

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062334.D
 Acq On : 2 Jul 2020 9:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:03:27 PM

Quant Time: Jul 02 11:14:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	212144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	182880	61.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.86%	
35) Dibromofluoromethane	7.55	113	137951	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	10.06	98	559162	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.38	95	191631	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109818	45.797	ug/l	98
3) Chloromethane	2.03	50	152959	54.297	ug/l	100
4) Vinyl Chloride	2.16	62	178529	47.277	ug/l	99
5) Bromomethane	2.52	94	104522	42.827	ug/l	100
6) Chloroethane	2.66	64	123112	47.725	ug/l	97
7) Trichlorofluoromethane	2.98	101	202484	43.516	ug/l	99
8) Diethyl Ether	3.37	74	89445	55.050	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	120942	49.634	ug/l	97
10) Methyl Iodide	3.91	142	150620	54.886	ug/l	100
11) Tert butyl alcohol	4.73	59	114966	268.961	ug/l	100
12) 1,1-Dichloroethene	3.69	96	122460	50.272	ug/l	95
13) Acrolein	3.56	56	106187	253.736	ug/l	97
14) Allyl chloride	4.27	41	183928	55.459	ug/l	98
15) Acrylonitrile	4.93	53	357189	306.652	ug/l	99
16) Acetone	3.77	43	284777	305.650	ug/l	97
17) Carbon Disulfide	4.01	76	343363	49.213	ug/l	100
18) Methyl Acetate	4.28	43	154429	65.253	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	453441	58.254	ug/l	96
20) Methylene Chloride	4.50	84	155774	57.029	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	138663	49.969	ug/l	93
22) Diisopropyl ether	5.90	45	462357	61.229	ug/l	97
23) Vinyl Acetate	5.84	43	1905986	309.151	ug/l	97
24) 1,1-Dichloroethane	5.80	63	271413	55.816	ug/l	99
25) 2-Butanone	6.79	43	441693	303.535	ug/l	95
26) 2,2-Dichloropropane	6.78	77	134858	33.281	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	160611	51.435	ug/l	100
28) Bromochloromethane	7.15	49	117988	55.924	ug/l	88
29) Tetrahydrofuran	7.17	42	301175	315.961	ug/l	96
30) Chloroform	7.33	83	267719	54.114	ug/l	99
31) Cyclohexane	7.61	56	216399	52.612	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	214344	51.374	ug/l	97
36) 1,1-Dichloropropene	7.75	75	196788	48.202	ug/l	98
37) Ethyl Acetate	6.88	43	195621	57.867	ug/l	98
38) Carbon Tetrachloride	7.73	117	179299	46.584	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062334.D
 Acq On : 2 Jul 2020 9:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:03:27 PM

Quant Time: Jul 02 11:14:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	214656	47.988	ug/l	98
40) Benzene	8.00	78	619940	49.821	ug/l	99
41) Methacrylonitrile	7.12	41	77369	49.366	ug/l	93
42) 1,2-Dichloroethane	8.09	62	217856	51.819	ug/l	98
43) Isopropyl Acetate	8.13	43	313837	56.949	ug/l	98
44) Trichloroethene	8.80	130	138680	44.181	ug/l	92
45) 1,2-Dichloropropane	9.09	63	165584	53.939	ug/l	99
46) Dibromomethane	9.18	93	105474	50.675	ug/l	95
47) Bromodichloromethane	9.37	83	218160	51.911	ug/l	99
48) Methyl methacrylate	9.17	41	151168	61.179	ug/l	93
49) 1,4-Dioxane	9.17	88	51933	947.760	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	981464	304.826	ug/l	98
52) Toluene	10.12	92	386179	50.864	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	227112	49.120	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	244837	49.738	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	157616	52.812	ug/l	99
56) Ethyl methacrylate	10.40	69	232348	58.336	ug/l	96
57) 1,3-Dichloropropane	10.68	76	274348	53.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	445013	261.629	ug/l	95
59) 2-Hexanone	10.72	43	717023	308.400	ug/l	98
60) Dibromochloromethane	10.87	129	159289	50.412	ug/l	99
61) 1,2-Dibromoethane	10.98	107	155184	50.604	ug/l	100
64) Tetrachloroethene	10.60	164	111027	42.383	ug/l	96
65) Chlorobenzene	11.41	112	397899	47.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	143990	49.446	ug/l	100
67) Ethyl Benzene	11.48	91	729199	51.270	ug/l	98
68) m/p-Xylenes	11.60	106	555374	100.956	ug/l	97
69) o-Xylene	11.92	106	262859	50.643	ug/l	96
70) Styrene	11.94	104	457804	52.887	ug/l	97
71) Bromoform	12.10	173	103441	49.960	ug/l #	98
73) Isopropylbenzene	12.22	105	704187	50.220	ug/l	99
74) N-amyl acetate	12.04	43	285384	54.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	243538	52.192	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	232376m	54.493	ug/l	
77) Bromobenzene	12.50	156	162218	46.598	ug/l	90
78) n-propylbenzene	12.57	91	834381	52.021	ug/l	98
79) 2-Chlorotoluene	12.65	91	489295	50.461	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	595227	52.364	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	69471	47.577	ug/l	98
82) 4-Chlorotoluene	12.75	91	512748	51.136	ug/l	97
83) tert-Butylbenzene	12.97	119	483503	49.702	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	591405	52.094	ug/l	99
85) sec-Butylbenzene	13.15	105	677700	52.722	ug/l	98
86) p-Isopropyltoluene	13.26	119	591690	52.539	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	298677	48.859	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	298173	47.319	ug/l	99
89) n-Butylbenzene	13.59	91	492299	52.580	ug/l	99
90) Hexachloroethane	13.85	117	113978	51.584	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	293305	49.479	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42168	56.412	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
Data File : VN062334.D
Acq On : 2 Jul 2020 9:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

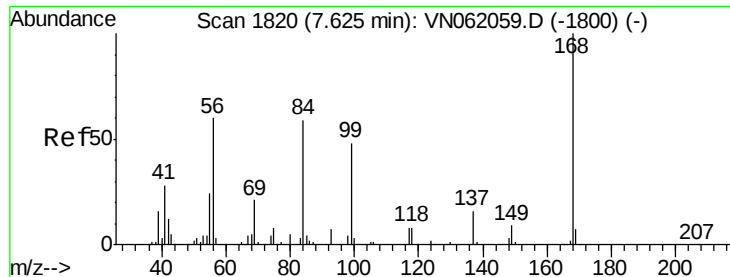
Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM

Quant Time: Jul 02 11:14:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	127736	49.327	ug/l	98
94) Hexachlorobutadiene	14.98	225	51418	45.716	ug/l	99
95) Naphthalene	15.10	128	388495	45.394	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	131002	49.474	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:168 Resp: 212144

Ion Ratio Lower Upper

168 100

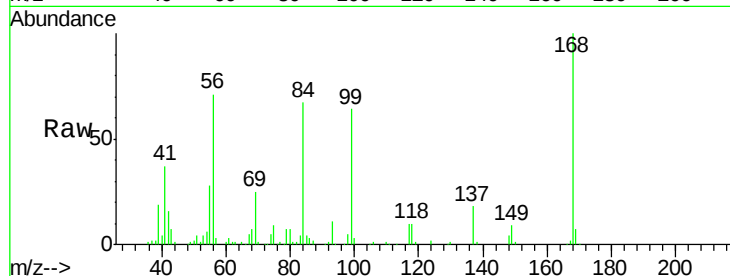
99 63.7 45.8 68.8

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:03:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

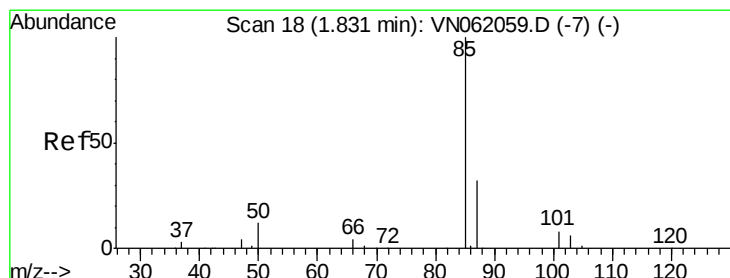
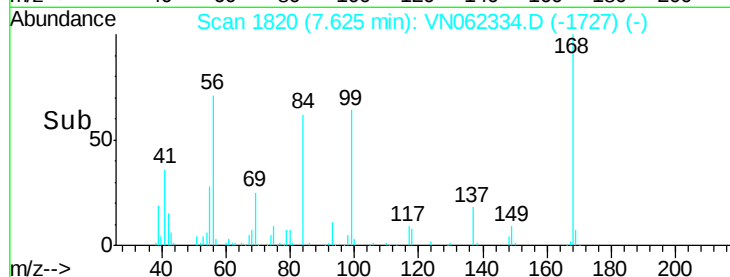
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 45.797 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062334.D

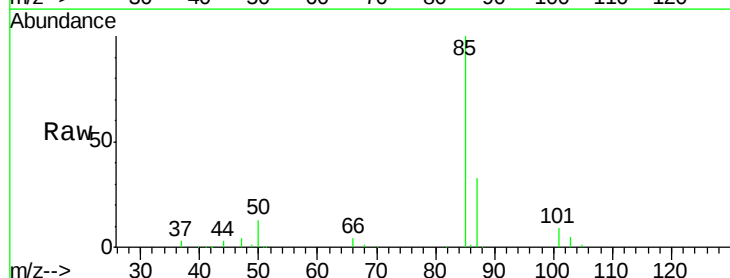
Acq: 2 Jul 2020 9:58

Tgt Ion: 85 Resp: 109818

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

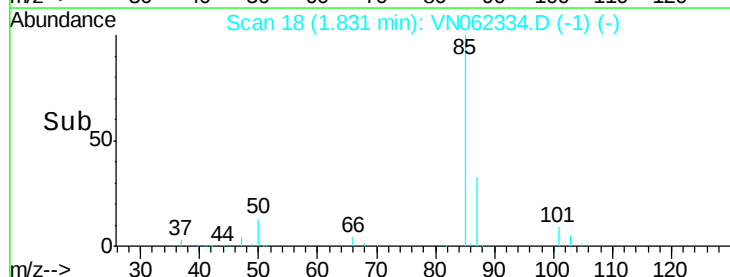
60000

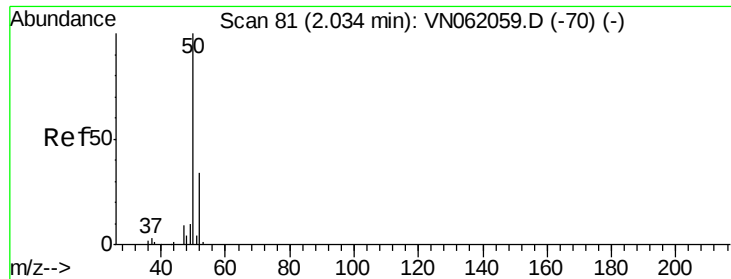
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 54.297 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 152959

Ion Ratio Lower Upper

50 100

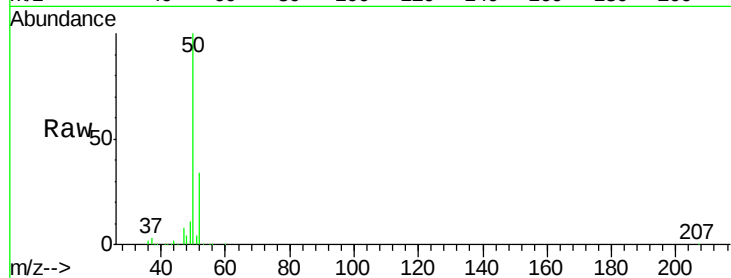
52 33.7 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:03:27 PM



Abundance Ion 49.90 (49.60 to 50.60): VN062334.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062334.D (-1) (-)

2.03

120000

100000

80000

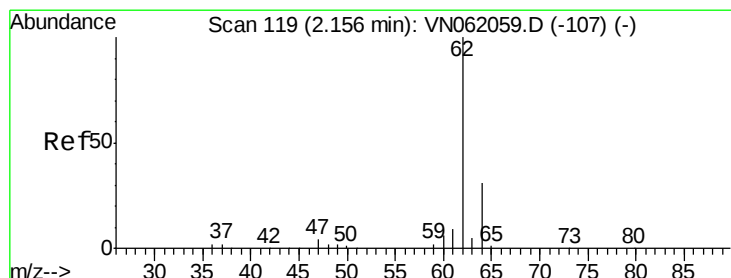
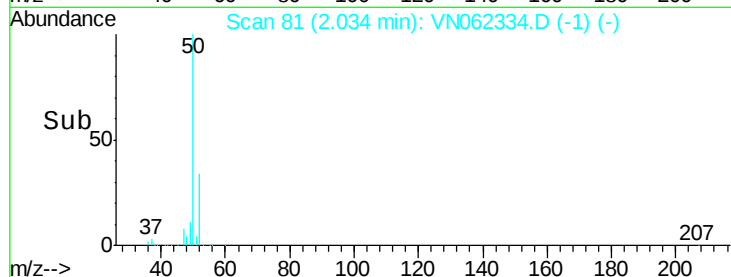
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.277 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062334.D

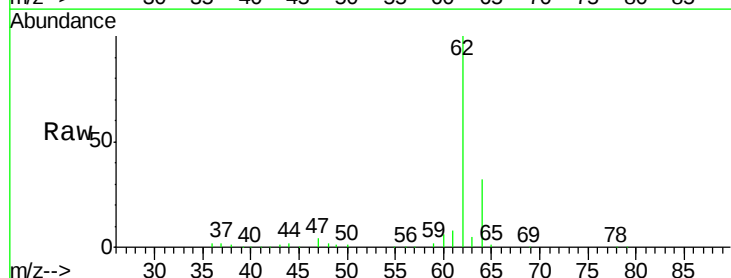
Acq: 2 Jul 2020 9:58

Tgt Ion: 62 Resp: 178529

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN062334.D (-26) (-)

Ion 63.90 (63.60 to 64.60): VN062334.D (-26) (-)

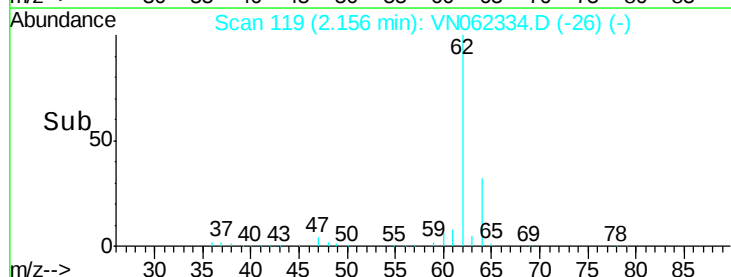
2.16

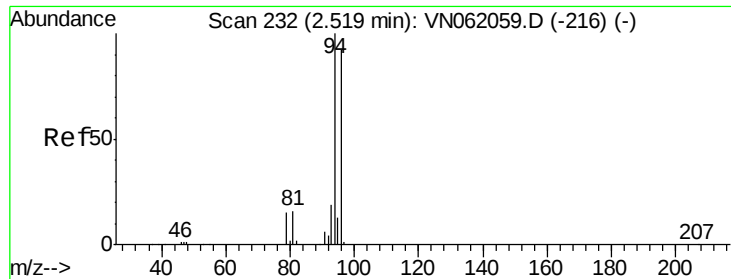
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.827 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 104522

Ion Ratio Lower Upper

94 100

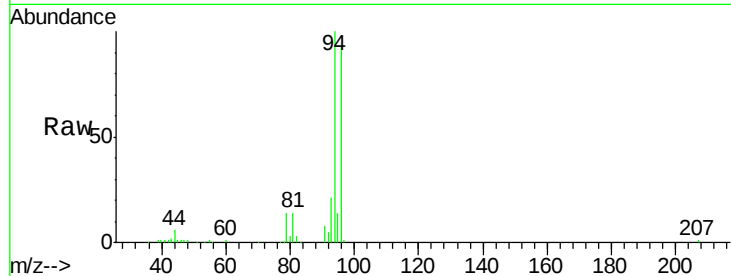
96 92.2 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:03:27 PM

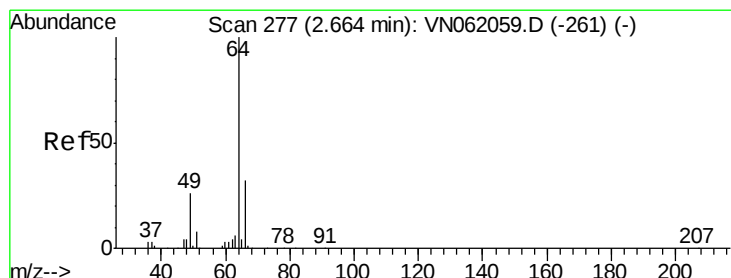
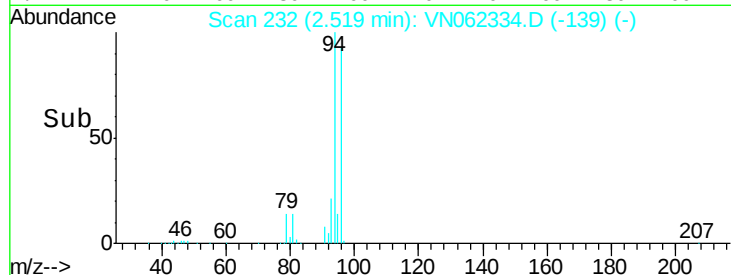


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

Time-->



#6

Chloroethane

Concen: 47.725 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062334.D

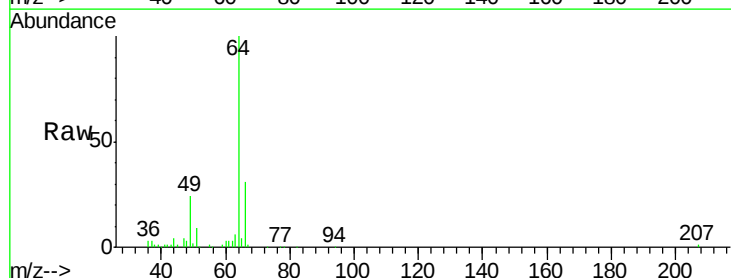
Acq: 2 Jul 2020 9:58

Tgt Ion: 64 Resp: 123112

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.6

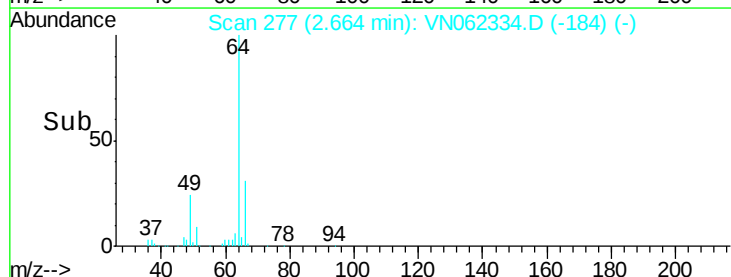


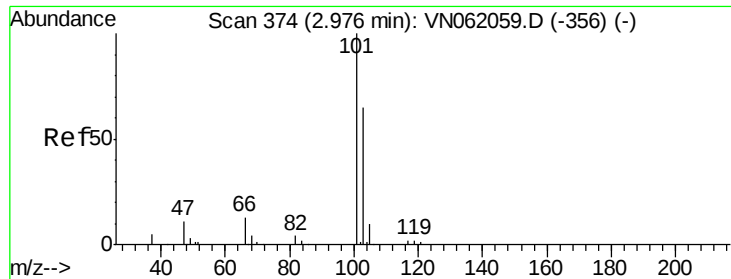
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

Time-->





#7

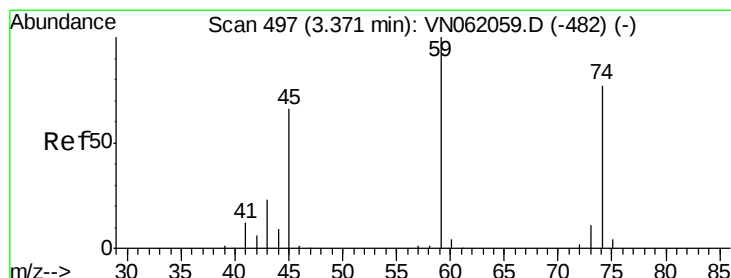
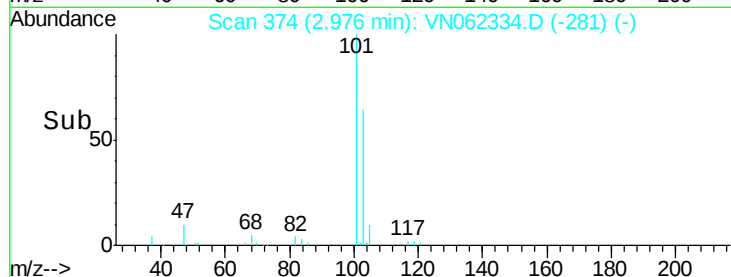
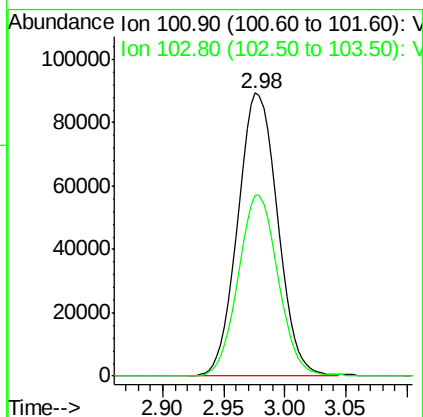
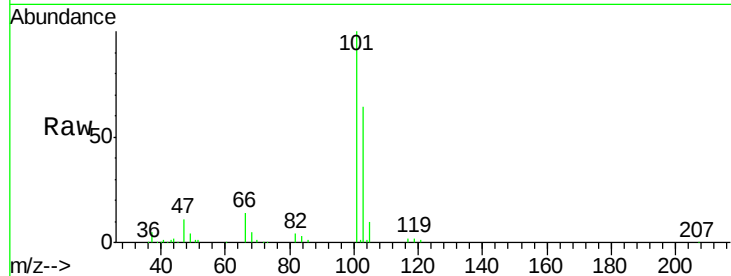
Trichlorofluoromethane
Concen: 43.516 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.8	77.6

Manual Integrations
APPROVED

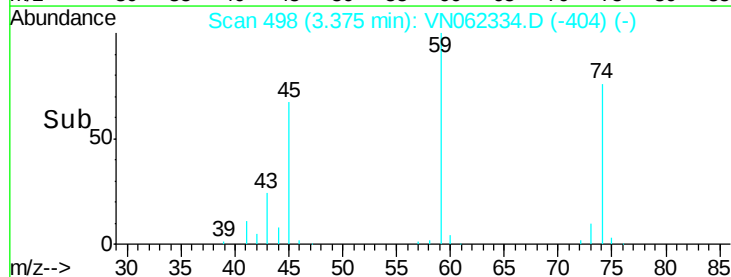
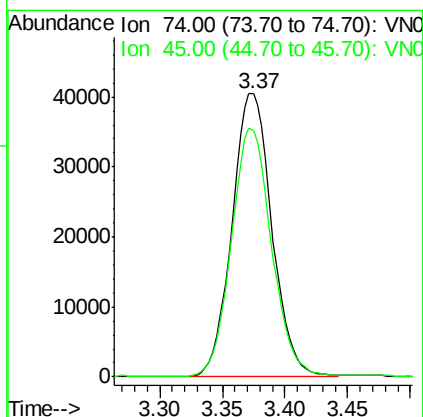
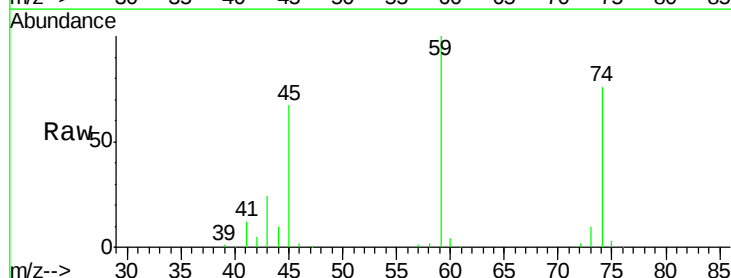
MMDadoda
7/2/2020 5:03:27 PM

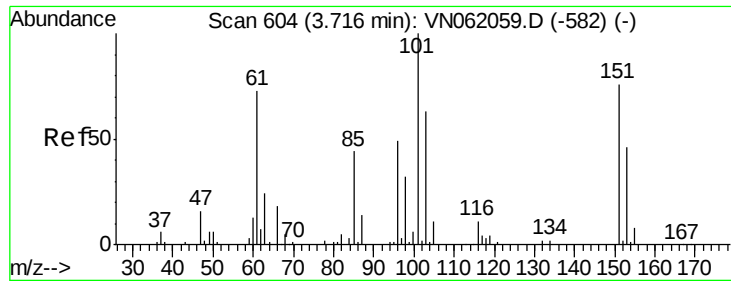


#8

Diethyl Ether
Concen: 55.050 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.7	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.634 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

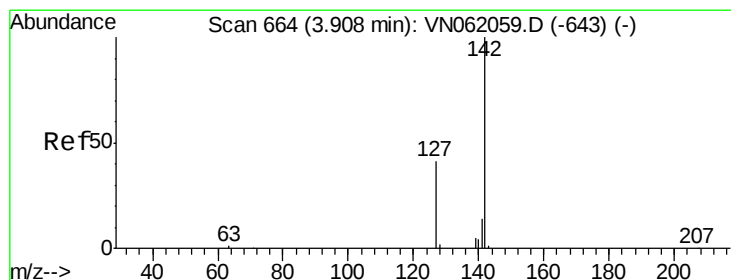
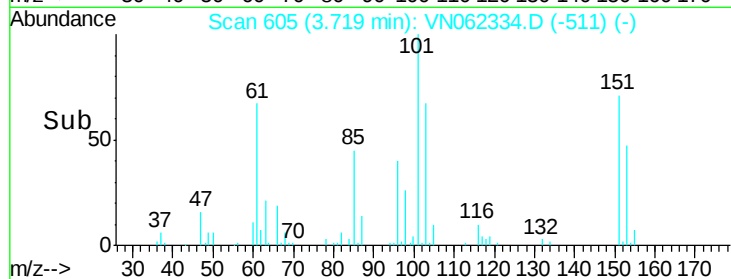
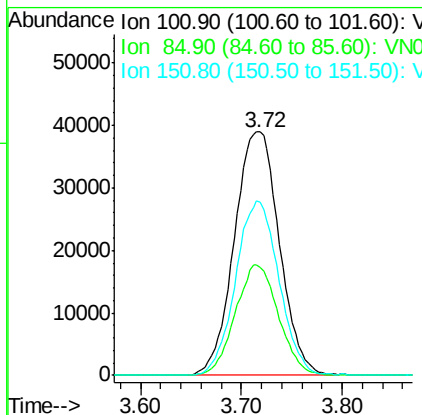
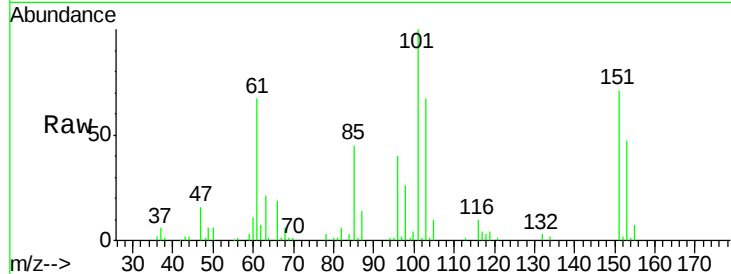
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	120942
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.5	51.7
151	68.7	57.8	86.8

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#10

Methyl Iodide

Concen: 54.886 ug/l

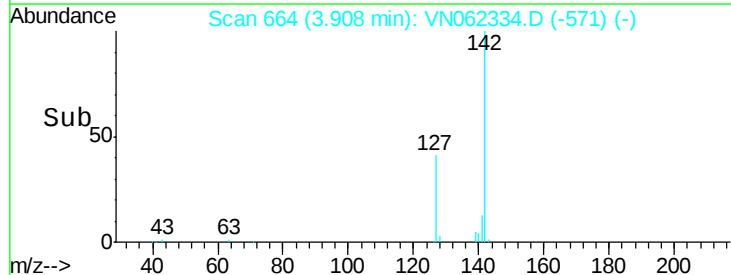
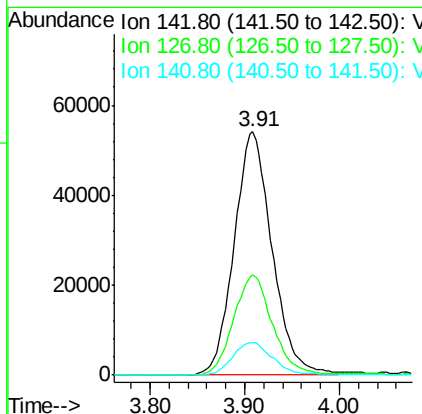
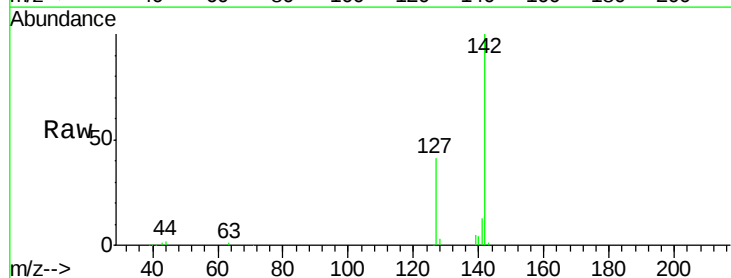
RT: 3.91 min Scan# 664

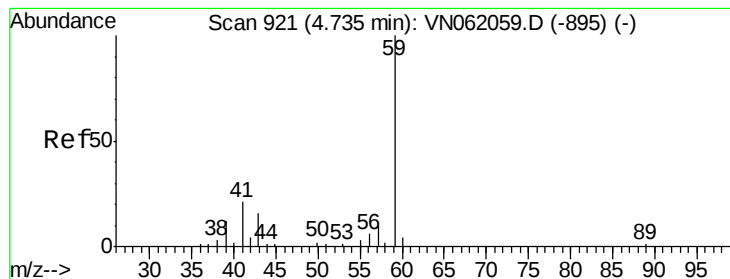
Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:	142	Resp:	150620
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.6	50.4
141	14.1	11.3	16.9





#11

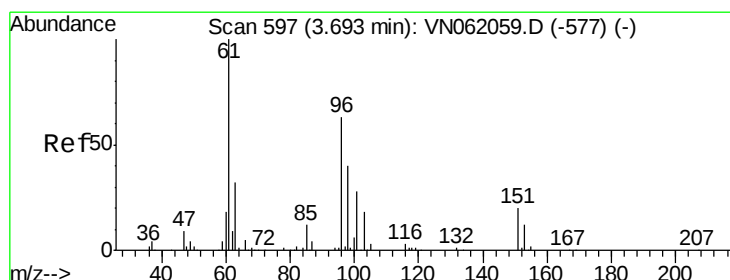
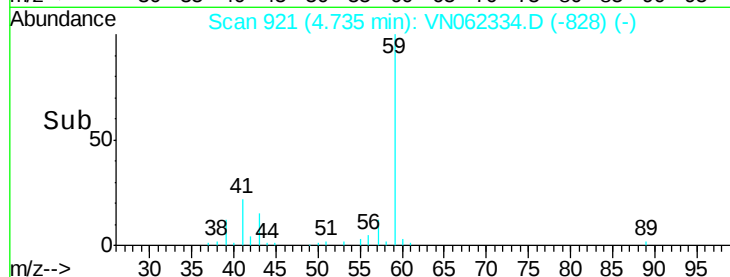
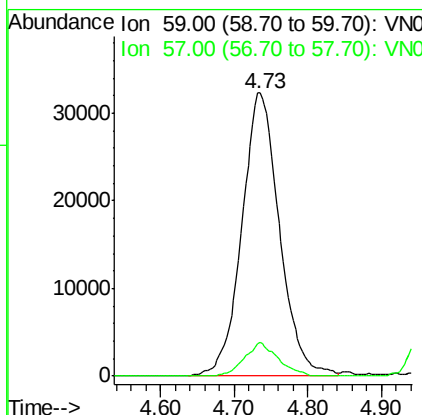
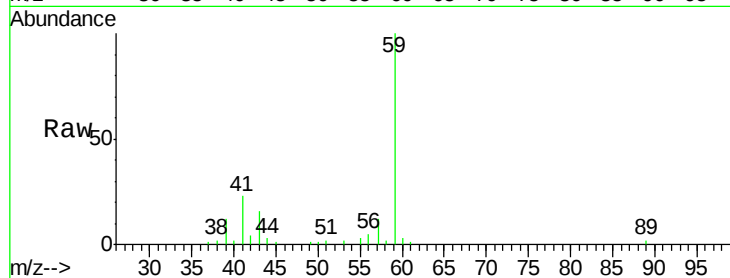
Tert butyl alcohol
 Concen: 268.961 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.6	Resp	Lower	Upper
59	100							
57		10.6				8.3	12.5	

