

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060978.D
 Acq On : 15 Apr 2020 21:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:31 AM

Quant Time: Apr 16 08:02:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	131268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	223536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	204742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	94466	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.56	113	70482	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
50) Toluene-d8	10.08	98	278223	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.39	95	105321	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	52894	41.644	ug/l	99
3) Chloromethane	2.04	50	101178	42.652	ug/l	99
4) Vinyl Chloride	2.17	62	81101	43.710	ug/l	100
5) Bromomethane	2.54	94	41059	51.262	ug/l	97
6) Chloroethane	2.68	64	51702	48.373	ug/l	98
7) Trichlorofluoromethane	3.00	101	110192	48.211	ug/l	97
8) Diethyl Ether	3.38	74	48047	52.329	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	65843	49.716	ug/l	99
10) Methyl Iodide	3.92	142	48124	40.836	ug/l	99
11) Tert butyl alcohol	4.72	59	79814	301.164	ug/l	99
12) 1,1-Dichloroethene	3.72	96	66252	46.616	ug/l	95
13) Acrolein	3.57	56	86171	293.379	ug/l	100
14) Allyl chloride	4.29	41	127413	50.973	ug/l	95
15) Acrylonitrile	4.94	53	224047	287.493	ug/l	99
16) Acetone	3.78	43	179602	281.371	ug/l	99
17) Carbon Disulfide	4.03	76	174651	40.406	ug/l	100
18) Methyl Acetate	4.28	43	109154	60.753	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	252646	51.705	ug/l	97
20) Methylene Chloride	4.52	84	79012	50.319	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	71749	47.368	ug/l	94
22) Diisopropyl ether	5.91	45	296306	56.109	ug/l	98
23) Vinyl Acetate	5.86	43	1209519	280.709	ug/l	99
24) 1,1-Dichloroethane	5.82	63	152159	52.853	ug/l	100
25) 2-Butanone	6.80	43	301876	292.262	ug/l	98
26) 2,2-Dichloropropane	6.79	77	113438	50.081	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	87341	50.742	ug/l	97
28) Bromochloromethane	7.17	49	75744	54.991	ug/l	96
29) Tetrahydrofuran	7.18	42	204935	280.420	ug/l	97
30) Chloroform	7.35	83	143910	52.144	ug/l	99
31) Cyclohexane	7.63	56	134113	46.208	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	121633	51.123	ug/l	99
36) 1,1-Dichloropropene	7.77	75	107771	49.790	ug/l	99
37) Ethyl Acetate	6.89	43	127521	54.524	ug/l	99
38) Carbon Tetrachloride	7.75	117	96463	49.724	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060978.D
 Acq On : 15 Apr 2020 21:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:31 AM

Quant Time: Apr 16 08:02:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	122570	47.651	ug/l	96
40) Benzene	8.02	78	329792	50.472	ug/l	99
41) Methacrylonitrile	7.14	41	54742m	54.844	ug/l	
42) 1,2-Dichloroethane	8.10	62	116157	52.017	ug/l	99
43) Isopropyl Acetate	8.14	43	212417	55.071	ug/l	99
44) Trichloroethene	8.81	130	79884	48.497	ug/l	100
45) 1,2-Dichloropropane	9.10	63	93523	54.243	ug/l	98
46) Dibromomethane	9.19	93	53875	51.686	ug/l	99
47) Bromodichloromethane	9.38	83	115157	53.165	ug/l	99
48) Methyl methacrylate	9.18	41	94658	55.120	ug/l	98
49) 1,4-Dioxane	9.18	88	25889	1268.304	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	638560	290.930	ug/l	99
52) Toluene	10.14	92	198292	50.249	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	131241	52.748	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	141855	51.970	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	80383	52.948	ug/l	100
56) Ethyl methacrylate	10.42	69	131359	55.492	ug/l	99
57) 1,3-Dichloropropane	10.70	76	139786	53.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	300168	255.136	ug/l	98
59) 2-Hexanone	10.74	43	463551	293.184	ug/l	99
60) Dibromochloromethane	10.89	129	84190	53.687	ug/l	100
61) 1,2-Dibromoethane	10.99	107	80446	52.697	ug/l	100
64) Tetrachloroethene	10.62	164	72785	45.176	ug/l	99
65) Chlorobenzene	11.42	112	204971	50.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	77057	52.436	ug/l	97
67) Ethyl Benzene	11.50	91	386503	51.206	ug/l	100
68) m/p-Xylenes	11.61	106	278957	99.455	ug/l	97
69) o-Xylene	11.94	106	136007	50.795	ug/l	99
70) Styrene	11.96	104	227942	52.051	ug/l	99
71) Bromoform	12.12	173	60677	49.689	ug/l #	100
73) Isopropylbenzene	12.24	105	368653	49.290	ug/l	99
74) N-amyl acetate	12.06	43	183627	53.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119993	53.052	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	113226m	52.651	ug/l	
77) Bromobenzene	12.52	156	86879	48.206	ug/l	97
78) n-propylbenzene	12.58	91	439538	49.743	ug/l	98
79) 2-Chlorotoluene	12.67	91	257714	48.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	311338	49.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	41233	49.244	ug/l	99
82) 4-Chlorotoluene	12.77	91	267165	49.684	ug/l	99
83) tert-Butylbenzene	12.99	119	262939	49.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	311382	49.589	ug/l	99
85) sec-Butylbenzene	13.17	105	358107	50.614	ug/l	99
86) p-Isopropyltoluene	13.28	119	316703	49.779	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	156939	49.373	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	157793	49.410	ug/l	99
89) n-Butylbenzene	13.61	91	296751	51.661	ug/l	100
90) Hexachloroethane	13.87	117	50573	54.685	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	153634	50.548	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24415	51.545	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
Data File : VN060978.D
Acq On : 15 Apr 2020 21:31
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM

Quant Time: Apr 16 08:02:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	95928	51.396	ug/l	99
94) Hexachlorobutadiene	15.01	225	45699	49.945	ug/l	99
95) Naphthalene	15.13	128	285636	50.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	92743	50.447	ug/l	100

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

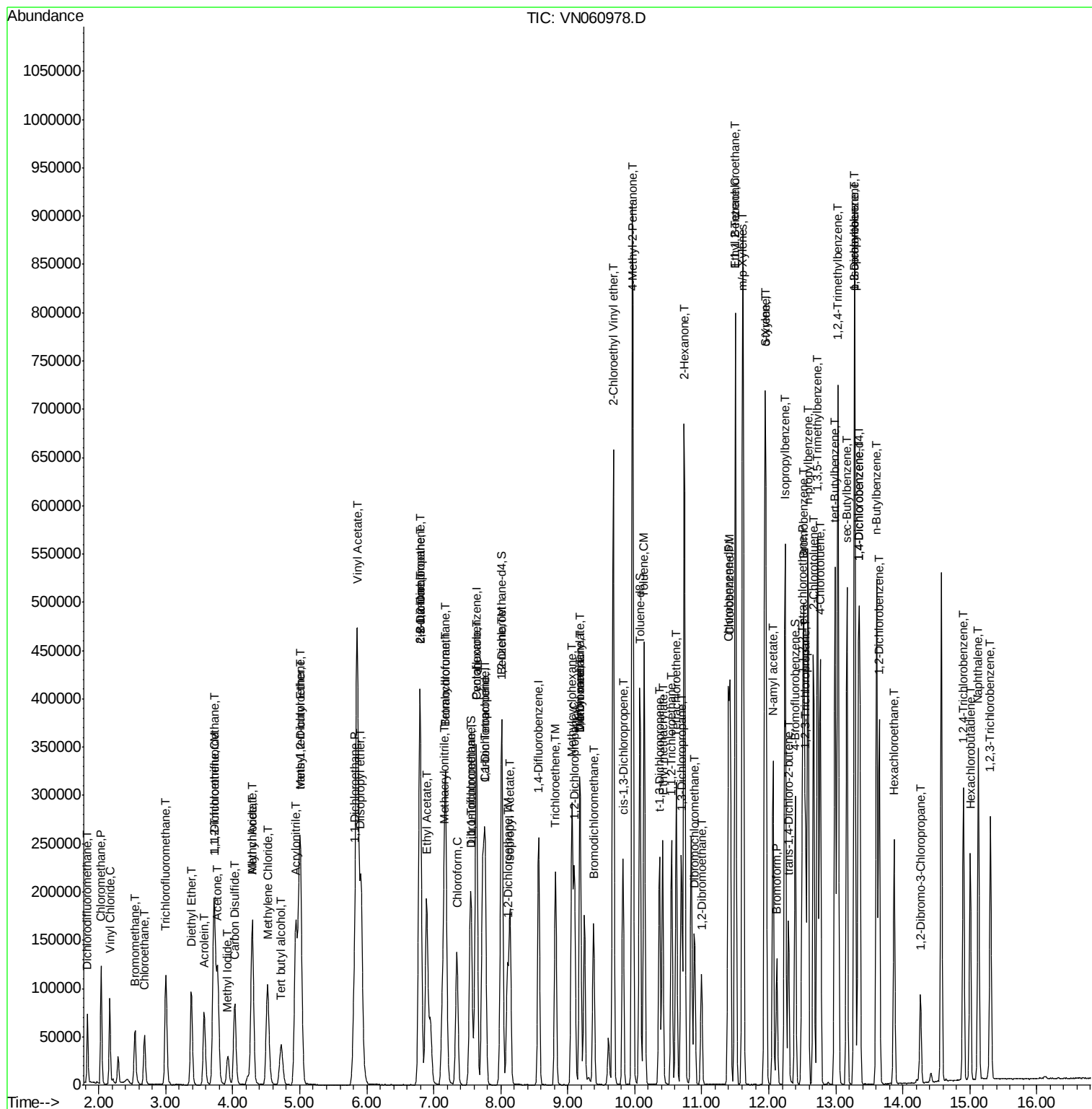
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041520\
Data File : VN060978.D
Acq On : 15 Apr 2020 21:31
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM

Quant Time: Apr 16 08:02:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 131268

Ion Ratio Lower Upper

168 100

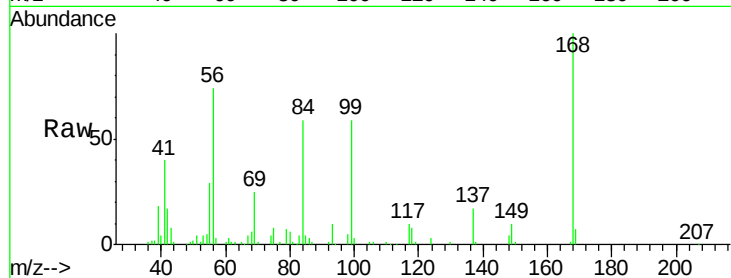
99 59.1 44.0 66.0

Manual Integrations

APPROVED

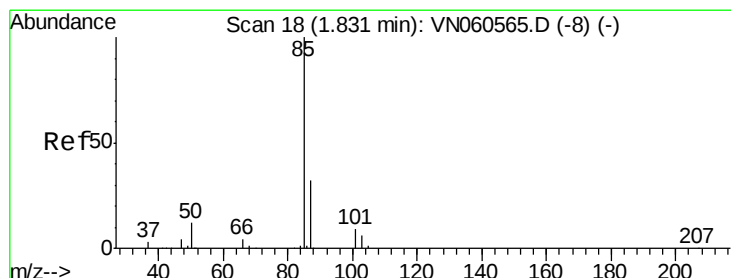
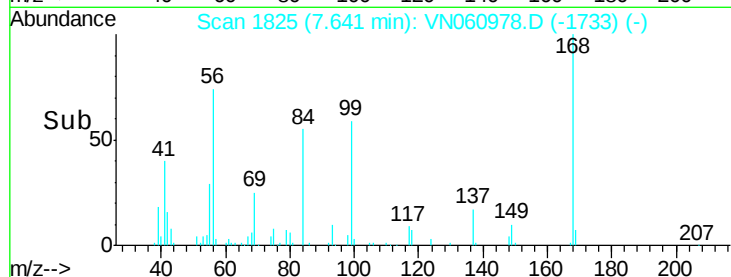
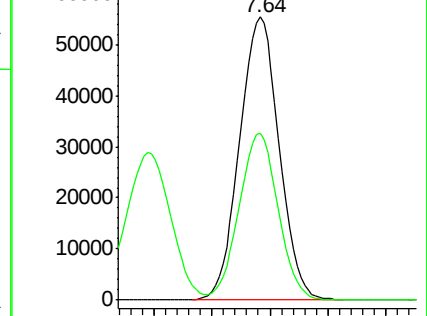
MMDadoda

4/16/2020 11:15:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.644 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060978.D

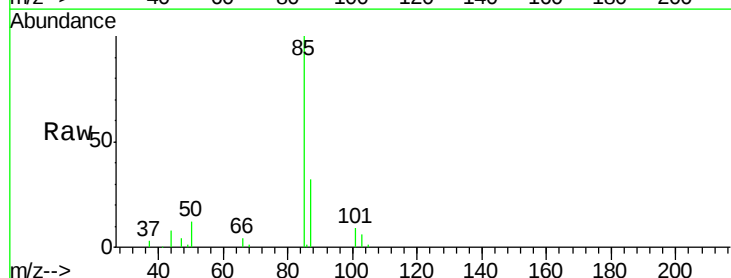
Acq: 15 Apr 2020 21:31

Tgt Ion: 85 Resp: 52894

Ion Ratio Lower Upper

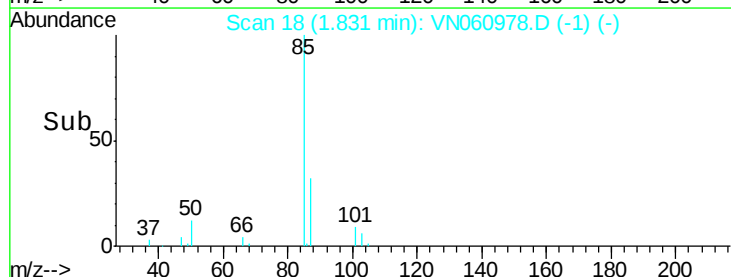
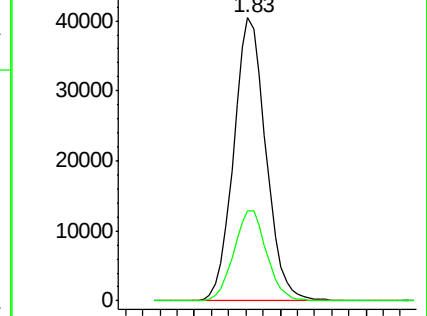
85 100

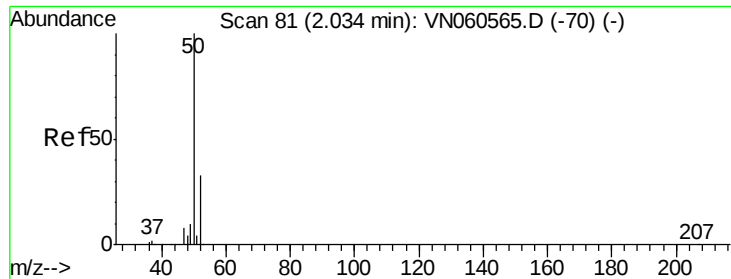
87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.652 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 101178

Ion Ratio Lower Upper

50 100

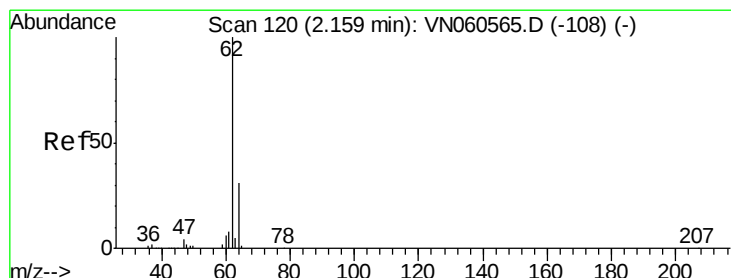
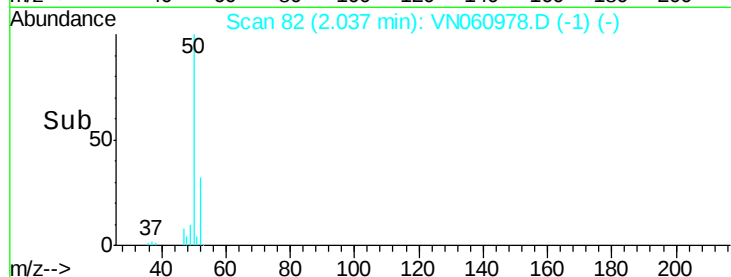
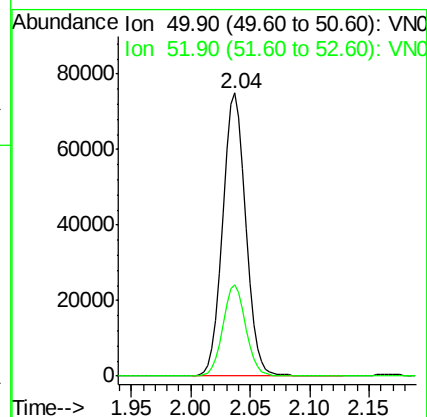
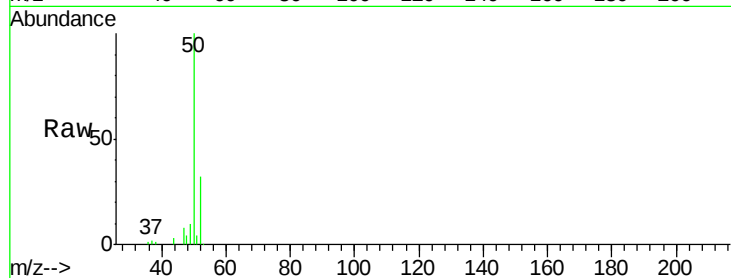
52 32.4 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

4/16/2020 11:15:31 AM



#4

Vinyl Chloride

Concen: 43.710 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060978.D

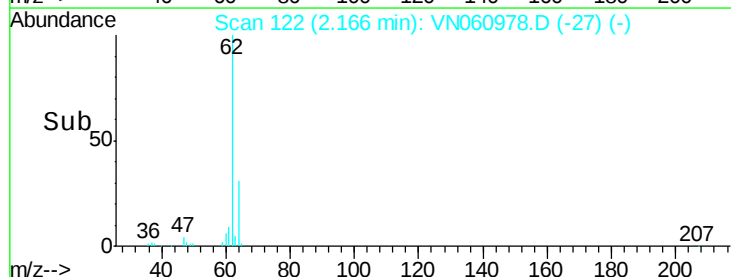
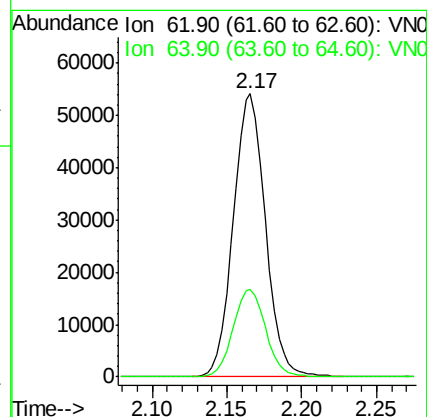
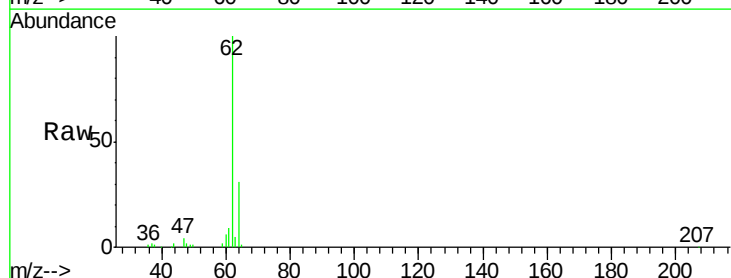
Acq: 15 Apr 2020 21:31

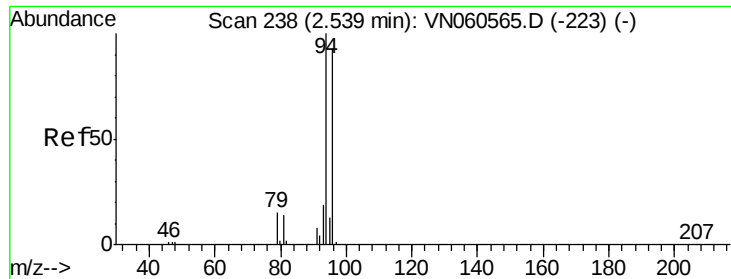
Tgt Ion: 62 Resp: 81101

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 51.262 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 41059

Ion Ratio Lower Upper

94 100

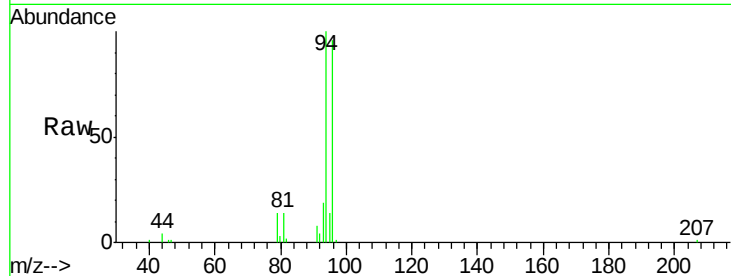
96 96.1 74.6 112.0

Manual Integrations

APPROVED

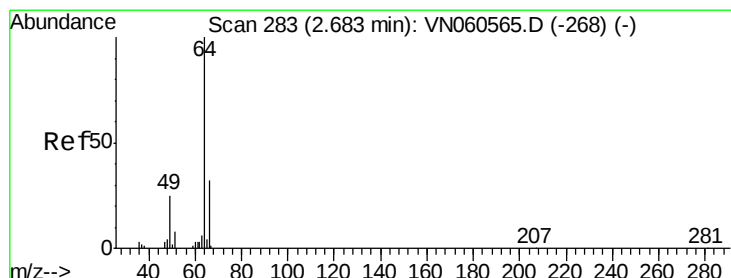
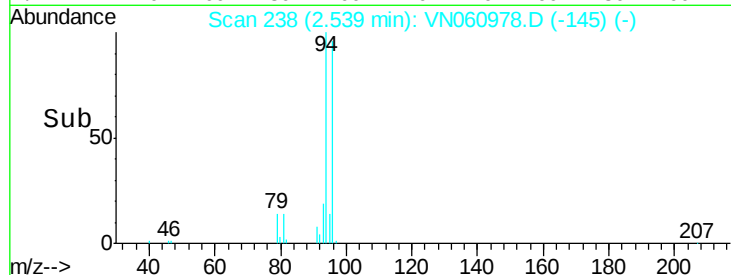
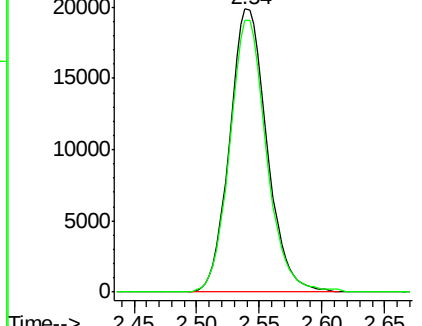
MMDadoda

4/16/2020 11:15:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VN060978.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060978.D (-145) (-)



#6

Chloroethane

Concen: 48.373 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060978.D

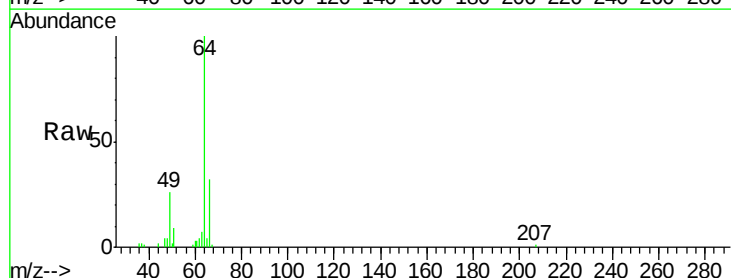
Acq: 15 Apr 2020 21:31

Tgt Ion: 64 Resp: 51702

Ion Ratio Lower Upper

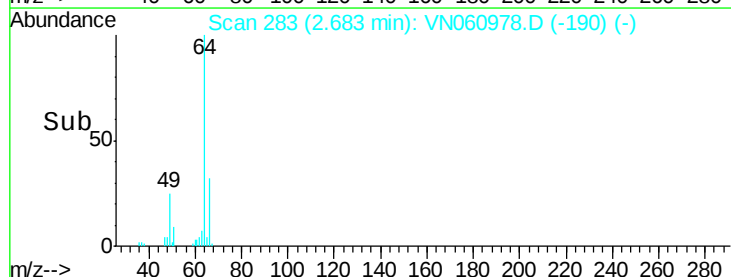
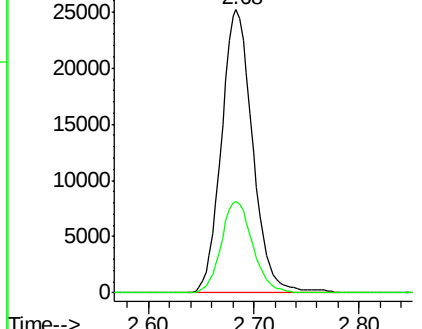
64 100

66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060978.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060978.D (-190) (-)





#7

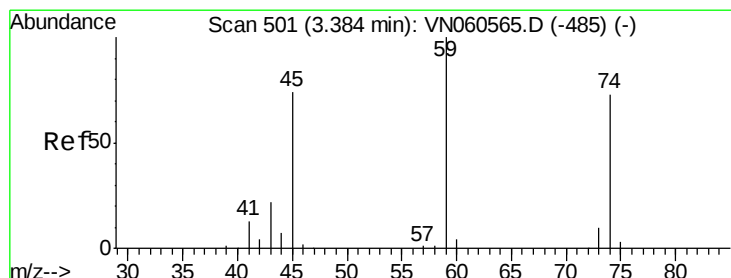
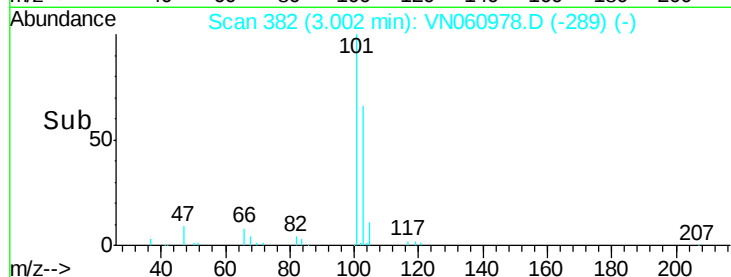
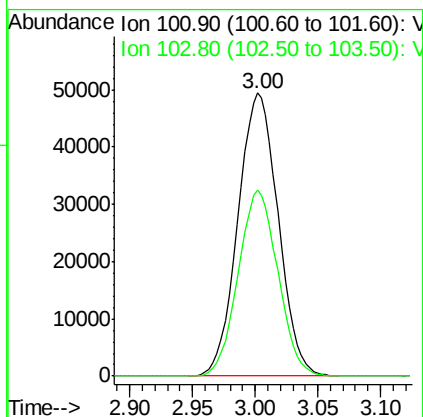
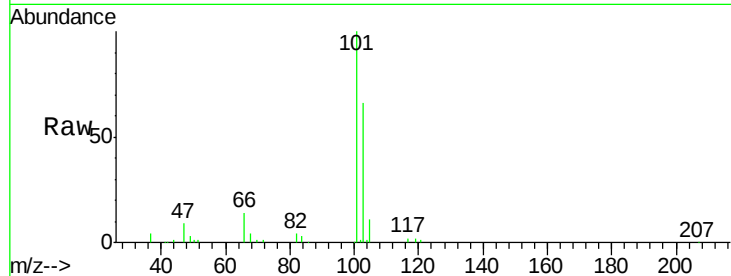
Trichlorofluoromethane
Concen: 48.211 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.6	76.0

Manual Integrations
APPROVED

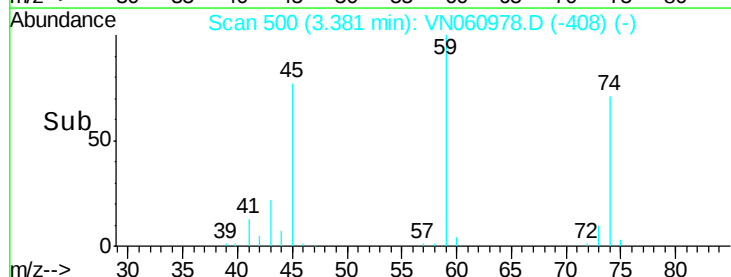
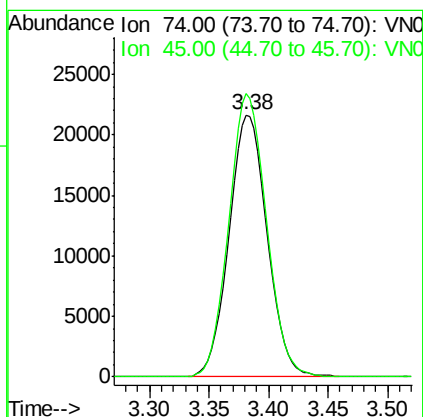
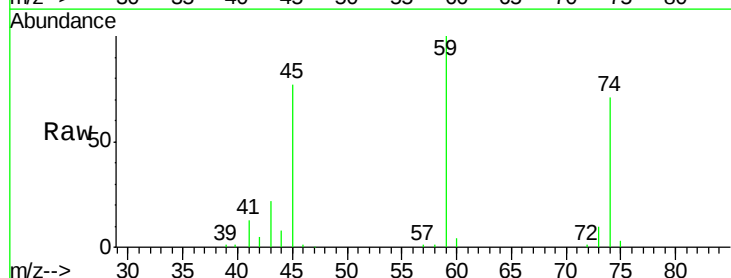
MMDadoda
4/16/2020 11:15:31 AM



#8

Diethyl Ether
Concen: 52.329 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.716 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

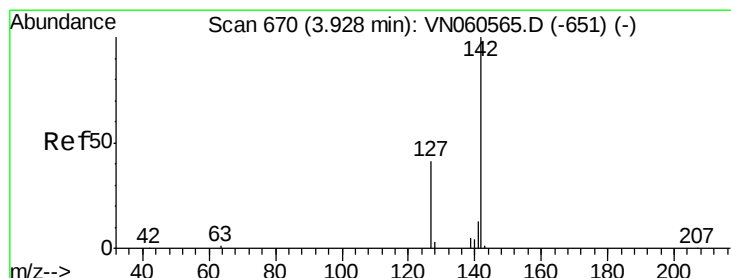
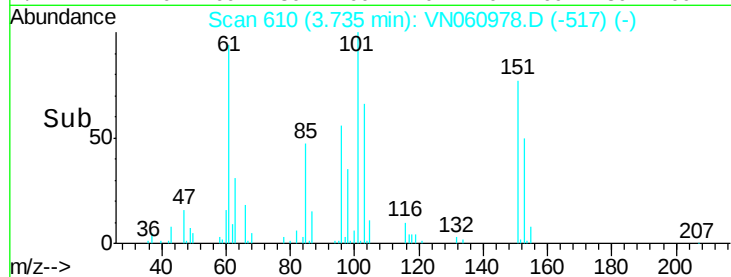
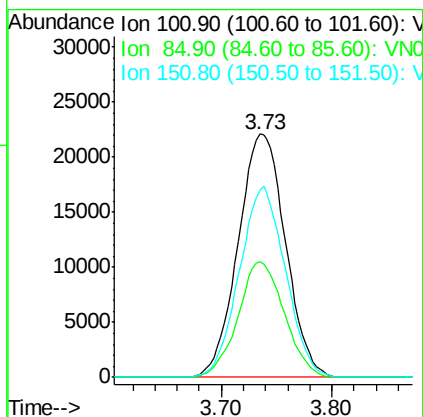
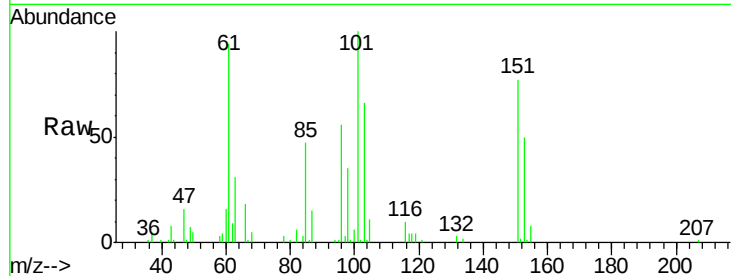
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	65843
Ion Ratio	Lower	Upper	
101	100		
85	46.3	35.6	53.4
151	76.2	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#10

