

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062484.D
 Acq On : 10 Jul 2020 10:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:02 AM

Quant Time: Jul 11 02:16:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	199772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	342513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	315210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	146189	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
35) Dibromofluoromethane	7.54	113	103269	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.06	98	399634	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.37	95	148737	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	90930	44.686	ug/l	97
3) Chloromethane	2.03	50	141177	43.239	ug/l	98
4) Vinyl Chloride	2.16	62	117334	43.863	ug/l	99
5) Bromomethane	2.52	94	61434	42.761	ug/l	99
6) Chloroethane	2.66	64	74016	47.507	ug/l	96
7) Trichlorofluoromethane	2.98	101	159989	47.092	ug/l	100
8) Diethyl Ether	3.37	74	76955	50.656	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	96861	48.095	ug/l	99
10) Methyl Iodide	3.91	142	115034	43.258	ug/l	99
11) Tert butyl alcohol	4.73	59	136373	267.547	ug/l	99
12) 1,1-Dichloroethene	3.69	96	94489	46.082	ug/l	98
13) Acrolein	3.56	56	105454	286.795	ug/l	100
14) Allyl chloride	4.27	41	227041	47.080	ug/l	98
15) Acrylonitrile	4.92	53	354578	265.241	ug/l	100
16) Acetone	3.77	43	328144	251.537	ug/l	97
17) Carbon Disulfide	4.00	76	277054	43.120	ug/l	100
18) Methyl Acetate	4.27	43	164310	50.470	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	404790	52.070	ug/l	100
20) Methylene Chloride	4.50	84	127697	45.782	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	106847	48.100	ug/l	95
22) Diisopropyl ether	5.90	45	478654	50.239	ug/l	97
23) Vinyl Acetate	5.84	43	2036136	257.984	ug/l	100
24) 1,1-Dichloroethane	5.80	63	237109	48.161	ug/l	100
25) 2-Butanone	6.78	43	495527	260.089	ug/l	98
26) 2,2-Dichloropropane	6.77	77	184733	48.937	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	127675	49.622	ug/l	99
28) Bromochloromethane	7.15	49	130535	48.802	ug/l	96
29) Tetrahydrofuran	7.16	42	327387	255.233	ug/l	99
30) Chloroform	7.33	83	220964	49.708	ug/l	98
31) Cyclohexane	7.61	56	201102	43.087	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	175490	47.461	ug/l	99
36) 1,1-Dichloropropene	7.75	75	161549	46.815	ug/l	99
37) Ethyl Acetate	6.88	43	201610	49.965	ug/l	100
38) Carbon Tetrachloride	7.73	117	148712	47.935	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062484.D
 Acq On : 10 Jul 2020 10:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:02 AM

Quant Time: Jul 11 02:16:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	179708	48.780	ug/l	97
40) Benzene	8.00	78	500845	49.246	ug/l	99
41) Methacrylonitrile	7.12	41	94994	56.348	ug/l	95
42) 1,2-Dichloroethane	8.08	62	193528	51.969	ug/l	99
43) Isopropyl Acetate	8.12	43	335588	52.648	ug/l	98
44) Trichloroethene	8.80	130	109548	48.548	ug/l	98
45) 1,2-Dichloropropane	9.08	63	150219	50.881	ug/l	98
46) Dibromomethane	9.17	93	85610	51.384	ug/l	98
47) Bromodichloromethane	9.37	83	182816	51.323	ug/l	100
48) Methyl methacrylate	9.17	41	161943	51.793	ug/l	98
49) 1,4-Dioxane	9.16	88	47823	1050.815	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1012902	266.049	ug/l	99
52) Toluene	10.12	92	294351	50.107	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	214989	53.872	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	227996	51.780	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	123247	53.344	ug/l	96
56) Ethyl methacrylate	10.40	69	215837	50.735	ug/l	96
57) 1,3-Dichloropropane	10.68	76	225024	52.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	377270	275.240	ug/l	98
59) 2-Hexanone	10.72	43	743381	268.959	ug/l	99
60) Dibromochloromethane	10.87	129	131794	52.609	ug/l	98
61) 1,2-Dibromoethane	10.98	107	125771	53.925	ug/l	99
64) Tetrachloroethene	10.60	164	89545	47.873	ug/l	99
65) Chlorobenzene	11.40	112	310775	50.729	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	116218	51.443	ug/l	98
67) Ethyl Benzene	11.48	91	574288	49.941	ug/l	99
68) m/p-Xylenes	11.59	106	413824	101.655	ug/l	99
69) o-Xylene	11.92	106	204110	51.497	ug/l	98
70) Styrene	11.94	104	350164	53.455	ug/l	100
71) Bromoform	12.10	173	91359	55.164	ug/l #	98
73) Isopropylbenzene	12.22	105	536814	46.753	ug/l	99
74) N-amyl acetate	12.04	43	292419	52.325	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	194120	50.282	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	165511m	45.461	ug/l	
77) Bromobenzene	12.50	156	128645	49.284	ug/l	96
78) n-propylbenzene	12.56	91	643103	47.950	ug/l	100
79) 2-Chlorotoluene	12.65	91	387717	47.630	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	462610	49.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	68725	50.525	ug/l	98
82) 4-Chlorotoluene	12.75	91	397815	48.138	ug/l	99
83) tert-Butylbenzene	12.97	119	367815	46.047	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	456716	48.816	ug/l	98
85) sec-Butylbenzene	13.15	105	503867	47.603	ug/l	100
86) p-Isopropyltoluene	13.26	119	449905	49.248	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	226738	50.351	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	225209	48.604	ug/l	98
89) n-Butylbenzene	13.59	91	395381	49.016	ug/l	100
90) Hexachloroethane	13.85	117	86106	47.915	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	221759	50.933	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	36026	51.135	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
Data File : VN062484.D
Acq On : 10 Jul 2020 10:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