Manual Integrations
 APPROVED

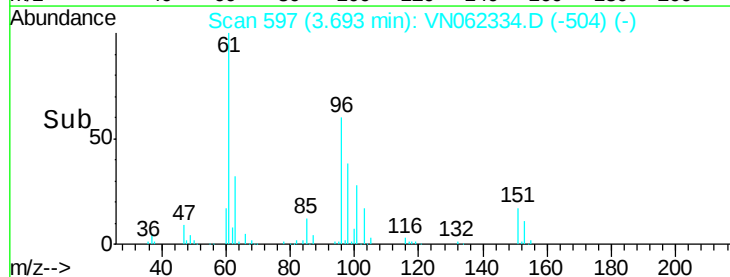
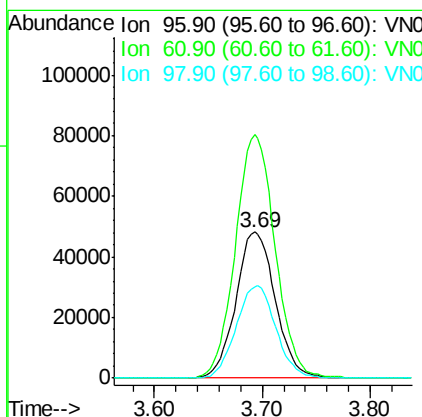
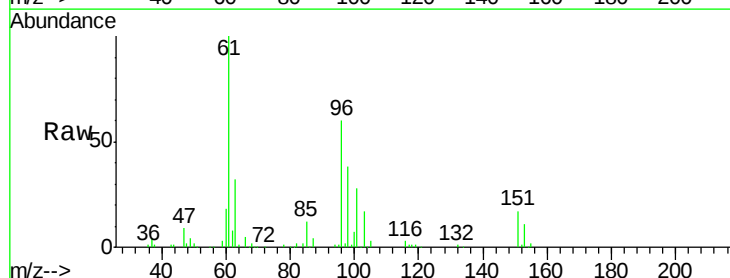
MMDadoda
 7/2/2020 5:03:27 PM

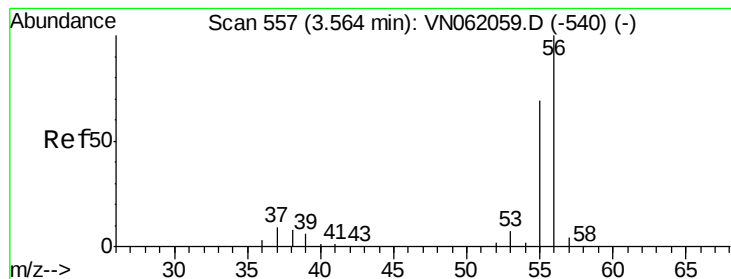


#12

1,1-Dichloroethene
 Concen: 50.272 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion	96	61	98	Ratio	100	167.0	62.7	Resp	Lower	Upper
96	100									
61		167.0				126.7	190.1			
98		62.7				51.0	76.4			





#13

Acrolein

Concen: 253.736 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 106187

Ion Ratio Lower Upper

56 100

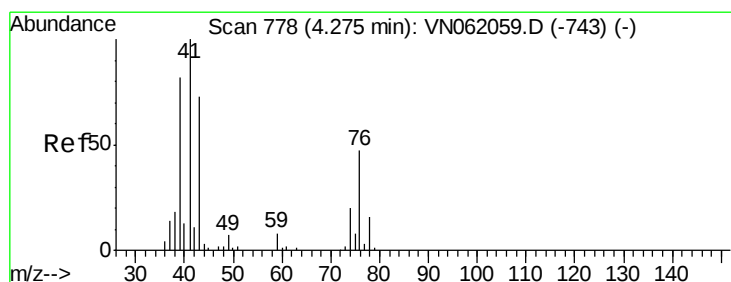
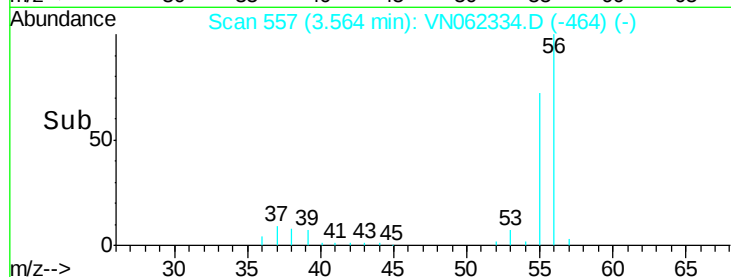
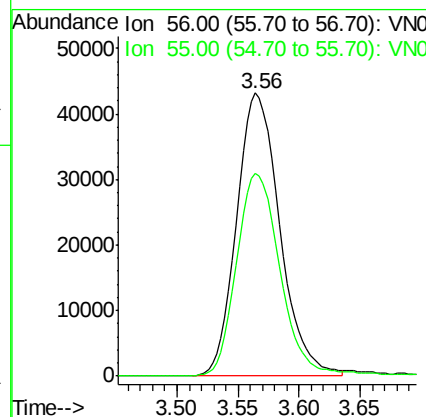
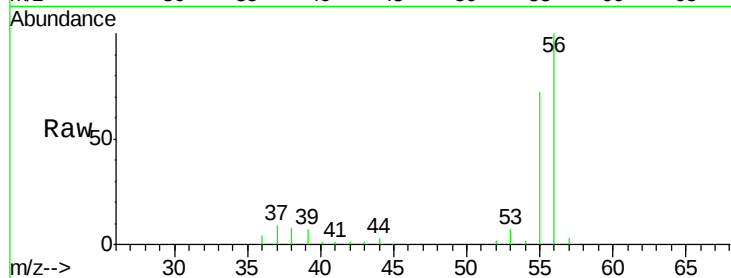
55 71.6 55.5 83.3

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:03:27 PM



#14

Allyl chloride

Concen: 55.459 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

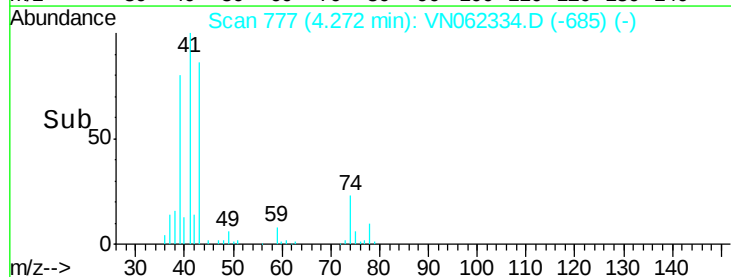
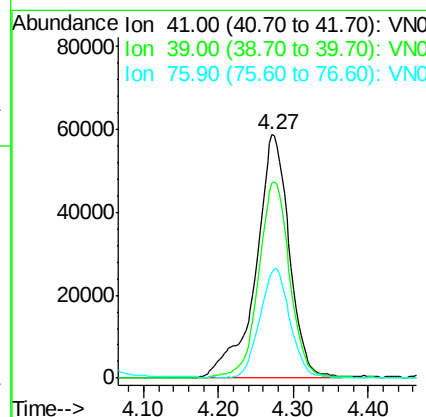
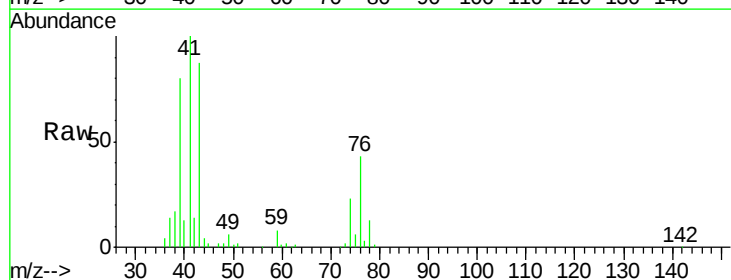
Tgt Ion: 41 Resp: 183928

Ion Ratio Lower Upper

41 100

39 74.6 60.0 90.0

76 40.5 34.1 51.1





#15

Acrylonitrile

Concen: 306.652 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

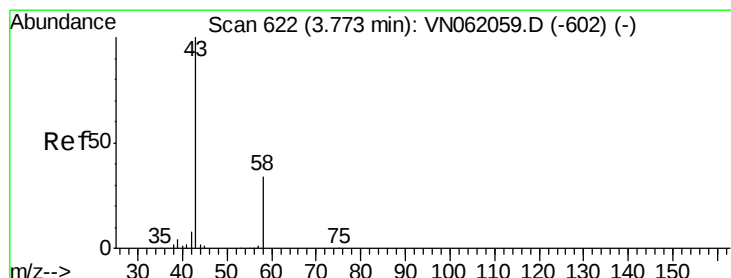
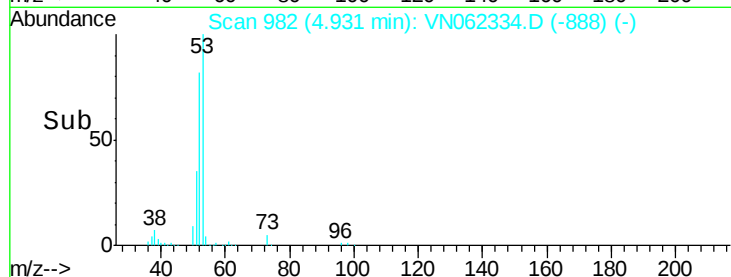
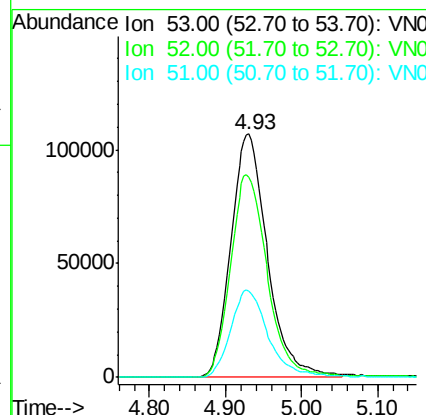
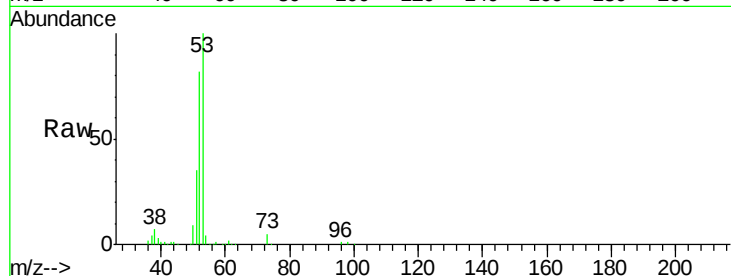
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	357189
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.4
51	37.0	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#16

Acetone

Concen: 305.650 ug/l

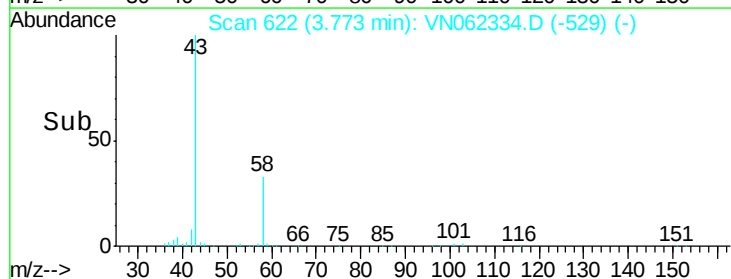
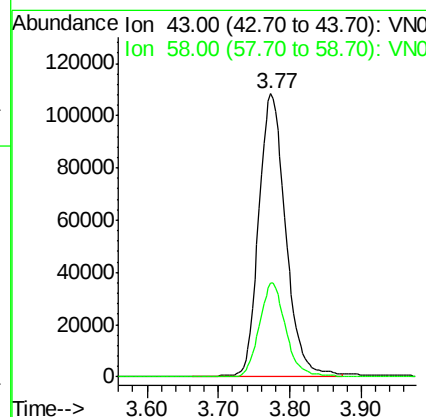
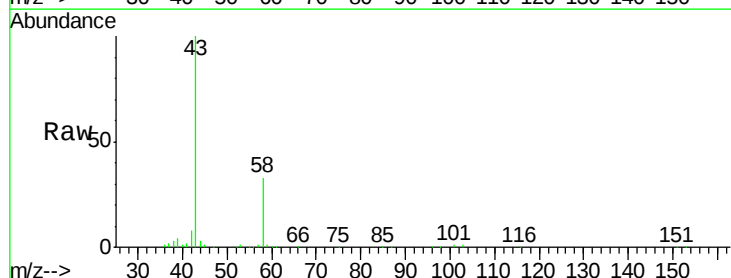
RT: 3.77 min Scan# 622

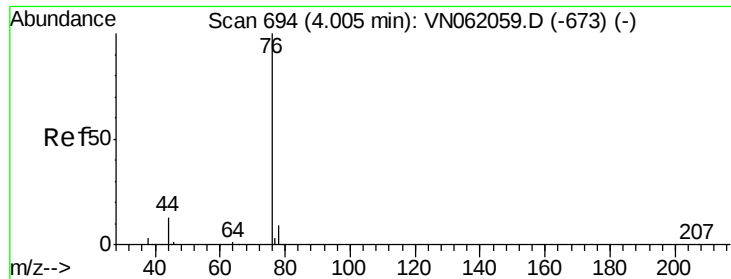
Delta R.T. 0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:	43	Resp:	284777
Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.5	41.3





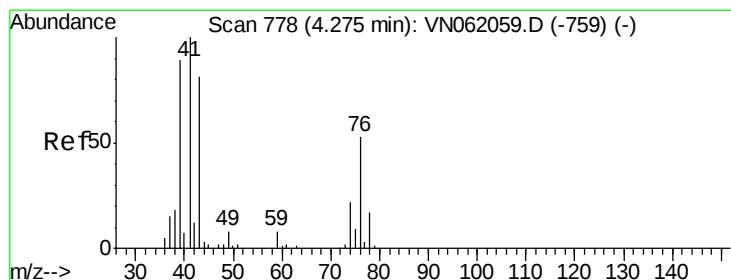
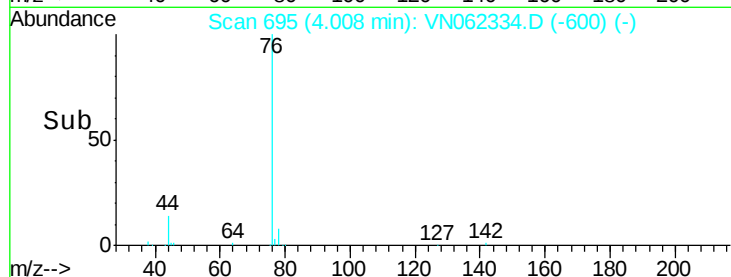
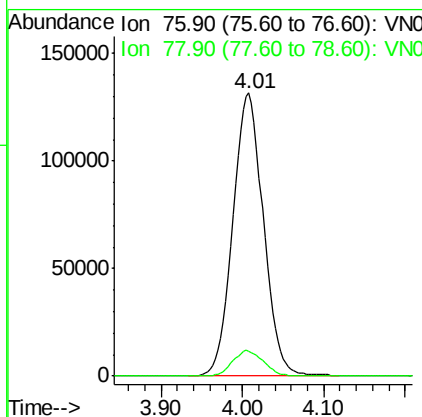
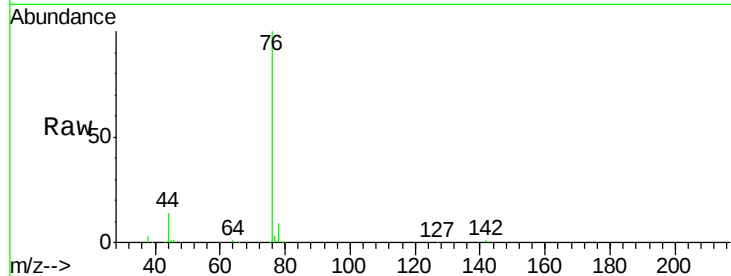
#17
Carbon Disulfide
Concen: 49.213 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

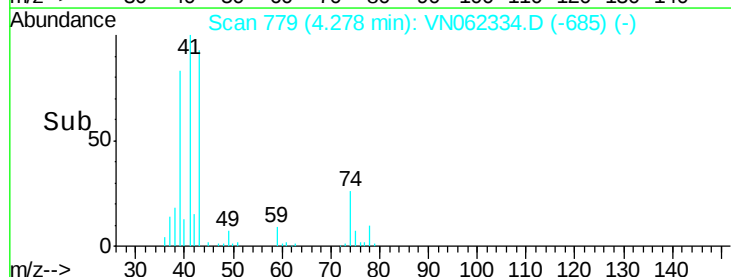
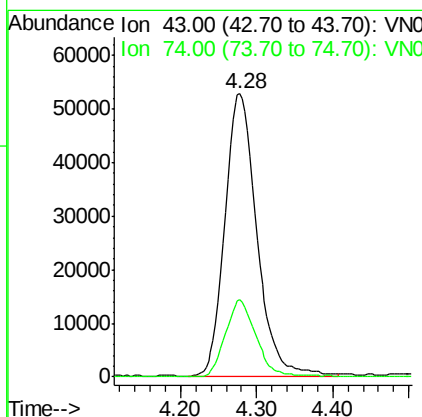
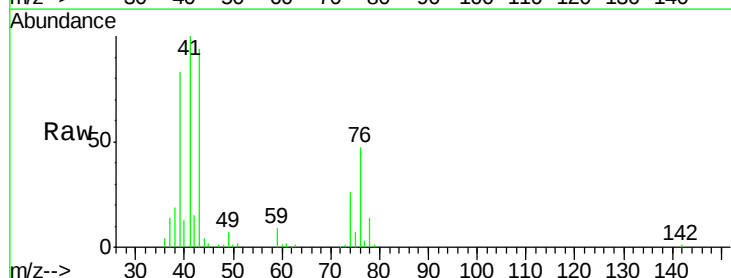
Manual Integrations
APPROVED

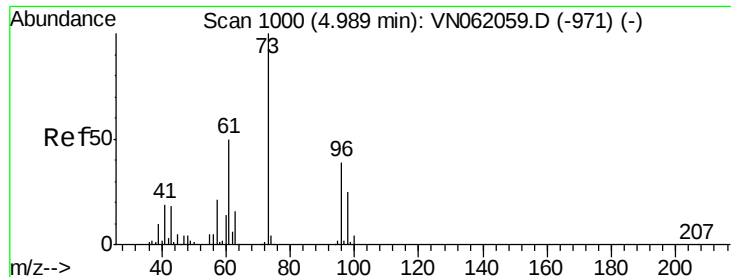
MMDadoda
7/2/2020 5:03:27 PM



#18
Methyl Acetate
Concen: 65.253 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	22.9	34.3





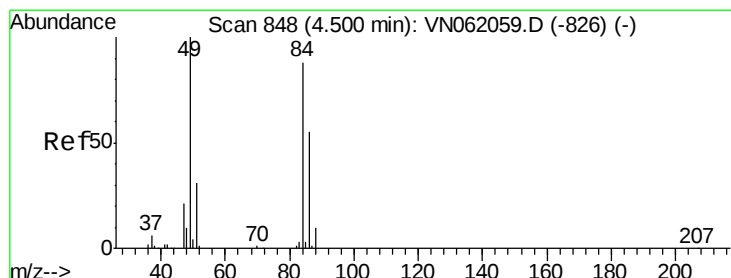
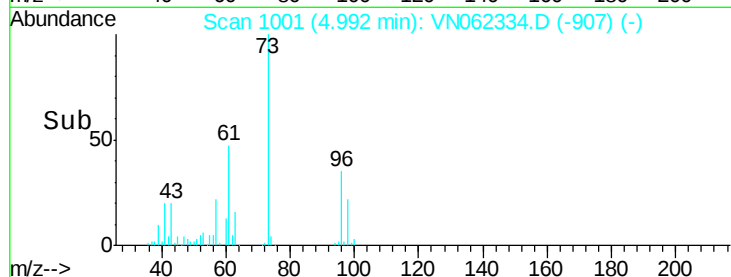
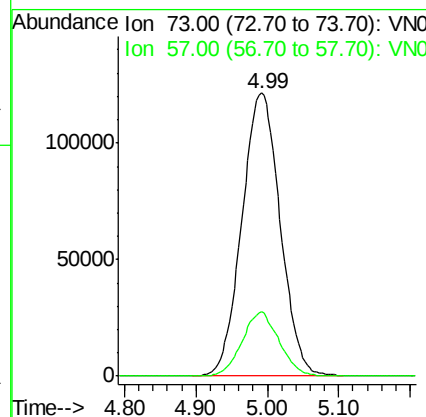
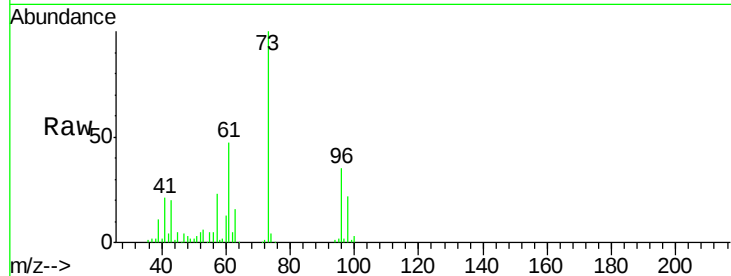
#19
Methvl tert-butvl Ether
Concen: 58.254 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 453441
Ion Ratio Lower Upper
73 100
57 22.8 16.6 24.8

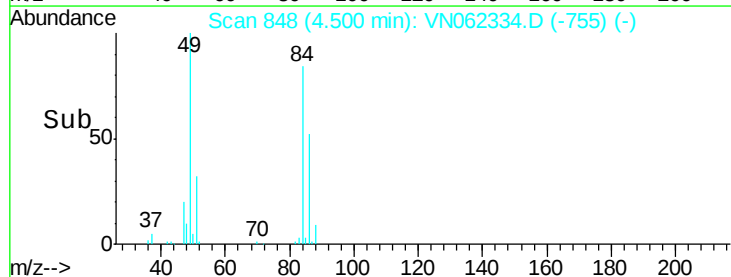
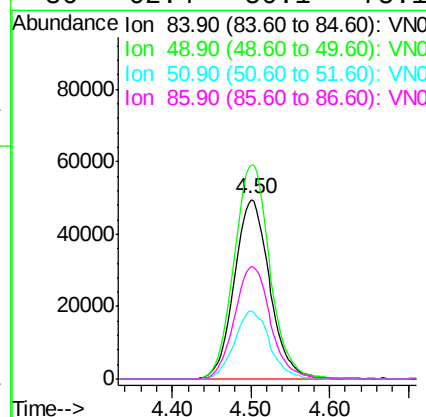
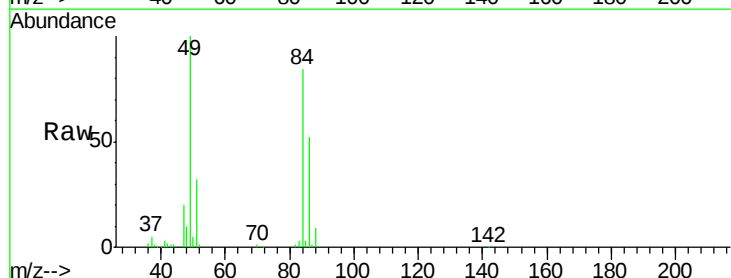
Manual Integrations
APPROVED

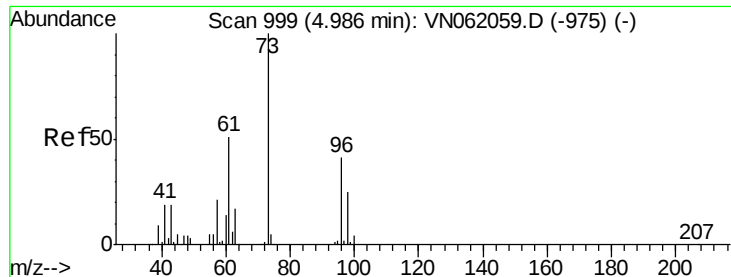
MMDadoda
7/2/2020 5:03:27 PM



#20
Methylene Chloride
Concen: 57.029 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion: 84 Resp: 155774
Ion Ratio Lower Upper
84 100
49 118.9 90.6 136.0
51 38.0 27.8 41.8
86 62.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 49.969 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

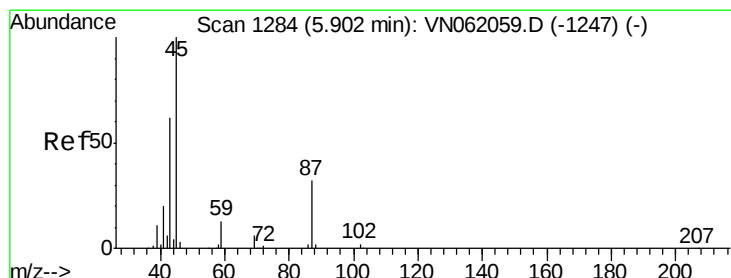
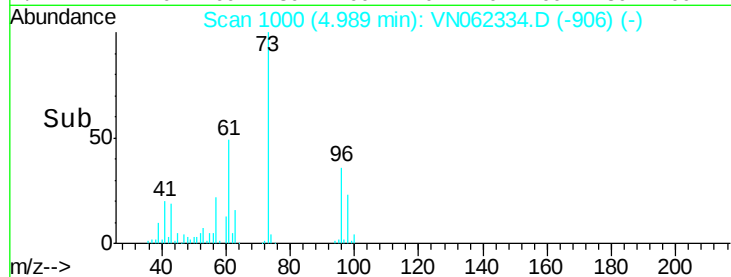
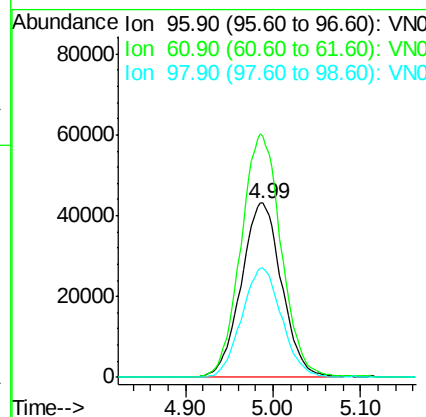
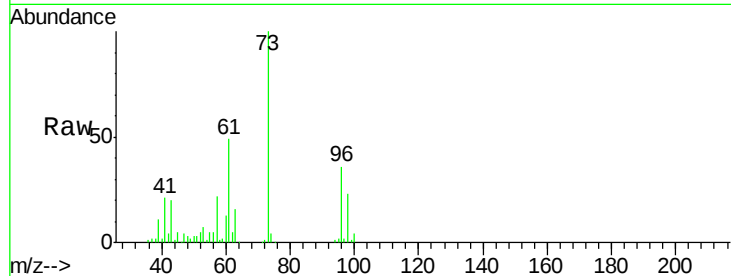
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	138663
Ion	Ratio	Lower	Upper
96	100		
61	138.1	101.4	152.2
98	63.0	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#22

Diisopropyl ether

Concen: 61.229 ug/l

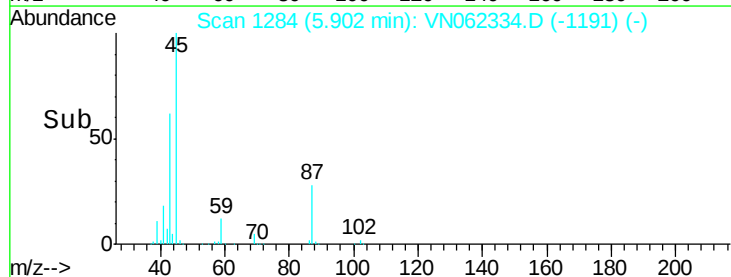
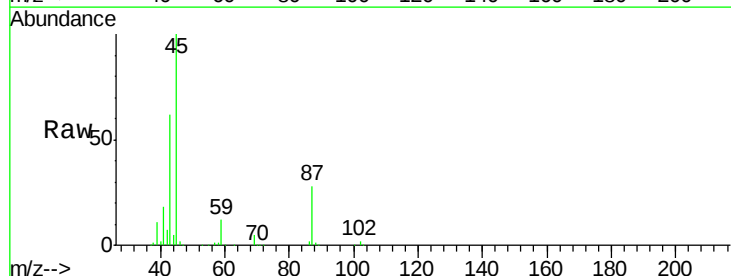
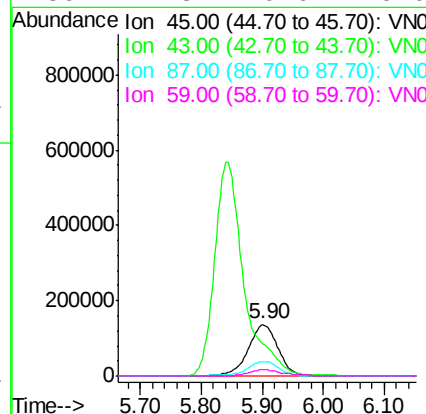
RT: 5.90 min Scan# 1284

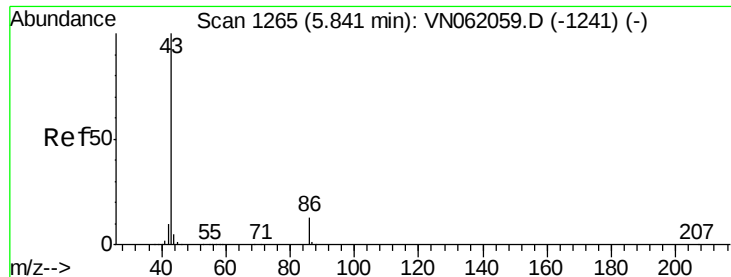
Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:	45	Resp:	462357
Ion	Ratio	Lower	Upper
45	100		
43	60.8	49.7	74.5
87	28.3	25.9	38.9
59	12.3	10.6	16.0





#23

Vinyl Acetate

Concen: 309.151 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1905986

Ion Ratio Lower Upper

43 100

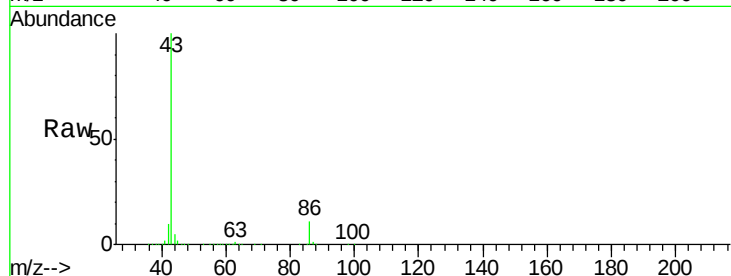
86 11.4 10.1 15.1

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:03:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VN062334.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062334.D (-1172) (-)

