

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060871.D
 Acq On : 7 Apr 2020 12:40
 Operator : JC/MD
 Sample : VN0407WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 9:39:13 AM

Quant Time: Apr 08 07:46:06 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	197636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	319794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136462	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125330	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
35) Dibromofluoromethane	7.56	113	95114	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.08	98	377088	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.40	95	136507	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32507	16.999	ug/l	98
3) Chloromethane	2.04	50	55640	15.579	ug/l	100
4) Vinyl Chloride	2.17	62	45279	16.209	ug/l	97
5) Bromomethane	2.55	94	24073	19.962	ug/l	99
6) Chloroethane	2.69	64	29260	18.183	ug/l	99
7) Trichlorofluoromethane	3.00	101	62979	18.301	ug/l	97
8) Diethyl Ether	3.38	74	25781	18.649	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37749	18.931	ug/l	99
10) Methyl Iodide	3.93	142	30067	16.946	ug/l	98
11) Tert butyl alcohol	4.72	59	31498	78.940	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	38225	17.864	ug/l	99
13) Acrolein	3.57	56	30533	69.045	ug/l	98
14) Allyl chloride	4.29	41	68334	18.157	ug/l	98
15) Acrylonitrile	4.94	53	104360	88.944	ug/l	99
16) Acetone	3.78	43	90108	93.762	ug/l	99
17) Carbon Disulfide	4.03	76	106466	16.360	ug/l	99
18) Methyl Acetate	4.29	43	50366	18.619	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	134327	18.259	ug/l	97
20) Methylene Chloride	4.52	84	44126	18.665	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	40214	17.634	ug/l	96
22) Diisopropyl ether	5.91	45	154832	19.473	ug/l	97
23) Vinyl Acetate	5.86	43	611994	94.337	ug/l	100
24) 1,1-Dichloroethane	5.82	63	82453	19.023	ug/l	99
25) 2-Butanone	6.80	43	135838	87.349	ug/l	99
26) 2,2-Dichloropropane	6.79	77	69932	20.506	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	47933	18.496	ug/l	99
28) Bromochloromethane	7.17	49	38114	18.379	ug/l	100
29) Tetrahydrofuran	7.18	42	93464	84.944	ug/l	98
30) Chloroform	7.34	83	78254	18.833	ug/l	100
31) Cyclohexane	7.63	56	78221	17.901	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	66745	18.633	ug/l	99
36) 1,1-Dichloropropene	7.77	75	59791	19.309	ug/l	100
37) Ethyl Acetate	6.89	43	60063	17.951	ug/l	99
38) Carbon Tetrachloride	7.75	117	51273	18.475	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71457	19.418	ug/l	99
40) Benzene	8.02	78	179485	19.201	ug/l	98
41) Methacrylonitrile	7.14	41	26147m	18.311	ug/l	
42) 1,2-Dichloroethane	8.10	62	62182	19.464	ug/l	99
43) Isopropyl Acetate	8.14	43	101520	18.398	ug/l	100
44) Trichloroethene	8.81	130	45159	19.164	ug/l	99
45) 1,2-Dichloropropane	9.10	63	50072	20.300	ug/l	96
46) Dibromomethane	9.19	93	28934	19.403	ug/l	99
47) Bromodichloromethane	9.38	83	60089	19.391	ug/l	100
48) Methyl methacrylate	9.18	41	44151	17.971	ug/l	98
49) 1,4-Dioxane	9.18	88	11079	379.390	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	288475	91.870	ug/l	99
52) Toluene	10.14	92	107761	19.088	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69935	19.648	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76142	19.499	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41847	19.268	ug/l	98
56) Ethyl methacrylate	10.42	69	62460	18.444	ug/l	98
57) 1,3-Dichloropropane	10.70	76	73561	19.518	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	138541	82.312	ug/l	100
59) 2-Hexanone	10.74	43	199191	88.062	ug/l	100
60) Dibromochloromethane	10.89	129	42986	19.161	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41555	19.027	ug/l	100
64) Tetrachloroethene	10.62	164	42464	18.401	ug/l	98
65) Chlorobenzene	11.43	112	110192	18.955	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	40392	19.190	ug/l	99
67) Ethyl Benzene	11.50	91	206993	19.146	ug/l	98
68) m/p-Xylenes	11.61	106	154344	38.419	ug/l	99
69) o-Xylene	11.94	106	72664	18.947	ug/l	99
70) Styrene	11.96	104	115528	18.419	ug/l	99
71) Bromoform	12.12	173	29772	18.127	ug/l #	100
73) Isopropylbenzene	12.24	105	196679	19.205	ug/l	99
74) N-amyl acetate	12.06	43	84147	17.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57542	18.580	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	51957m	17.645	ug/l	
77) Bromobenzene	12.52	156	46214	18.728	ug/l	99
78) n-propylbenzene	12.59	91	232727	19.235	ug/l	99
79) 2-Chlorotoluene	12.67	91	135172	18.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	165673	19.063	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19784	17.256	ug/l	98
82) 4-Chlorotoluene	12.77	91	138508	18.812	ug/l	100
83) tert-Butylbenzene	12.99	119	141986	19.708	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	163817	19.053	ug/l	99
85) sec-Butylbenzene	13.17	105	189809	19.593	ug/l	99
86) p-Isopropyltoluene	13.28	119	171306	19.664	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	84252	19.358	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	82293	18.820	ug/l	99
89) n-Butylbenzene	13.61	91	155919	19.824	ug/l	99
90) Hexachloroethane	13.87	117	26336	20.798	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	79514	19.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10693	16.304	ug/l	94

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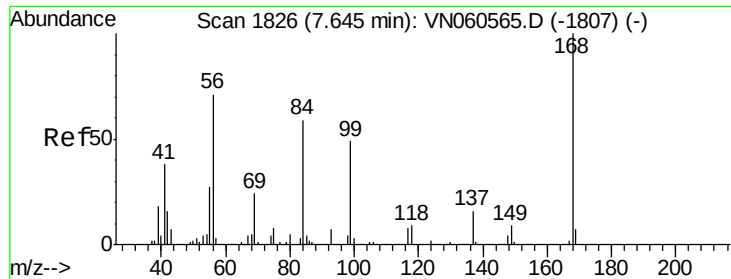
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	47554	18.607	ug/l	99
94) Hexachlorobutadiene	15.01	225	26098	20.831	ug/l	98
95) Naphthalene	15.13	128	127652	16.607	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46670	18.540	ug/l	97

(#) = 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: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion:168 Resp: 197636

Ion Ratio Lower Upper

168 100

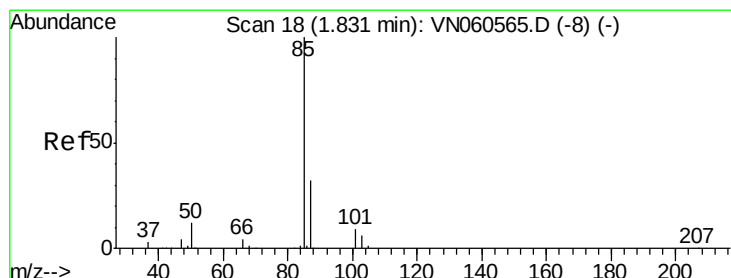
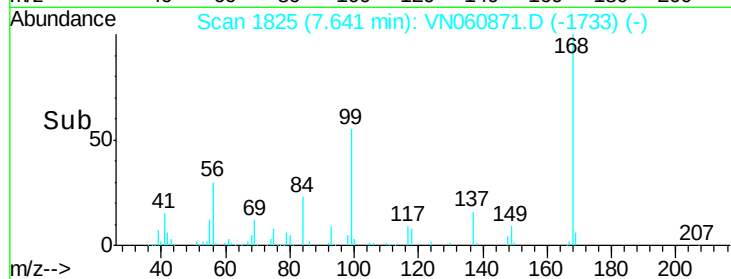
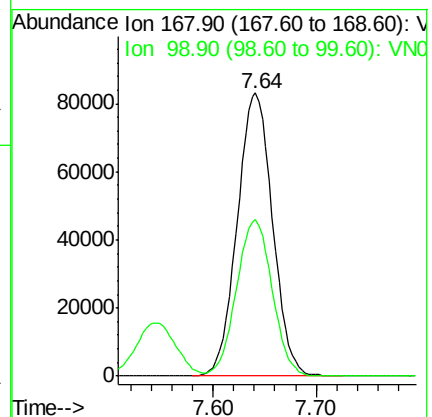
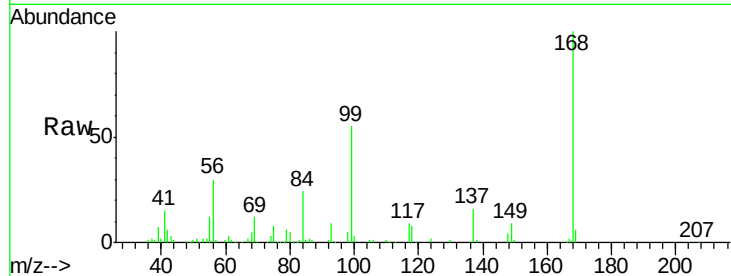
99 55.1 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.999 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060871.D

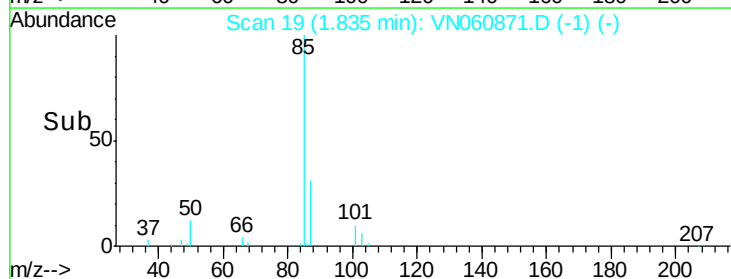
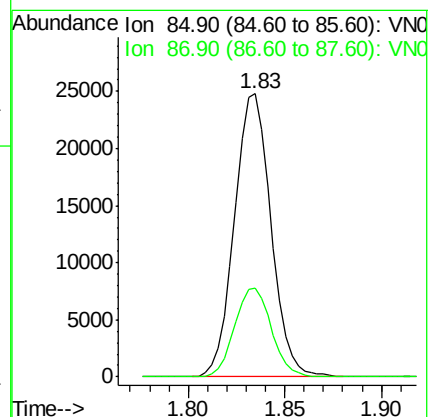
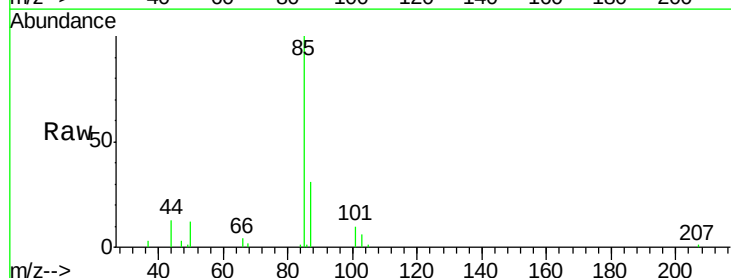
Acq: 7 Apr 2020 12:40

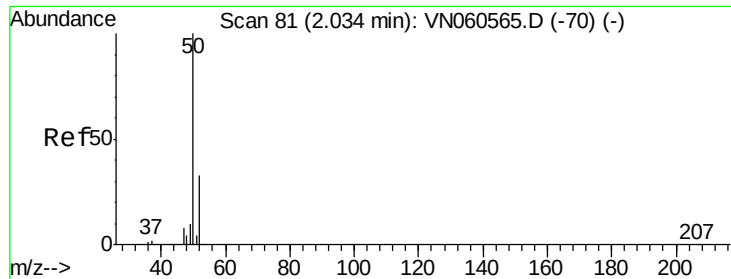
Tgt Ion: 85 Resp: 32507

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5





#3

Chloromethane

Concen: 15.579 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion: 50 Resp: 55640

Ion Ratio Lower Upper

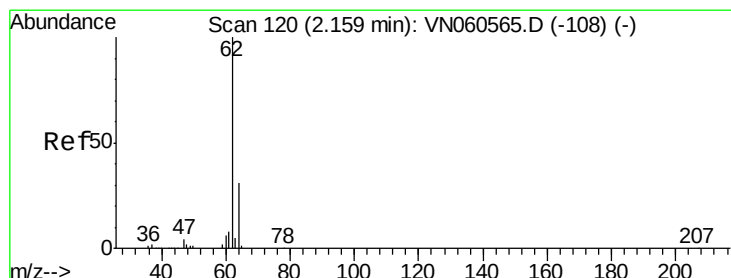
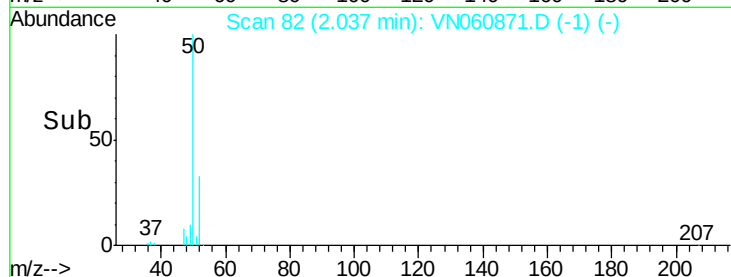
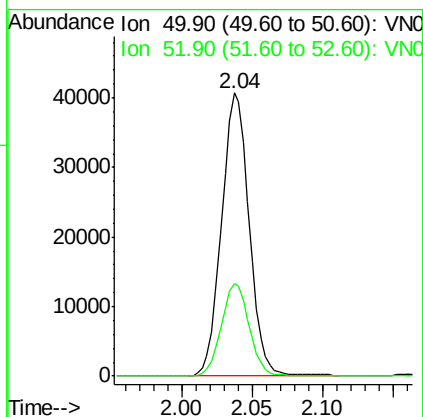
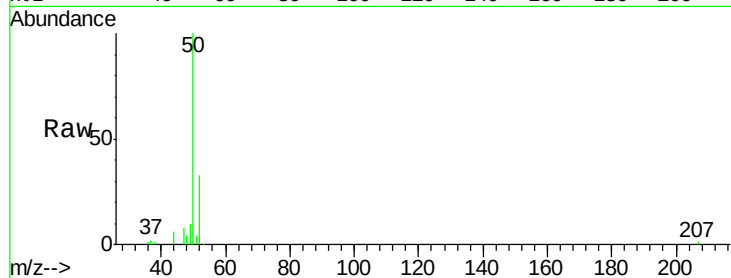
50 100

52 32.8 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.209 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060871.D

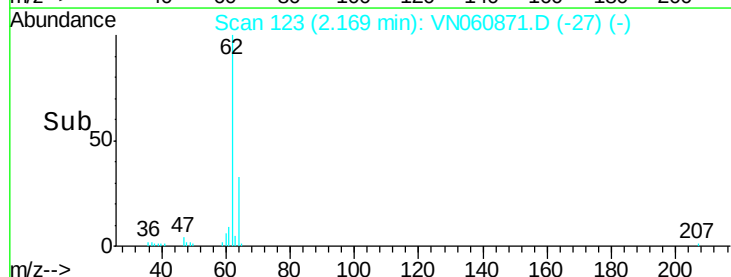
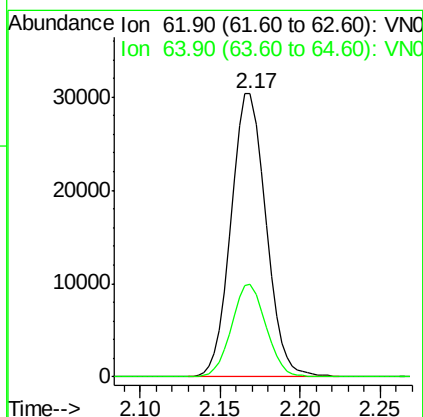
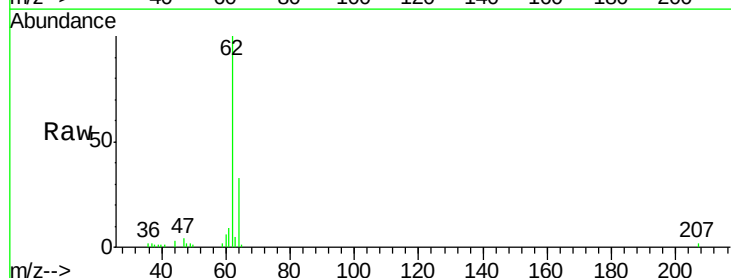
Acq: 7 Apr 2020 12:40

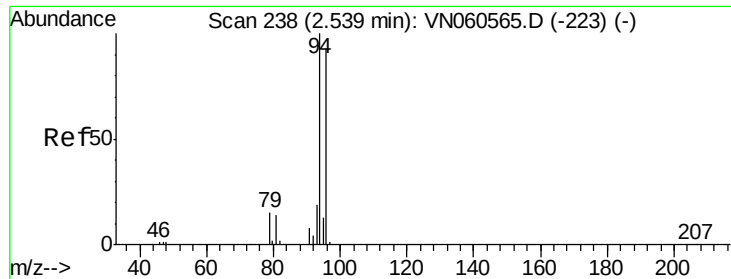
Tgt Ion: 62 Resp: 45279

Ion Ratio Lower Upper

62 100

64 32.6 24.7 37.1





#5

Bromomethane

Concen: 19.962 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0407WBS01

Tot Ion: 94 Resp: 24073

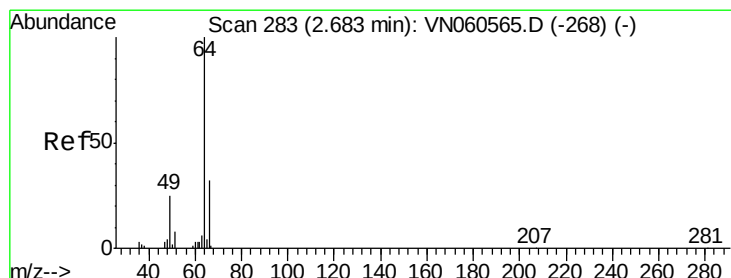
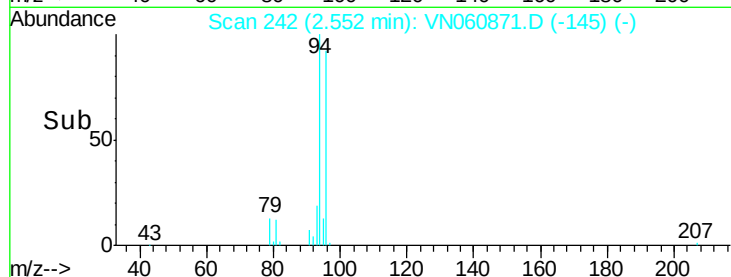
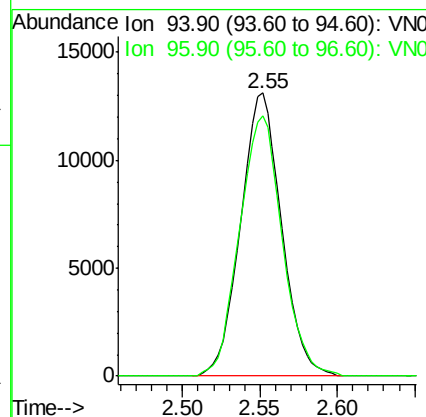
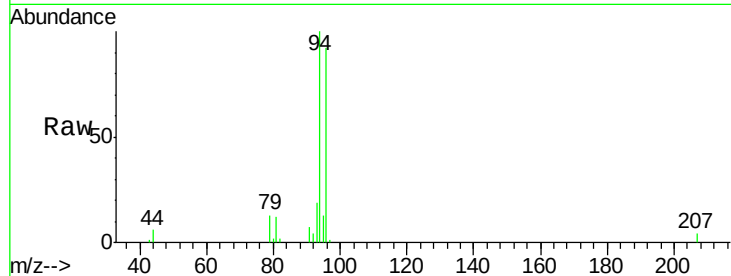
Ion Ratio Lower Upper

94 100

96 91.9 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 18.183 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060871.D

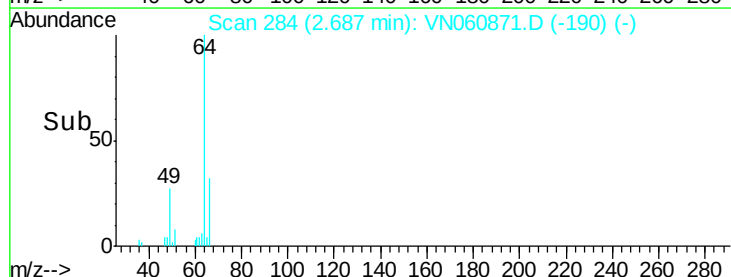
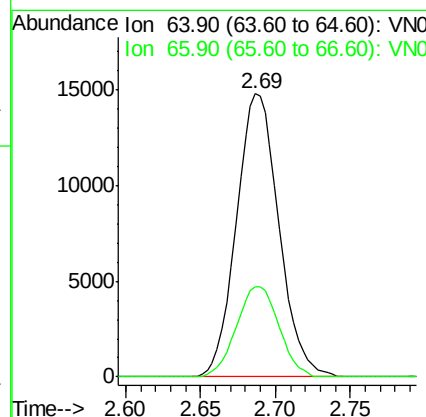
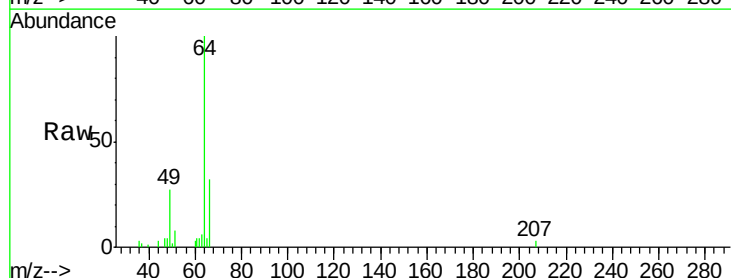
Acq: 7 Apr 2020 12:40

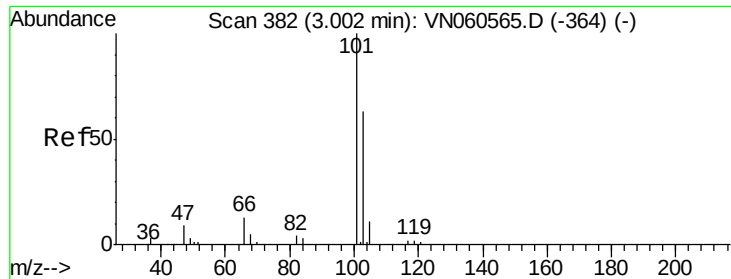
Tgt Ion: 64 Resp: 29260

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

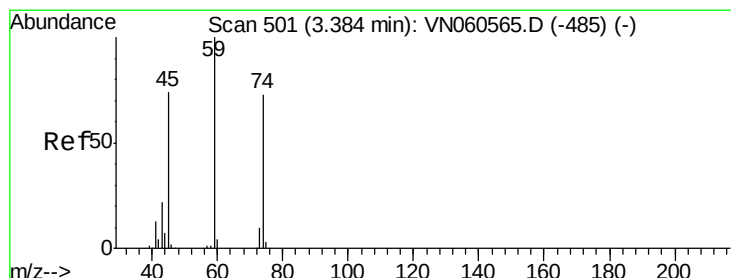
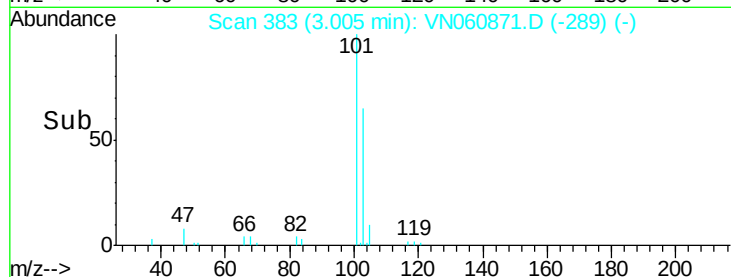
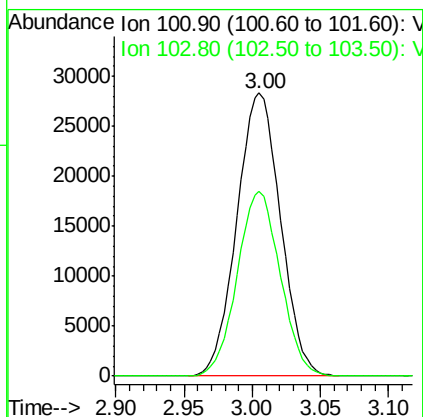
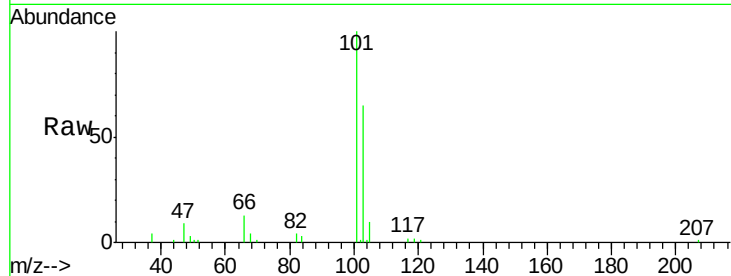
Trichlorofluoromethane
 Concen: 18.301 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.6	76.0

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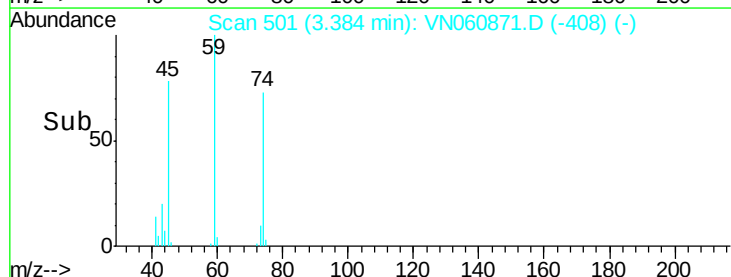
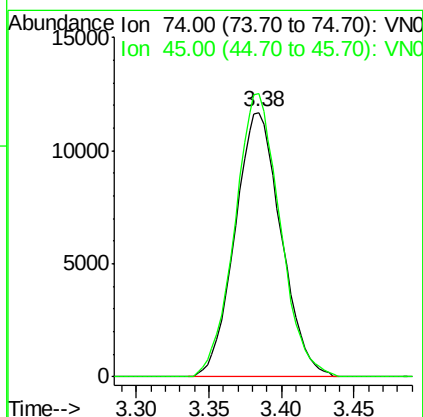
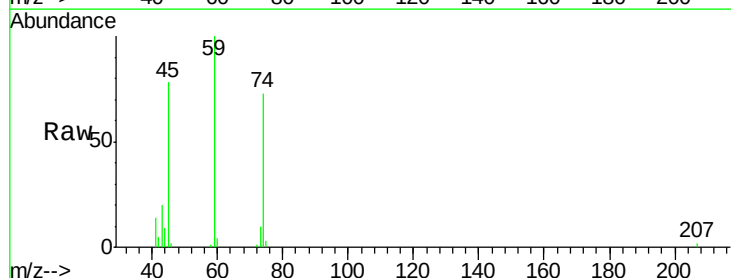
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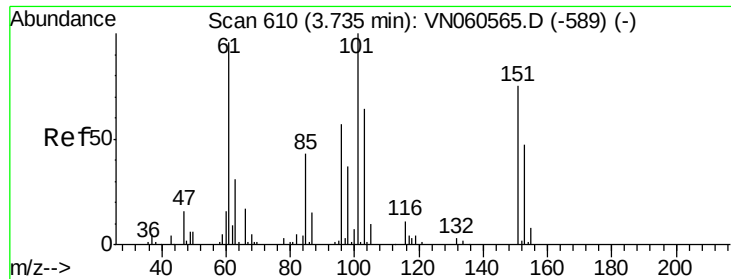


#8

Diethyl Ether
 Concen: 18.649 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.931 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

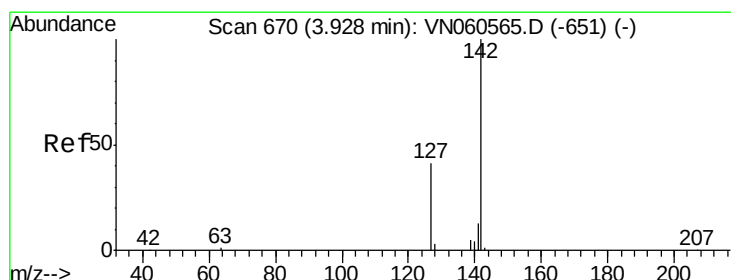
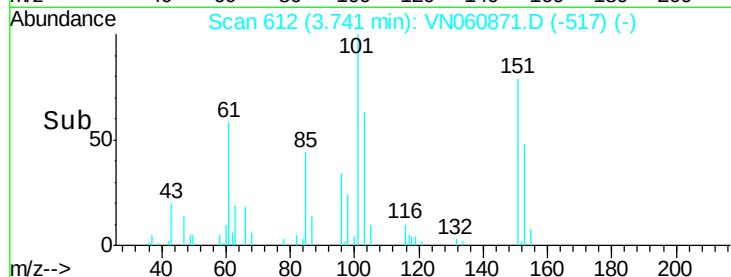
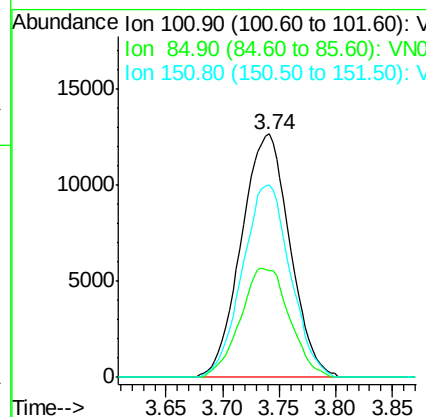
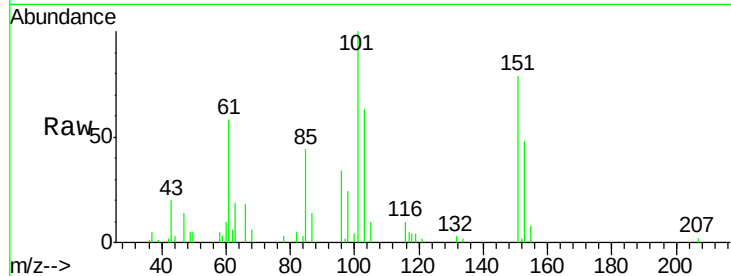
ClientSampleId :

VN0407WBS01

Tot Ion:	101	Resp:	37749
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.6	53.4
151	78.2	61.4	92.2

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#10

Methyl Iodide

Concen: 16.946 ug/l

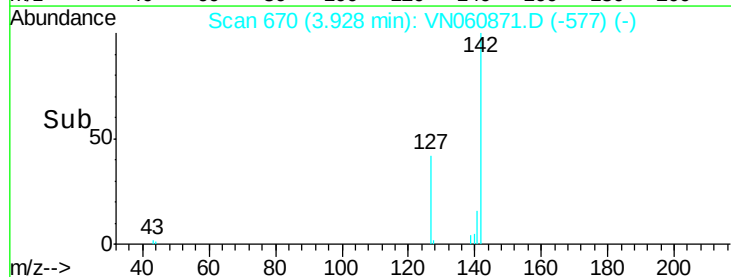
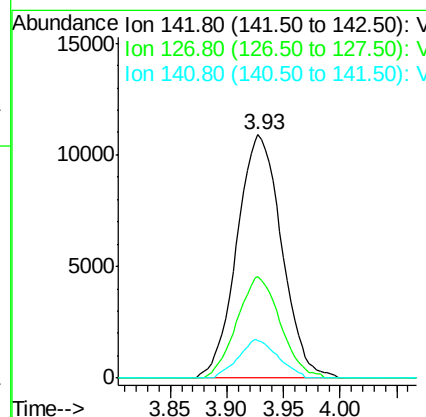
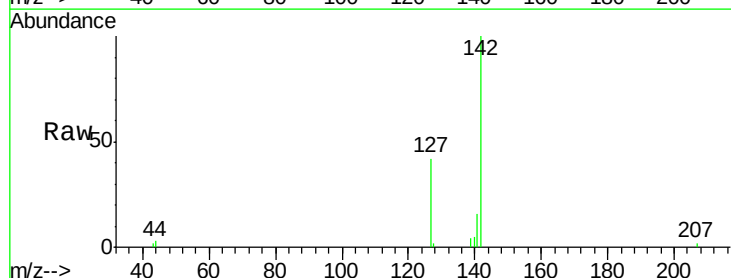
RT: 3.93 min Scan# 670

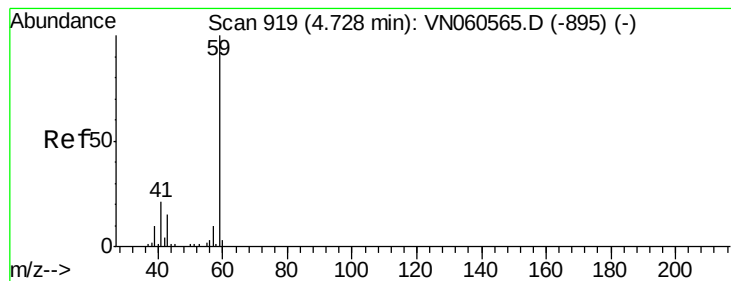
Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion:	142	Resp:	30067
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.5	50.3
141	14.0	11.0	16.6





