

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060842.D
 Acq On : 6 Apr 2020 11:38
 Operator : JC/MD
 Sample : VN0406WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 3:21:41 PM

Quant Time: Apr 07 07:21:16 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	204111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	334933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142025	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	135503	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.56	113	103108	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.08	98	403311	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	147307	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	33791	17.110	ug/l	99
3) Chloromethane	2.04	50	60051	16.280	ug/l	100
4) Vinyl Chloride	2.17	62	48321	16.749	ug/l	100
5) Bromomethane	2.55	94	24438	19.622	ug/l	99
6) Chloroethane	2.69	64	29651	17.841	ug/l	96
7) Trichlorofluoromethane	3.00	101	64002	18.009	ug/l	97
8) Diethyl Ether	3.38	74	27700	19.402	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39886	19.369	ug/l	99
10) Methyl Iodide	3.93	142	33782	18.436	ug/l	98
11) Tert butyl alcohol	4.72	59	39783	96.541	ug/l	98
12) 1,1-Dichloroethene	3.71	96	38897	17.601	ug/l	98
13) Acrolein	3.57	56	32034	70.141	ug/l	98
14) Allyl chloride	4.29	41	73899	19.013	ug/l	94
15) Acrylonitrile	4.94	53	116978	96.535	ug/l	99
16) Acetone	3.78	43	115456	116.326	ug/l	98
17) Carbon Disulfide	4.03	76	111627	16.609	ug/l	100
18) Methyl Acetate	4.28	43	57115	20.444	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	142026	18.693	ug/l	97
20) Methylene Chloride	4.52	84	44849	18.369	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	42938	18.231	ug/l	96
22) Diisopropyl ether	5.91	45	162231	19.757	ug/l	98
23) Vinyl Acetate	5.86	43	652441	97.382	ug/l	100
24) 1,1-Dichloroethane	5.81	63	85197	19.032	ug/l	99
25) 2-Butanone	6.80	43	162491	101.173	ug/l	100
26) 2,2-Dichloropropane	6.79	77	72922	20.705	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	50470	18.857	ug/l	100
28) Bromochloromethane	7.17	49	42585	19.883	ug/l	100
29) Tetrahydrofuran	7.18	42	105539	92.875	ug/l	99
30) Chloroform	7.35	83	82126	19.137	ug/l	98
31) Cyclohexane	7.63	56	81487	18.056	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	69065	18.669	ug/l	98
36) 1,1-Dichloropropene	7.77	75	61666	19.014	ug/l	99
37) Ethyl Acetate	6.89	43	67205	19.178	ug/l	99
38) Carbon Tetrachloride	7.75	117	54518	18.756	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	75321	19.543	ug/l	99
40) Benzene	8.02	78	187246	19.125	ug/l	99
41) Methacrylonitrile	7.14	41	33295	22.263	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	65459	19.564	ug/l	99
43) Isopropyl Acetate	8.14	43	112993	19.551	ug/l	99
44) Trichloroethene	8.81	130	47531	19.259	ug/l	95
45) 1,2-Dichloropropane	9.10	63	51674	20.003	ug/l	97
46) Dibromomethane	9.19	93	30053	19.243	ug/l	99
47) Bromodichloromethane	9.38	83	63419	19.541	ug/l	98
48) Methyl methacrylate	9.18	41	48378	18.801	ug/l	99
49) 1,4-Dioxane	9.18	88	13937	455.687	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	323067	98.236	ug/l	99
52) Toluene	10.14	92	112673	19.056	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	74278	19.925	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	79790	19.510	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	44517	19.570	ug/l	98
56) Ethyl methacrylate	10.42	69	66968	18.881	ug/l	98
57) 1,3-Dichloropropane	10.70	76	76807	19.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	156960	89.040	ug/l	100
59) 2-Hexanone	10.74	43	231900	97.889	ug/l	100
60) Dibromochloromethane	10.89	129	44938	19.125	ug/l	99
61) 1,2-Dibromoethane	10.99	107	44232	19.338	ug/l	99
64) Tetrachloroethene	10.62	164	46119	19.294	ug/l	99
65) Chlorobenzene	11.42	112	114994	19.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42750	19.607	ug/l	98
67) Ethyl Benzene	11.50	91	216685	19.349	ug/l	100
68) m/p-Xylenes	11.61	106	158991	38.206	ug/l	100
69) o-Xylene	11.94	106	76431	19.240	ug/l	100
70) Styrene	11.96	104	118792	18.284	ug/l	97
71) Bromoform	12.12	173	30729	18.068	ug/l #	100
73) Isopropylbenzene	12.24	105	205647	19.294	ug/l	99
74) N-amyl acetate	12.06	43	91428	18.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	62436	19.371	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	56126m	18.314	ug/l	
77) Bromobenzene	12.52	156	47992	18.686	ug/l	99
78) n-propylbenzene	12.59	91	242118	19.228	ug/l	99
79) 2-Chlorotoluene	12.67	91	141991	18.872	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	173632	19.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	22139	18.554	ug/l	100
82) 4-Chlorotoluene	12.77	91	145258	18.956	ug/l	100
83) tert-Butylbenzene	12.99	119	145155	19.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	173298	19.367	ug/l	99
85) sec-Butylbenzene	13.17	105	199095	19.746	ug/l	100
86) p-Isopropyltoluene	13.28	119	178784	19.719	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	87539	19.325	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	84960	18.668	ug/l	98
89) n-Butylbenzene	13.61	91	160724	19.634	ug/l	100
90) Hexachloroethane	13.87	117	26365	20.005	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	84474	19.503	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11867	17.403	ug/l	97

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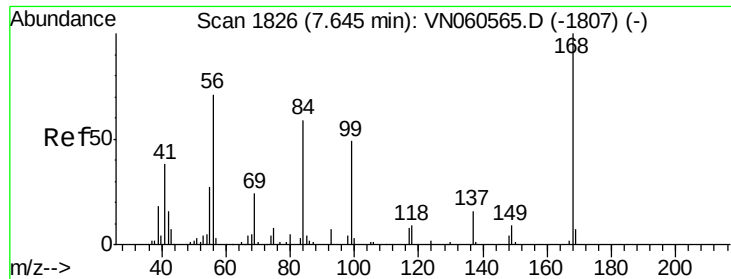
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49848	18.741	ug/l	98
94) Hexachlorobutadiene	15.01	225	27794	21.316	ug/l	98
95) Naphthalene	15.13	128	142119	17.764	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48220	18.405	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleID :

VN0406WBS01

Tot Ion:168 Resp: 204111

Ion Ratio Lower Upper

168 100

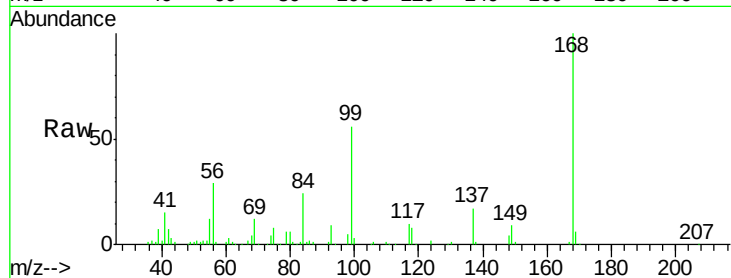
99 56.5 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

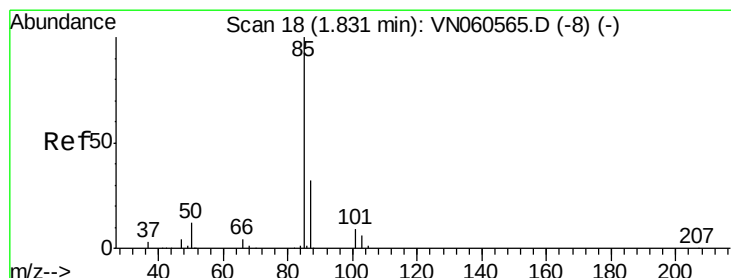
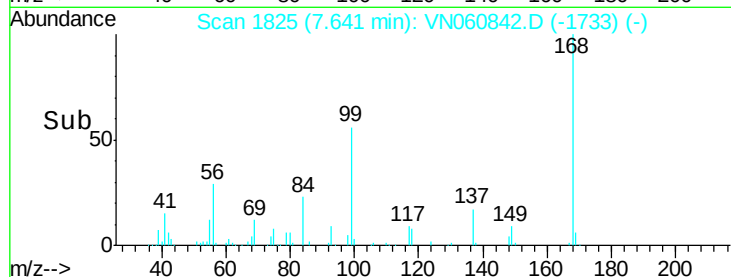
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.110 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060842.D

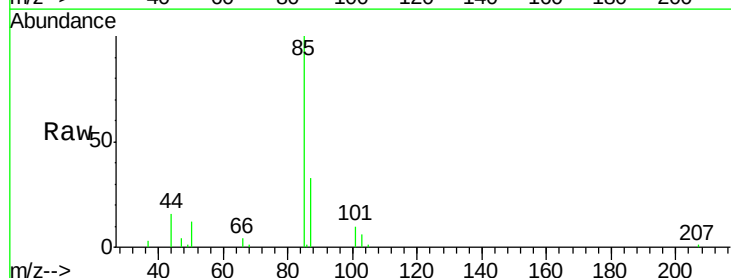
Acq: 6 Apr 2020 11:38

Tgt Ion: 85 Resp: 33791

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

25000

20000

15000

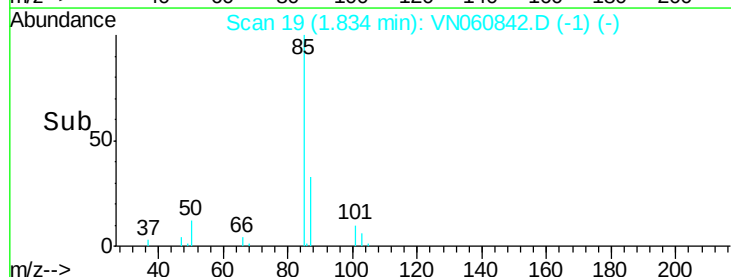
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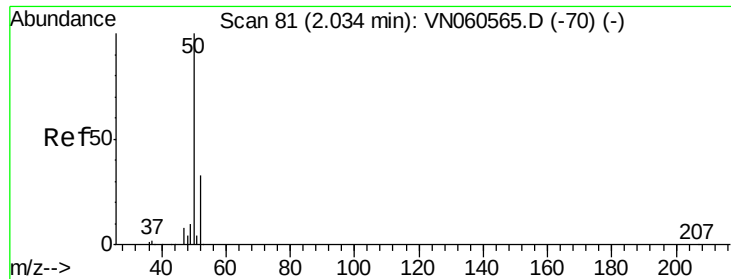
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.280 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion: 50 Resp: 60051

Ion Ratio Lower Upper

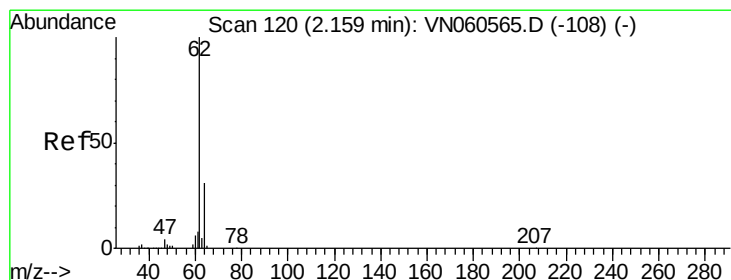
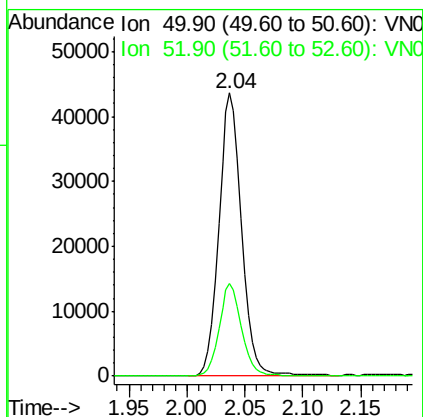
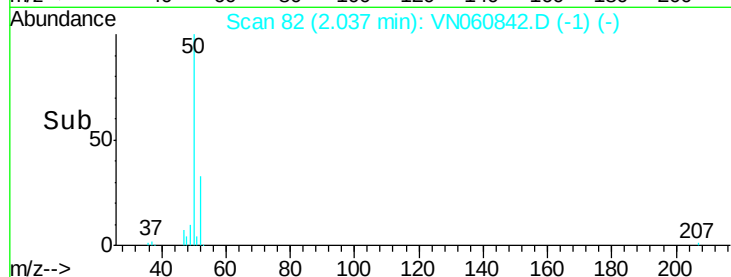
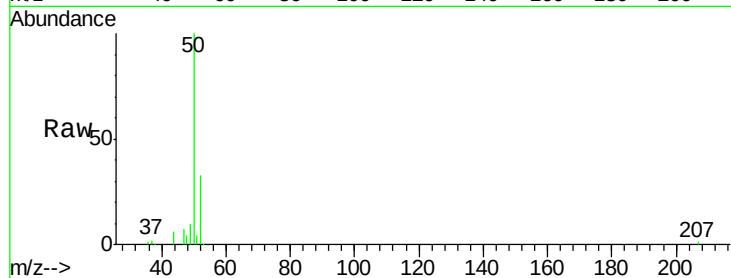
50 100

52 32.7 26.2 39.2

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#4

Vinyl Chloride

Concen: 16.749 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060842.D

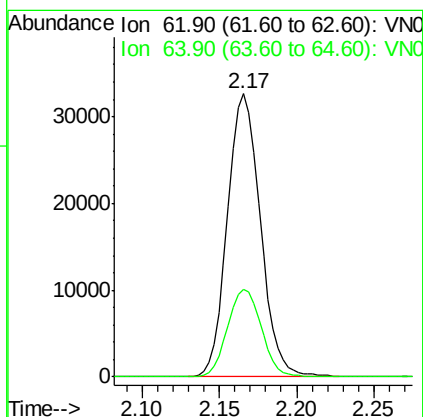
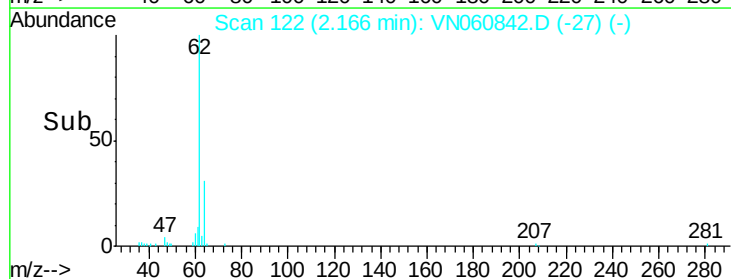
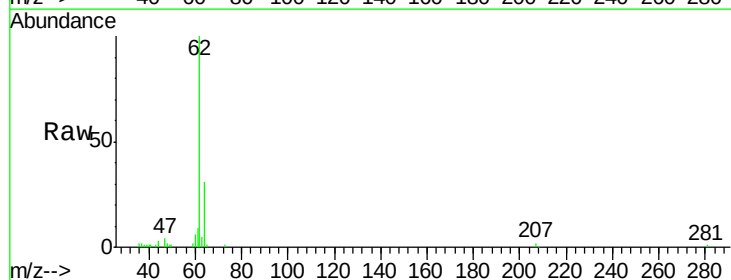
Acq: 6 Apr 2020 11:38

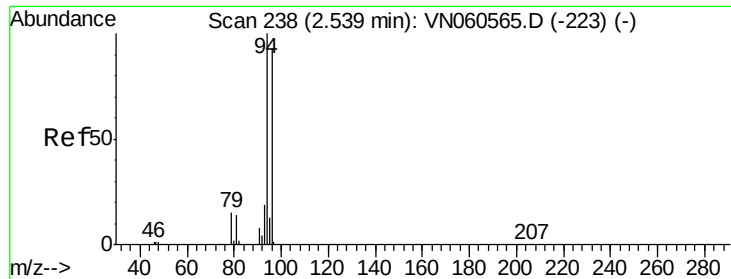
Tgt Ion: 62 Resp: 48321

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 19.622 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

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VN0406WBS01

Tot Ion: 94 Resp: 24438

Ion Ratio Lower Upper

94 100

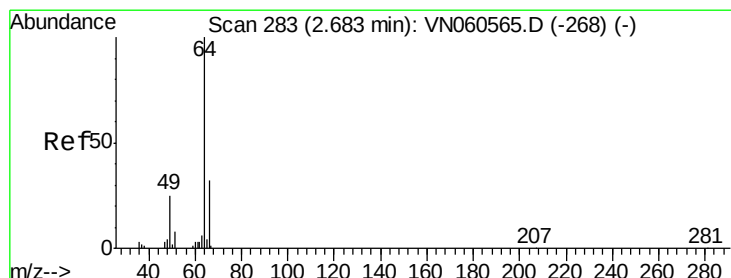
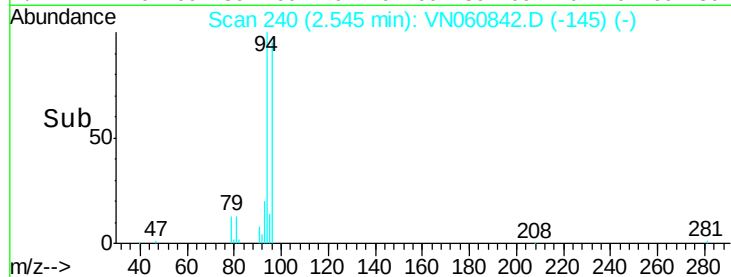
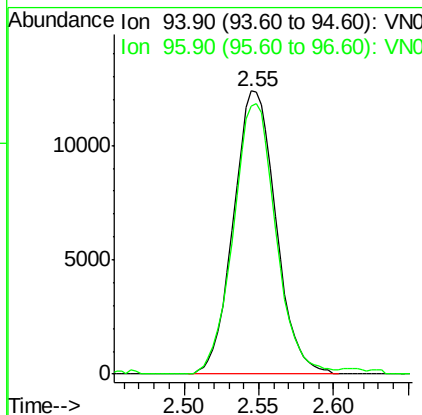
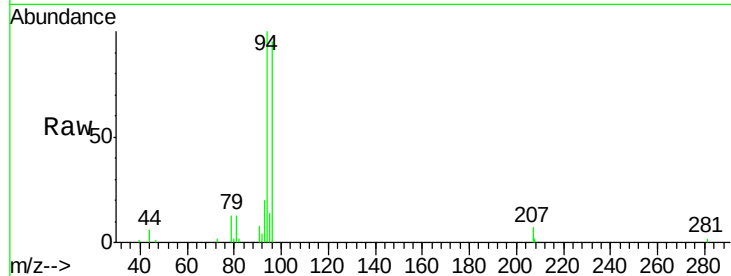
96 94.5 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 17.841 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060842.D

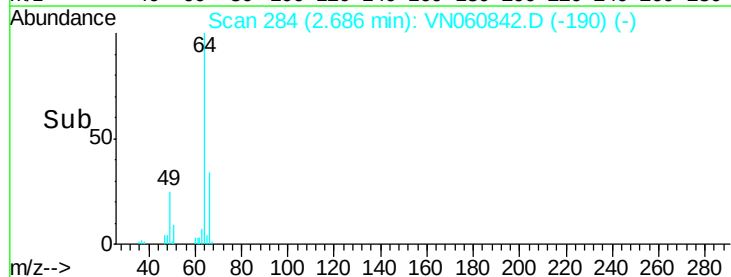
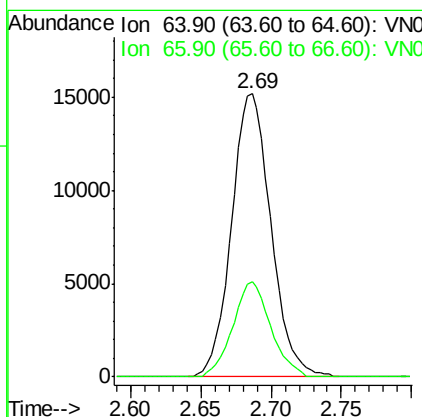
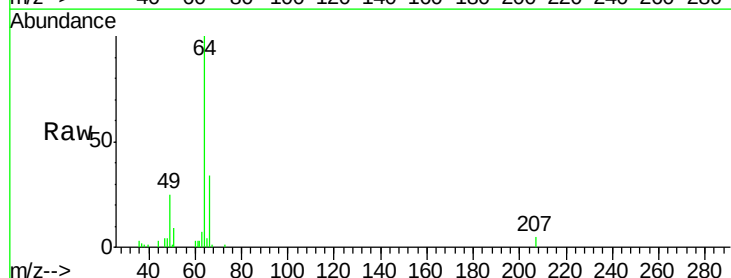
Acq: 6 Apr 2020 11:38

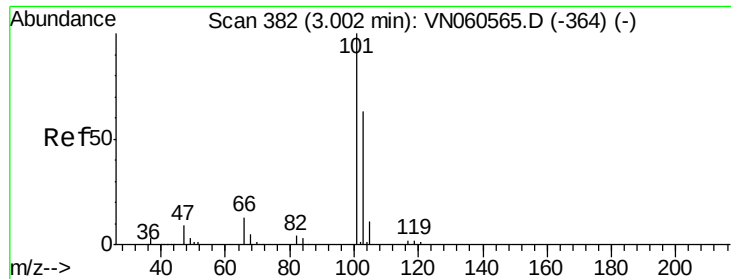
Tgt Ion: 64 Resp: 29651

Ion Ratio Lower Upper

64 100

66 33.8 25.3 37.9





#7

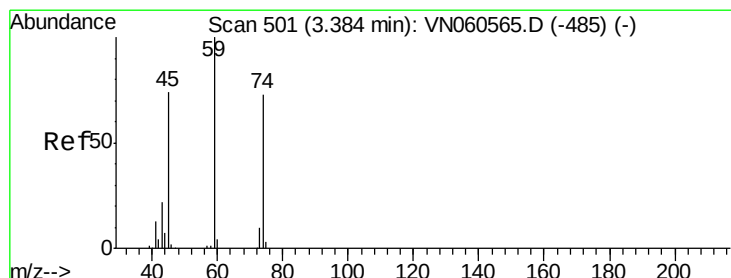
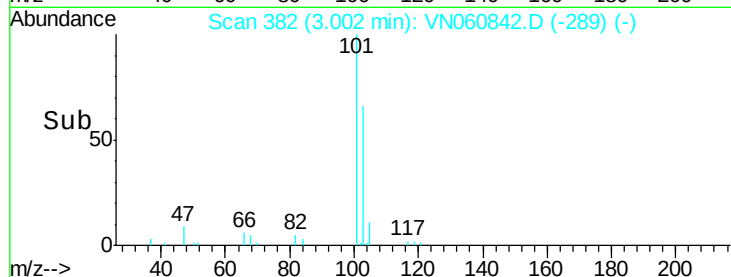
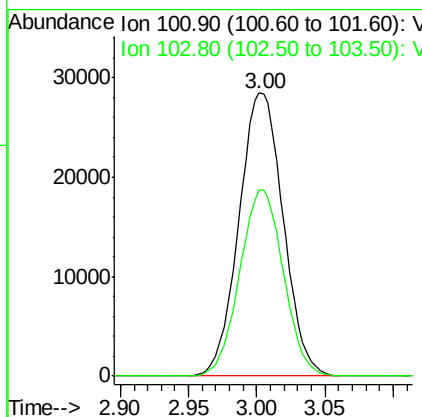
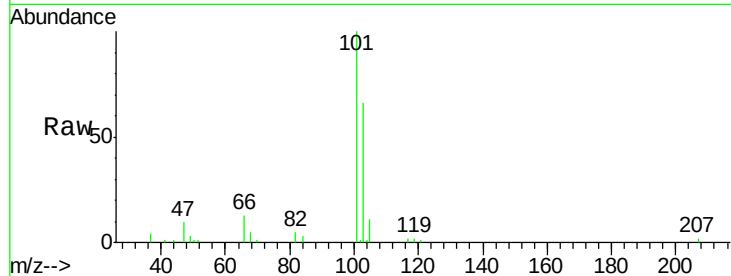
Trichlorofluoromethane
 Concen: 18.009 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060842.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		64002		
103	65.5	50.6	76.0		

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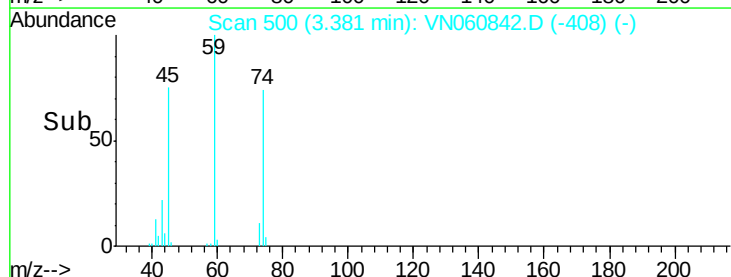
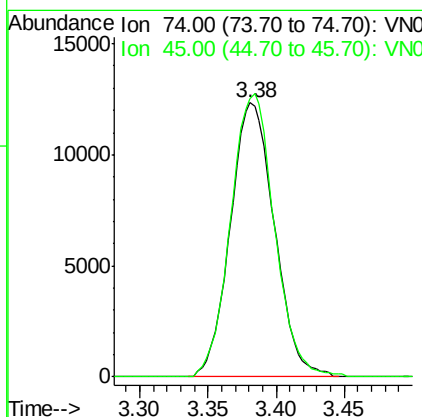
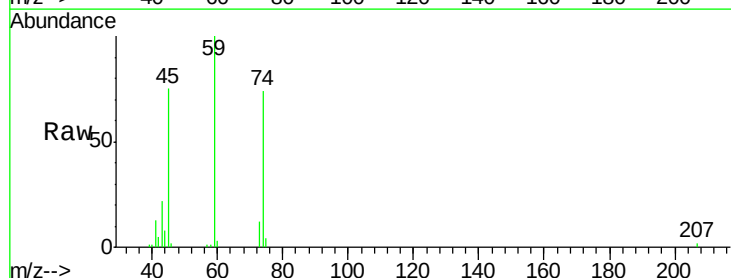
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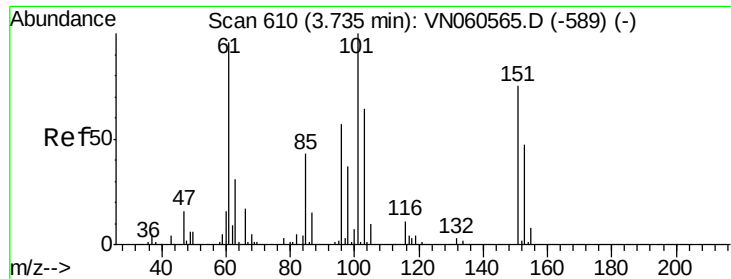


#8

Diethyl Ether
 Concen: 19.402 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		27700		
45	102.8	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.369 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

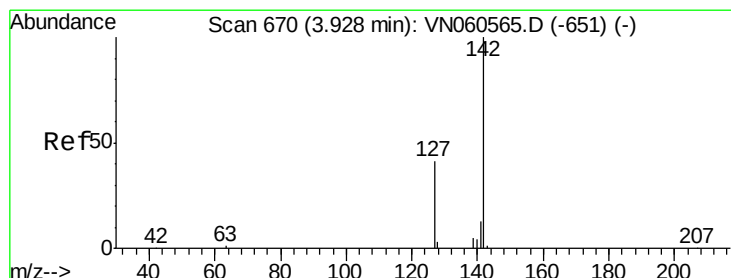
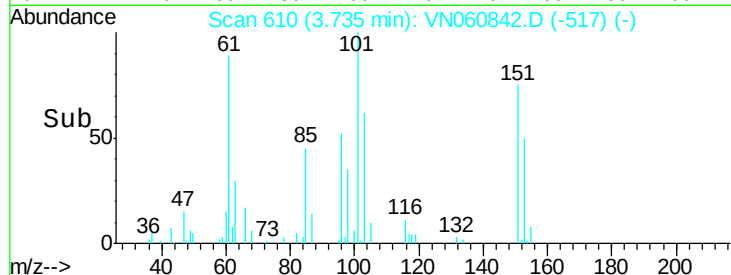
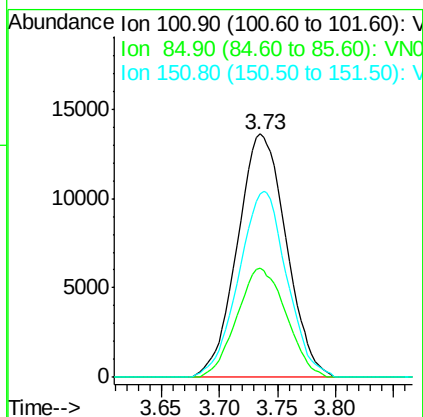
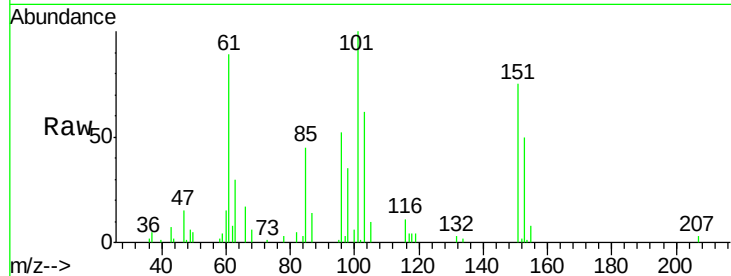
ClientSampled :

VN0406WBS01

Tot Ion:	101	Resp:	39886
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.6	53.4
151	75.2	61.4	92.2

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#10

Methyl Iodide

Concen: 18.436 ug/l

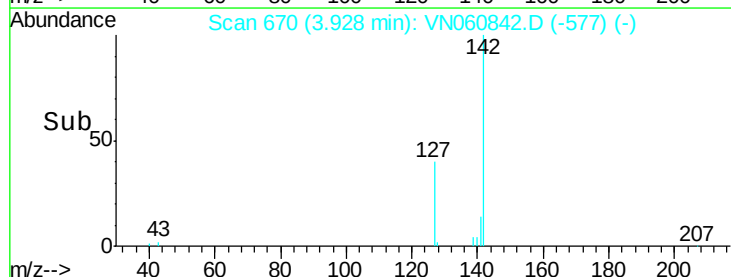
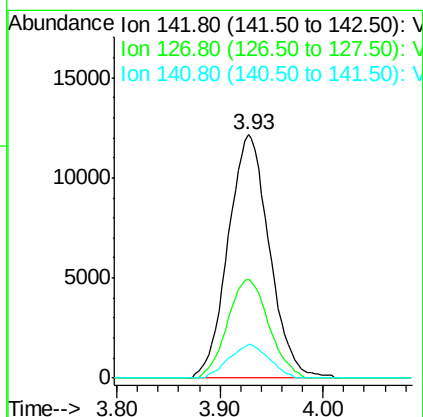
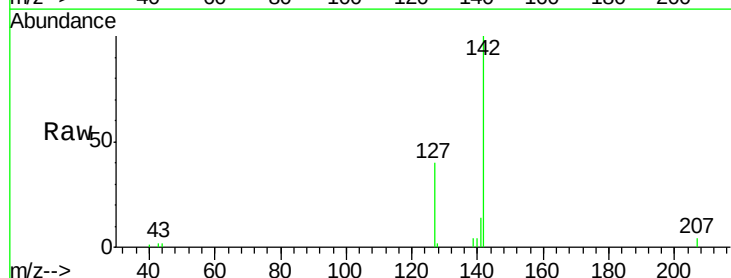
RT: 3.93 min Scan# 670

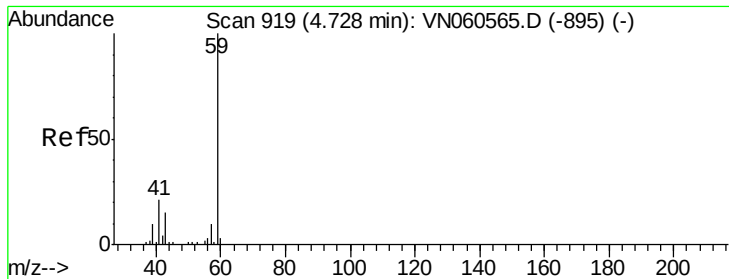
Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Tgt Ion:	142	Resp:	33782
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.5	50.3
141	13.4	11.0	16.6





