

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060438.D
 Acq On : 11 Mar 2020 10:29
 Operator : JC/MD
 Sample : VN0311WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0311WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:45:29 PM

Quant Time: Mar 12 03:53:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124401	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.56	113	92953	61.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.14%	
50) Toluene-d8	10.08	98	358239	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.40	95	133072	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27339	14.825	ug/l	99
3) Chloromethane	2.04	50	49284	15.351	ug/l	99
4) Vinyl Chloride	2.16	62	41368	15.024	ug/l	99
5) Bromomethane	2.54	94	18242	14.766	ug/l	98
6) Chloroethane	2.68	64	22888	15.342	ug/l	95
7) Trichlorofluoromethane	3.00	101	55779	15.856	ug/l	99
8) Diethyl Ether	3.38	74	22555	16.981	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33574	16.863	ug/l	99
10) Methyl Iodide	3.93	142	25575	14.075	ug/l	99
11) Tert butyl alcohol	4.73	59	35897	93.683	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	32775	16.911	ug/l	95
13) Acrolein	3.58	56	35246	98.599	ug/l	99
14) Allyl chloride	4.29	41	61771	17.338	ug/l	99
15) Acrylonitrile	4.94	53	95466	94.523	ug/l	98
16) Acetone	3.78	43	80201	96.241	ug/l	100
17) Carbon Disulfide	4.03	76	78010	14.716	ug/l	99
18) Methyl Acetate	4.29	43	50357	18.108	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	124957	17.811	ug/l	100
20) Methylene Chloride	4.52	84	38397	16.778	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34647	16.402	ug/l	97
22) Diisopropyl ether	5.91	45	130903	18.139	ug/l	95
23) Vinyl Acetate	5.86	43	525062	91.560	ug/l	99
24) 1,1-Dichloroethane	5.82	63	73021	17.875	ug/l	99
25) 2-Butanone	6.80	43	129422	96.151	ug/l	99
26) 2,2-Dichloropropane	6.79	77	65418	17.590	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43110	16.245	ug/l	97
28) Bromochloromethane	7.17	49	30629	18.261	ug/l	98
29) Tetrahydrofuran	7.18	42	87225	93.189	ug/l	98
30) Chloroform	7.35	83	73041	17.961	ug/l	99
31) Cyclohexane	7.63	56	63462	17.328	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	63017	17.490	ug/l	99
36) 1,1-Dichloropropene	7.77	75	51685	16.537	ug/l	99
37) Ethyl Acetate	6.90	43	54821	18.525	ug/l	99
38) Carbon Tetrachloride	7.75	117	50517	16.601	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060438.D
 Acq On : 11 Mar 2020 10:29
 Operator : JC/MD
 Sample : VN0311WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0311WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:45:29 PM

Quant Time: Mar 12 03:53:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	58579	15.897	ug/l	96
40) Benzene	8.02	78	158367	17.409	ug/l	100
41) Methacrylonitrile	7.14	41	24468	17.906	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58518	17.827	ug/l	99
43) Isopropyl Acetate	8.14	43	96694	18.664	ug/l	99
44) Trichloroethene	8.82	130	42603	16.816	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44216	18.591	ug/l	97
46) Dibromomethane	9.19	93	26801	17.367	ug/l	99
47) Bromodichloromethane	9.39	83	56932	18.139	ug/l	99
48) Methyl methacrylate	9.18	41	40917	17.319	ug/l	99
49) 1,4-Dioxane	9.18	88	12378	372.565	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	280060	95.341	ug/l	99
52) Toluene	10.14	92	98620	17.259	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65930	17.143	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	70517	17.695	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	39847	17.341	ug/l	98
56) Ethyl methacrylate	10.42	69	58135	17.610	ug/l	96
57) 1,3-Dichloropropane	10.70	76	67849	18.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	156974	90.915	ug/l	98
59) 2-Hexanone	10.74	43	198904	92.224	ug/l	99
60) Dibromochloromethane	10.89	129	41838	17.903	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39452	17.612	ug/l	98
64) Tetrachloroethene	10.62	164	43583	17.577	ug/l	96
65) Chlorobenzene	11.43	112	102796	17.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39996	17.898	ug/l	99
67) Ethyl Benzene	11.50	91	190603	17.318	ug/l	99
68) m/p-Xylenes	11.62	106	138609	33.379	ug/l	98
69) o-Xylene	11.94	106	68553	17.312	ug/l	98
70) Styrene	11.96	104	108260	16.628	ug/l	99
71) Bromoform	12.12	173	28844	17.909	ug/l #	100
73) Isopropylbenzene	12.24	105	185134	17.529	ug/l	99
74) N-amyl acetate	12.06	43	81332	17.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54204	18.880	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	51913m	16.605	ug/l	
77) Bromobenzene	12.52	156	43899	16.956	ug/l	97
78) n-propylbenzene	12.59	91	212486	17.163	ug/l	99
79) 2-Chlorotoluene	12.67	91	127215	17.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	155183	17.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20003	17.662	ug/l #	85
82) 4-Chlorotoluene	12.77	91	130572	17.030	ug/l	97
83) tert-Butylbenzene	12.99	119	130081	16.895	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	152315	16.970	ug/l	99
85) sec-Butylbenzene	13.17	105	175933	17.064	ug/l	99
86) p-Isopropyltoluene	13.28	119	158328	16.592	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	78748	17.578	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78923	17.619	ug/l	99
89) n-Butylbenzene	13.61	91	139449	15.919	ug/l	99
90) Hexachloroethane	13.87	117	21532	15.589	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	76021	16.758	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10694	16.449	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
Data File : VN060438.D
Acq On : 11 Mar 2020 10:29
Operator : JC/MD
Sample : VN0311WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM

Quant Time: Mar 12 03:53:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46137	16.066	ug/l	99
94) Hexachlorobutadiene	15.01	225	23607	17.443	ug/l	98
95) Naphthalene	15.13	128	133307	15.513	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44965	16.441	ug/l	99

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

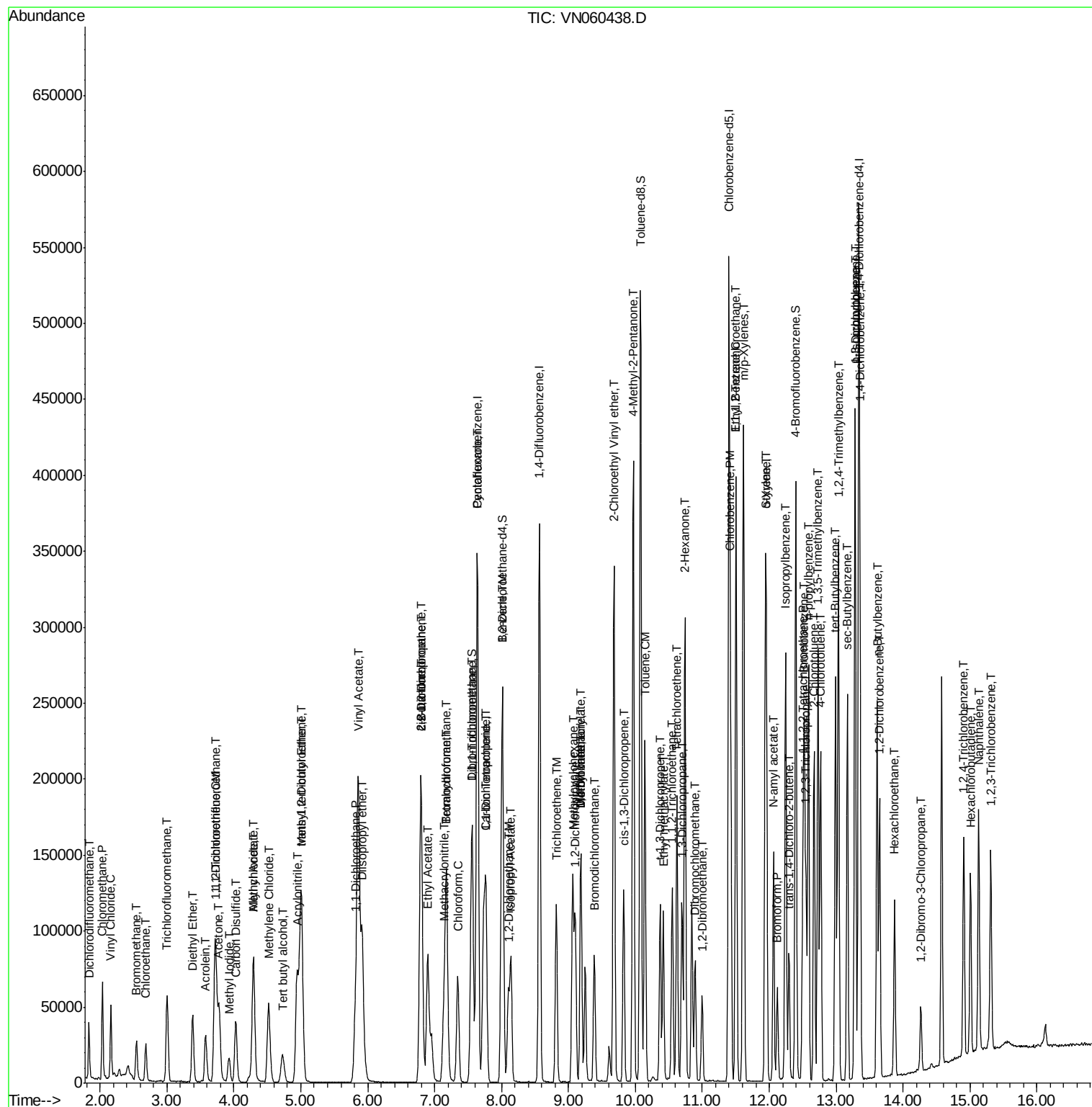
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060438.D
 Acq On : 11 Mar 2020 10:29
 Operator : JC/MD
 Sample : VN0311WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

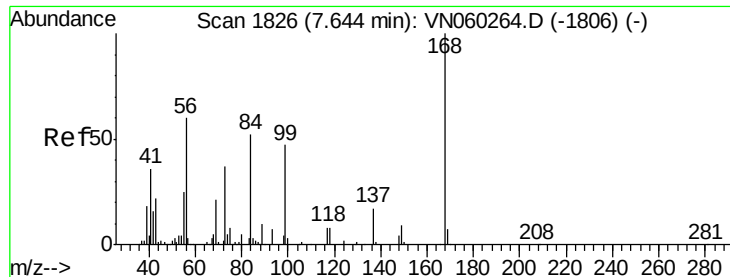
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:45:29 PM

Quant Time: Mar 12 03:53:01 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

Tot Ion:168 Resp: 201131

Ion Ratio Lower Upper

168 100

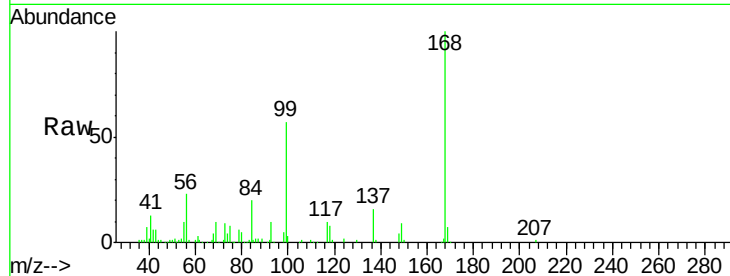
99 56.6 44.7 67.1

Manual Integrations

APPROVED

MMDadoda

3/12/2020 2:45:29 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

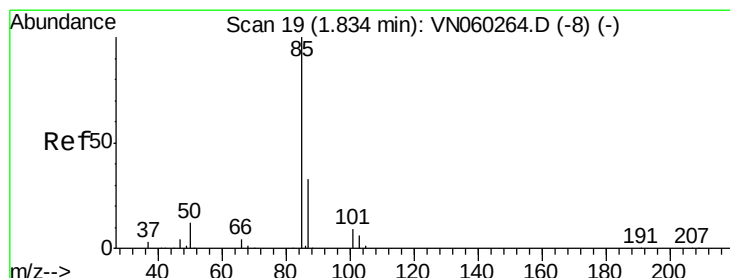
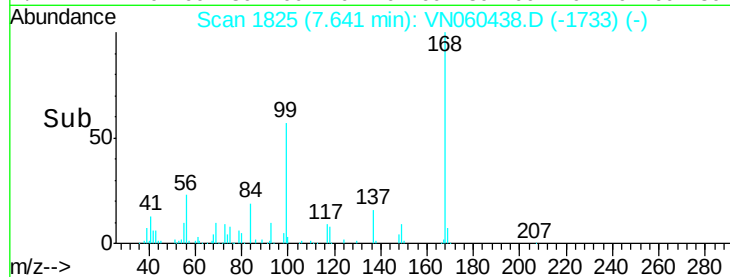
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.825 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060438.D

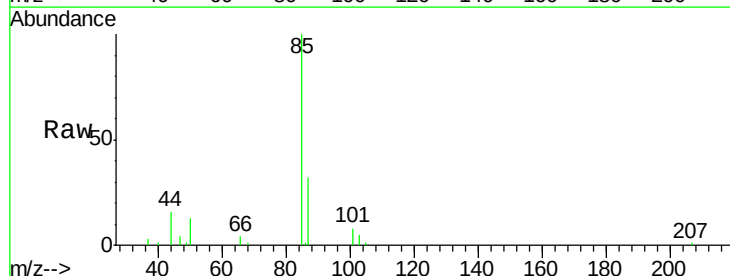
Acq: 11 Mar 2020 10:29

Tgt Ion: 85 Resp: 27339

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

20000

15000

10000

5000

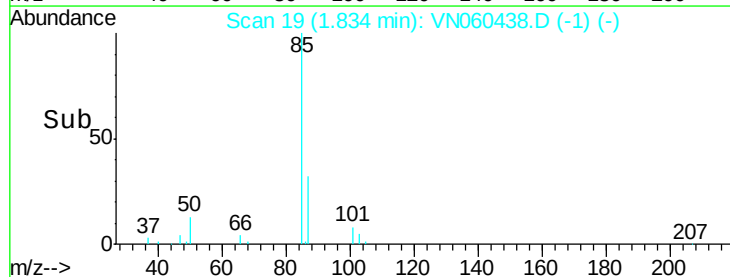
0

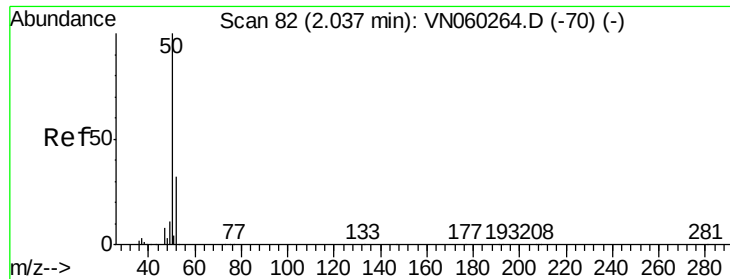
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 15.351 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

Tot Ion: 50 Resp: 49284

Ion Ratio Lower Upper

50 100

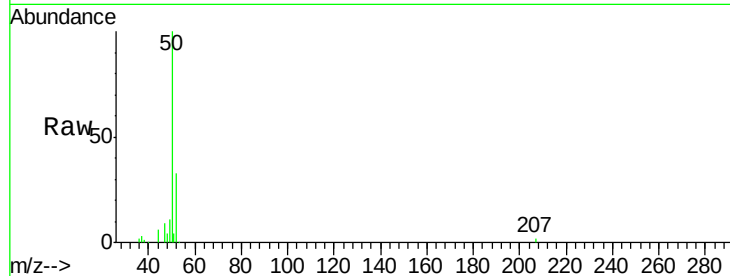
52 32.5 25.6 38.4

Manual Integrations

APPROVED

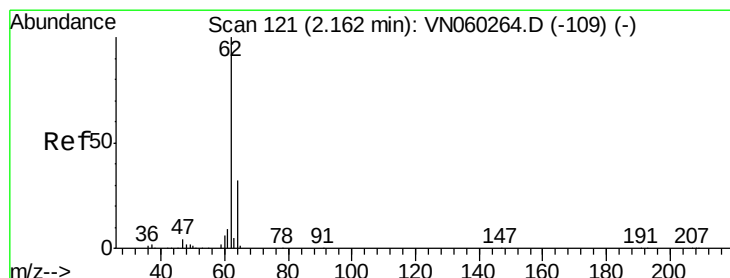
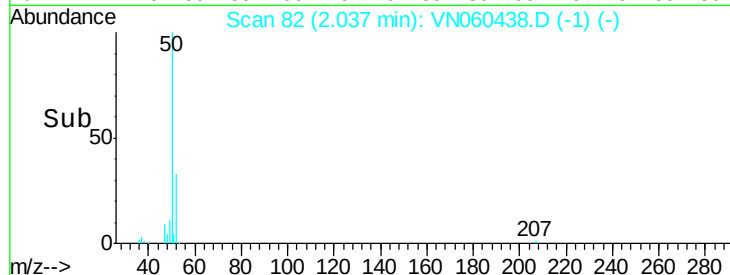
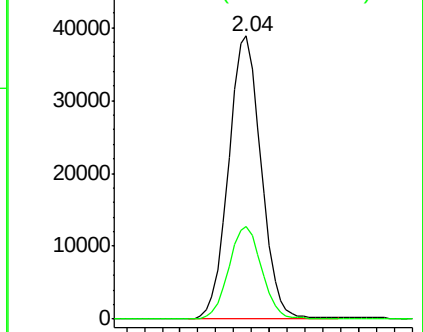
MMDadoda

3/12/2020 2:45:29 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.024 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060438.D

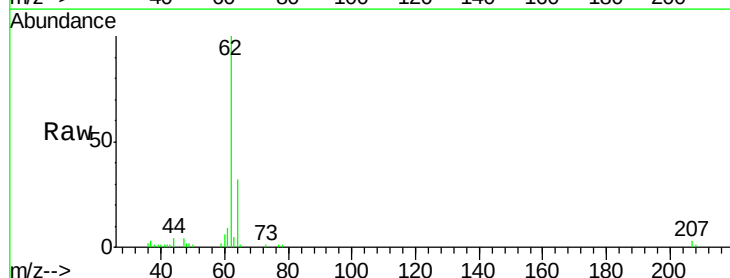
Acq: 11 Mar 2020 10:29

Tgt Ion: 62 Resp: 41368

Ion Ratio Lower Upper

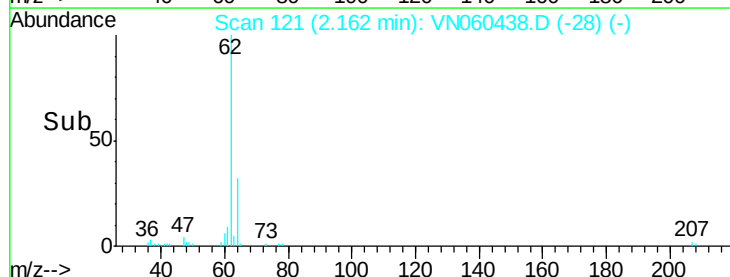
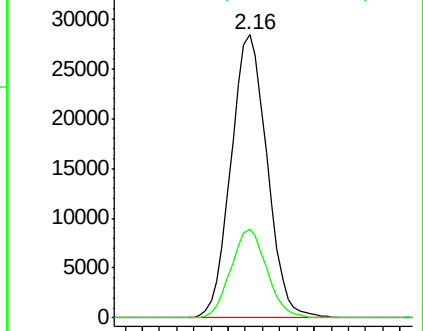
62 100

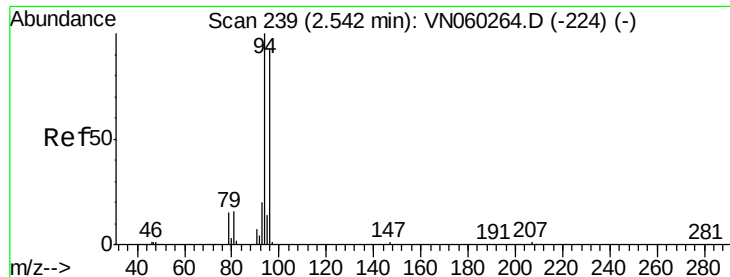
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.766 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

Tot Ion: 94 Resp: 18242

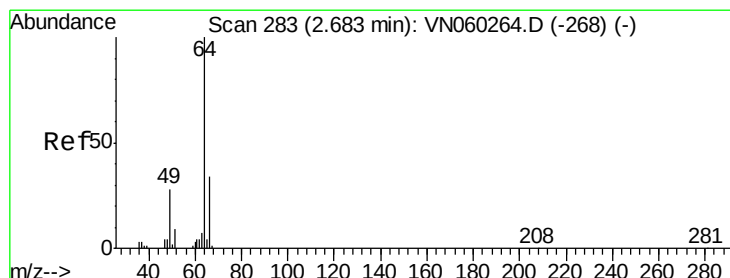
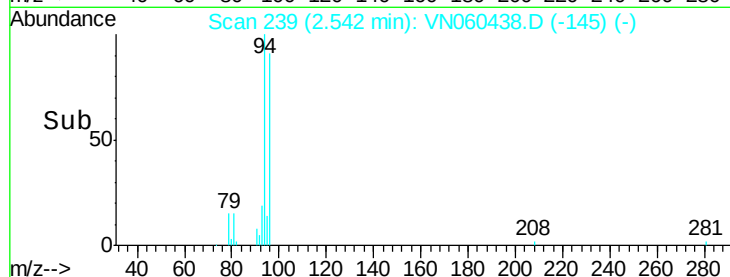
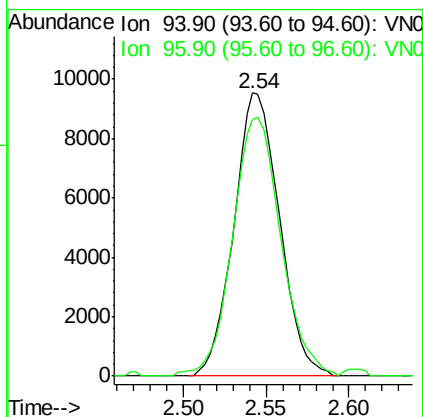
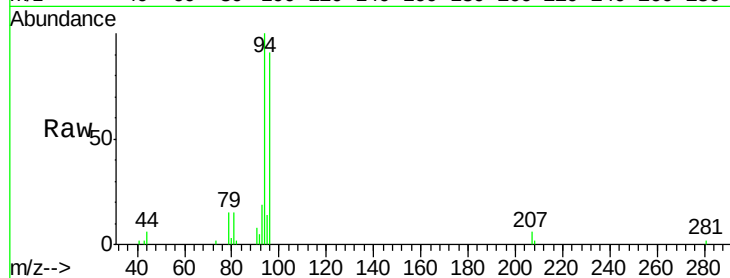
Ion Ratio Lower Upper

94 100

96 90.7 74.3 111.5

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#6

Chloroethane

Concen: 15.342 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060438.D

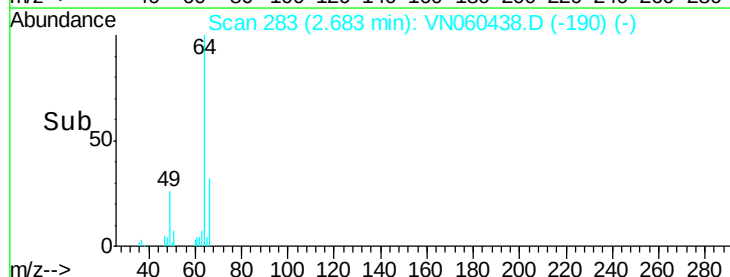
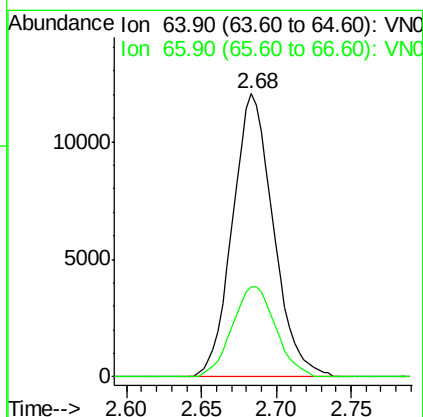
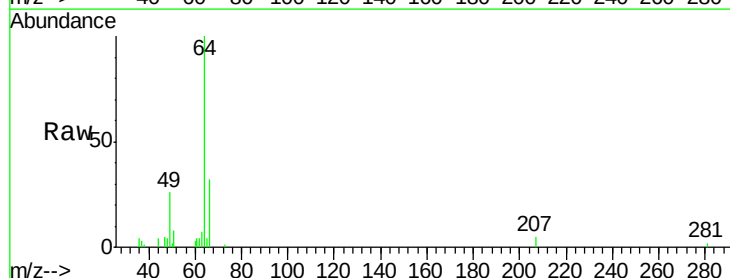
Acq: 11 Mar 2020 10:29

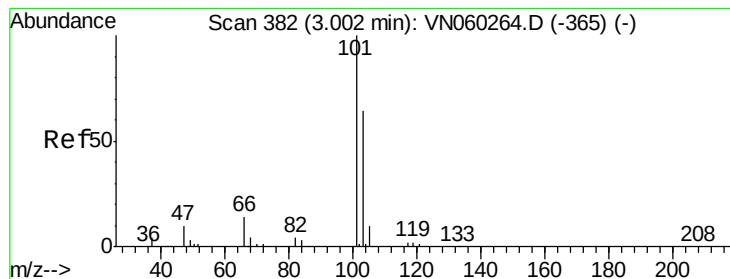
Tgt Ion: 64 Resp: 22888

Ion Ratio Lower Upper

64 100

66 31.7 27.4 41.2





#7

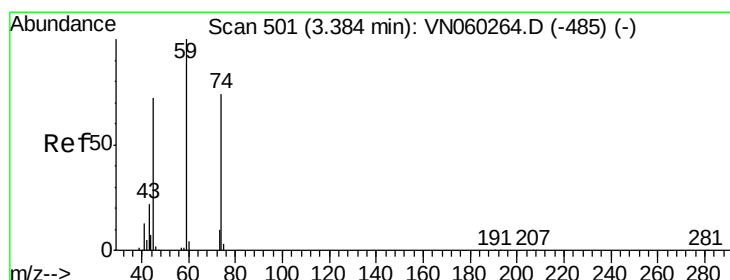
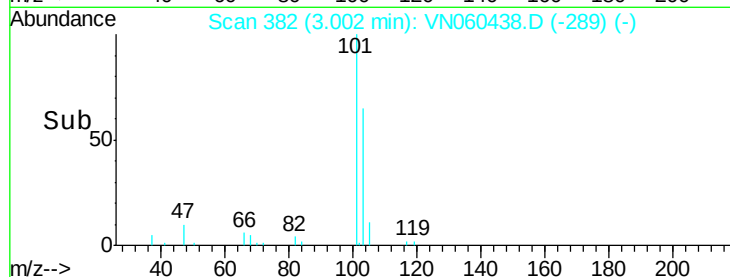
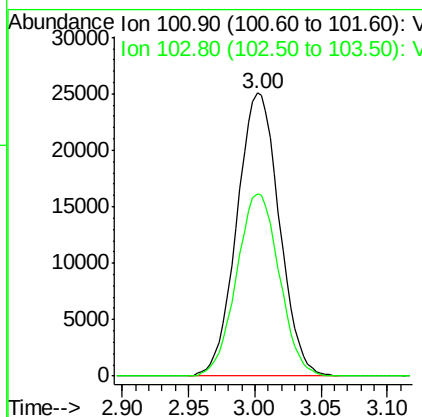
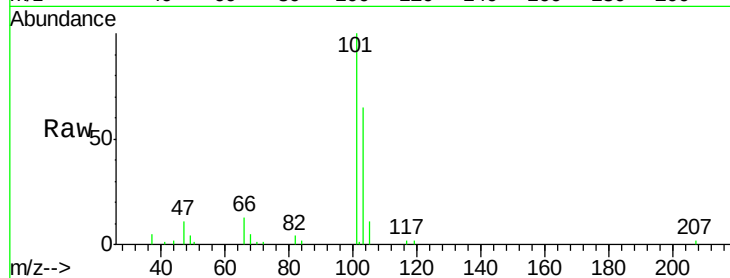
Trichlorofluoromethane
 Concen: 15.856 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		55779		
103	64.5	51.3	76.9		

Manual Integrations
 APPROVED

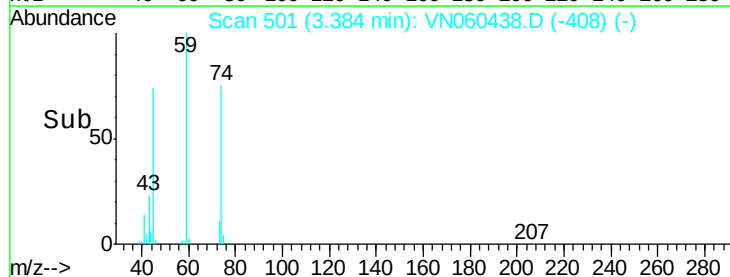
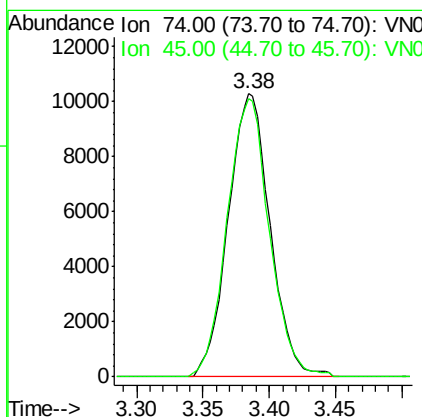
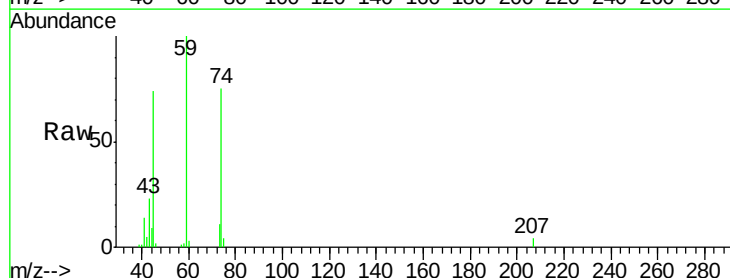
MMDadoda
 3/12/2020 2:45:29 PM

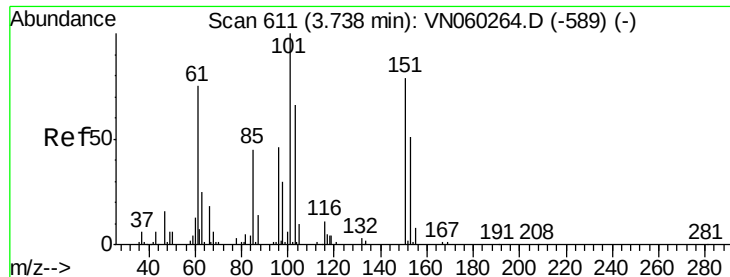


#8

Diethyl Ether
 Concen: 16.981 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22555		
45	99.3	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.863 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

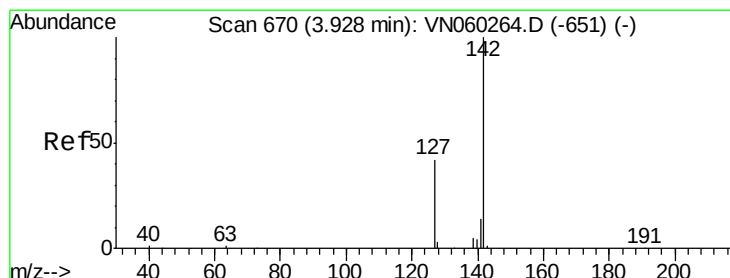
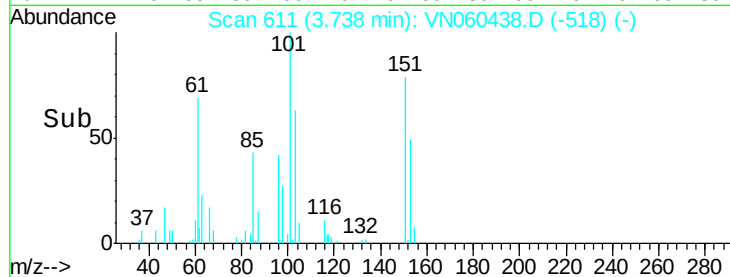
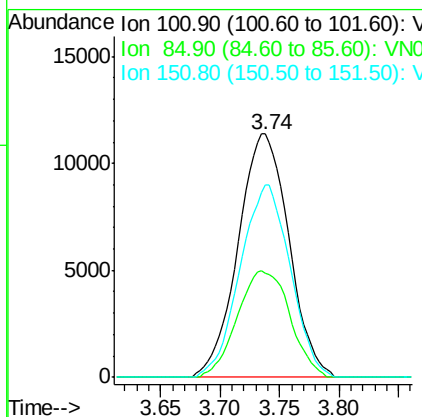
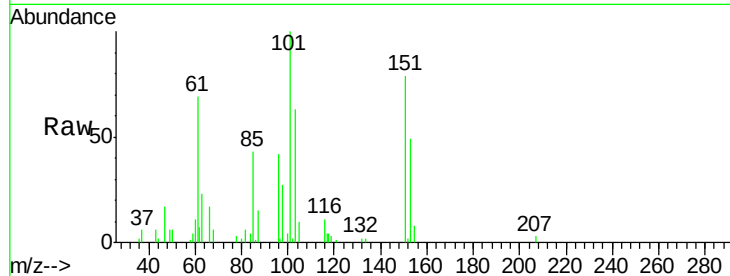
ClientSampled :