#11

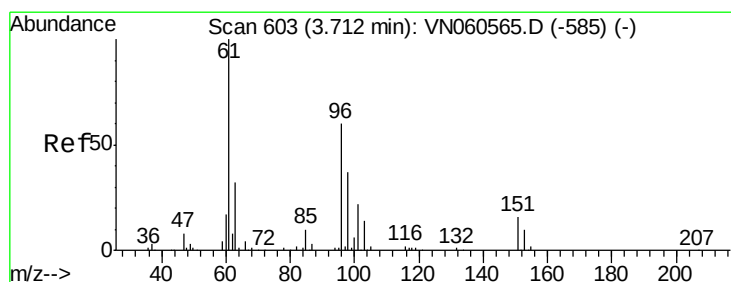
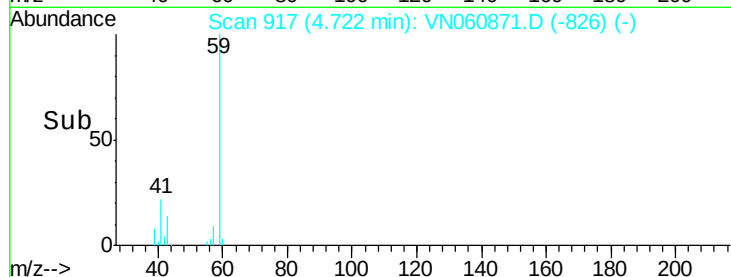
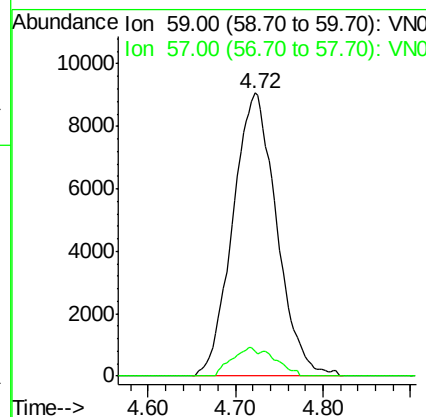
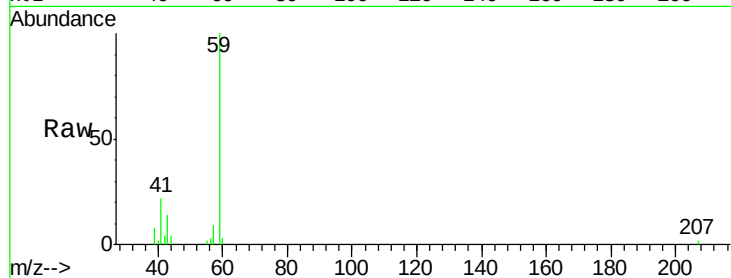
Tert butyl alcohol
Concen: 78.940 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.2	12.4#

Manual Integrations
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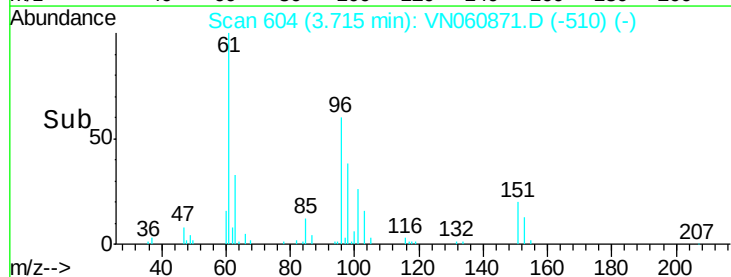
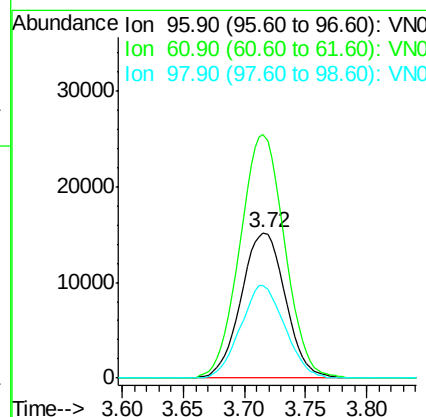
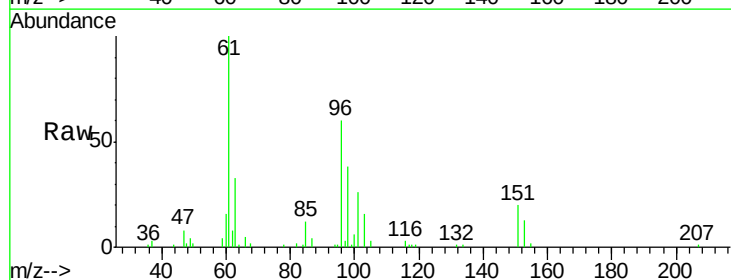
MMDadoda
4/8/2020 9:39:13 AM

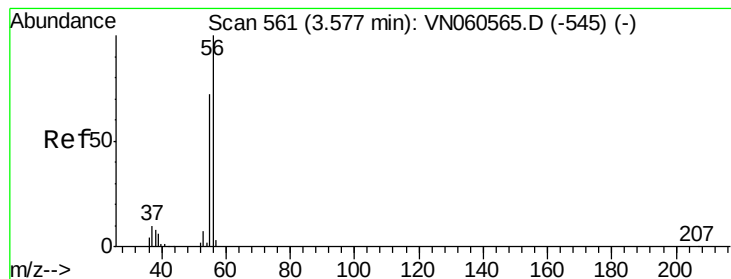


#12

1,1-Dichloroethene
Concen: 17.864 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	134.1	201.1
98	63.8	49.9	74.9





#13

Acrolein

Concen: 69.045 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion: 56 Resp: 30533

Ion Ratio Lower Upper

56 100

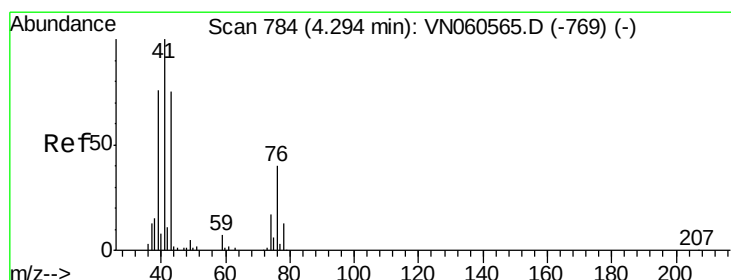
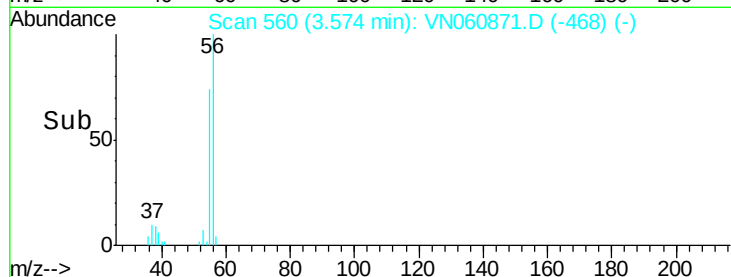
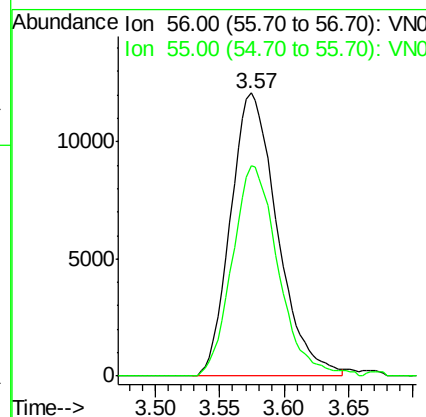
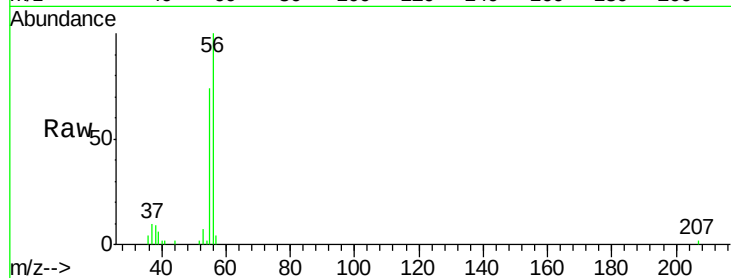
55 72.9 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

4/8/2020 9:39:13 AM



#14

Allyl chloride

Concen: 18.157 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

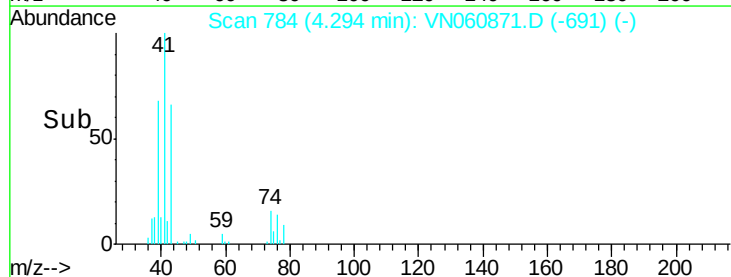
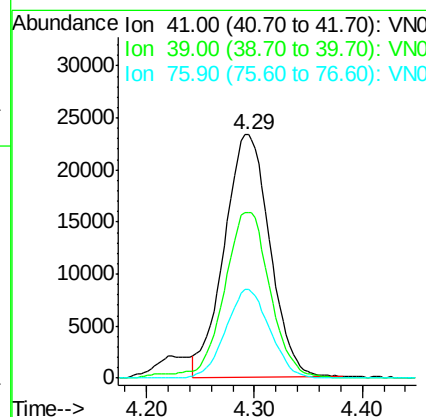
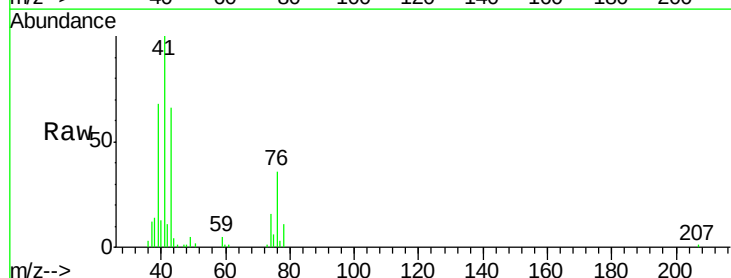
Tgt Ion: 41 Resp: 68334

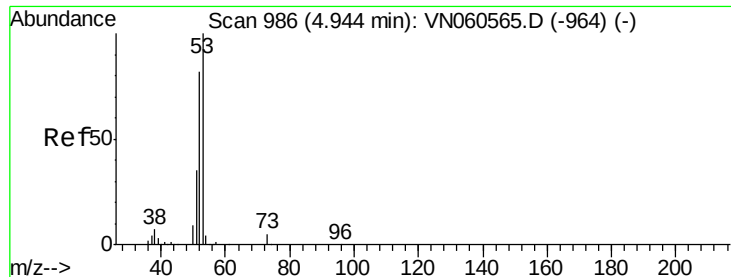
Ion Ratio Lower Upper

41 100

39 69.6 57.8 86.8

76 35.3 28.6 43.0





#15

Acrylonitrile

Concen: 88.944 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

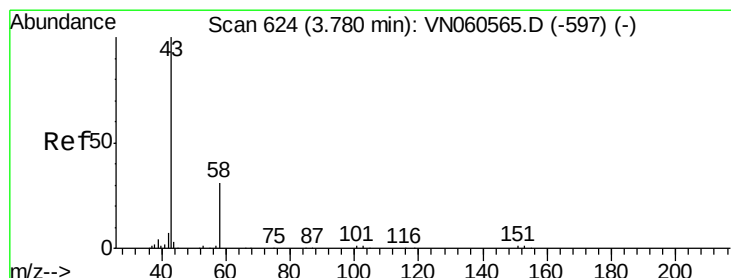
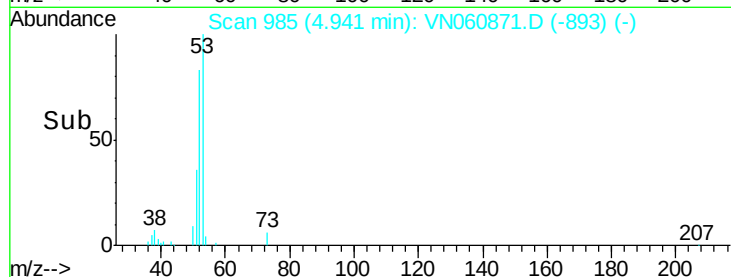
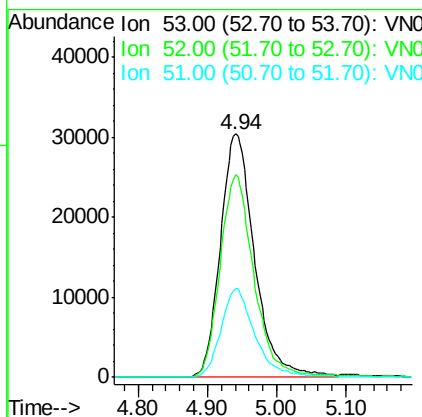
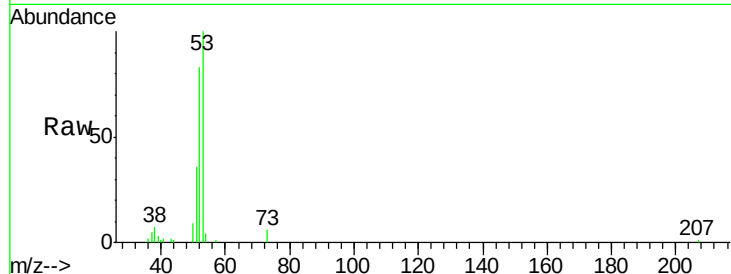
ClientSampleId :

VN0407WBS01

Tot Ion:	53	Resp:	104360
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.4
51	36.1	28.7	43.1

Manual Integrations
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4/8/2020 9:39:13 AM



#16

Acetone

Concen: 93.762 ug/l

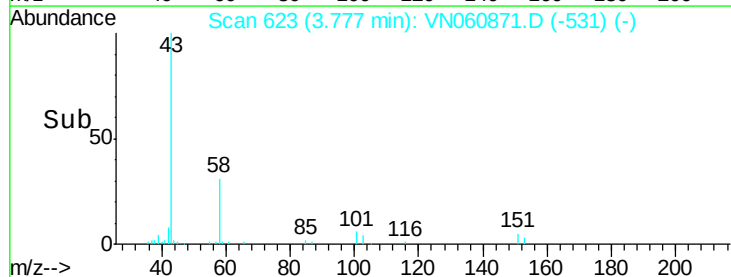
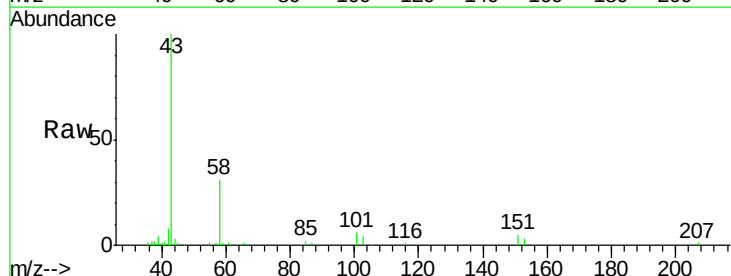
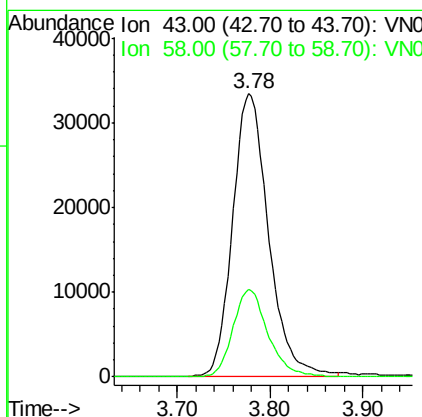
RT: 3.78 min Scan# 623

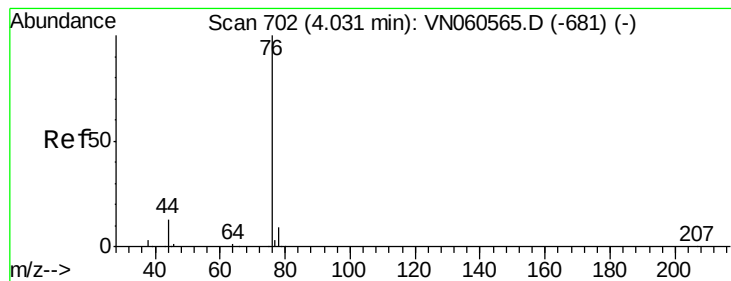
Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion:	43	Resp:	90108
Ion Ratio	Lower	Upper	
43	100		
58	30.7	25.1	37.7





#17

Carbon Disulfide

Concen: 16.360 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion: 76 Resp: 106466

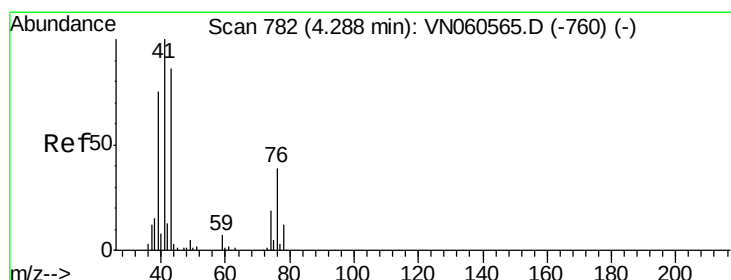
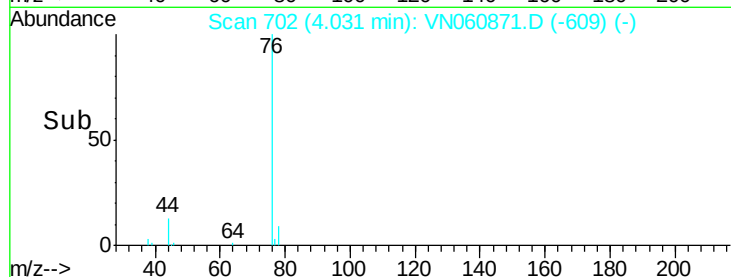
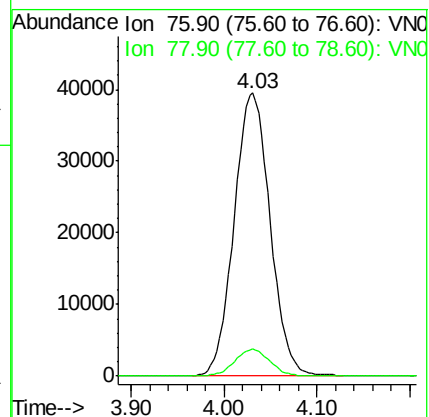
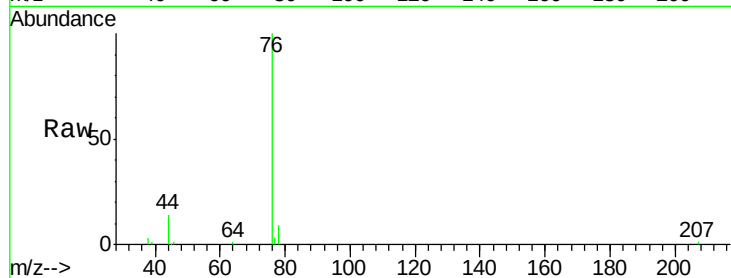
Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

Manual Integrations
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#18

Methyl Acetate

Concen: 18.619 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060871.D

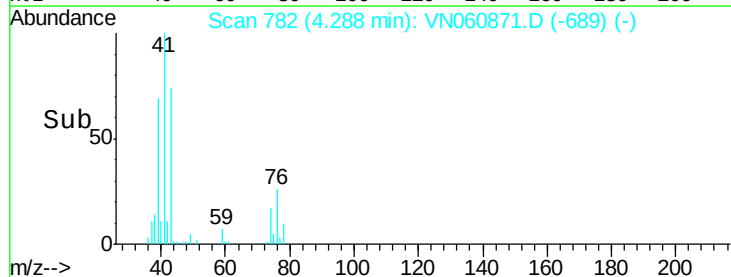
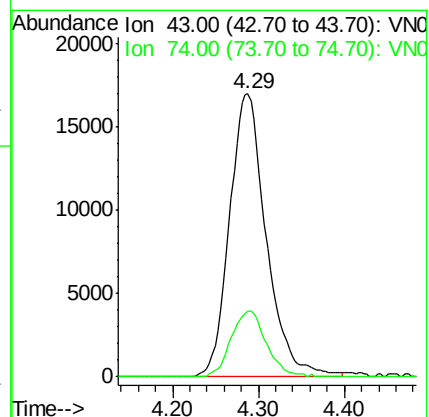
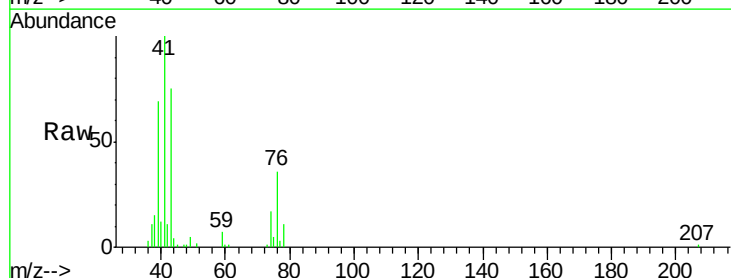
Acq: 7 Apr 2020 12:40

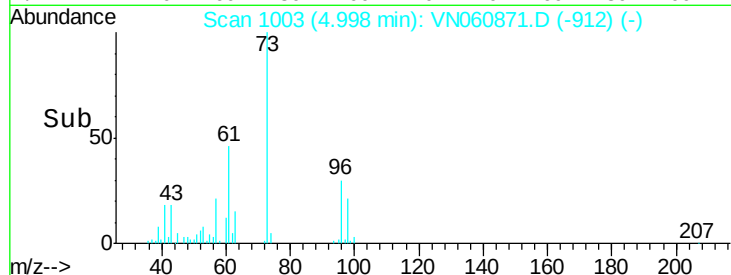
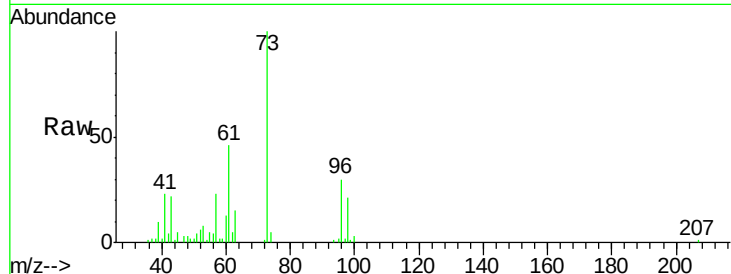
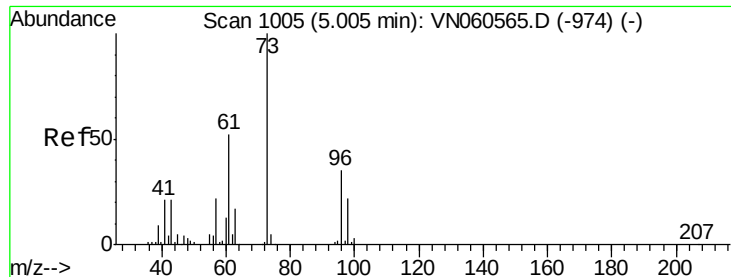
Tgt Ion: 43 Resp: 50366

Ion Ratio Lower Upper

43 100

74 22.3 17.5 26.3





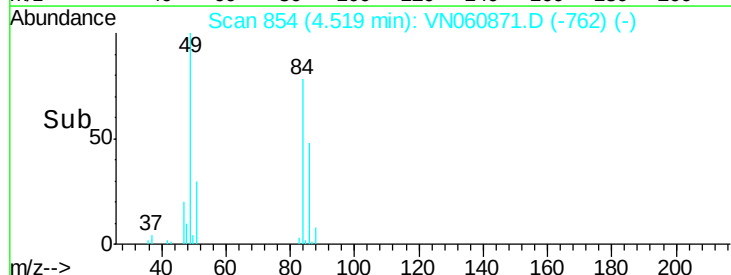
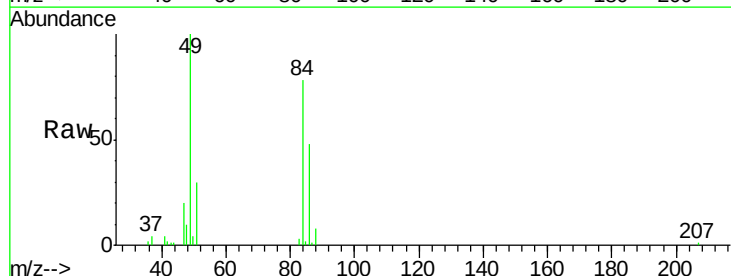
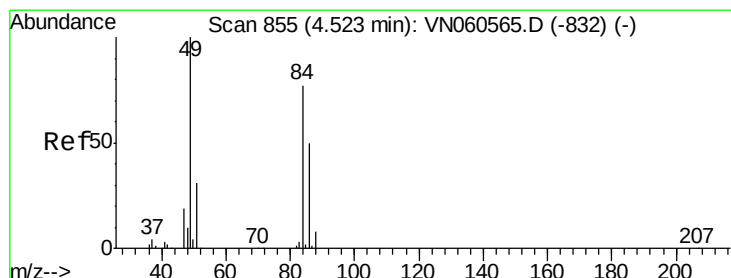
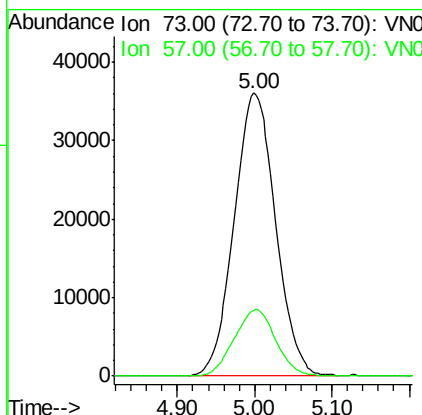
#19
Methyl tert-butyl Ether
Concen: 18.259 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tot Ion	73	Resp	134327
Ion Ratio	100	Lower	Upper
57	23.4	17.5	26.3

Instrument :
MSVOA_N
ClientSampled :
VN0407WBS01

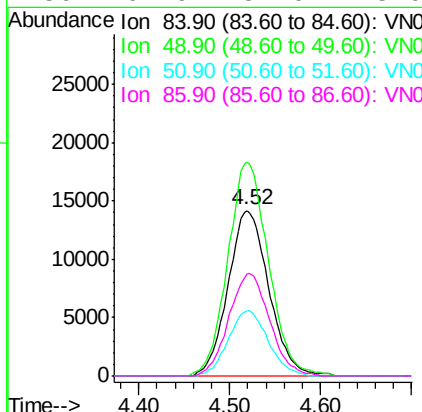
Manual Integrations
APPROVED

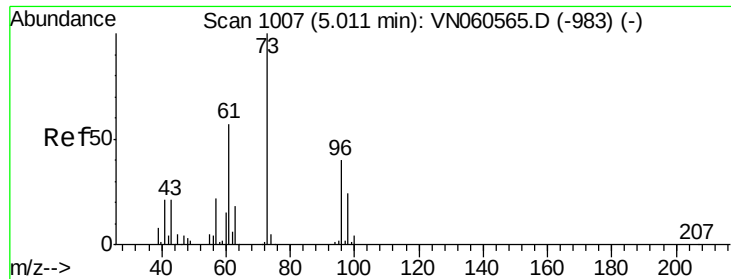
MMDadoda
4/8/2020 9:39:13 AM



#20
Methylene Chloride
Concen: 18.665 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	84	Resp	44126
Ion Ratio	100	Lower	Upper
49	128.9	103.3	154.9
51	39.3	31.6	47.4
86	61.9	52.0	78.0





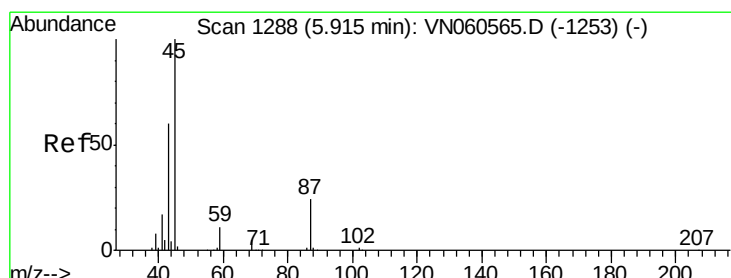
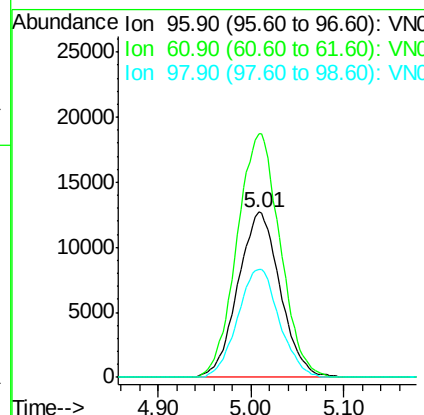
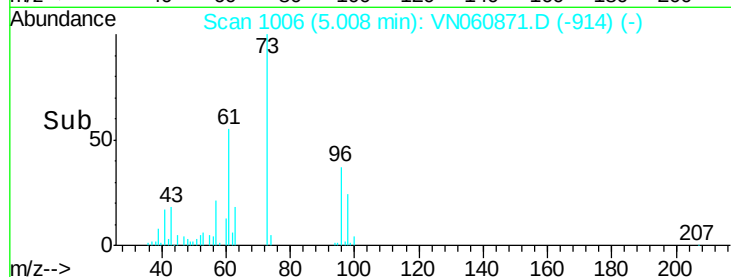
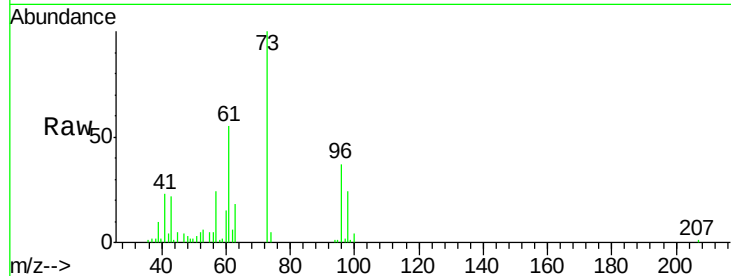
#21
trans-1,2-Dichloroethene
Concen: 17.634 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.9	114.4	171.6
98	65.3	48.4	72.6

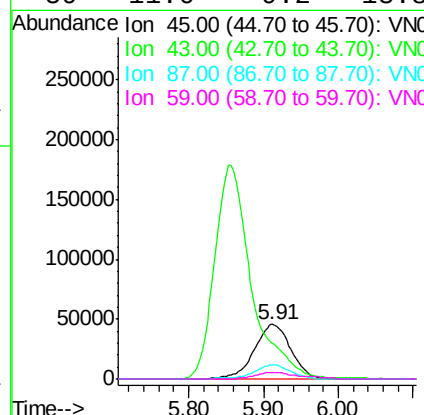
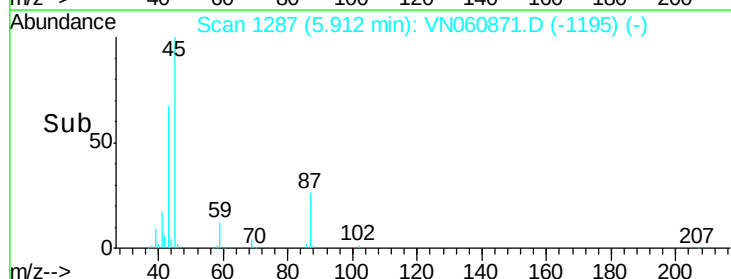
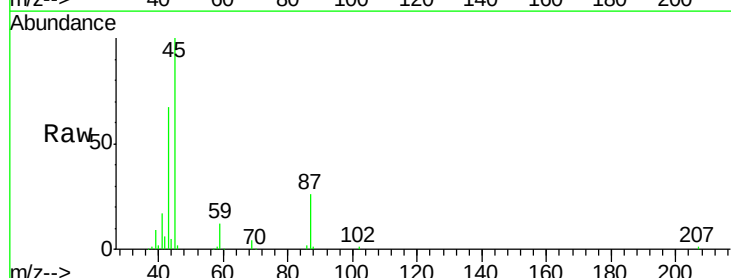
Manual Integrations
APPROVED