Methyl Iodide

Concen: 40.836 ug/l

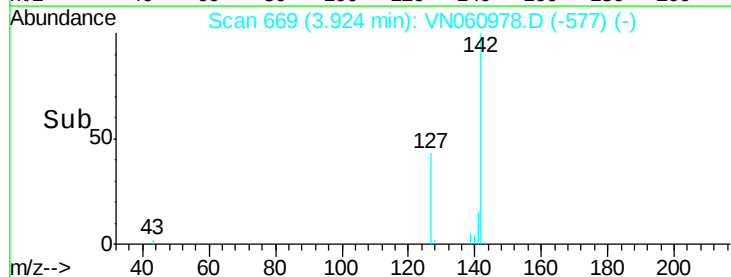
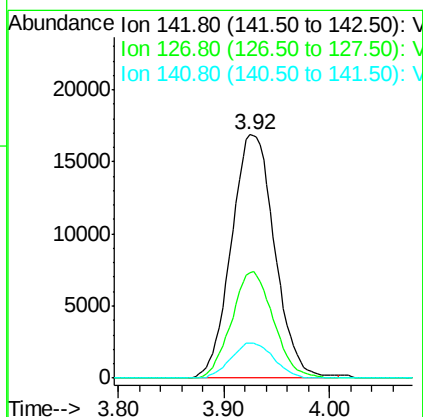
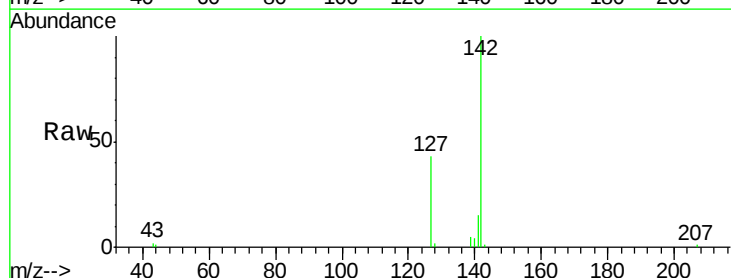
RT: 3.92 min Scan# 669

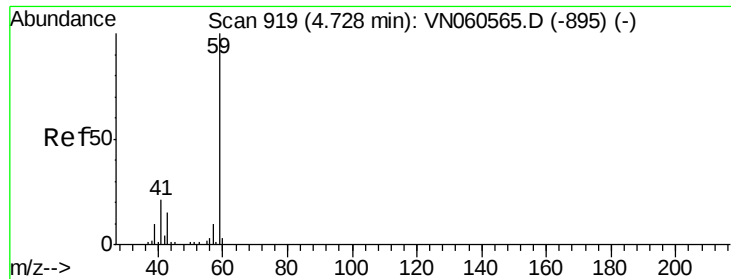
Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion:	142	Resp:	48124
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.5	50.3
141	14.2	11.0	16.6





#11

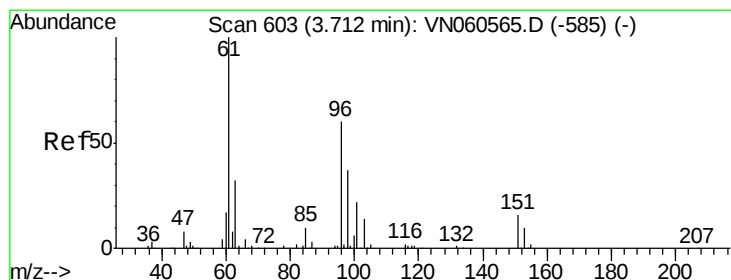
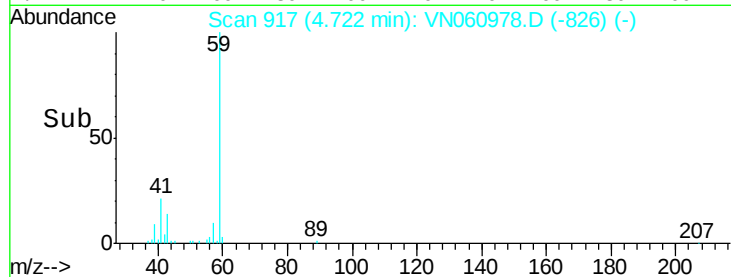
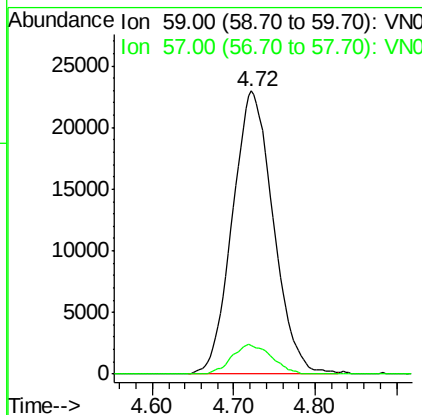
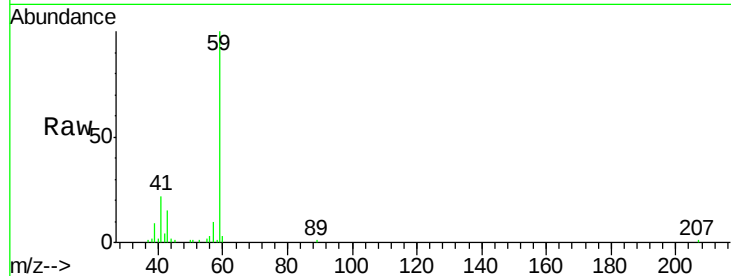
Tert butyl alcohol
Concen: 301.164 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
APPROVED

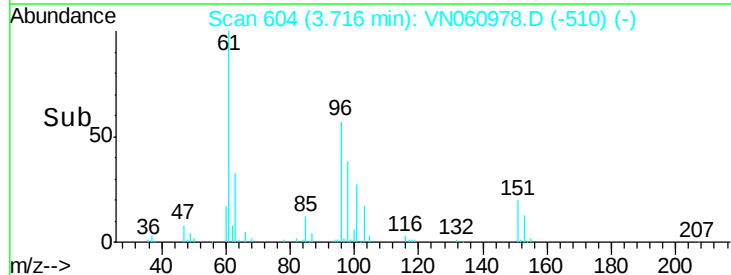
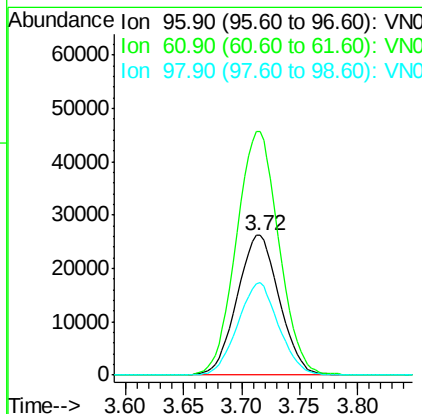
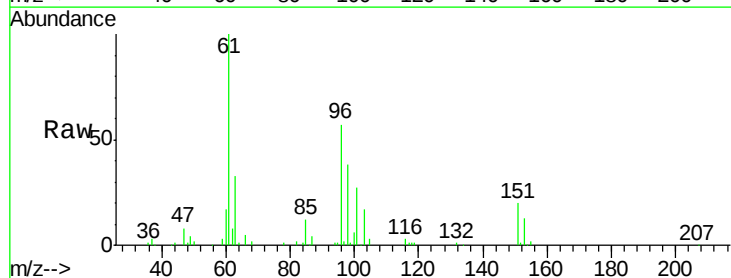
MMDadoda
4/16/2020 11:15:31 AM

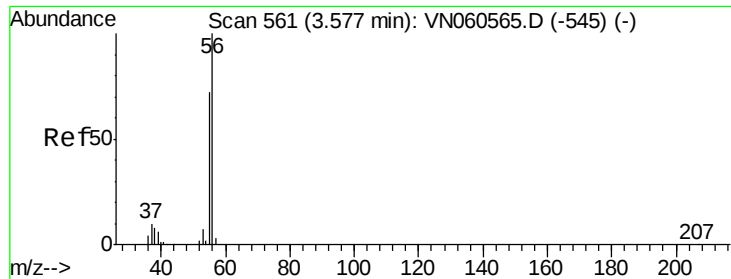


#12

1,1-Dichloroethene
Concen: 46.616 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.1	134.1	201.1
98	66.2	49.9	74.9





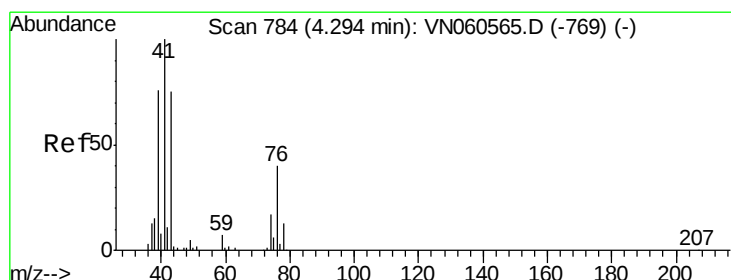
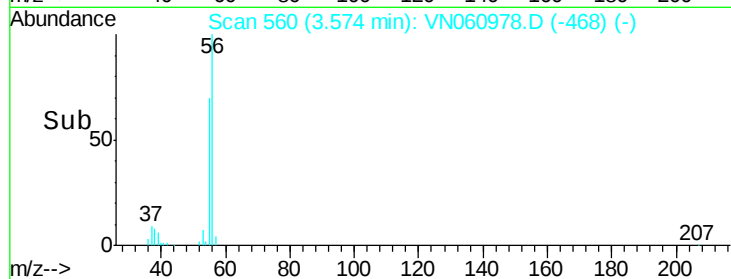
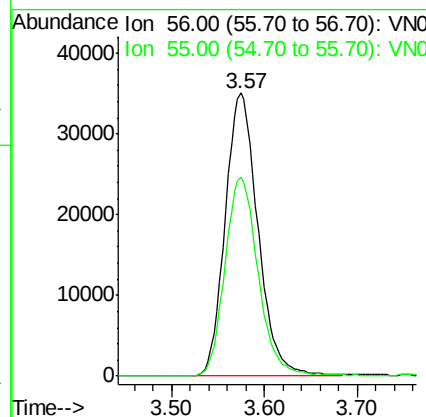
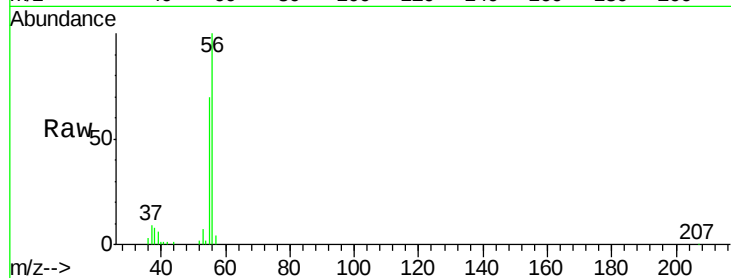
#13
Acrolein
Concen: 293.379 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	86171
Ion Ratio	Lower	Upper	
56	100		
55	70.6	56.7	85.1

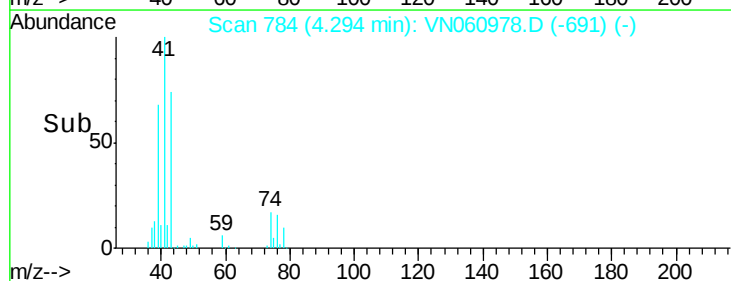
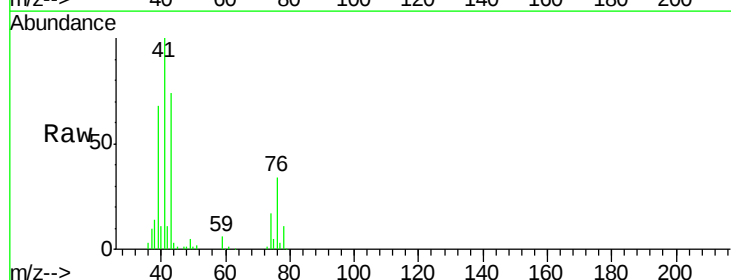
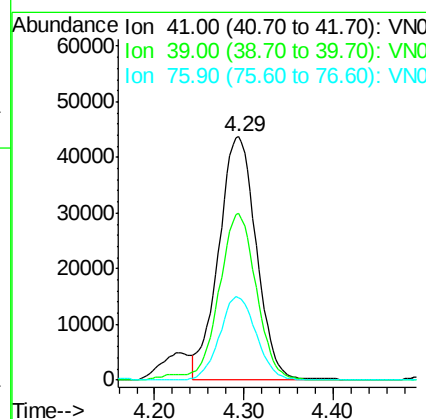
Manual Integrations
APPROVED

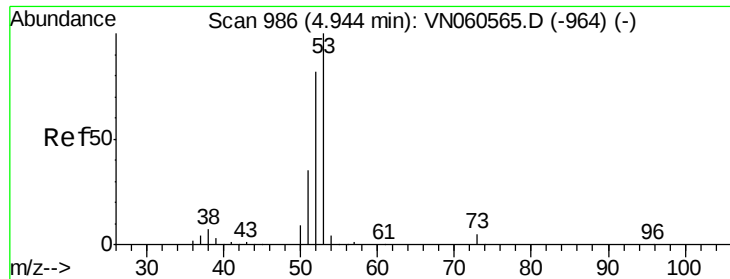
MMDadoda
4/16/2020 11:15:31 AM



#14
Allyl chloride
Concen: 50.973 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	41	Resp	127413
Ion Ratio	Lower	Upper	
41	100		
39	67.7	57.8	86.8
76	33.4	28.6	43.0





#15

Acrylonitrile

Concen: 287.493 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

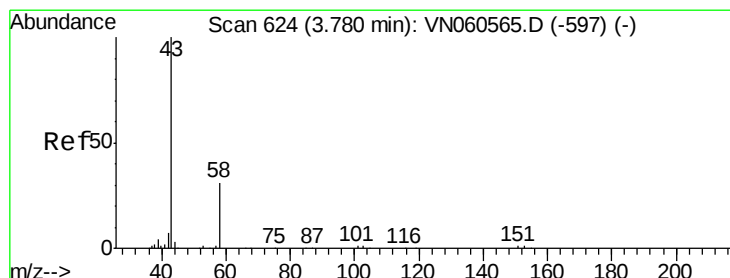
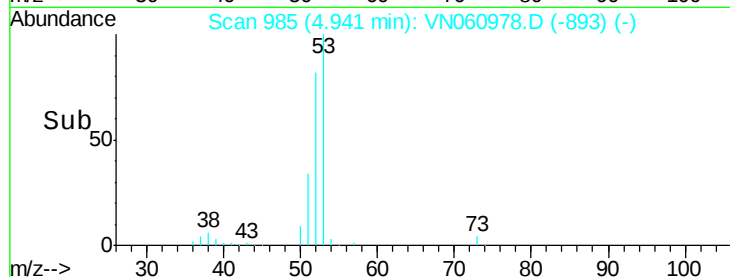
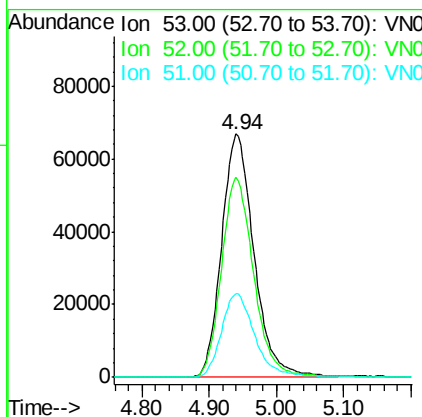
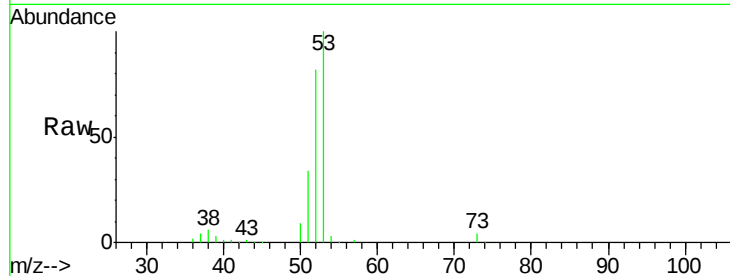
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	224047
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.4
51	35.4	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#16

Acetone

Concen: 281.371 ug/l

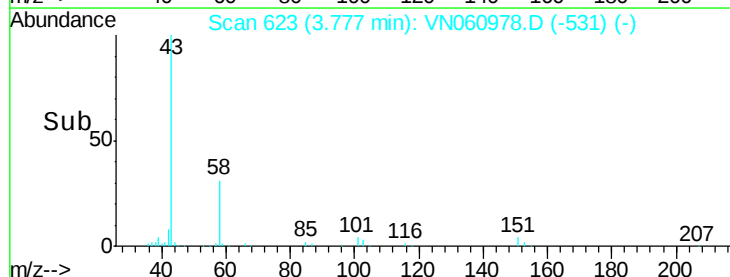
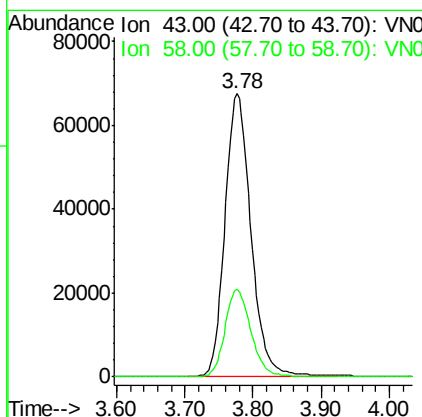
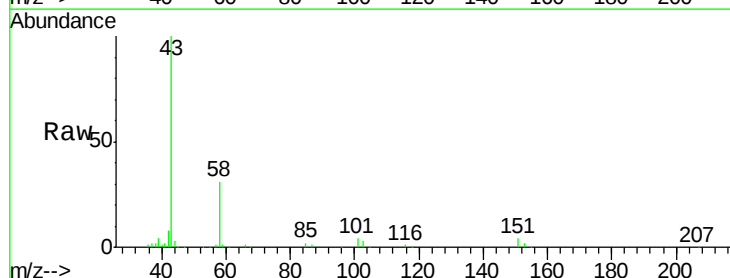
RT: 3.78 min Scan# 623

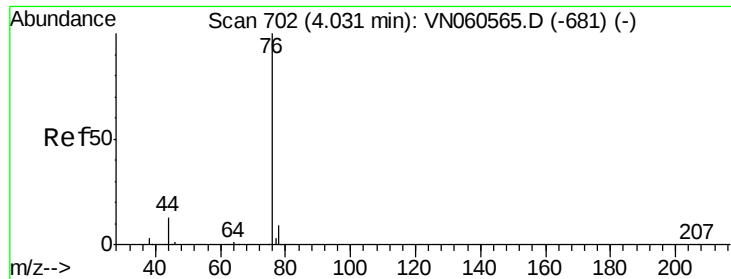
Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion:	43	Resp:	179602
Ion Ratio	Lower	Upper	
43	100		
58	30.8	25.1	37.7





#17

Carbon Disulfide

Concen: 40.406 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 174651

Ion Ratio Lower Upper

76 100

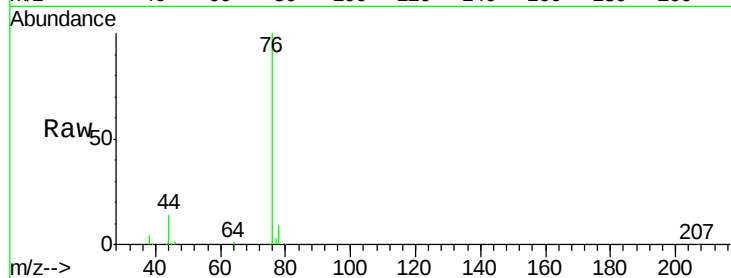
78 9.1 7.2 10.8

Manual Integrations

APPROVED

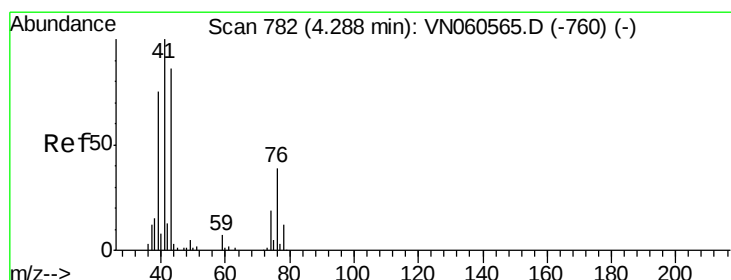
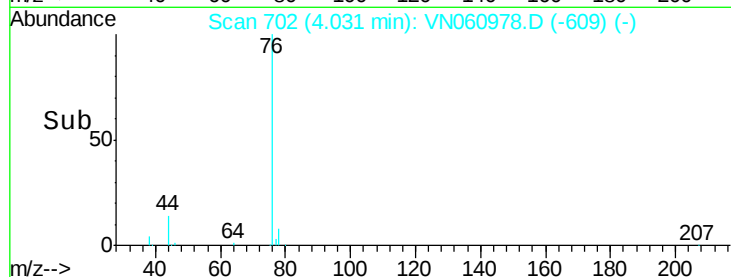
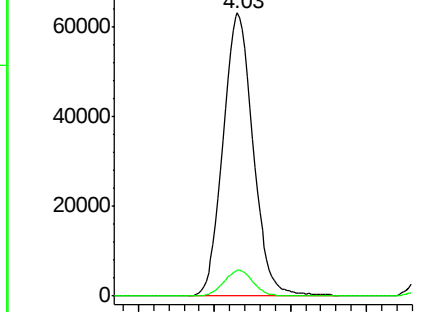
MMDadoda

4/16/2020 11:15:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VN060978.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060978.D (-609) (-)



#18

Methyl Acetate

Concen: 60.753 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060978.D

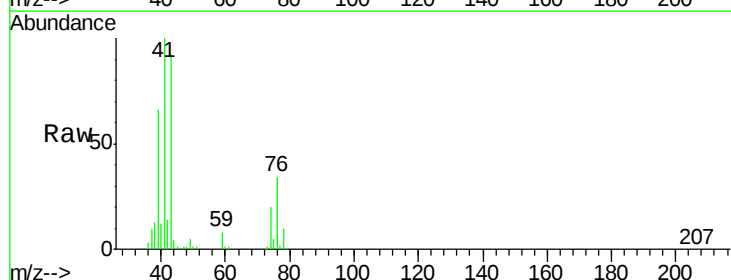
Acq: 15 Apr 2020 21:31

Tgt Ion: 43 Resp: 109154

Ion Ratio Lower Upper

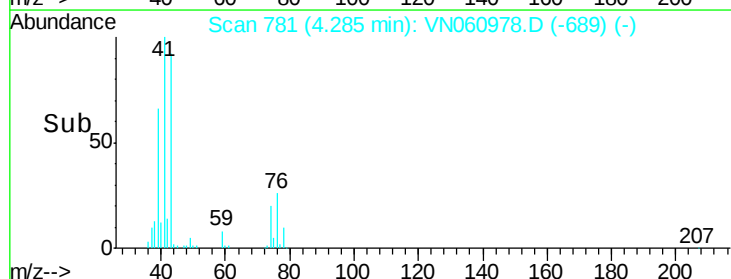
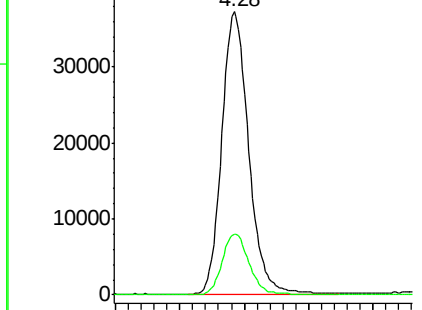
43 100

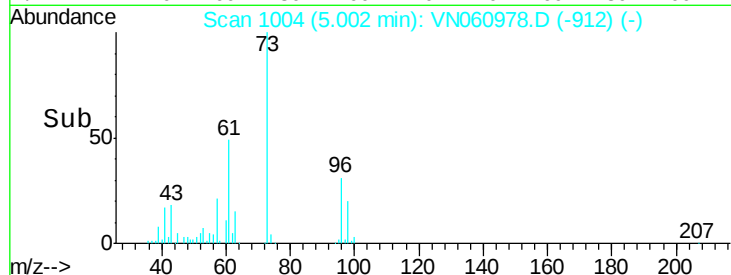
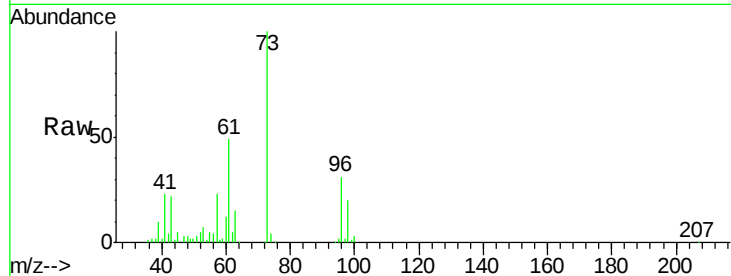
74 21.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN060978.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060978.D (-689) (-)





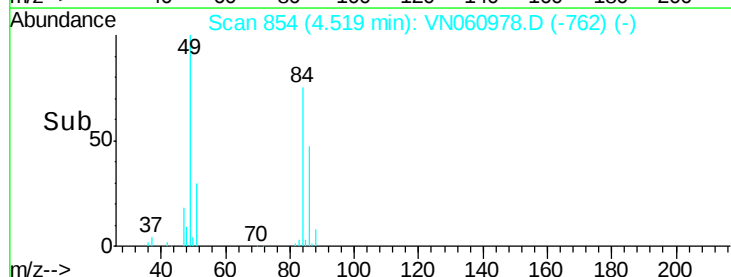
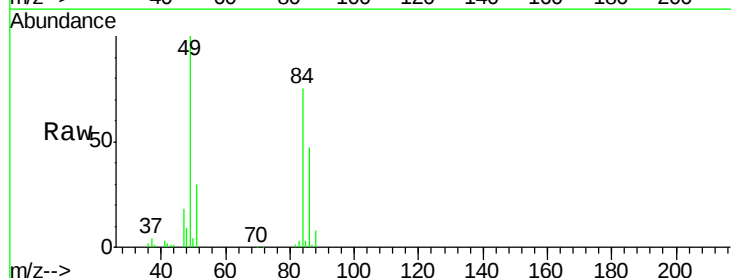
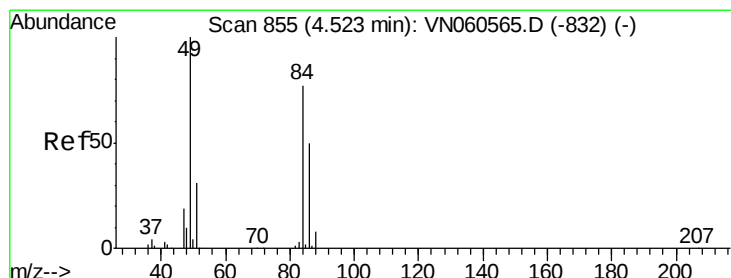
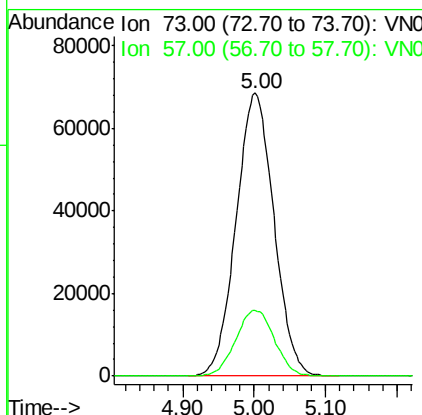
#19
Methyl tert-butyl Ether
Concen: 51.705 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.5	26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

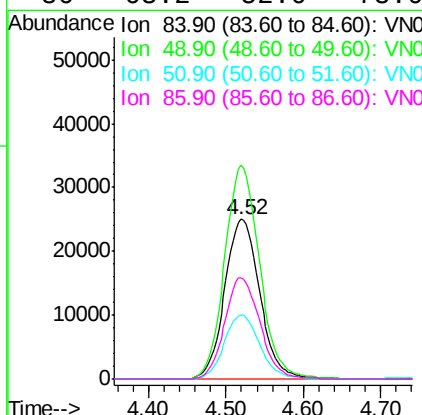
Manual Integrations
APPROVED

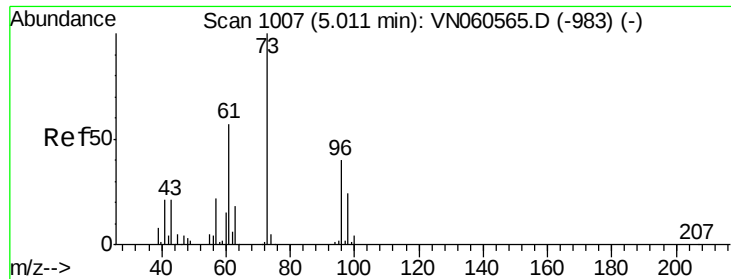
MMDadoda
4/16/2020 11:15:31 AM



#20
Methylene Chloride
Concen: 50.319 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.7	103.3	154.9
51	40.3	31.6	47.4
86	63.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 47.368 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 71749

Ion Ratio Lower Upper

96 100

61 151.4 114.4 171.6

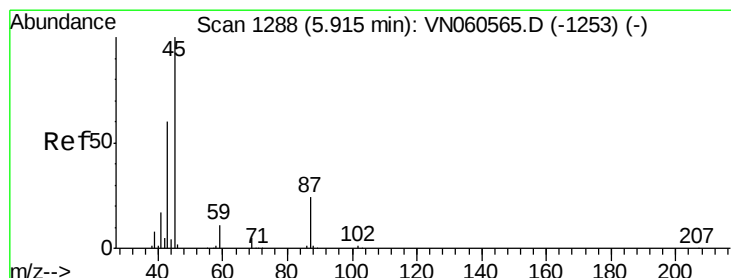
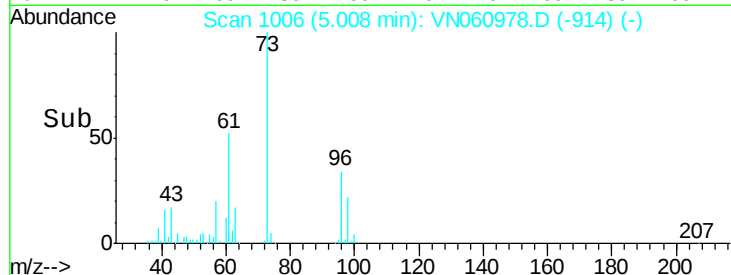
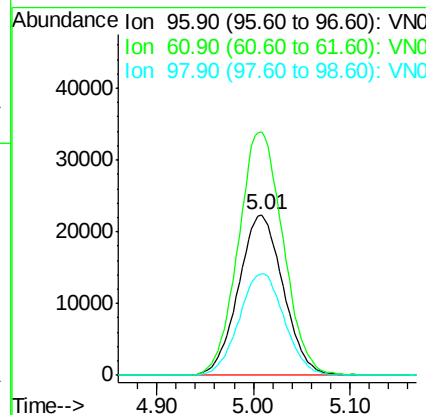
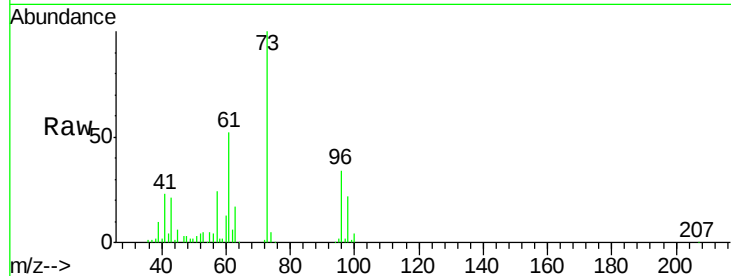
98 63.3 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