VN0311WBS01

Tot Ion:	101	Resp:	33574
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.4	53.2
151	78.0	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#10

Methyl Iodide

Concen: 14.075 ug/l

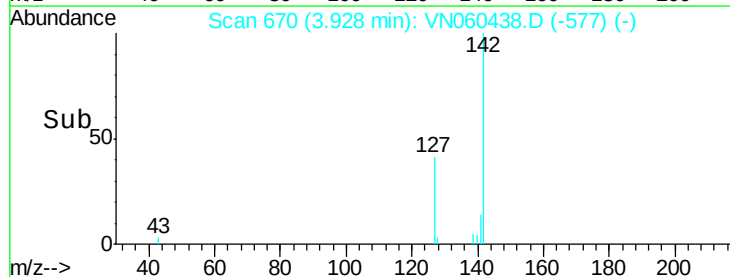
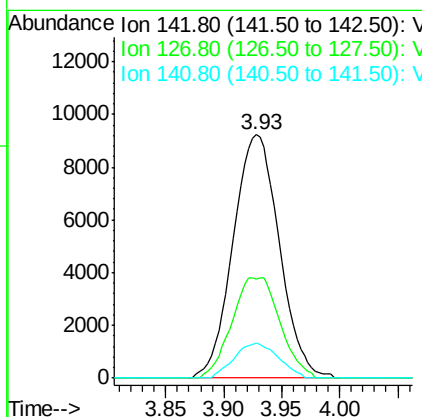
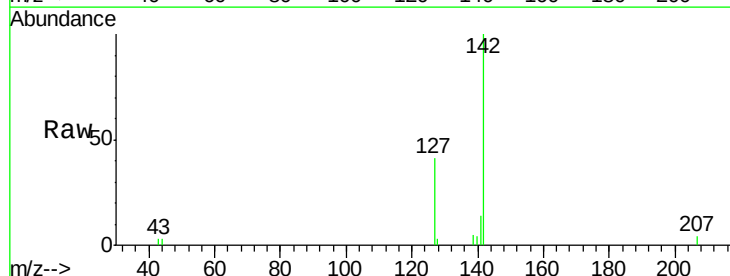
RT: 3.93 min Scan# 670

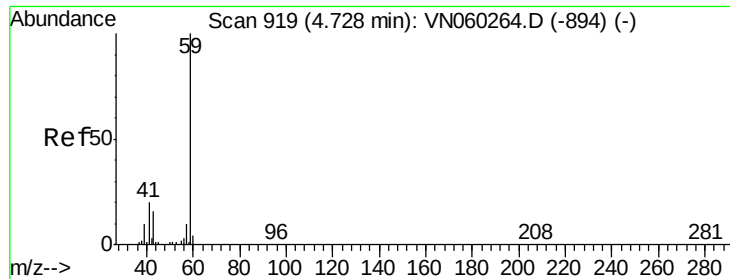
Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:	142	Resp:	25575
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	13.7	11.1	16.7





#11

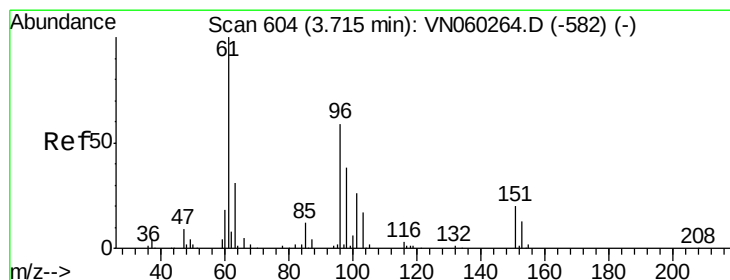
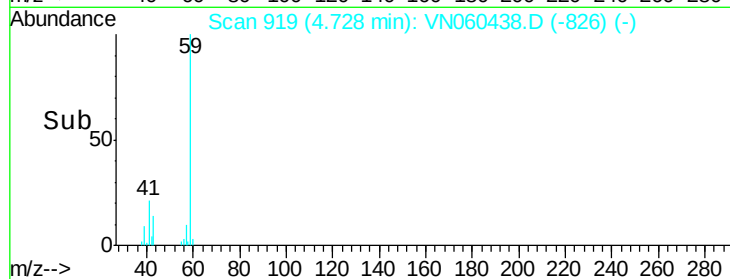
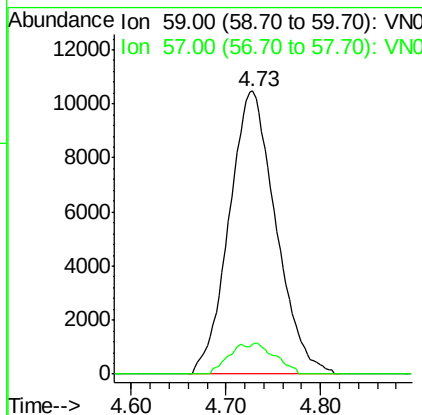
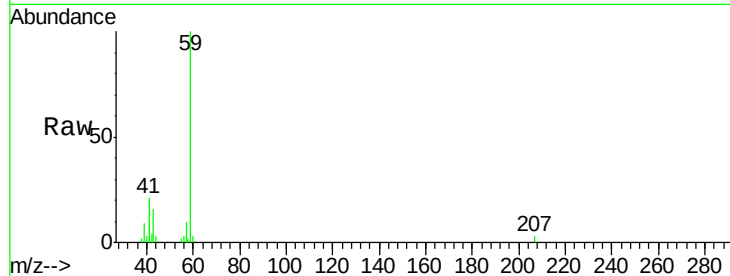
Tert butyl alcohol
 Concen: 93.683 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	8.2	12.2#

Manual Integrations
 APPROVED

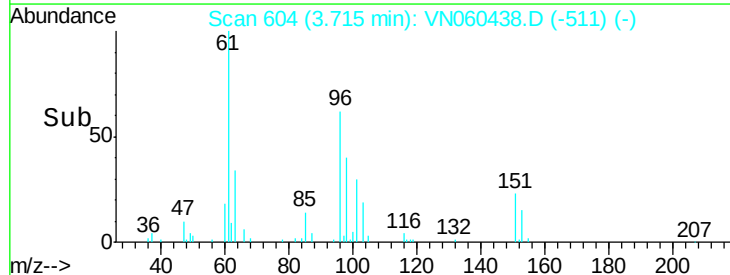
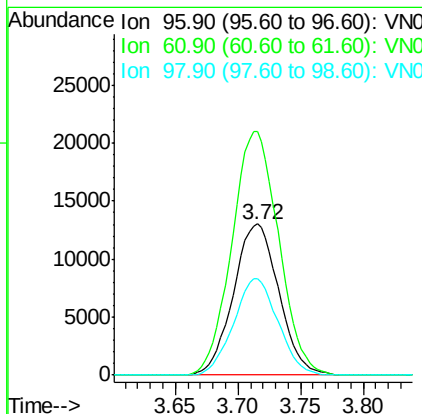
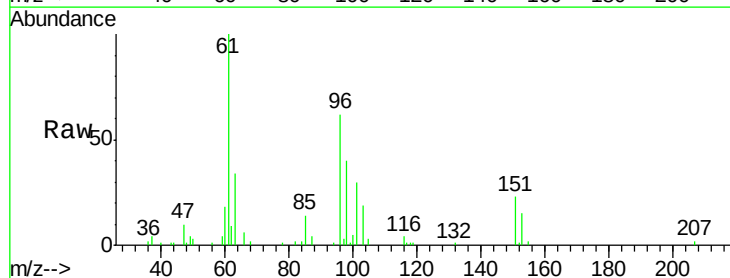
MMDadoda
 3/12/2020 2:45:29 PM

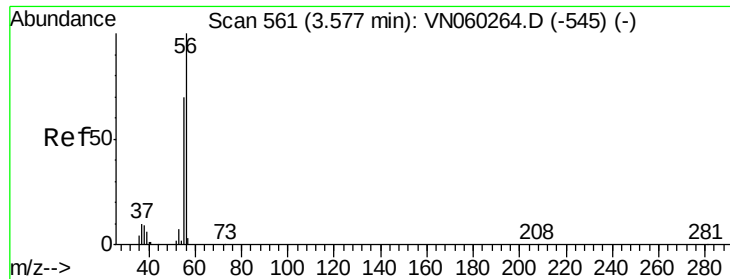


#12

1,1-Dichloroethene
 Concen: 16.911 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	135.4	203.0
98	63.7	51.6	77.4





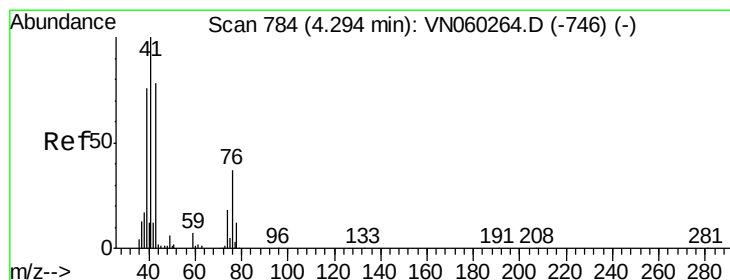
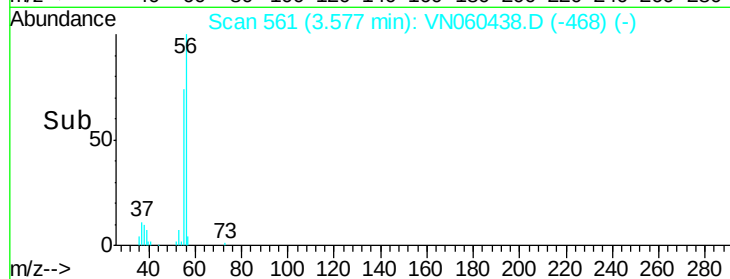
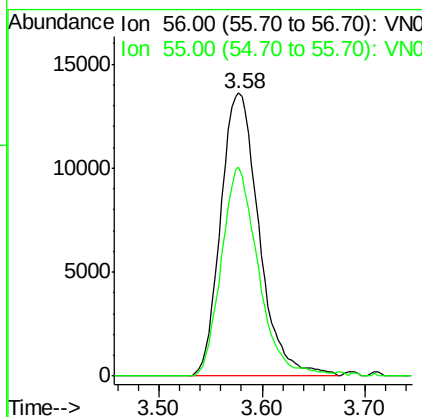
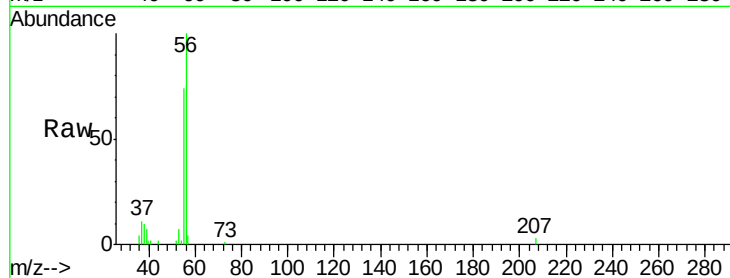
#13
Acrolein
Concen: 98.599 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	56	Resp	35246
Ion Ratio	Lower	Upper	
56	100		
55	71.0	57.4	86.0

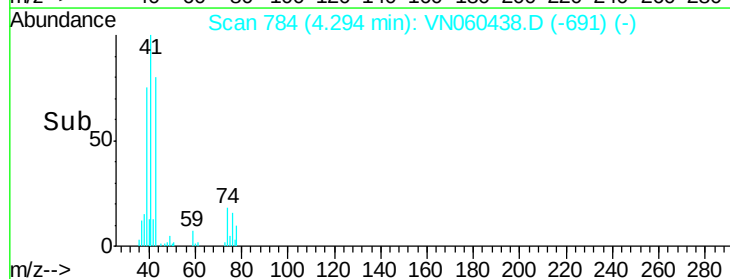
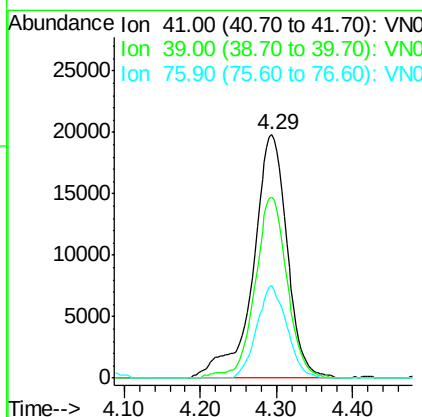
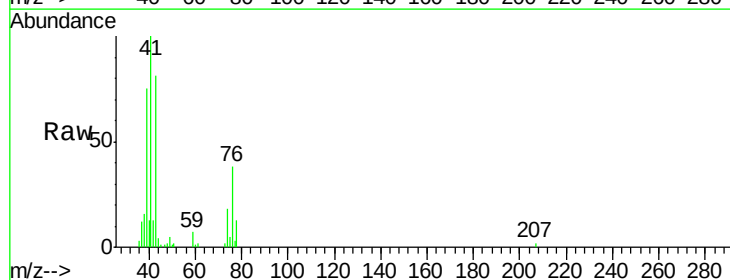
Manual Integrations
APPROVED

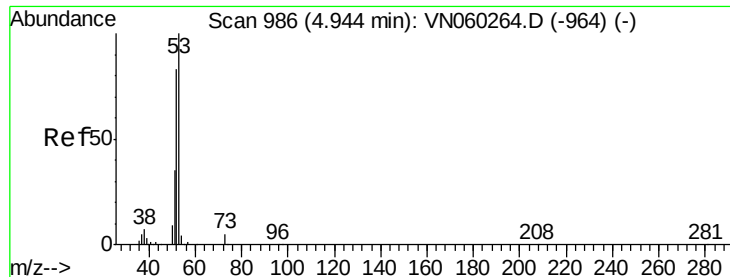
MMDadoda
3/12/2020 2:45:29 PM



#14
Allyl chloride
Concen: 17.338 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	41	Resp	61771
Ion Ratio	Lower	Upper	
41	100		
39	70.0	55.4	83.2
76	33.4	27.0	40.6





#15

Acrylonitrile

Concen: 94.523 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

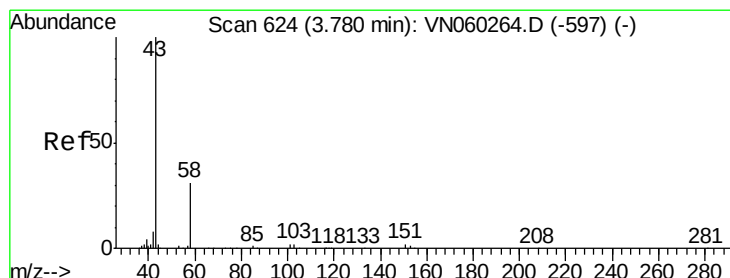
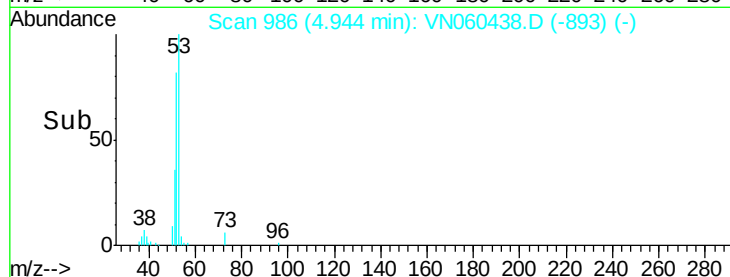
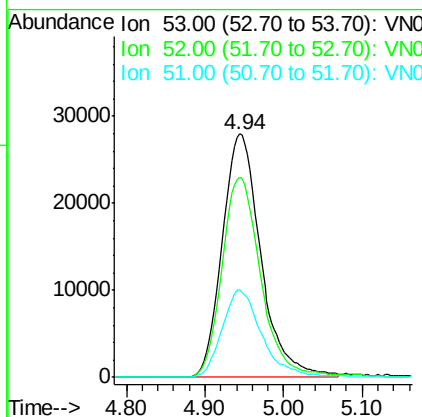
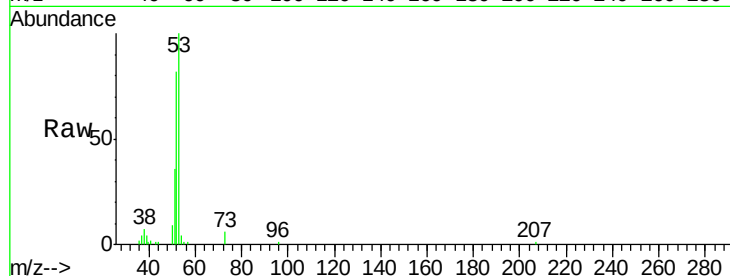
ClientSampleId :

VN0311WBS01

Tot Ion:	53	Resp:	95466
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	36.9	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#16

Acetone

Concen: 96.241 ug/l

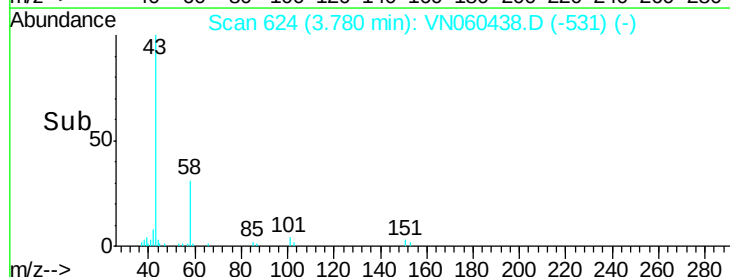
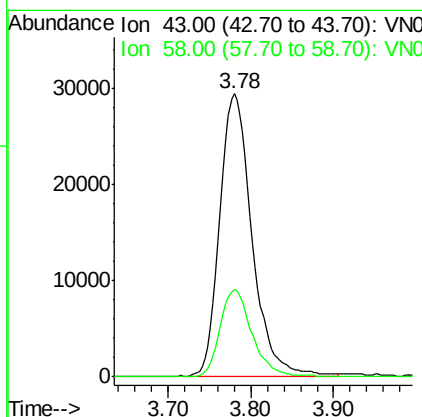
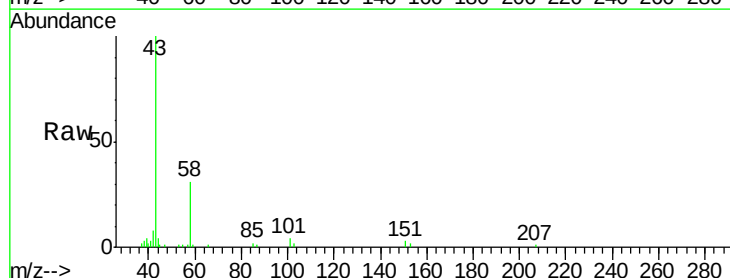
RT: 3.78 min Scan# 624

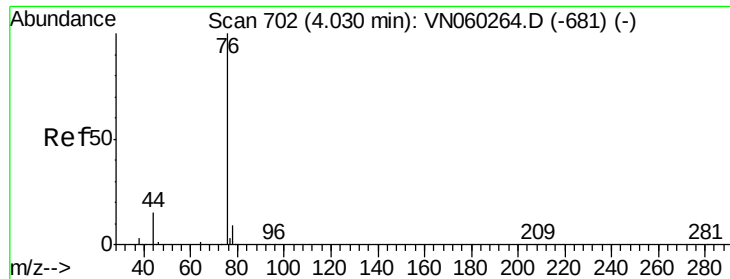
Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:	43	Resp:	80201
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	36.8





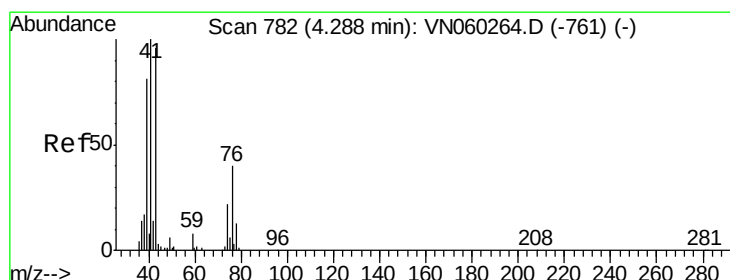
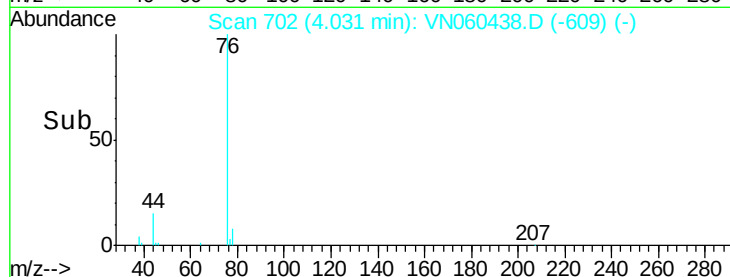
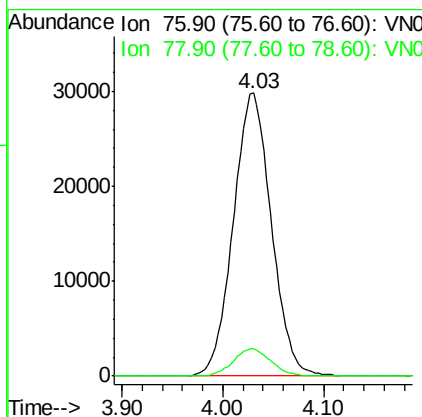
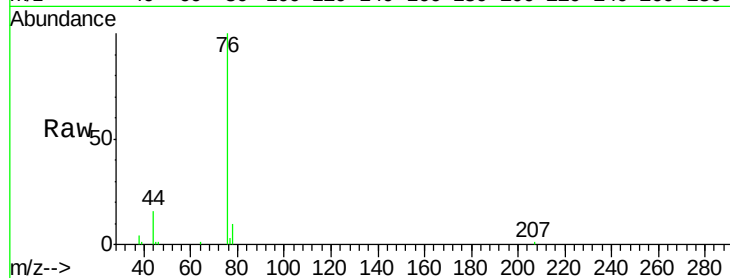
#17
Carbon Disulfide
Concen: 14.716 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

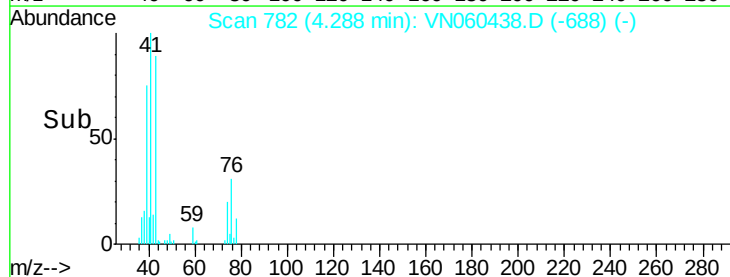
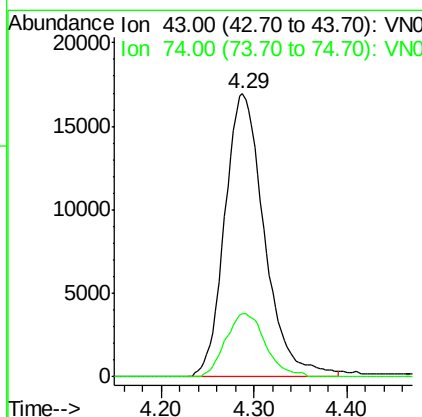
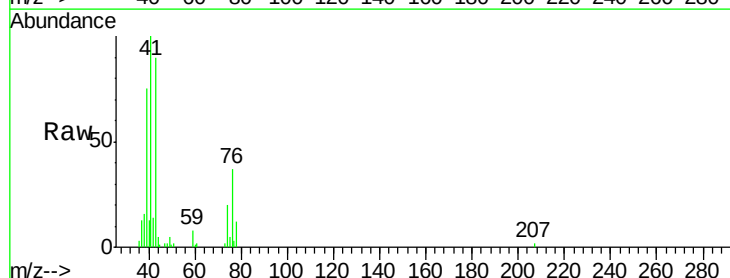
Manual Integrations
APPROVED

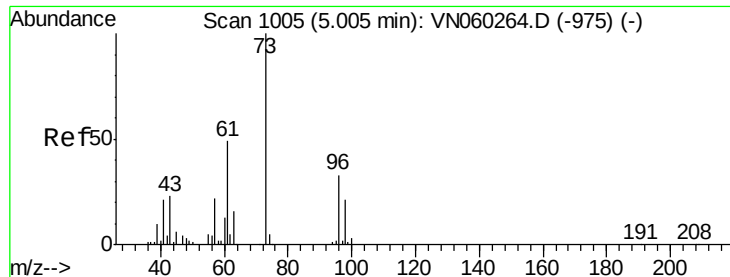
MMDadoda
3/12/2020 2:45:29 PM



#18
Methyl Acetate
Concen: 18.108 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.8	28.2





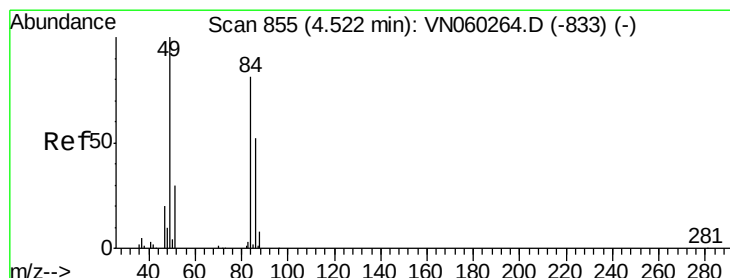
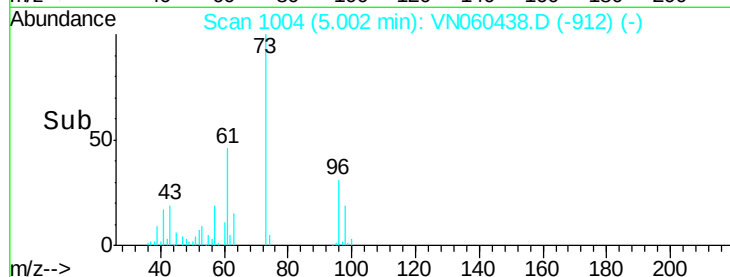
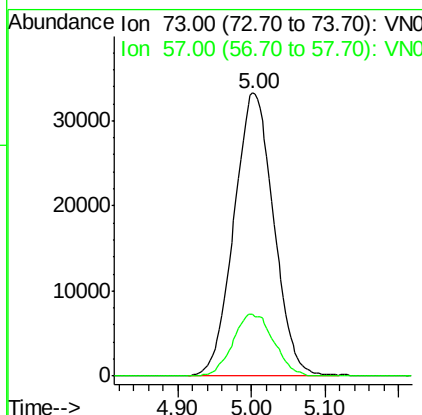
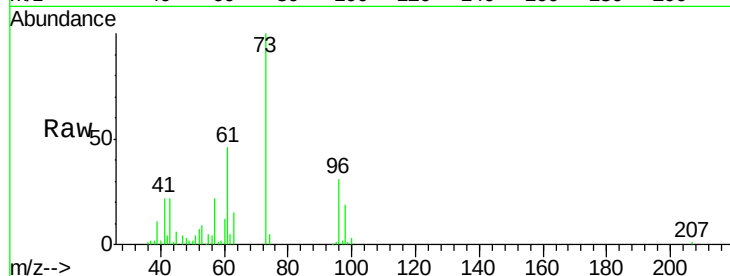
#19
Methyl tert-butyl Ether
Concen: 17.811 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

Tot Ion: 73 Resp: 124957
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9

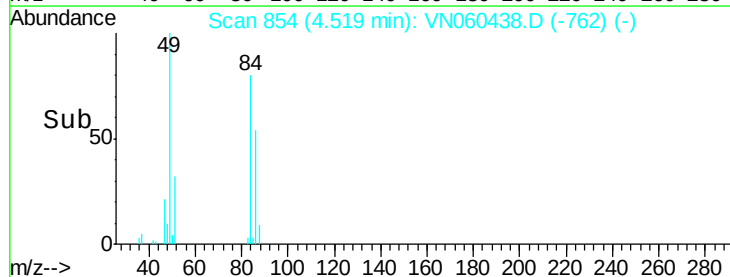
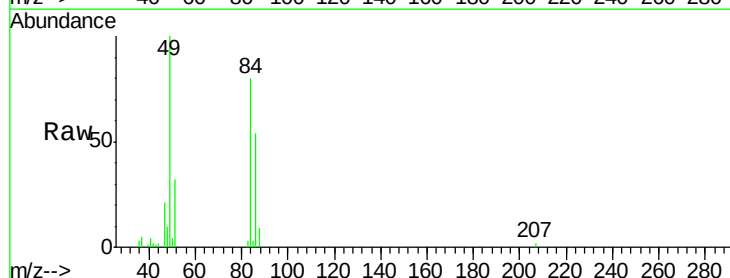
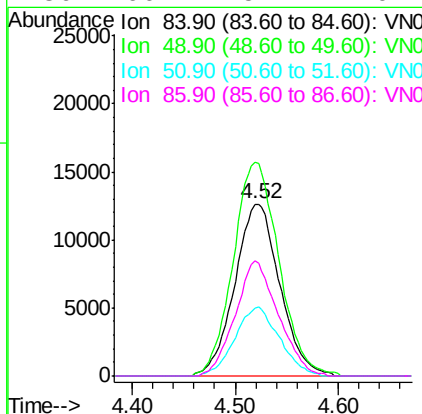
Manual Integrations
APPROVED

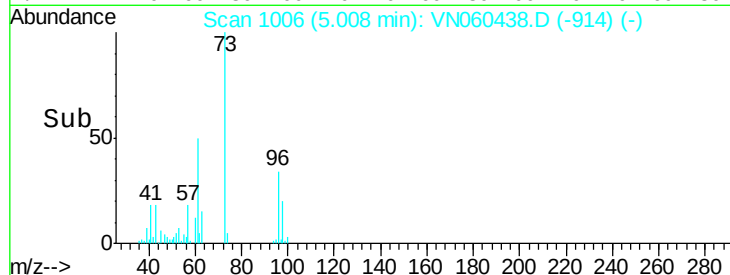
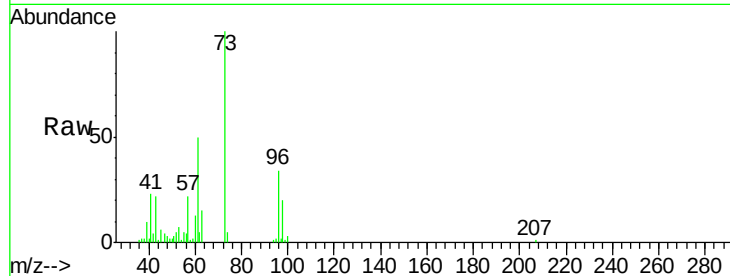
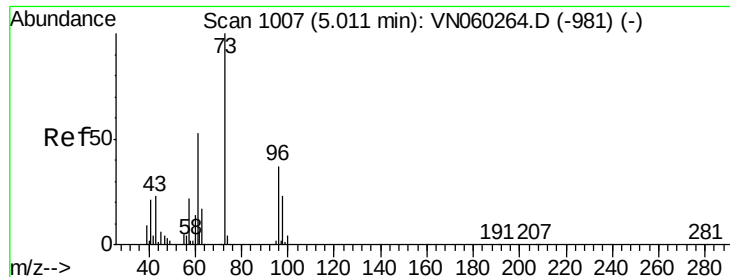
MMDadoda
3/12/2020 2:45:29 PM



#20
Methylene Chloride
Concen: 16.778 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 84 Resp: 38397
Ion Ratio Lower Upper
84 100
49 124.3 99.3 148.9
51 39.8 30.1 45.1
86 66.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 16.402 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tot Ion:	96	Resp:	34647
Ion Ratio	Lower	Upper	
96	100		
61	146.7	113.8	170.8
98	59.2	48.8	73.2

Instrument :