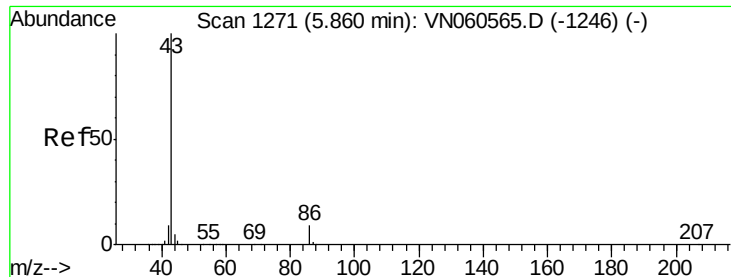
MMDadoda
4/8/2020 9:39:13 AM



#22
Diisopropyl ether
Concen: 19.473 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	49.8	74.8
87	26.0	20.1	30.1
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 94.337 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0407WBS01

Tot Ion: 43 Resp: 611994

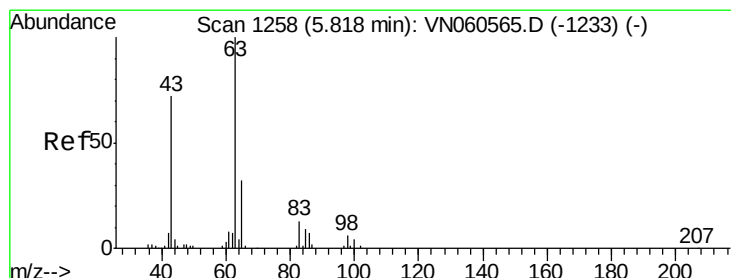
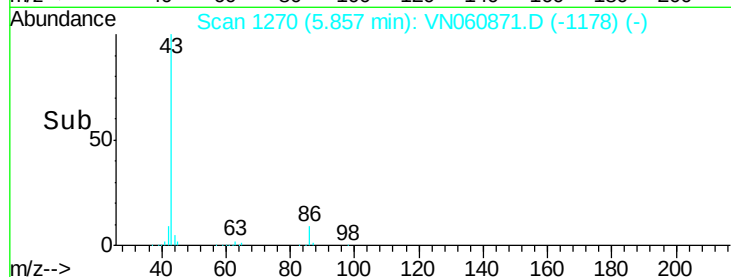
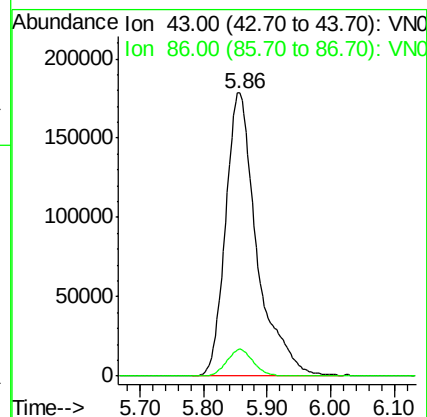
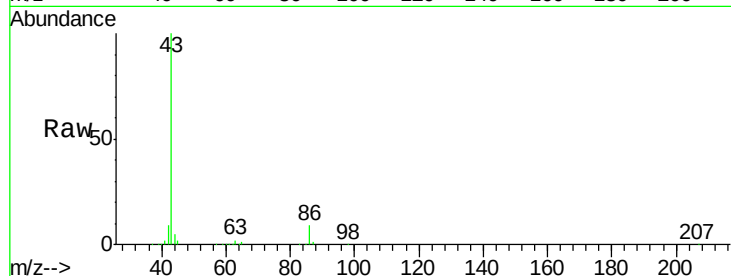
Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:13 AM



#24

1,1-Dichloroethane

Concen: 19.023 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

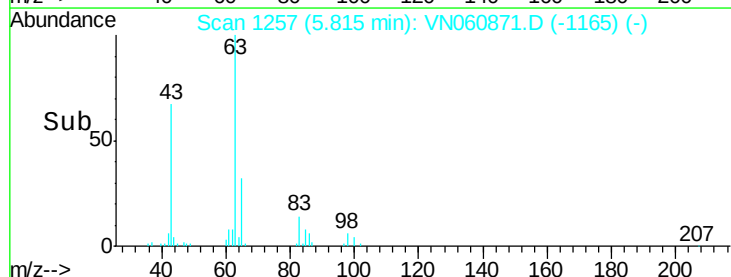
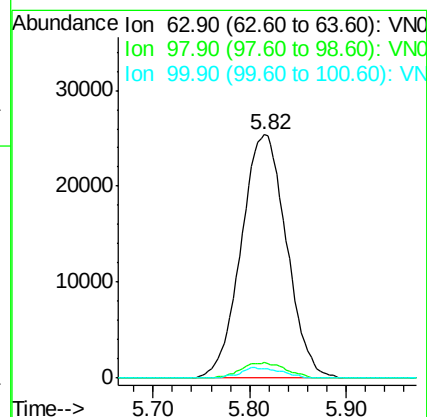
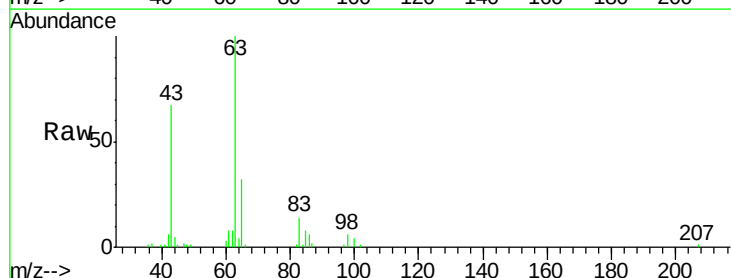
Tgt Ion: 63 Resp: 82453

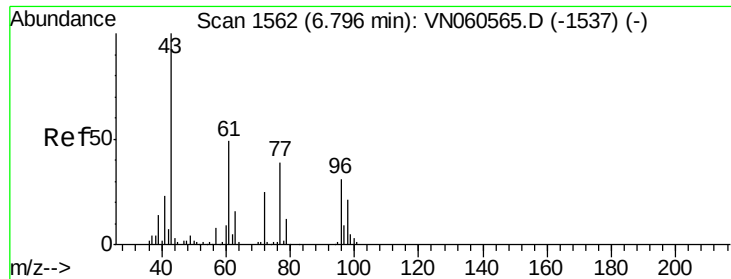
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 4.0 1.8 5.5





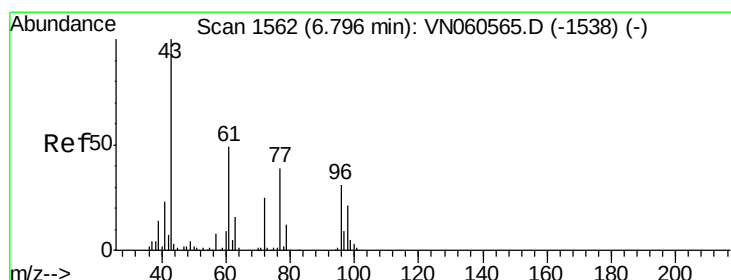
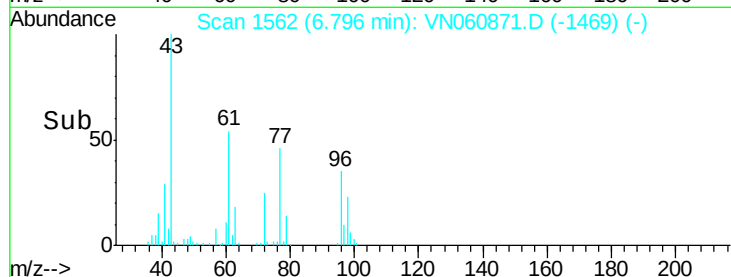
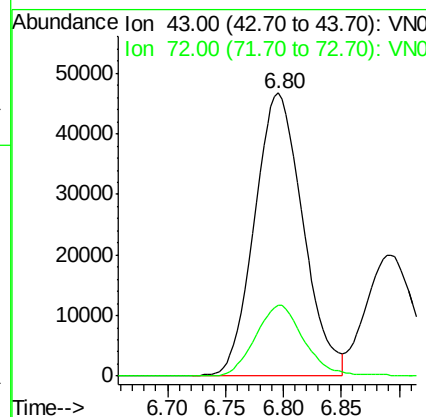
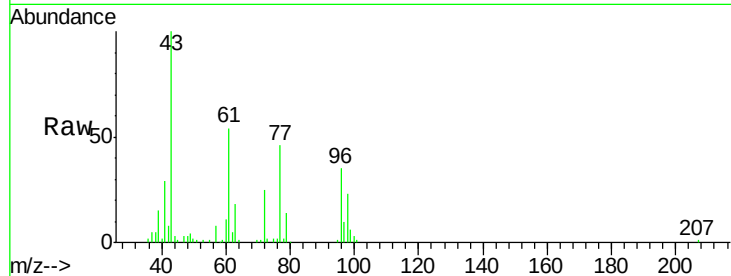
#25
2-Butanone
Concen: 87.349 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion: 43 Resp: 135838
Ion Ratio Lower Upper
43 100
72 25.1 20.4 30.6

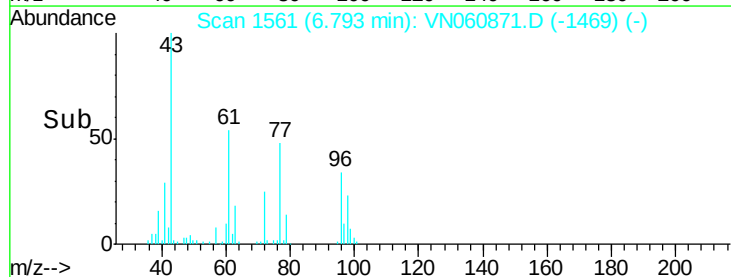
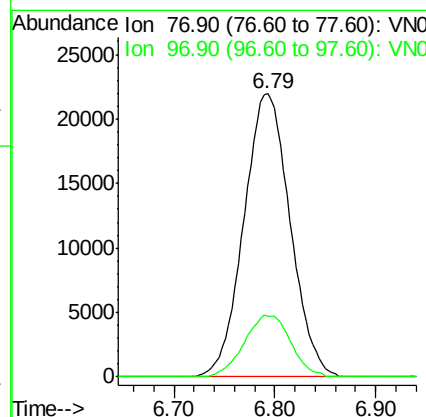
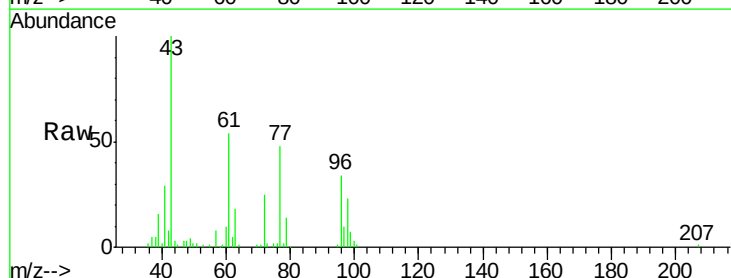
Manual Integrations
APPROVED

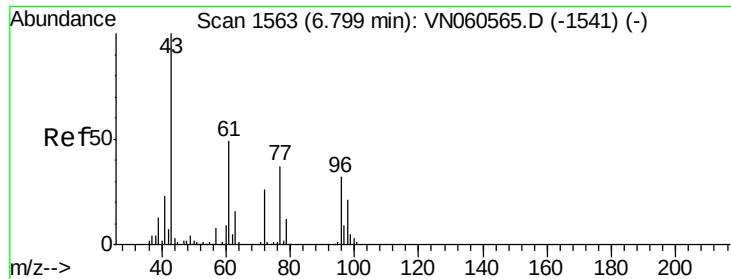
MMDadoda
4/8/2020 9:39:13 AM



#26
2,2-Dichloropropane
Concen: 20.506 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion: 77 Resp: 69932
Ion Ratio Lower Upper
77 100
97 21.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.496 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion: 96 Resp: 47933

Ion Ratio Lower Upper

96 100

61 154.6 0.0 305.6

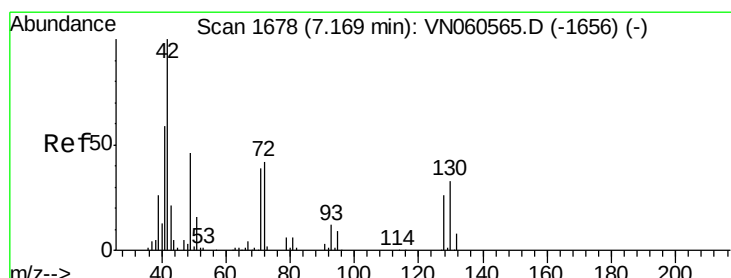
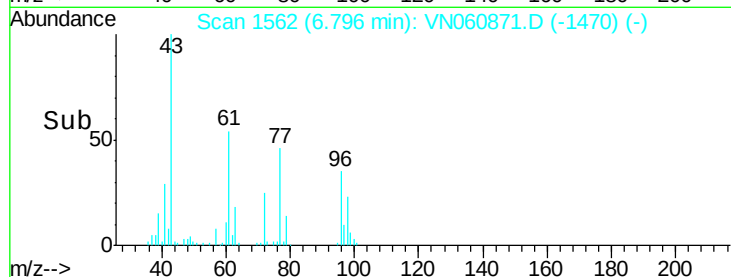
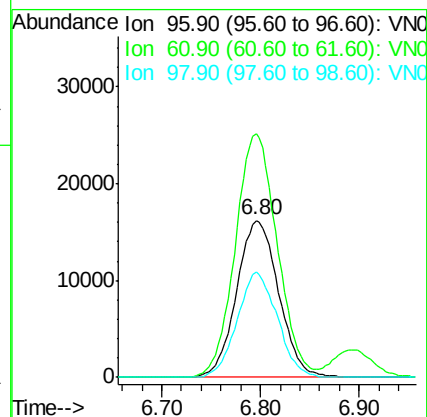
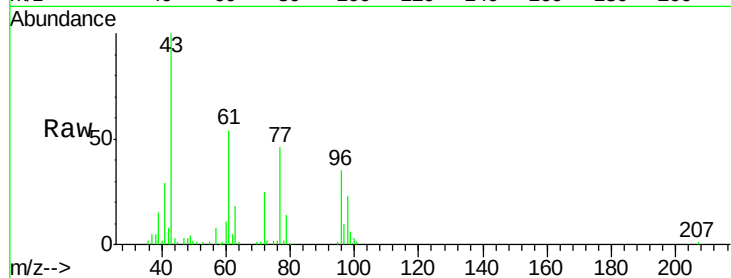
98 63.7 0.0 127.6

Manual Integrations

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MMDadoda

4/8/2020 9:39:13 AM



#28

Bromochloromethane

Concen: 18.379 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

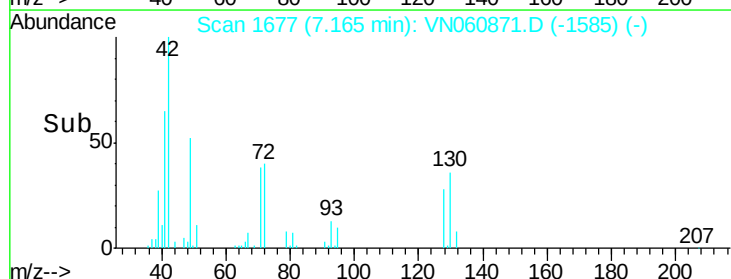
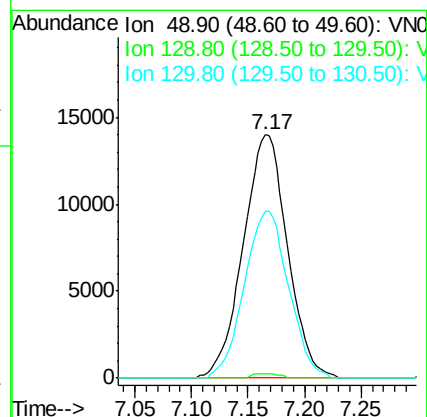
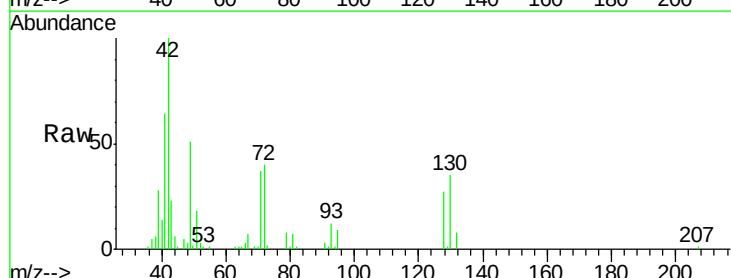
Tgt Ion: 49 Resp: 38114

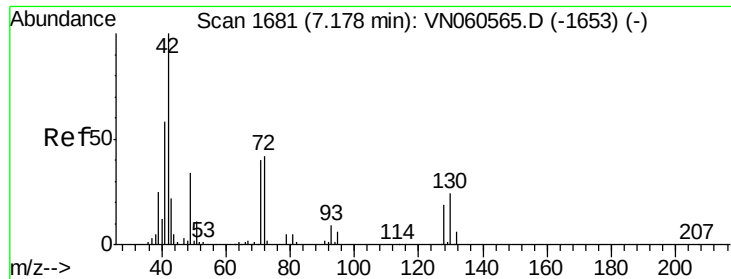
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.4

130 68.5 55.0 82.4





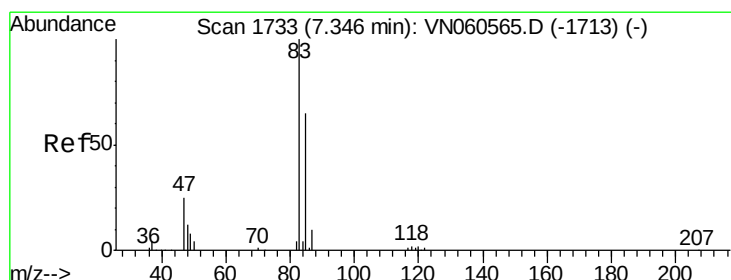
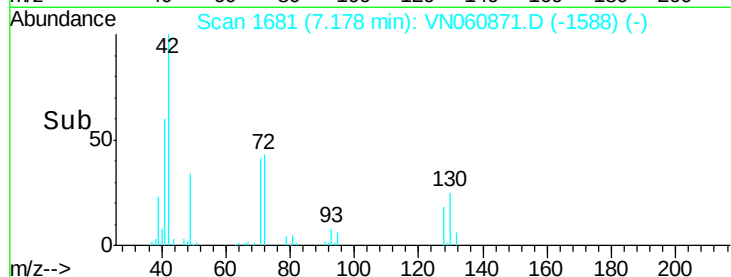
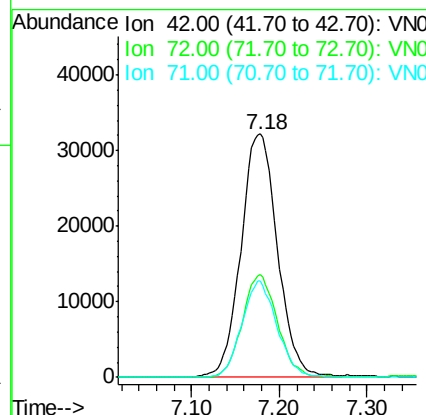
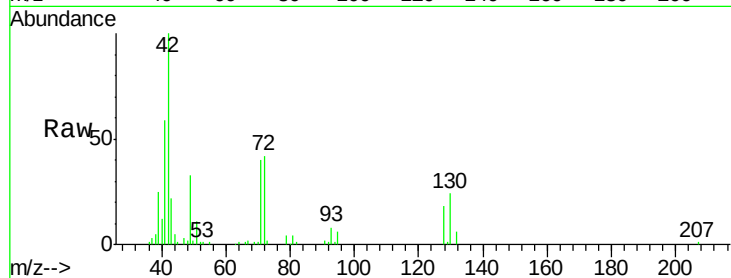
#29
Tetrahydrofuran
Concen: 84.944 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.2	49.8
71	37.8	31.1	46.7

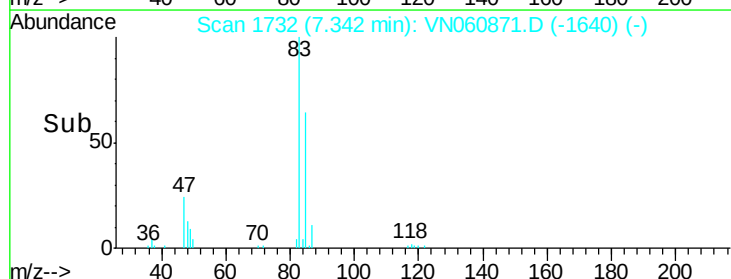
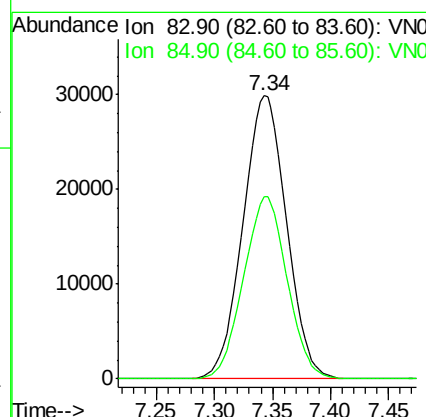
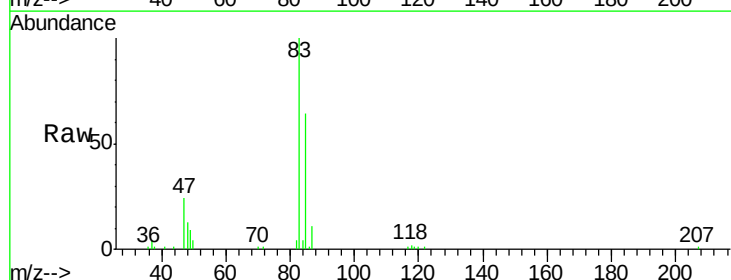
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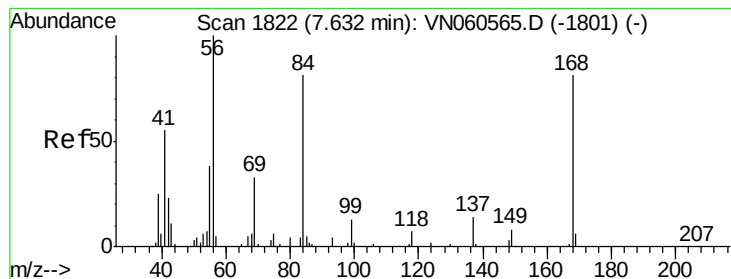
MMDadoda
4/8/2020 9:39:13 AM



#30
Chloroform
Concen: 18.833 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





#31

Cyclohexane

Concen: 17.901 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

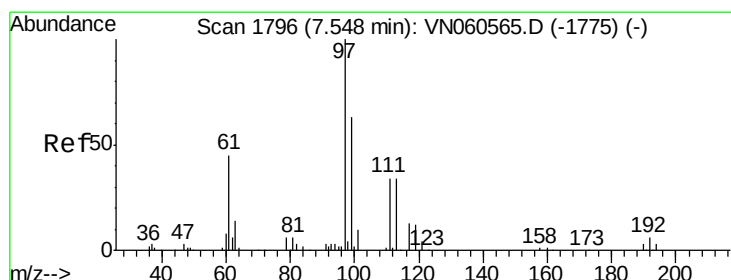
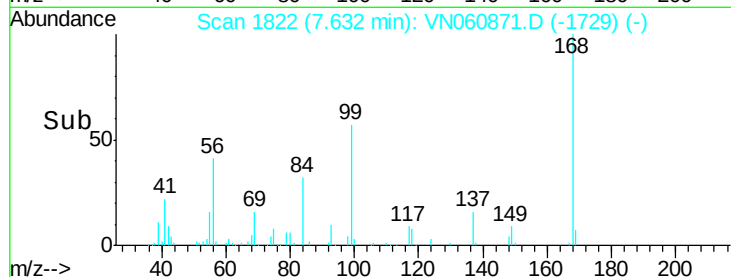
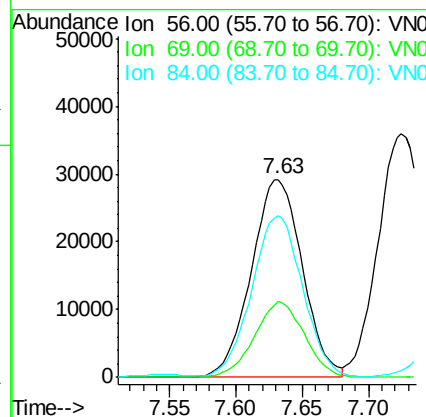
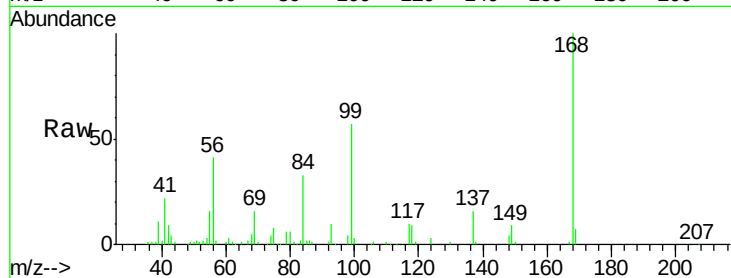
ClientSampleId :

VN0407WBS01

Tot Ion:	56	Resp:	78221
Ion Ratio	Lower	Upper	
56	100		
69	38.2	26.6	40.0
84	80.9	64.3	96.5

Manual Integrations
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4/8/2020 9:39:13 AM



#32

1,1,1-Trichloroethane

Concen: 18.633 ug/l

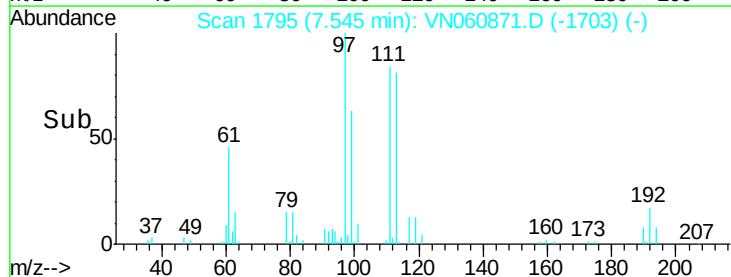
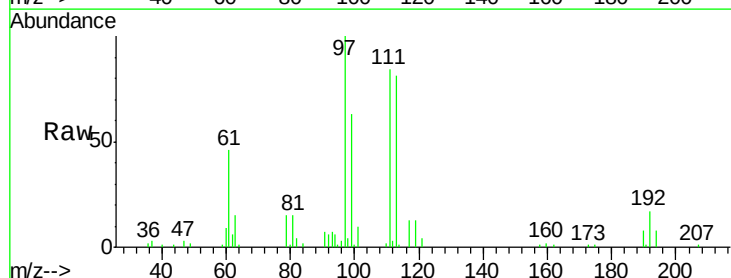
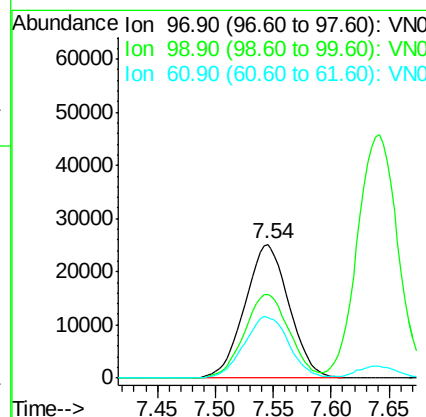
RT: 7.54 min Scan# 1795

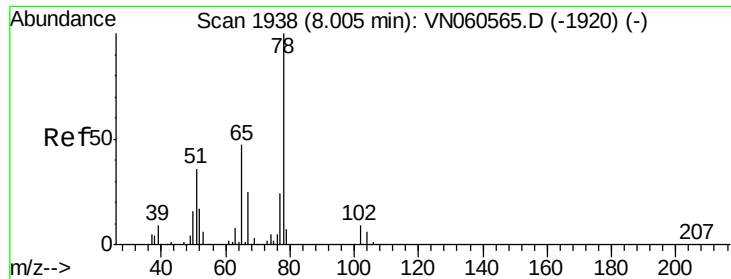
Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion:	97	Resp:	66745
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.6	75.8
61	46.8	36.2	54.4





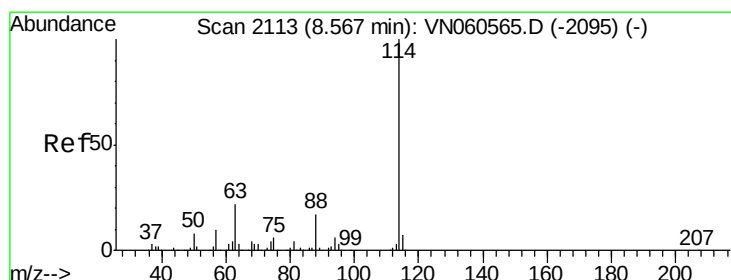
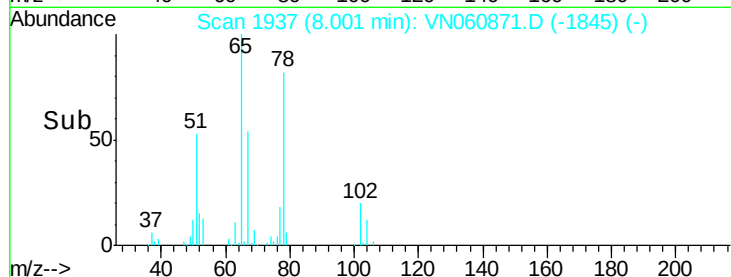
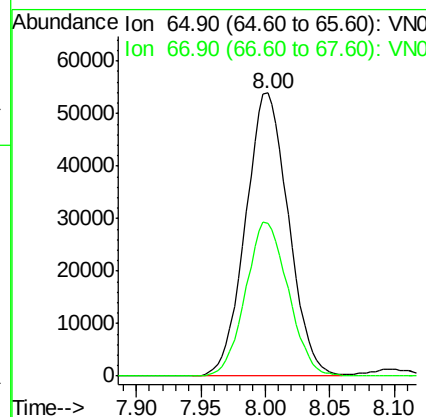
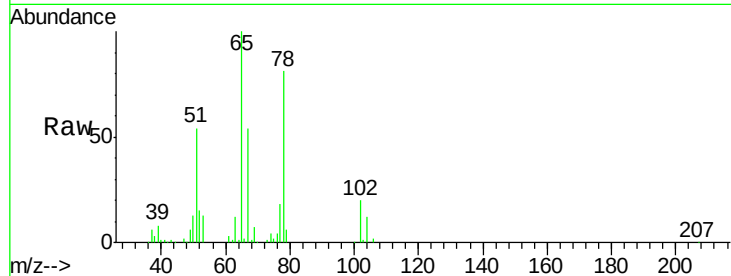
#33
 1,2-Dichloroethane-d4
 Concen: 46.195 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	107.6	

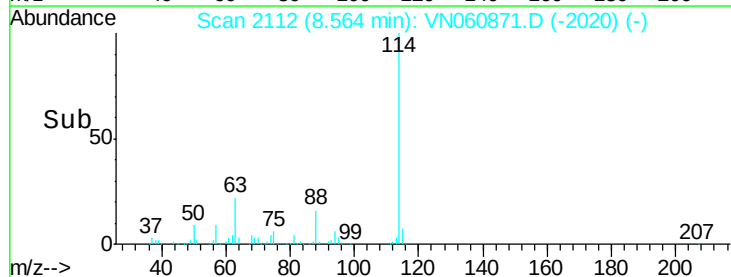
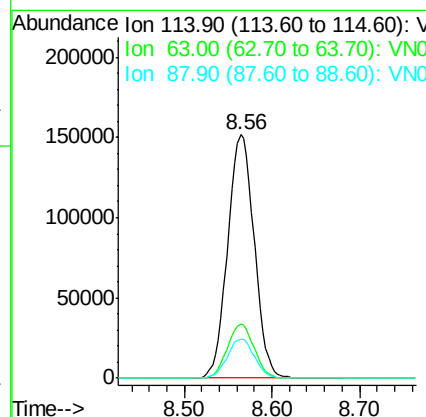
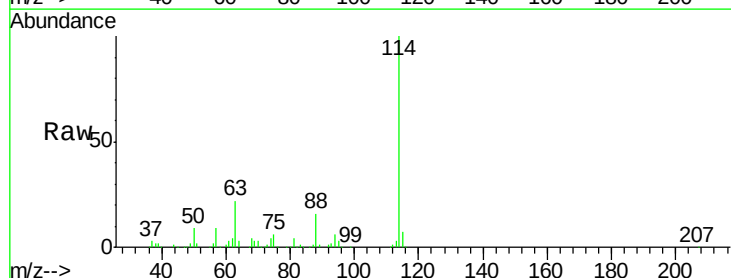
Manual Integrations
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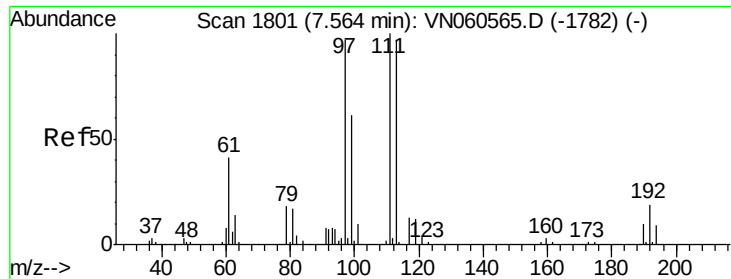
MMDadoda
 4/8/2020 9:39:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	43.8	
88	16.0	0.0	33.0	