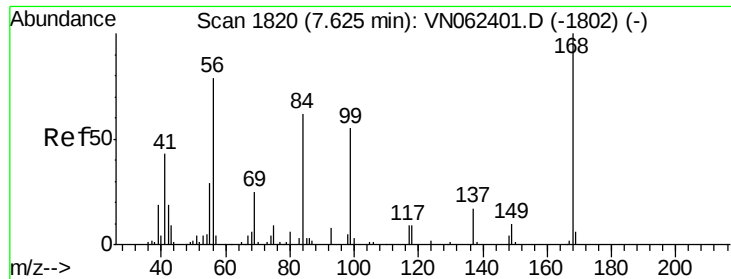
Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM

Quant Time: Jul 11 02:16:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	110398	46.547	ug/l	99
94) Hexachlorobutadiene	14.98	225	57943	50.122	ug/l	99
95) Naphthalene	15.10	128	298505	52.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	111707	47.800	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 199772

Ion Ratio Lower Upper

168 100

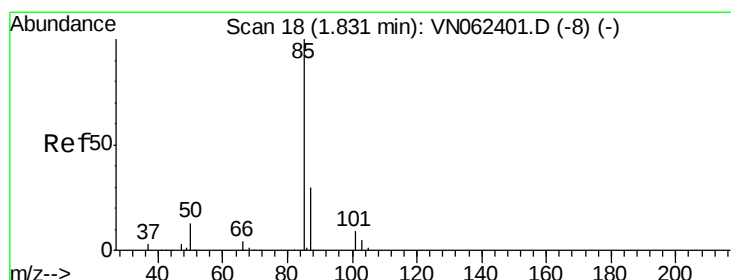
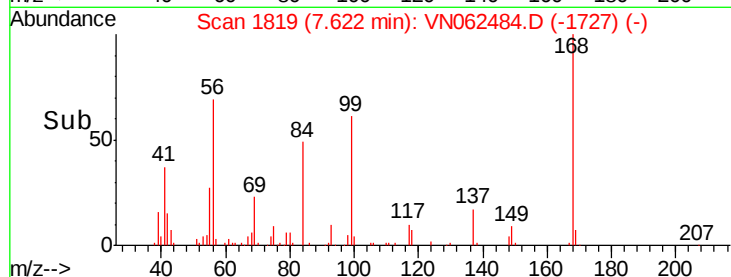
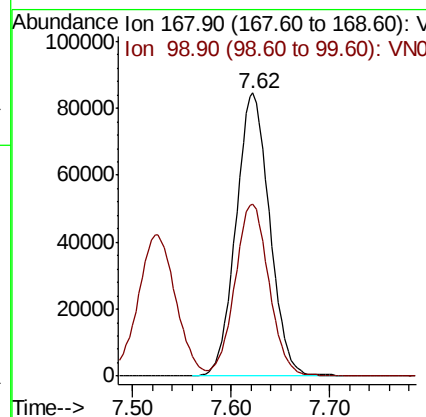
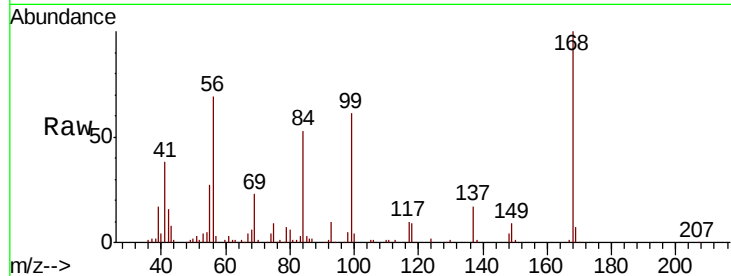
99 60.4 48.8 73.2