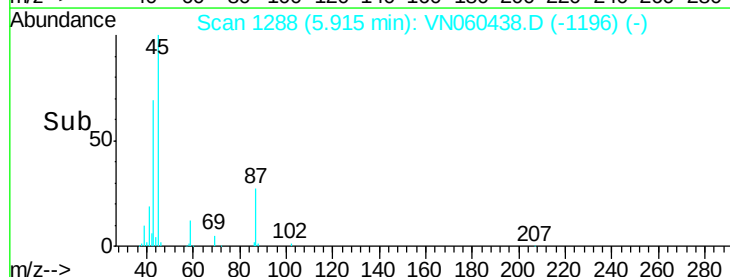
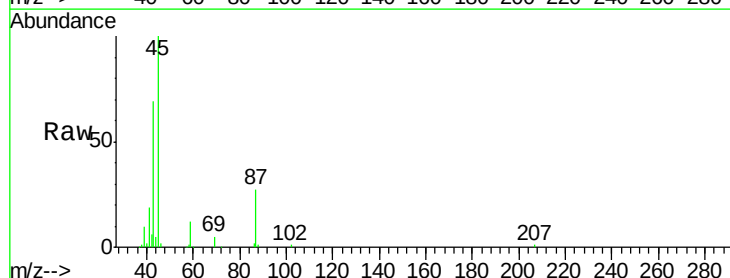
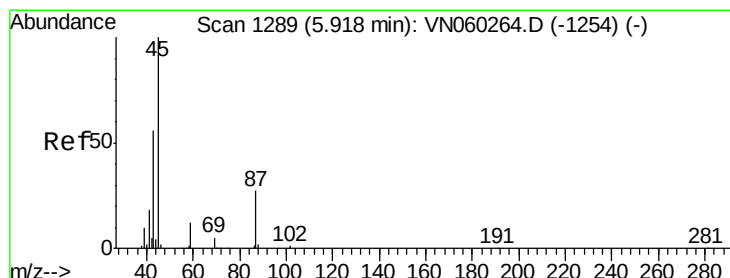
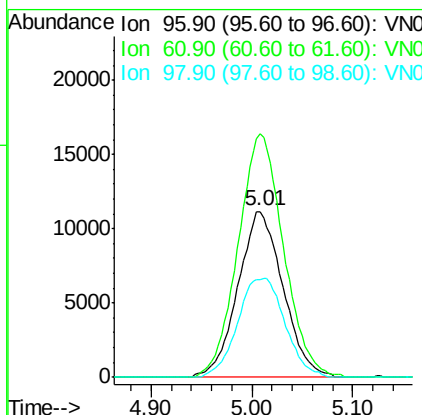
MSVOA_N

ClientSampleId :

VN0311WBS01

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#22

Diisopropyl ether

Concen: 18.139 ug/l

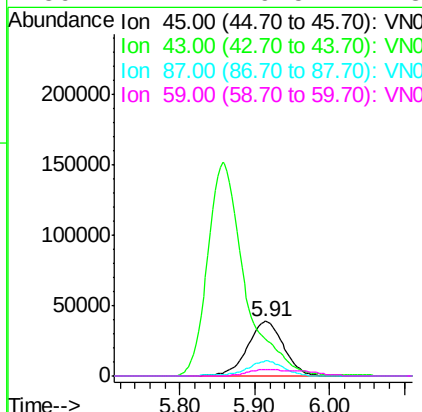
RT: 5.91 min Scan# 1288

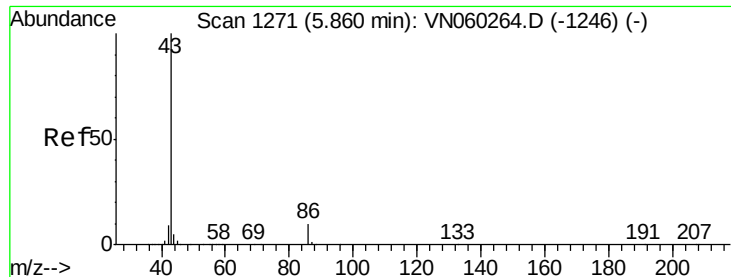
Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:	45	Resp:	130903
Ion Ratio	Lower	Upper	
45	100		
43	66.6	48.6	72.8
87	27.2	22.2	33.2
59	12.4	9.5	14.3





#23

Vinyl Acetate

Concen: 91.560 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampled :

VN0311WBS01

Tot Ion: 43 Resp: 525062

Ion Ratio Lower Upper

43 100

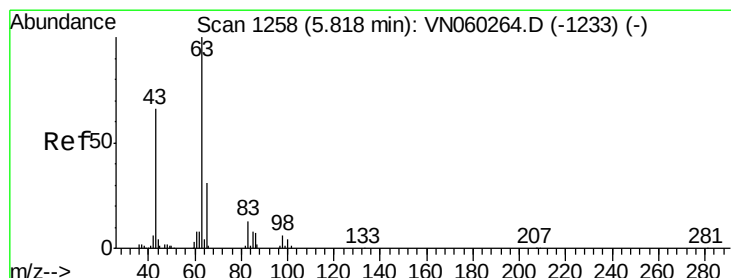
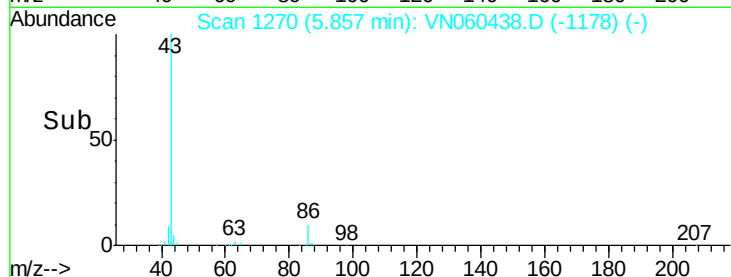
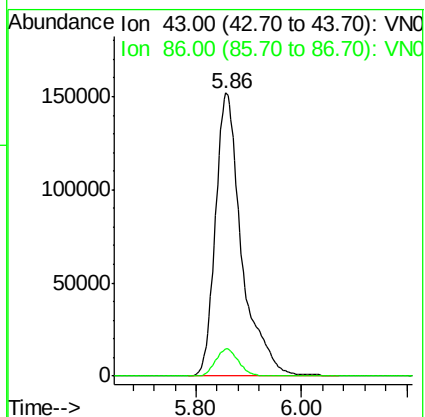
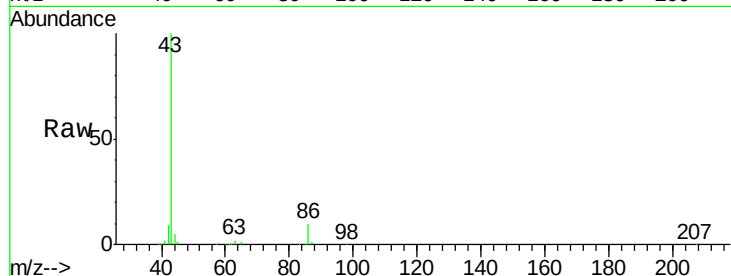
86 9.7 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

3/12/2020 2:45:29 PM



#24

1,1-Dichloroethane

Concen: 17.875 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

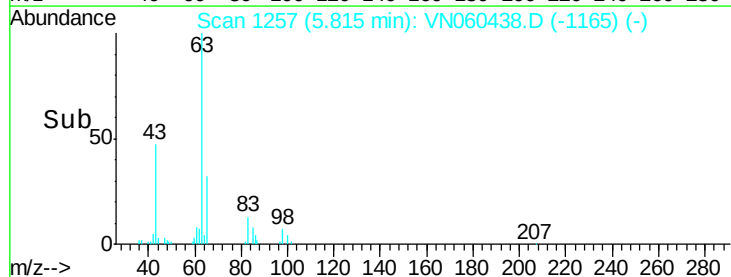
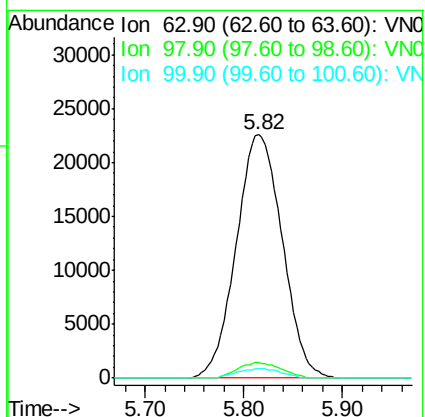
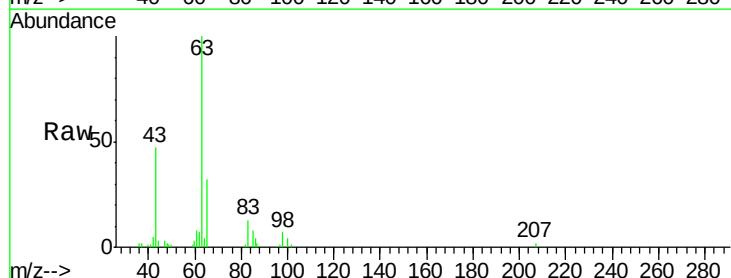
Tgt Ion: 63 Resp: 73021

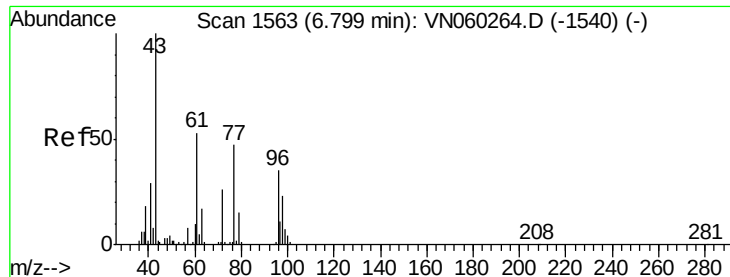
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.0

100 3.9 2.0 6.0





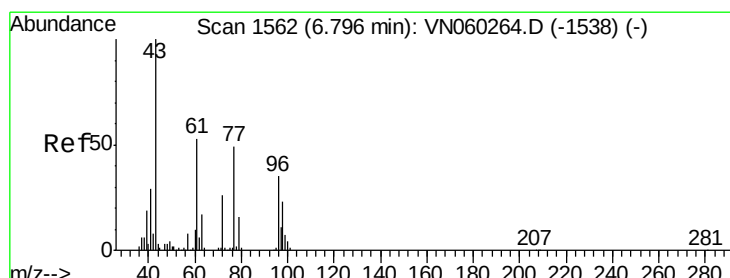
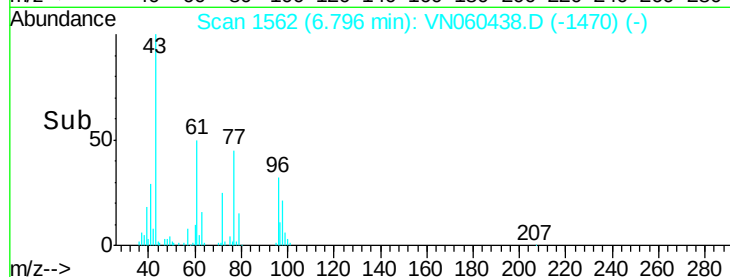
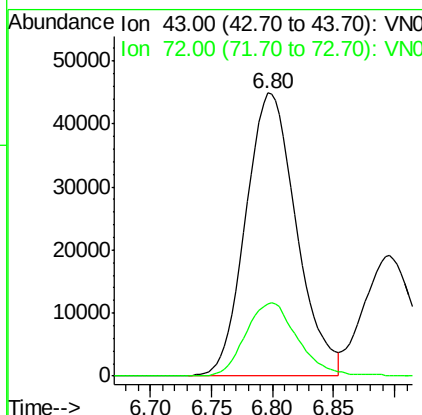
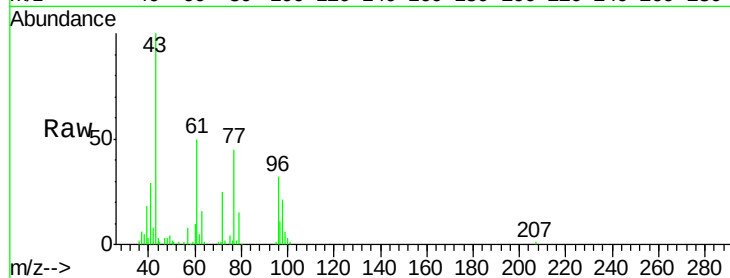
#25
 2-Butanone
 Concen: 96.151 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.9	31.3

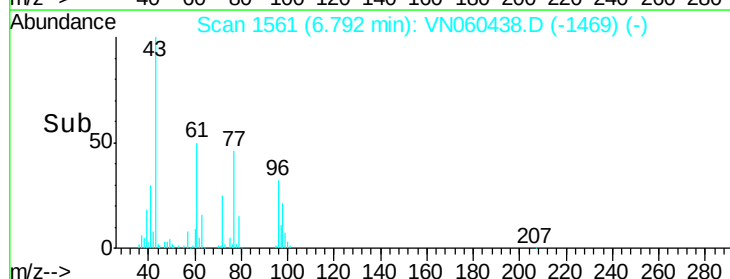
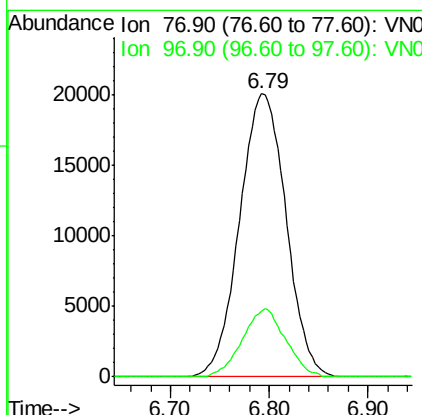
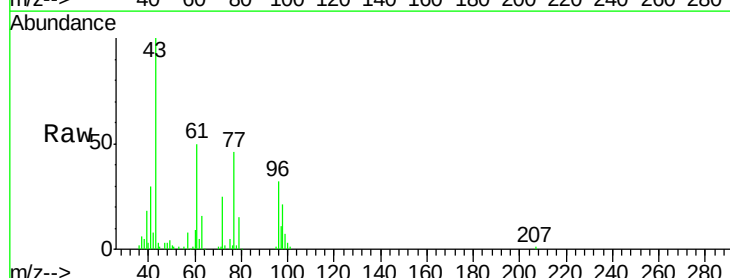
Manual Integrations
 APPROVED

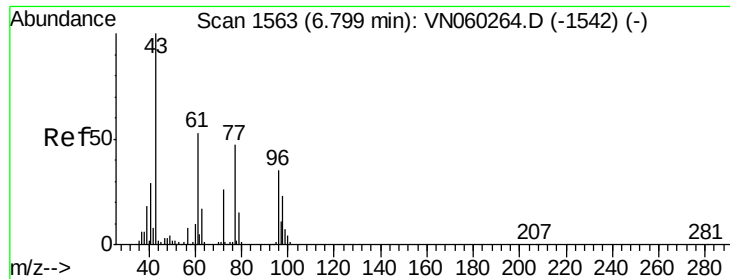
MMDadoda
 3/12/2020 2:45:29 PM



#26
 2,2-Dichloropropane
 Concen: 17.590 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 16.245 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

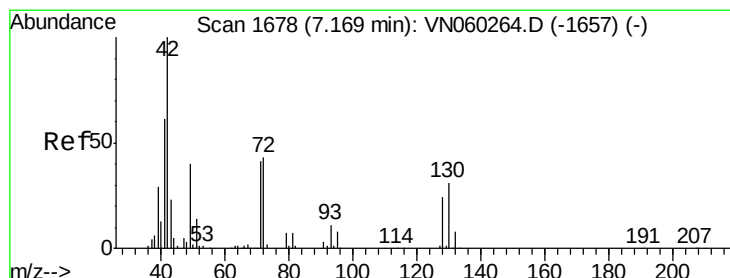
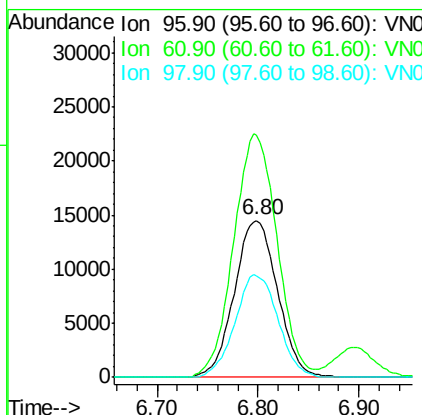
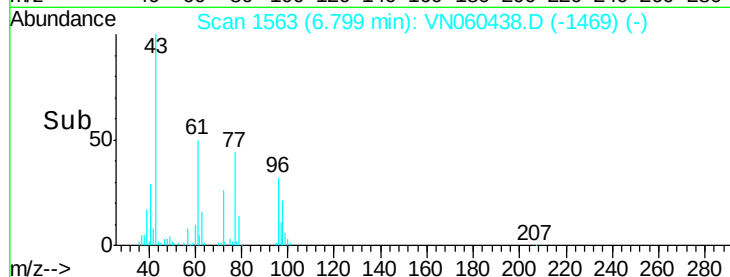
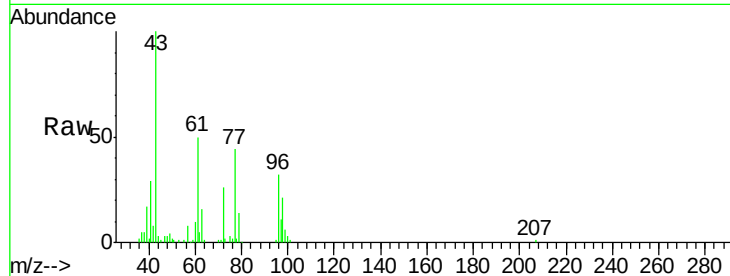
ClientSampled :

VN0311WBS01

Tot Ion:	96	Resp:	43110
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	300.8
98	64.9	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#28

Bromochloromethane

Concen: 18.261 ug/l

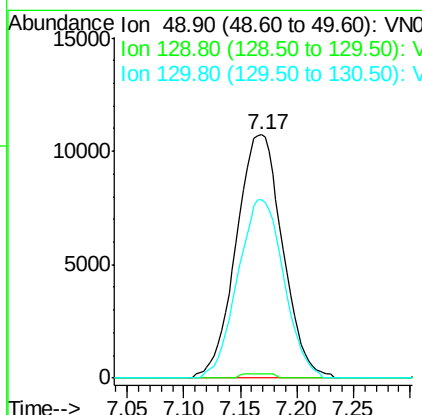
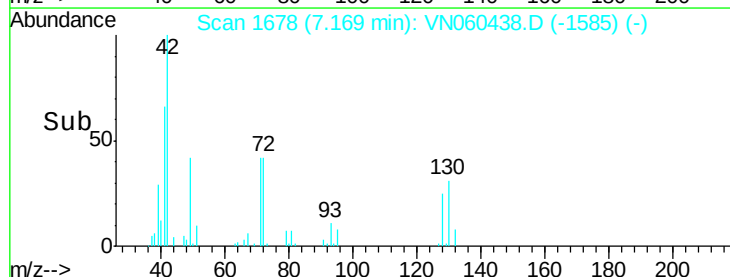
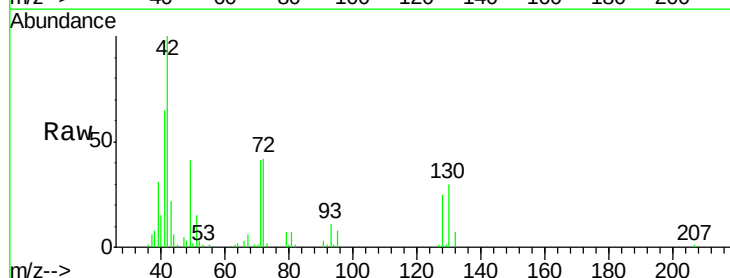
RT: 7.17 min Scan# 1678

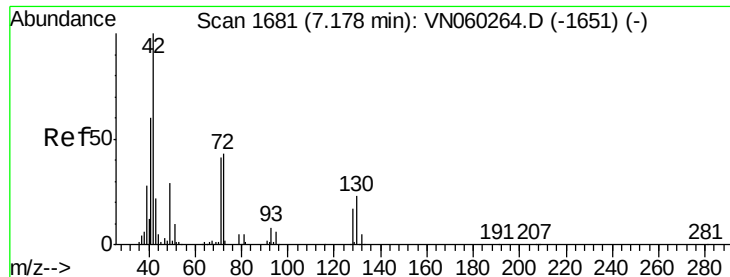
Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:	49	Resp:	30629
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	72.8	59.8	89.8





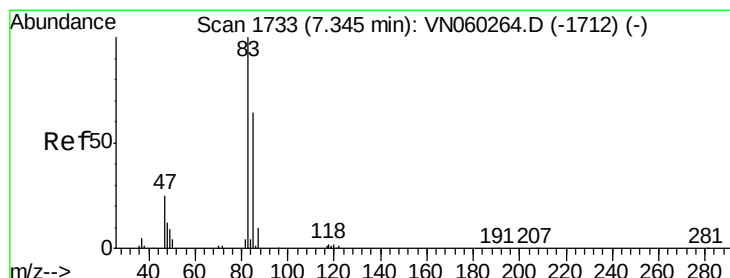
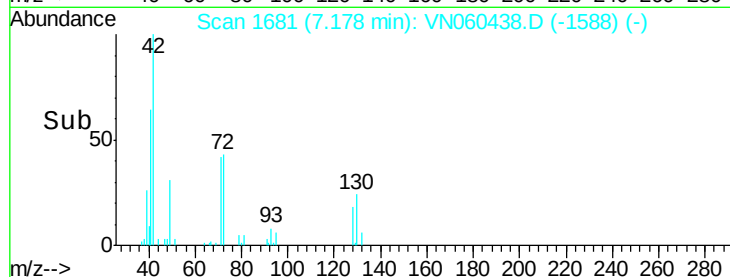
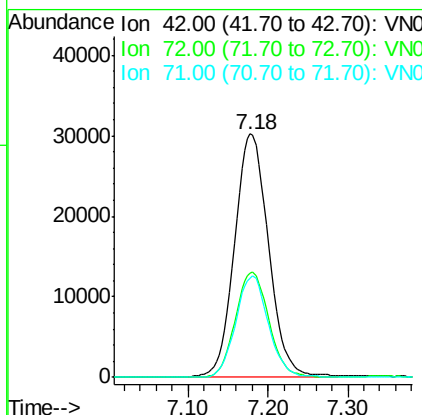
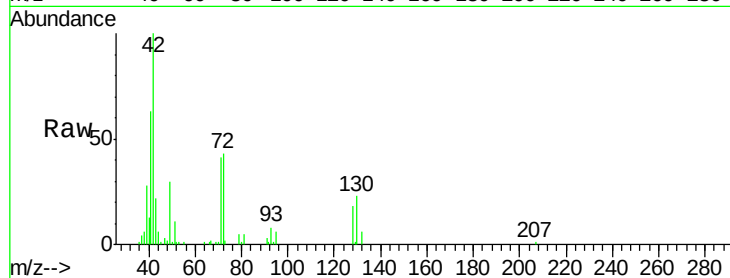
#29
Tetrahydrofuran
Concen: 93.189 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.6	52.0
71	39.6	32.9	49.3

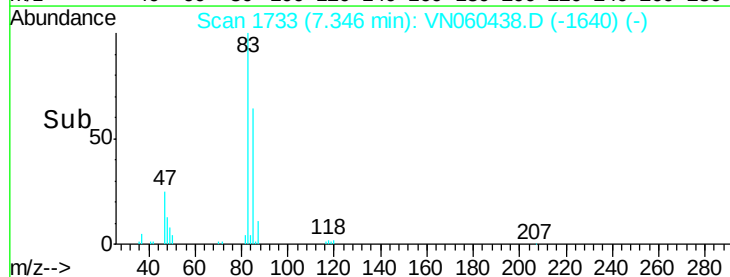
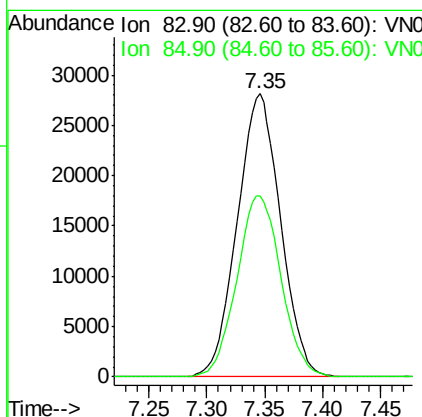
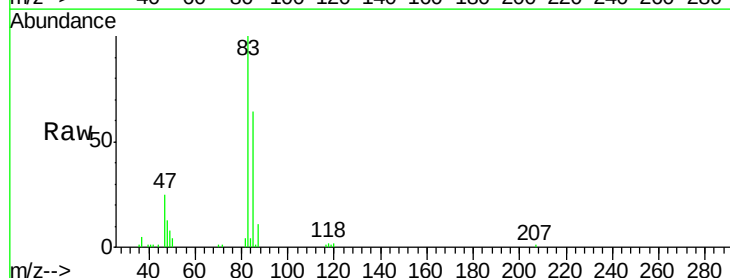
Manual Integrations
APPROVED

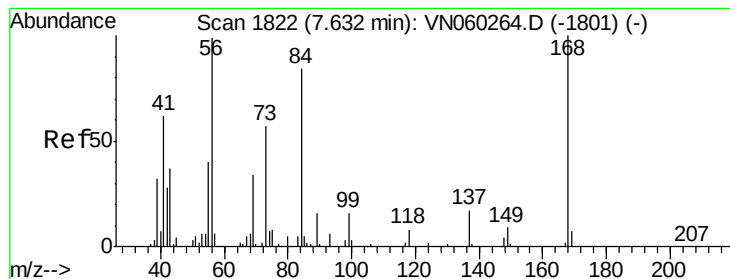
MMDadoda
3/12/2020 2:45:29 PM



#30
Chloroform
Concen: 17.961 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.2





#31

Cyclohexane

Concen: 17.328 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

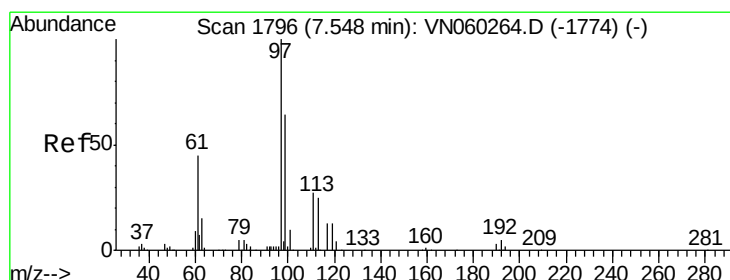
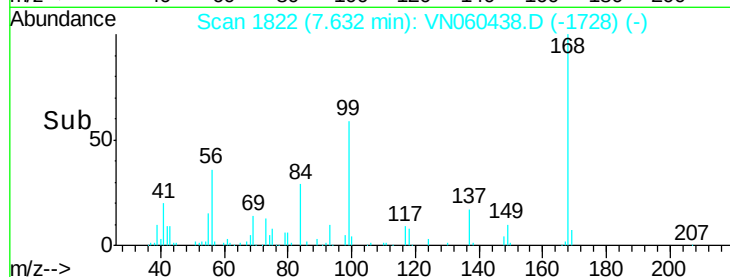
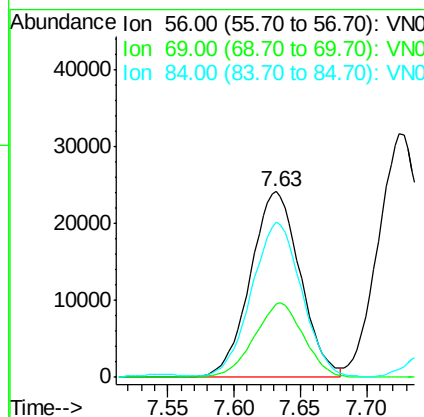
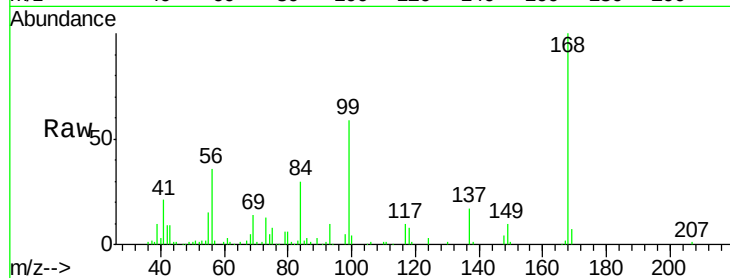
ClientSampled :

VN0311WBS01

Tot Ion:	56	Resp:	63462
Ion Ratio	Lower	Upper	
56	100		
69	39.2	27.2	40.8
84	82.6	66.7	100.1

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#32

1,1,1-Trichloroethane

Concen: 17.490 ug/l

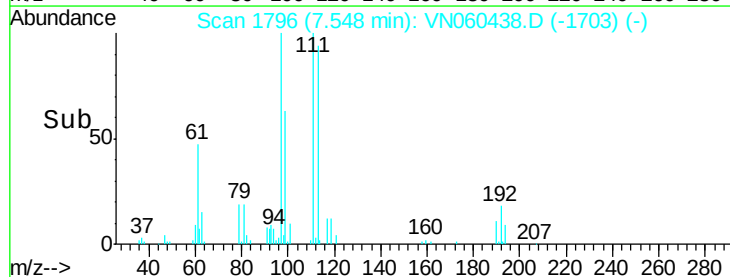
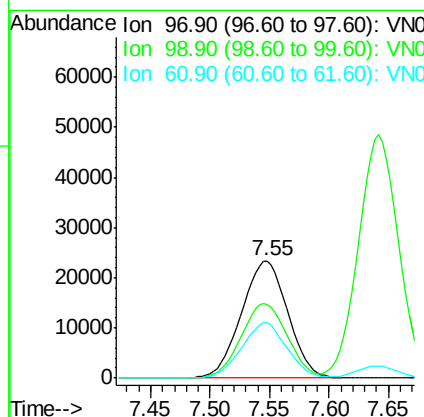
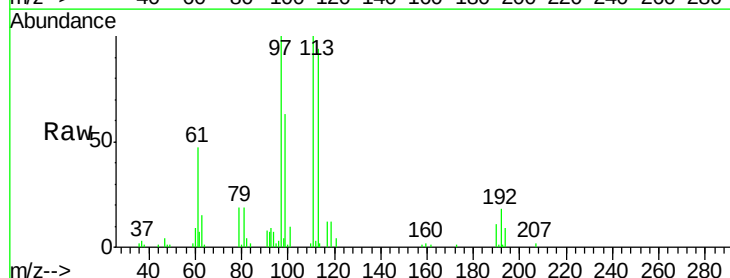
RT: 7.55 min Scan# 1796

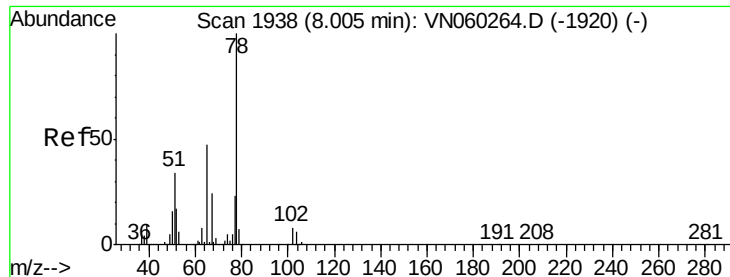
Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:	97	Resp:	63017
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.4	77.0
61	46.2	36.6	55.0





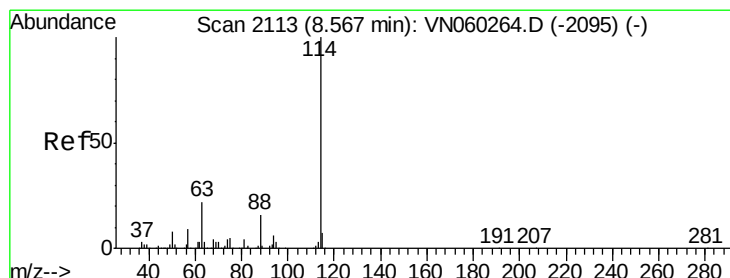
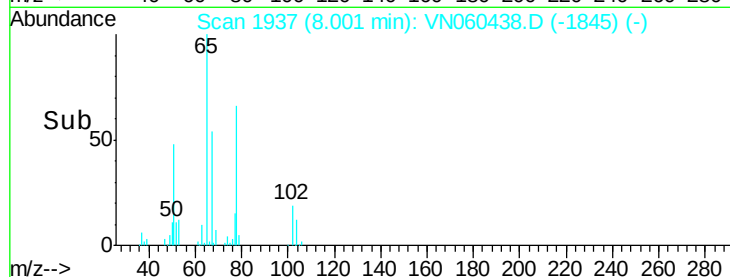
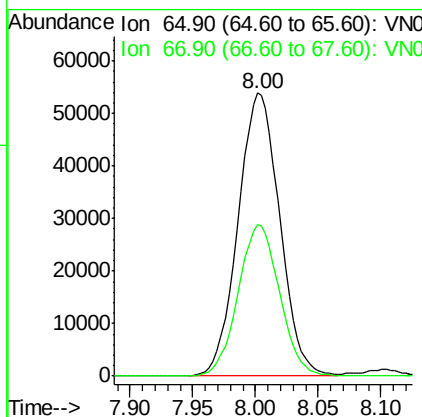
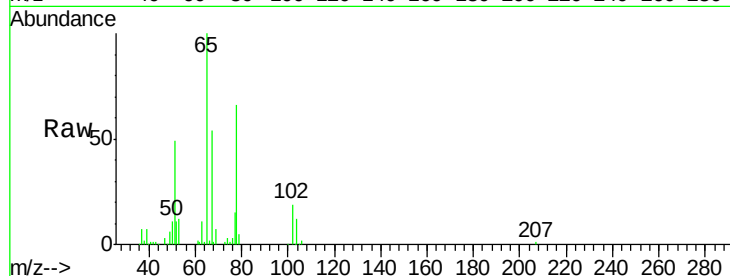
#33
 1,2-Dichloroethane-d4
 Concen: 48.207 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	103.8	