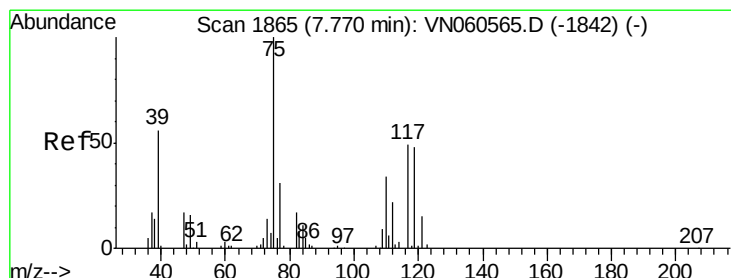
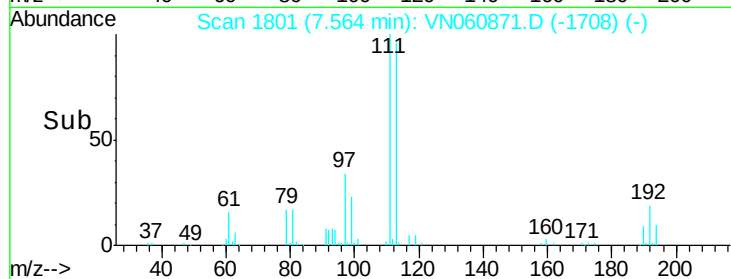
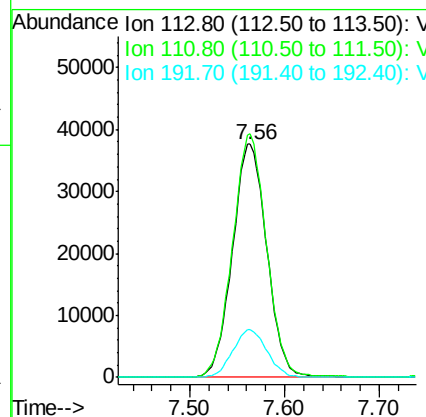
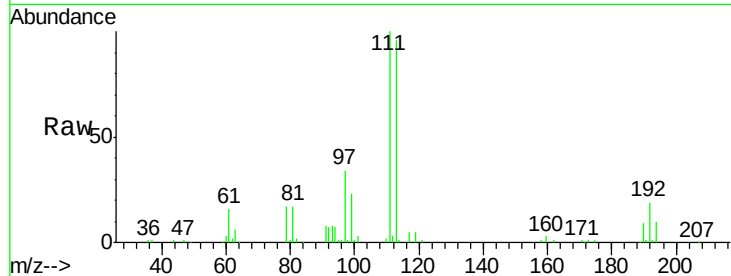
#35
 Dibromofluoromethane
 Concen: 49.188 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	20.2	15.8	23.8

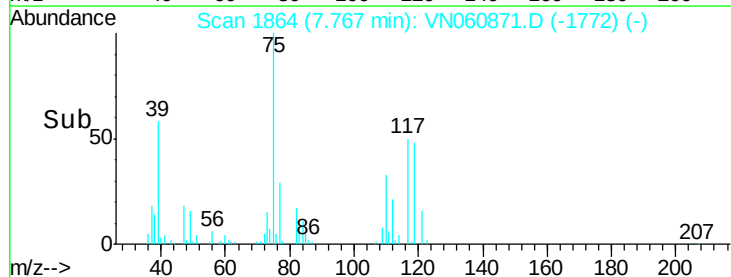
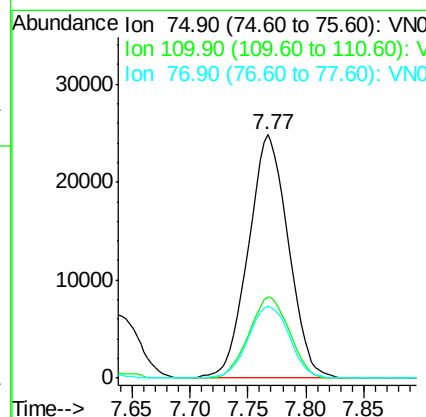
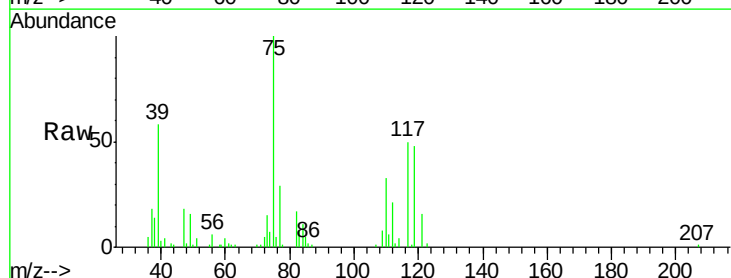
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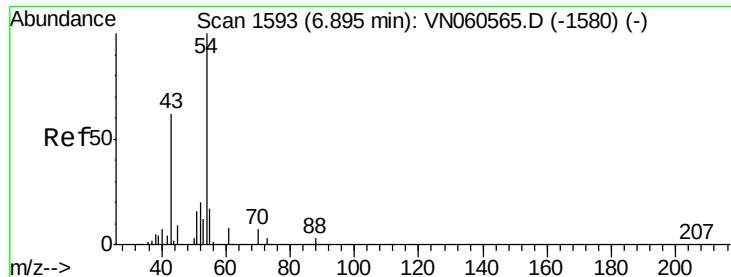
MMDadoda
 4/8/2020 9:39:13 AM



#36
 1,1-Dichloropropene
 Concen: 19.309 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	30.4	24.6	36.8





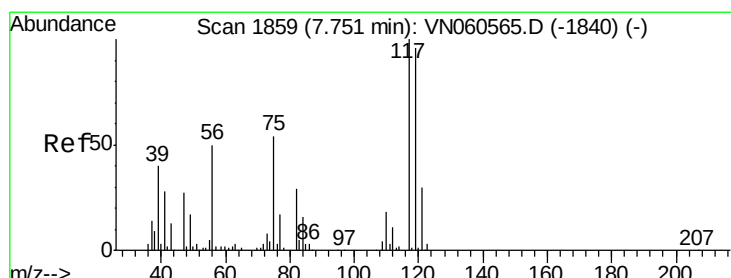
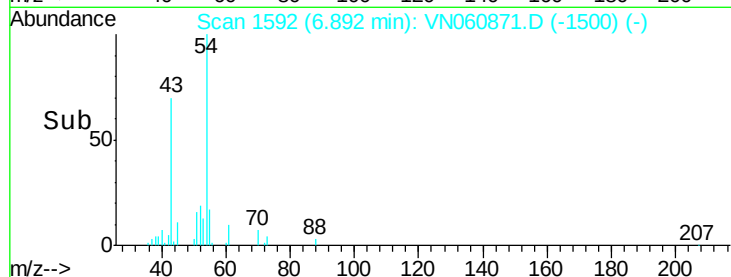
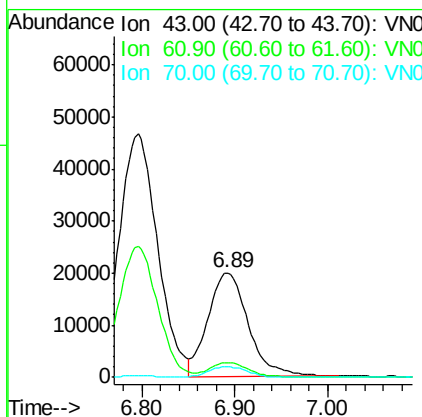
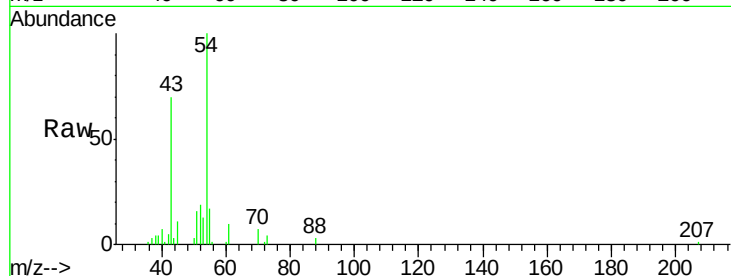
#37
Ethyl Acetate
Concen: 17.951 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	9.9	7.9	11.9

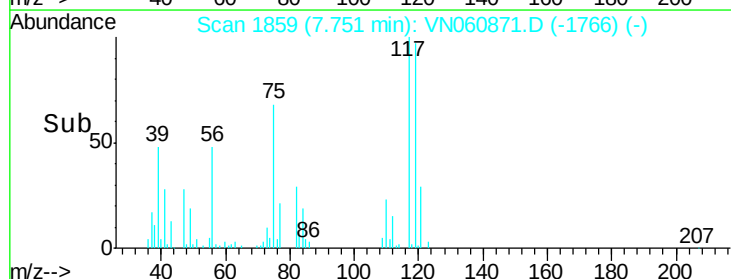
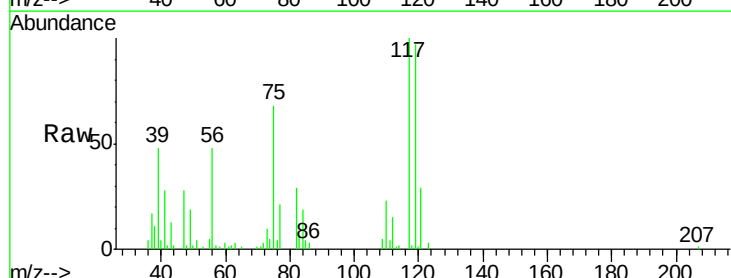
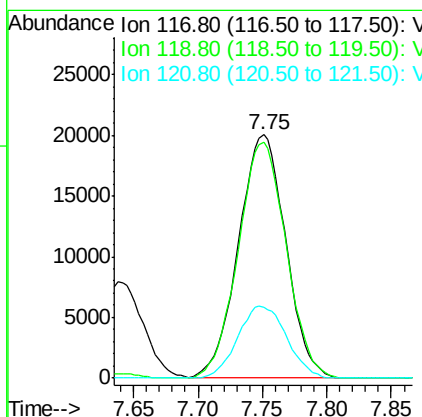
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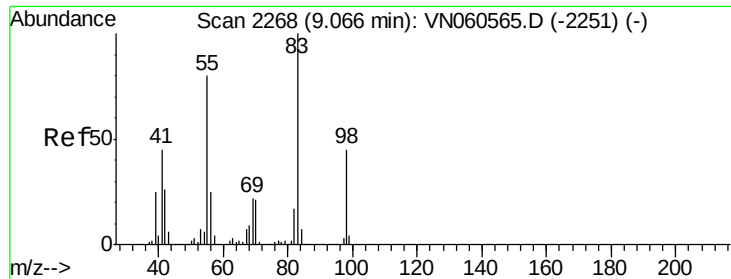
MMDadoda
4/8/2020 9:39:13 AM



#38
Carbon Tetrachloride
Concen: 18.475 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.2	114.2
121	29.0	23.7	35.5





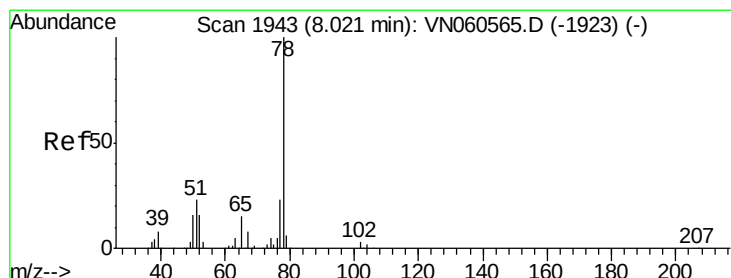
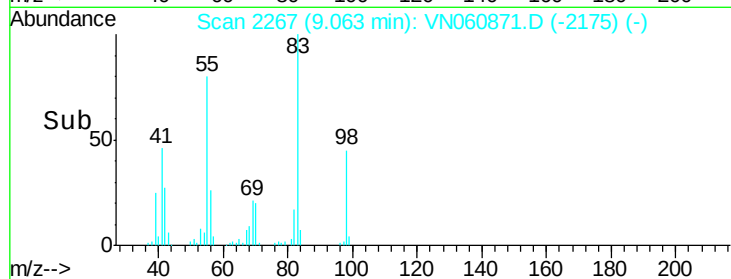
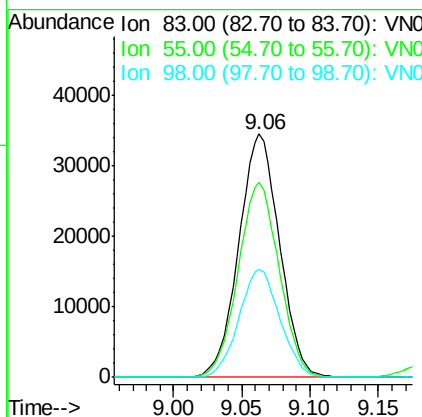
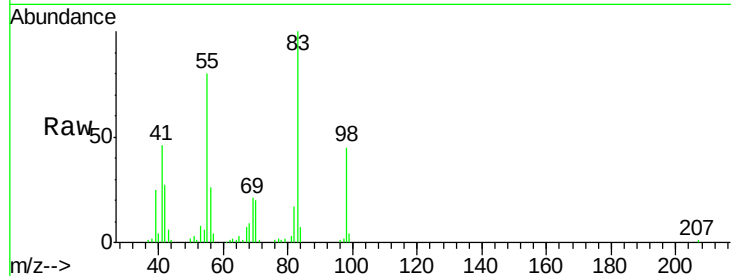
#39
Methylvlcyclohexane
Concen: 19.418 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.6	95.4
98	44.5	36.0	54.0

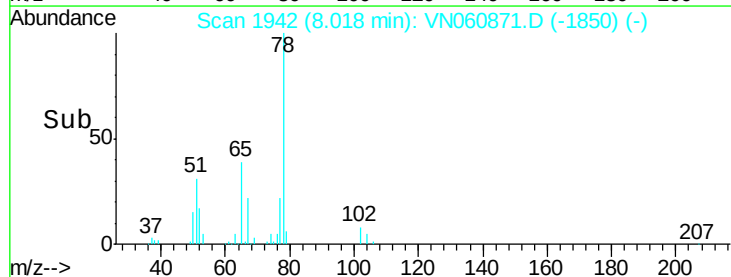
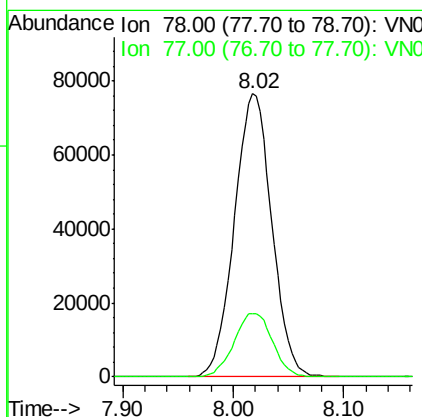
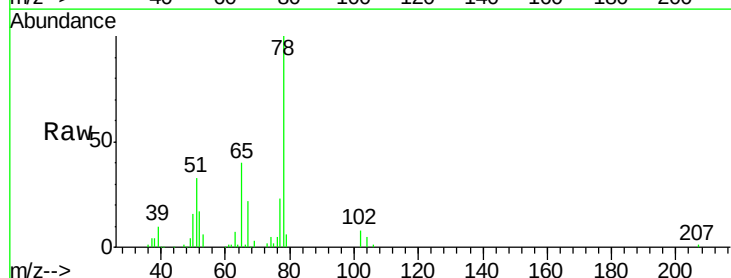
Manual Integrations
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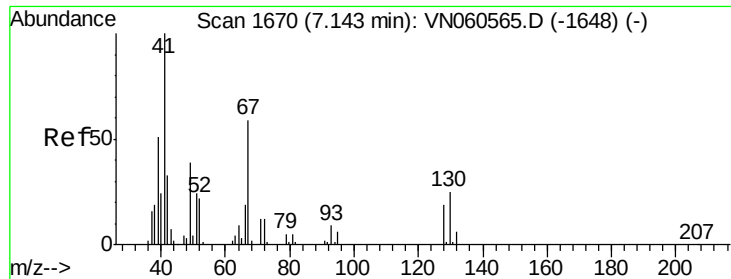
MMDadoda
4/8/2020 9:39:13 AM



#40
Benzene
Concen: 19.201 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	28.0





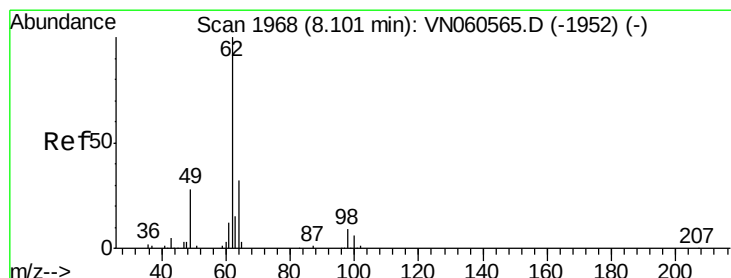
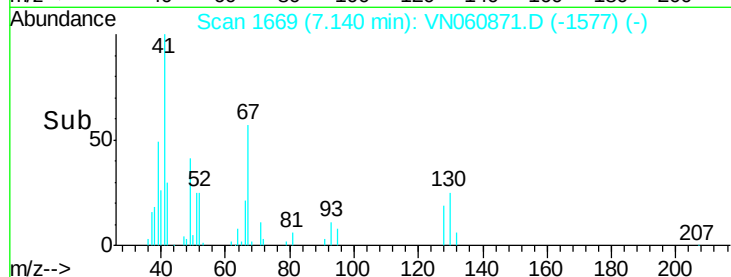
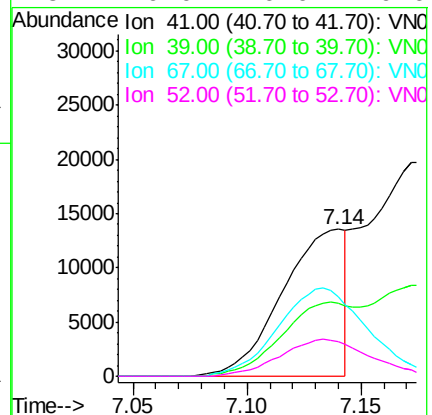
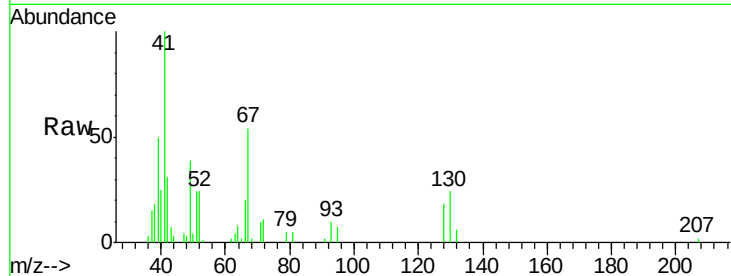
#41
Methacrylonitrile
Concen: 18.311 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

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

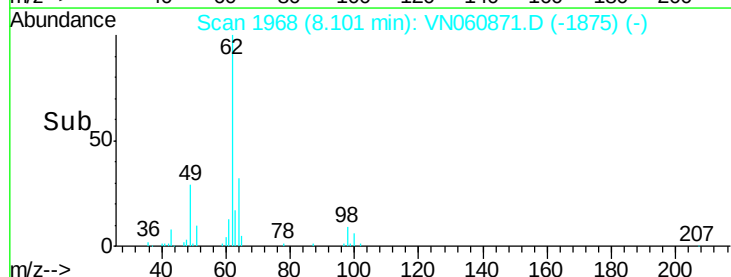
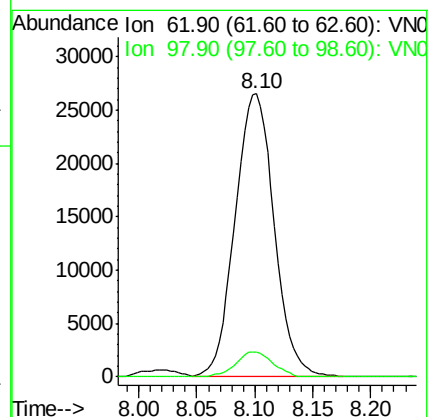
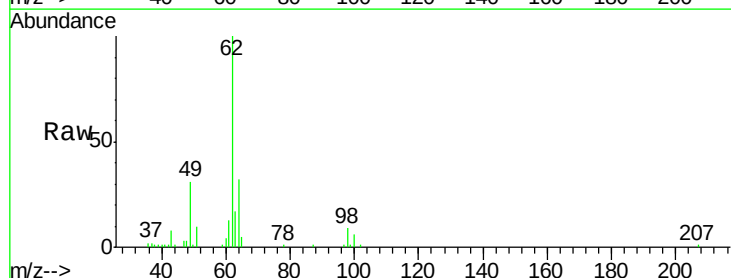
Manual Integrations
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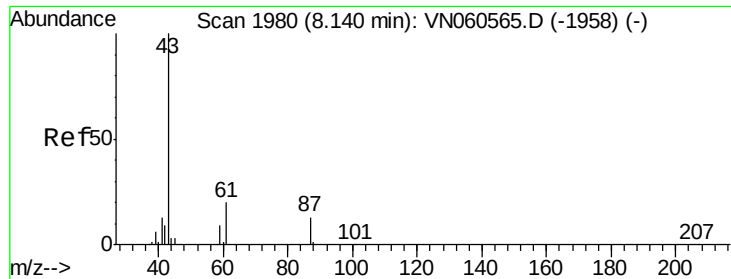
MMDadoda
4/8/2020 9:39:13 AM



#42
1,2-Dichloroethane
Concen: 19.464 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.8





#43

Isopropyl Acetate

Concen: 18.398 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

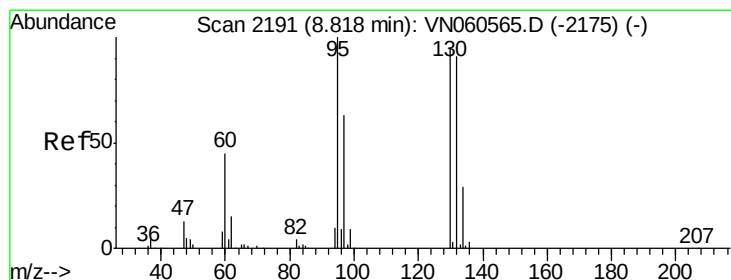
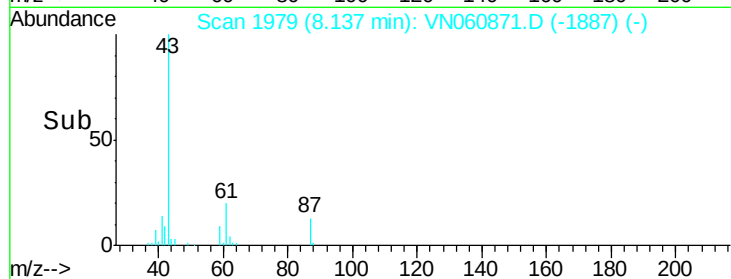
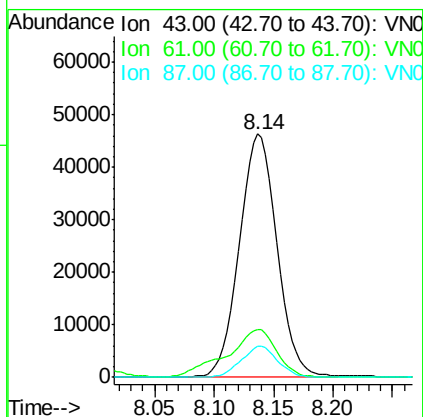
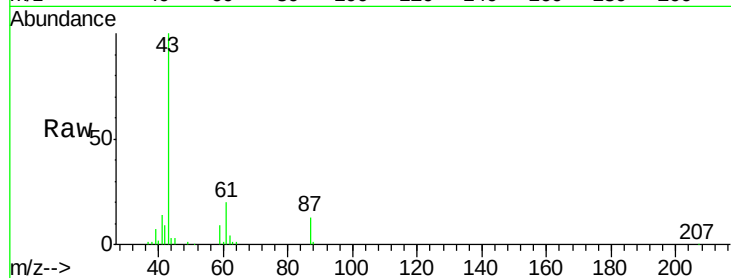
ClientSampleId :

VN0407WBS01

Tot Ion:	43	Resp:	101520
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.7	31.1
87	12.3	9.8	14.8

Manual Integrations
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MMDadoda
4/8/2020 9:39:13 AM



#44

Trichloroethene

Concen: 19.164 ug/l

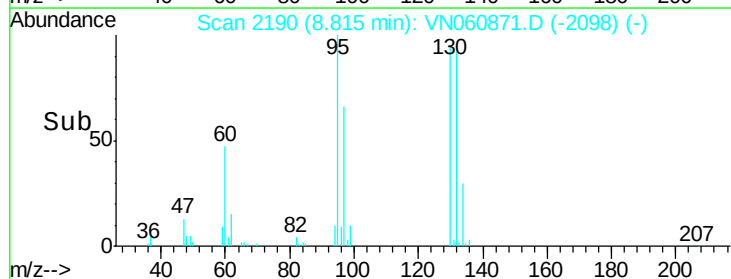
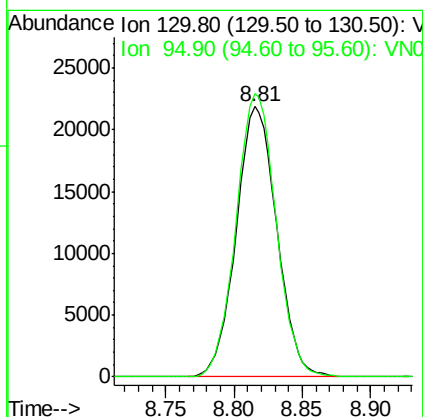
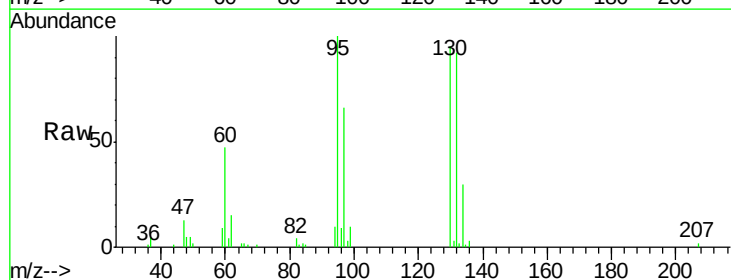
RT: 8.81 min Scan# 2190

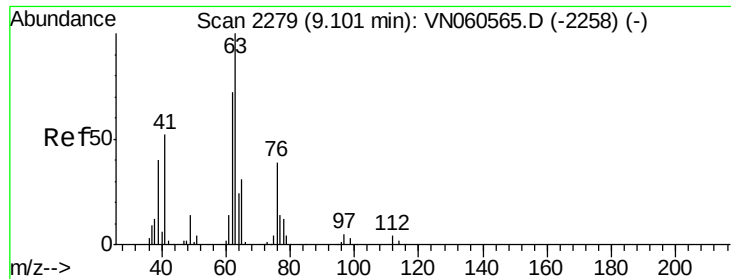
Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion:	130	Resp:	45159
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	211.2





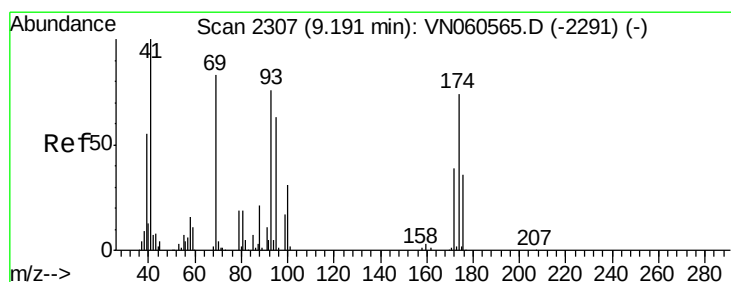
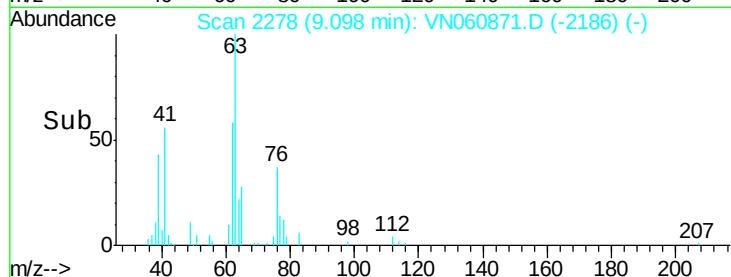
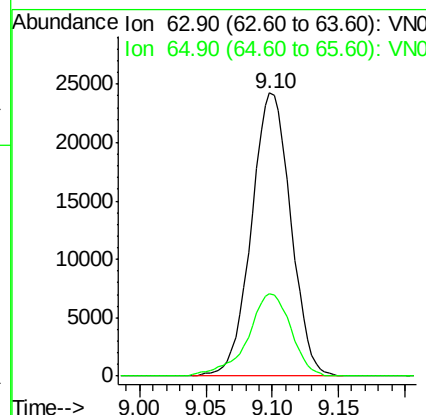
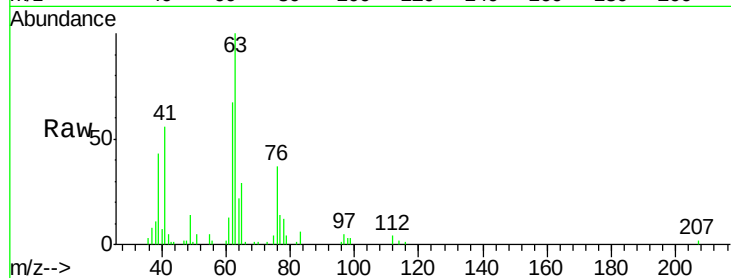
#45
 1,2-Dichloropropane
 Concen: 20.300 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Tot Ion: 63 Resp: 50072
 Ion Ratio Lower Upper
 63 100
 65 29.2 25.4 38.0

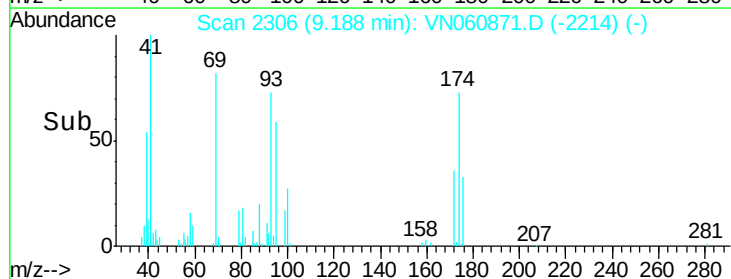
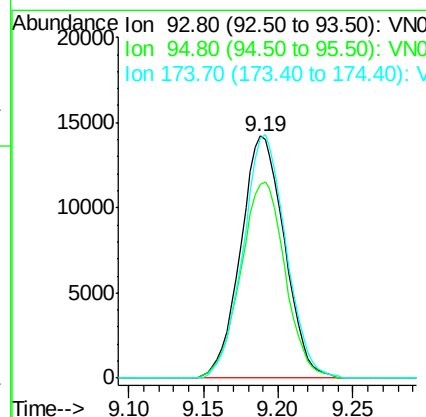
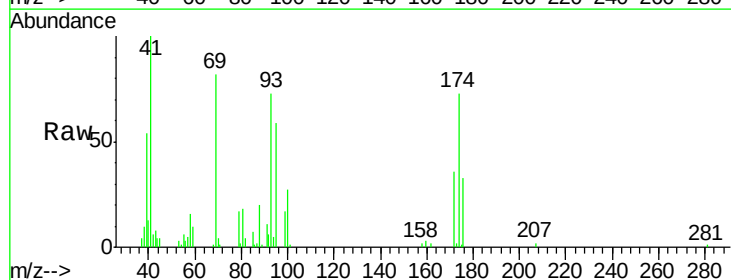
Manual Integrations
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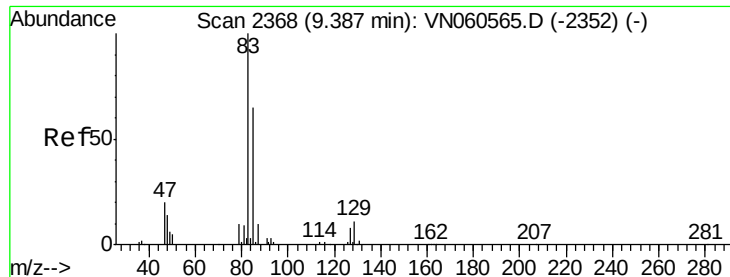
MMDadoda
 4/8/2020 9:39:13 AM



#46
 Dibromomethane
 Concen: 19.403 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion: 93 Resp: 28934
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.2 99.4
 174 98.6 77.9 116.9