#11

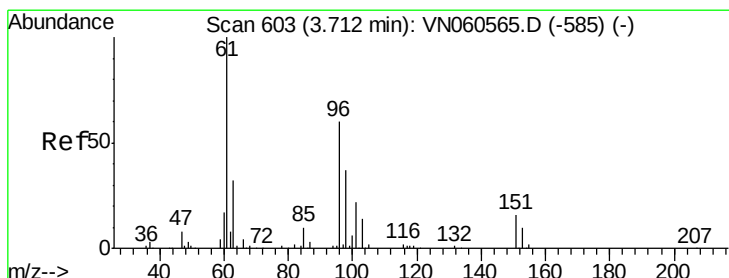
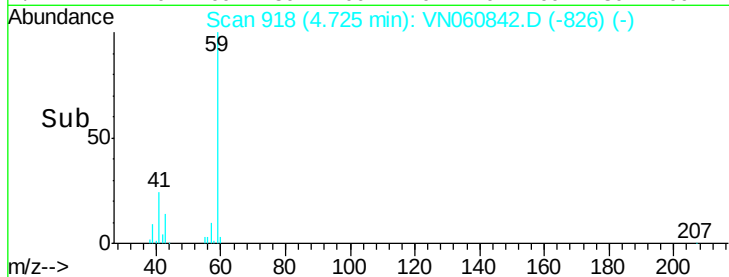
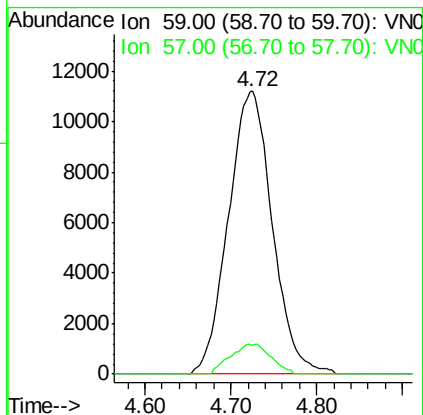
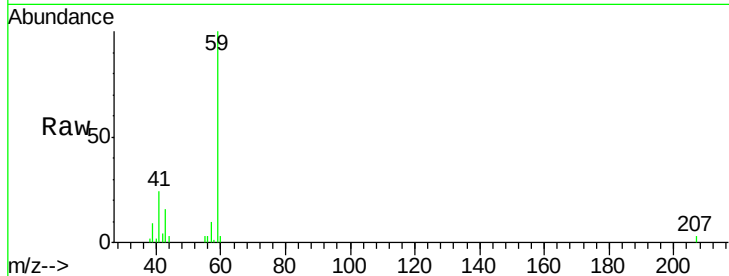
Tert butyl alcohol
Concen: 96.541 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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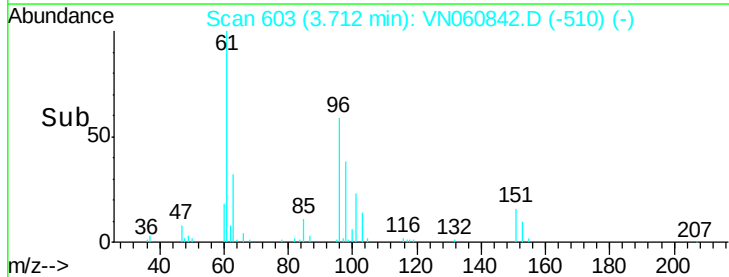
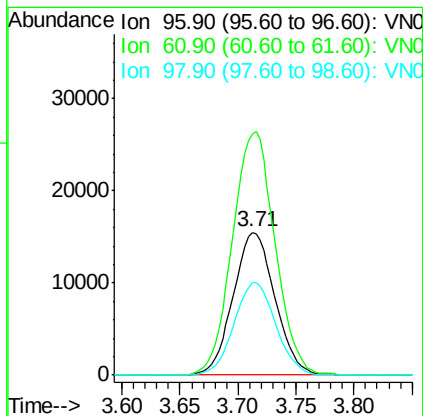
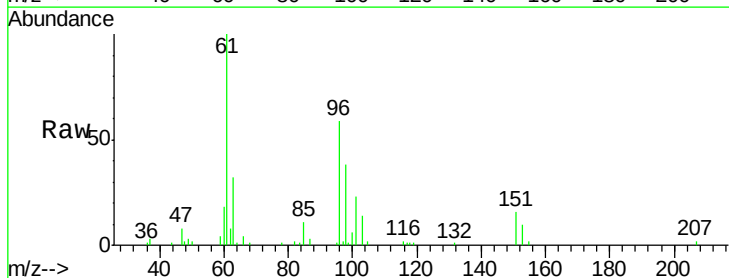
MMDadoda
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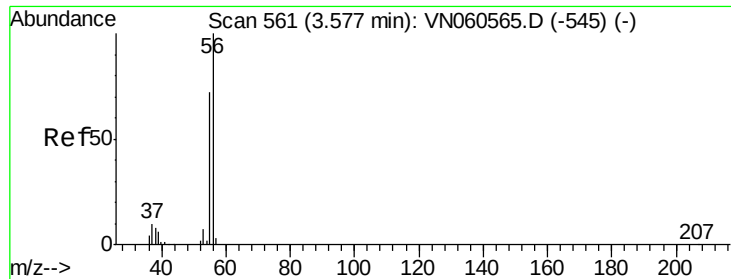


#12

1,1-Dichloroethene
Concen: 17.601 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.3	134.1	201.1
98	64.6	49.9	74.9





#13

Acrolein

Concen: 70.141 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0406WBS01

Tot Ion: 56 Resp: 32034

Ion Ratio Lower Upper

56 100

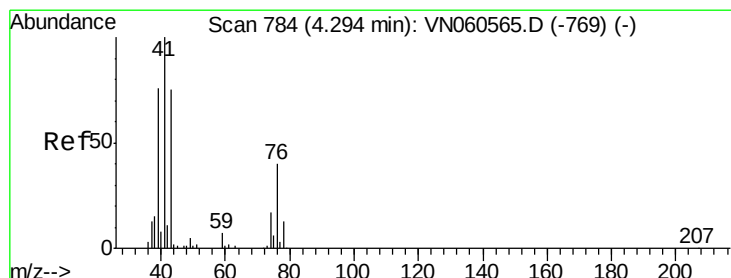
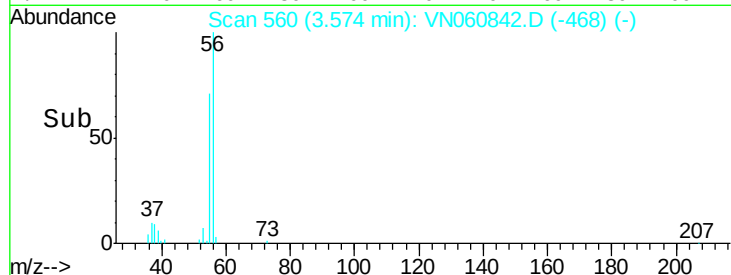
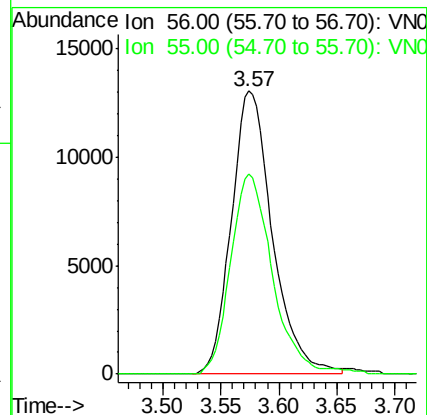
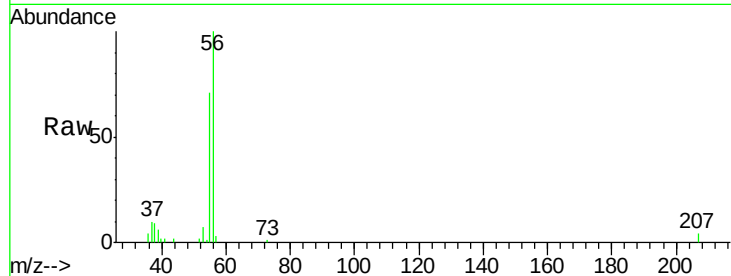
55 72.3 56.7 85.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 19.013 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

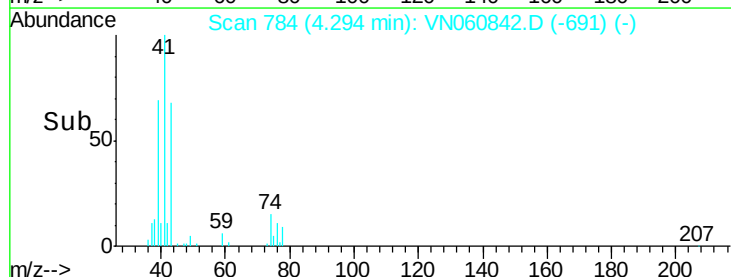
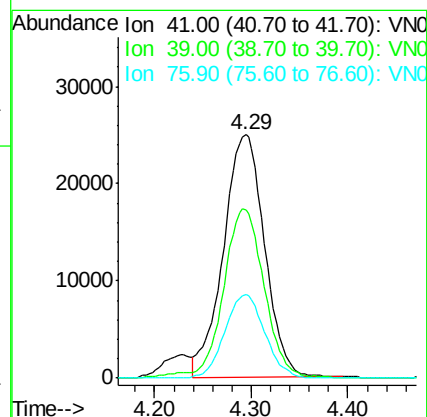
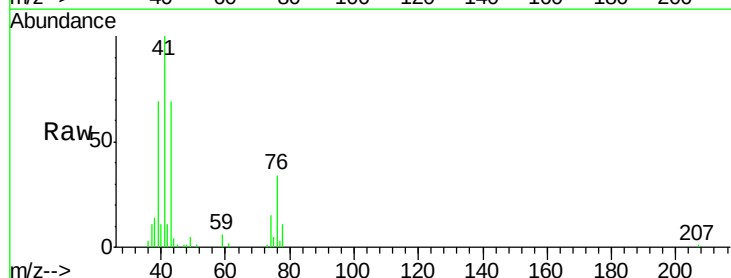
Tgt Ion: 41 Resp: 73899

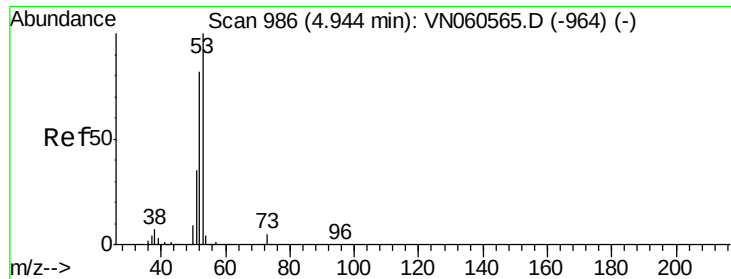
Ion Ratio Lower Upper

41 100

39 66.3 57.8 86.8

76 33.3 28.6 43.0





#15

Acrylonitrile

Concen: 96.535 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

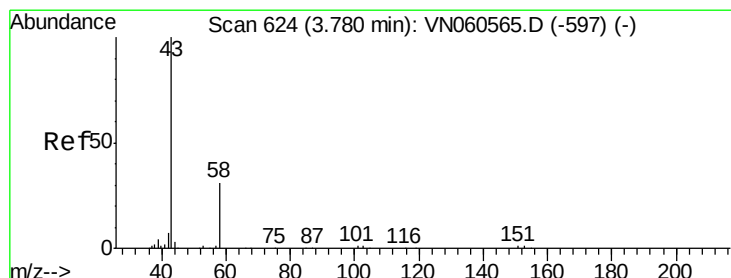
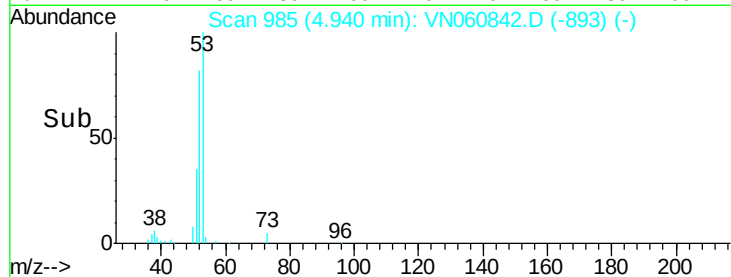
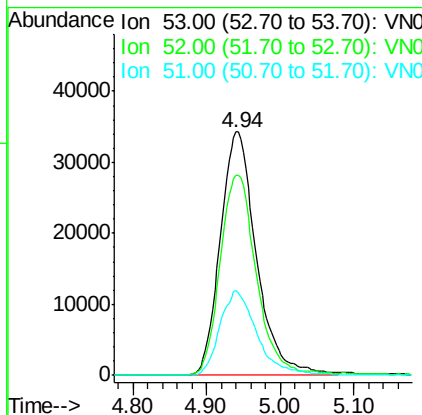
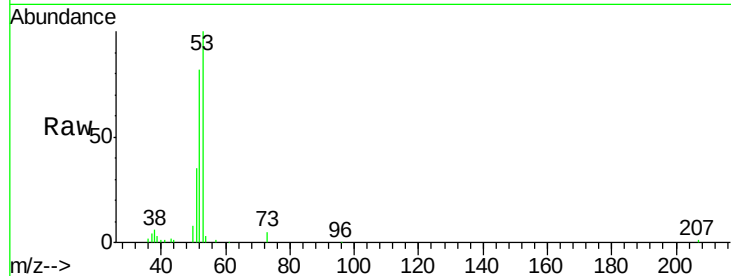
ClientSampleId :

VN0406WBS01

Tot Ion:	53	Resp:	116978
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.2	99.4
51	35.3	28.7	43.1

Manual Integrations
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4/7/2020 3:21:41 PM



#16

Acetone

Concen: 116.326 ug/l

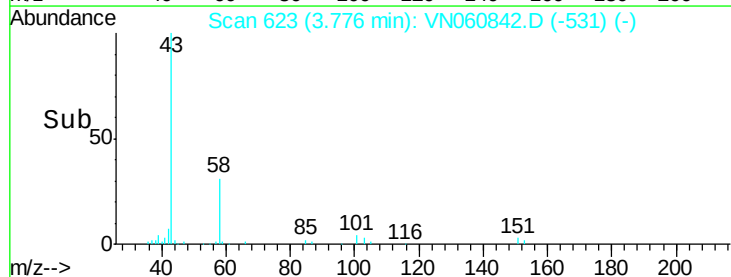
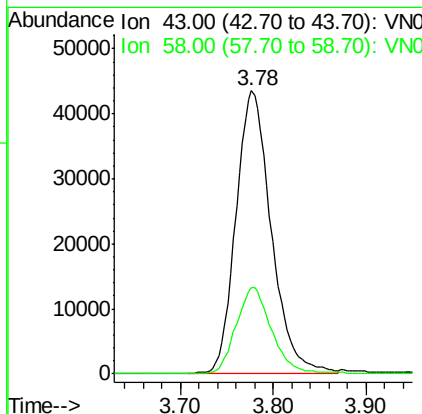
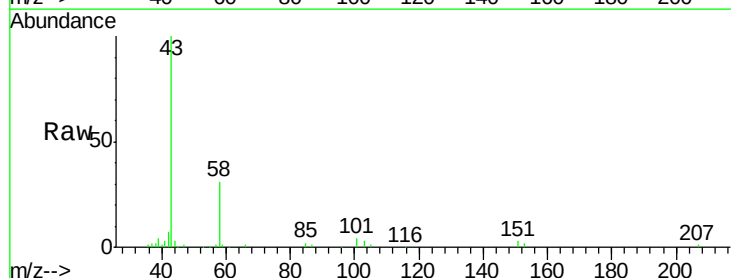
RT: 3.78 min Scan# 623

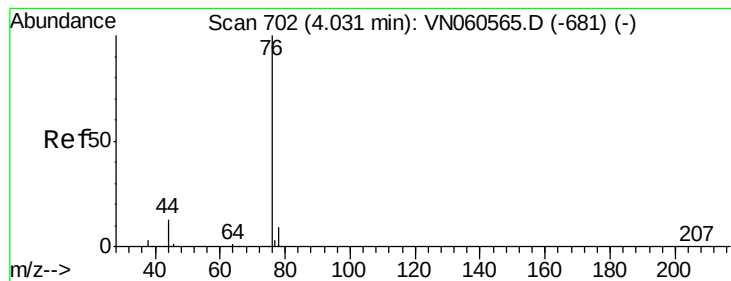
Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Tgt Ion:	43	Resp:	115456
Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.1	37.7





#17

Carbon Disulfide

Concen: 16.609 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion: 76 Resp: 111627

Ion Ratio Lower Upper

76 100

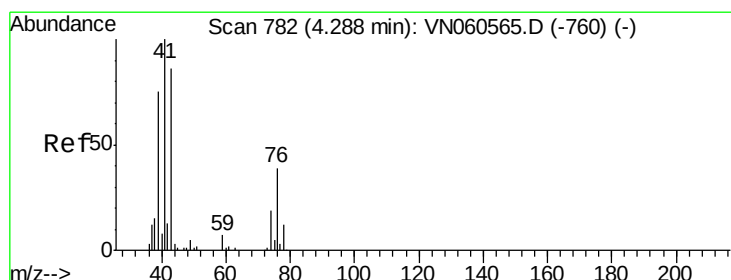
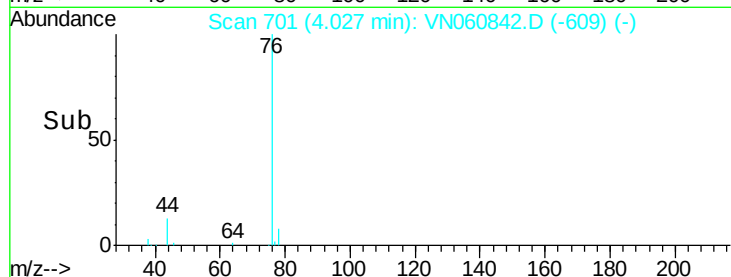
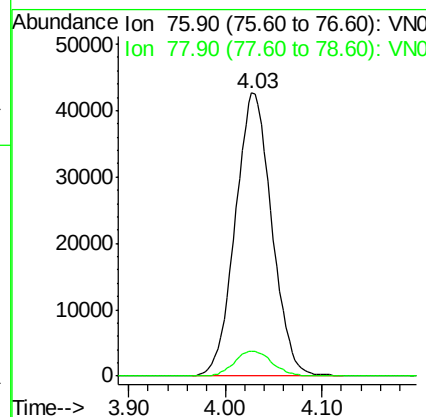
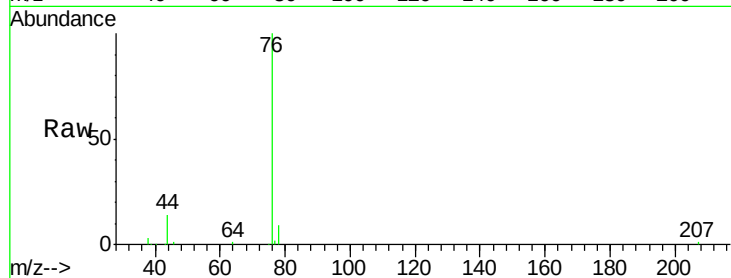
78 8.9 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 20.444 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060842.D

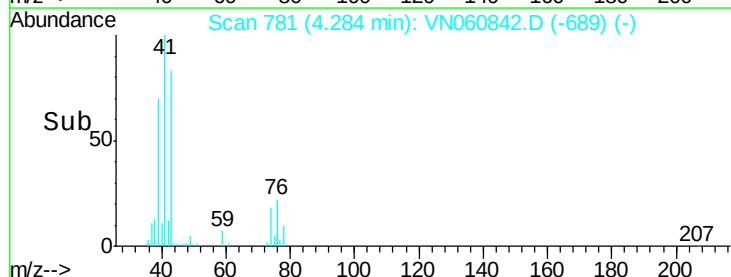
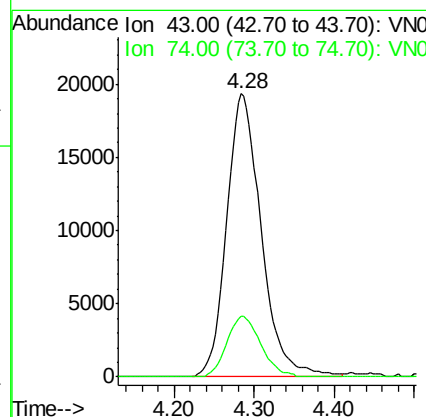
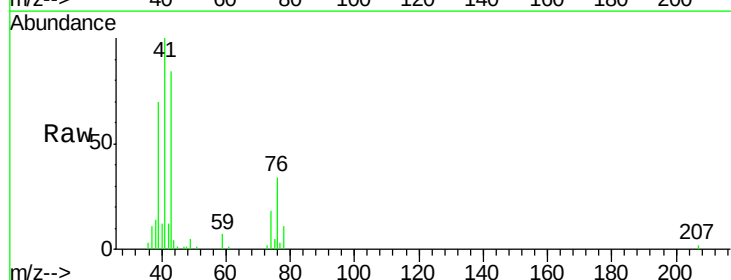
Acq: 6 Apr 2020 11:38

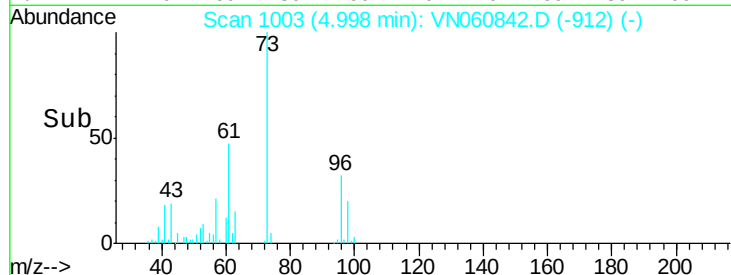
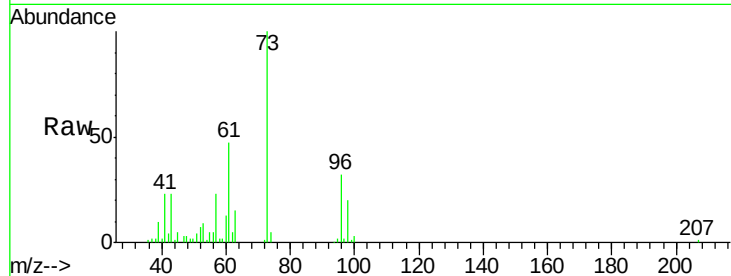
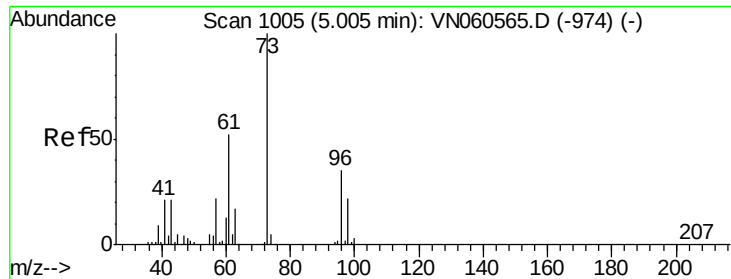
Tgt Ion: 43 Resp: 57115

Ion Ratio Lower Upper

43 100

74 20.9 17.5 26.3





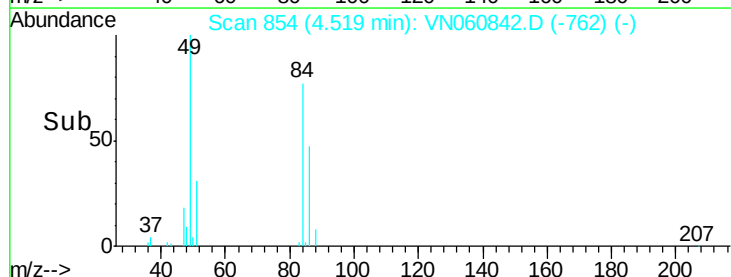
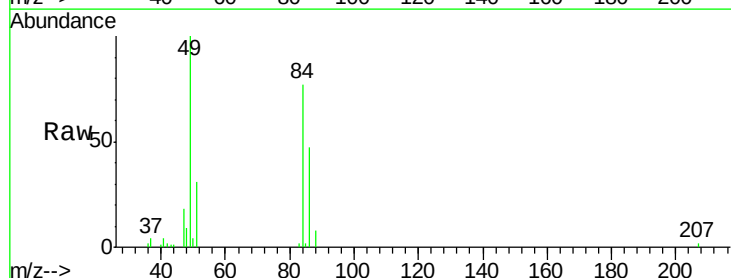
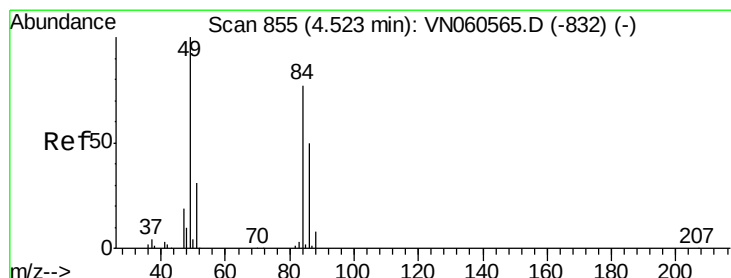
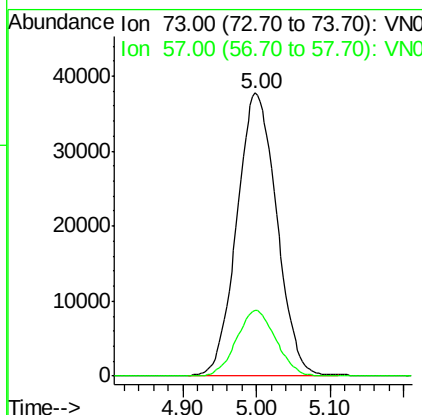
#19
Methyl tert-butyl Ether
Concen: 18.693 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tot Ion: 73 Resp: 142026
Ion Ratio Lower Upper
73 100
57 23.2 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

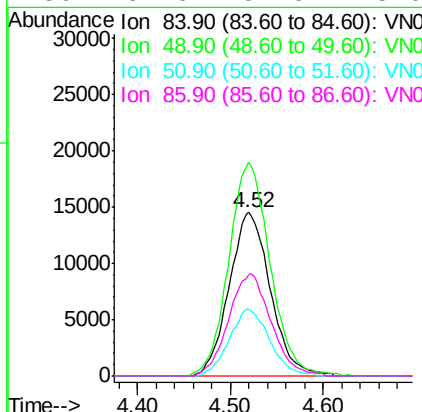
Manual Integrations
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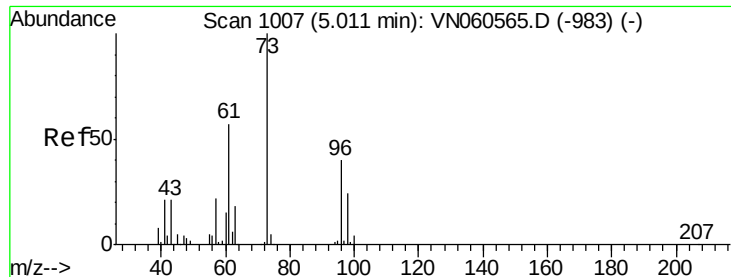
MMDadoda
4/7/2020 3:21:41 PM



#20
Methylene Chloride
Concen: 18.369 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion: 84 Resp: 44849
Ion Ratio Lower Upper
84 100
49 130.5 103.3 154.9
51 41.1 31.6 47.4
86 61.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.231 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion: 96 Resp: 42938

Ion Ratio Lower Upper

96 100

61 148.3 114.4 171.6

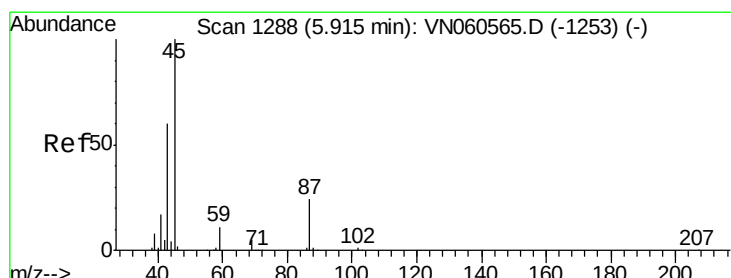
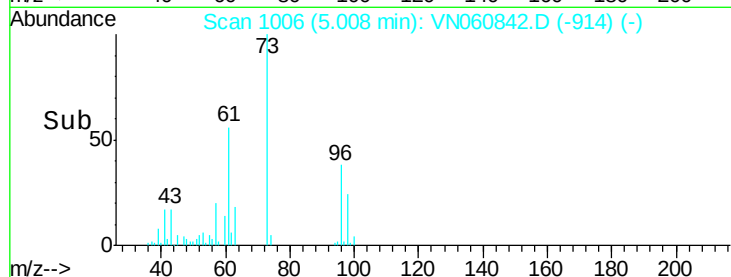
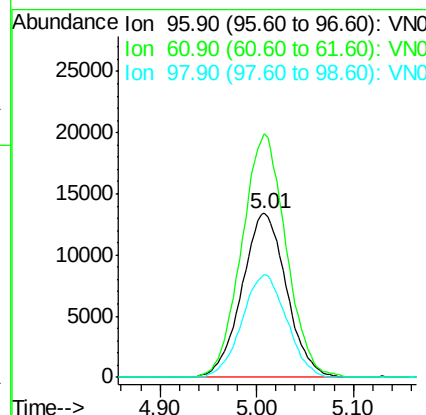
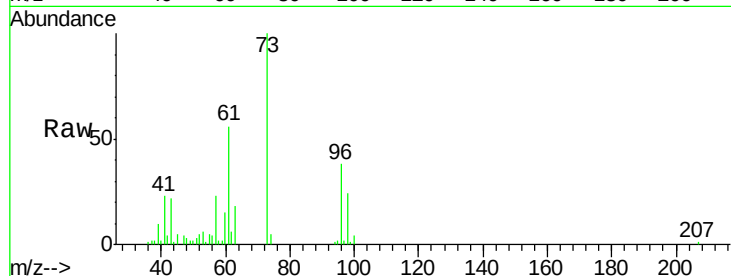
98 62.3 48.4 72.6

Manual Integrations

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4/7/2020 3:21:41 PM



#22

Diisopropyl ether

Concen: 19.757 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Tgt Ion: 45 Resp: 162231

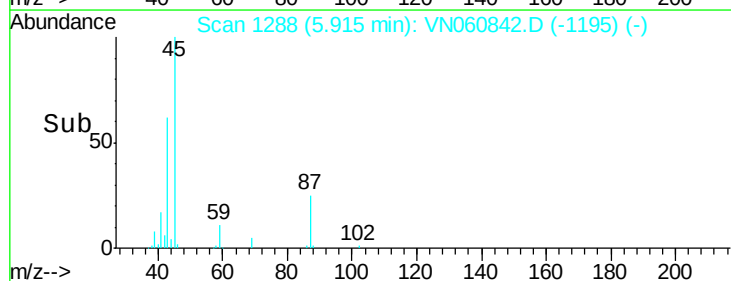
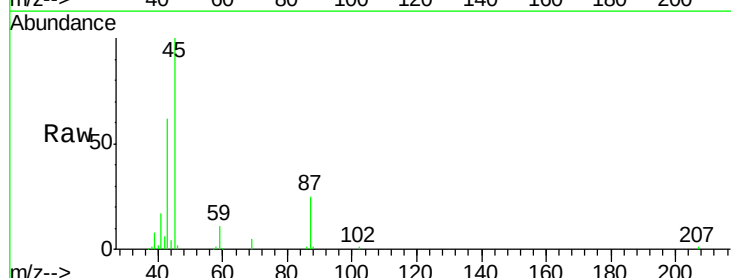
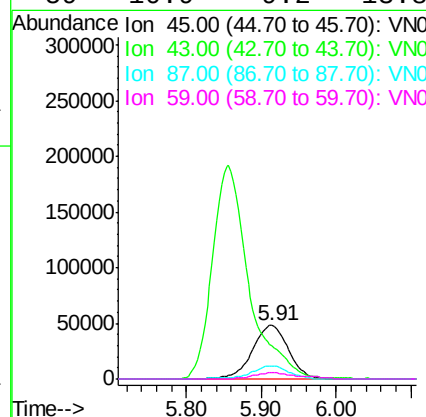
Ion Ratio Lower Upper

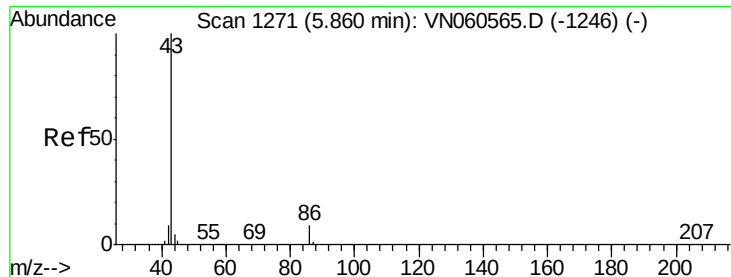
45 100

43 60.0 49.8 74.8

87 24.8 20.1 30.1

59 10.9 9.2 13.8





#23

Vinyl Acetate

Concen: 97.382 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion: 43 Resp: 652441