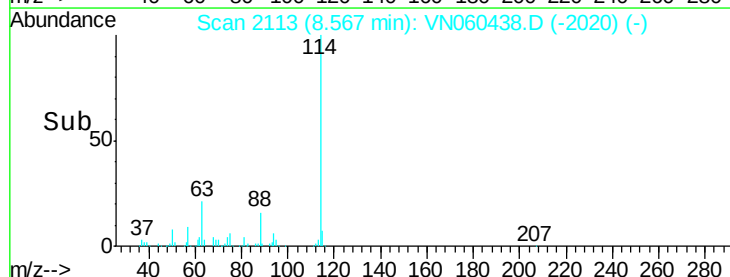
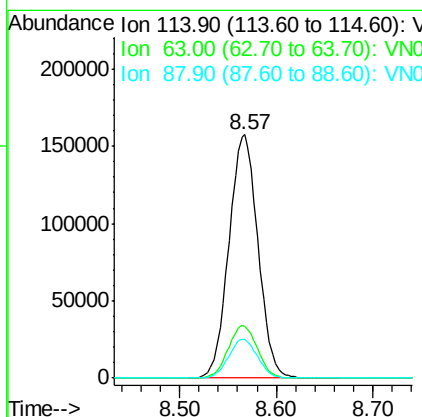
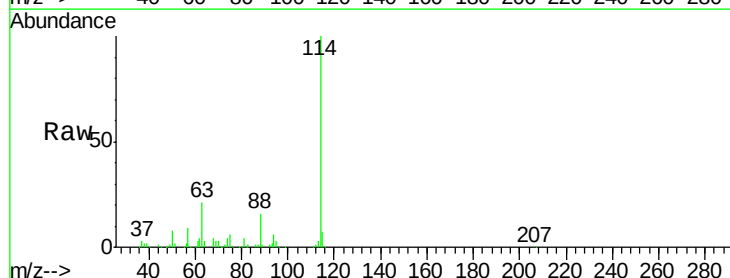
Manual Integrations
 APPROVED

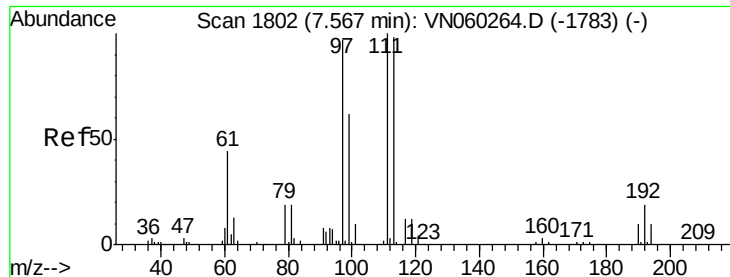
MMDadoda
 3/12/2020 2:45:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.2	
88	15.8	0.0	31.6	





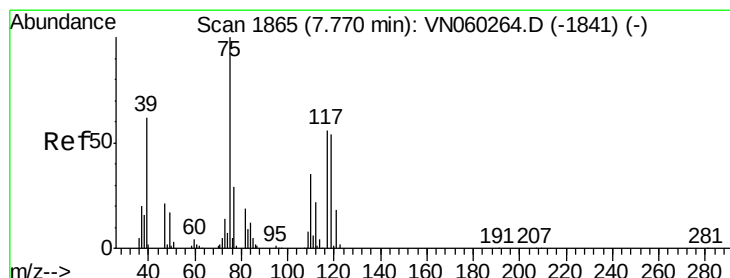
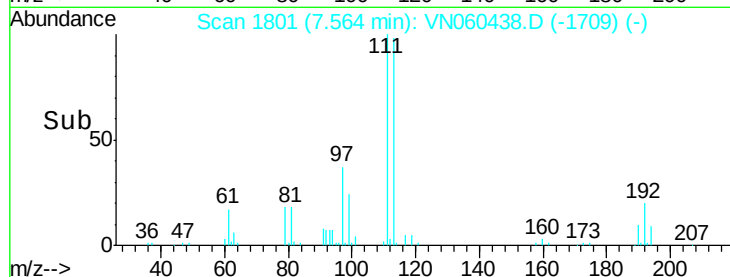
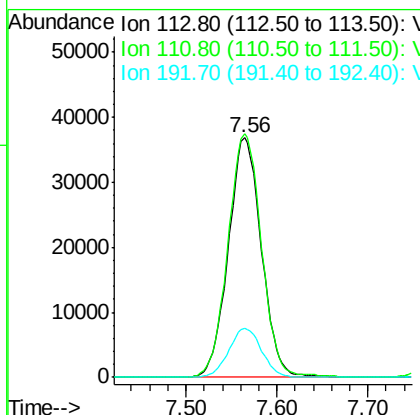
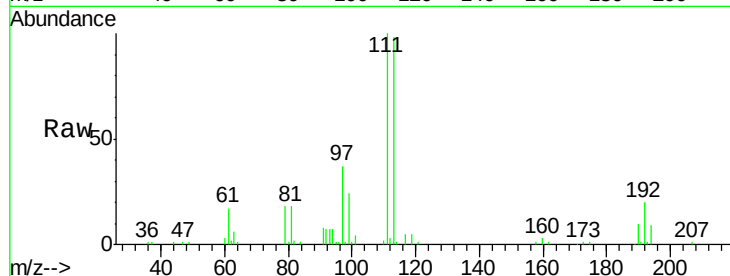
#35
 Dibromofluoromethane
 Concen: 61.066 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	20.3	16.2	24.2

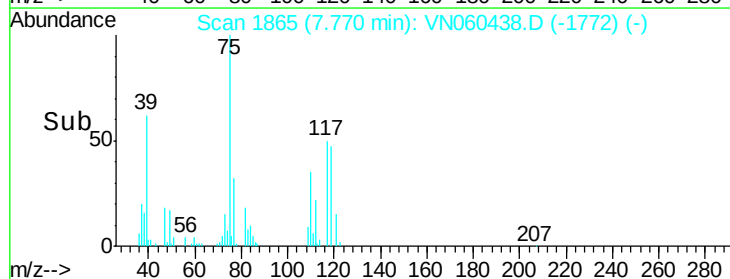
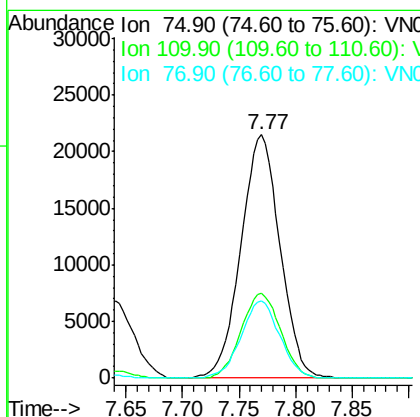
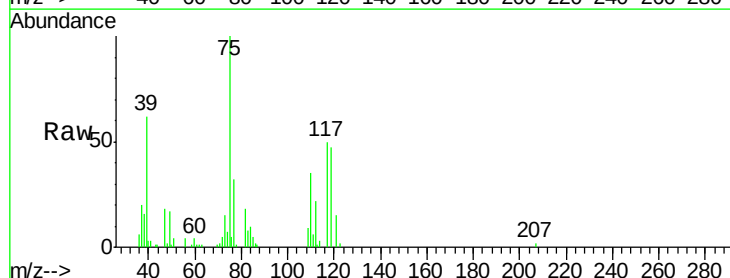
Manual Integrations
 APPROVED

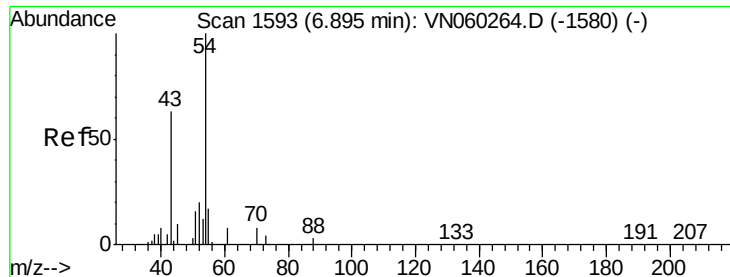
MMDadoda
 3/12/2020 2:45:29 PM



#36
 1,1-Dichloropropene
 Concen: 16.537 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	31.4	24.2	36.2





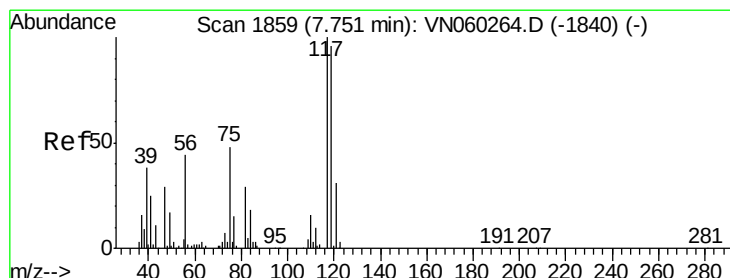
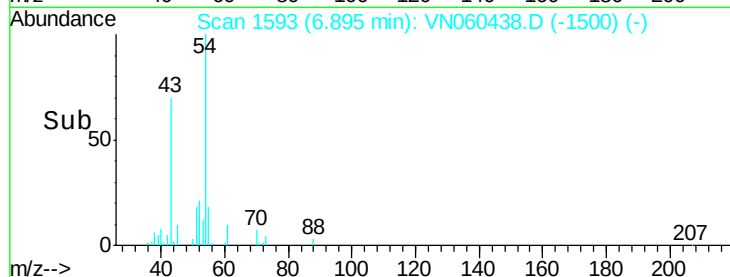
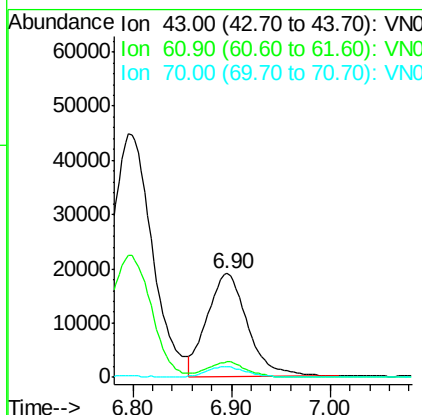
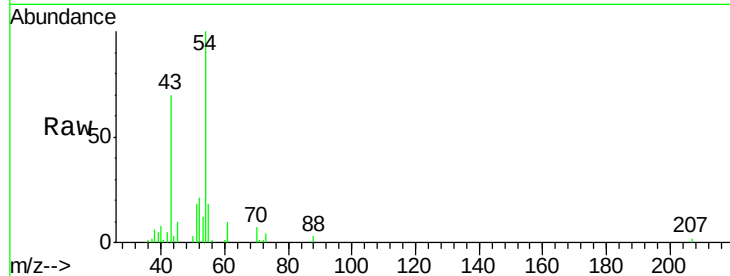
#37
Ethyl Acetate
Concen: 18.525 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	9.8	8.4	12.6

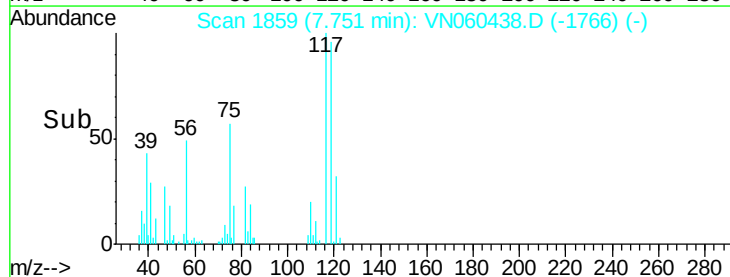
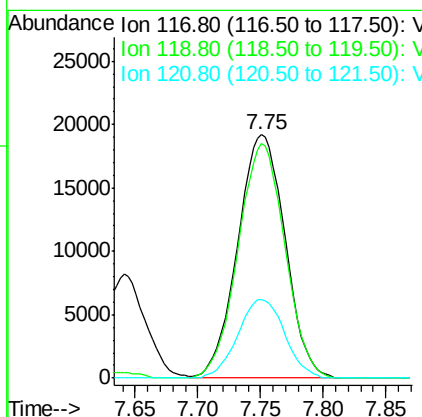
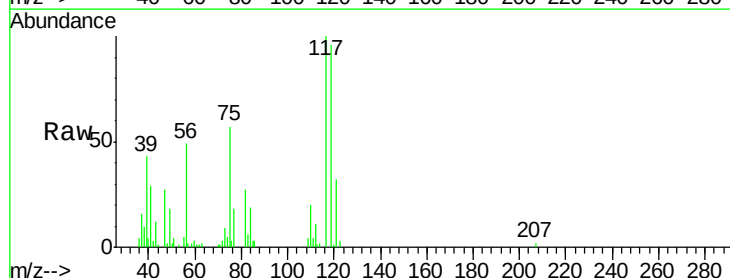
Manual Integrations
APPROVED

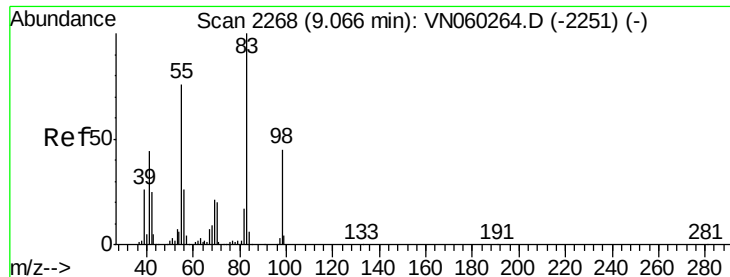
MMDadoda
3/12/2020 2:45:29 PM



#38
Carbon Tetrachloride
Concen: 16.601 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
121	32.2	24.5	36.7





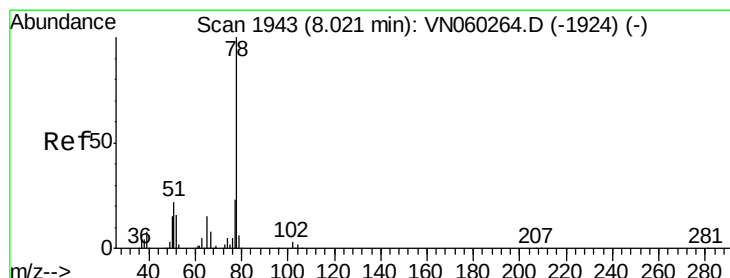
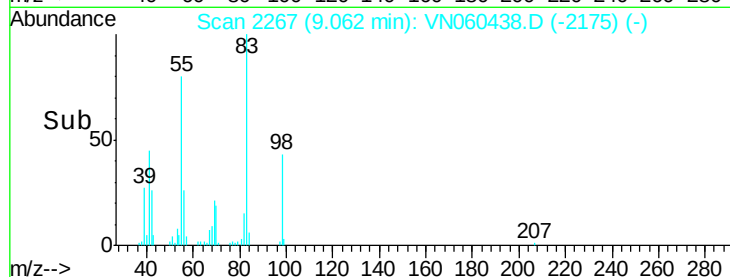
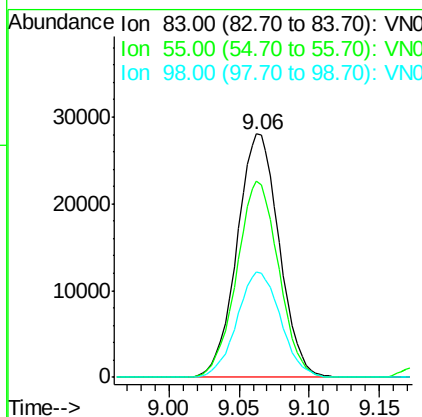
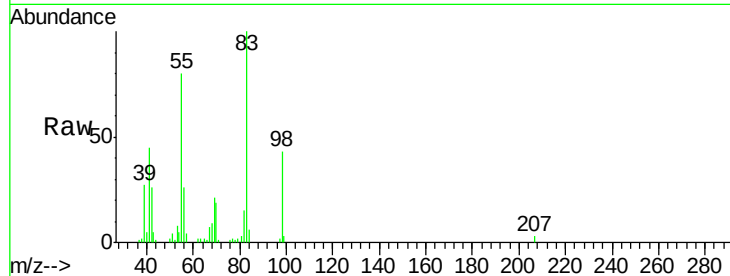
#39
Methylvlcyclohexane
Concen: 15.897 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	61.0	91.4
98	43.2	36.1	54.1

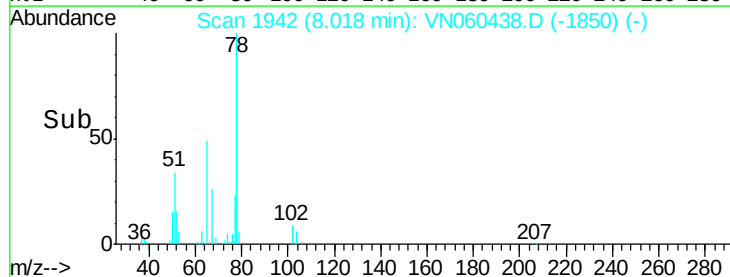
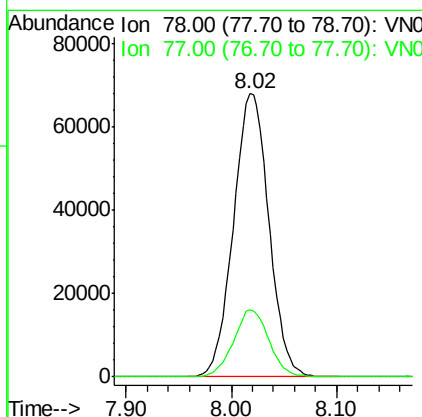
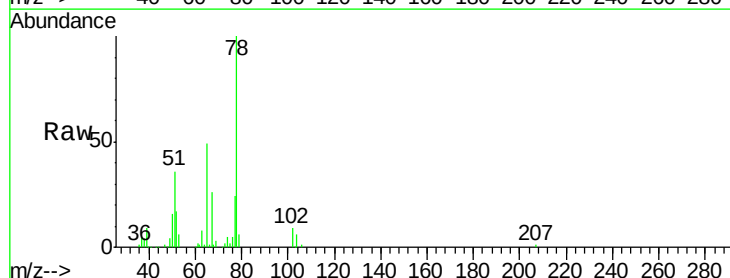
Manual Integrations
APPROVED

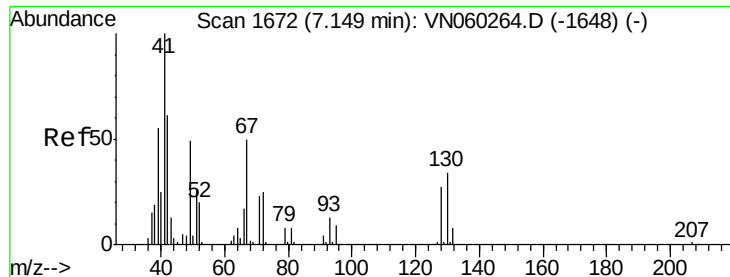
MMDadoda
3/12/2020 2:45:29 PM



#40
Benzene
Concen: 17.409 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





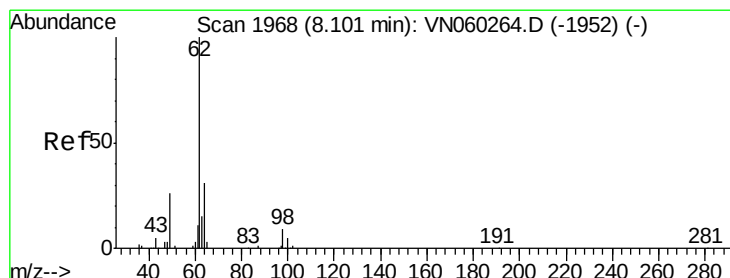
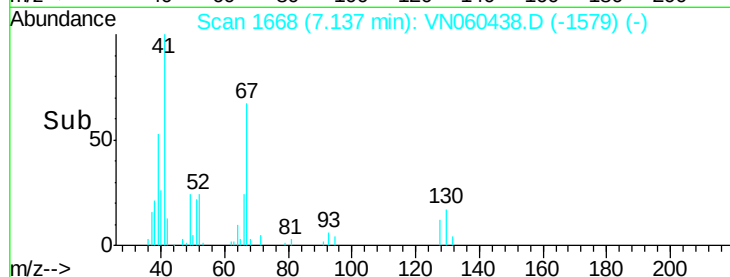
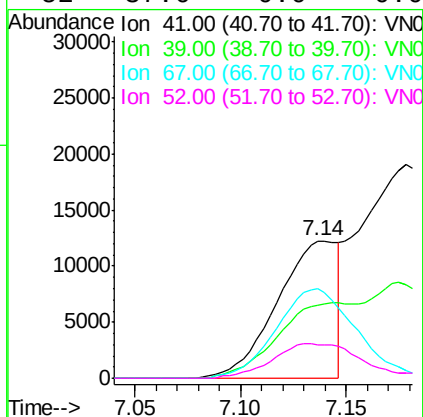
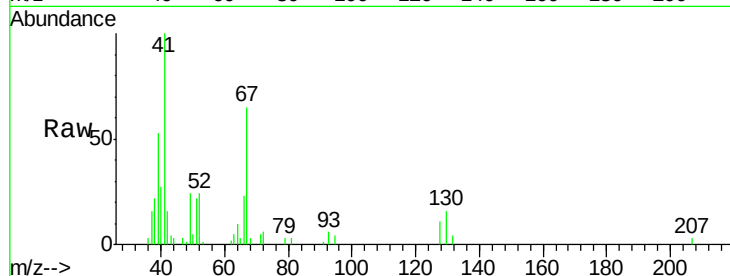
#41
Methacrylonitrile
Concen: 17.906 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.5	0.0	0.0#
67	86.7	0.0	0.0#
52	37.6	0.0	0.0#

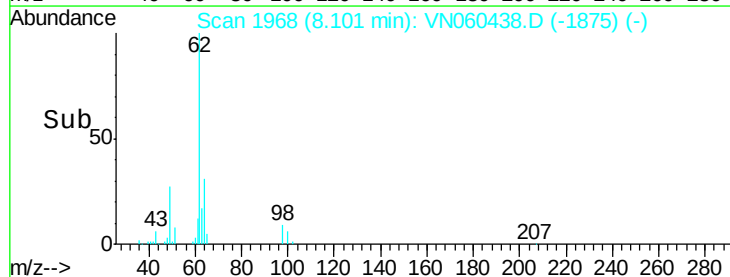
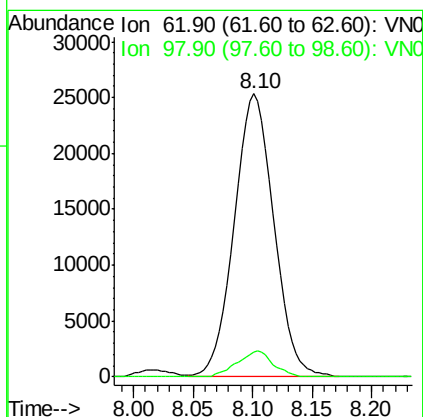
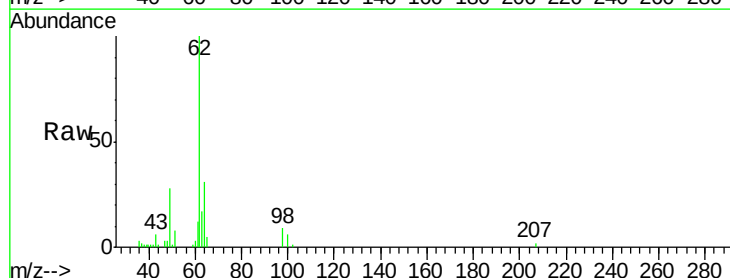
Manual Integrations
APPROVED

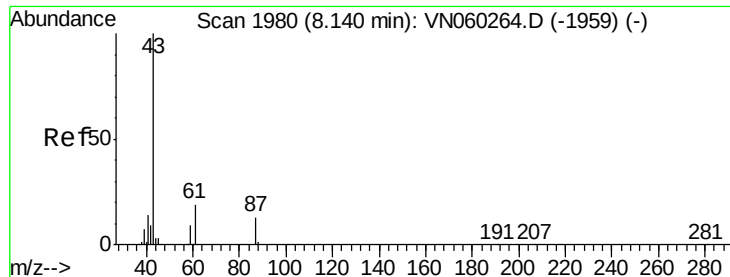
MMDadoda
3/12/2020 2:45:29 PM



#42
1,2-Dichloroethane
Concen: 17.827 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.664 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

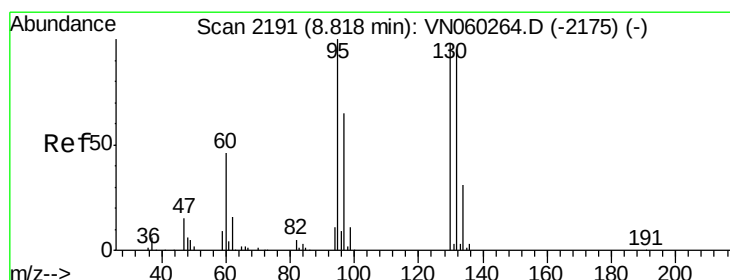
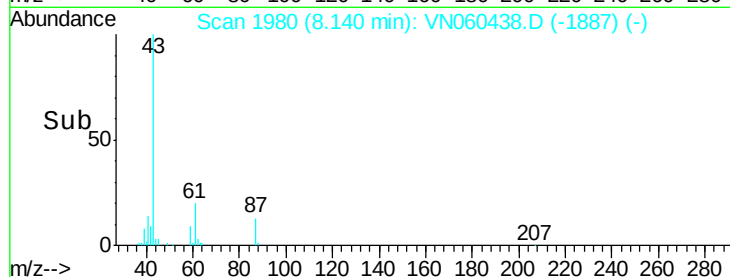
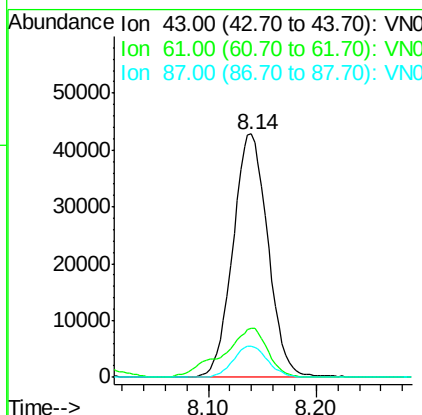
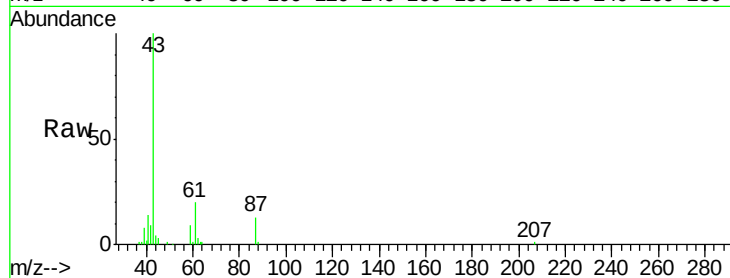
ClientSampleId :

VN0311WBS01

Tot Ion:	43	Resp:	96694
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.9	31.3
87	12.6	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#44

Trichloroethene

Concen: 16.816 ug/l

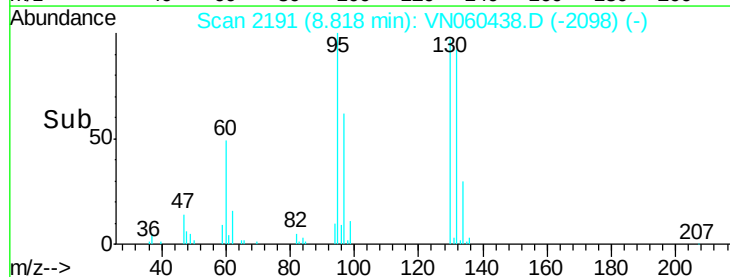
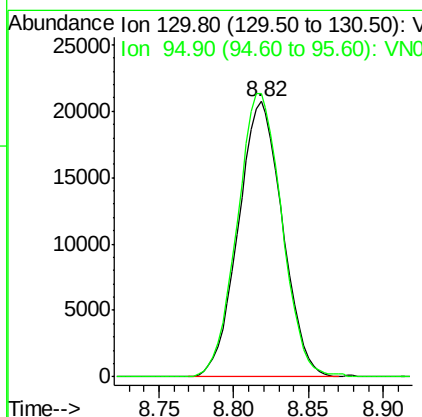
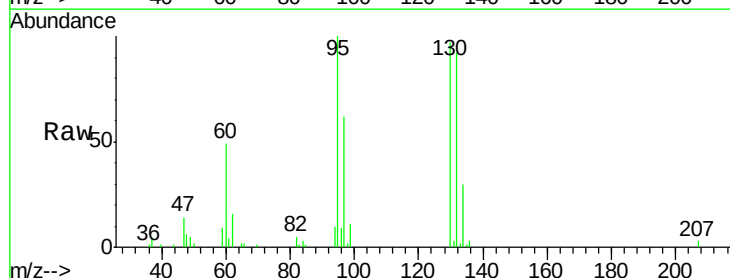
RT: 8.82 min Scan# 2191

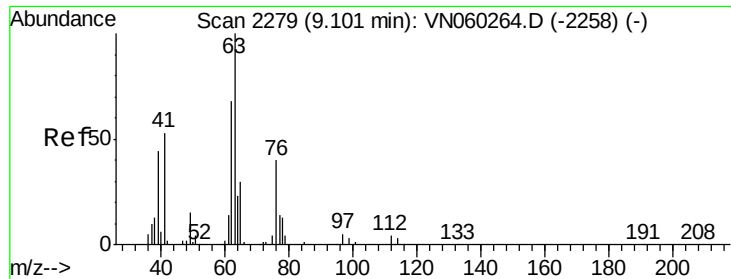
Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:	130	Resp:	42603
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.4





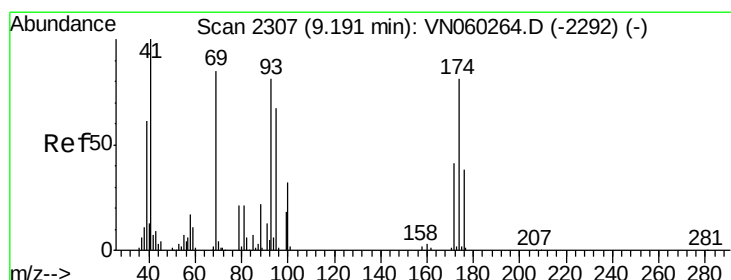
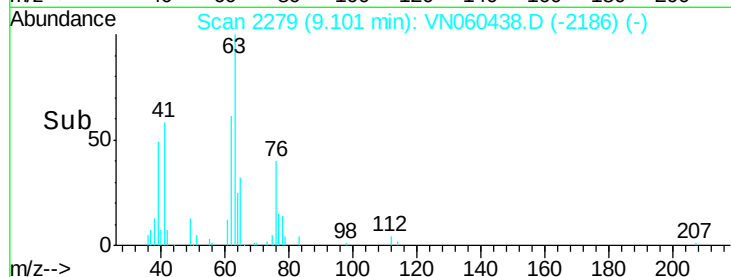
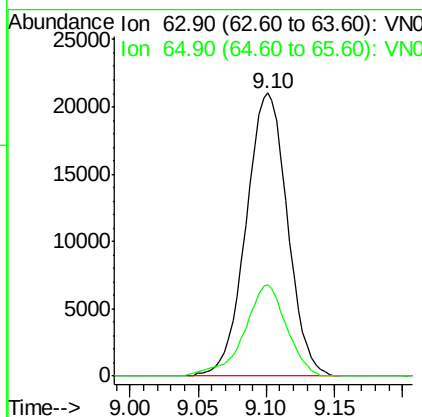
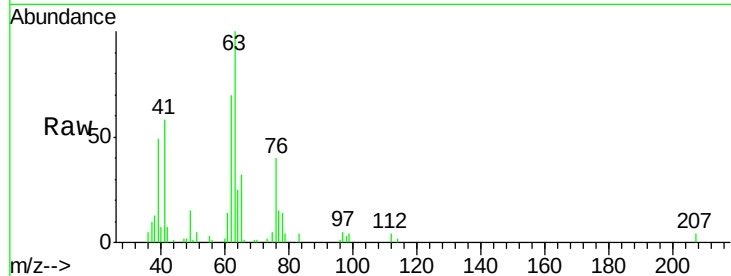
#45
 1,2-Dichloropropane
 Concen: 18.591 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	63	100	44216		
65	65	32.3		24.4	36.6

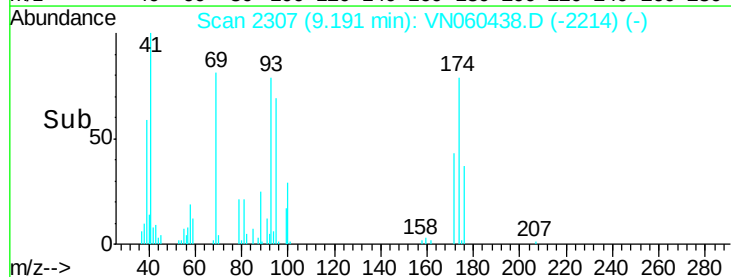
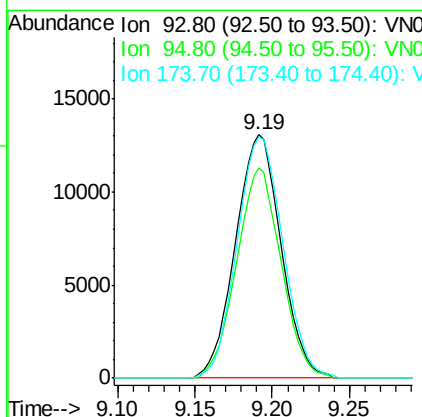
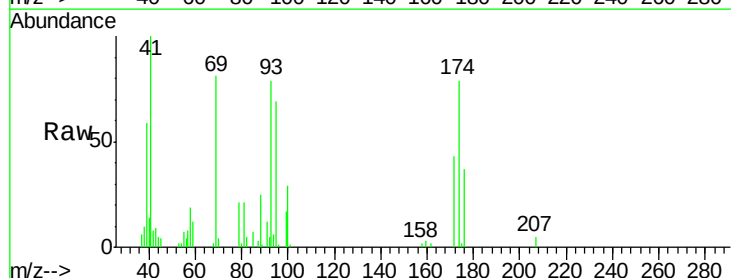
Manual Integrations
 APPROVED

