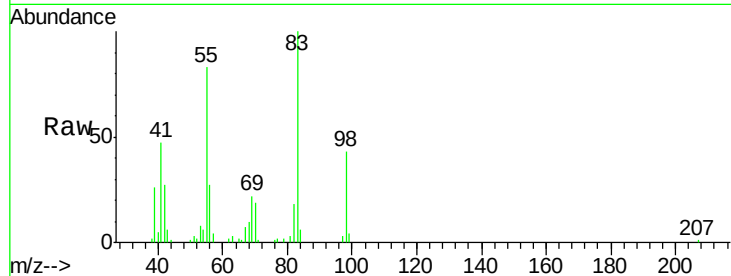
#39
Methylvlcyclohexane
Concen: 16.679 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.6	63.6	95.4
98	43.2	36.0	54.0

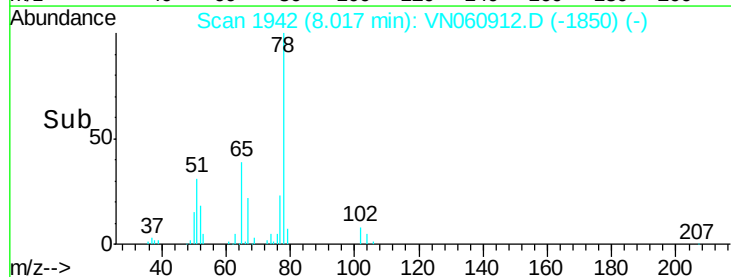
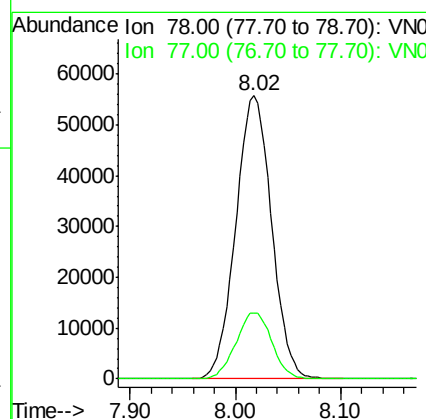
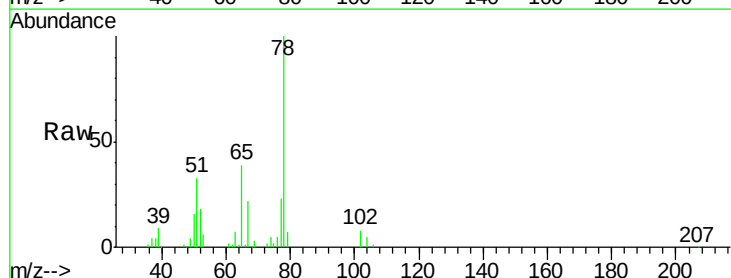
Manual Integrations
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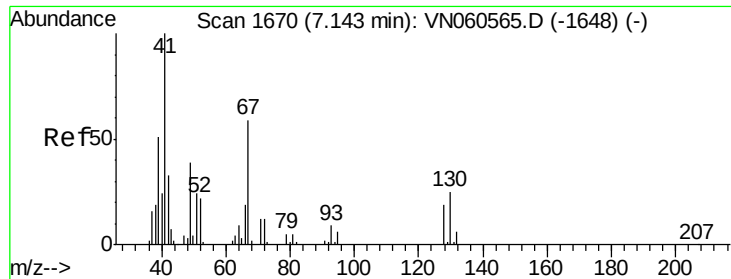
MMDadoda
4/14/2020 10:10:53 AM



#40
Benzene
Concen: 18.732 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0





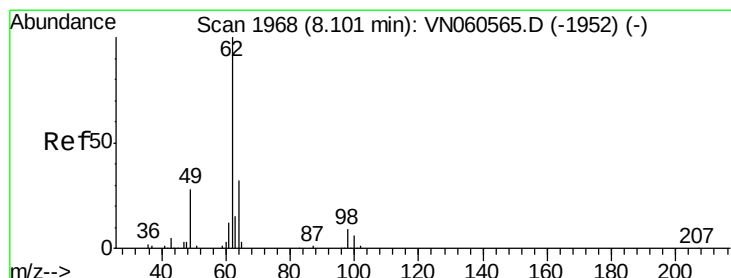
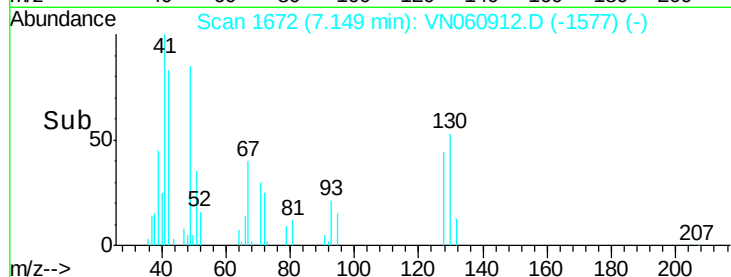
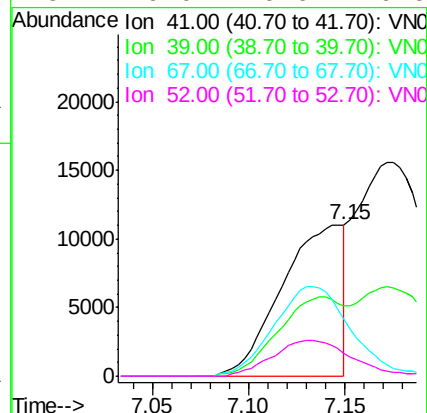
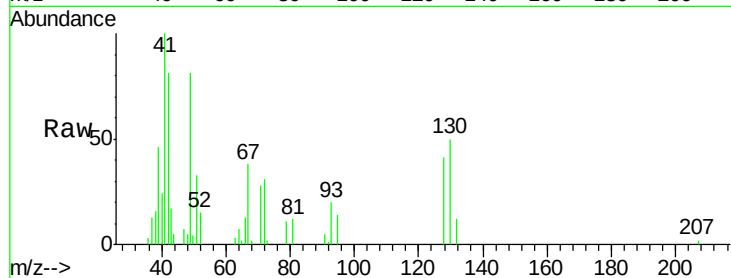
#41
Methacrylonitrile
Concen: 23.071 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	41	Resp	24684
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

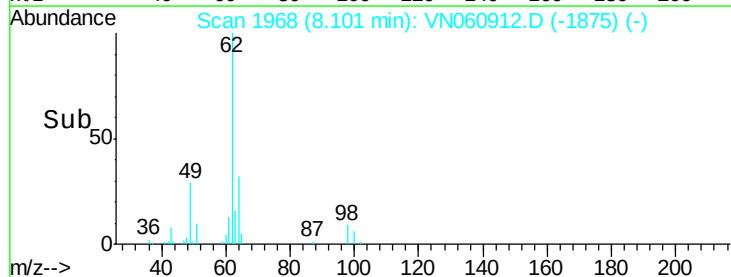
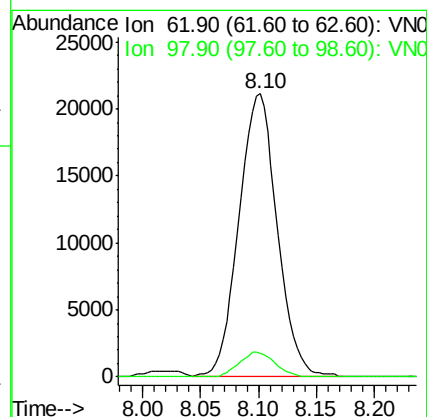
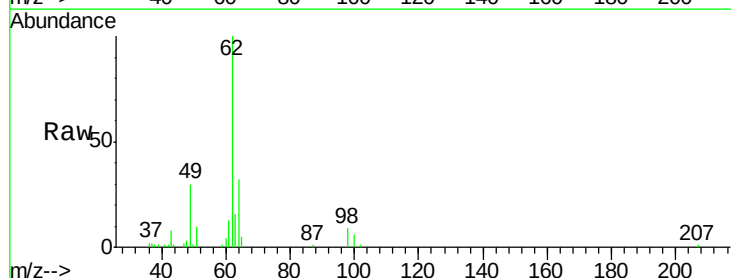
Manual Integrations
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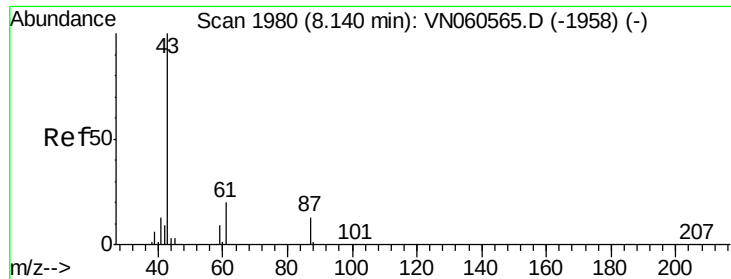
MMDadoda
4/14/2020 10:10:53 AM



#42
1,2-Dichloroethane
Concen: 20.290 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	62	Resp	48569
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	17.8





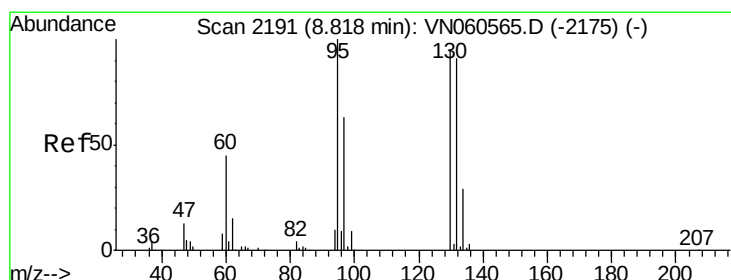
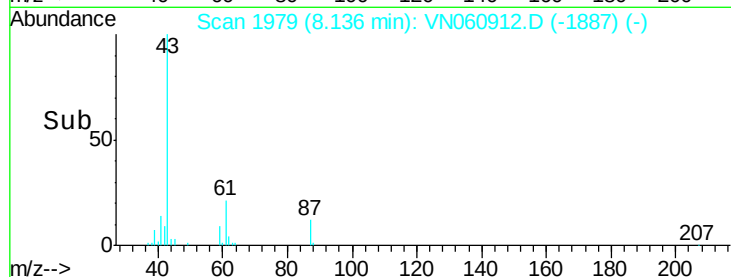
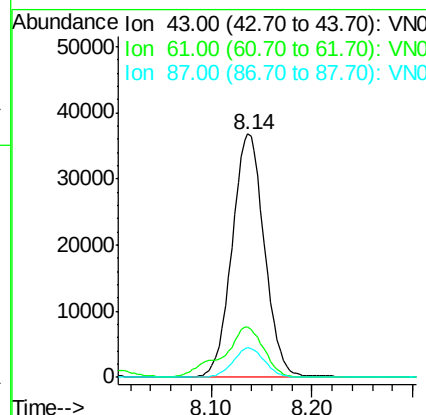
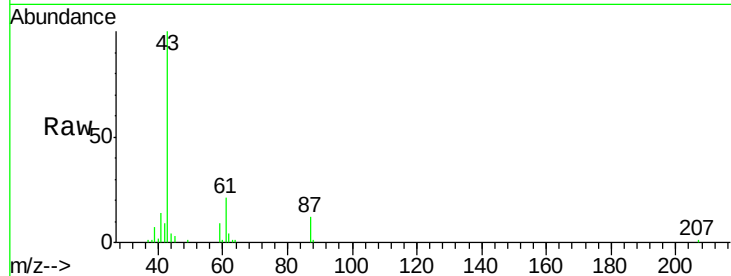
#43
Isopropyl Acetate
Concen: 19.836 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.7	31.1
87	11.9	9.8	14.8

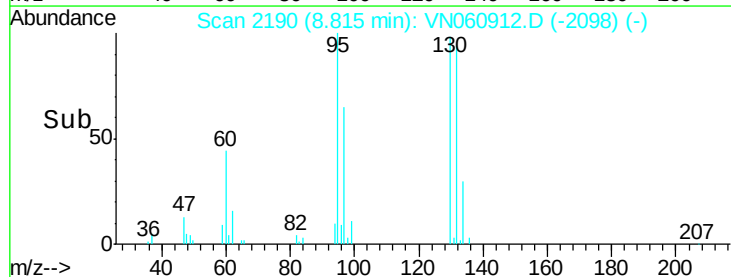
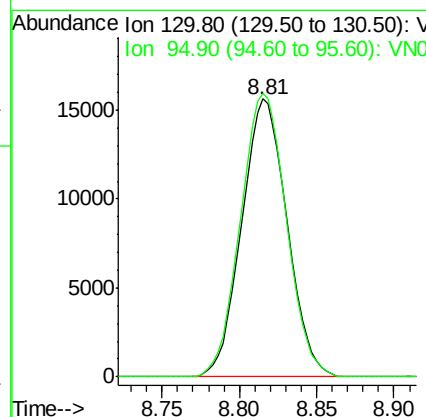
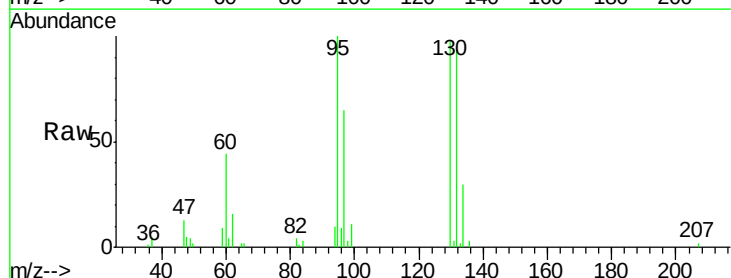
Manual Integrations
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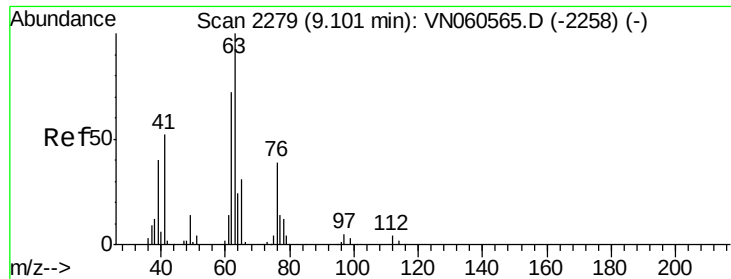
MMDadoda
4/14/2020 10:10:53 AM



#44
Trichloroethene
Concen: 18.016 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	211.2





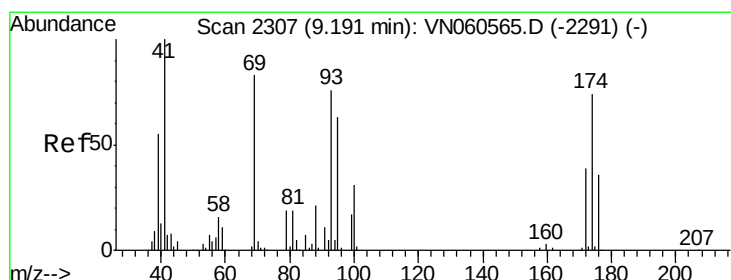
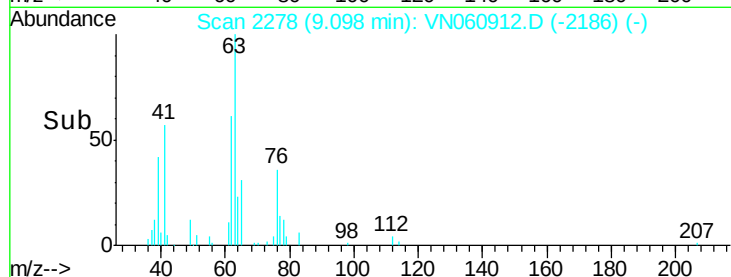
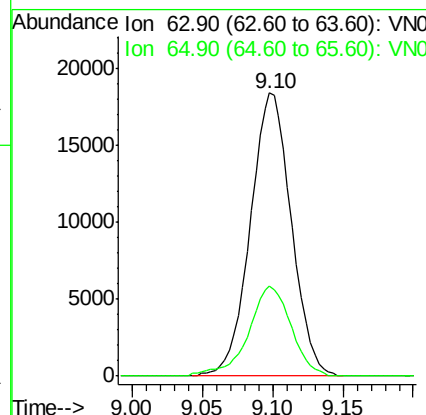
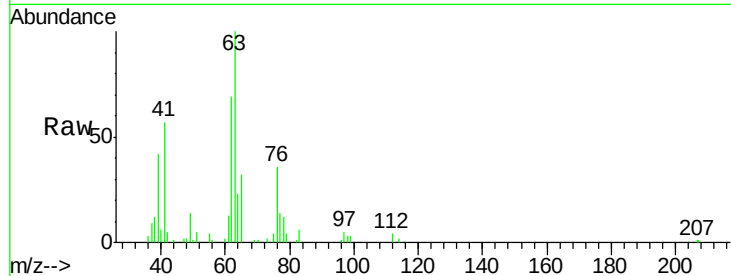
#45
 1,2-Dichloropropane
 Concen: 20.164 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.4	38.0

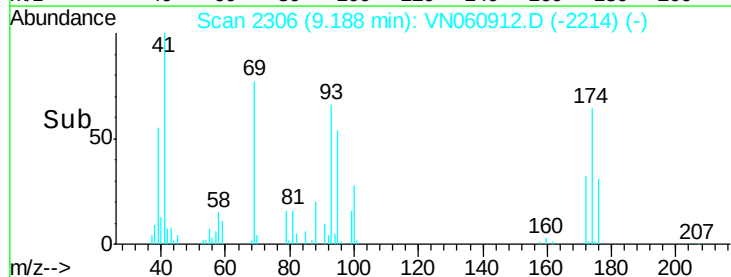
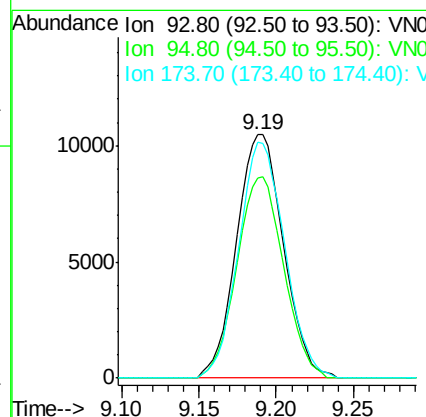
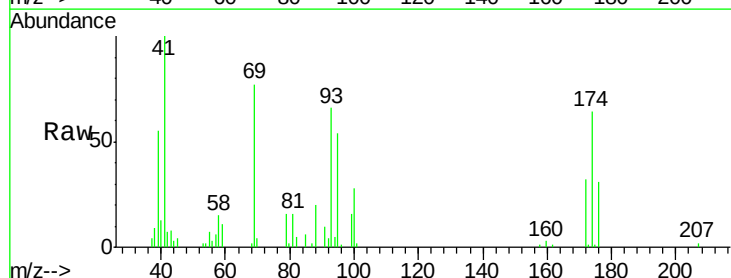
Manual Integrations
 APPROVED