4/16/2020 11:15:31 AM



#22

Diisopropyl ether

Concen: 56.109 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion: 45 Resp: 296306

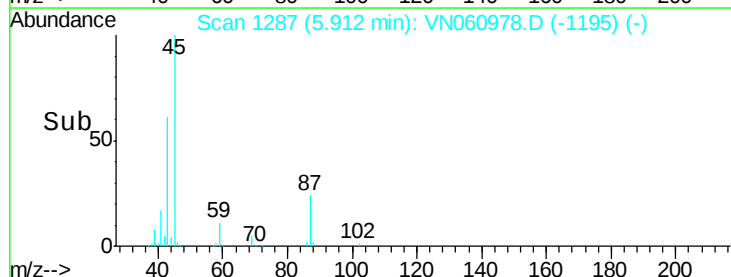
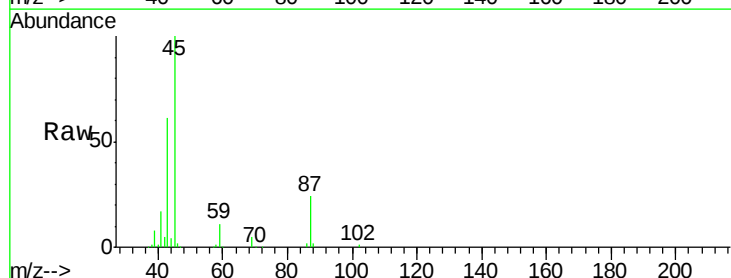
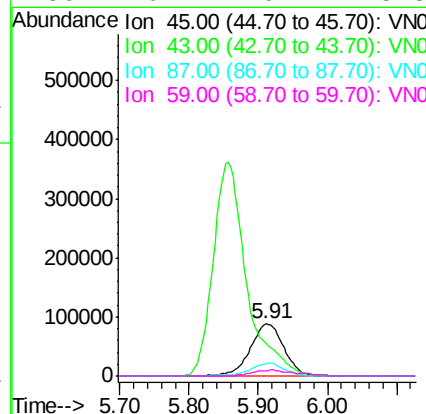
Ion Ratio Lower Upper

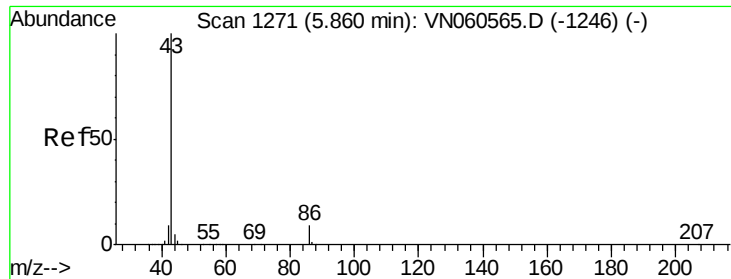
45 100

43 60.5 49.8 74.8

87 24.0 20.1 30.1

59 10.7 9.2 13.8





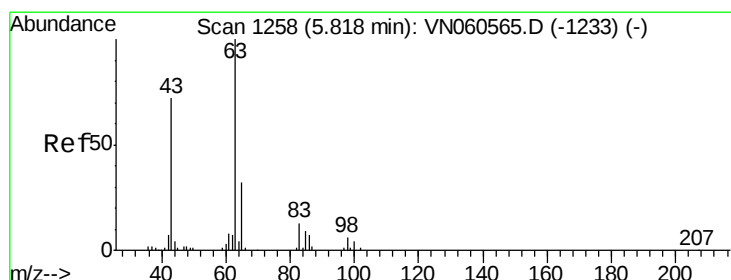
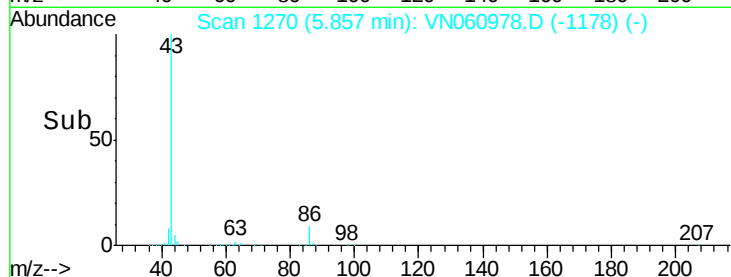
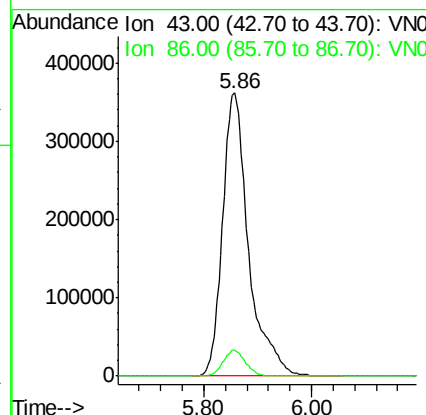
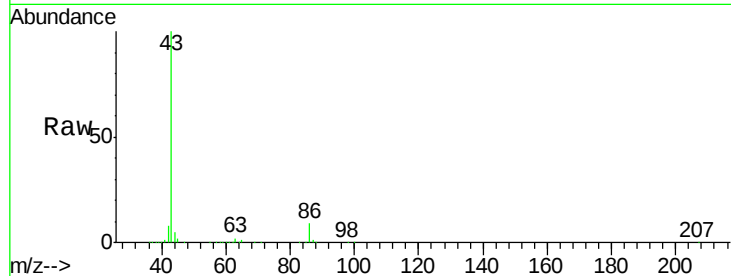
#23
 Vinyl Acetate
 Concen: 280.709 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1209519
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4

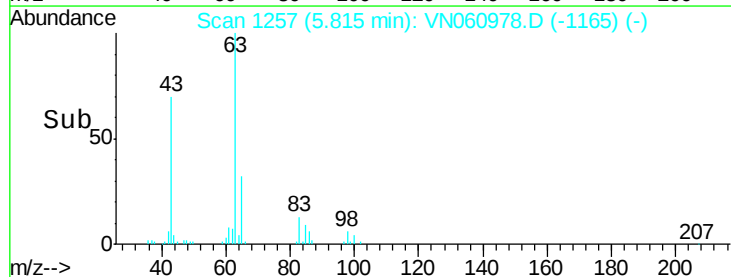
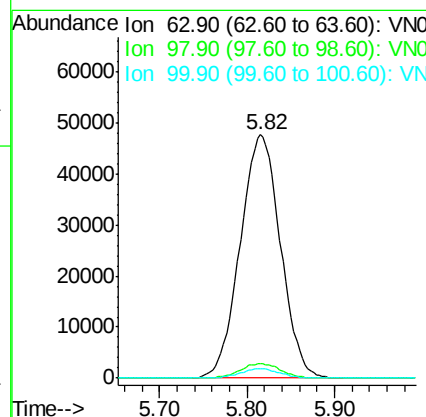
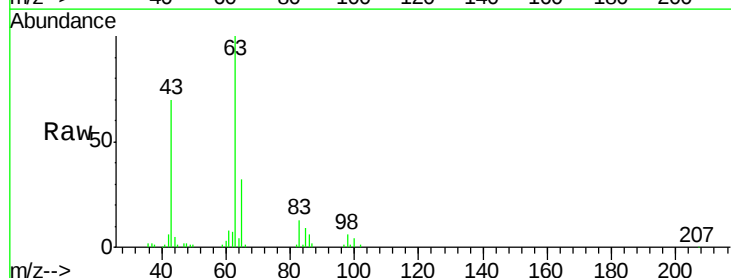
Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:31 AM



#24
 1,1-Dichloroethane
 Concen: 52.853 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion: 63 Resp: 152159
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.9 1.8 5.5





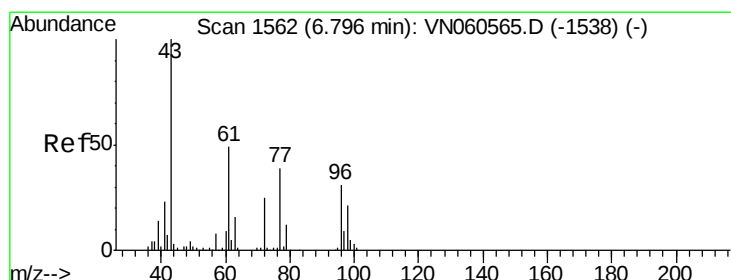
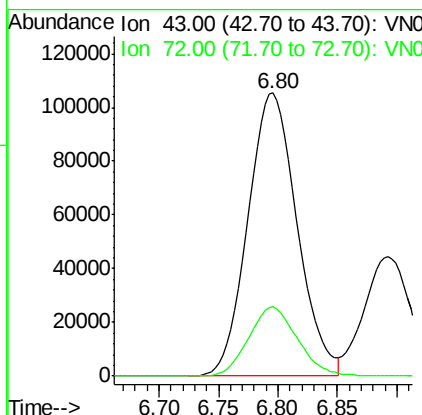
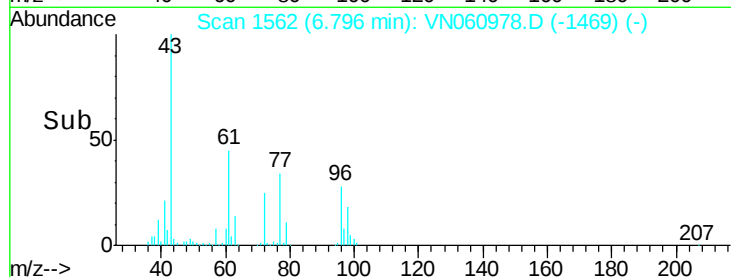
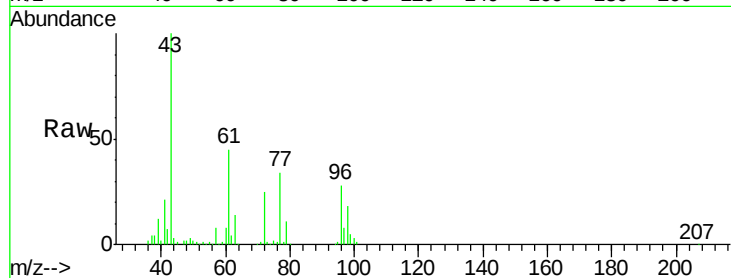
#25
2-Butanone
Concen: 292.262 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 301876
Ion Ratio Lower Upper
43 100
72 24.5 20.4 30.6

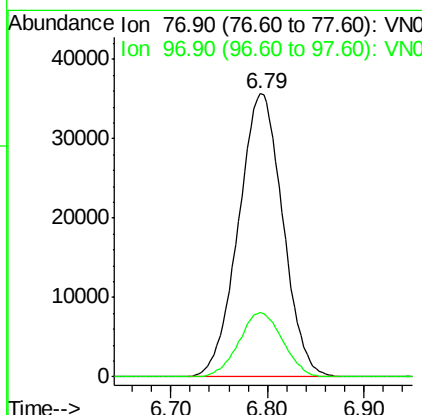
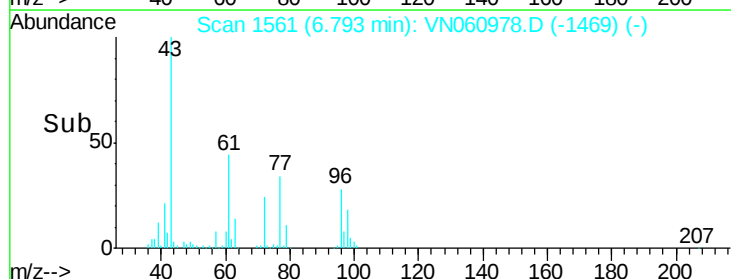
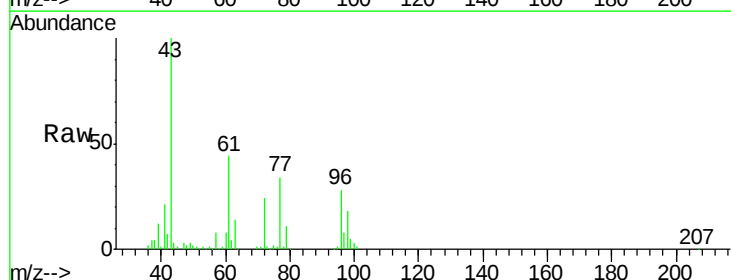
Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#26
2,2-Dichloropropane
Concen: 50.081 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 77 Resp: 113438
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.742 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

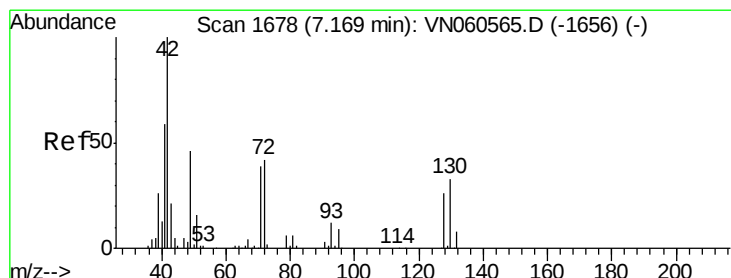
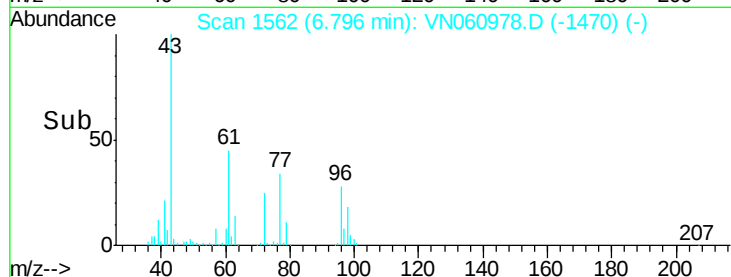
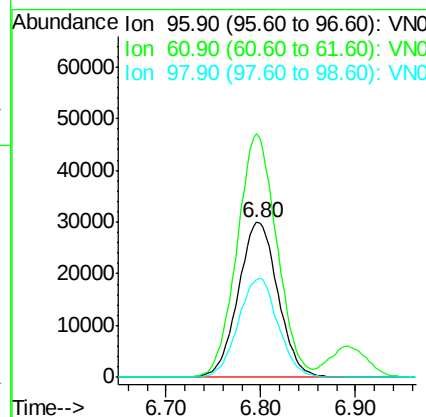
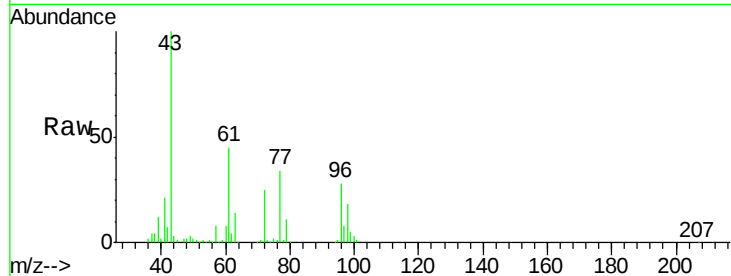
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	87341
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	305.6
98	63.8	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#28

Bromochloromethane

Concen: 54.991 ug/l

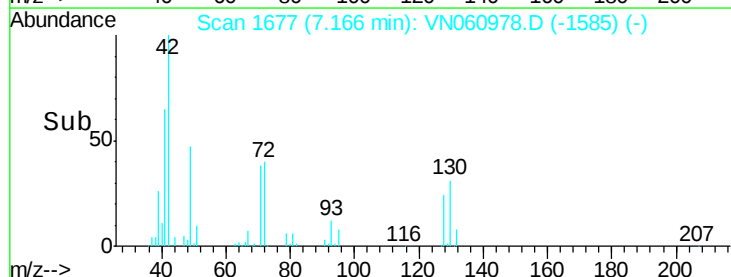
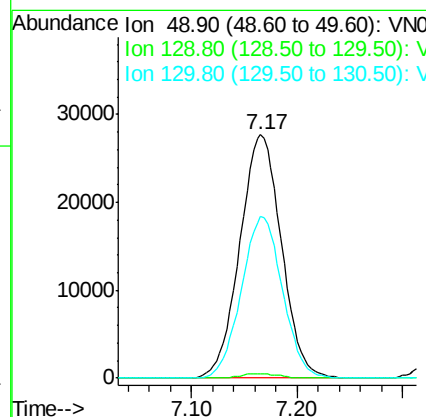
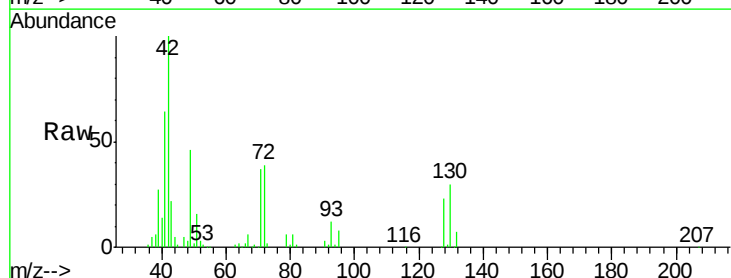
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion:	49	Resp:	75744
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	65.6	55.0	82.4





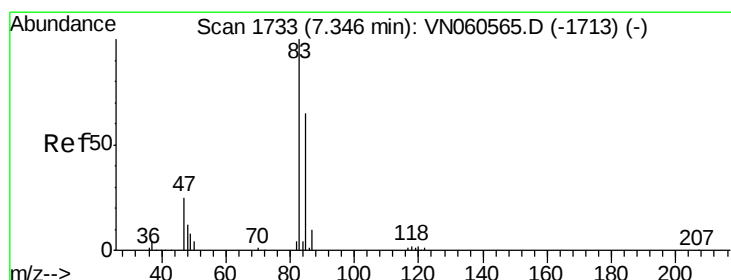
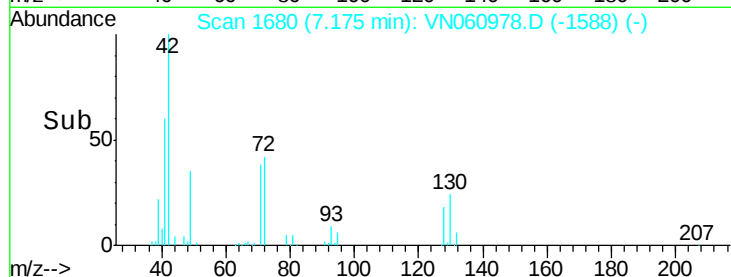
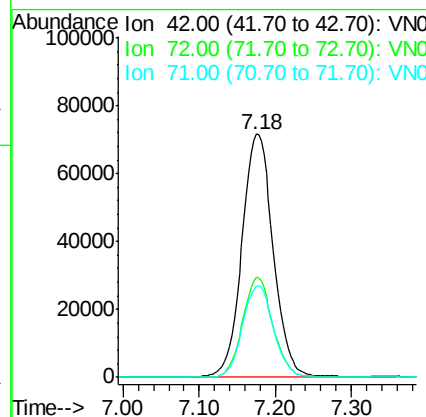
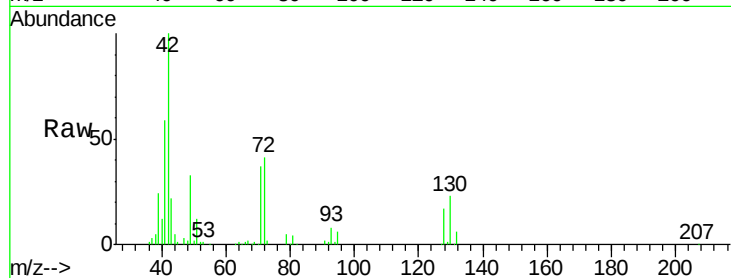
#29
Tetrahydrofuran
Concen: 280.420 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	204935
Ion Ratio		Lower	Upper
42	100		
72	39.7	33.2	49.8
71	37.4	31.1	46.7

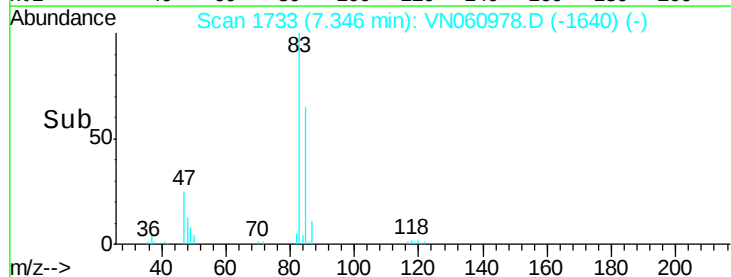
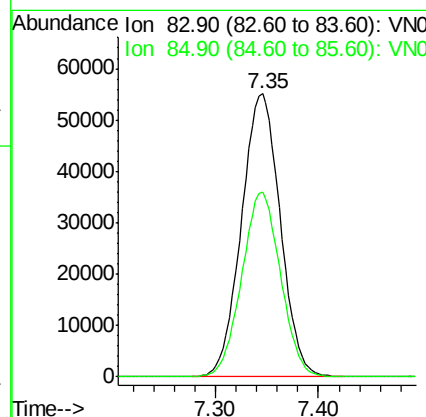
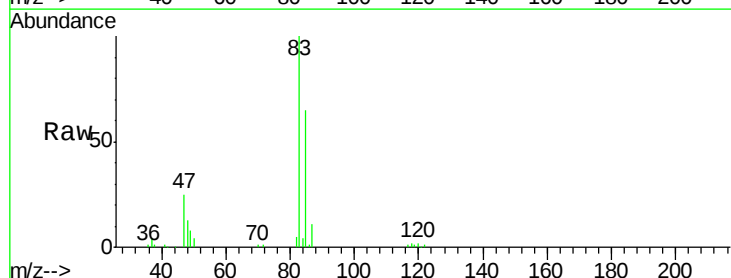
Manual Integrations
APPROVED

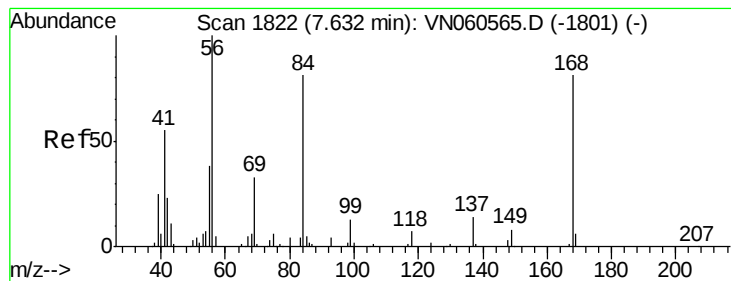
MMDadoda
4/16/2020 11:15:31 AM



#30
Chloroform
Concen: 52.144 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion:	83	Resp:	143910
Ion Ratio		Lower	Upper
83	100		
85	65.2	51.8	77.8





#31

Cyclohexane

Concen: 46.208 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

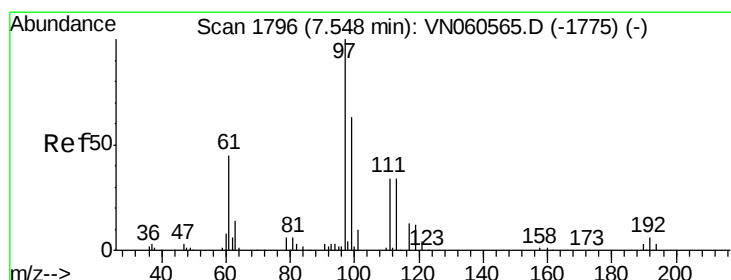
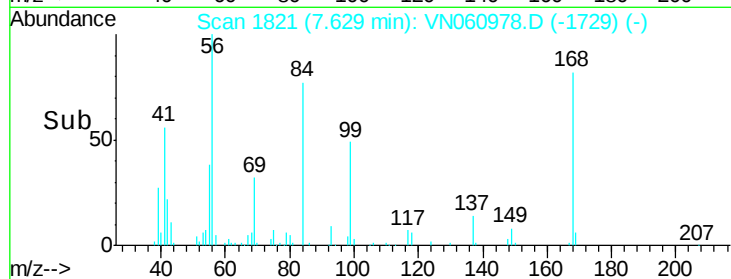
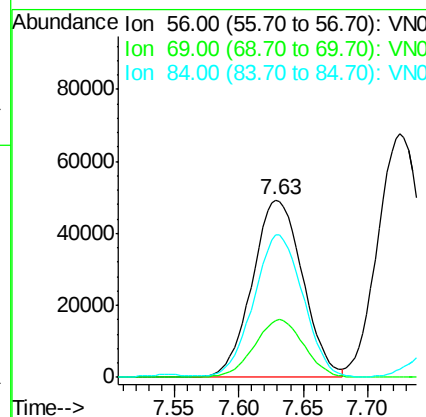
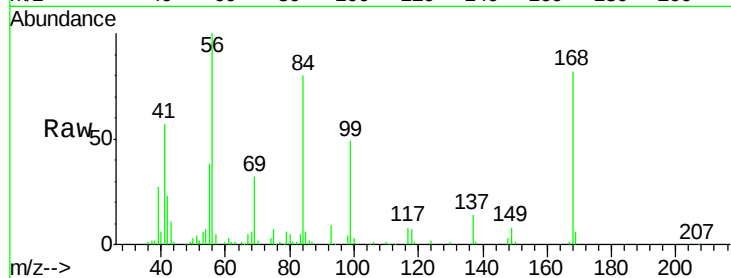
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	134113
Ion Ratio	Lower	Upper	
56	100		
69	31.9	26.6	40.0
84	79.4	64.3	96.5

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#32

1,1,1-Trichloroethane

Concen: 51.123 ug/l

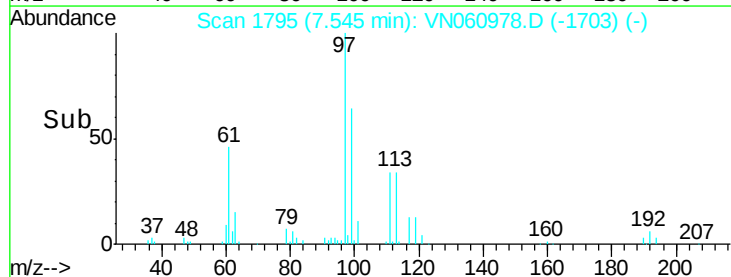
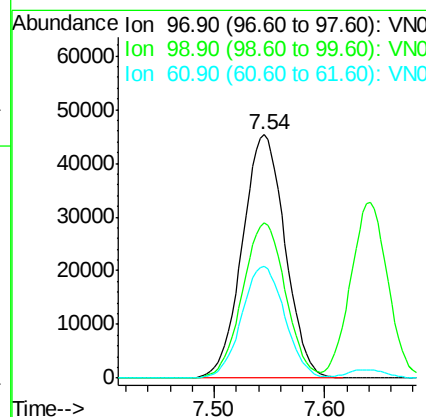
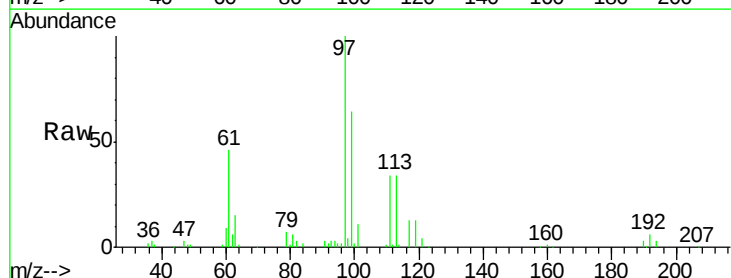
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion:	97	Resp:	121633
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.6	75.8
61	46.3	36.2	54.4





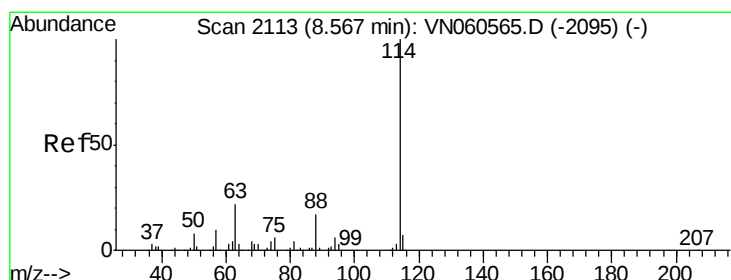
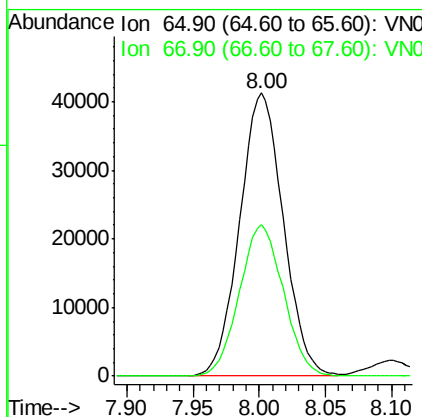
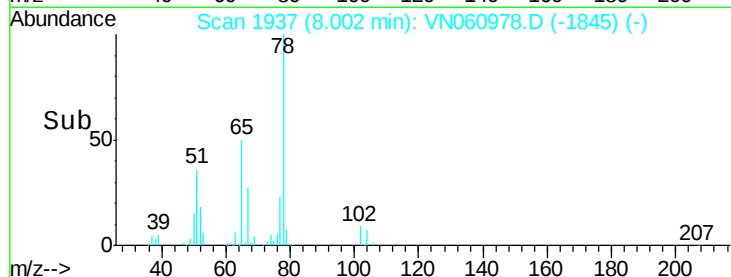
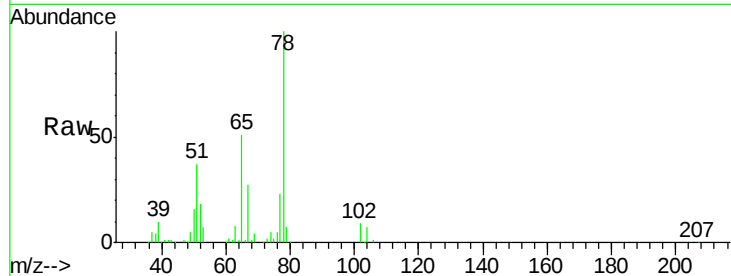
#33
 1,2-Dichloroethane-d4
 Concen: 52.423 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	107.6	