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#2

Dichlorodifluoromethane

Concen: 44.686 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062484.D

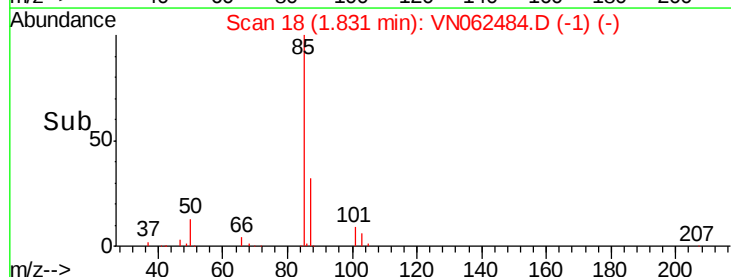
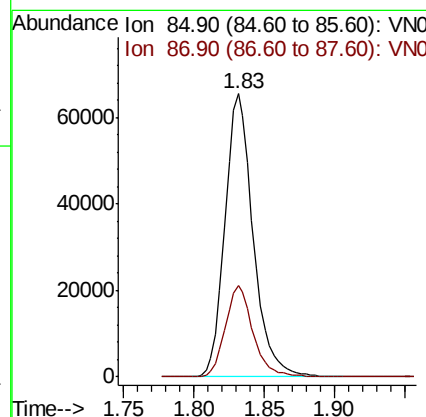
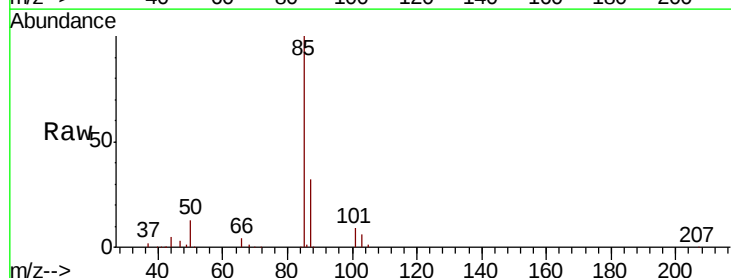
Acq: 10 Jul 2020 10:41

