

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060644.D
 Acq On : 19 Mar 2020 18:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:39 PM

Quant Time: Mar 20 08:24:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131127	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.56	113	97616	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.08	98	390334	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.40	95	147359	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96939	51.062	ug/l	99
3) Chloromethane	2.04	50	167902	47.354	ug/l	100
4) Vinyl Chloride	2.16	62	138028	49.770	ug/l	99
5) Bromomethane	2.54	94	60472	50.512	ug/l	98
6) Chloroethane	2.68	64	80662	50.491	ug/l	100
7) Trichlorofluoromethane	3.00	101	172018	50.352	ug/l	100
8) Diethyl Ether	3.38	74	70404	51.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100213	50.624	ug/l	99
10) Methyl Iodide	3.93	142	96831	54.972	ug/l	100
11) Tert butyl alcohol	4.73	59	113560	286.679	ug/l	100
12) 1,1-Dichloroethene	3.72	96	104332	49.114	ug/l	98
13) Acrolein	3.58	56	83895	191.095	ug/l	99
14) Allyl chloride	4.29	41	181575	48.599	ug/l	99
15) Acrylonitrile	4.94	53	309668	265.847	ug/l	100
16) Acetone	3.78	43	251989	264.117	ug/l	99
17) Carbon Disulfide	4.03	76	318542	49.305	ug/l	100
18) Methyl Acetate	4.29	43	138068	51.413	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	367206	50.278	ug/l	98
20) Methylene Chloride	4.52	84	118113	50.325	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	112005	49.471	ug/l	96
22) Diisopropyl ether	5.92	45	410632	52.022	ug/l	96
23) Vinyl Acetate	5.86	43	1734944	269.386	ug/l	99
24) 1,1-Dichloroethane	5.81	63	220631	51.273	ug/l	99
25) 2-Butanone	6.80	43	414397	268.415	ug/l	99
26) 2,2-Dichloropropane	6.80	77	166508	49.181	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	128666	50.010	ug/l	99
28) Bromochloromethane	7.17	49	106121	51.546	ug/l	99
29) Tetrahydrofuran	7.18	42	285361	261.237	ug/l	100
30) Chloroform	7.35	83	209306	50.739	ug/l	98
31) Cyclohexane	7.63	56	206895	47.692	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	181068	50.916	ug/l	99
36) 1,1-Dichloropropene	7.77	75	164639	51.230	ug/l	100
37) Ethyl Acetate	6.90	43	174675	50.303	ug/l	99
38) Carbon Tetrachloride	7.75	117	147975	51.375	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060644.D
 Acq On : 19 Mar 2020 18:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:39 PM

Quant Time: Mar 20 08:24:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	190877	49.980	ug/l	98
40) Benzene	8.02	78	485331	50.027	ug/l	100
41) Methacrylonitrile	7.15	41	85931m	57.985	ug/l	
42) 1,2-Dichloroethane	8.10	62	167337	50.472	ug/l	100
43) Isopropyl Acetate	8.14	43	299177	52.242	ug/l	100
44) Trichloroethene	8.82	130	121192	49.555	ug/l	99
45) 1,2-Dichloropropane	9.10	63	131664	51.434	ug/l	98
46) Dibromomethane	9.19	93	80107	51.762	ug/l	100
47) Bromodichloromethane	9.39	83	166184	51.675	ug/l	99
48) Methyl methacrylate	9.18	41	136280	53.449	ug/l	99
49) 1,4-Dioxane	9.18	88	38514	1270.816	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	888651	272.693	ug/l	100
52) Toluene	10.14	92	297856	50.838	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	193017	52.251	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	206361	50.921	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114805	50.933	ug/l	99
56) Ethyl methacrylate	10.42	69	192828	54.866	ug/l	100
57) 1,3-Dichloropropane	10.70	76	201235	51.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	485549	277.969	ug/l	100
59) 2-Hexanone	10.74	43	657355	280.026	ug/l	99
60) Dibromochloromethane	10.89	129	124073	53.289	ug/l	100
61) 1,2-Dibromoethane	10.99	107	118723	52.381	ug/l	100
64) Tetrachloroethene	10.62	164	112351	46.121	ug/l	99
65) Chlorobenzene	11.43	112	303215	49.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	113206	50.949	ug/l	98
67) Ethyl Benzene	11.50	91	571931	50.115	ug/l	99
68) m/p-Xylenes	11.62	106	419204	98.848	ug/l	98
69) o-Xylene	11.94	106	204679	50.558	ug/l	99
70) Styrene	11.96	104	351889	53.146	ug/l	99
71) Bromoform	12.12	173	91340	49.479	ug/l #	99
73) Isopropylbenzene	12.24	105	545492	48.469	ug/l	99
74) N-amyl acetate	12.06	43	274681	52.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171984	50.532	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	153328m	47.382	ug/l	
77) Bromobenzene	12.52	156	131274	48.406	ug/l	99
78) n-propylbenzene	12.59	91	644426	48.466	ug/l	99
79) 2-Chlorotoluene	12.67	91	378257	47.611	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	458889	48.047	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63556	50.442	ug/l	100
82) 4-Chlorotoluene	12.77	91	395951	48.934	ug/l	99
83) tert-Butylbenzene	12.99	119	380540	48.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	459314	48.611	ug/l	100
85) sec-Butylbenzene	13.17	105	510420	47.942	ug/l	100
86) p-Isopropyltoluene	13.28	119	463576	48.422	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	233179	48.751	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232931	48.471	ug/l	99
89) n-Butylbenzene	13.61	91	420992	48.705	ug/l	99
90) Hexachloroethane	13.87	117	71847	51.628	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	223884	48.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36213	50.803	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
Data File : VN060644.D
Acq On : 19 Mar 2020 18:03
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

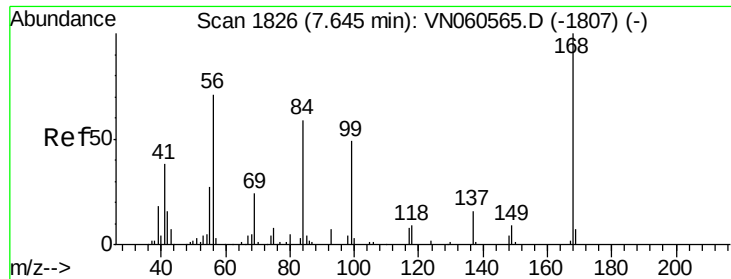
Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM

Quant Time: Mar 20 08:24:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	142188	50.626	ug/l	99
94) Hexachlorobutadiene	15.01	225	62755	45.579	ug/l	99
95) Naphthalene	15.13	128	440061	52.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134294	48.544	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 196206

Ion Ratio Lower Upper

168 100

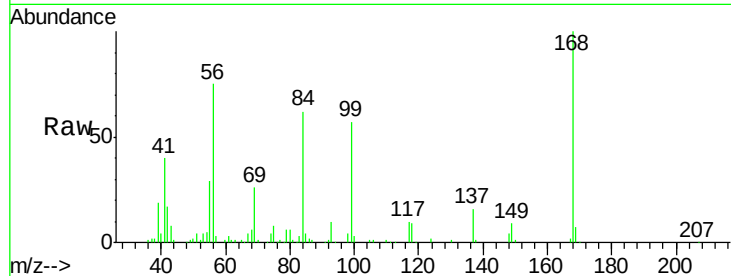
99 56.9 44.0 66.0

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

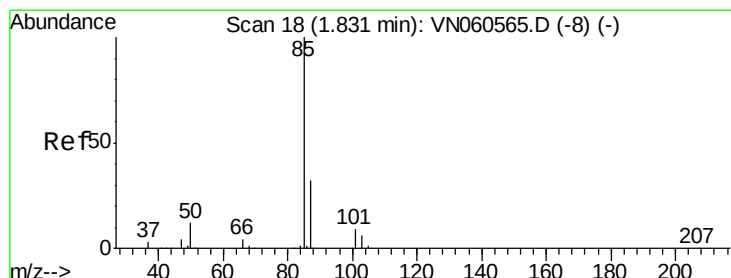
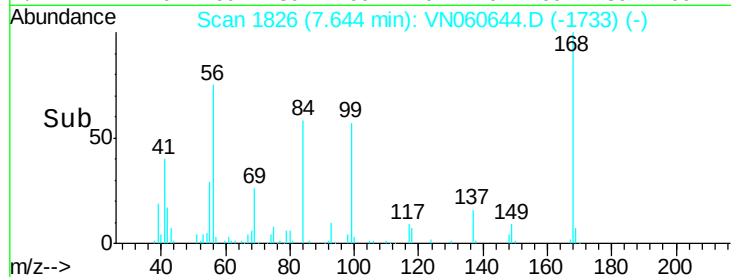
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.062 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060644.D

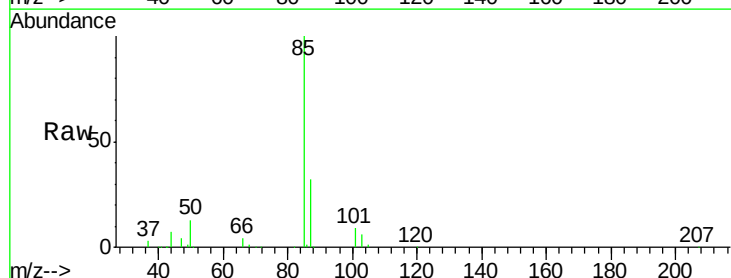
Acq: 19 Mar 2020 18:03

Tgt Ion: 85 Resp: 96939

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

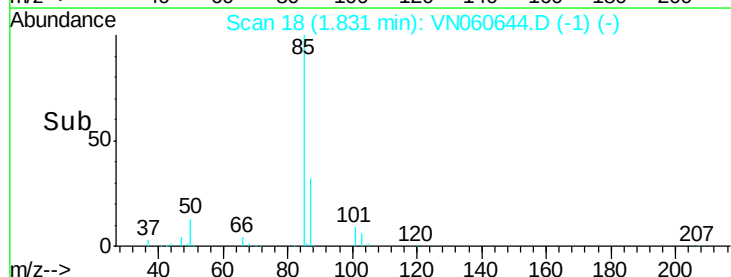
40000

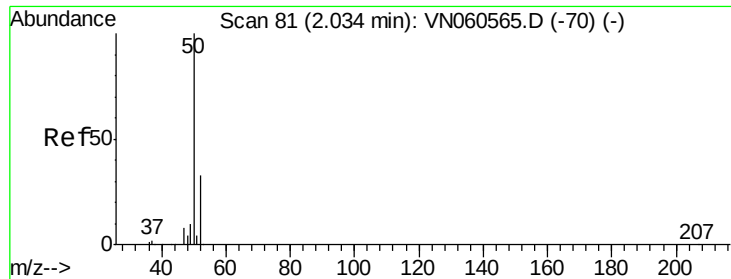
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.354 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 167902

Ion Ratio Lower Upper

50 100

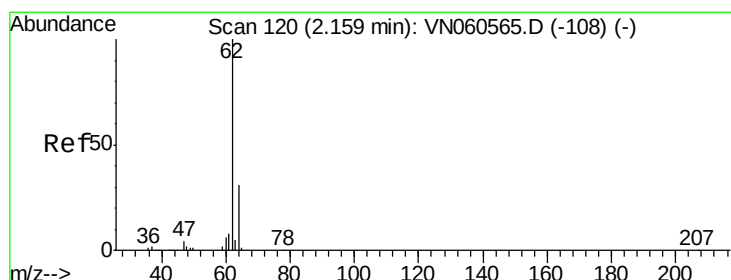
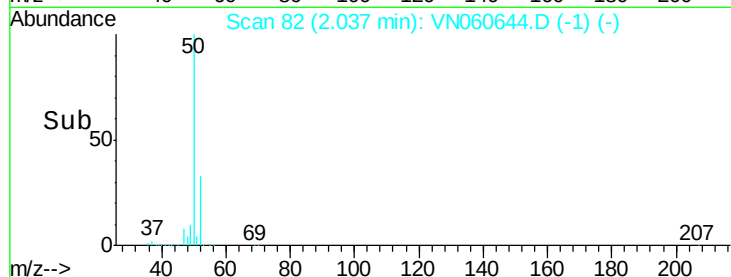
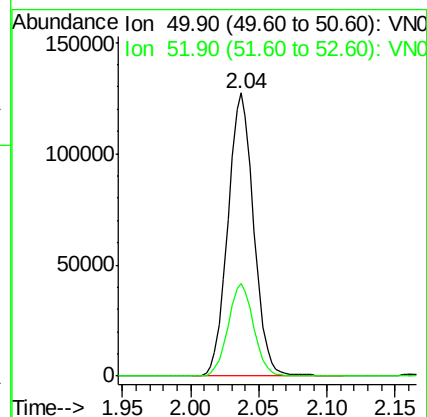
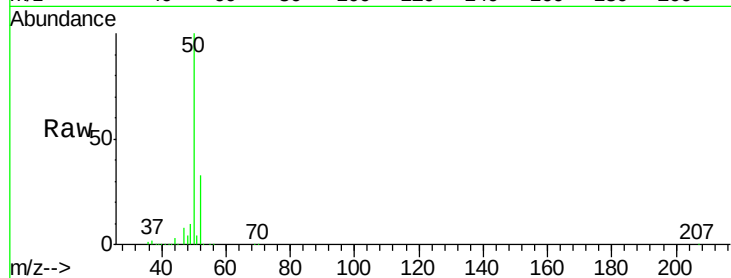
52 32.8 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#4

Vinyl Chloride

Concen: 49.770 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060644.D

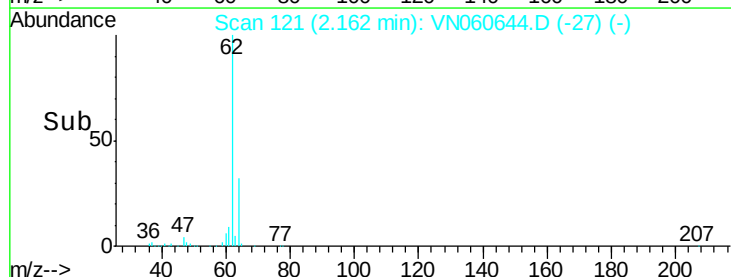
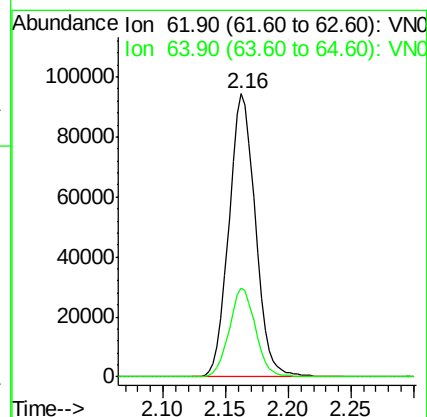
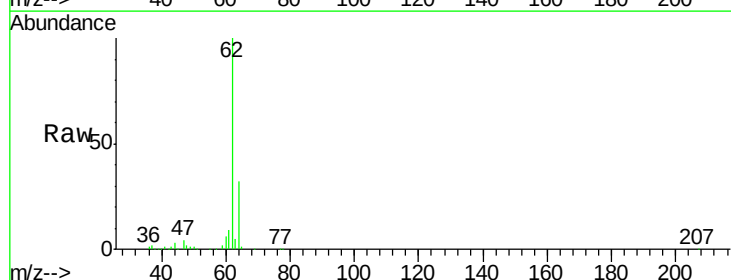
Acq: 19 Mar 2020 18:03

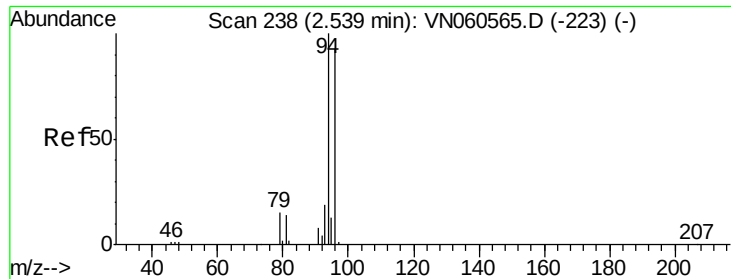
Tgt Ion: 62 Resp: 138028

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1





#5

Bromomethane

Concen: 50.512 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60472

Ion Ratio Lower Upper

94 100

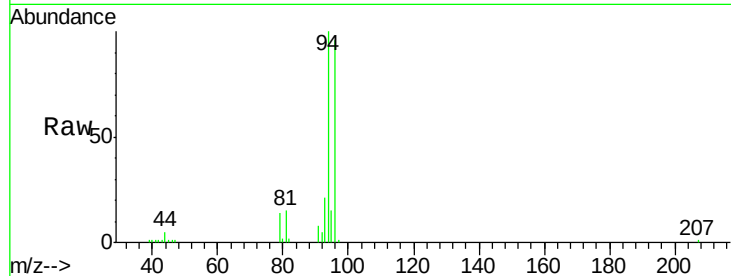
96 95.5 74.6 112.0

Manual Integrations

APPROVED

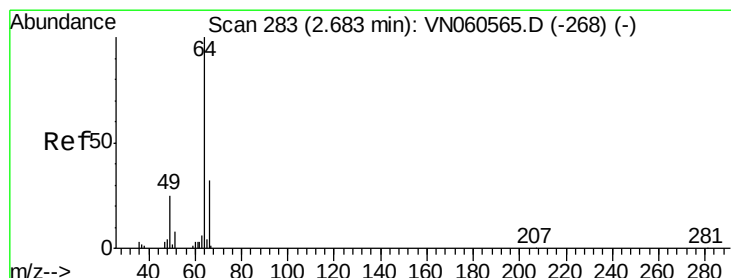
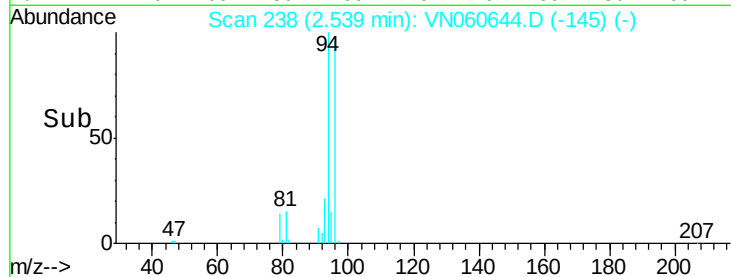
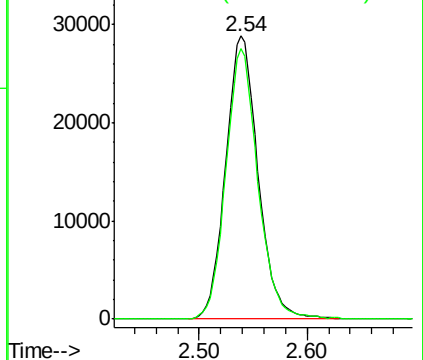
MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.491 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060644.D

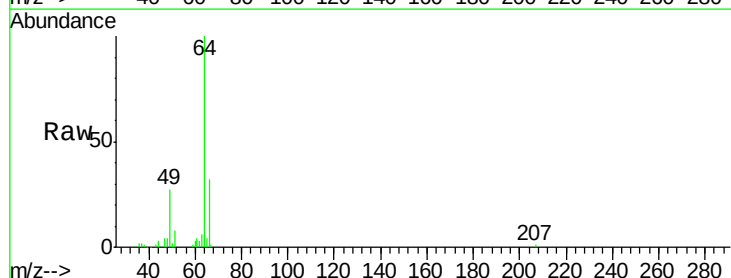
Acq: 19 Mar 2020 18:03

Tgt Ion: 64 Resp: 80662

Ion Ratio Lower Upper

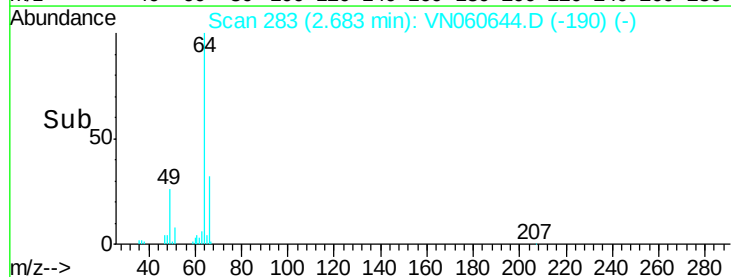
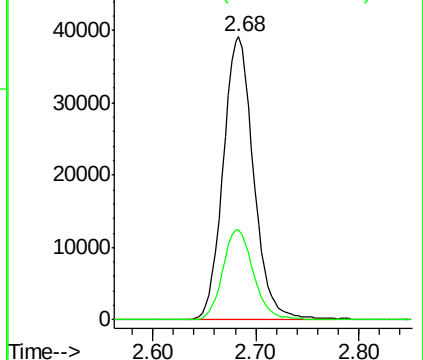
64 100

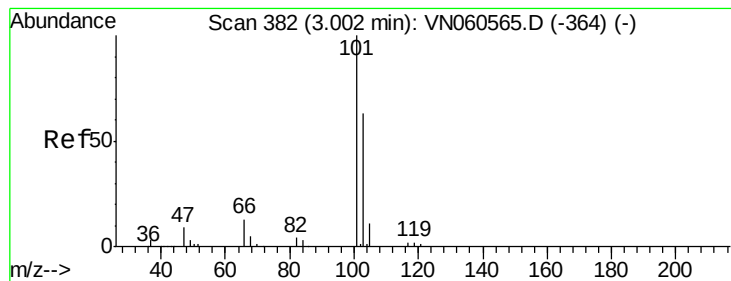
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

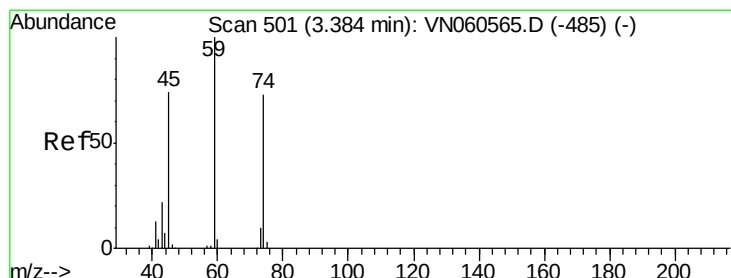
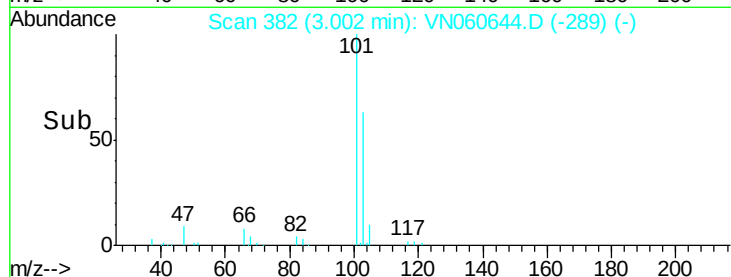
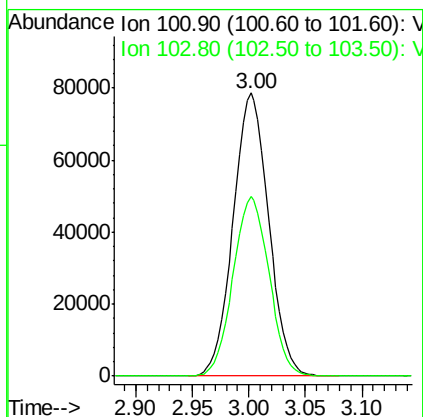
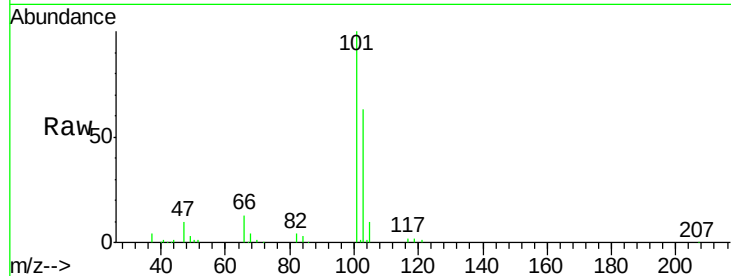
Trichlorofluoromethane
Concen: 50.352 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.6	76.0

Manual Integrations
APPROVED

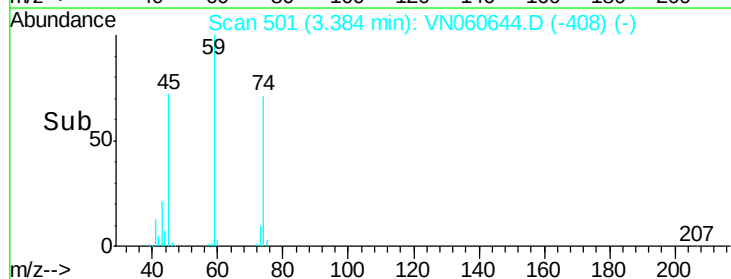
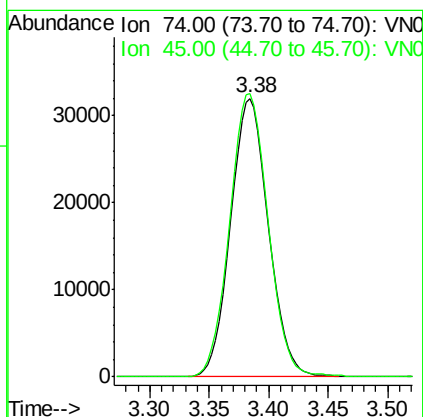
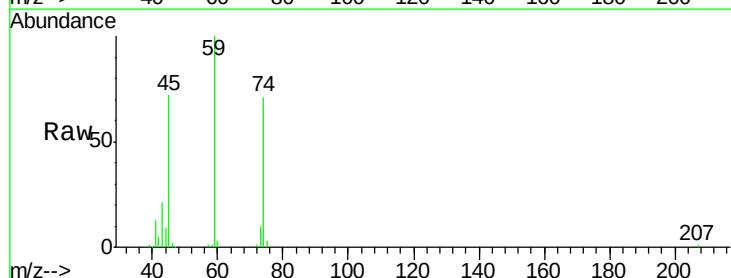
MMDadoda
3/20/2020 12:05:39 PM

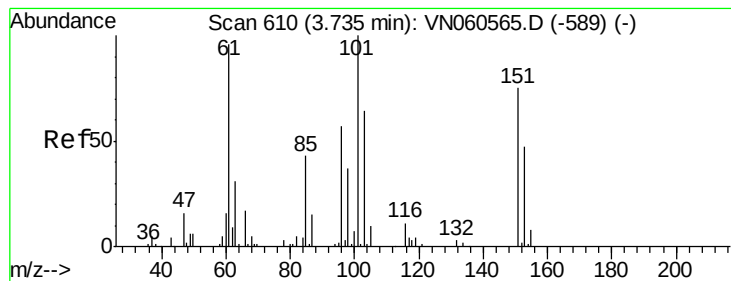


#8

Diethyl Ether
Concen: 51.300 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.624 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

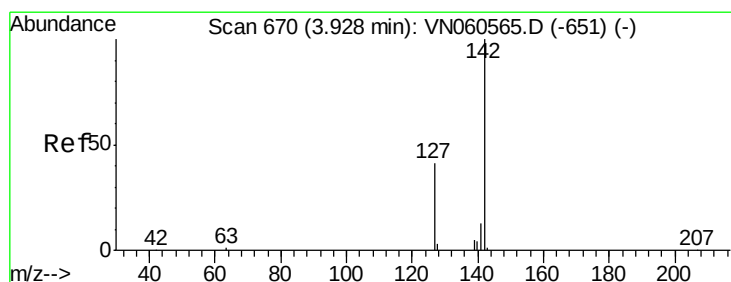
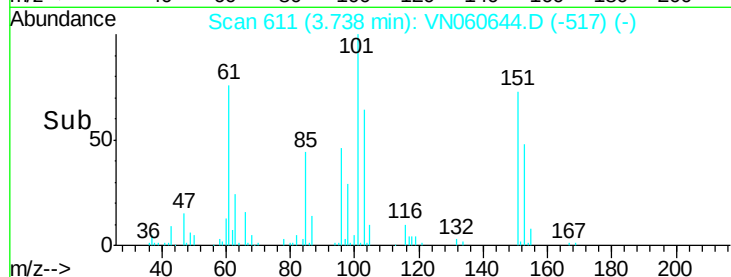
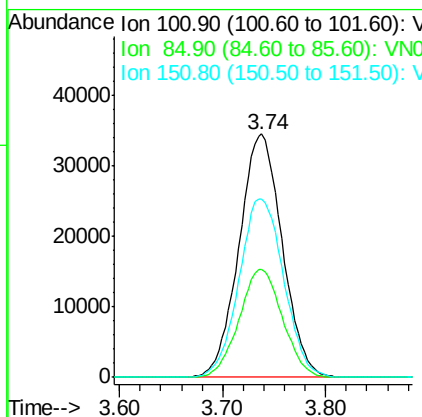
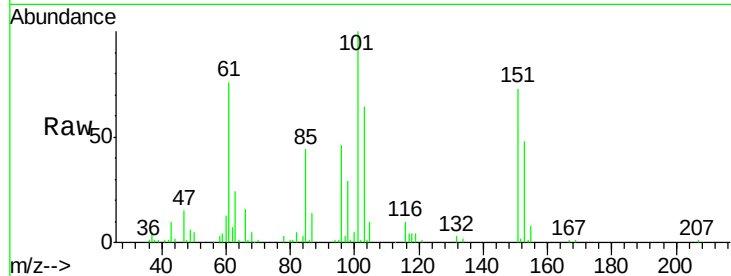
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100213
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	76.0	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#10

Methyl Iodide

Concen: 54.972 ug/l

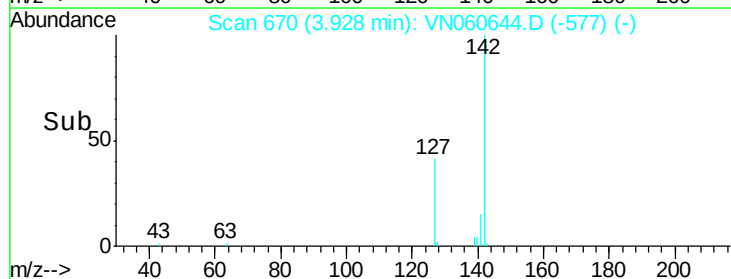
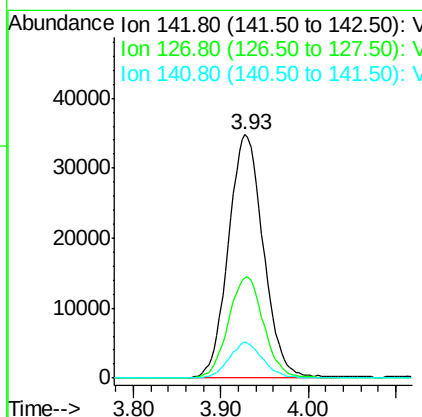
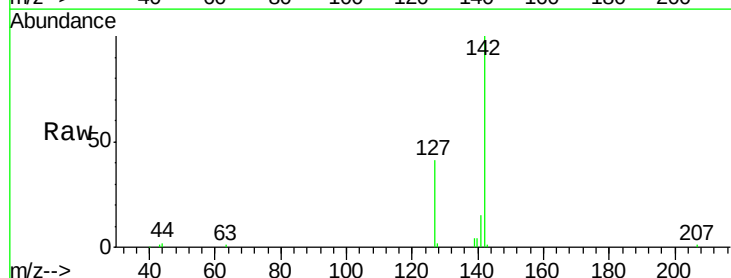
RT: 3.93 min Scan# 670

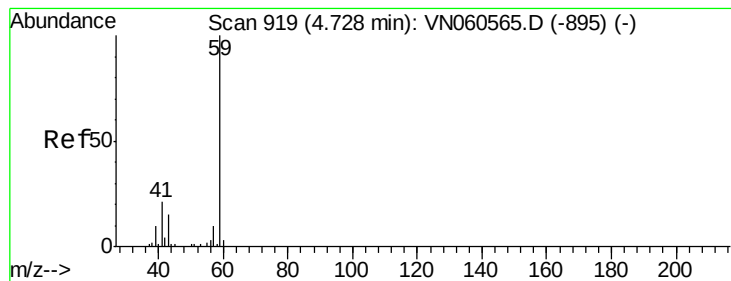
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion:	142	Resp:	96831
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.5	50.3
141	14.1	11.0	16.6