Ion Ratio Lower Upper

43 100

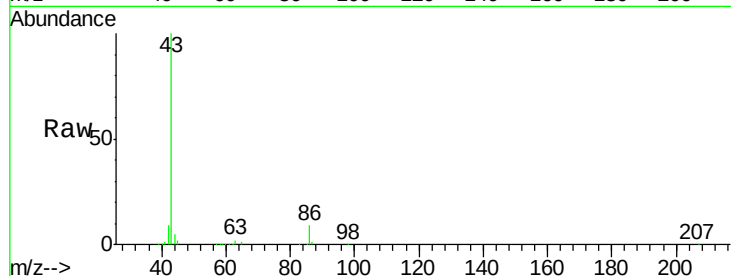
86 9.4 7.6 11.4

Manual Integrations

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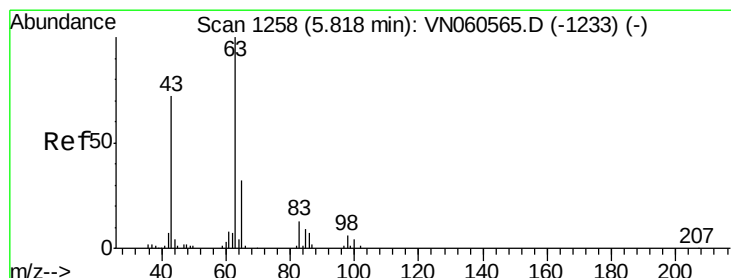
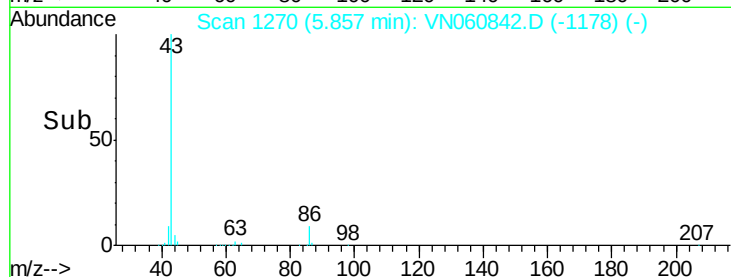
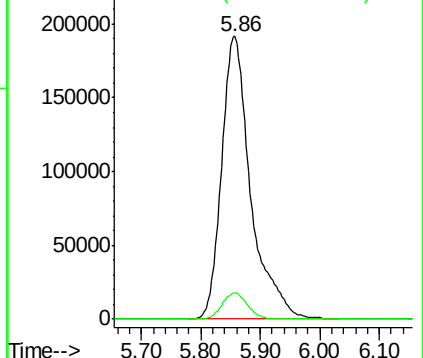
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.032 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

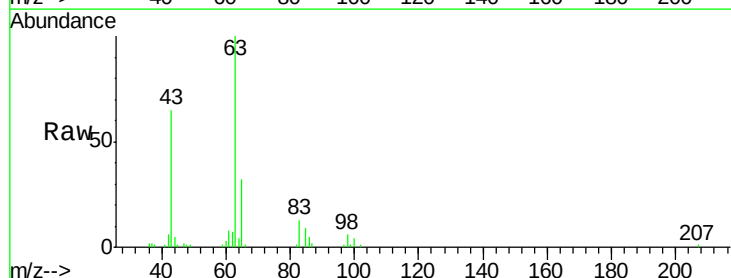
Tgt Ion: 63 Resp: 85197

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

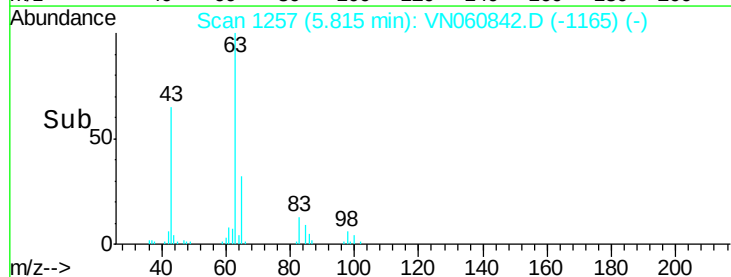
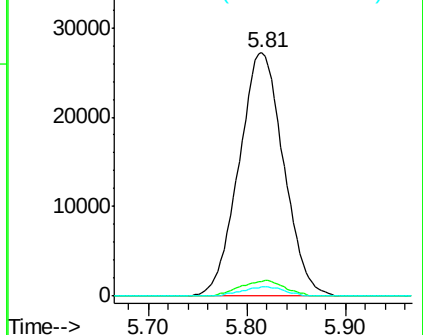
100 3.7 1.8 5.5

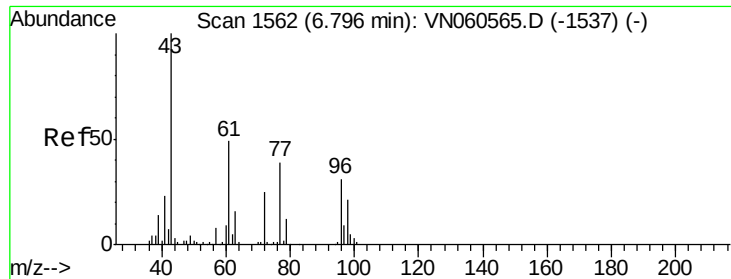


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 101.173 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion: 43 Resp: 162491

Ion Ratio Lower Upper

43 100

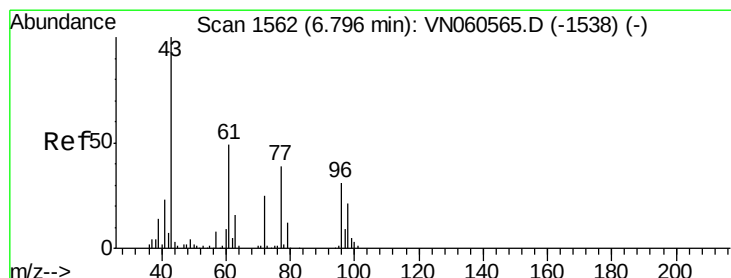
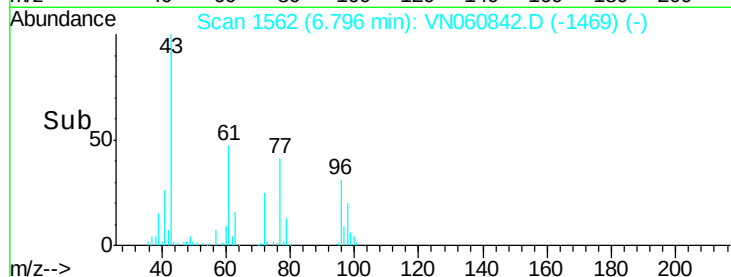
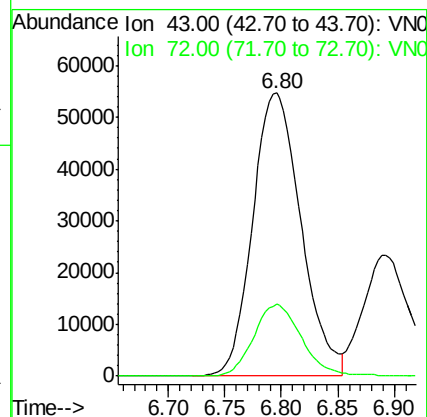
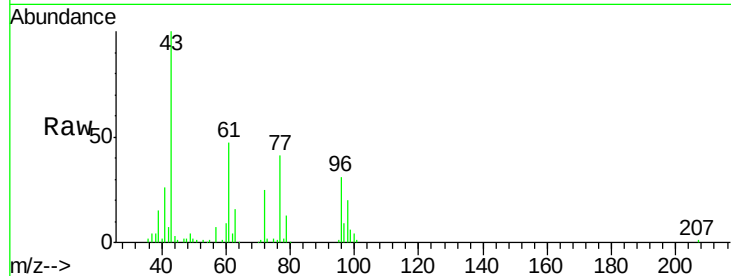
72 25.4 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.705 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060842.D

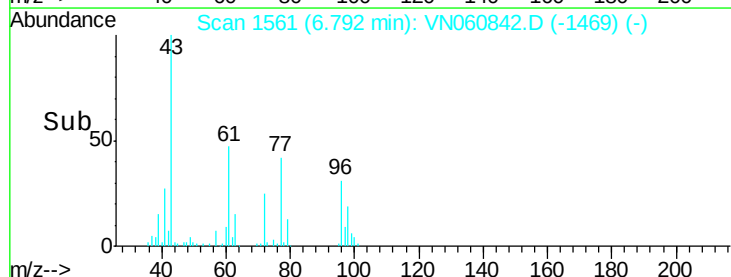
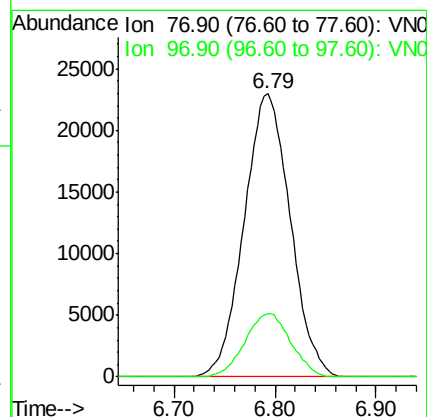
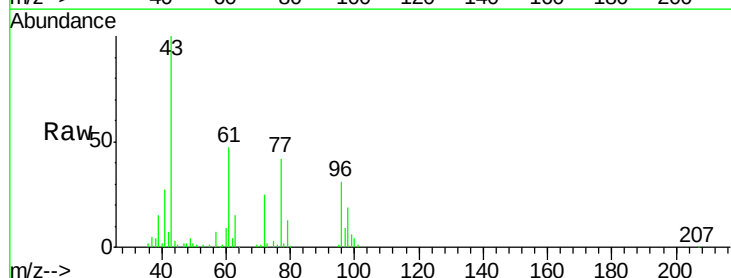
Acq: 6 Apr 2020 11:38

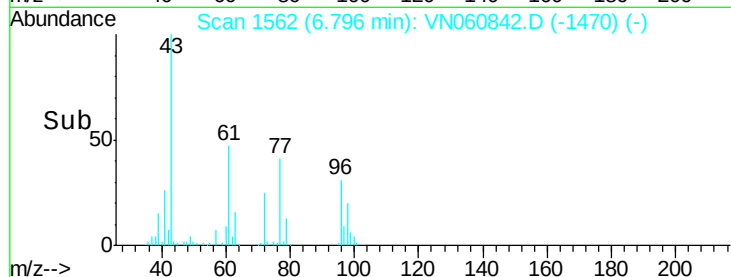
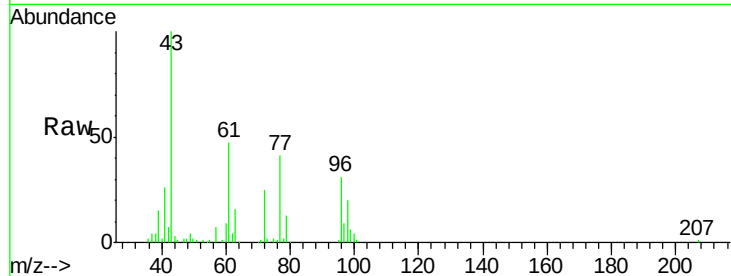
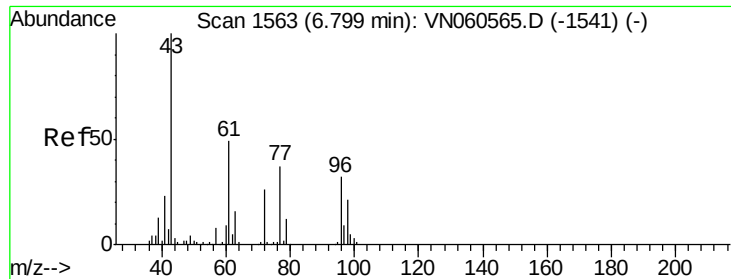
Tgt Ion: 77 Resp: 72922

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.857 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060842.D

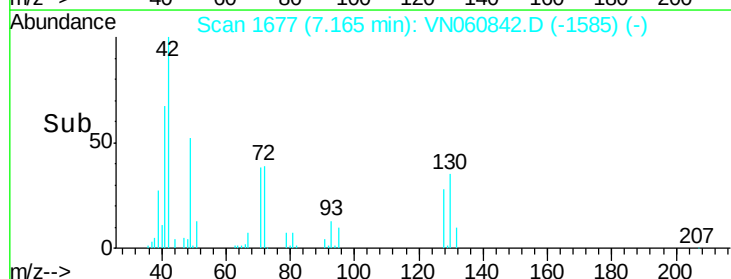
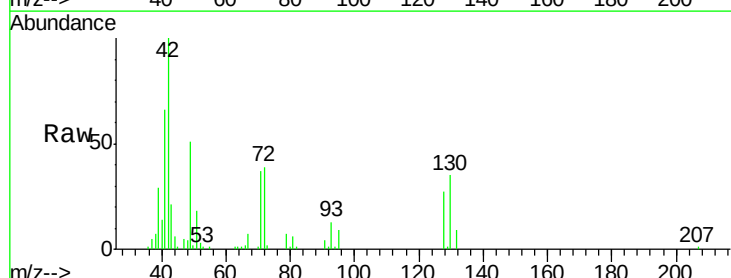
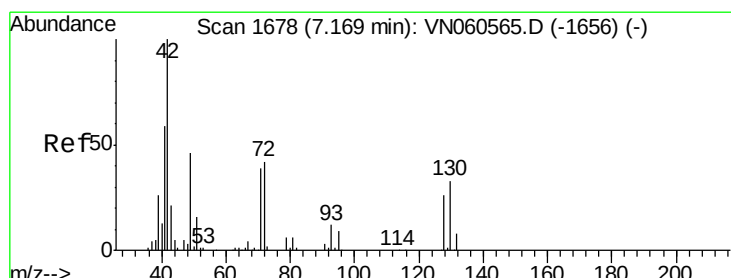
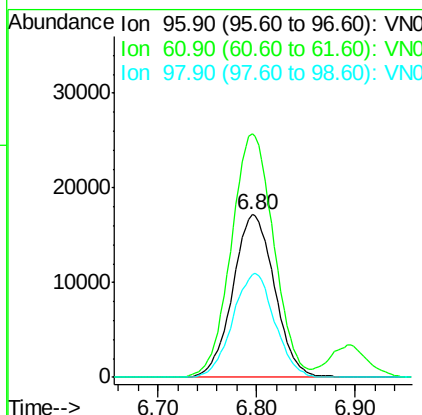
Acq: 6 Apr 2020 11:38

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.3	0.0	305.6	
98	63.9	0.0	127.6	

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Manual Integrations
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#28

Bromochloromethane

Concen: 19.883 ug/l

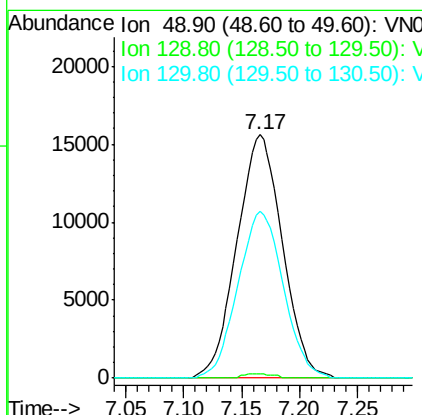
RT: 7.17 min Scan# 1677

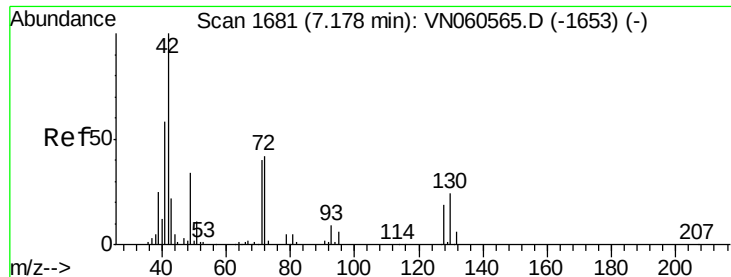
Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	3.4	
130	68.3	55.0	82.4	





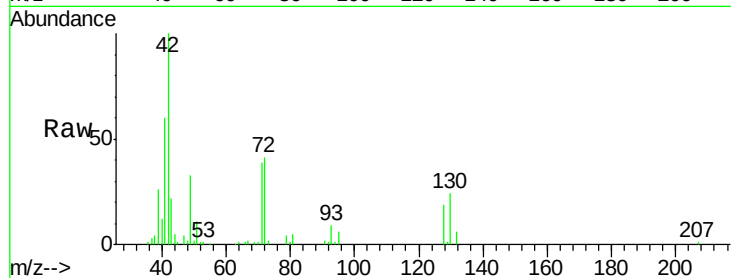
#29
Tetrahydrofuran
Concen: 92.875 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

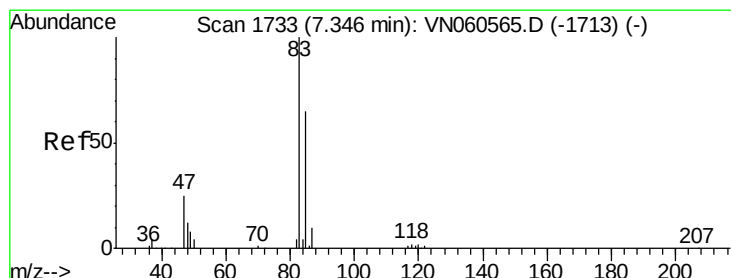
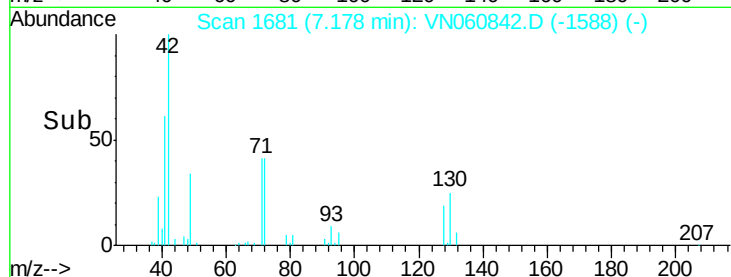
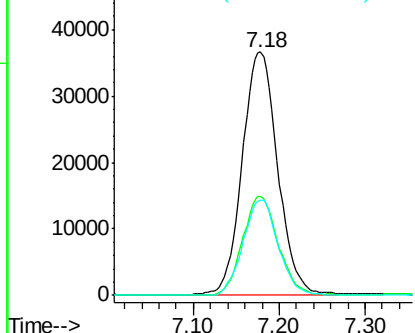
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	33.2	49.8
71	38.5	31.1	46.7

Manual Integrations
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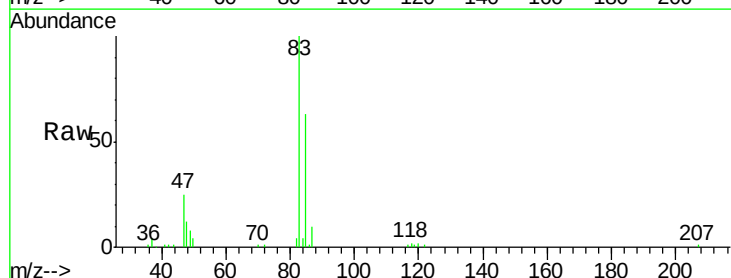


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

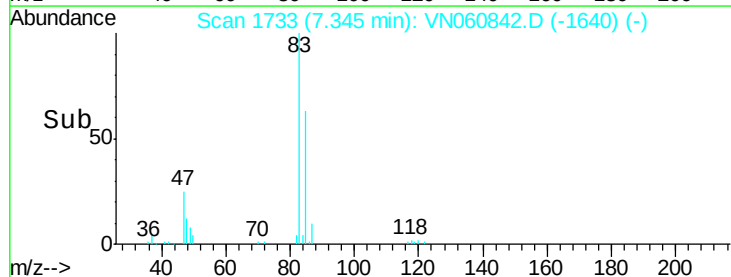
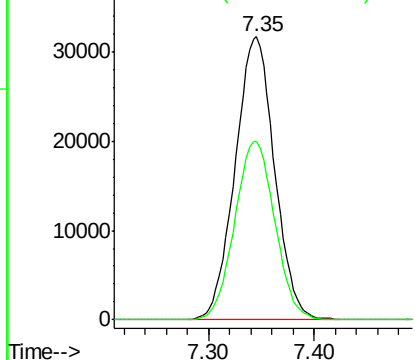


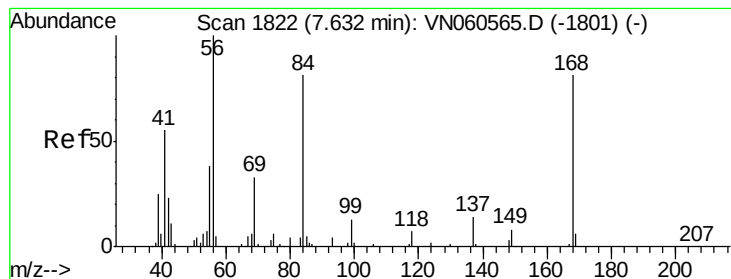
#30
Chloroform
Concen: 19.137 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.056 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0406WBS01

Tot Ion: 56 Resp: 81487

Ion Ratio Lower Upper

56 100

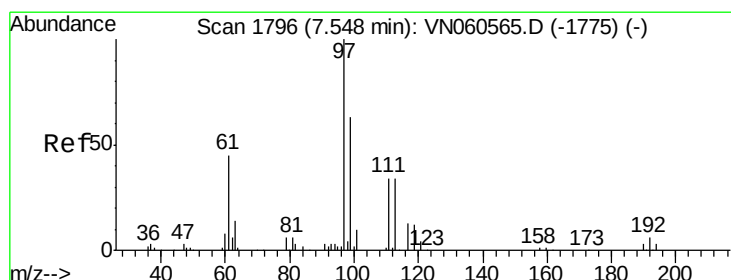
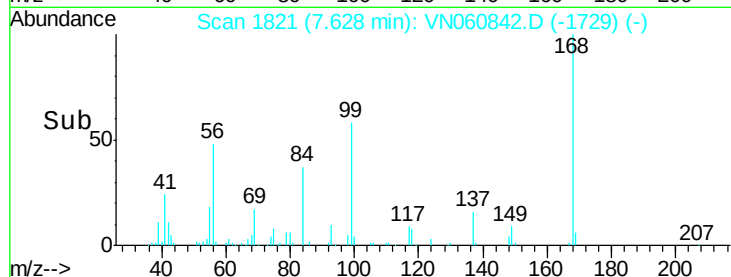
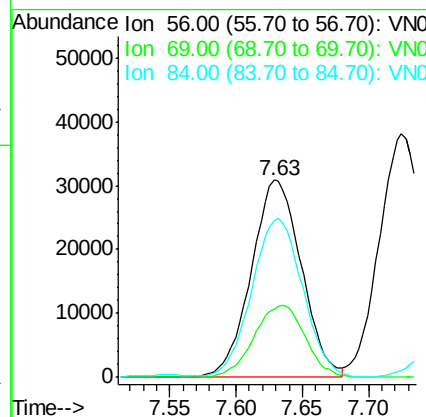
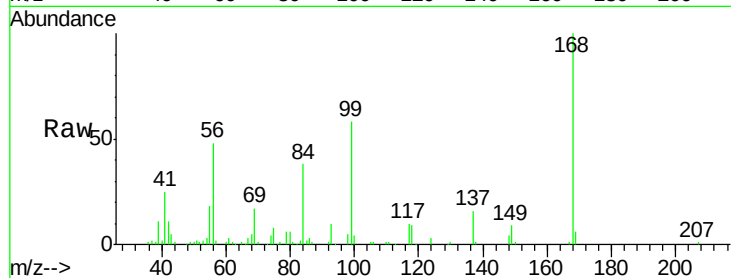
69 34.8 26.6 40.0

84 78.6 64.3 96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.669 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

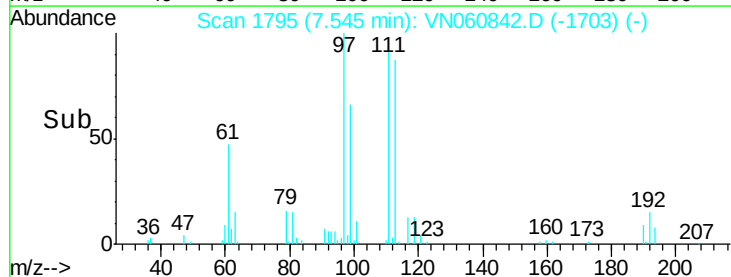
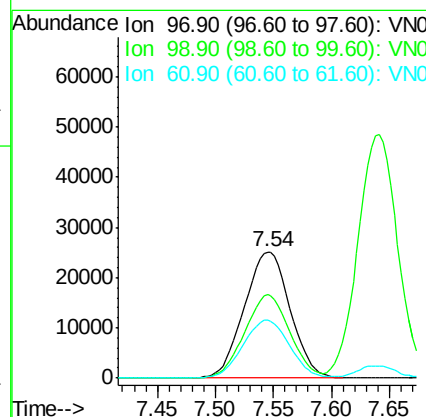
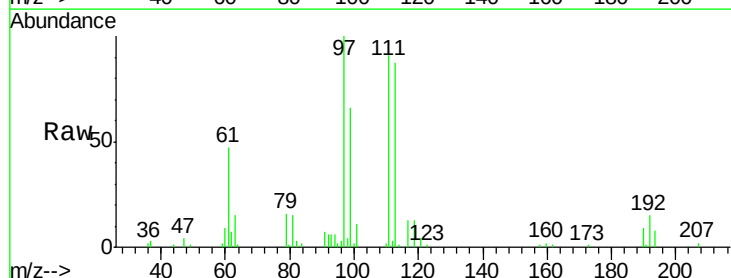
Tgt Ion: 97 Resp: 69065

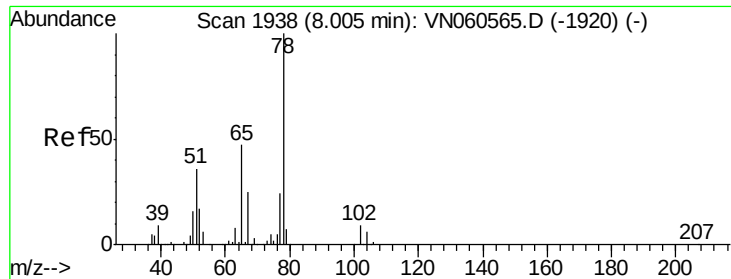
Ion Ratio Lower Upper

97 100

99 64.9 50.6 75.8

61 46.7 36.2 54.4





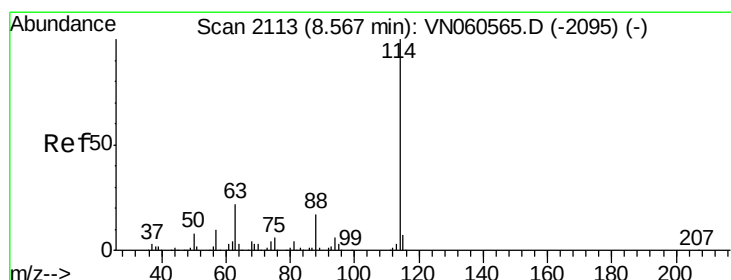
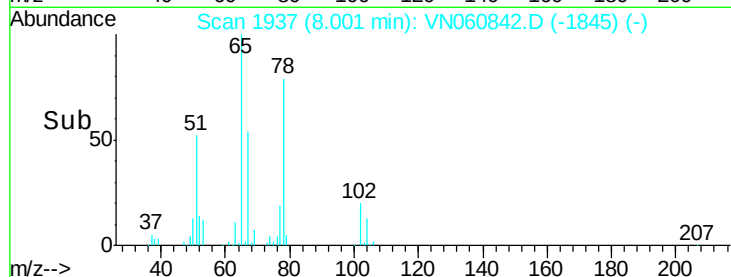
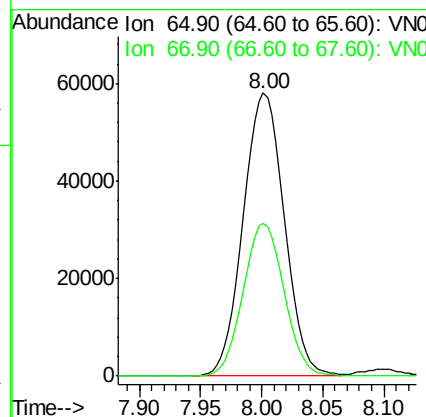
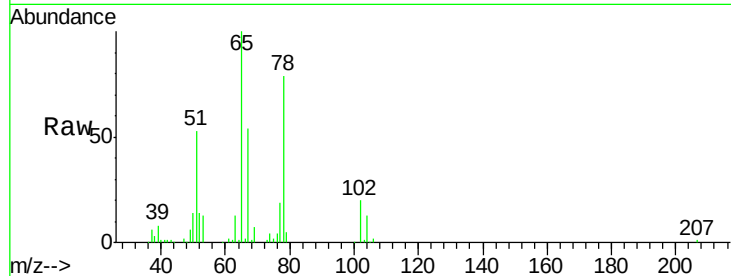
#33
 1,2-Dichloroethane-d4
 Concen: 48.360 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135503		
67	53.7	0.0	107.6	

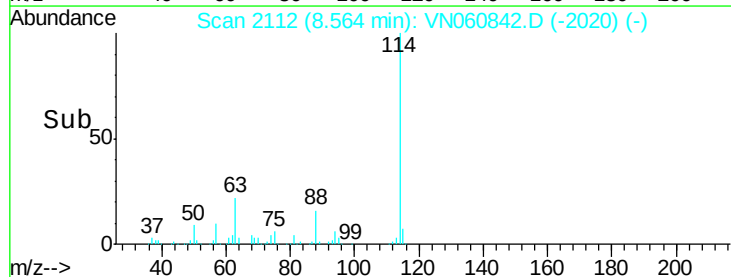
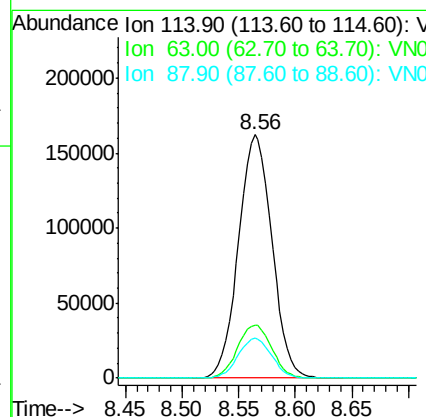
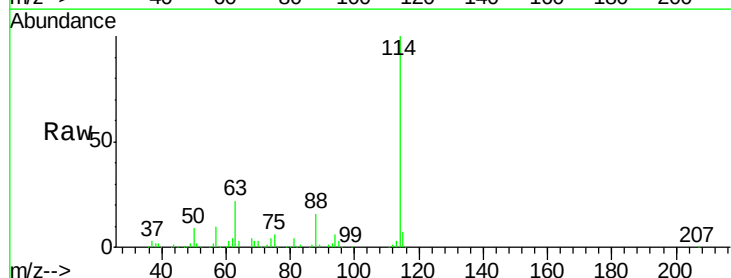
Manual Integrations
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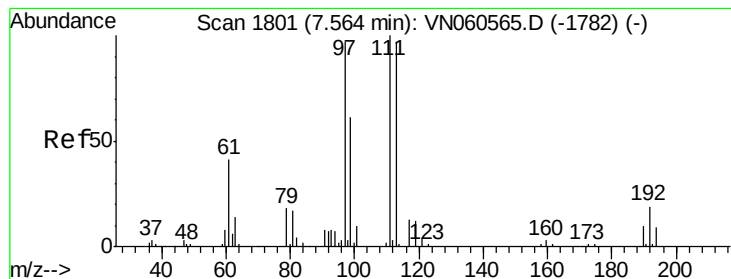
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334933		
63	22.0	0.0	43.8	
88	16.3	0.0	33.0	