5.84

600000

500000

400000

300000

200000

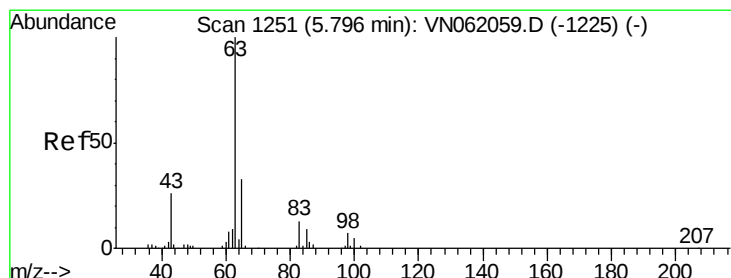
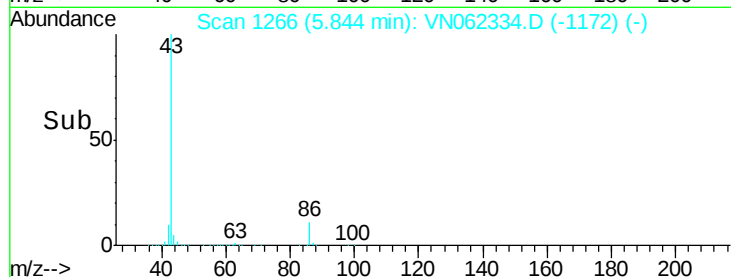
100000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 55.816 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

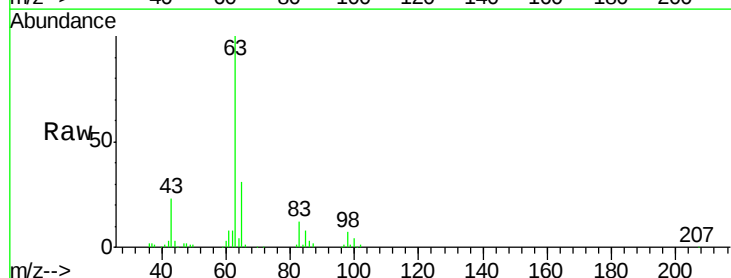
Tgt Ion: 63 Resp: 271413

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062334.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062334.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062334.D (-1158) (-)

5.80

100000

80000

60000

40000

20000

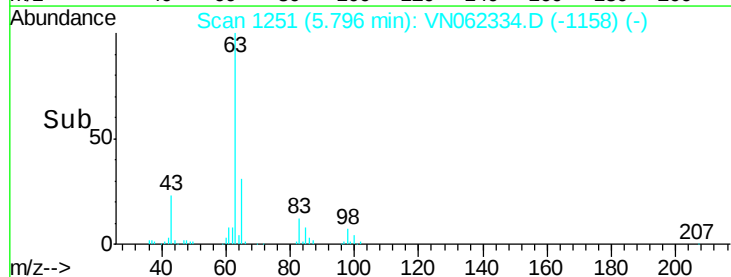
0

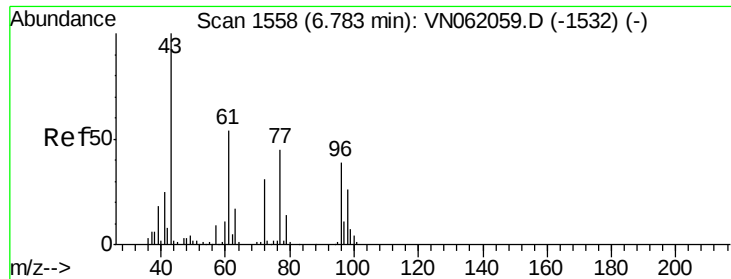
5.70

5.80

5.90

Time-->





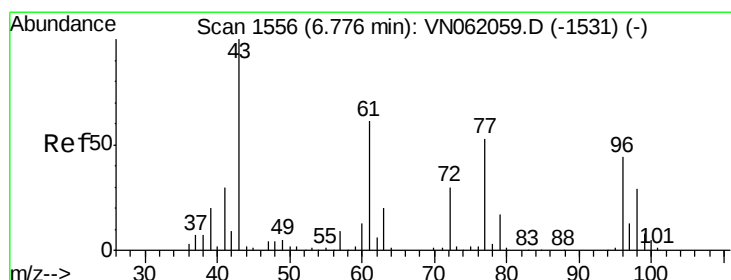
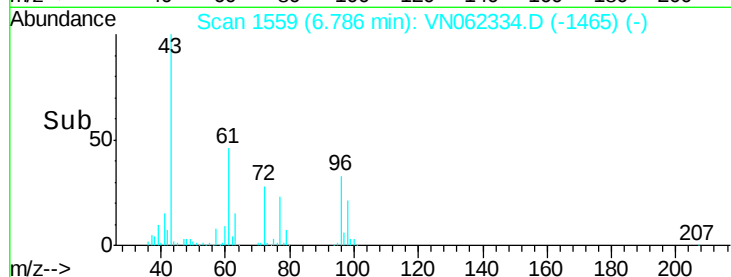
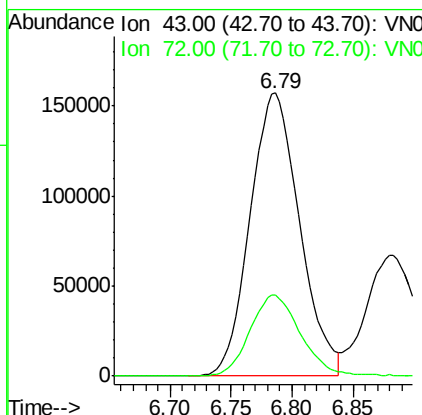
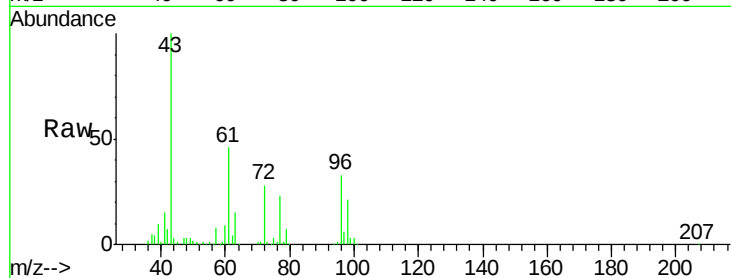
#25
2-Butanone
Concen: 303.535 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 441693
Ion Ratio Lower Upper
43 100
72 28.5 24.8 37.2

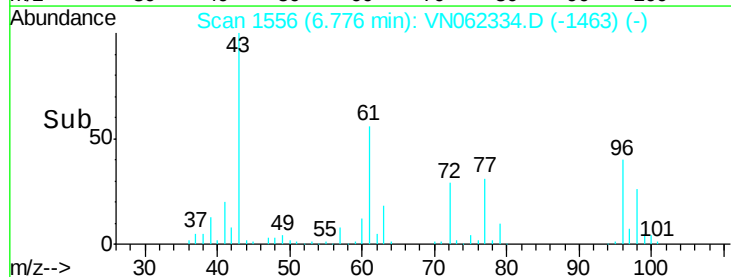
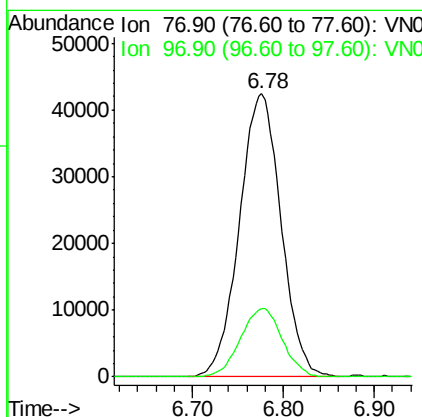
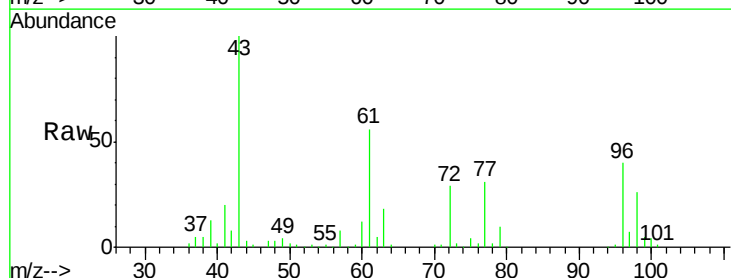
Manual Integrations
APPROVED

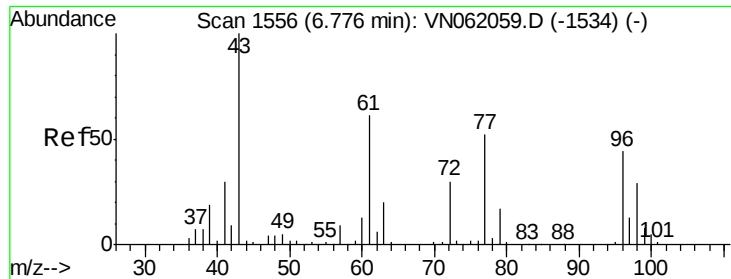
MMDadoda
7/2/2020 5:03:27 PM



#26
2,2-Dichloropropane
Concen: 33.281 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion: 77 Resp: 134858
Ion Ratio Lower Upper
77 100
97 24.2 11.8 35.3





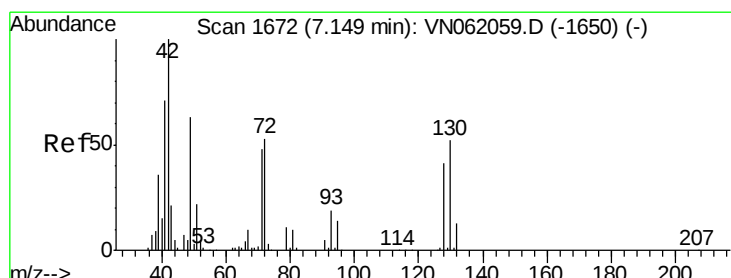
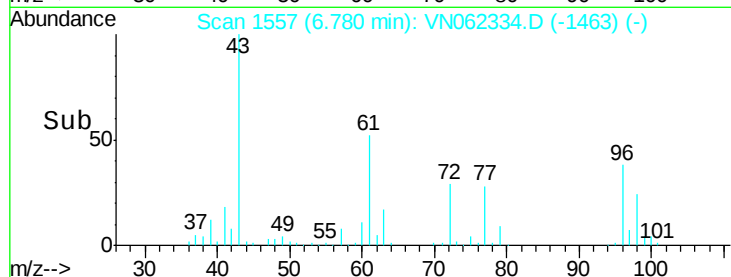
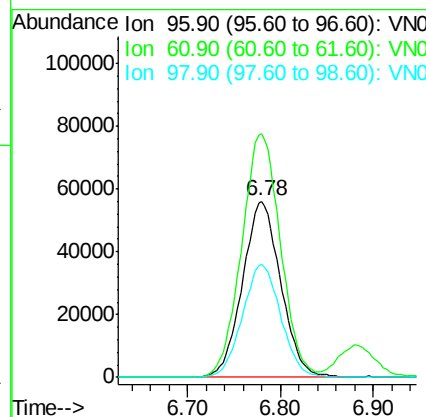
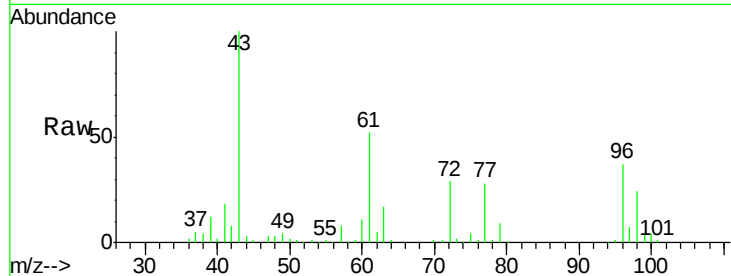
#27
 cis-1,2-Dichloroethene
 Concen: 51.435 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160611		
61	140.3	0.0	280.4	
98	64.2	0.0	129.4	

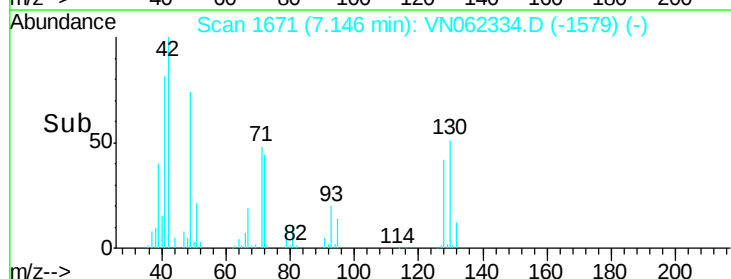
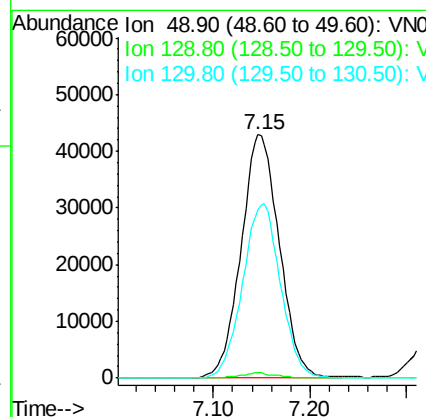
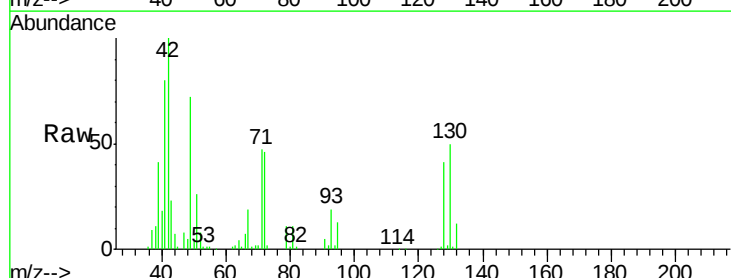
Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:03:27 PM



#28
 Bromochloromethane
 Concen: 55.924 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117988		
129	1.9	0.0	4.4	
130	70.8	65.5	98.3	





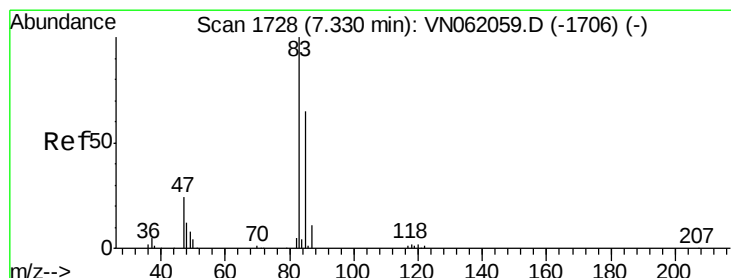
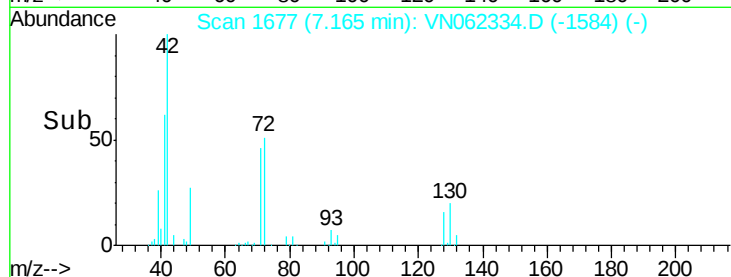
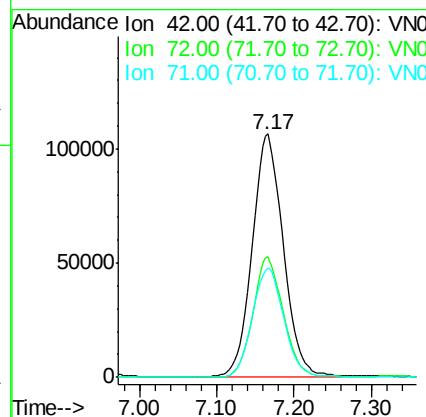
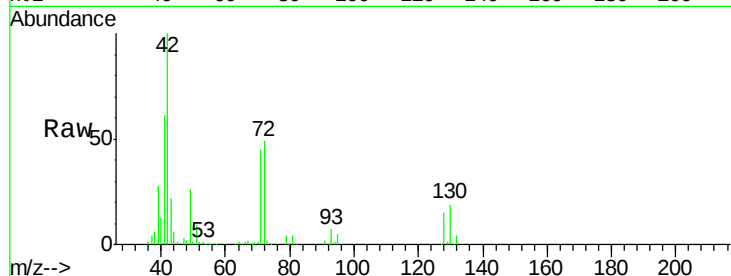
#29
Tetrahydrofuran
Concen: 315.961 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	41.1	61.7
71	45.2	38.2	57.4

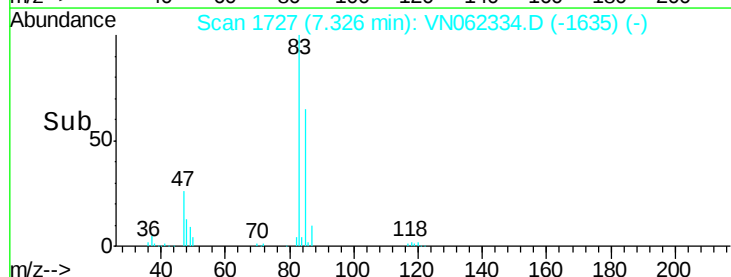
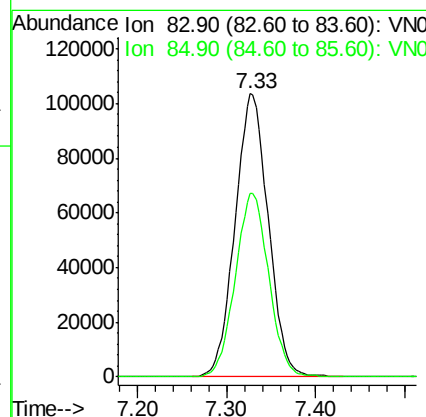
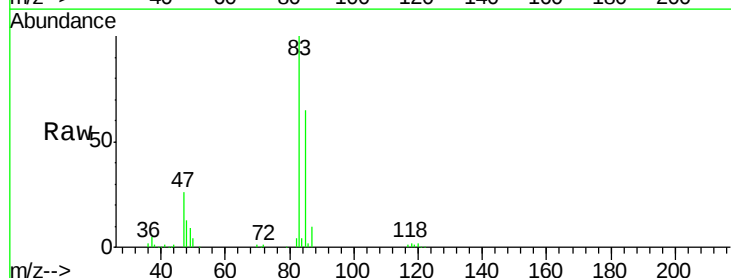
Manual Integrations
APPROVED

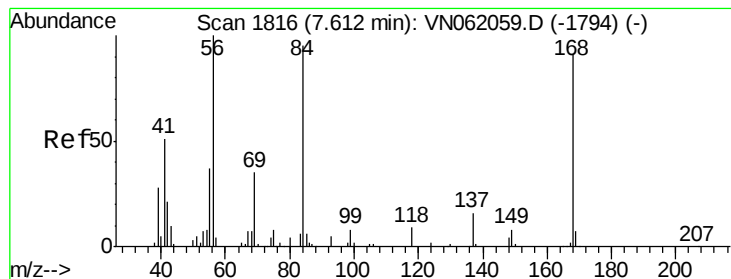
MMDadoda
7/2/2020 5:03:27 PM



#30
Chloroform
Concen: 54.114 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





#31

Cyclohexane

Concen: 52.612 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 216399

Ion Ratio Lower Upper

56 100

69 34.3 28.0 42.0

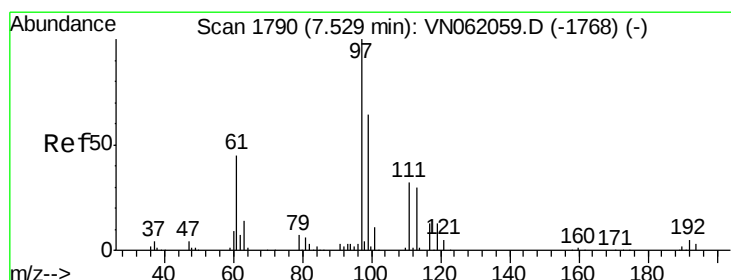
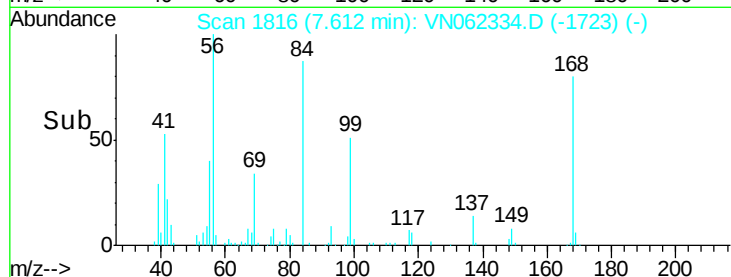
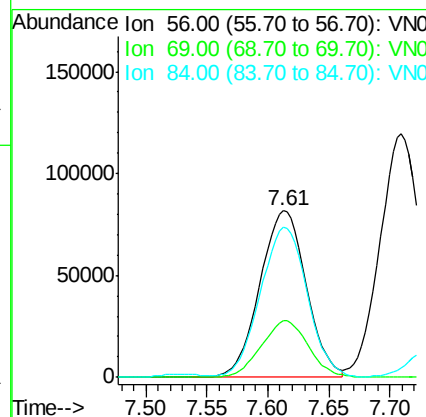
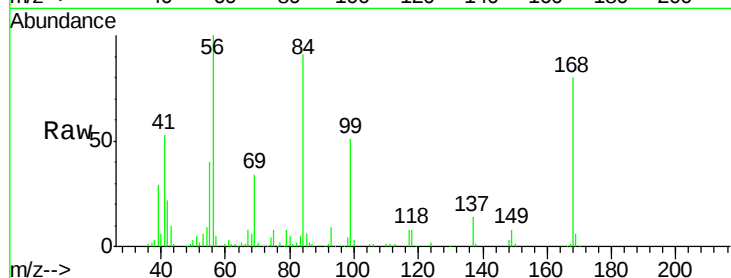
84 89.2 76.1 114.1

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:03:27 PM



#32

1,1,1-Trichloroethane

Concen: 51.374 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

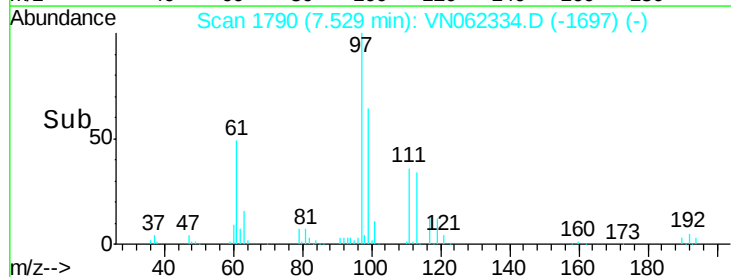
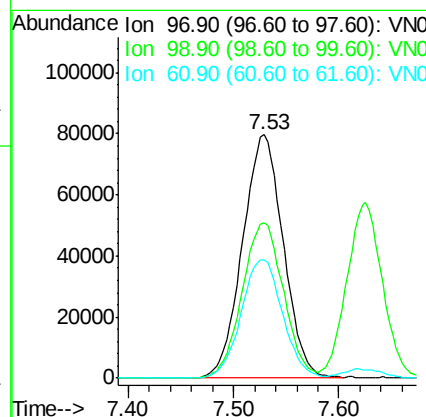
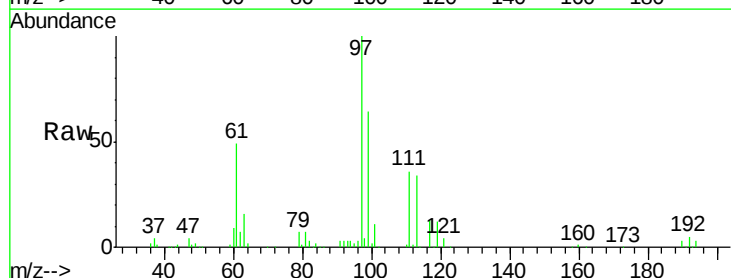
Tgt Ion: 97 Resp: 214344

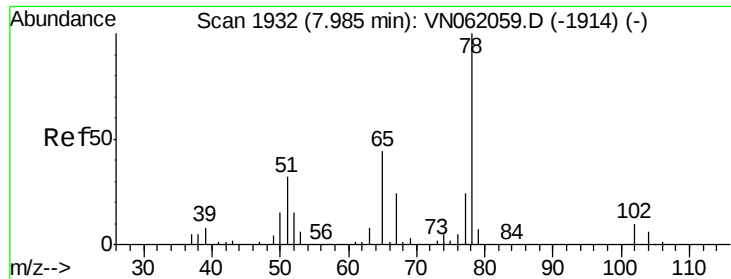
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 49.2 36.2 54.2





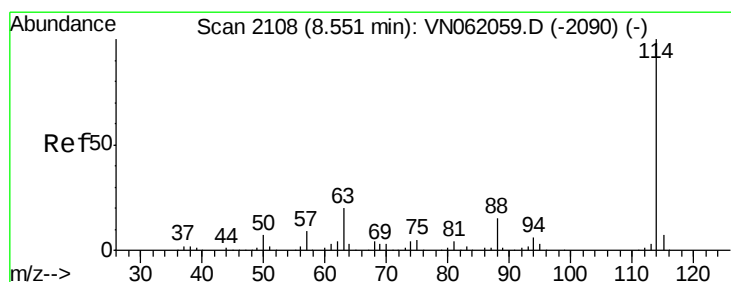
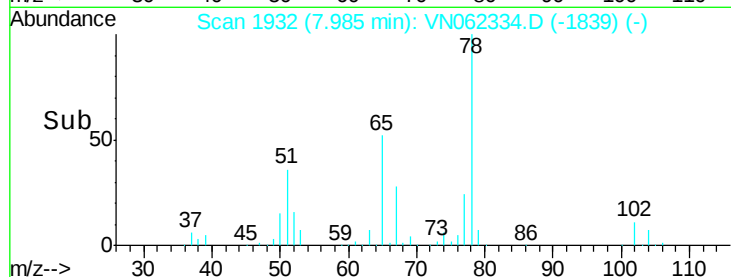
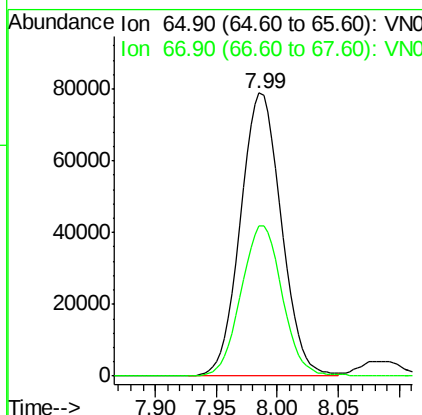
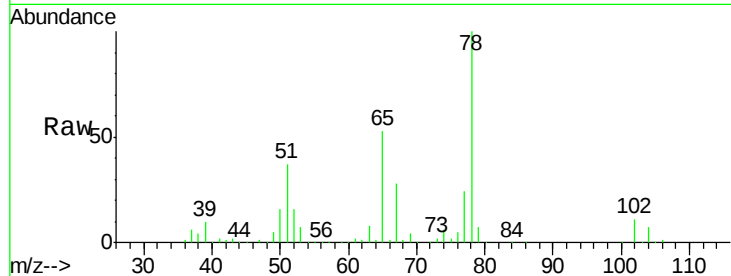
#33
 1,2-Dichloroethane-d4
 Concen: 61.429 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182880		
67	53.4	0.0	106.2	

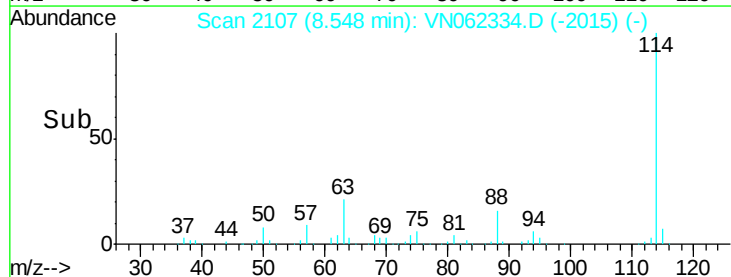
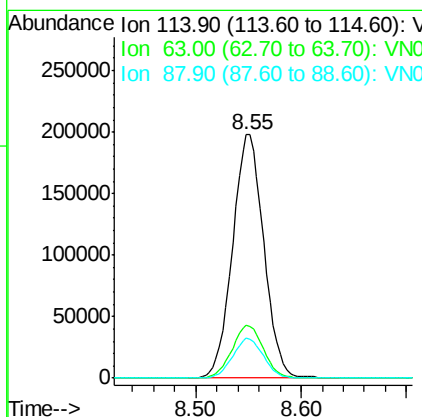
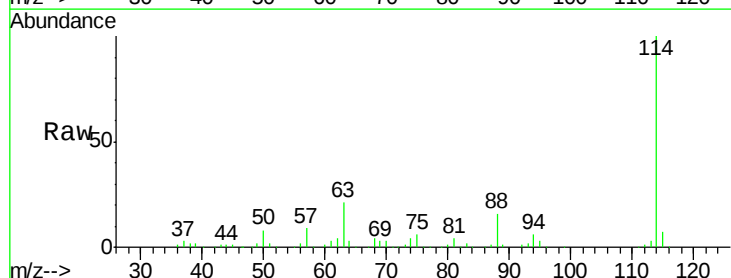
Manual Integrations
 APPROVED

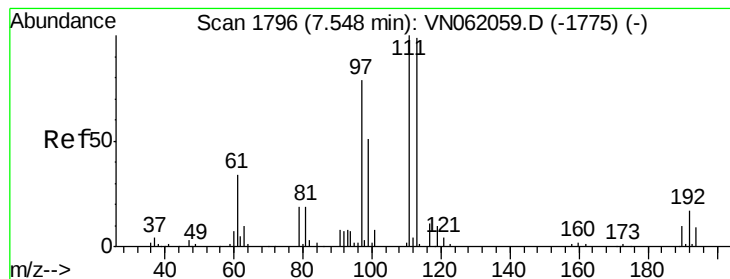
MMDadoda
 7/2/2020 5:03:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	406161		
63	21.5	0.0	39.2	
88	16.3	0.0	30.8	