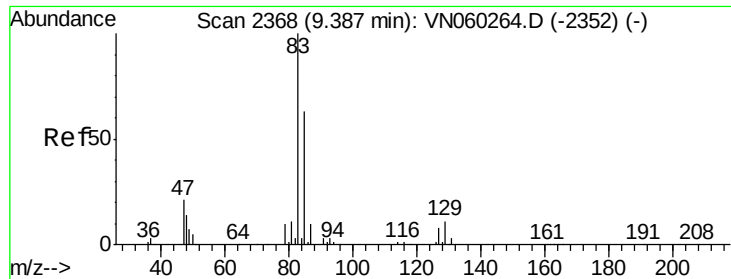
MMDadoda
 3/12/2020 2:45:29 PM



#46
 Dibromomethane
 Concen: 17.367 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	93	100	26801		
95	95	84.2		65.9	98.9
174	174	99.7		79.6	119.4





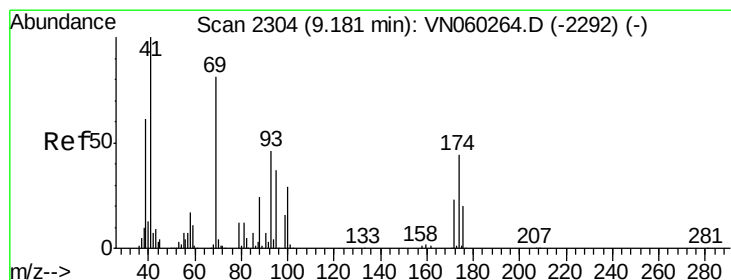
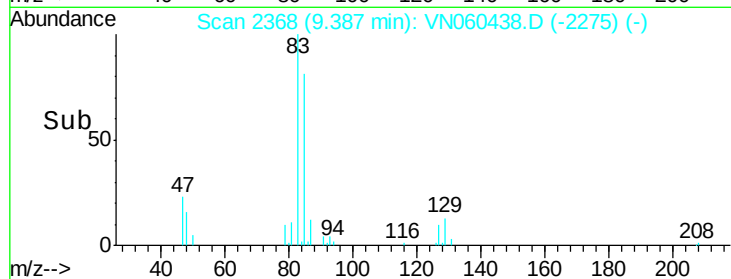
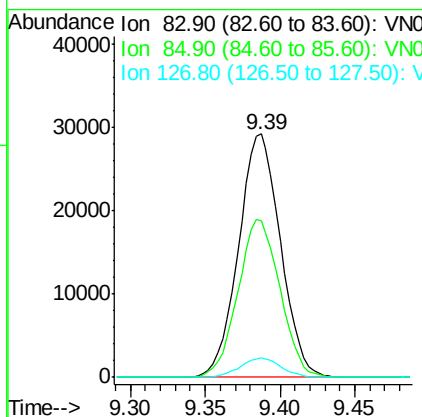
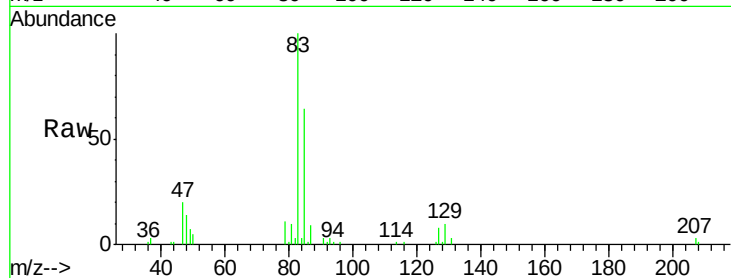
#47
Bromodichloromethane
Concen: 18.139 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1
127	7.8	6.8	10.2

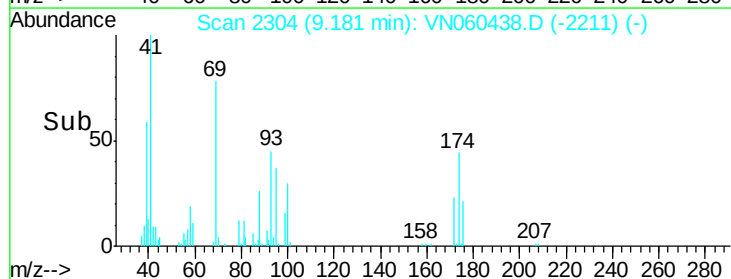
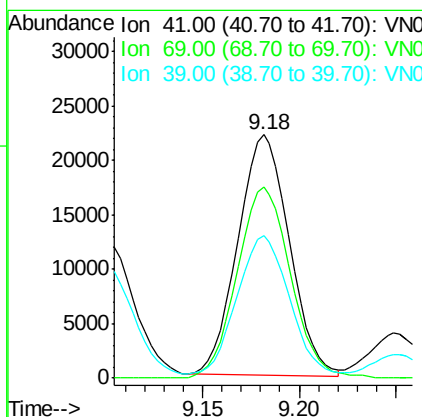
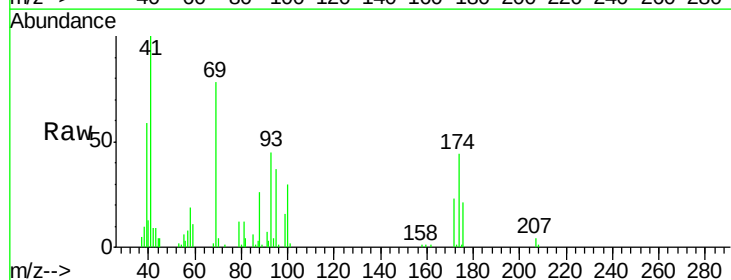
Manual Integrations
APPROVED

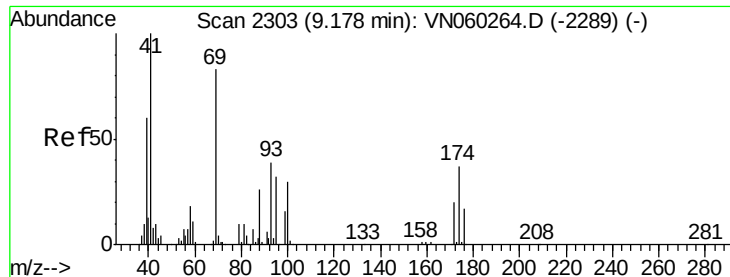
MMDadoda
3/12/2020 2:45:29 PM



#48
Methyl methacrylate
Concen: 17.319 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.6	66.7	100.1
39	61.6	50.1	75.1





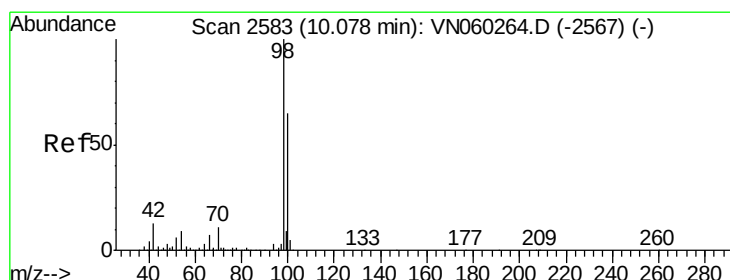
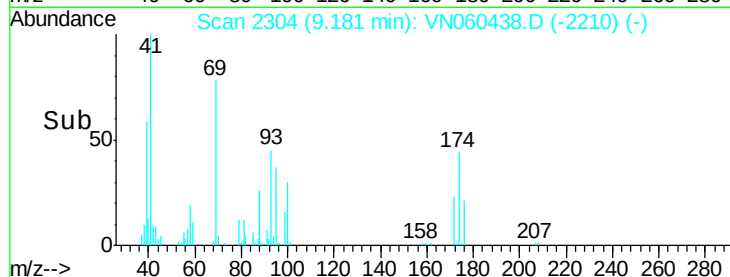
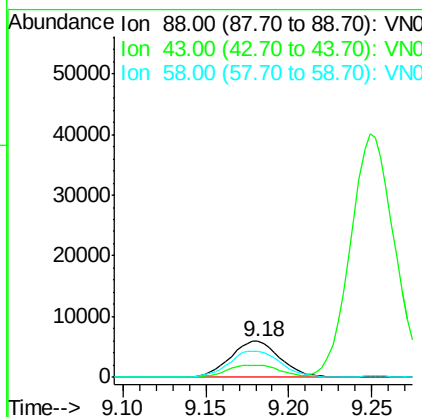
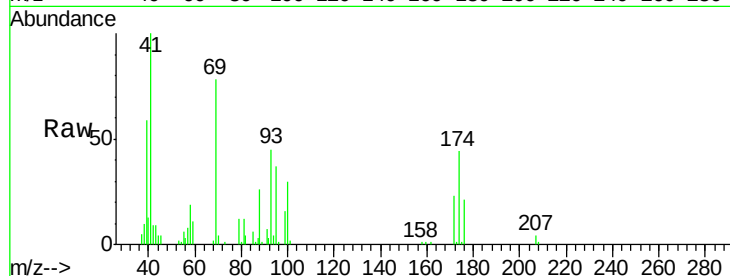
#49
1,4-Dioxane
Concen: 372.565 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.4	45.6
58	74.2	57.0	85.6

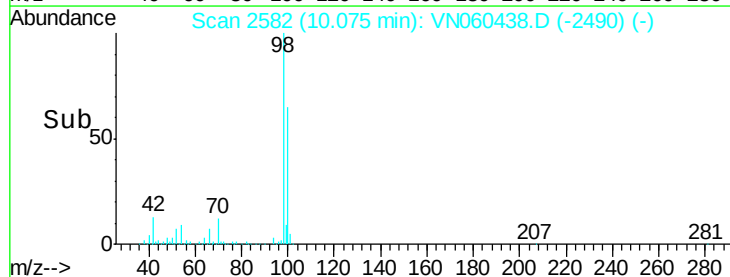
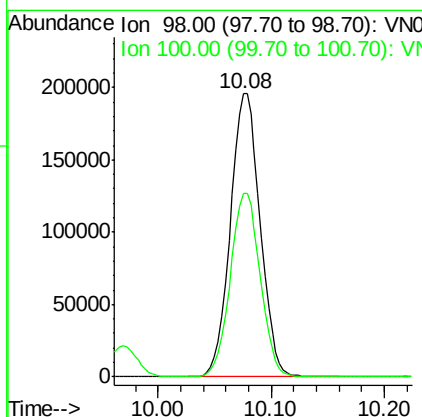
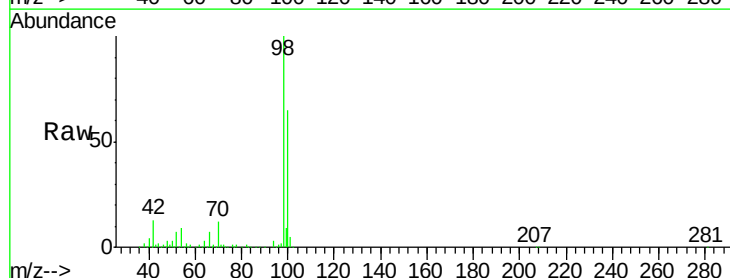
Manual Integrations
APPROVED

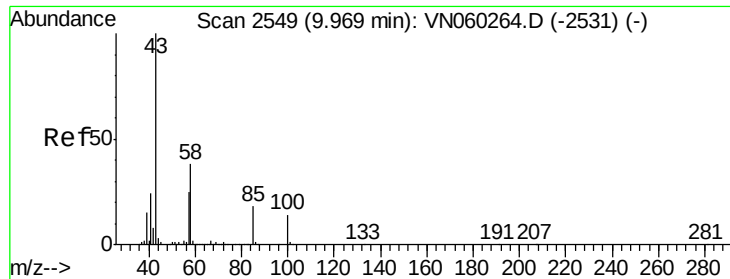
MMDadoda
3/12/2020 2:45:29 PM



#50
Toluene-d8
Concen: 46.501 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





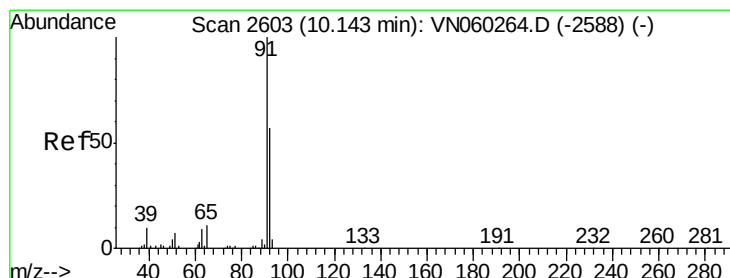
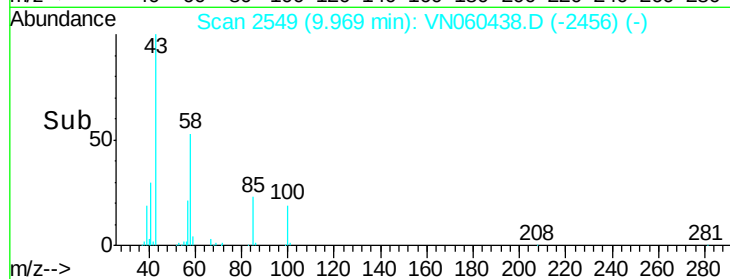
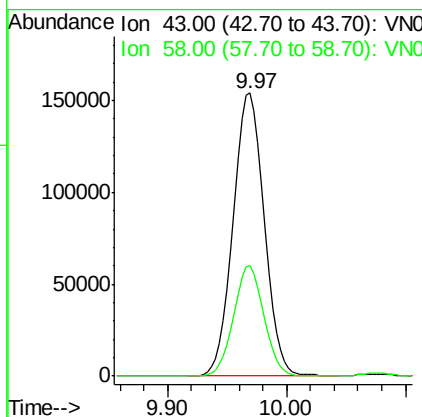
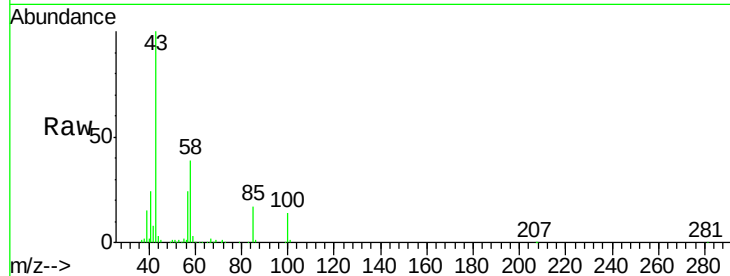
#51
 4-Methyl-2-Pentanone
 Concen: 95.341 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	43	Resp	280060
Ion Ratio	100	Lower	Upper
43	100		
58	37.9	30.9	46.3

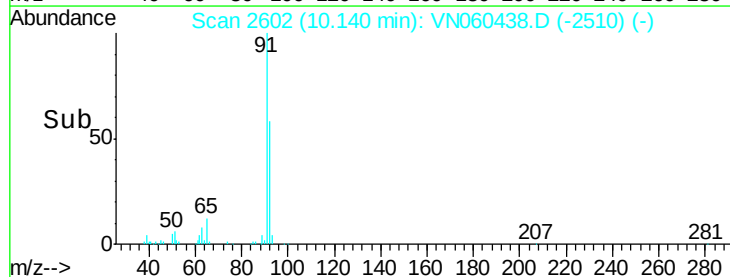
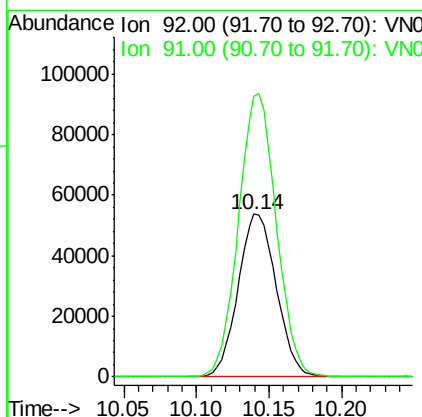
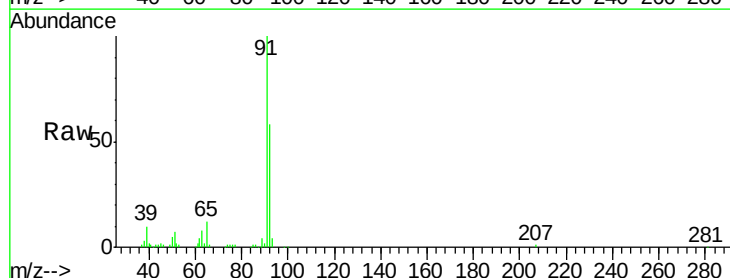
Manual Integrations
 APPROVED

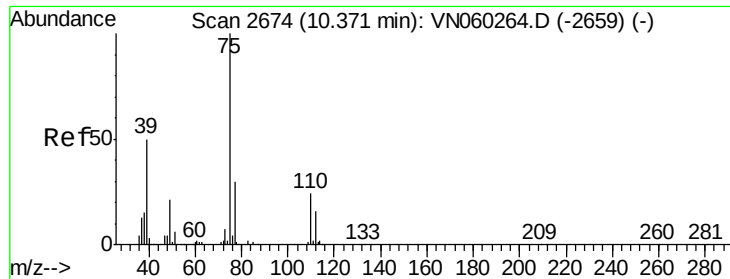
MMDadoda
 3/12/2020 2:45:29 PM



#52
 Toluene
 Concen: 17.259 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	92	Resp	98620
Ion Ratio	100	Lower	Upper
92	100		
91	172.3	138.1	207.1





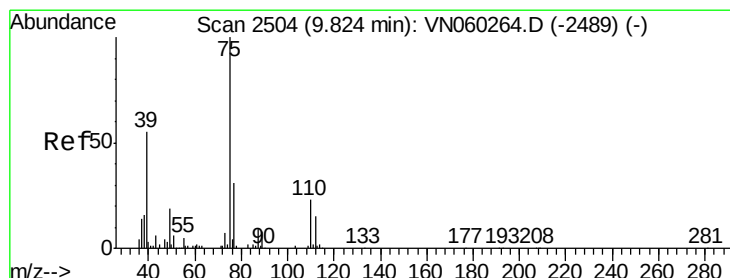
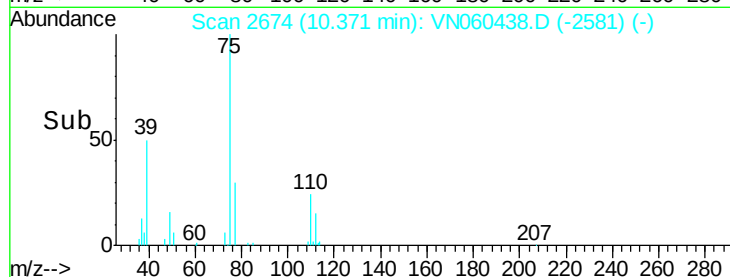
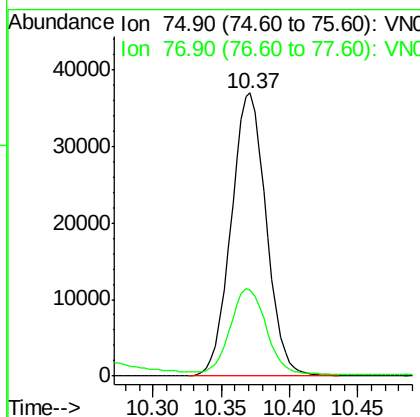
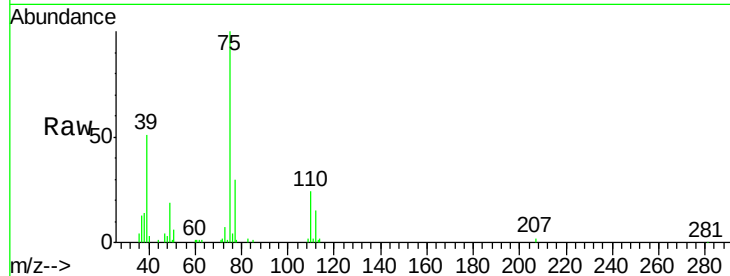
#53
t-1,3-Dichloropropene
Concen: 17.143 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.8	37.2

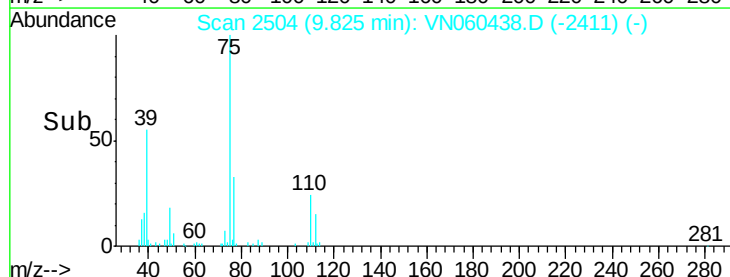
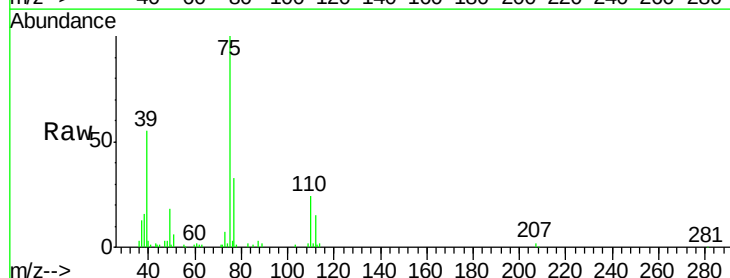
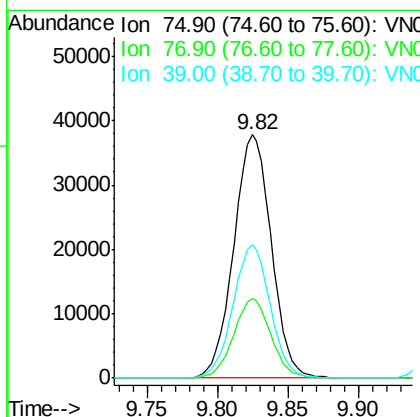
Manual Integrations
APPROVED

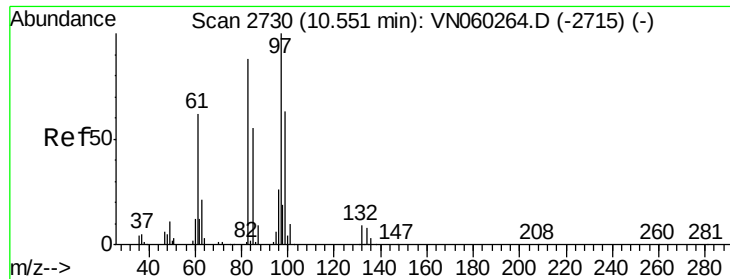
MMDadoda
3/12/2020 2:45:29 PM



#54
cis-1,3-Dichloropropene
Concen: 17.695 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.8	37.2
39	54.7	43.8	65.8





#55

1,1,2-Trichloroethane

Concen: 17.341 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

Tot Ion: 97 Resp: 39847

Ion Ratio Lower Upper

97 100

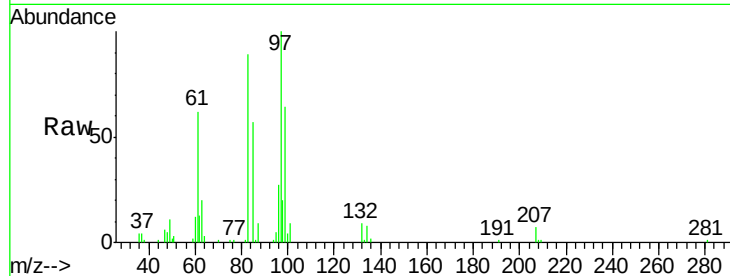
83 89.2 70.0 105.0

85 57.0 44.0 66.0

99 64.3 50.4 75.6

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM

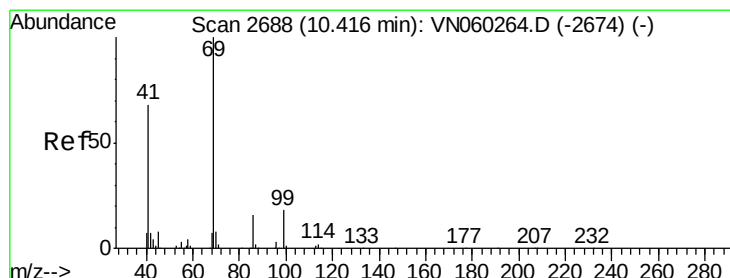
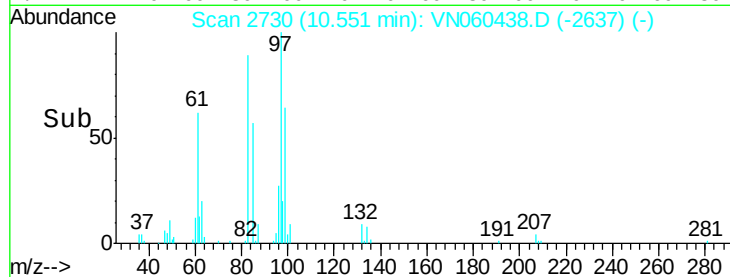
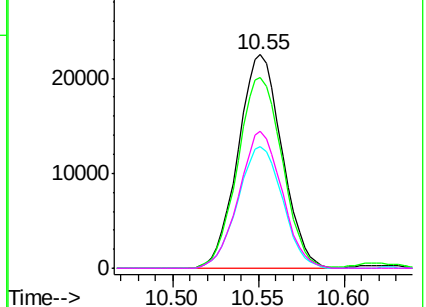


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.610 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

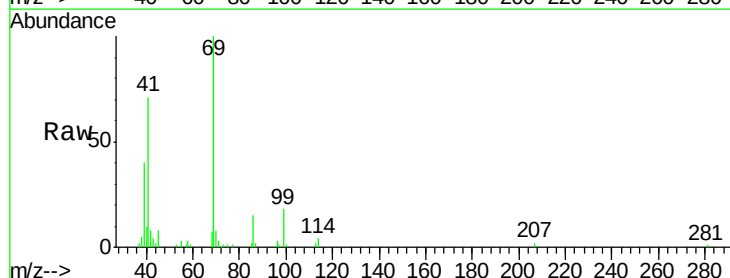
Tgt Ion: 69 Resp: 58135

Ion Ratio Lower Upper

69 100

41 71.3 54.1 81.1

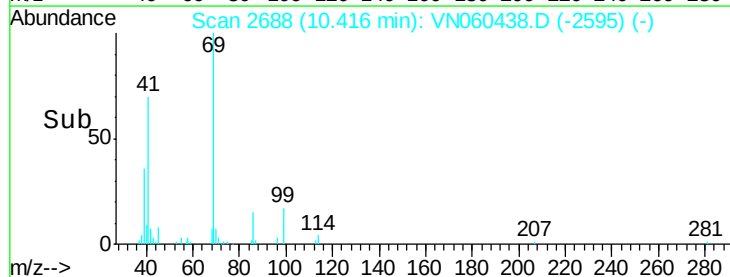
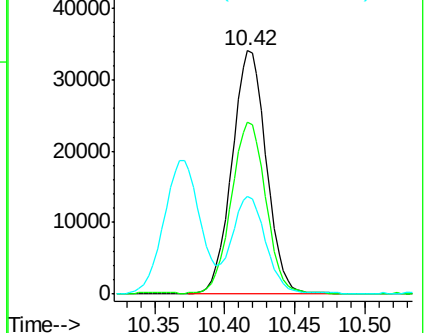
39 39.4 32.5 48.7

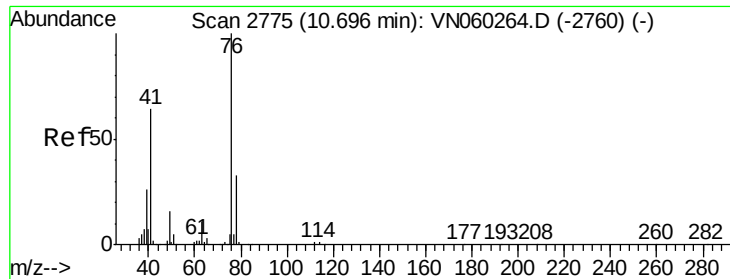


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





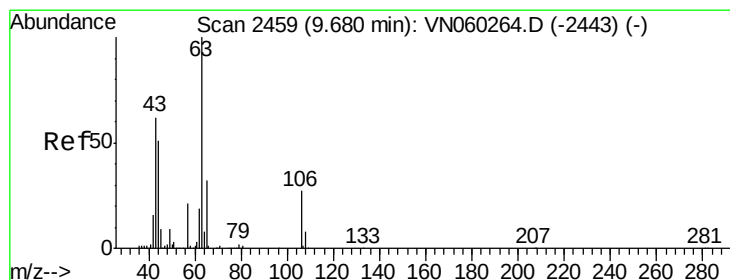
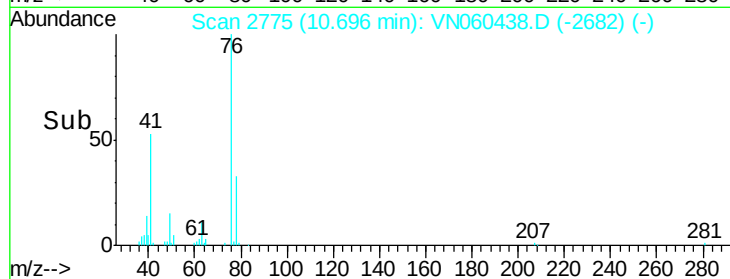
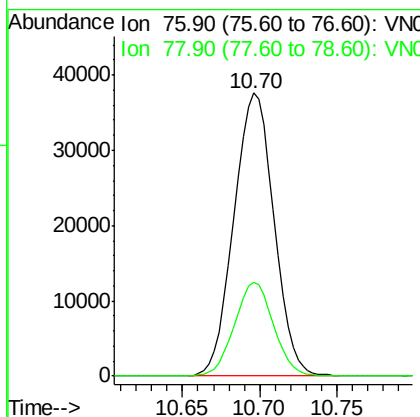
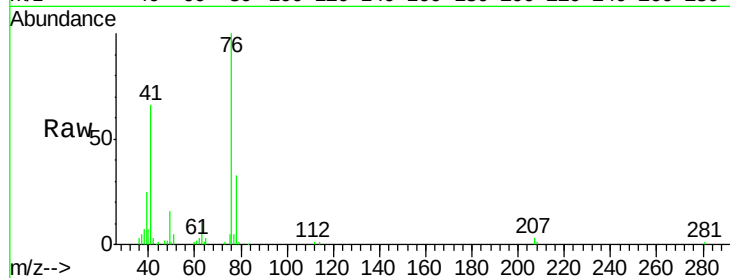
#57
 1,3-Dichloropropane
 Concen: 18.105 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion: 76 Resp: 67849
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

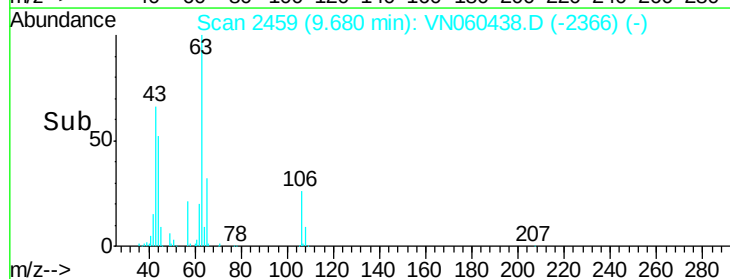
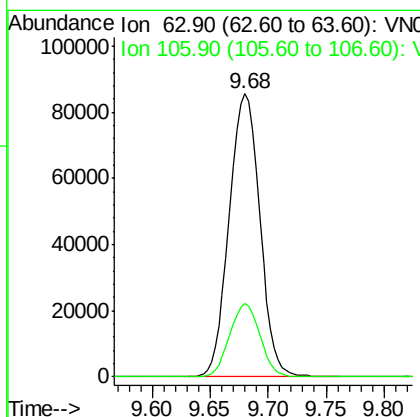
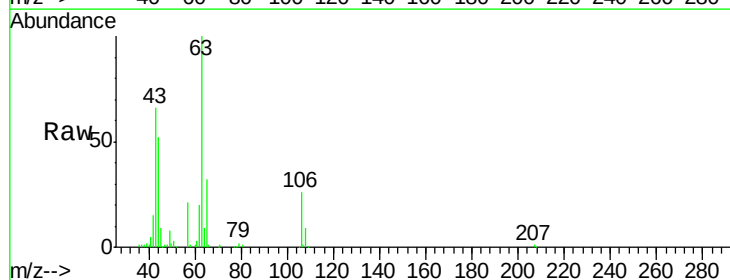
Manual Integrations
 APPROVED