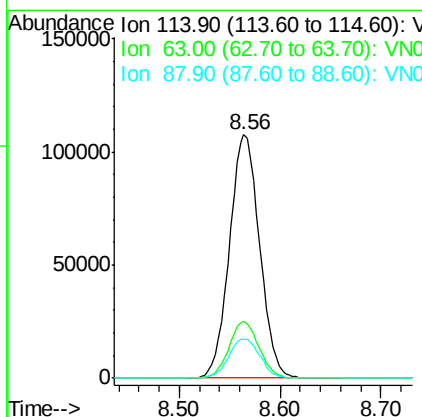
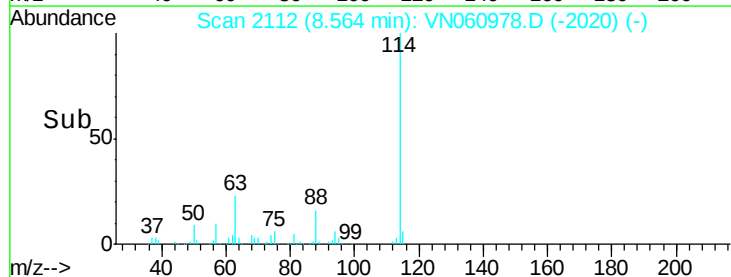
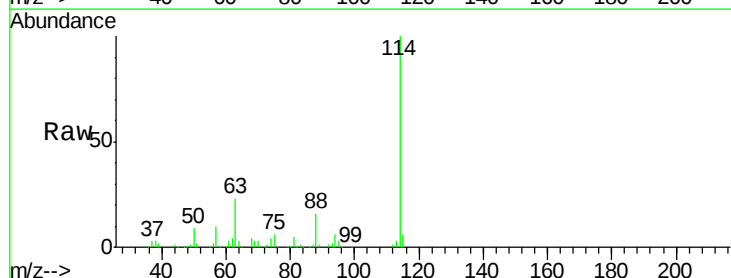
Manual Integrations
 APPROVED

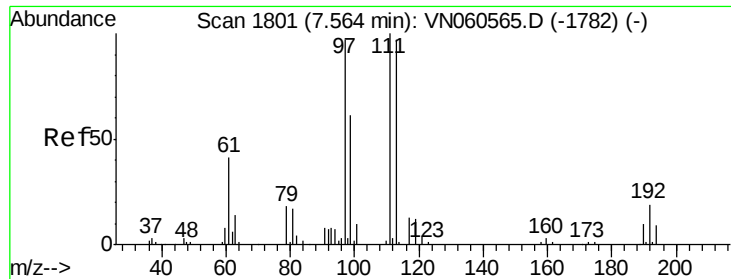
MMDadoda
 4/16/2020 11:15:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.3	0.0	43.8	
88	16.1	0.0	33.0	





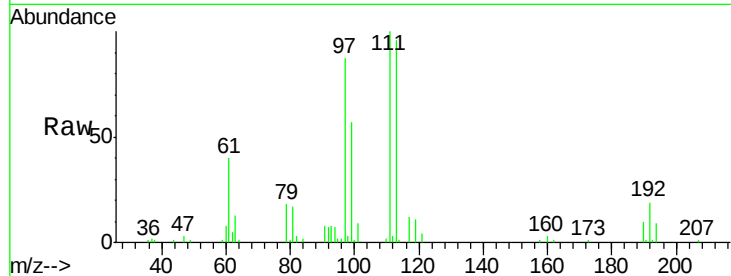
#35
Dibromofluoromethane
Concen: 52.145 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

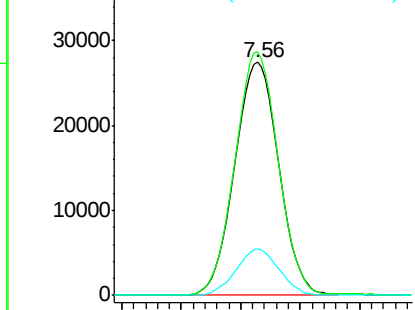
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.4	15.8	23.8

Manual Integrations
APPROVED

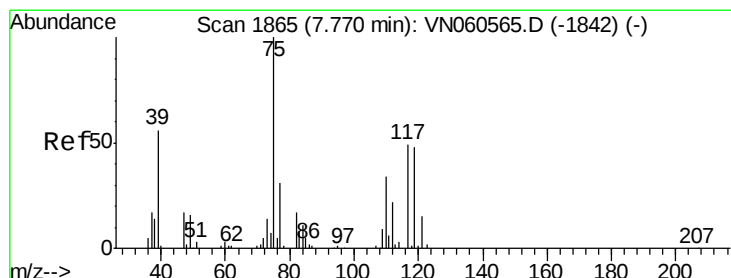
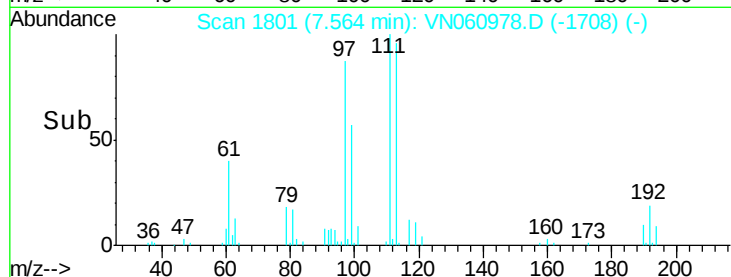
MMDadoda
4/16/2020 11:15:31 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



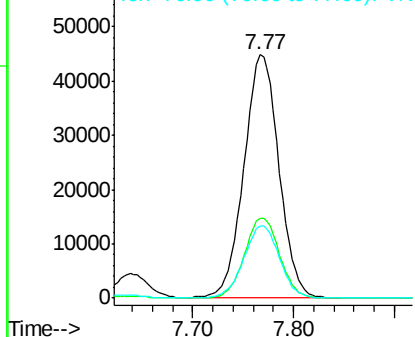
Time-->



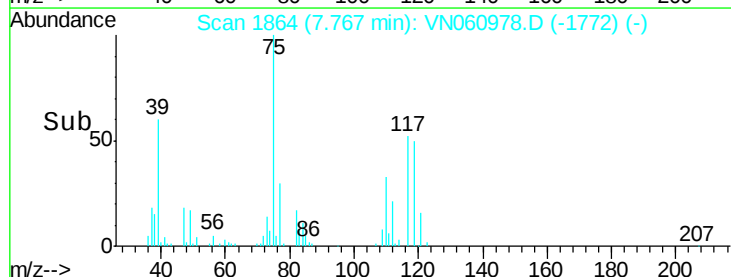
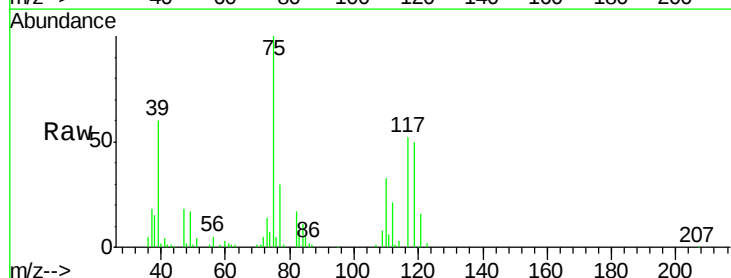
#36
1,1-Dichloropropene
Concen: 49.790 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.6
77	30.3	24.6	36.8

Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V



Time-->





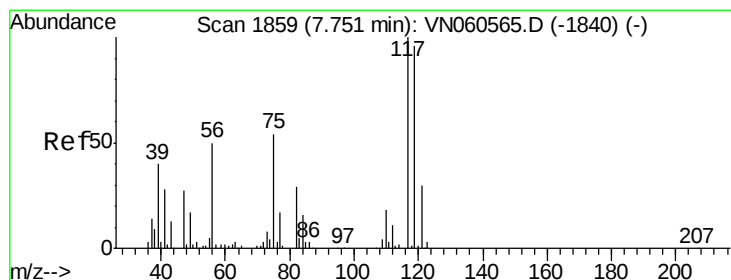
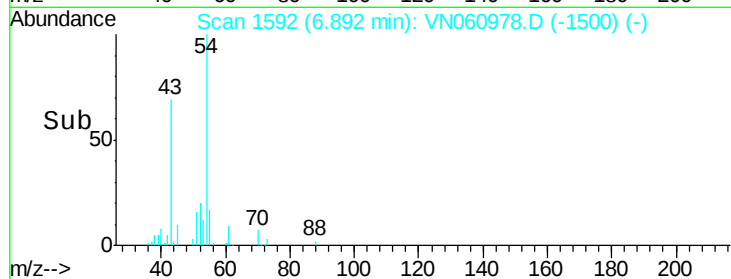
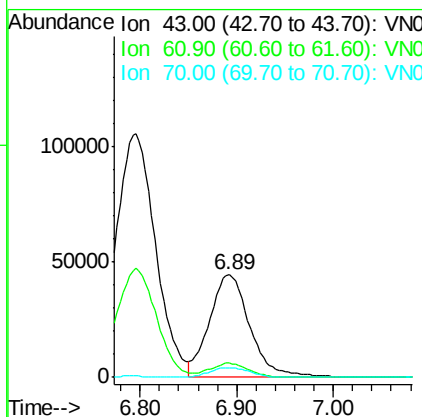
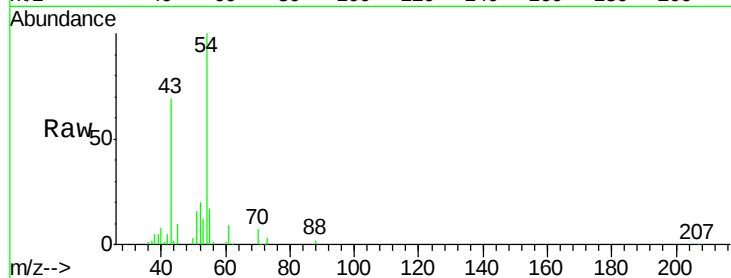
#37
Ethyl Acetate
Concen: 54.524 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.6	15.8
70	9.6	7.9	11.9

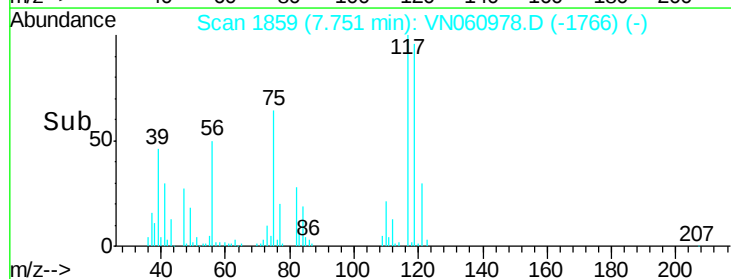
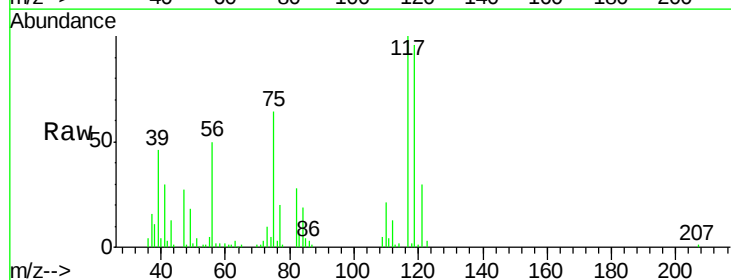
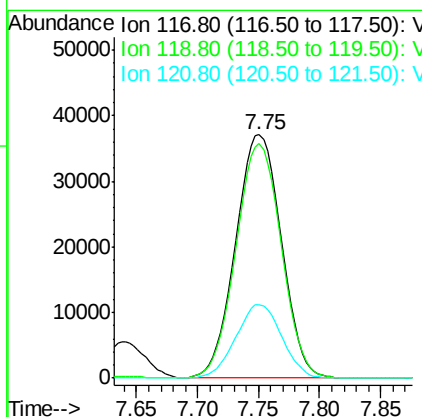
Manual Integrations
APPROVED

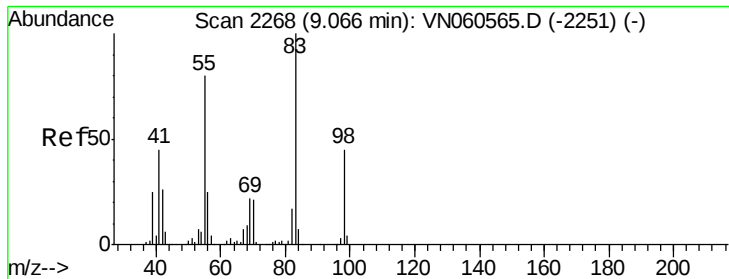
MMDadoda
4/16/2020 11:15:31 AM



#38
Carbon Tetrachloride
Concen: 49.724 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.2
121	30.2	23.7	35.5





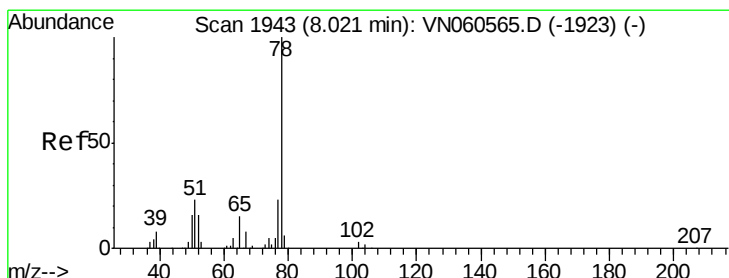
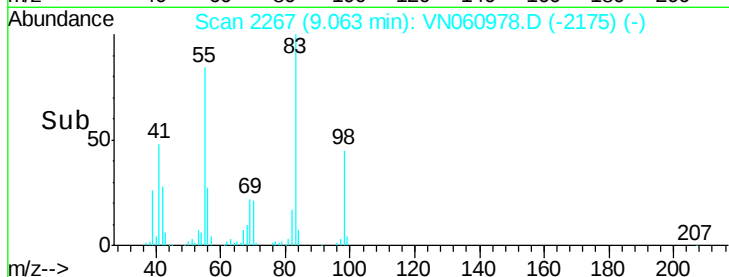
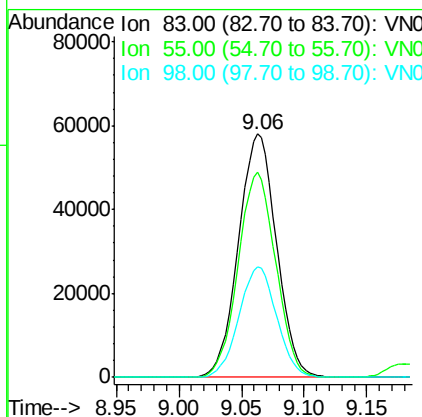
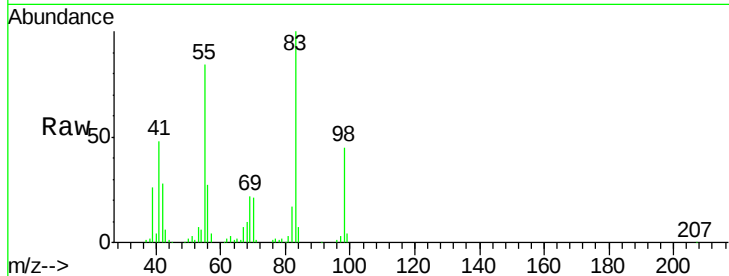
#39
Methvlcvclohexane
Concen: 47.651 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122570		
55	84.1	63.6	95.4	
98	45.5	36.0	54.0	

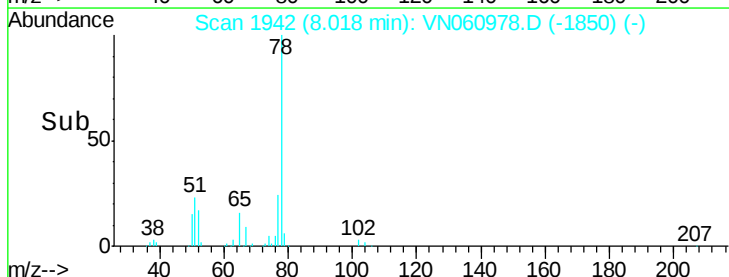
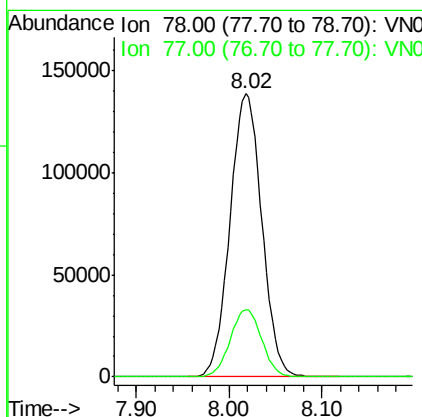
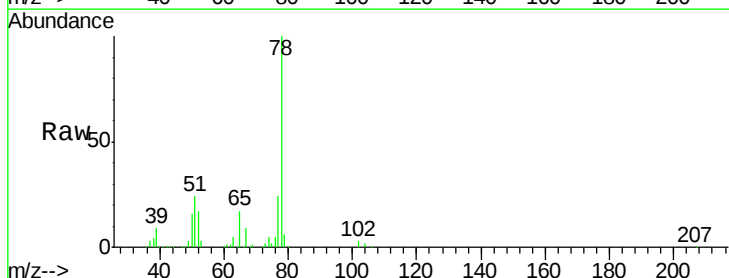
Manual Integrations
APPROVED

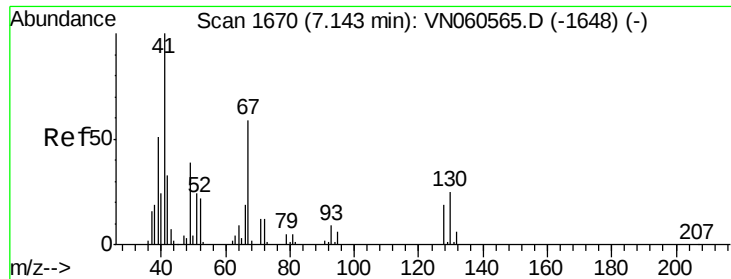
MMDadoda
4/16/2020 11:15:31 AM



#40
Benzene
Concen: 50.472 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	329792		
77	23.8	18.6	28.0	





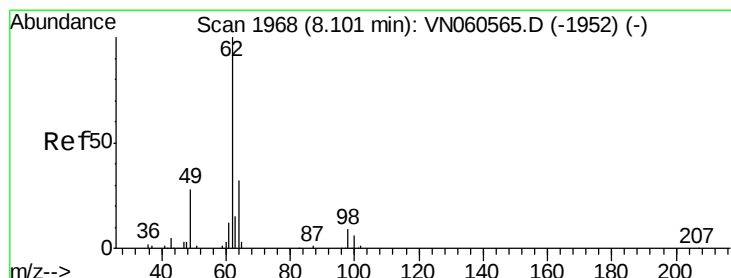
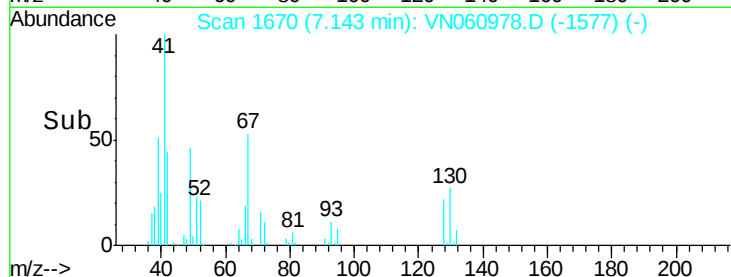
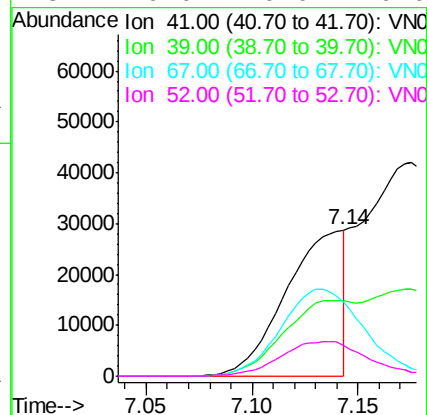
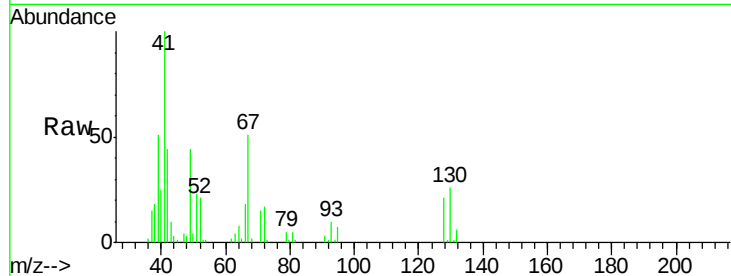
#41
Methacrylonitrile
Concen: 54.844 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	54742
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

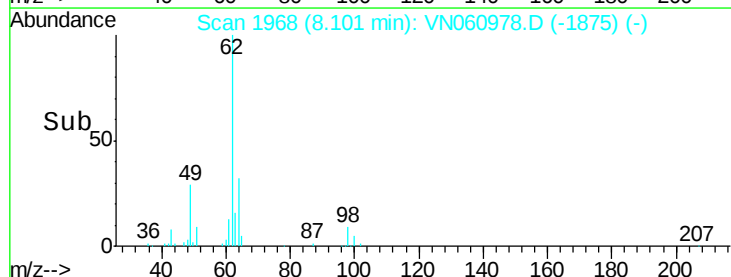
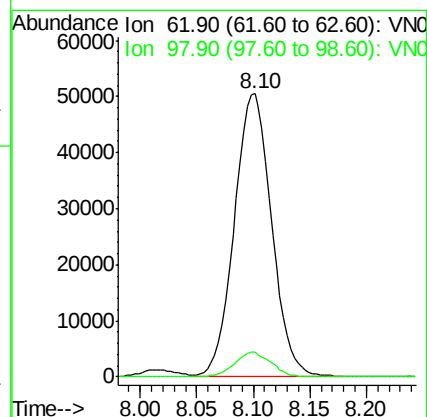
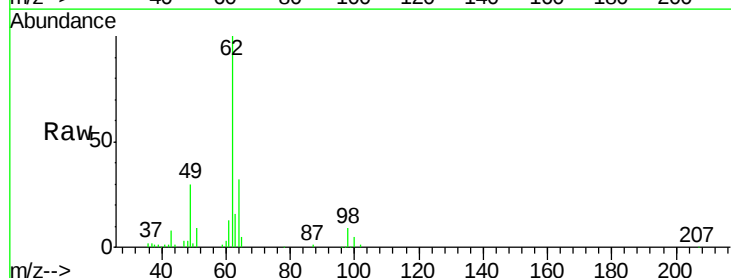
Manual Integrations
APPROVED

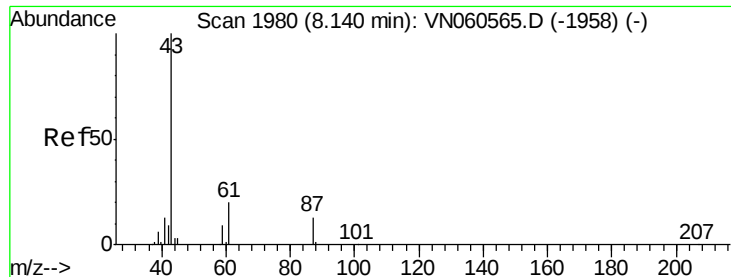
MMDadoda
4/16/2020 11:15:31 AM



#42
1,2-Dichloroethane
Concen: 52.017 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	62	Resp	116157
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





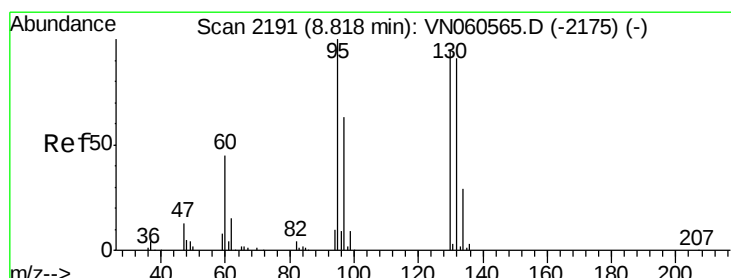
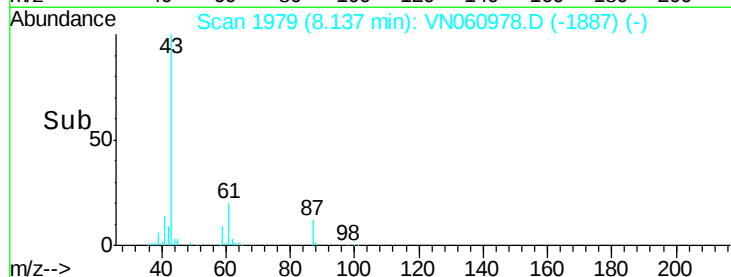
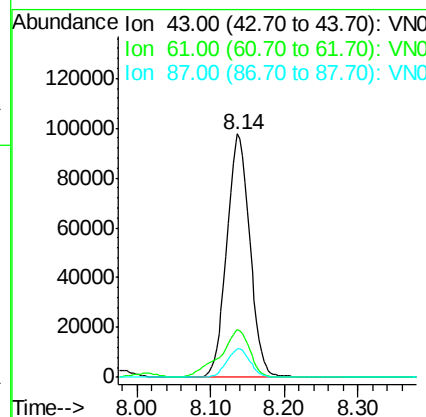
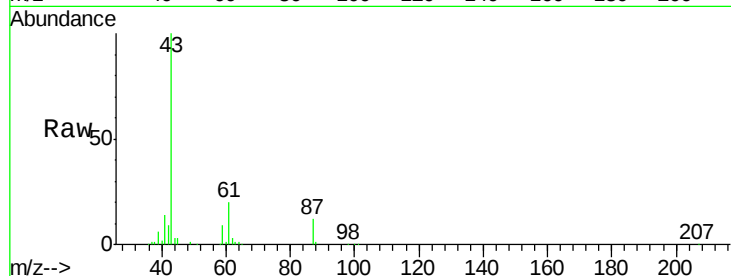
#43
Isopropyl Acetate
Concen: 55.071 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.7	31.1
87	11.7	9.8	14.8

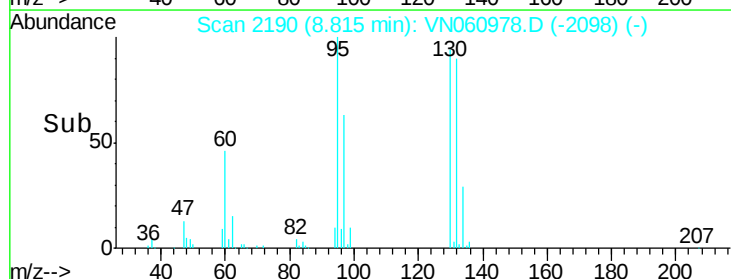
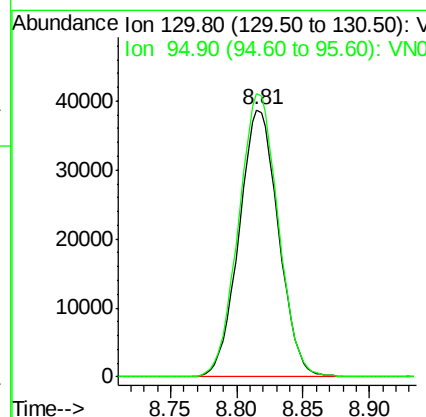
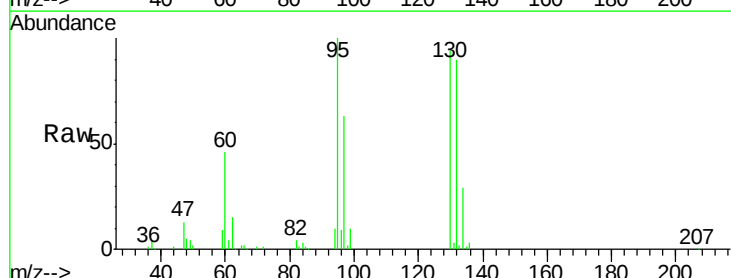
Manual Integrations
APPROVED

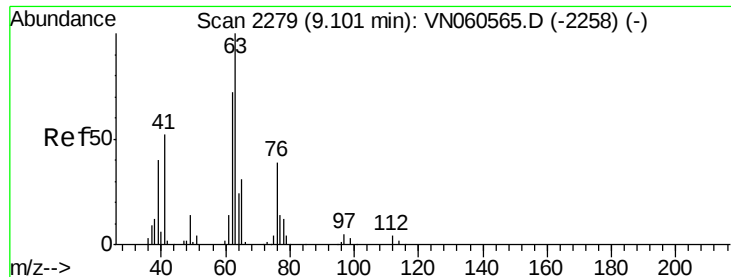
MMDadoda
4/16/2020 11:15:31 AM



#44
Trichloroethene
Concen: 48.497 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	211.2





#45

1,2-Dichloropropane

Concen: 54.243 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 93523

Ion Ratio Lower Upper

63 100

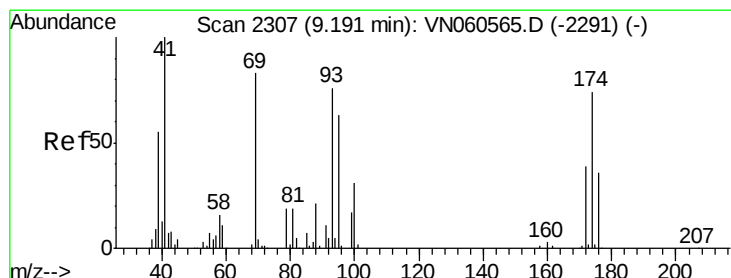
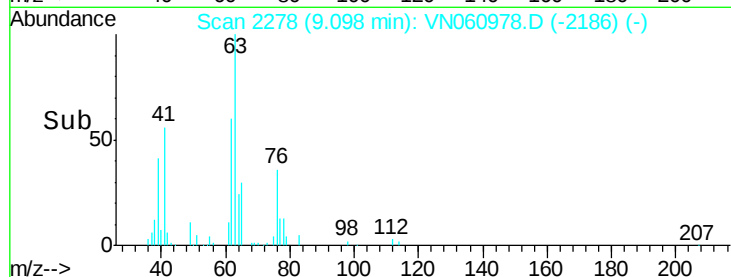
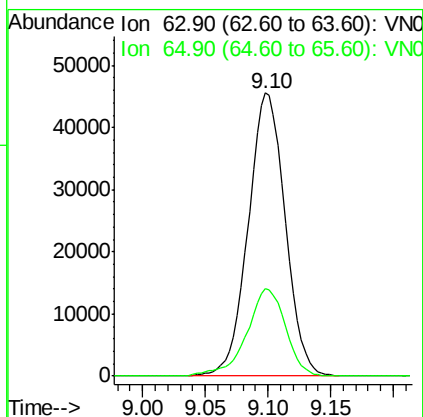
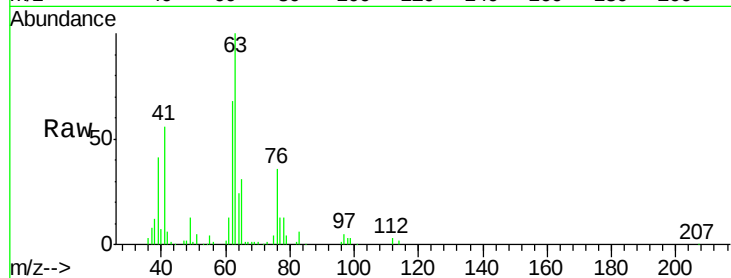
65 30.8 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

4/16/2020 11:15:31 AM



#46

Dibromomethane

Concen: 51.686 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

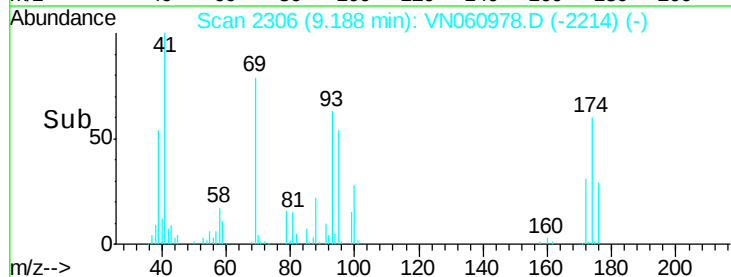
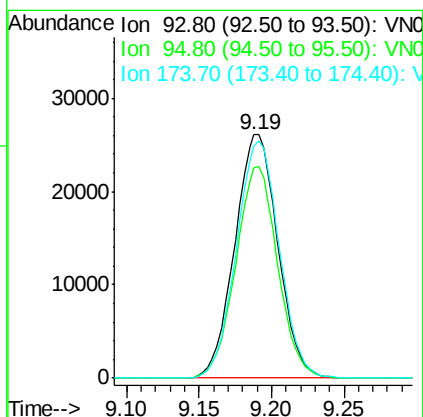
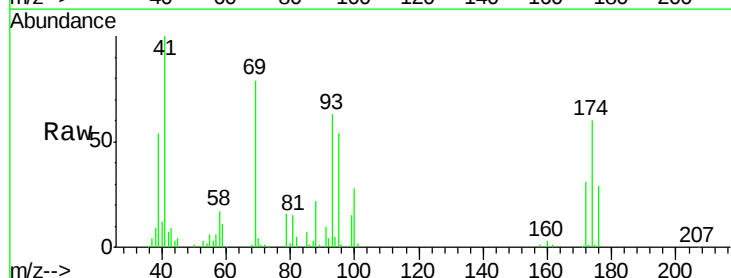
Tgt Ion: 93 Resp: 53875

Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.4

174 96.9 77.9 116.9





#47

Bromodichloromethane

Concen: 53.165 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

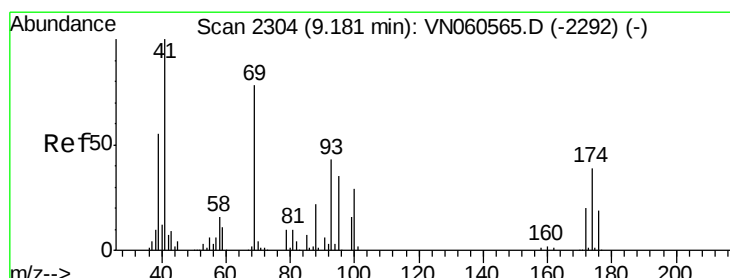
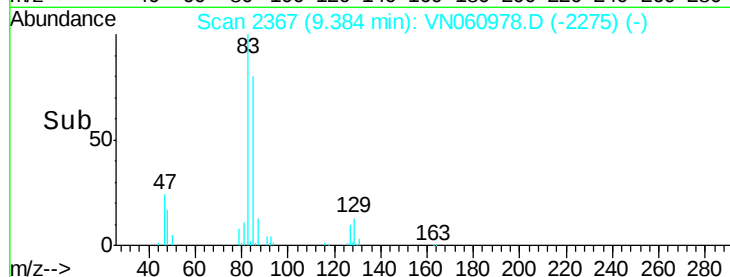
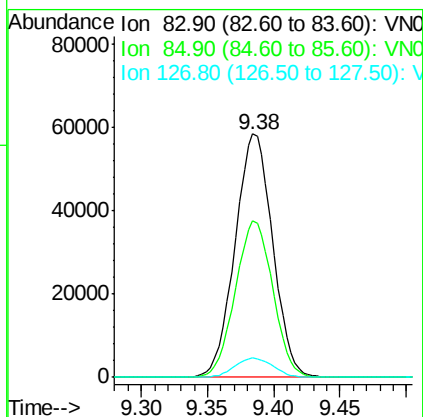
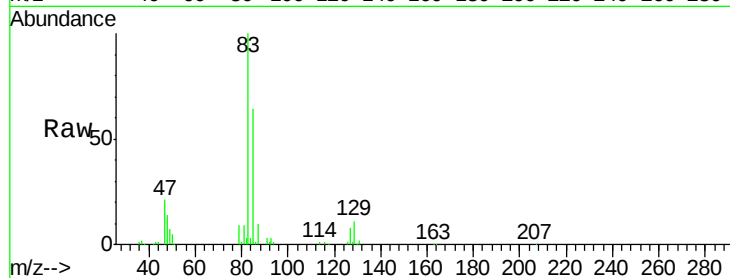
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	115157
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.8	77.6
127	8.0	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#48

Methyl methacrylate

Concen: 55.120 ug/l

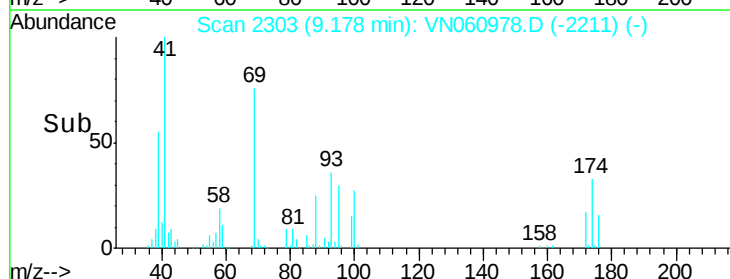
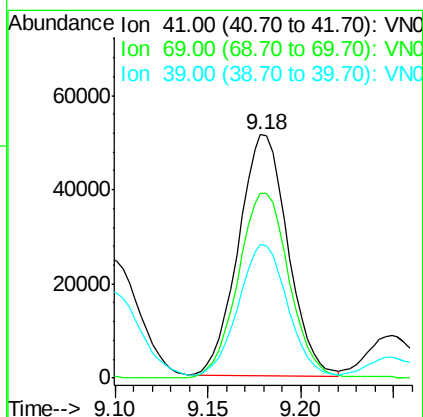
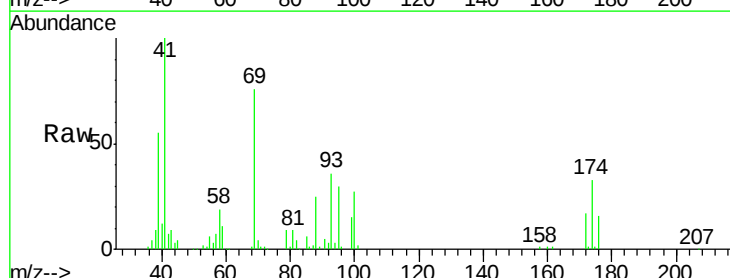
RT: 9.18 min Scan# 2303

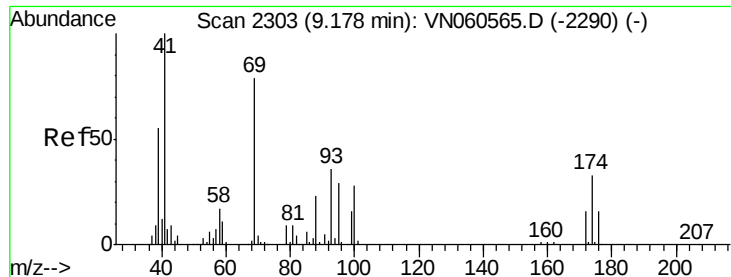
Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion:	41	Resp:	94658
Ion Ratio	Lower	Upper	
41	100		
69	79.6	65.4	98.0
39	56.4	44.0	66.0





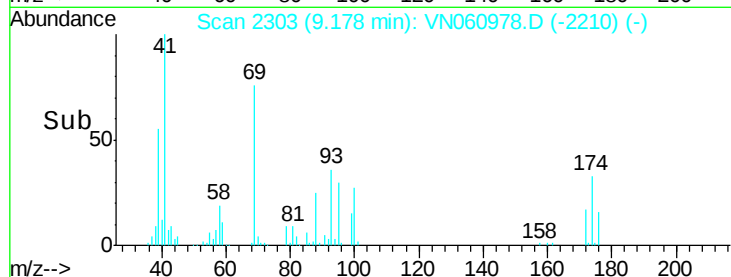
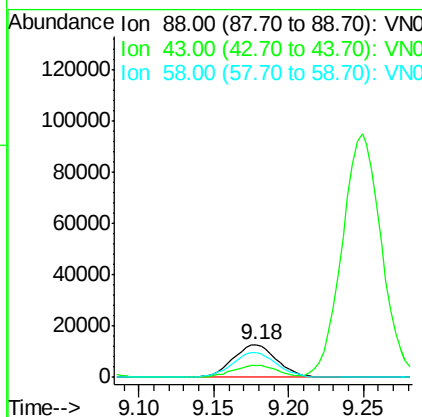
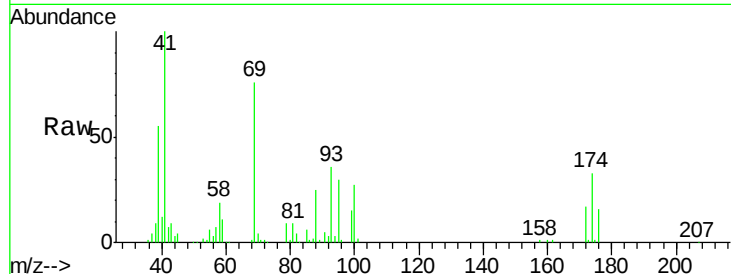
#49
1,4-Dioxane
Concen: 1268.304 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	25889
Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.8	46.2
58	77.7	59.8	89.8

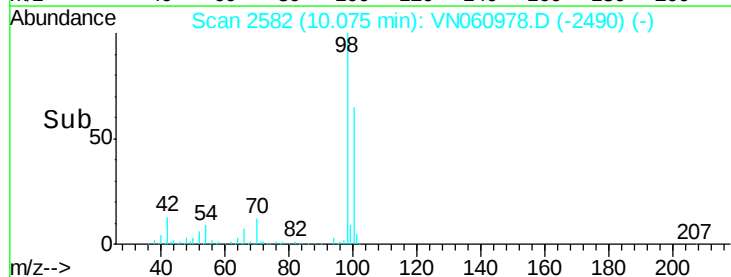
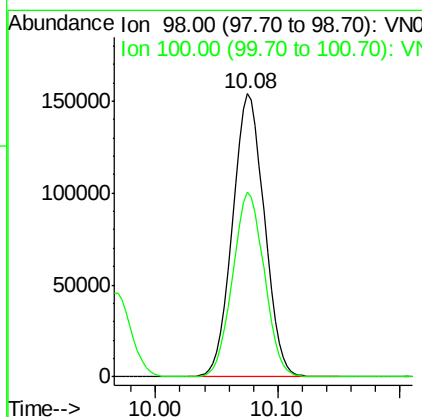
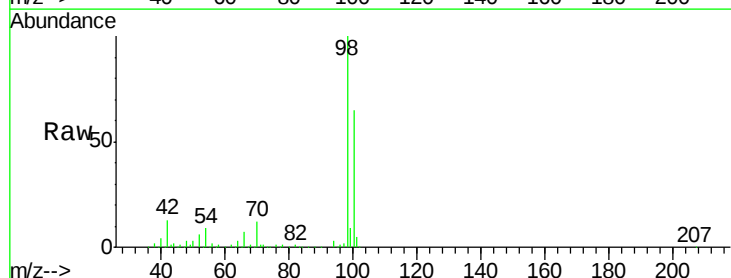
Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#50
Toluene-d8
Concen: 50.394 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	98	Resp	278223
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 290.930 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 638560

Ion Ratio Lower Upper

43 100

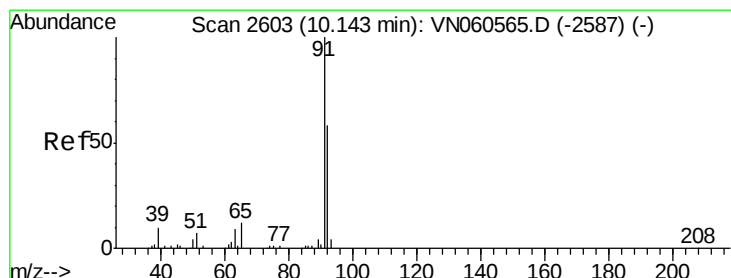
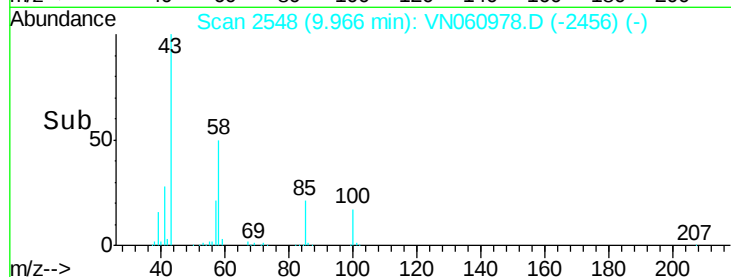
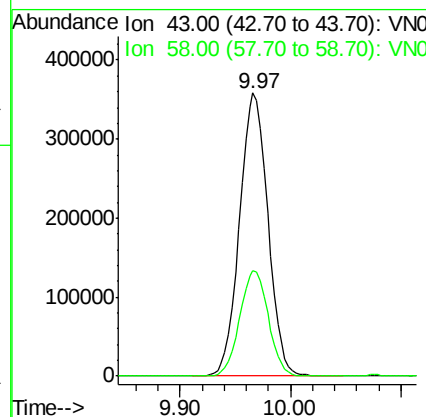
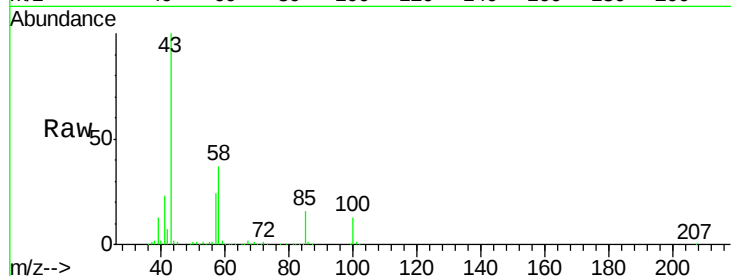
58 37.6 30.8 46.2

Manual Integrations

APPROVED

MMDadoda

4/16/2020 11:15:31 AM



#52

Toluene

Concen: 50.249 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060978.D

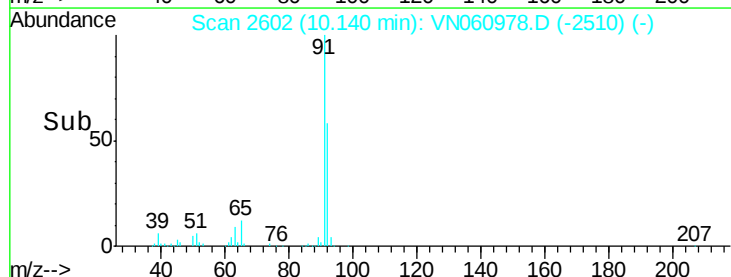
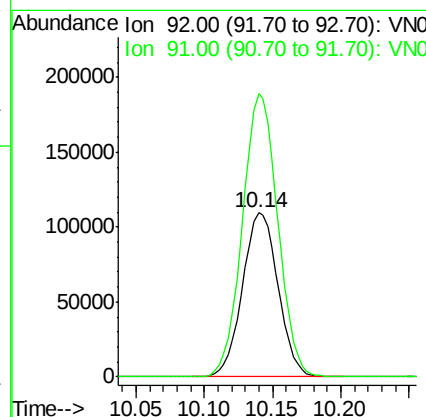
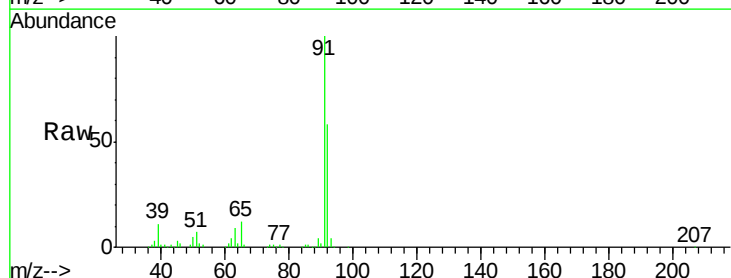
Acq: 15 Apr 2020 21:31

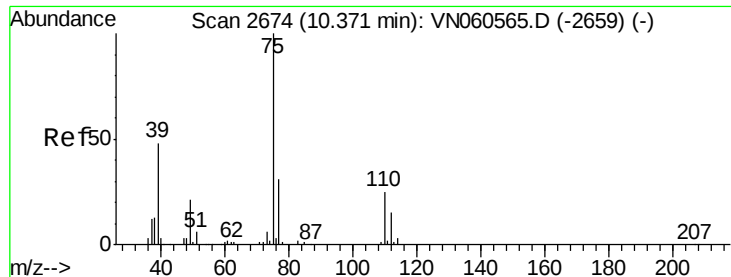
Tgt Ion: 92 Resp: 198292

Ion Ratio Lower Upper

92 100

91 171.5 137.6 206.4





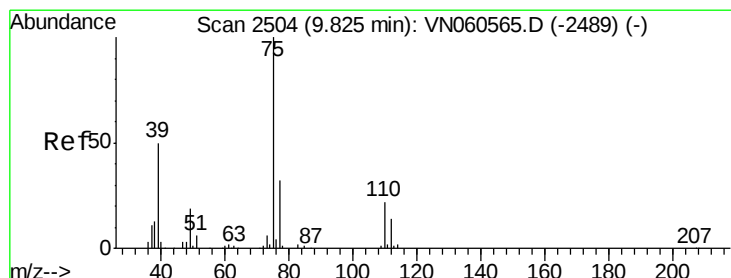
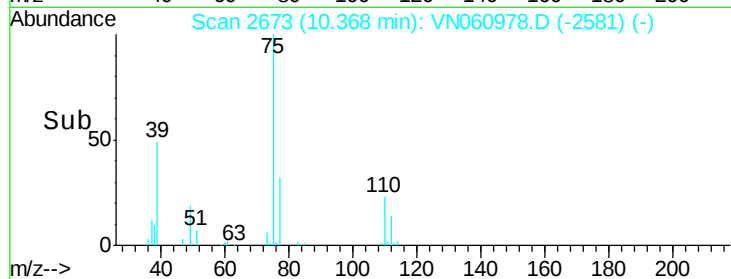
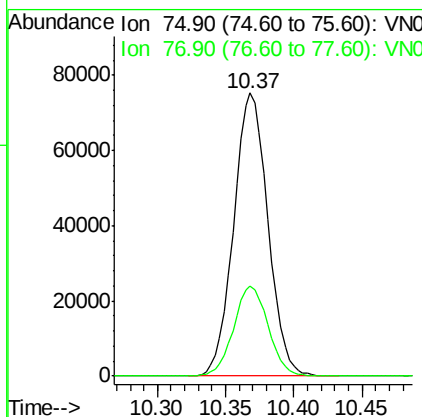
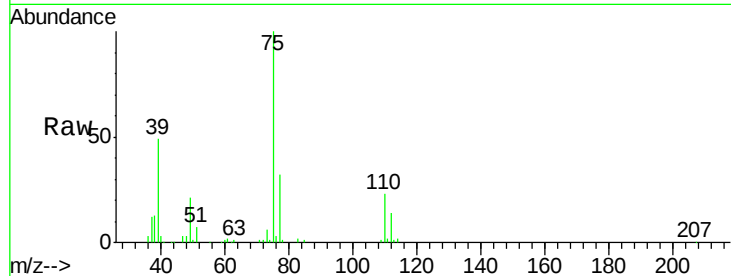
#53
t-1,3-Dichloropropene
Concen: 52.748 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 131241
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7

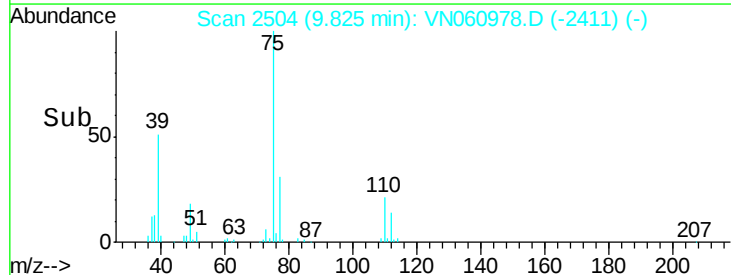
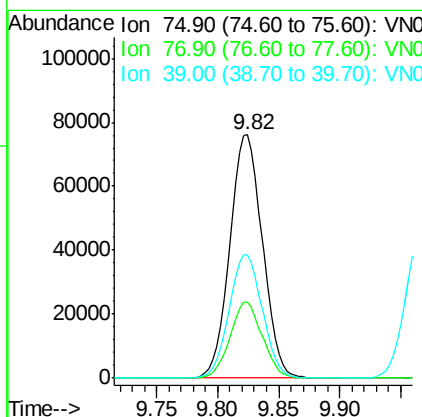
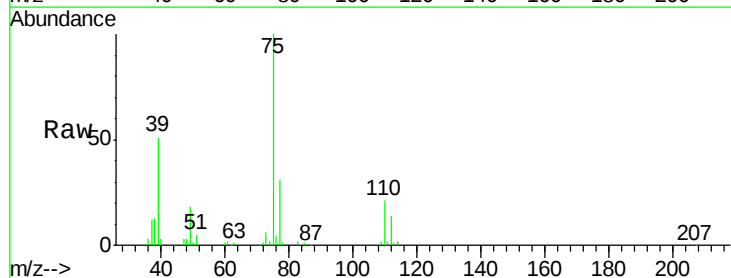
Manual Integrations
APPROVED

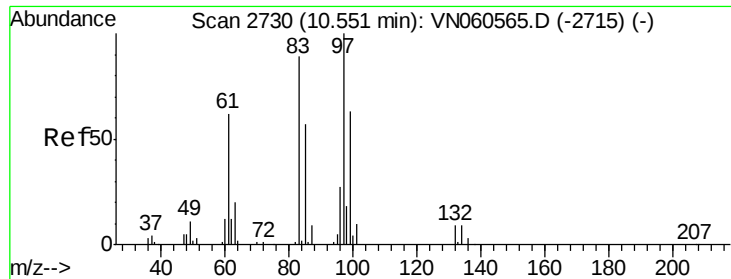
MMDadoda
4/16/2020 11:15:31 AM



#54
cis-1,3-Dichloropropene
Concen: 51.970 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 75 Resp: 141855
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 50.8 40.2 60.4





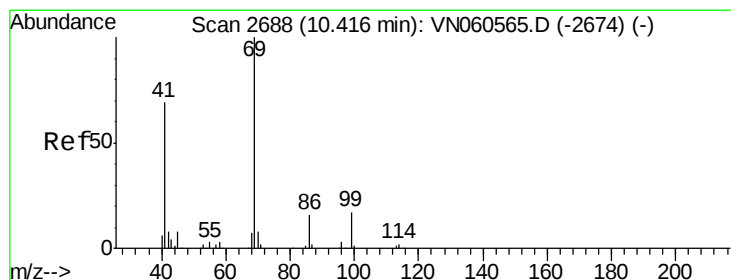
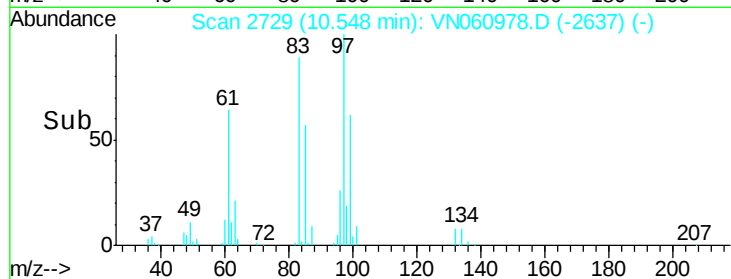
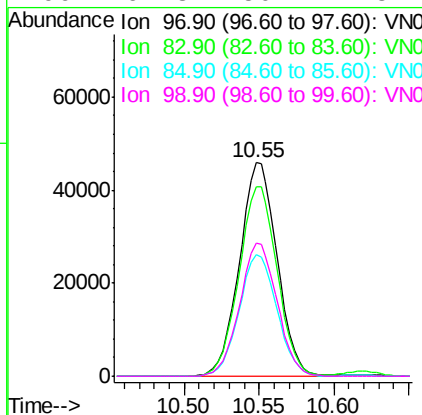
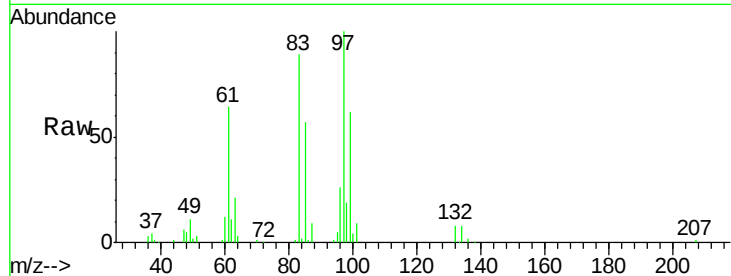
#55
 1,1,2-Trichloroethane
 Concen: 52.948 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	80383
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.3	106.9
85	56.7	45.2	67.8
99	62.3	50.1	75.1

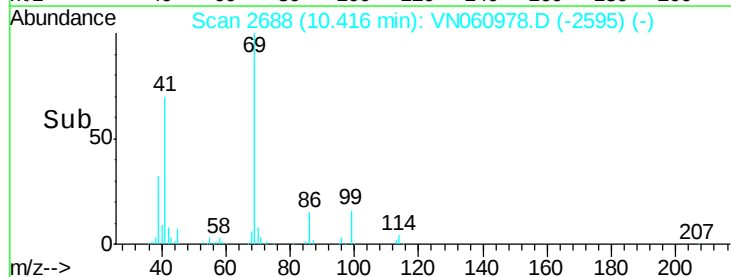
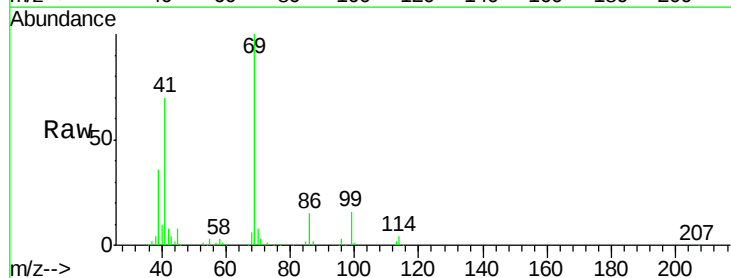
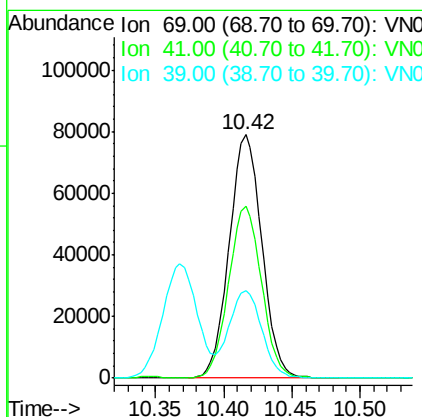
Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:31 AM



#56
 Ethyl methacrylate
 Concen: 55.492 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion:	69	Resp:	131359
Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.4	83.2
39	36.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 53.060 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 139786

Ion Ratio Lower Upper

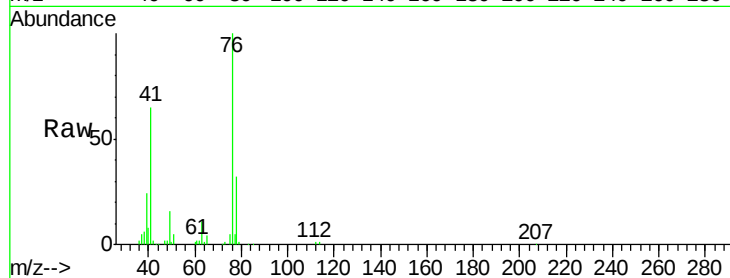
76 100

78 32.4 25.8 38.6

Manual Integrations
APPROVED

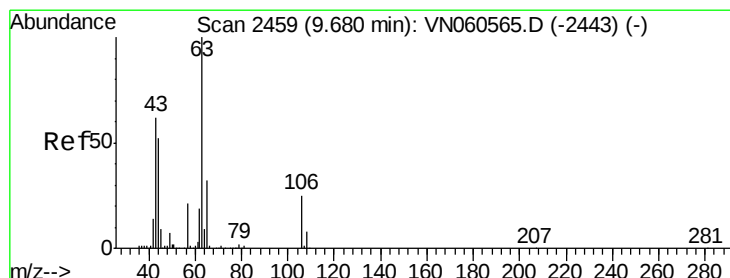
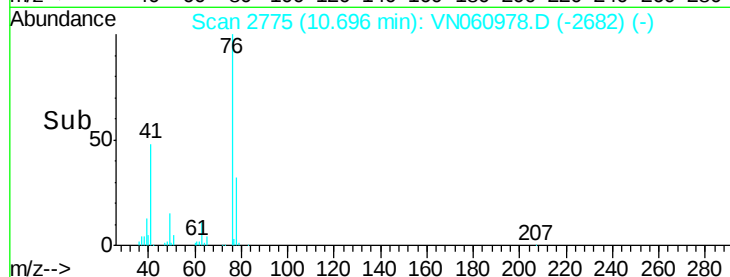
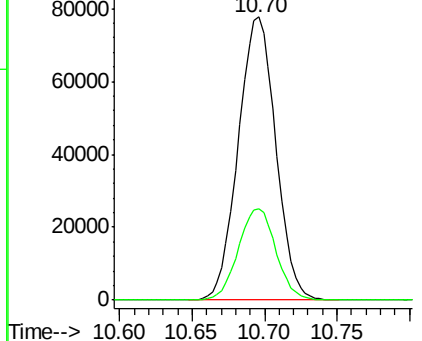
MMDadoda

4/16/2020 11:15:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 255.136 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060978.D

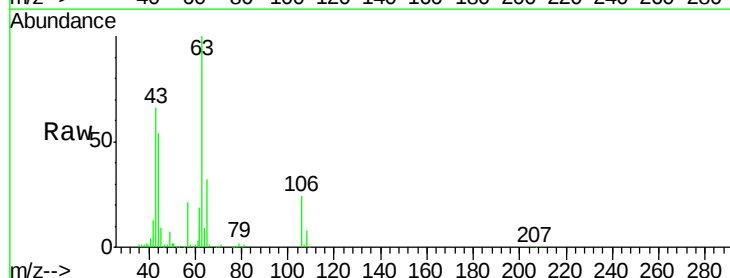
Acq: 15 Apr 2020 21:31

Tgt Ion: 63 Resp: 300168

Ion Ratio Lower Upper

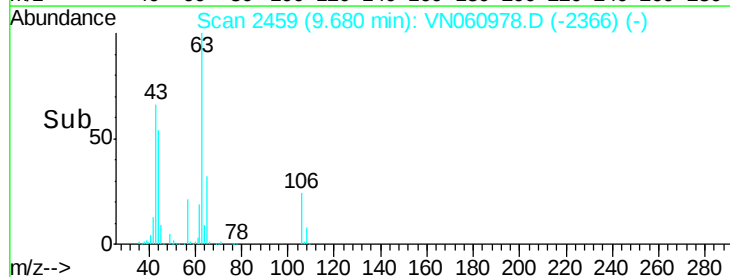
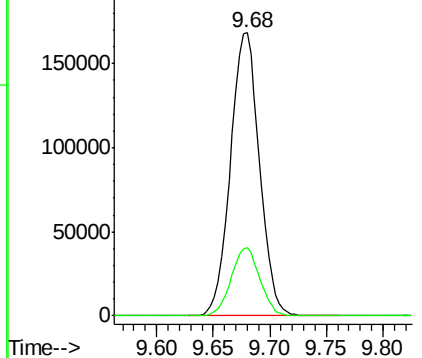
63 100

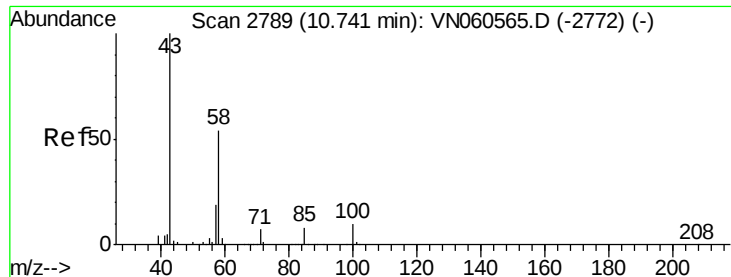
106 23.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