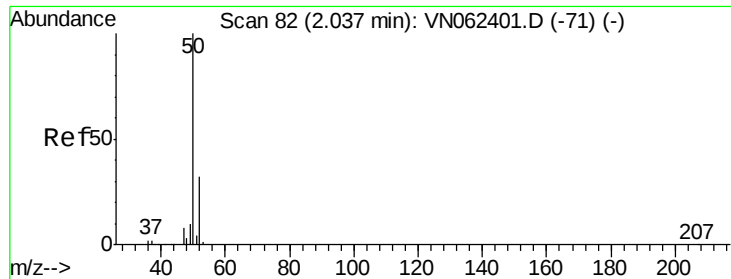
Tgt Ion: 85 Resp: 90930

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.5





#3

Chloromethane

Concen: 43.239 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 141177

Ion Ratio Lower Upper

50 100

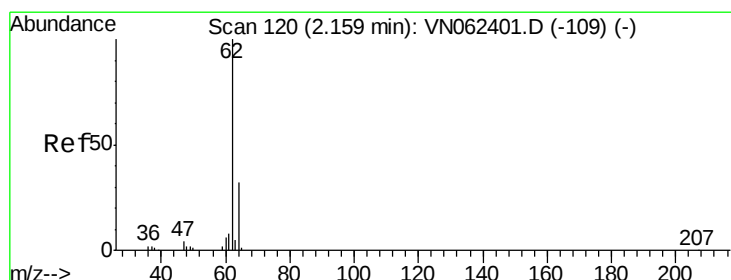
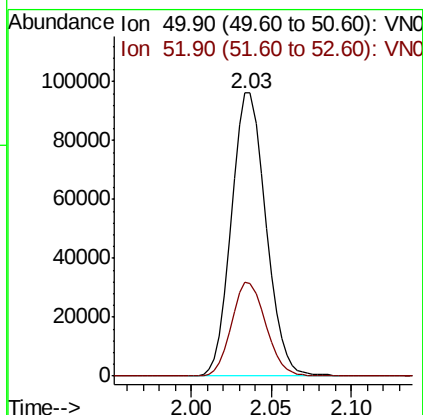
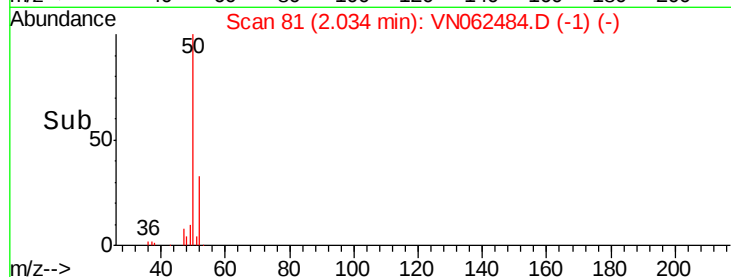
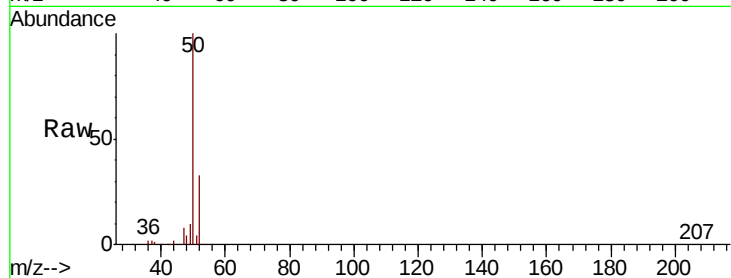
52 33.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#4

Vinyl Chloride

Concen: 43.863 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062484.D

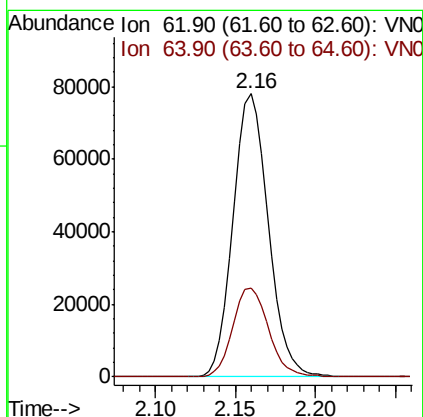
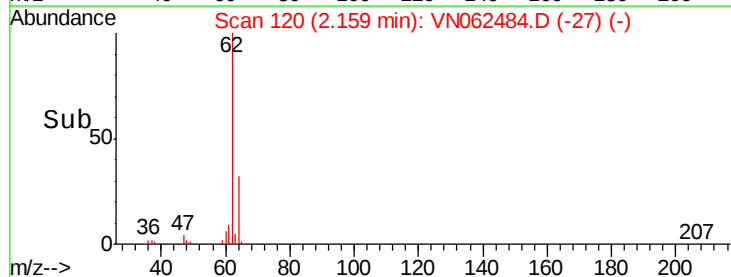
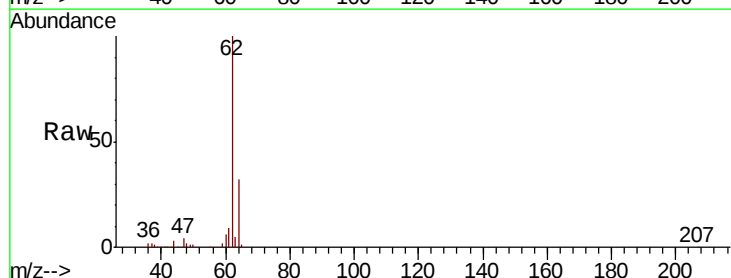
Acq: 10 Jul 2020 10:41