#35

Dibromofluoromethane

Concen: 52.942 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

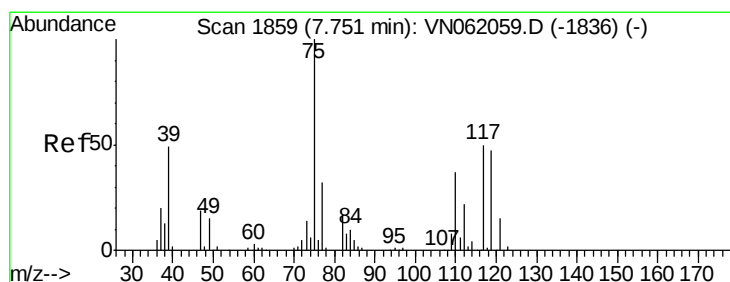
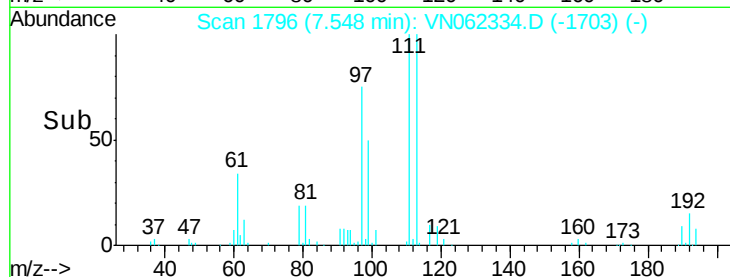
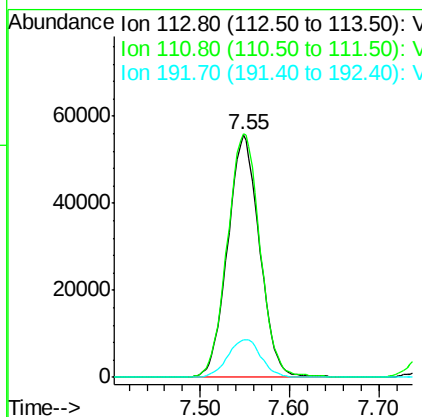
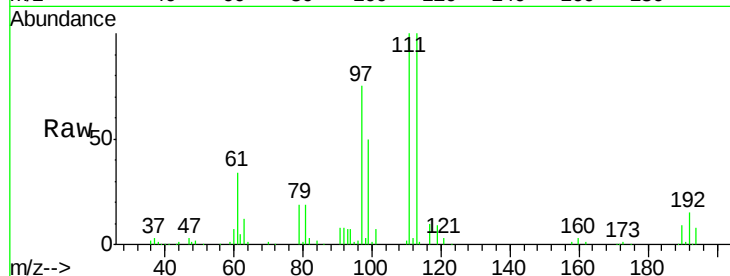
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	137951
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.2	123.4
192	16.4	14.0	21.0

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#36

1,1-Dichloropropene

Concen: 48.202 ug/l

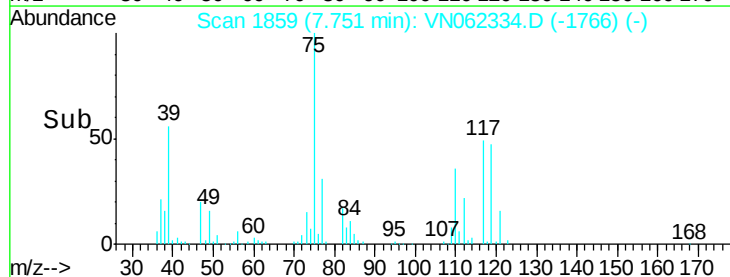
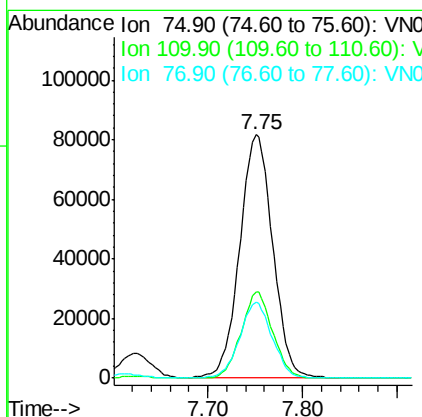
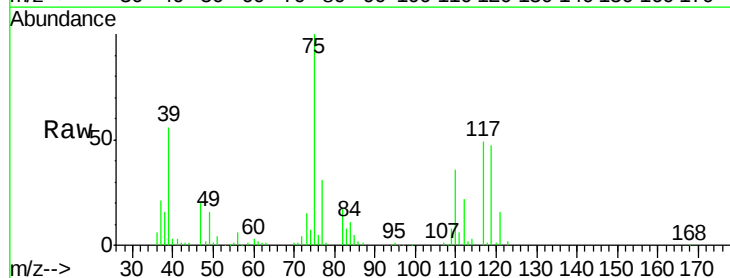
RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:	75	Resp:	196788
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.9	53.8
77	30.9	24.9	37.3





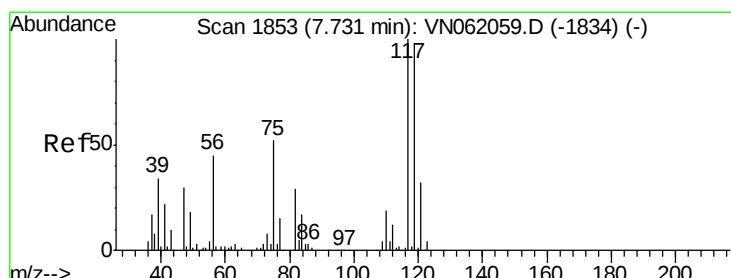
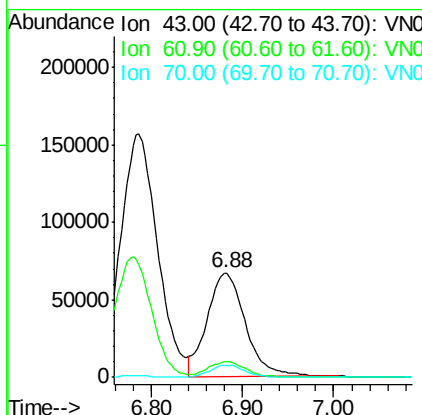
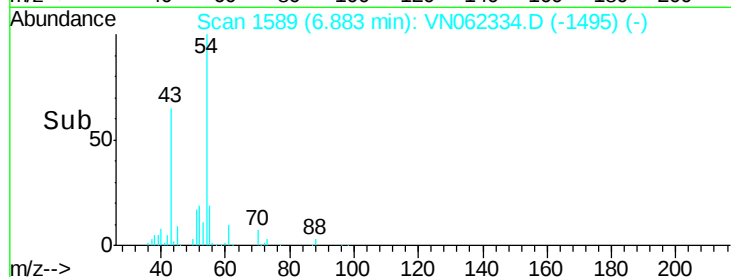
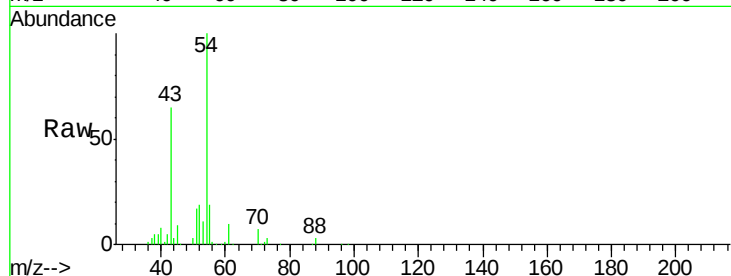
#37
Ethyl Acetate
Concen: 57.867 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	10.8	9.6	14.4

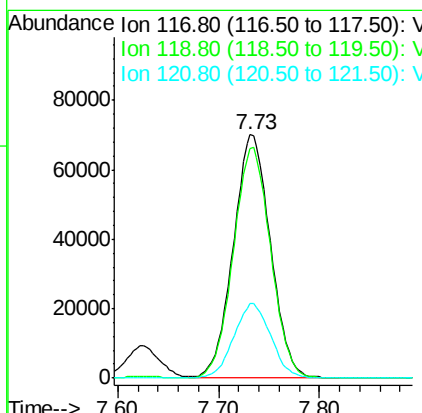
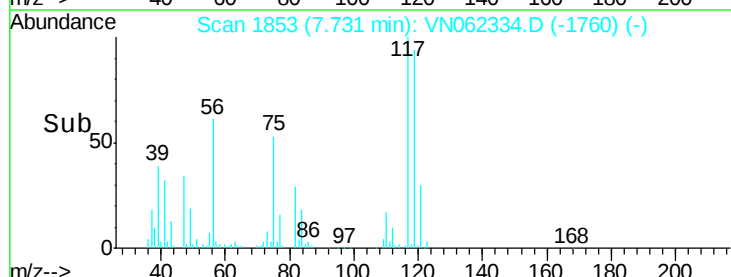
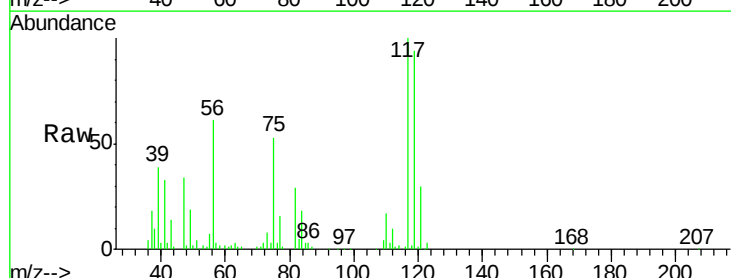
Manual Integrations
APPROVED

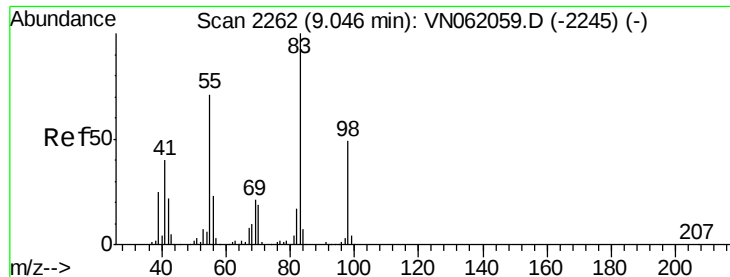
MMDadoda
7/2/2020 5:03:27 PM



#38
Carbon Tetrachloride
Concen: 46.584 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.2	117.2
121	30.4	25.8	38.6





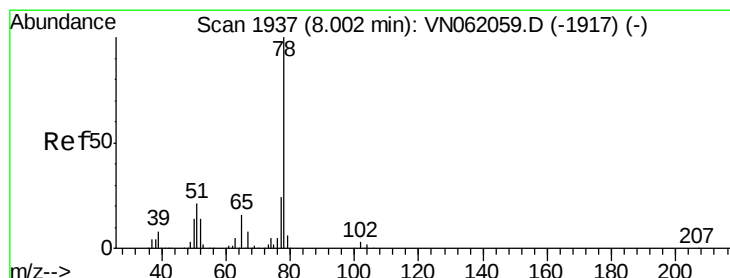
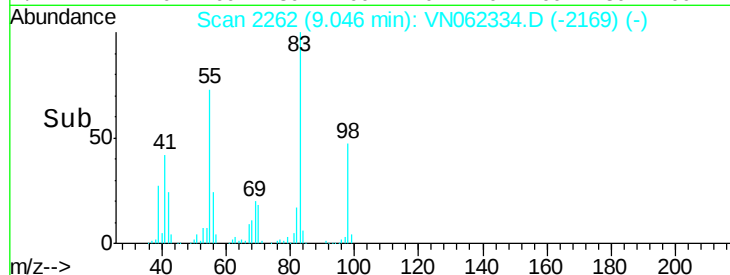
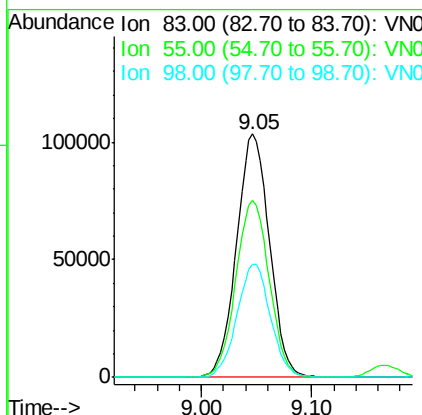
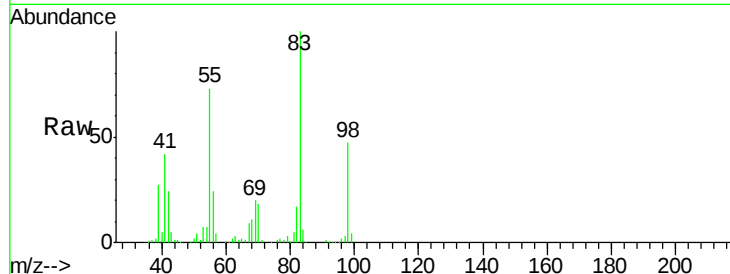
#39
Methvlcvclohexane
Concen: 47.988 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	214656		
55	72.8		57.0	85.6
98	46.5		39.0	58.6

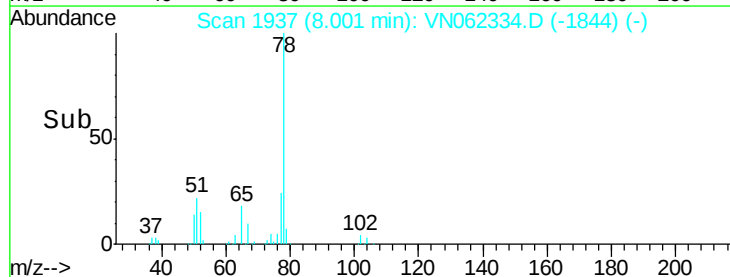
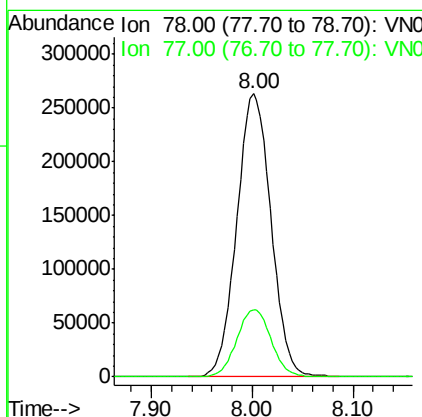
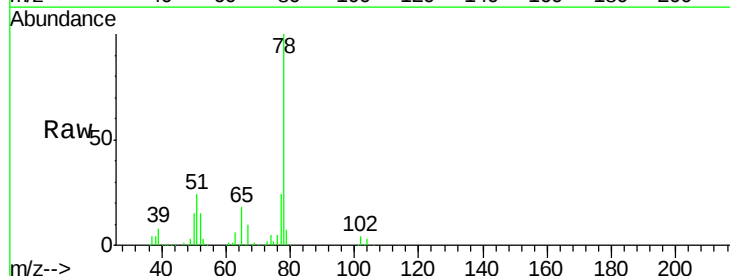
Manual Integrations
APPROVED

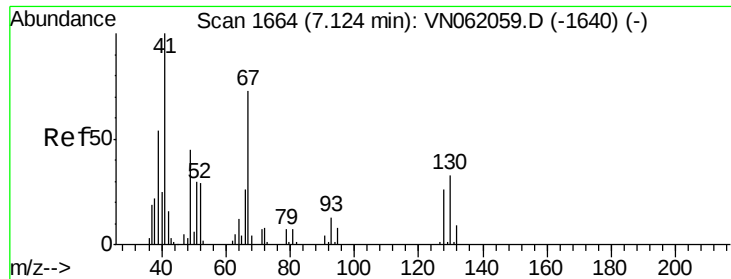
MMDadoda
7/2/2020 5:03:27 PM



#40
Benzene
Concen: 49.821 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	619940		
77	23.7		19.5	29.3





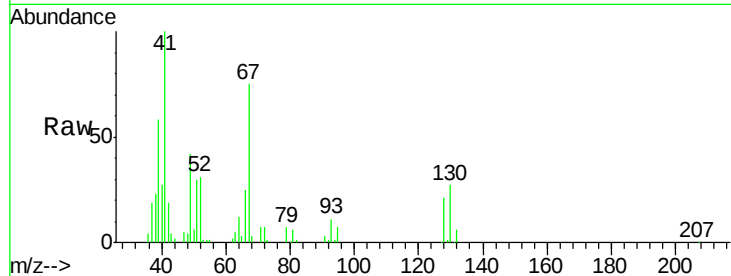
#41
Methacrylonitrile
Concen: 49.366 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

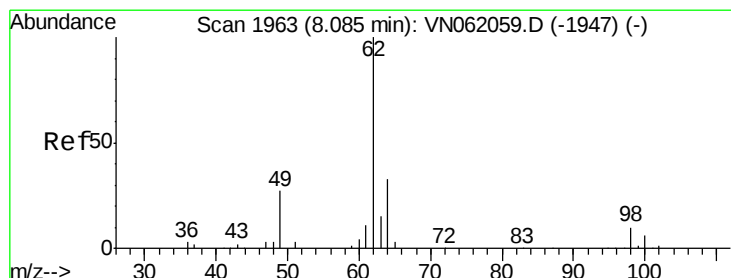
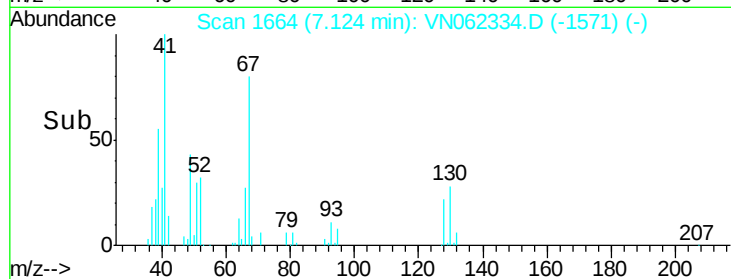
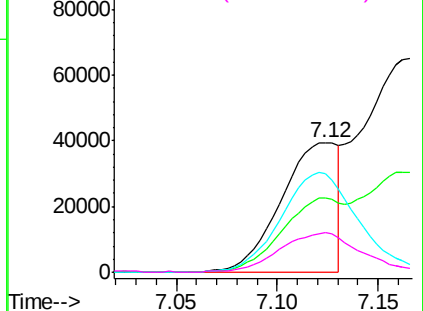
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.1	44.2	66.2	
67	105.8	79.5	119.3	
52	44.4	32.3	48.5	

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM

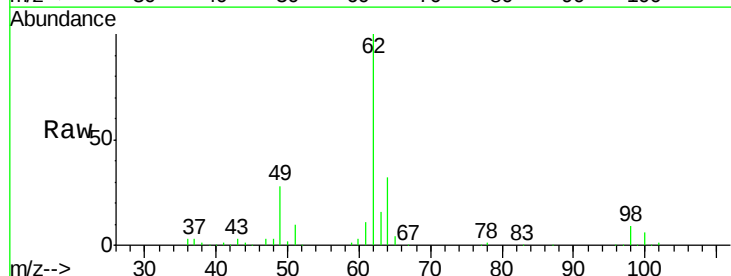


Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-1640) (-)

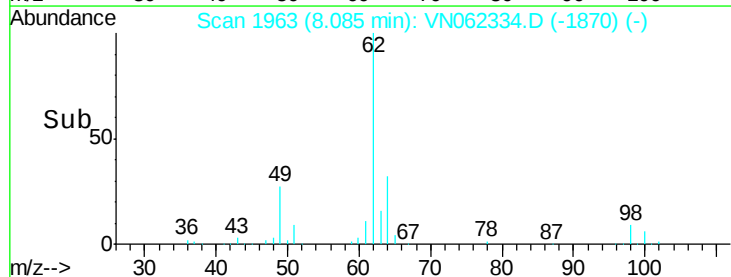
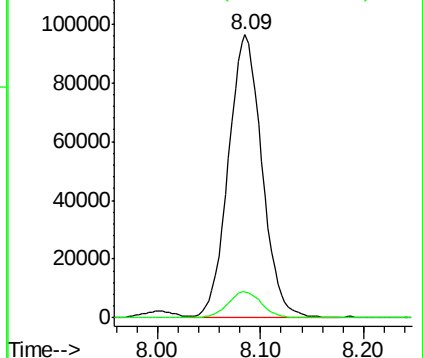


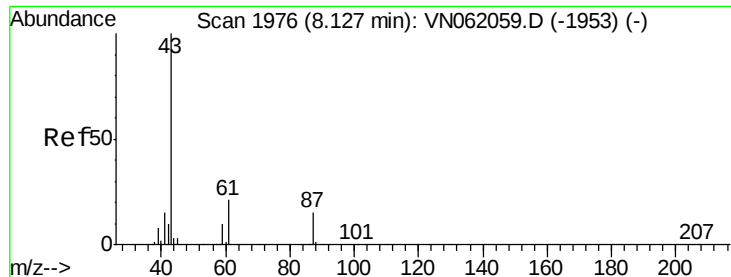
#42
1,2-Dichloroethane
Concen: 51.819 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	19.8	



Abundance Ion 61.90 (61.60 to 62.60): VN062059.D (-1947) (-)





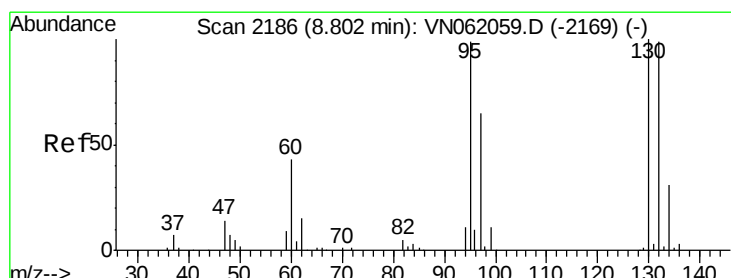
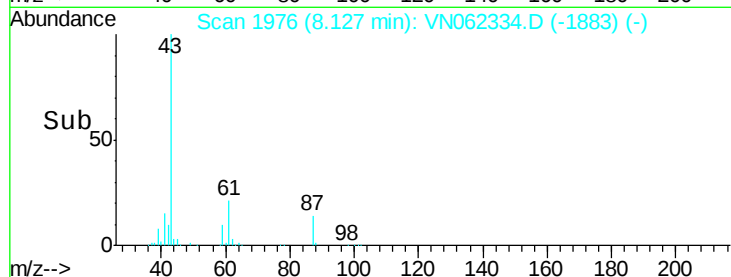
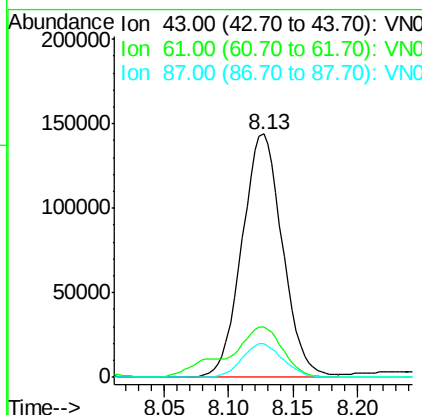
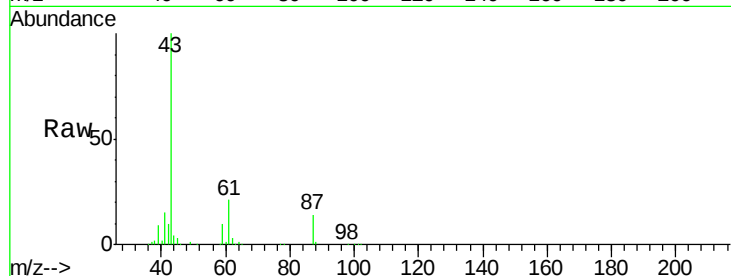
#43
Isopropyl Acetate
Concen: 56.949 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.2	25.8
87	13.9	12.1	18.1

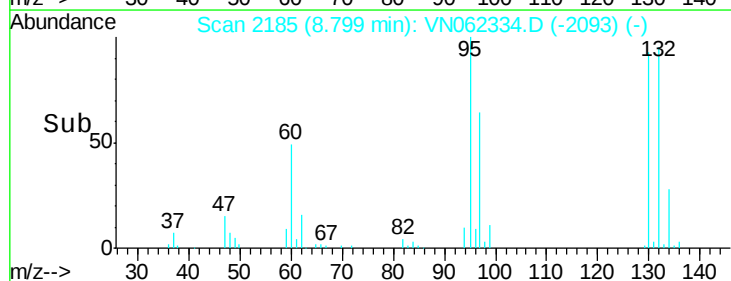
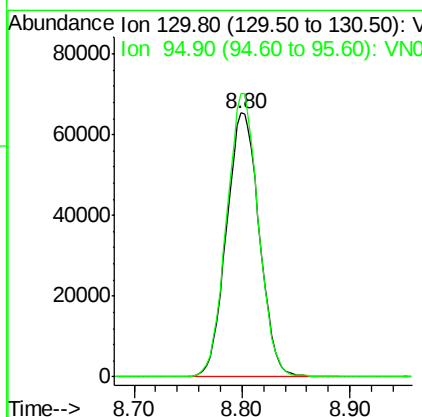
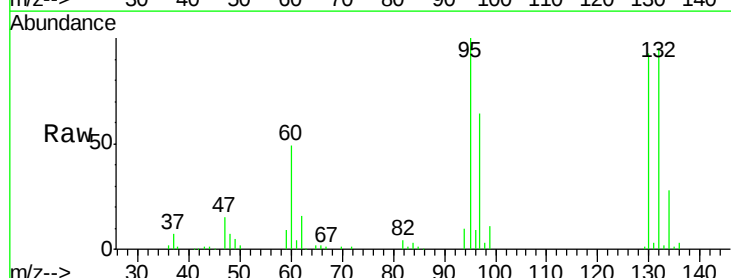
Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#44
Trichloroethene
Concen: 44.181 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	197.8





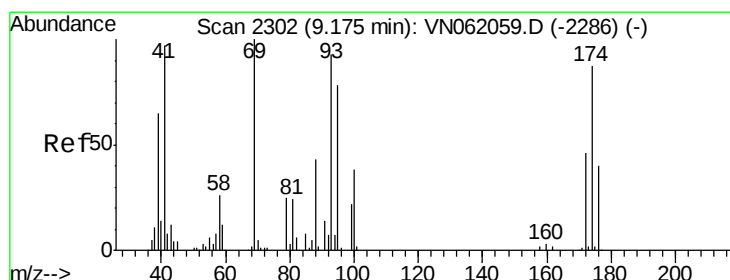
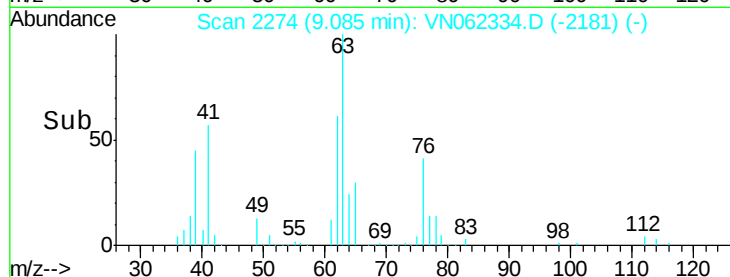
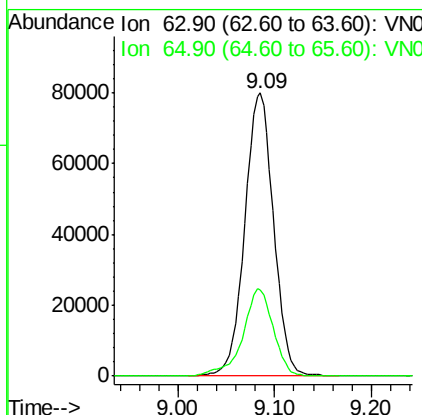
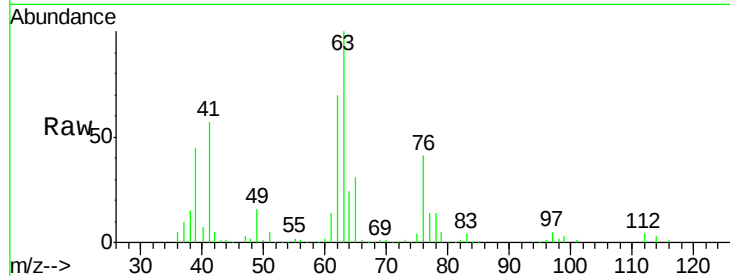
#45
 1,2-Dichloropropane
 Concen: 53.939 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 165584
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

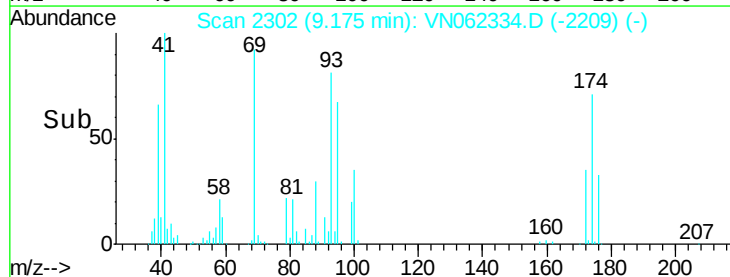
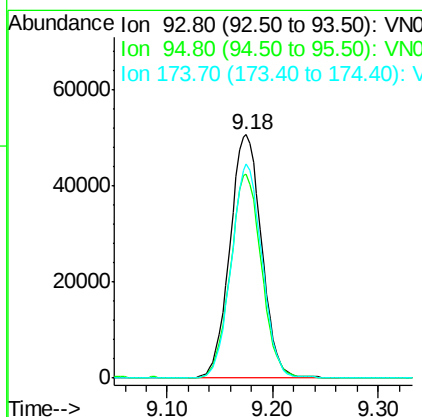
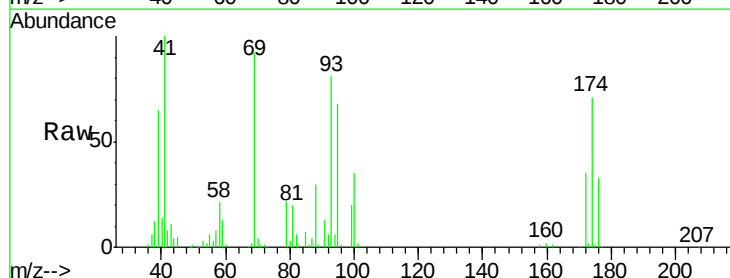
Manual Integrations
 APPROVED

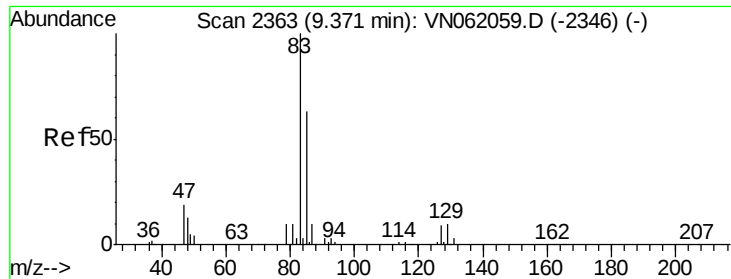
MMDadoda
 7/2/2020 5:03:27 PM



#46
 Dibromomethane
 Concen: 50.675 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion: 93 Resp: 105474
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.0 100.6
 174 84.6 74.4 111.6





#47

Bromodichloromethane

Concen: 51.911 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

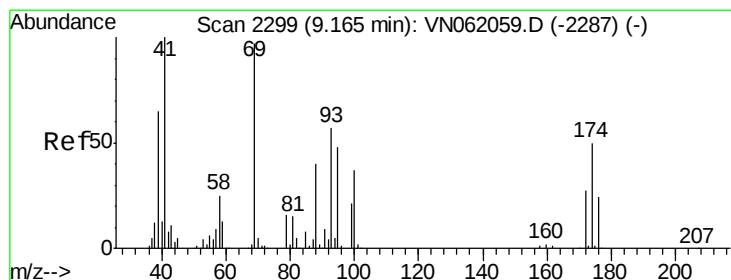
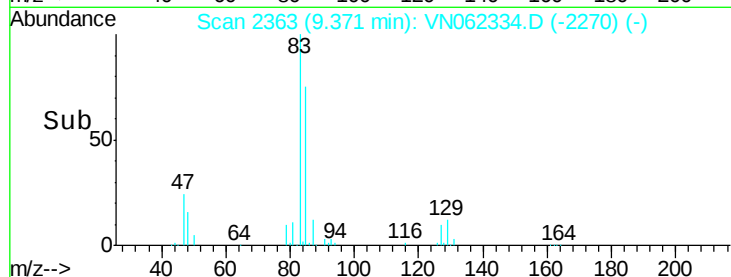
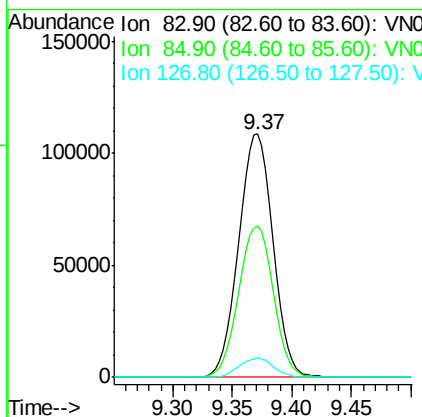
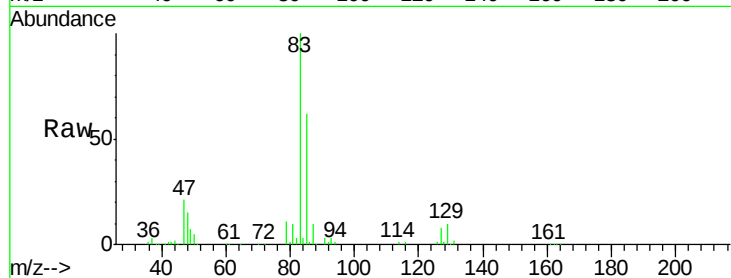
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	218160
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.3	75.5
127	7.9	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#48