#11

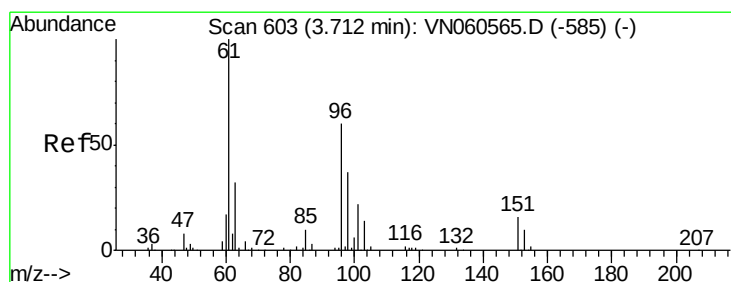
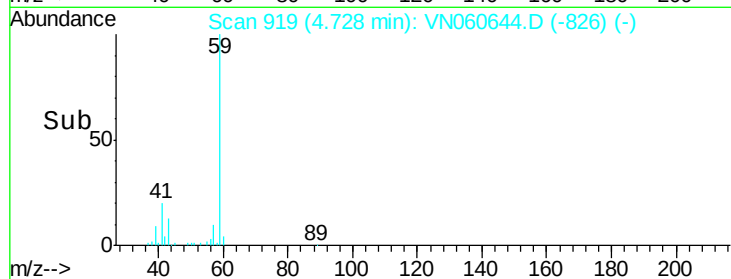
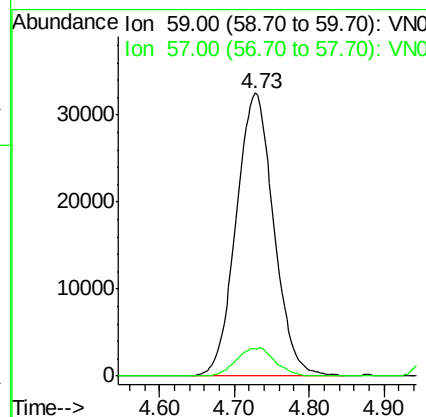
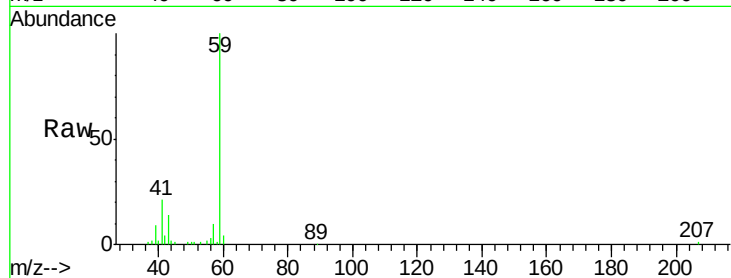
Tert butyl alcohol
Concen: 286.679 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
APPROVED

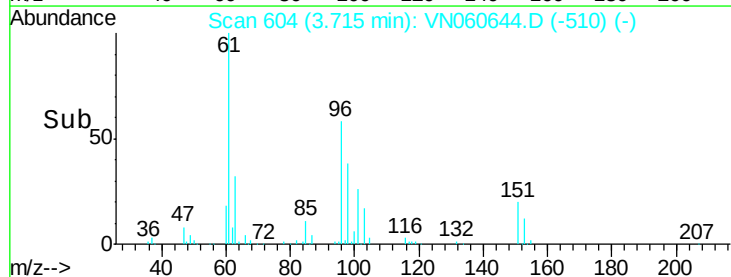
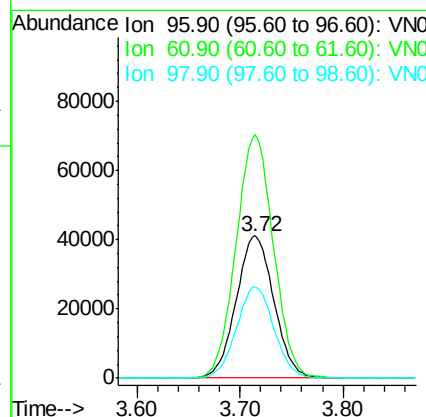
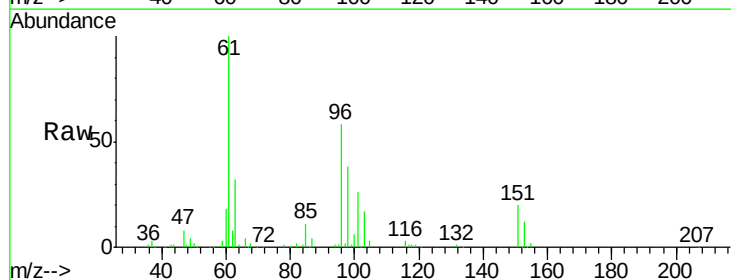
MMDadoda
3/20/2020 12:05:39 PM

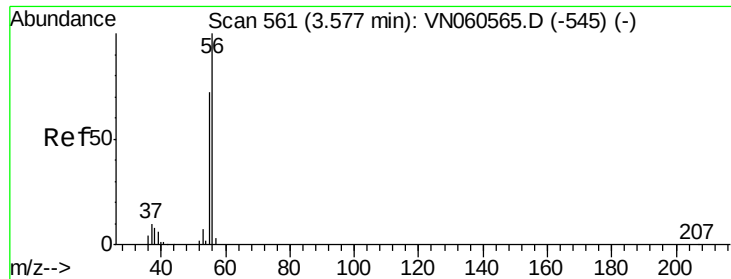


#12

1,1-Dichloroethene
Concen: 49.114 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	134.1	201.1
98	64.2	49.9	74.9





#13

Acrolein

Concen: 191.095 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 83895

Ion Ratio Lower Upper

56 100

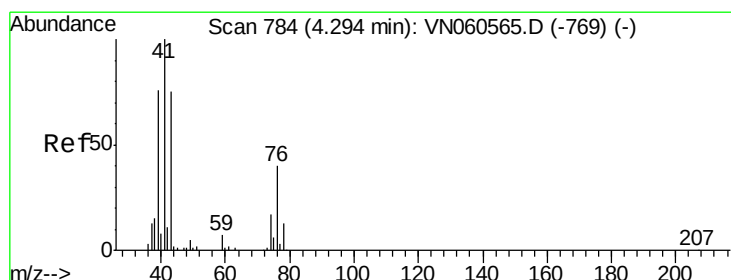
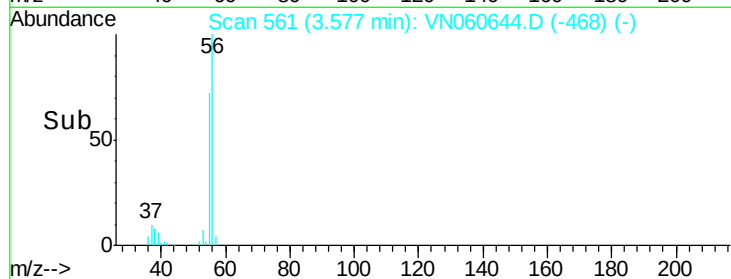
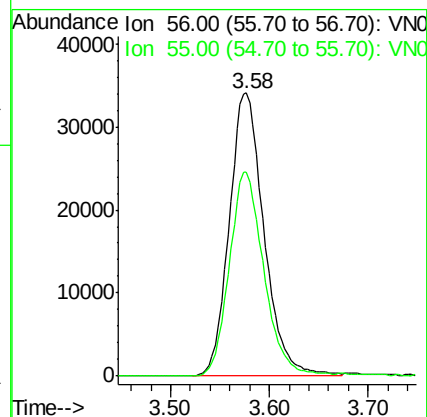
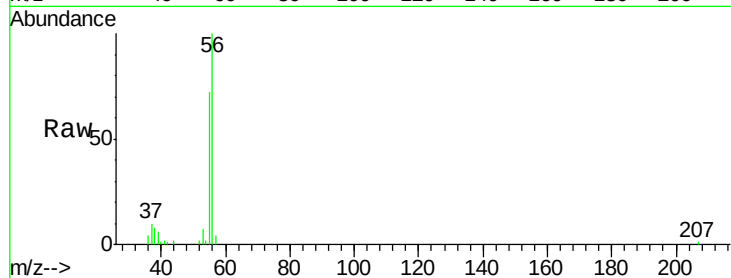
55 71.8 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#14

Allyl chloride

Concen: 48.599 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

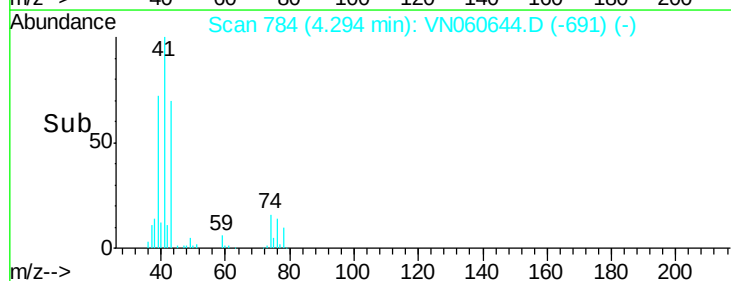
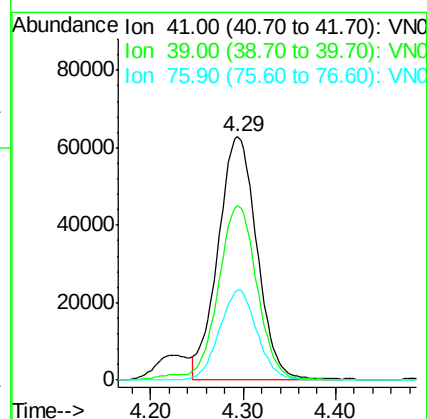
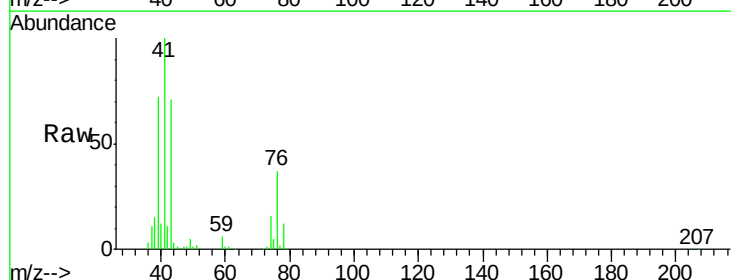
Tgt Ion: 41 Resp: 181575

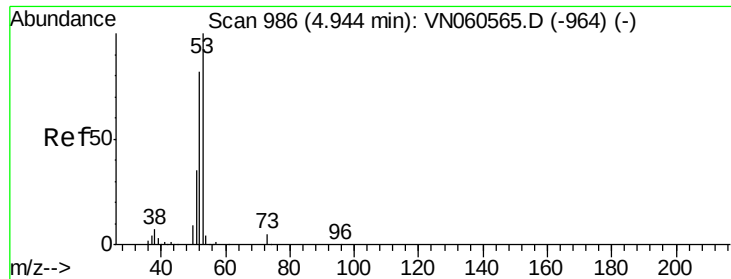
Ion Ratio Lower Upper

41 100

39 73.5 57.8 86.8

76 36.0 28.6 43.0





#15

Acrylonitrile

Concen: 265.847 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

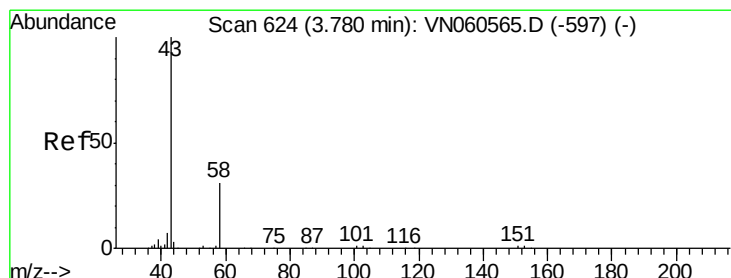
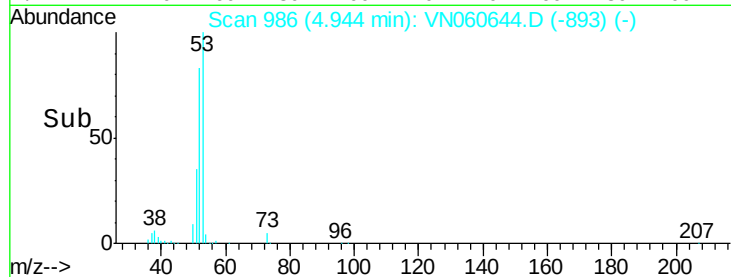
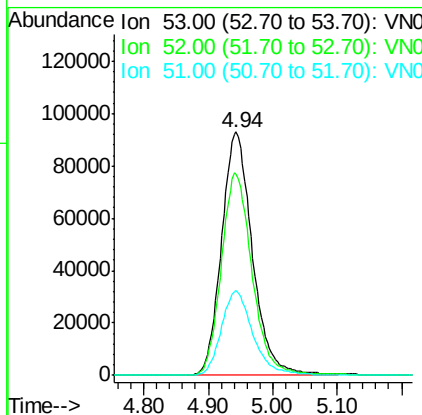
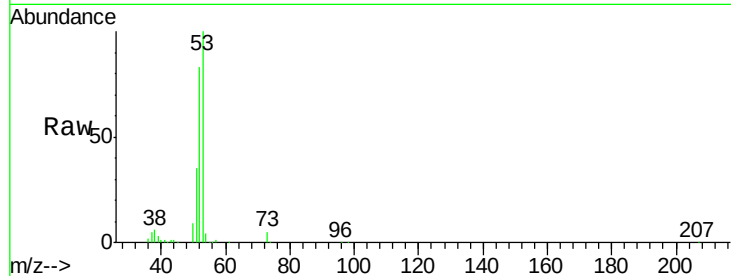
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	309668
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#16

Acetone

Concen: 264.117 ug/l

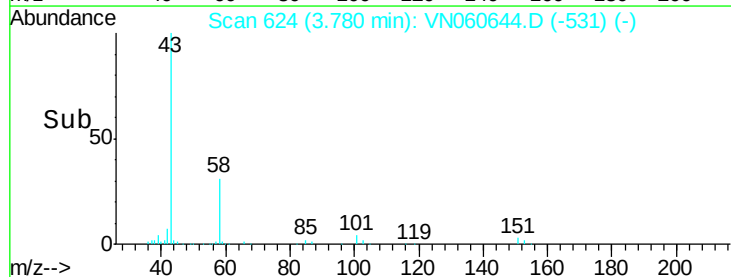
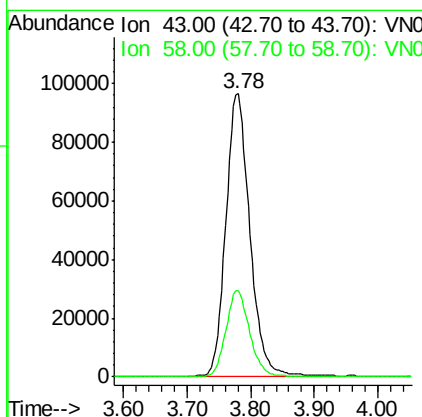
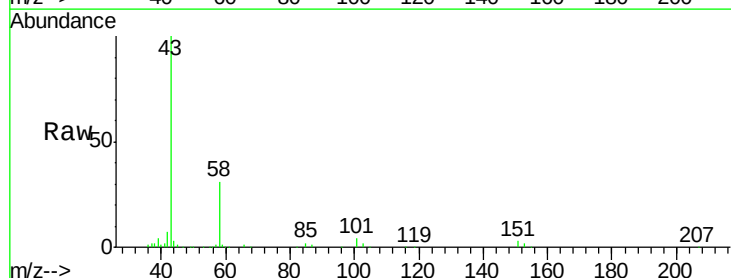
RT: 3.78 min Scan# 624

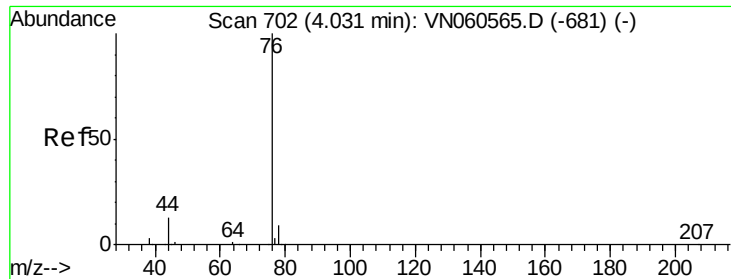
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion:	43	Resp:	251989
Ion	Ratio	Lower	Upper
43	100		
58	30.6	25.1	37.7





#17

Carbon Disulfide

Concen: 49.305 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 318542

Ion Ratio Lower Upper

76 100

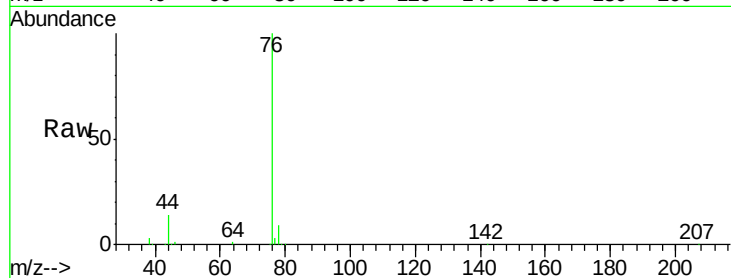
78 9.2 7.2 10.8

Manual Integrations

APPROVED

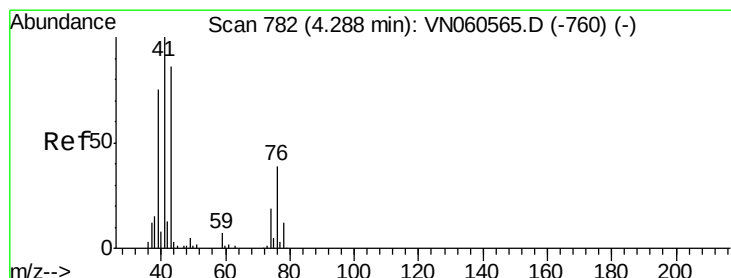
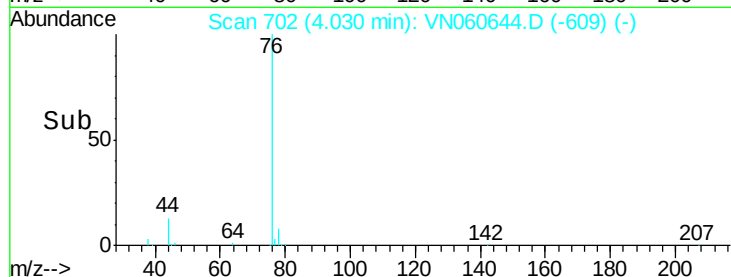
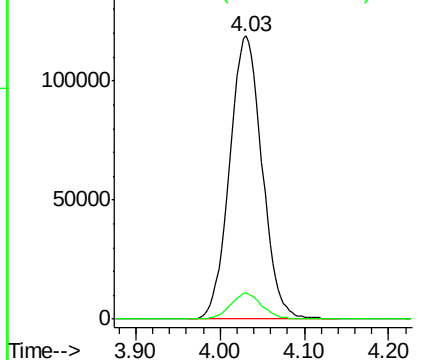
MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 51.413 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060644.D

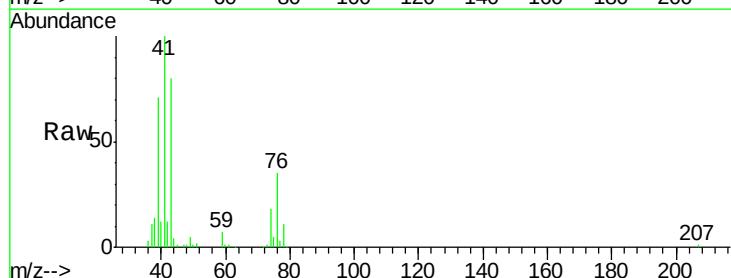
Acq: 19 Mar 2020 18:03

Tgt Ion: 43 Resp: 138068

Ion Ratio Lower Upper

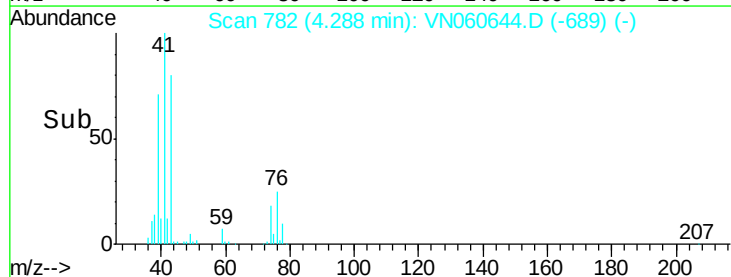
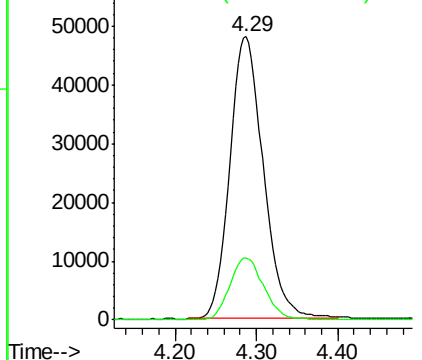
43 100

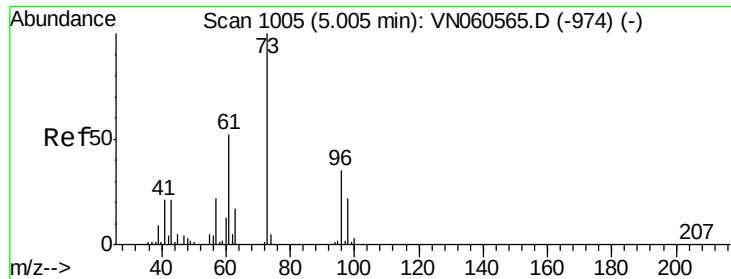
74 22.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





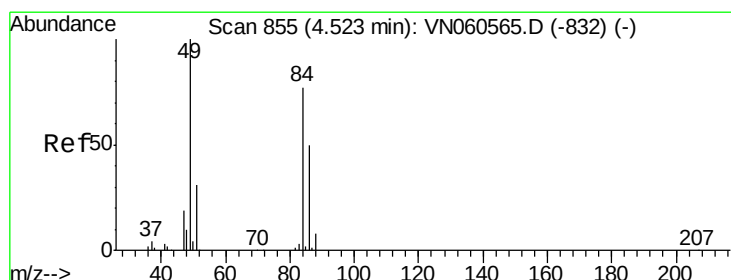
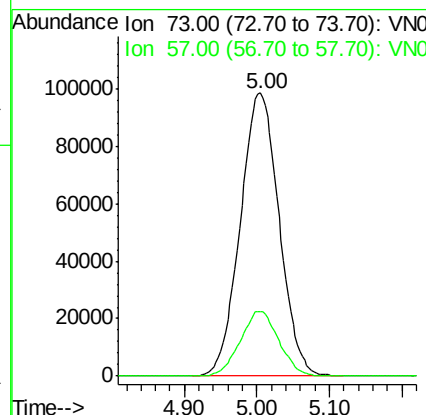
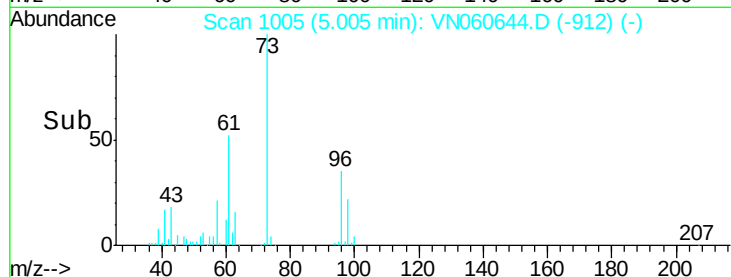
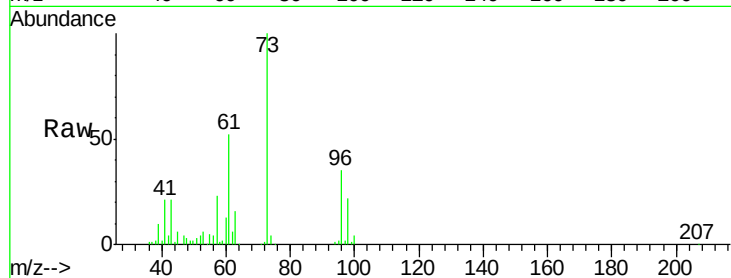
#19
Methvl tert-butyl Ether
Concen: 50.278 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 367206
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3

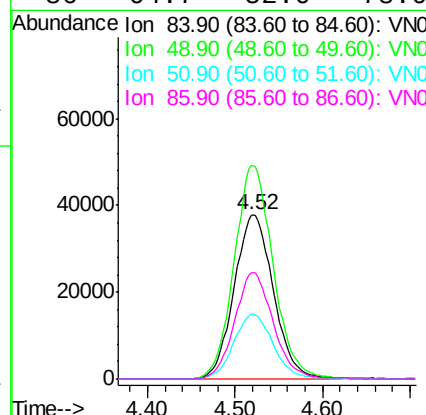
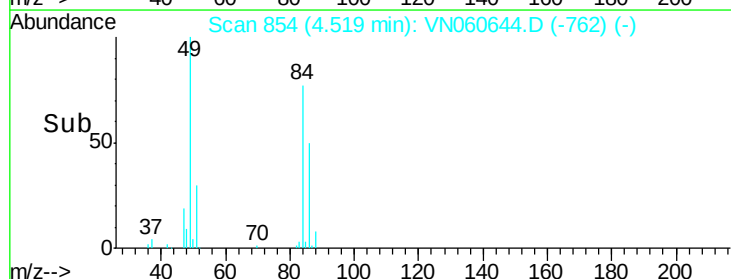
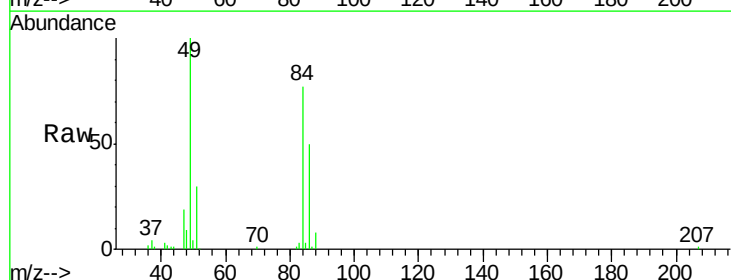
Manual Integrations
APPROVED

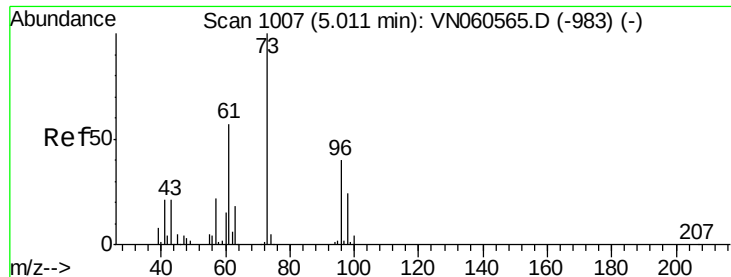
MMDadoda
3/20/2020 12:05:39 PM



#20
Methylene Chloride
Concen: 50.325 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 84 Resp: 118113
Ion Ratio Lower Upper
84 100
49 129.7 103.3 154.9
51 39.5 31.6 47.4
86 64.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 49.471 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 96 Resp: 112005

Ion Ratio Lower Upper

96 100

61 149.1 114.4 171.6

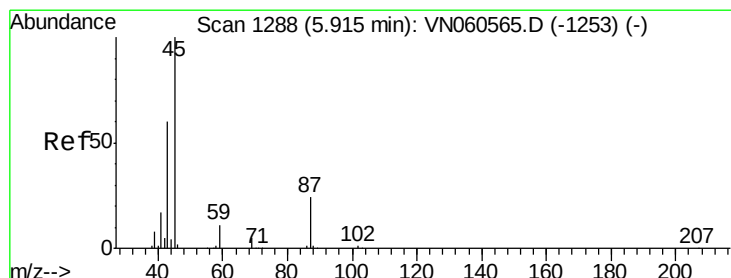
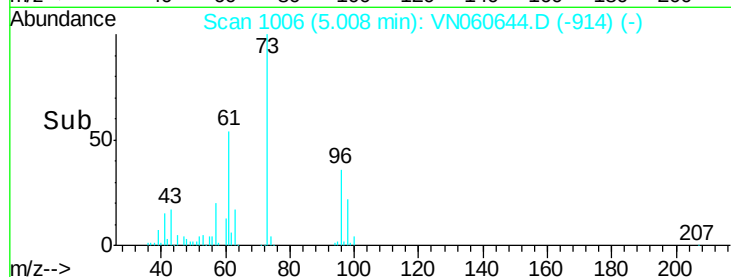
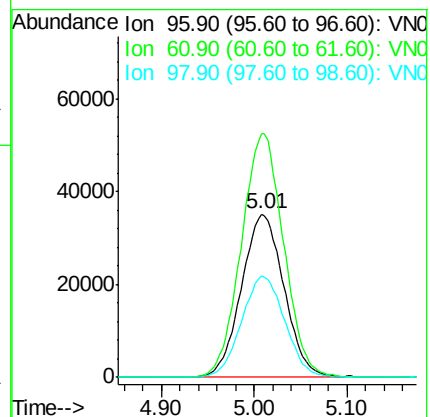
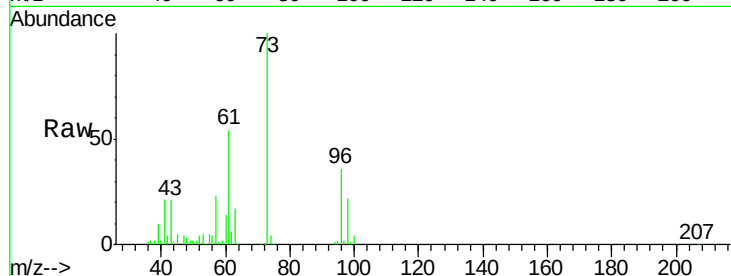
98 62.0 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#22

Diisopropyl ether

Concen: 52.022 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion: 45 Resp: 410632

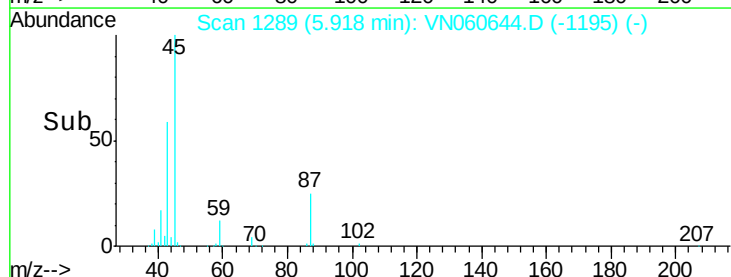
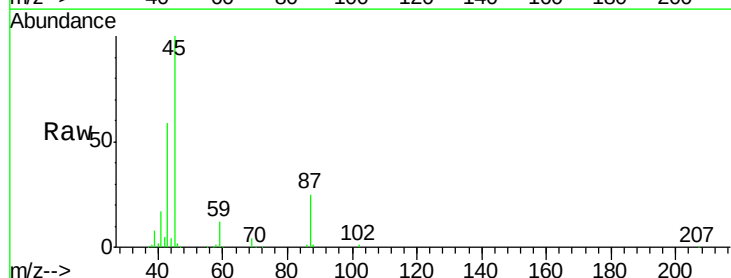
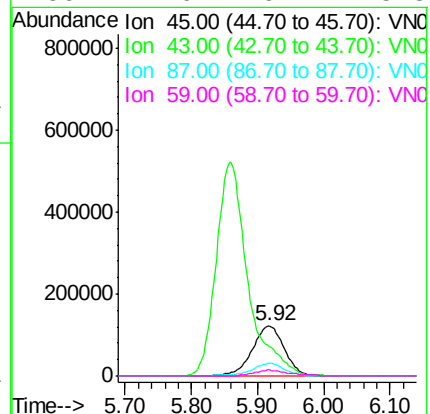
Ion Ratio Lower Upper