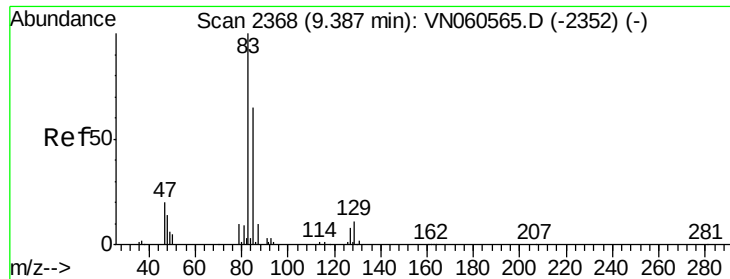
MMDadoda
 4/14/2020 10:10:53 AM



#46
 Dibromomethane
 Concen: 19.773 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.2	99.4
174	95.3	77.9	116.9





#47

Bromodichloromethane

Concen: 19.738 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

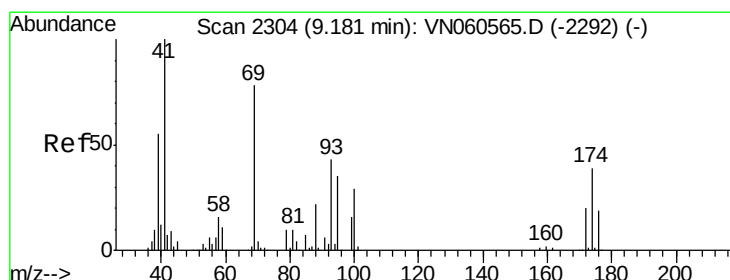
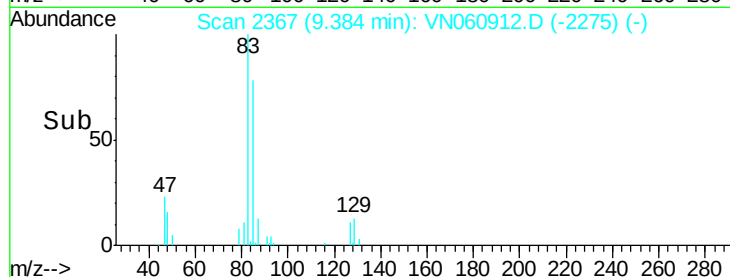
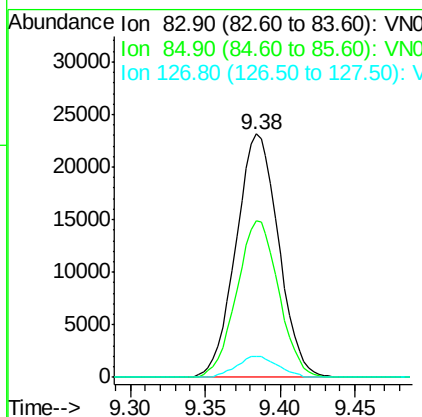
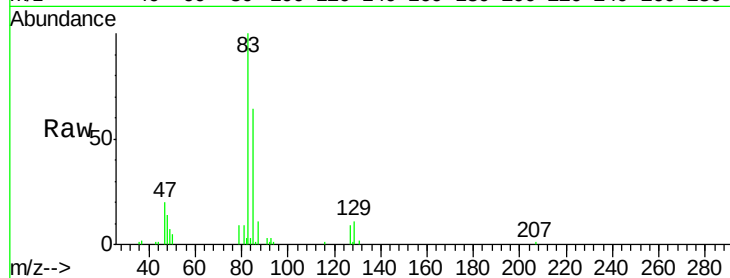
ClientSampleId :

VN0413WBS01

Tot Ion:	83	Resp:	45828
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6
127	8.7	6.5	9.7

Manual Integrations
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MMDadoda
4/14/2020 10:10:53 AM



#48

Methyl methacrylate

Concen: 19.190 ug/l

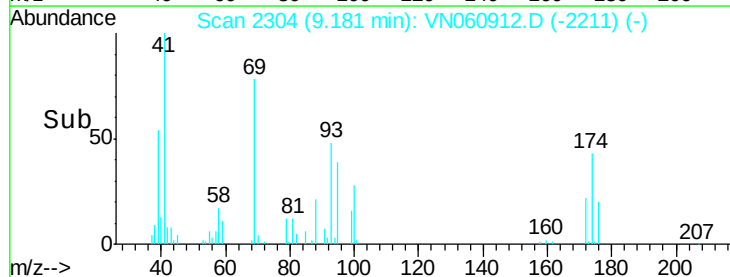
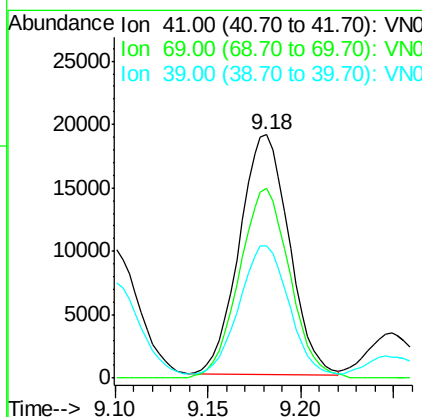
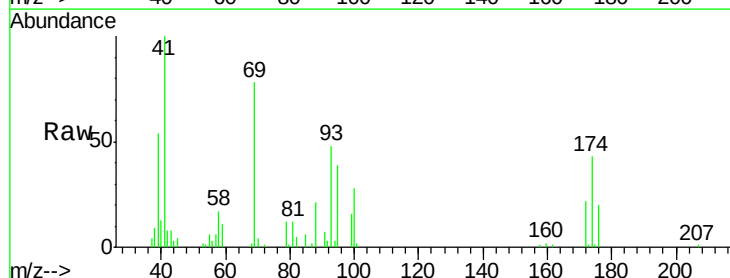
RT: 9.18 min Scan# 2304

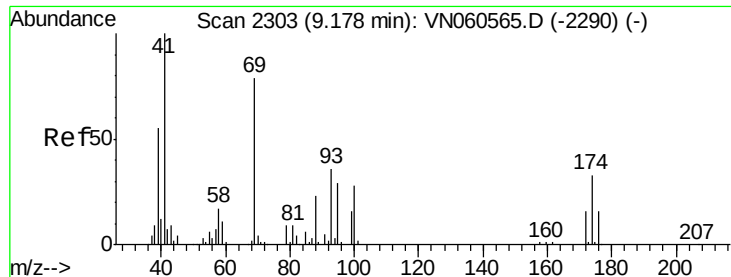
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	41	Resp:	35326
Ion	Ratio	Lower	Upper
41	100		
69	79.8	65.4	98.0
39	56.5	44.0	66.0





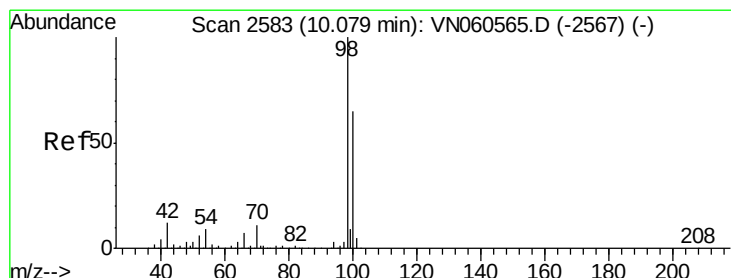
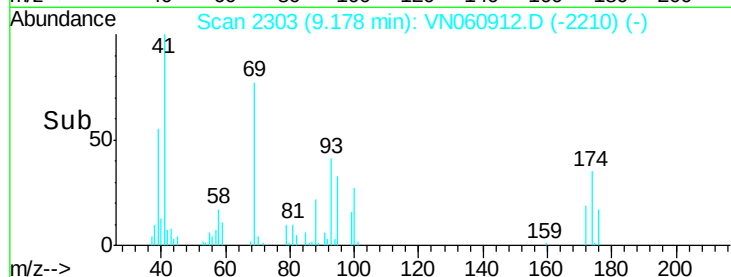
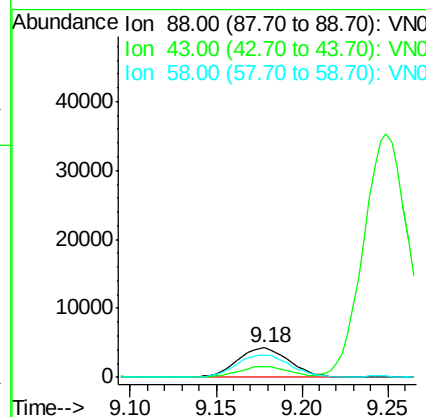
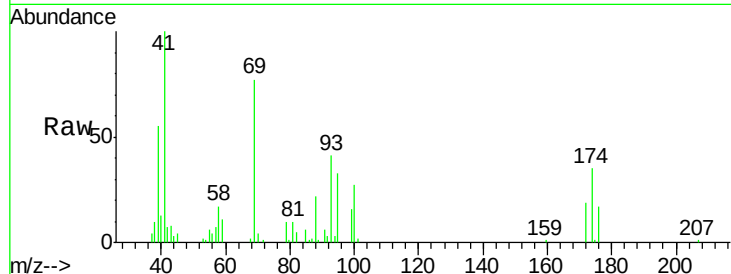
#49
1,4-Dioxane
Concen: 409.268 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	30.8	46.2
58	76.8	59.8	89.8

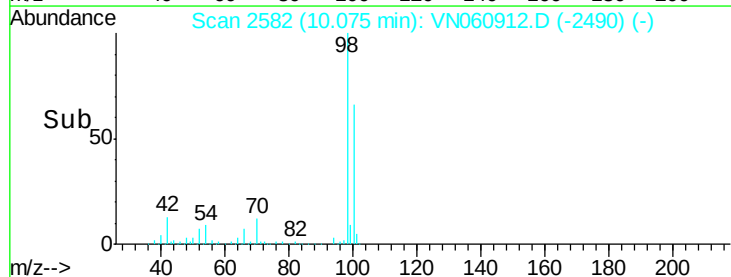
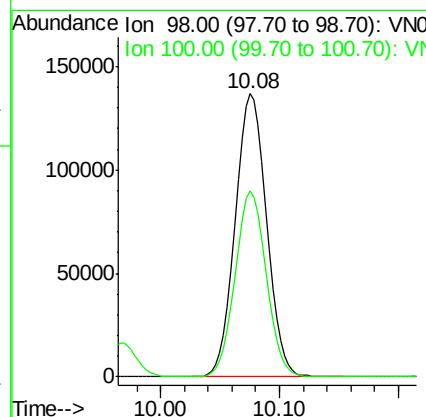
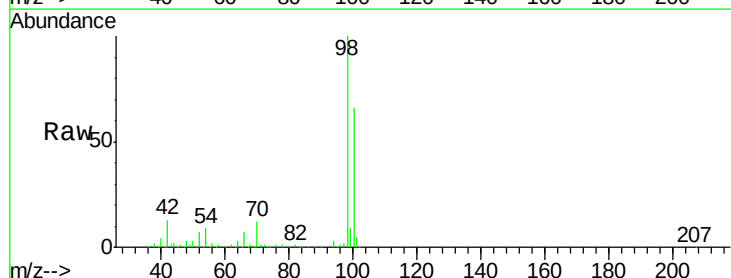
Manual Integrations
APPROVED

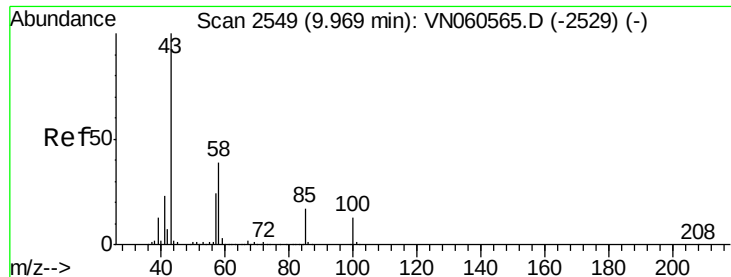
MMDadoda
4/14/2020 10:10:53 AM



#50
Toluene-d8
Concen: 42.274 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 100.261 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 43 Resp: 235891

Ion Ratio Lower Upper

43 100

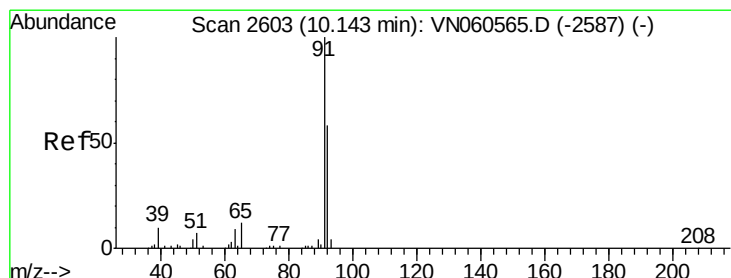
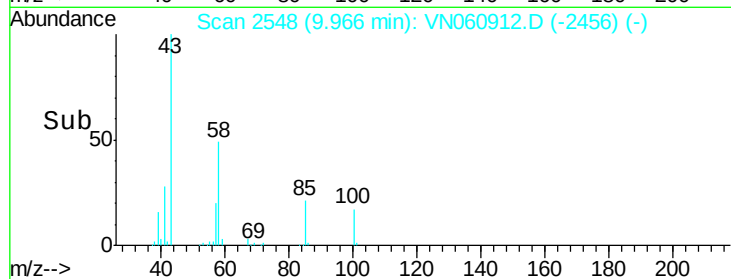
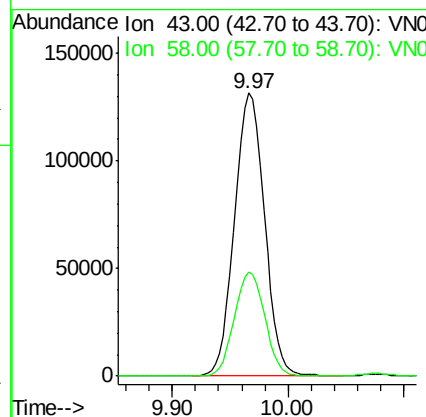
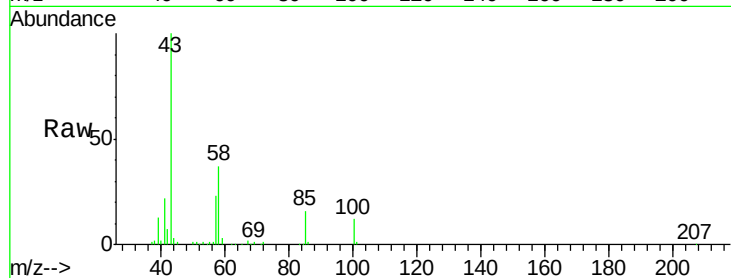
58 37.3 30.8 46.2

Manual Integrations

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MMDadoda

4/14/2020 10:10:53 AM



#52

Toluene

Concen: 18.165 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060912.D

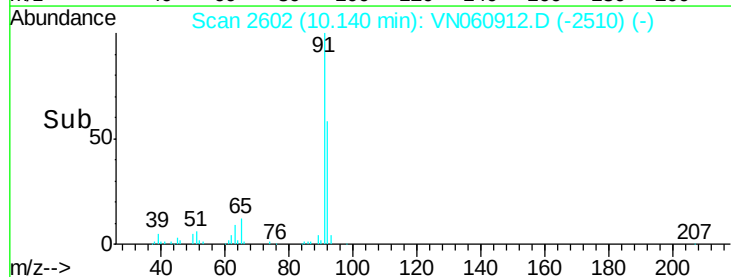
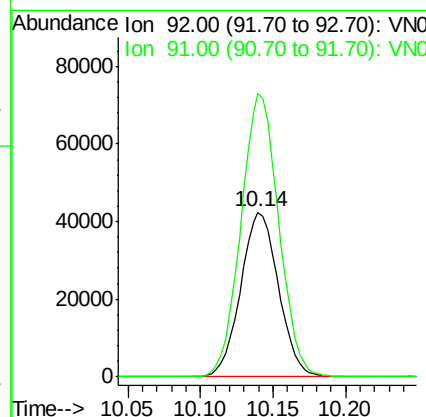
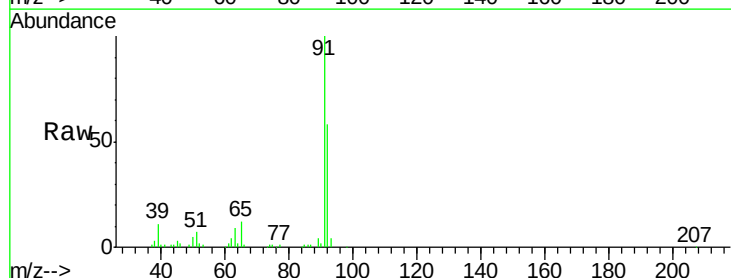
Acq: 13 Apr 2020 20:57

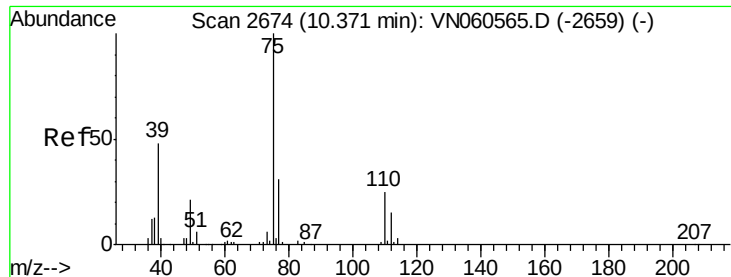
Tgt Ion: 92 Resp: 76839

Ion Ratio Lower Upper

92 100

91 172.0 137.6 206.4





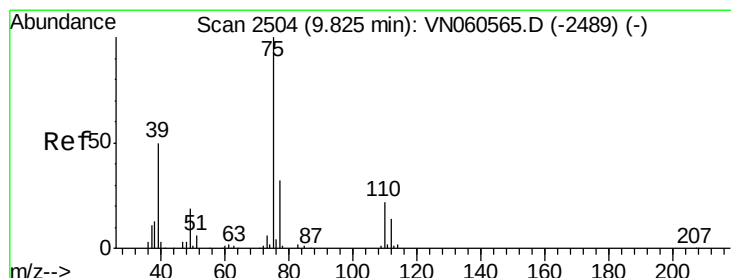
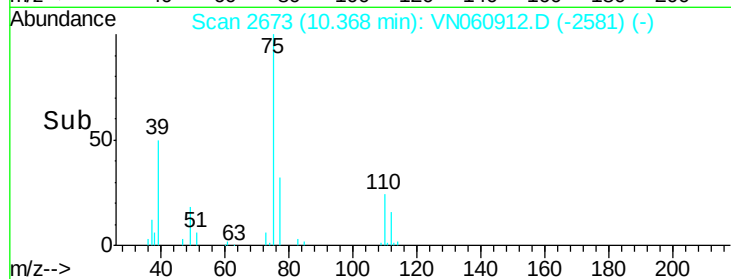
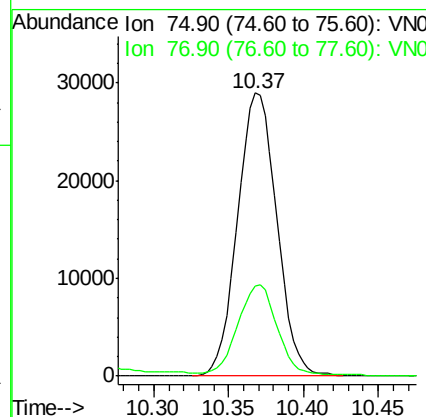
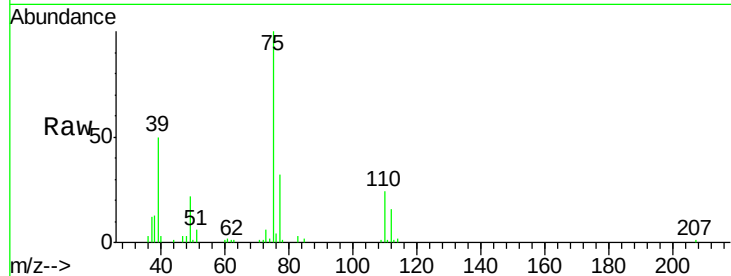
#53
t-1,3-Dichloropropene
Concen: 19.861 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.1	37.7