Methyl methacrylate

Concen: 61.179 ug/l

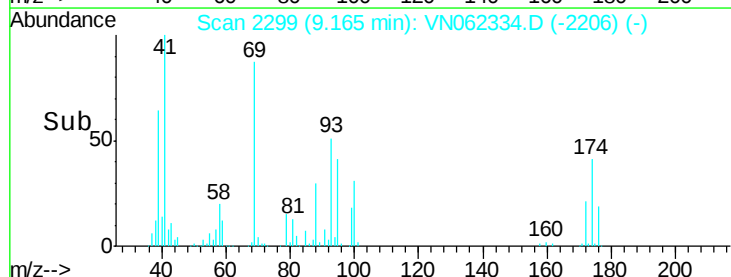
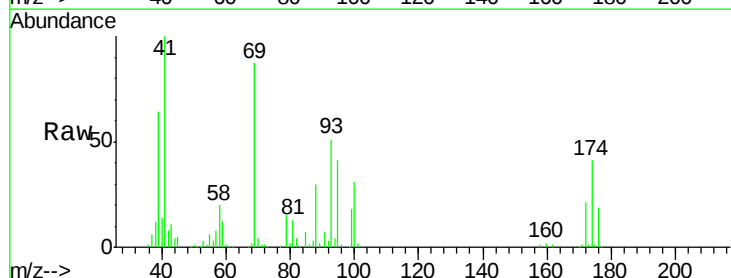
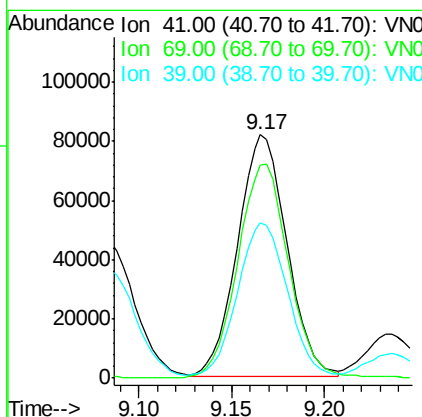
RT: 9.17 min Scan# 2299

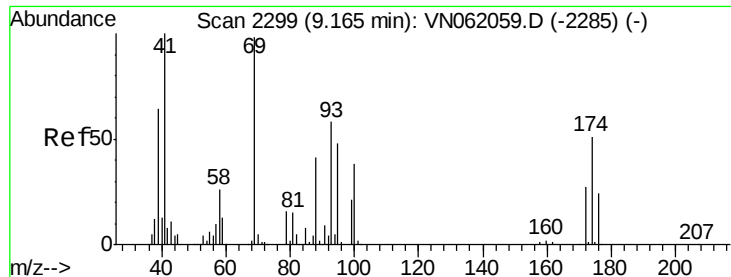
Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:	41	Resp:	151168
Ion	Ratio	Lower	Upper
41	100		
69	91.3	80.7	121.1
39	64.9	54.5	81.7





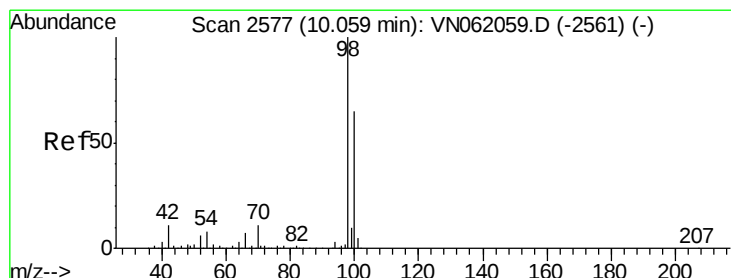
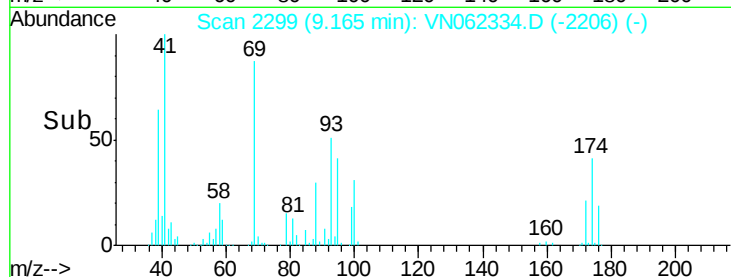
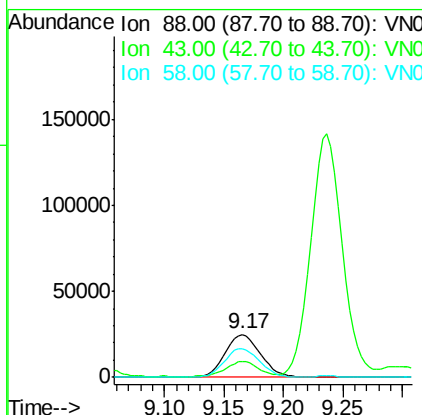
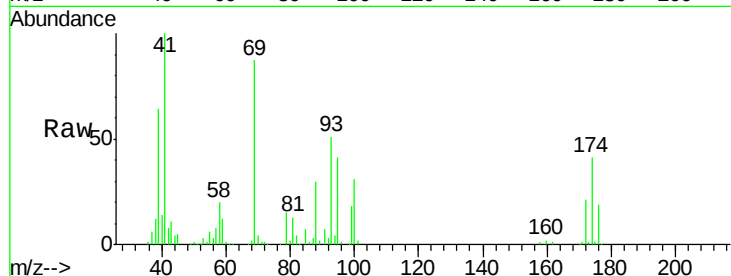
#49
1,4-Dioxane
Concen: 947.760 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	51933
Ion	Ratio	Lower	Upper
88	100		
43	32.1	22.0	33.0
58	66.3	49.2	73.8

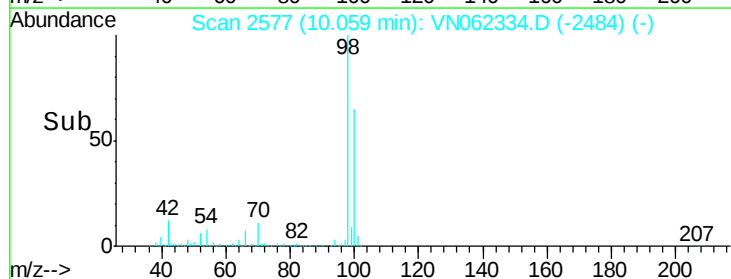
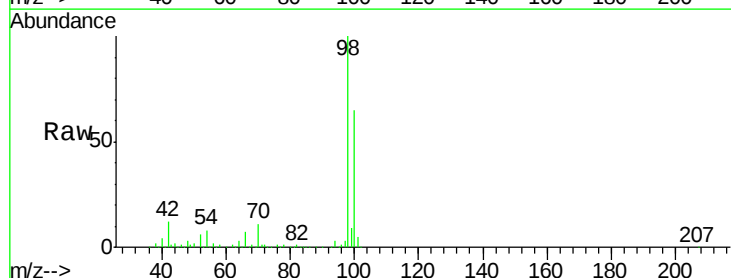
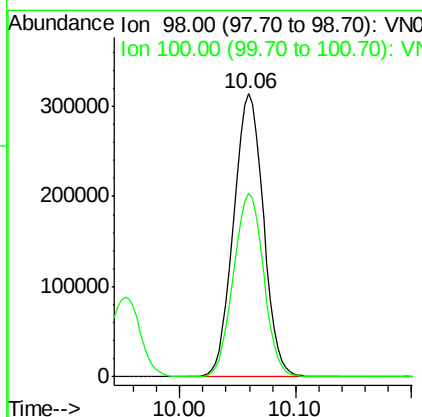
Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#50
Toluene-d8
Concen: 53.683 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	98	Resp	559162
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 304.826 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 981464

Ion Ratio Lower Upper

43 100

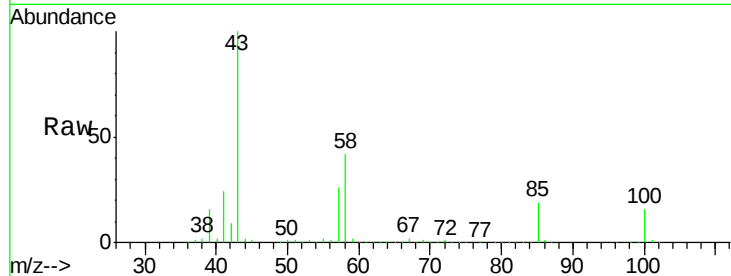
58 41.1 34.2 51.2

Manual Integrations

APPROVED

MMDadoda

7/2/2020 5:03:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

600000

500000

400000

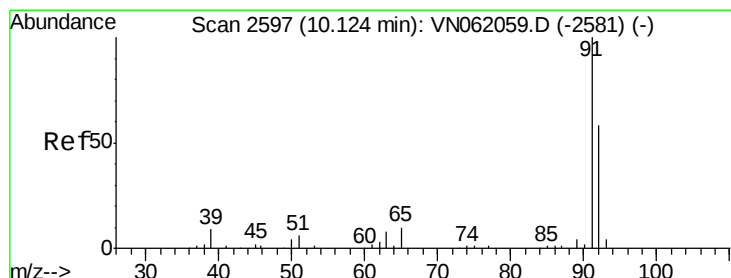
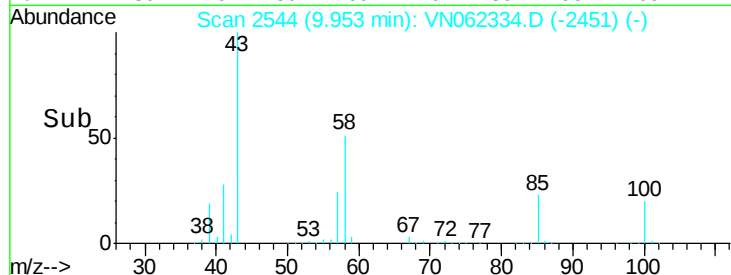
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.864 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062334.D

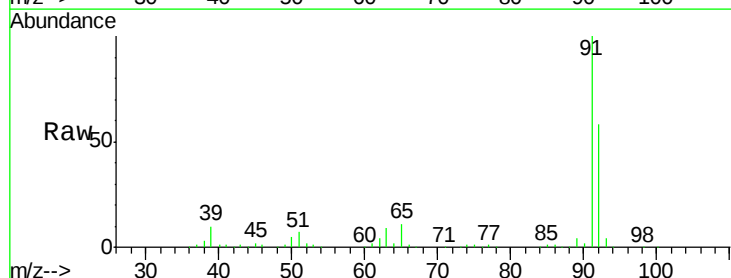
Acq: 2 Jul 2020 9:58

Tgt Ion: 92 Resp: 386179

Ion Ratio Lower Upper

92 100

91 171.8 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

400000

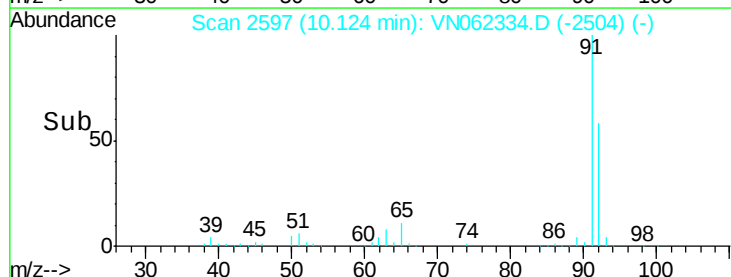
300000

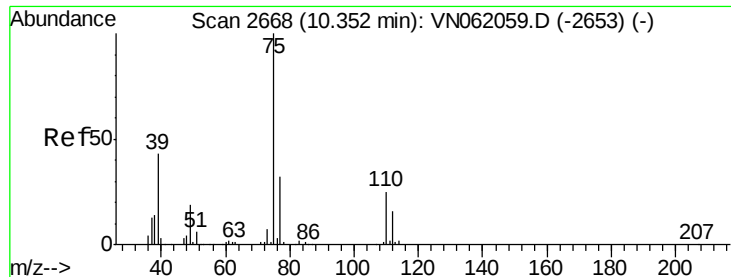
200000

100000

0

Time-->





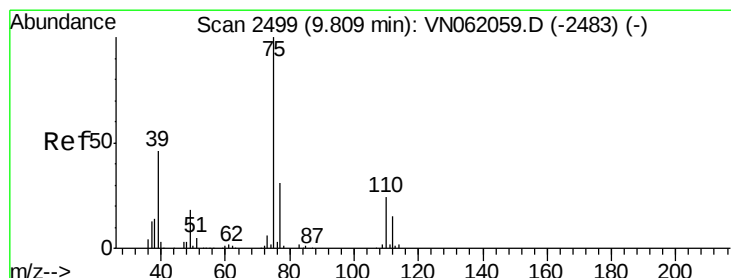
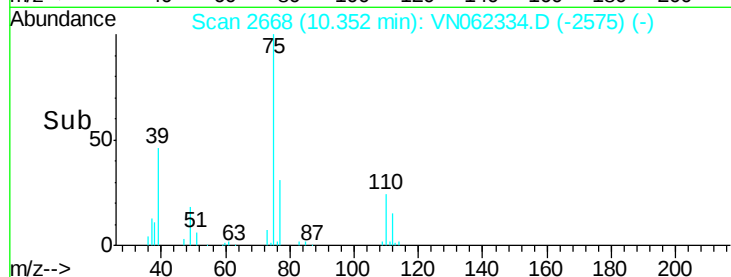
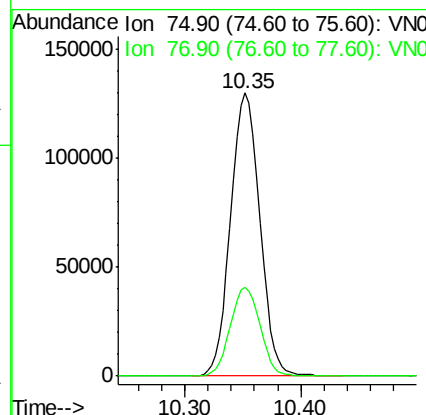
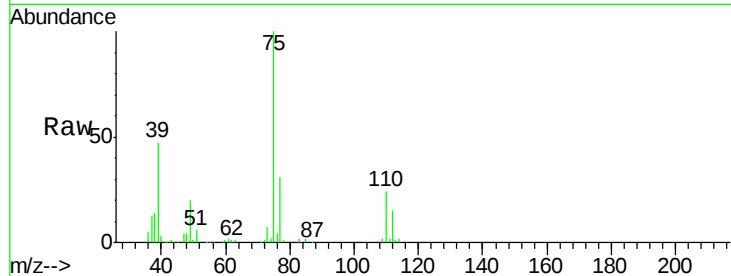
#53
t-1,3-Dichloropropene
Concen: 49.120 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

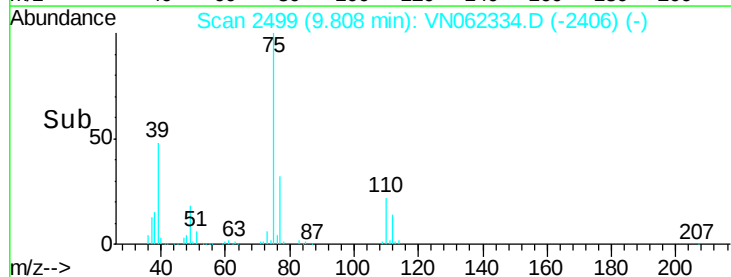
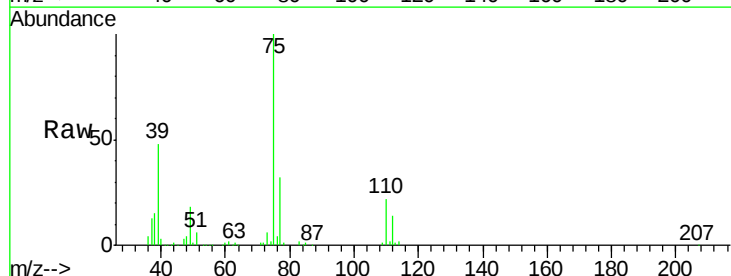
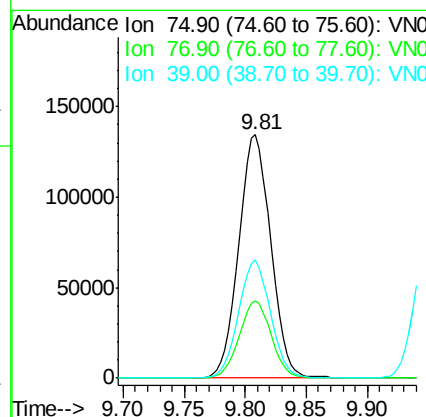
Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#54
cis-1,3-Dichloropropene
Concen: 49.738 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6
39	48.2	36.9	55.3





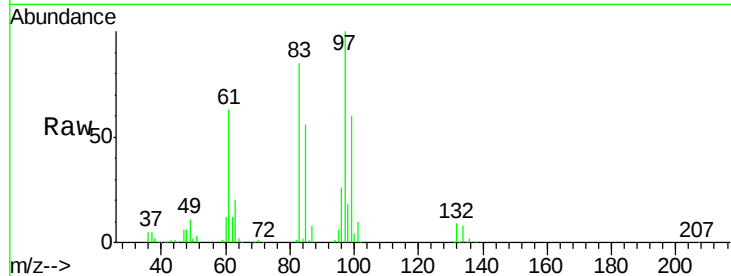
#55
 1,1,2-Trichloroethane
 Concen: 52.812 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.2	102.2
85	55.6	43.2	64.8
99	60.4	48.5	72.7

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:03:27 PM

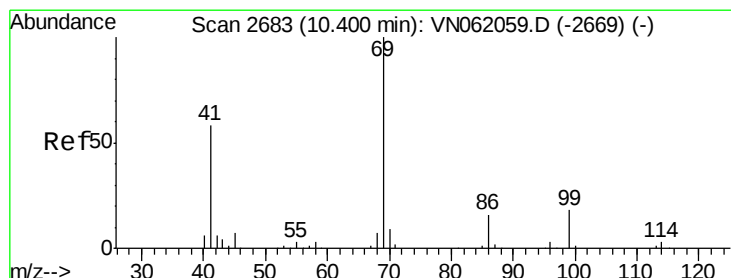
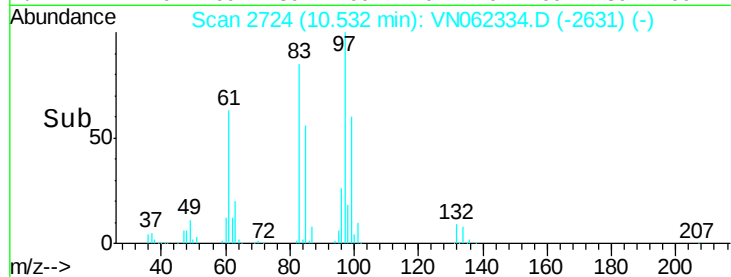
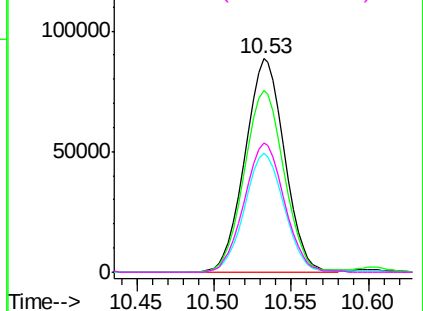


Abundance Ion 96.90 (96.60 to 97.60): VN062334.D (-2631) (-)

Ion 82.90 (82.60 to 83.60): VN062334.D (-2631) (-)

Ion 84.90 (84.60 to 85.60): VN062334.D (-2631) (-)

Ion 98.90 (98.60 to 99.60): VN062334.D (-2631) (-)



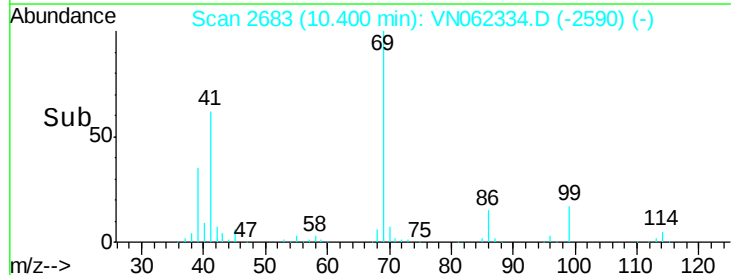
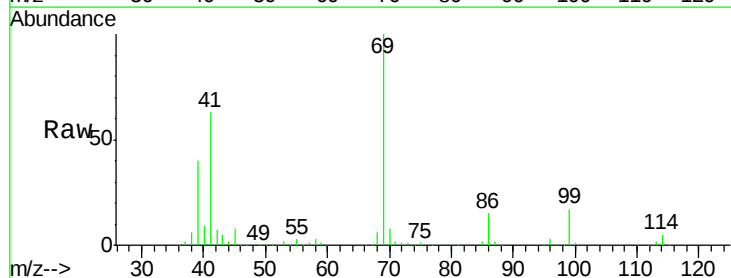
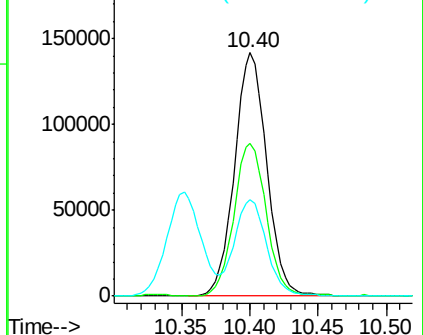
#56
 Ethyl methacrylate
 Concen: 58.336 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

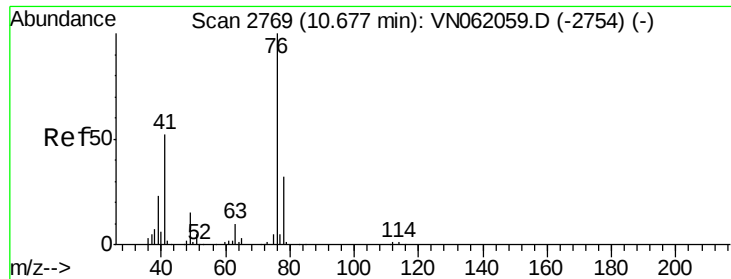
Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.5	46.6	70.0
39	39.2	31.0	46.4

Abundance Ion 69.00 (68.70 to 69.70): VN062334.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062334.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062334.D (-2590) (-)





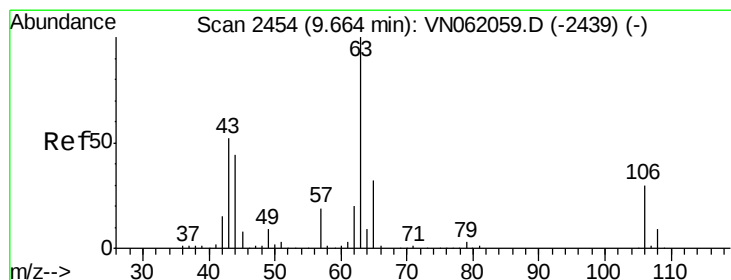
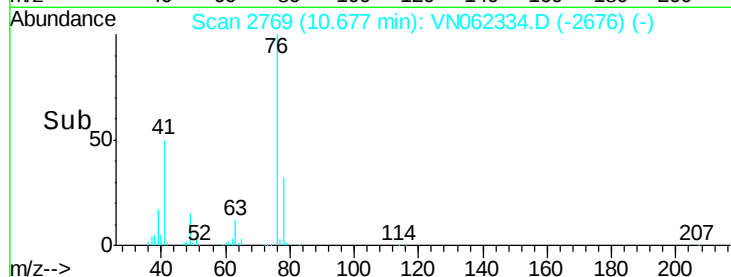
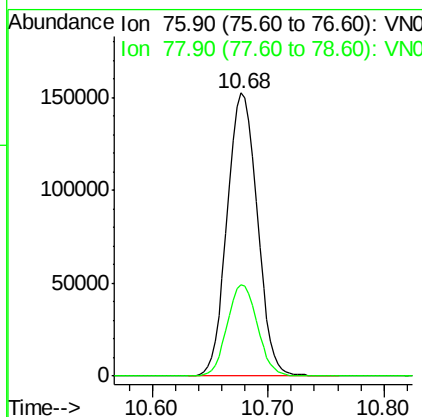
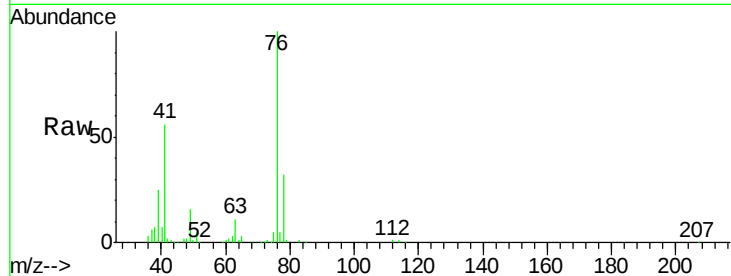
#57
 1,3-Dichloropropane
 Concen: 53.406 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

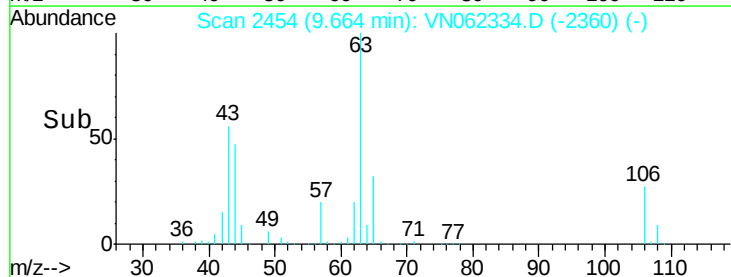
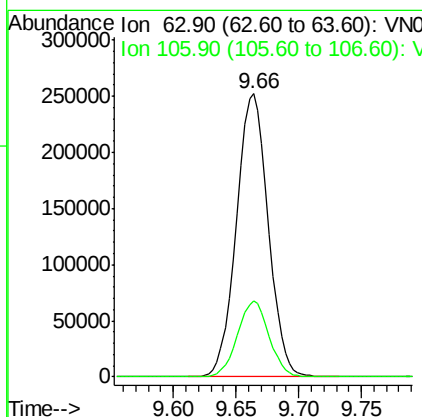
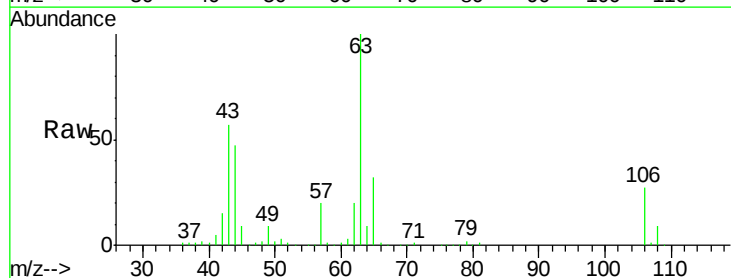
Manual Integrations
 APPROVED

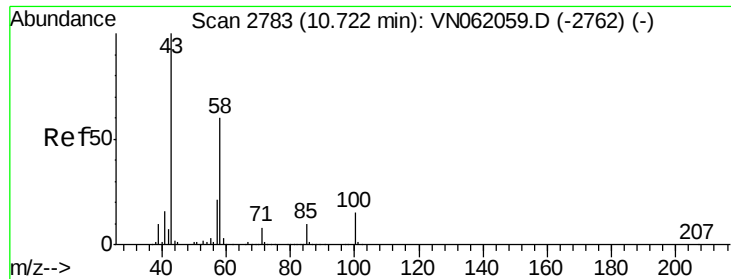
MMDadoda
 7/2/2020 5:03:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.629 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	23.2	34.8





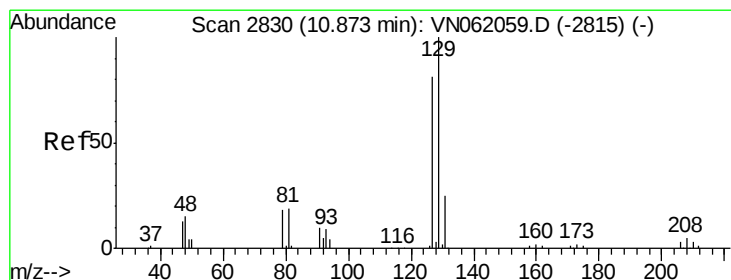
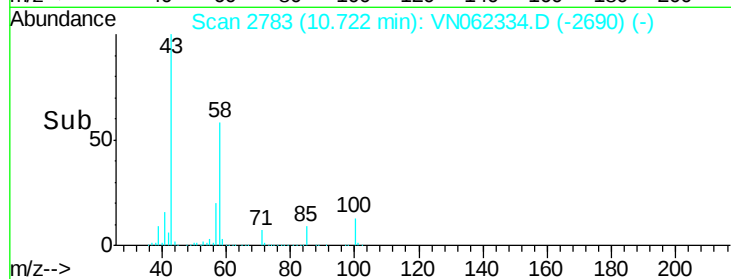
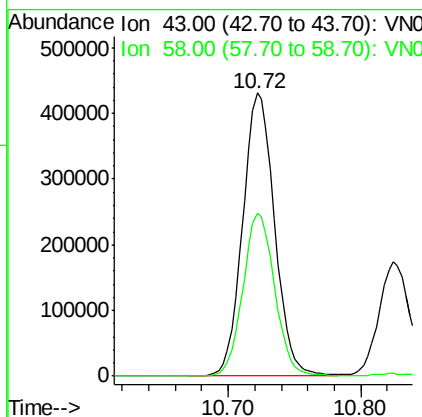
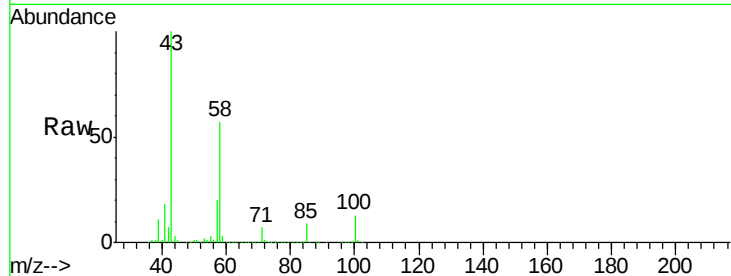
#59
2-Hexanone
Concen: 308.400 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	717023
Ion Ratio	100	Lower	Upper
43	100		
58	57.6	29.5	88.5