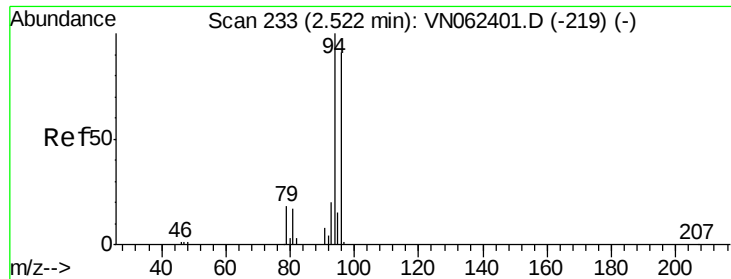
Tgt Ion: 62 Resp: 117334

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 42.761 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61434

Ion Ratio Lower Upper

94 100

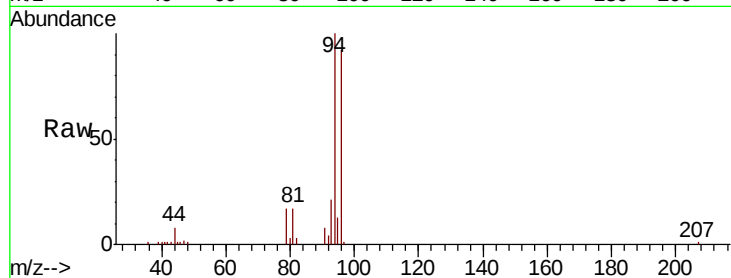
96 92.3 73.2 109.8

Manual Integrations

APPROVED

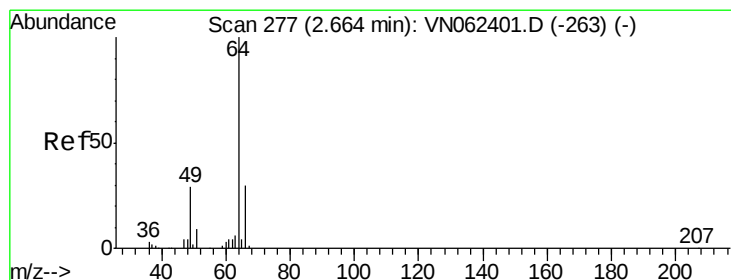
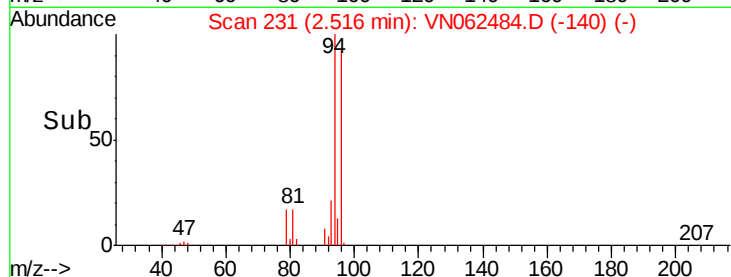
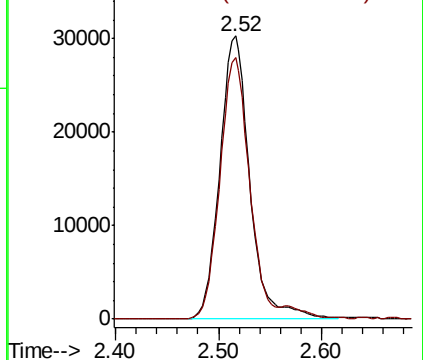
MMDadoda

7/13/2020 11:19:02 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.507 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062484.D