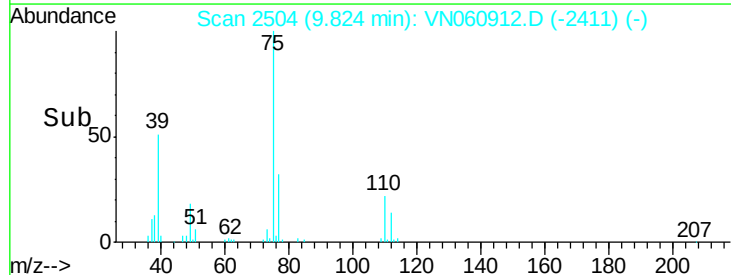
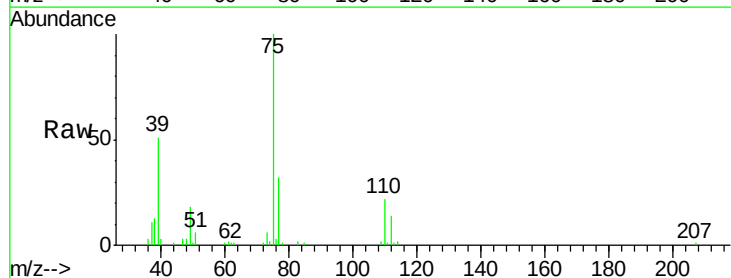
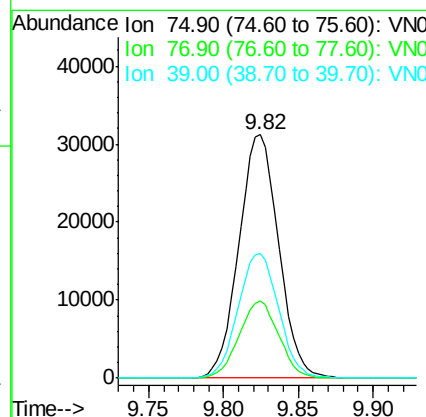
Manual Integrations
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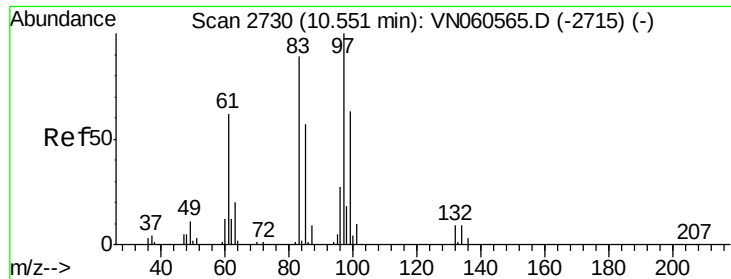
MMDadoda
4/14/2020 10:10:53 AM



#54
cis-1,3-Dichloropropene
Concen: 19.758 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	51.2	40.2	60.4





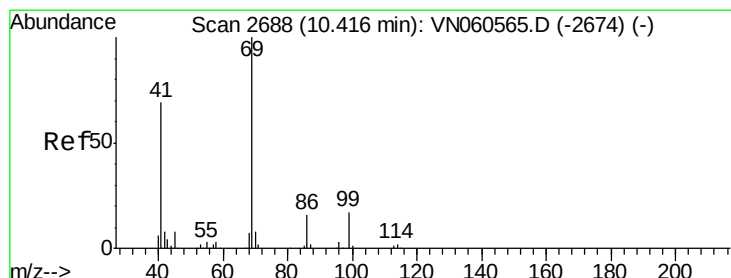
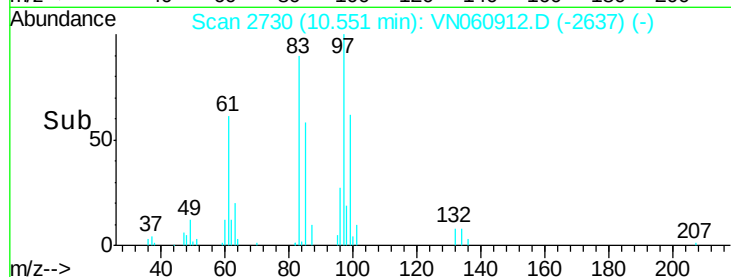
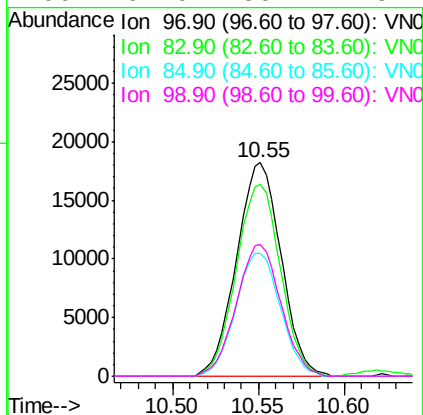
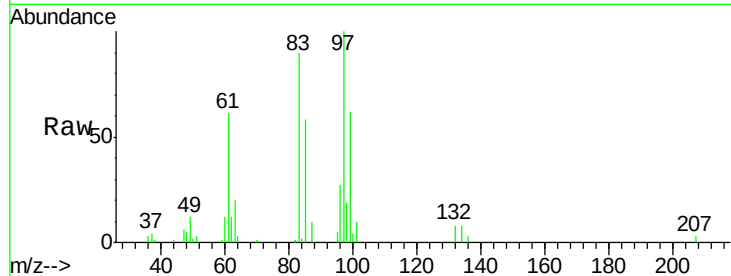
#55
 1,1,2-Trichloroethane
 Concen: 20.091 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion:	97	Resp:	32695
Ion	Ratio	Lower	Upper
97	100		
83	90.2	71.3	106.9
85	57.8	45.2	67.8
99	62.0	50.1	75.1

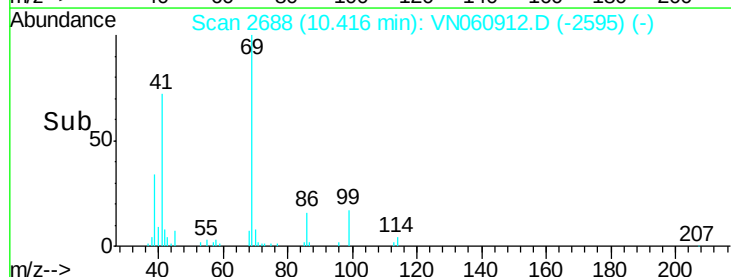
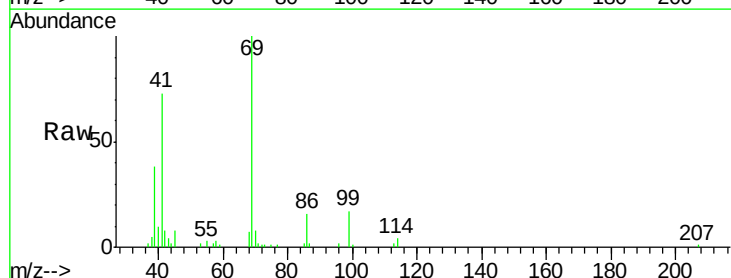
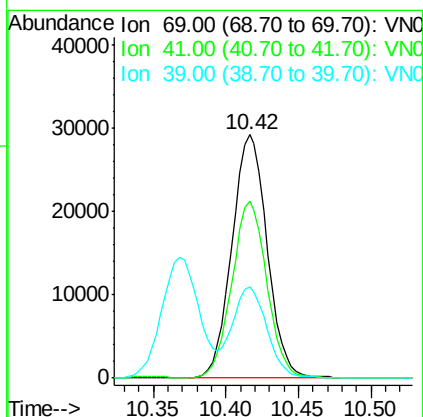
Manual Integrations
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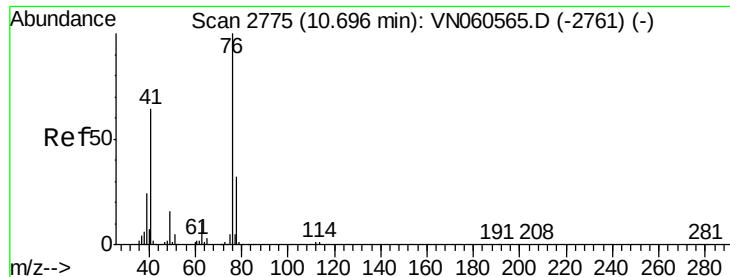
MMDadoda
 4/14/2020 10:10:53 AM



#56
 Ethyl methacrylate
 Concen: 19.448 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion:	69	Resp:	49349
Ion	Ratio	Lower	Upper
69	100		
41	72.3	55.4	83.2
39	37.3	29.4	44.0





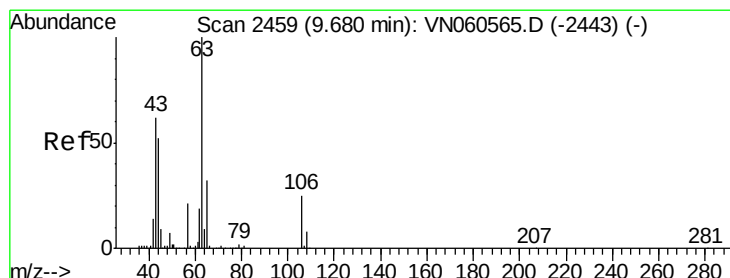
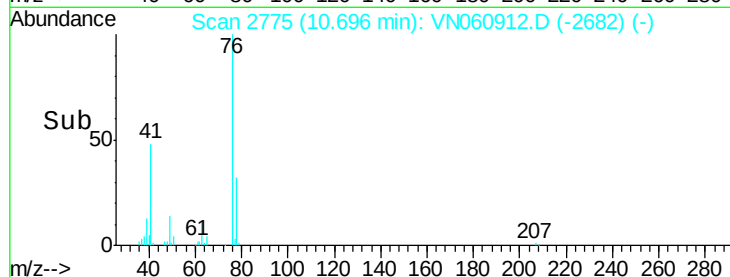
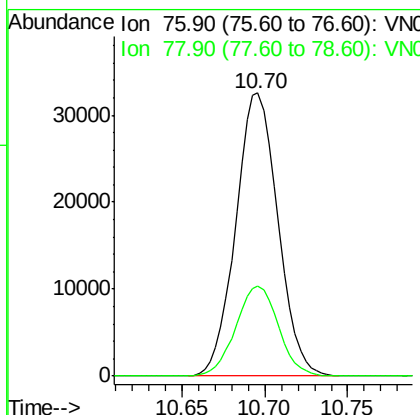
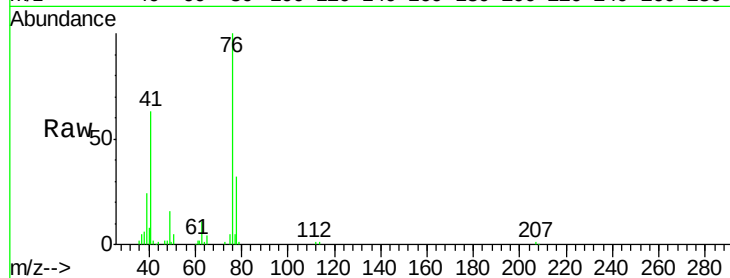
#57
 1,3-Dichloropropane
 Concen: 20.409 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

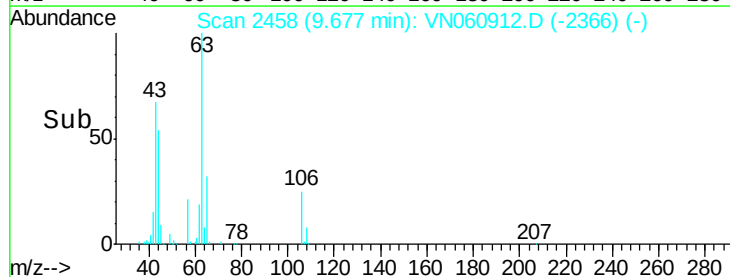
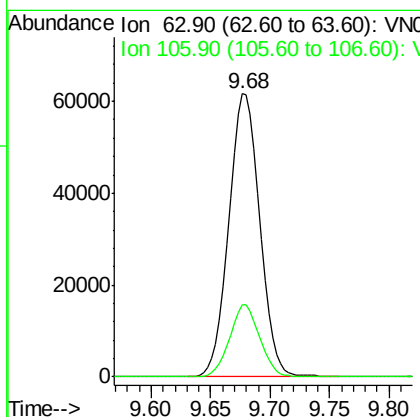
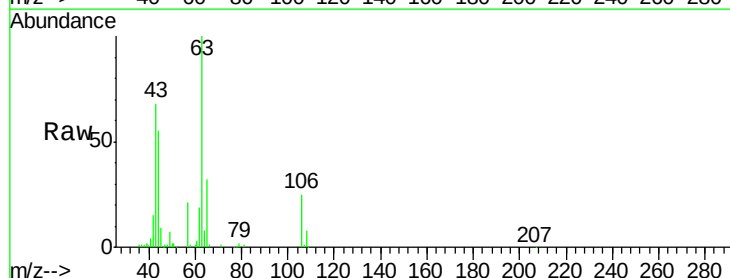
Manual Integrations
 APPROVED

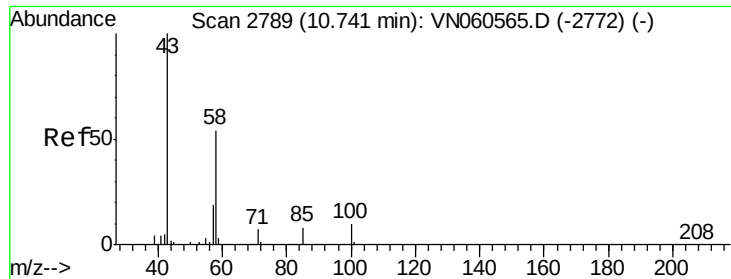
MMDadoda
 4/14/2020 10:10:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.363 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	20.0	30.0





#59

2-Hexanone

Concen: 96.220 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

Tot Ion: 43 Resp: 163076

Ion Ratio Lower Upper

43 100

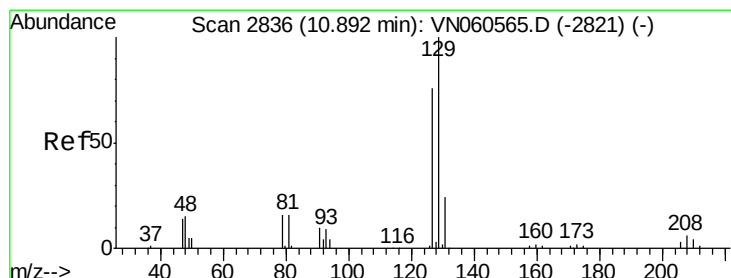
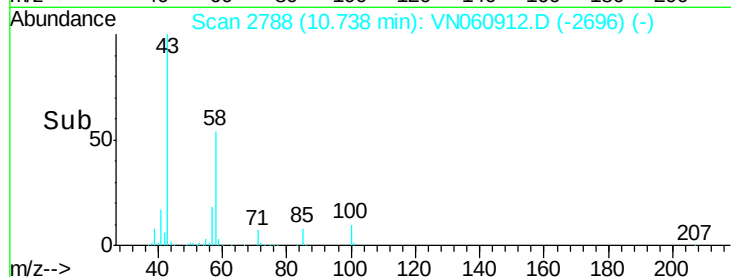
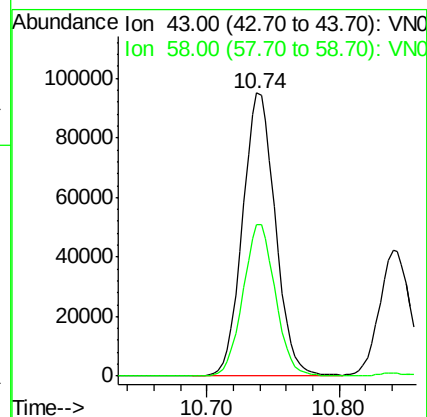
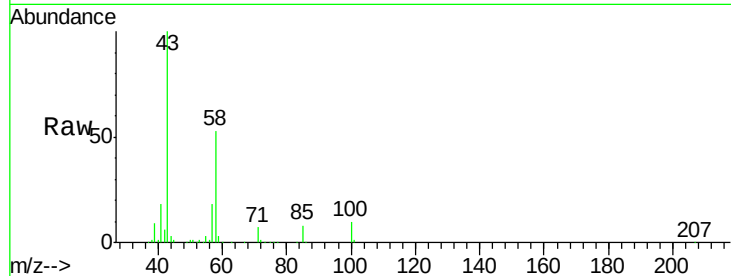
58 52.9 26.7 80.1

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:10:53 AM



#60

Dibromochloromethane

Concen: 19.416 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060912.D

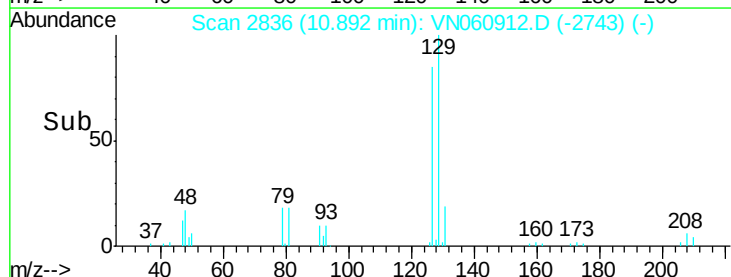
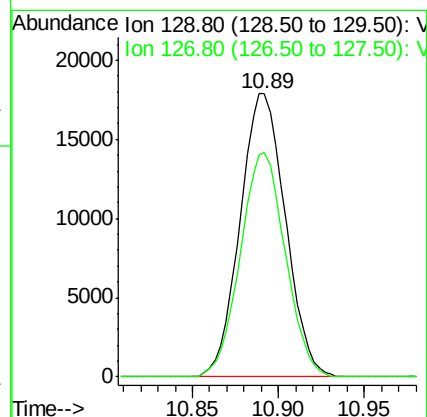
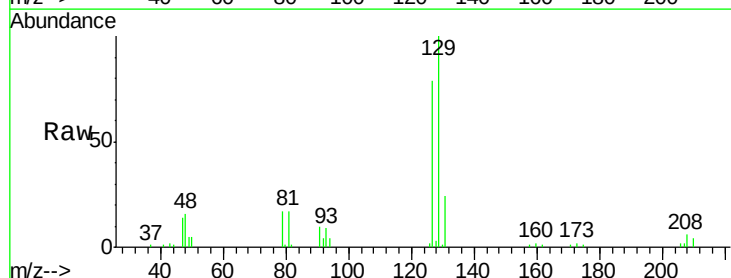
Acq: 13 Apr 2020 20:57