#47

Bromodichloromethane

Concen: 19.391 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

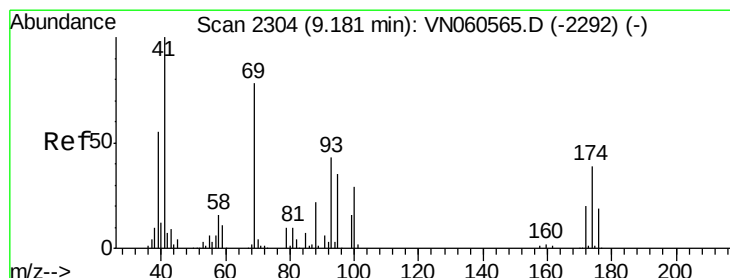
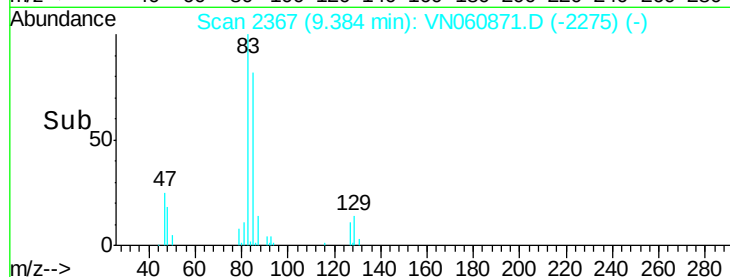
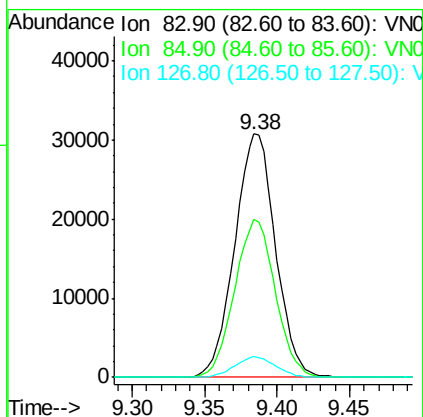
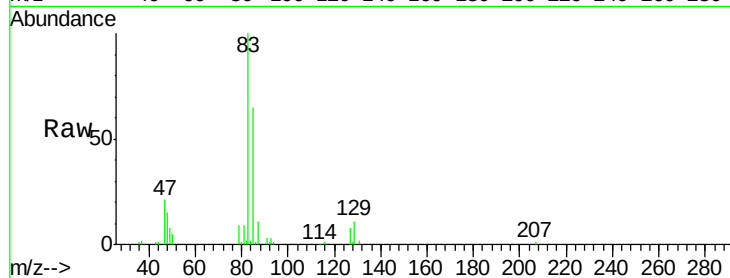
ClientSampleId :

VN0407WBS01

Tot Ion:	83	Resp:	60089
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.4	6.5	9.7

Manual Integrations
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MMDadoda
4/8/2020 9:39:13 AM



#48

Methyl methacrylate

Concen: 17.971 ug/l

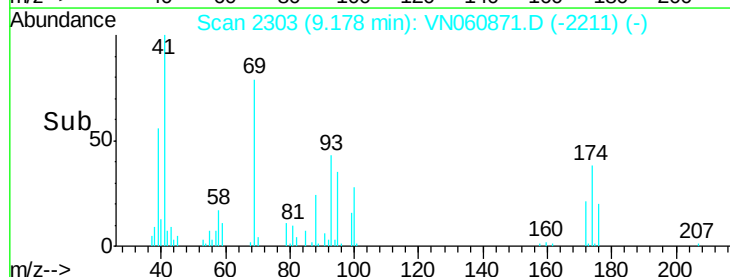
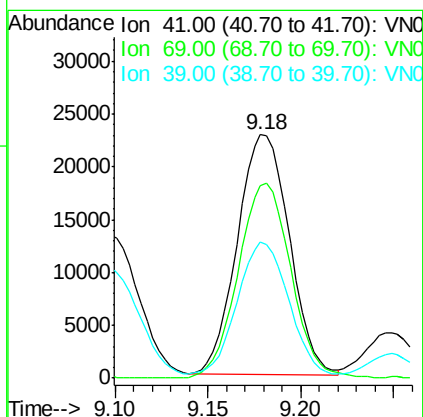
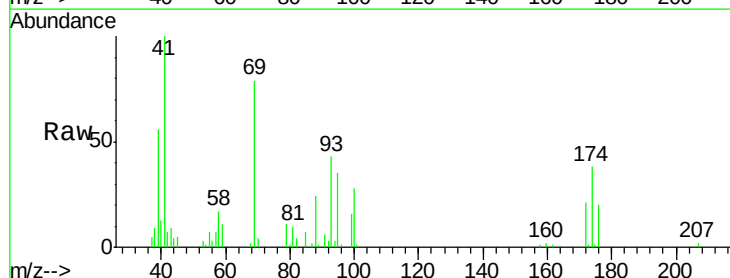
RT: 9.18 min Scan# 2303

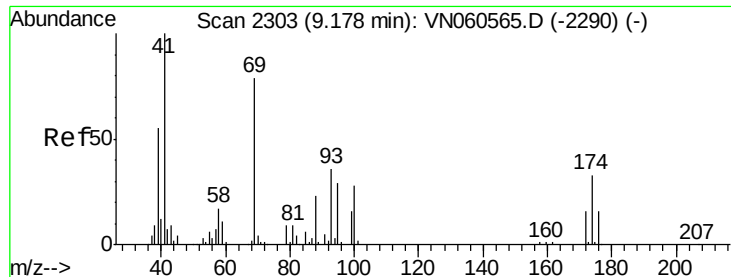
Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion:	41	Resp:	44151
Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.4	98.0
39	57.6	44.0	66.0





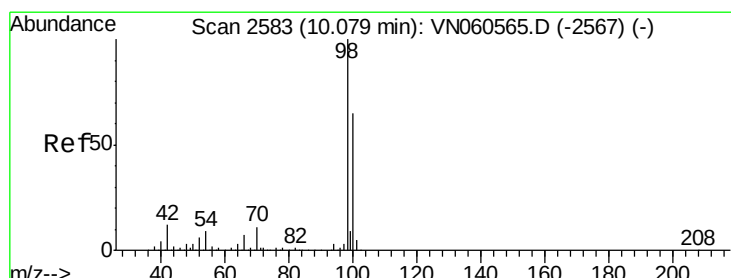
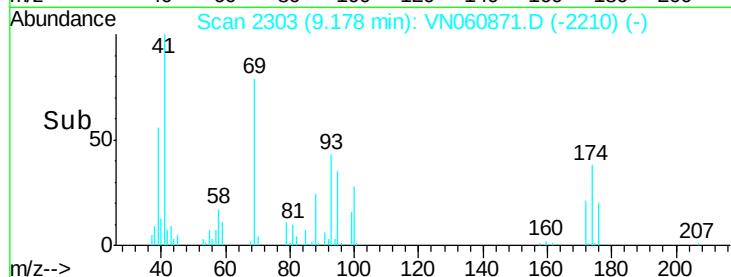
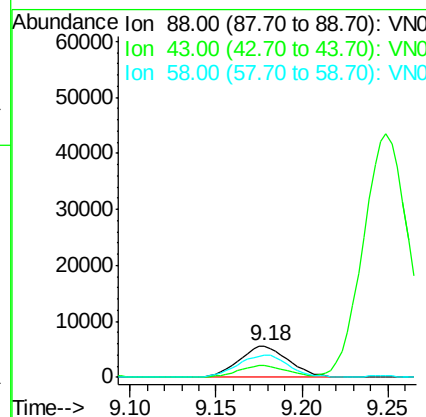
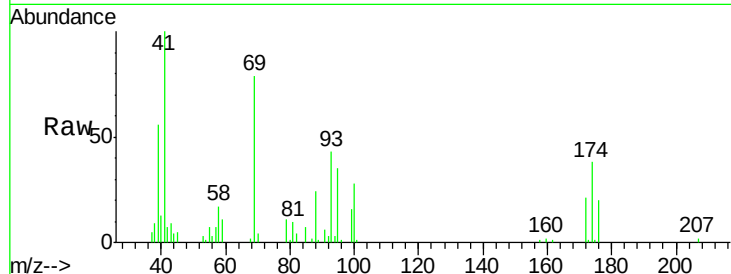
#49
 1,4-Dioxane
 Concen: 379.390 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Tot Ion	88	Resp	11079
Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.8	46.2
58	73.8	59.8	89.8

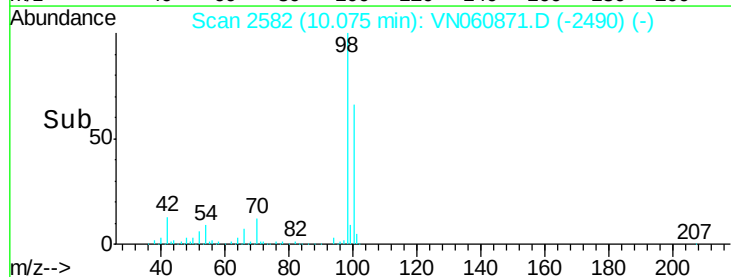
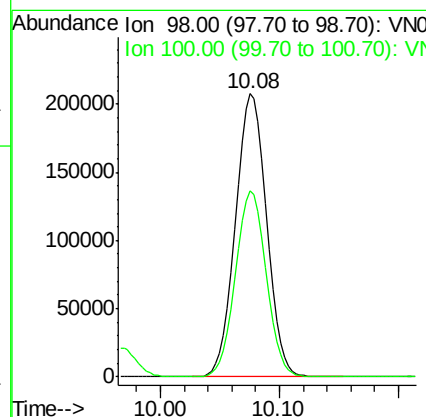
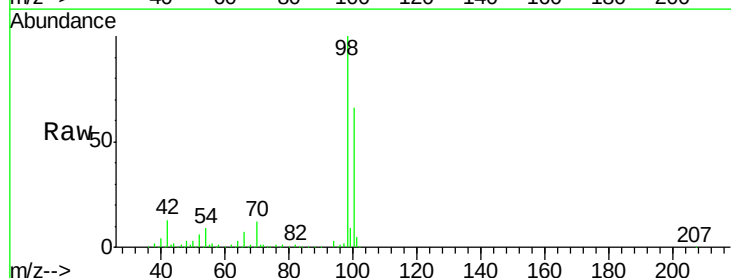
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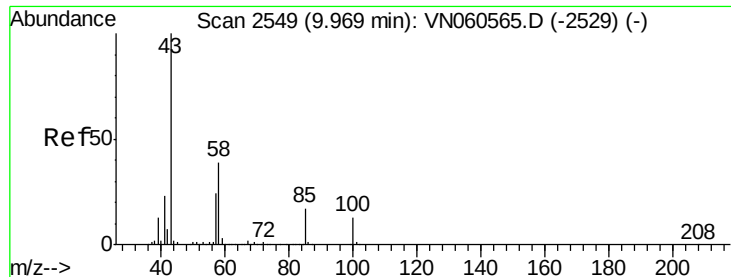
MMDadoda
 4/8/2020 9:39:13 AM



#50
 Toluene-d8
 Concen: 47.742 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	98	Resp	377088
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 91.870 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion: 43 Resp: 288475

Ion Ratio Lower Upper

43 100

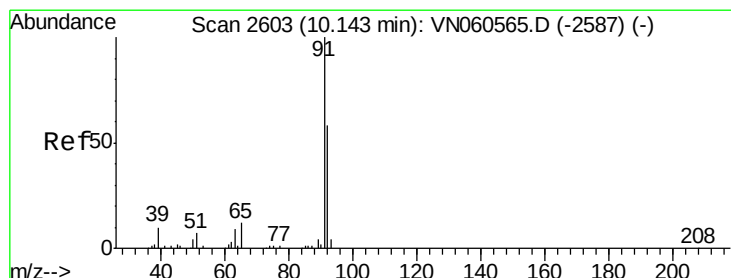
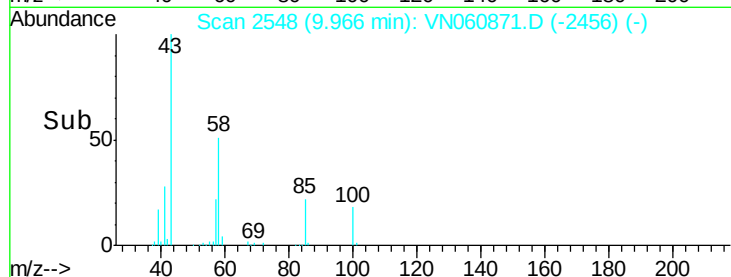
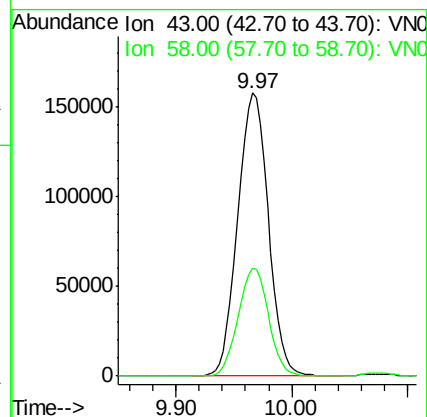
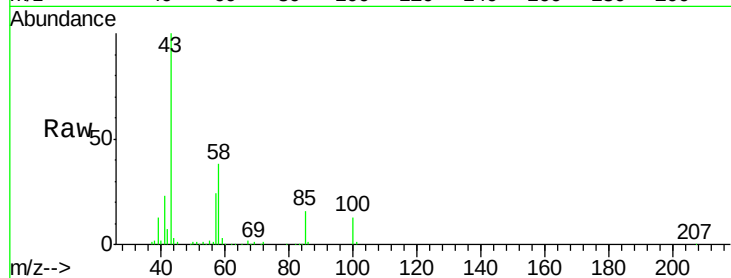
58 37.8 30.8 46.2

Manual Integrations

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4/8/2020 9:39:13 AM



#52

Toluene

Concen: 19.088 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060871.D

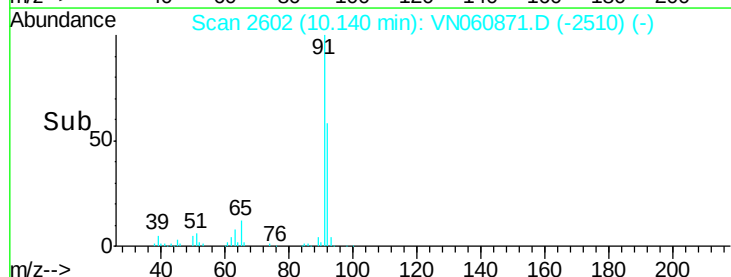
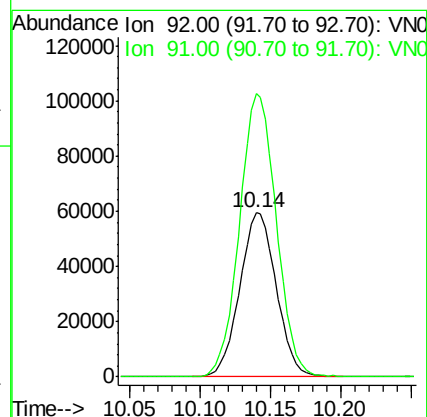
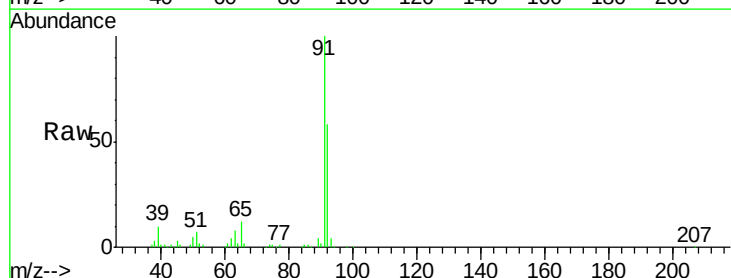
Acq: 7 Apr 2020 12:40

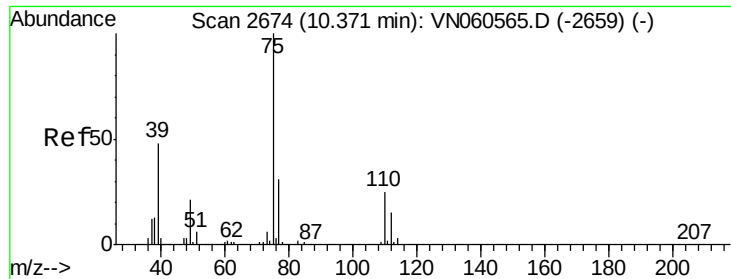
Tgt Ion: 92 Resp: 107761

Ion Ratio Lower Upper

92 100

91 174.0 137.6 206.4





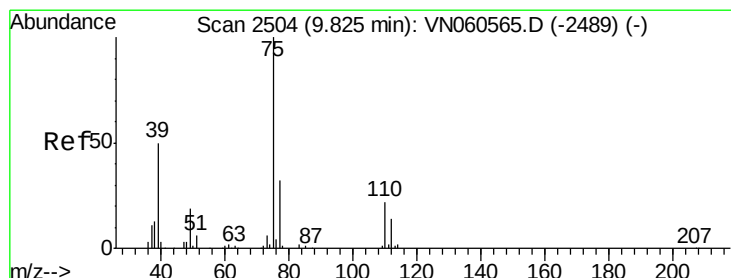
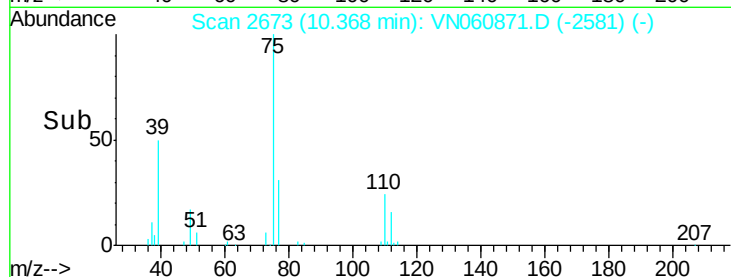
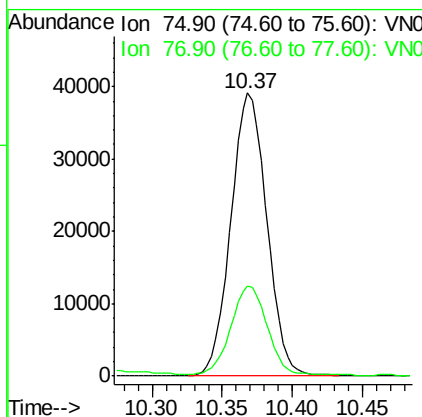
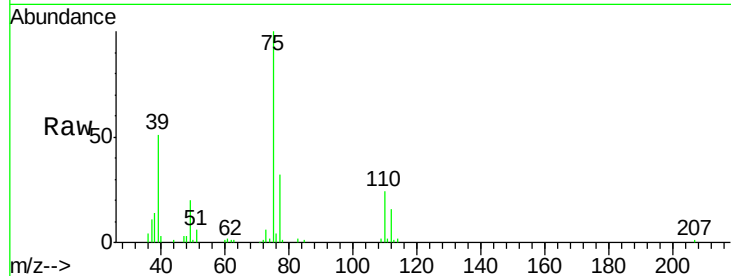
#53
t-1,3-Dichloropropene
Concen: 19.648 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion: 75 Resp: 69935
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

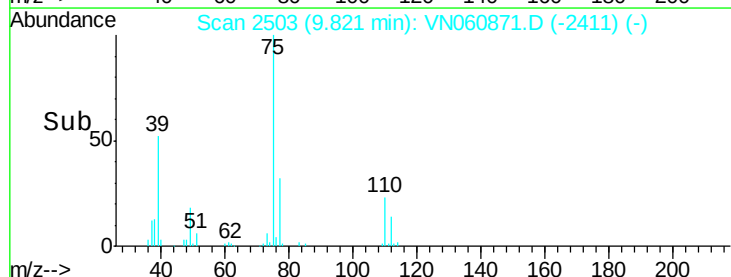
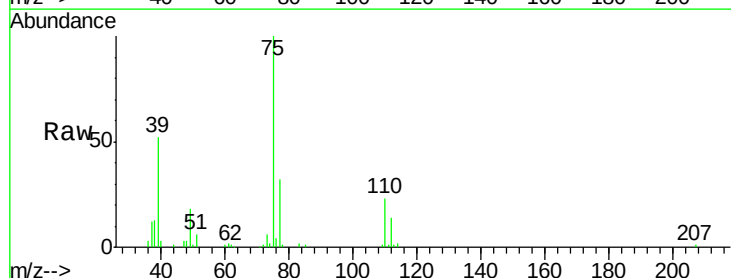
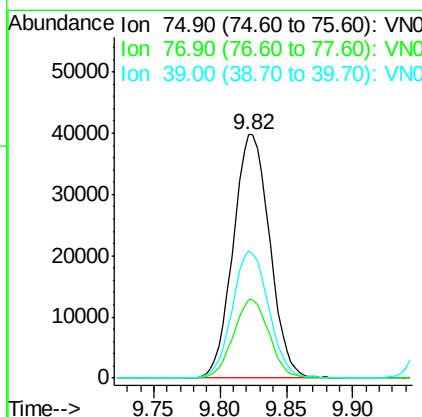
Manual Integrations
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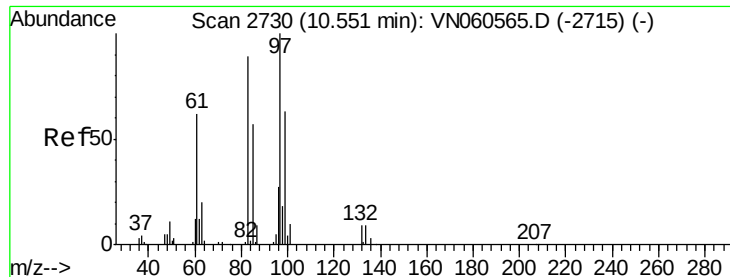
MMDadoda
4/8/2020 9:39:13 AM



#54
cis-1,3-Dichloropropene
Concen: 19.499 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion: 75 Resp: 76142
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0
39 52.3 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.268 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

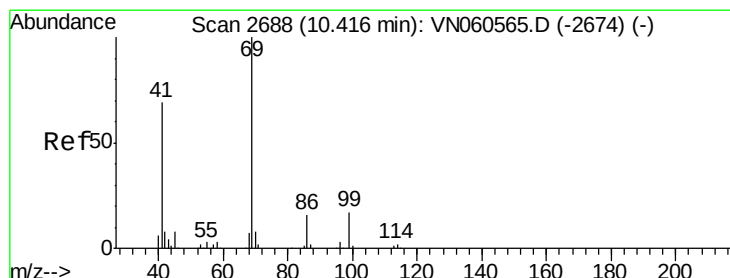
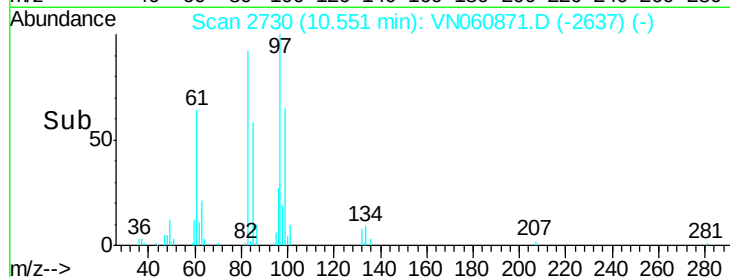
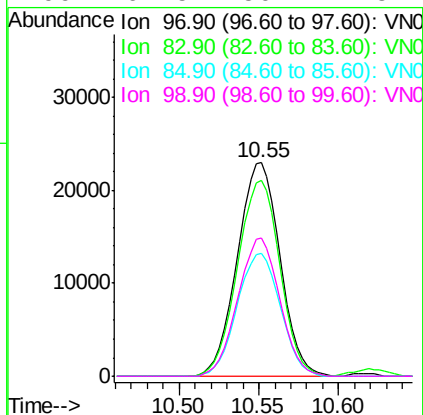
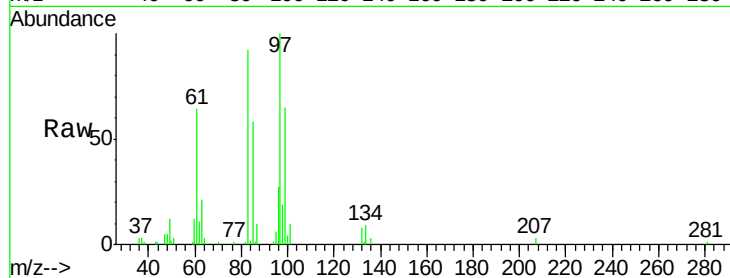
ClientSampleId :

VN0407WBS01

Tot Ion:	97	Resp:	41847
Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.3	106.9
85	57.8	45.2	67.8
99	64.5	50.1	75.1

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4/8/2020 9:39:13 AM



#56

Ethyl methacrylate

Concen: 18.444 ug/l

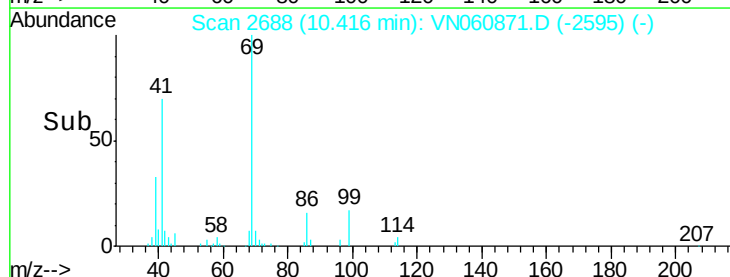
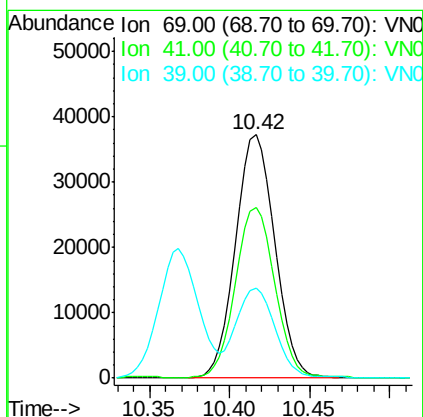
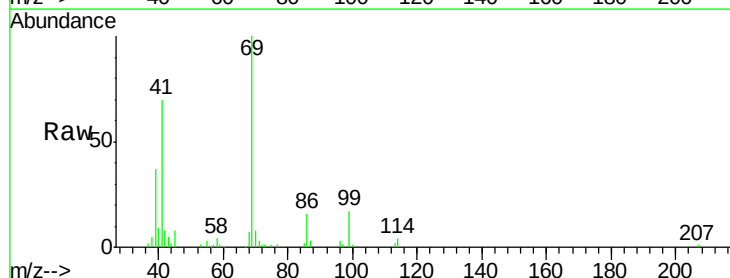
RT: 10.42 min Scan# 2688

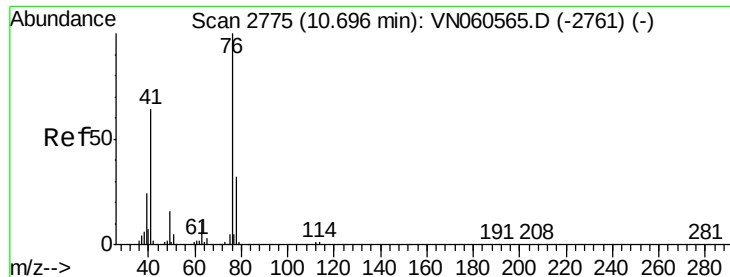
Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion:	69	Resp:	62460
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.4	83.2
39	37.6	29.4	44.0





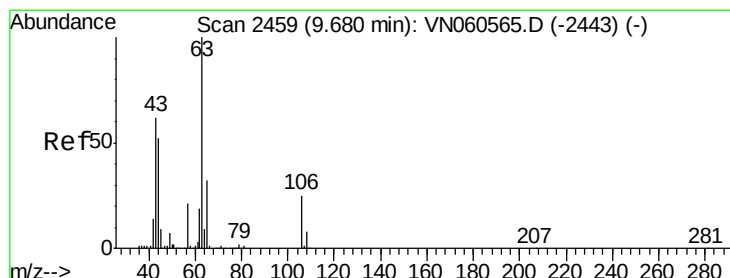
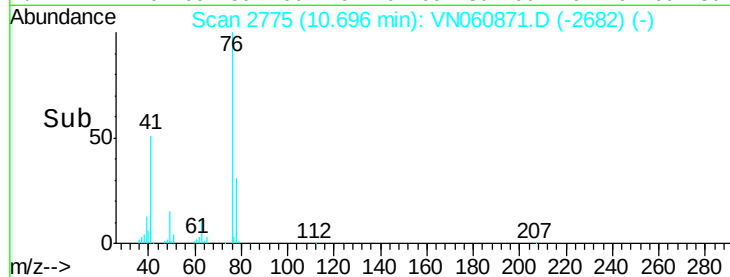
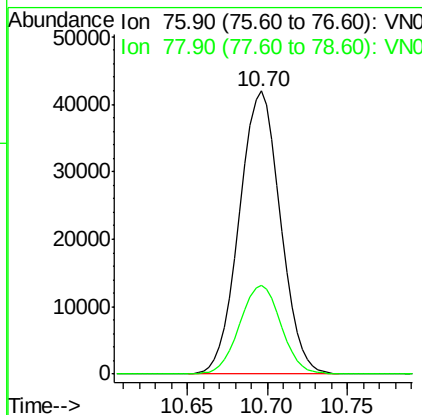
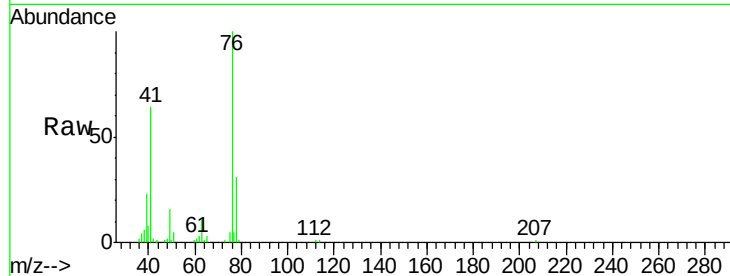
#57
 1,3-Dichloropropane
 Concen: 19.518 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.6

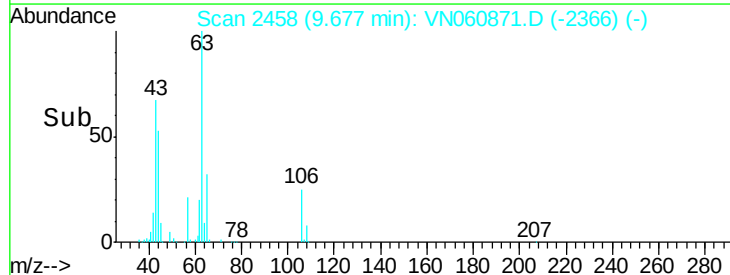
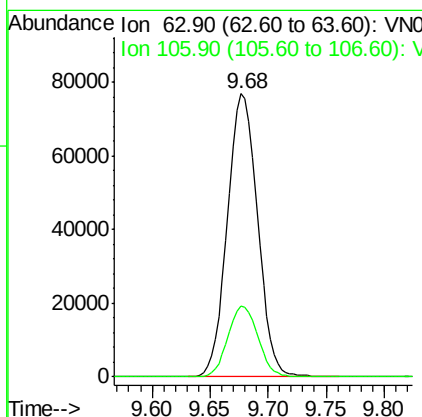
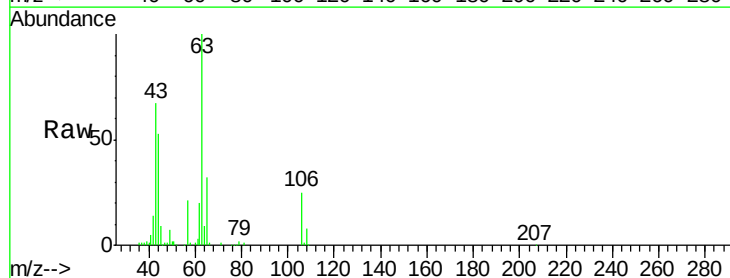
Manual Integrations
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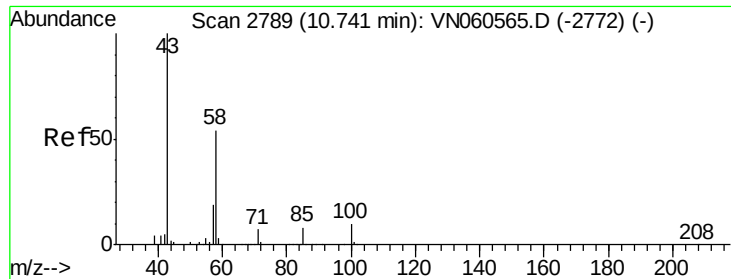
MMDadoda
 4/8/2020 9:39:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.312 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	20.0	30.0