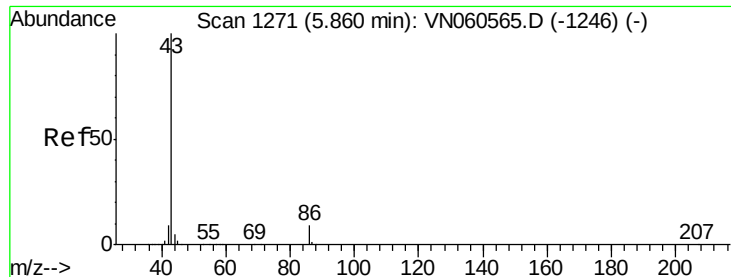
45 100

43 57.8 49.8 74.8

87 25.0 20.1 30.1

59 11.6 9.2 13.8





#23

Vinyl Acetate

Concen: 269.386 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1734944

Ion Ratio Lower Upper

43 100

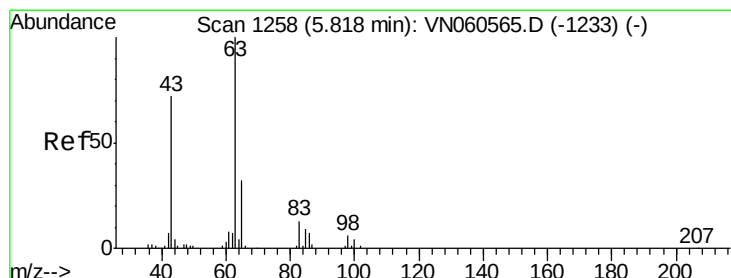
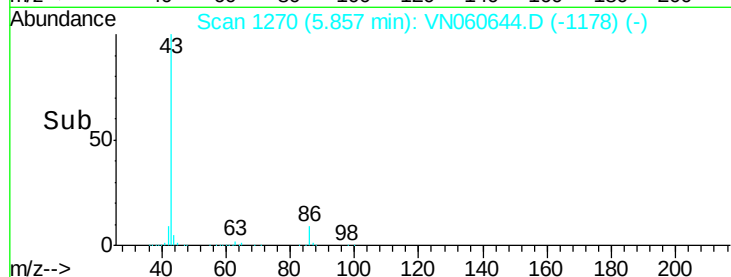
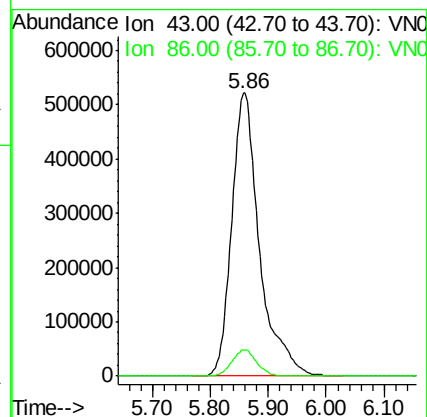
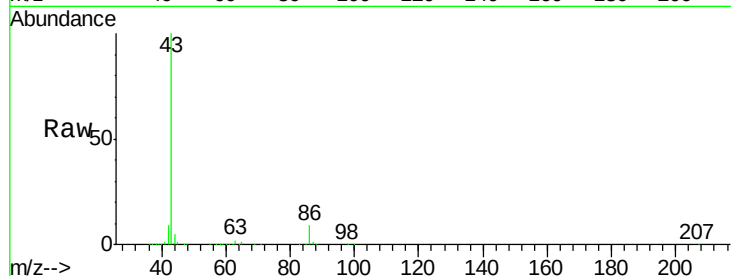
86 9.3 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#24

1,1-Dichloroethane

Concen: 51.273 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

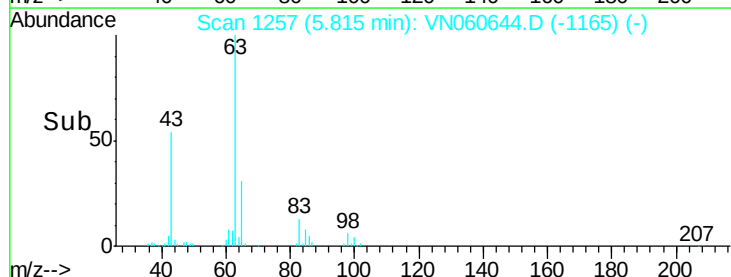
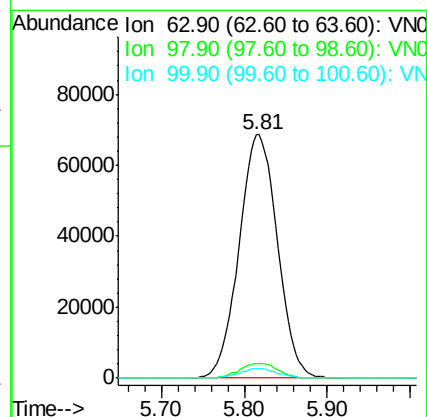
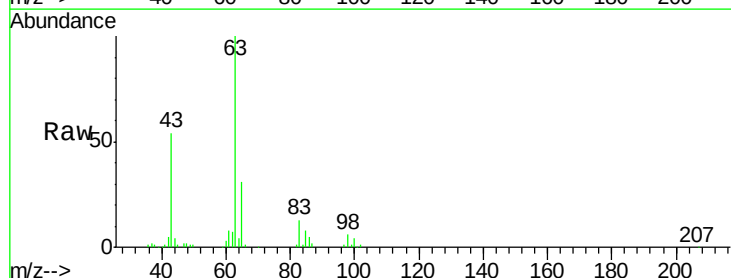
Tgt Ion: 63 Resp: 220631

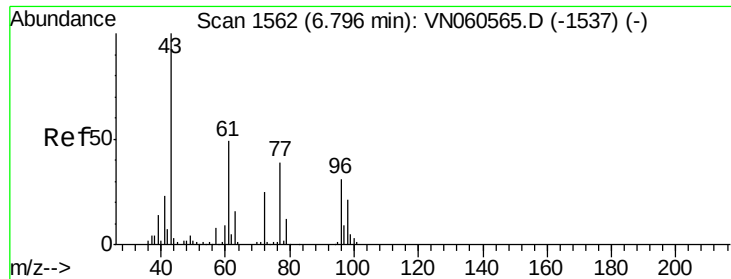
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 268.415 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 414397

Ion Ratio Lower Upper

43 100

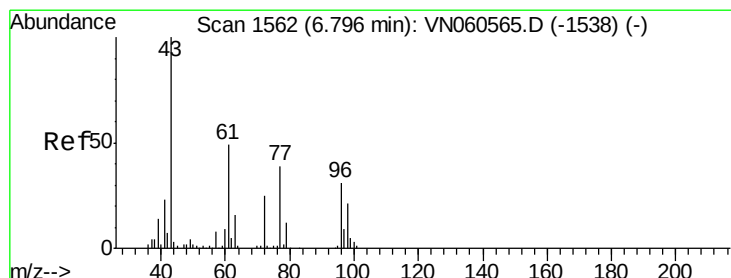
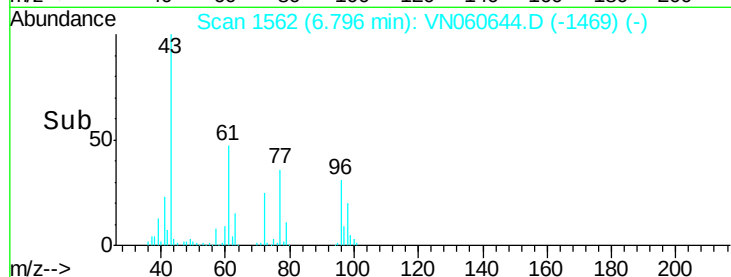
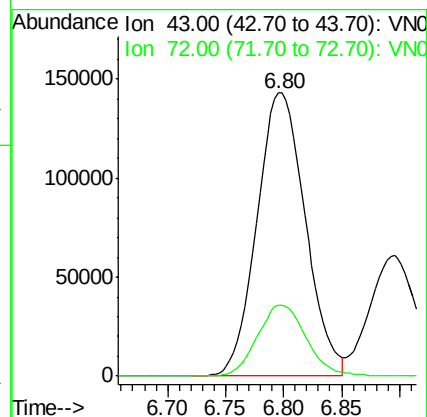
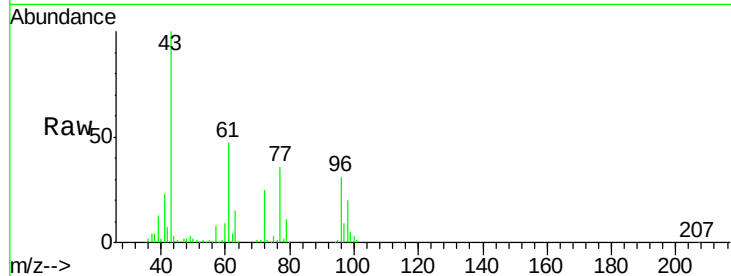
72 25.1 20.4 30.6

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#26

2,2-Dichloropropane

Concen: 49.181 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060644.D

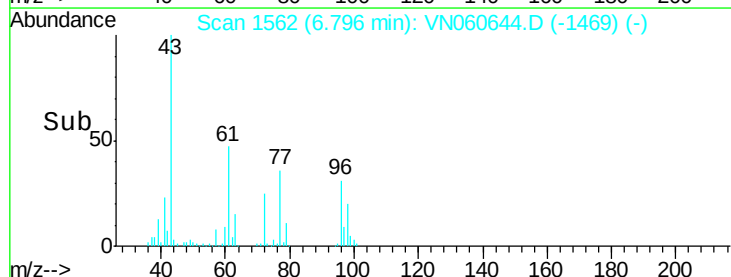
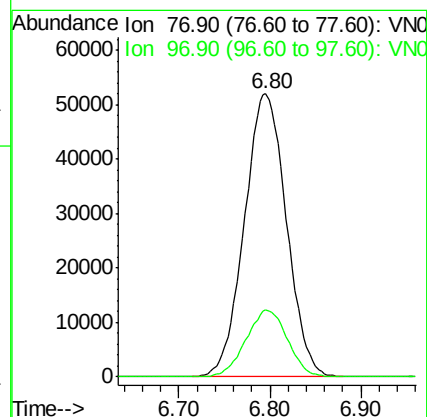
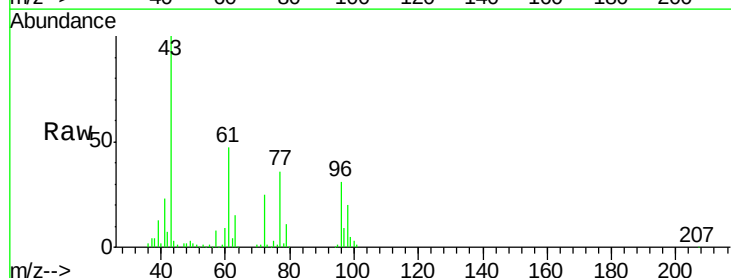
Acq: 19 Mar 2020 18:03

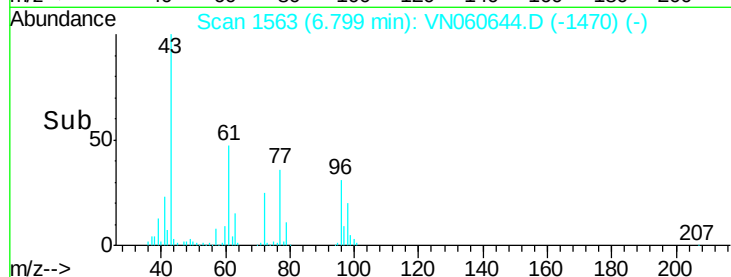
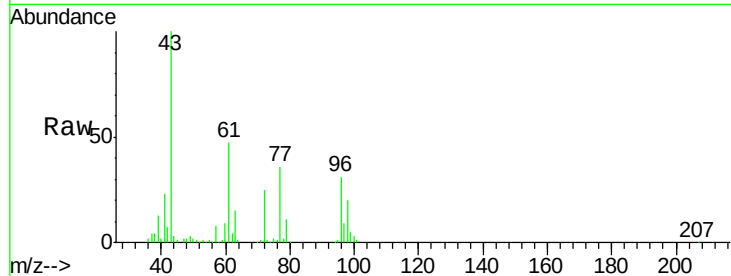
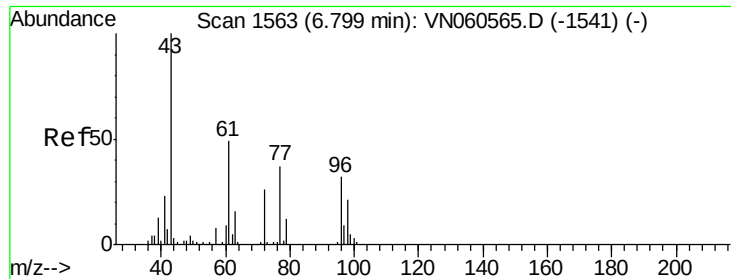
Tgt Ion: 77 Resp: 166508

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.010 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tot Ion:	96	Resp:	128666
Ion Ratio	Lower	Upper	
96	100		
61	153.1	0.0	305.6
98	65.0	0.0	127.6

Instrument :

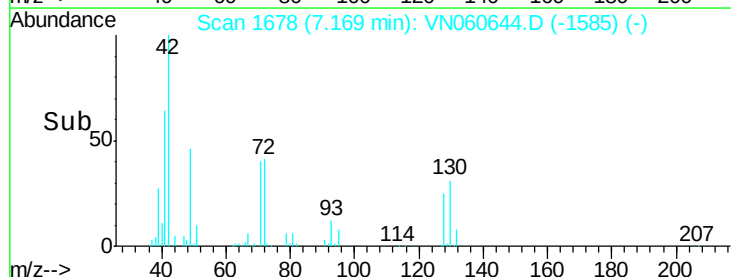
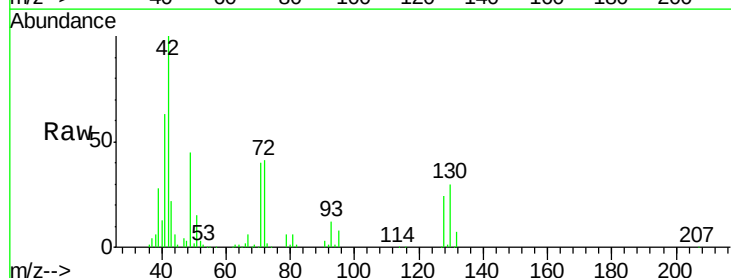
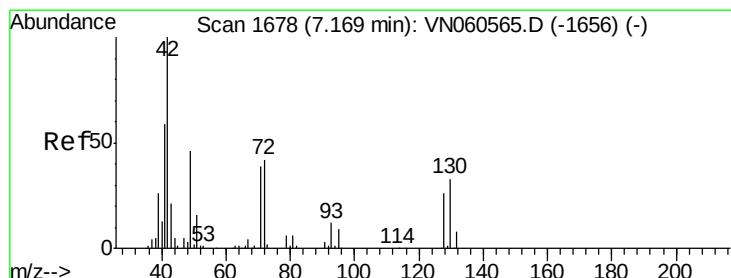
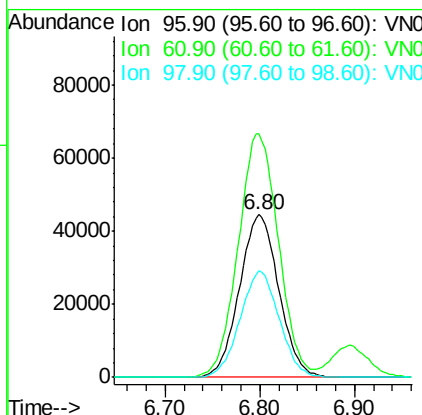
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#28

Bromochloromethane

Concen: 51.546 ug/l

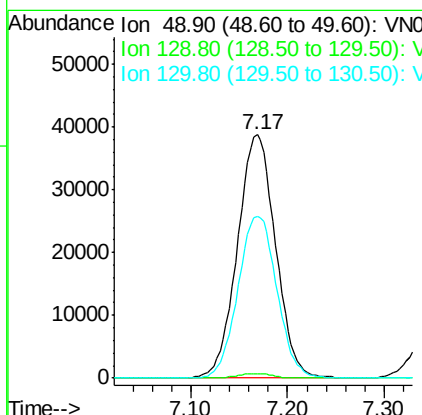
RT: 7.17 min Scan# 1678

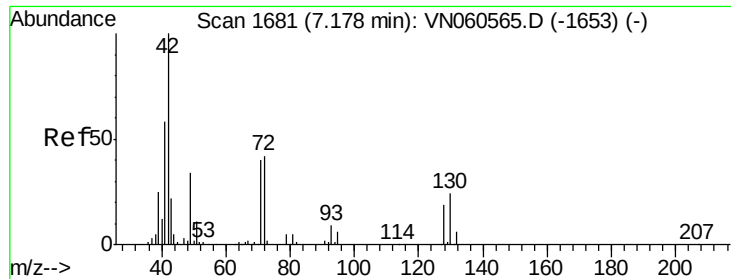
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion:	49	Resp:	106121
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.4
130	67.9	55.0	82.4





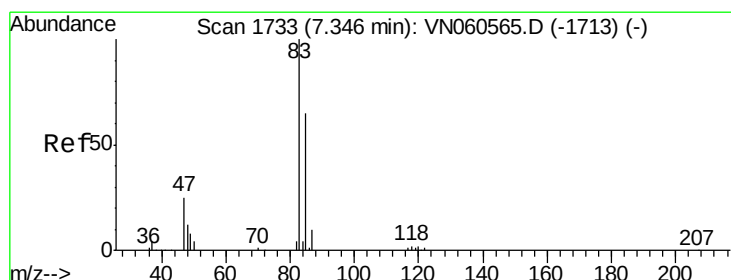
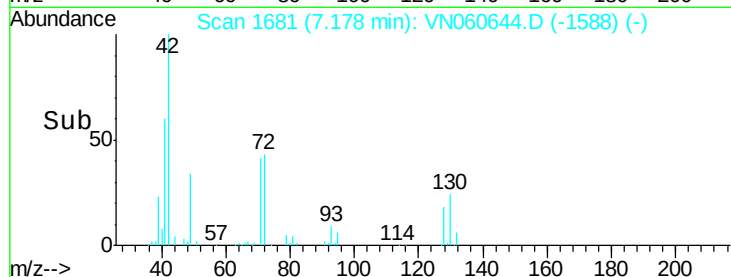
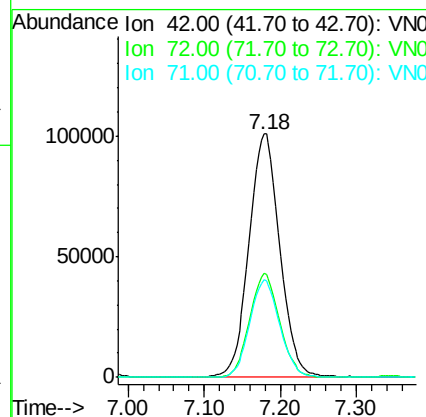
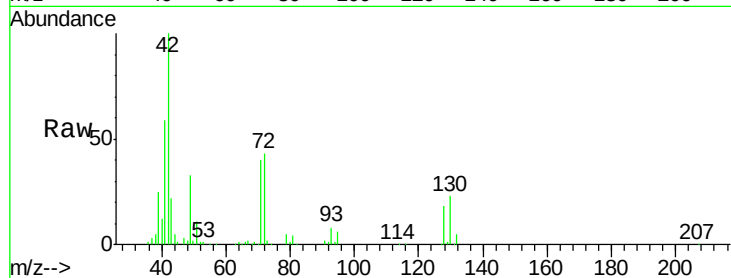
#29
Tetrahydrofuran
Concen: 261.237 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.2	49.8
71	38.8	31.1	46.7

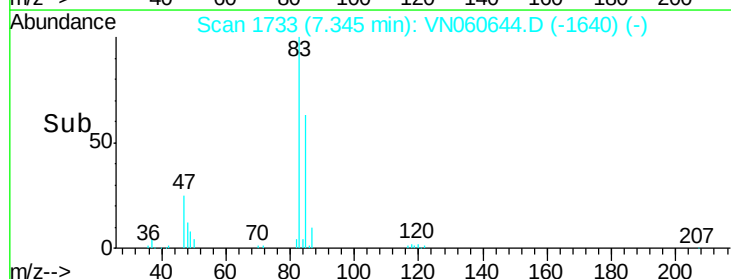
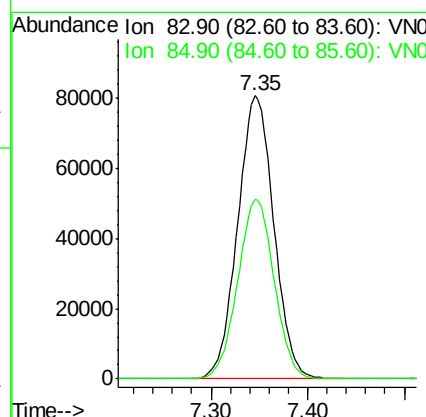
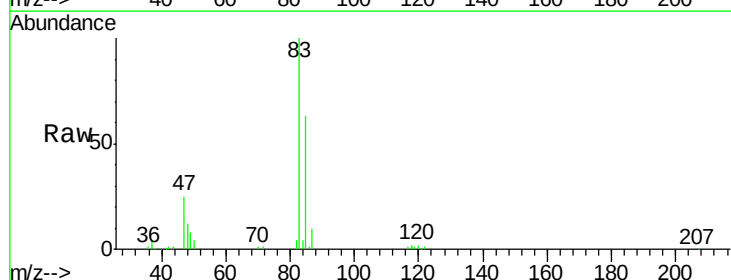
Manual Integrations
APPROVED

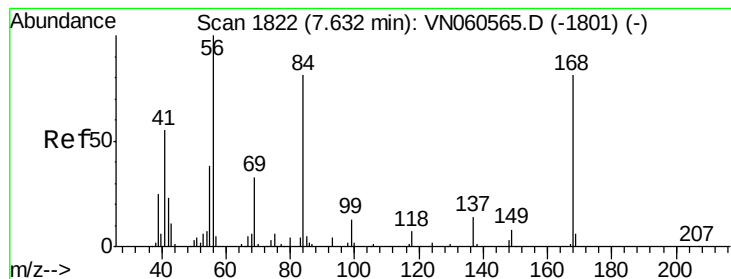
MMDadoda
3/20/2020 12:05:39 PM



#30
Chloroform
Concen: 50.739 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.8





#31

Cyclohexane

Concen: 47.692 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 206895

Ion Ratio Lower Upper

56 100

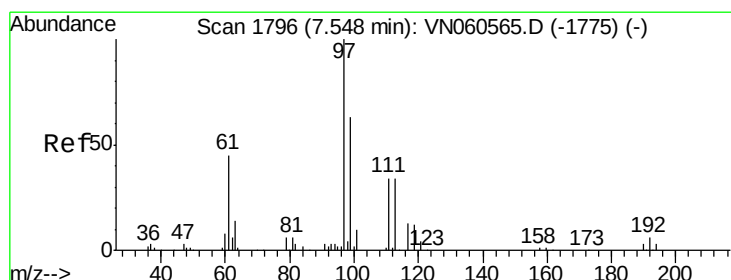
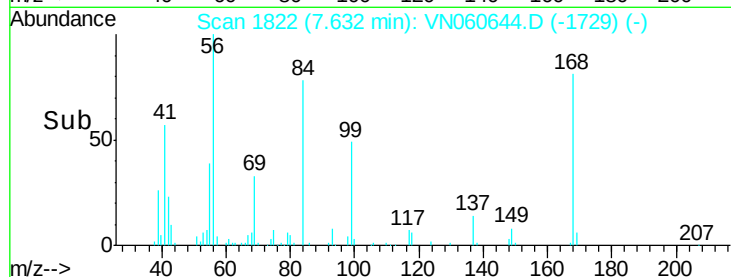
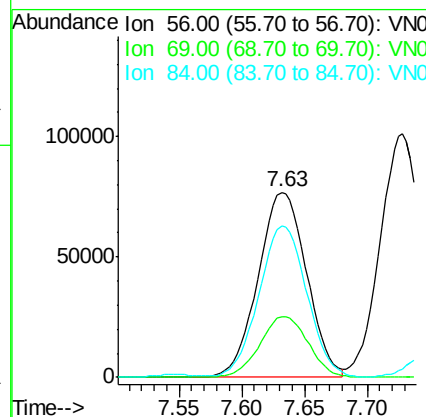
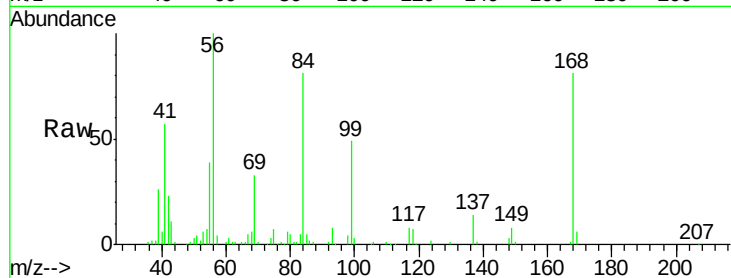
69 32.9 26.6 40.0

84 80.4 64.3 96.5

Manual Integrations
APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#32

1,1,1-Trichloroethane

Concen: 50.916 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

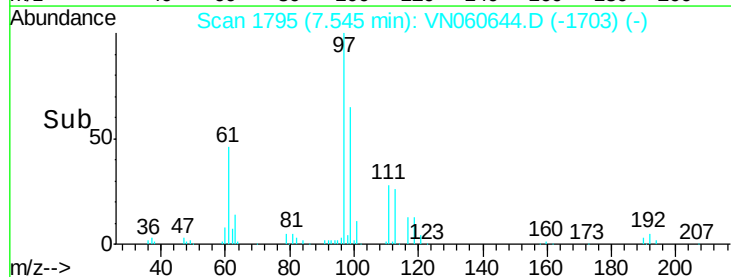
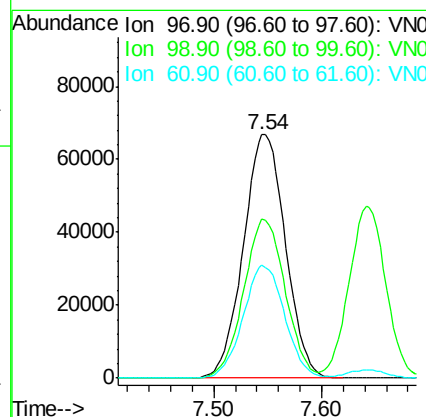
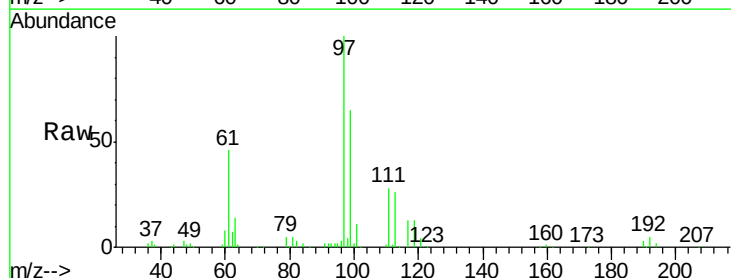
Tgt Ion: 97 Resp: 181068

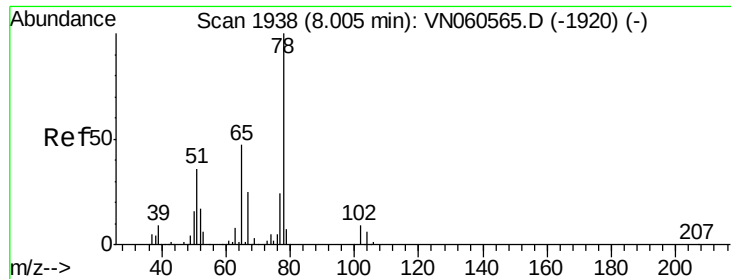
Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

61 45.9 36.2 54.4





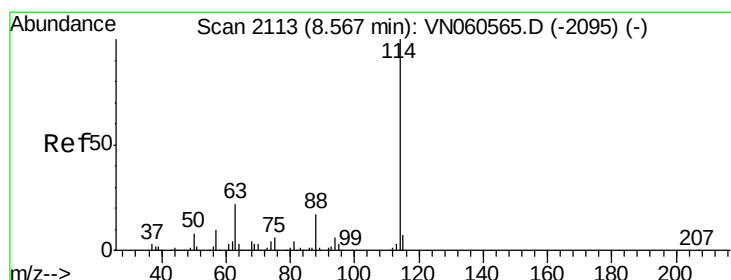
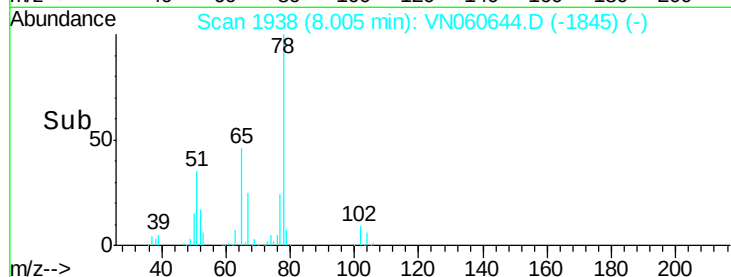
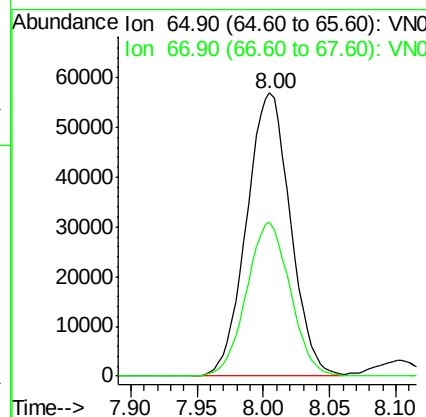
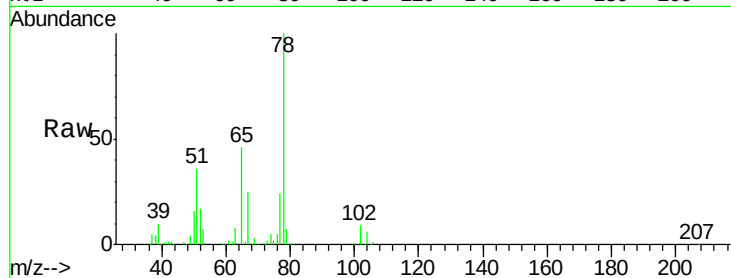
#33
 1,2-Dichloroethane-d4
 Concen: 48.683 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131127		
67	54.1	0.0	107.6	

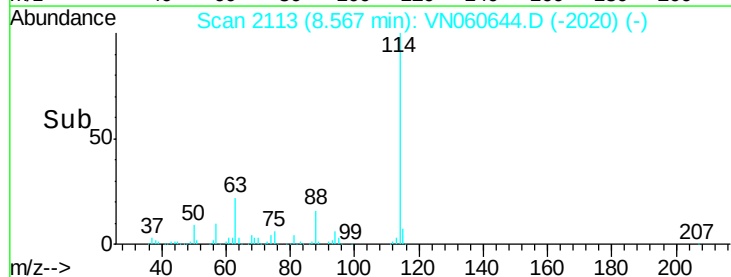
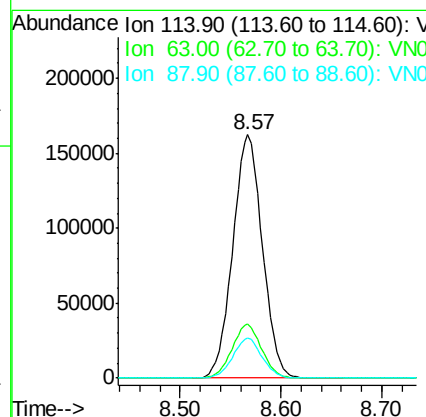
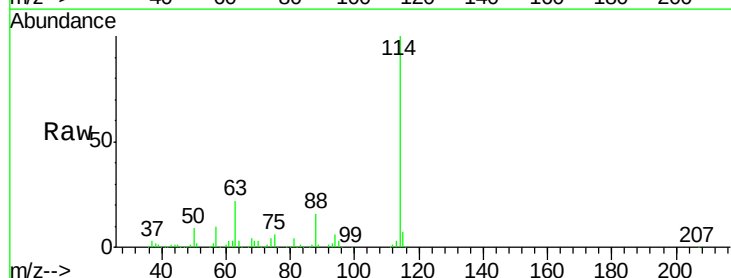
Manual Integrations
 APPROVED