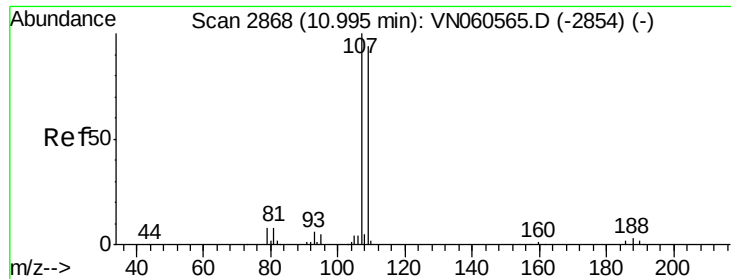
Tgt Ion: 129 Resp: 32638

Ion Ratio Lower Upper

129 100

127 78.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.526 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion:107 Resp: 31952

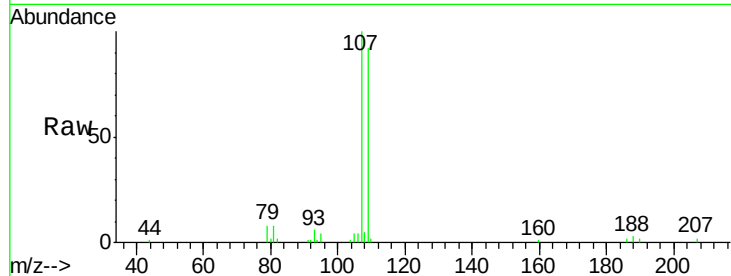
Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.2

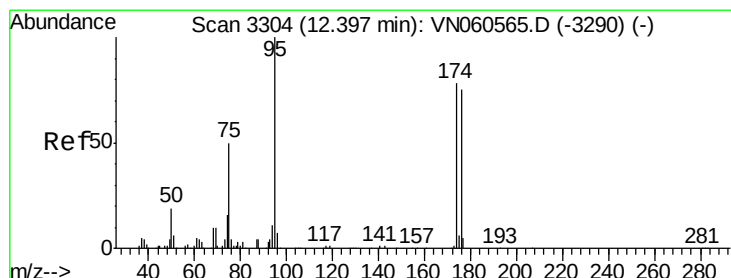
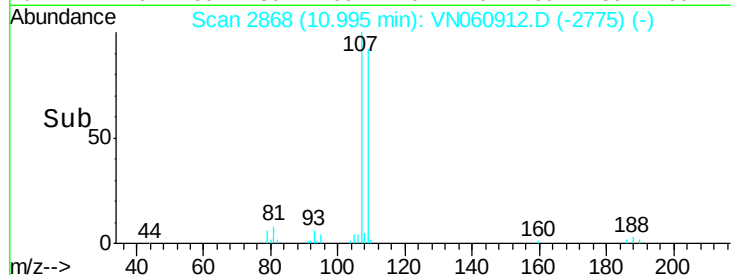
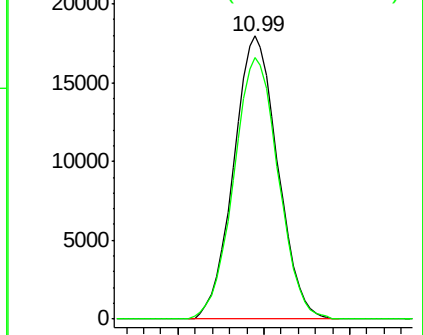
Manual Integrations
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4/14/2020 10:10:53 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.347 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

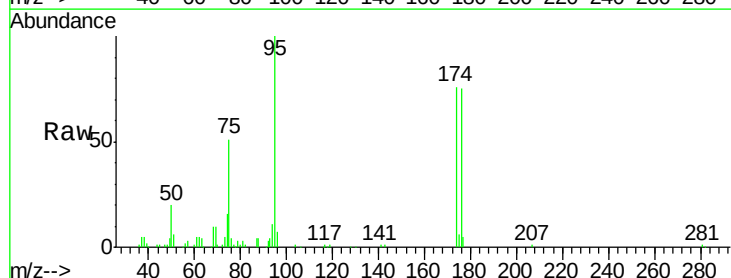
Tgt Ion: 95 Resp: 91847

Ion Ratio Lower Upper

95 100

174 76.5 0.0 157.6

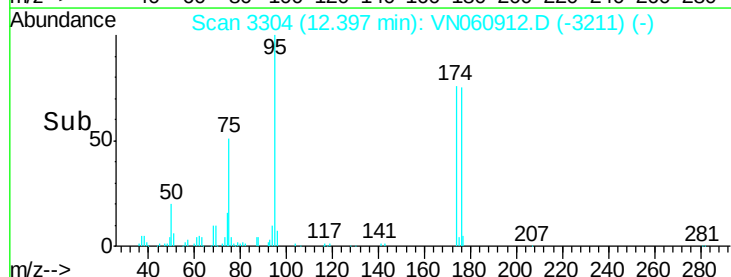
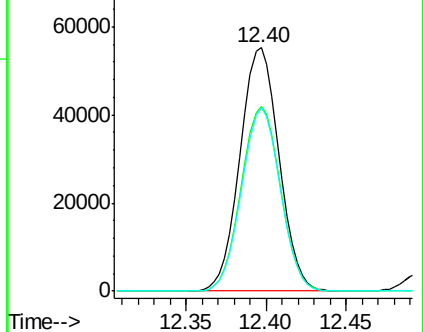
176 74.7 0.0 150.6

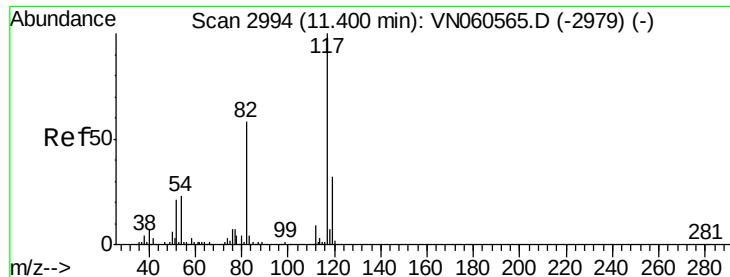


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





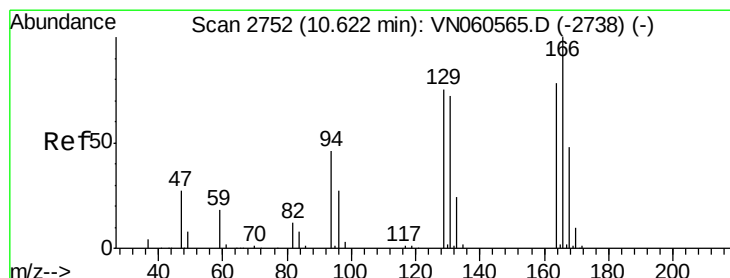
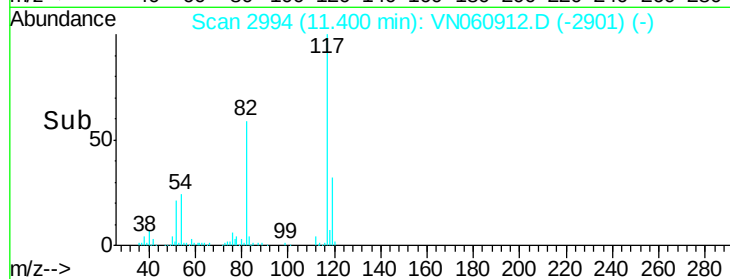
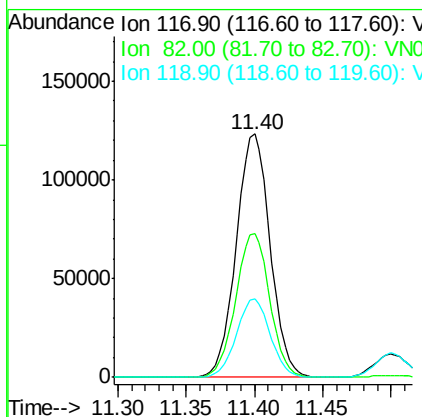
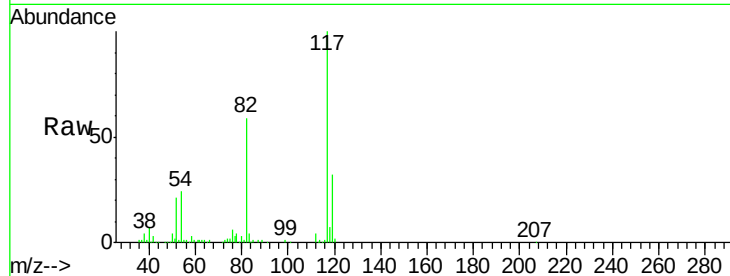
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.7	70.1
119	32.2	25.5	38.3

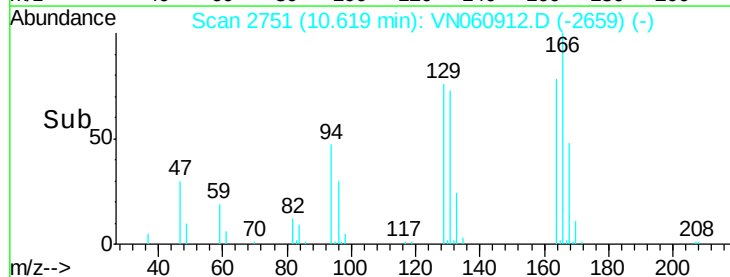
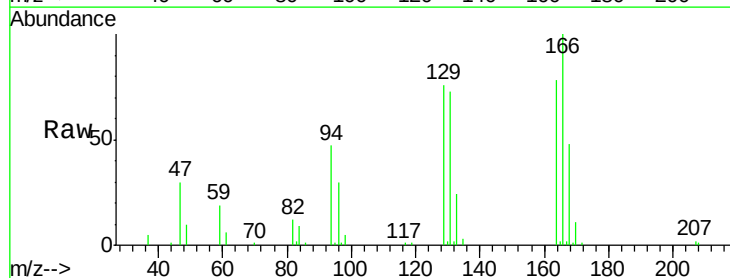
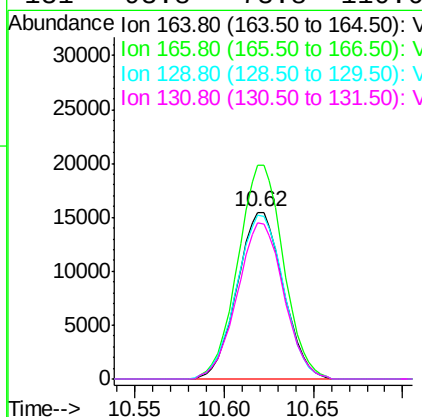
Manual Integrations
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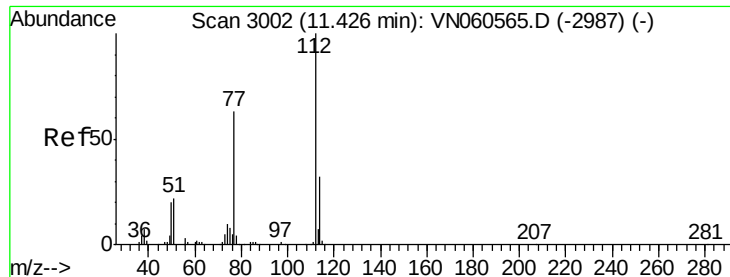
MMDadoda
4/14/2020 10:10:53 AM



#64
Tetrachloroethene
Concen: 16.636 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.7	154.1
129	97.9	77.2	115.8
131	93.8	73.8	110.6





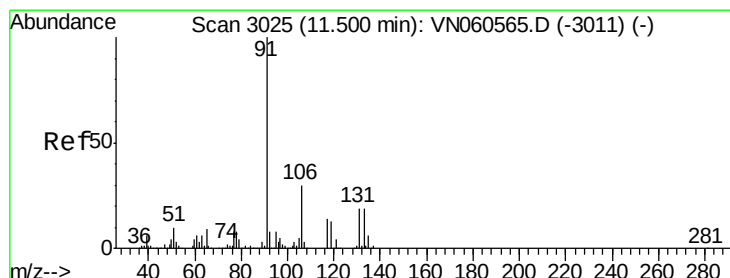
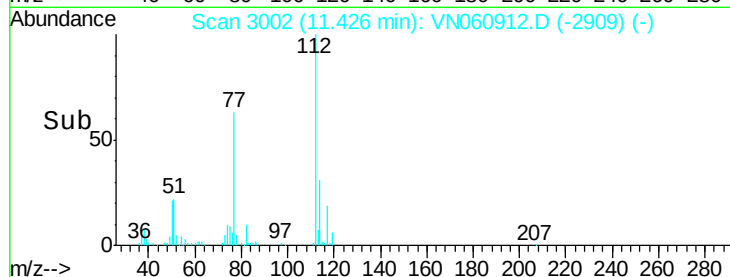
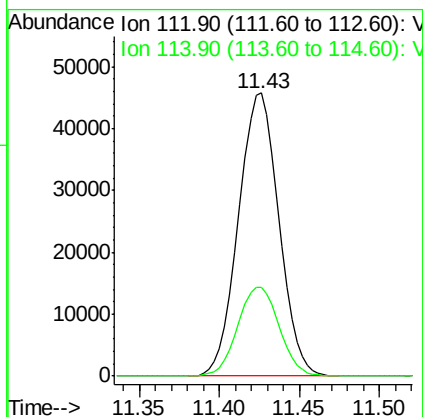
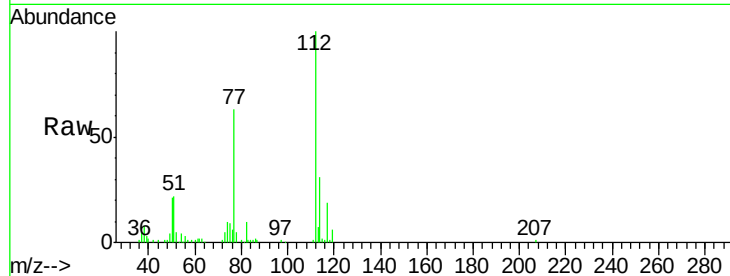
#65
Chlorobenzene
Concen: 18.696 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion:112 Resp: 78873
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6

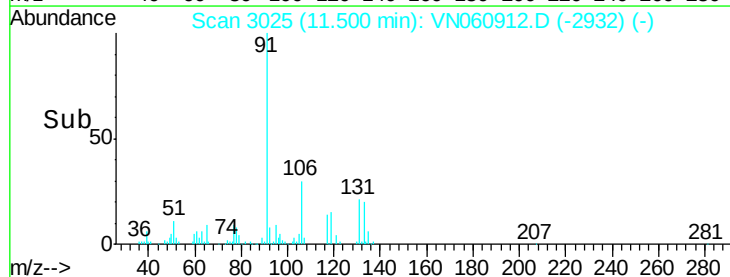
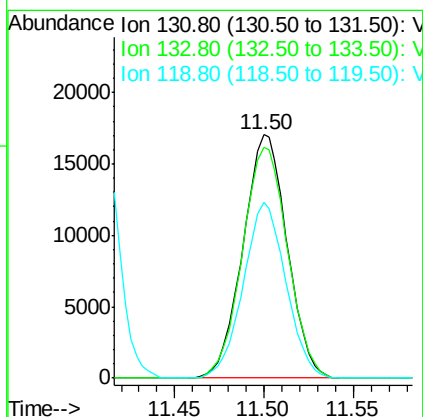
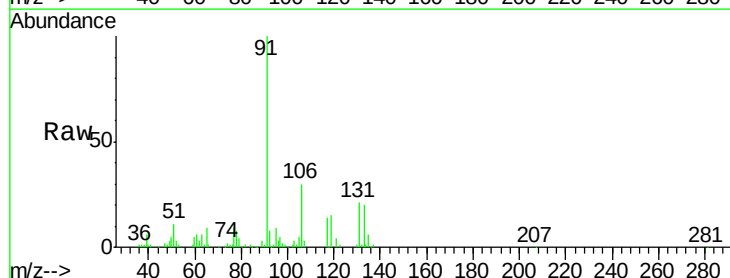
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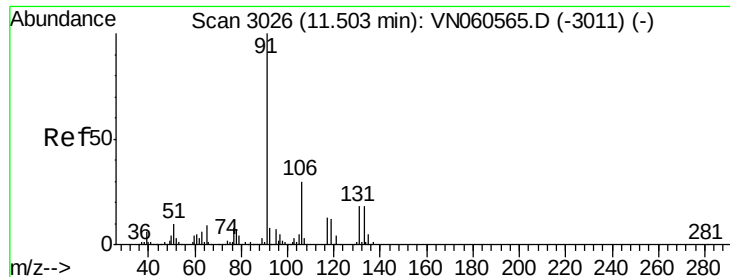
MMDadoda
4/14/2020 10:10:53 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.306 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion:131 Resp: 29489
Ion Ratio Lower Upper
131 100
133 97.0 48.9 146.8
119 69.7 33.9 101.7





#67

Ethyl Benzene

Concen: 18.124 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 91 Resp: 142184

Ion Ratio Lower Upper

91 100

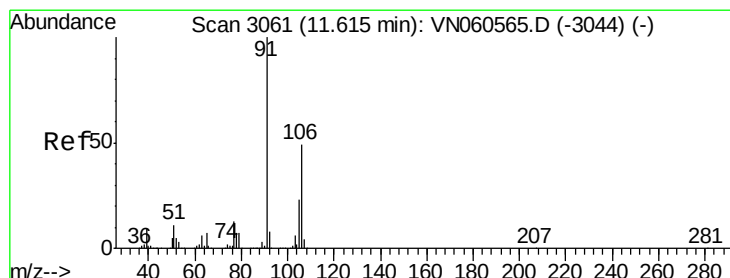
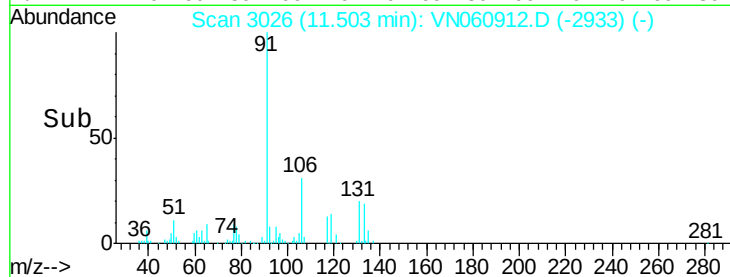
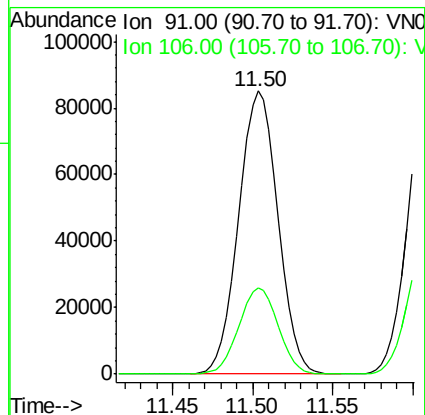
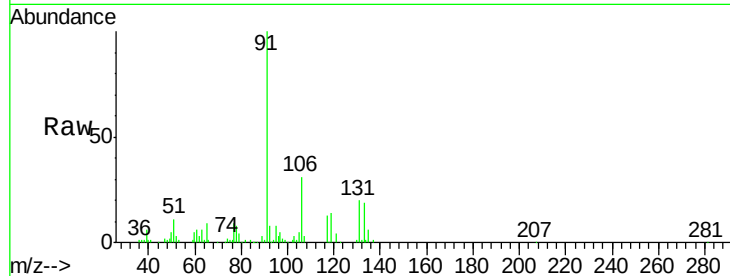
106 30.6 24.2 36.2