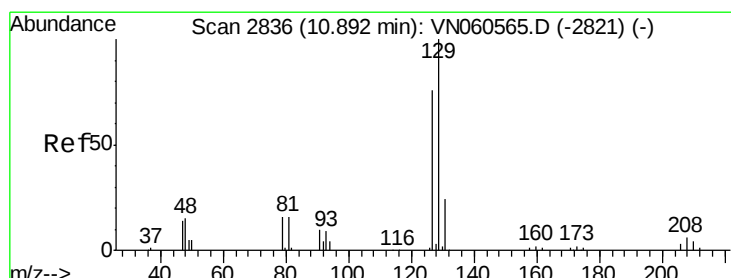
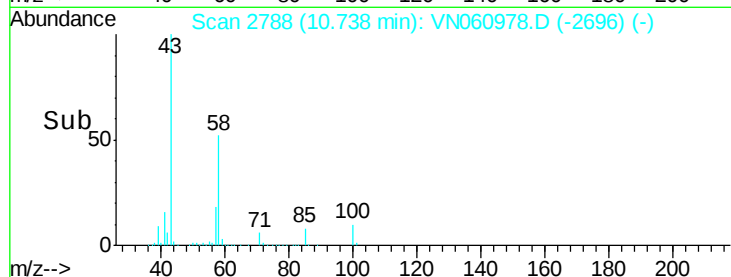
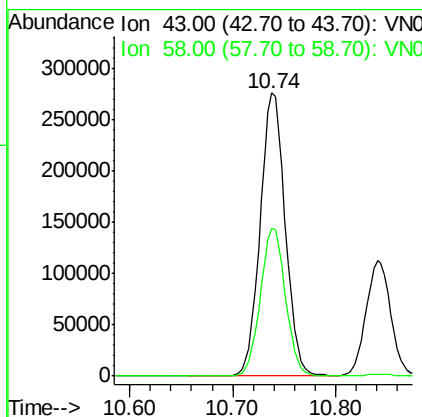
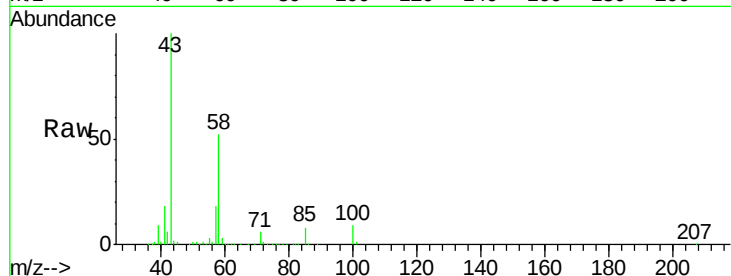
#59
2-Hexanone
Concen: 293.184 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 463551
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.1

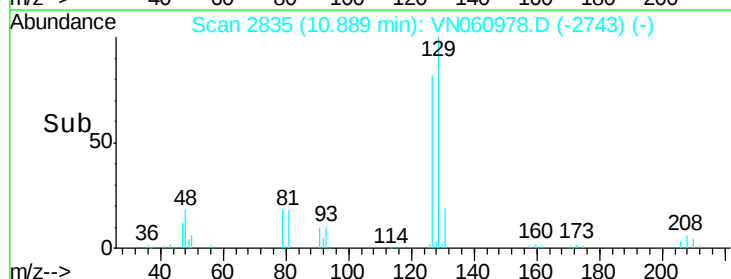
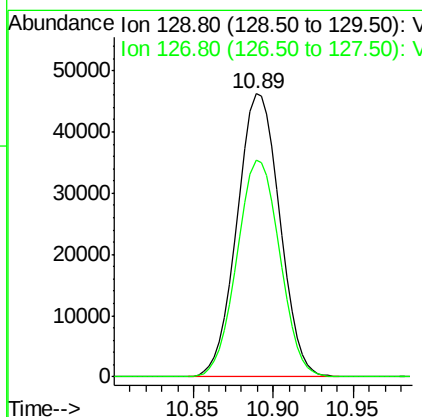
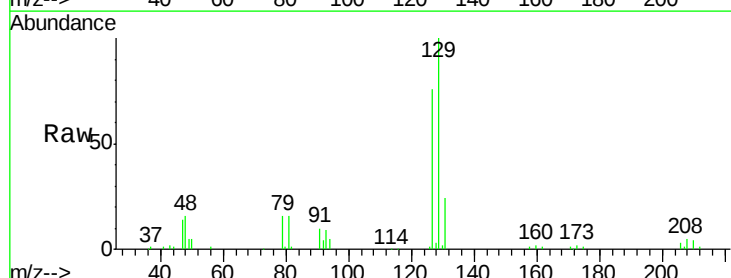
Manual Integrations
APPROVED

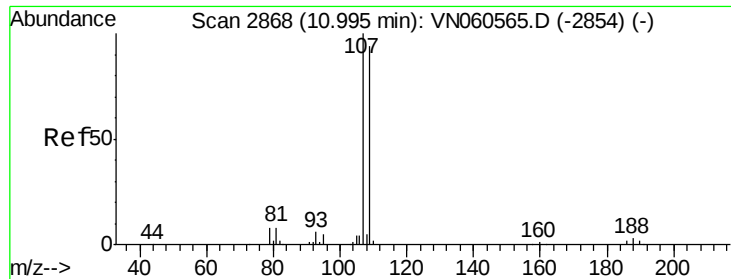
MMDadoda
4/16/2020 11:15:31 AM



#60
Dibromochloromethane
Concen: 53.687 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 129 Resp: 84190
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.697 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 80446

Ion Ratio Lower Upper

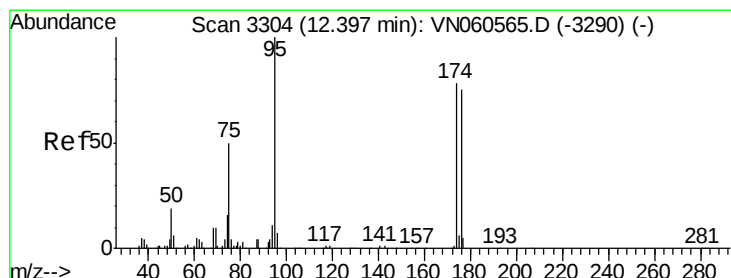
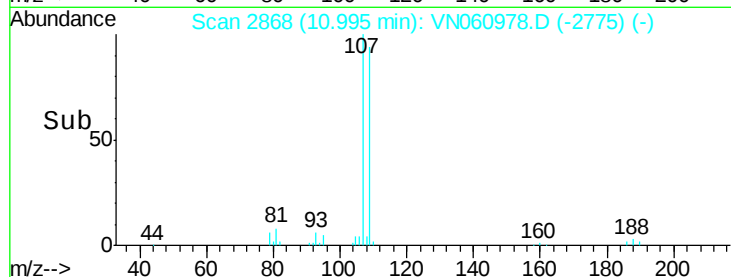
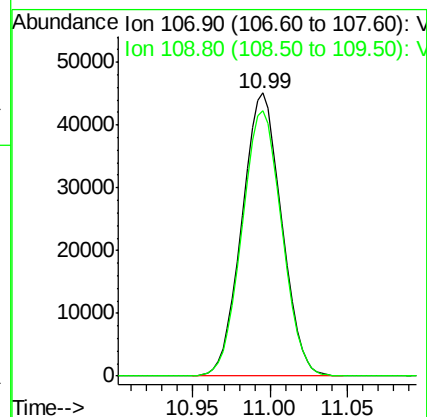
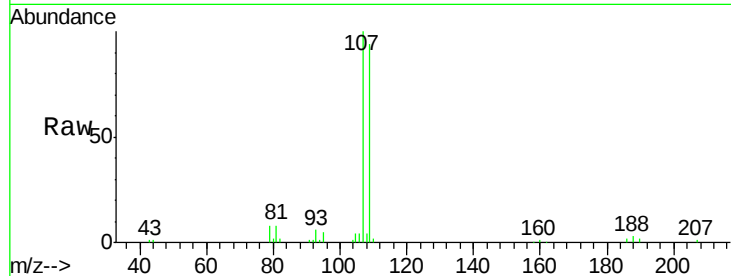
107 100

109 94.3 75.4 113.2

Manual Integrations
APPROVED

MMDadoda

4/16/2020 11:15:31 AM



#62

4-Bromofluorobenzene

Concen: 52.053 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

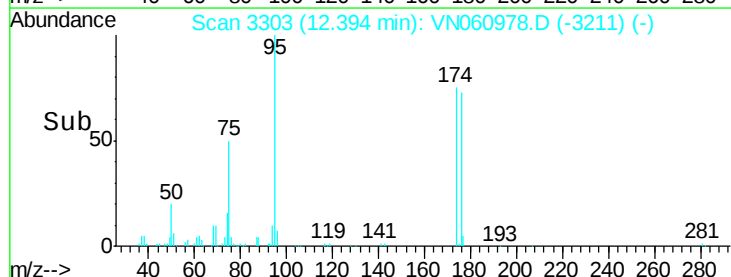
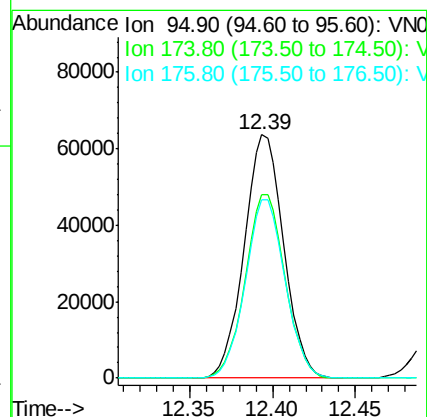
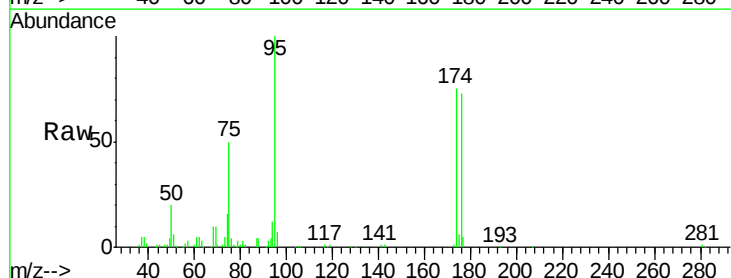
Tgt Ion: 95 Resp: 105321

Ion Ratio Lower Upper

95 100

174 75.9 0.0 157.6

176 73.7 0.0 150.6





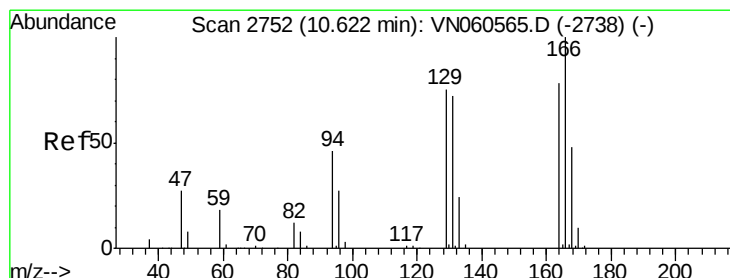
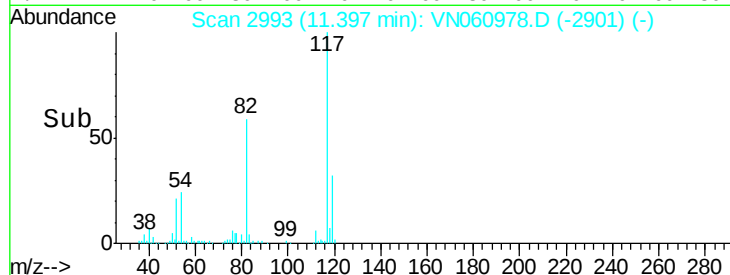
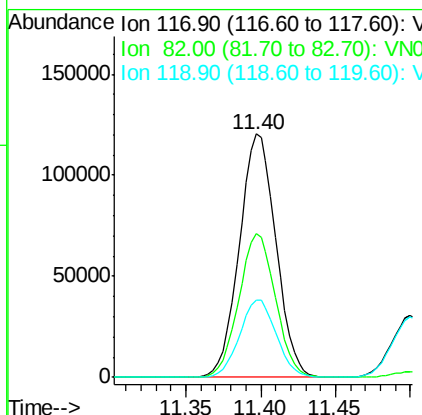
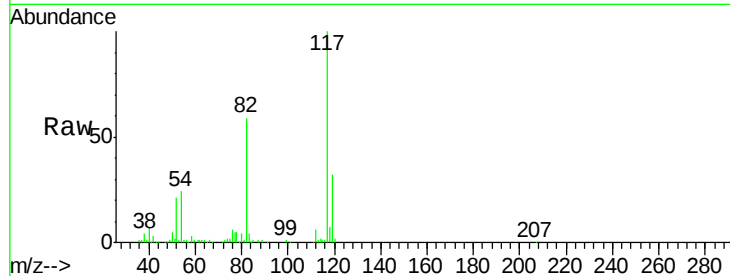
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.7	70.1
119	31.9	25.5	38.3

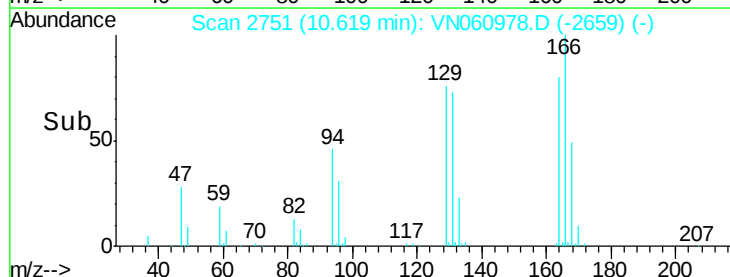
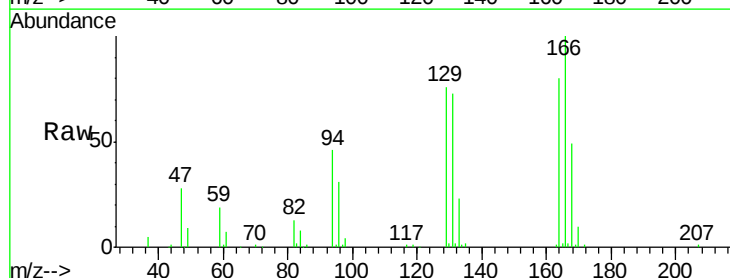
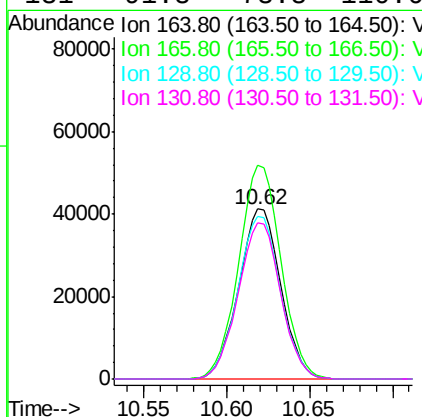
Manual Integrations
APPROVED

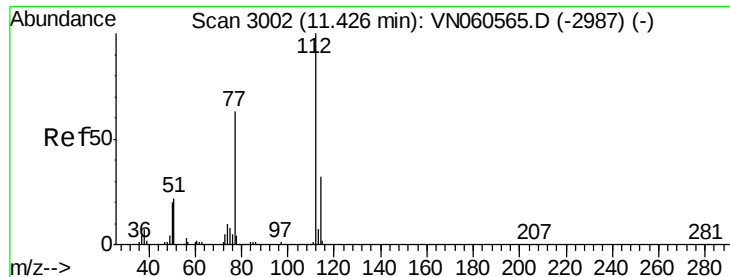
MMDadoda
4/16/2020 11:15:31 AM



#64
Tetrachloroethene
Concen: 45.176 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.7	154.1
129	95.8	77.2	115.8
131	91.8	73.8	110.6





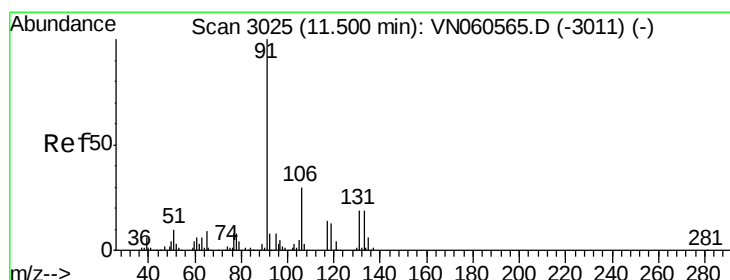
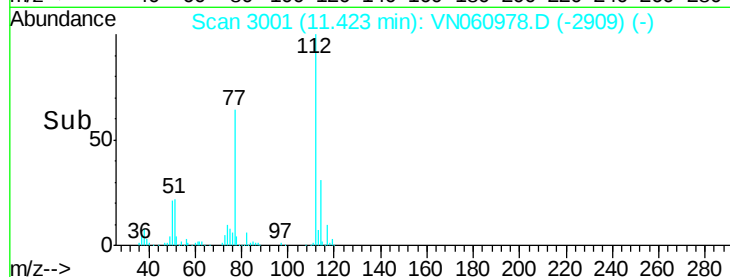
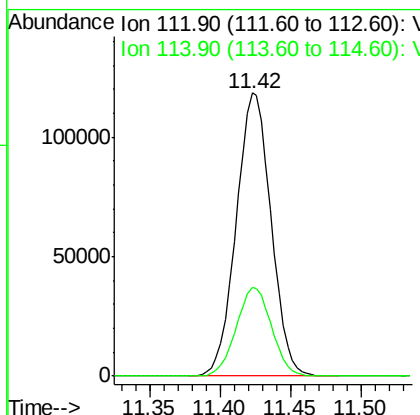
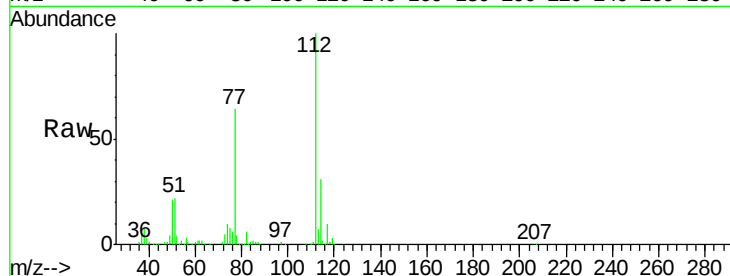
#65
Chlorobenzene
Concen: 50.500 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.8	38.6

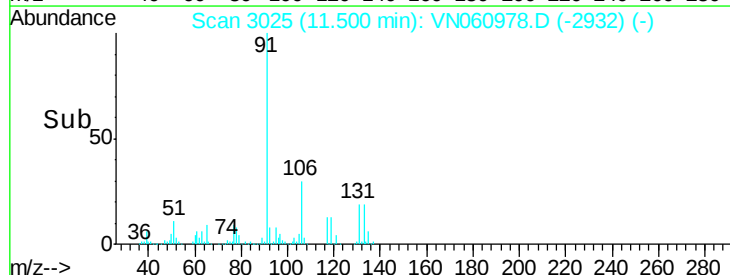
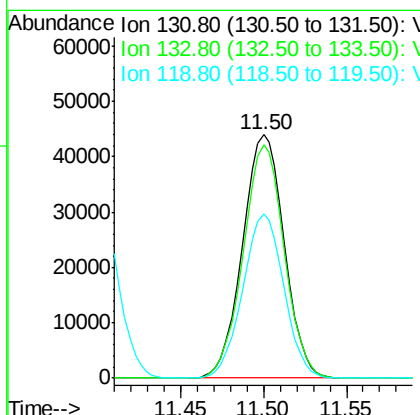
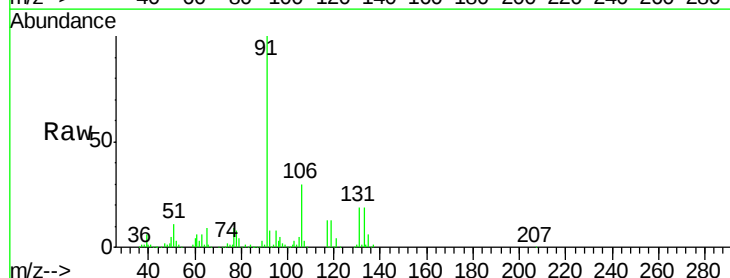
Manual Integrations
APPROVED

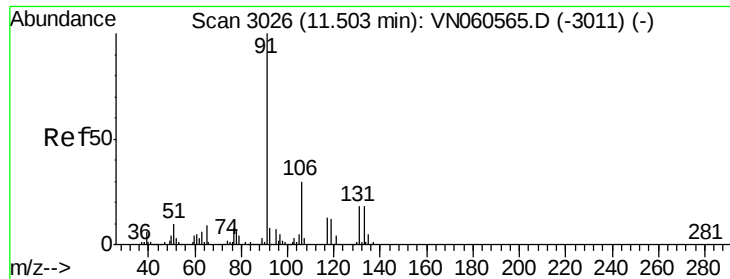
MMDadoda
4/16/2020 11:15:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.436 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.9	146.8
119	66.2	33.9	101.7





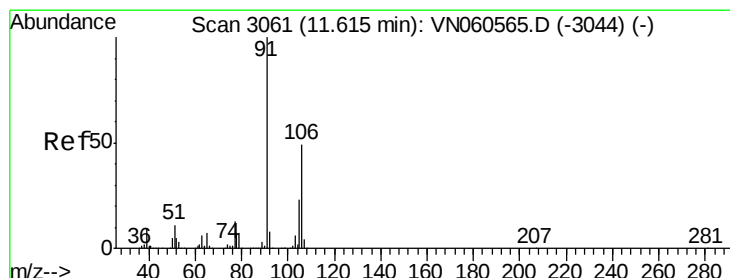
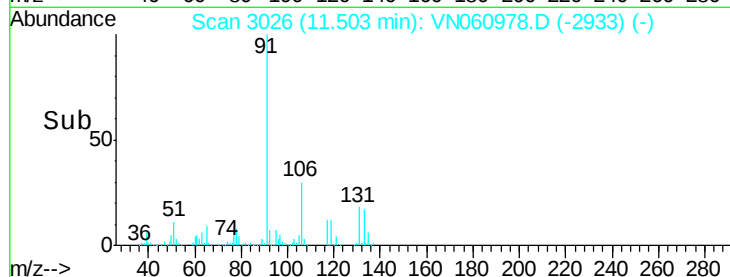
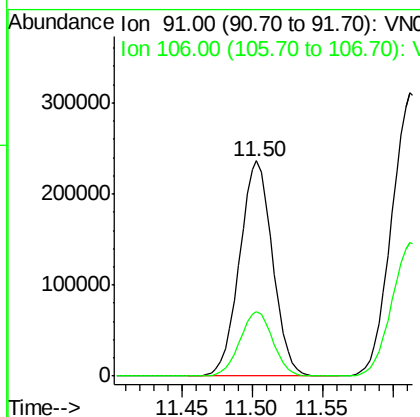
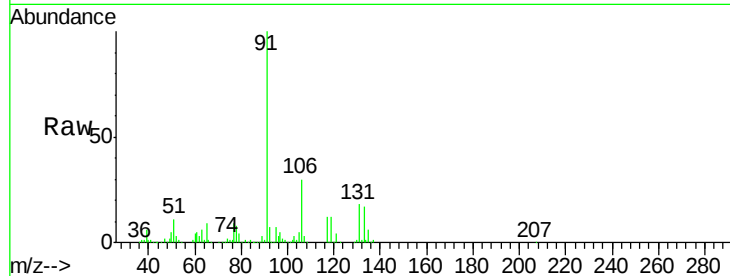
#67
Ethyl Benzene
Concen: 51.206 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 386503
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

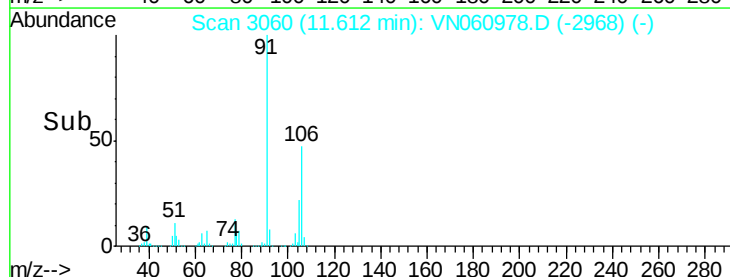
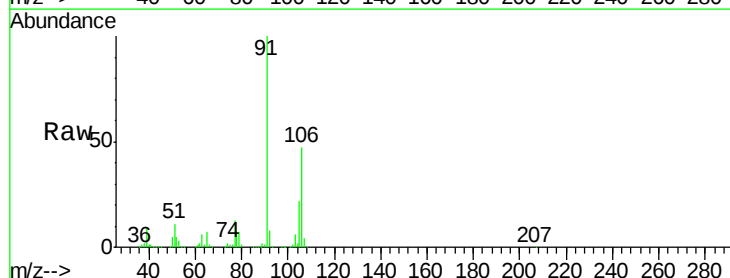
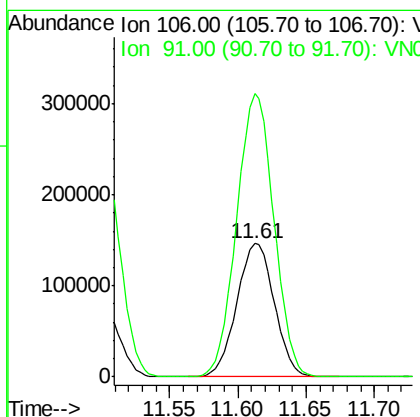
Manual Integrations
APPROVED

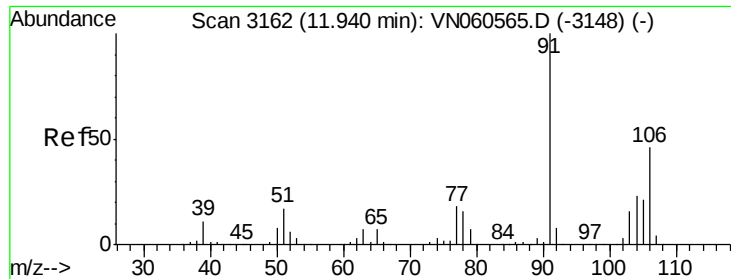
MMDadoda
4/16/2020 11:15:31 AM



#68
m/p-Xylenes
Concen: 99.455 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion: 106 Resp: 278957
Ion Ratio Lower Upper
106 100
91 211.2 165.0 247.4





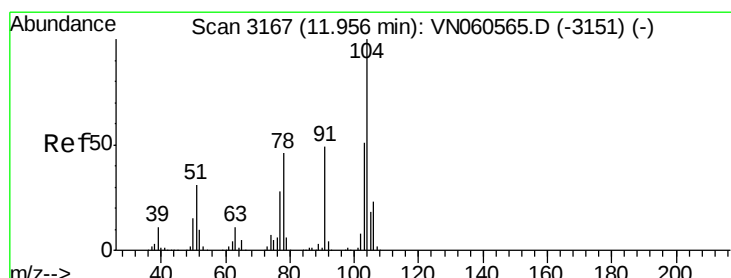
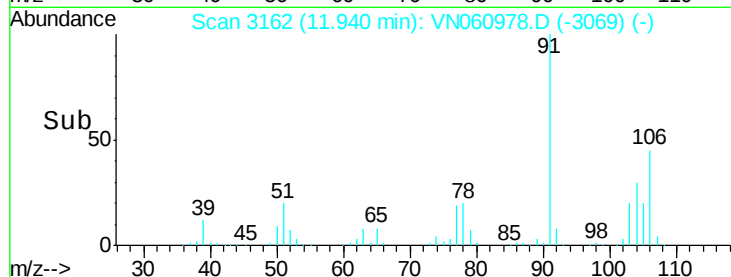
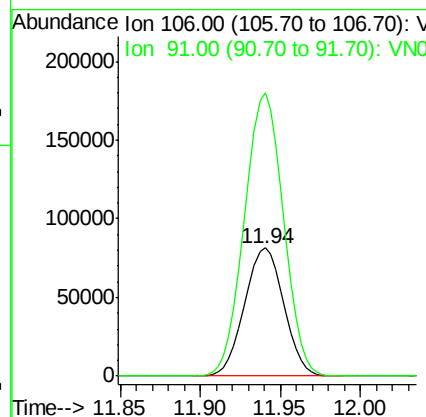
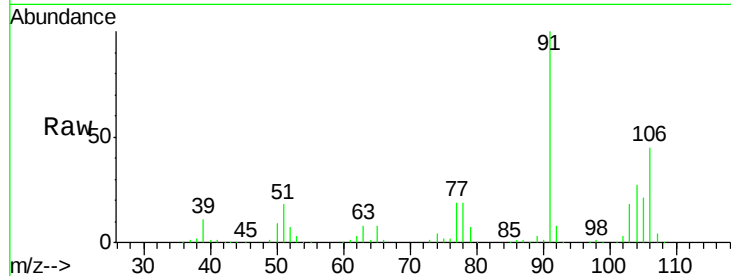
#69
o-Xylene
Concen: 50.795 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 136007
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4

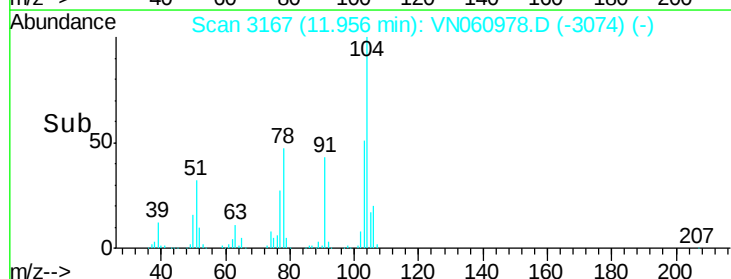
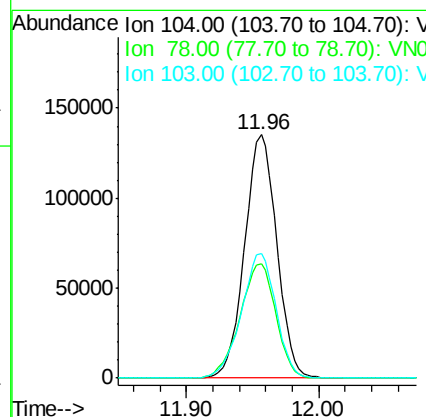
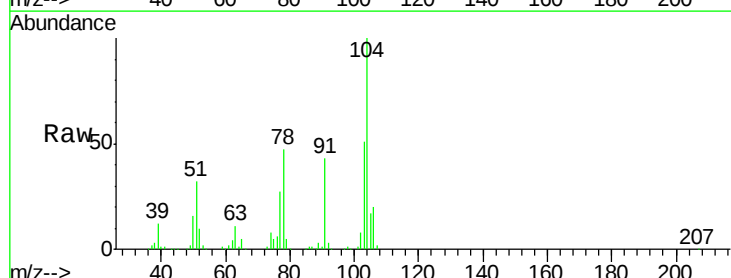
Manual Integrations
APPROVED

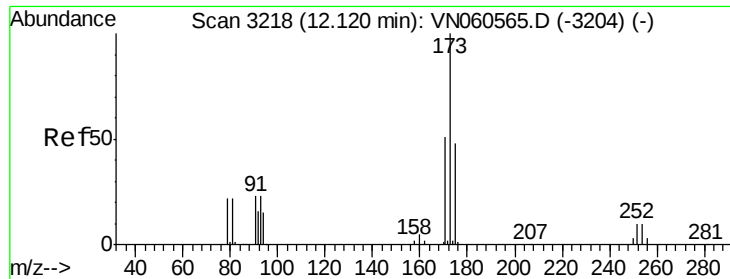
MMDadoda
4/16/2020 11:15:31 AM



#70
Styrene
Concen: 52.051 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion:104 Resp: 227942
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 55.0 44.0 66.0