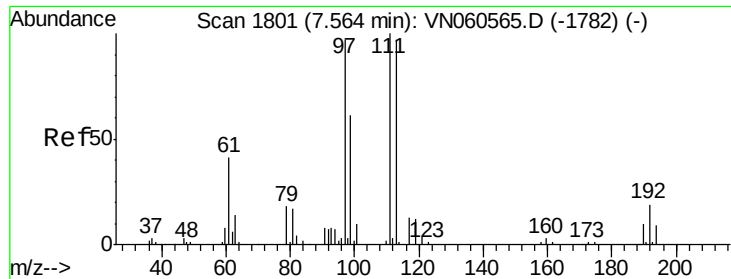
MMDadoda
 3/20/2020 12:05:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	331888		
63	22.0	0.0	43.8	
88	16.3	0.0	33.0	





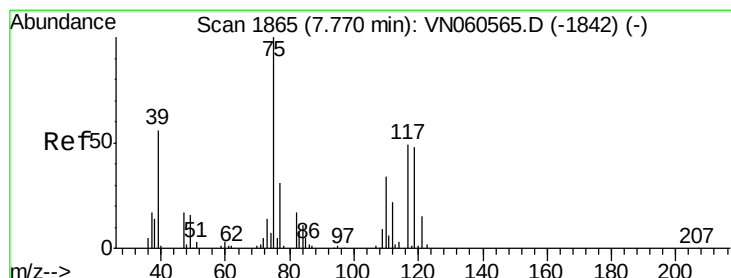
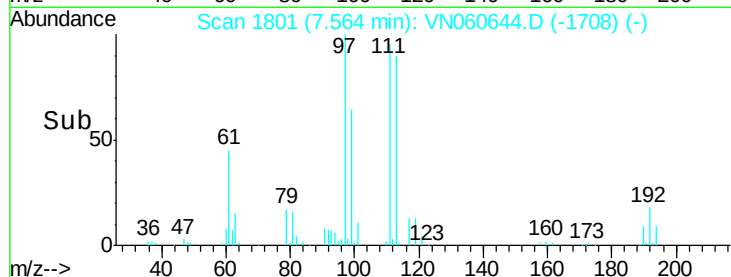
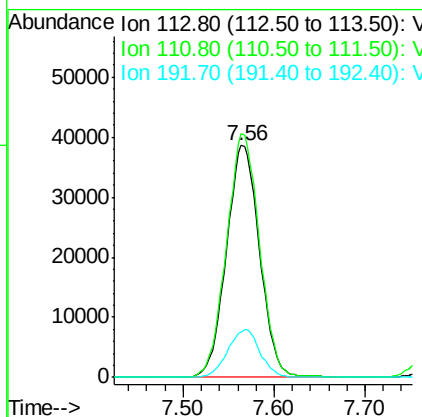
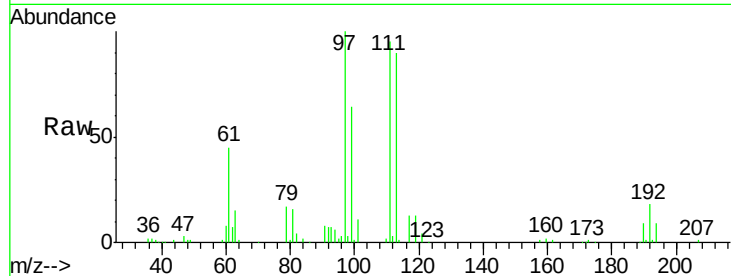
#35
Dibromofluoromethane
Concen: 48.642 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.9	124.3
192	20.1	15.8	23.8

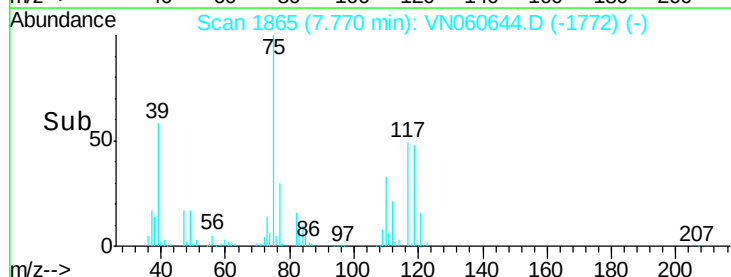
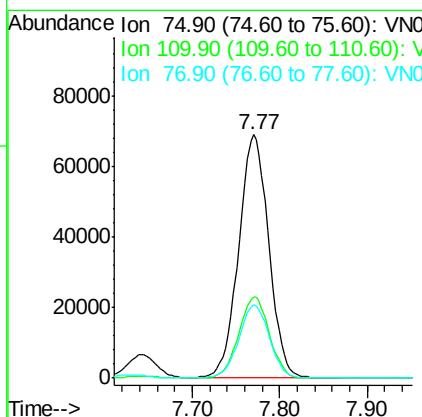
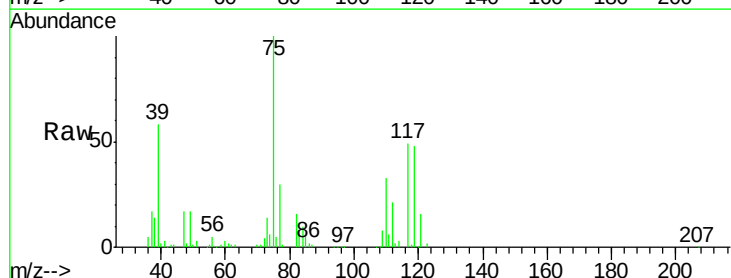
Manual Integrations
APPROVED

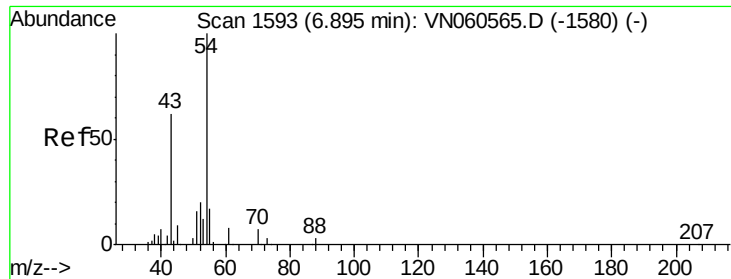
MMDadoda
3/20/2020 12:05:39 PM



#36
1,1-Dichloropropene
Concen: 51.230 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	30.5	24.6	36.8





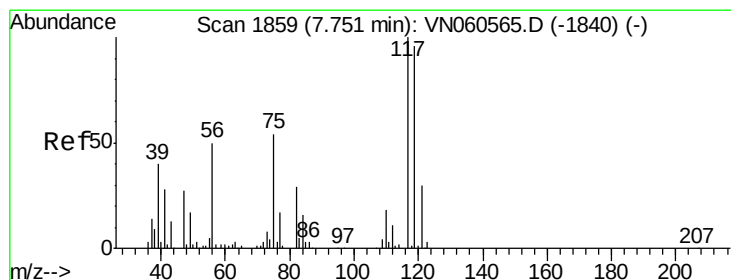
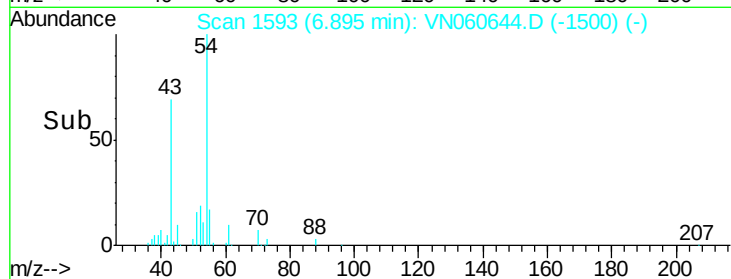
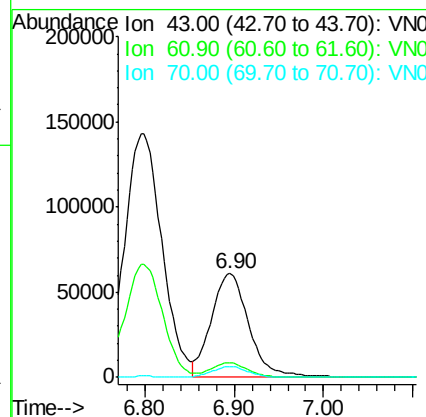
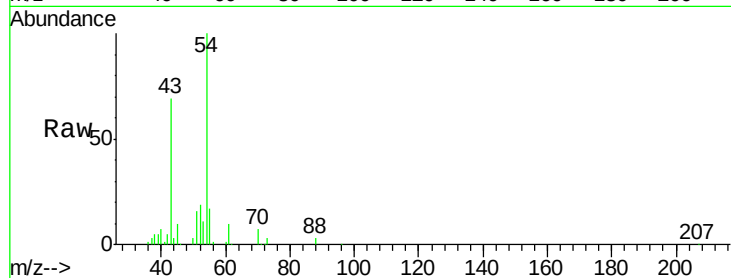
#37
Ethyl Acetate
Concen: 50.303 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	15.8
70	10.1	7.9	11.9

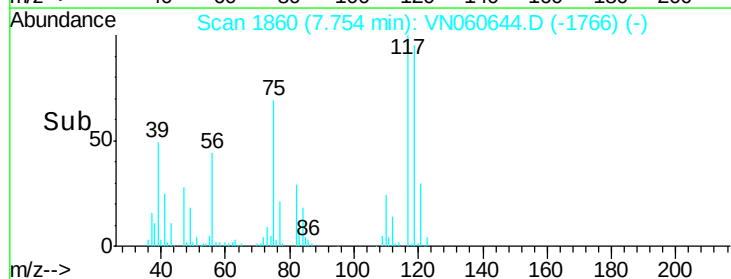
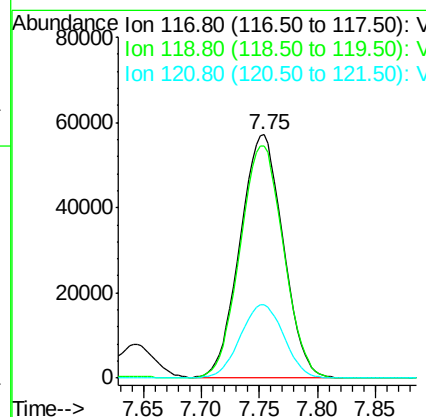
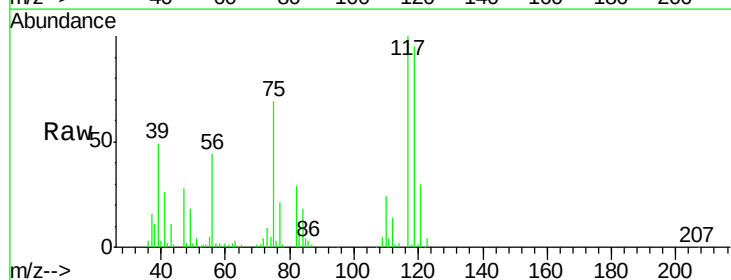
Manual Integrations
APPROVED

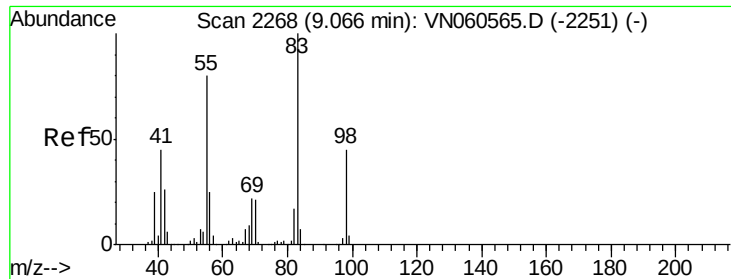
MMDadoda
3/20/2020 12:05:39 PM



#38
Carbon Tetrachloride
Concen: 51.375 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.2	23.7	35.5





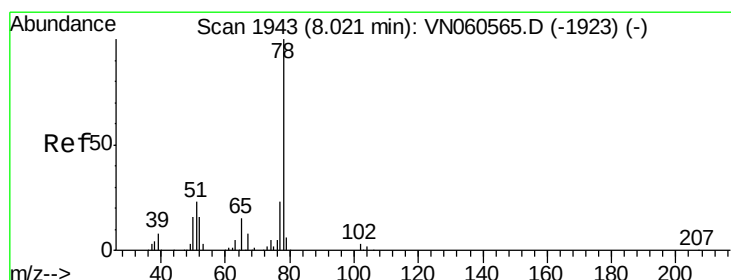
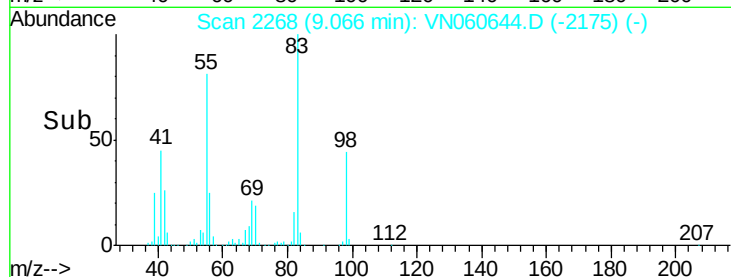
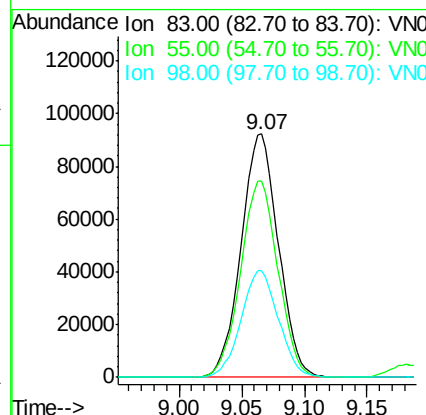
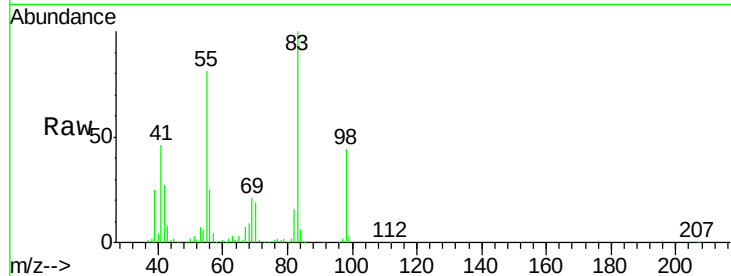
#39
Methylvlcyclohexane
Concen: 49.980 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.6	95.4
98	43.8	36.0	54.0

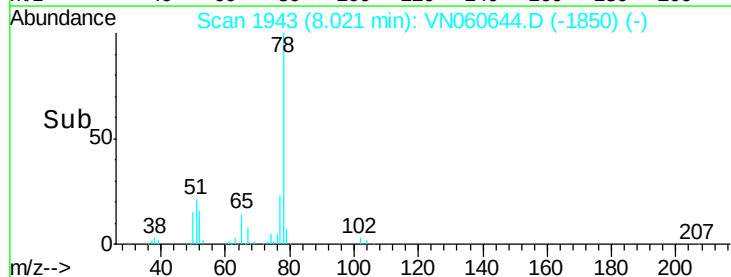
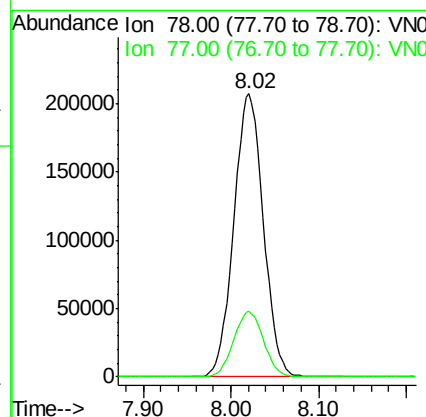
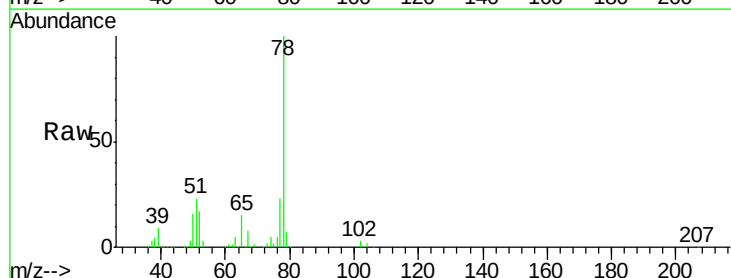
Manual Integrations
APPROVED

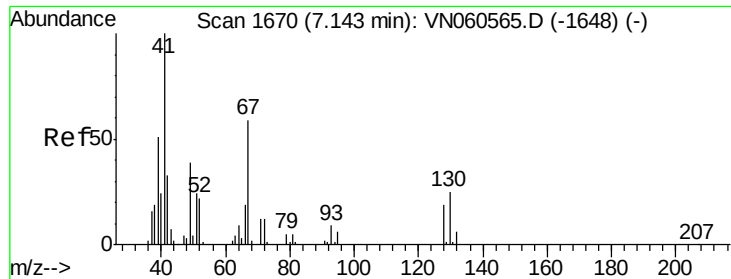
MMDadoda
3/20/2020 12:05:39 PM



#40
Benzene
Concen: 50.027 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0





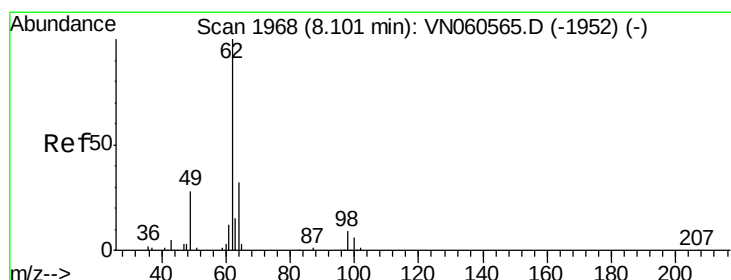
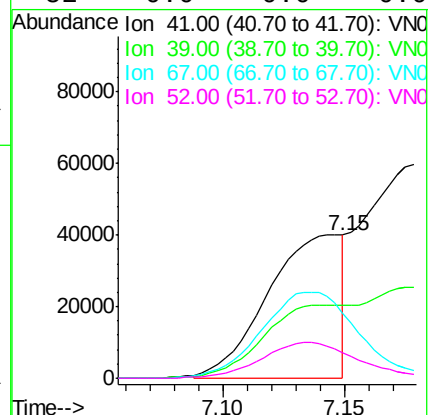
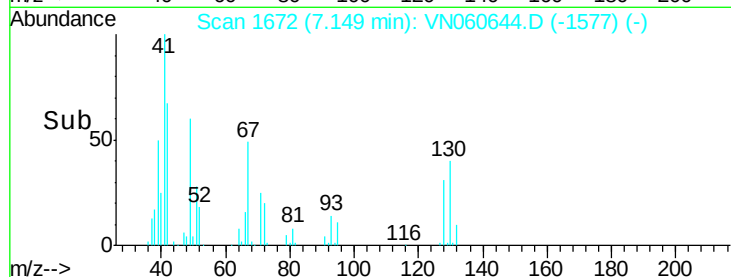
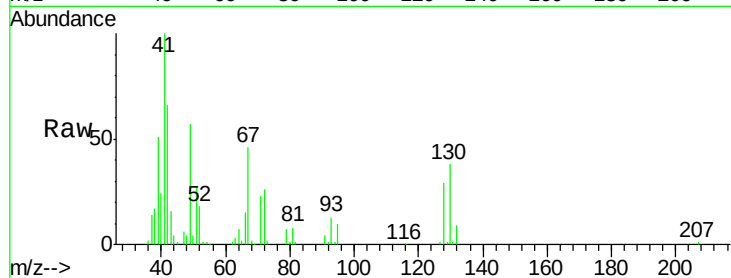
#41
Methacrylonitrile
Concen: 57.985 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp:	85931
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

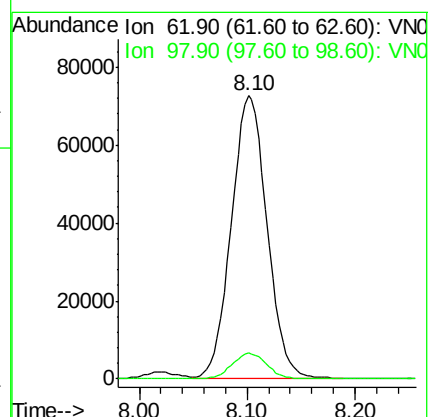
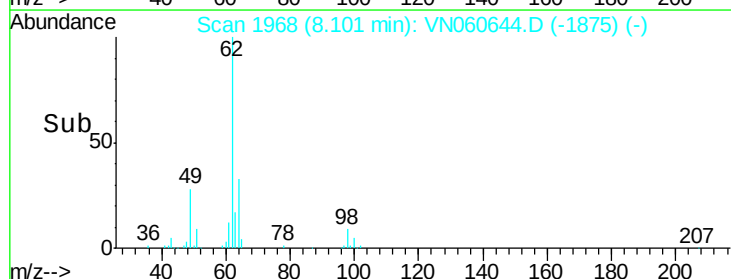
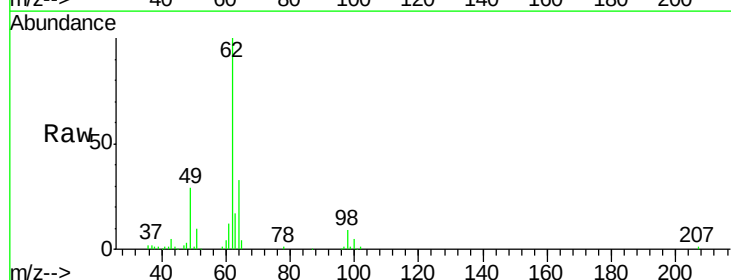
Manual Integrations
APPROVED

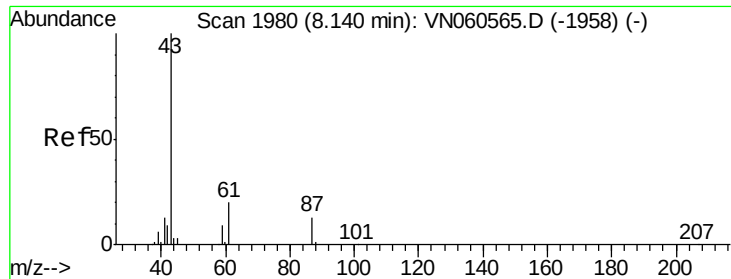
MMDadoda
3/20/2020 12:05:39 PM



#42
1,2-Dichloroethane
Concen: 50.472 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	62	Resp:	167337
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





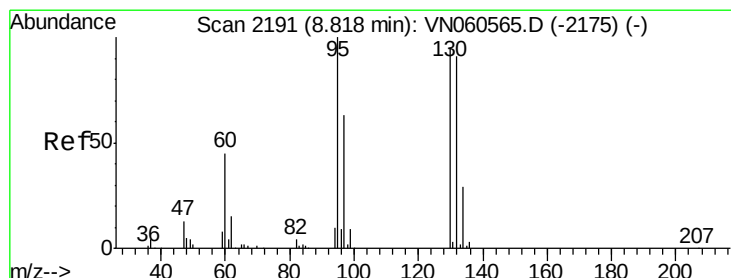
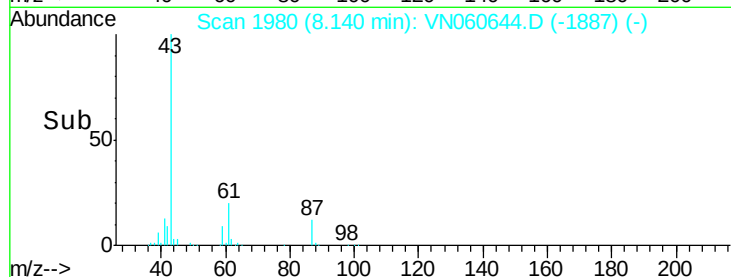
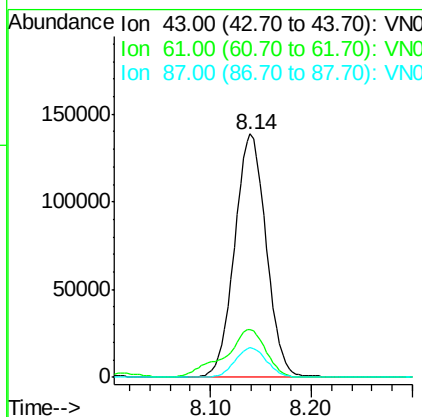
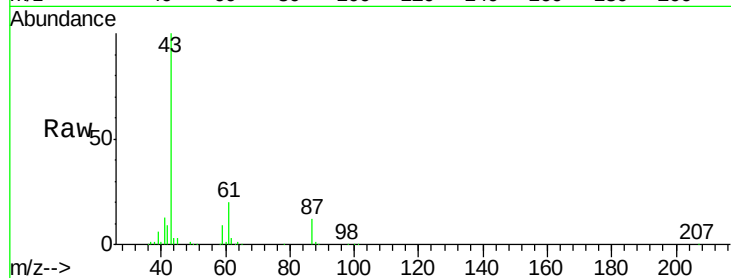
#43
Isopropyl Acetate
Concen: 52.242 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.2	9.8	14.8

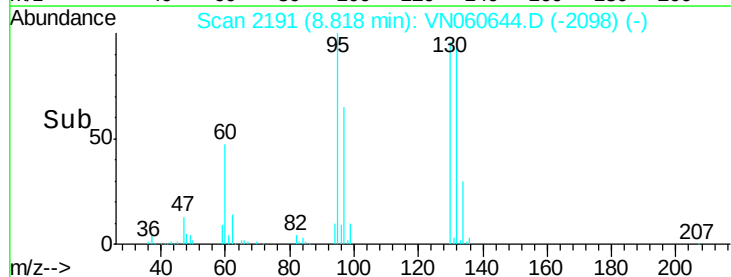
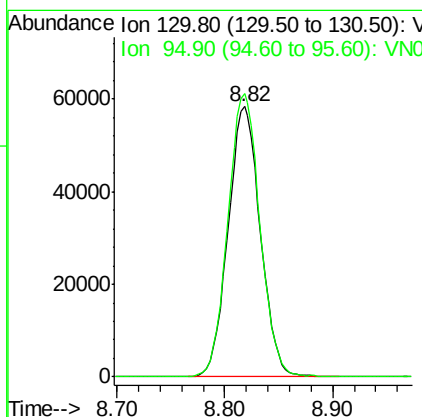
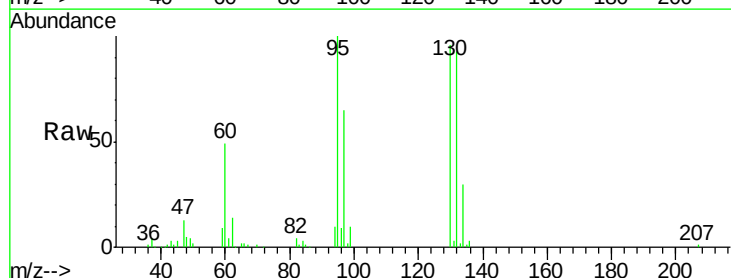
Manual Integrations
APPROVED

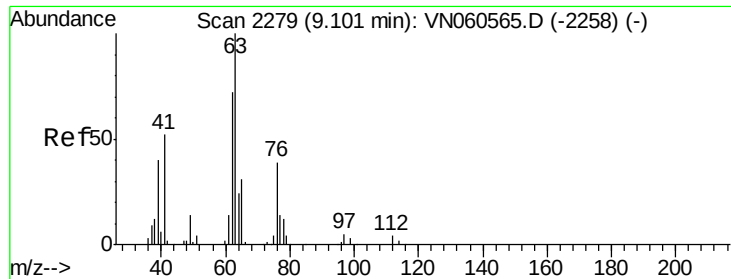
MMDadoda
3/20/2020 12:05:39 PM



#44
Trichloroethene
Concen: 49.555 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	211.2





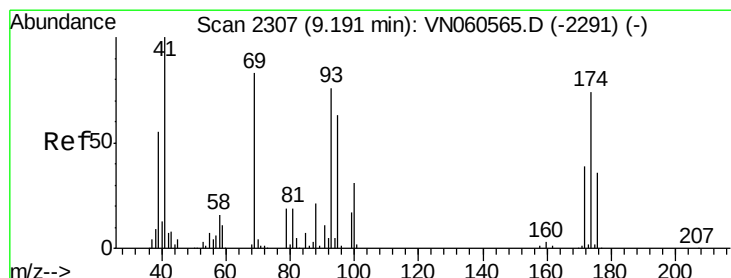
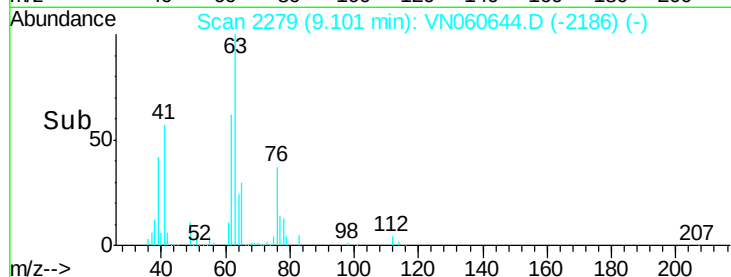
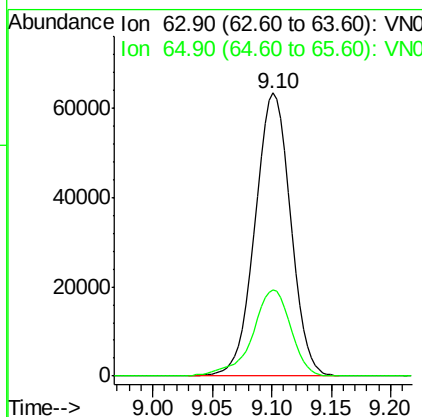
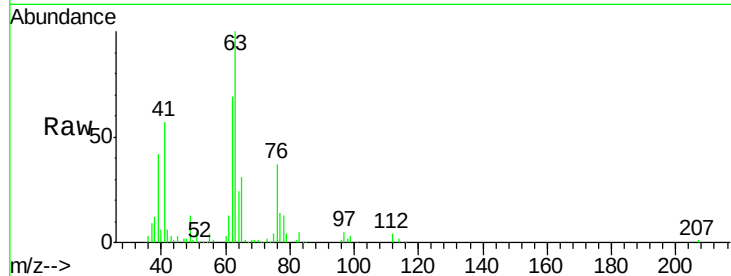
#45
 1,2-Dichloropropane
 Concen: 51.434 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 131664
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0

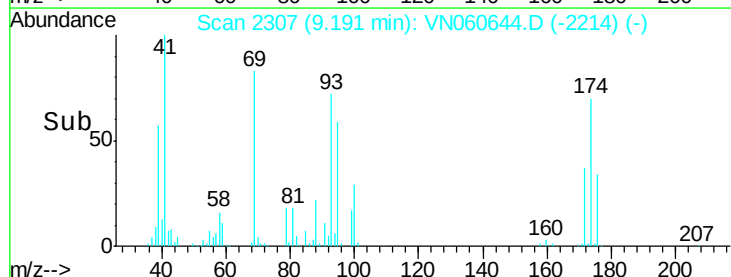
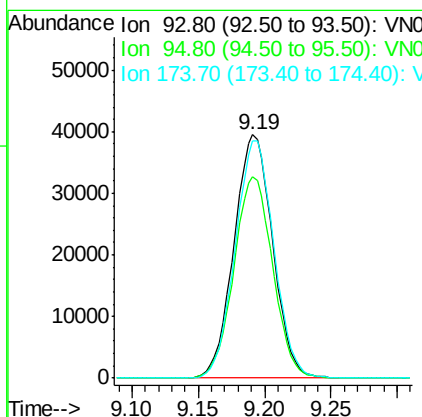
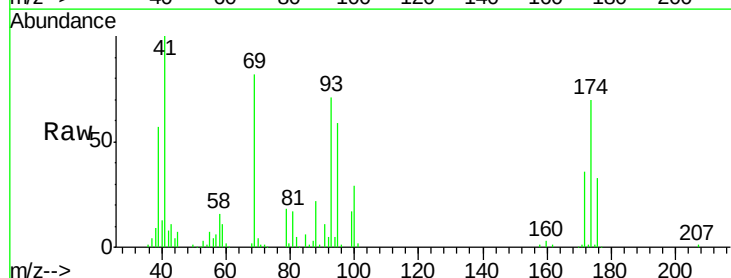
Manual Integrations
 APPROVED