Manual Integrations

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4/14/2020 10:10:53 AM



#68

m/p-Xylenes

Concen: 35.792 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060912.D

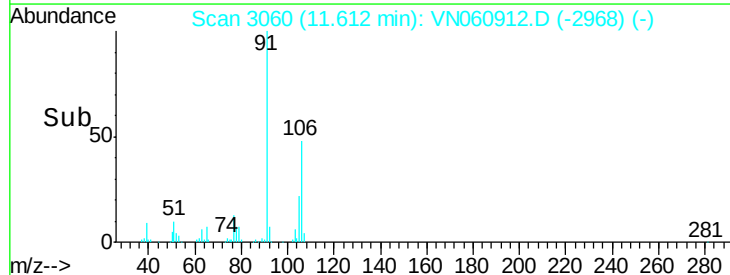
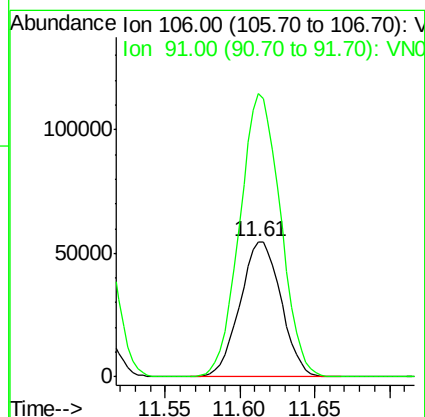
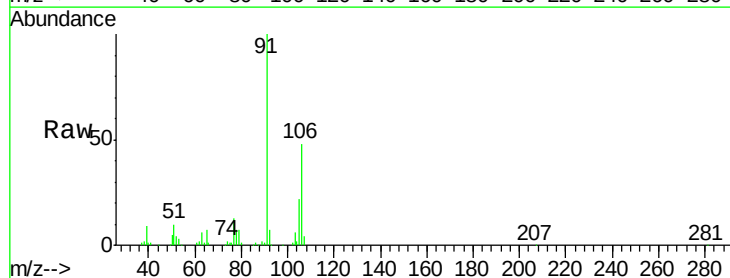
Acq: 13 Apr 2020 20:57

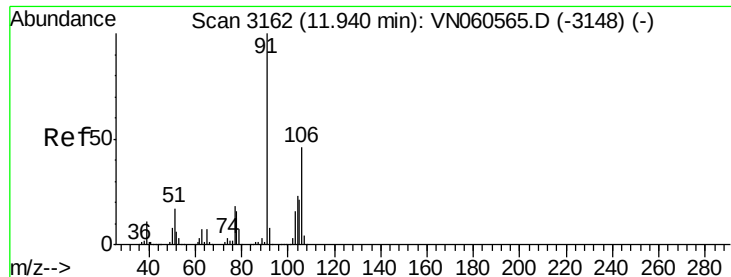
Tgt Ion: 106 Resp: 104346

Ion Ratio Lower Upper

106 100

91 208.3 165.0 247.4





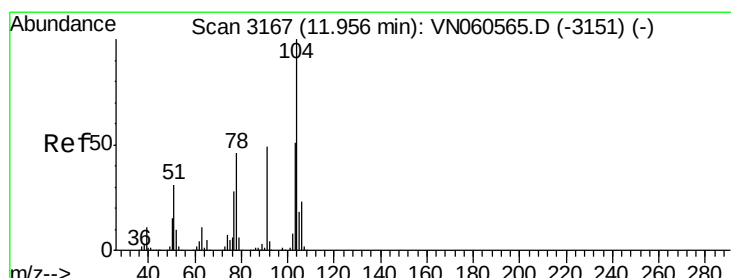
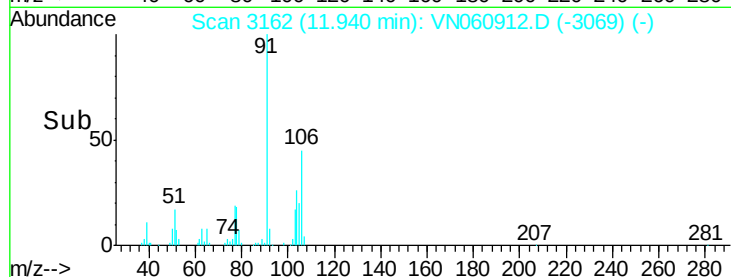
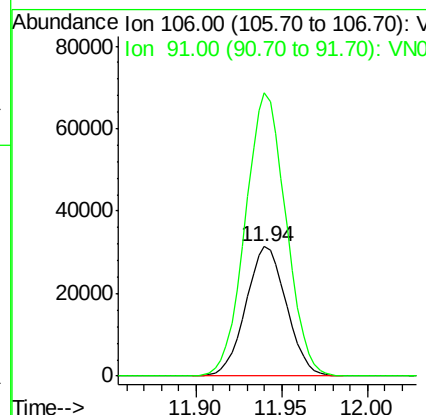
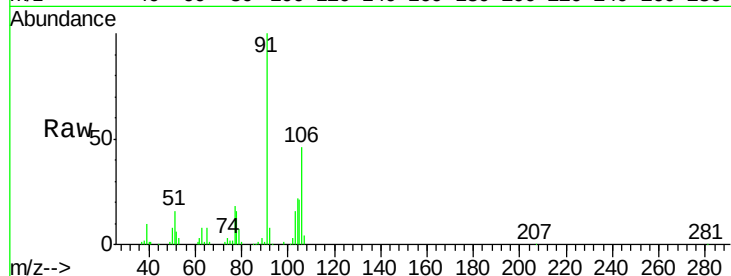
#69
o-Xylene
Concen: 18.474 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion:106 Resp: 51413
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

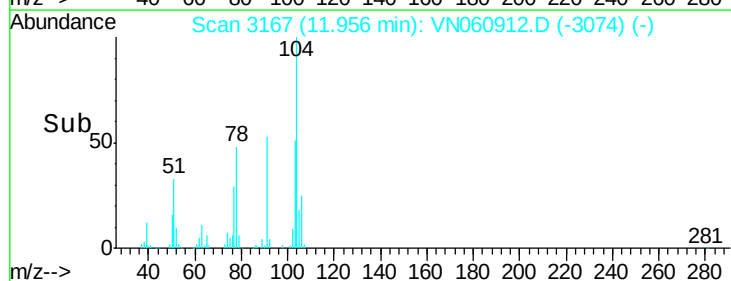
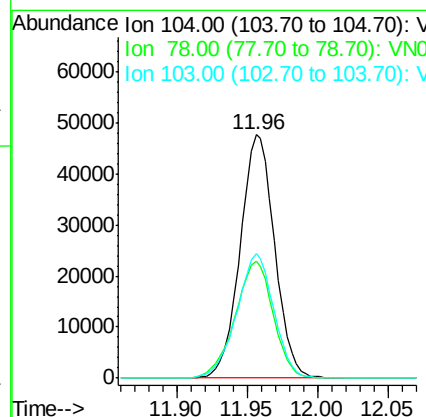
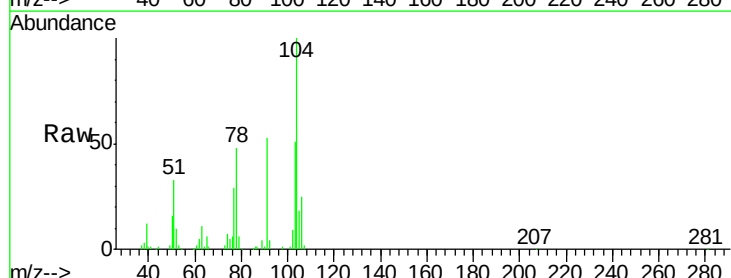
Manual Integrations
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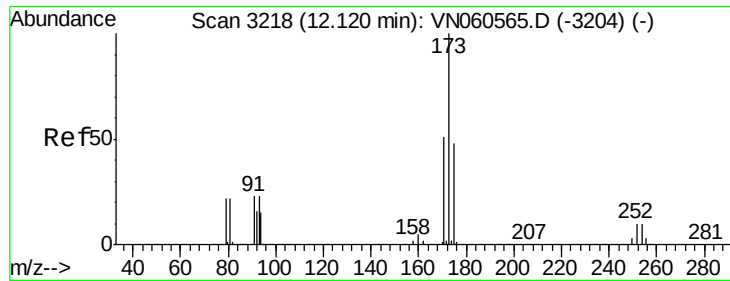
MMDadoda
4/14/2020 10:10:53 AM



#70
Styrene
Concen: 17.936 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion:104 Resp: 81636
Ion Ratio Lower Upper
104 100
78 52.9 41.2 61.8
103 54.8 44.0 66.0





#71

Bromoform

Concen: 18.397 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

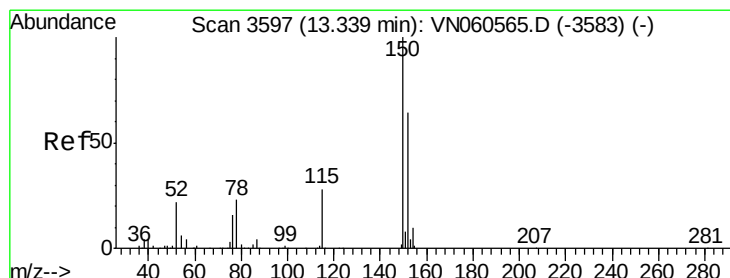
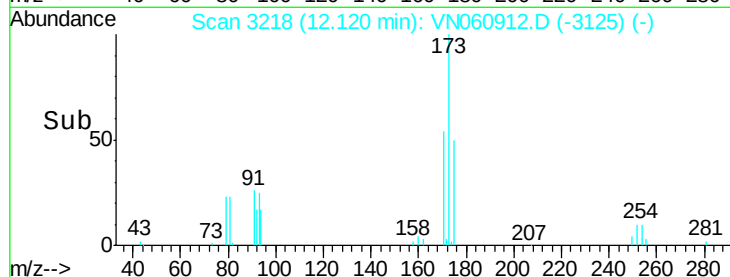
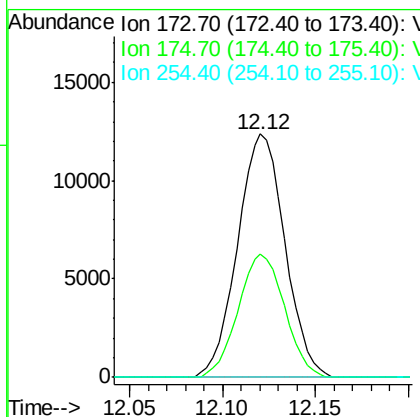
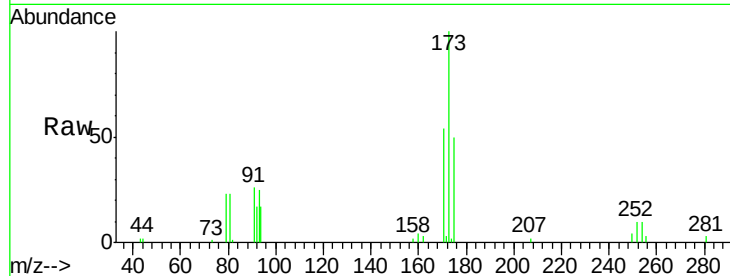
ClientSampleId :

VN0413WBS01

Tot Ion:	173	Resp:	21959
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
4/14/2020 10:10:53 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

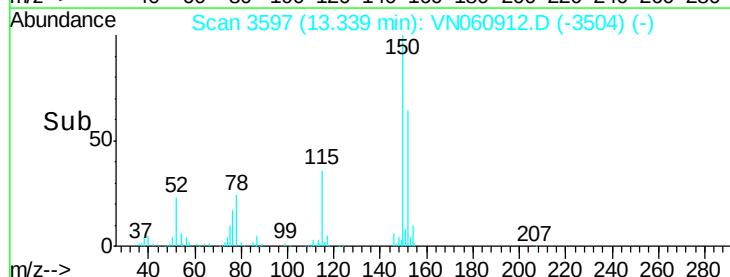
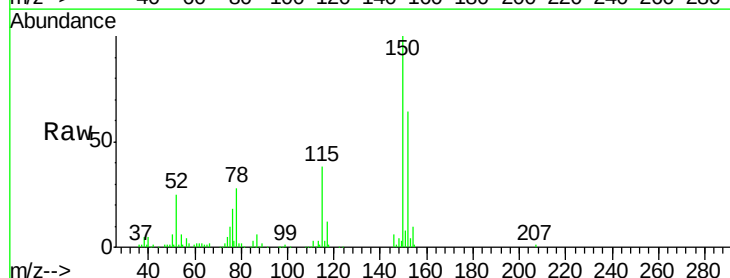
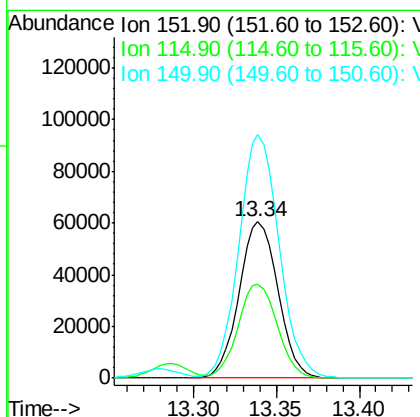
RT: 13.34 min Scan# 3597

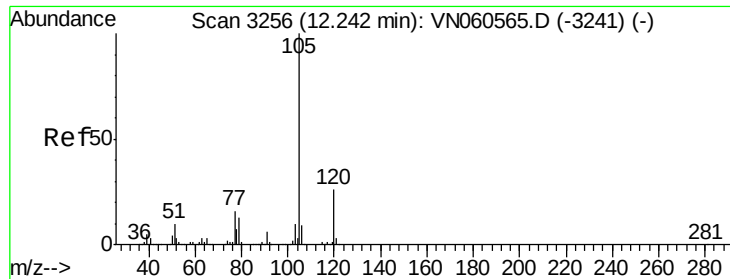
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	152	Resp:	98762
Ion Ratio	Lower	Upper	
152	100		
115	60.7	30.2	90.6
150	161.5	0.0	350.2





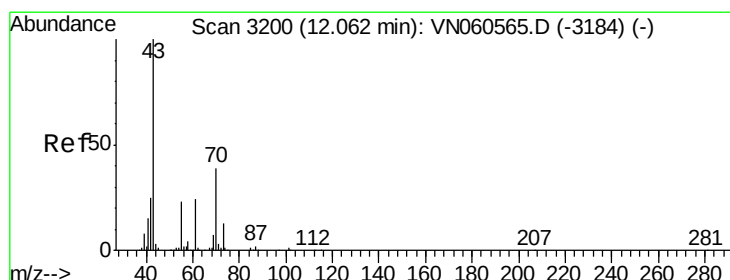
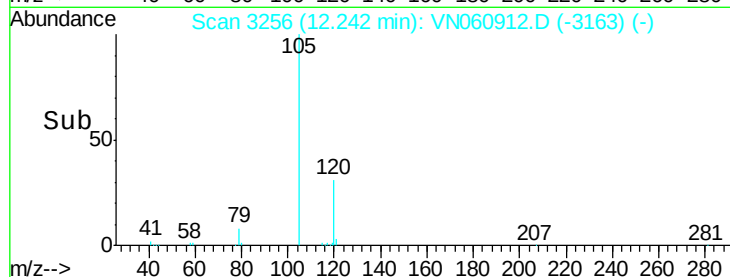
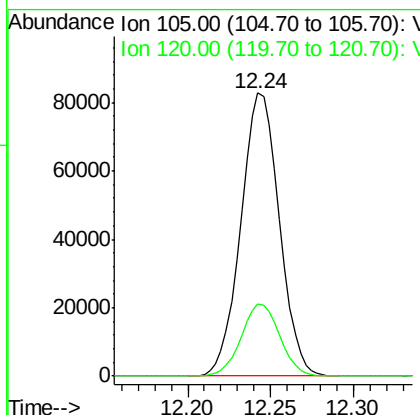
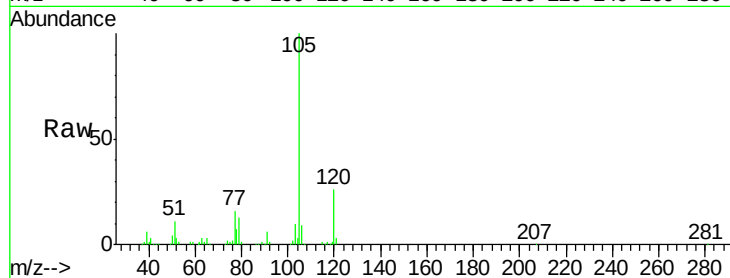
#73
Isopropylbenzene
Concen: 18.001 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.1	39.1

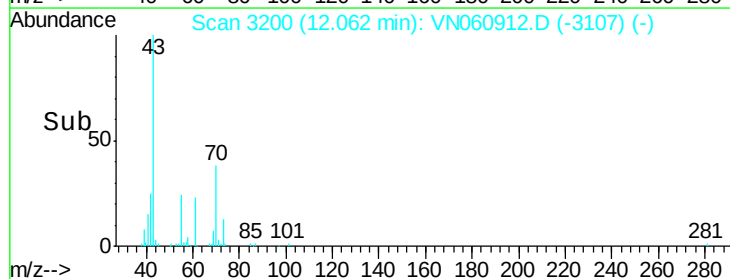
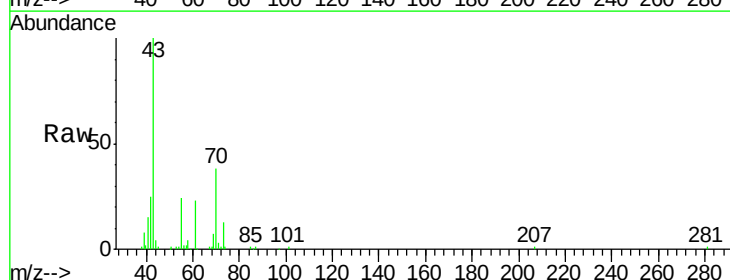
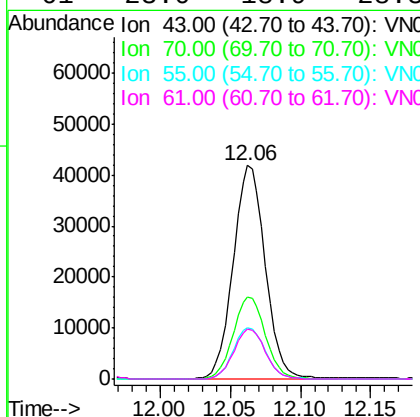
Manual Integrations
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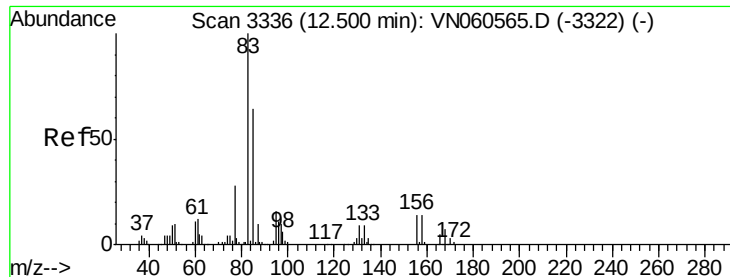
MMDadoda
4/14/2020 10:10:53 AM