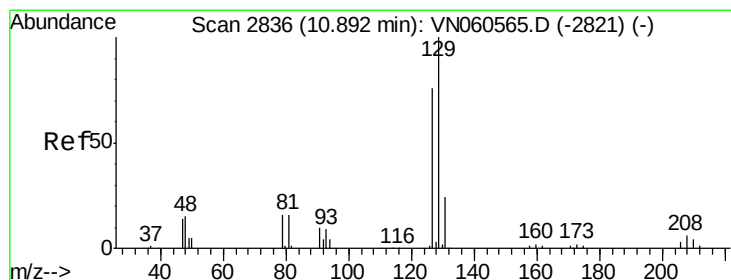
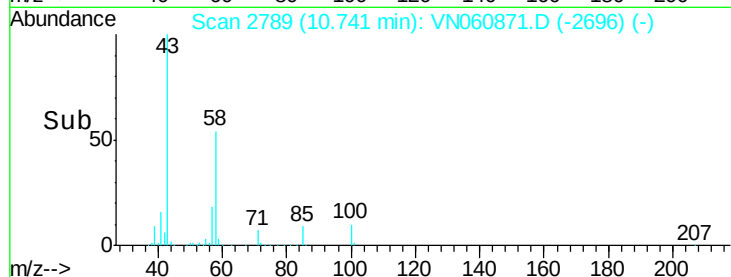
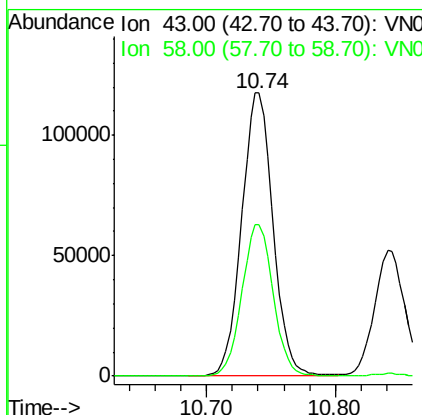
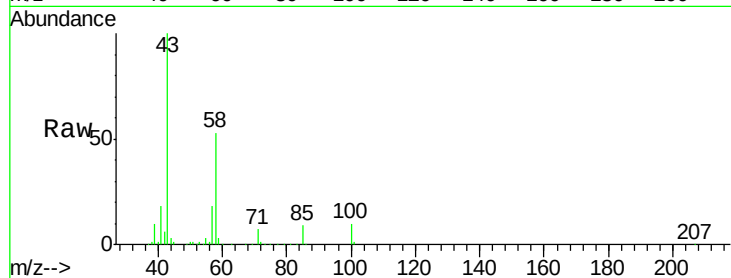
#59
2-Hexanone
Concen: 88.062 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	43	Resp	199191
Ion Ratio	43	100	
Lower	58	53.5	26.7
Upper			80.1

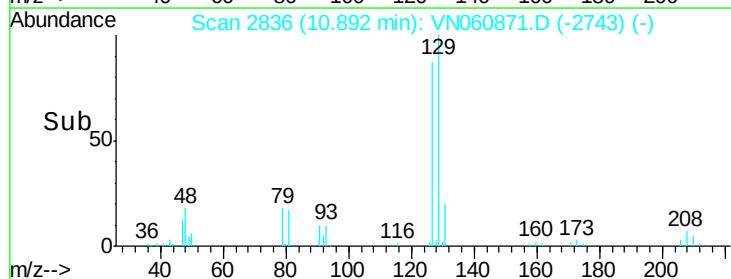
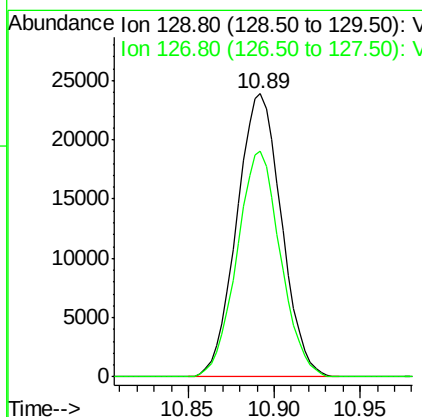
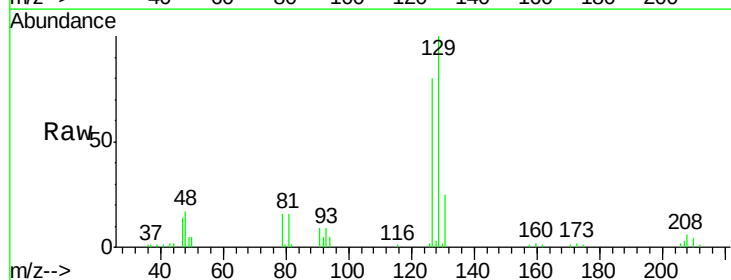
Manual Integrations
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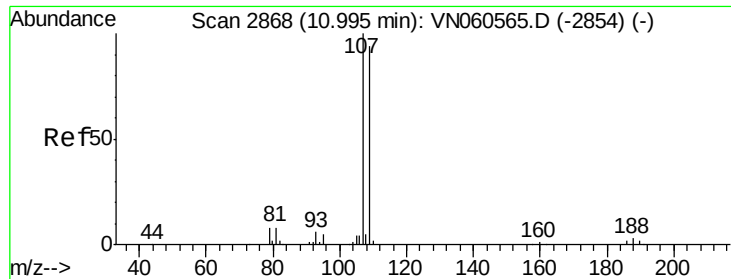
MMDadoda
4/8/2020 9:39:13 AM



#60
Dibromochloromethane
Concen: 19.161 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	129	Resp	42986
Ion Ratio	129	100	
Lower	127	77.7	38.5
Upper			115.5





#61

1,2-Dibromoethane

Concen: 19.027 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0407WBS01

Tot Ion: 107 Resp: 41555

Ion Ratio Lower Upper

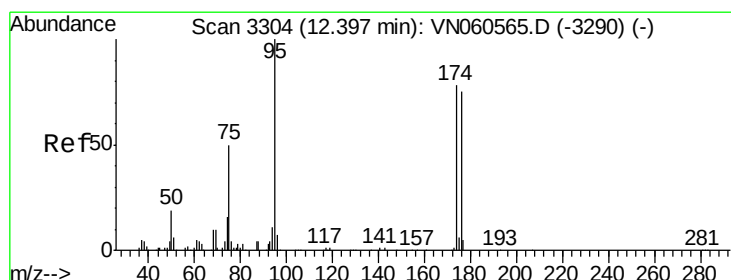
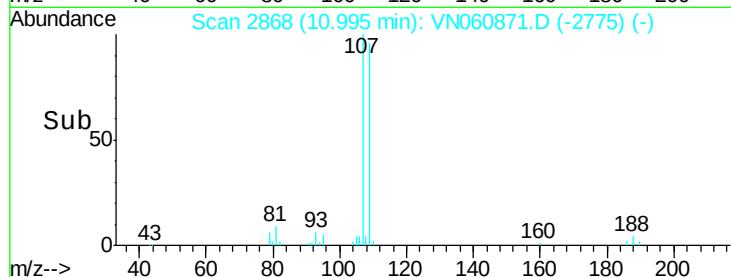
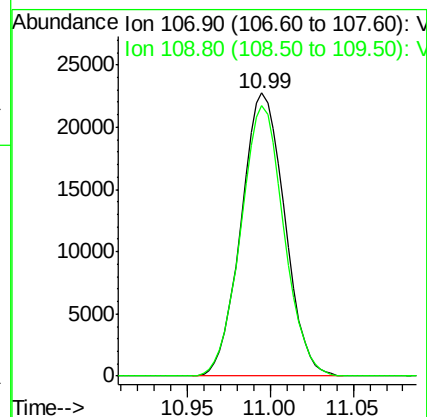
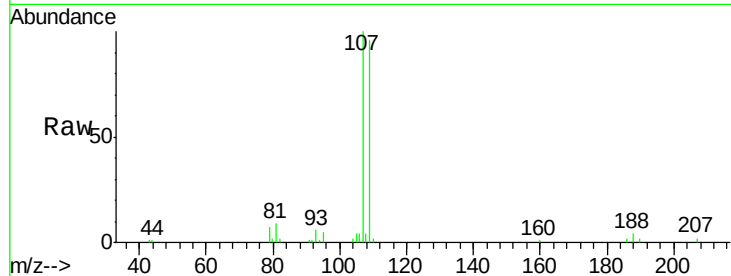
107 100

109 94.6 75.4 113.2

Manual Integrations
APPROVED

MMDadoda

4/8/2020 9:39:13 AM



#62

4-Bromofluorobenzene

Concen: 47.158 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

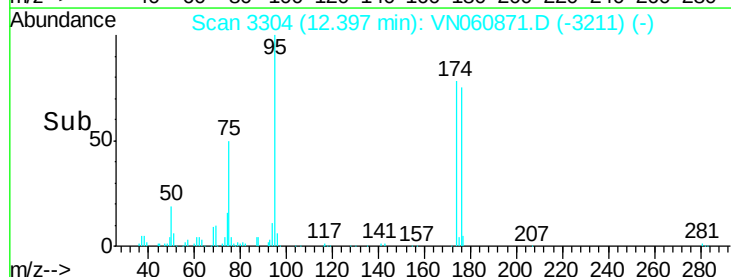
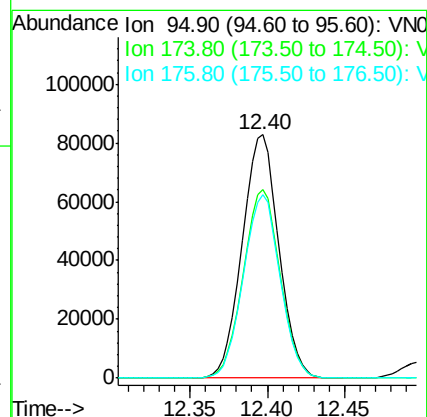
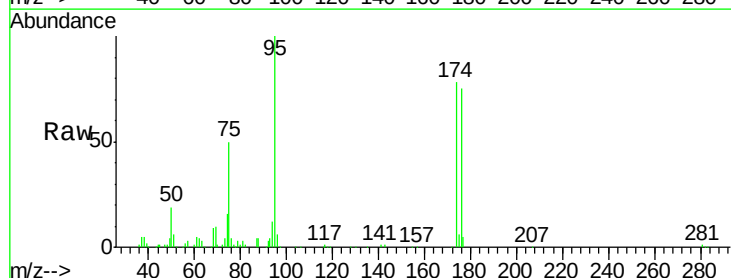
Tgt Ion: 95 Resp: 136507

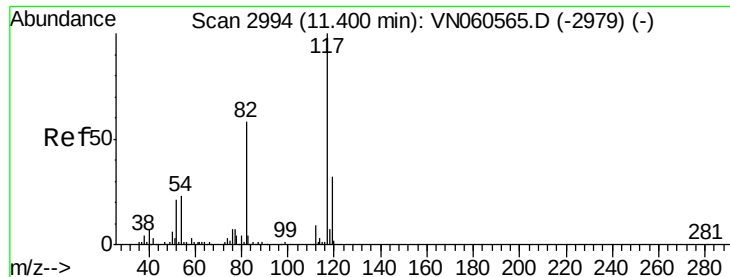
Ion Ratio Lower Upper

95 100

174 78.0 0.0 157.6

176 75.7 0.0 150.6





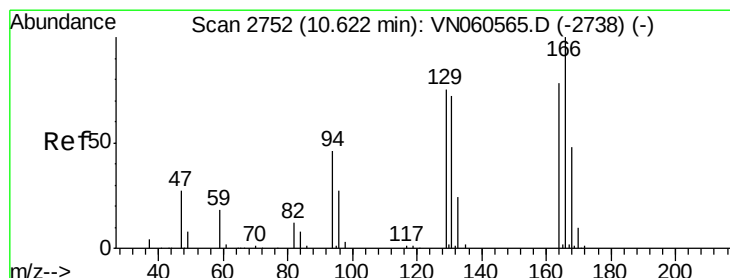
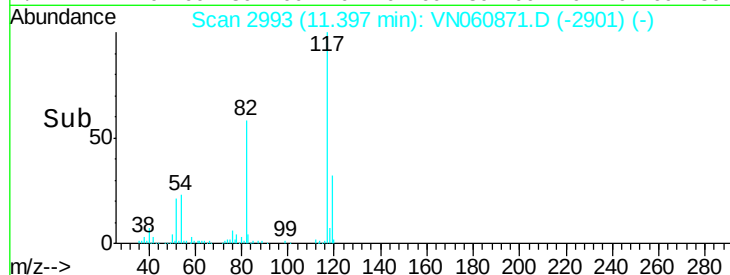
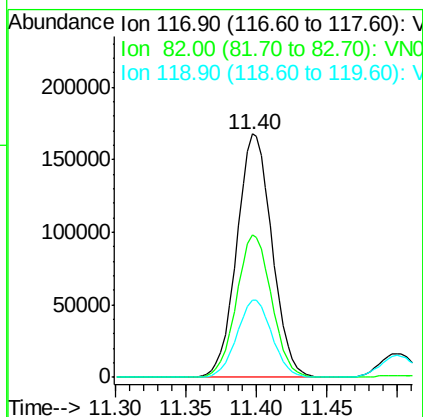
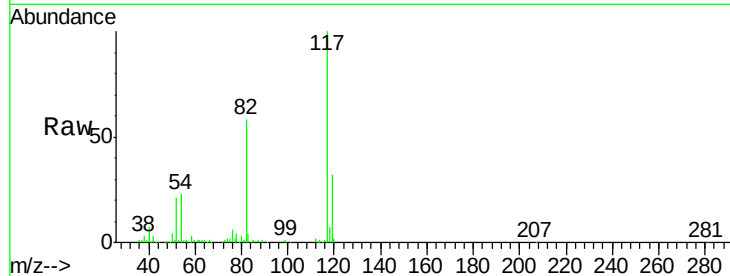
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

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

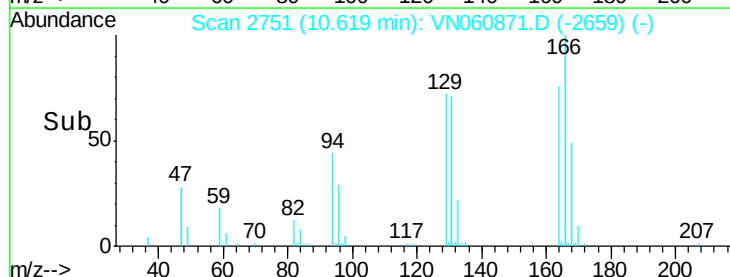
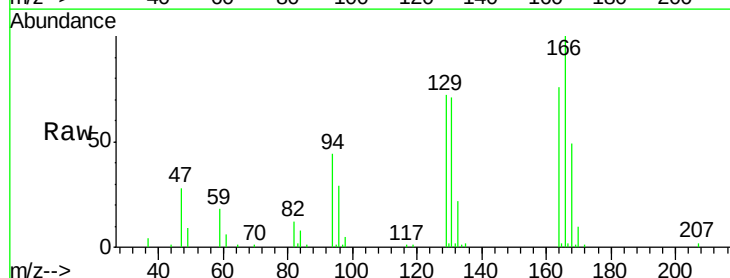
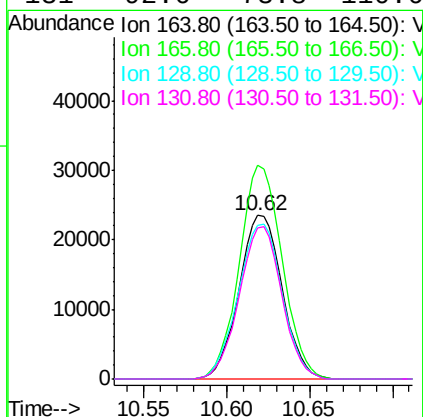
Manual Integrations
APPROVED

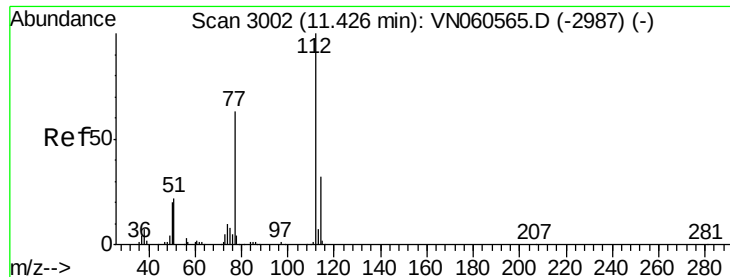
MMDadoda
4/8/2020 9:39:13 AM



#64
Tetrachloroethene
Concen: 18.401 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	102.7	154.1
129	94.3	77.2	115.8
131	92.6	73.8	110.6





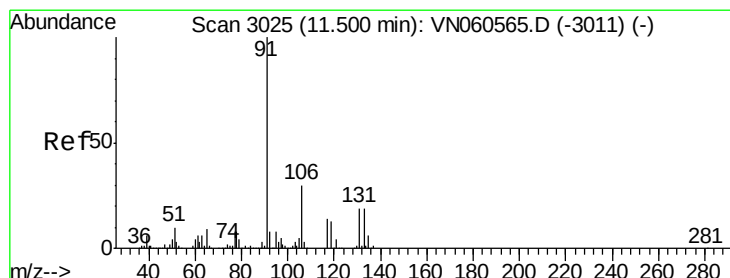
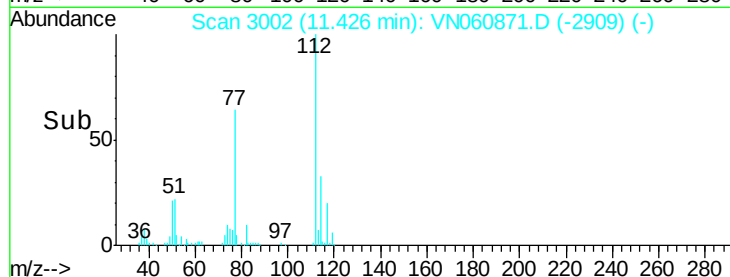
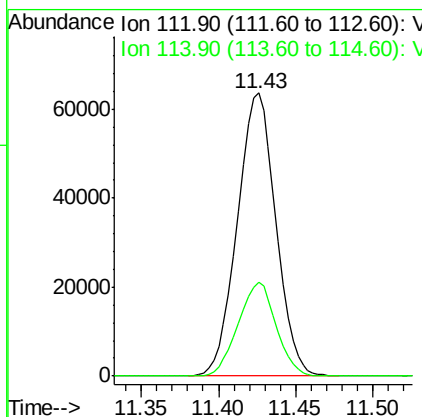
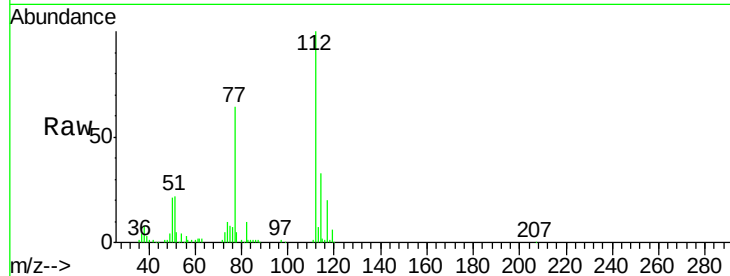
#65
Chlorobenzene
Concen: 18.955 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.8	38.6

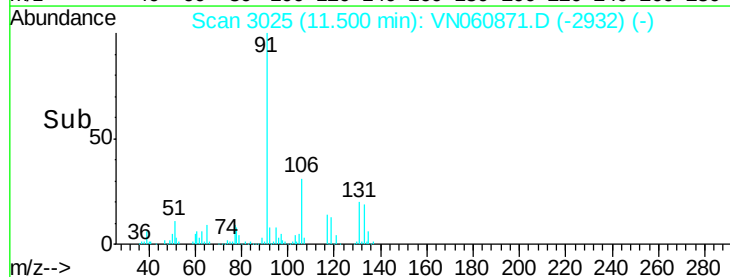
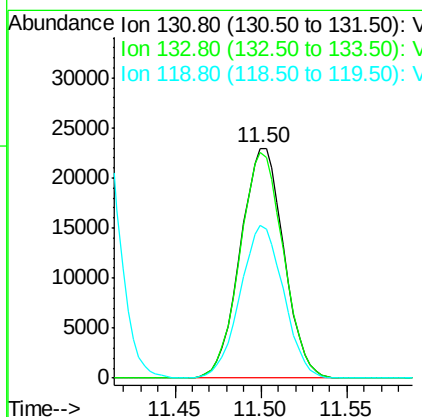
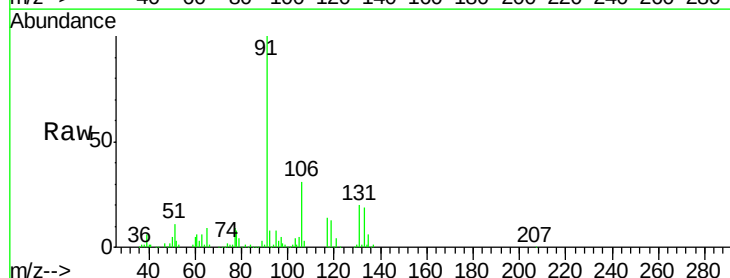
Manual Integrations
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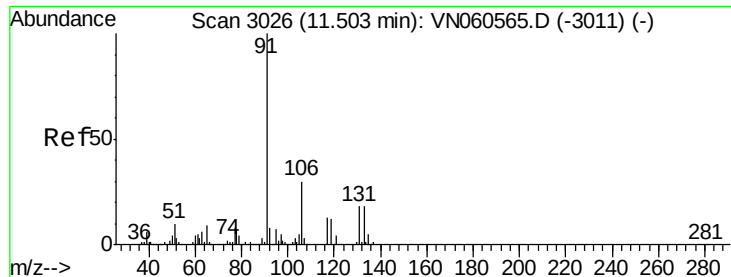
MMDadoda
4/8/2020 9:39:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.190 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	48.9	146.8
119	66.3	33.9	101.7





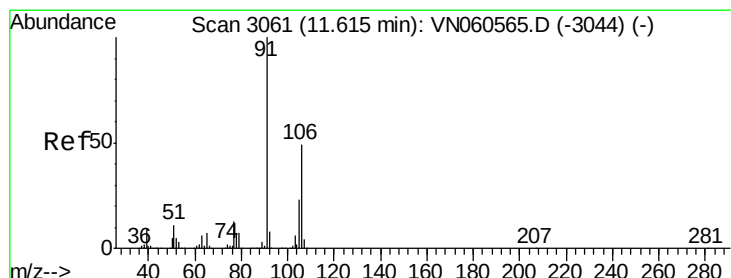
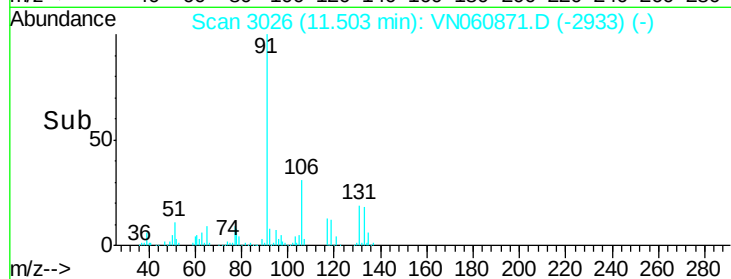
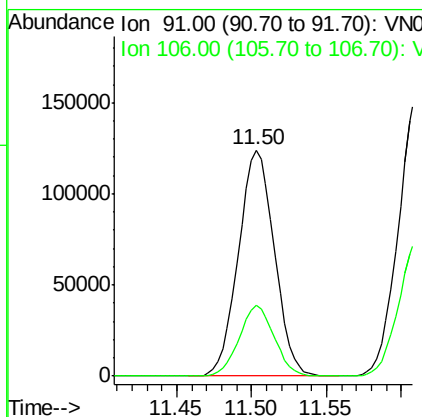
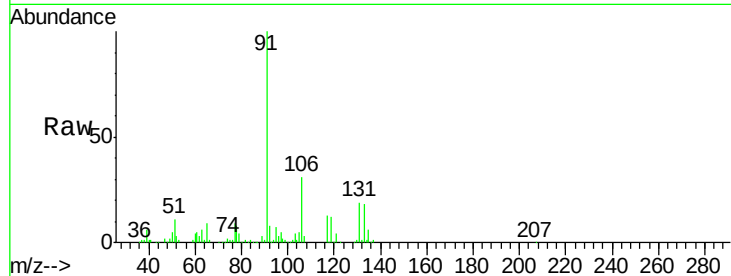
#67
Ethyl Benzene
Concen: 19.146 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.2

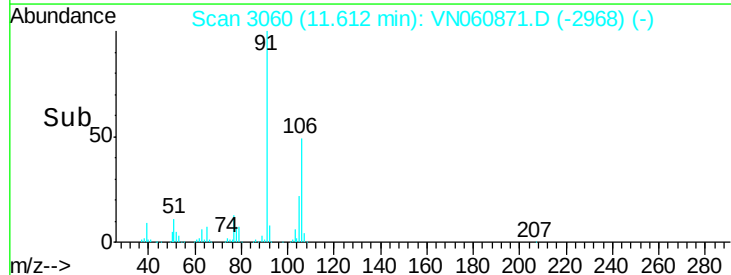
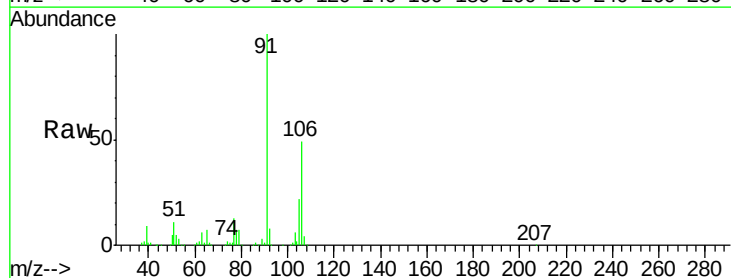
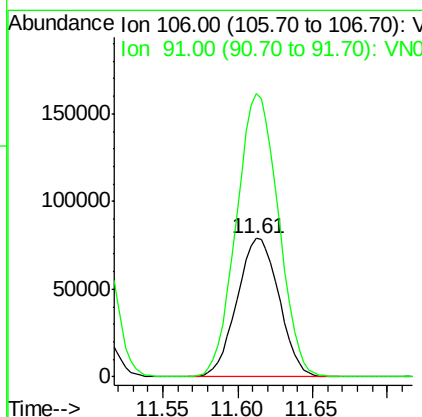
Manual Integrations
APPROVED

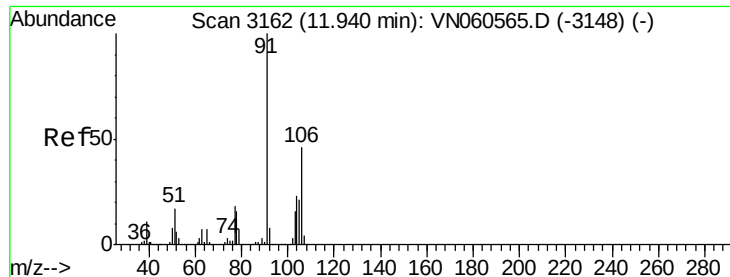
MMDadoda
4/8/2020 9:39:13 AM



#68
m/p-Xylenes
Concen: 38.419 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.6	165.0	247.4





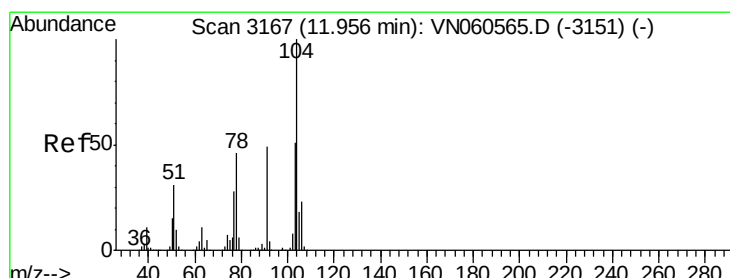
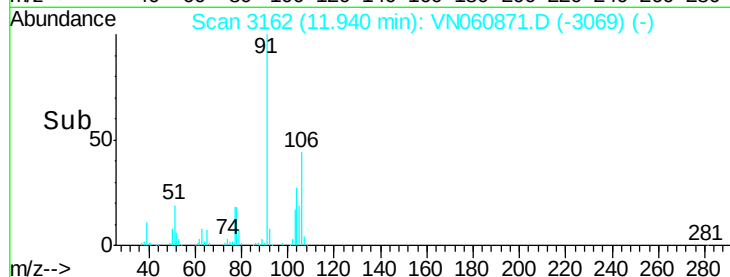
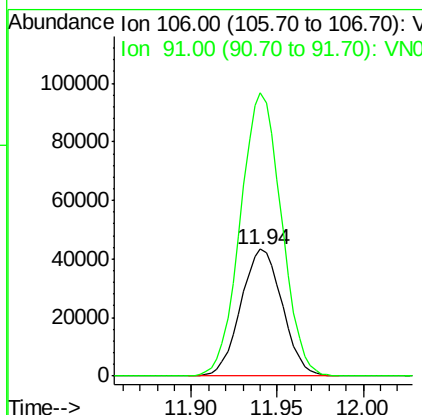
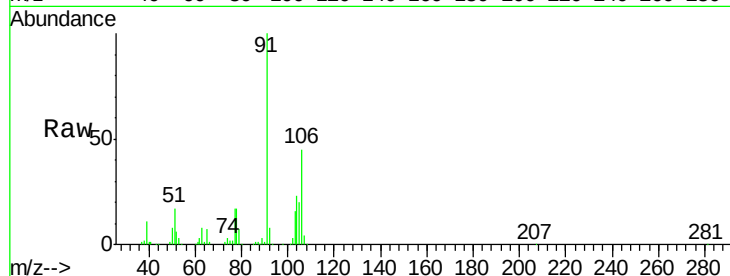
#69
o-Xylene
Concen: 18.947 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0407WBS01

Tot Ion:106 Resp: 72664
Ion Ratio Lower Upper
106 100
91 221.0 109.5 328.4

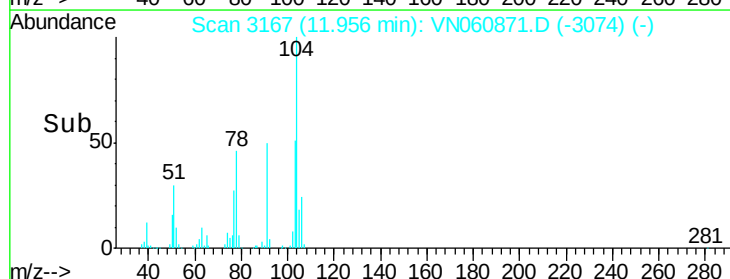
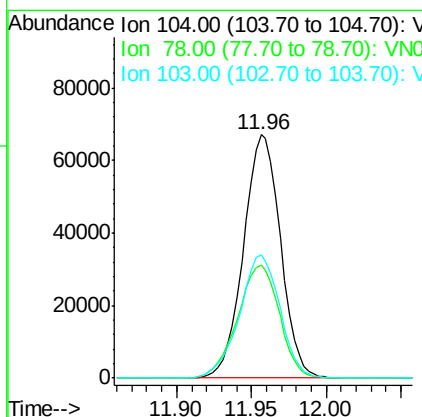
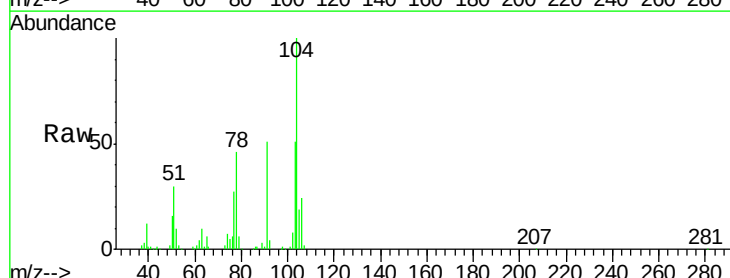
Manual Integrations
APPROVED

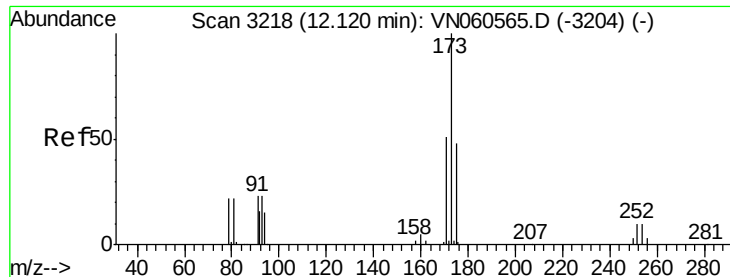
MMDadoda
4/8/2020 9:39:13 AM



#70
Styrene
Concen: 18.419 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion:104 Resp: 115528
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 55.4 44.0 66.0





#71

Bromoform

Concen: 18.127 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion:173 Resp: 29772