#35

Dibromofluoromethane

Concen: 50.912 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

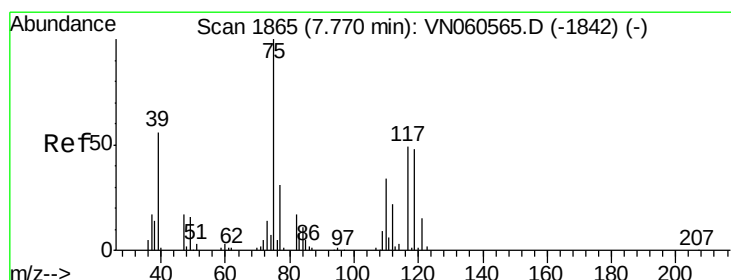
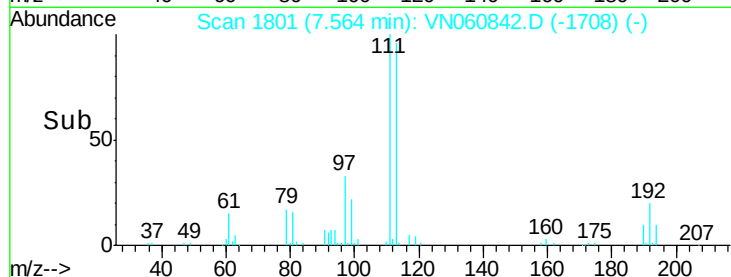
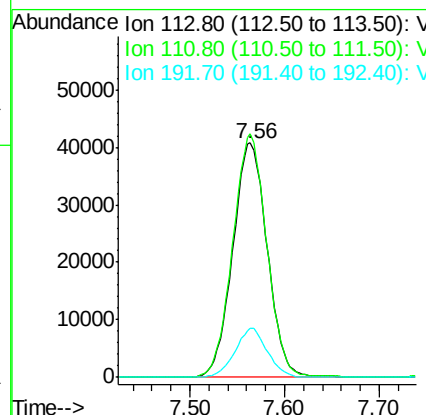
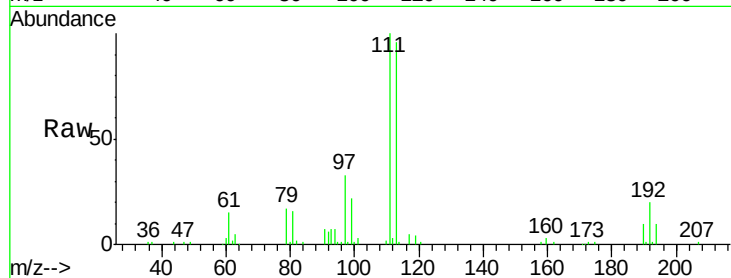
ClientSampled :

VN0406WBS01

Tot Ion:	113	Resp:	103108
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.5	15.8	23.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.014 ug/l

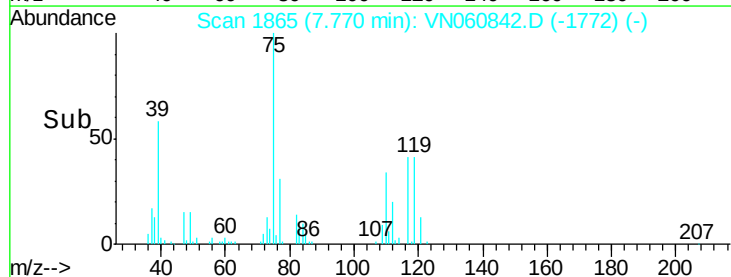
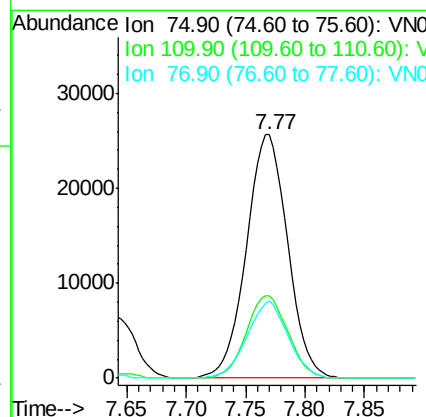
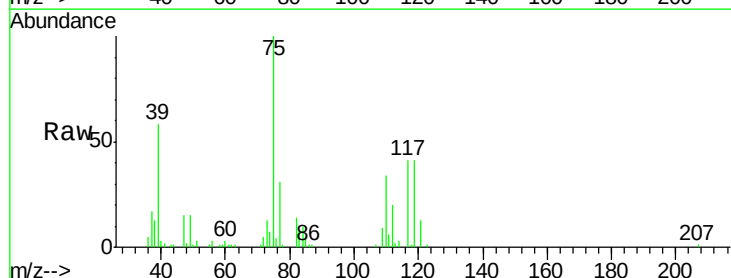
RT: 7.77 min Scan# 1865

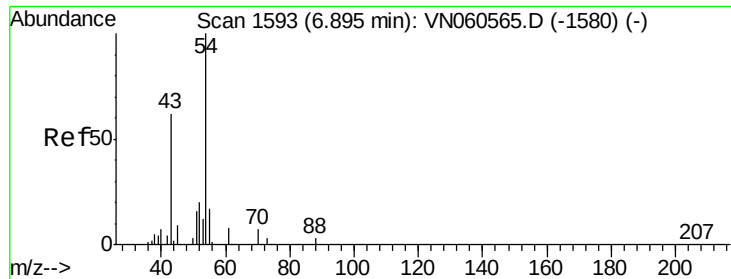
Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Tgt Ion:	75	Resp:	61666
Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.4	24.6	36.8





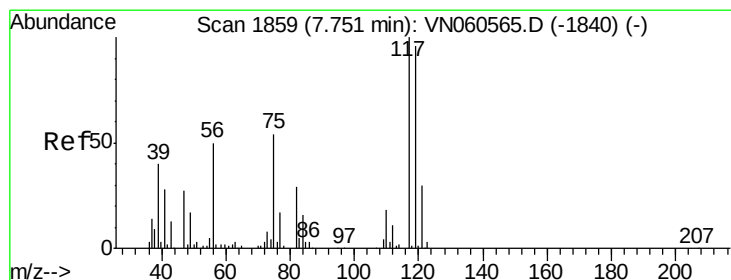
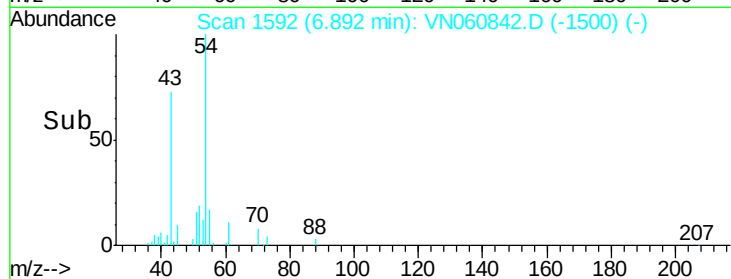
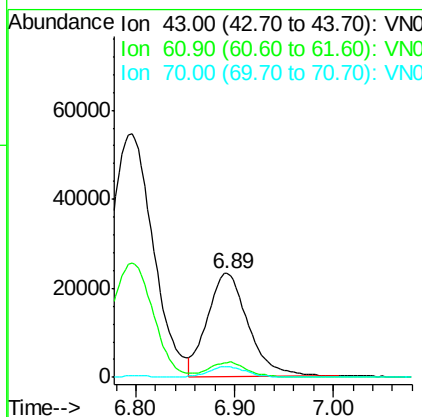
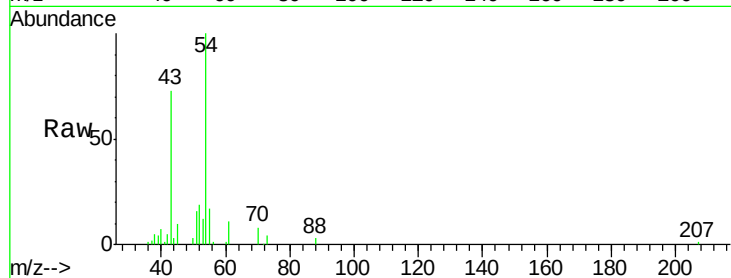
#37
Ethyl Acetate
Concen: 19.178 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0406WBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	67205					
Ion	43	61	70	100	13.7	9.5
Ratio					10.6	7.9
Lower						
Upper					15.8	11.9

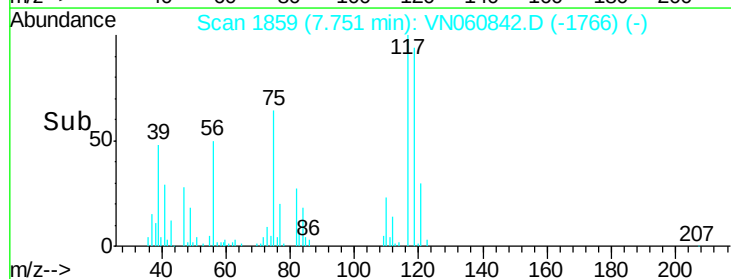
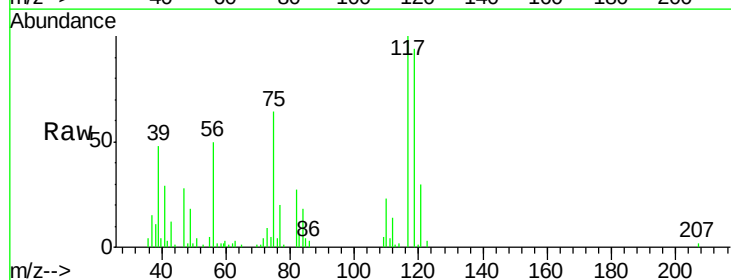
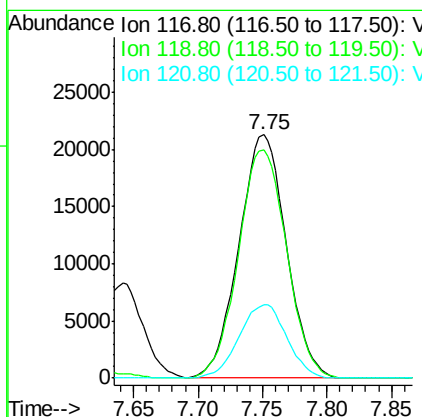
Manual Integrations
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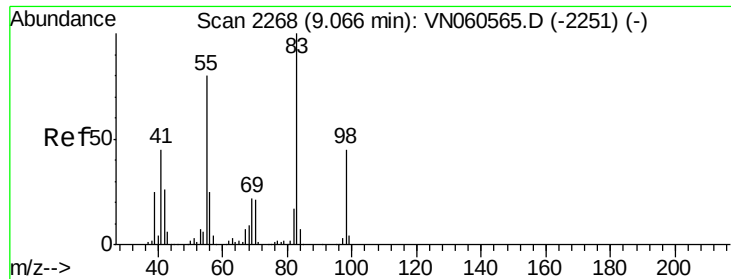
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#38
Carbon Tetrachloride
Concen: 18.756 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	54518					
Ion	117	119	121	100	93.5	30.0
Ratio					76.2	23.7
Lower						
Upper					114.2	35.5





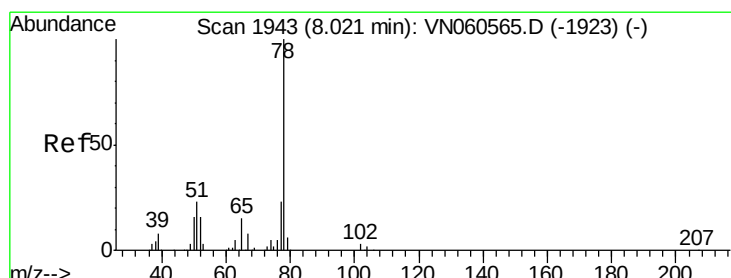
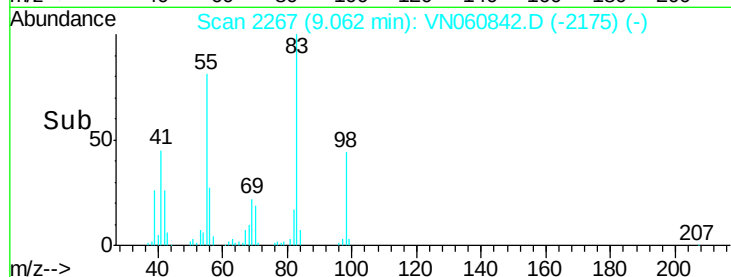
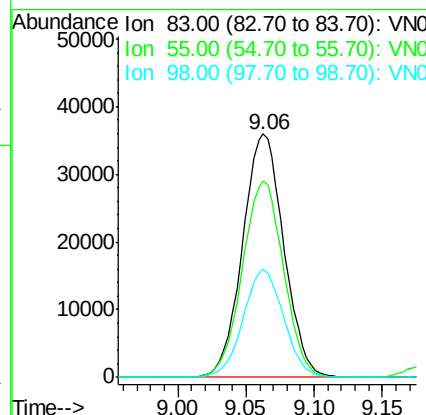
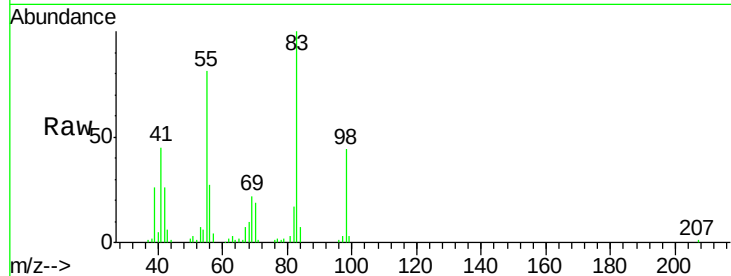
#39
Methylvlcyclohexane
Concen: 19.543 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.6	95.4
98	44.2	36.0	54.0

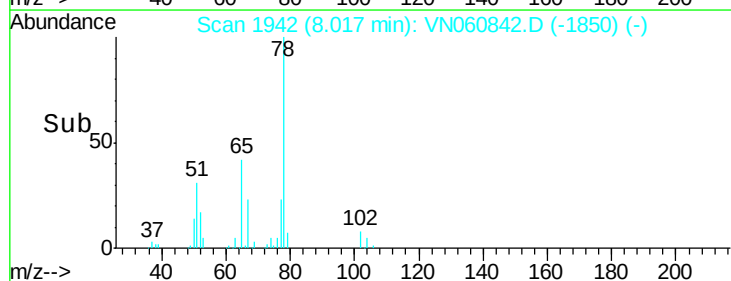
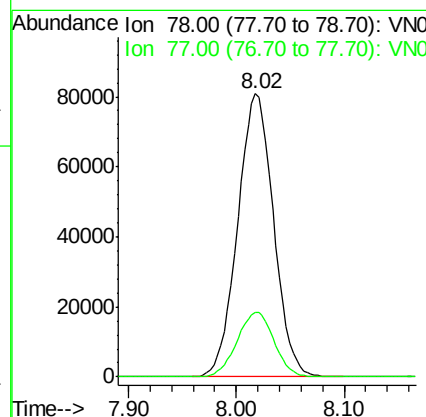
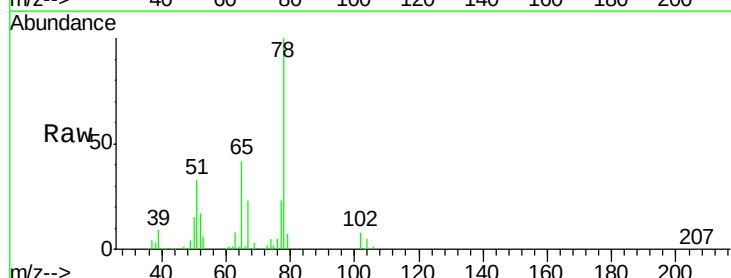
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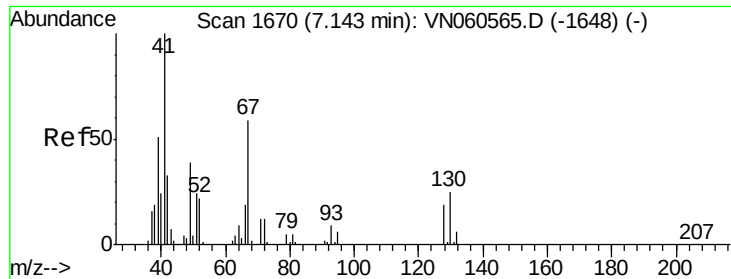
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4/7/2020 3:21:41 PM



#40
Benzene
Concen: 19.125 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	28.0





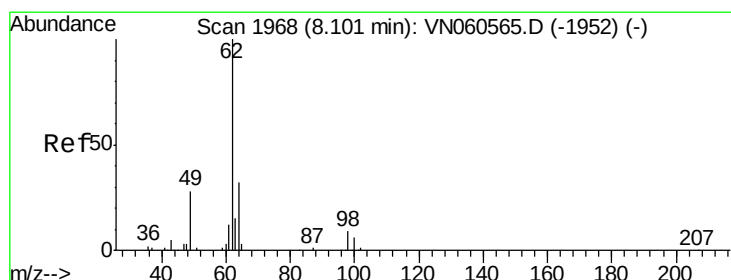
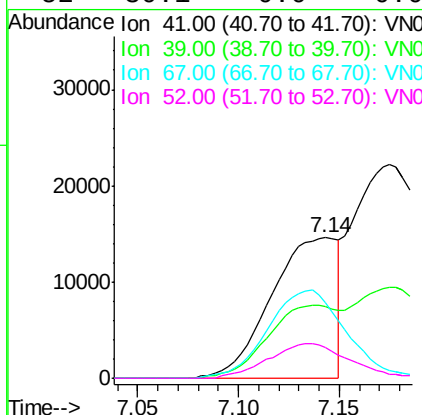
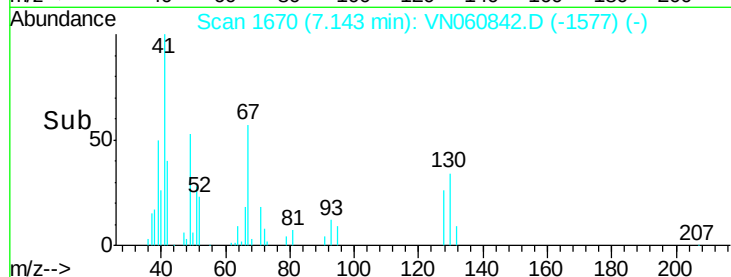
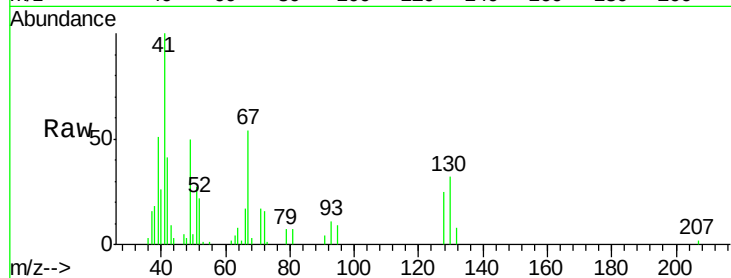
#41
Methacrylonitrile
Concen: 22.263 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.4	0.0	0.0#		
67	74.3	0.0	0.0#		
52	30.1	0.0	0.0#		

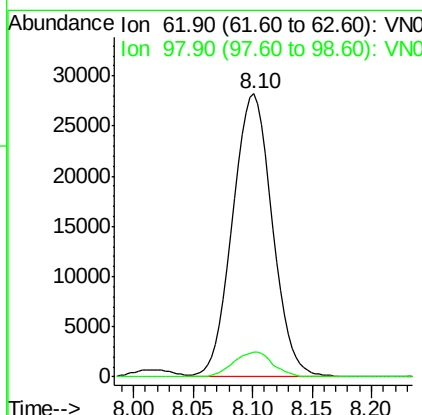
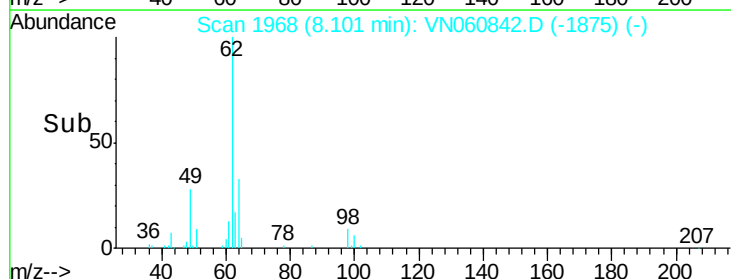
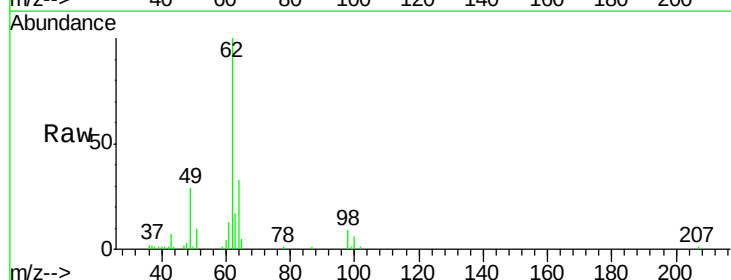
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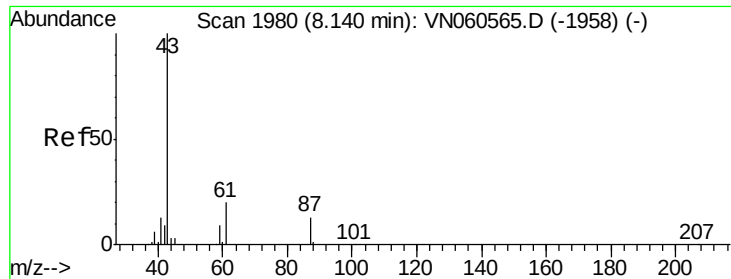
MMDadoda
4/7/2020 3:21:41 PM



#42
1,2-Dichloroethane
Concen: 19.564 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.6	0.0	17.8		





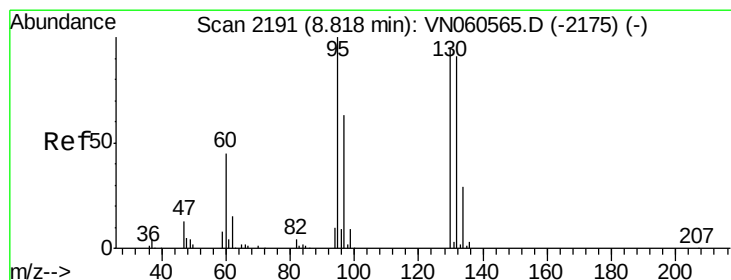
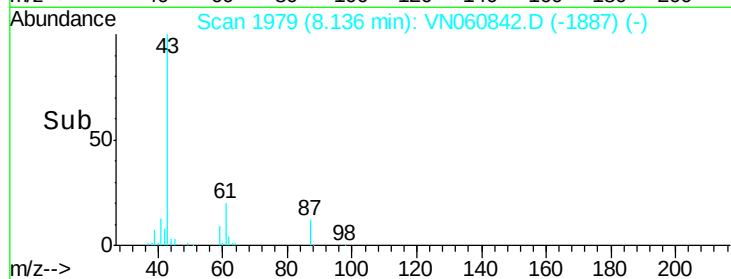
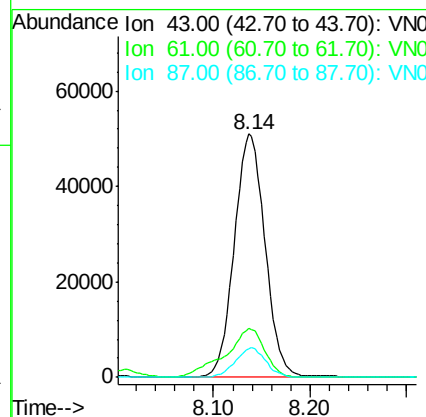
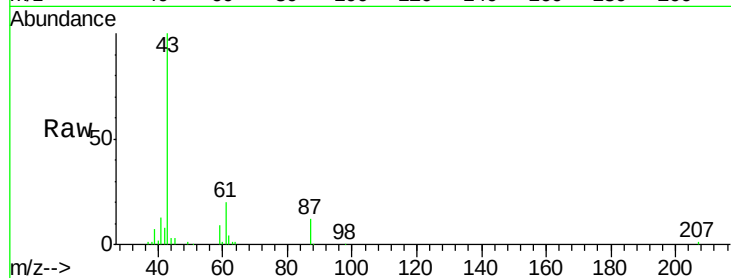
#43
Isopropyl Acetate
Concen: 19.551 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	11.8	9.8	14.8

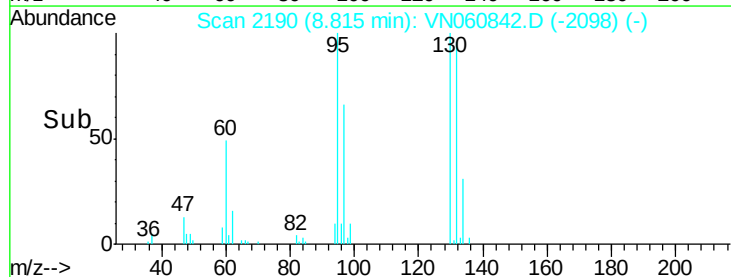
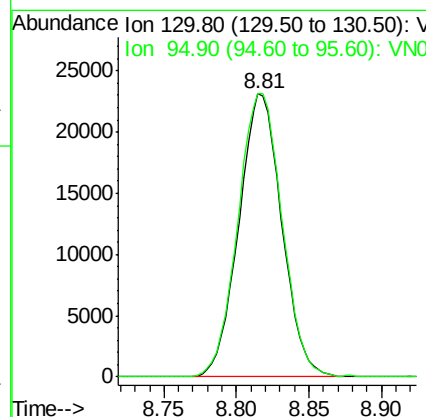
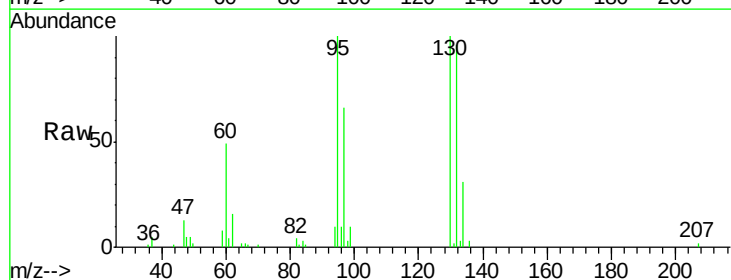
Manual Integrations
APPROVED

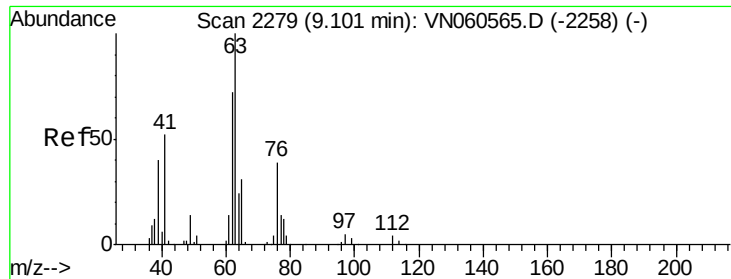
MMDadoda
4/7/2020 3:21:41 PM



#44
Trichloroethene
Concen: 19.259 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	211.2





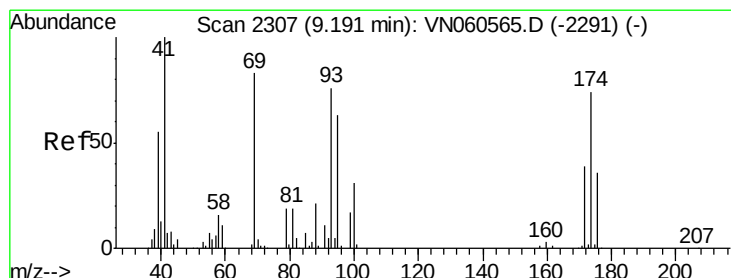
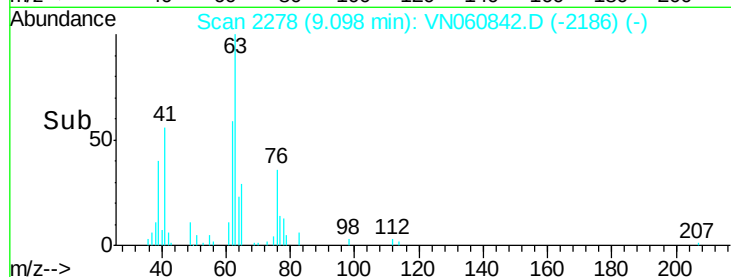
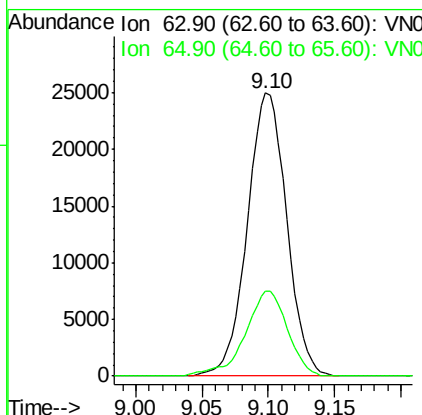
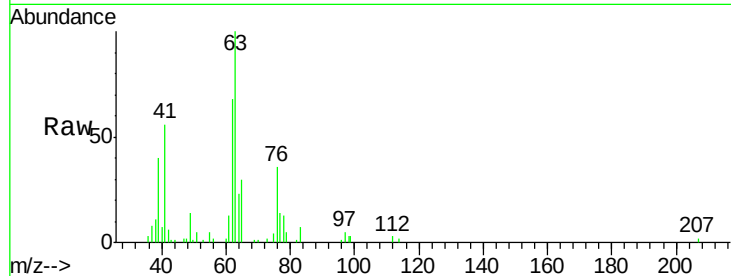
#45
 1,2-Dichloropropane
 Concen: 20.003 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion: 63 Resp: 51674
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.4 38.0

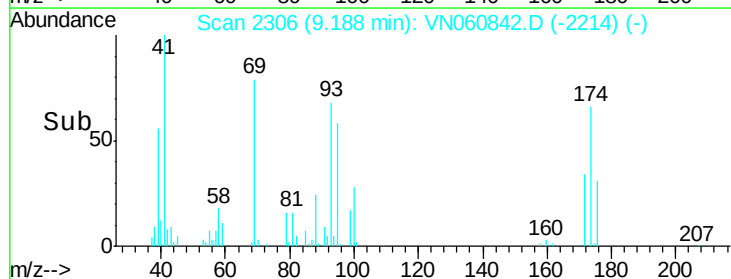
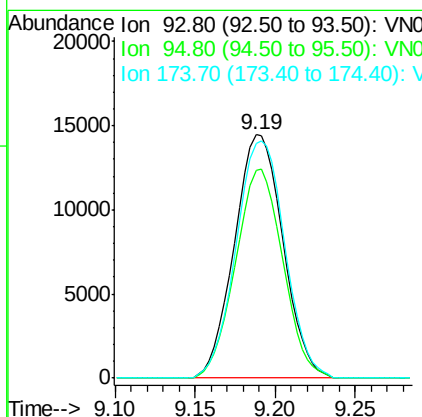
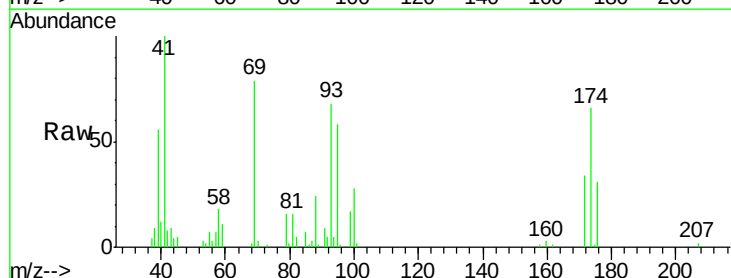
Manual Integrations
 APPROVED

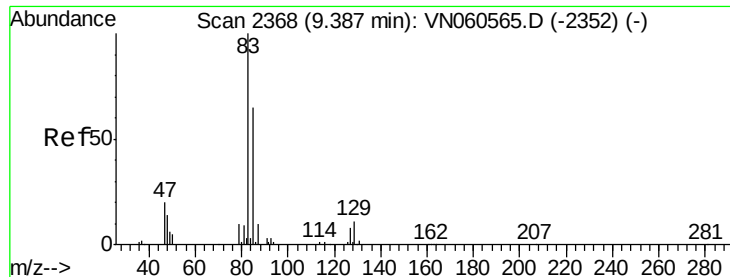
MMDadoda
 4/7/2020 3:21:41 PM



#46
 Dibromomethane
 Concen: 19.243 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion: 93 Resp: 30053
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.4
 174 97.9 77.9 116.9