#74
N-ethyl acetate
Concen: 19.519 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.3	31.1	46.7
55	23.7	18.6	27.8
61	23.0	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.310 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

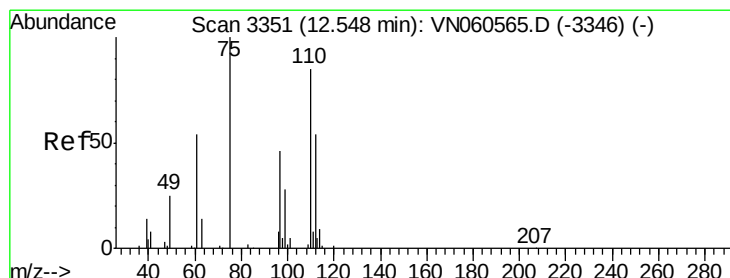
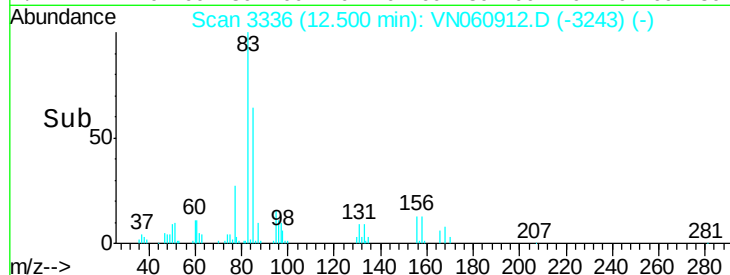
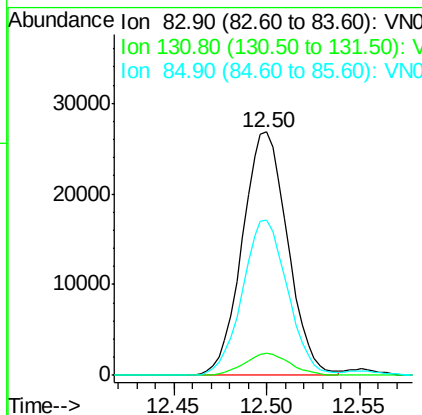
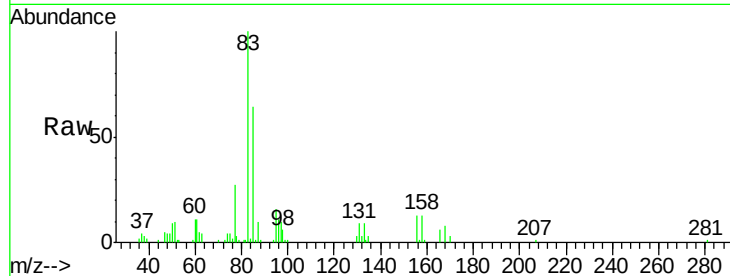
ClientSampleId :

VN0413WBS01

Tot Ion:	83	Resp:	45523
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.7
85	63.3	32.5	97.4

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MMDadoda
4/14/2020 10:10:53 AM



#76

1,2,3-Trichloropropane

Concen: 19.413 ug/l m

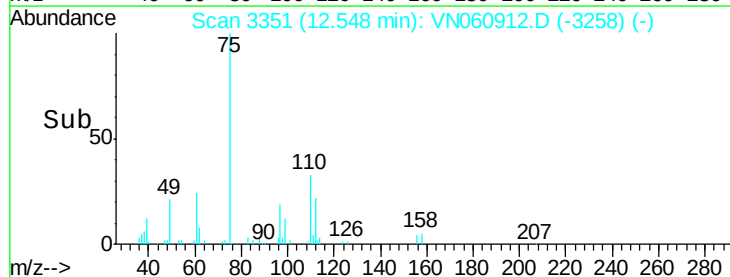
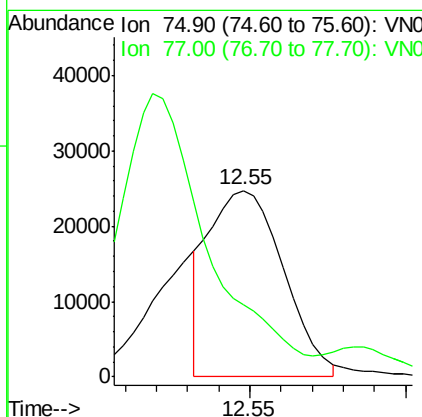
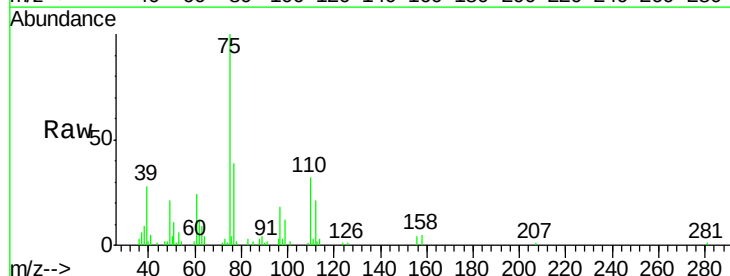
RT: 12.55 min Scan# 3351

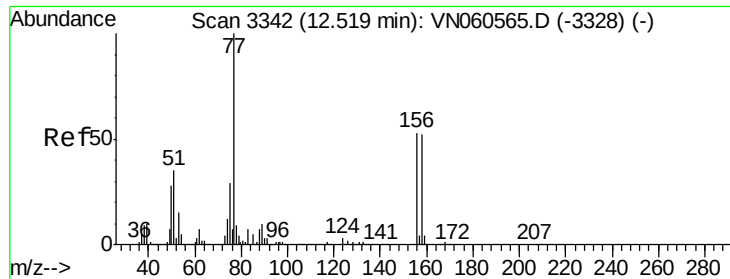
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	75	Resp:	41370
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.292 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion:156 Resp: 32668

Ion Ratio Lower Upper

156 100

77 233.9 112.3 337.0

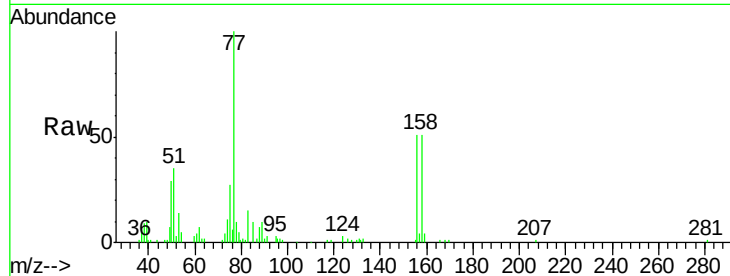
158 99.0 48.6 145.8

Manual Integrations

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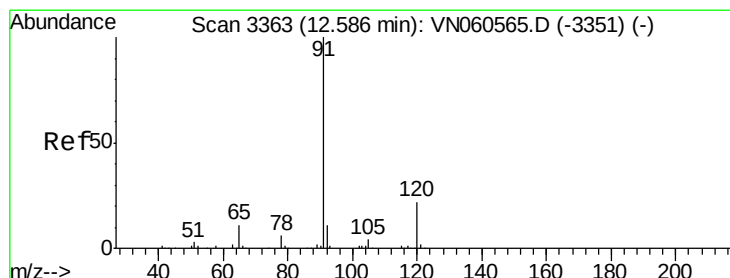
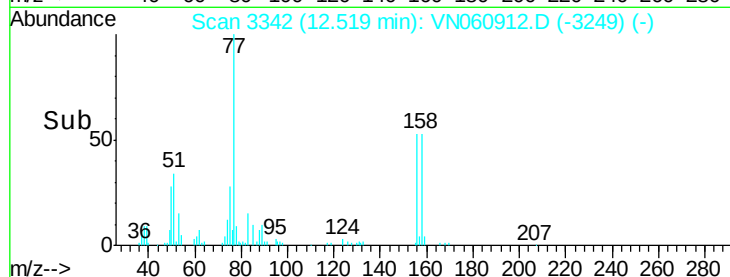
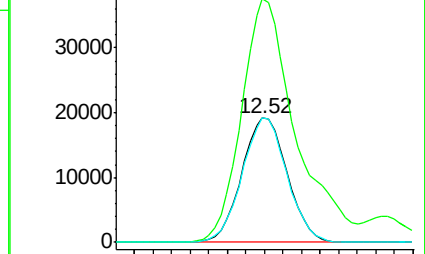
4/14/2020 10:10:53 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.934 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060912.D

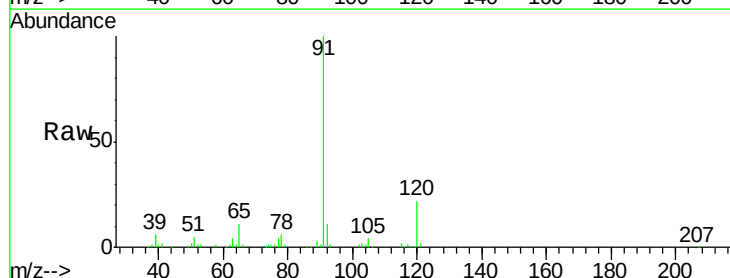
Acq: 13 Apr 2020 20:57

Tgt Ion: 91 Resp: 157041

Ion Ratio Lower Upper

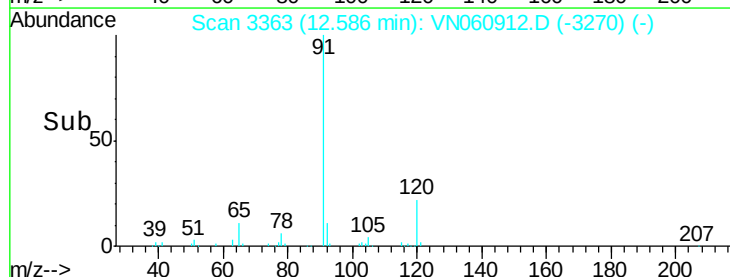
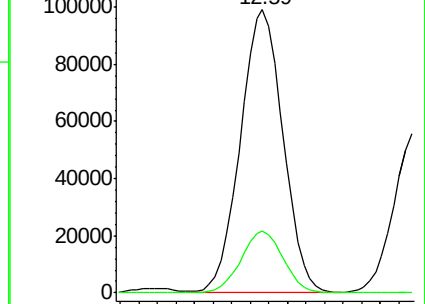
91 100

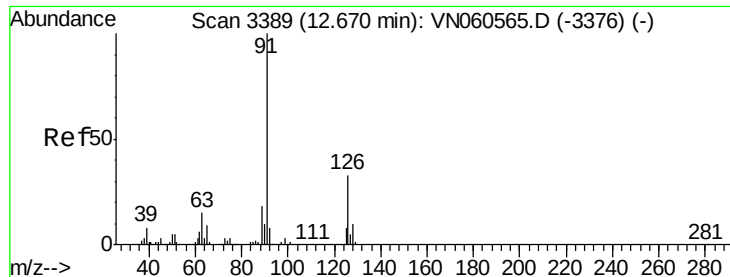
120 21.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.989 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 91 Resp: 94120

Ion Ratio Lower Upper

91 100

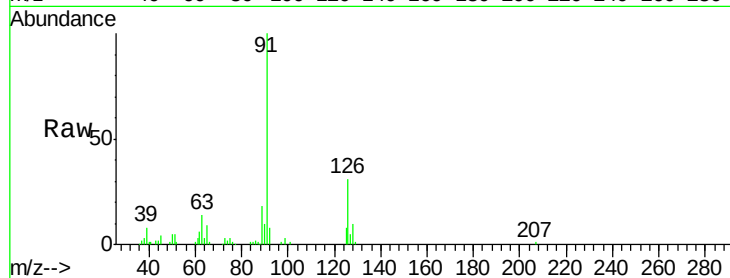
126 31.8 16.4 49.1

Manual Integrations

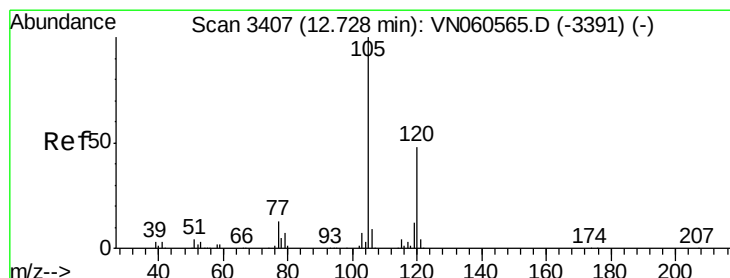
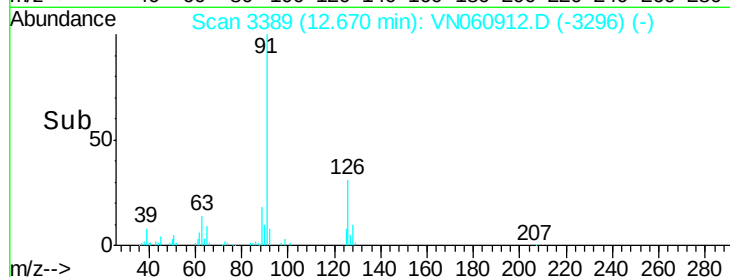
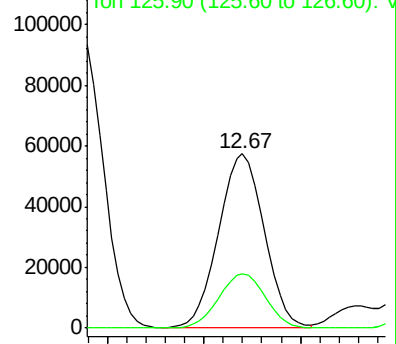
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Abundance Ion 91.00 (90.70 to 91.70): VN060912.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.958 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060912.D

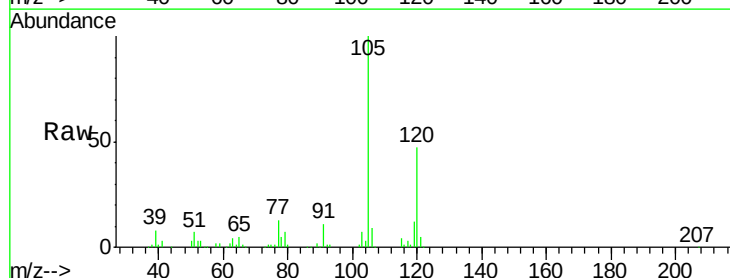
Acq: 13 Apr 2020 20:57

Tgt Ion: 105 Resp: 112950

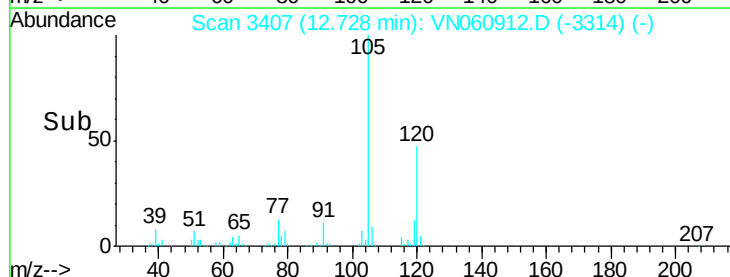
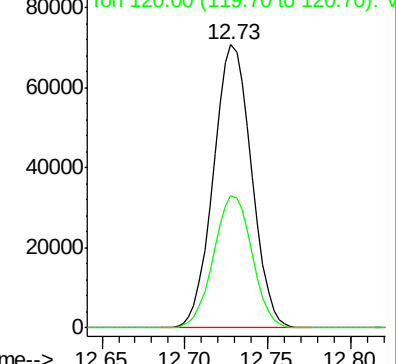
Ion Ratio Lower Upper

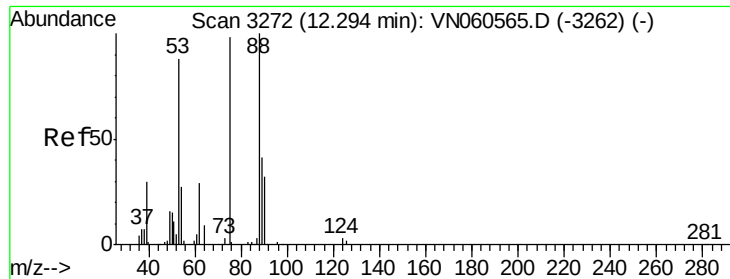
105 100

120 47.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060912.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.452 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Instrument :

MSVOA_N

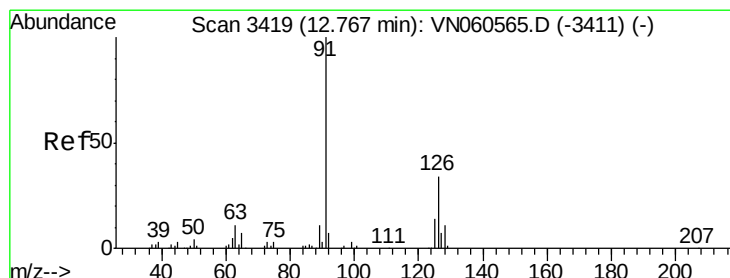
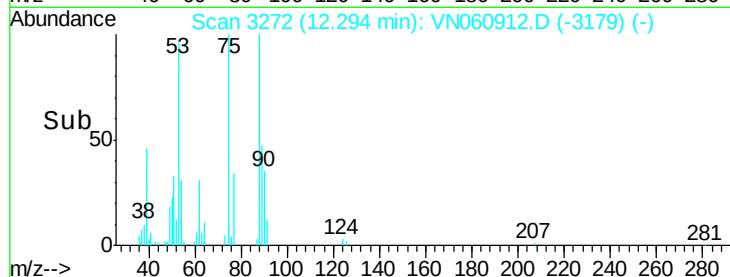
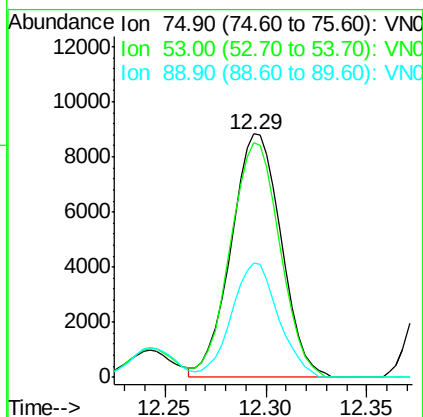
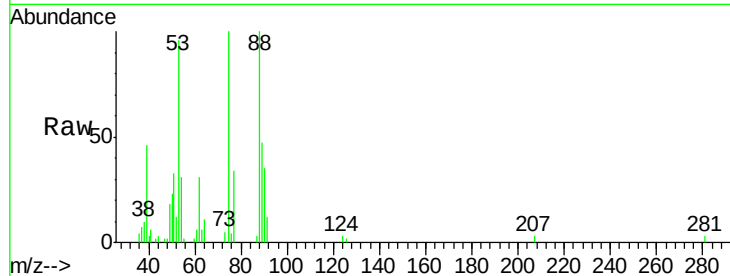
ClientSampled :