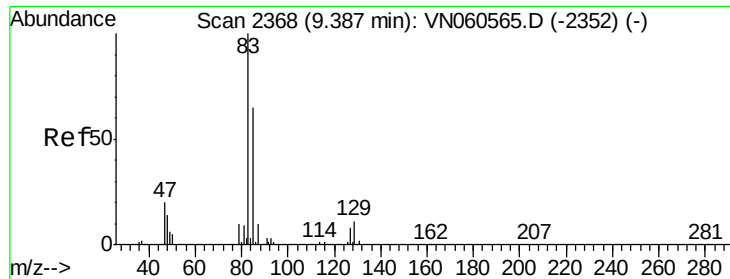
MMDadoda
 3/20/2020 12:05:39 PM



#46
 Dibromomethane
 Concen: 51.762 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion: 93 Resp: 80107
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.4
 174 97.5 77.9 116.9





#47

Bromodichloromethane

Concen: 51.675 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

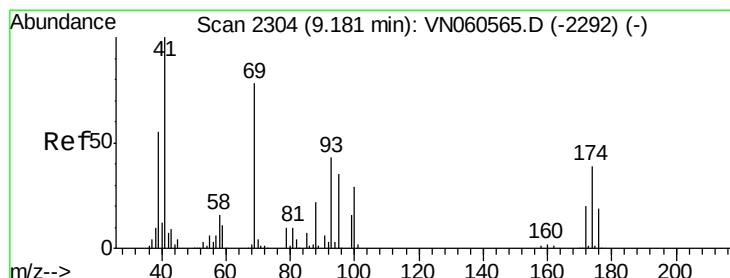
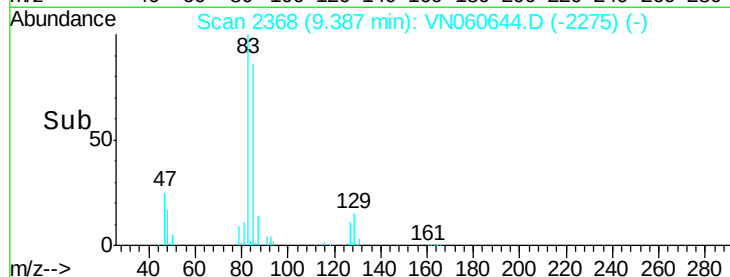
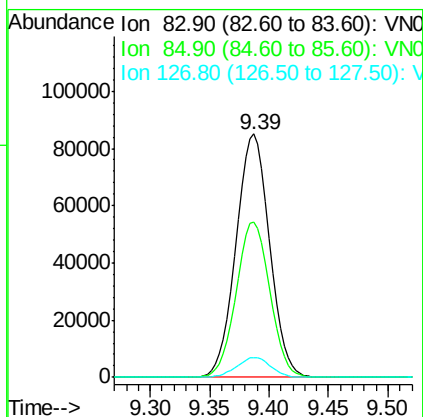
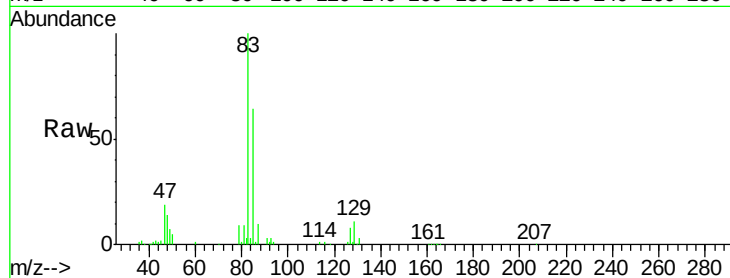
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	166184
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	8.1	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#48

Methyl methacrylate

Concen: 53.449 ug/l

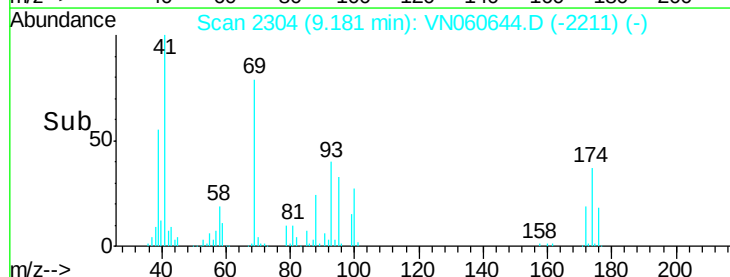
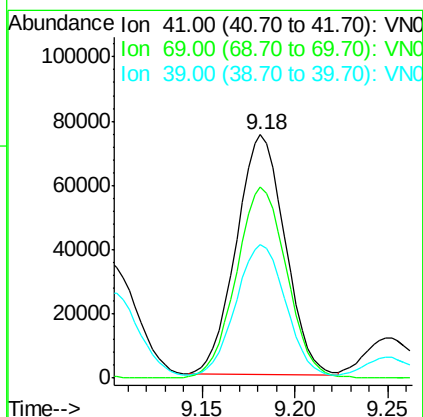
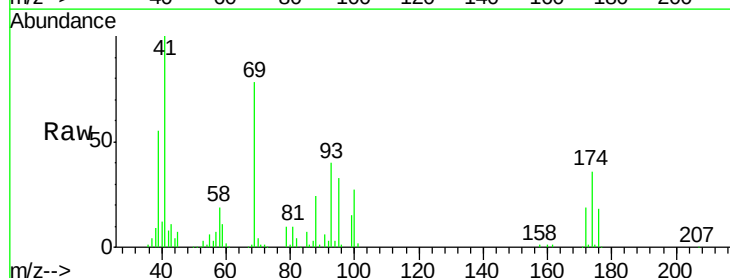
RT: 9.18 min Scan# 2304

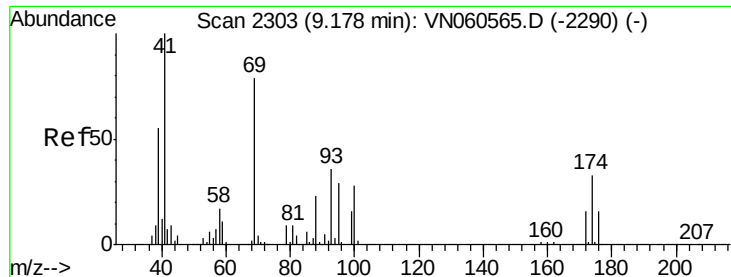
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion:	41	Resp:	136280
Ion	Ratio	Lower	Upper
41	100		
69	82.7	65.4	98.0
39	55.3	44.0	66.0





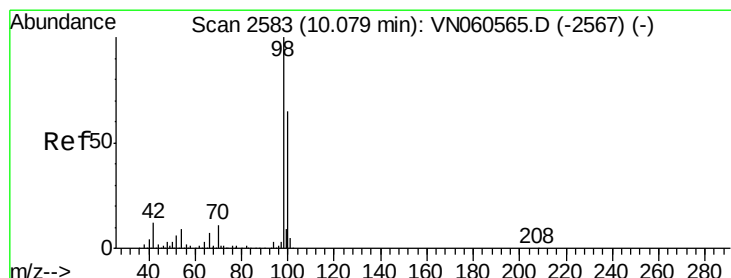
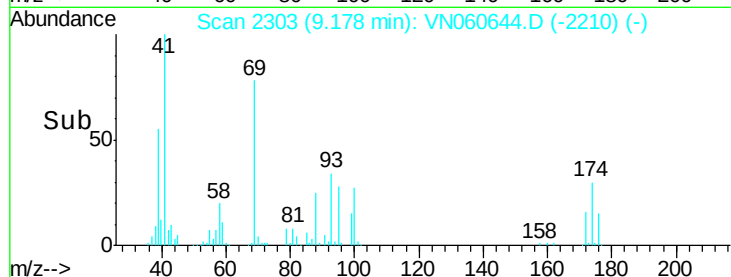
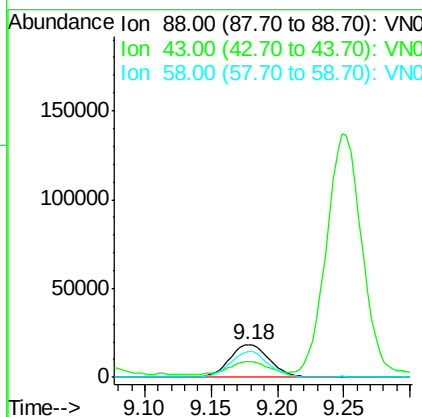
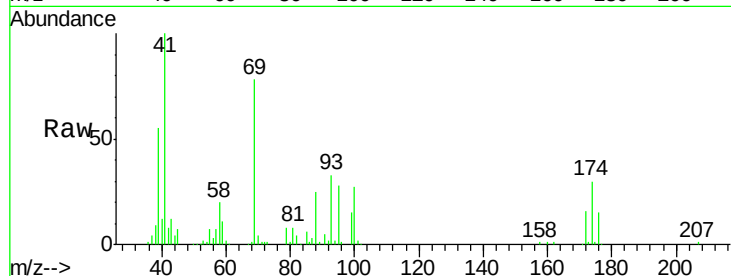
#49
1,4-Dioxane
Concen: 1270.816 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.8	46.2
58	75.6	59.8	89.8

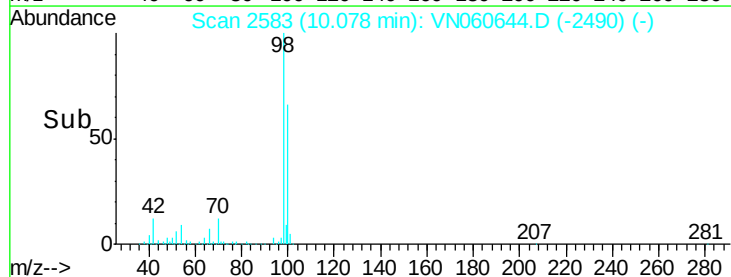
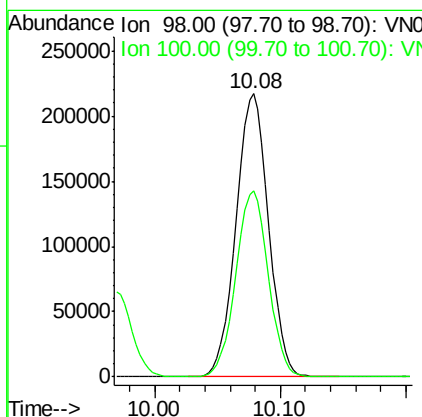
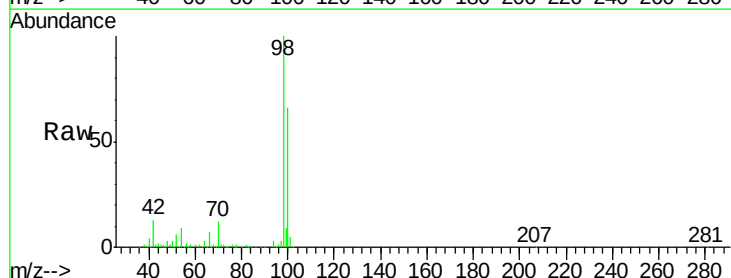
Manual Integrations
APPROVED

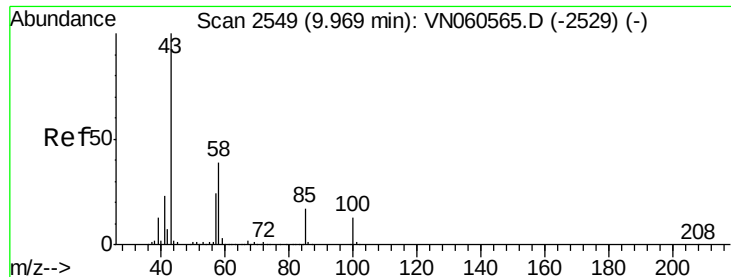
MMDadoda
3/20/2020 12:05:39 PM



#50
Toluene-d8
Concen: 47.619 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 272.693 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 888651

Ion Ratio Lower Upper

43 100

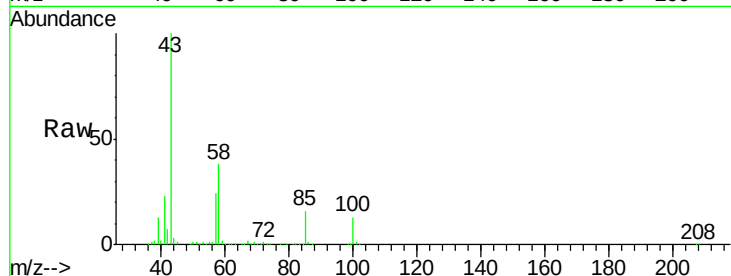
58 38.3 30.8 46.2

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

500000

400000

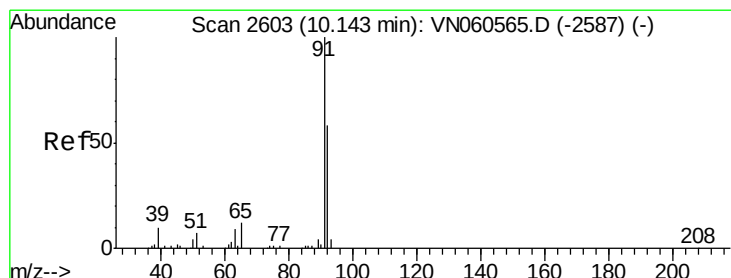
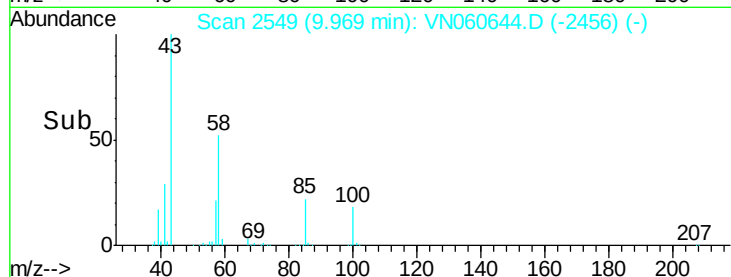
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.838 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060644.D

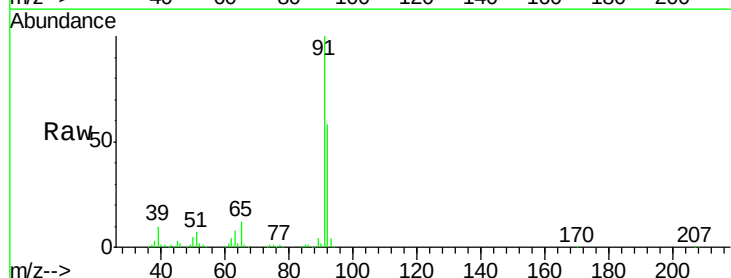
Acq: 19 Mar 2020 18:03

Tgt Ion: 92 Resp: 297856

Ion Ratio Lower Upper

92 100

91 171.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

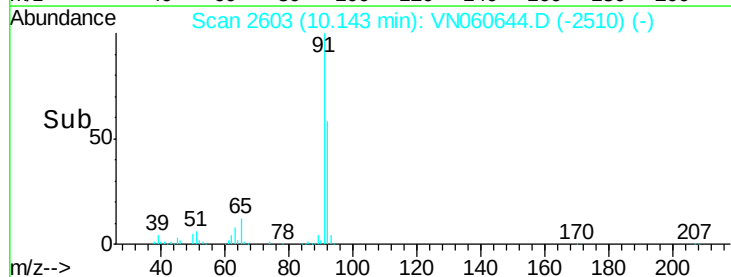
300000

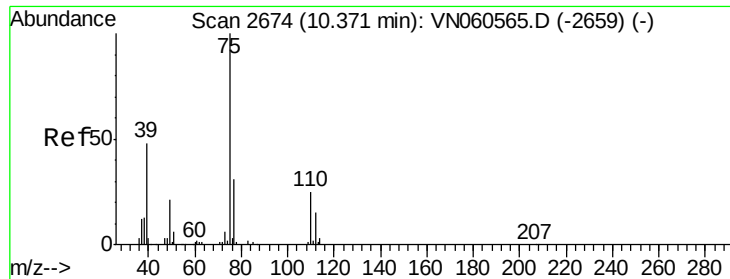
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.251 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 193017

Ion Ratio Lower Upper

75 100

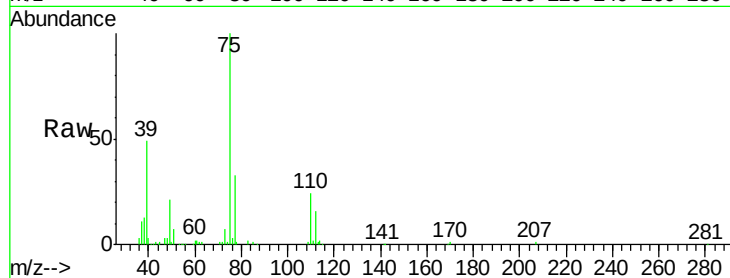
77 32.0 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

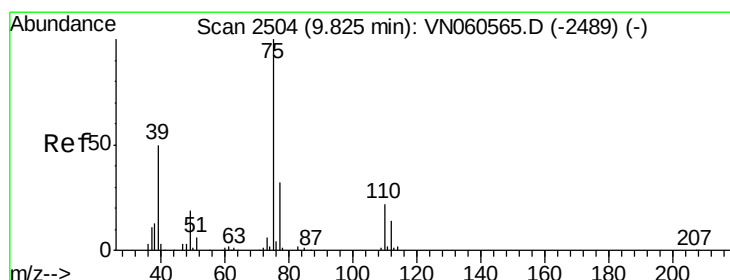
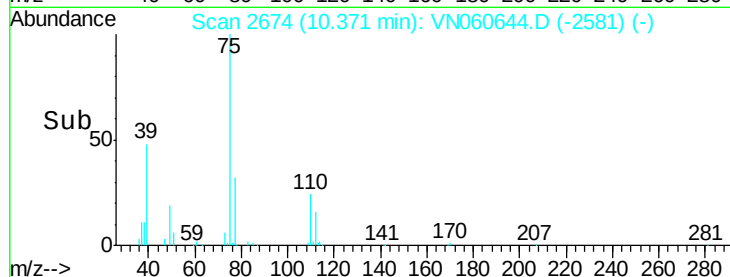
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.921 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

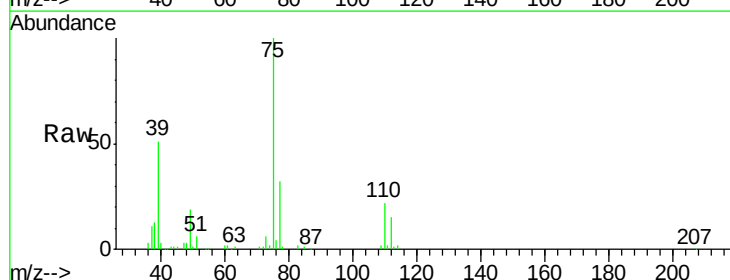
Tgt Ion: 75 Resp: 206361

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 51.2 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

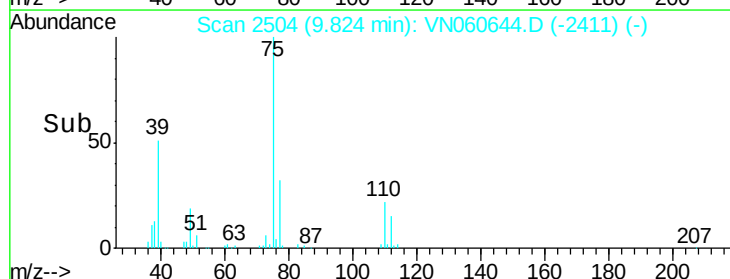
150000

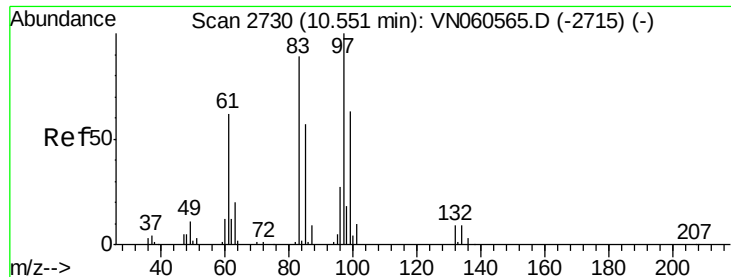
100000

50000

0

Time-->





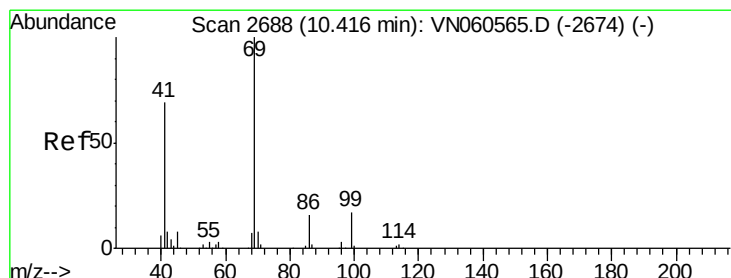
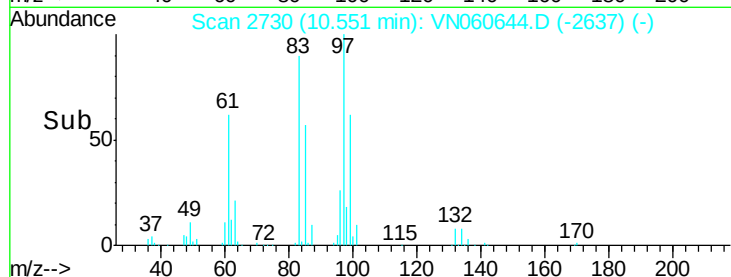
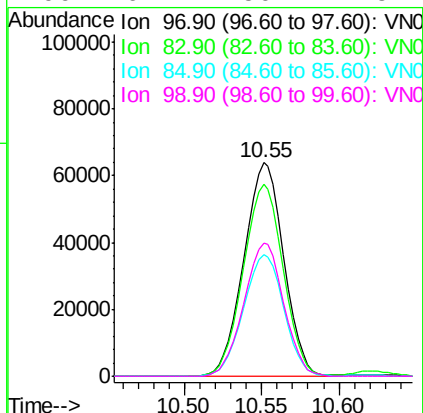
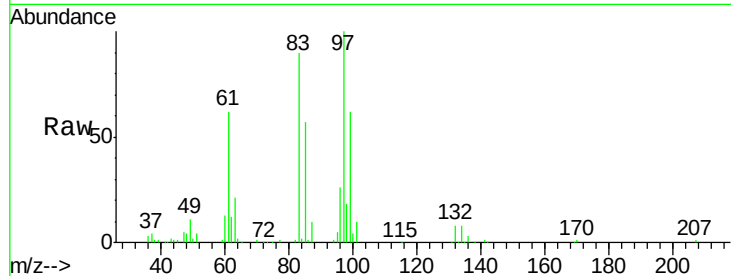
#55
 1,1,2-Trichloroethane
 Concen: 50.933 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114805		
83	89.6	71.3	106.9		
85	57.0	45.2	67.8		
99	62.4	50.1	75.1		

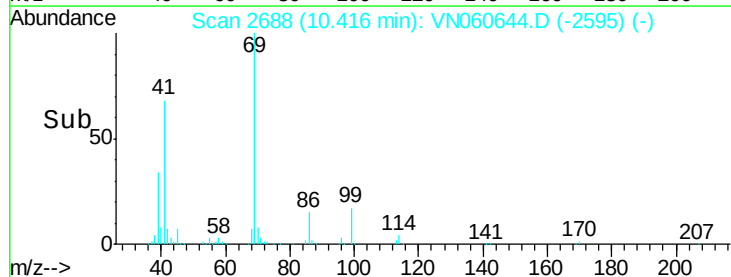
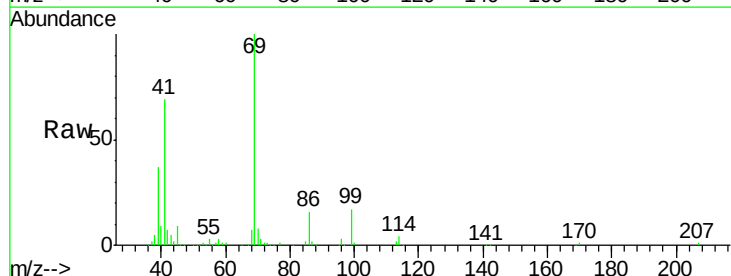
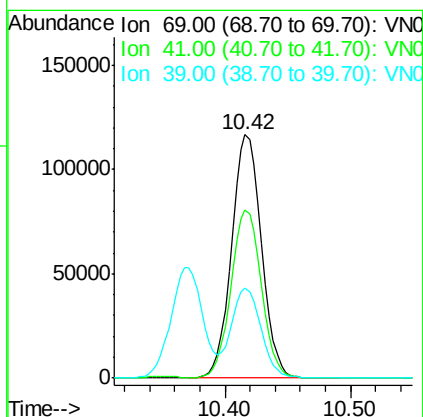
Manual Integrations
 APPROVED

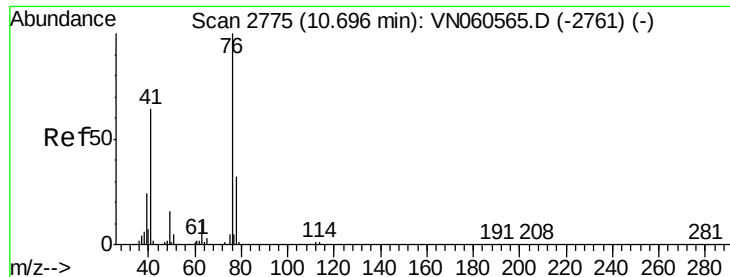
MMDadoda
 3/20/2020 12:05:39 PM



#56
 Ethyl methacrylate
 Concen: 54.866 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		192828		
41	69.5	55.4	83.2		
39	36.9	29.4	44.0		





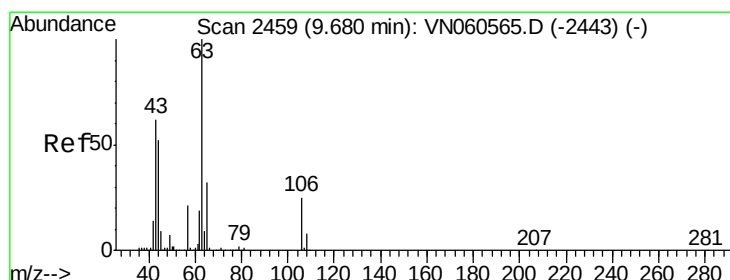
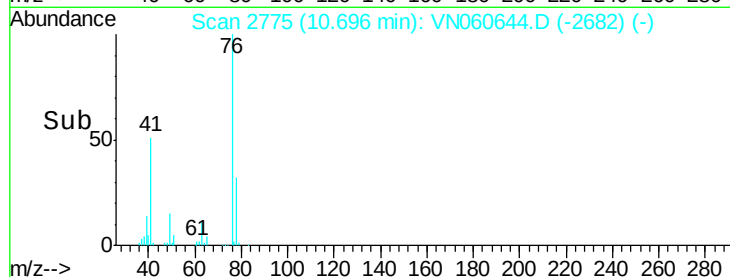
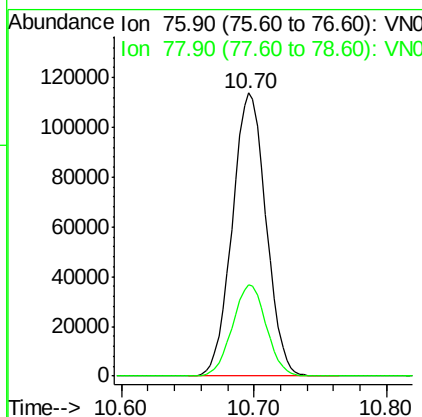
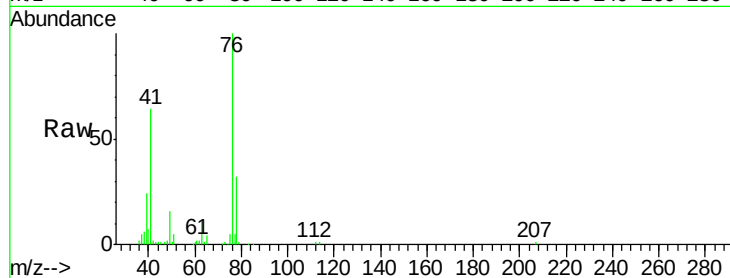
#57
 1,3-Dichloropropane
 Concen: 51.448 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

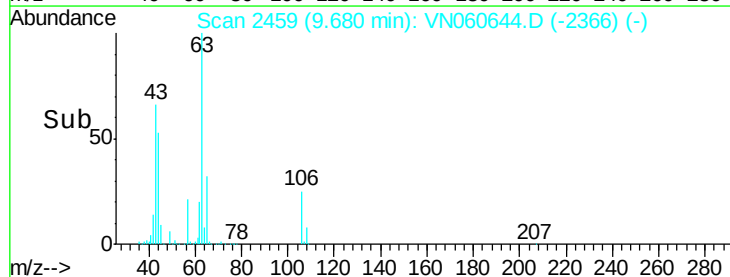
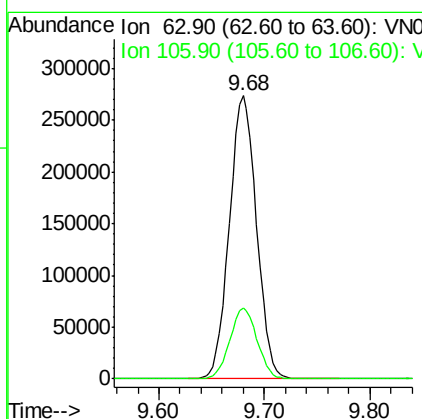
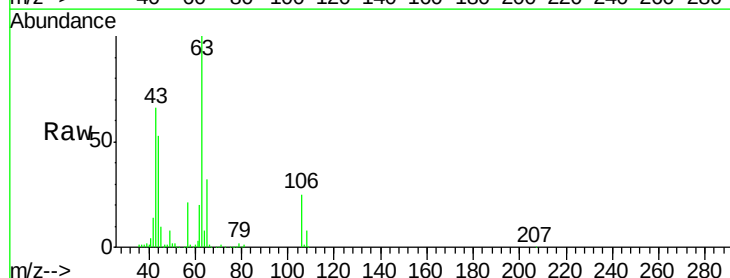
Manual Integrations
 APPROVED

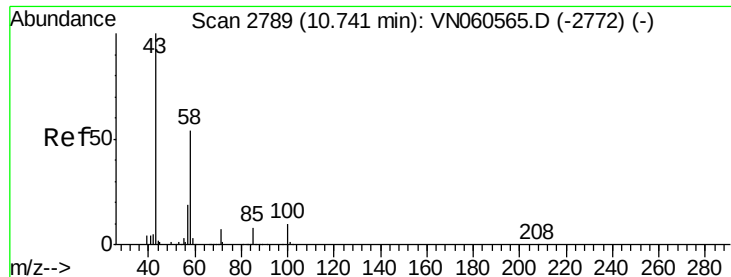
MMDadoda
 3/20/2020 12:05:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 277.969 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.0	30.0