Ion Ratio Lower Upper

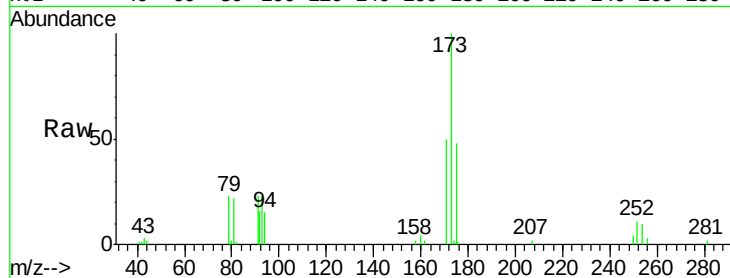
173 100

175 48.6 24.1 72.4

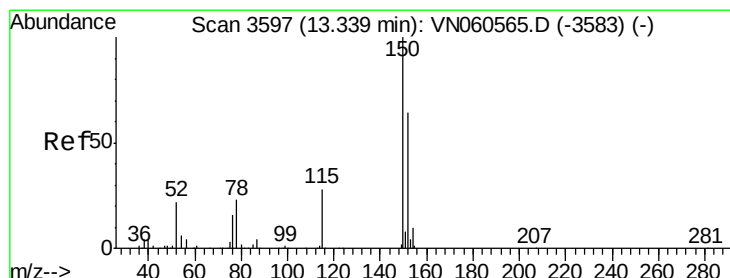
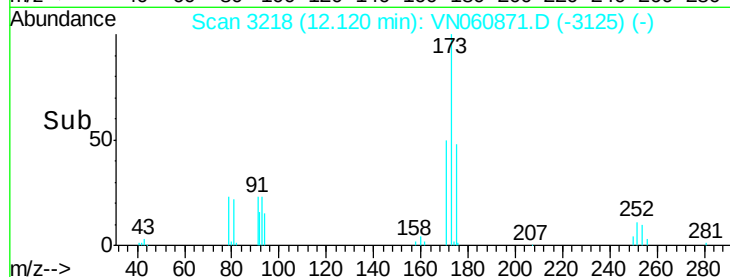
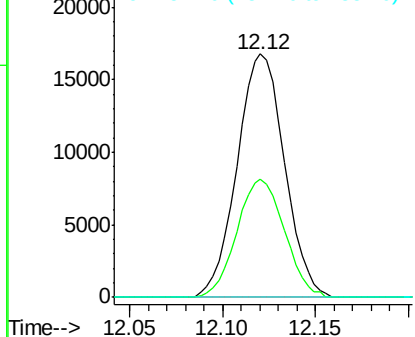
254 0.0 0.0 0.0

Manual Integrations
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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: VN060871.D

Acq: 7 Apr 2020 12:40

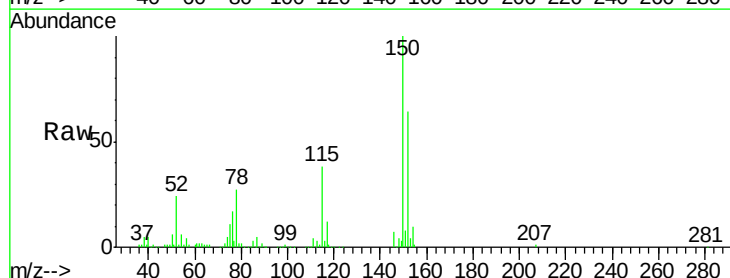
Tgt Ion:152 Resp: 136462

Ion Ratio Lower Upper

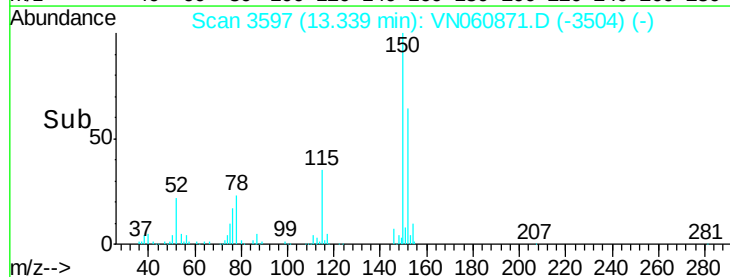
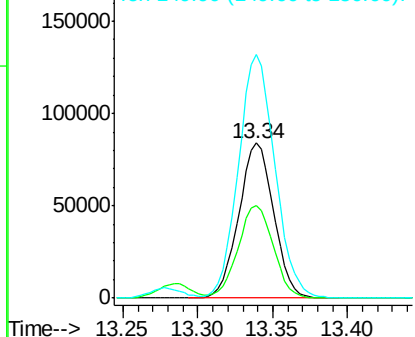
152 100

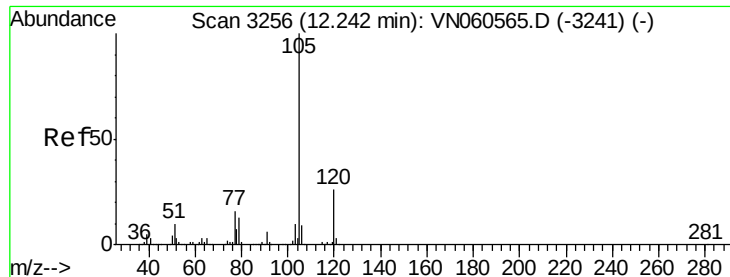
115 60.1 30.2 90.6

150 164.1 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: 19.205 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0407WBS01

Tot Ion: 105 Resp: 196679

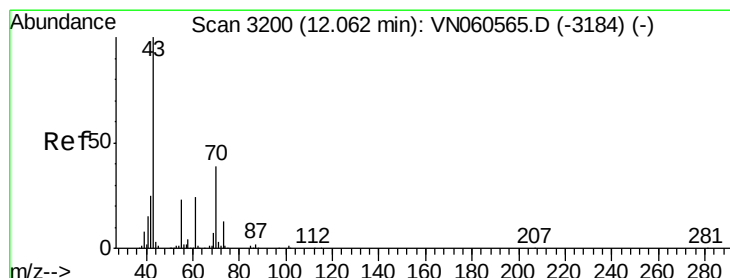
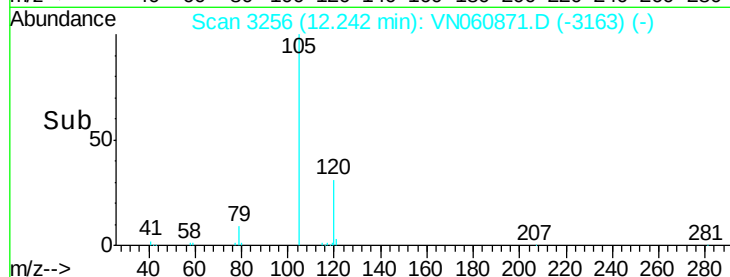
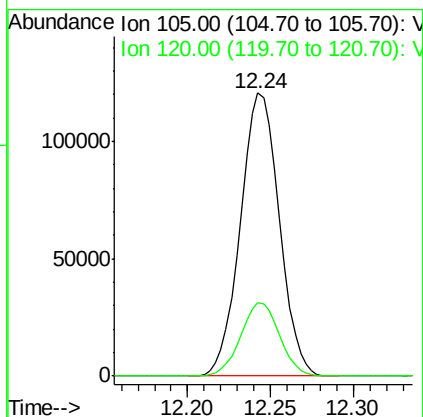
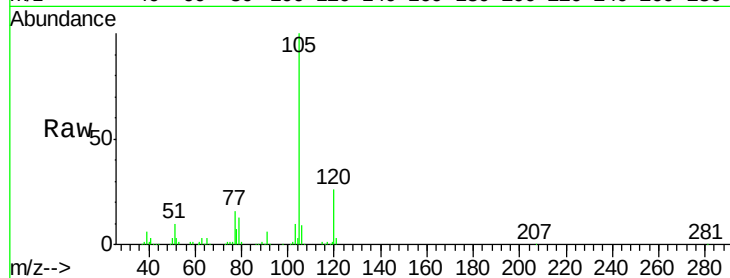
Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1

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4/8/2020 9:39:13 AM



#74

N-ethyl acetate

Concen: 17.782 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion: 43 Resp: 84147

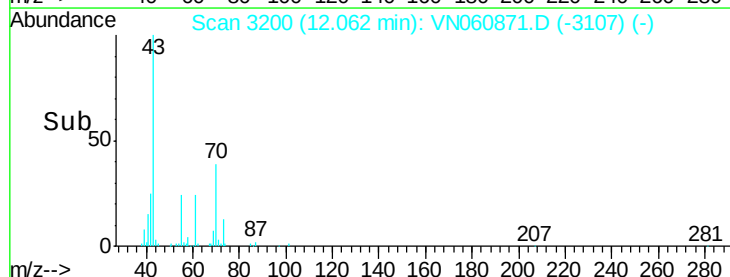
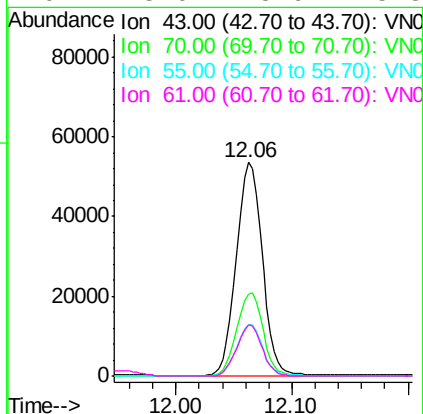
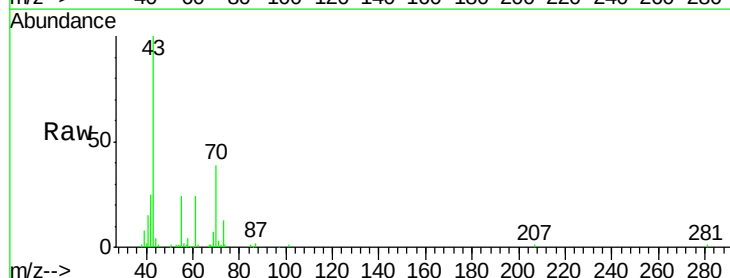
Ion Ratio Lower Upper

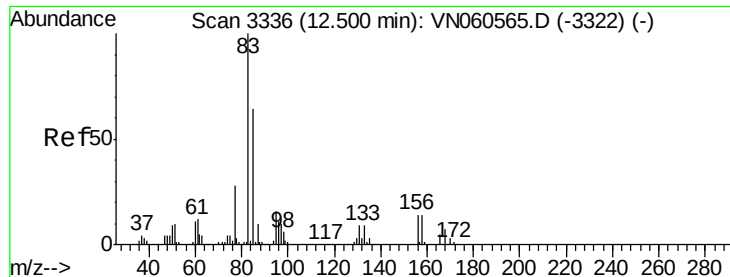
43 100

70 38.9 31.1 46.7

55 24.0 18.6 27.8

61 23.0 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.580 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

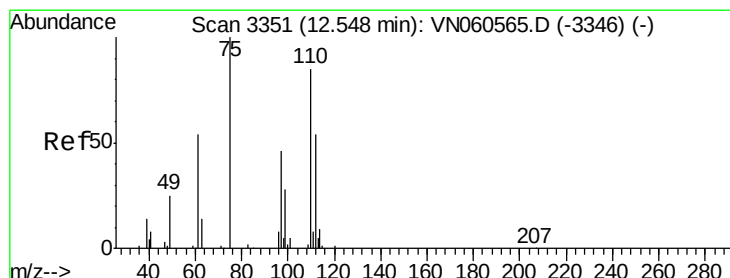
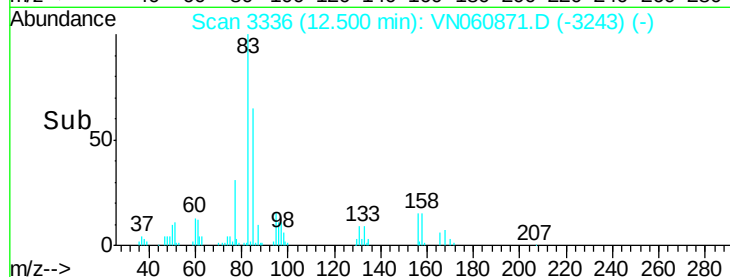
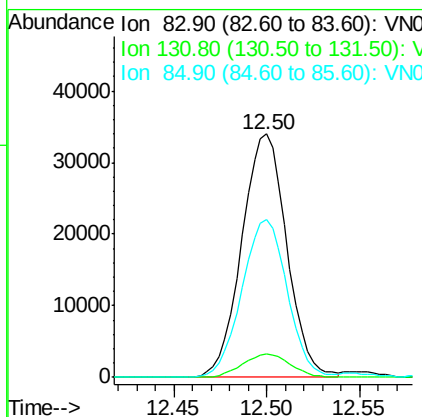
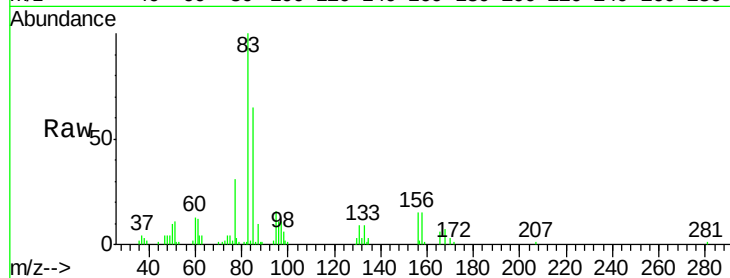
ClientSampled :

VN0407WBS01

Tot Ion:	83	Resp:	57542
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	65.2	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.645 ug/l m

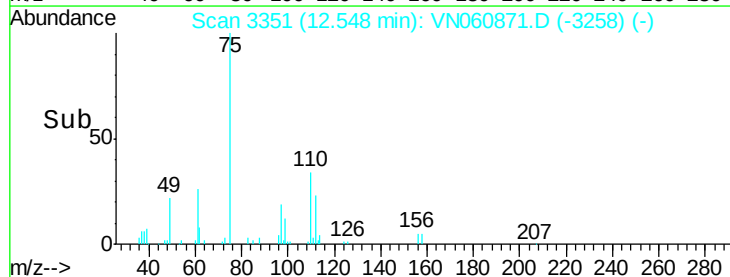
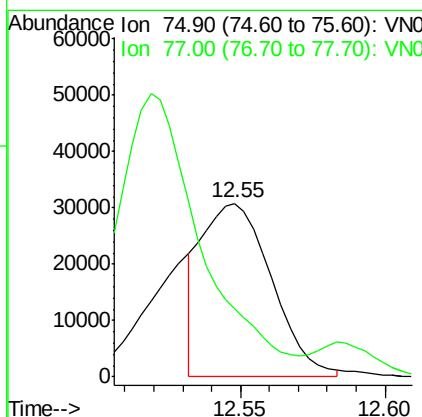
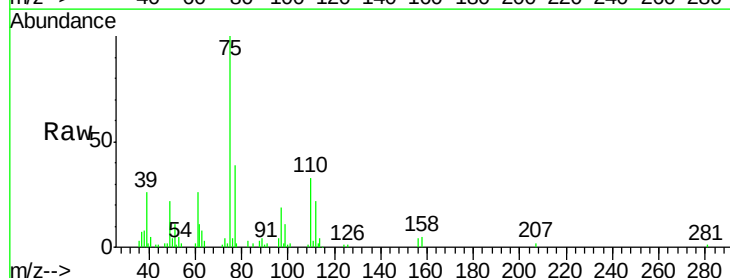
RT: 12.55 min Scan# 3351

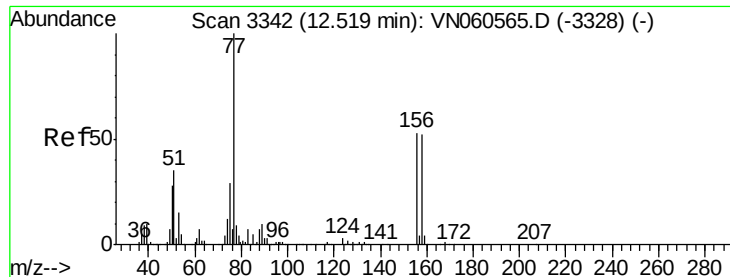
Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Tgt Ion:	75	Resp:	51957
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





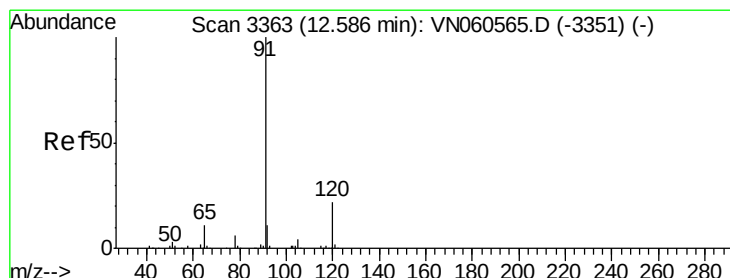
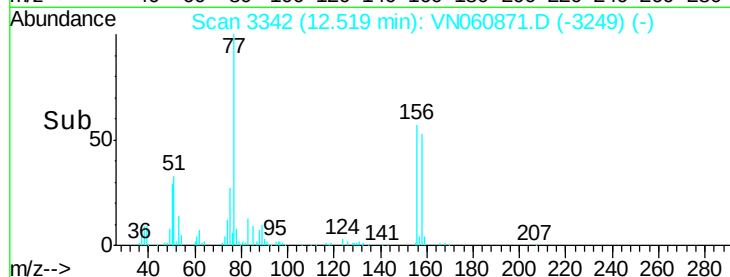
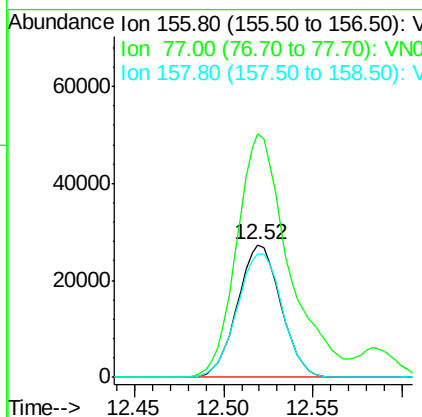
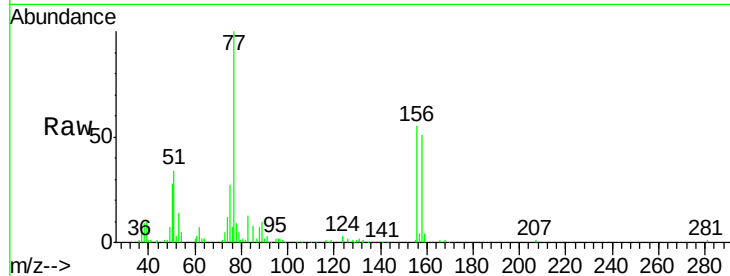
#77
Bromobenzene
Concen: 18.728 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	221.9	112.3	337.0	
158	97.3	48.6	145.8	

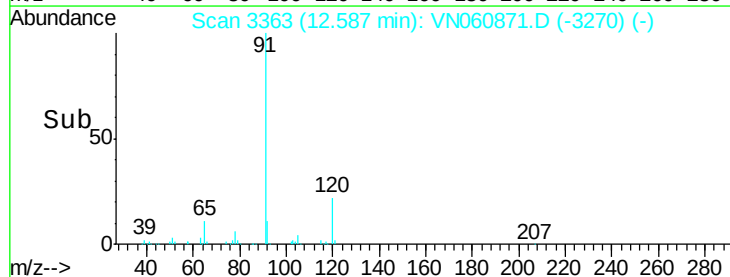
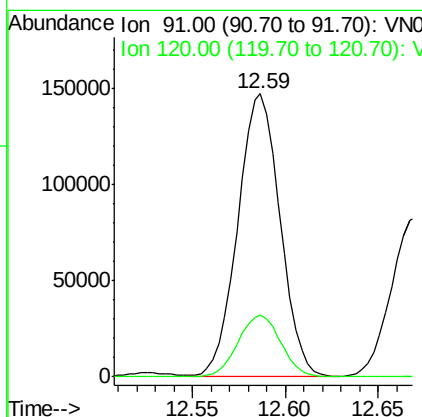
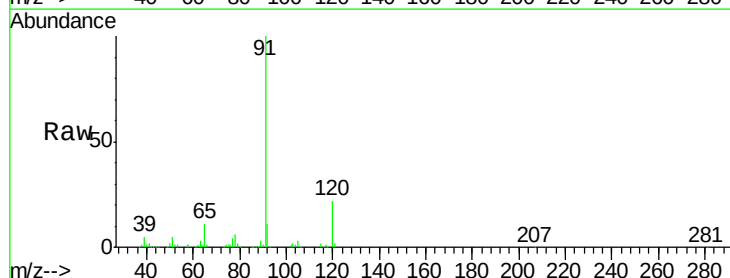
Manual Integrations
APPROVED

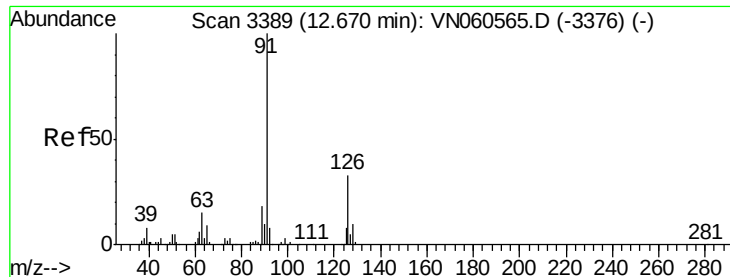
MMDadoda
4/8/2020 9:39:13 AM



#78
n-propylbenzene
Concen: 19.235 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.3	33.8	





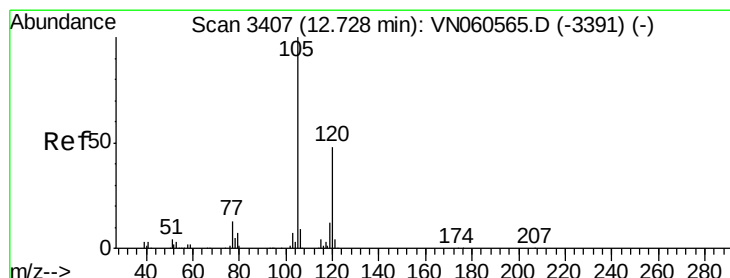
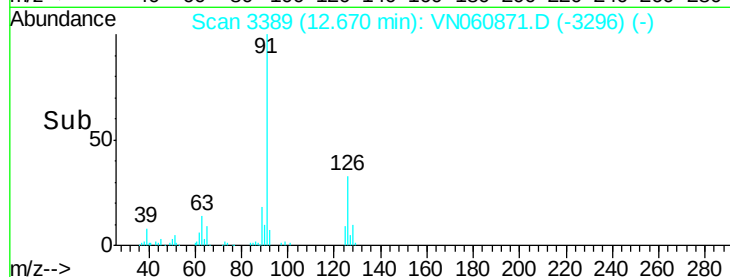
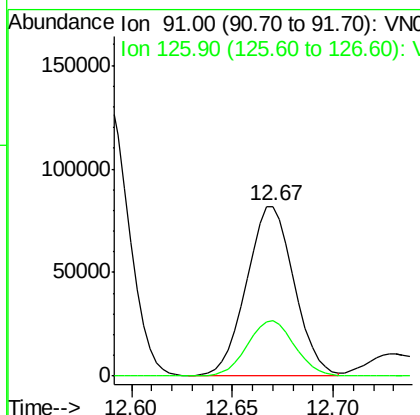
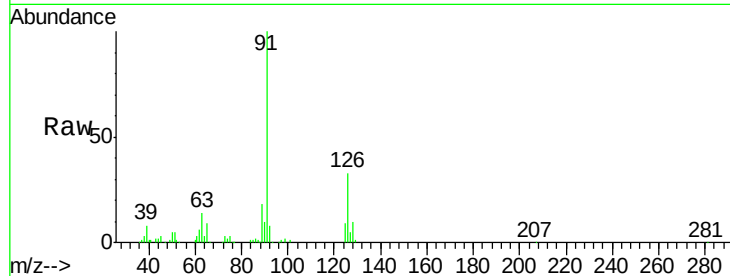
#79
 2-Chlorotoluene
 Concen: 18.698 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407WBS01

Tot Ion: 91 Resp: 135172
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1

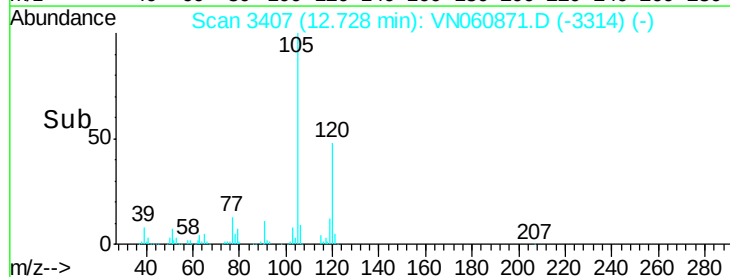
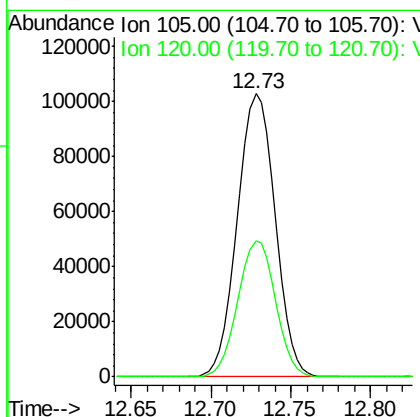
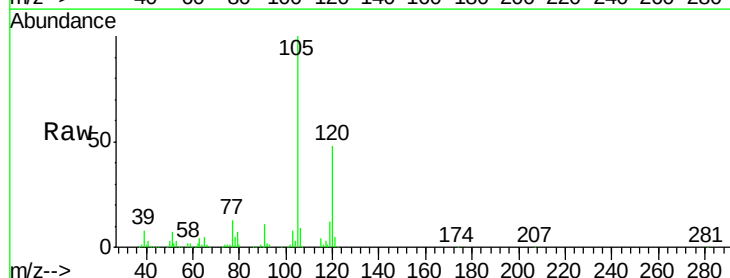
Manual Integrations
 APPROVED

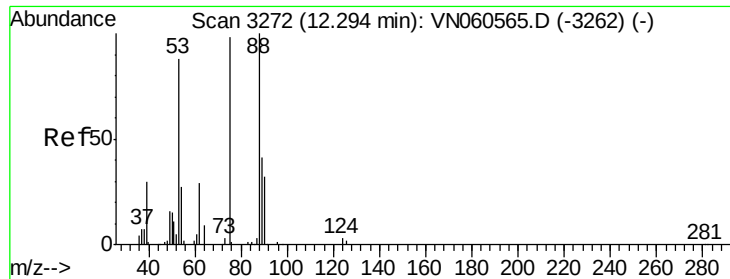
MMDadoda
 4/8/2020 9:39:13 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.063 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion: 105 Resp: 165673
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.9 71.7





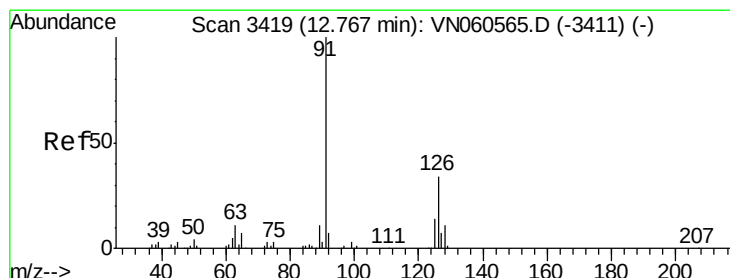
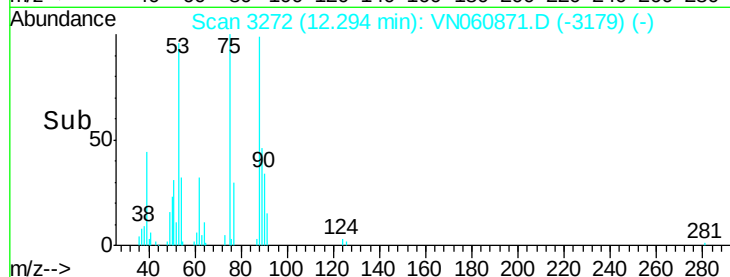
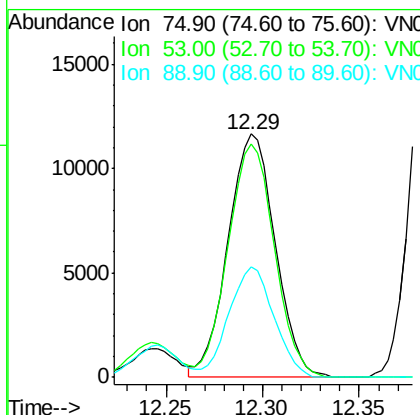
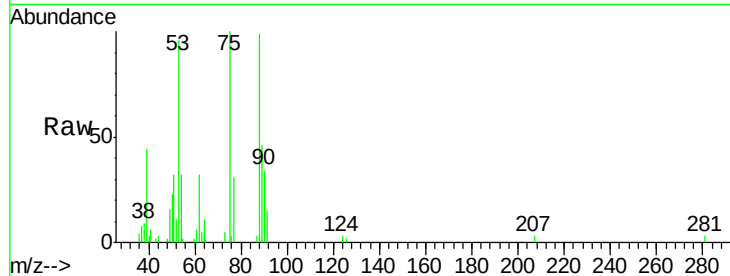
#81
trans-1,4-Dichloro-2-butene
Concen: 17.256 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	73.0	109.4
89	43.5	34.8	52.2

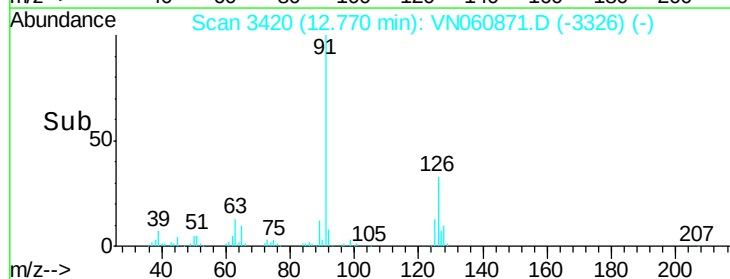
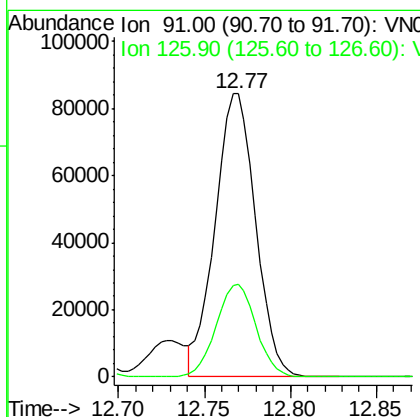
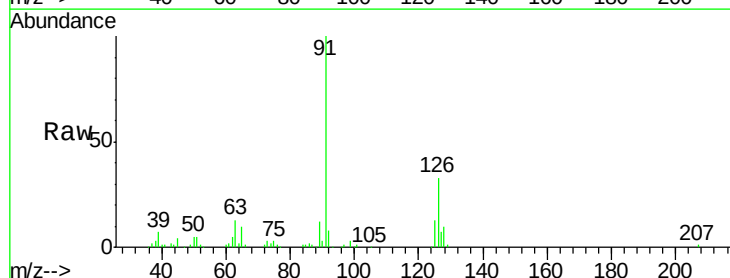
Manual Integrations
APPROVED

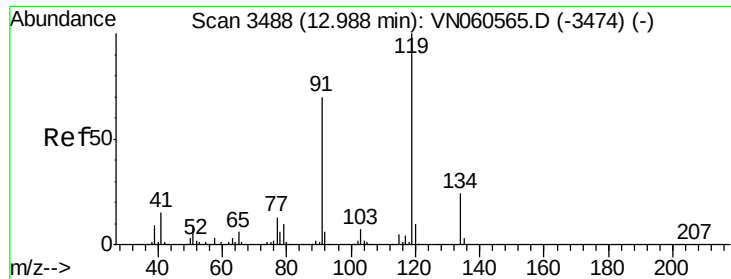
MMDadoda
4/8/2020 9:39:13 AM



#82
4-Chlorotoluene
Concen: 18.812 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





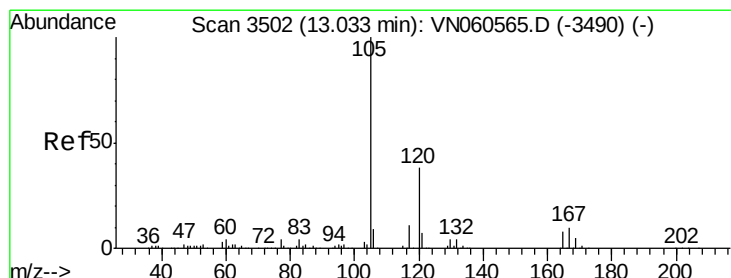
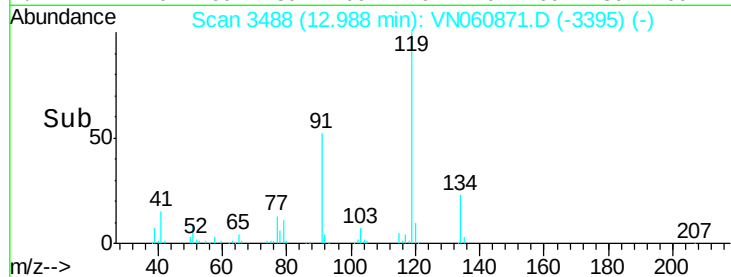
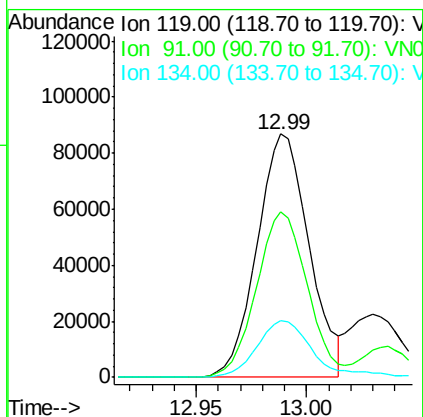
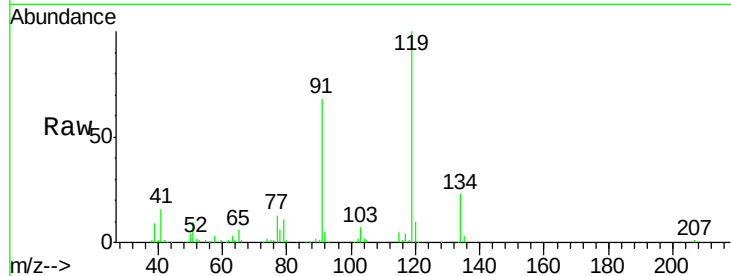
#83
 tert-Butylbenzene
 Concen: 19.708 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	34.0	101.8
134	25.2	12.7	38.0