VN0413WBS01

Tot Ion:	75	Resp:	15311
Ion Ratio	Lower	Upper	
75	100		
53	95.9	73.0	109.4
89	44.1	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.586 ug/l

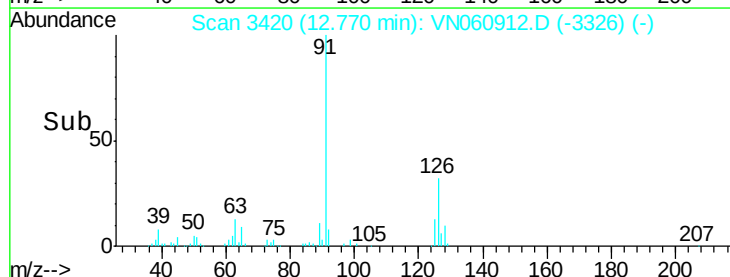
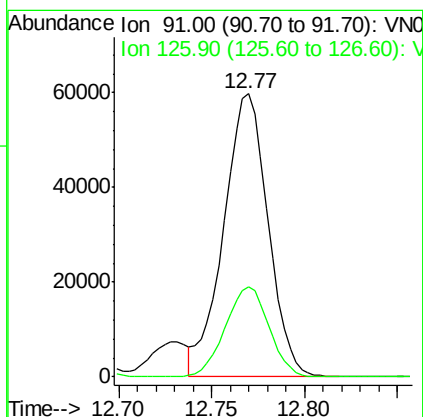
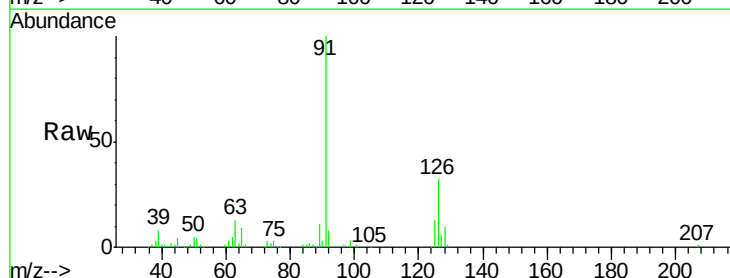
RT: 12.77 min Scan# 3420

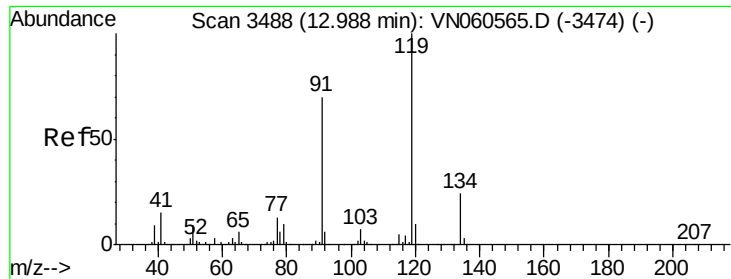
Delta R.T. 0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion:	91	Resp:	99037
Ion Ratio	Lower	Upper	
91	100		
126	31.3	16.2	48.5





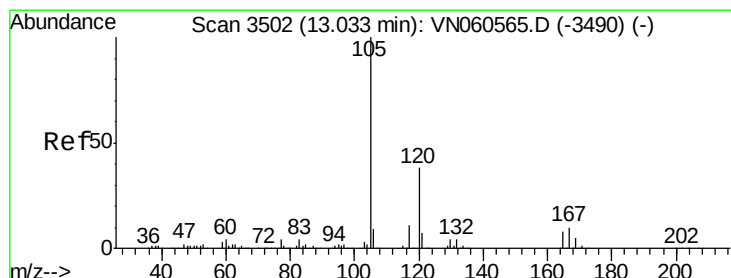
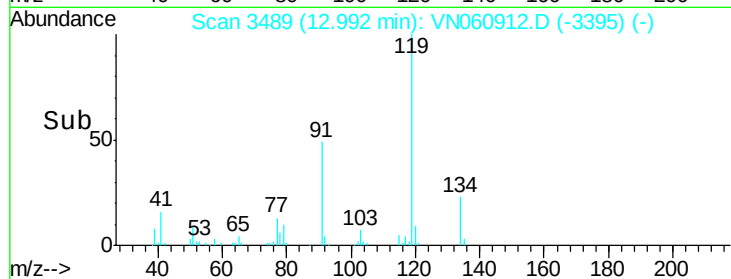
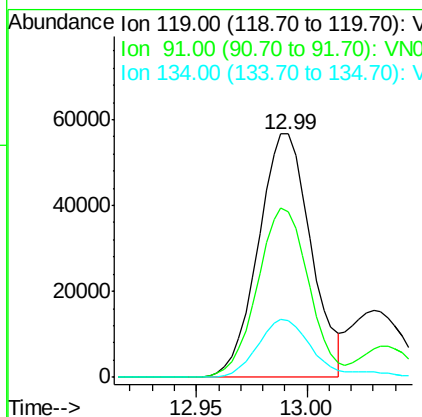
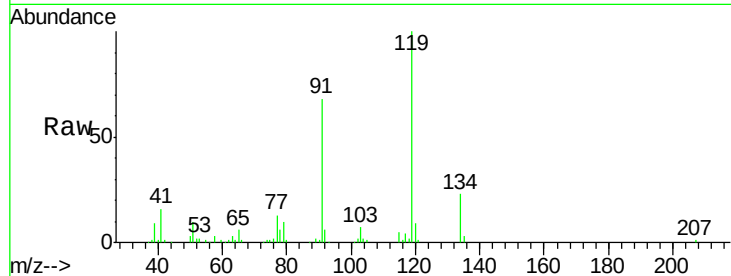
#83
 tert-Butylbenzene
 Concen: 17.945 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.0	101.8
134	25.4	12.7	38.0

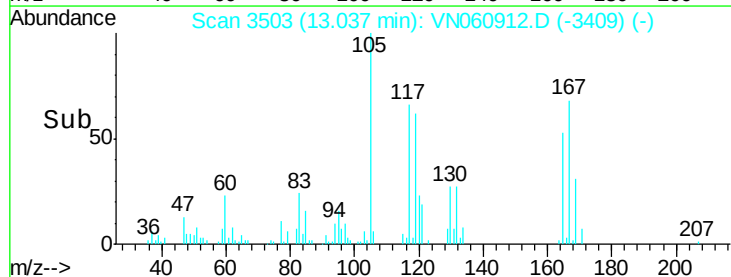
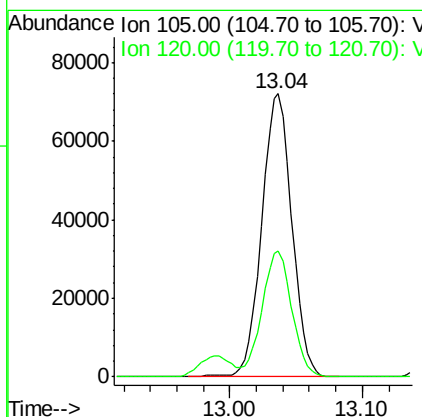
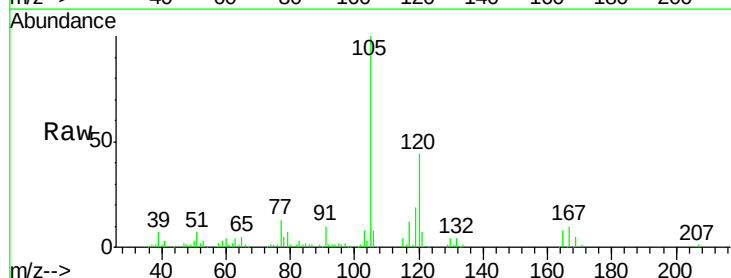
Manual Integrations
 APPROVED

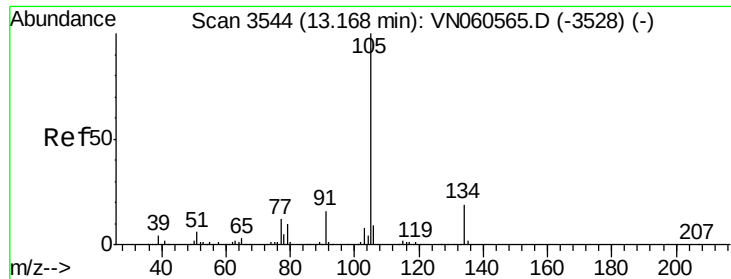
MMDadoda
 4/14/2020 10:10:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.291 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





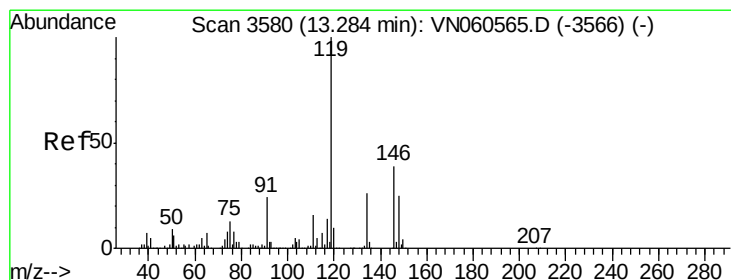
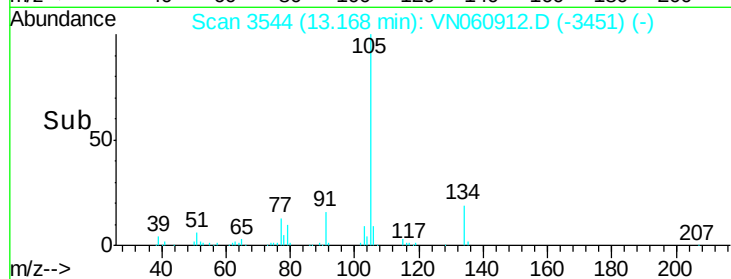
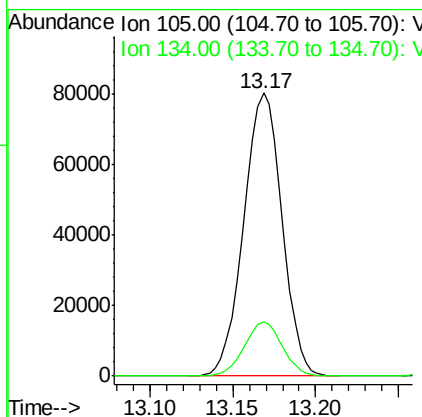
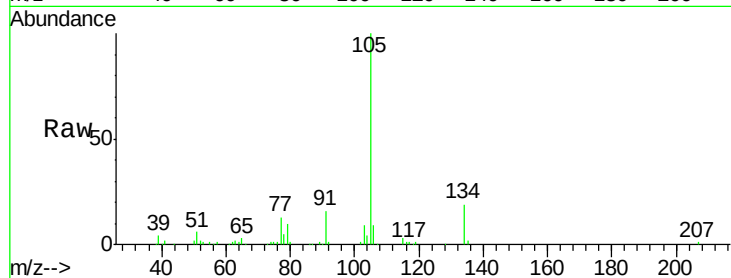
#85
 sec-Butylbenzene
 Concen: 18.339 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	128578		
134	18.8	9.6	28.8	

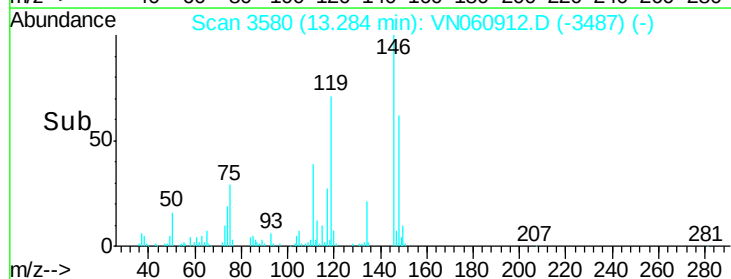
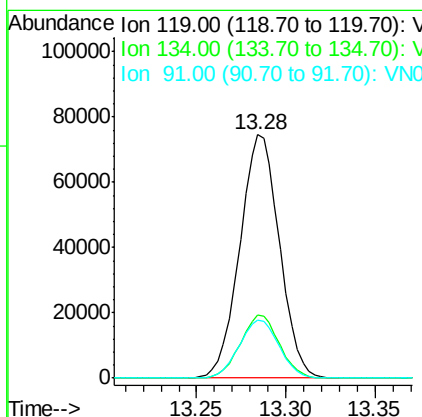
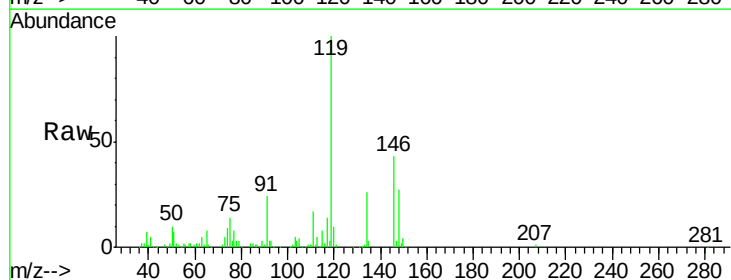
Manual Integrations
 APPROVED

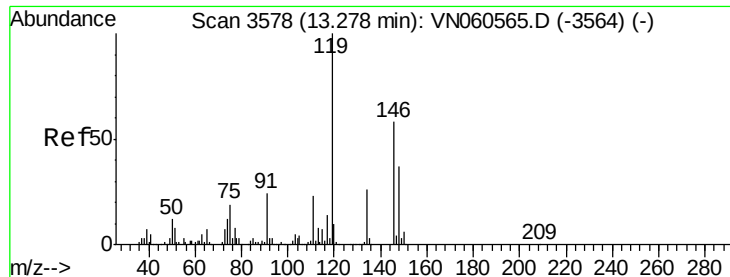
MMDadoda
 4/14/2020 10:10:53 AM



#86
 p-Isopropyltoluene
 Concen: 18.339 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	115624		
134	25.6	13.0	39.0	
91	24.1	12.0	36.0	





#87

1,3-Dichlorobenzene

Concen: 18.563 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060912.D

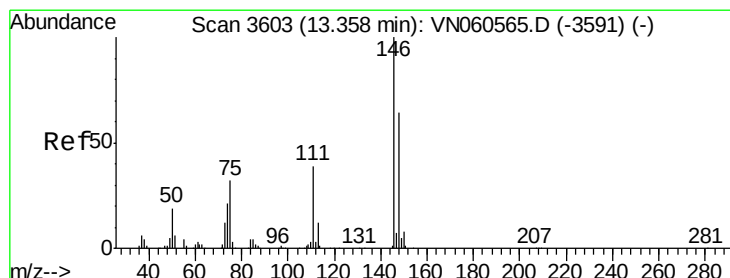
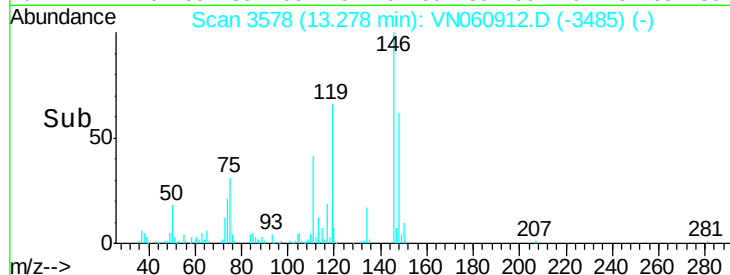
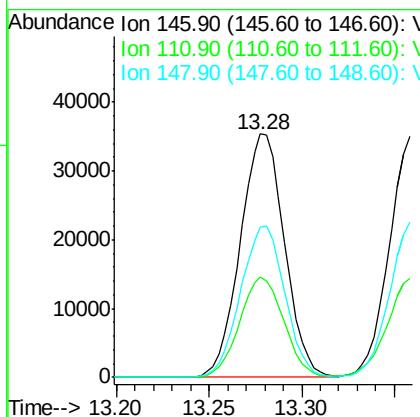
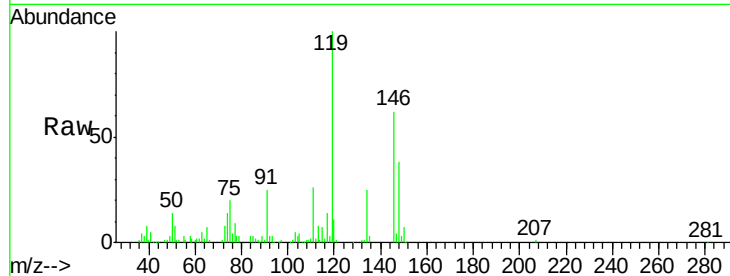
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	62.1	32.5	97.4

Manual Integrations
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4/14/2020 10:10:53 AM



#88

1,4-Dichlorobenzene

Concen: 18.327 ug/l

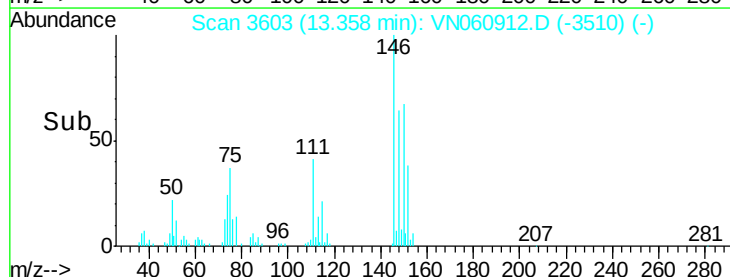
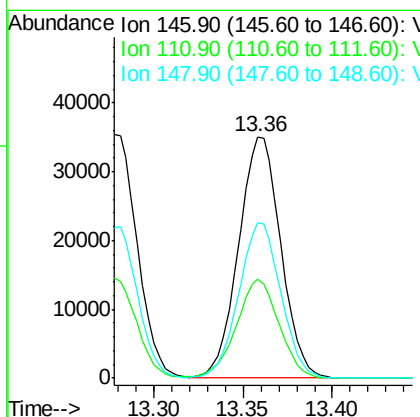
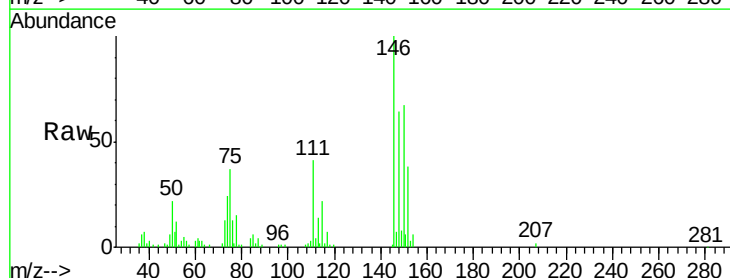
RT: 13.36 min Scan# 3603