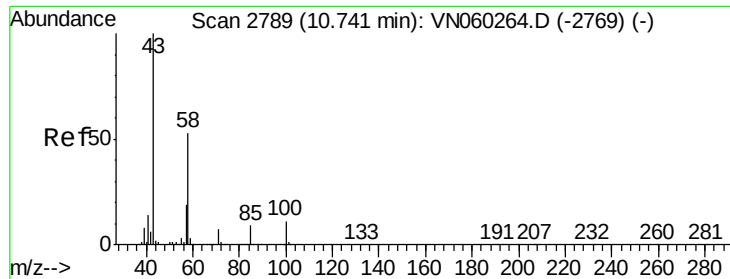
MMDadoda
 3/12/2020 2:45:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.915 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 63 Resp: 156974
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.1 31.7





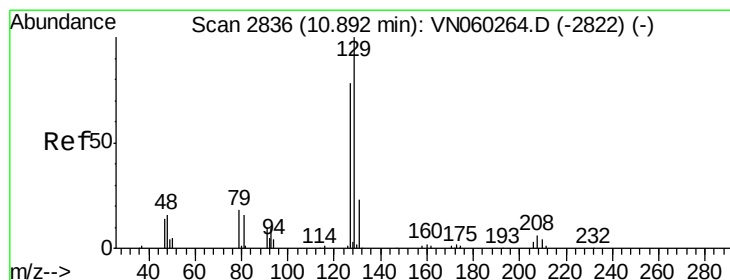
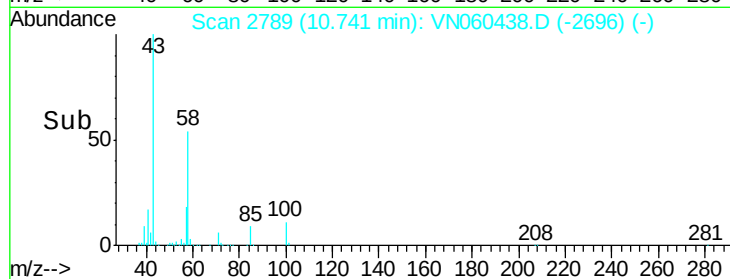
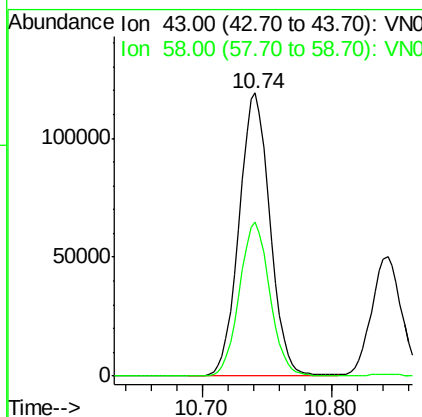
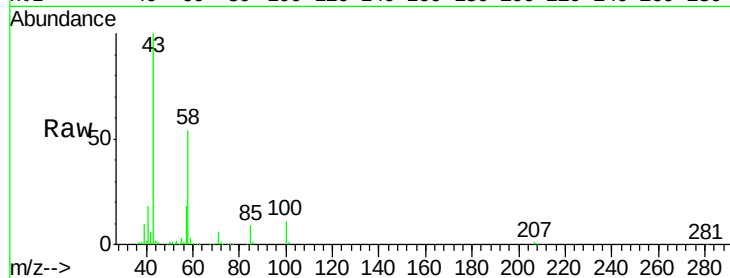
#59
2-Hexanone
Concen: 92.224 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.5	79.5

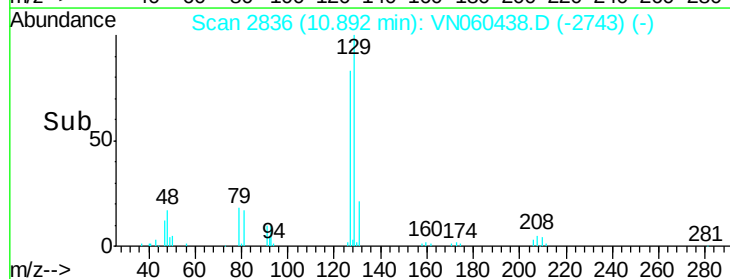
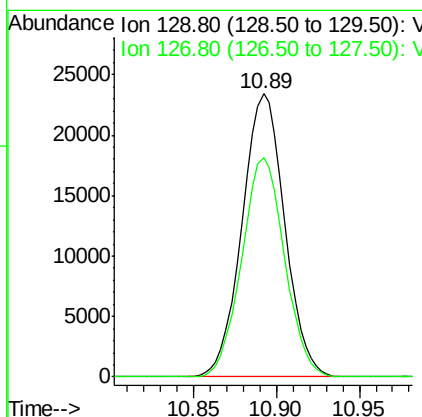
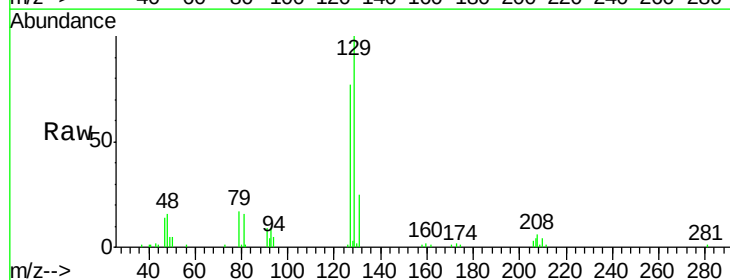
Manual Integrations
APPROVED

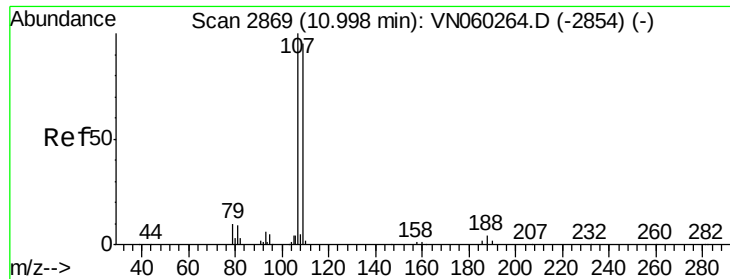
MMDadoda
3/12/2020 2:45:29 PM



#60
Dibromochloromethane
Concen: 17.903 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.9	116.7





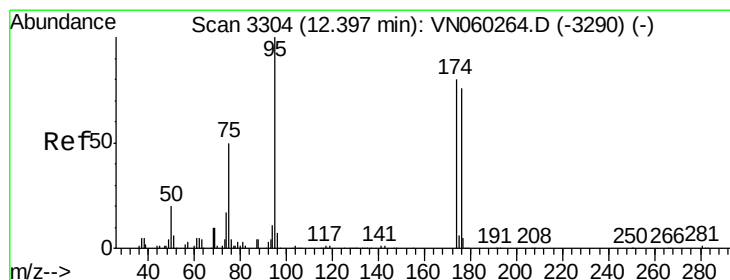
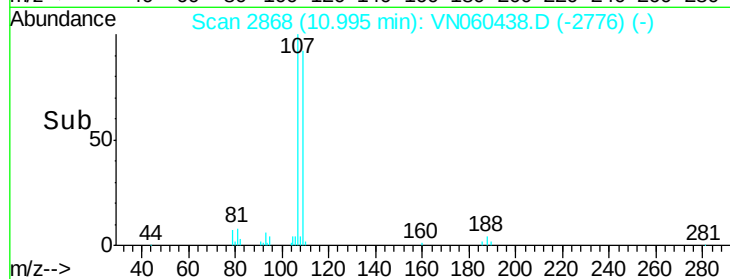
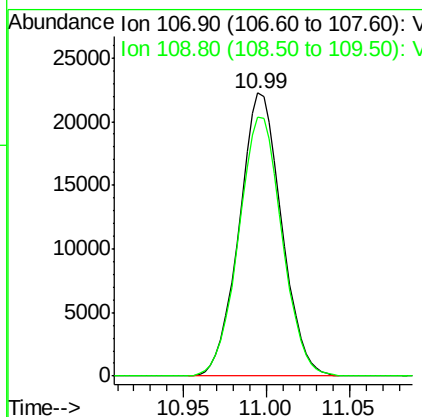
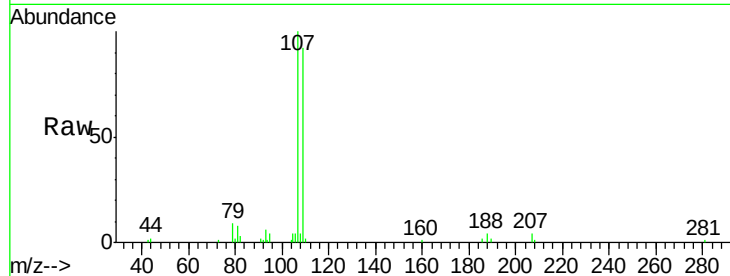
#61
 1,2-Dibromoethane
 Concen: 17.612 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.8	115.2

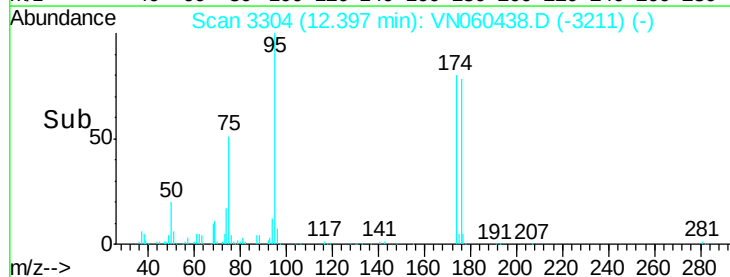
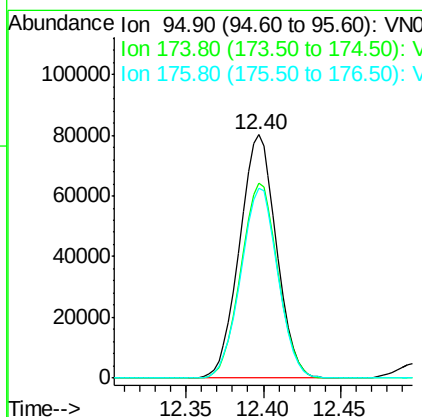
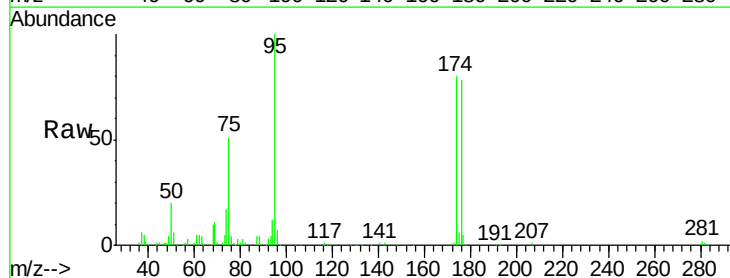
Manual Integrations
 APPROVED

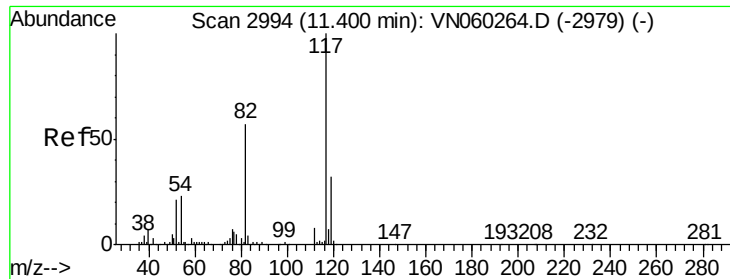
MMDadoda
 3/12/2020 2:45:29 PM



#62
 4-Bromofluorobenzene
 Concen: 45.567 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.5	0.0	159.2
176	78.5	0.0	153.8





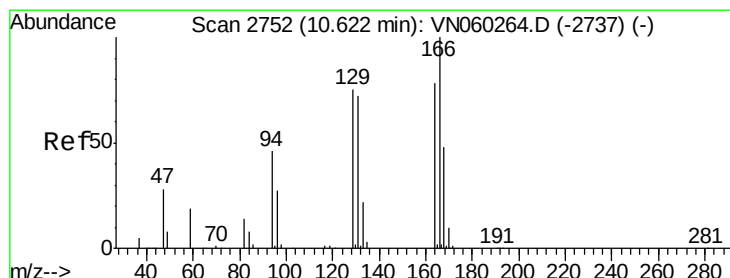
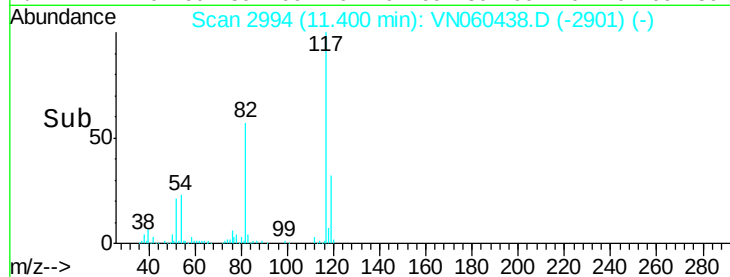
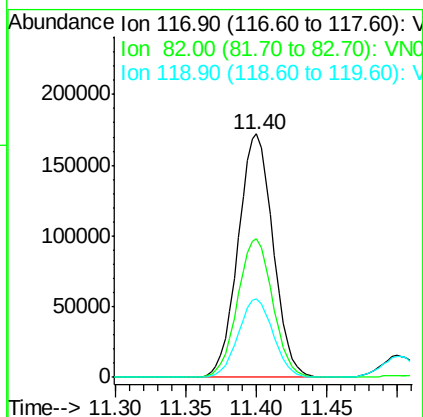
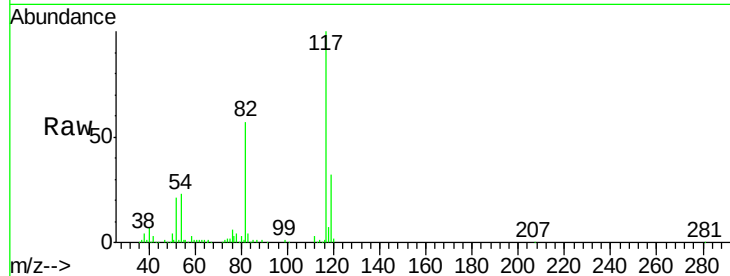
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299311		
82	56.8		45.8	68.6
119	32.0		25.8	38.8

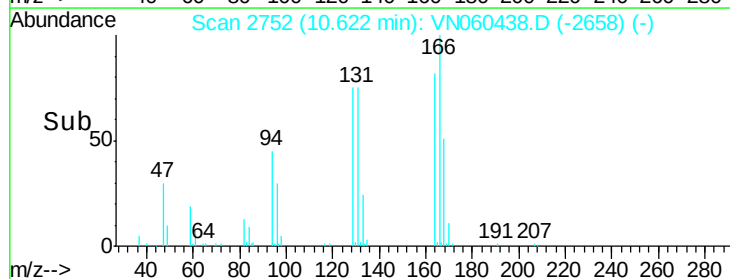
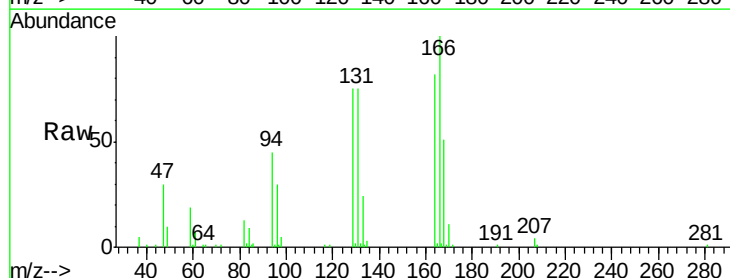
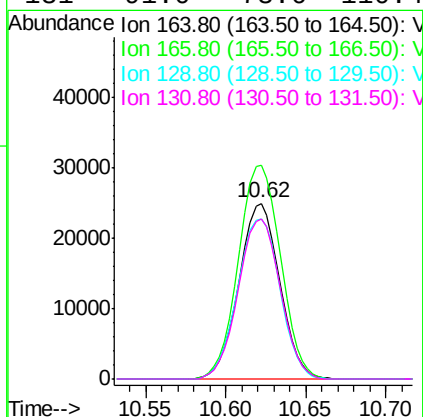
Manual Integrations
APPROVED

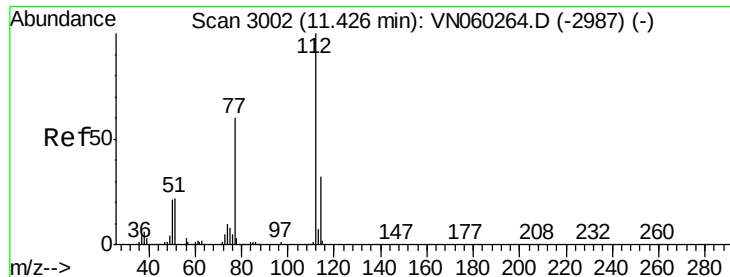
MMDadoda
3/12/2020 2:45:29 PM



#64
Tetrachloroethene
Concen: 17.577 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43583		
166	121.4		102.0	153.0
129	91.0		76.4	114.6
131	91.0		73.6	110.4





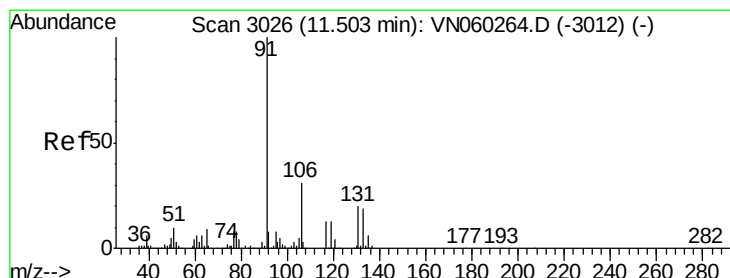
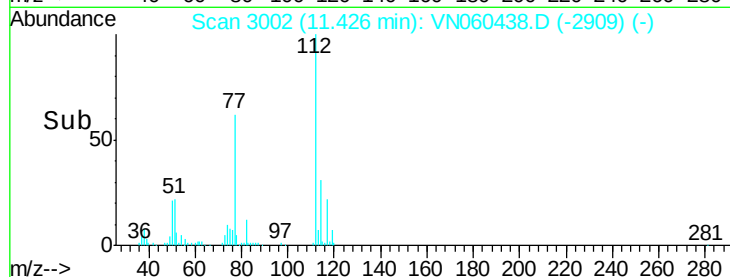
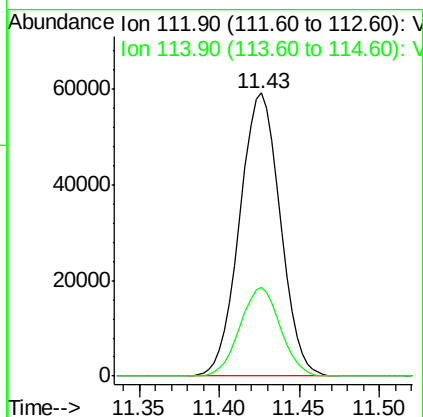
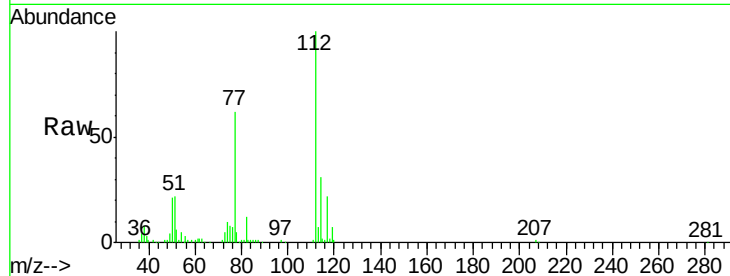
#65
Chlorobenzene
Concen: 17.008 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.0

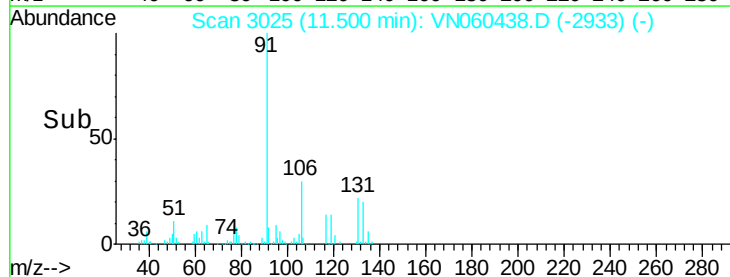
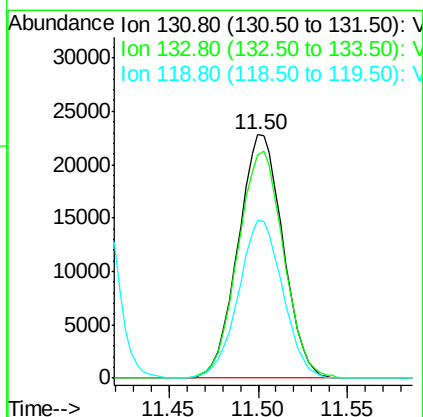
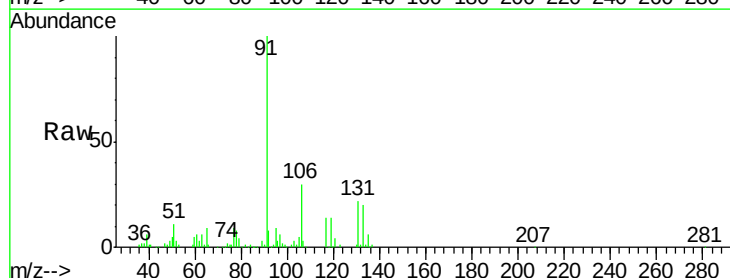
Manual Integrations
APPROVED

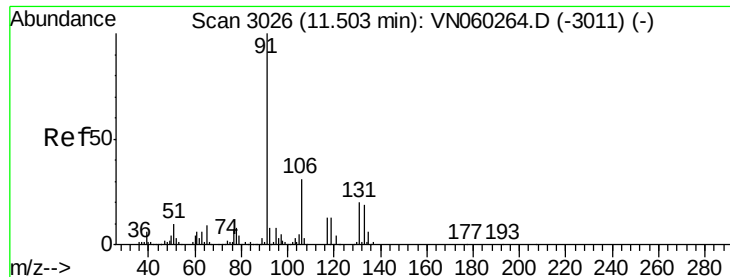
MMDadoda
3/12/2020 2:45:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.898 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.7	143.1
119	64.1	33.2	99.6





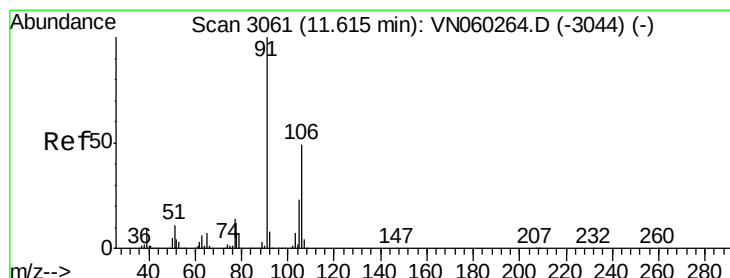
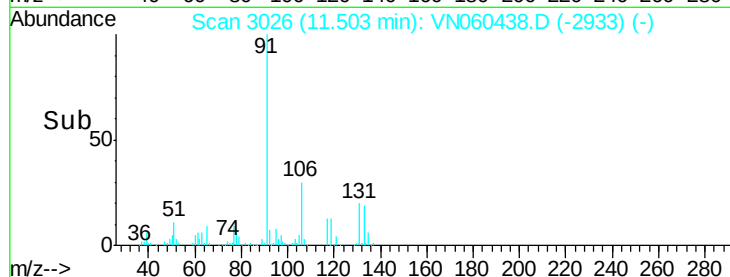
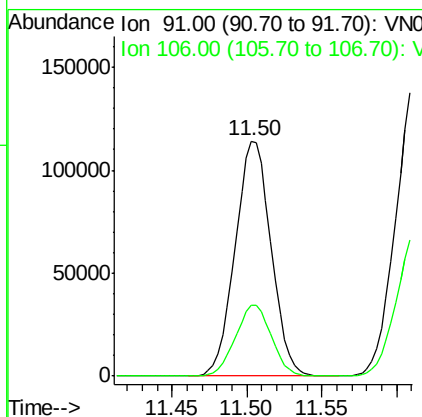
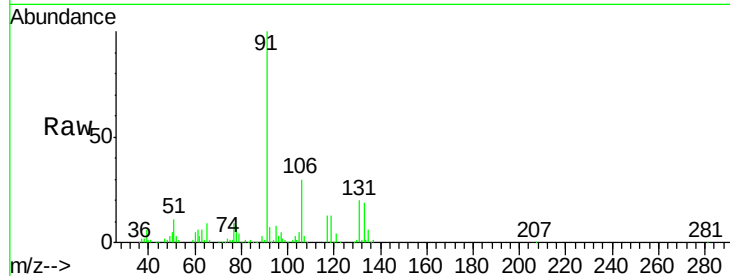
#67
Ethyl Benzene
Concen: 17.318 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

Tot Ion: 91 Resp: 190603
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

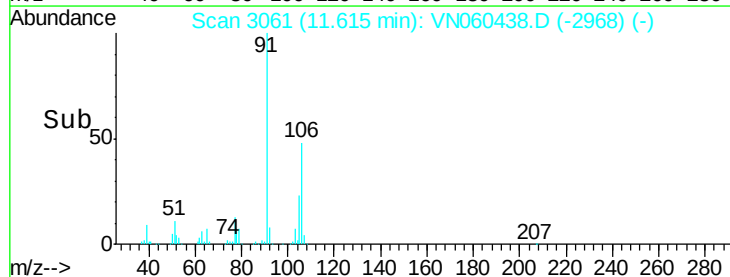
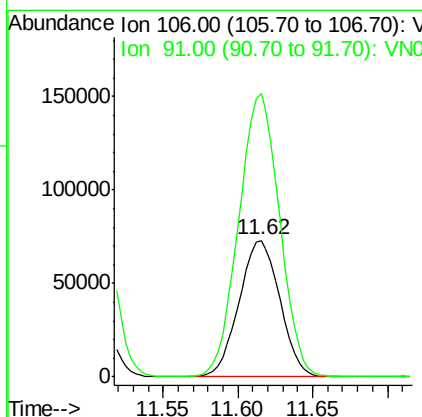
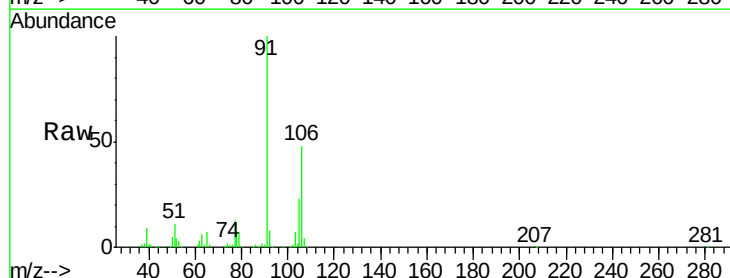
Manual Integrations
APPROVED

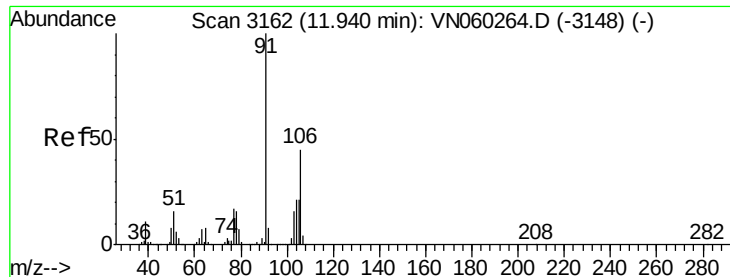
MMDadoda
3/12/2020 2:45:29 PM



#68
m/p-Xylenes
Concen: 33.379 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion: 106 Resp: 138609
Ion Ratio Lower Upper
106 100
91 208.3 164.5 246.7





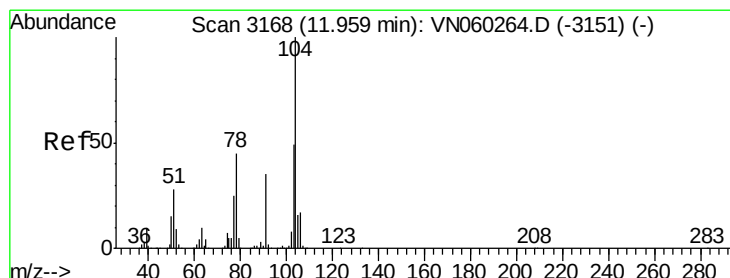
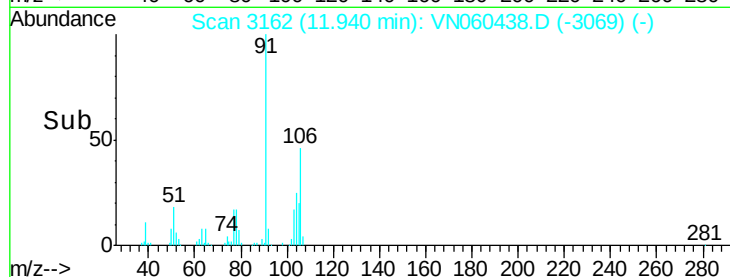
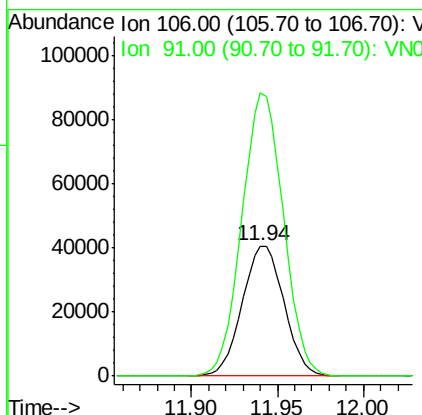
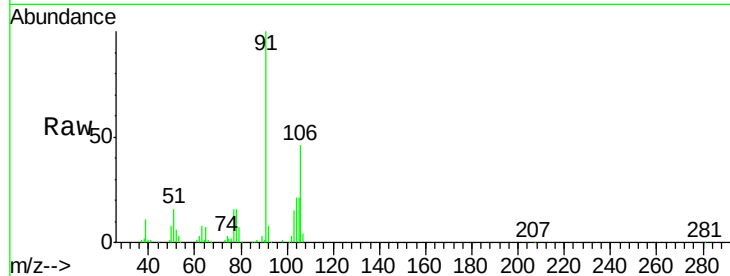
#69
o-Xylene
Concen: 17.312 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampled :
VN0311WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.1	109.5	328.4	

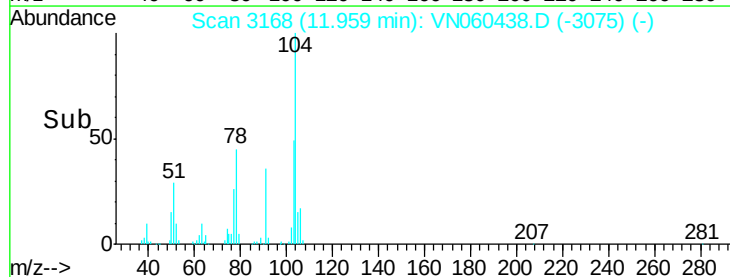
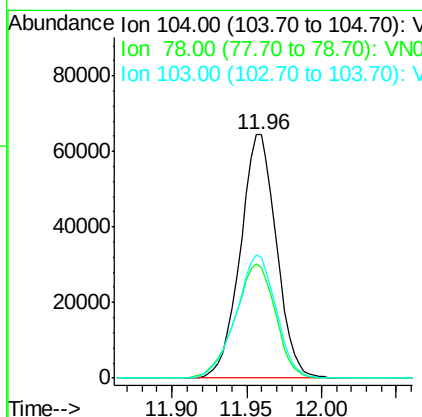
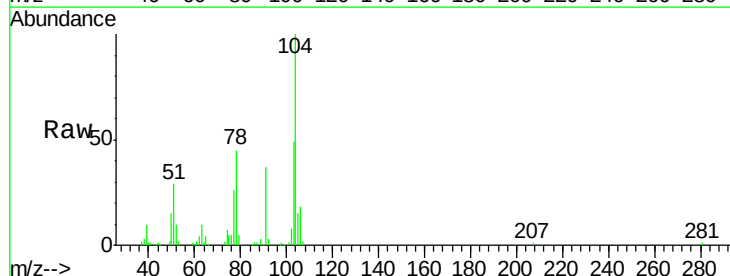
Manual Integrations
APPROVED

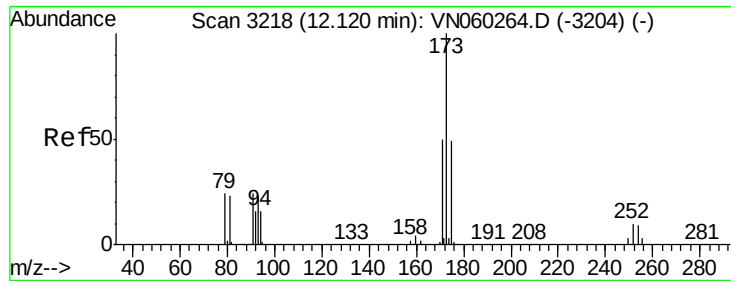
MMDadoda
3/12/2020 2:45:29 PM



#70
Styrene
Concen: 16.628 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	41.2	61.8	
103	55.8	43.9	65.9	