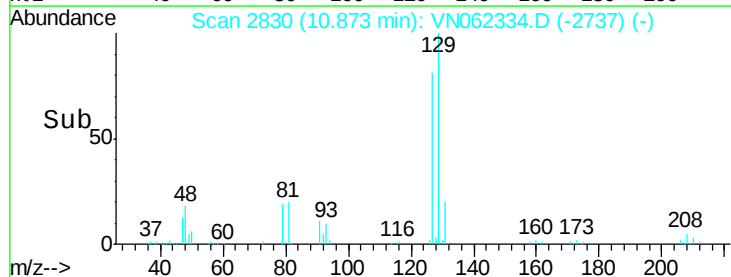
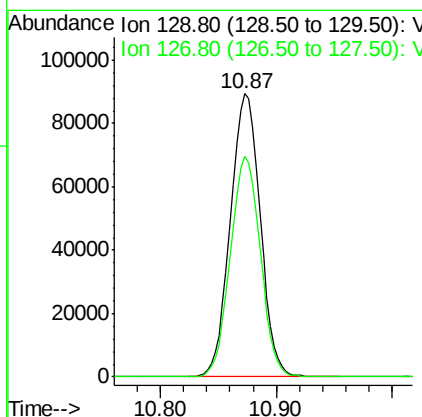
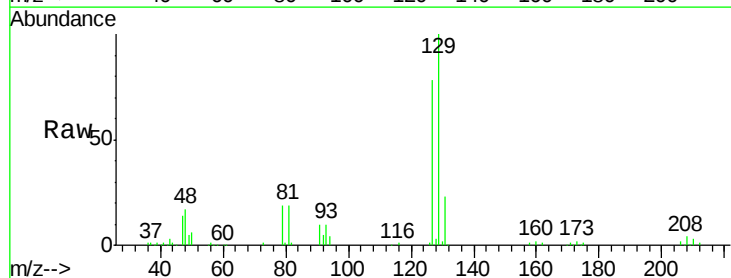
Manual Integrations
APPROVED

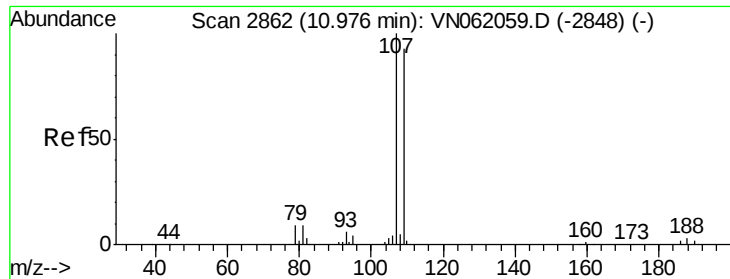
MMDadoda
7/2/2020 5:03:27 PM



#60
Dibromochloromethane
Concen: 50.412 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	129	Resp	159289
Ion Ratio	100	Lower	Upper
129	100		
127	77.9	39.5	118.5





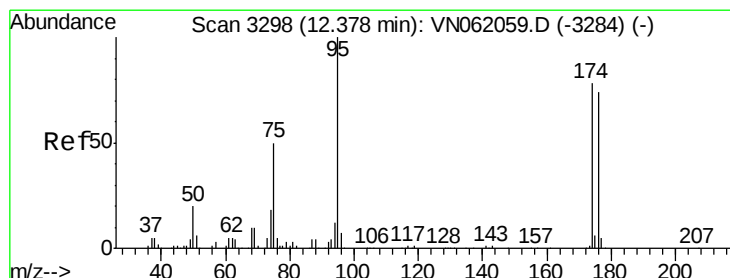
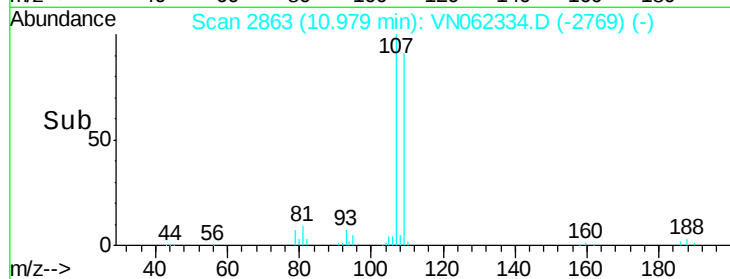
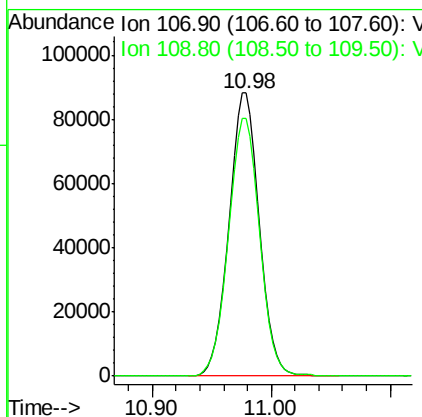
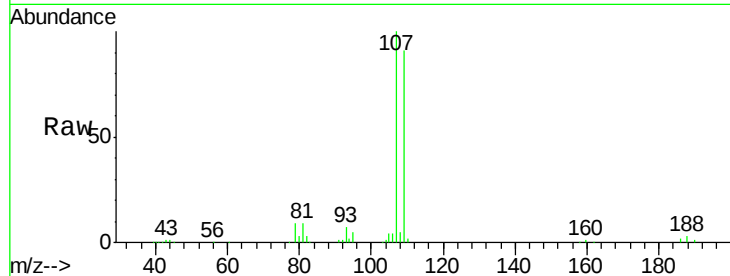
#61
 1,2-Dibromoethane
 Concen: 50.604 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

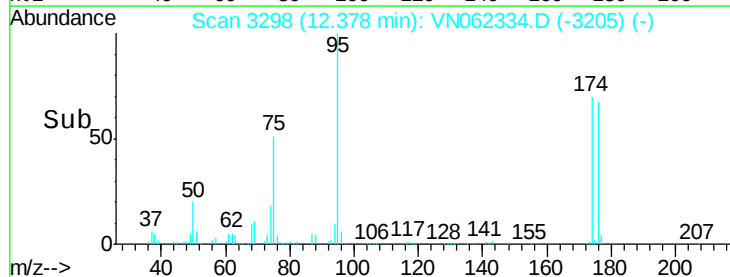
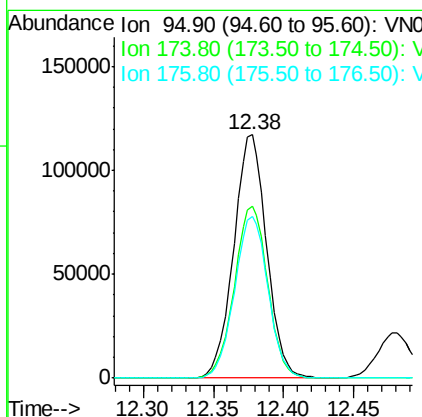
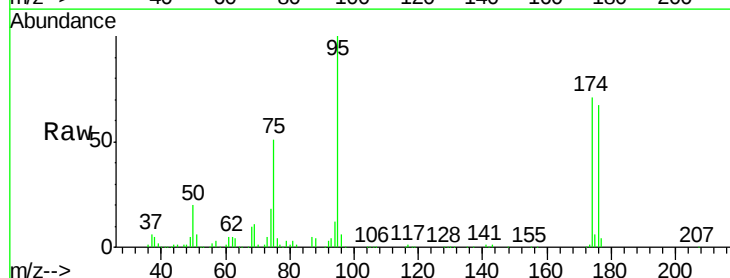
Manual Integrations
 APPROVED

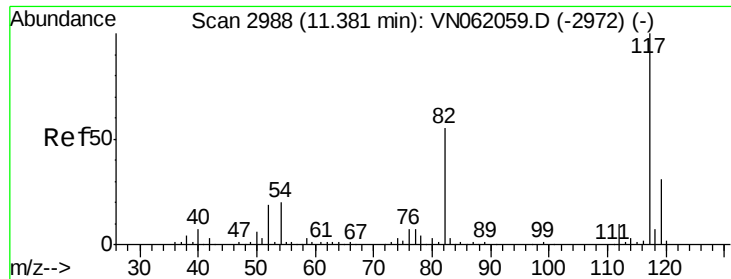
MMDadoda
 7/2/2020 5:03:27 PM



#62
 4-Bromofluorobenzene
 Concen: 54.455 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	154.8
176	67.6	0.0	147.4





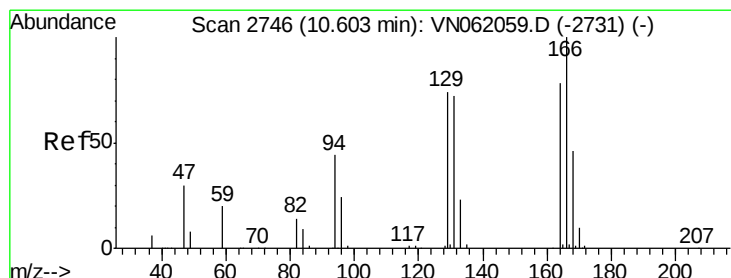
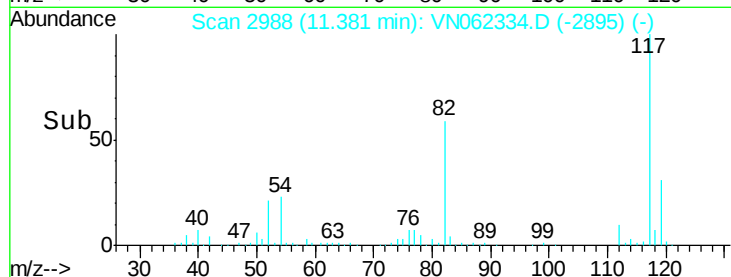
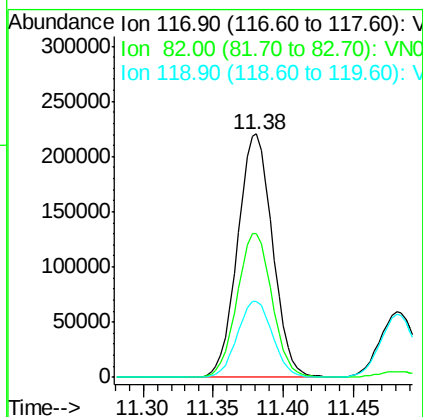
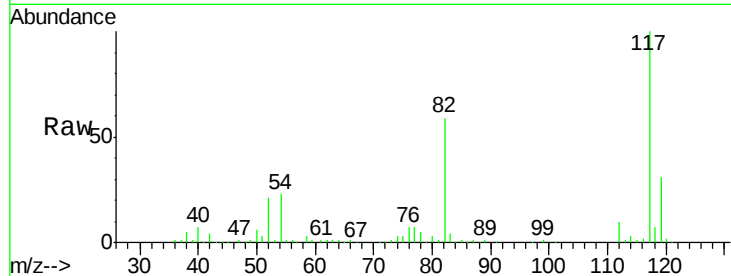
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	43.8	65.8
119	31.4	25.2	37.8

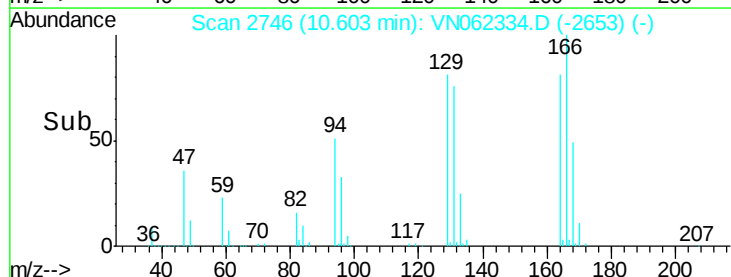
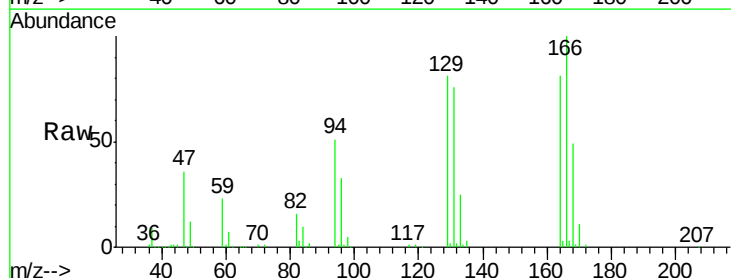
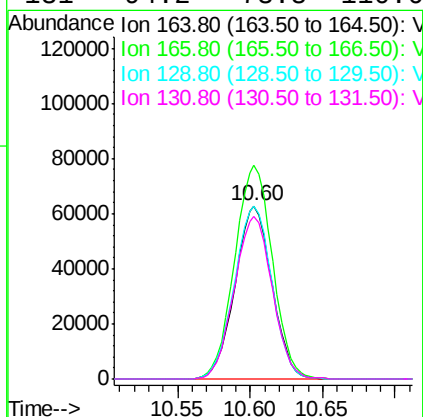
Manual Integrations
APPROVED

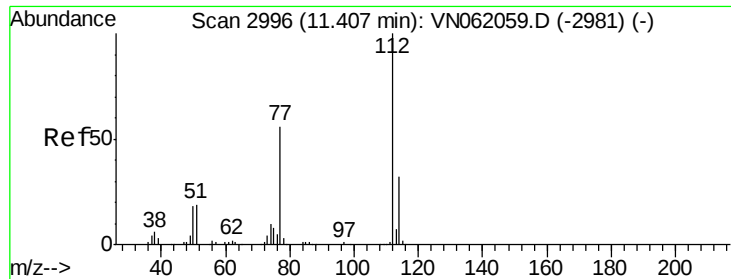
MMDadoda
7/2/2020 5:03:27 PM



#64
Tetrachloroethene
Concen: 42.383 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	102.9	154.3
129	99.9	75.8	113.8
131	94.2	73.8	110.6





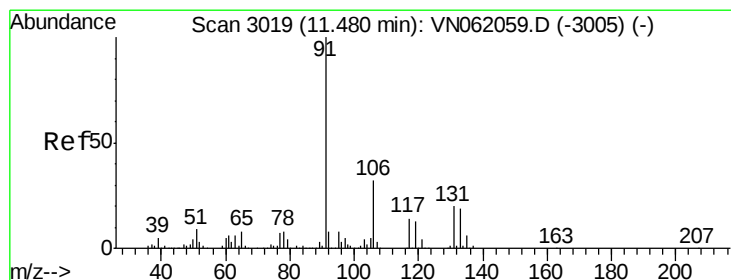
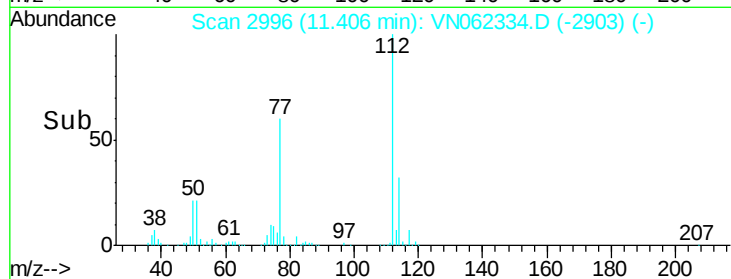
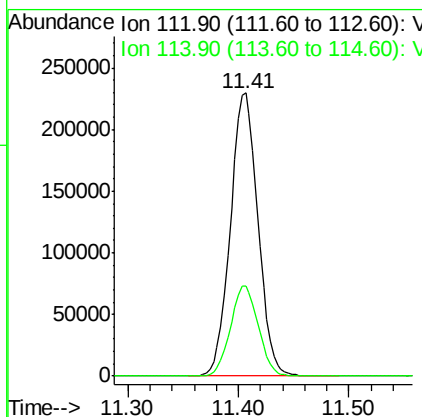
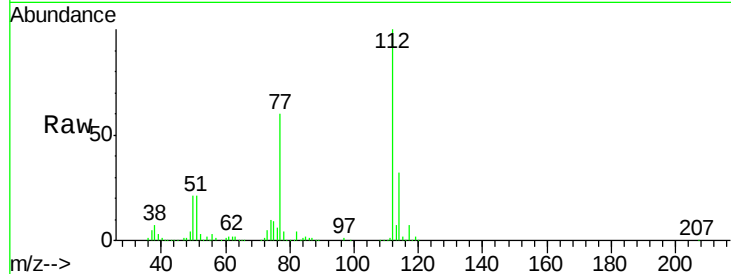
#65
Chlorobenzene
Concen: 47.248 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8

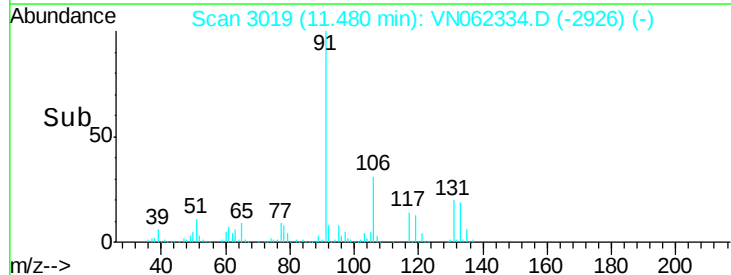
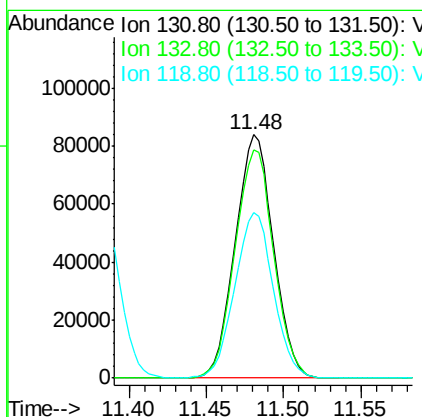
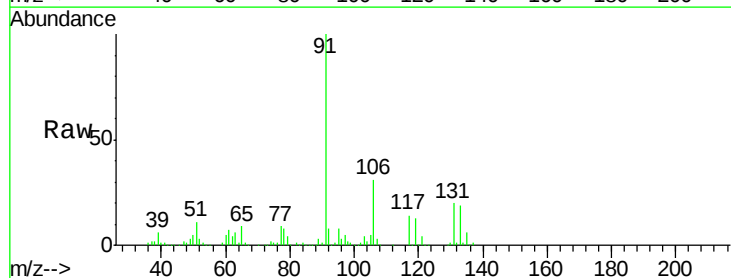
Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.446 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.9
119	68.7	34.4	103.3





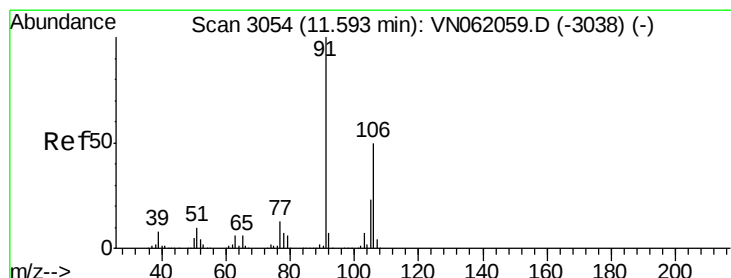
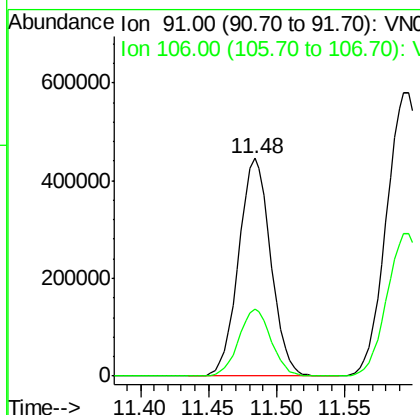
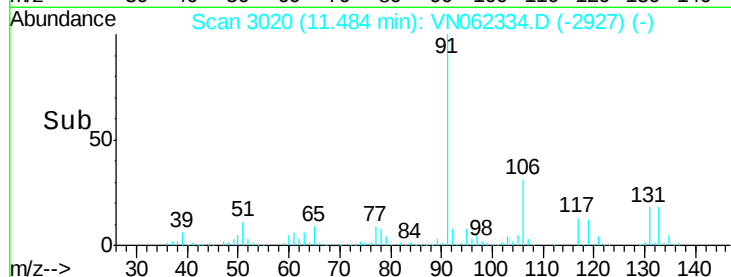
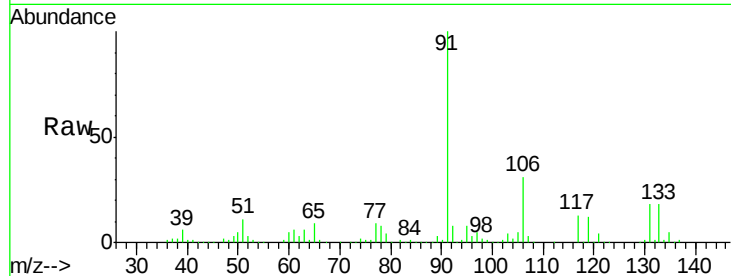
#67
Ethyl Benzene
Concen: 51.270 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 729199
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

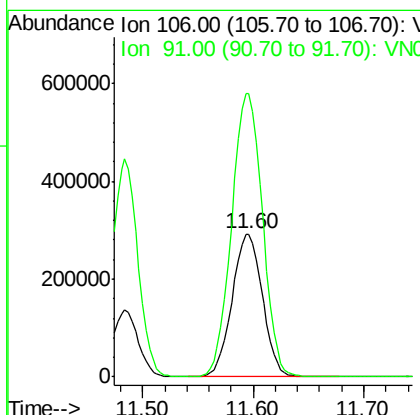
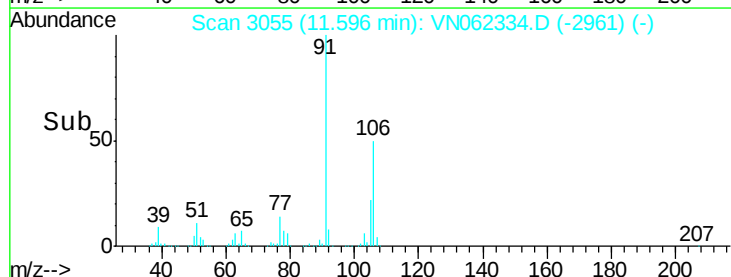
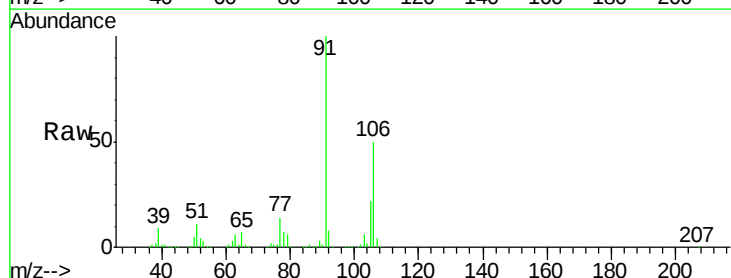
Manual Integrations
APPROVED

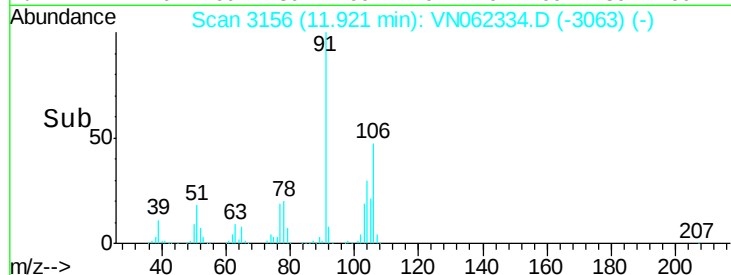
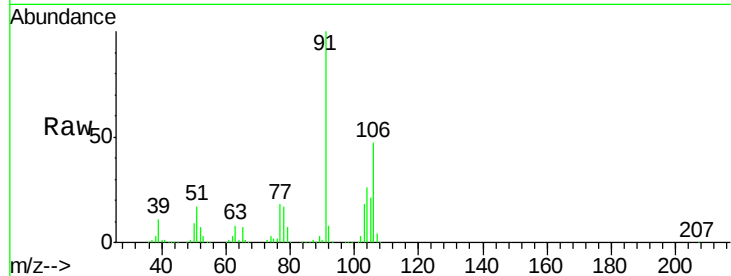
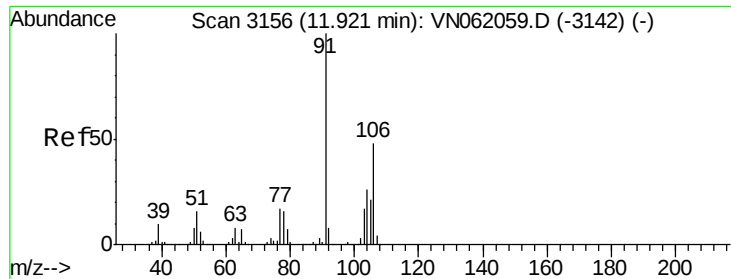
MMDadoda
7/2/2020 5:03:27 PM



#68
m/p-Xylenes
Concen: 100.956 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion: 106 Resp: 555374
Ion Ratio Lower Upper
106 100
91 202.1 157.8 236.8





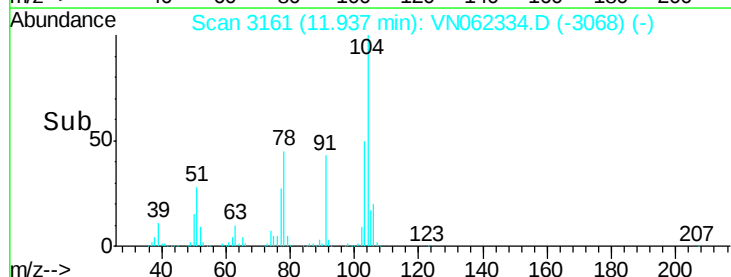
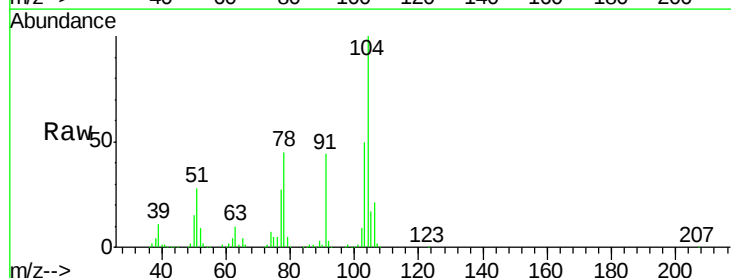
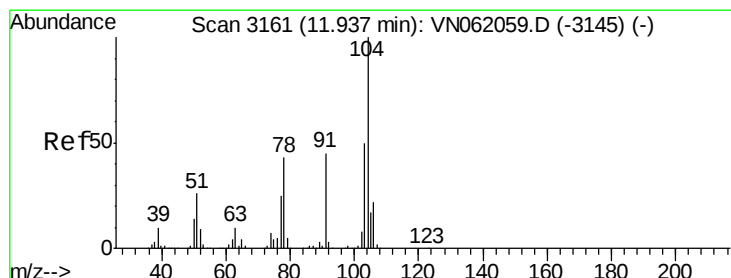
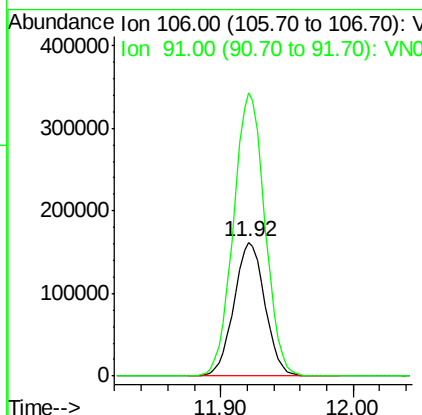
#69
o-Xylene
Concen: 50.643 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.6	104.0	311.9

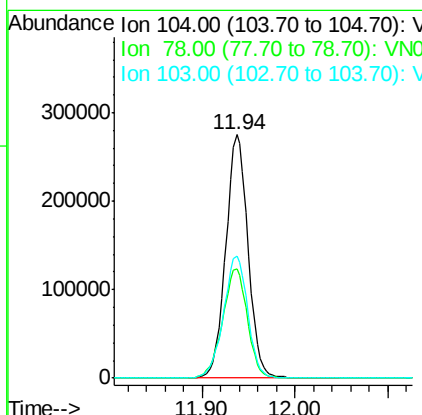
Manual Integrations
APPROVED

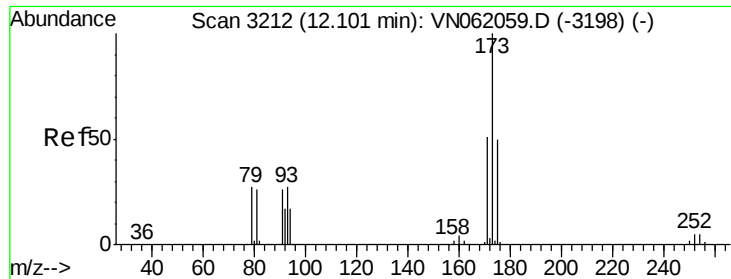
MMDadoda
7/2/2020 5:03:27 PM



#70
Styrene
Concen: 52.887 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	37.7	56.5
103	54.6	43.0	64.6





#71

Bromoform

Concen: 49.960 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

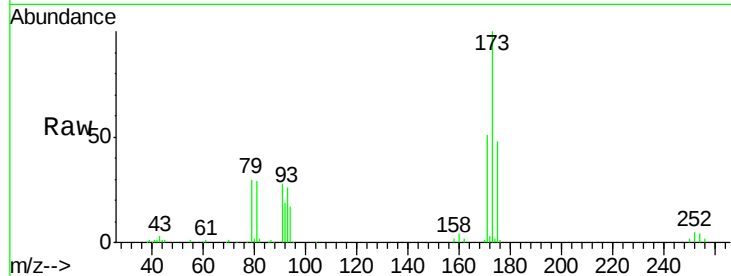
ClientSampleId :

VSTDCCC050EC

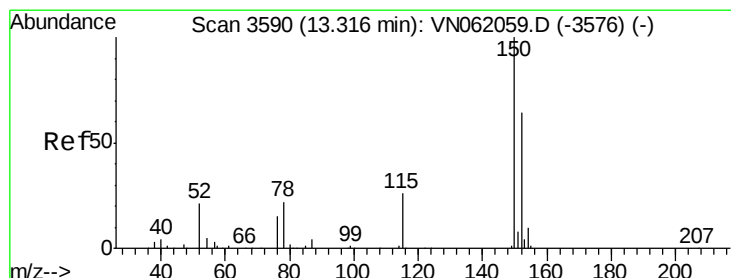
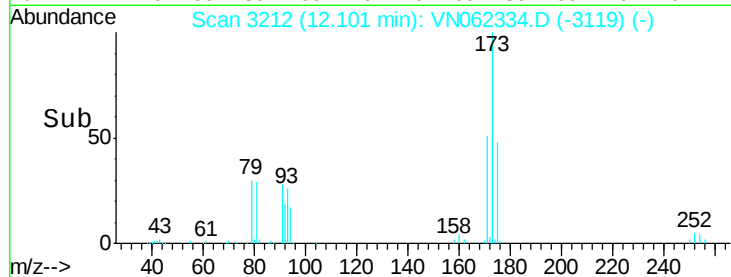
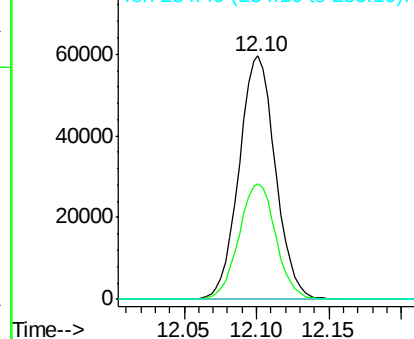
Tot Ion:173	Resp:	103441
Ion Ratio	Lower	Upper
173 100		
175 48.4	24.7	74.1
254 0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 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

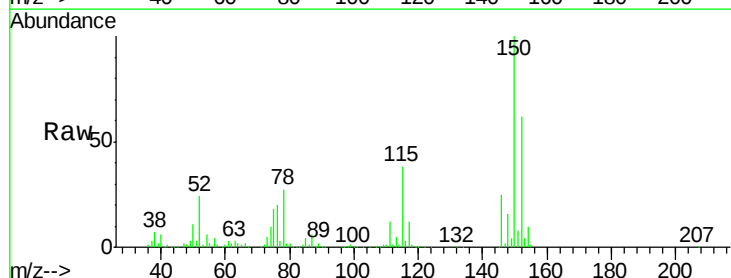
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