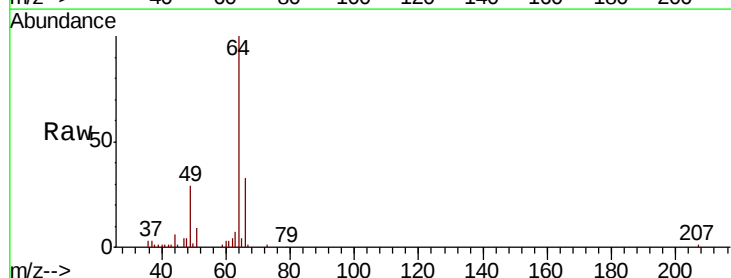
Acq: 10 Jul 2020 10:41

Tgt Ion: 64 Resp: 74016

Ion Ratio Lower Upper

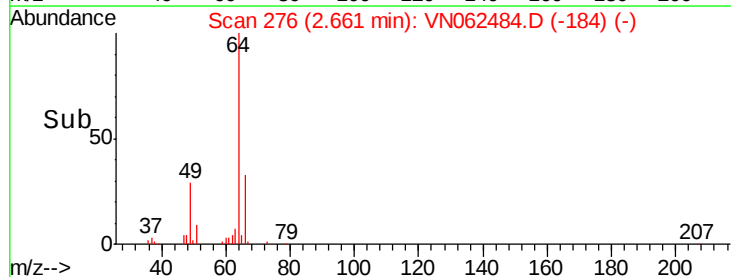
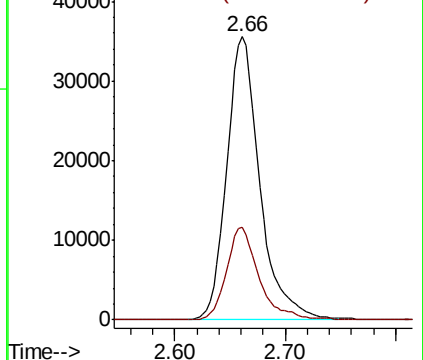
64 100

66 32.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

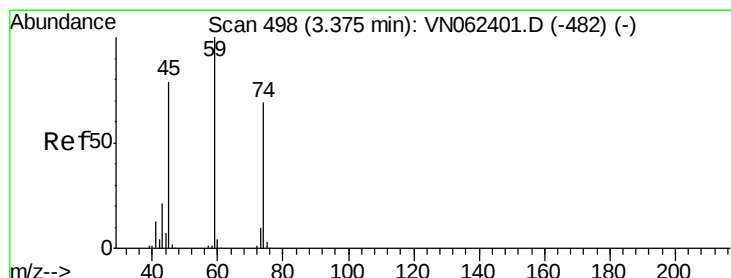
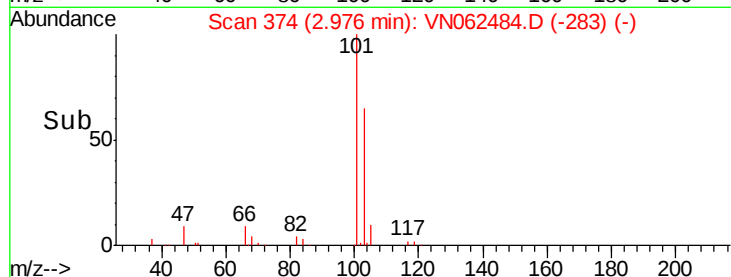
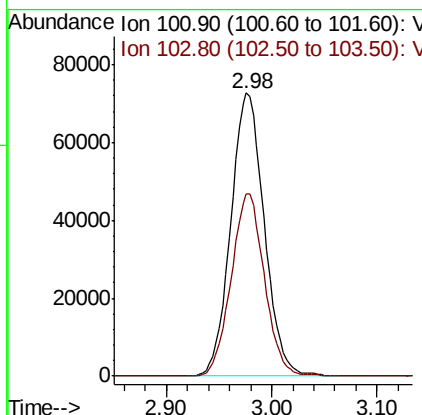
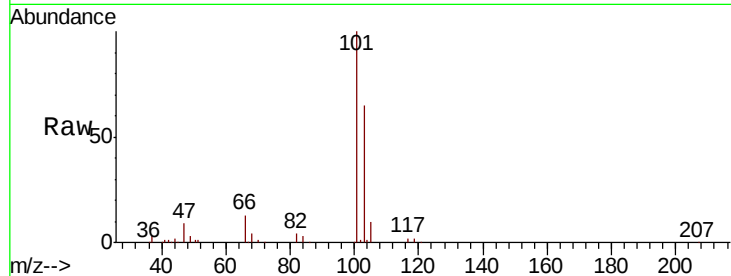
Trichlorofluoromethane
 Concen: 47.092 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