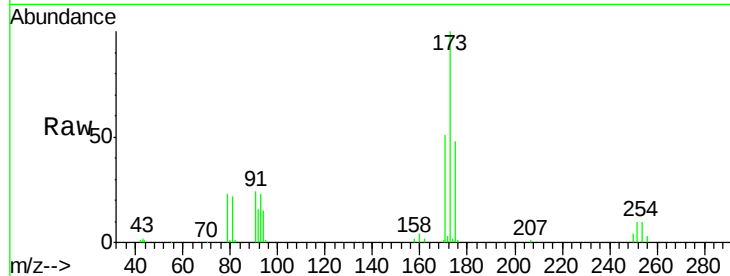
#71
Bromoform
Concen: 49.689 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

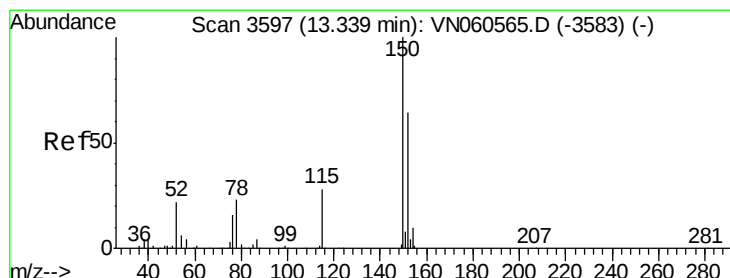
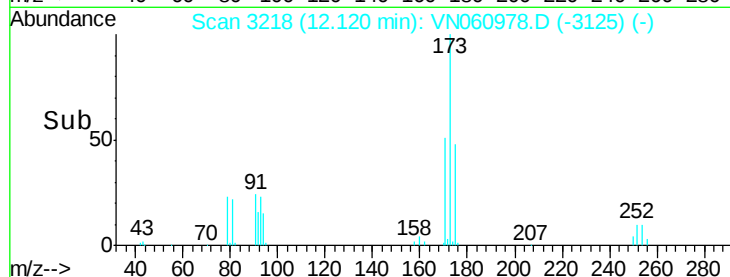
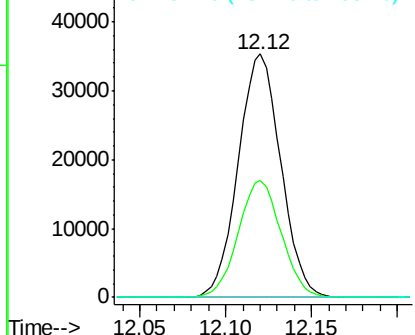
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



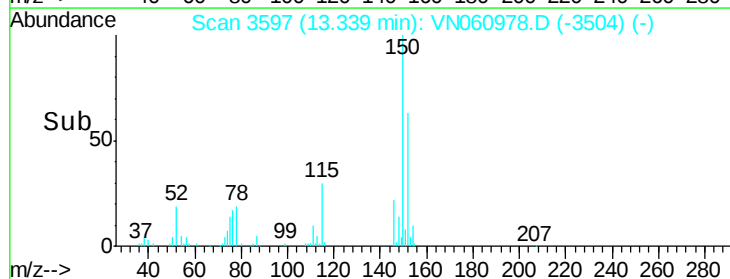
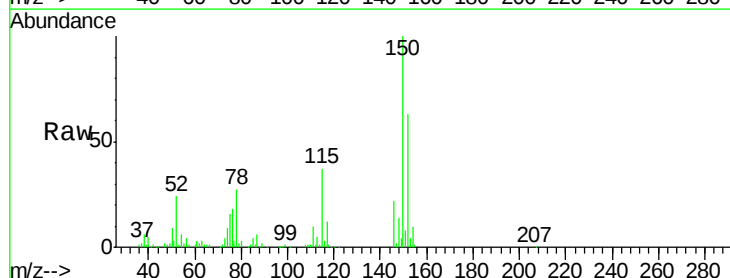
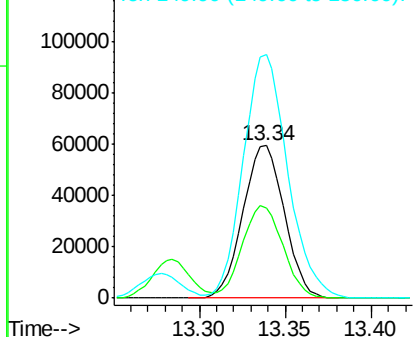
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

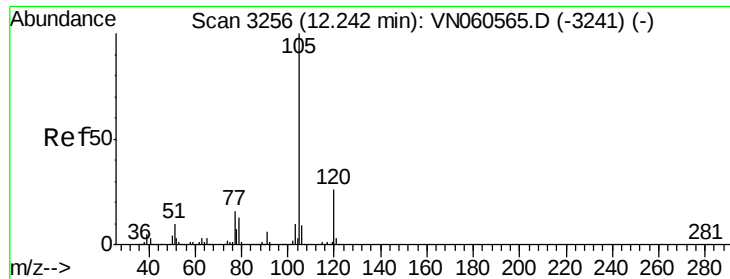


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.2	90.6
150	172.1	0.0	350.2

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





#73

Isopropylbenzene

Concen: 49.290 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 368653

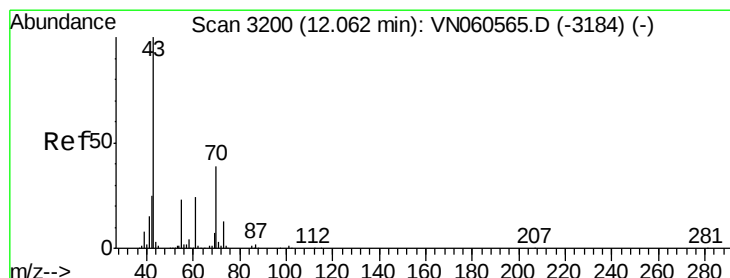
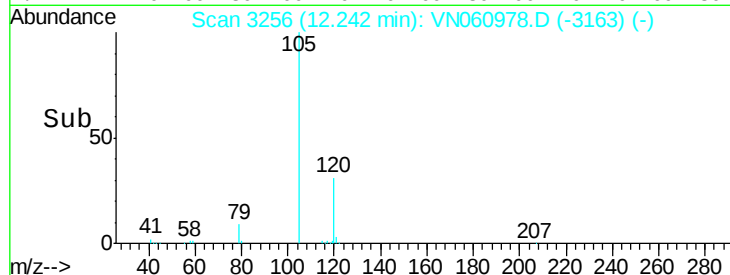
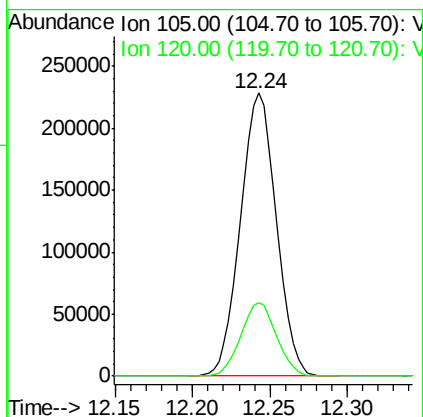
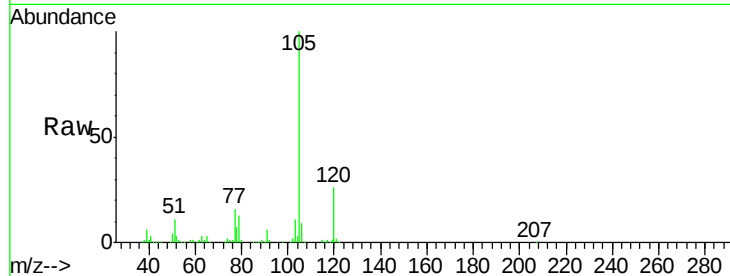
Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#74

N-ethyl acetate

Concen: 53.132 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion: 43 Resp: 183627

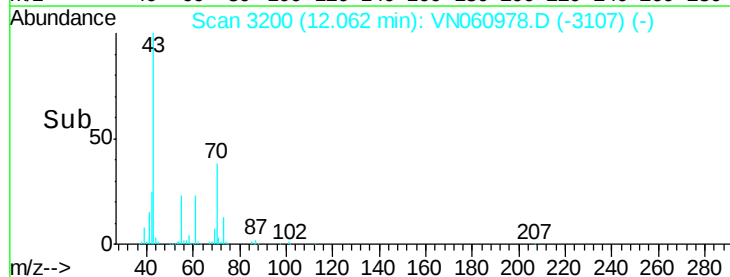
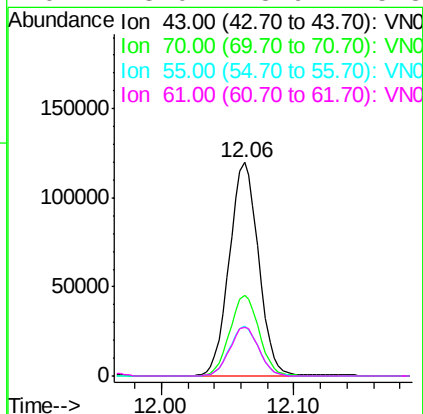
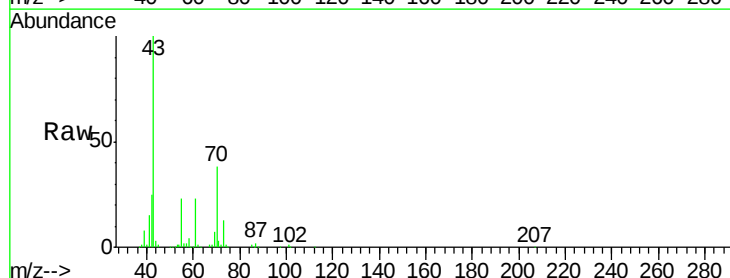
Ion Ratio Lower Upper

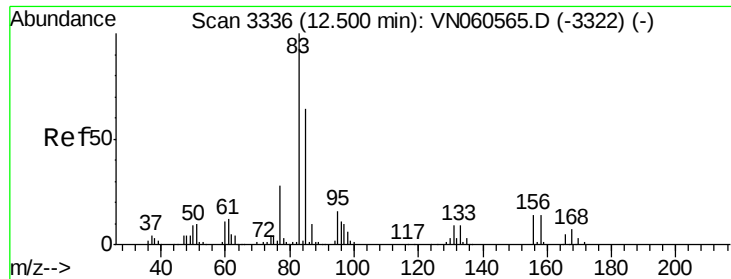
43 100

70 38.1 31.1 46.7

55 23.4 18.6 27.8

61 23.0 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.052 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

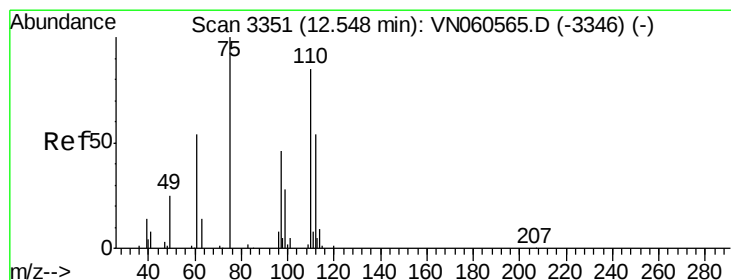
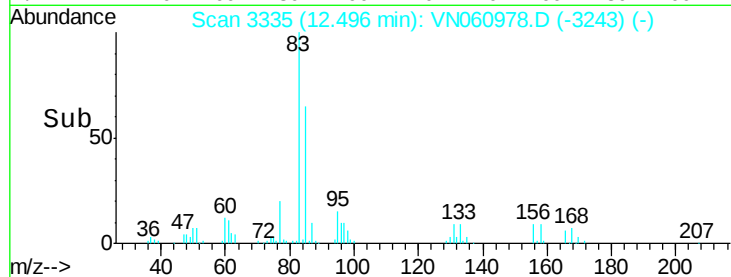
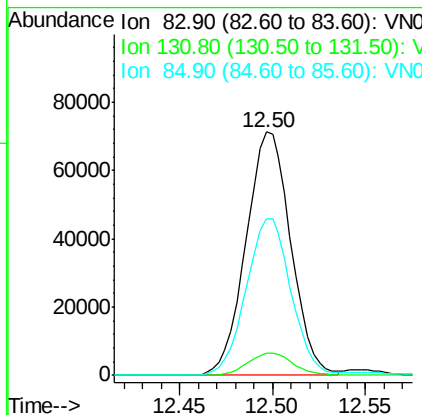
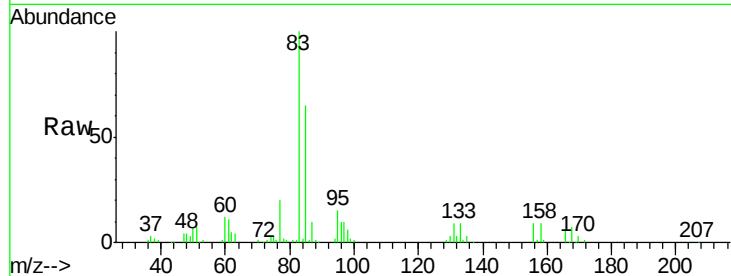
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119993
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	64.4	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#76

1,2,3-Trichloropropane

Concen: 52.651 ug/l m

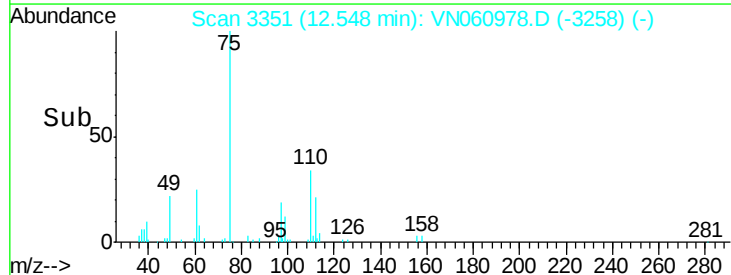
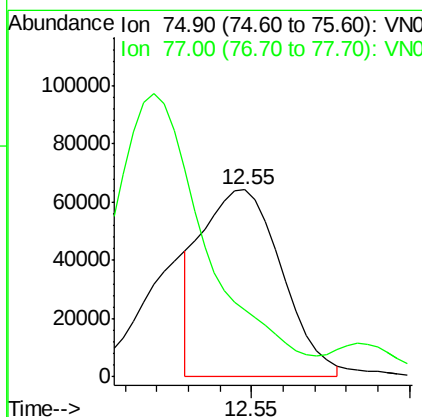
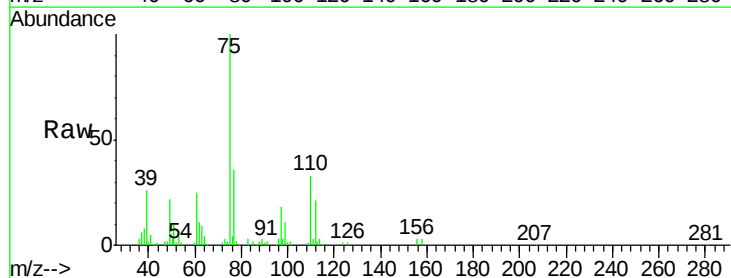
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion:	75	Resp:	113226
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.206 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 86879

Ion Ratio Lower Upper

156 100

77 230.9 112.3 337.0

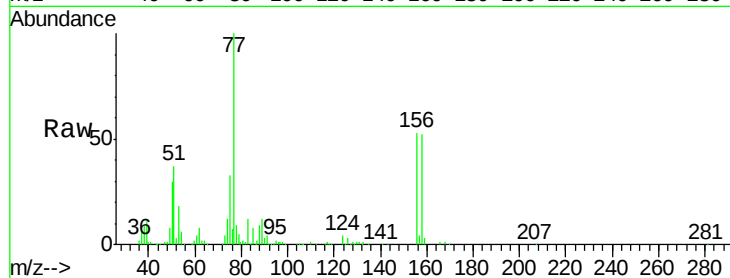
158 98.4 48.6 145.8

Manual Integrations

APPROVED

MMDadoda

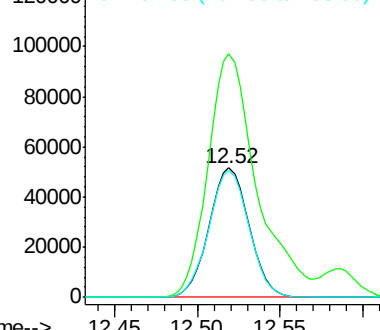
4/16/2020 11:15:31 AM



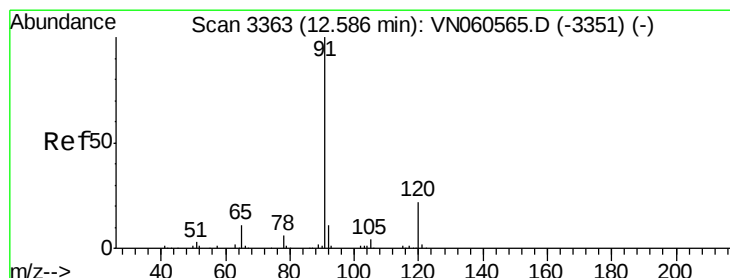
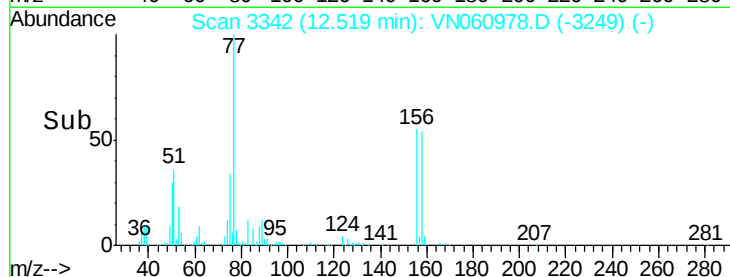
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 49.743 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060978.D

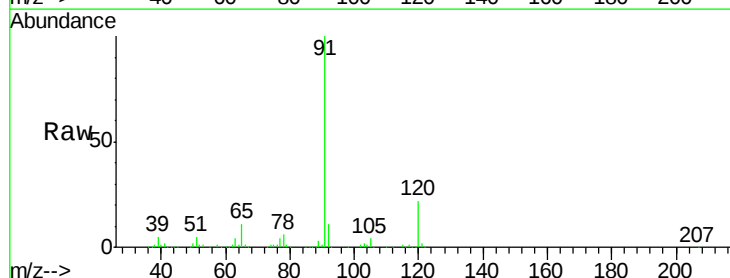
Acq: 15 Apr 2020 21:31

Tgt Ion: 91 Resp: 439538

Ion Ratio Lower Upper

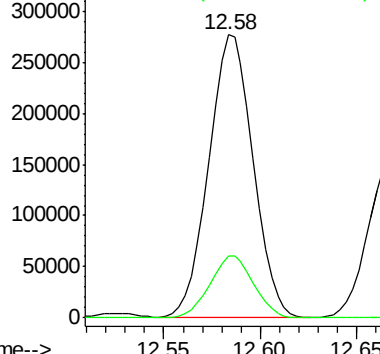
91 100

120 21.7 11.3 33.8

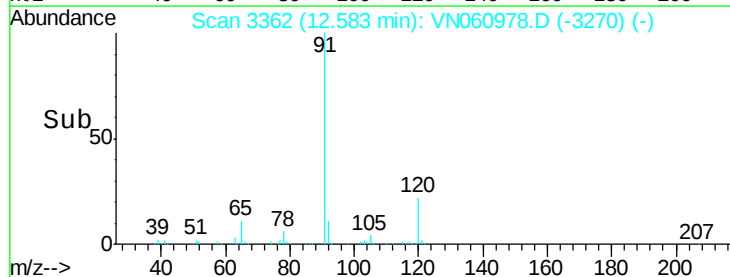


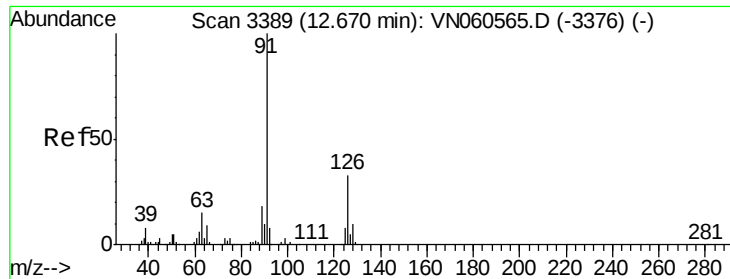
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 48.813 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 257714

Ion Ratio Lower Upper

91 100

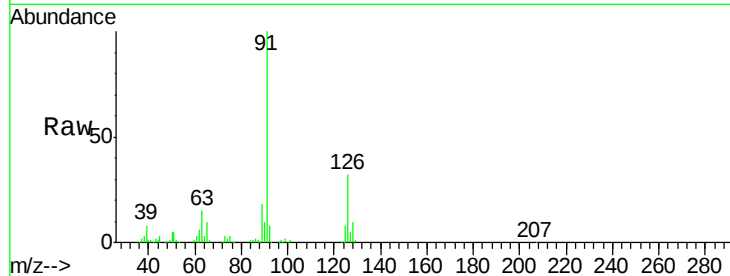
126 32.1 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

4/16/2020 11:15:31 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060978.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060978.D (-3376) (-)

300000

250000

200000

150000

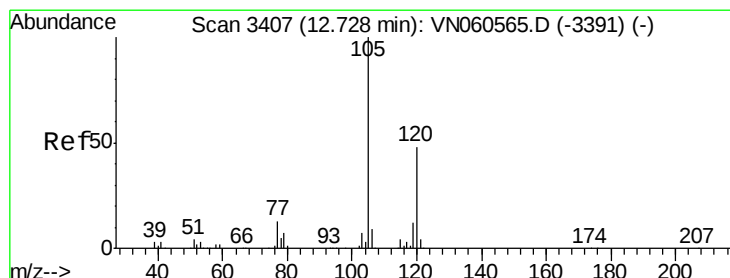
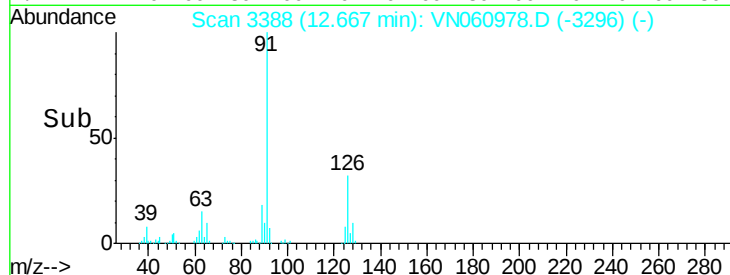
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.052 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060978.D

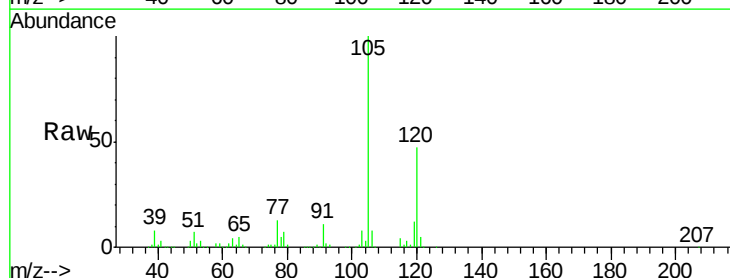
Acq: 15 Apr 2020 21:31

Tgt Ion: 105 Resp: 311338

Ion Ratio Lower Upper

105 100

120 46.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060978.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060978.D (-3391) (-)

200000

150000

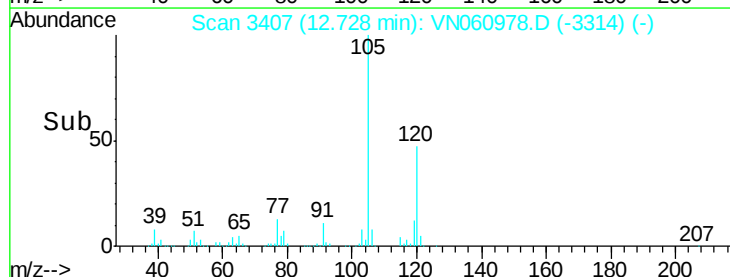
100000

50000

0

12.65 12.70 12.75 12.80

Time-->





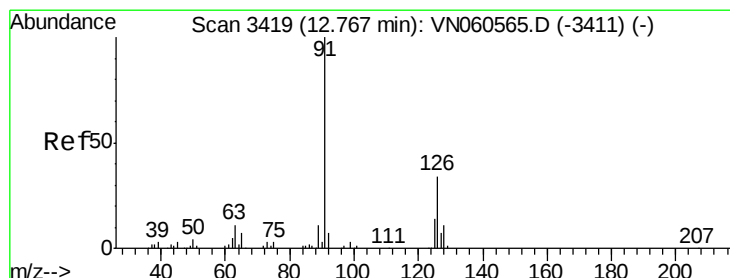
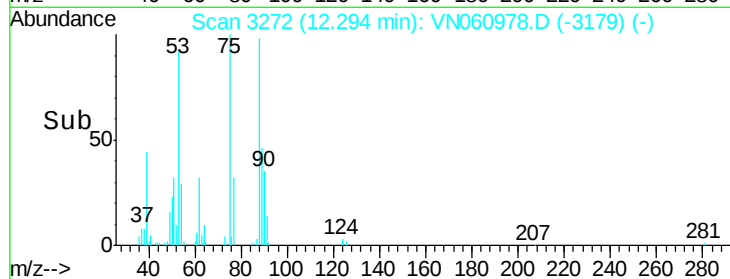
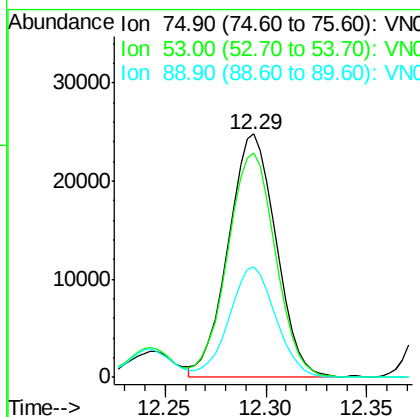
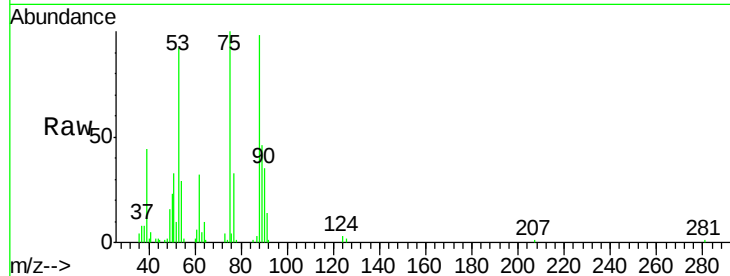
#81
trans-1,4-Dichloro-2-butene
Concen: 49.244 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	73.0	109.4
89	43.9	34.8	52.2

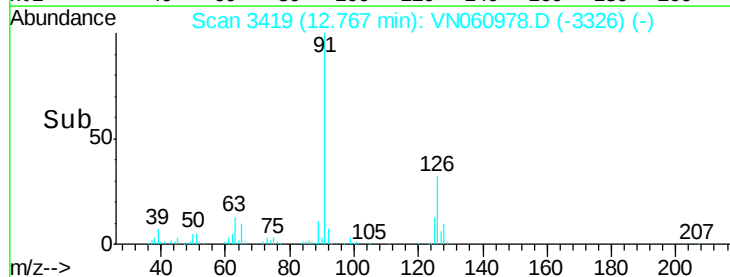
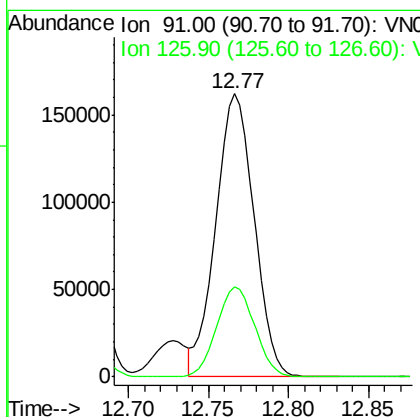
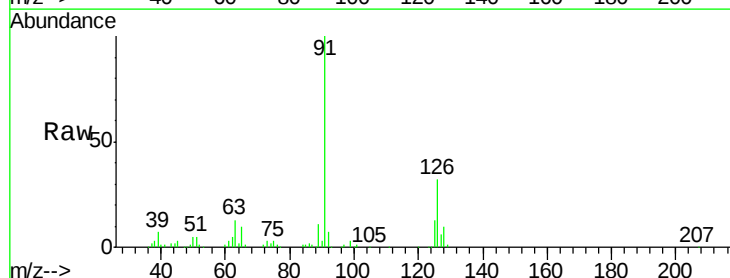
Manual Integrations
APPROVED

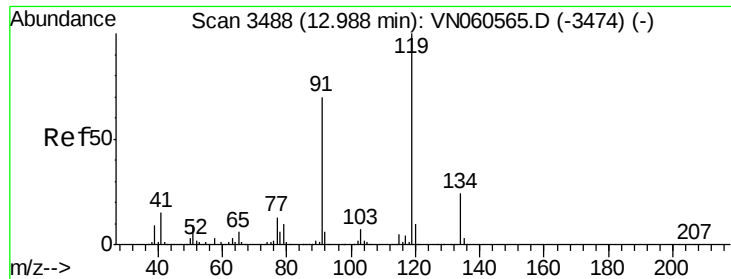
MMDadoda
4/16/2020 11:15:31 AM



#82
4-Chlorotoluene
Concen: 49.684 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.2	48.5





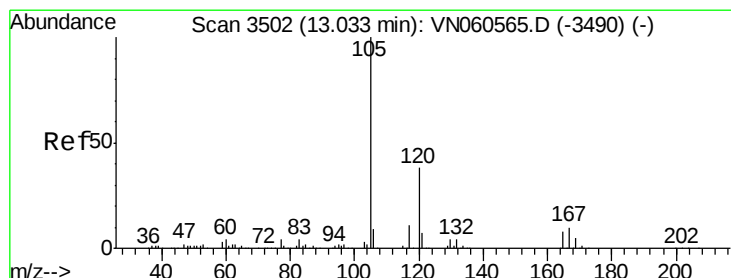
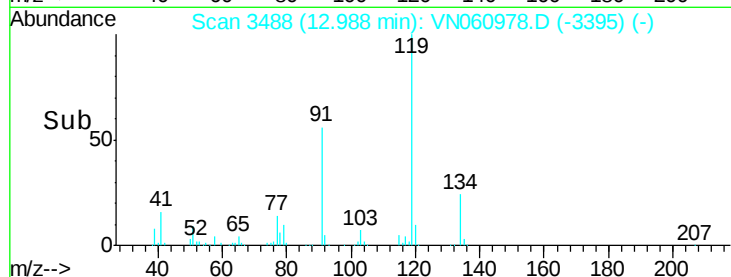
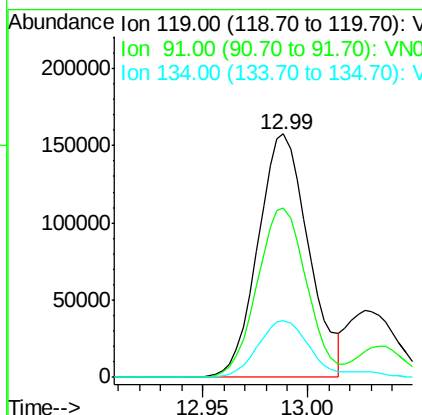
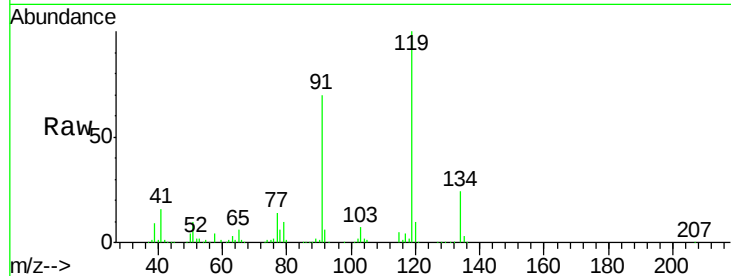
#83
 tert-Butylbenzene
 Concen: 49.974 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.0	101.8
134	25.2	12.7	38.0