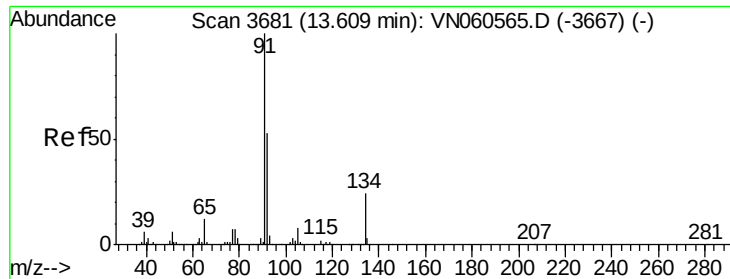
Delta R.T. -0.00 min

Lab File: VN060912.D

Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.7
148	64.2	32.1	96.3





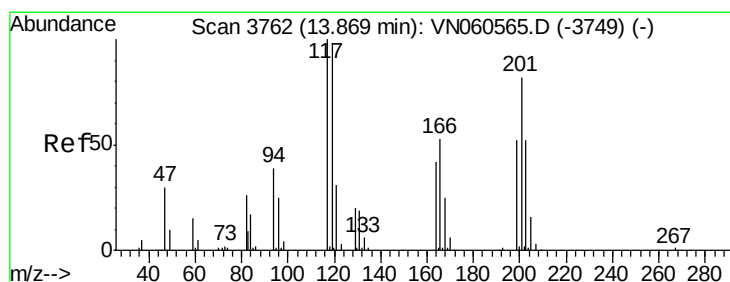
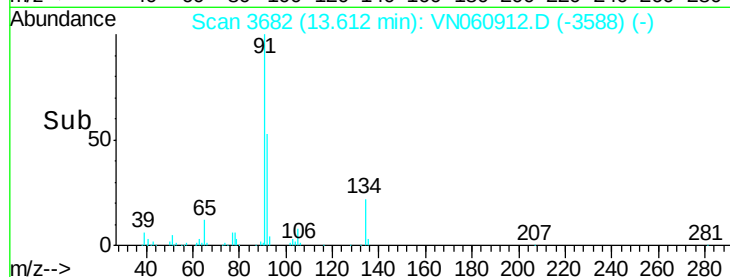
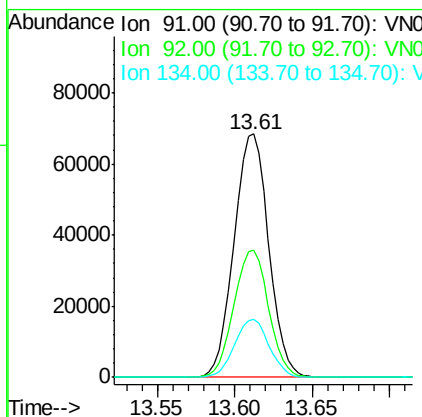
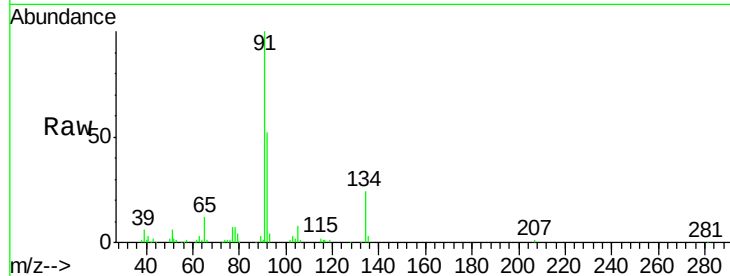
#89
n-Butylbenzene
Concen: 18.705 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	23.7	12.3	36.9

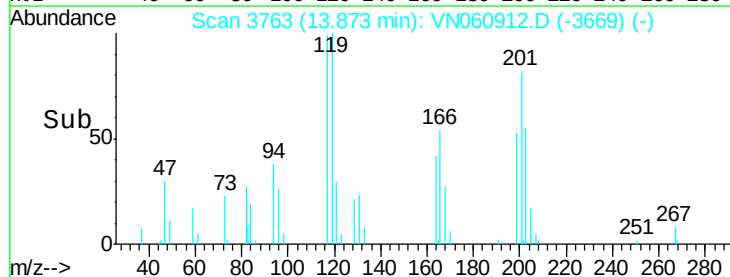
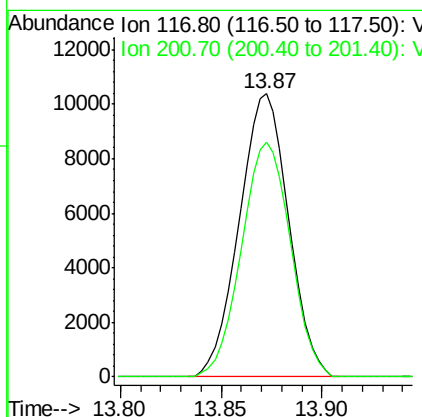
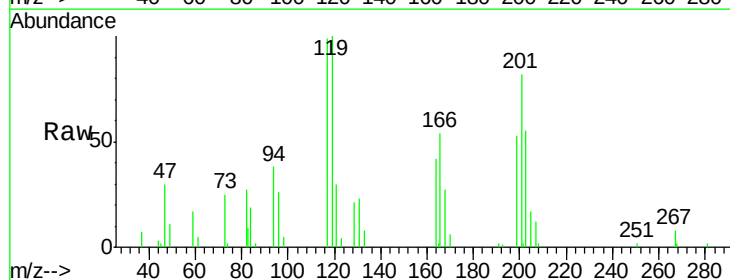
Manual Integrations
APPROVED

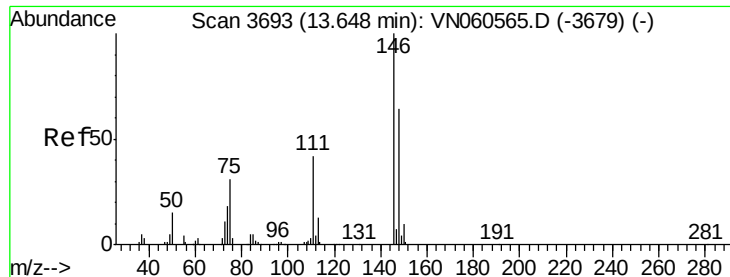
MMDadoda
4/14/2020 10:10:53 AM



#90
Hexachloroethane
Concen: 19.375 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	40.8	122.5





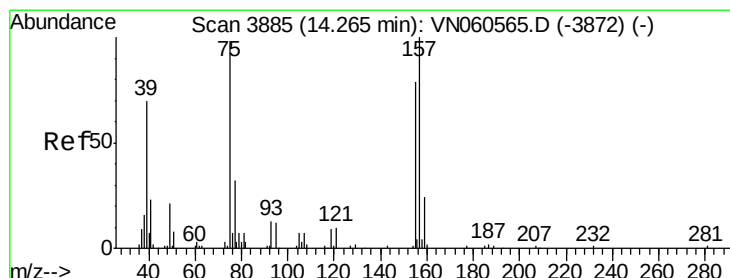
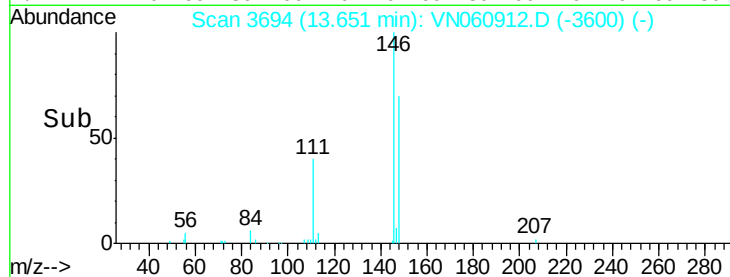
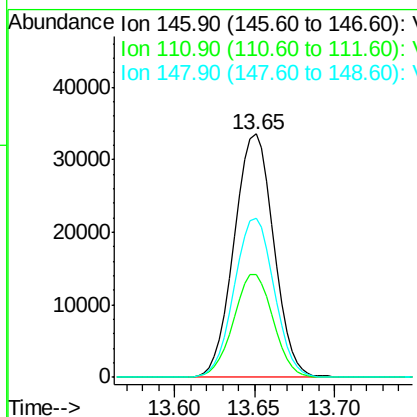
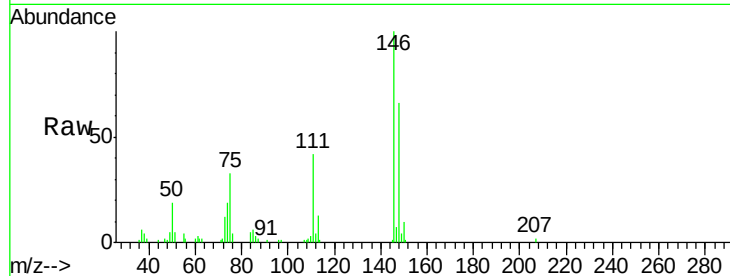
#91
 1,2-Dichlorobenzene
 Concen: 18.775 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	65.7	31.9	95.5

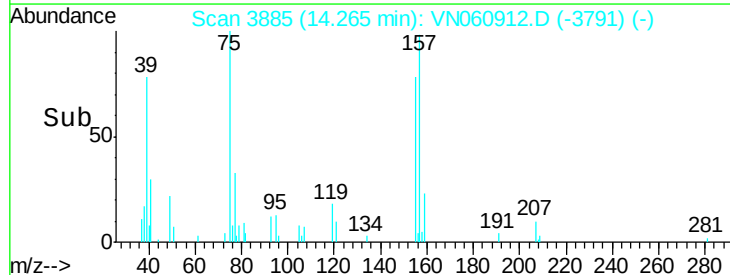
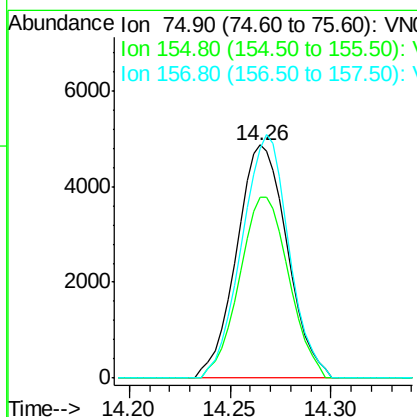
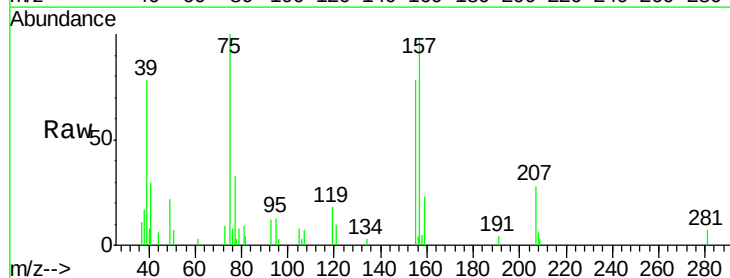
Manual Integrations
 APPROVED

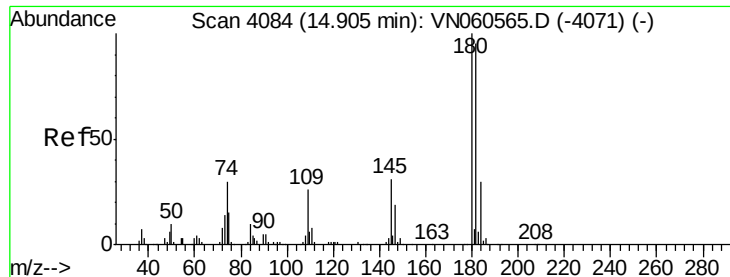
MMDadoda
 4/14/2020 10:10:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.073 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.7	122.1
157	97.1	51.5	154.7





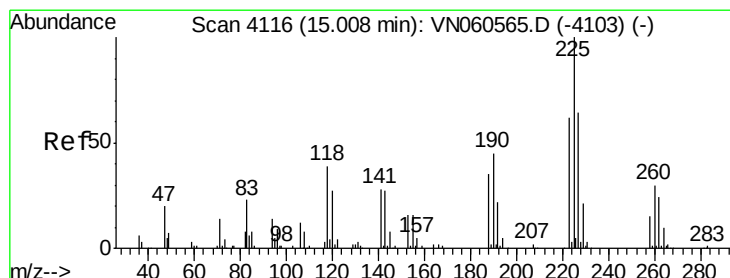
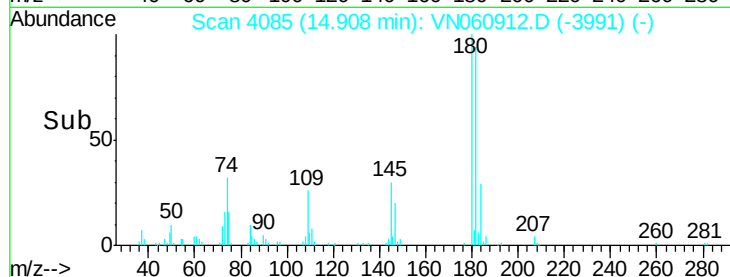
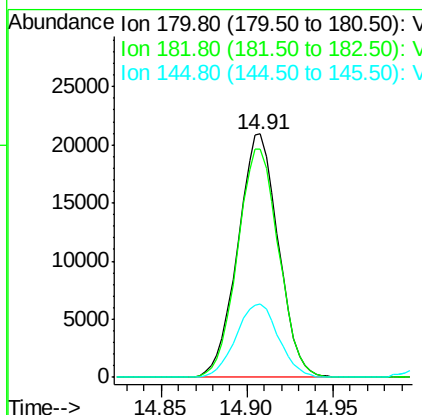
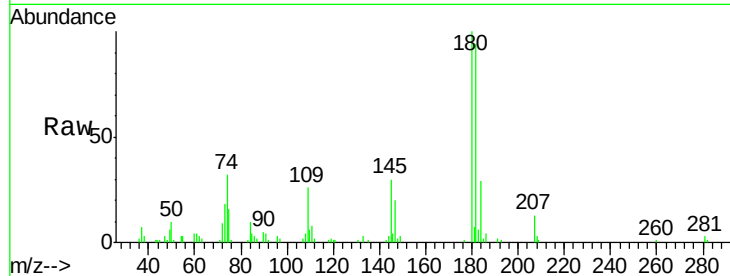
#93
 1,2,4-Trichlorobenzene
 Concen: 18.527 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	31.4	15.4	46.2

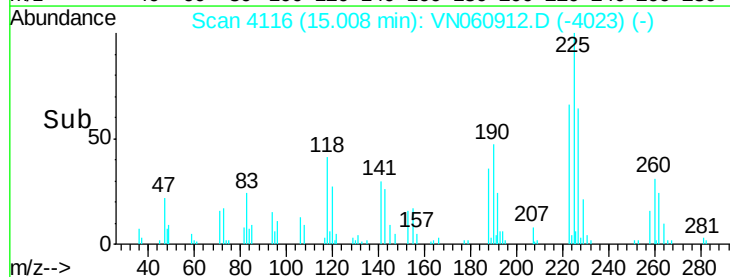
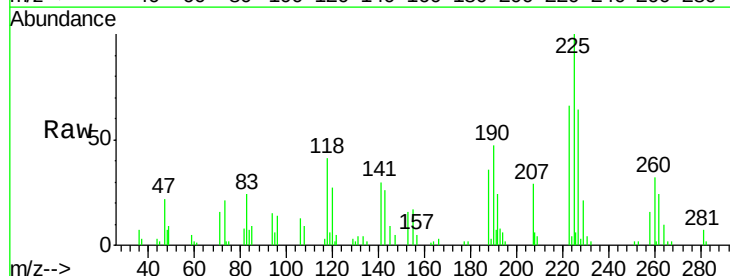
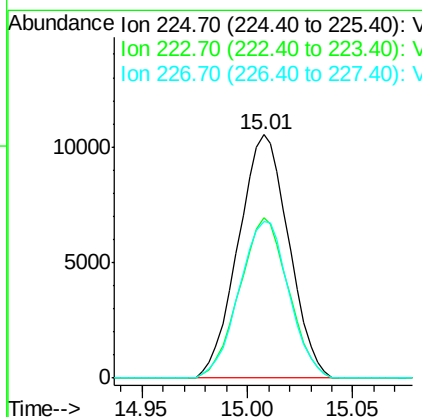
Manual Integrations
 APPROVED

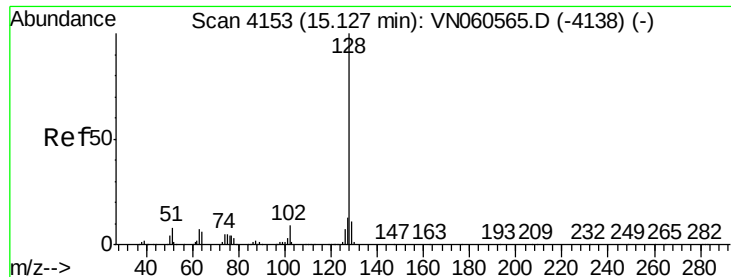
MMDadoda
 4/14/2020 10:10:53 AM



#94
 Hexachlorobutadiene
 Concen: 19.239 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060912.D
 Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	95.0
227	63.7	32.3	96.8





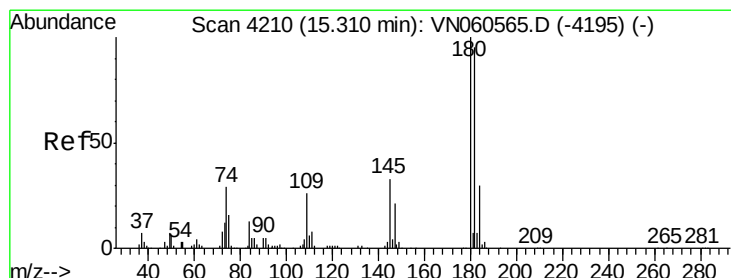
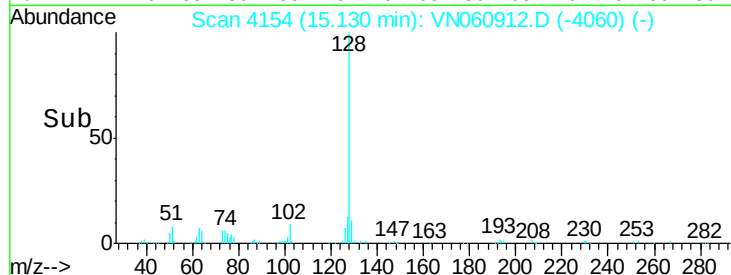
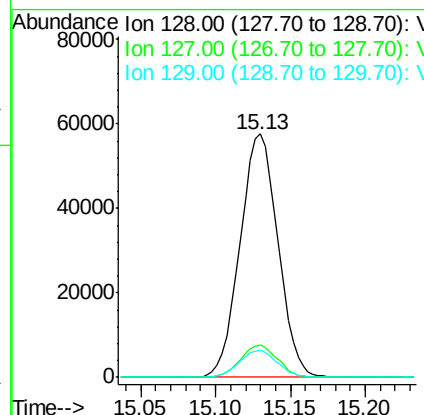
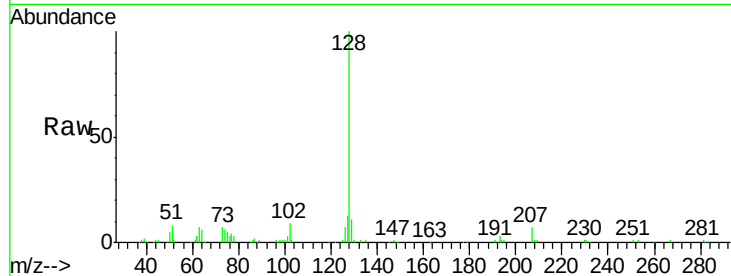
#95
Naphthalene
Concen: 18.287 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	101737		
127	12.9	10.2	15.2	
129	11.1	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:10:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.741 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060912.D
Acq: 13 Apr 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	34142		
182	95.6	47.5	142.6	
145	32.7	16.3	48.8	