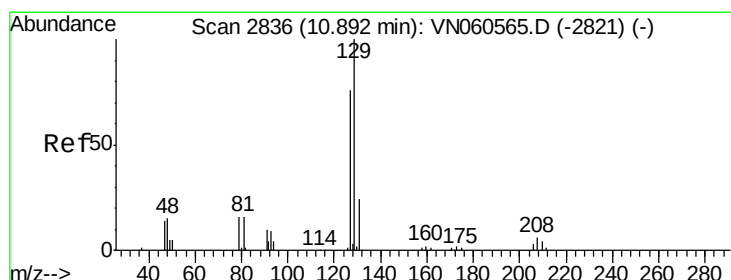
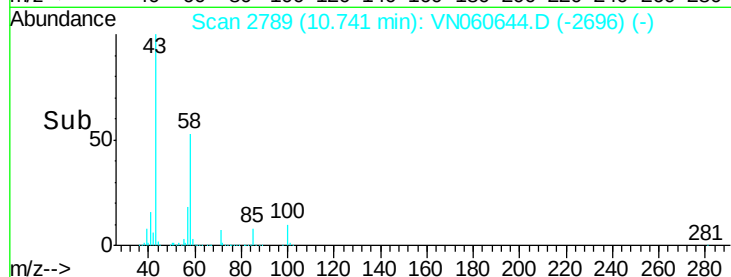
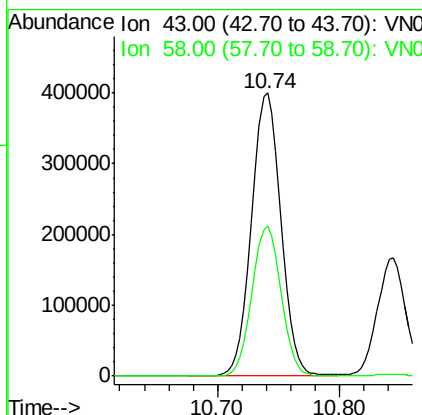
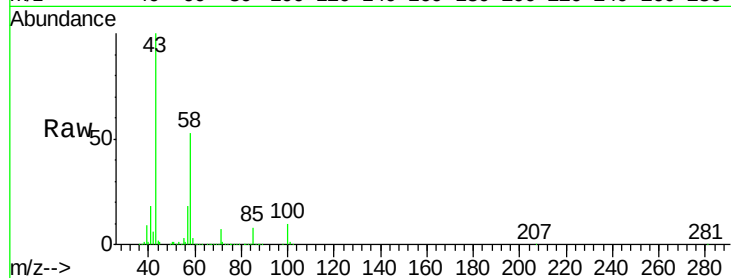
#59
2-Hexanone
Concen: 280.026 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 657355
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1

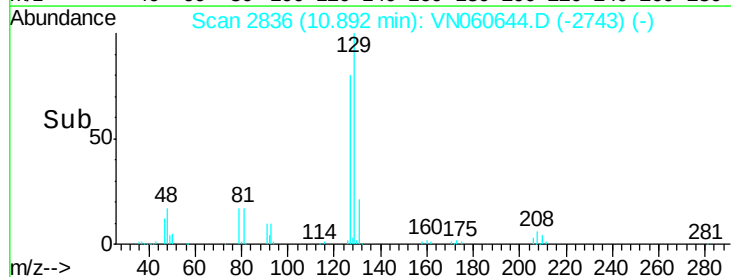
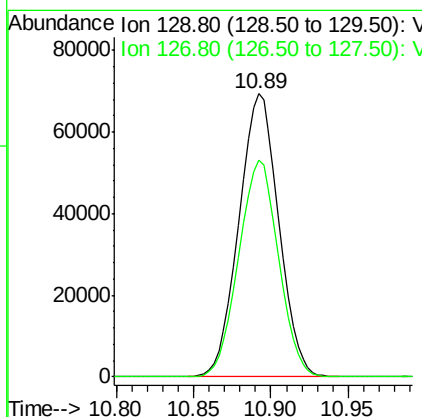
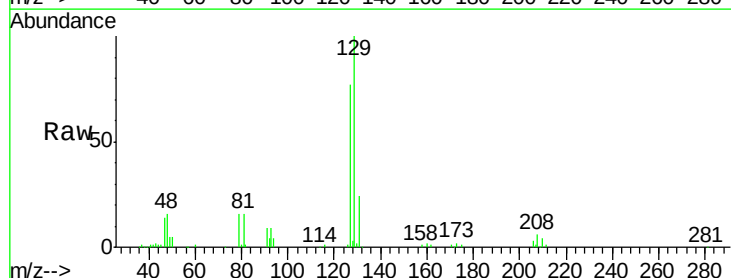
Manual Integrations
APPROVED

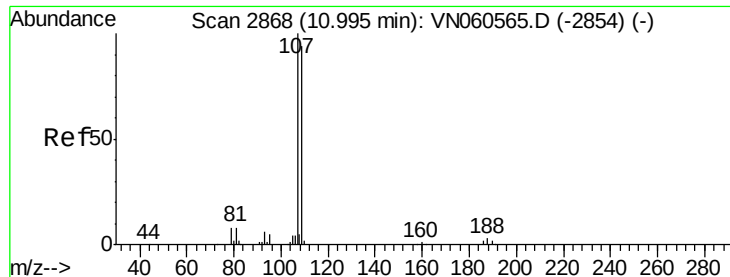
MMDadoda
3/20/2020 12:05:39 PM



#60
Dibromochloromethane
Concen: 53.289 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion: 129 Resp: 124073
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





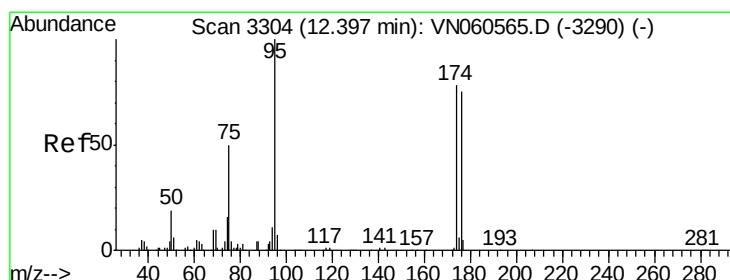
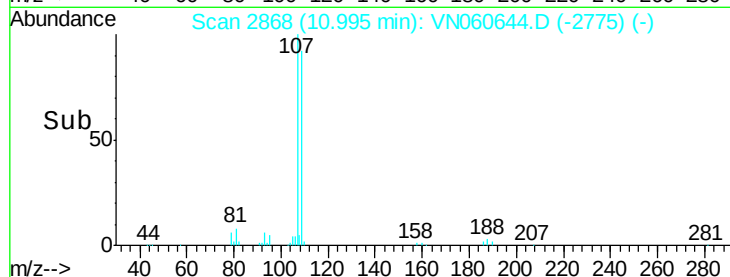
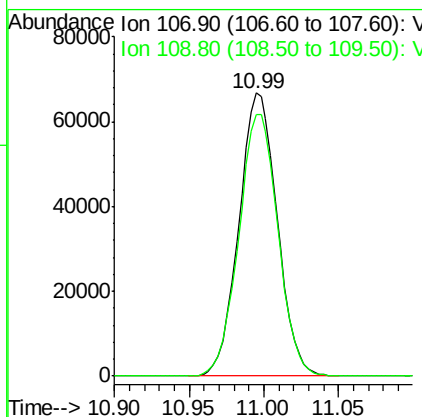
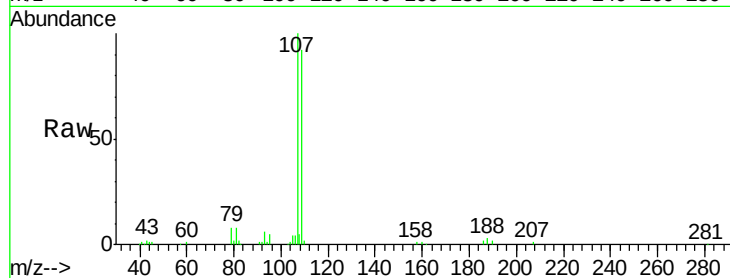
#61
 1,2-Dibromoethane
 Concen: 52.381 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

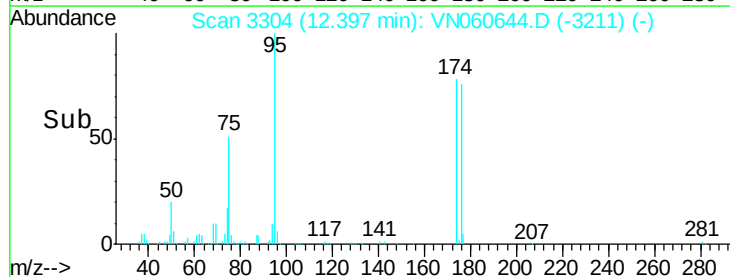
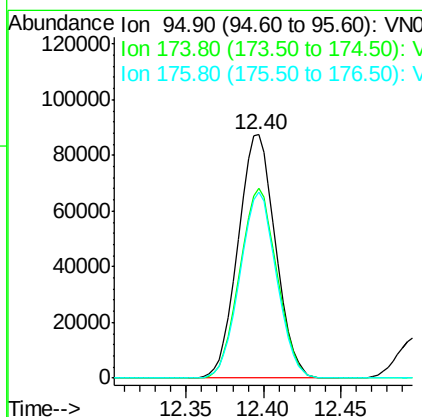
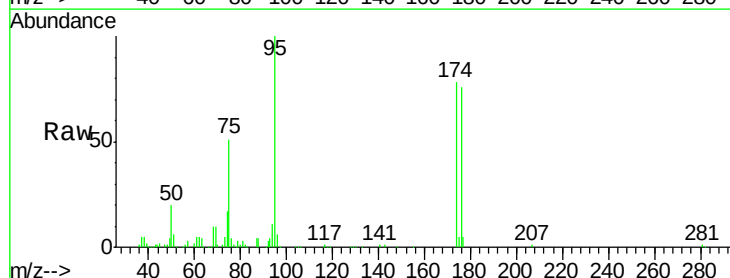
Manual Integrations
 APPROVED

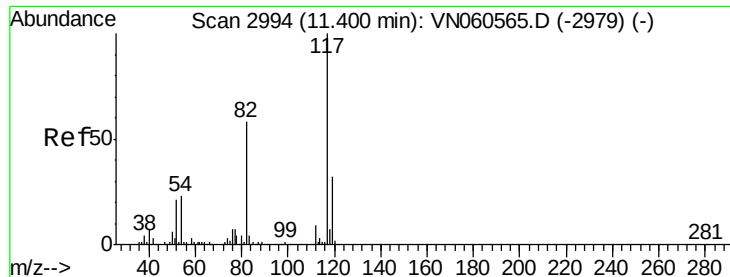
MMDadoda
 3/20/2020 12:05:39 PM



#62
 4-Bromofluorobenzene
 Concen: 49.052 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	157.6
176	74.8	0.0	150.6





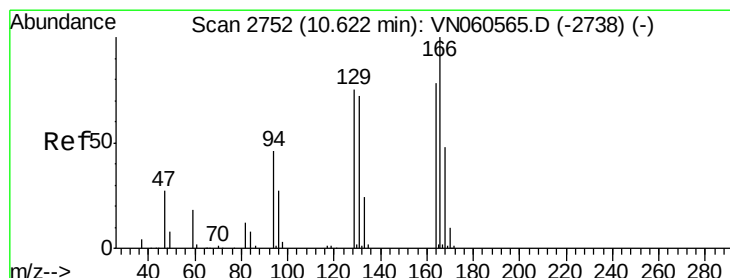
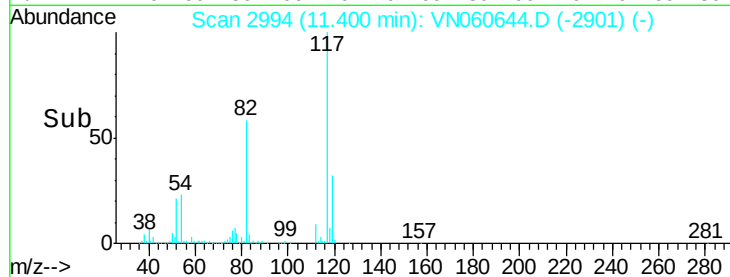
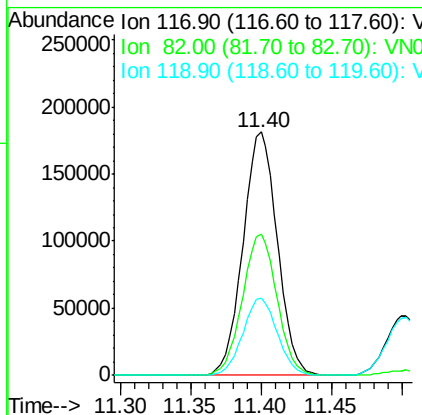
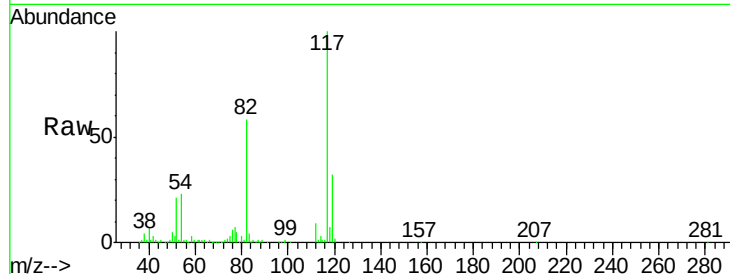
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.7	70.1
119	31.6	25.5	38.3

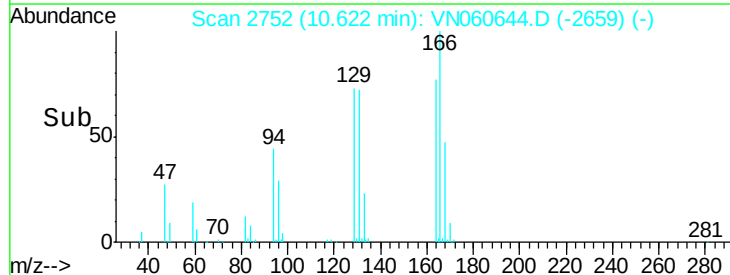
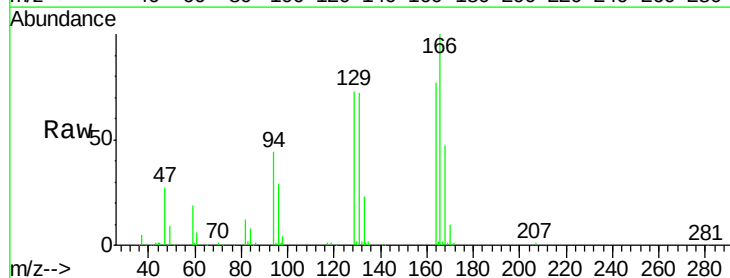
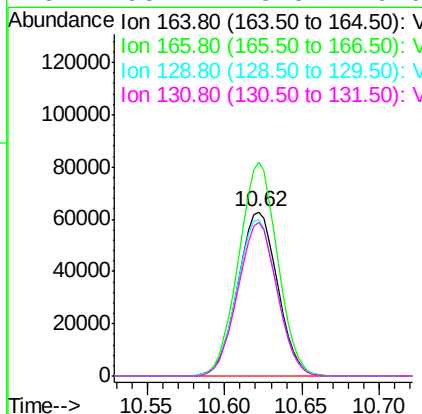
Manual Integrations
APPROVED

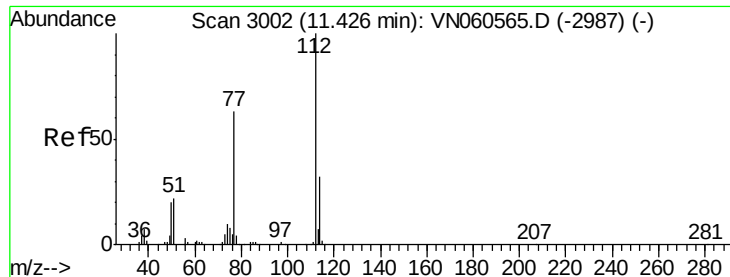
MMDadoda
3/20/2020 12:05:39 PM



#64
Tetrachloroethene
Concen: 46.121 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.7	154.1
129	95.4	77.2	115.8
131	93.1	73.8	110.6





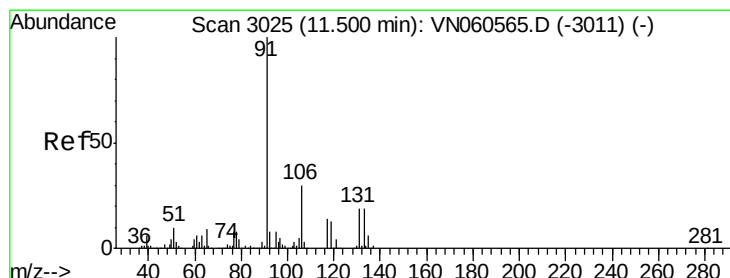
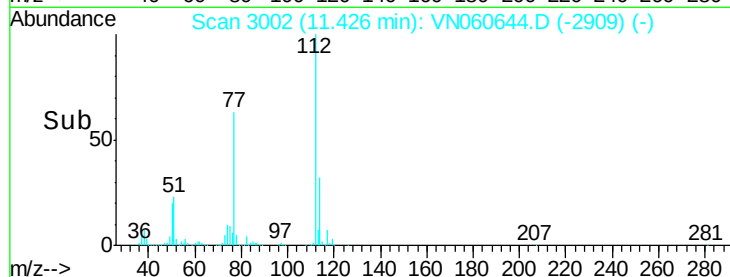
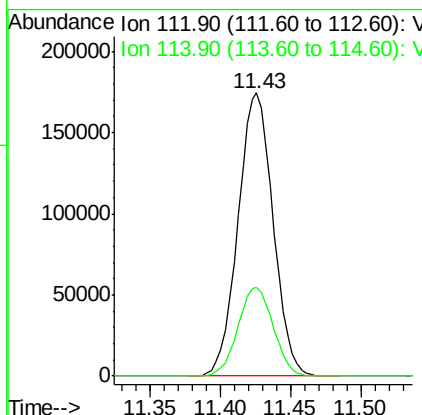
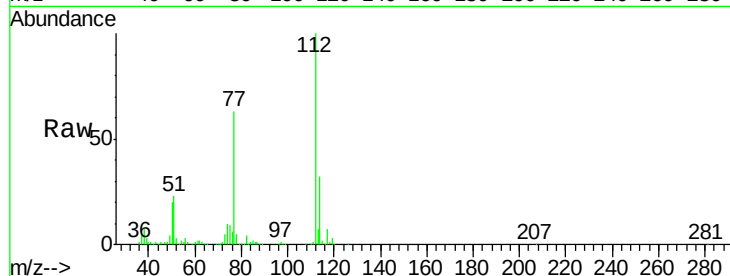
#65
Chlorobenzene
Concen: 49.409 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

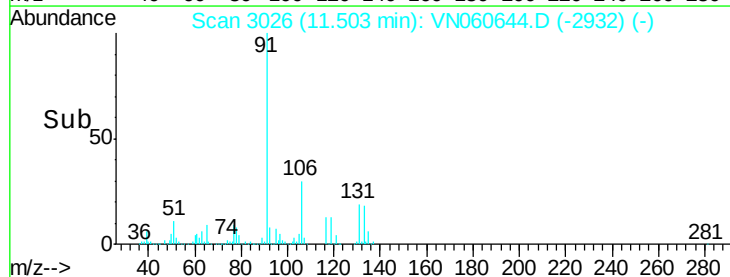
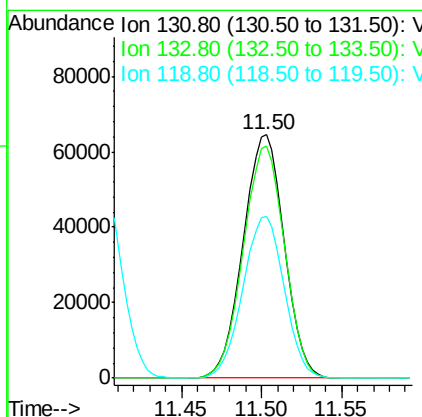
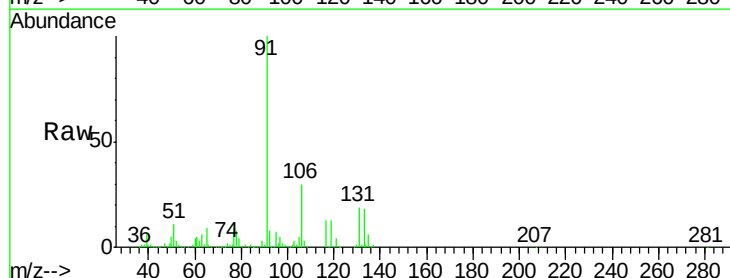
Manual Integrations
APPROVED

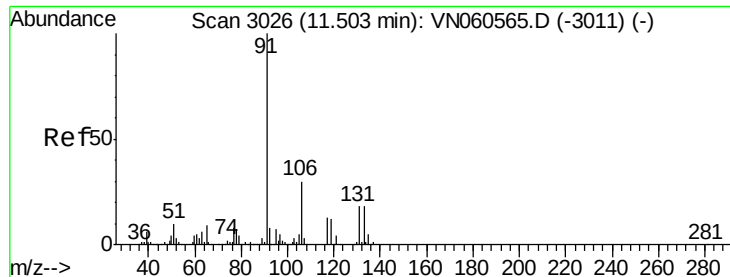
MMDadoda
3/20/2020 12:05:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.949 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.9	146.8
119	66.6	33.9	101.7





#67

Ethyl Benzene

Concen: 50.115 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 571931

Ion Ratio Lower Upper

91 100

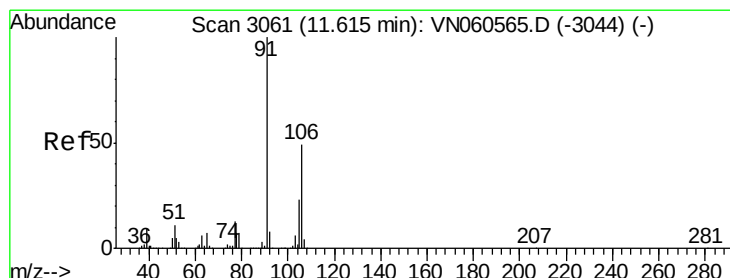
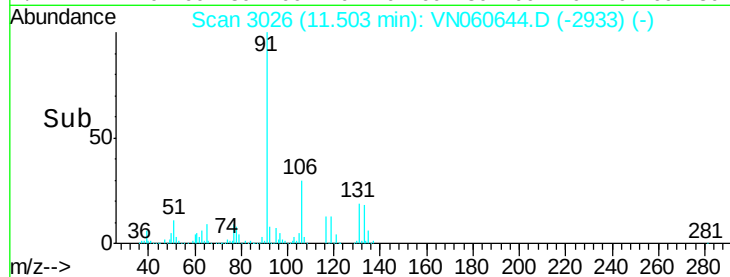
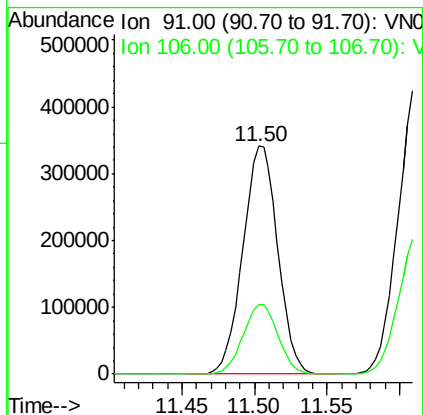
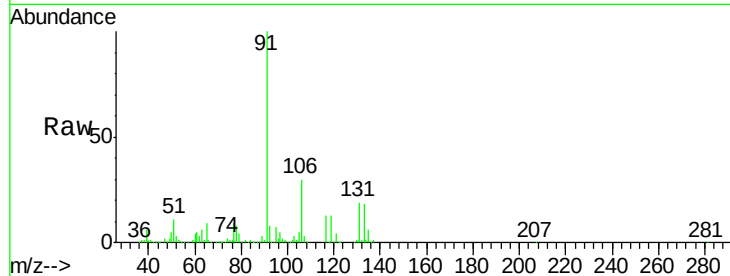
106 30.5 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#68

m/p-Xylenes

Concen: 98.848 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060644.D

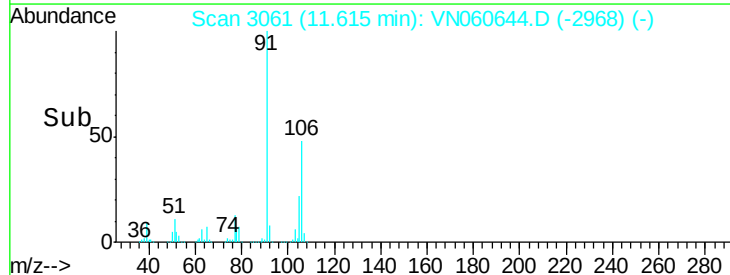
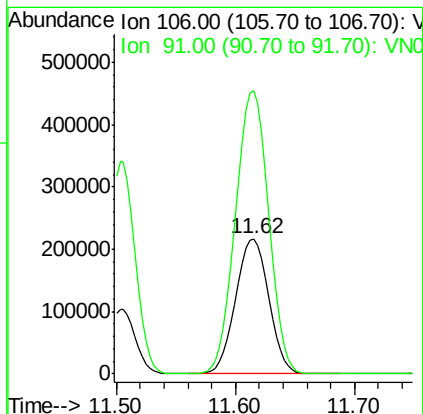
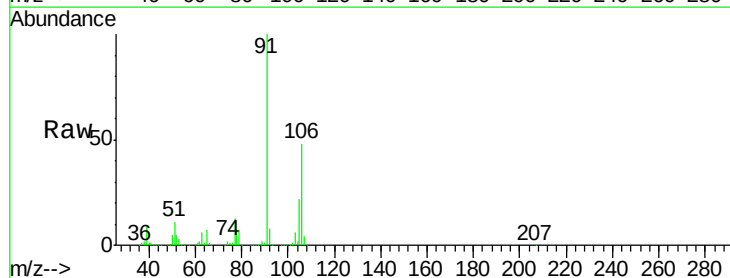
Acq: 19 Mar 2020 18:03

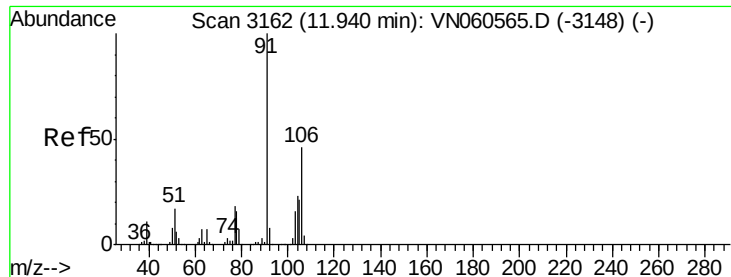
Tgt Ion: 106 Resp: 419204

Ion Ratio Lower Upper

106 100

91 209.7 165.0 247.4





#69

o-Xylene

Concen: 50.558 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 204679

Ion Ratio Lower Upper

106 100

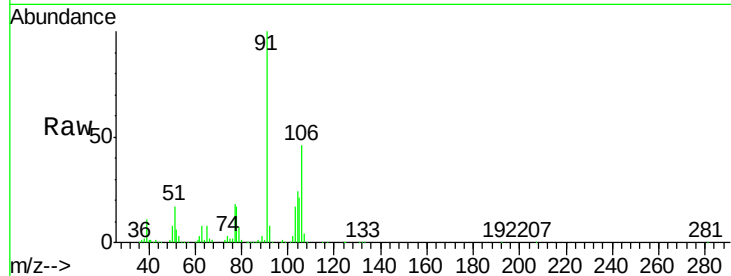
91 220.7 109.5 328.4

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

250000

200000

150000

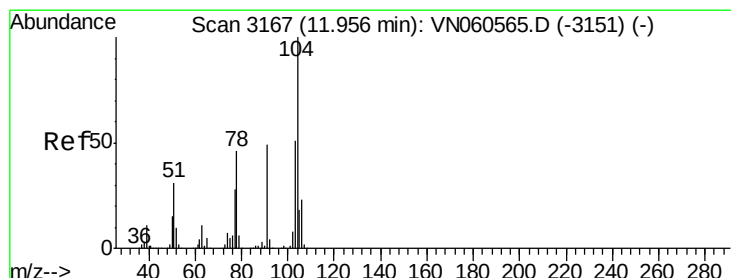
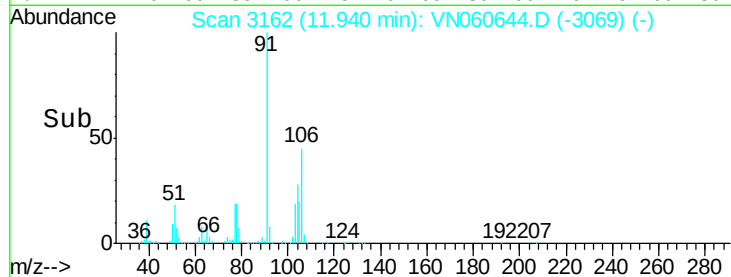
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 53.146 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

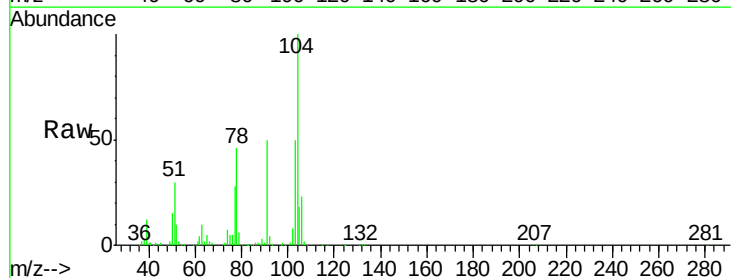
Tgt Ion:104 Resp: 351889

Ion Ratio Lower Upper

104 100

78 51.5 41.2 61.8

103 54.1 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

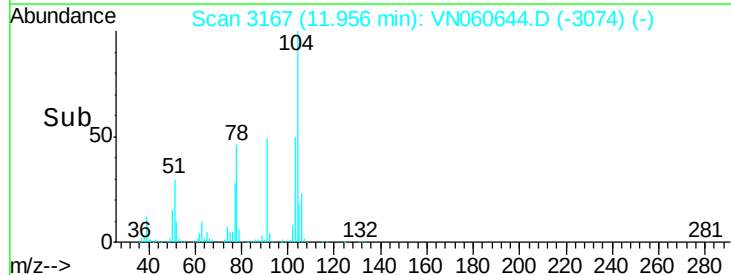
100000

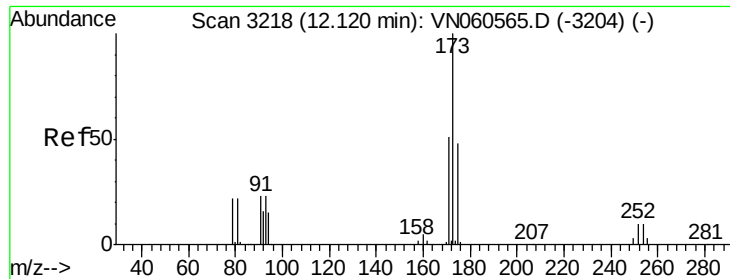
50000

0

11.90 11.95 12.00

Time-->





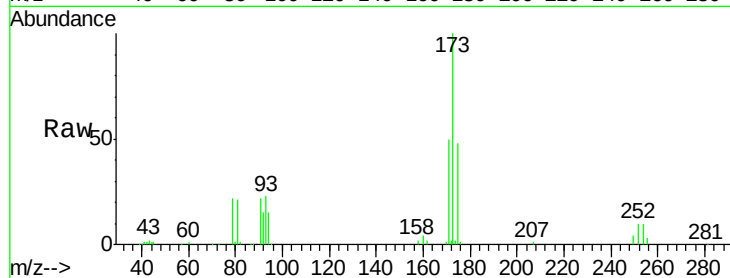
#71
Bromoform
Concen: 49.479 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

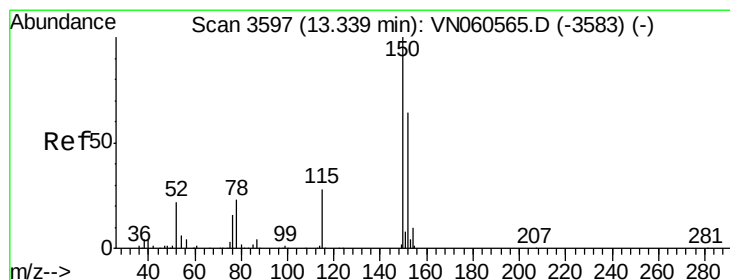
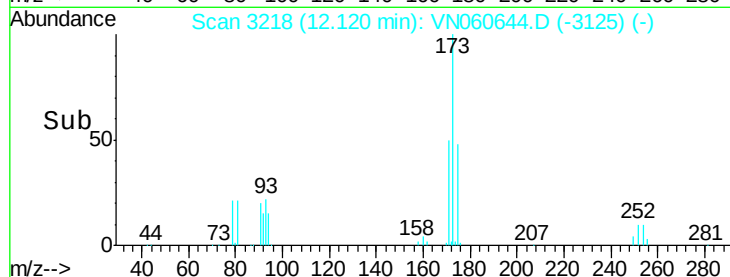
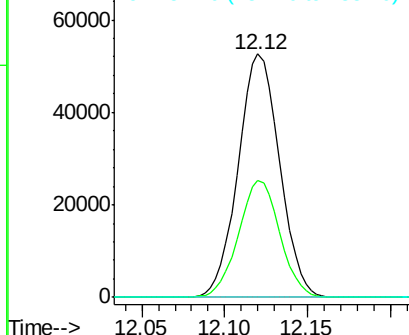
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM