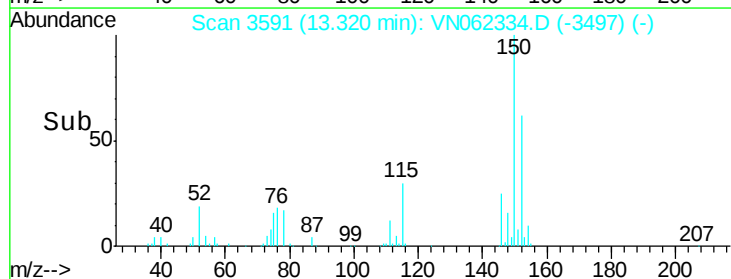
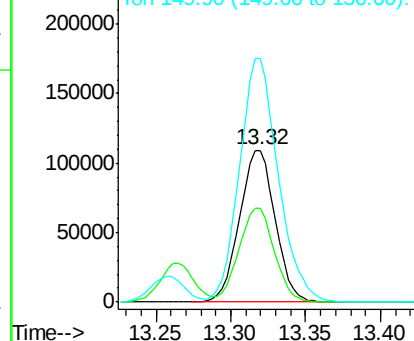
Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:152	Resp:	181145
Ion Ratio	Lower	Upper
152 100		
115 61.3	29.5	88.5
150 174.2	0.0	351.4



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: 50.220 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 704187

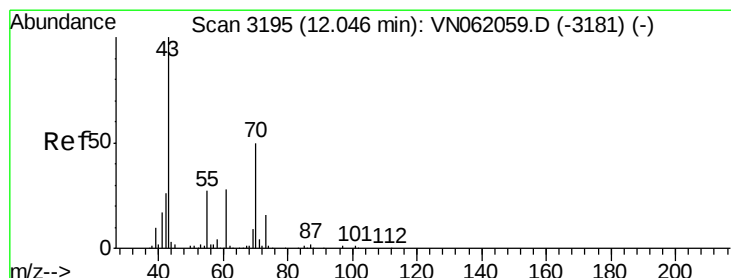
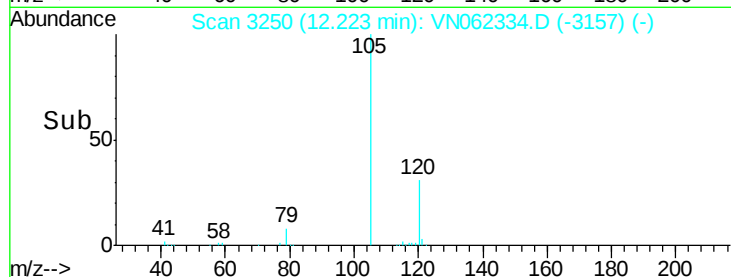
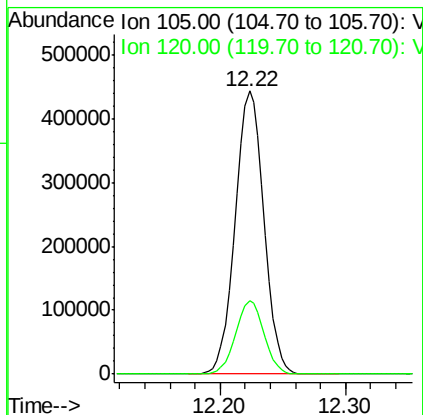
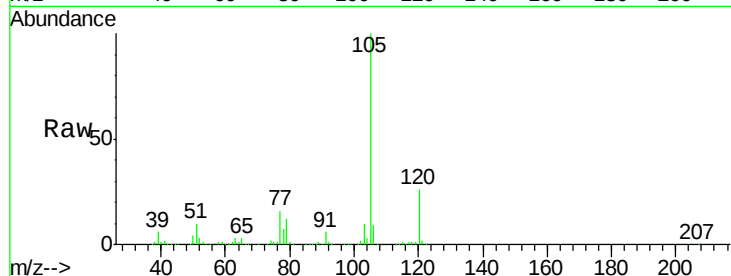
Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.6

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#74

N-ethyl acetate

Concen: 54.935 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion: 43 Resp: 285384

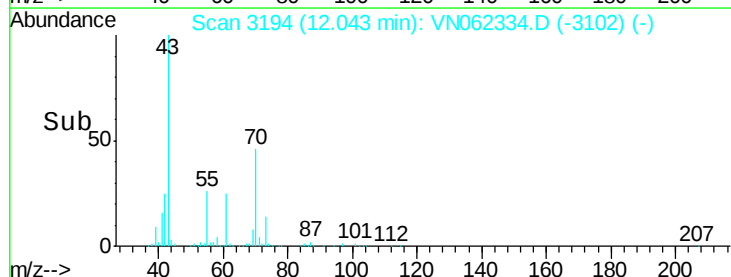
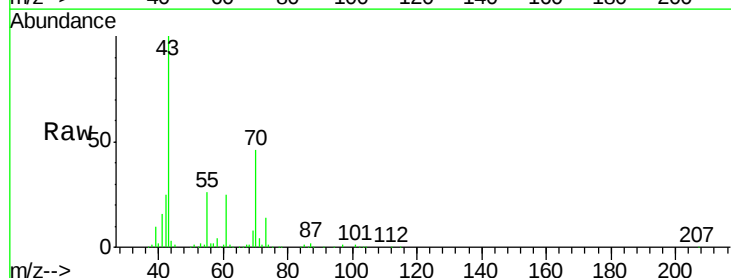
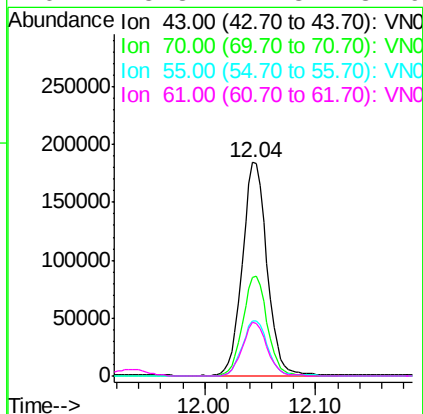
Ion Ratio Lower Upper

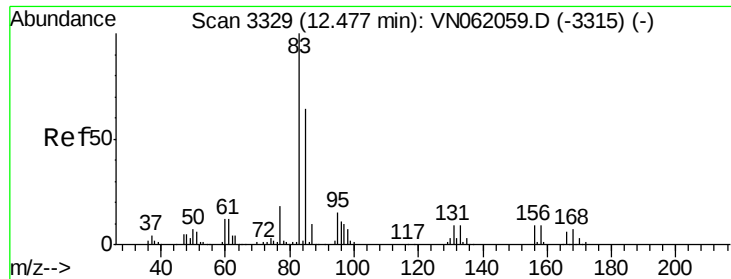
43 100

70 47.0 39.4 59.2

55 26.8 21.7 32.5

61 25.3 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.192 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 243538

Ion Ratio Lower Upper

83 100

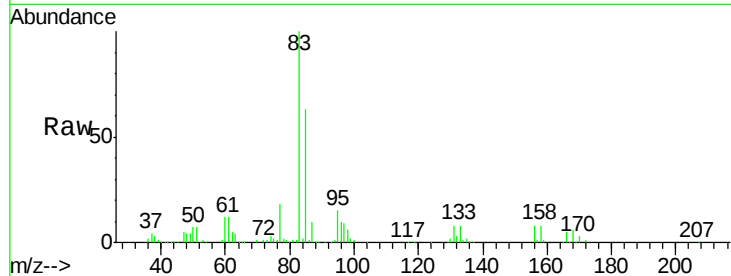
131 9.0 4.8 14.4

85 63.8 32.4 97.0

Manual Integrations
APPROVED

MMDadoda

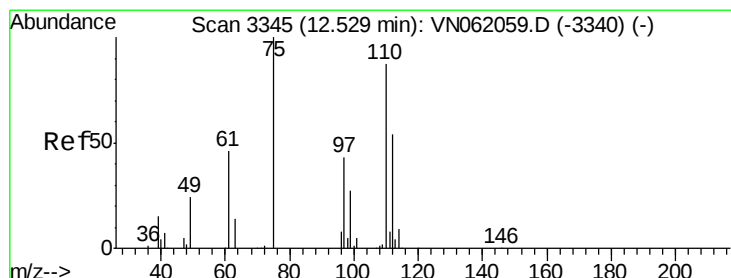
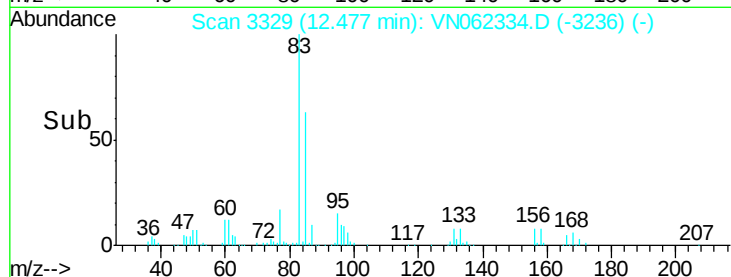
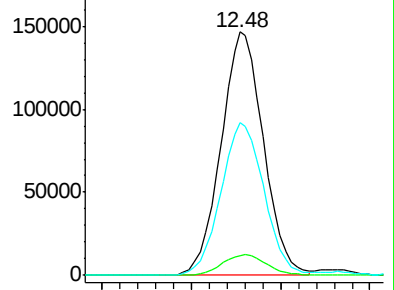
7/2/2020 5:03:27 PM



Abundance Ion 82.90 (82.60 to 83.60): VN062334.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062334.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062334.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 54.493 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062334.D

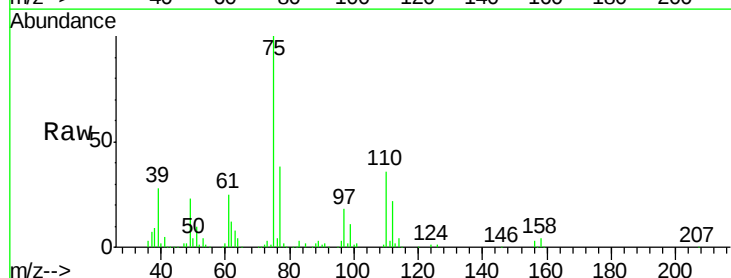
Acq: 2 Jul 2020 9:58

Tgt Ion: 75 Resp: 232376

Ion Ratio Lower Upper

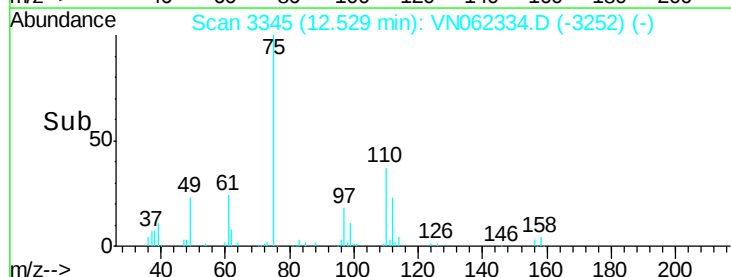
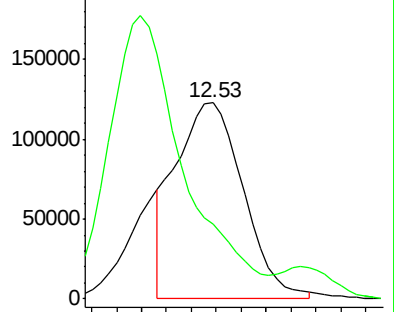
75 100

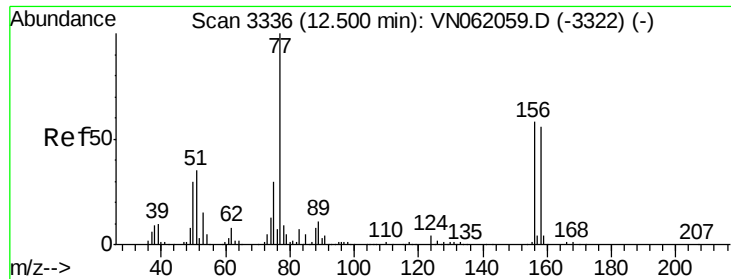
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062334.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062334.D (-3252) (-)





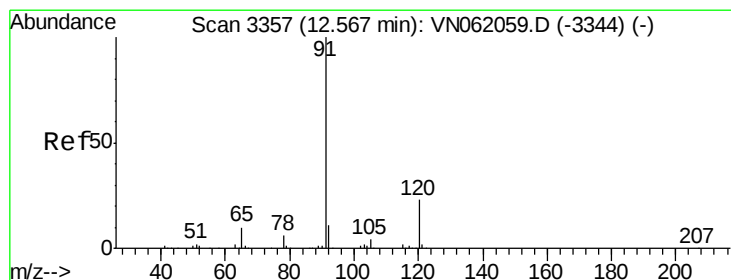
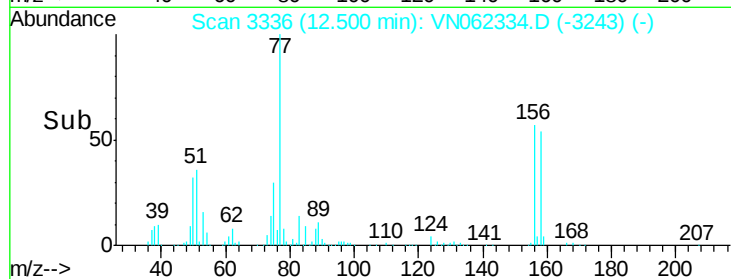
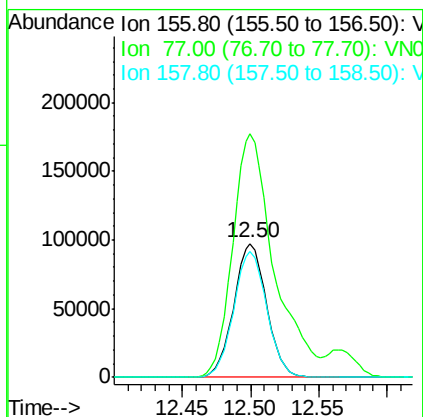
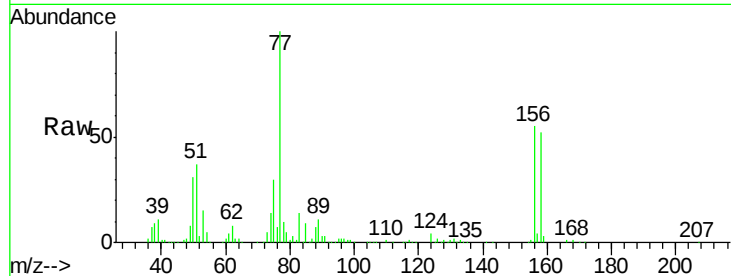
#77
Bromobenzene
Concen: 46.598 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	230.4	104.6	313.8	
158	95.3	48.0	144.0	

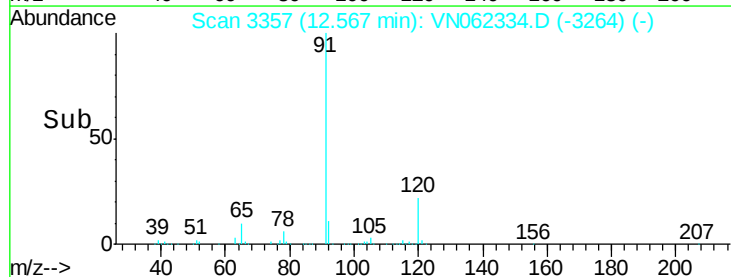
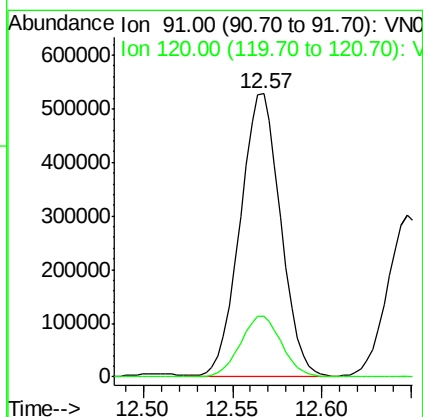
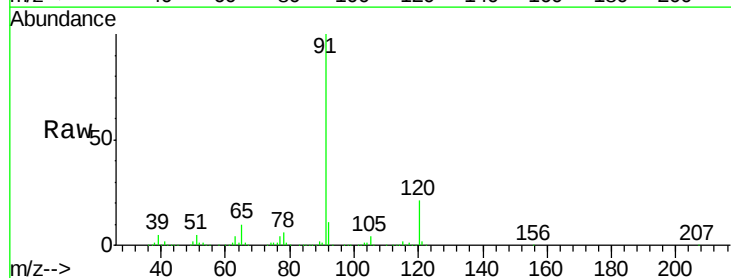
Manual Integrations
APPROVED

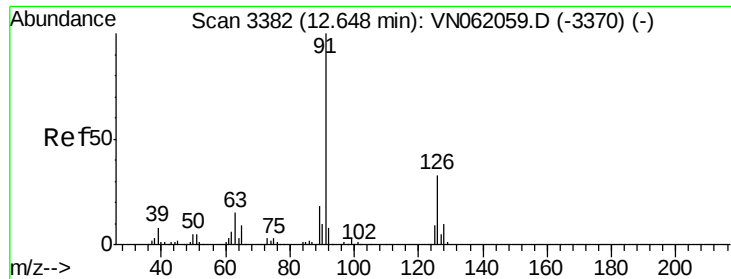
MMDadoda
7/2/2020 5:03:27 PM



#78
n-propylbenzene
Concen: 52.021 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.4	34.1	





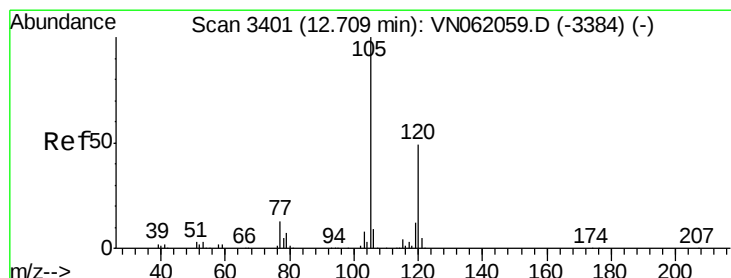
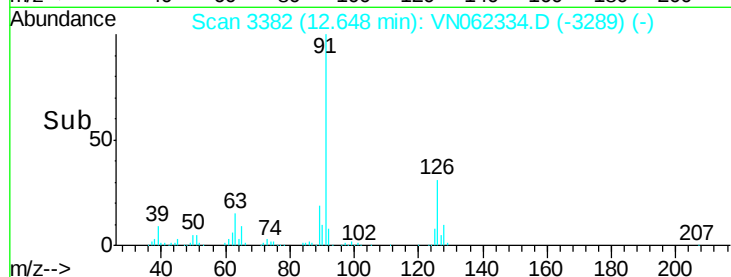
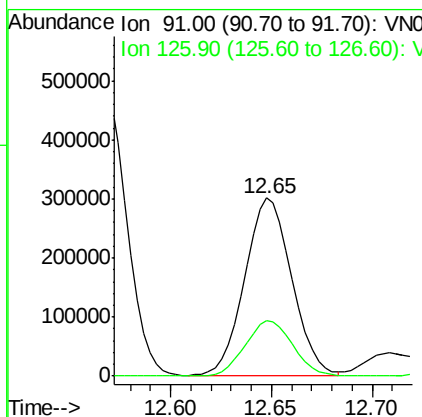
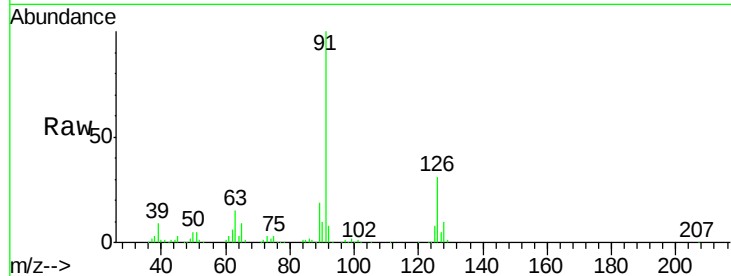
#79
 2-Chlorotoluene
 Concen: 50.461 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 489295
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.9 50.7

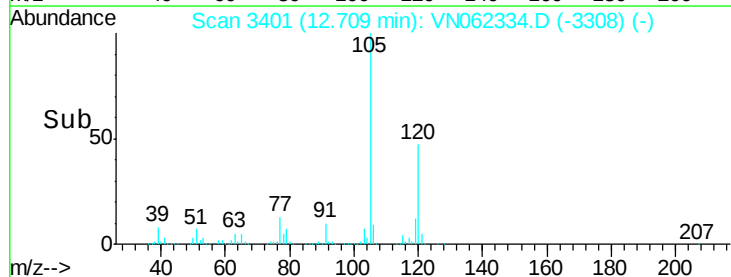
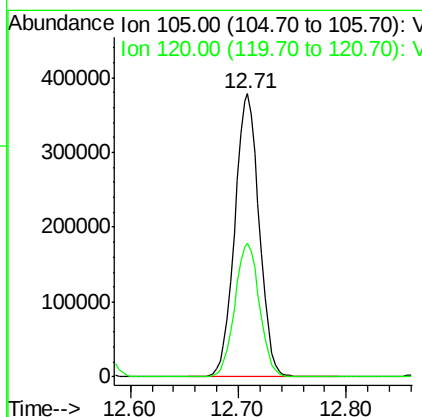
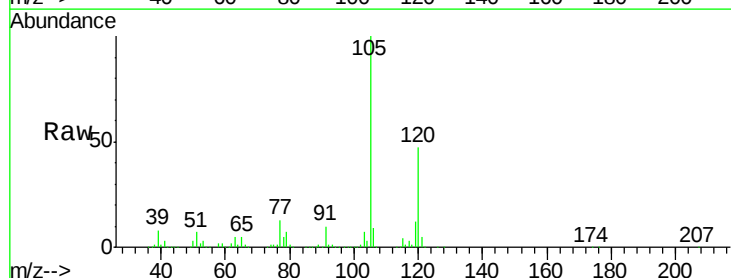
Manual Integrations
 APPROVED

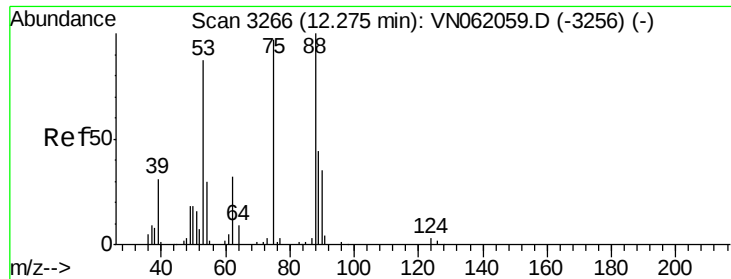
MMDadoda
 7/2/2020 5:03:27 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.364 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion: 105 Resp: 595227
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.6 74.0





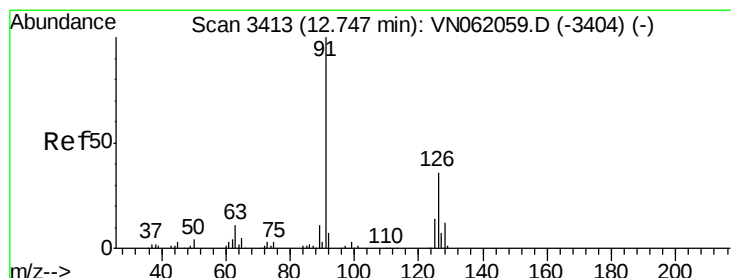
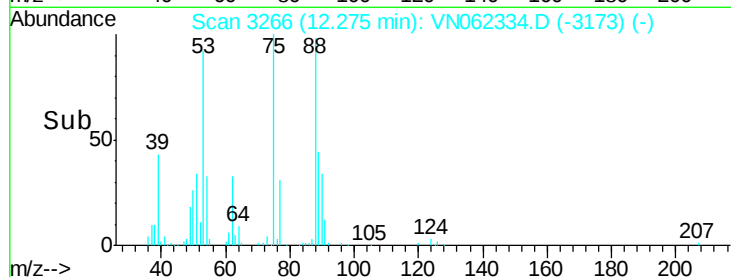
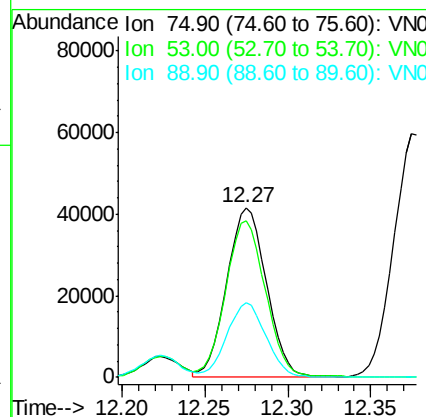
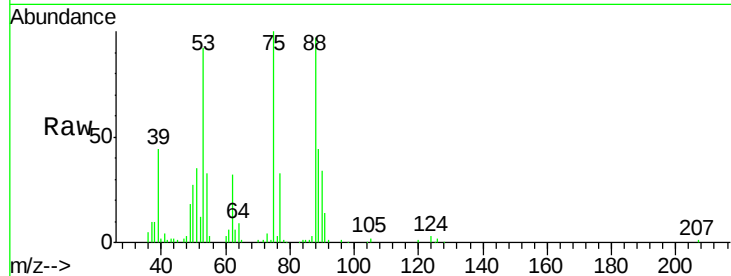
#81
trans-1,4-Dichloro-2-butene
Concen: 47.577 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	72.0	108.0
89	43.2	36.9	55.3

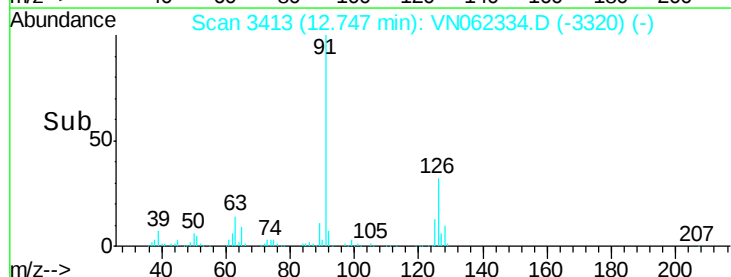
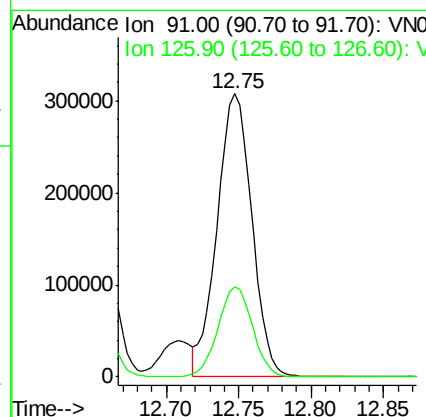
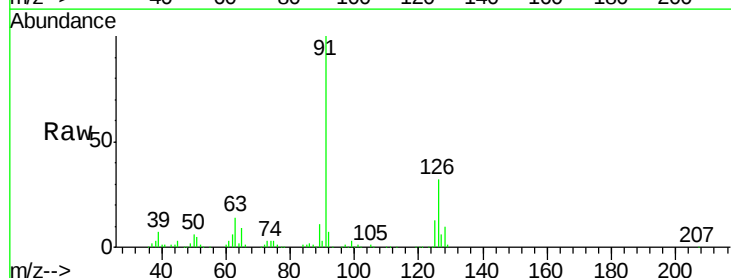
Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#82
4-Chlorotoluene
Concen: 51.136 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.7	50.1





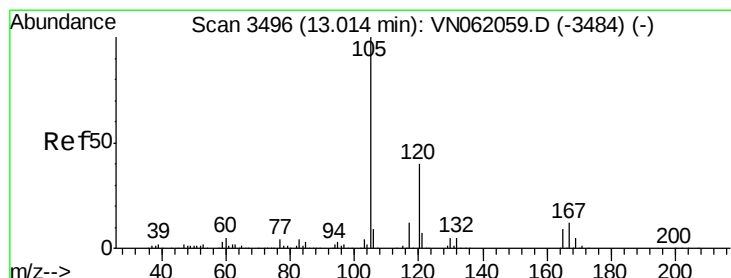
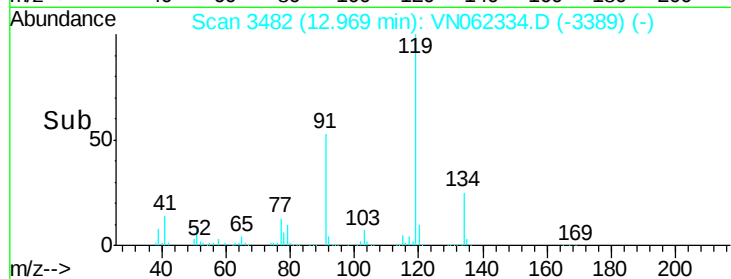
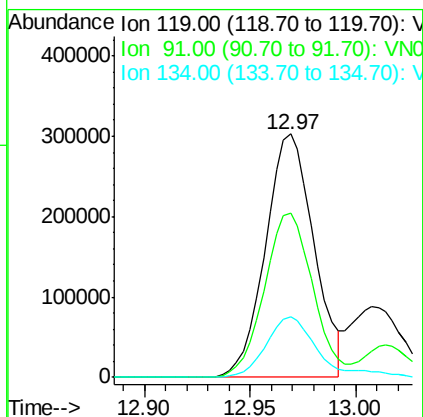
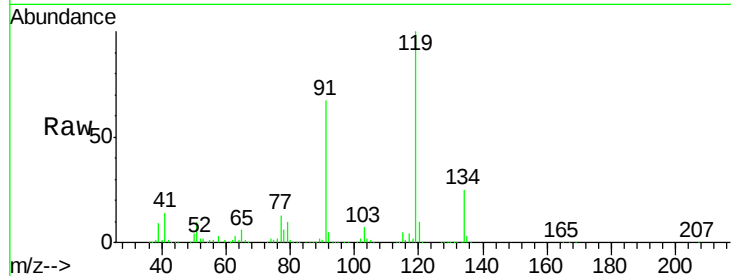
#83
tert-Butylbenzene
Concen: 49.702 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	31.7	95.1
134	26.8	13.1	39.1

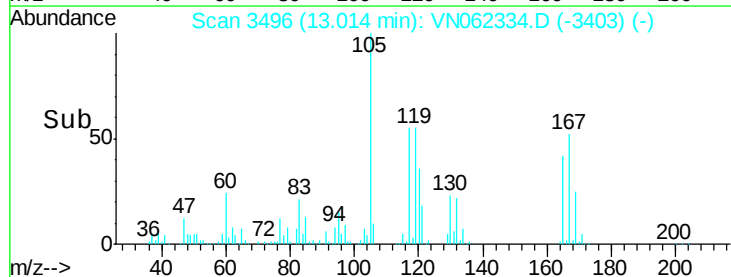
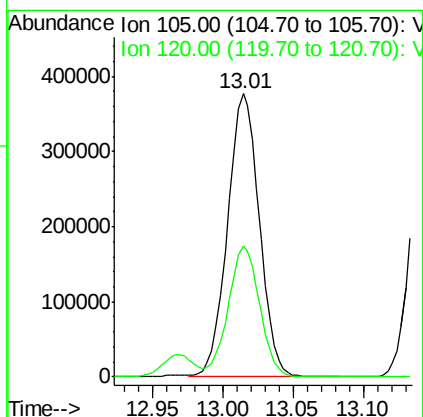
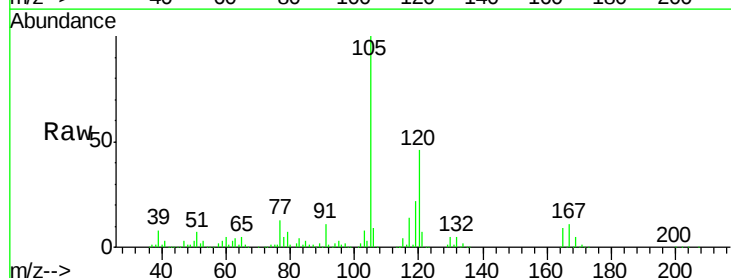
Manual Integrations
APPROVED