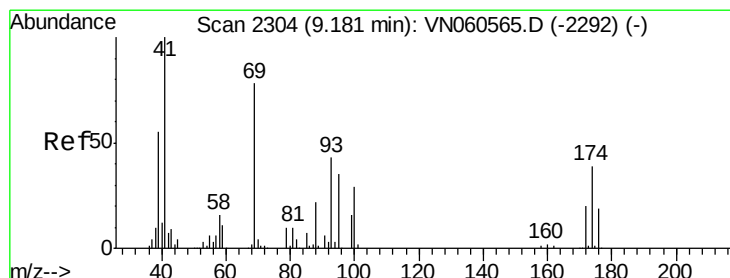
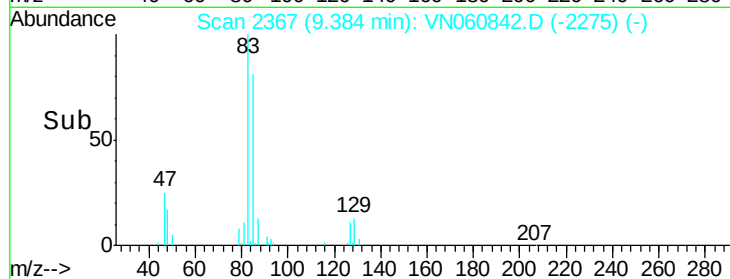
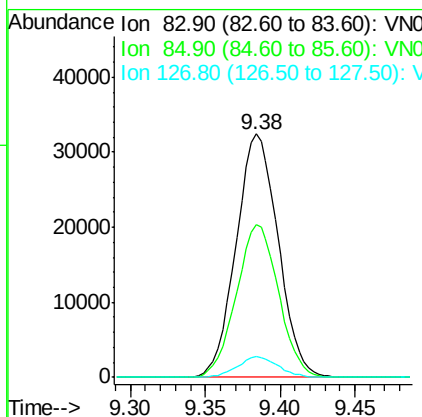
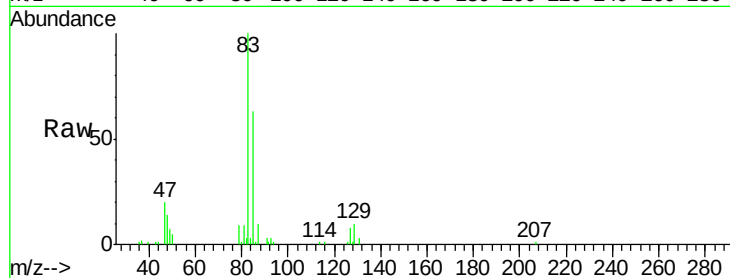
#47
Bromodichloromethane
Concen: 19.541 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.3	6.5	9.7

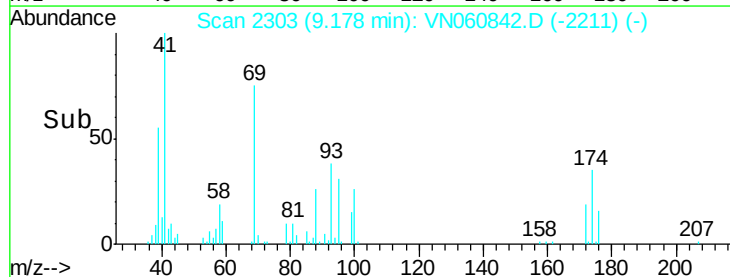
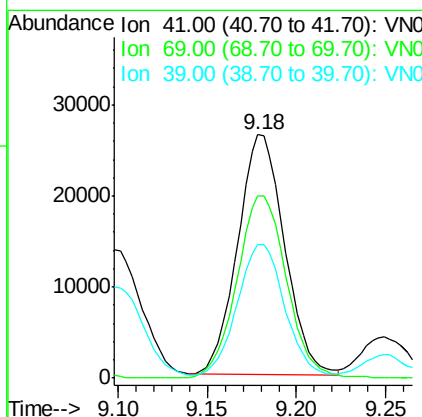
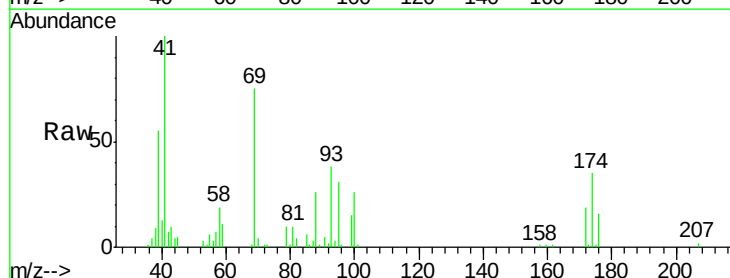
Manual Integrations
APPROVED

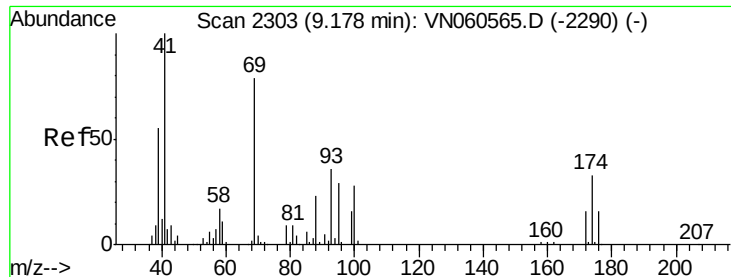
MMDadoda
4/7/2020 3:21:41 PM



#48
Methyl methacrylate
Concen: 18.801 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.1	65.4	98.0
39	54.6	44.0	66.0





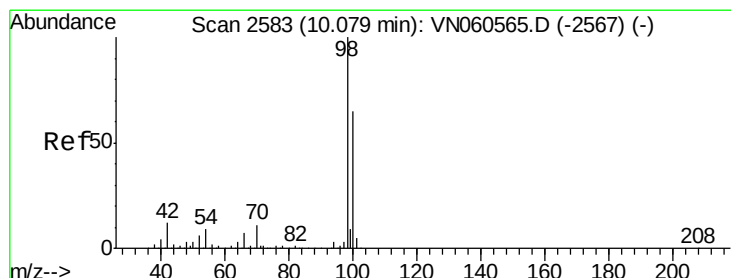
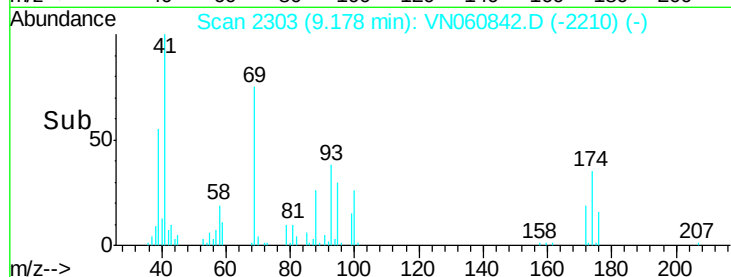
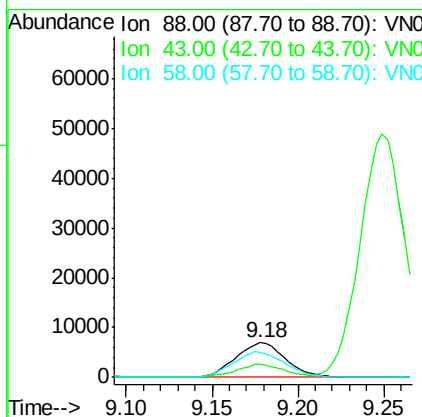
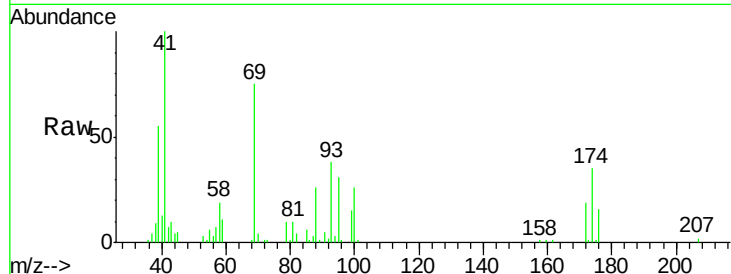
#49
1,4-Dioxane
Concen: 455.687 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	30.8	46.2
58	75.5	59.8	89.8

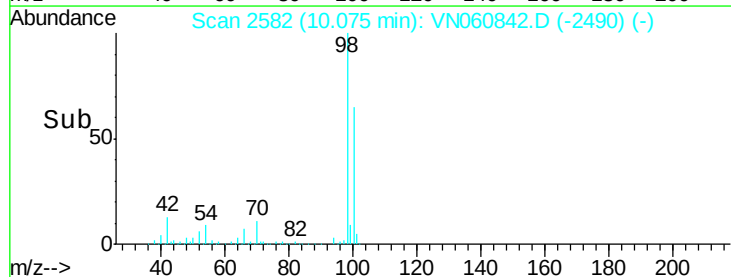
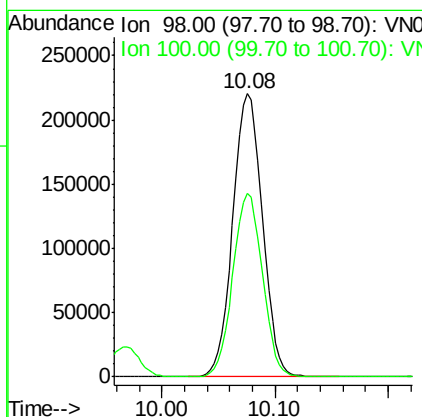
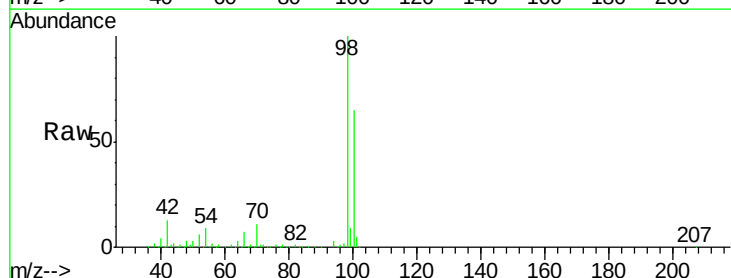
Manual Integrations
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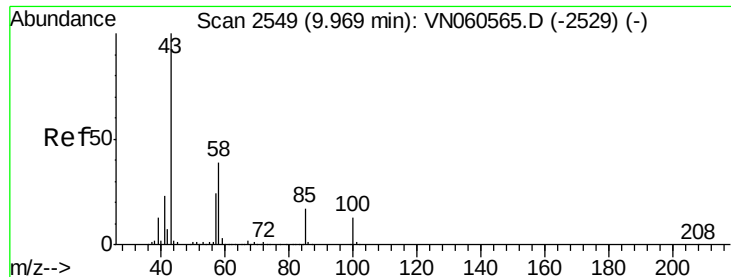
MMDadoda
4/7/2020 3:21:41 PM



#50
Toluene-d8
Concen: 48.754 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





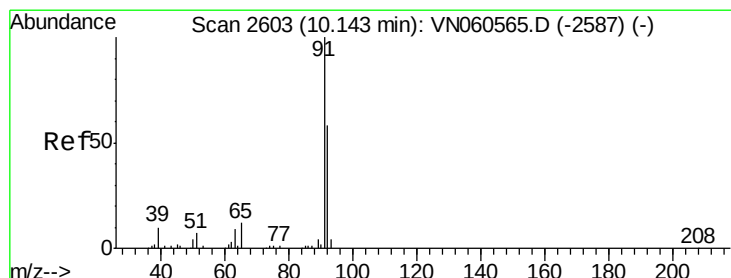
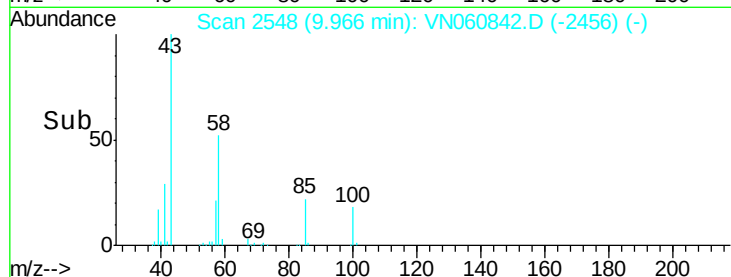
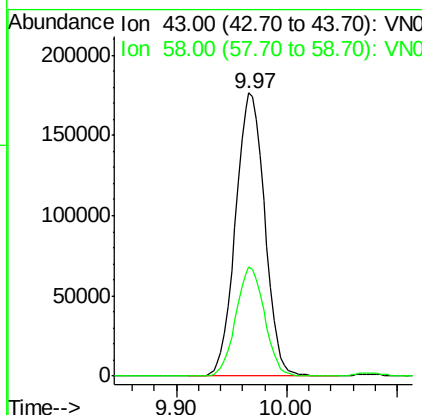
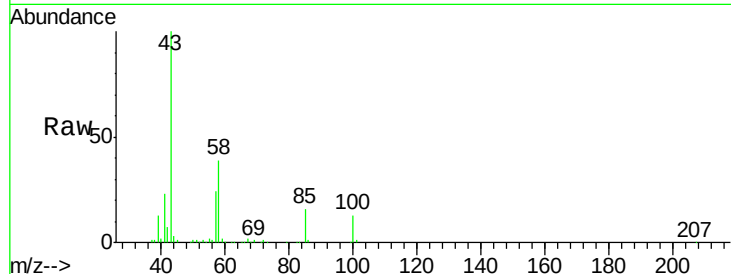
#51
 4-Methyl-2-Pentanone
 Concen: 98.236 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion: 43 Resp: 323067
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.8 46.2

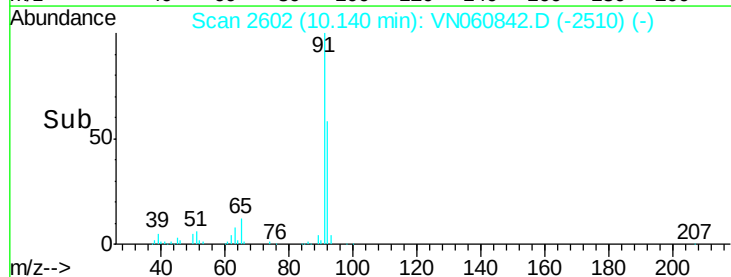
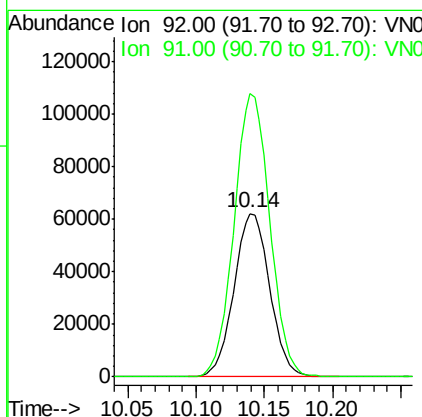
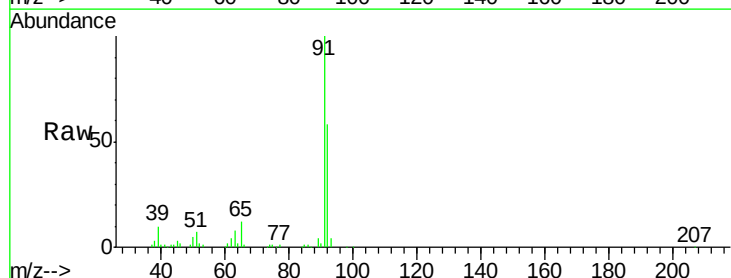
Manual Integrations
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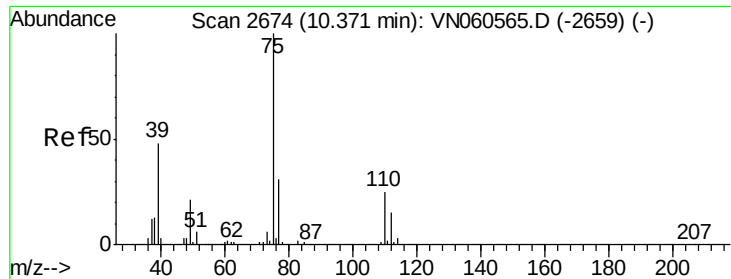
MMDadoda
 4/7/2020 3:21:41 PM



#52
 Toluene
 Concen: 19.056 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion: 92 Resp: 112673
 Ion Ratio Lower Upper
 92 100
 91 173.9 137.6 206.4





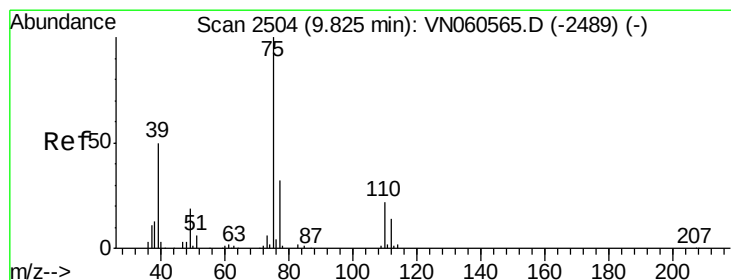
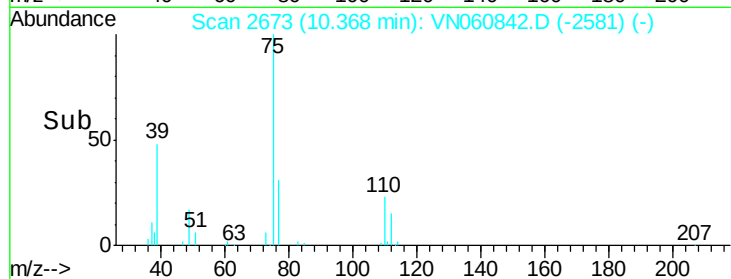
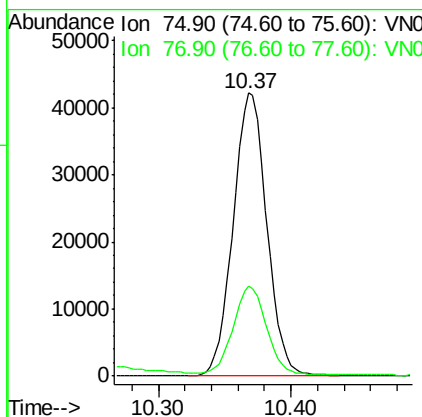
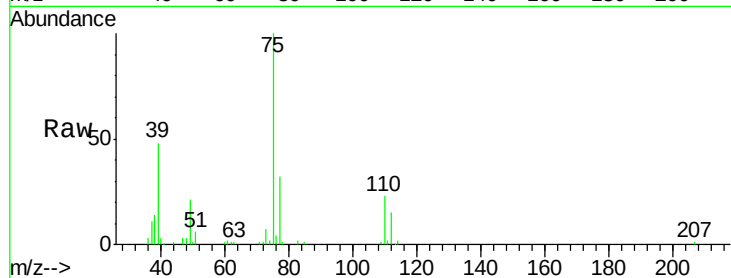
#53
t-1,3-Dichloropropene
Concen: 19.925 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion: 75 Resp: 74278
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

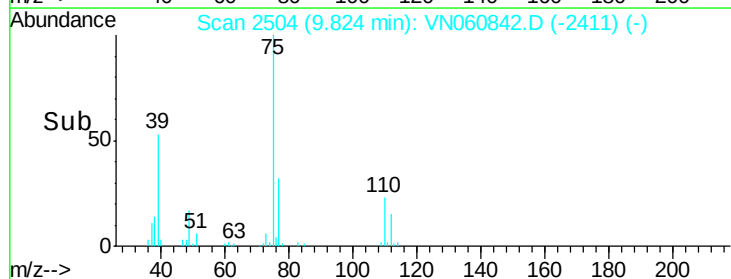
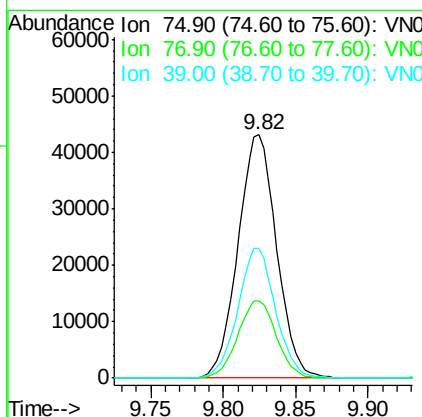
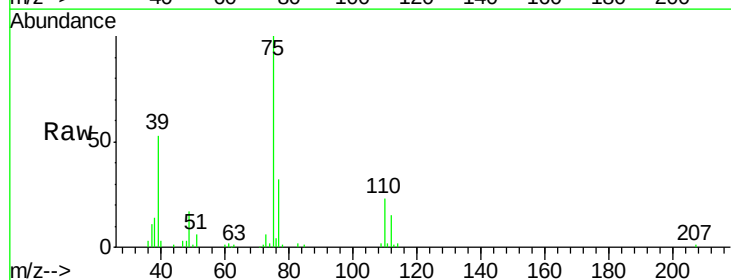
Manual Integrations
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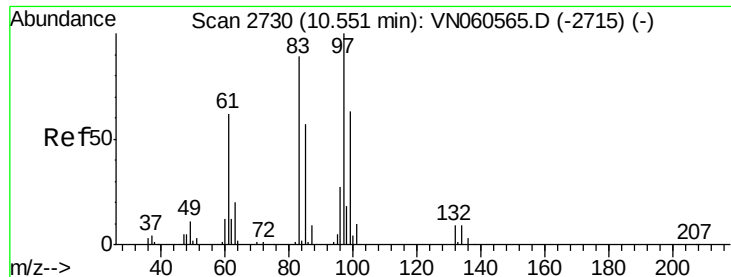
MMDadoda
4/7/2020 3:21:41 PM



#54
cis-1,3-Dichloropropene
Concen: 19.510 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion: 75 Resp: 79790
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 53.3 40.2 60.4





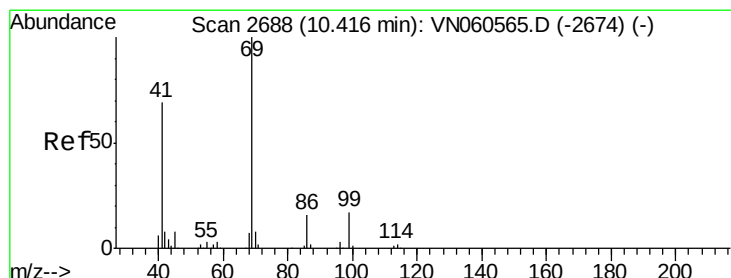
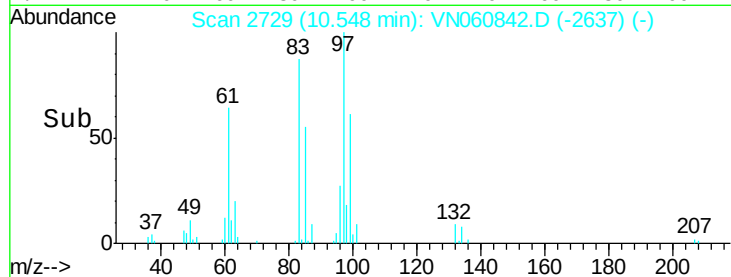
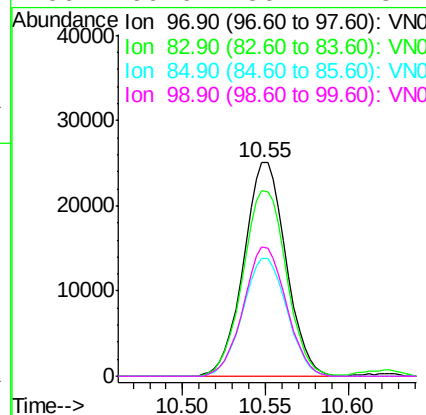
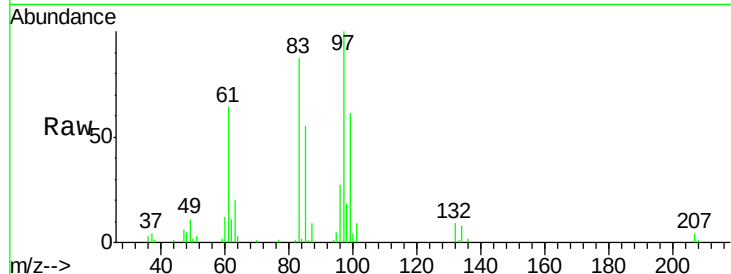
#55
 1,1,2-Trichloroethane
 Concen: 19.570 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion:	97	Resp:	44517
Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.3	106.9
85	55.4	45.2	67.8
99	60.6	50.1	75.1

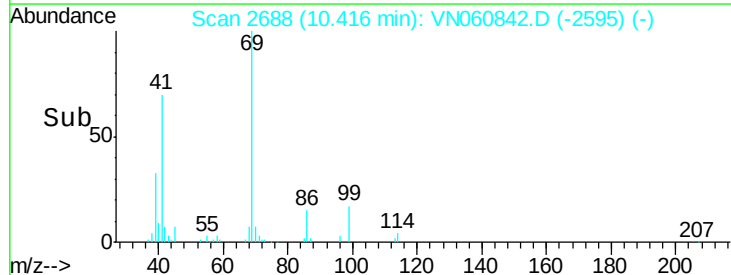
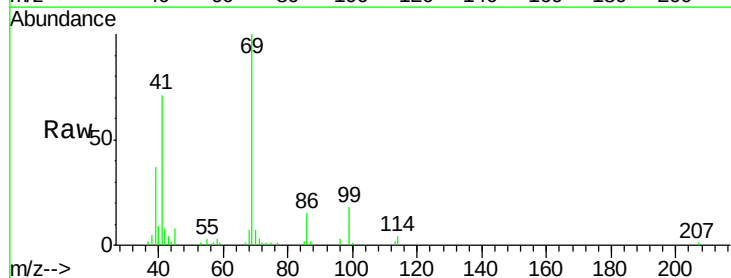
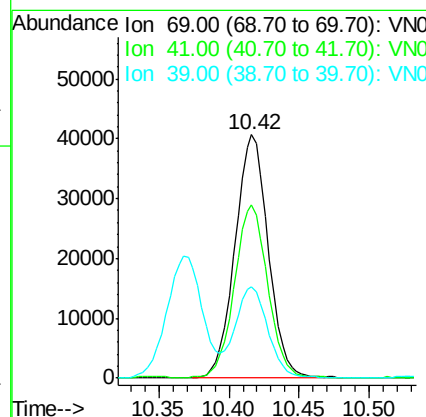
Manual Integrations
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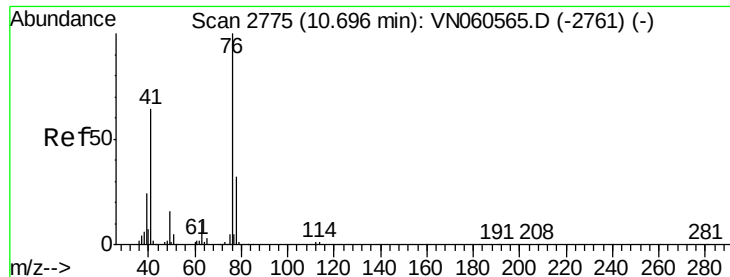
MMDadoda
 4/7/2020 3:21:41 PM



#56
 Ethyl methacrylate
 Concen: 18.881 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion:	69	Resp:	66968
Ion	Ratio	Lower	Upper
69	100		
41	72.0	55.4	83.2
39	37.2	29.4	44.0





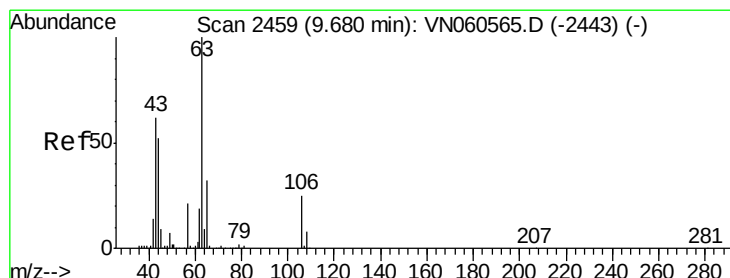
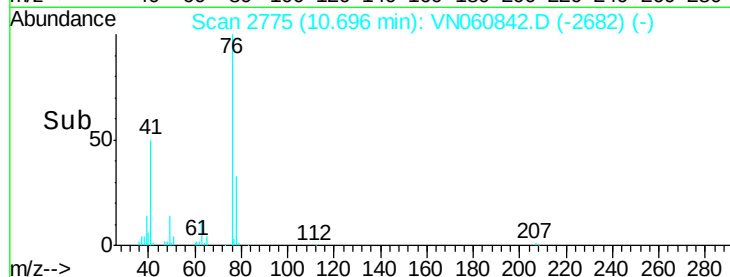
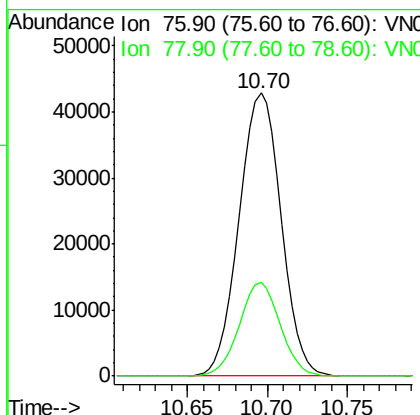
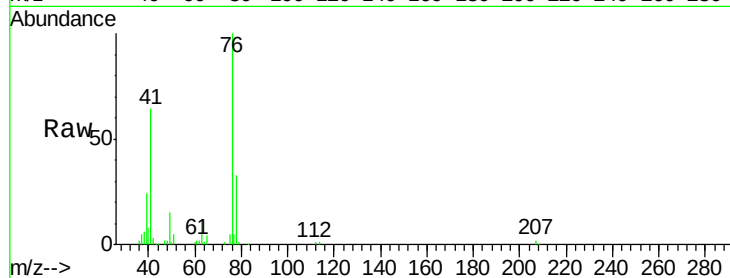
#57
 1,3-Dichloropropane
 Concen: 19.458 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

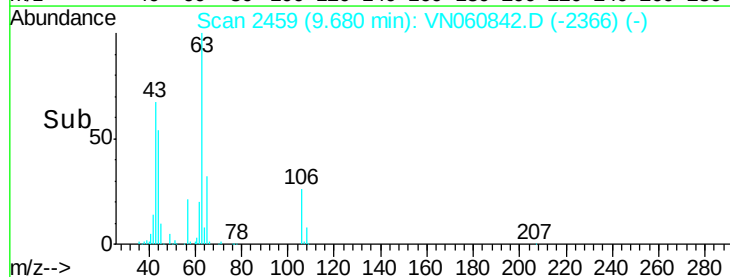
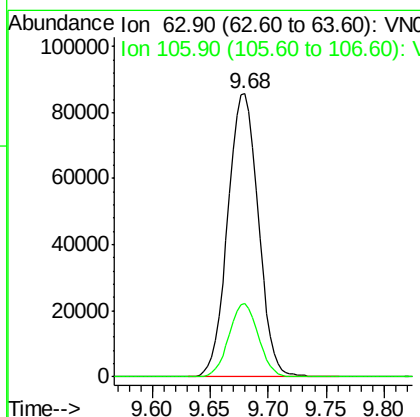
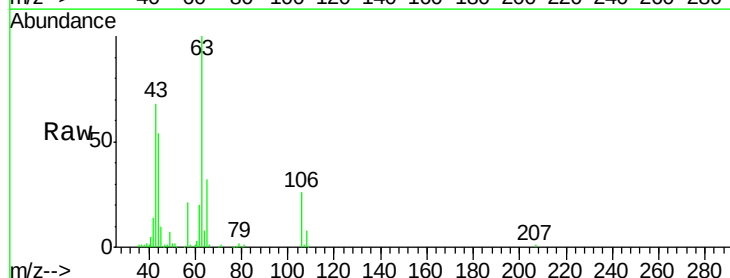
Manual Integrations
 APPROVED

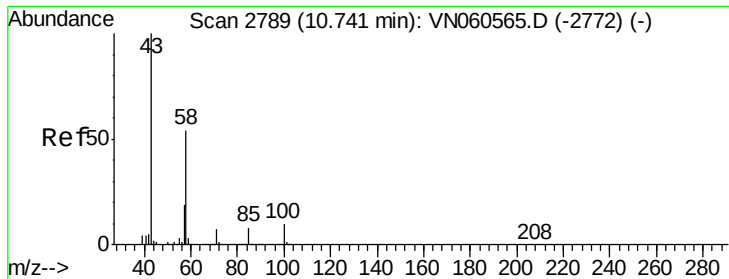
MMDadoda
 4/7/2020 3:21:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.040 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.0	30.0