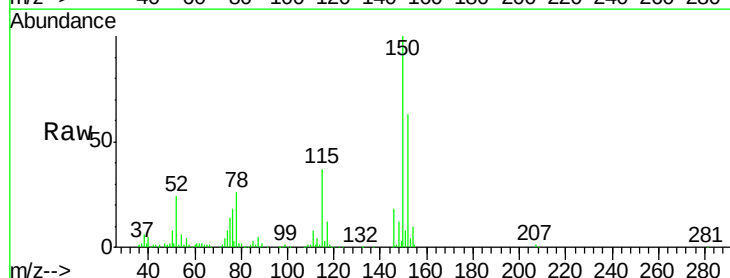


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

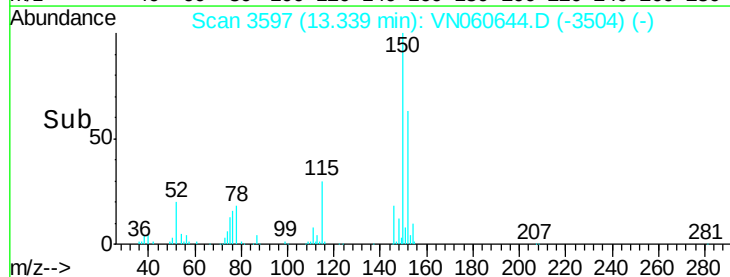
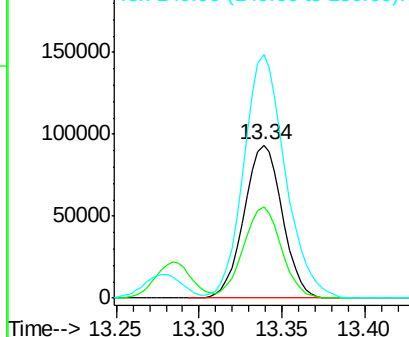


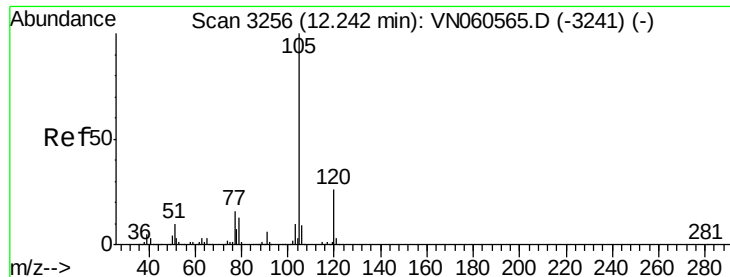
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.2	90.6
150	172.6	0.0	350.2



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





#73

Isopropylbenzene

Concen: 48.469 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 545492

Ion Ratio Lower Upper

105 100

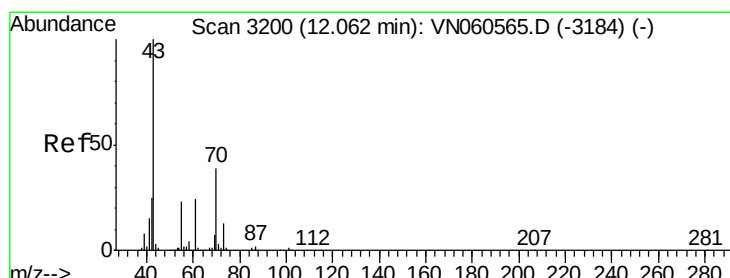
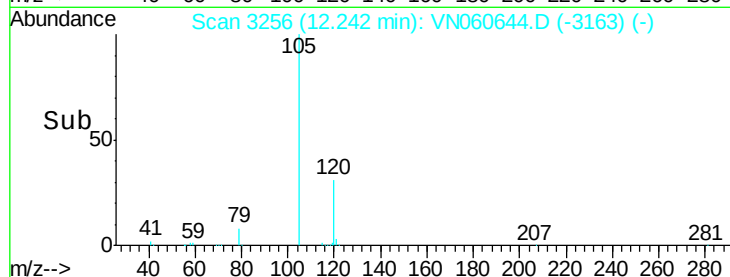
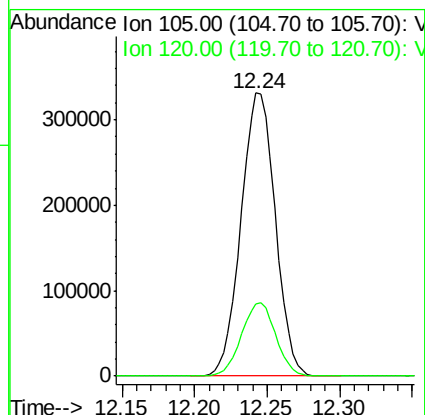
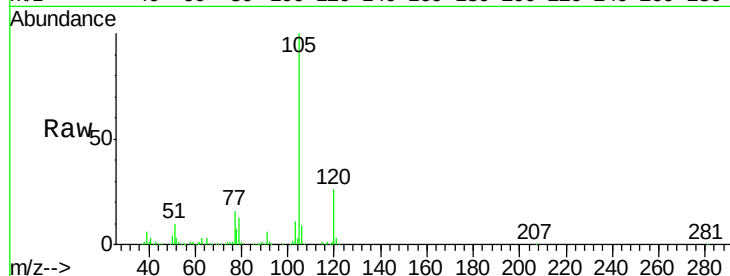
120 25.8 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



#74

N-ethyl acetate

Concen: 52.817 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion: 43 Resp: 274681

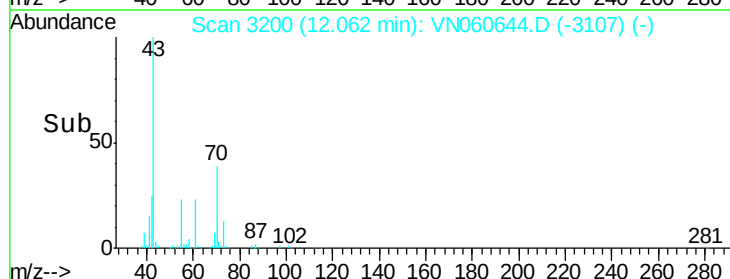
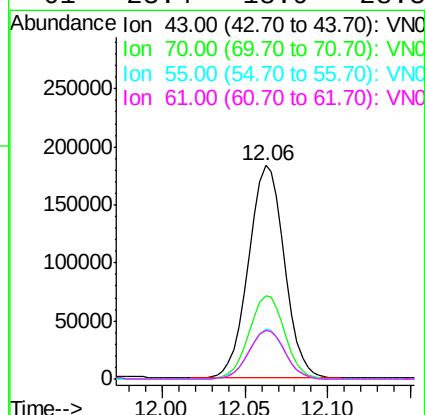
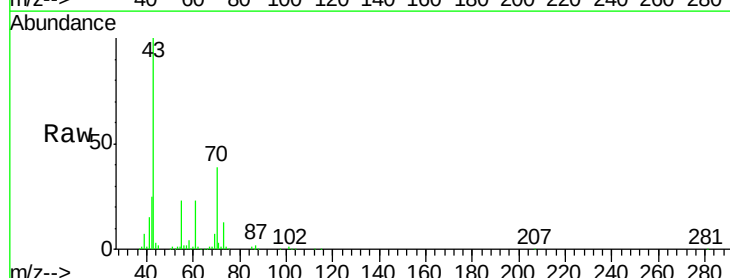
Ion Ratio Lower Upper

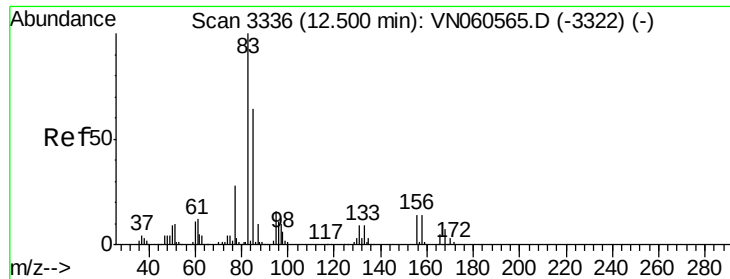
43 100

70 39.5 31.1 46.7

55 23.5 18.6 27.8

61 23.4 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.532 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

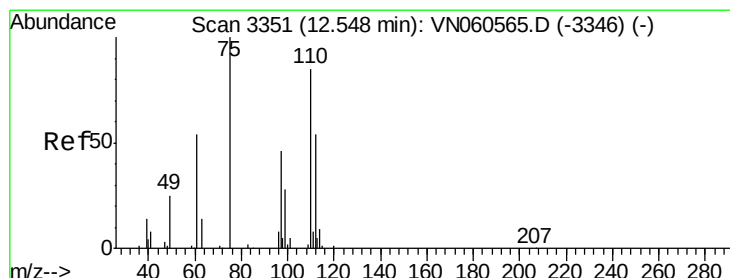
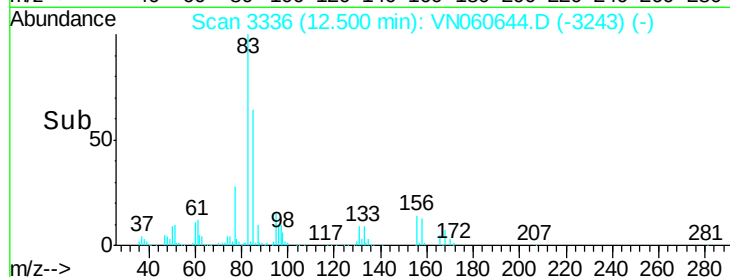
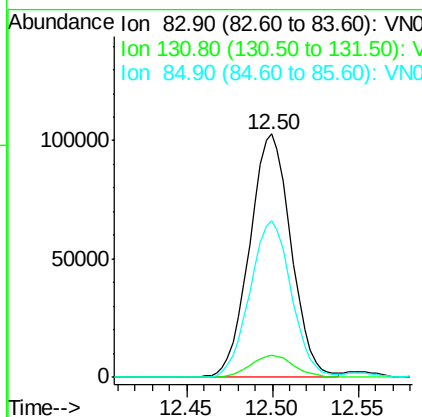
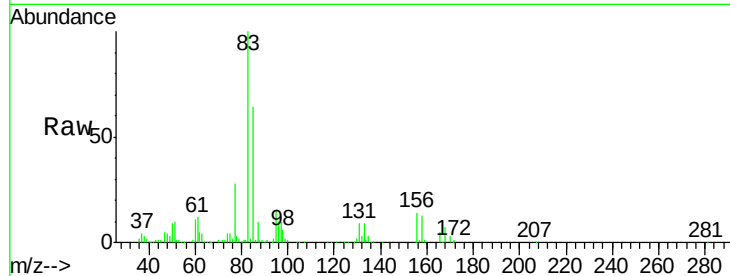
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	171984
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.0	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#76

1,2,3-Trichloropropane

Concen: 47.382 ug/l m

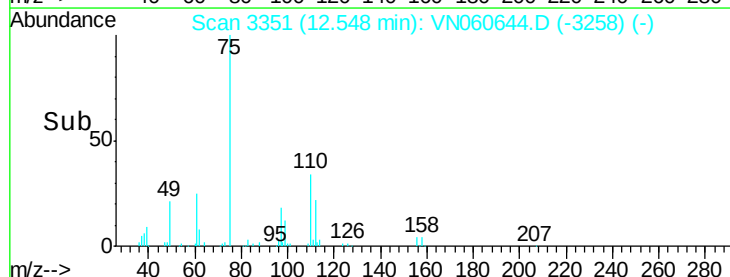
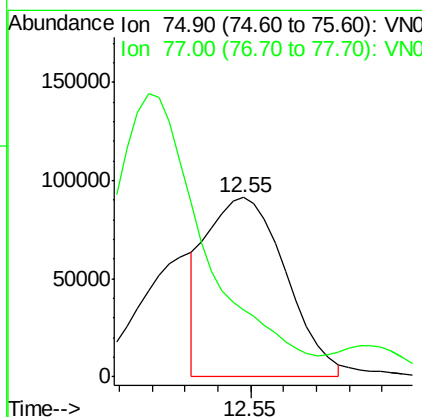
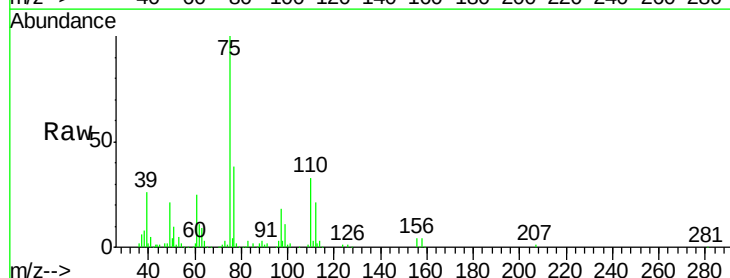
RT: 12.55 min Scan# 3351

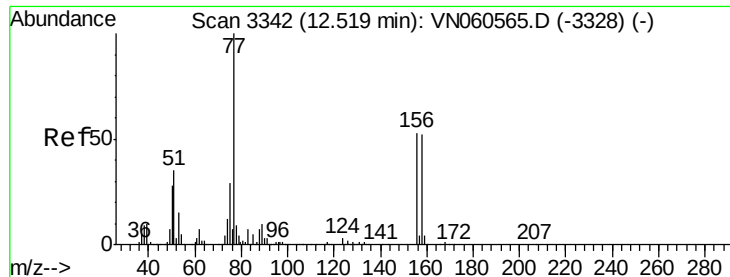
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion:	75	Resp:	153328
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.406 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

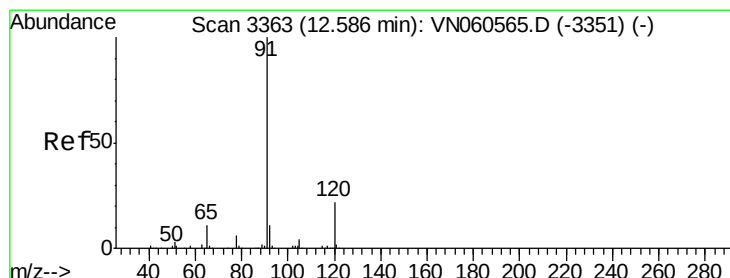
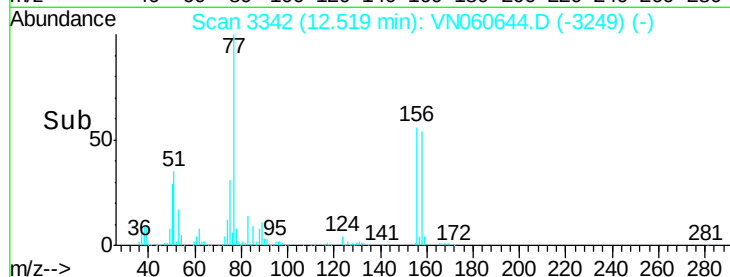
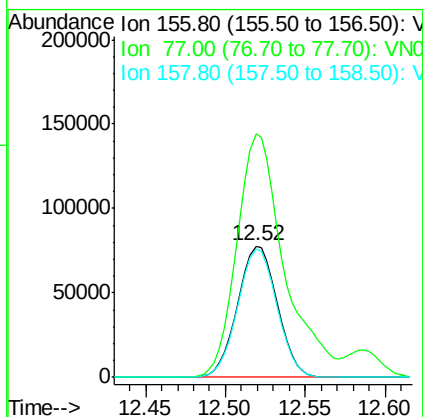
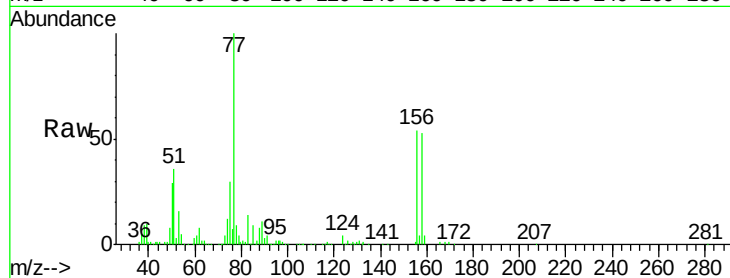
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	131274
Ion Ratio	Lower	Upper	
156	100		
77	222.2	112.3	337.0
158	97.0	48.6	145.8

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#78

n-propylbenzene

Concen: 48.466 ug/l

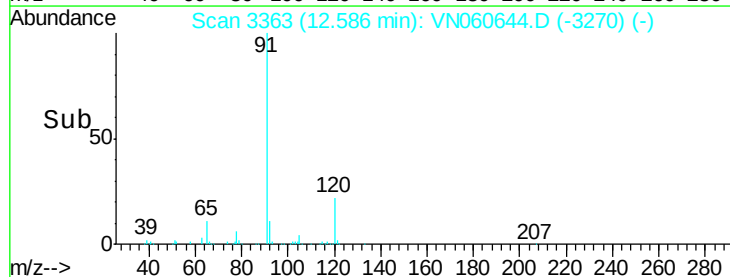
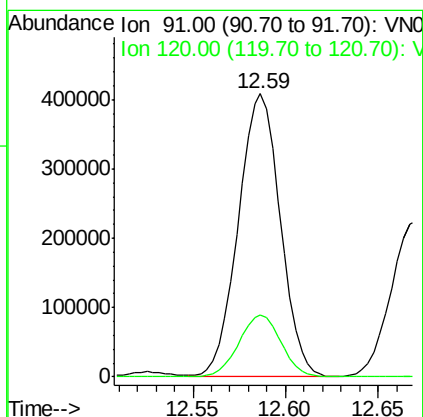
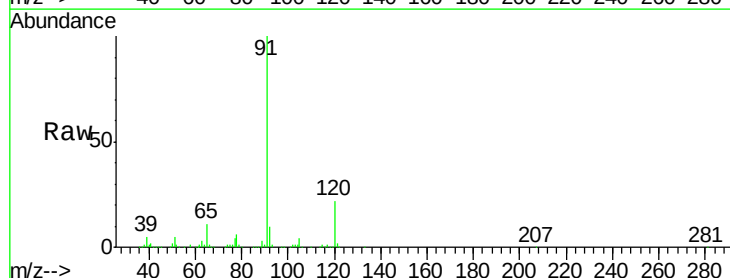
RT: 12.59 min Scan# 3363

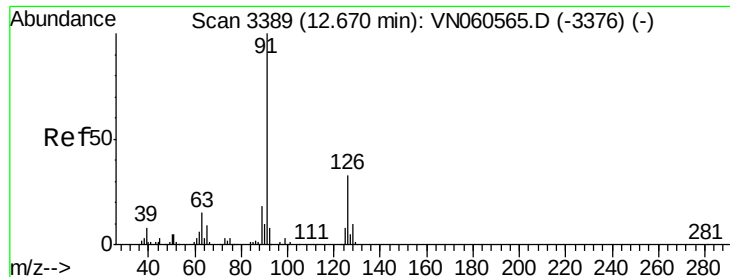
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion:	91	Resp:	644426
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.3	33.8





#79

2-Chlorotoluene

Concen: 47.611 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 378257

Ion Ratio Lower Upper

91 100

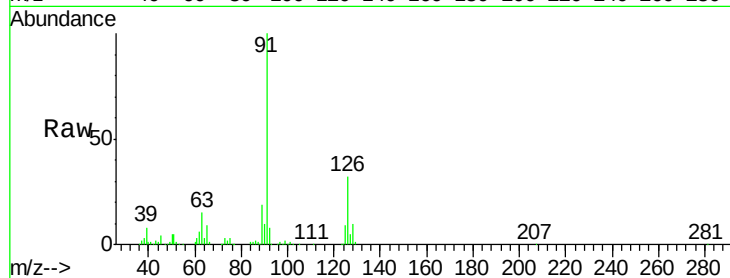
126 31.9 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VN060644.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060644.D (-3376) (-)

400000

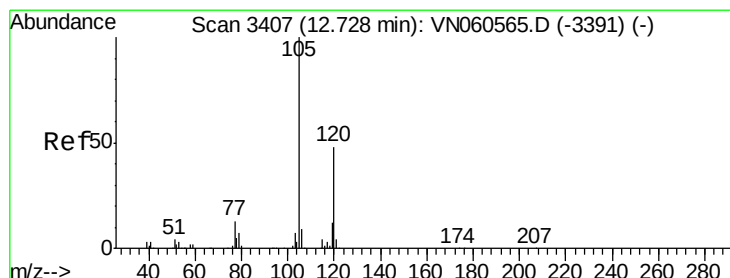
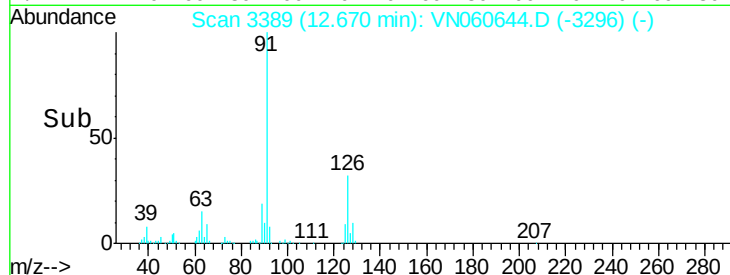
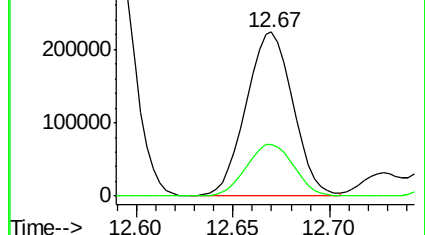
300000

200000

100000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 48.047 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060644.D

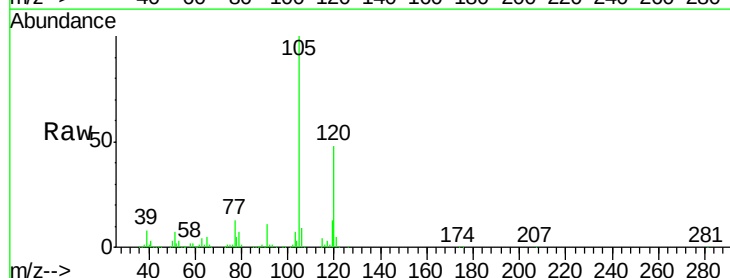
Acq: 19 Mar 2020 18:03

Tgt Ion: 105 Resp: 458889

Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060644.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060644.D (-3391) (-)

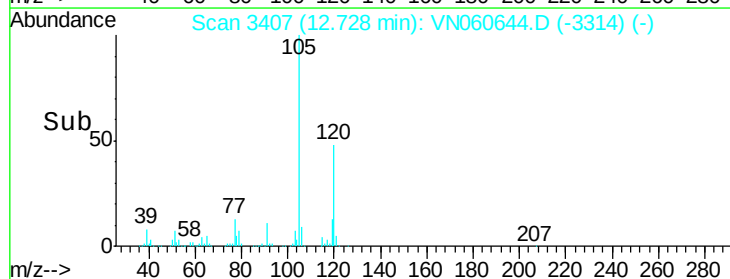
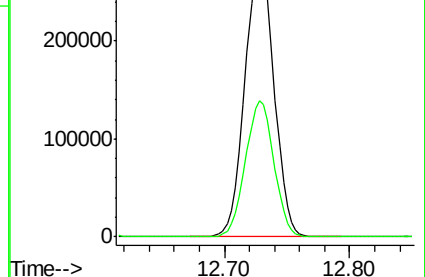
300000

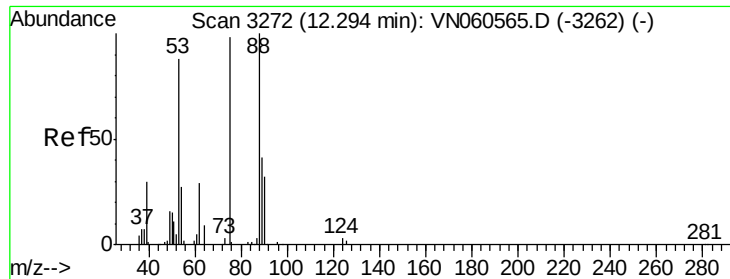
200000

100000

0

12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 50.442 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

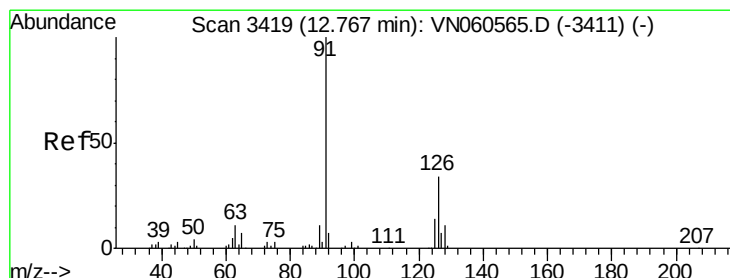
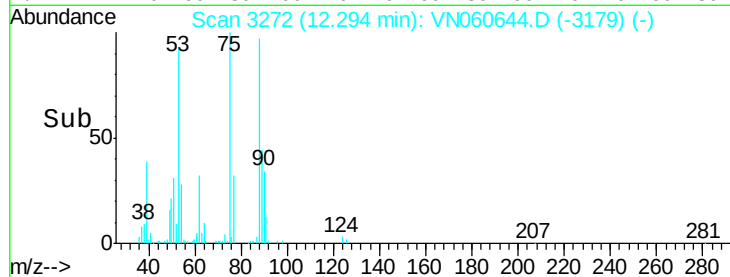
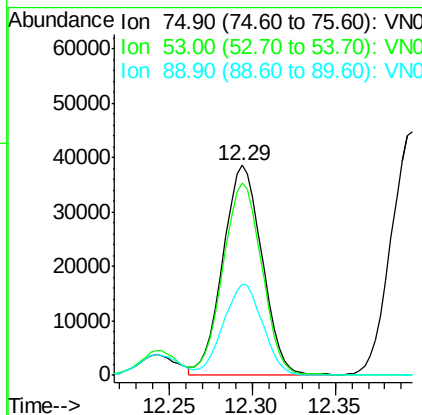
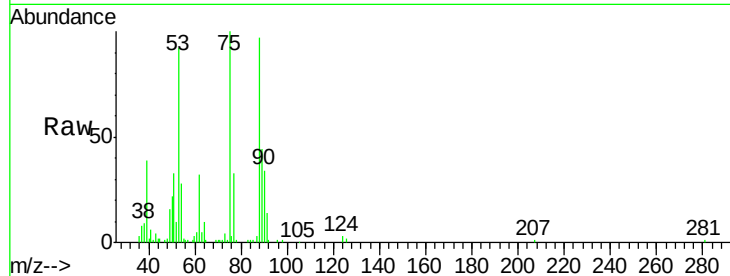
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	63556
Ion	Ratio	Lower	Upper
75	100		
53	91.3	73.0	109.4
89	43.4	34.8	52.2

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#82

4-Chlorotoluene

Concen: 48.934 ug/l

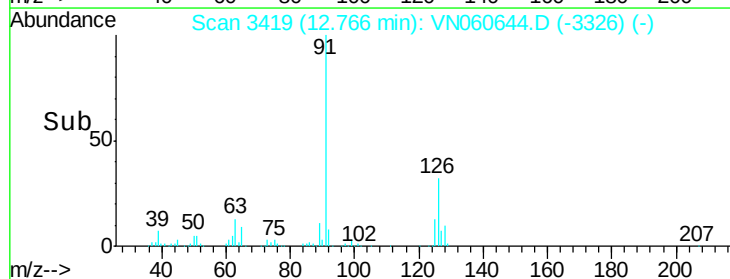
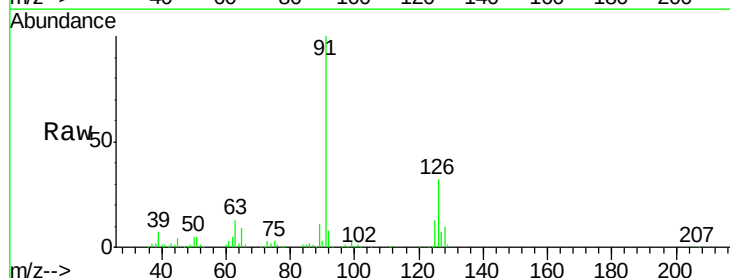
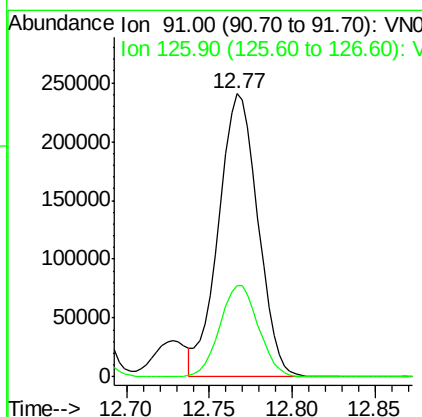
RT: 12.77 min Scan# 3419

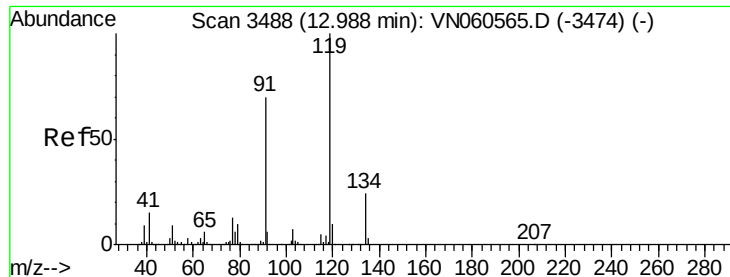
Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Tgt Ion:	91	Resp:	395951
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.5





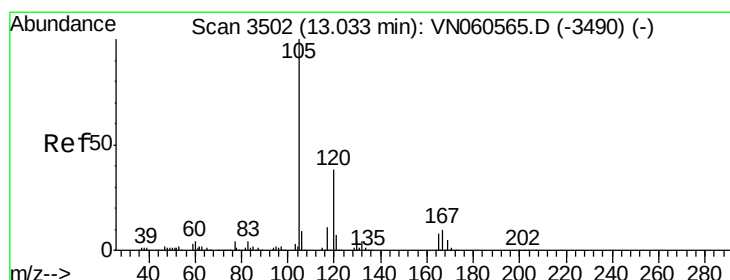
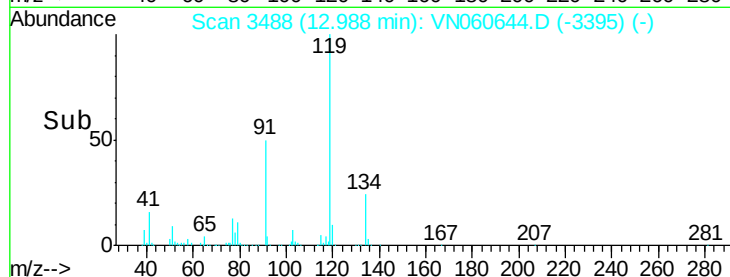
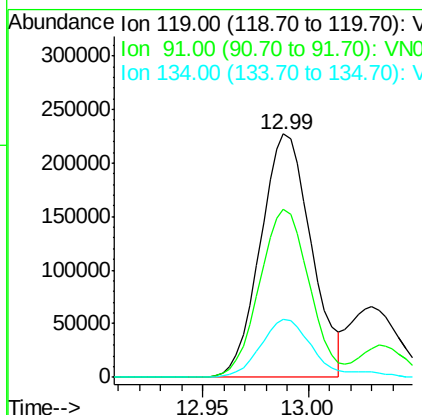
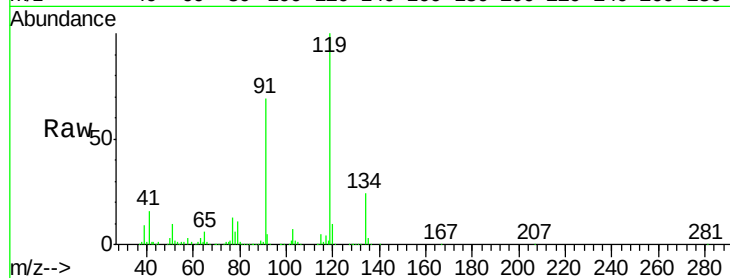
#83
 tert-Butylbenzene
 Concen: 48.064 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	25.2	12.7	38.0