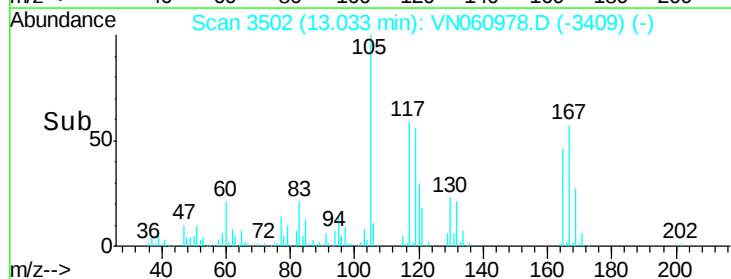
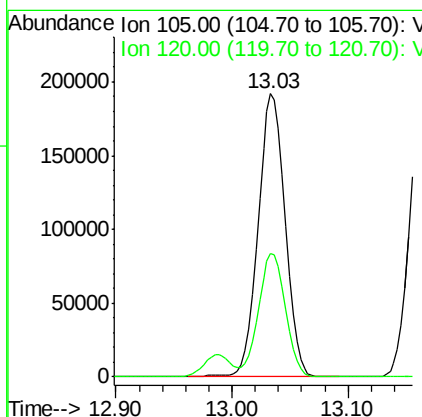
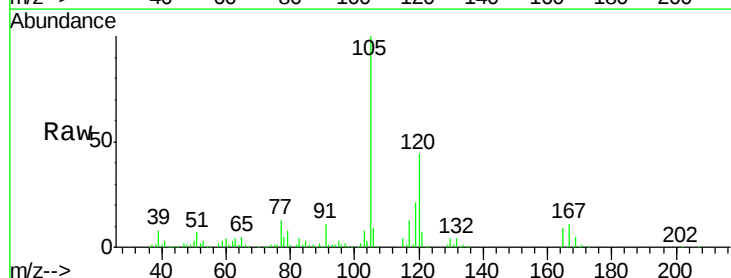
Manual Integrations
 APPROVED

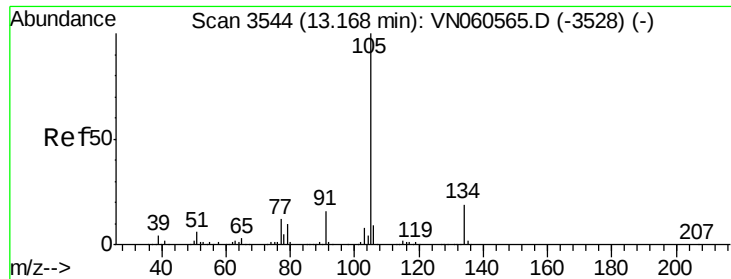
MMDadoda
 4/16/2020 11:15:31 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.589 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.614 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 358107

Ion Ratio Lower Upper

105 100

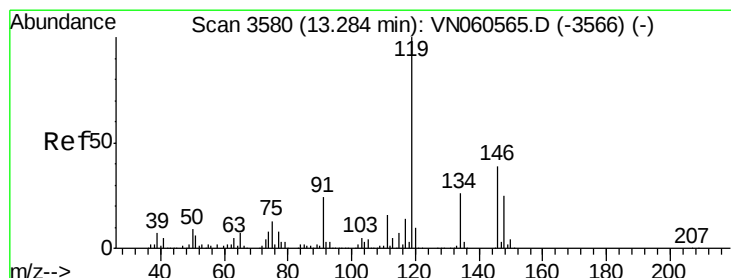
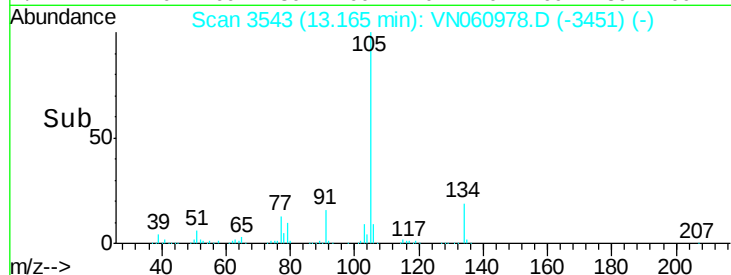
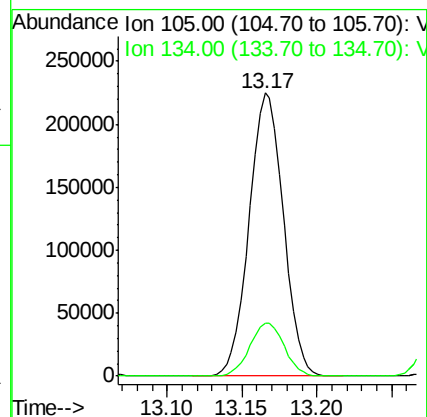
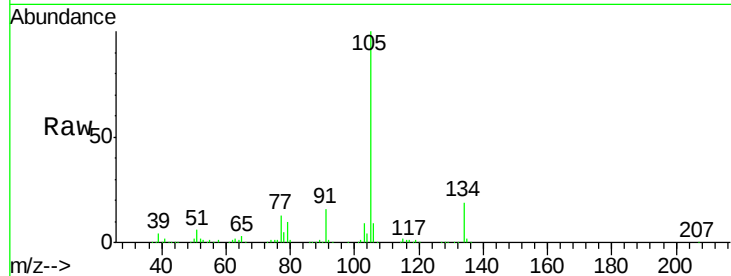
134 18.9 9.6 28.8

Manual Integrations

APPROVED

MMDadoda

4/16/2020 11:15:31 AM



#86

p-Isopropyltoluene

Concen: 49.779 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

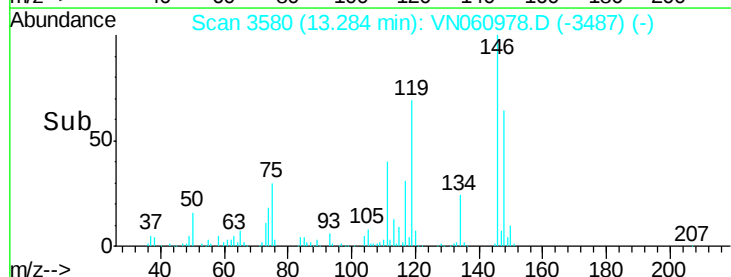
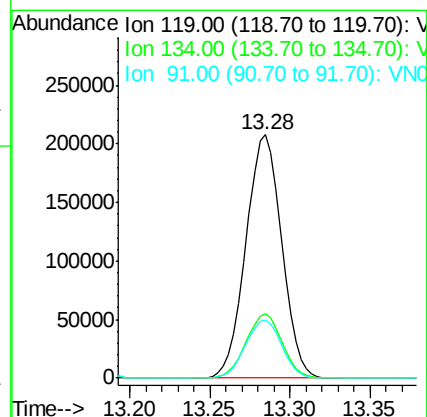
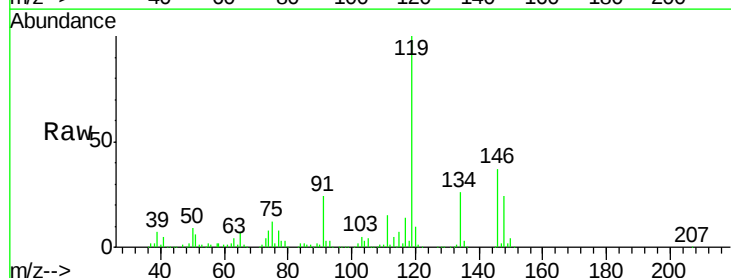
Tgt Ion:119 Resp: 316703

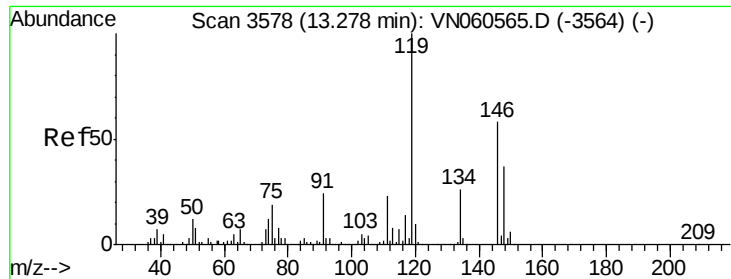
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 24.4 12.0 36.0





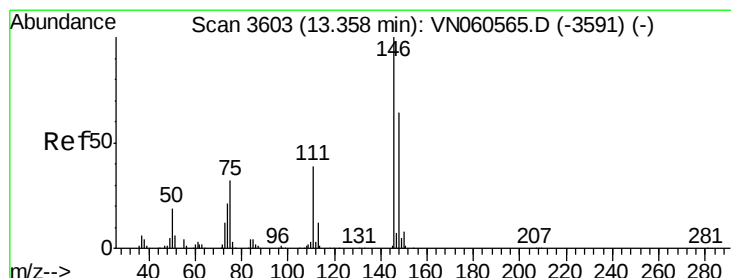
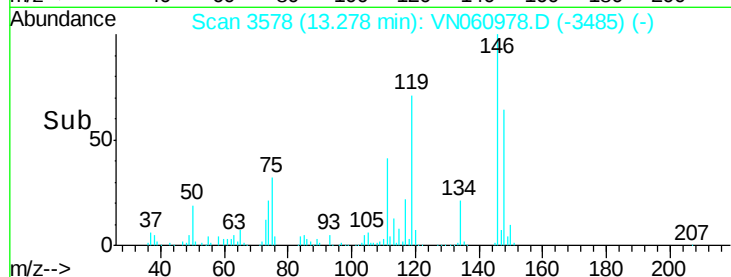
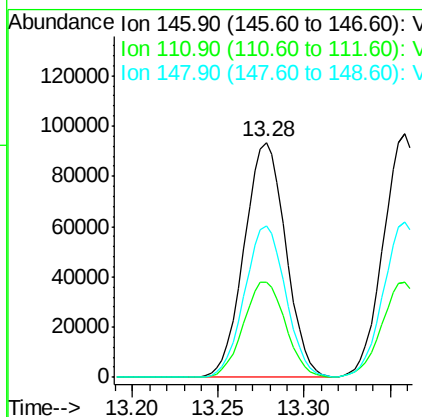
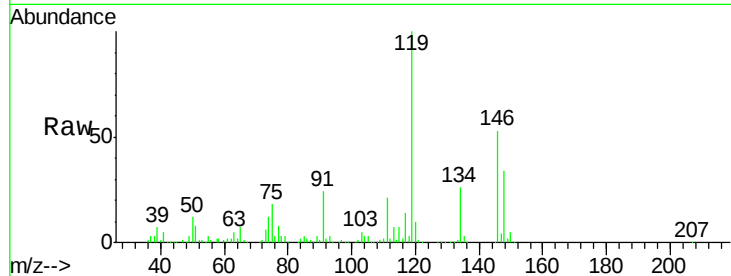
#87
 1,3-Dichlorobenzene
 Concen: 49.373 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.7	32.5	97.4

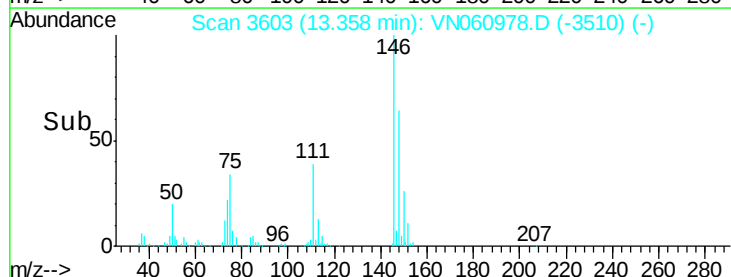
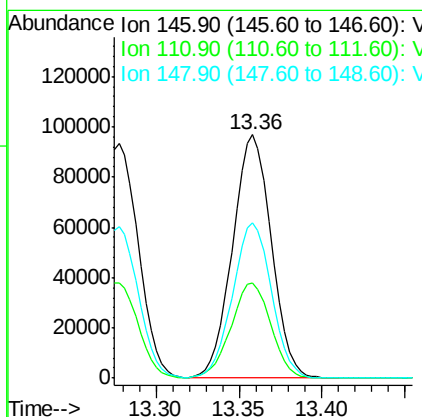
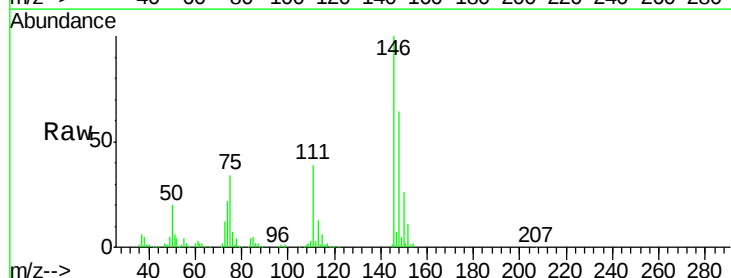
Manual Integrations
 APPROVED

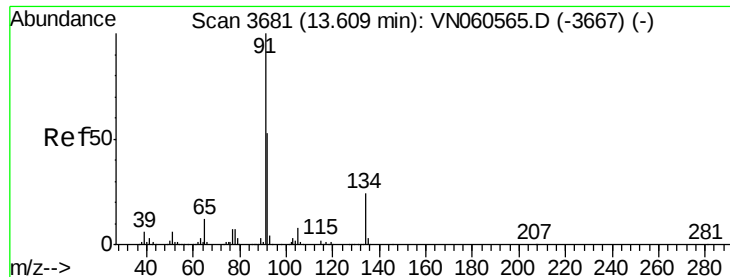
MMDadoda
 4/16/2020 11:15:31 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.410 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060978.D
 Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.7
148	63.7	32.1	96.3





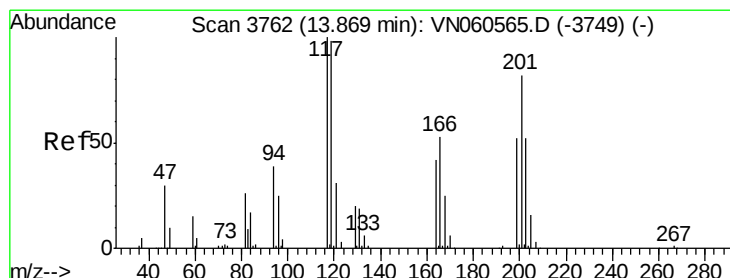
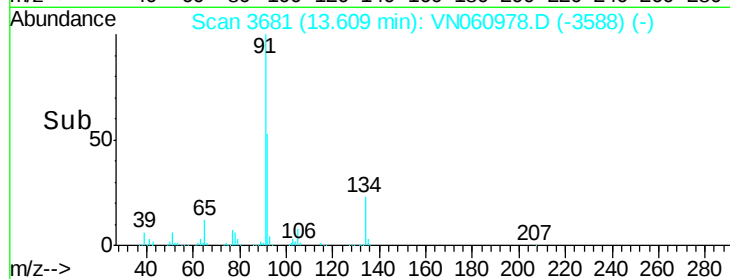
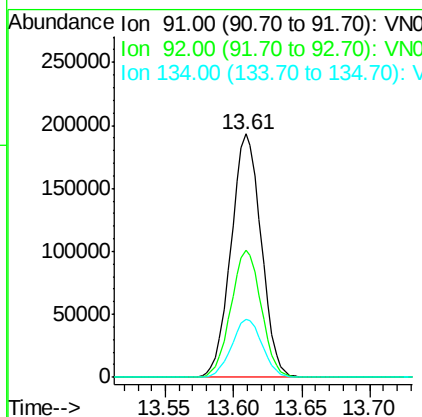
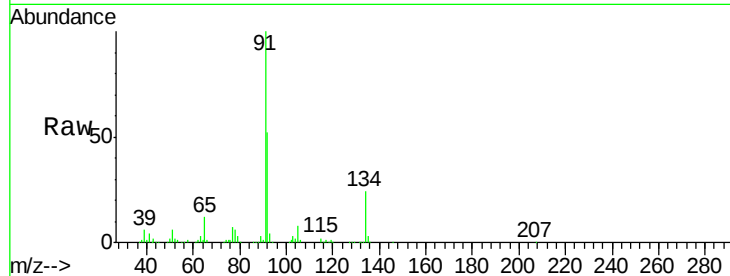
#89
n-Butylbenzene
Concen: 51.661 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	24.0	12.3	36.9

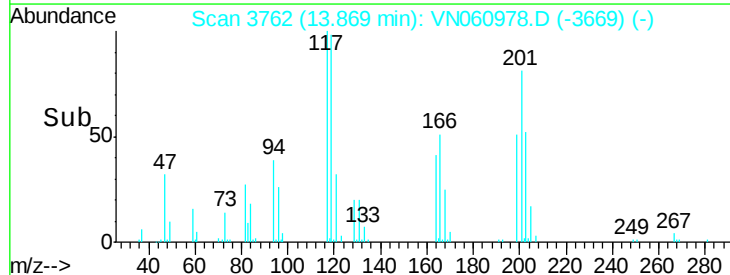
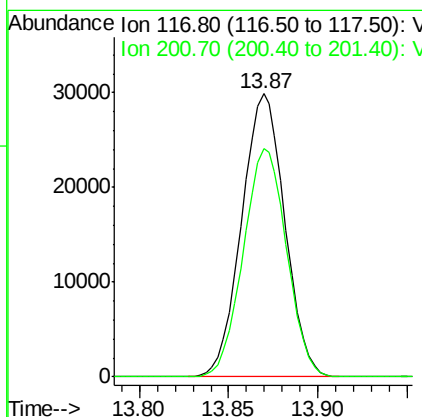
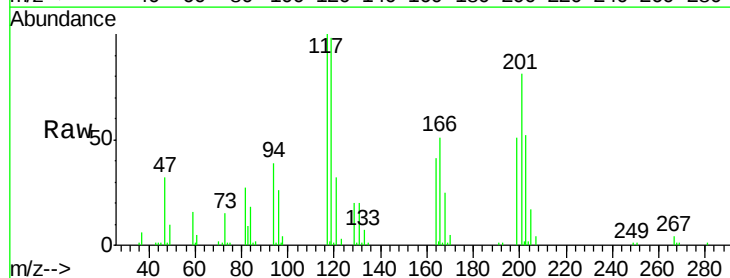
Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#90
Hexachloroethane
Concen: 54.685 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 50.548 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

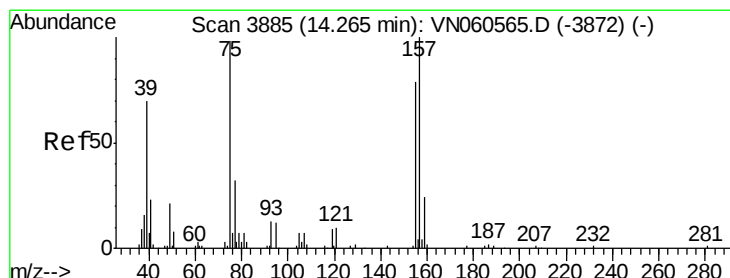
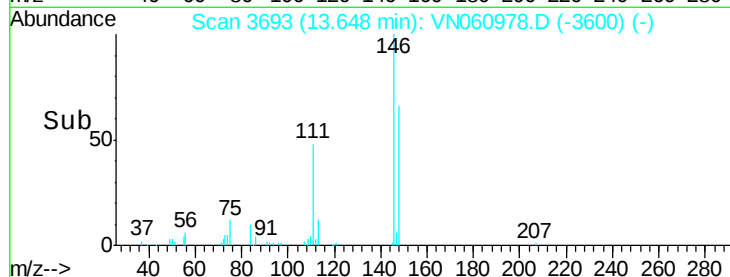
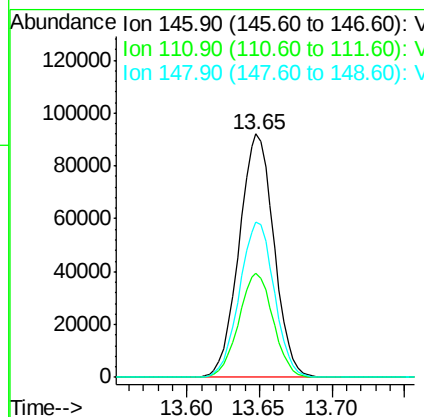
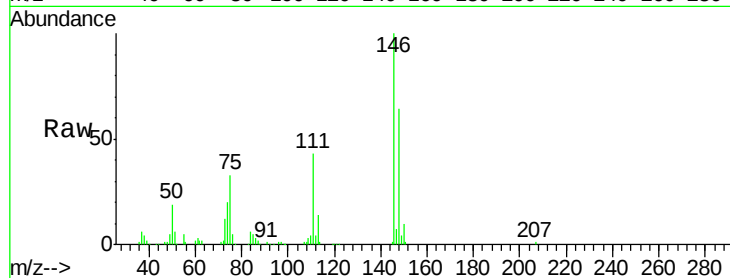
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	153634
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.0	63.0
148	63.7	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.545 ug/l

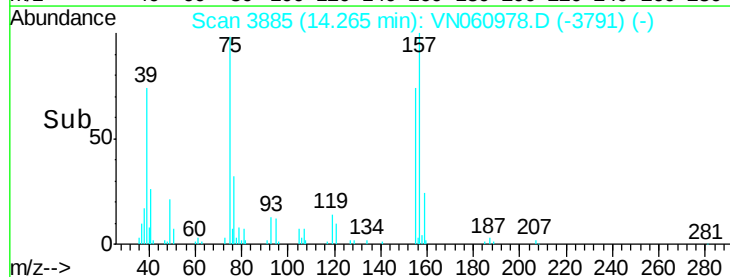
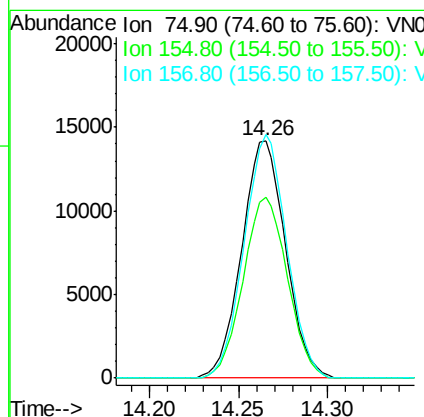
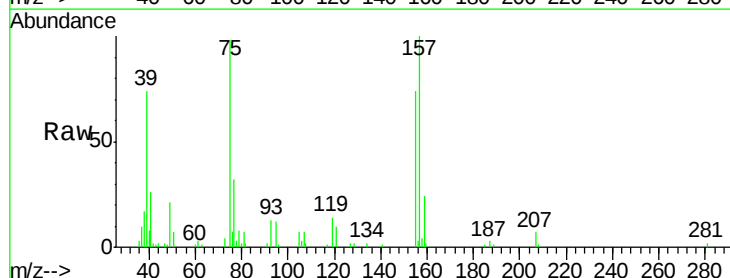
RT: 14.26 min Scan# 3885

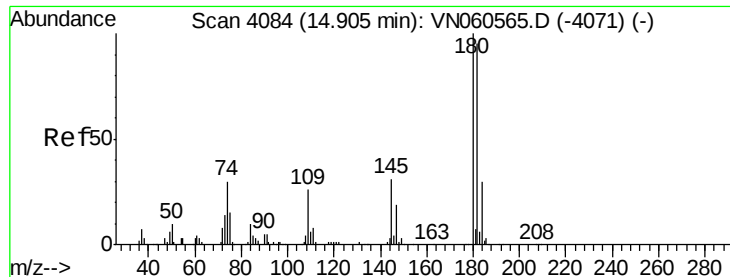
Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Tgt Ion:	75	Resp:	24415
Ion Ratio	Lower	Upper	
75	100		
155	76.7	40.7	122.1
157	99.4	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 51.396 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060978.D

Acq: 15 Apr 2020 21:31

Instrument :

MSVOA_N

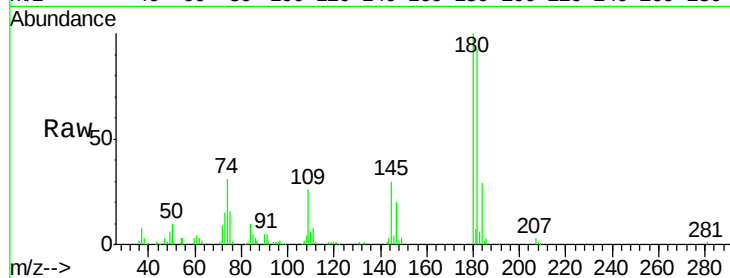
ClientSampleId :

VSTDCCC050

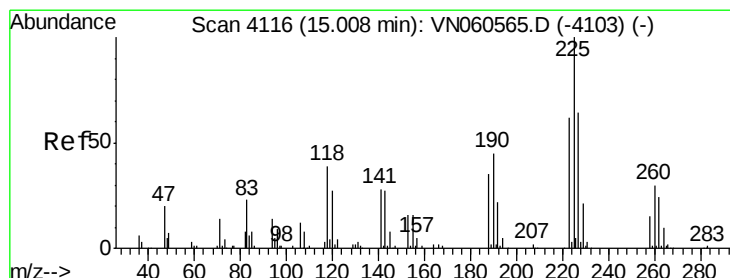
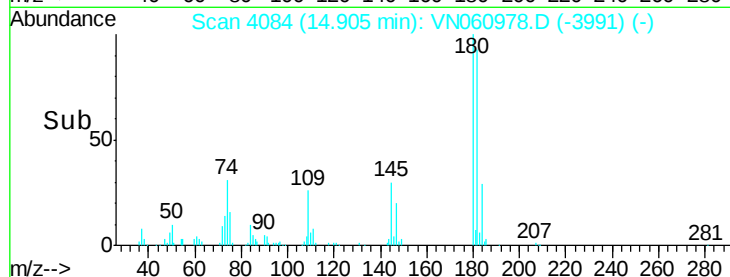
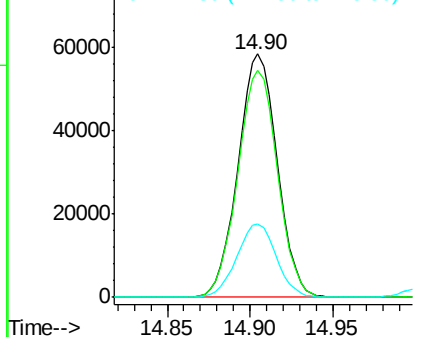
Tot Ion:	180	Resp:	95928
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.9	143.8
145	30.4	15.4	46.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



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



#94

Hexachlorobutadiene

Concen: 49.945 ug/l

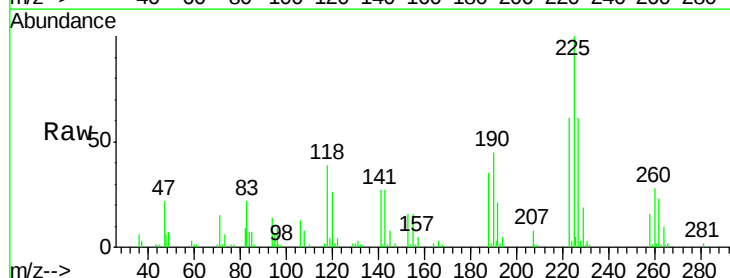
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

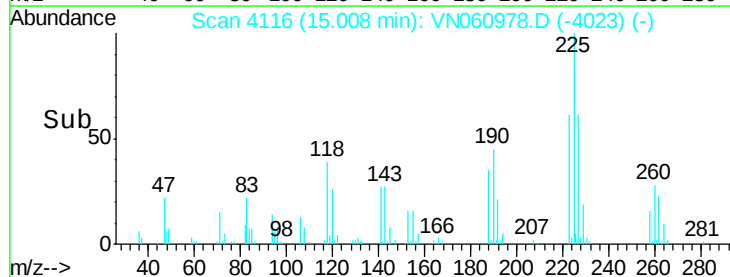
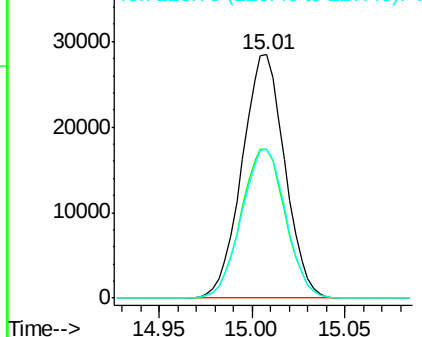
Lab File: VN060978.D

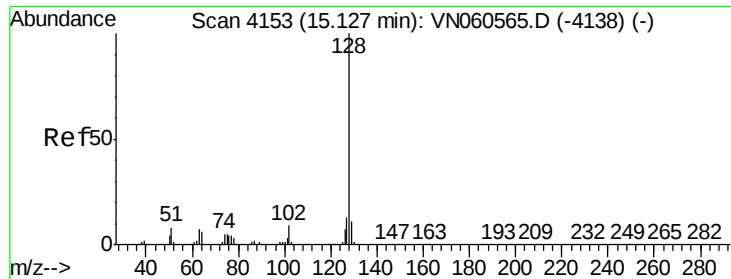
Acq: 15 Apr 2020 21:31

Tgt Ion:	225	Resp:	45699
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.6	95.0
227	63.3	32.3	96.8



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





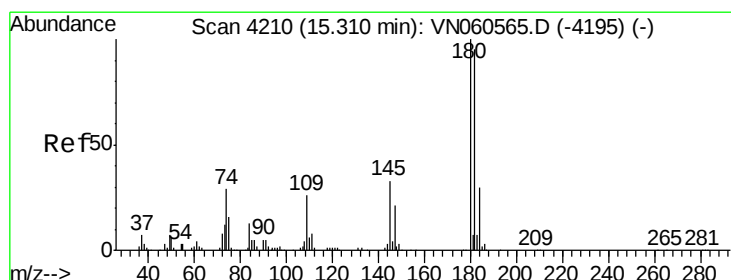
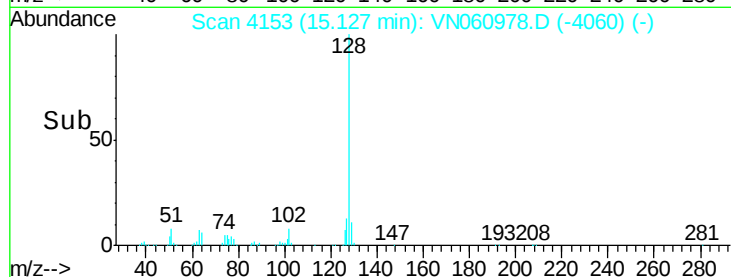
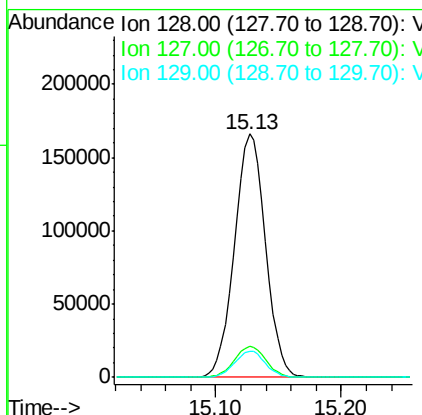
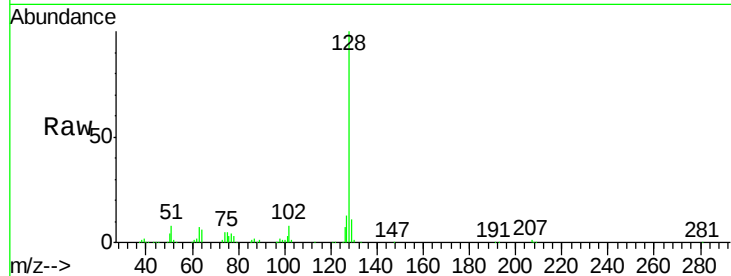
#95
Naphthalene
Concen: 50.880 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	285636		
127	12.9		10.2	15.2
129	10.5		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.447 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060978.D
Acq: 15 Apr 2020 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92743		
182	95.0		47.5	142.6
145	32.3		16.3	48.8