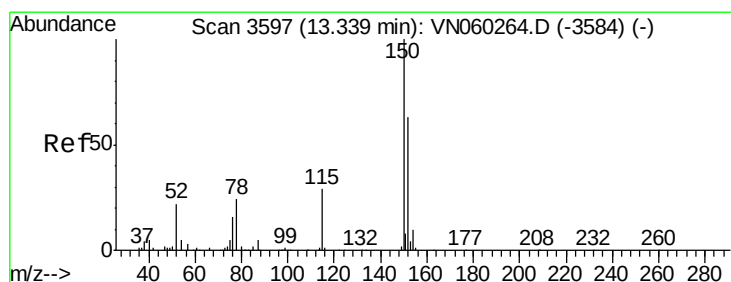
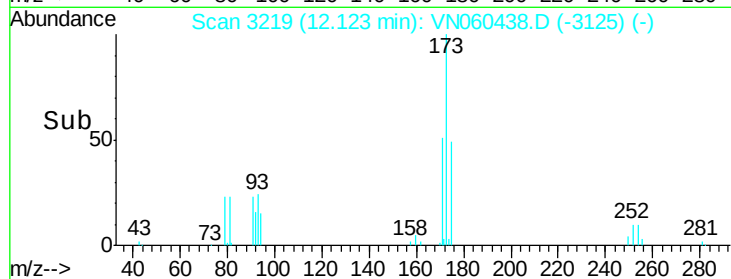
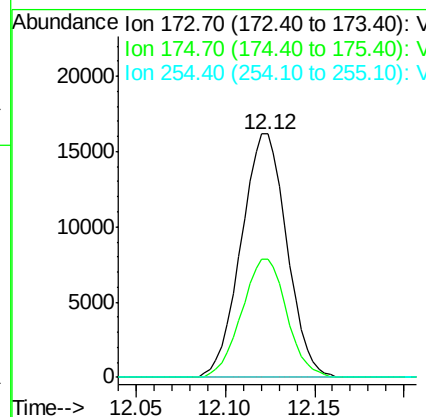
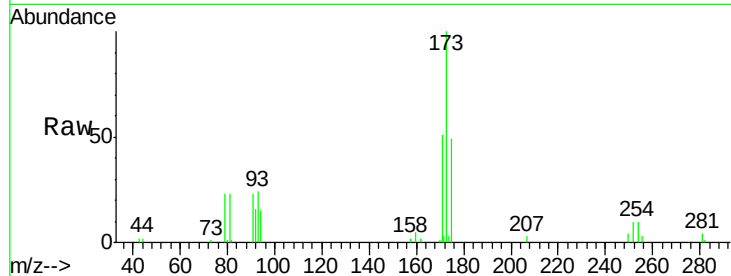
#71
Bromoform
Concen: 17.909 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0

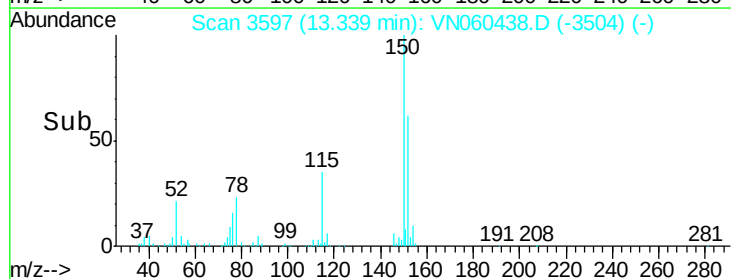
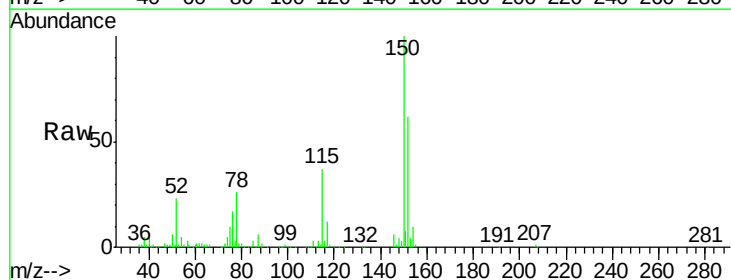
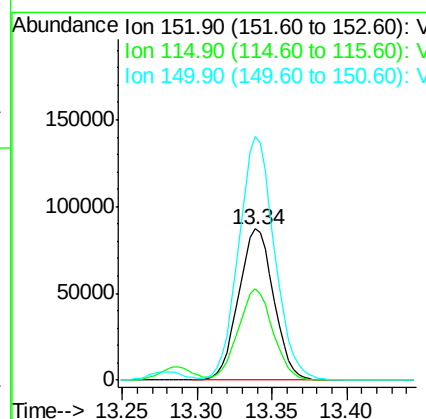
Manual Integrations
APPROVED

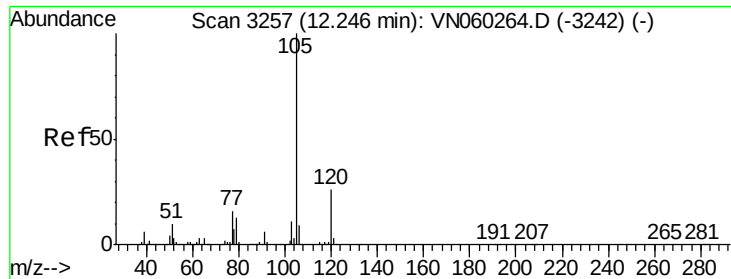
MMDadoda
3/12/2020 2:45:29 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.0	90.0
150	164.1	0.0	349.6





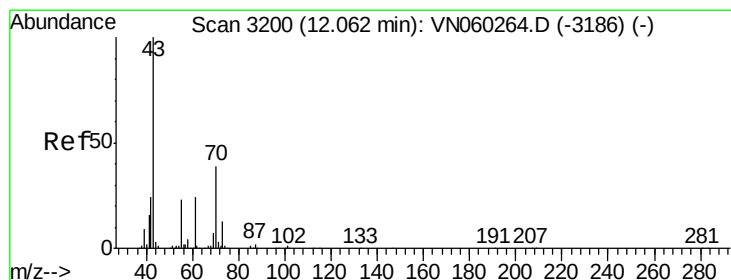
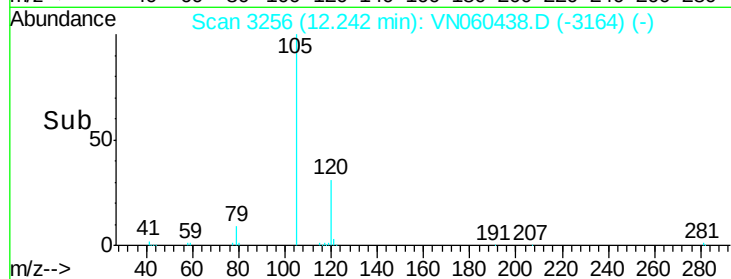
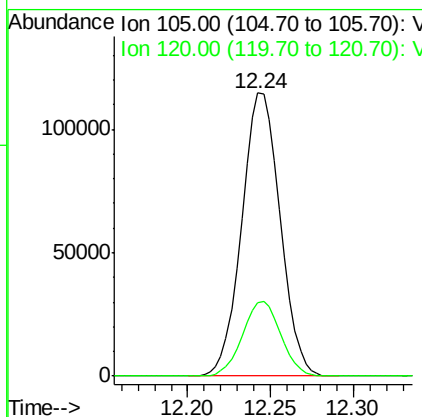
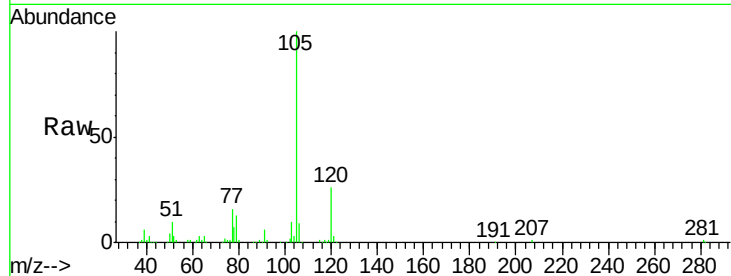
#73
Isopropylbenzene
Concen: 17.529 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	185134		
120	26.3	13.0	38.9	

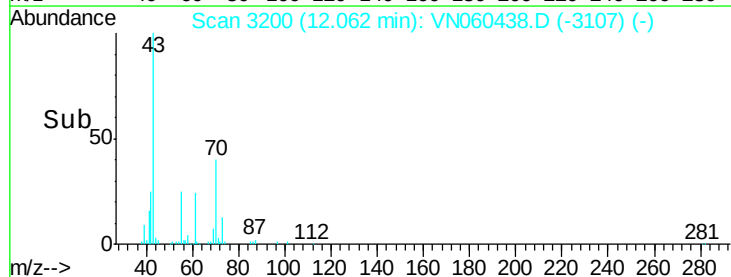
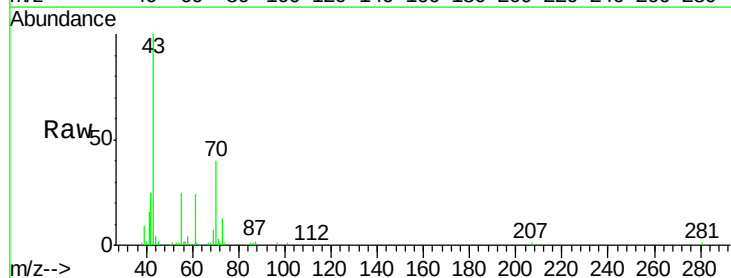
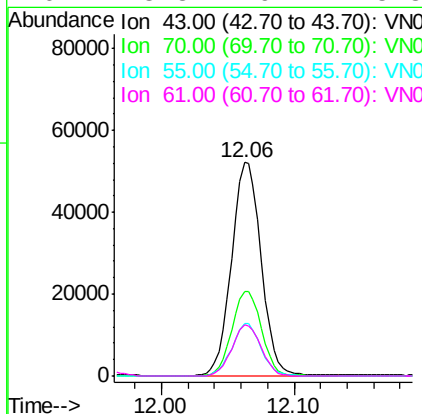
Manual Integrations
APPROVED

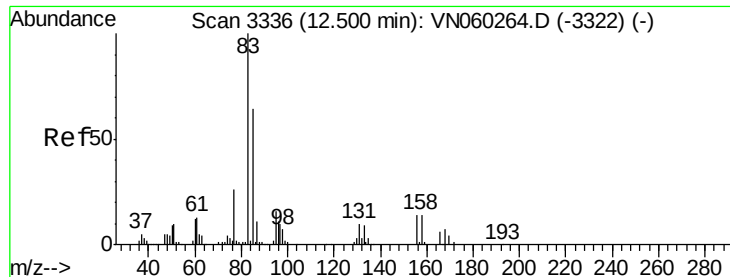
MMDadoda
3/12/2020 2:45:29 PM



#74
N-ethyl acetate
Concen: 17.623 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	81332		
70	39.5	32.2	48.2	
55	23.9	18.2	27.4	
61	23.3	19.2	28.8	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.880 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

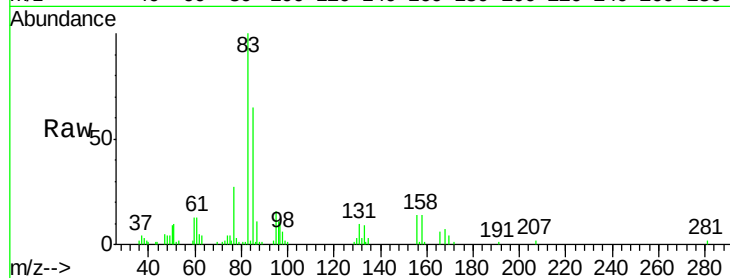
ClientSampleId :

VN0311WBS01

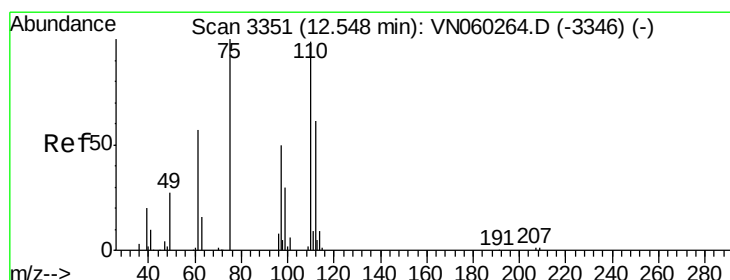
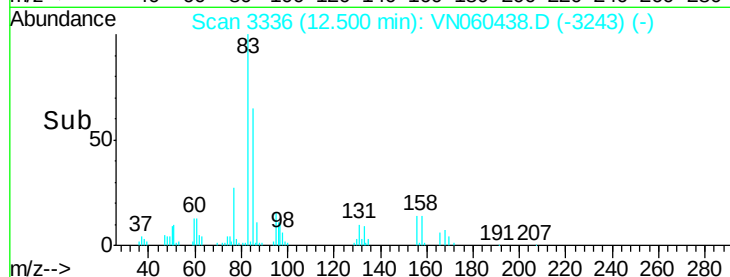
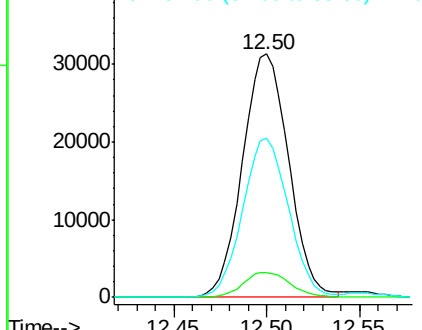
Tot Ion:	83	Resp:	54204
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.8	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060438.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 16.605 ug/l m

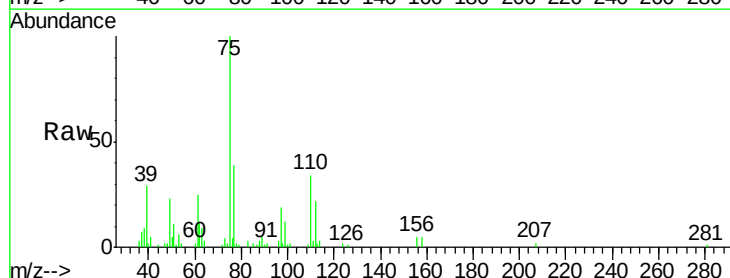
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

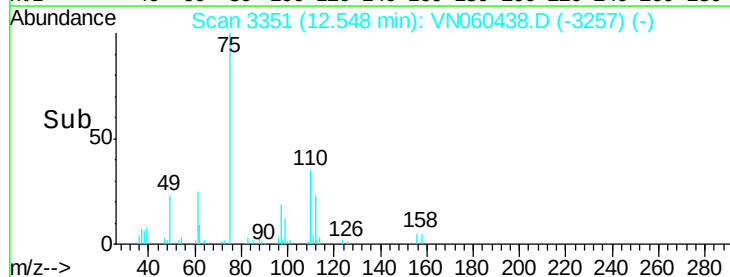
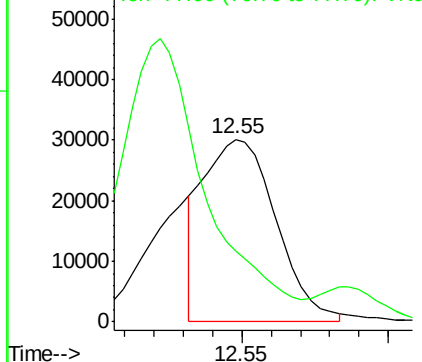
Lab File: VN060438.D

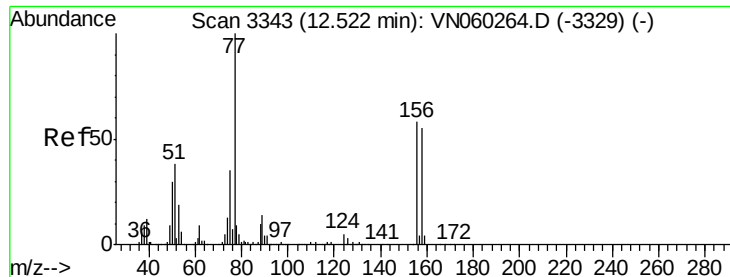
Acq: 11 Mar 2020 10:29

Tgt Ion:	75	Resp:	51913
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060438.D (-3257) (-)





#77

Bromobenzene

Concen: 16.956 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

Tot Ion:156 Resp: 43899

Ion Ratio Lower Upper

156 100

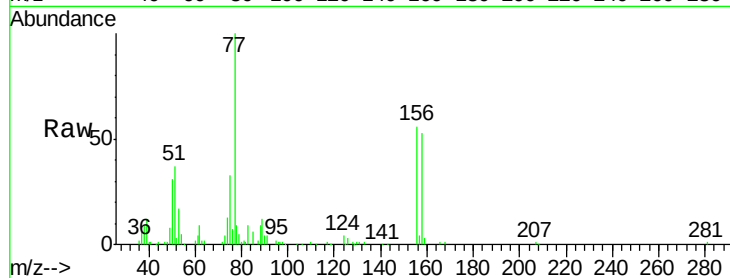
77 217.8 106.1 318.3

158 97.8 48.3 144.8

Manual Integrations
APPROVED

MMDadoda

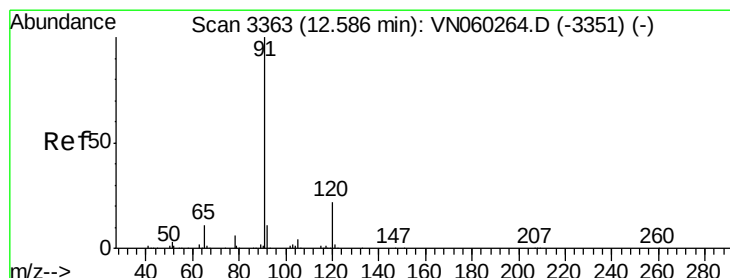
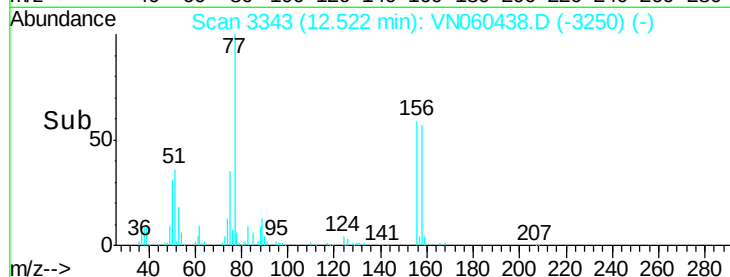
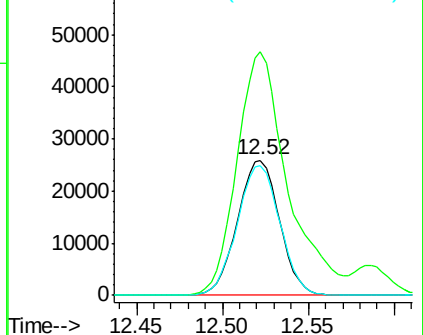
3/12/2020 2:45:29 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.163 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060438.D

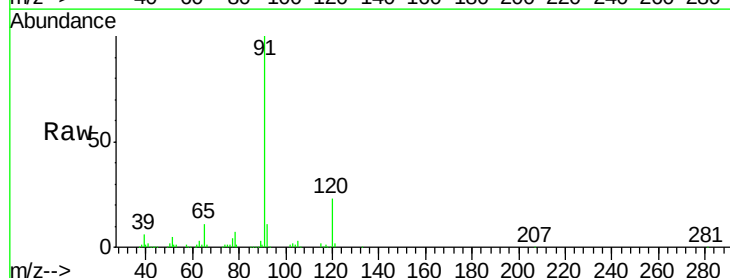
Acq: 11 Mar 2020 10:29

Tgt Ion: 91 Resp: 212486

Ion Ratio Lower Upper

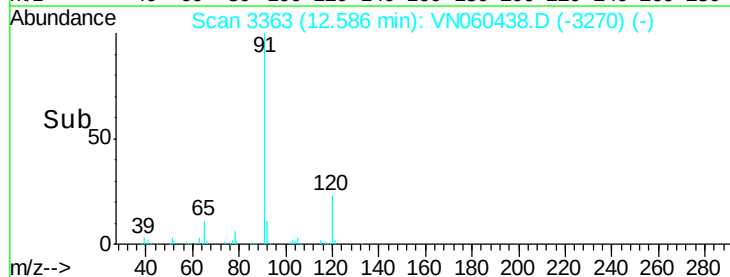
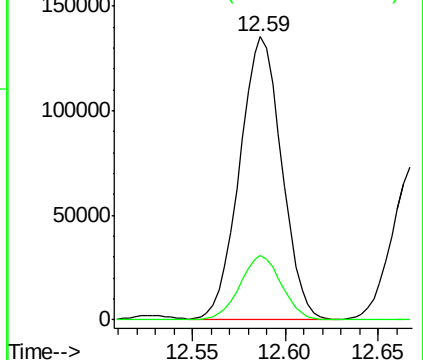
91 100

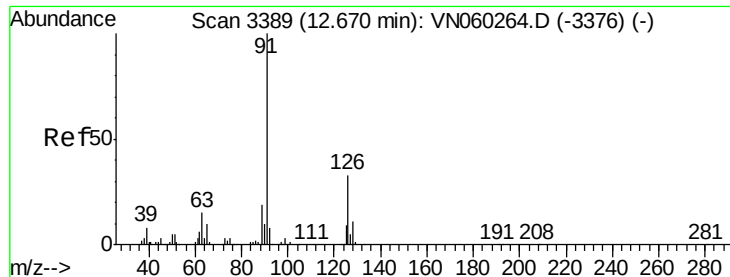
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





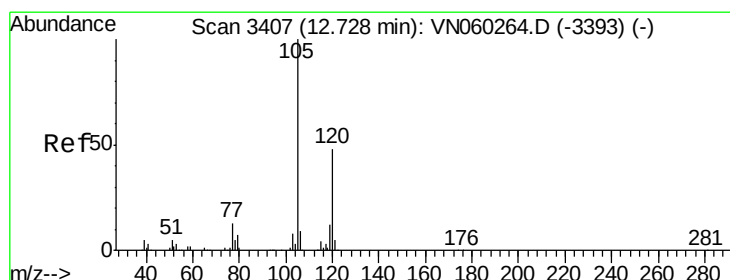
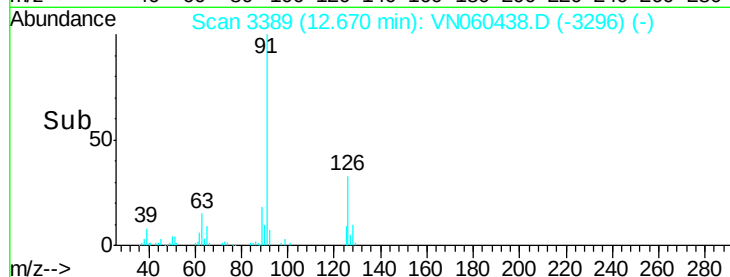
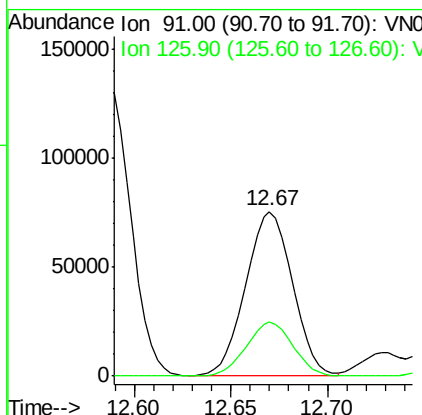
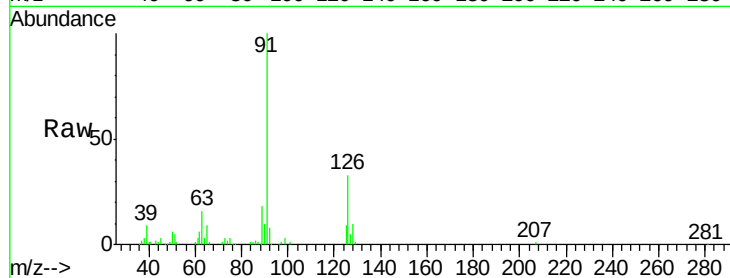
#79
 2-Chlorotoluene
 Concen: 17.481 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion: 91 Resp: 127215
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.6 49.8

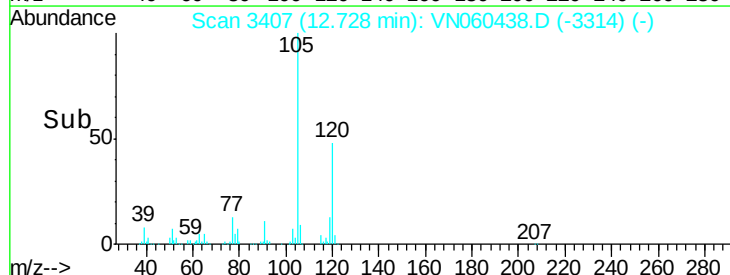
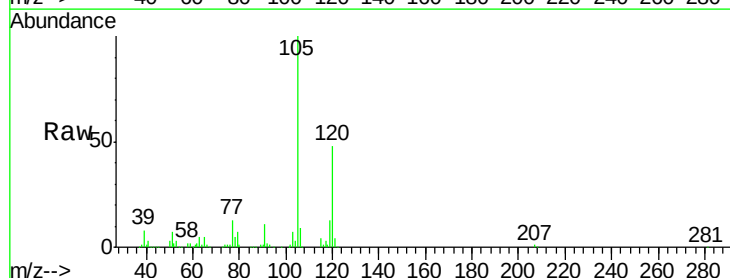
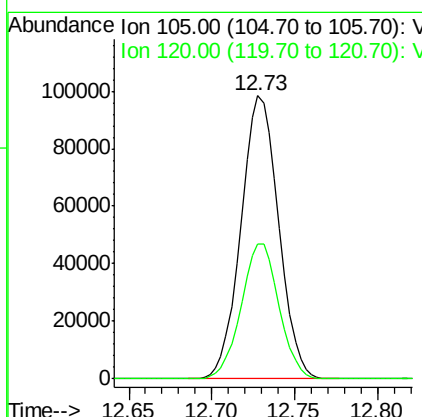
Manual Integrations
 APPROVED

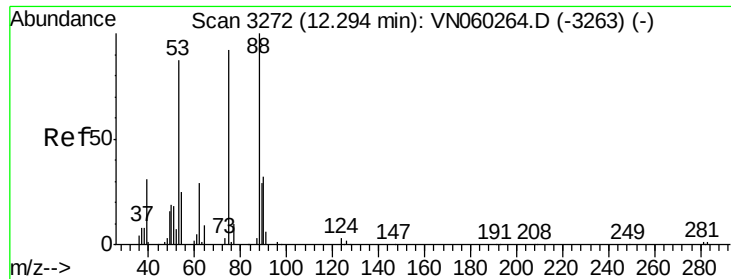
MMDadoda
 3/12/2020 2:45:29 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 17.451 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion: 105 Resp: 155183
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4





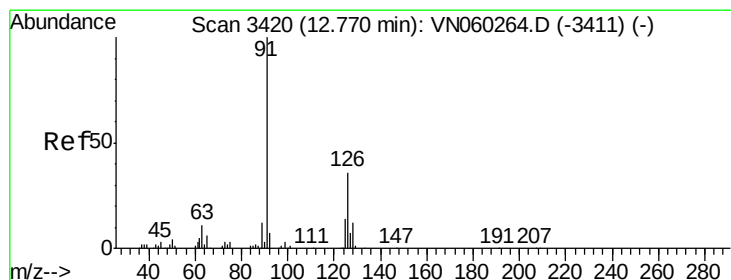
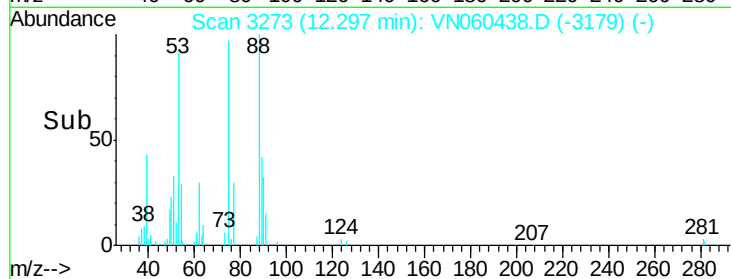
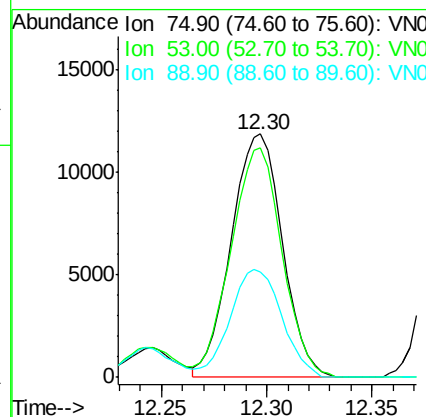
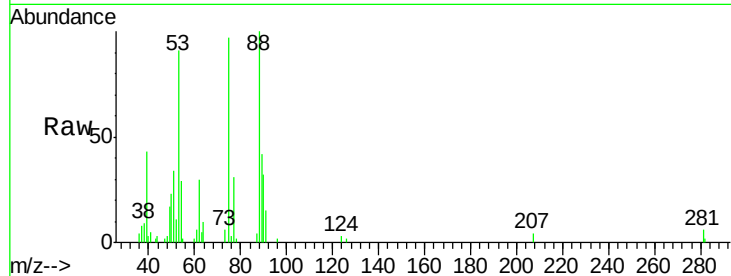
#81
trans-1,4-Dichloro-2-butene
Concen: 17.662 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	73.8	110.6
89	44.8	57.1	85.7#

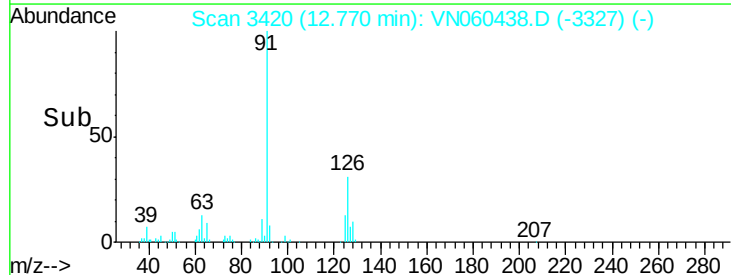
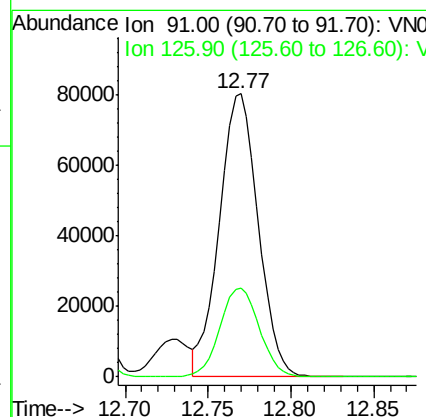
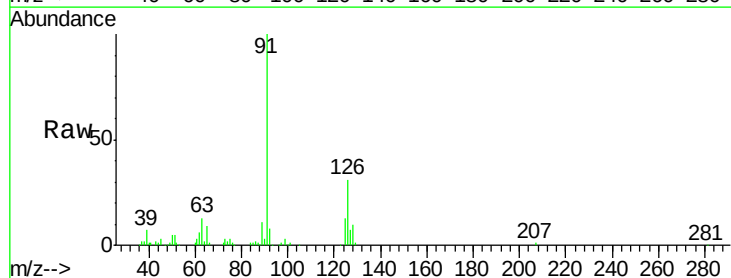
Manual Integrations
APPROVED

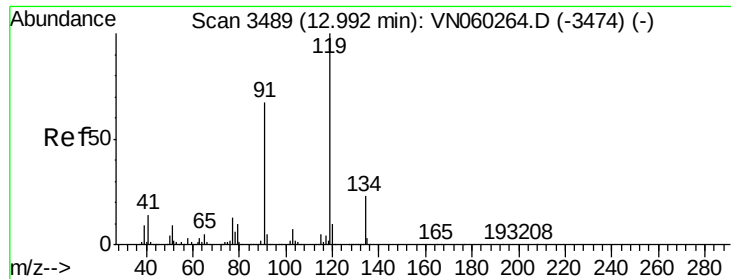
MMDadoda
3/12/2020 2:45:29 PM



#82
4-Chlorotoluene
Concen: 17.030 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.7	50.1





#83

tert-Butylbenzene

Concen: 16.895 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

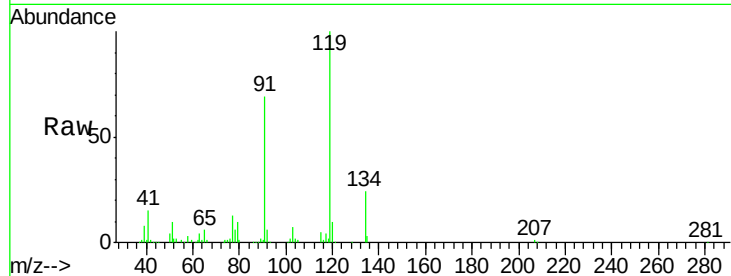
ClientSampleId :