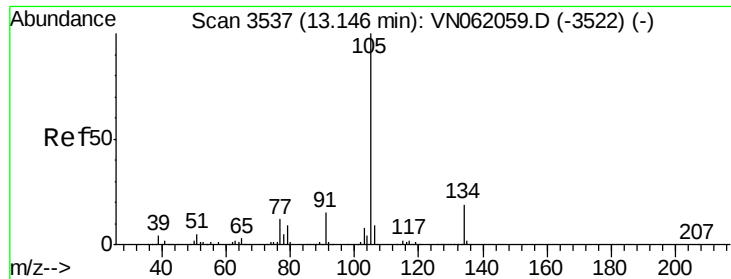
MMDadoda
7/2/2020 5:03:27 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.094 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.5





#85

sec-Butylbenzene

Concen: 52.722 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 677700

Ion Ratio Lower Upper

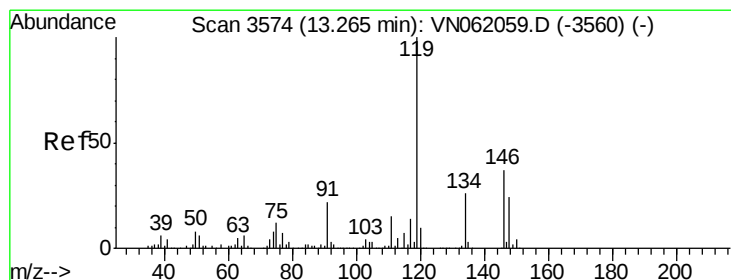
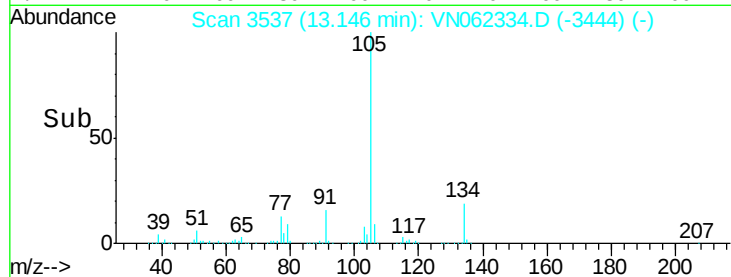
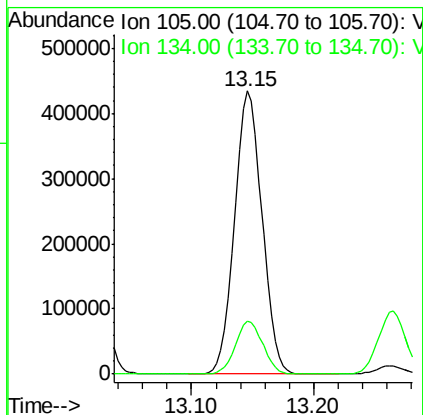
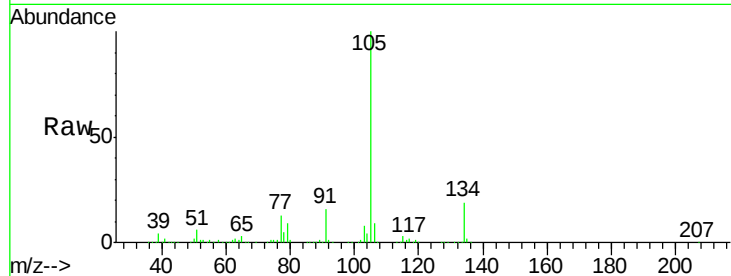
105 100

134 18.7 9.7 29.1

Manual Integrations
APPROVED

MMDadoda

7/2/2020 5:03:27 PM



#86

p-Isopropyltoluene

Concen: 52.539 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

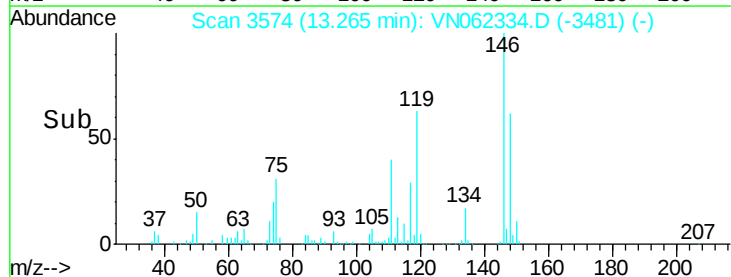
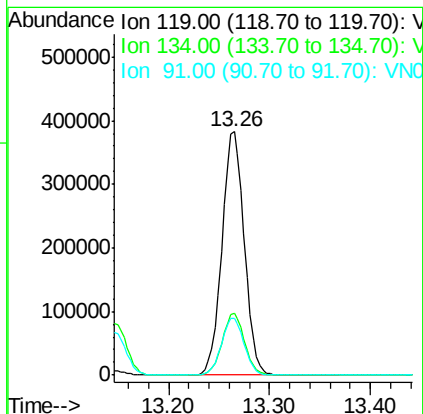
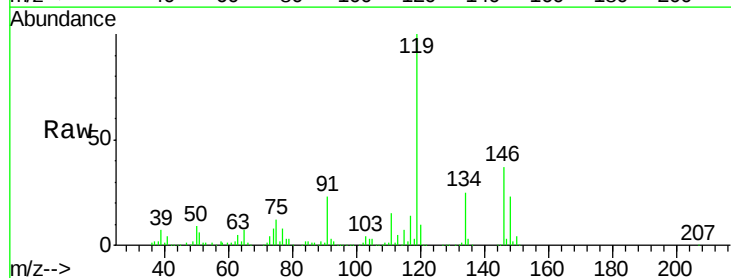
Tgt Ion:119 Resp: 591690

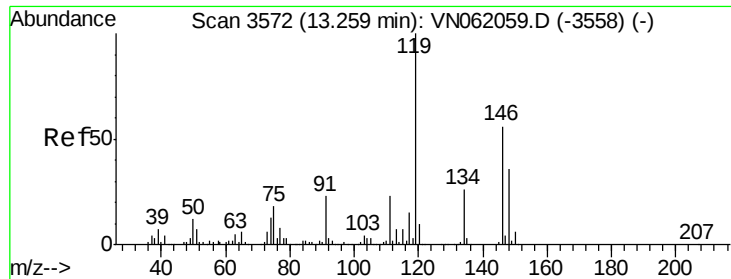
Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

91 24.0 11.3 33.8





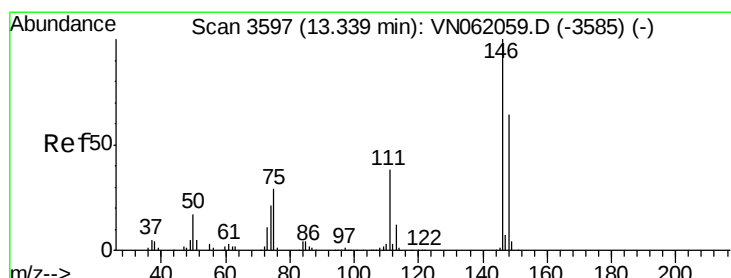
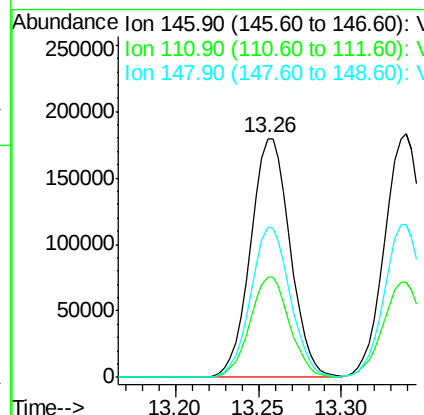
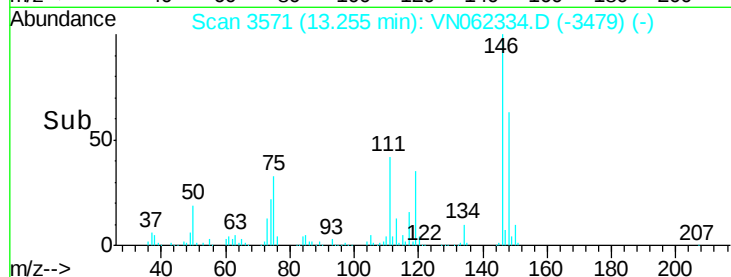
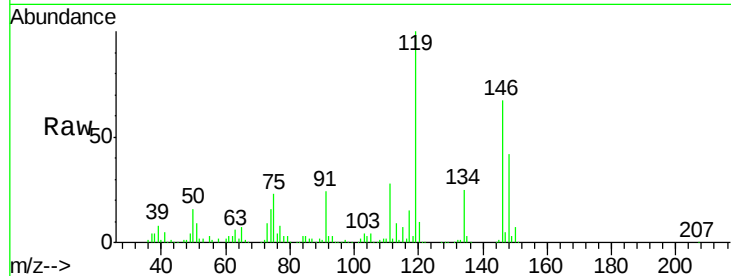
#87
 1,3-Dichlorobenzene
 Concen: 48.859 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	298677		
111	41.7	20.3	61.0	
148	62.6	31.8	95.3	

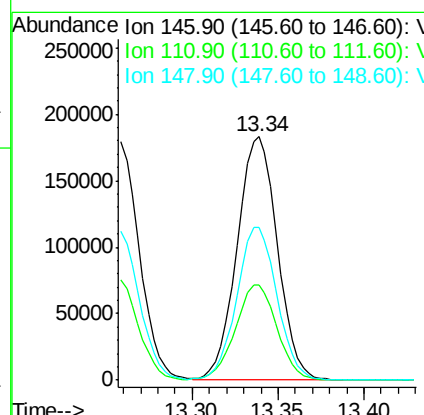
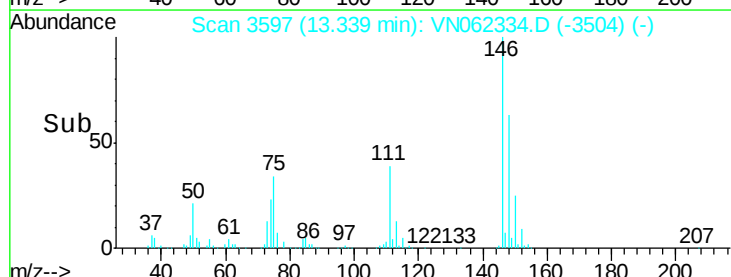
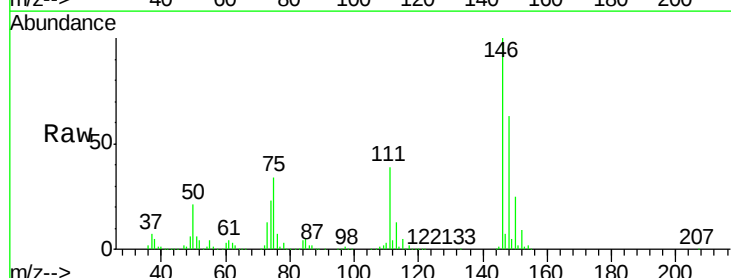
Manual Integrations
 APPROVED

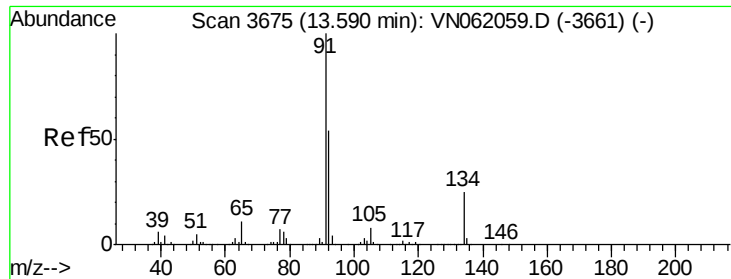
MMDadoda
 7/2/2020 5:03:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.319 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298173		
111	40.3	19.9	59.6	
148	63.5	31.9	95.9	





#89

n-Butylbenzene

Concen: 52.580 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

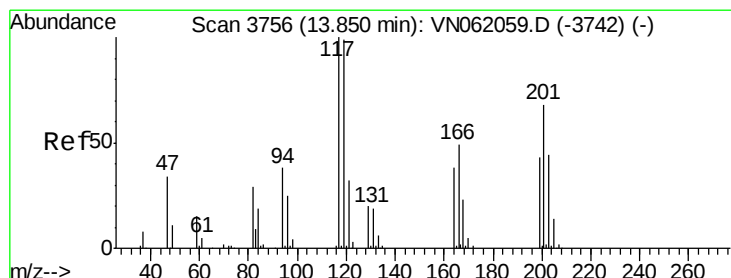
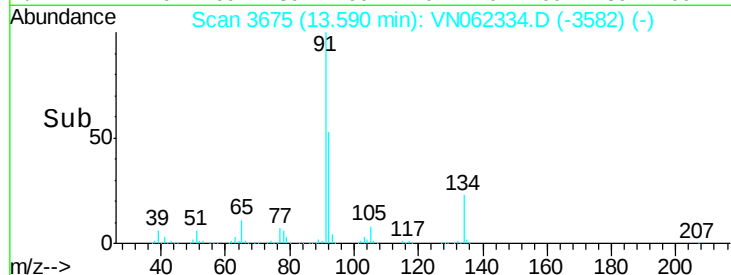
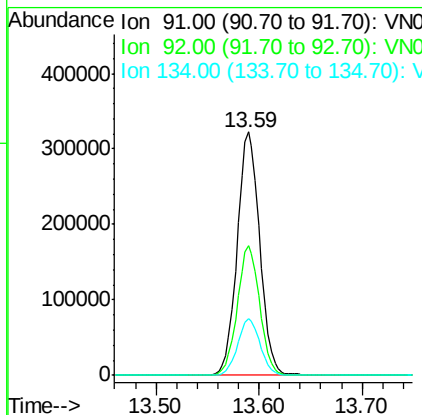
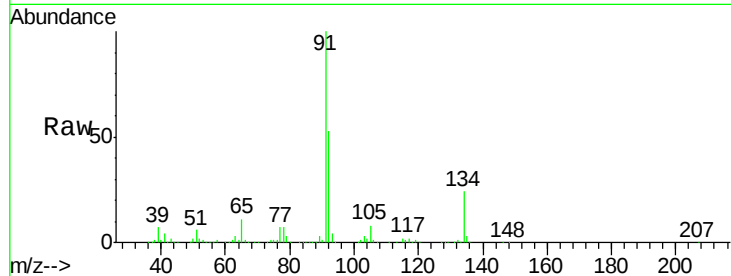
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	492299
Ion Ratio	Lower	Upper	
91	100		
92	52.9	26.6	79.7
134	23.2	12.3	36.9

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#90

Hexachloroethane

Concen: 51.584 ug/l

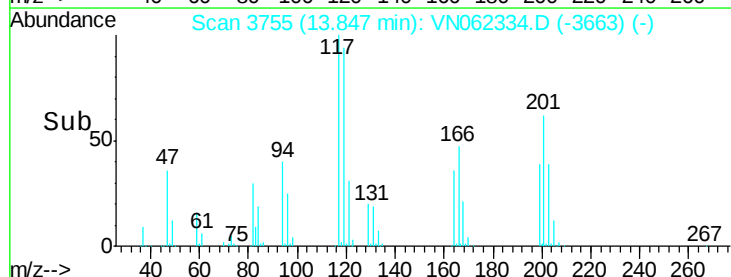
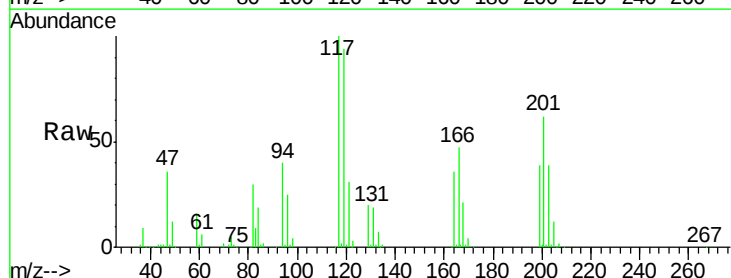
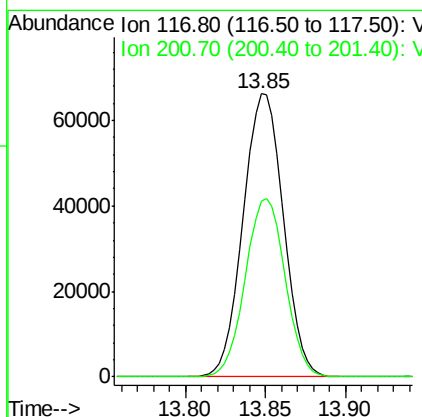
RT: 13.85 min Scan# 3755

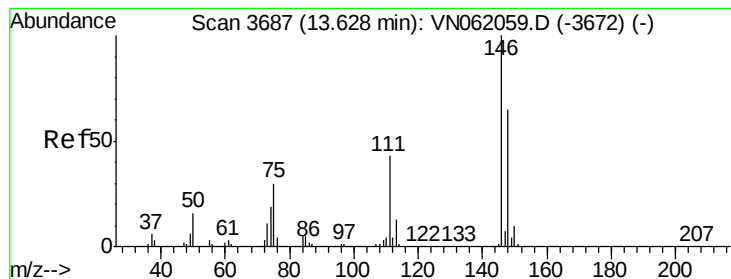
Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:	117	Resp:	113978
Ion Ratio	Lower	Upper	
117	100		
201	62.2	32.7	98.1





#91

1,2-Dichlorobenzene

Concen: 49.479 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Instrument :

MSVOA_N

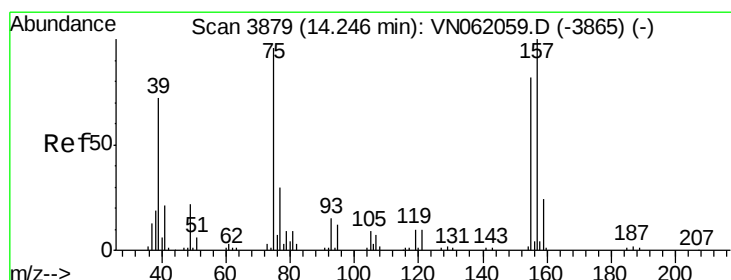
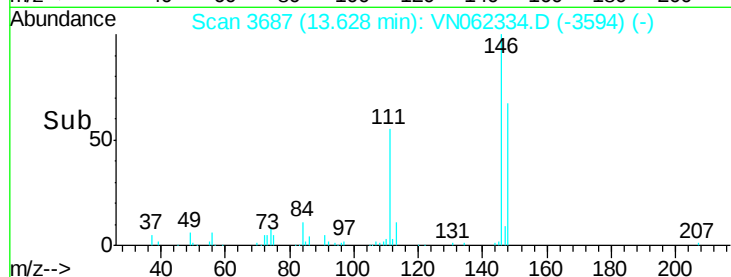
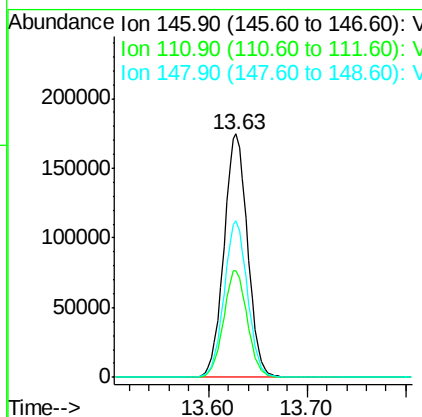
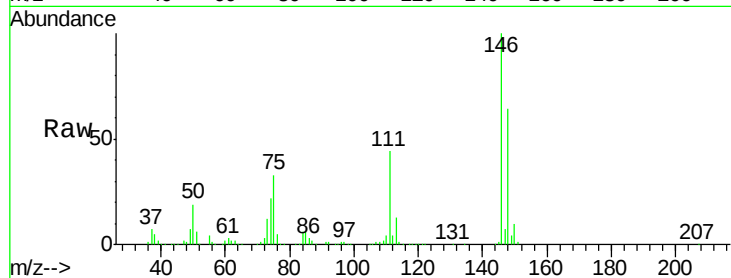
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	293305
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.2	63.6
148	63.8	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.412 ug/l

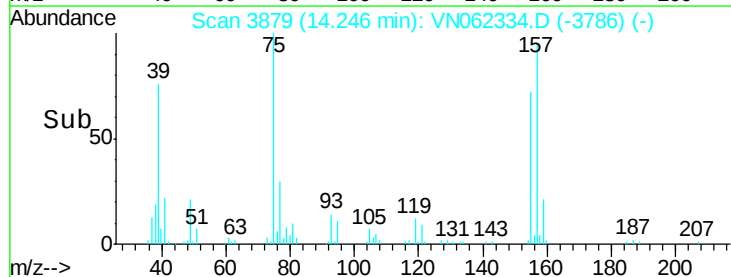
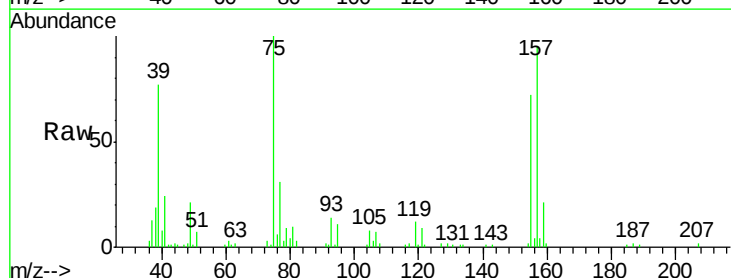
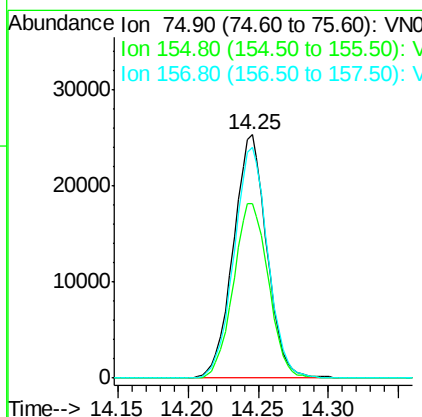
RT: 14.25 min Scan# 3879

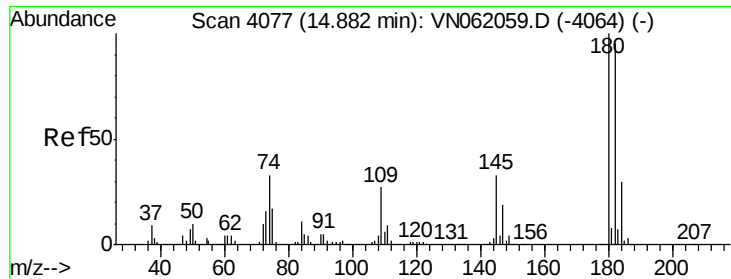
Delta R.T. -0.00 min

Lab File: VN062334.D

Acq: 2 Jul 2020 9:58

Tgt Ion:	75	Resp:	42168
Ion Ratio	Lower	Upper	
75	100		
155	74.7	40.8	122.4
157	95.5	51.4	154.3





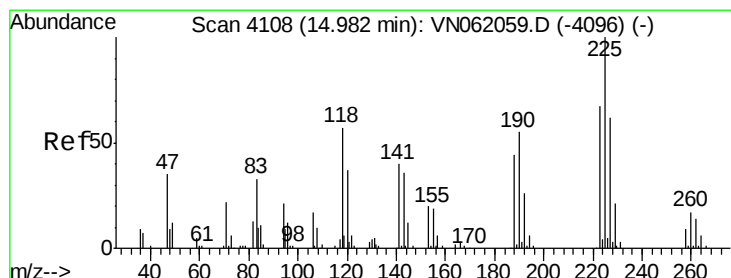
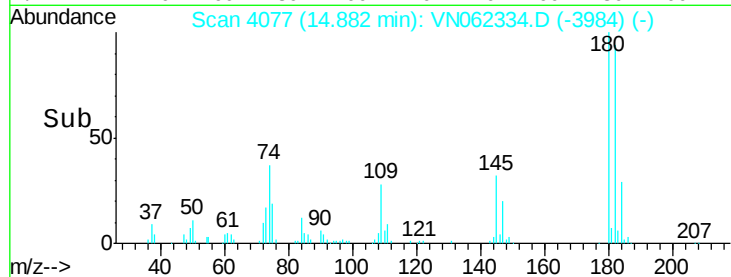
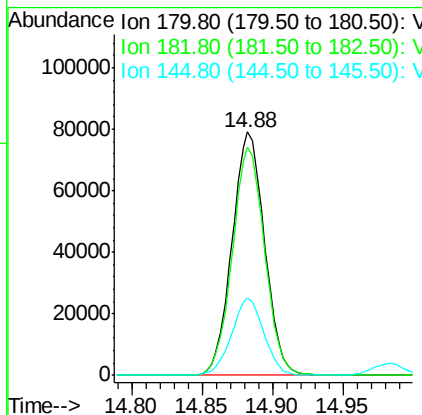
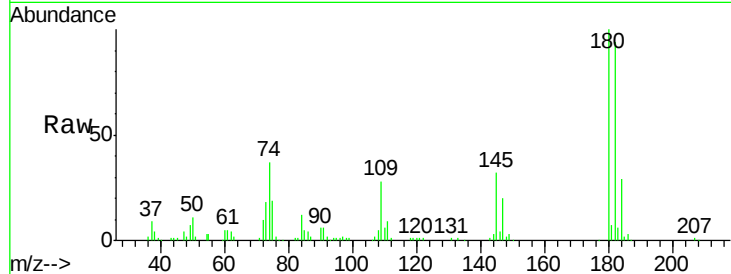
#93
 1,2,4-Trichlorobenzene
 Concen: 49.327 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127736		
182	93.2	48.0	144.2	
145	31.6	16.0	48.0	

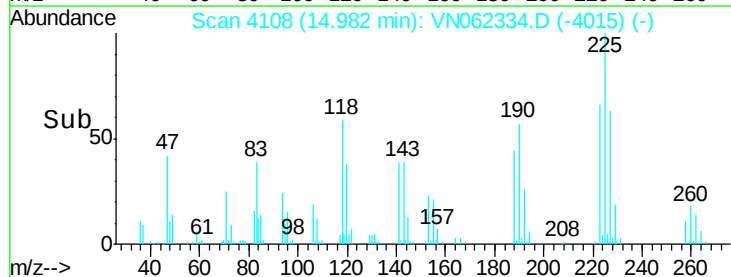
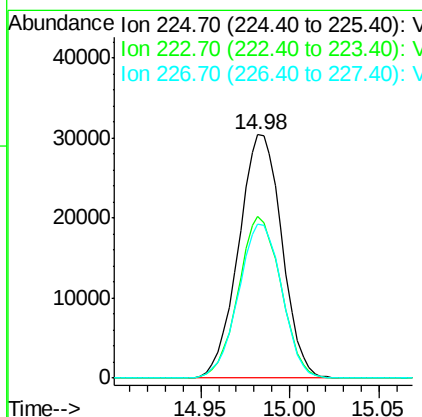
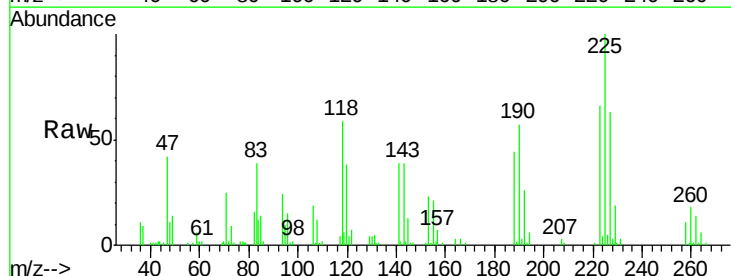
Manual Integrations
 APPROVED

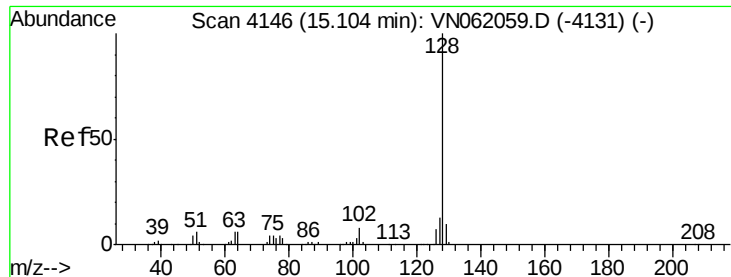
MMDadoda
 7/2/2020 5:03:27 PM



#94
 Hexachlorobutadiene
 Concen: 45.716 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062334.D
 Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51418		
223	65.1	32.9	98.7	
227	63.3	31.3	93.8	





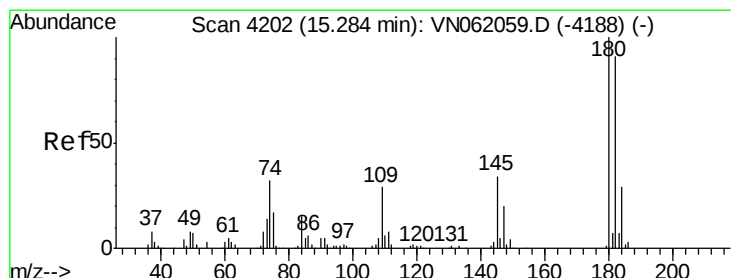
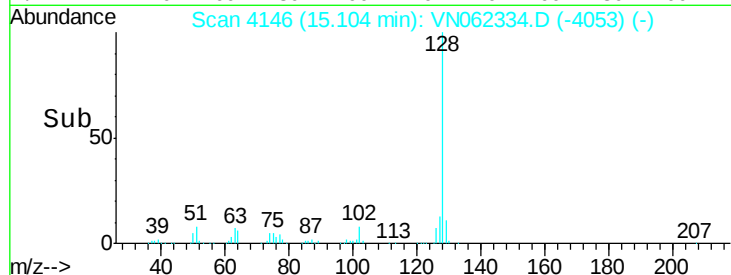
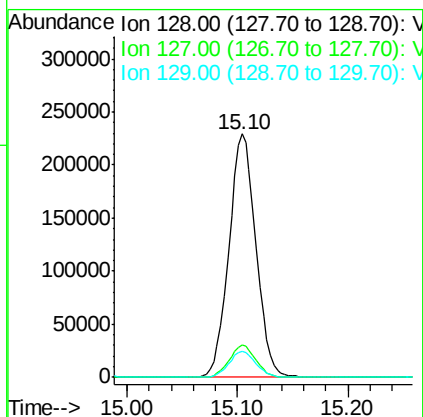
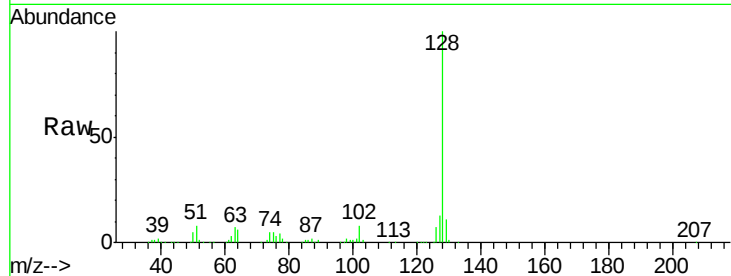
#95
Naphthalene
Concen: 45.394 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/2/2020 5:03:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.474 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062334.D
Acq: 2 Jul 2020 9:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.8	140.4
145	34.6	16.4	49.2