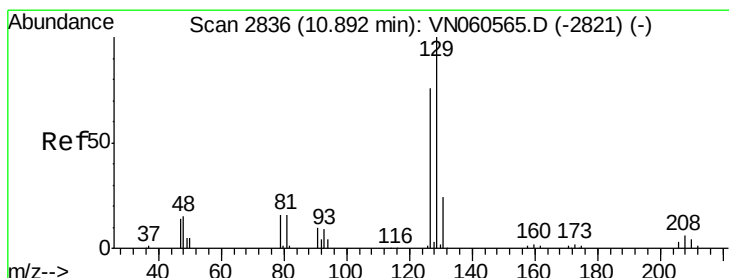
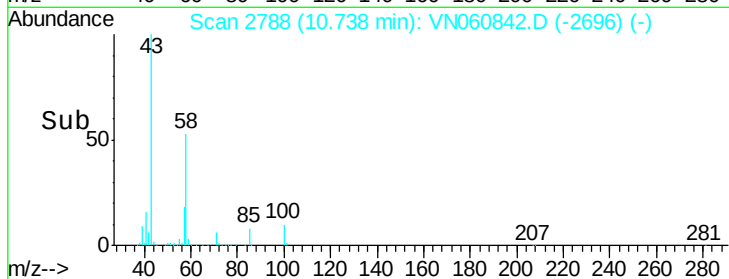
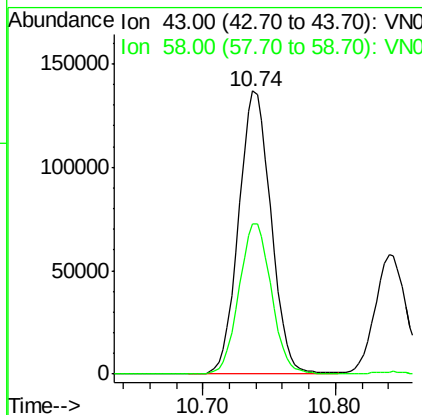
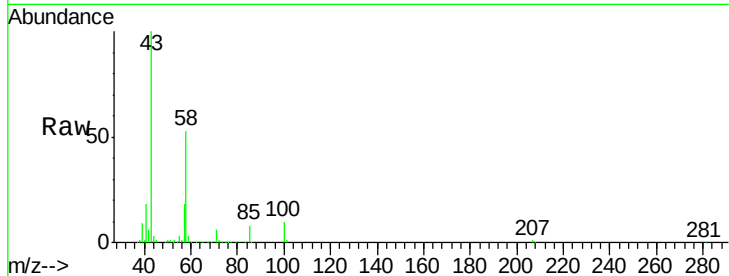
#59
2-Hexanone
Concen: 97.889 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion: 43 Resp: 231900
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1

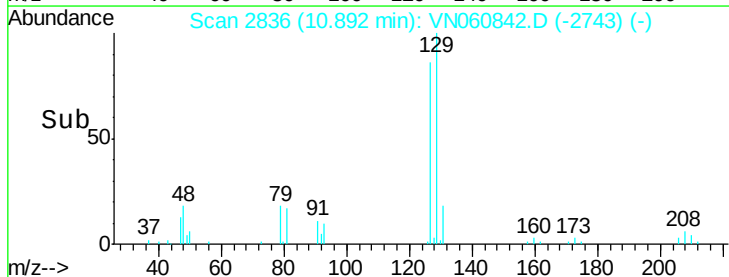
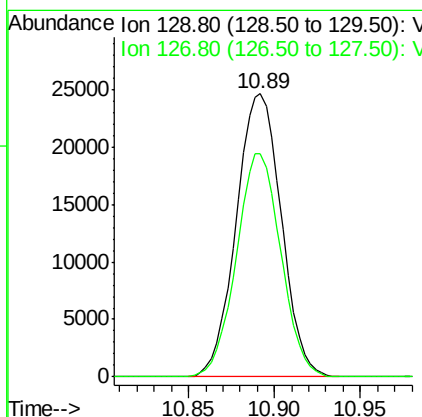
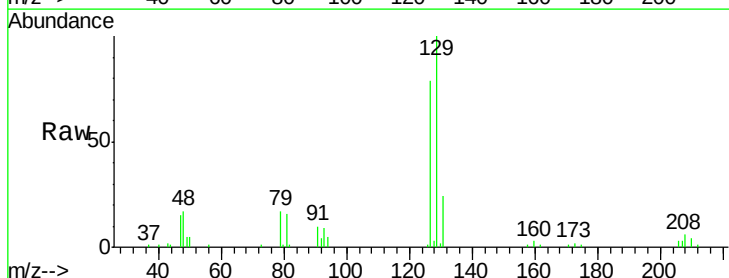
Manual Integrations
APPROVED

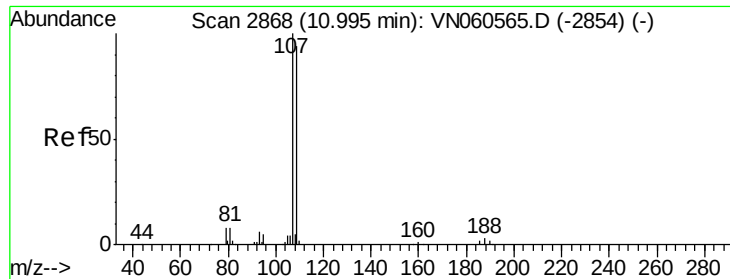
MMDadoda
4/7/2020 3:21:41 PM



#60
Dibromochloromethane
Concen: 19.125 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion: 129 Resp: 44938
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





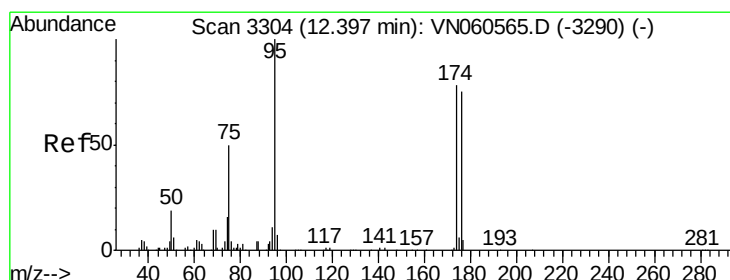
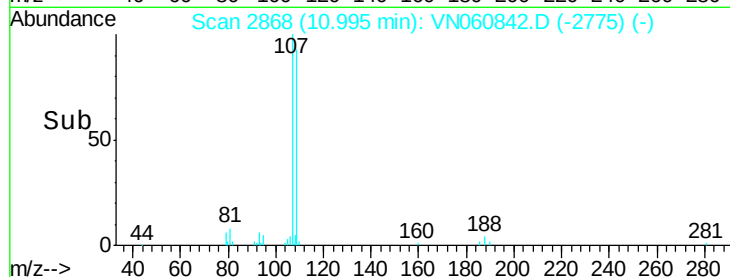
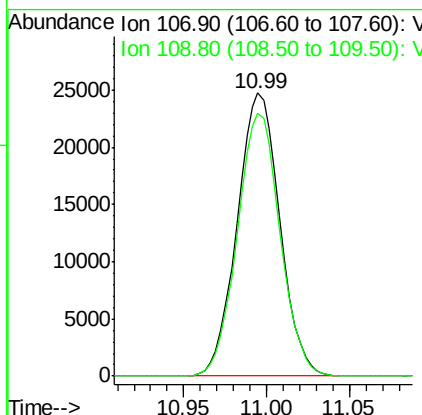
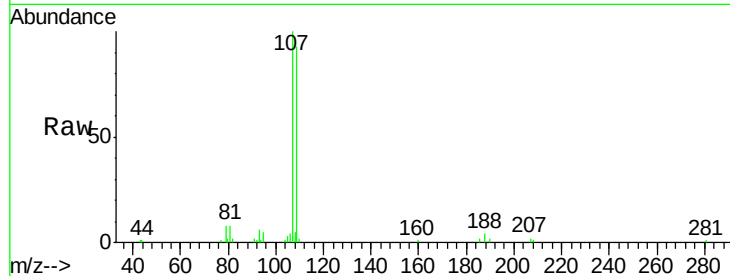
#61
 1,2-Dibromoethane
 Concen: 19.338 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.2

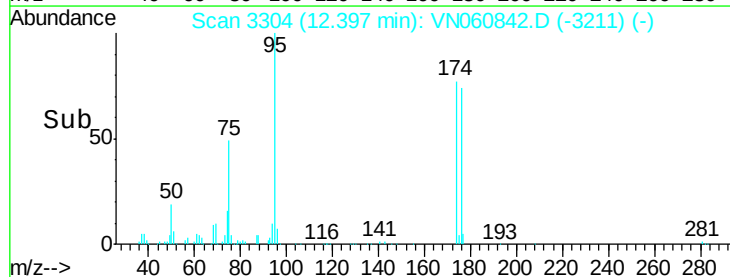
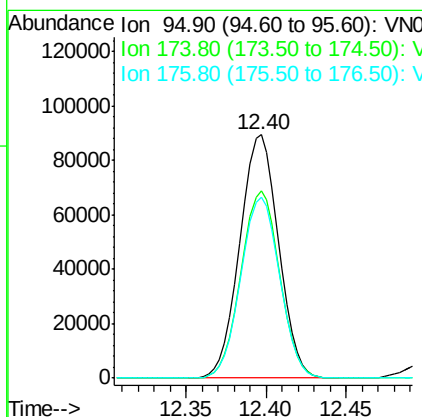
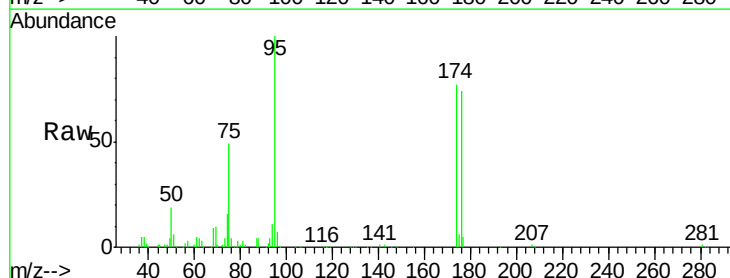
Manual Integrations
 APPROVED

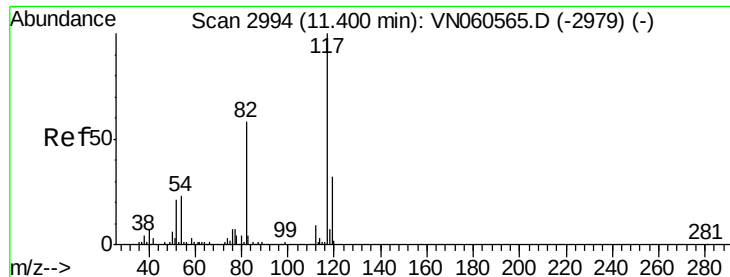
MMDadoda
 4/7/2020 3:21:41 PM



#62
 4-Bromofluorobenzene
 Concen: 48.589 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	157.6
176	74.9	0.0	150.6





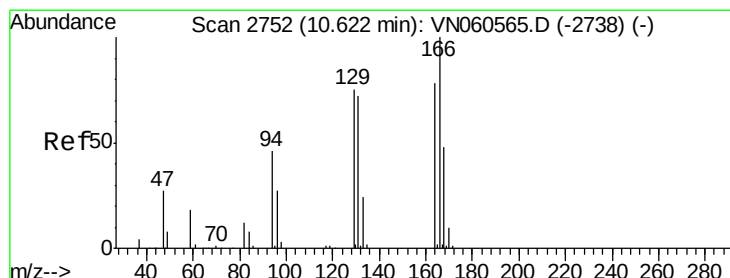
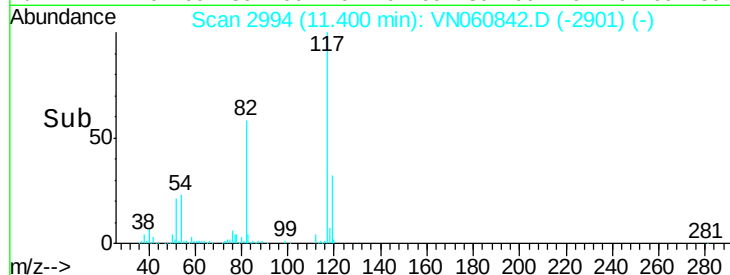
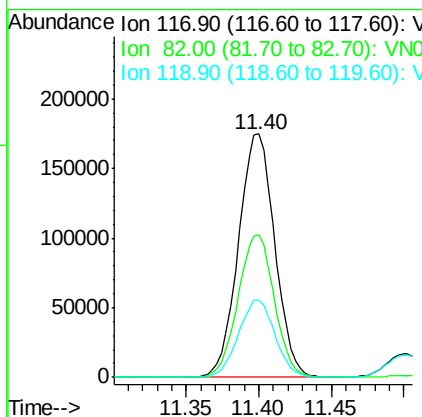
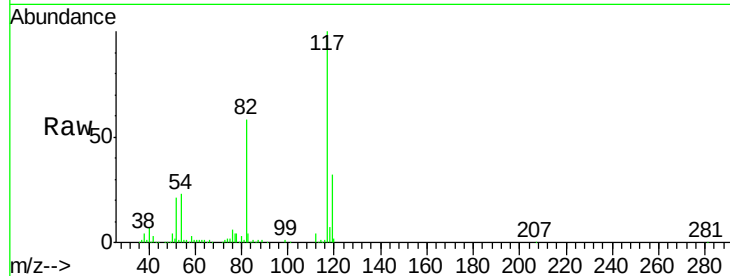
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.7	70.1
119	31.8	25.5	38.3

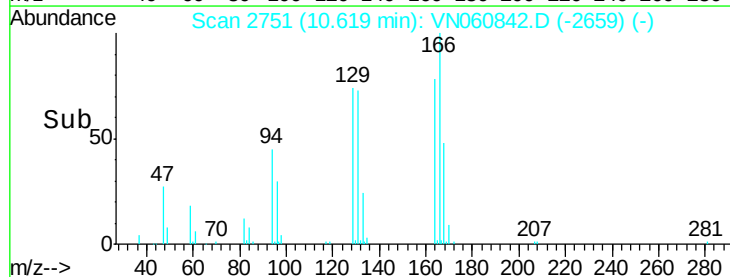
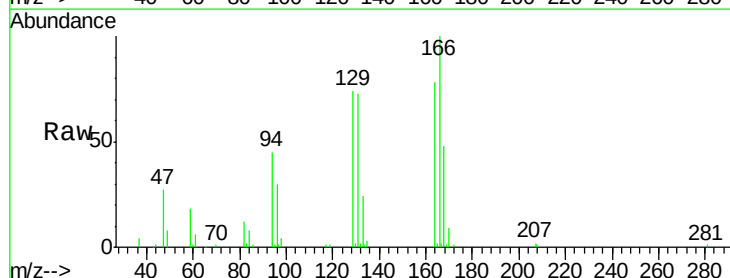
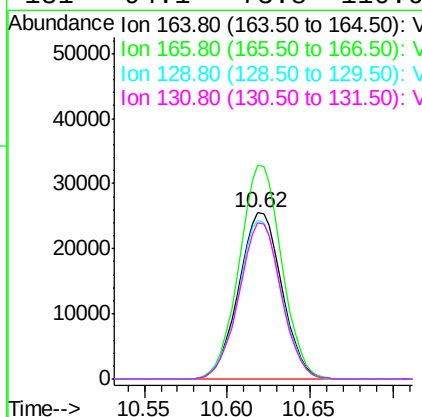
Manual Integrations
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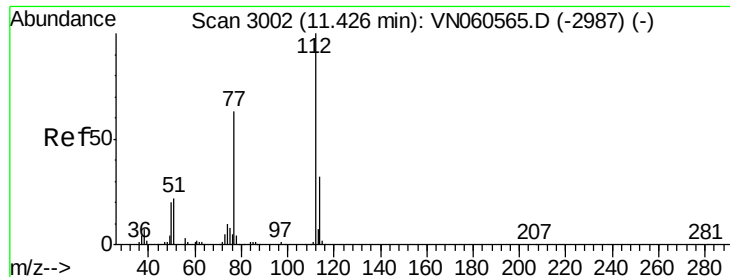
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#64
Tetrachloroethene
Concen: 19.294 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.7	154.1
129	95.6	77.2	115.8
131	94.1	73.8	110.6





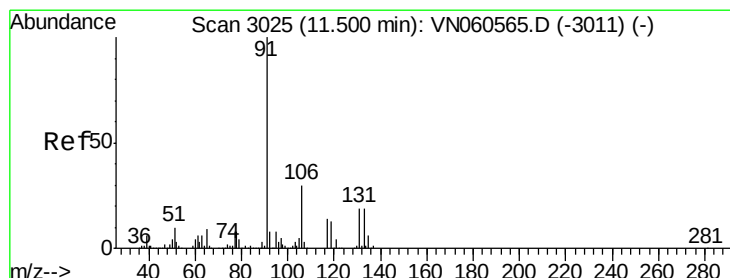
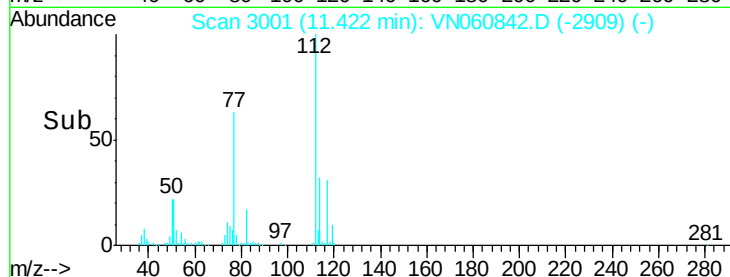
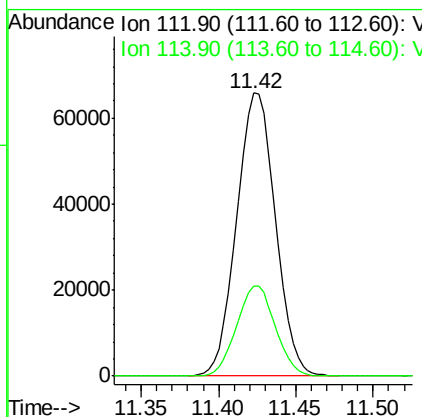
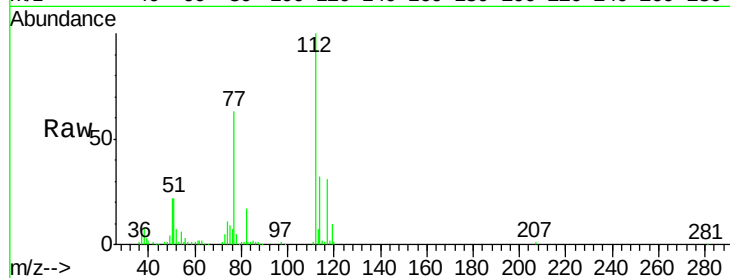
#65
Chlorobenzene
Concen: 19.096 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0406WBS01

Tot Ion:112 Resp: 114994
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

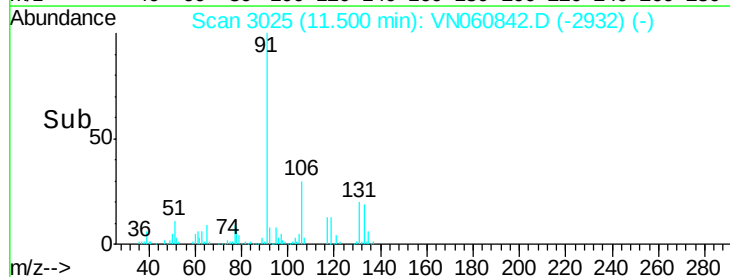
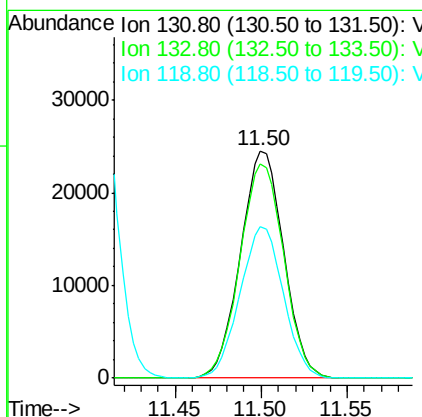
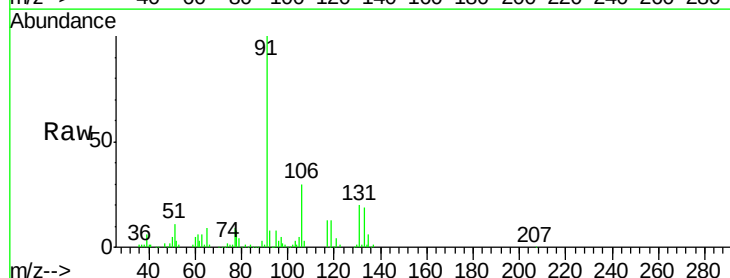
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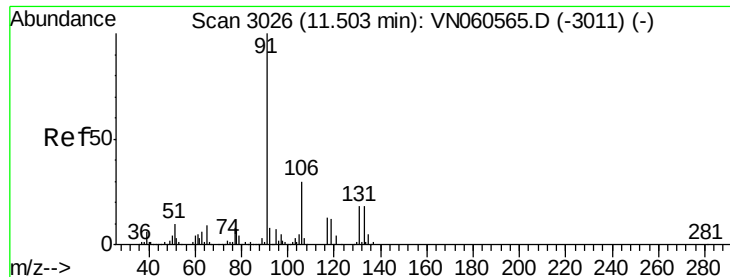
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.607 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion:131 Resp: 42750
Ion Ratio Lower Upper
131 100
133 95.9 48.9 146.8
119 66.8 33.9 101.7





#67

Ethyl Benzene

Concen: 19.349 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion: 91 Resp: 21685

Ion Ratio Lower Upper

91 100

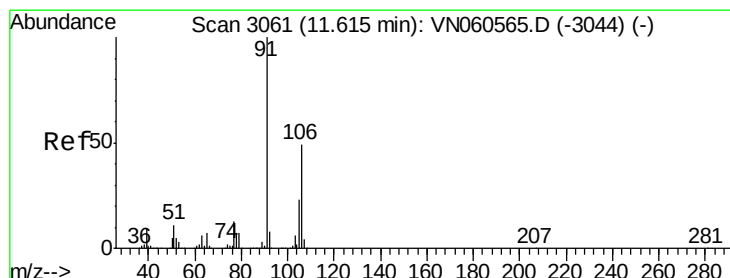
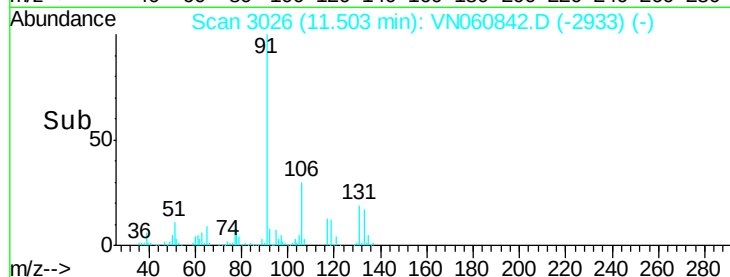
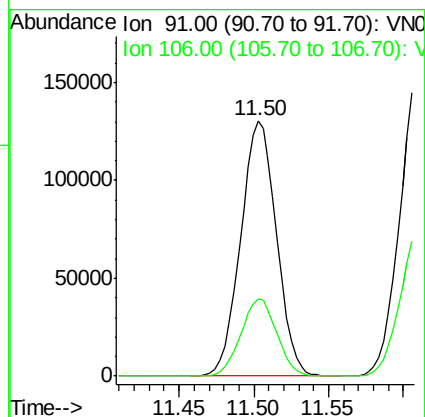
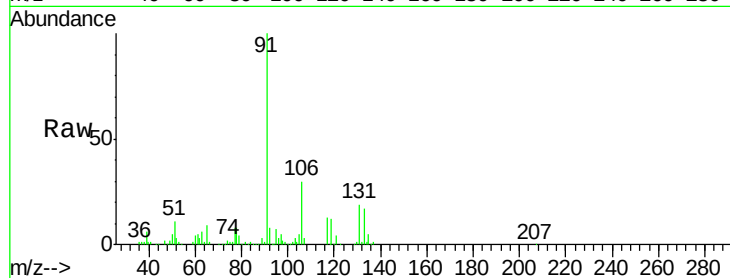
106 30.4 24.2 36.2

Manual Integrations

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4/7/2020 3:21:41 PM



#68

m/p-Xylenes

Concen: 38.206 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060842.D

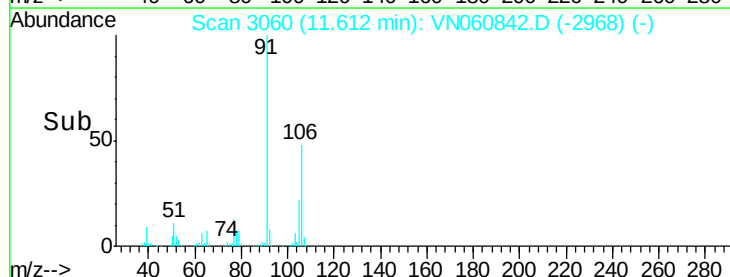
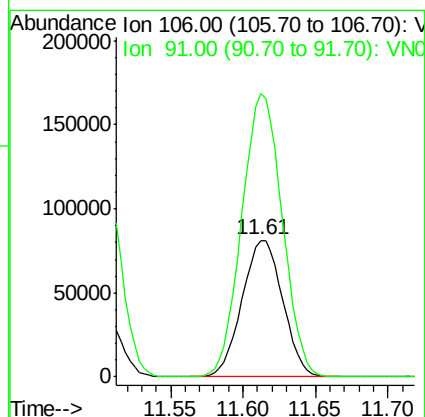
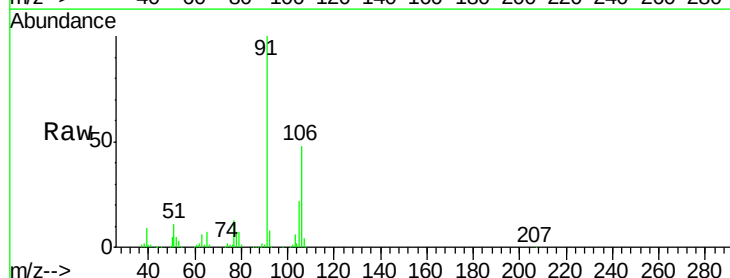
Acq: 6 Apr 2020 11:38

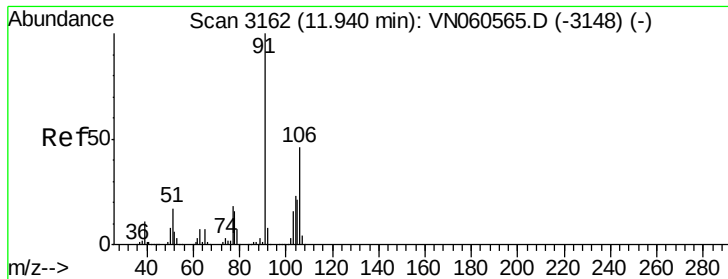
Tgt Ion: 106 Resp: 158991

Ion Ratio Lower Upper

106 100

91 206.4 165.0 247.4





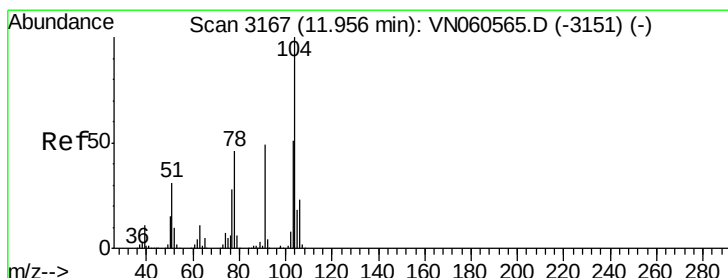
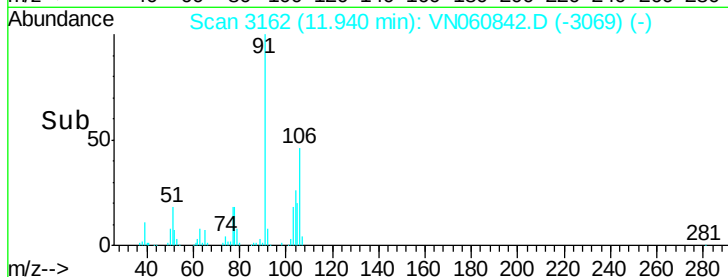
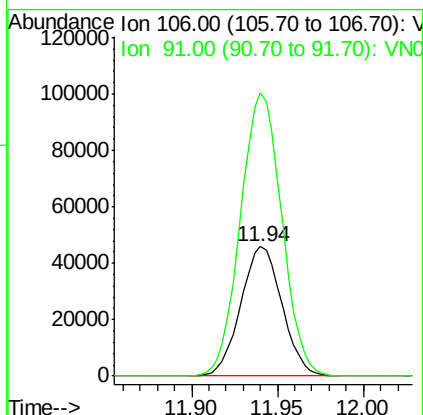
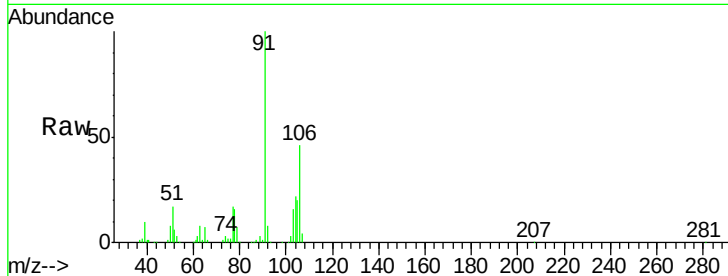
#69
o-Xylene
Concen: 19.240 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion:106 Resp: 76431
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

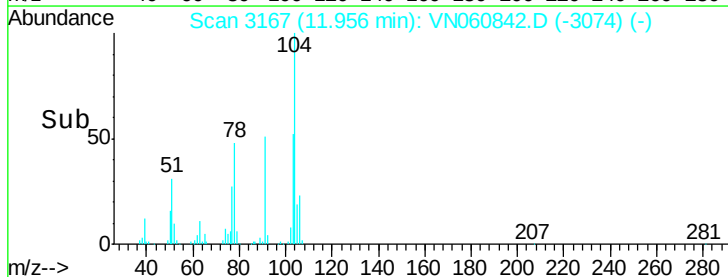
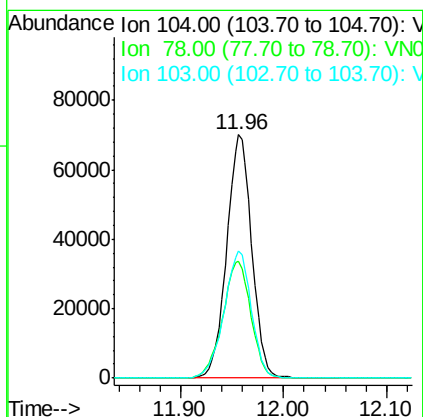
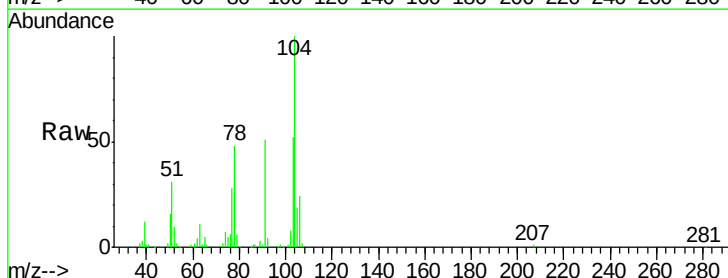
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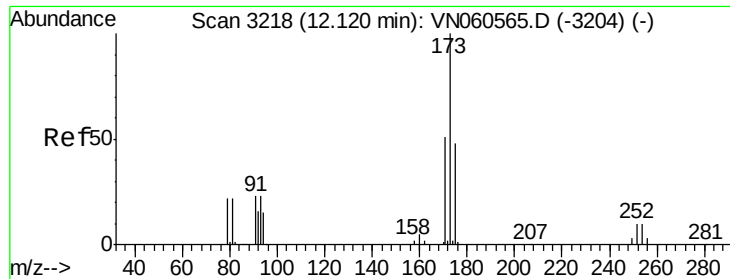
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#70
Styrene
Concen: 18.284 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion:104 Resp: 118792
Ion Ratio Lower Upper
104 100
78 53.8 41.2 61.8
103 56.6 44.0 66.0





#71

Bromoform

Concen: 18.068 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion:173 Resp: 30729