VN0311WBS01

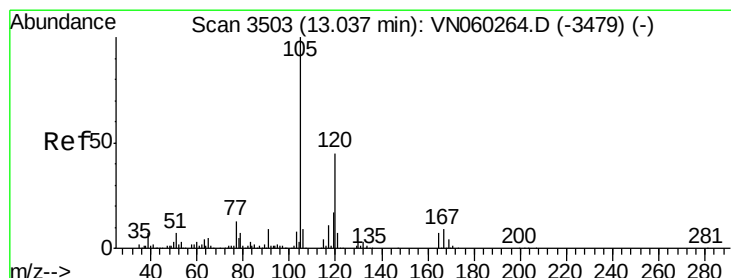
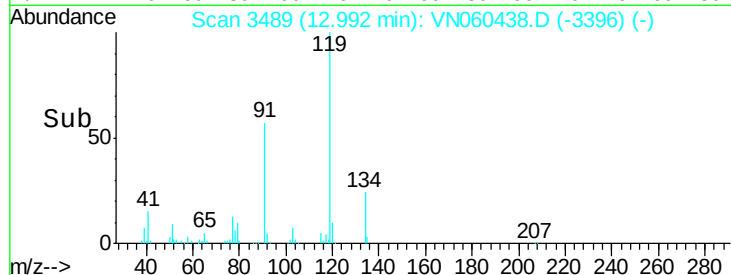
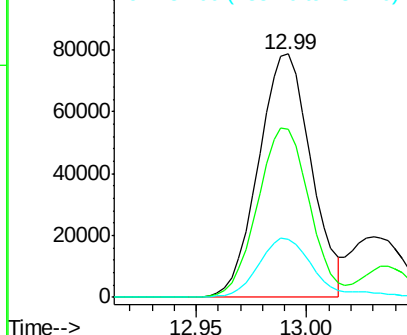
Tot Ion:	119	Resp:	130081
Ion Ratio	Lower	Upper	
119	100		
91	68.8	33.1	99.2
134	25.8	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 16.970 ug/l

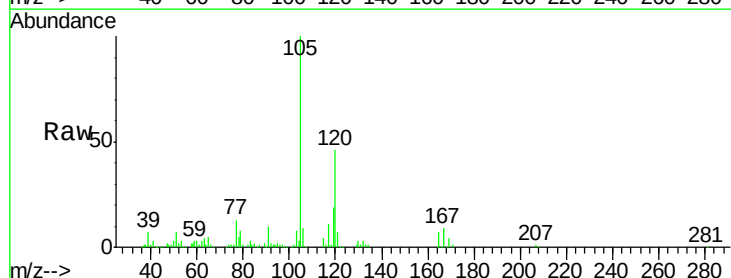
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

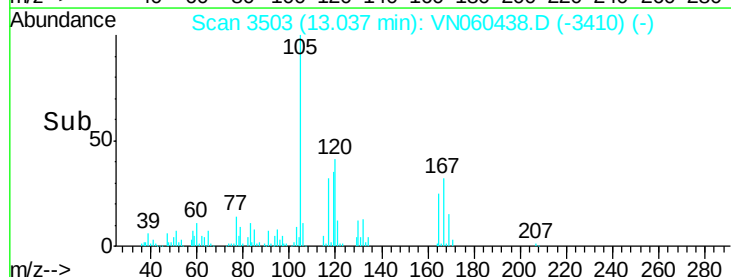
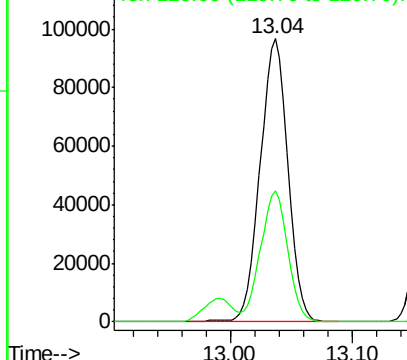
Lab File: VN060438.D

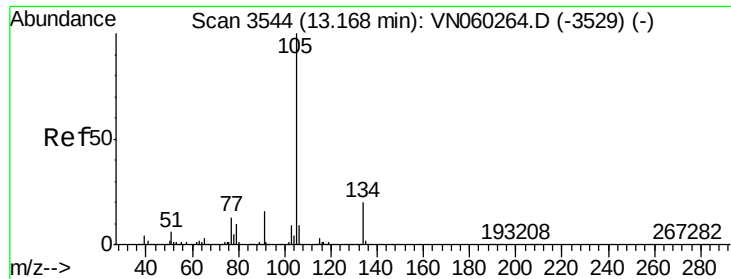
Acq: 11 Mar 2020 10:29

Tgt Ion:	105	Resp:	152315
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.064 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

ClientSampleId :

VN0311WBS01

Tot Ion:105 Resp: 175933

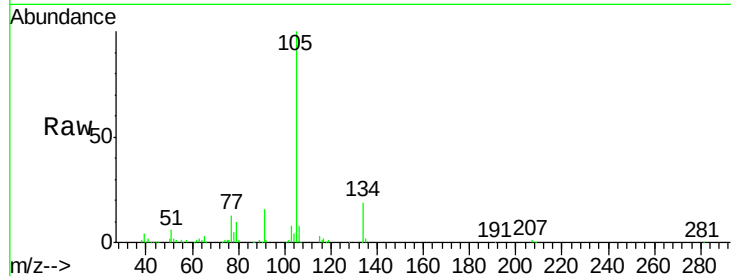
Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.5

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

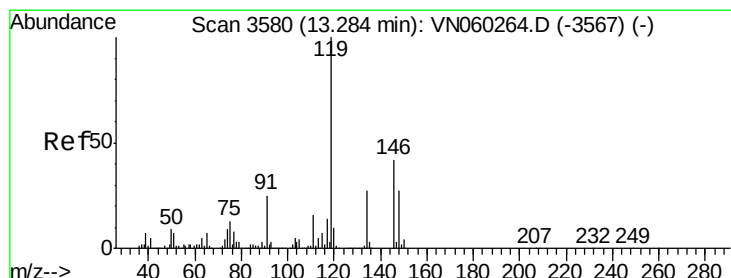
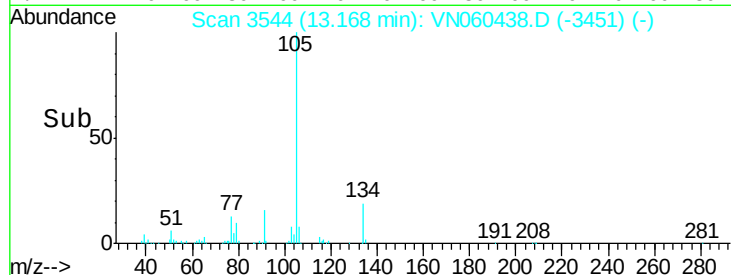
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 16.592 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

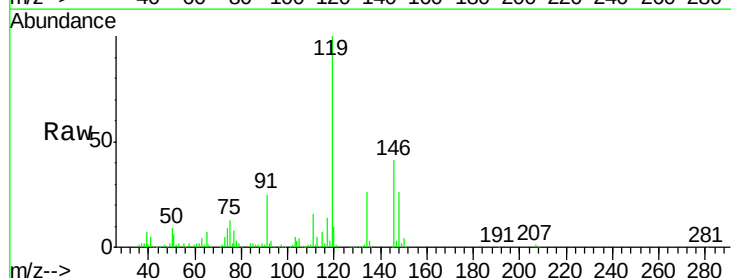
Tgt Ion:119 Resp: 158328

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 24.4 12.2 36.6



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

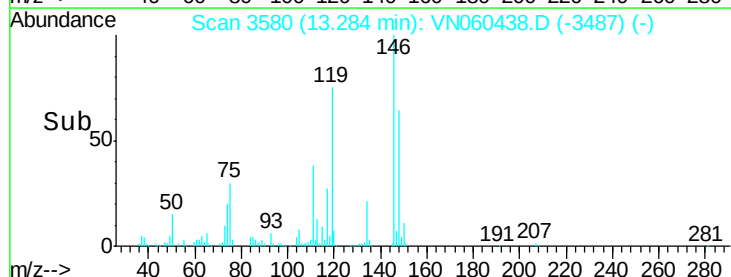
100000

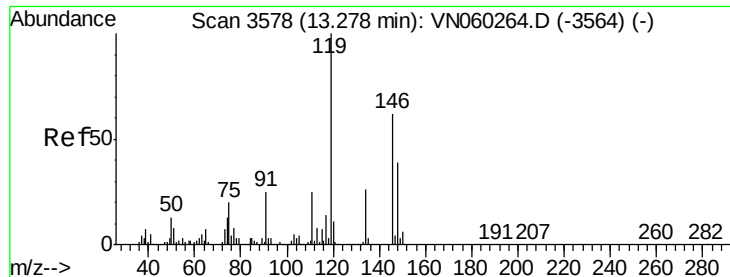
50000

0

13.20 13.25 13.30 13.35

Time-->





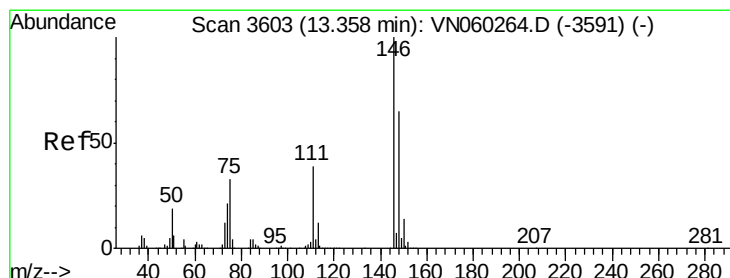
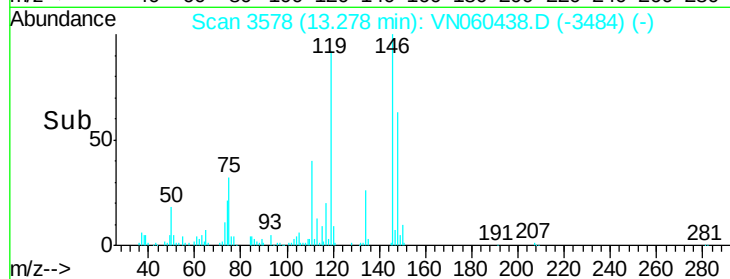
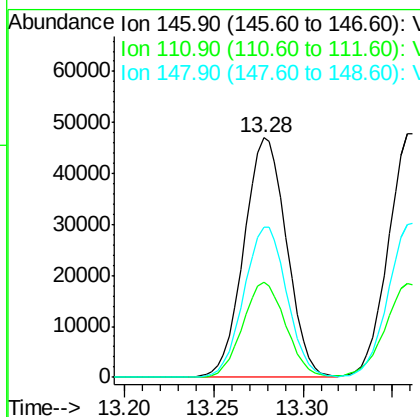
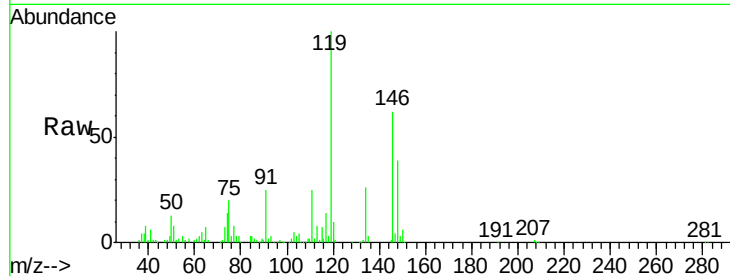
#87
 1,3-Dichlorobenzene
 Concen: 17.578 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.2	32.1	96.3

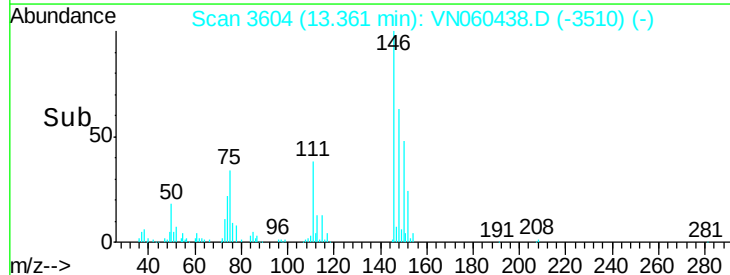
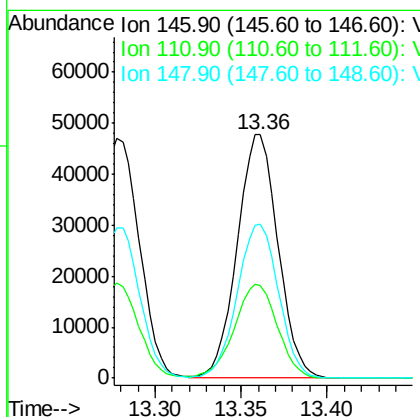
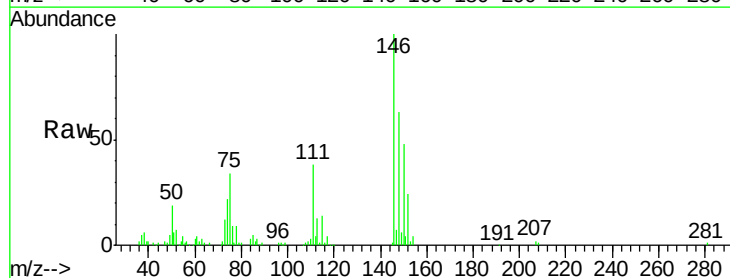
Manual Integrations
 APPROVED

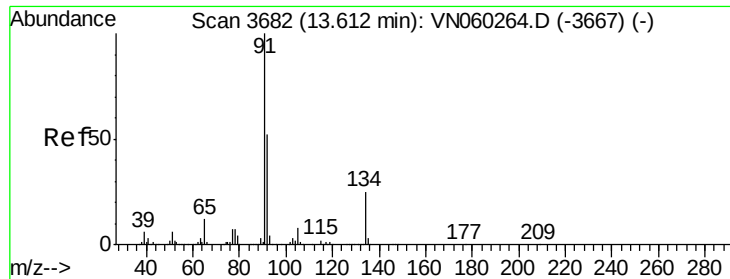
MMDadoda
 3/12/2020 2:45:29 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.619 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.4
148	64.1	32.3	96.9





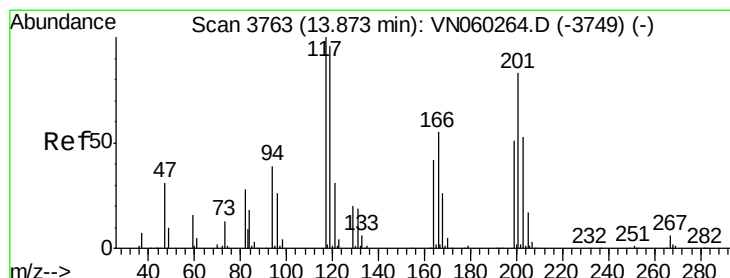
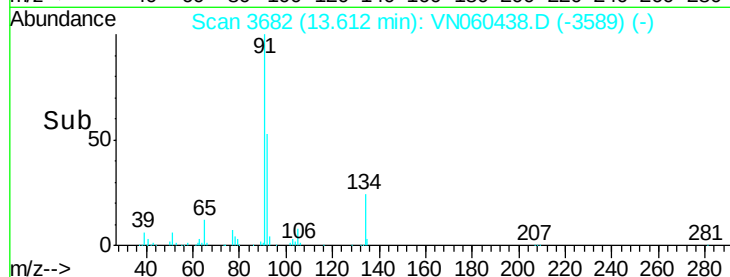
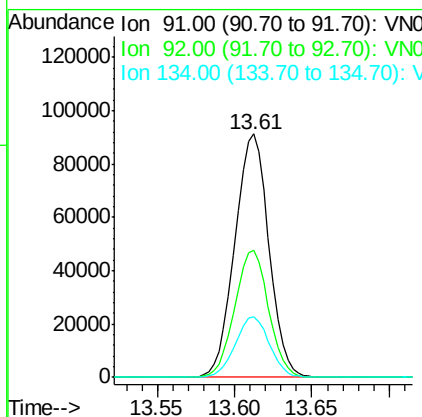
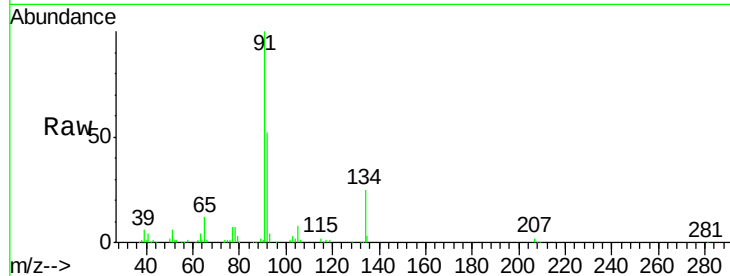
#89
n-Butylbenzene
Concen: 15.919 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	24.9	12.7	38.1

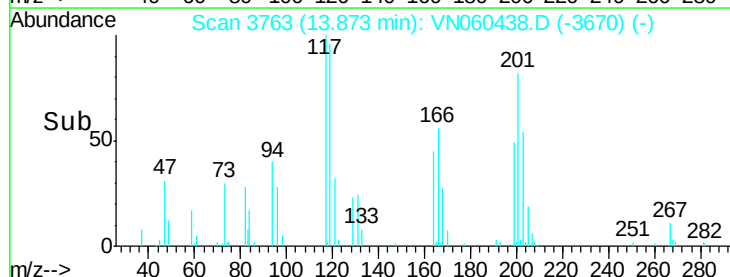
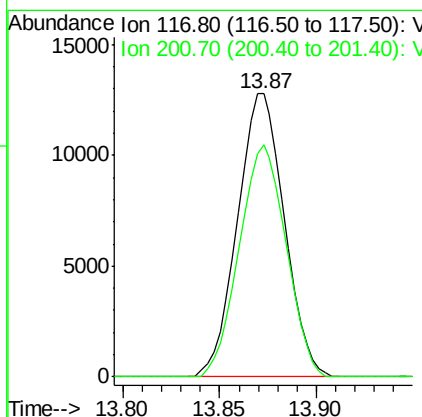
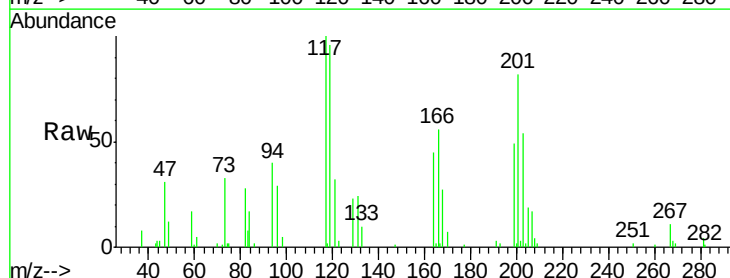
Manual Integrations
APPROVED

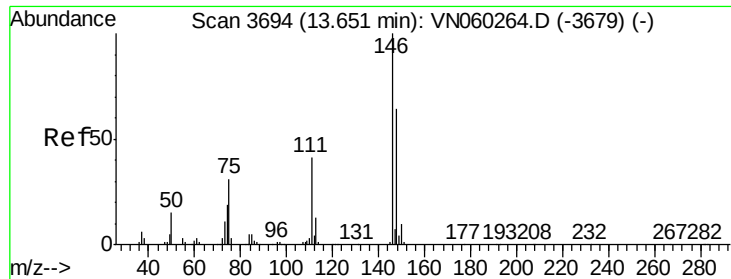
MMDadoda
3/12/2020 2:45:29 PM



#90
Hexachloroethane
Concen: 15.589 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060438.D
Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	41.0	123.0





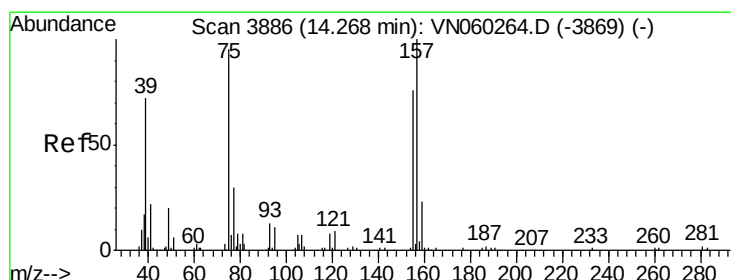
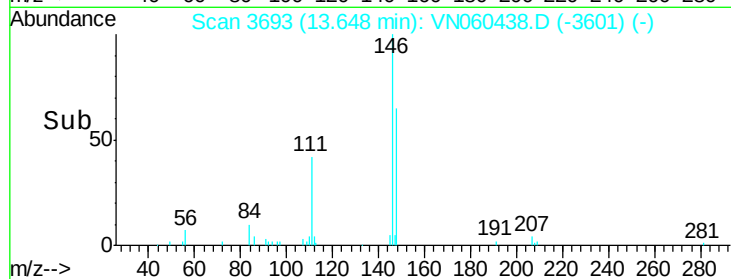
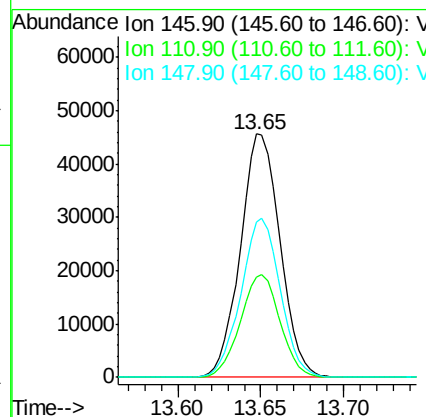
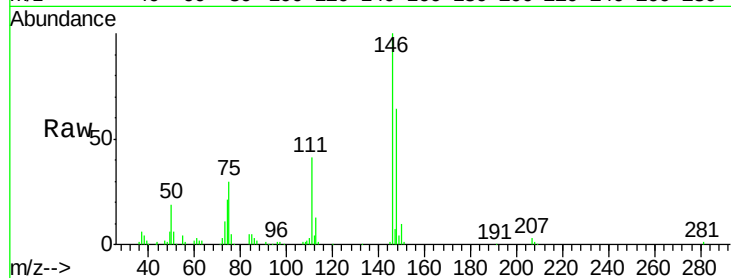
#91
 1,2-Dichlorobenzene
 Concen: 16.758 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	64.7	31.8	95.3

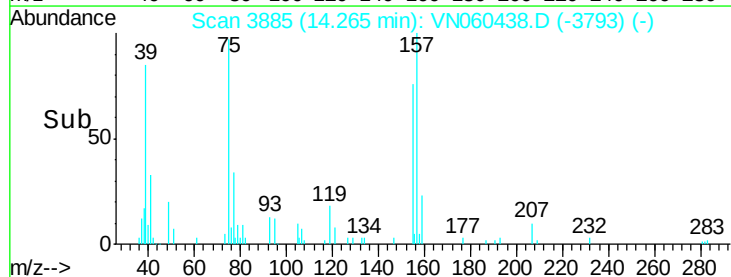
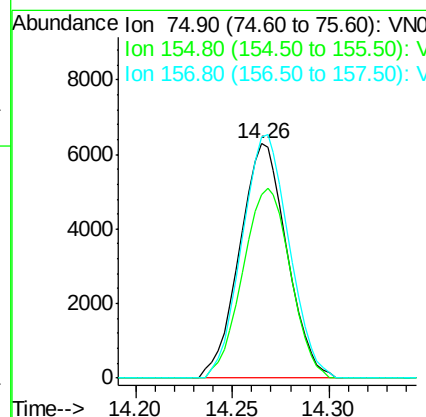
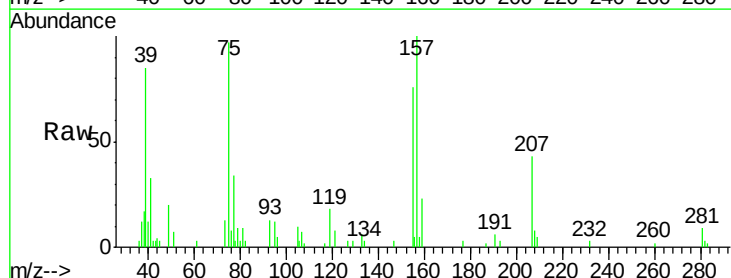
Manual Integrations
 APPROVED

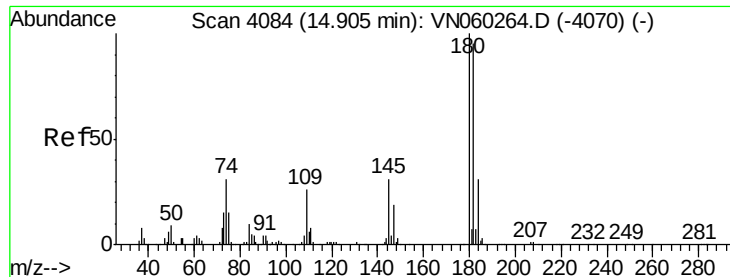
MMDadoda
 3/12/2020 2:45:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.449 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.4	121.2
157	103.4	52.5	157.5





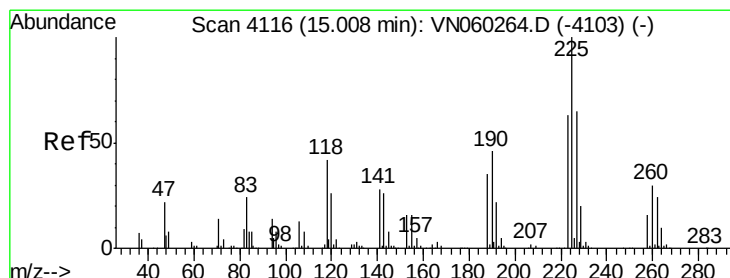
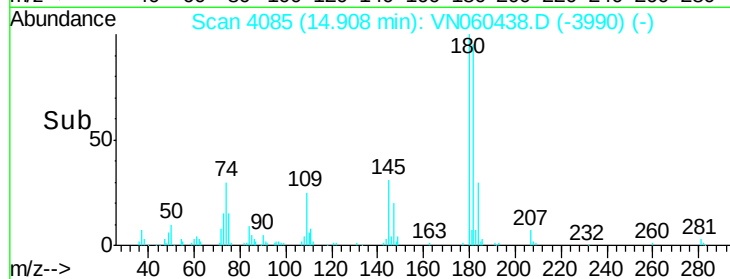
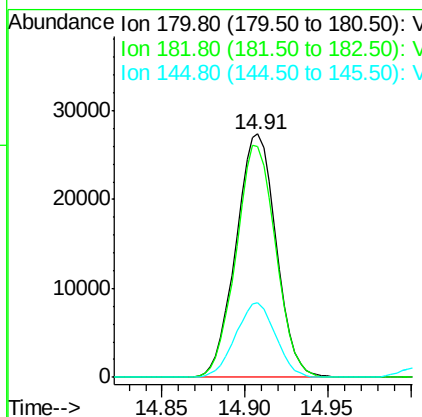
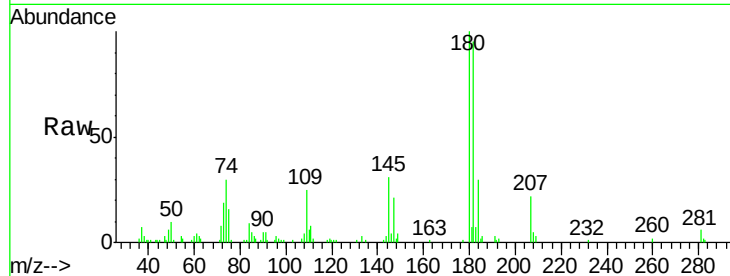
#93
 1,2,4-Trichlorobenzene
 Concen: 16.066 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0311WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.3
145	30.4	15.4	46.1

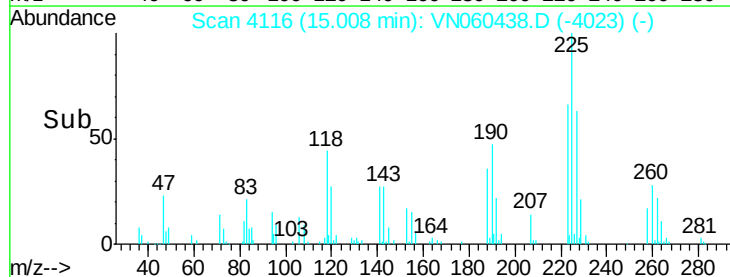
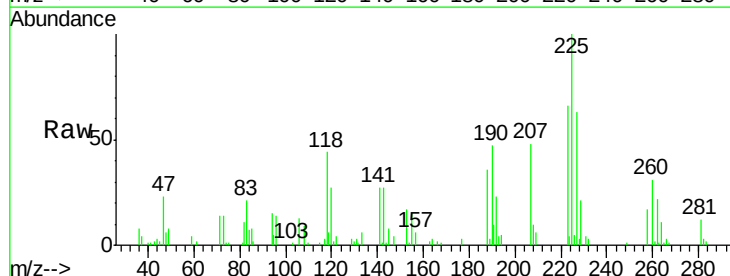
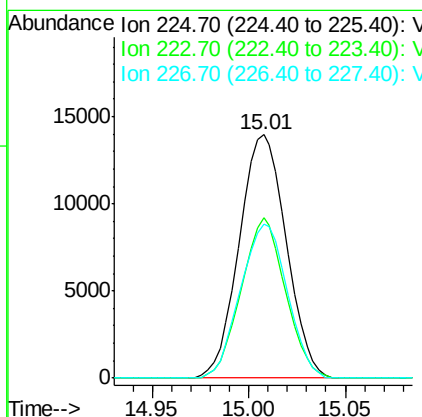
Manual Integrations
 APPROVED

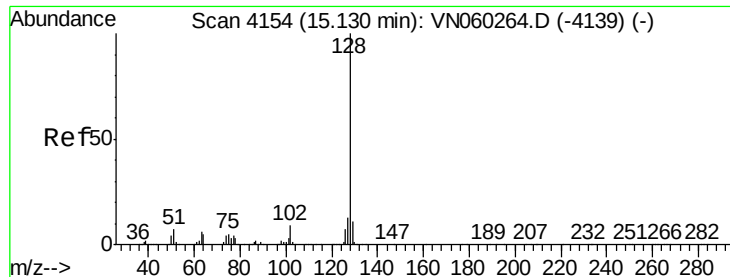
MMDadoda
 3/12/2020 2:45:29 PM



#94
 Hexachlorobutadiene
 Concen: 17.443 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060438.D
 Acq: 11 Mar 2020 10:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.9
227	62.9	32.3	96.9





#95

Naphthalene

Concen: 15.513 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Instrument :

MSVOA_N

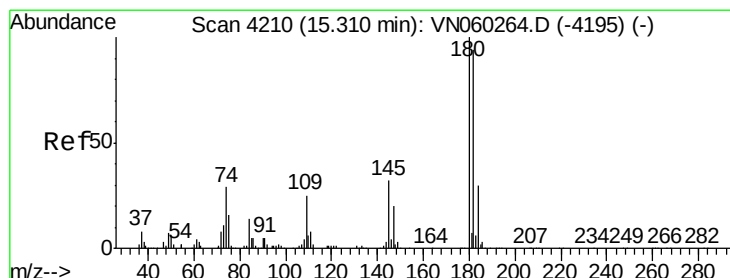
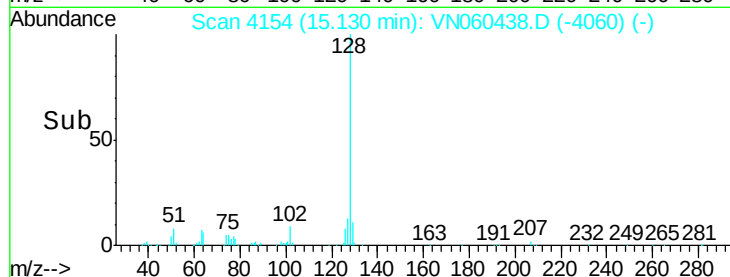
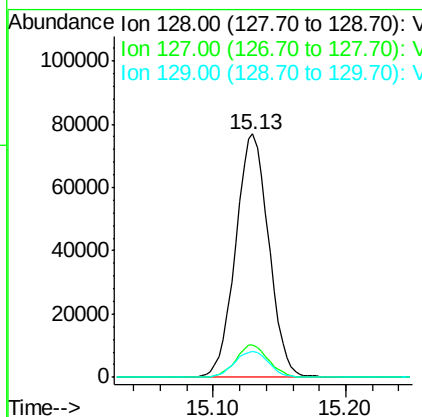
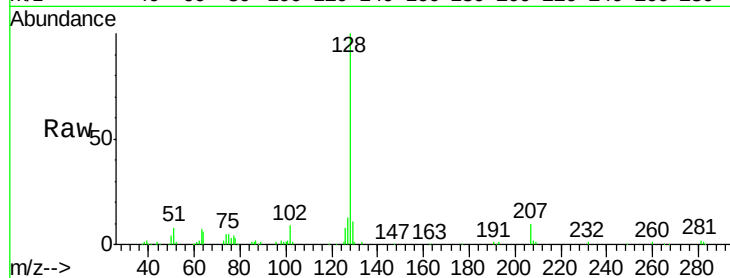
ClientSampleId :

VN0311WBS01

Tot Ion:	128	Resp:	133307
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:45:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.441 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060438.D

Acq: 11 Mar 2020 10:29

Tgt Ion:	180	Resp:	44965
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.3	142.0
145	32.7	16.2	48.5