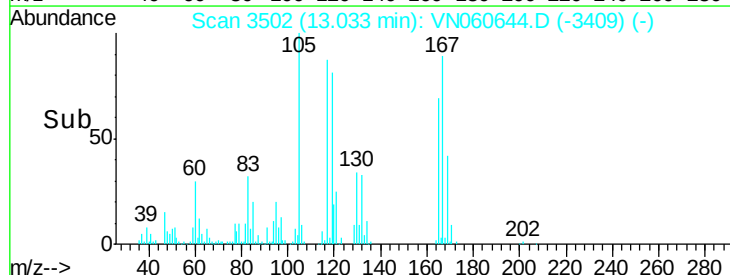
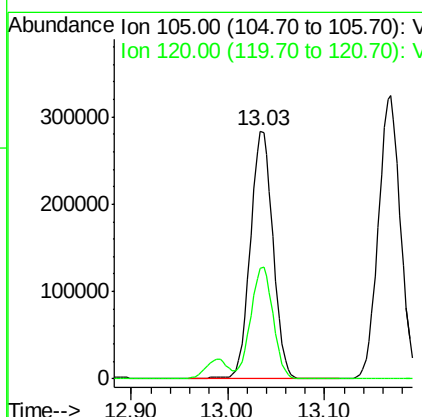
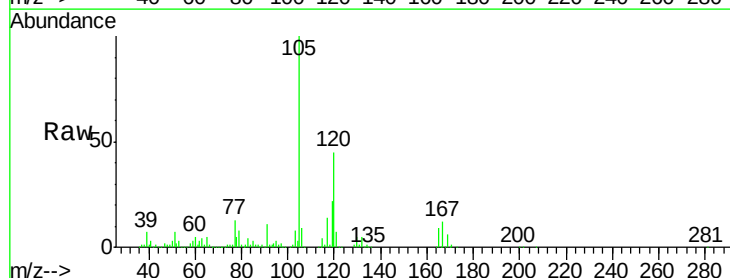
Manual Integrations
 APPROVED

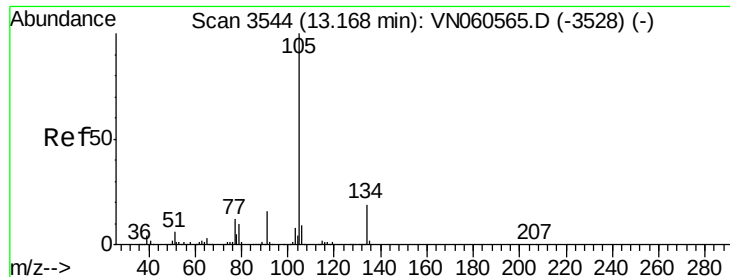
MMDadoda
 3/20/2020 12:05:39 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.611 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 47.942 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 510420

Ion Ratio Lower Upper

105 100

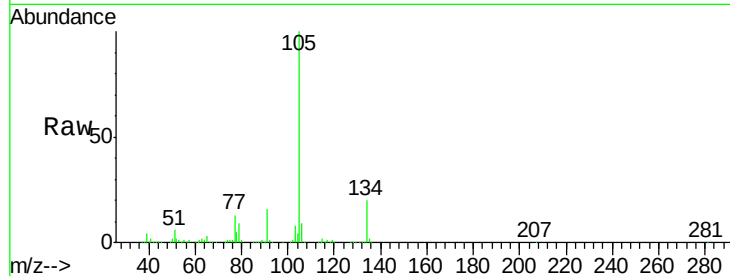
134 19.2 9.6 28.8

Manual Integrations

APPROVED

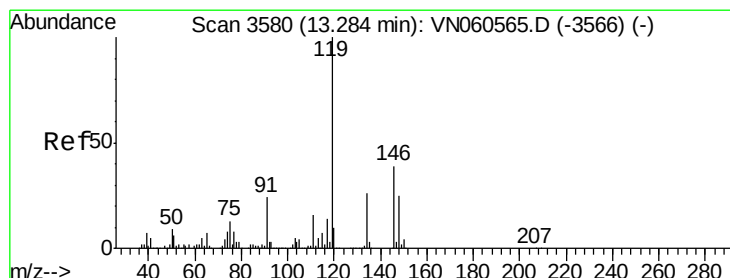
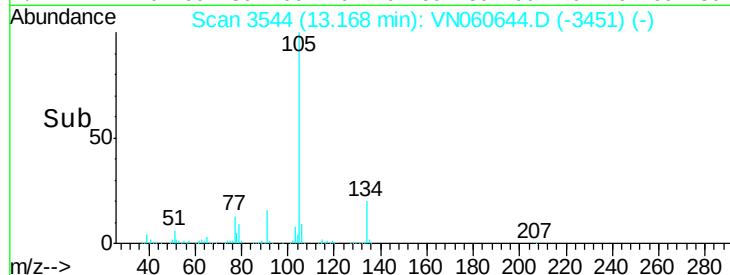
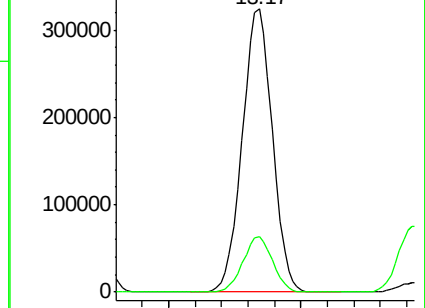
MMDadoda

3/20/2020 12:05:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.422 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060644.D

Acq: 19 Mar 2020 18:03

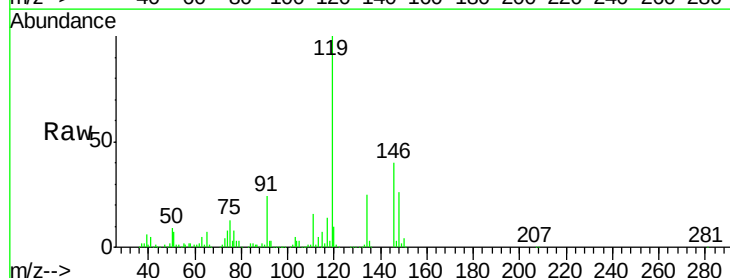
Tgt Ion:119 Resp: 463576

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

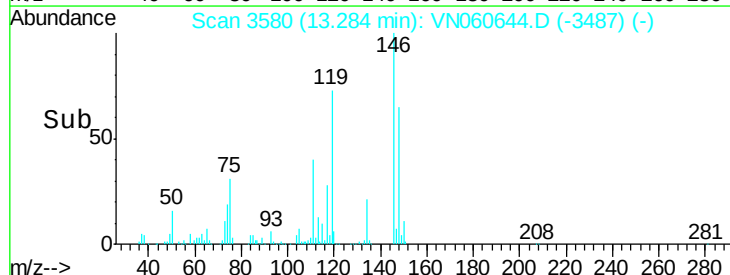
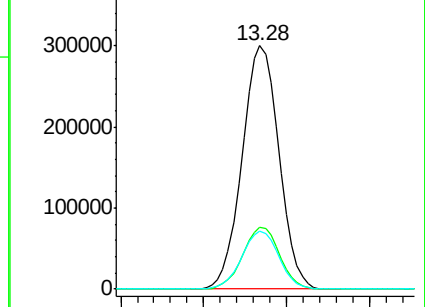
91 23.9 12.0 36.0

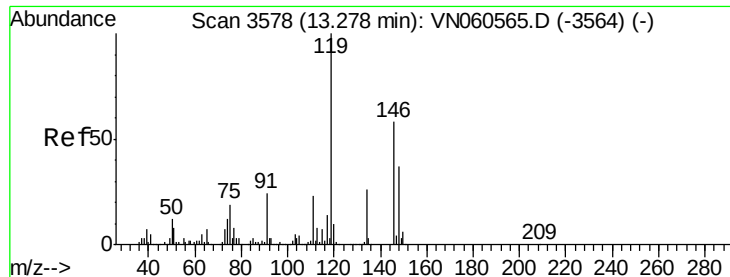


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





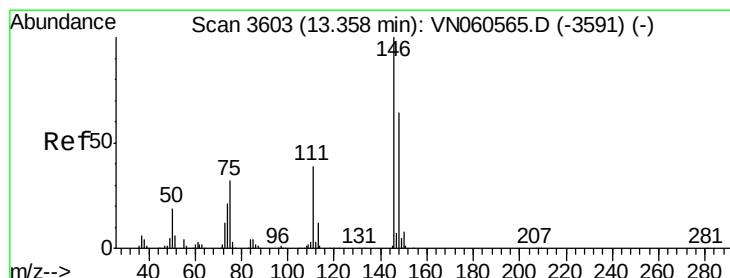
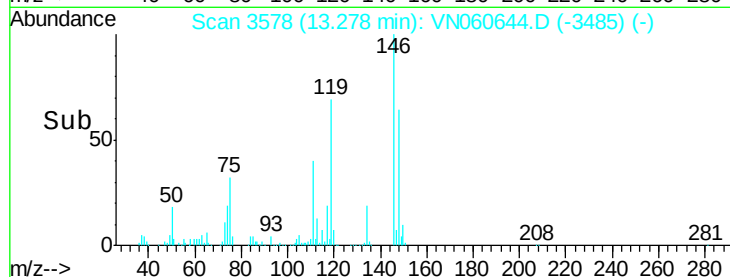
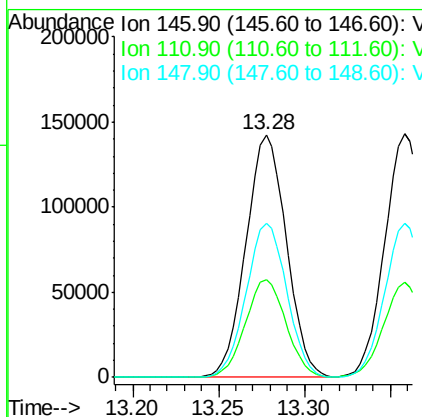
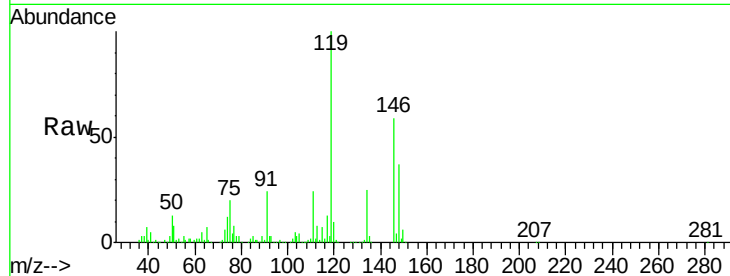
#87
 1,3-Dichlorobenzene
 Concen: 48.751 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.7	32.5	97.4

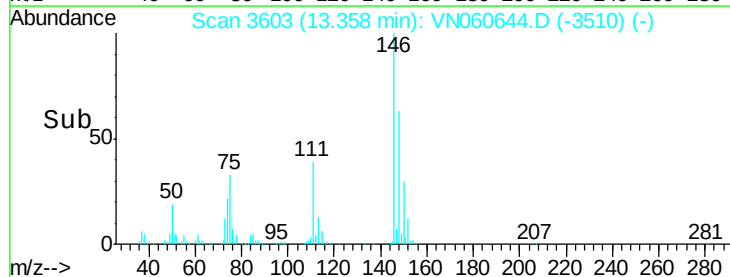
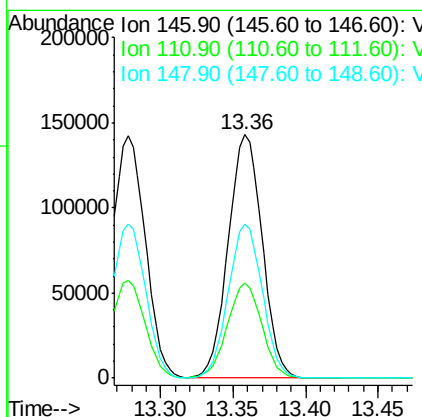
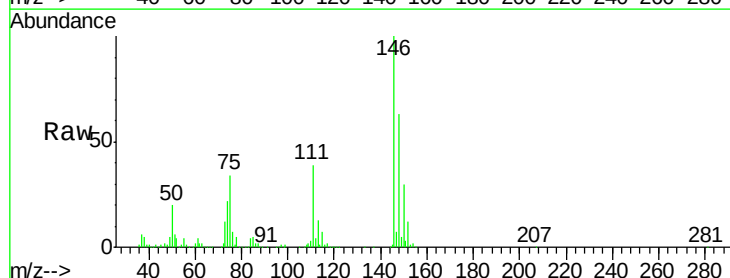
Manual Integrations
 APPROVED

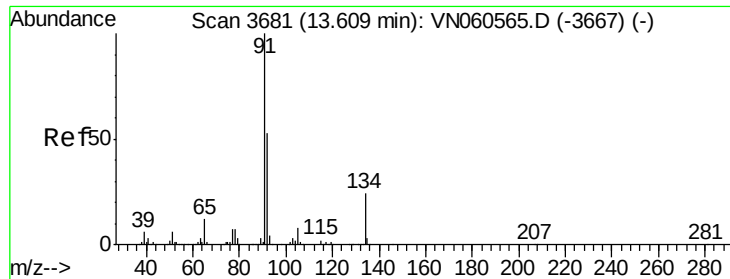
MMDadoda
 3/20/2020 12:05:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.471 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.3	32.1	96.3





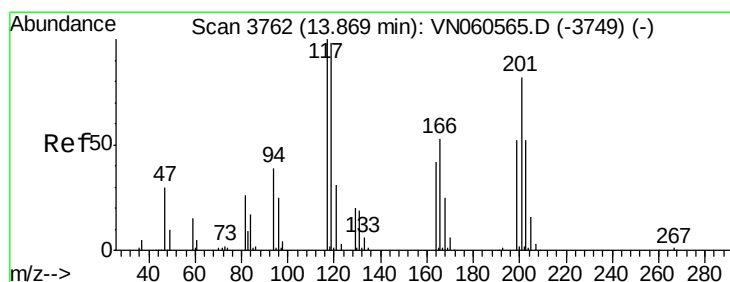
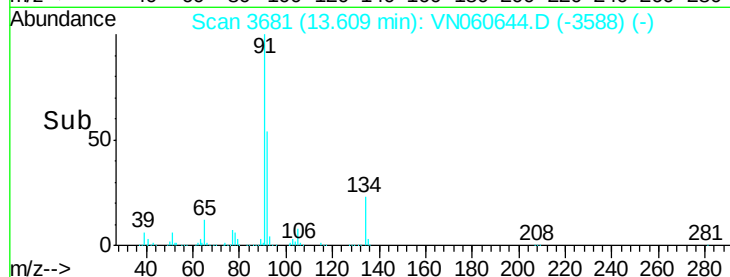
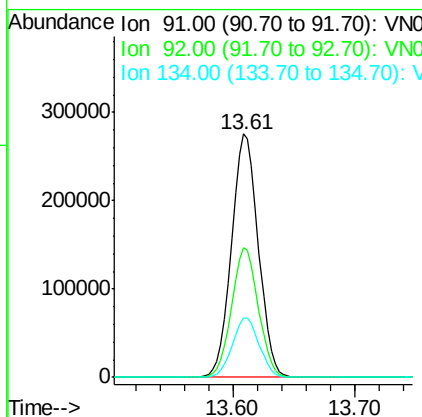
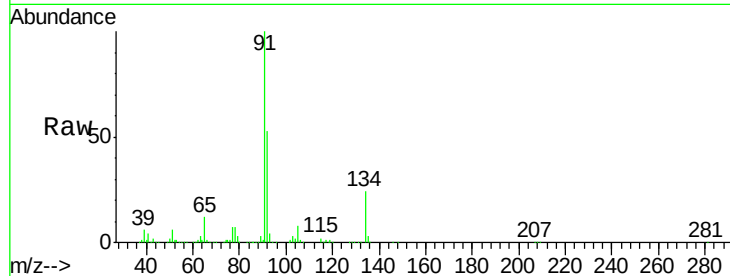
#89
n-Butylbenzene
Concen: 48.705 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.5
134	24.5	12.3	36.9

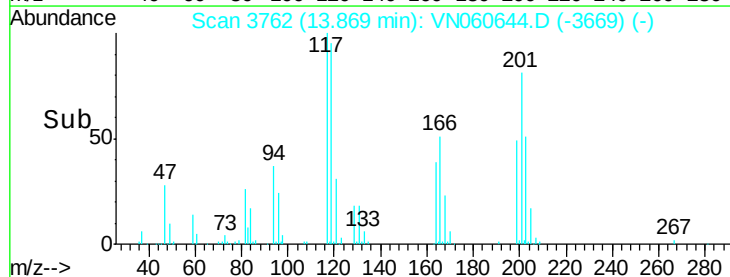
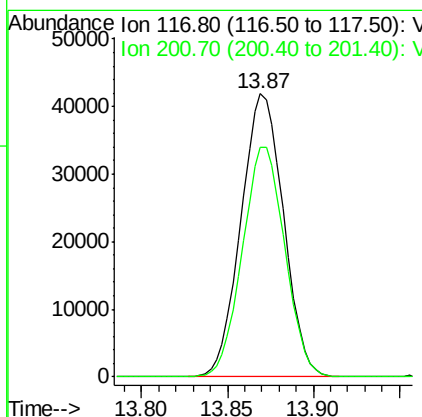
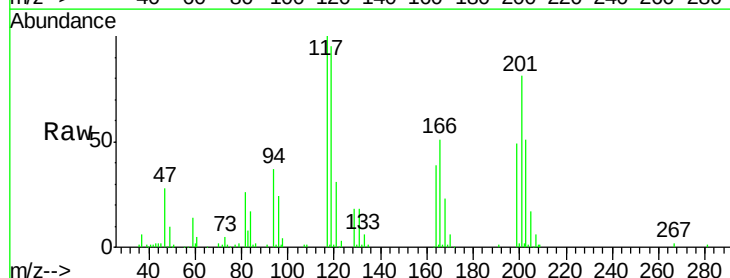
Manual Integrations
APPROVED

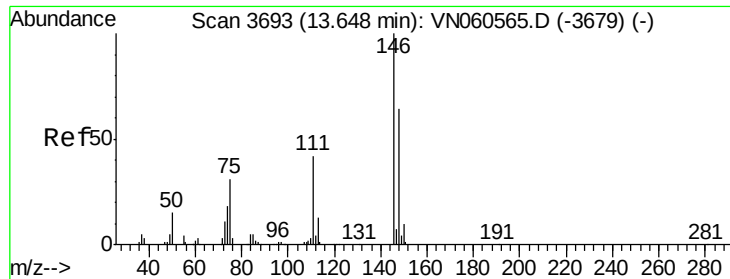
MMDadoda
3/20/2020 12:05:39 PM



#90
Hexachloroethane
Concen: 51.628 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.8	122.5





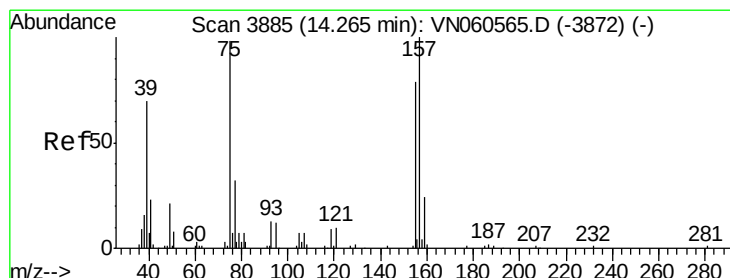
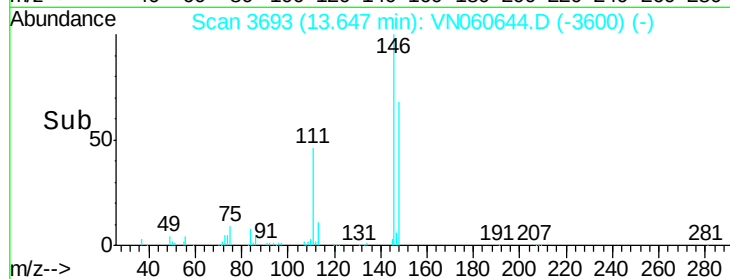
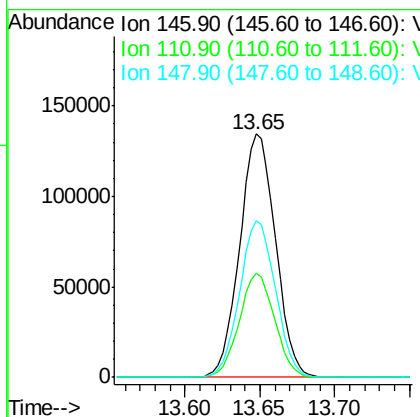
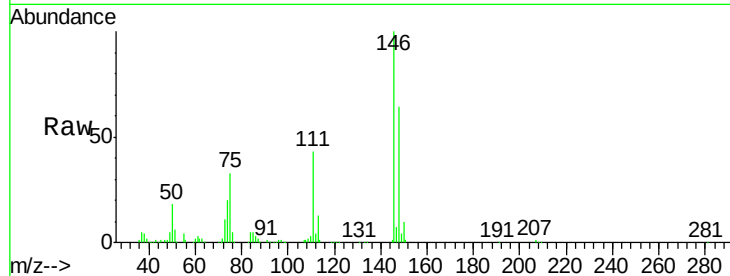
#91
 1,2-Dichlorobenzene
 Concen: 48.952 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	64.4	31.9	95.5

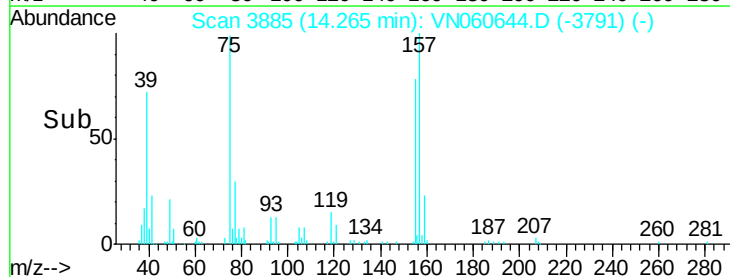
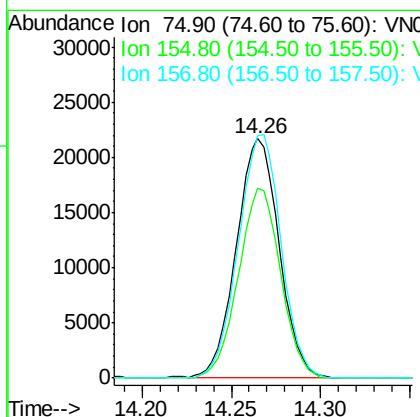
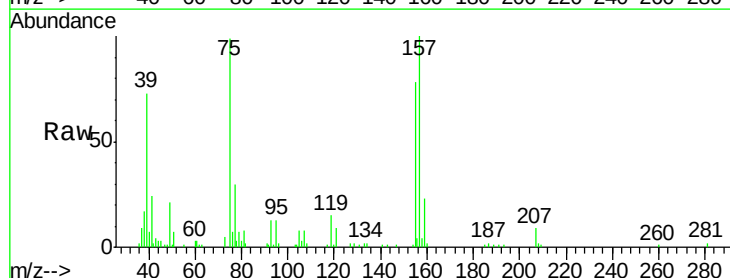
Manual Integrations
 APPROVED

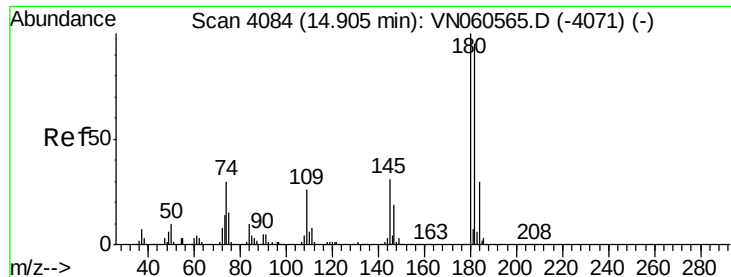
MMDadoda
 3/20/2020 12:05:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.803 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	40.7	122.1
157	101.7	51.5	154.7





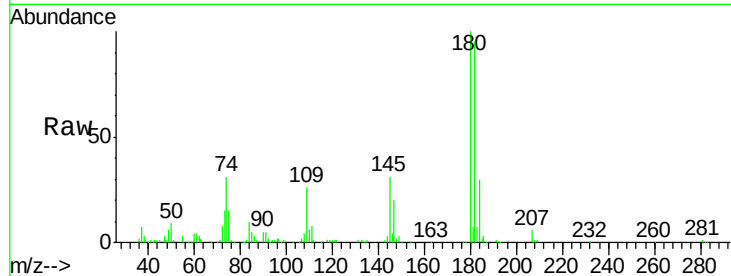
#93
 1,2,4-Trichlorobenzene
 Concen: 50.626 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

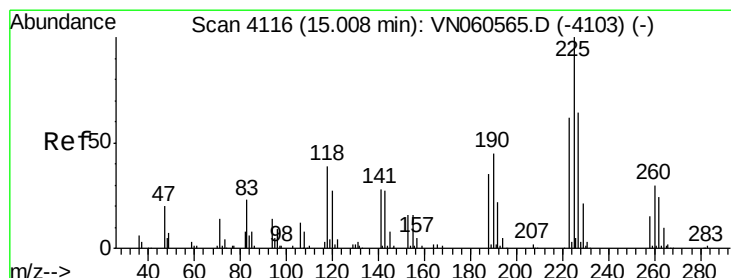
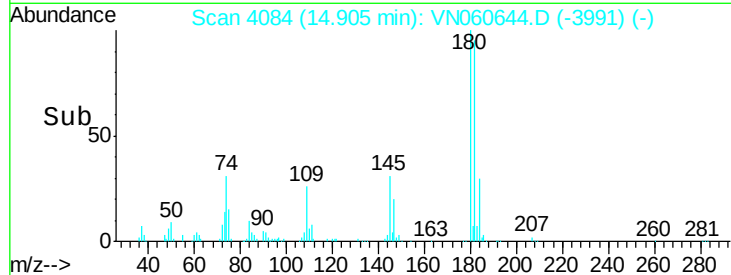
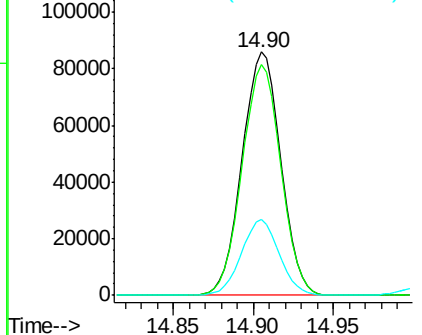
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	30.3	15.4	46.2

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:39 PM

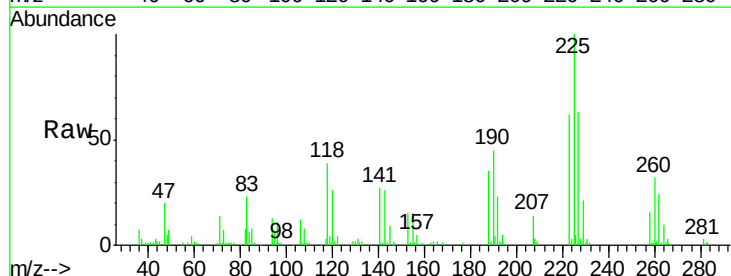


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

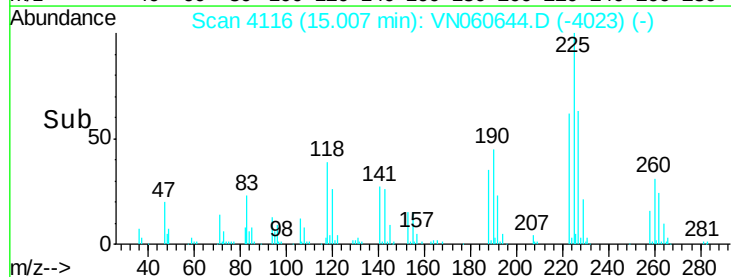
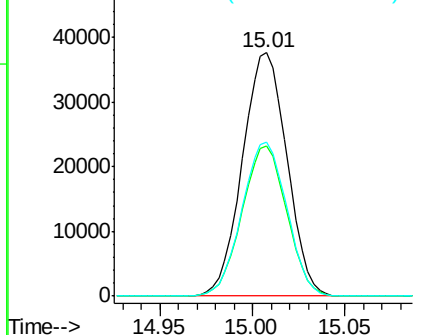


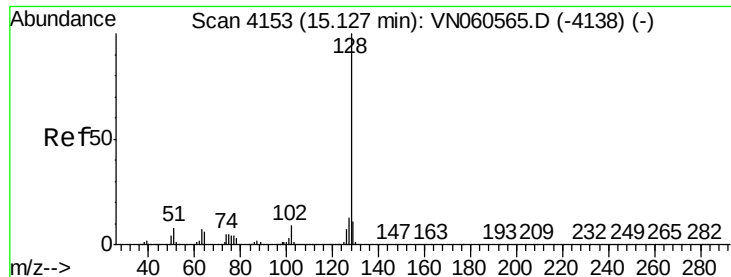
#94
 Hexachlorobutadiene
 Concen: 45.579 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060644.D
 Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	95.0
227	63.7	32.3	96.8



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





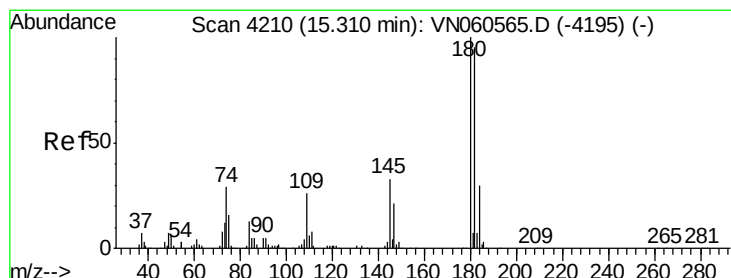
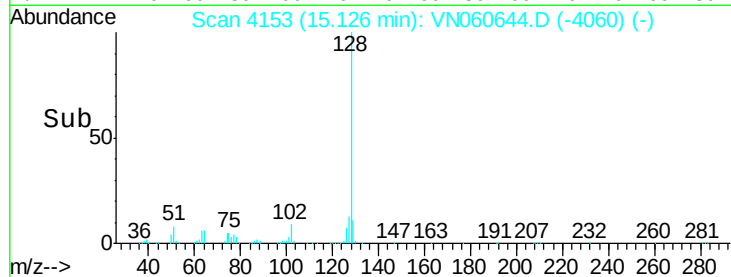
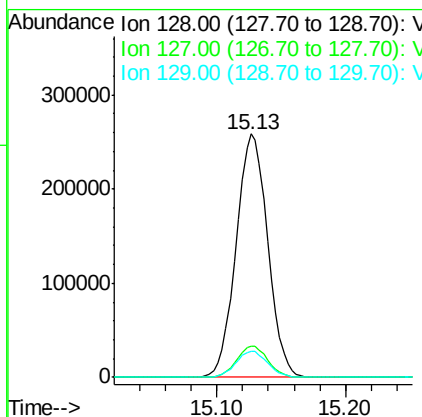
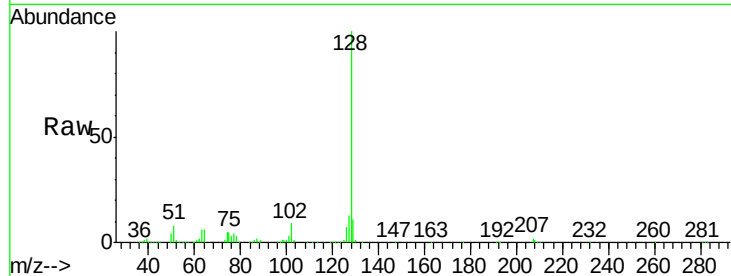
#95
Naphthalene
Concen: 52.092 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.544 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060644.D
Acq: 19 Mar 2020 18:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	32.7	16.3	48.8