Ion Ratio Lower Upper

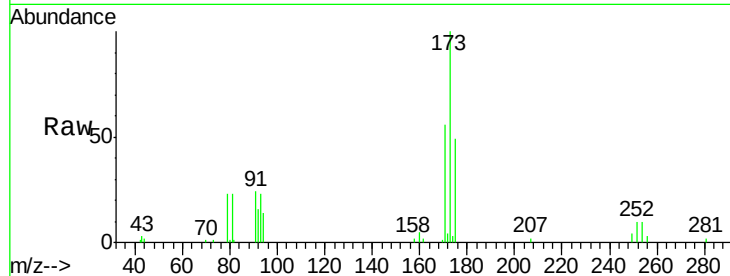
173 100

175 48.4 24.1 72.4

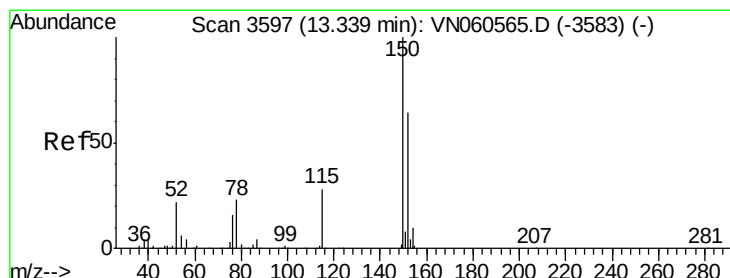
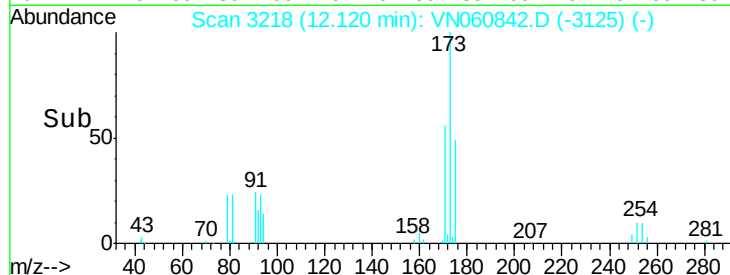
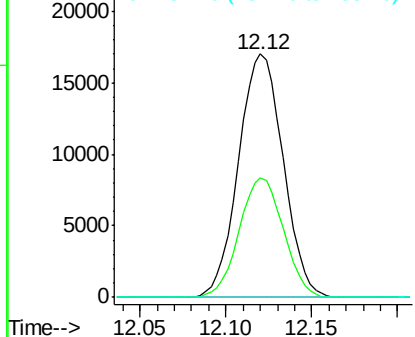
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

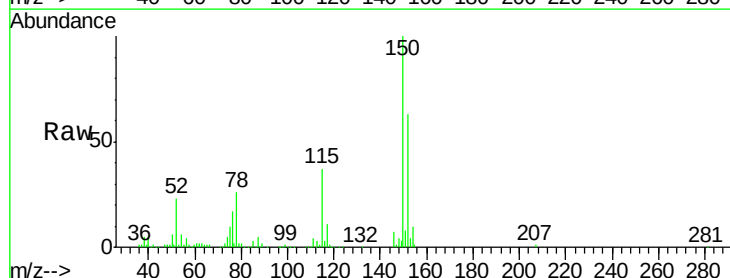
Tgt Ion:152 Resp: 142025

Ion Ratio Lower Upper

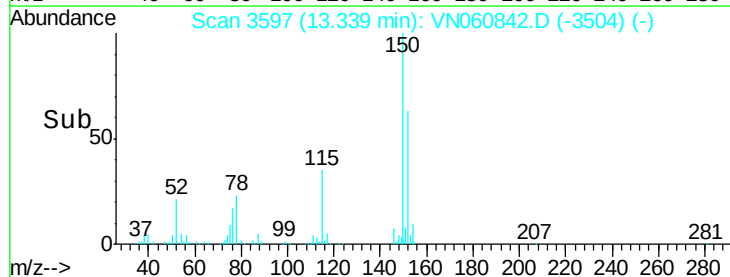
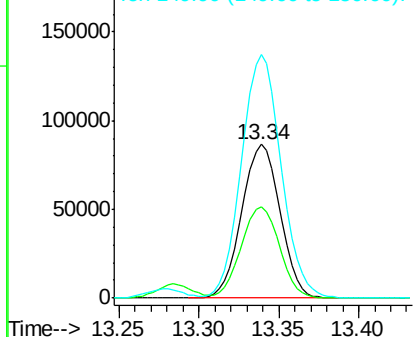
152 100

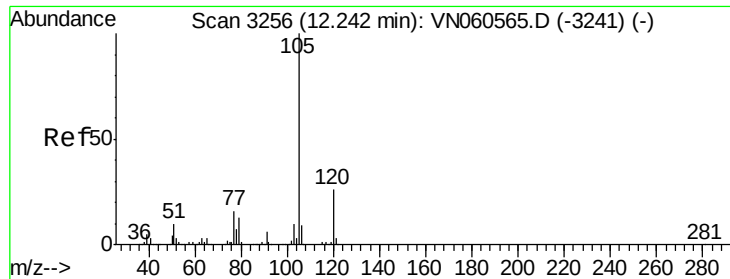
115 59.5 30.2 90.6

150 163.5 0.0 350.2



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





#73

Isopropylbenzene

Concen: 19.294 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion:105 Resp: 205647

Ion Ratio Lower Upper

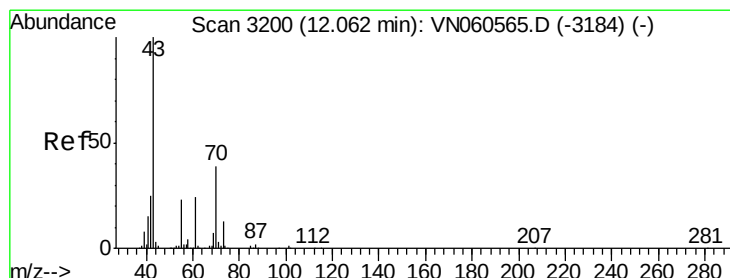
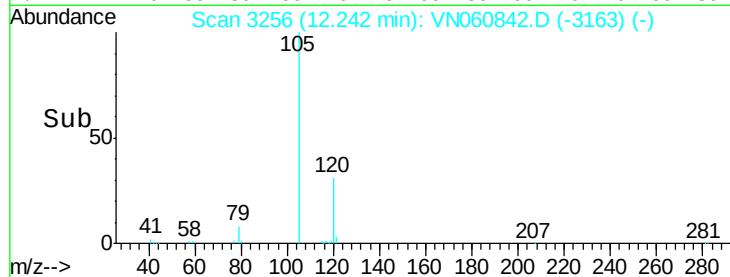
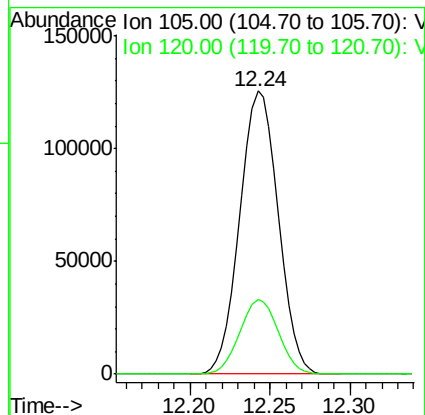
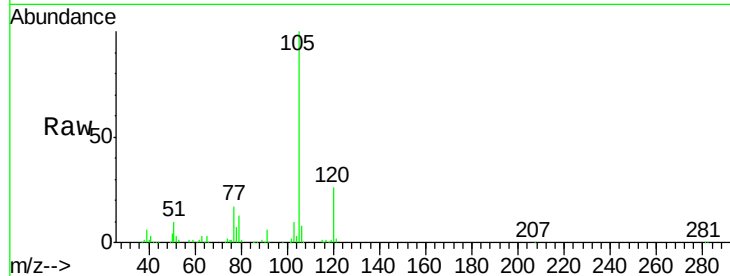
105 100

120 26.4 13.1 39.1

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4/7/2020 3:21:41 PM



#74

N-ethyl acetate

Concen: 18.564 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Tgt Ion: 43 Resp: 91428

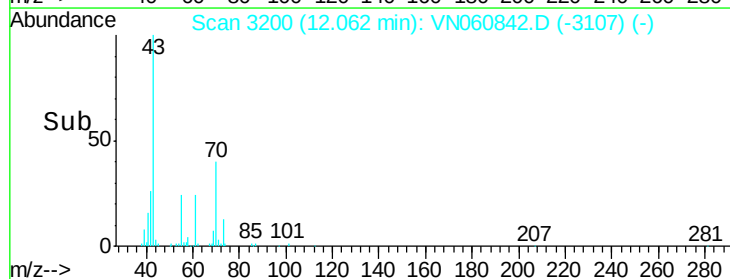
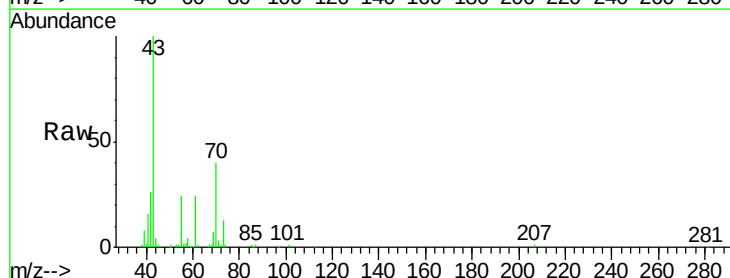
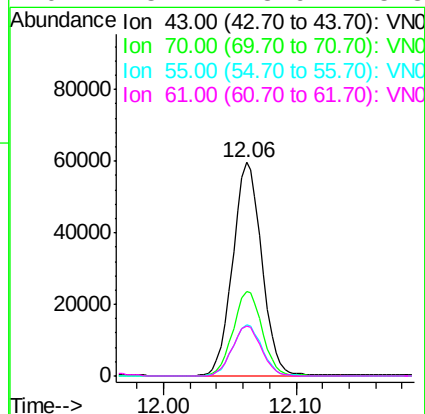
Ion Ratio Lower Upper

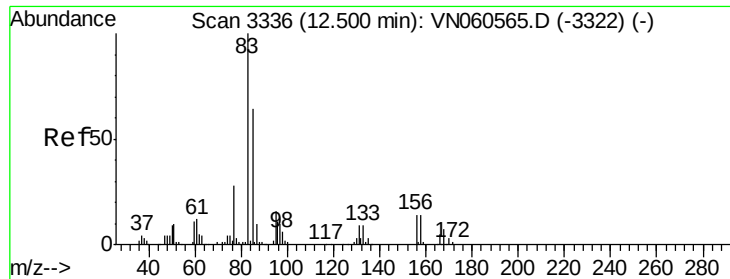
43 100

70 39.4 31.1 46.7

55 24.1 18.6 27.8

61 23.2 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.371 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

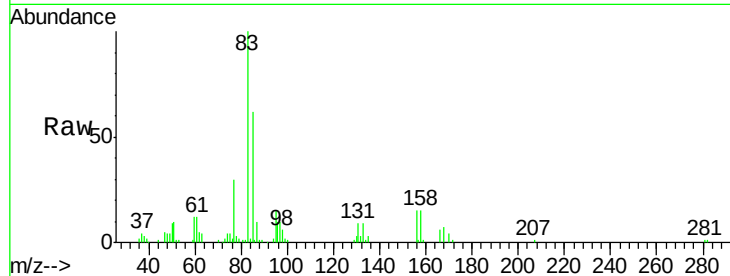
ClientSampleId :

VN0406WBS01

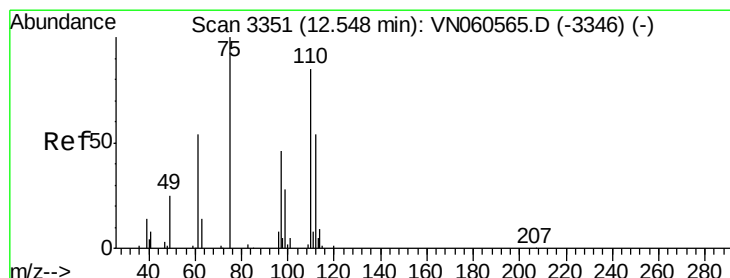
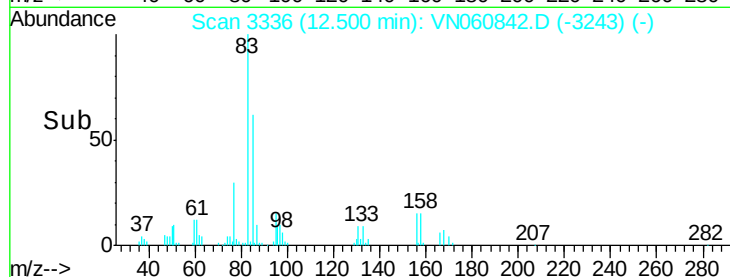
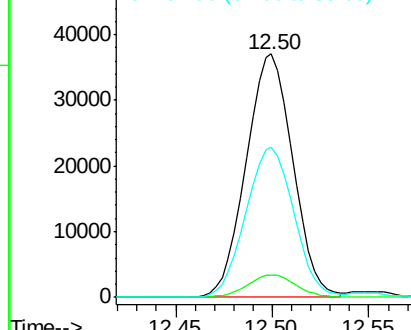
Tot Ion:	83	Resp:	62436
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	63.3	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060842.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 18.314 ug/l m

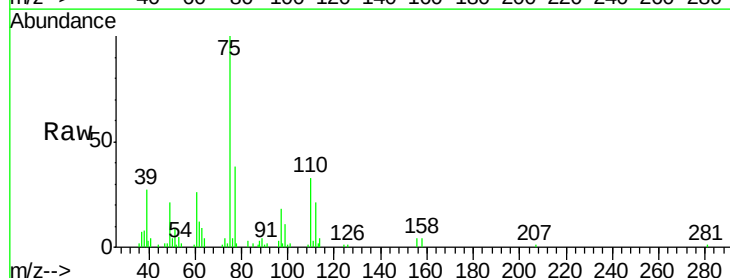
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

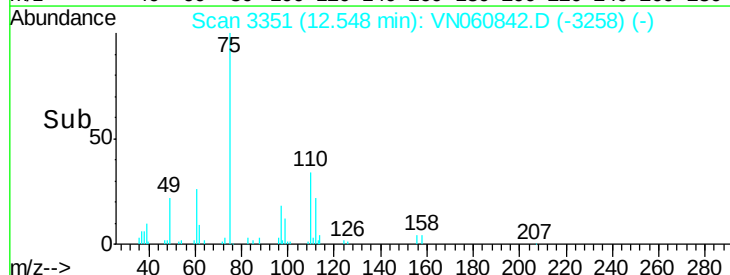
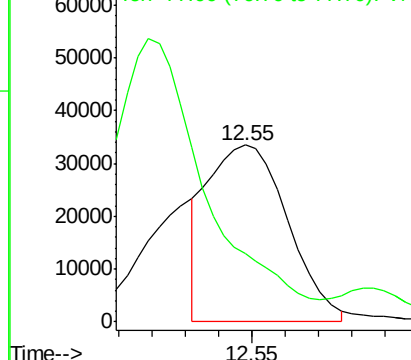
Lab File: VN060842.D

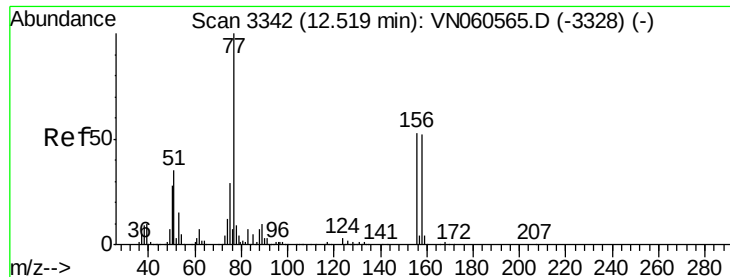
Acq: 6 Apr 2020 11:38

Tgt Ion:	75	Resp:	56126
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060842.D (-3258) (-)





#77

Bromobenzene

Concen: 18.686 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0406WBS01

Tot Ion:156 Resp: 47992

Ion Ratio Lower Upper

156 100

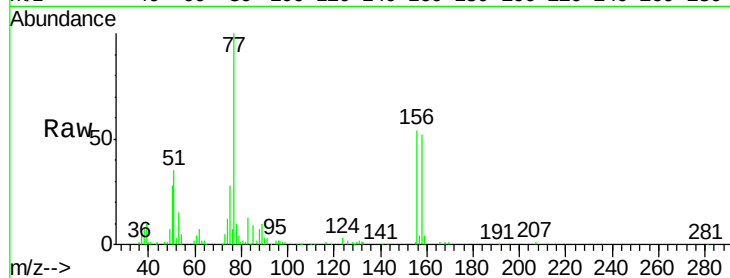
77 226.8 112.3 337.0

158 98.4 48.6 145.8

Manual Integrations
APPROVED

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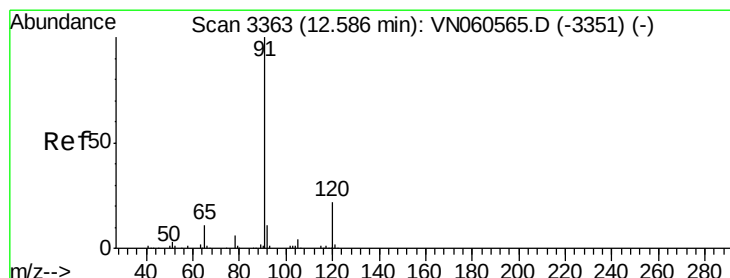
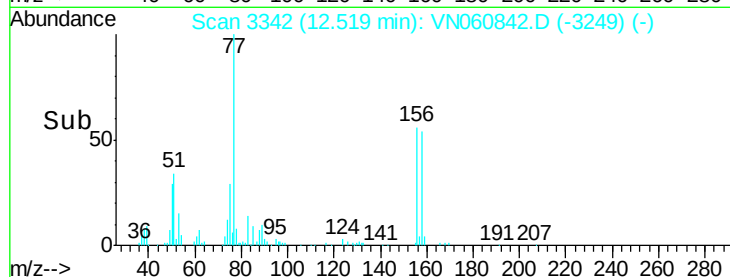
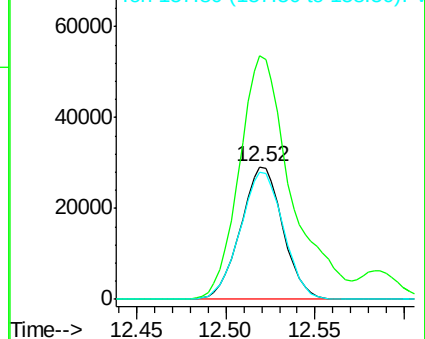
4/7/2020 3:21:41 PM



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: 19.228 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060842.D

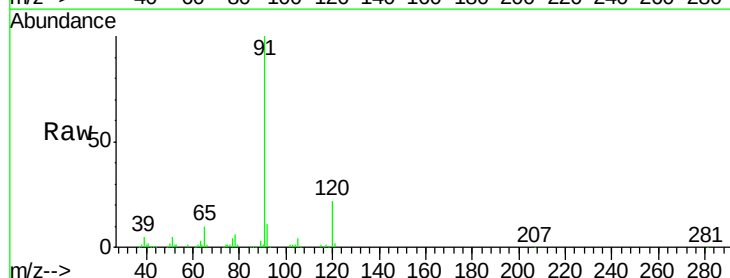
Acq: 6 Apr 2020 11:38

Tgt Ion: 91 Resp: 242118

Ion Ratio Lower Upper

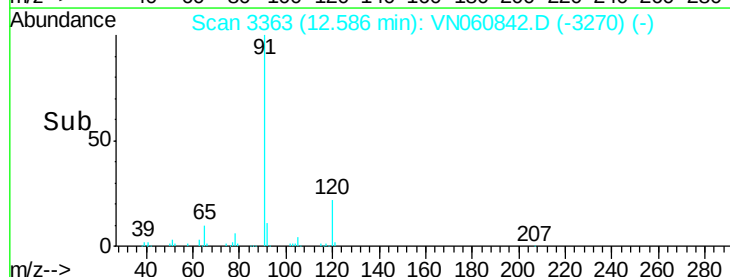
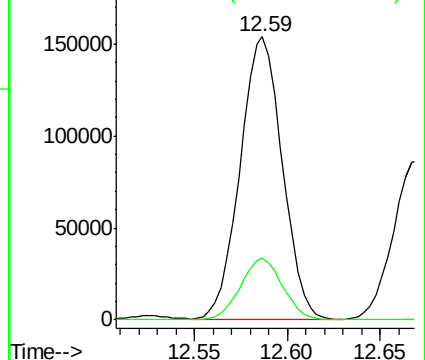
91 100

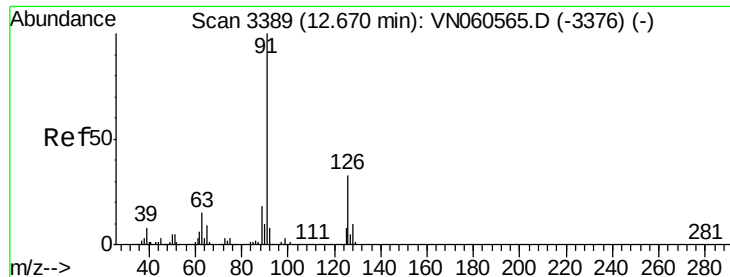
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.872 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0406WBS01

Tot Ion: 91 Resp: 141991

Ion Ratio Lower Upper

91 100

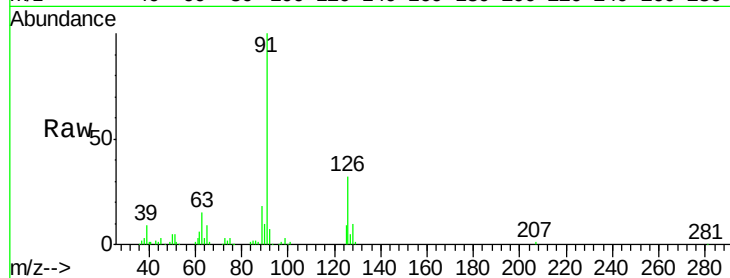
126 32.2 16.4 49.1

Manual Integrations

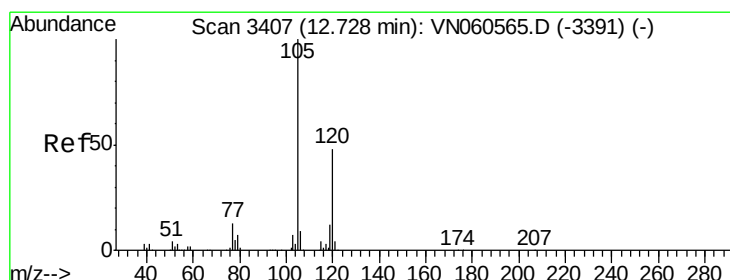
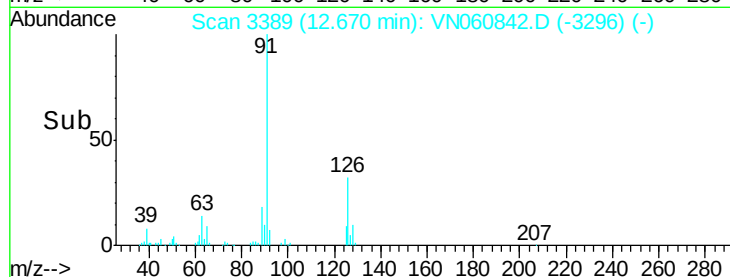
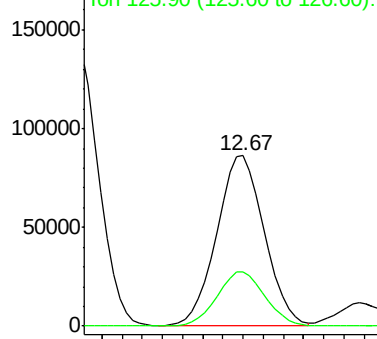
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN060842.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.196 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060842.D

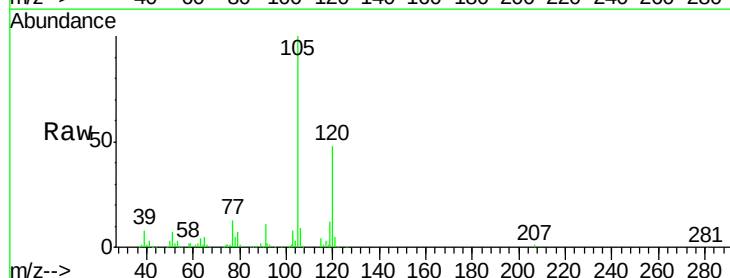
Acq: 6 Apr 2020 11:38

Tgt Ion: 105 Resp: 173632

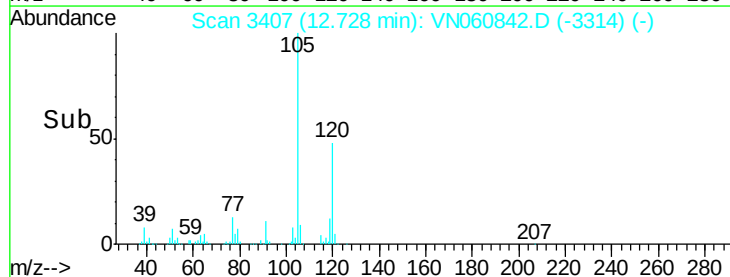
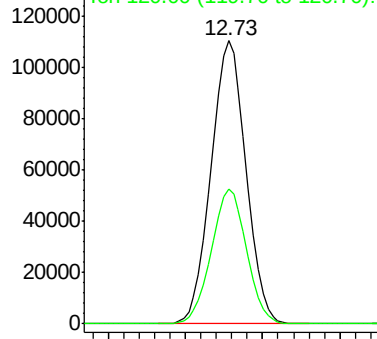
Ion Ratio Lower Upper

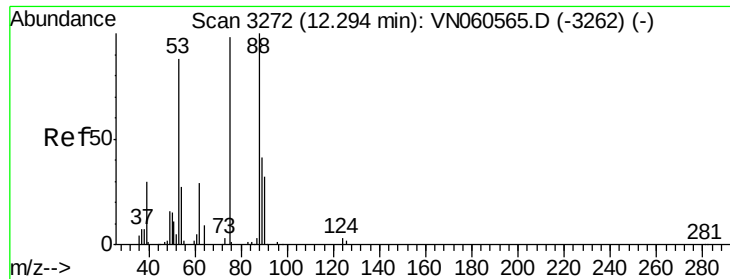
105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060842.D (-3314) (-)





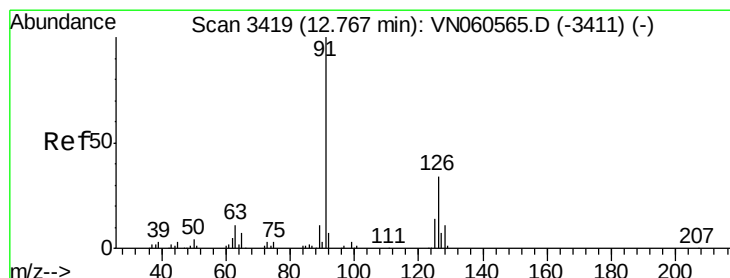
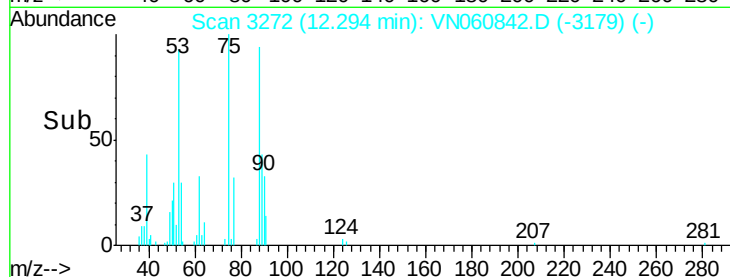
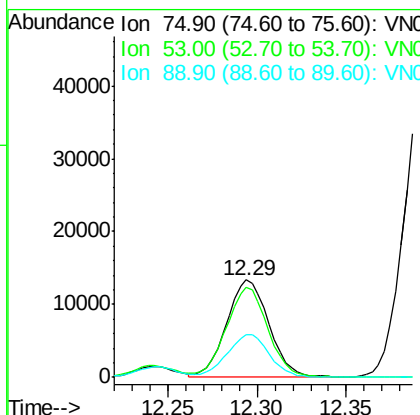
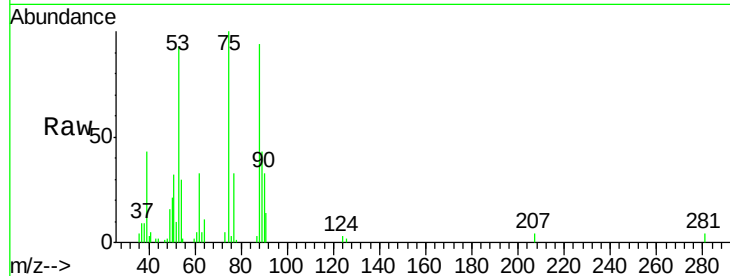
#81
trans-1,4-Dichloro-2-butene
Concen: 18.554 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.0	109.4
89	43.8	34.8	52.2

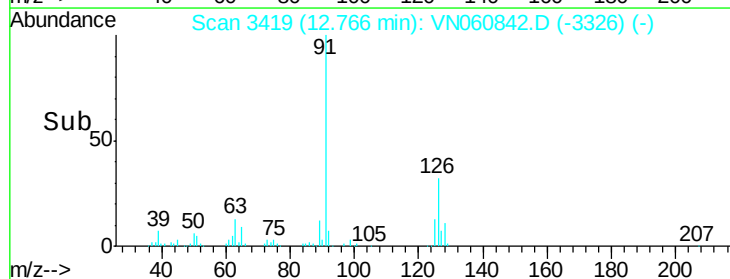
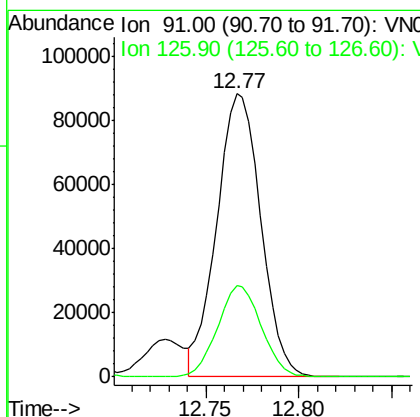
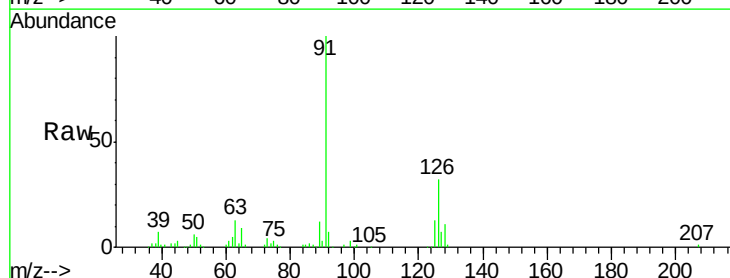
Manual Integrations
APPROVED

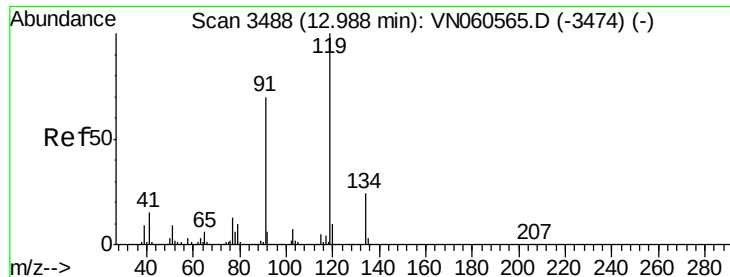
MMDadoda
4/7/2020 3:21:41 PM



#82
4-Chlorotoluene
Concen: 18.956 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.5





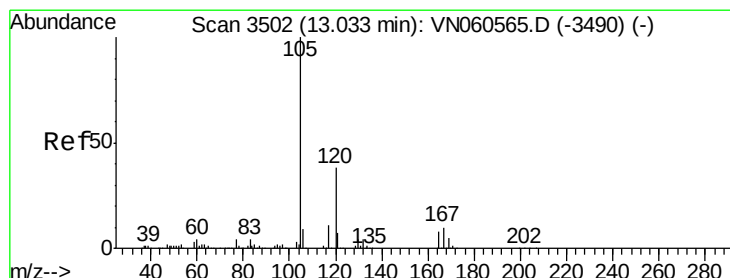
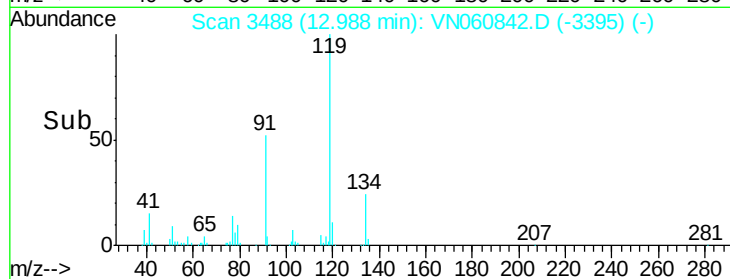
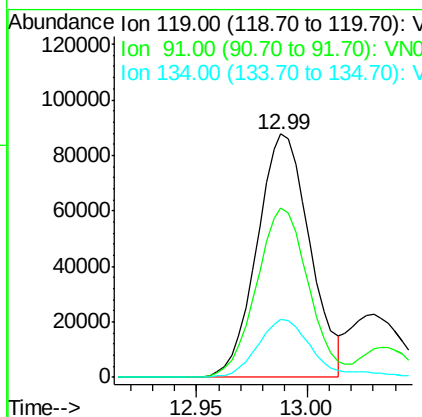
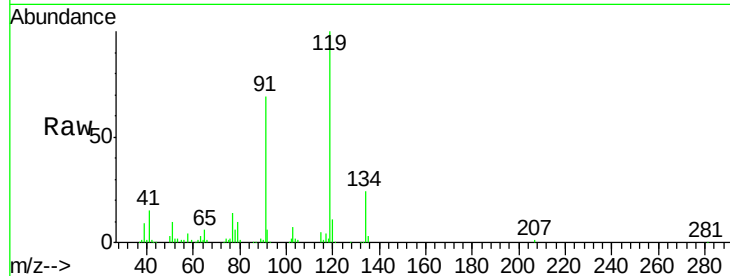
#83
 tert-Butylbenzene
 Concen: 19.359 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.0	101.8
134	25.0	12.7	38.0