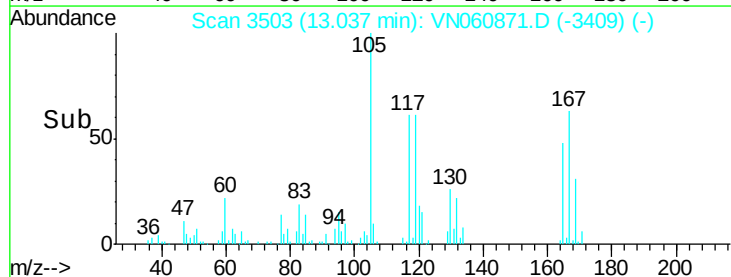
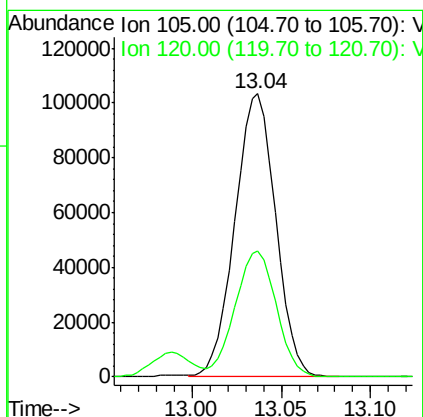
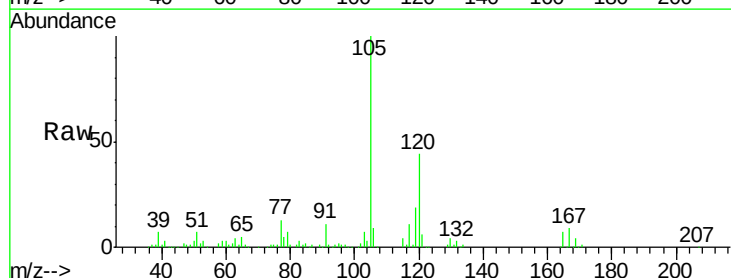
Manual Integrations
 APPROVED

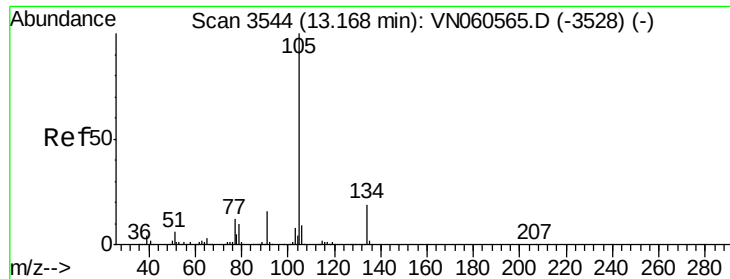
MMDadoda
 4/8/2020 9:39:13 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.053 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.593 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0407WBS01

Tot Ion:105 Resp: 189809

Ion Ratio Lower Upper

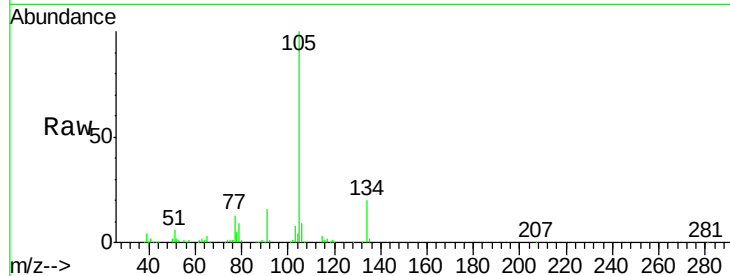
105 100

134 19.5 9.6 28.8

Manual Integrations
APPROVED

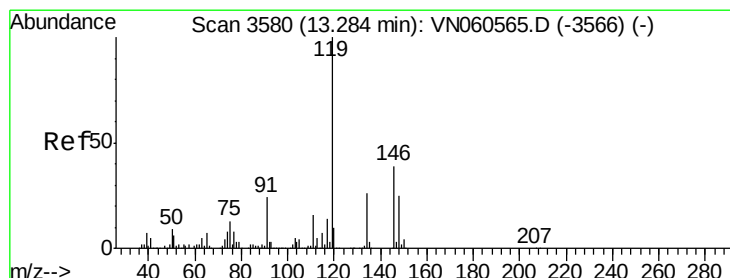
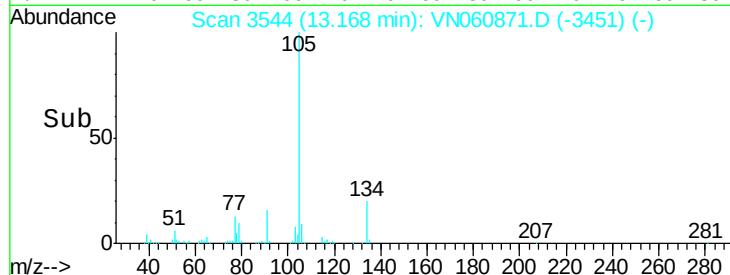
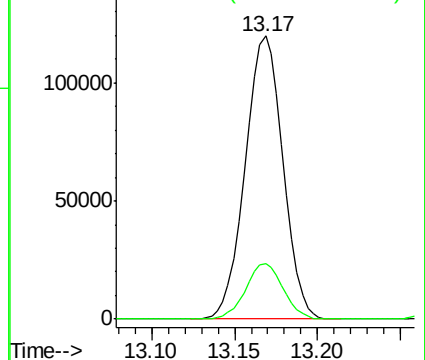
MMDadoda

4/8/2020 9:39:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.664 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060871.D

Acq: 7 Apr 2020 12:40

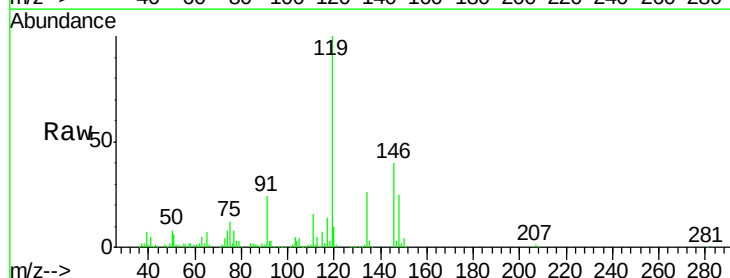
Tgt Ion:119 Resp: 171306

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

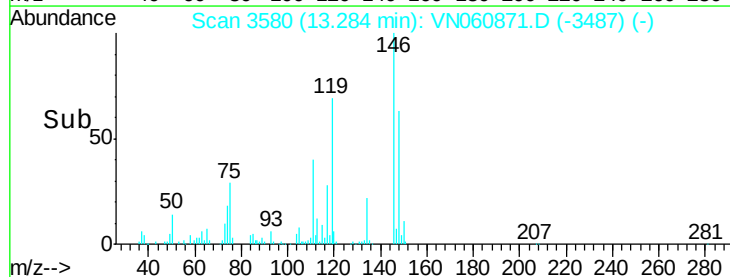
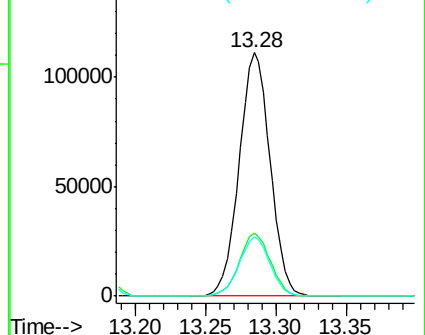
91 24.0 12.0 36.0

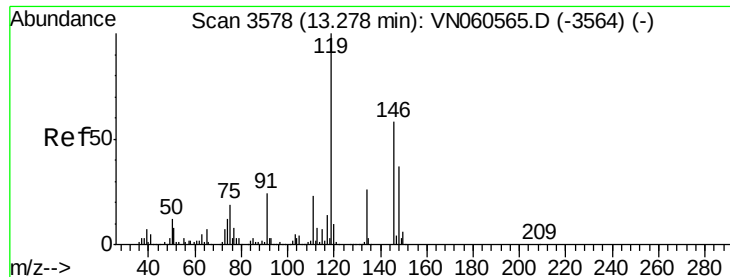


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





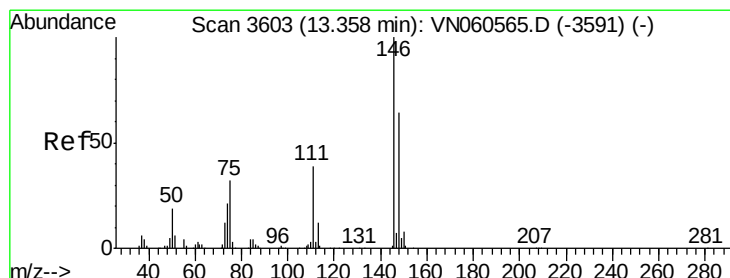
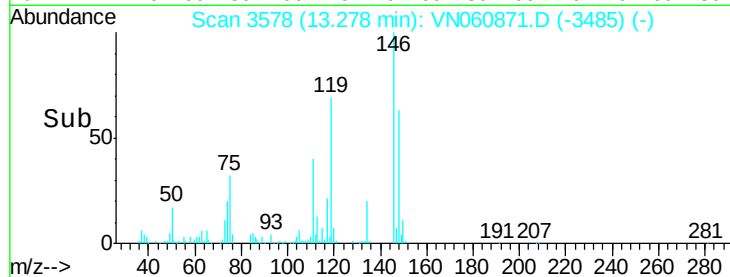
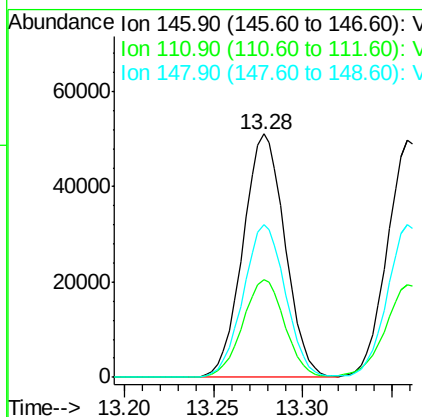
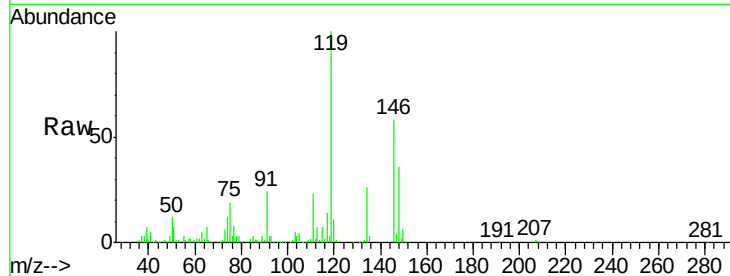
#87
 1,3-Dichlorobenzene
 Concen: 19.358 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0407WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	62.9	32.5	97.4

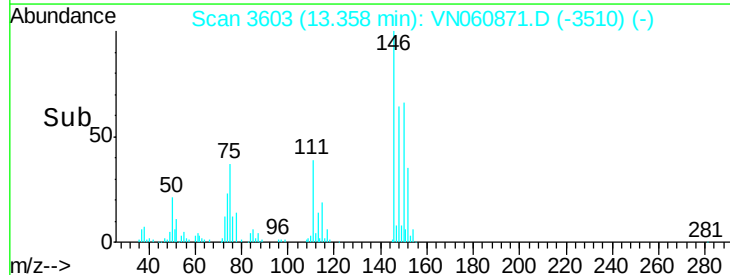
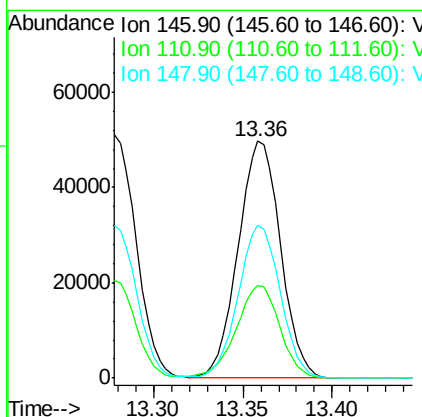
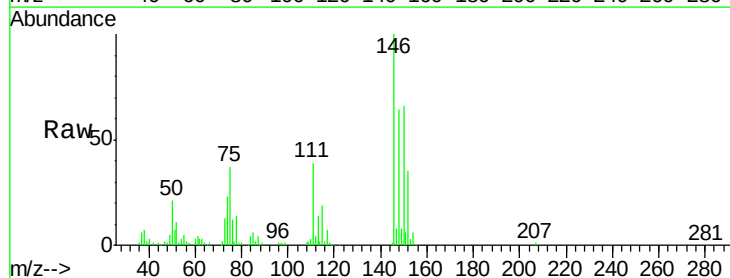
Manual Integrations
 APPROVED

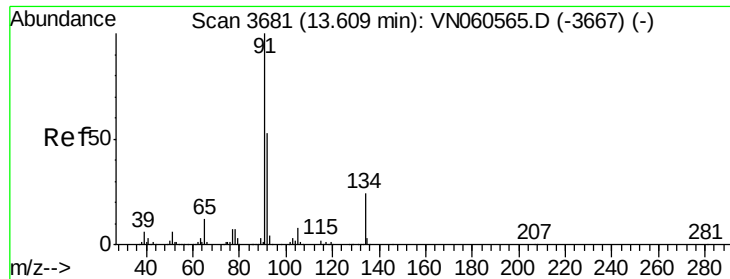
MMDadoda
 4/8/2020 9:39:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.820 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.7
148	64.1	32.1	96.3





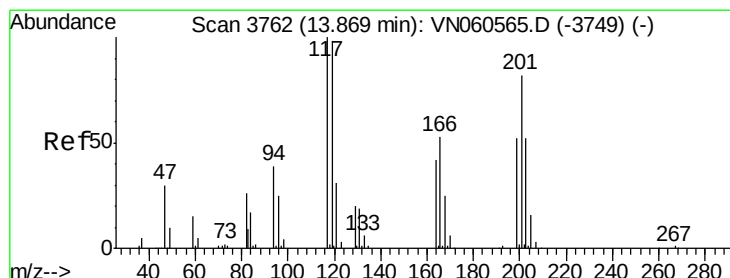
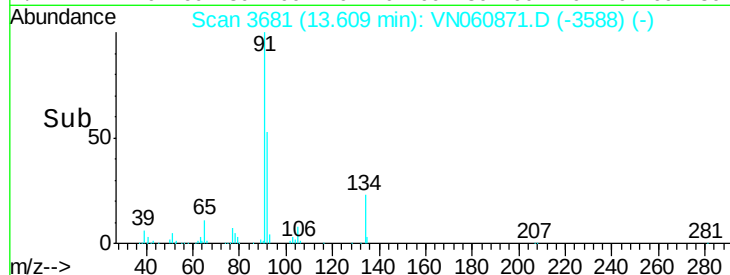
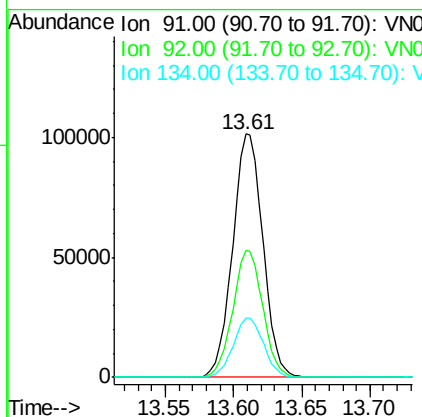
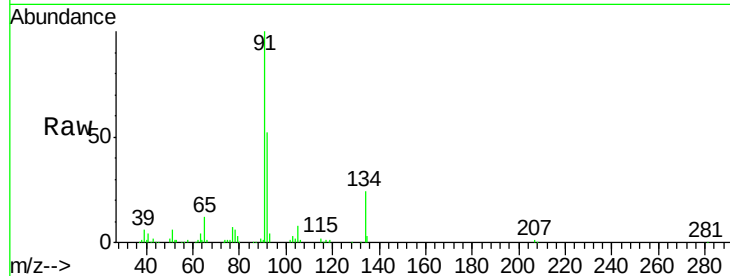
#89
n-Butylbenzene
Concen: 19.824 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	24.3	12.3	36.9

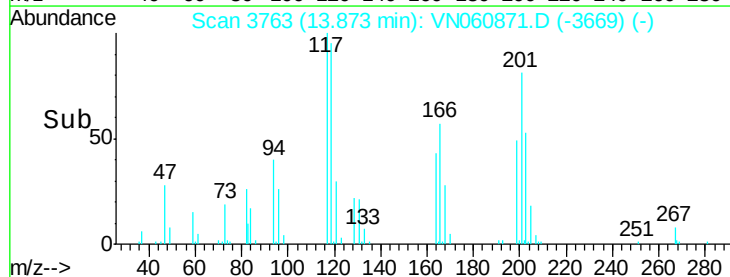
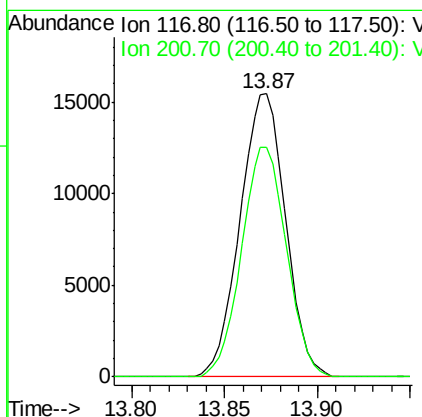
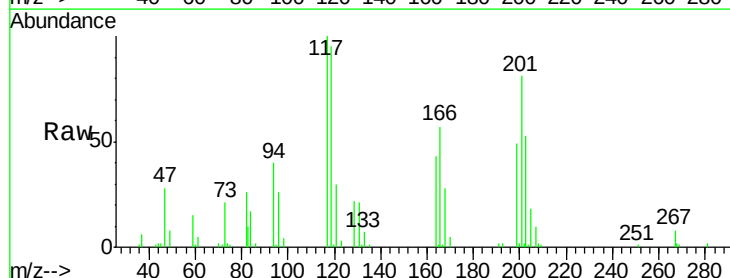
Manual Integrations
APPROVED

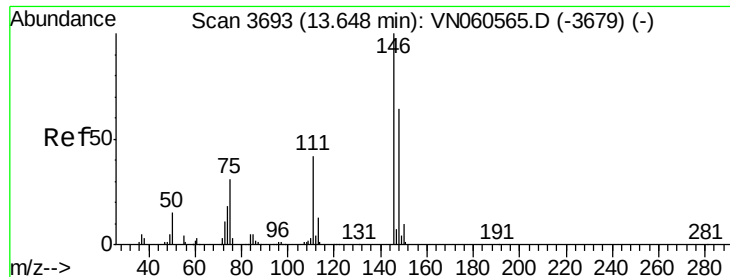
MMDadoda
4/8/2020 9:39:13 AM



#90
Hexachloroethane
Concen: 20.798 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	40.8	122.5





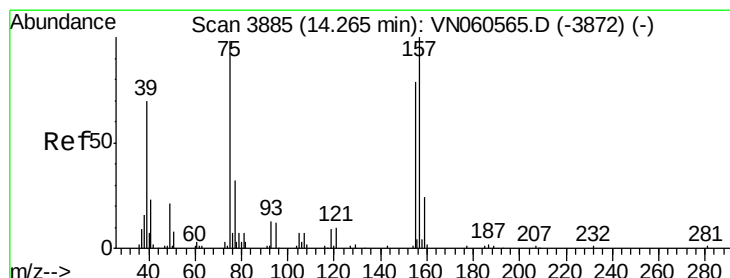
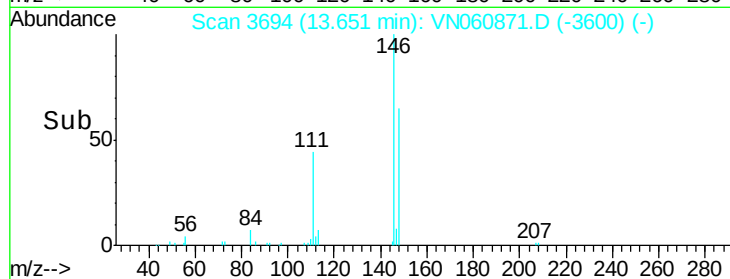
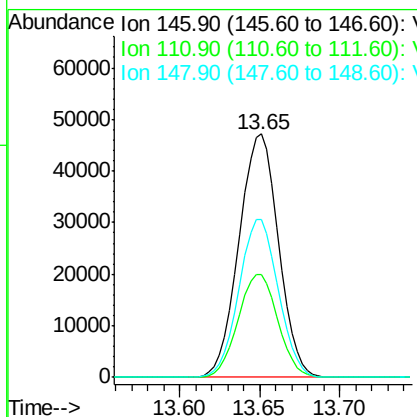
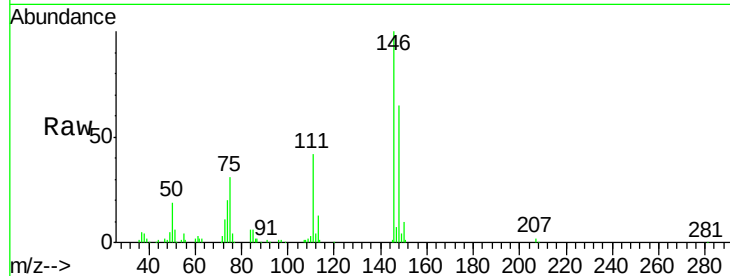
#91
 1,2-Dichlorobenzene
 Concen: 19.106 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	64.5	31.9	95.5

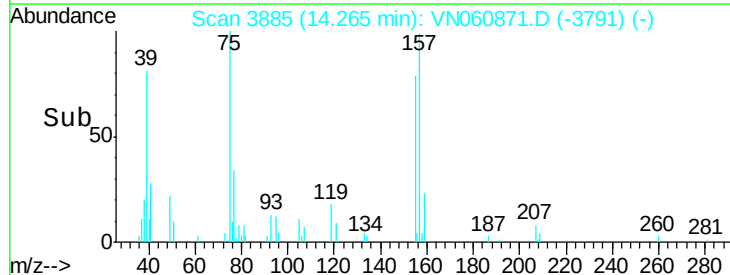
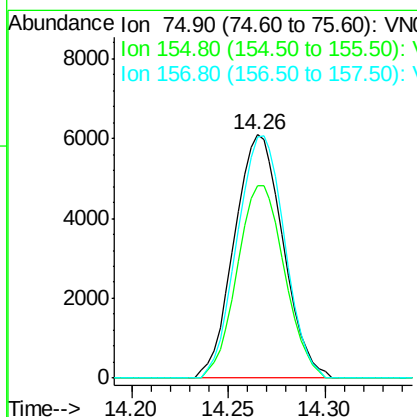
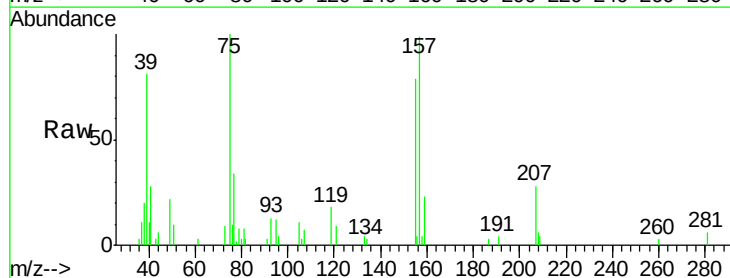
Manual Integrations
 APPROVED

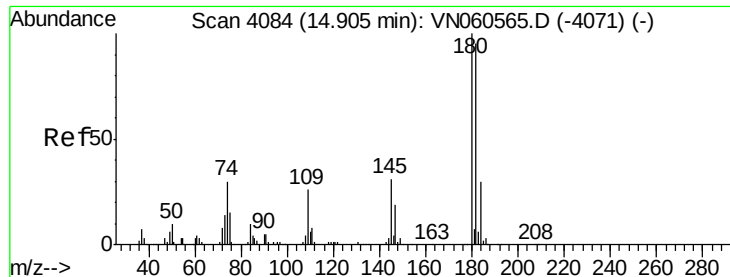
MMDadoda
 4/8/2020 9:39:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.304 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	40.7	122.1
157	96.9	51.5	154.7





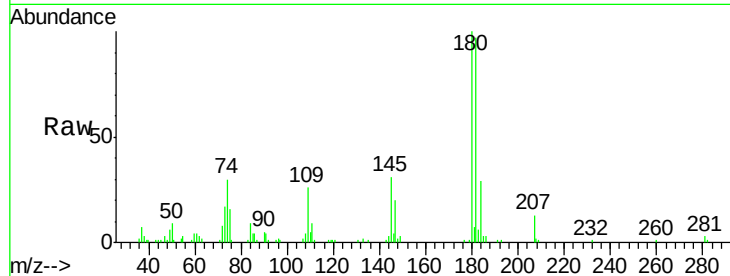
#93
 1,2,4-Trichlorobenzene
 Concen: 18.607 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0407WBS01

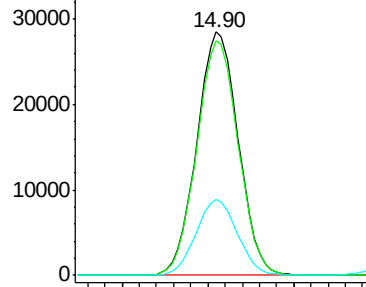
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.8
145	31.0	15.4	46.2

Manual Integrations
 APPROVED

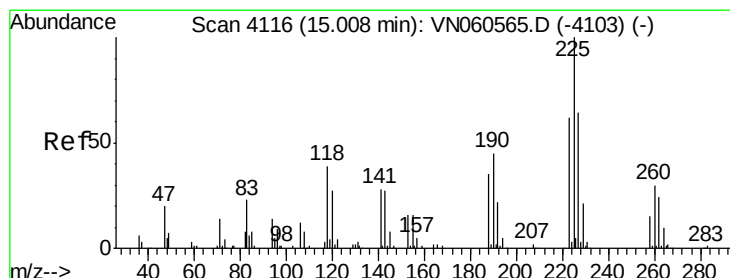
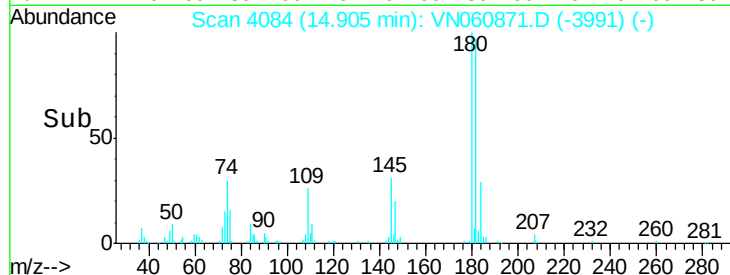
MMDadoda
 4/8/2020 9:39:13 AM



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

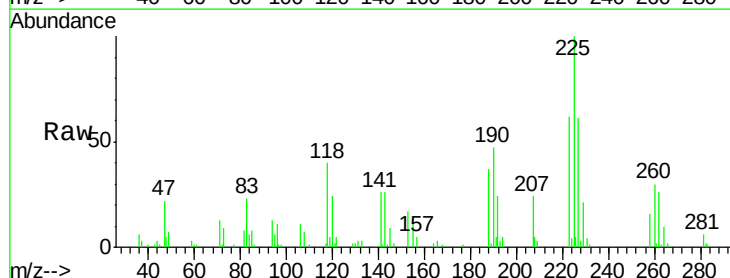


Time-->

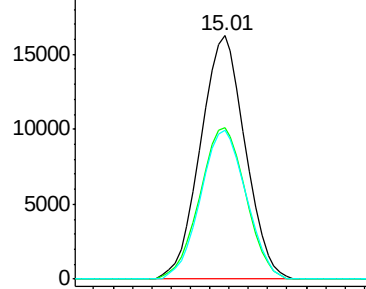


#94
 Hexachlorobutadiene
 Concen: 20.831 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060871.D
 Acq: 7 Apr 2020 12:40

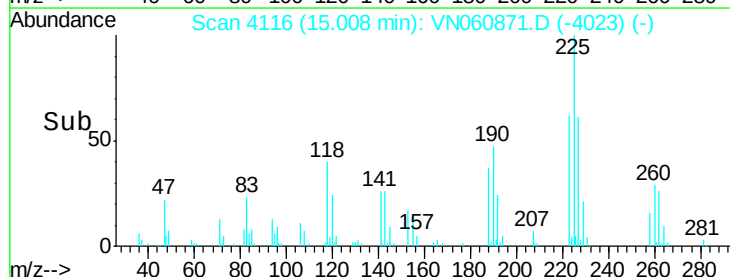
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.6	95.0
227	62.3	32.3	96.8

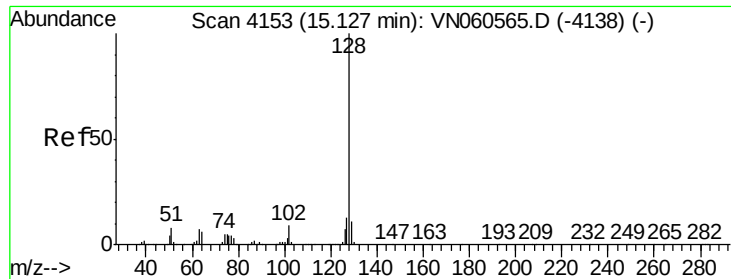


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





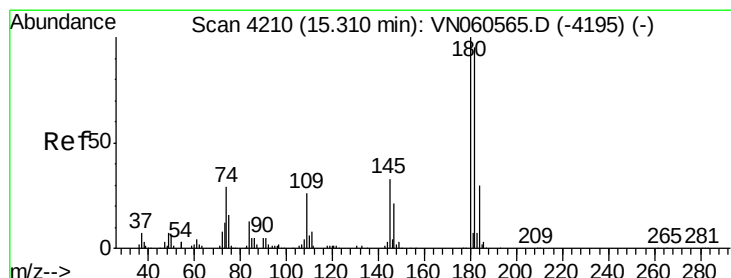
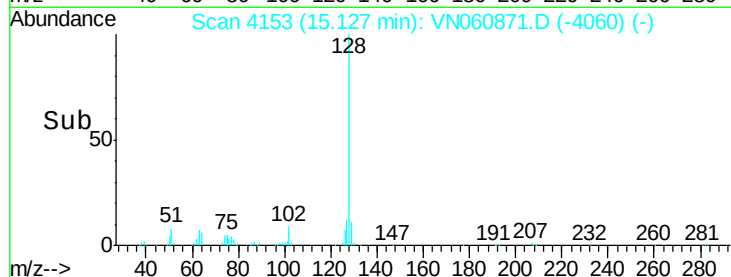
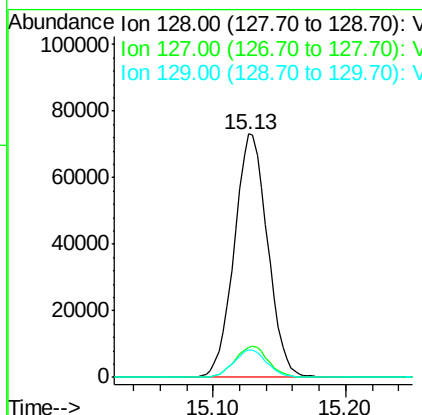
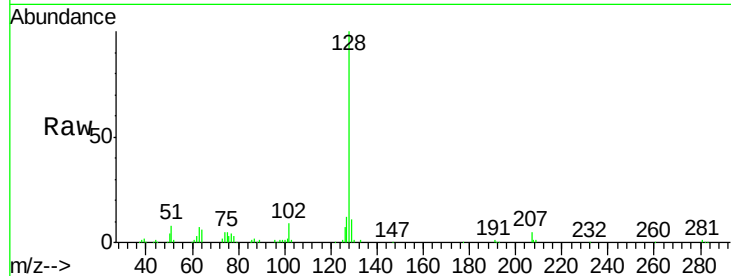
#95
Naphthalene
Concen: 16.607 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0407WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	127652		
127	12.7	10.2	15.2	
129	11.0	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
4/8/2020 9:39:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.540 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060871.D
Acq: 7 Apr 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46670		
182	91.8	47.5	142.6	
145	31.5	16.3	48.8	