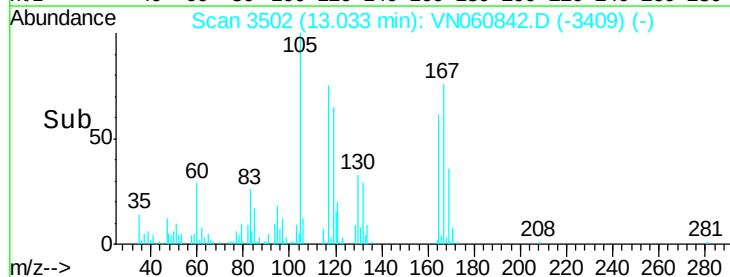
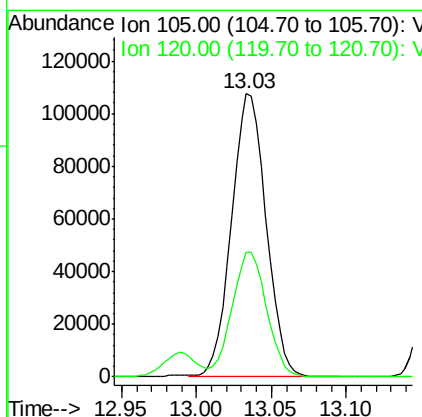
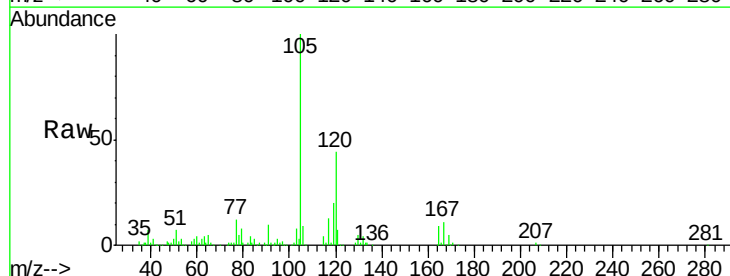
Manual Integrations
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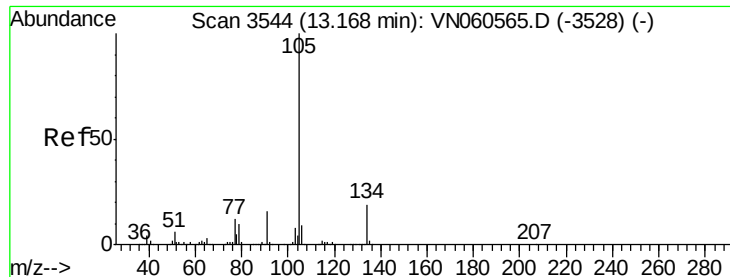
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.367 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.746 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0406WBS01

Tot Ion:105 Resp: 199095

Ion Ratio Lower Upper

105 100

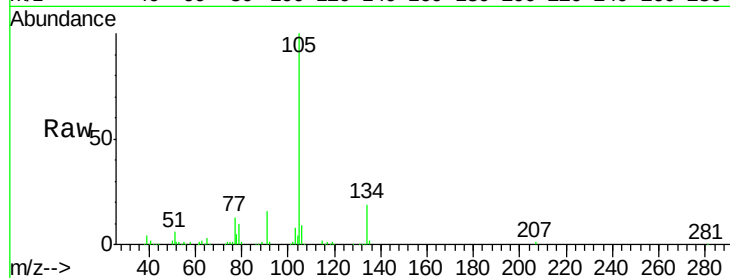
134 19.1 9.6 28.8

Manual Integrations

APPROVED

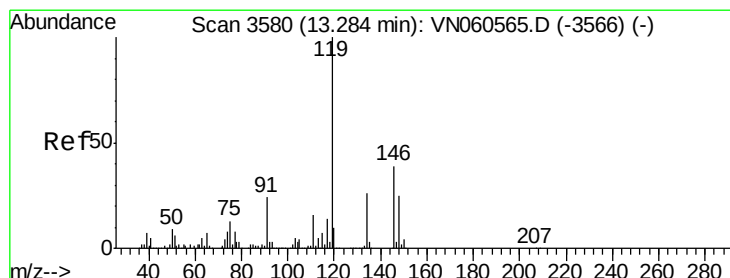
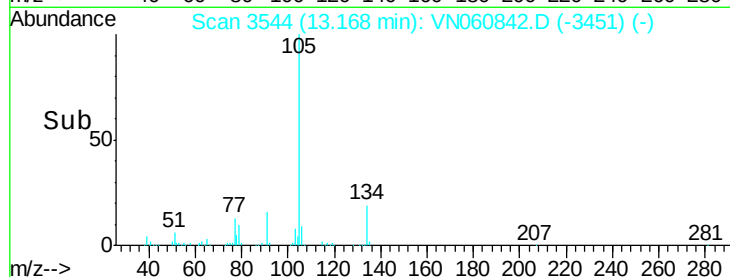
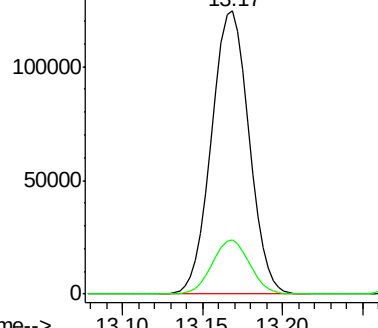
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.719 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060842.D

Acq: 6 Apr 2020 11:38

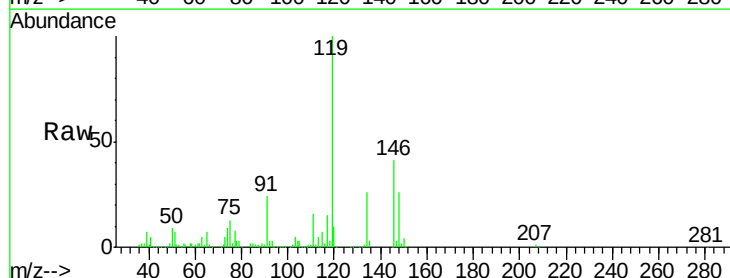
Tgt Ion:119 Resp: 178784

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

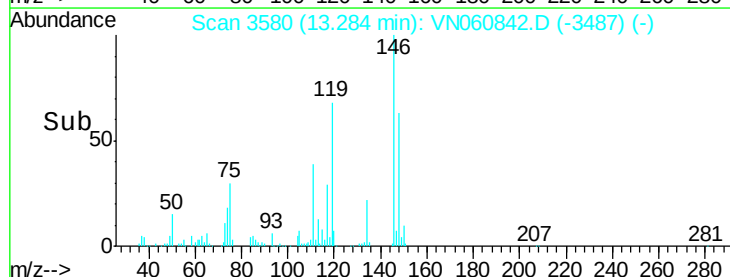
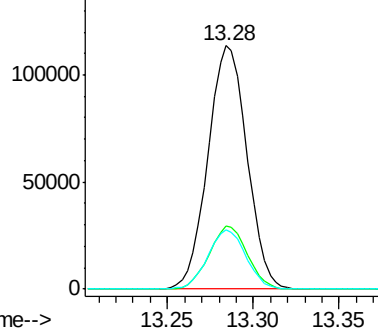
91 23.9 12.0 36.0

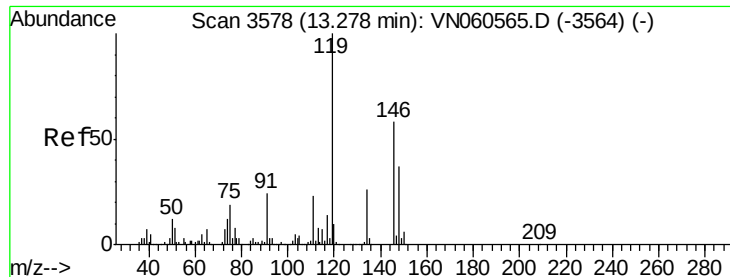


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





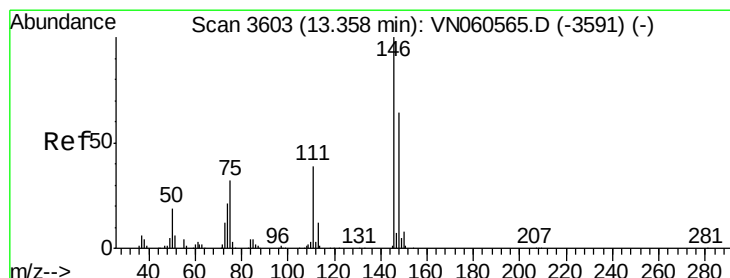
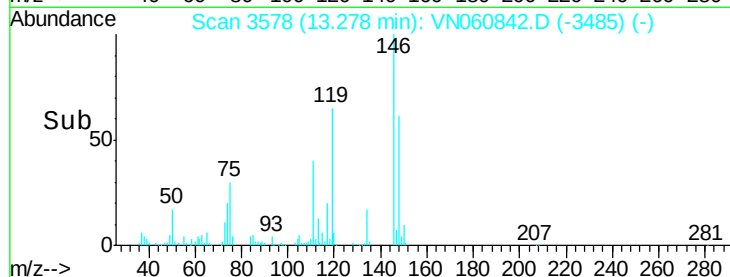
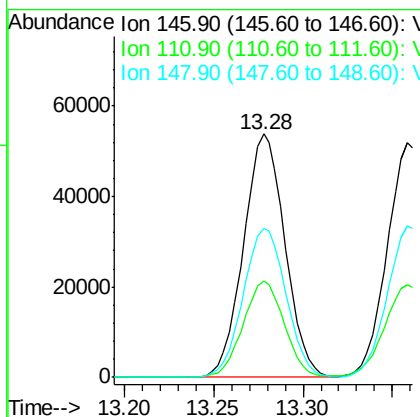
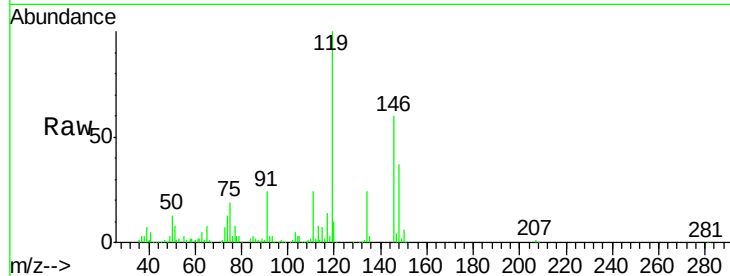
#87
 1,3-Dichlorobenzene
 Concen: 19.325 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	63.0	32.5	97.4

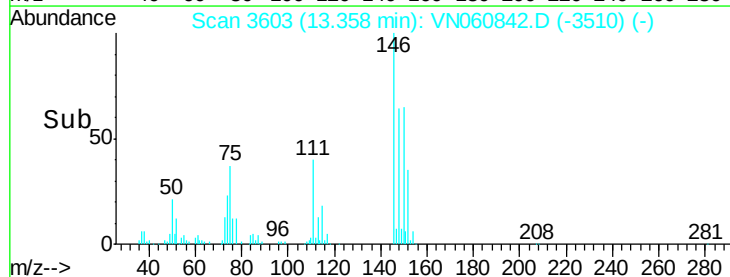
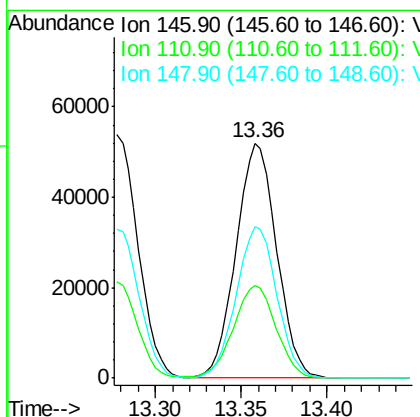
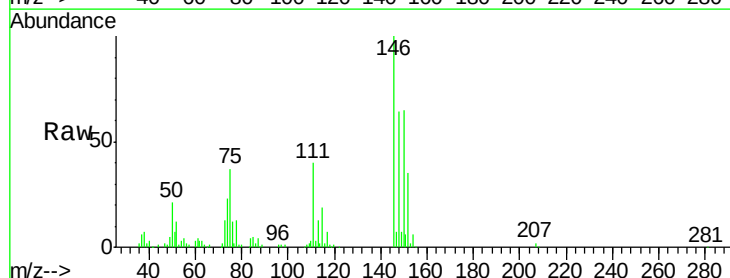
Manual Integrations
 APPROVED

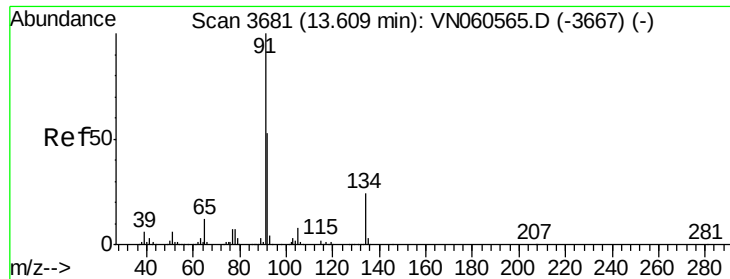
MMDadoda
 4/7/2020 3:21:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.668 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.6	58.7
148	65.0	32.1	96.3





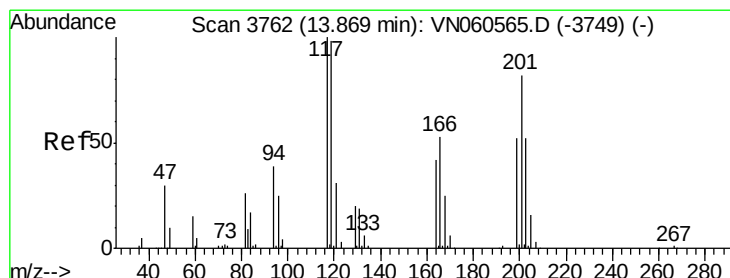
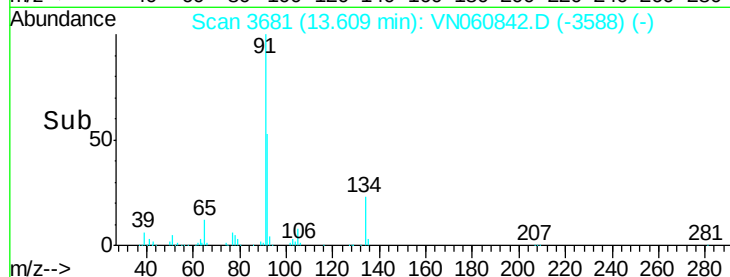
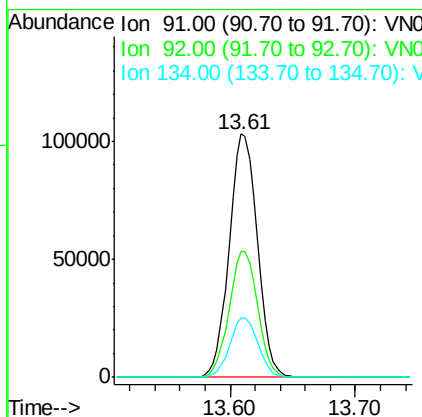
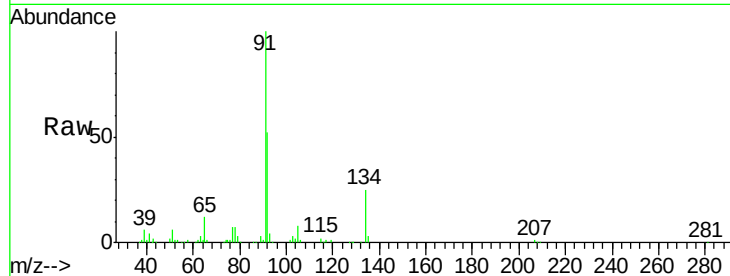
#89
n-Butylbenzene
Concen: 19.634 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0406WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	24.5	12.3	36.9

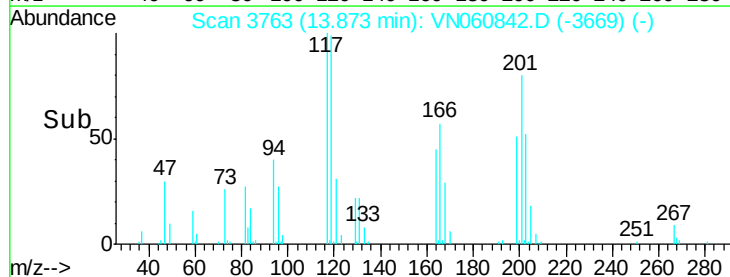
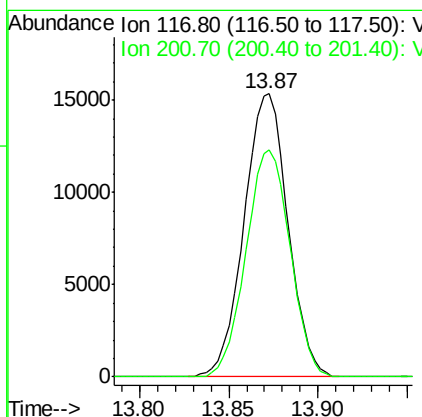
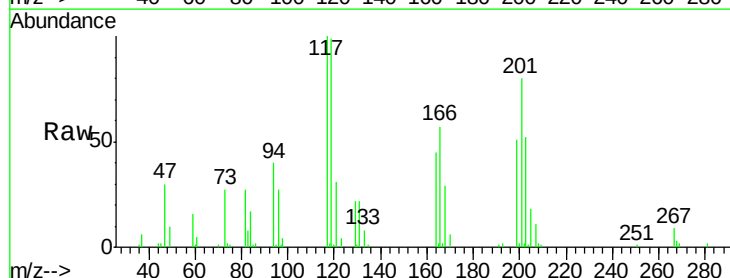
Manual Integrations
APPROVED

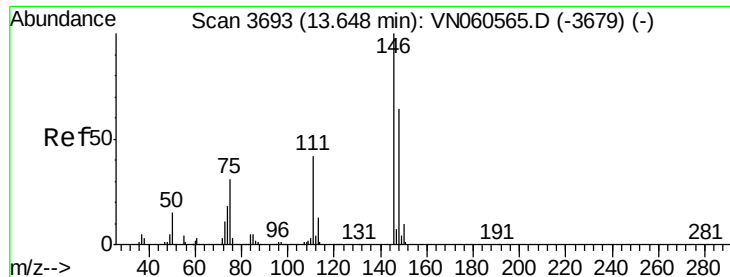
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4/7/2020 3:21:41 PM



#90
Hexachloroethane
Concen: 20.005 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	40.8	122.5





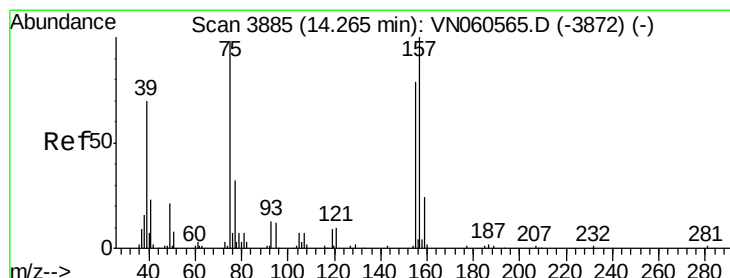
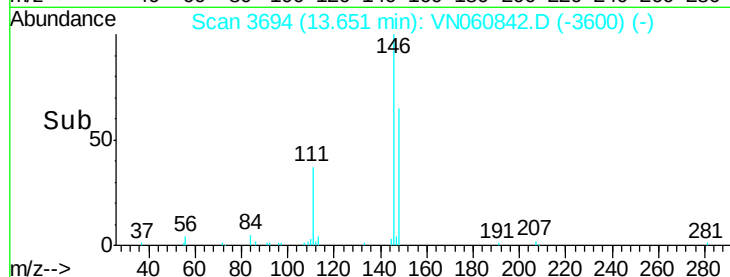
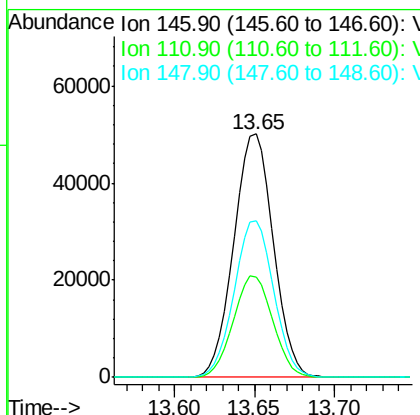
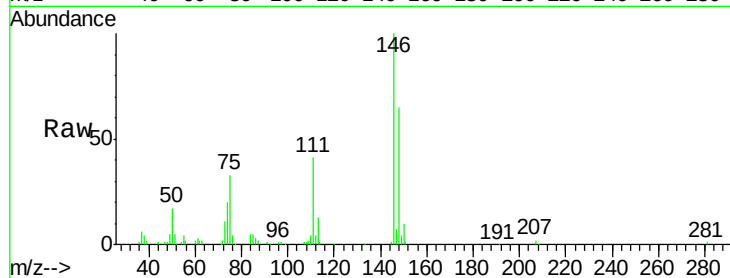
#91
 1,2-Dichlorobenzene
 Concen: 19.503 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	64.1	31.9	95.5

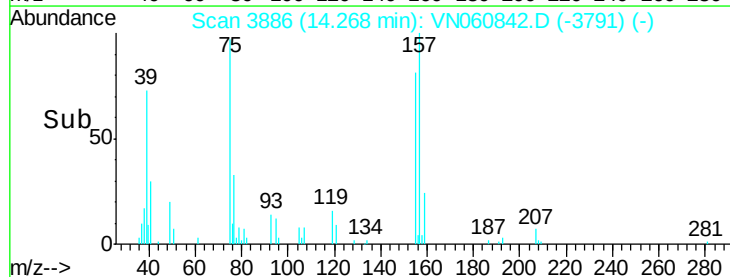
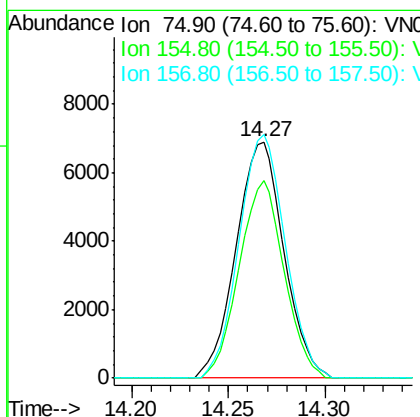
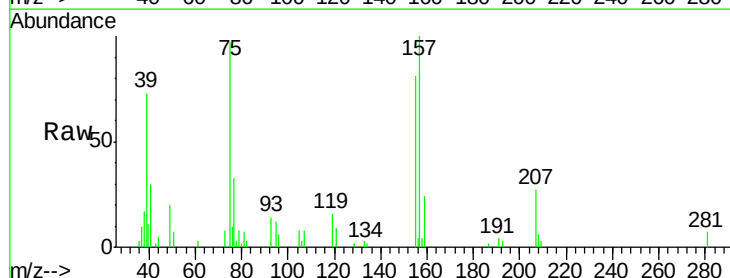
Manual Integrations
 APPROVED

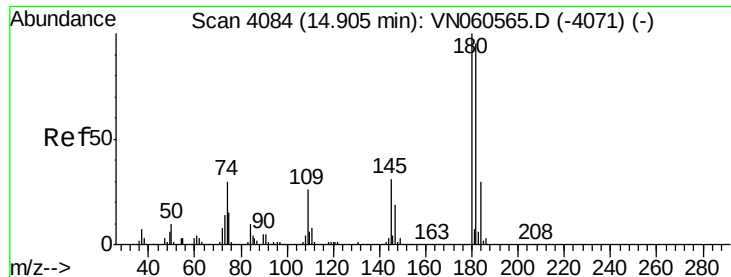
MMDadoda
 4/7/2020 3:21:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.403 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	40.7	122.1
157	99.9	51.5	154.7





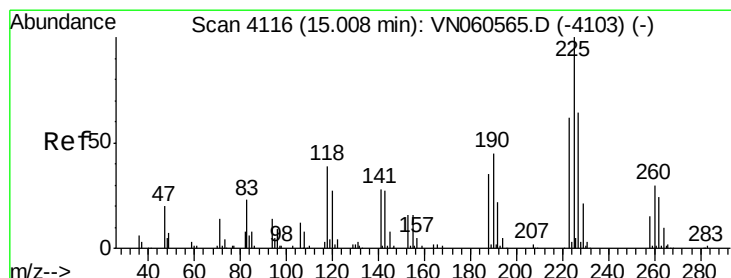
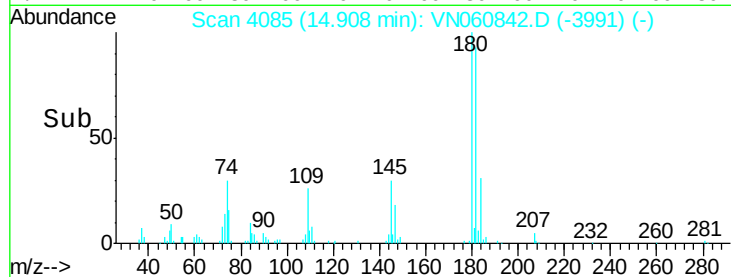
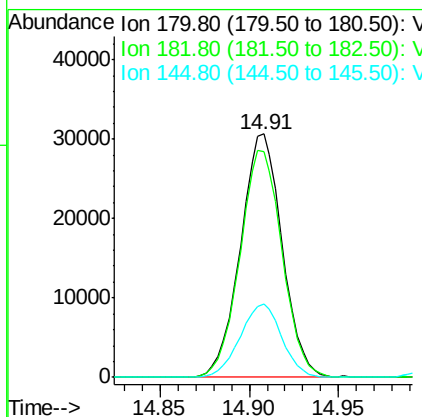
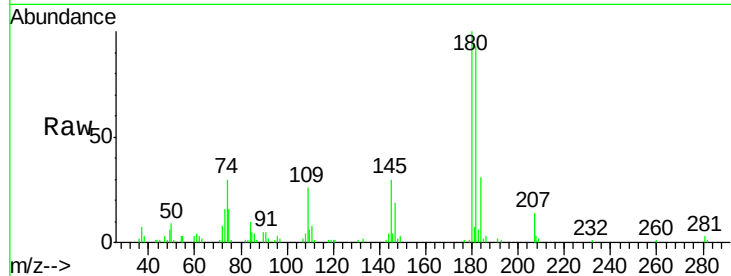
#93
 1,2,4-Trichlorobenzene
 Concen: 18.741 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.8
145	30.1	15.4	46.2

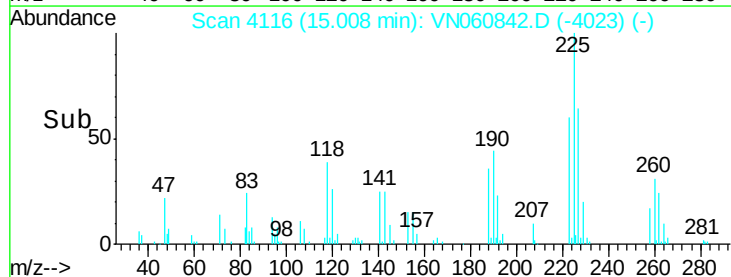
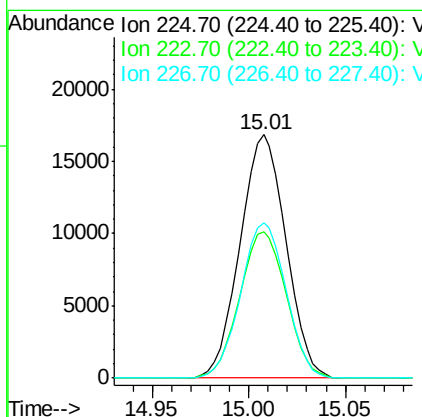
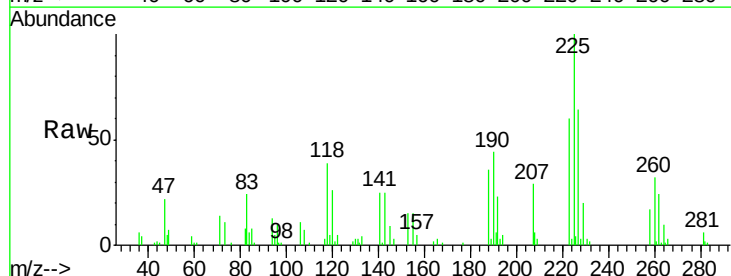
Manual Integrations
 APPROVED

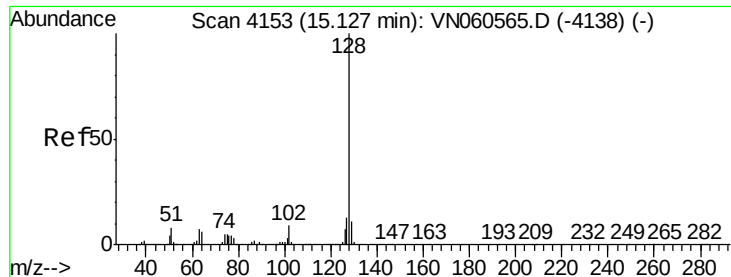
MMDadoda
 4/7/2020 3:21:41 PM



#94
 Hexachlorobutadiene
 Concen: 21.316 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060842.D
 Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.6	95.0
227	63.0	32.3	96.8





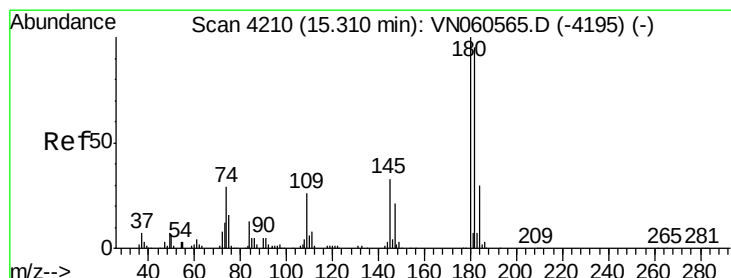
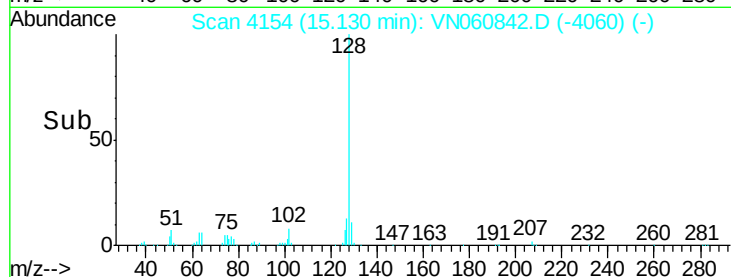
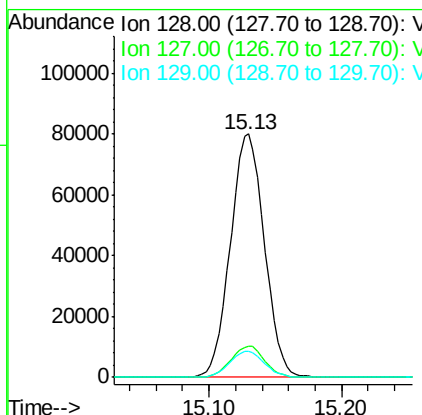
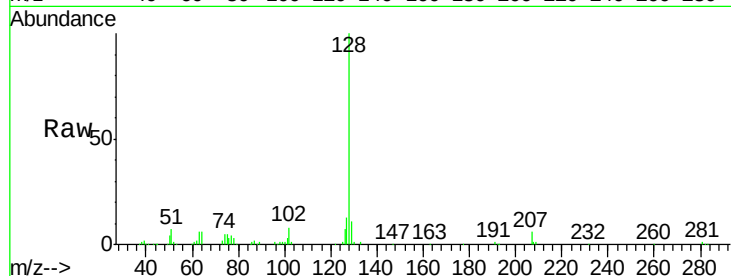
#95
Naphthalene
Concen: 17.764 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0406WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	142119		
127	12.7	10.2	15.2	
129	10.9	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
4/7/2020 3:21:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.405 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060842.D
Acq: 6 Apr 2020 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48220		
182	96.1	47.5	142.6	
145	32.1	16.3	48.8	