Manual Integrations
 APPROVED

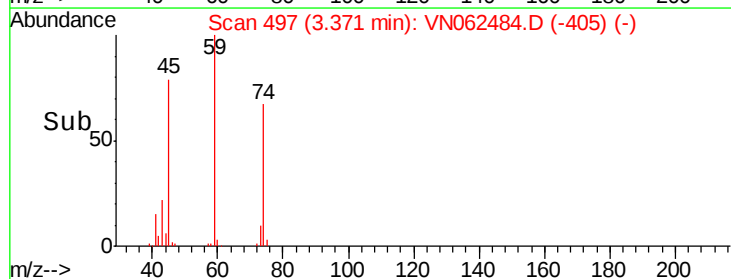
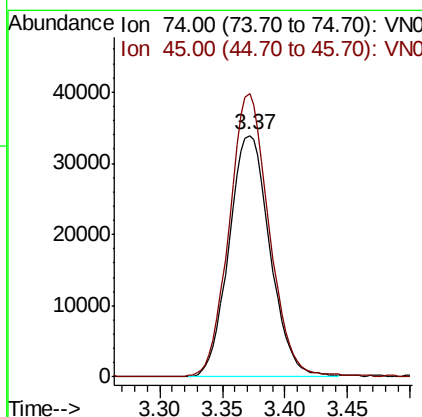
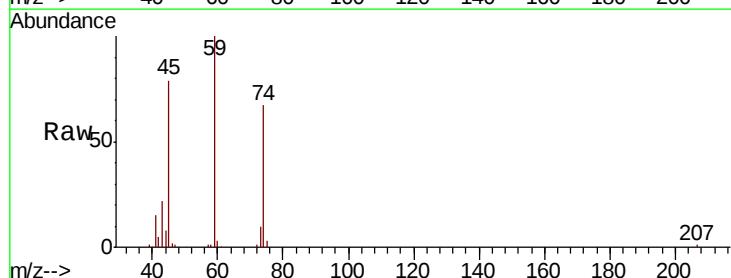
MMDadoda
 7/13/2020 11:19:02 AM

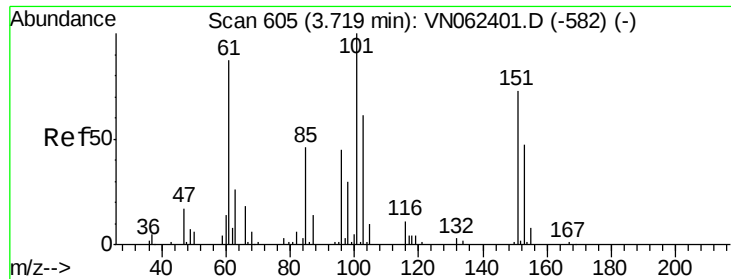


#8

Diethyl Ether
 Concen: 50.656 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.095 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

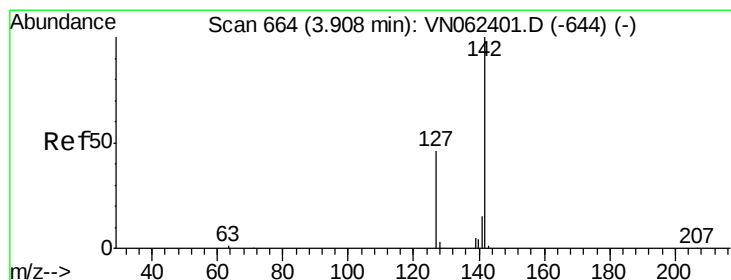
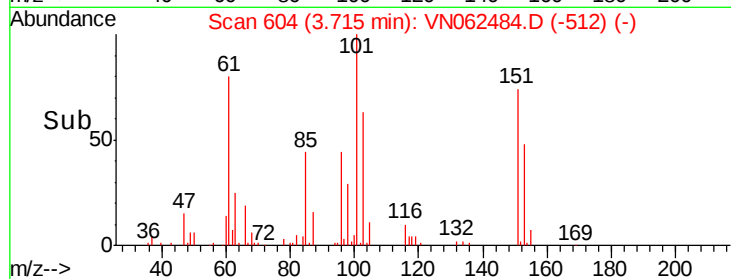
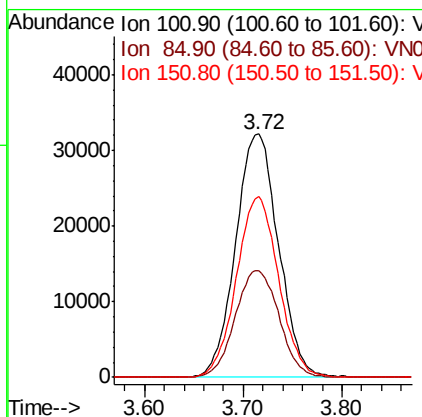
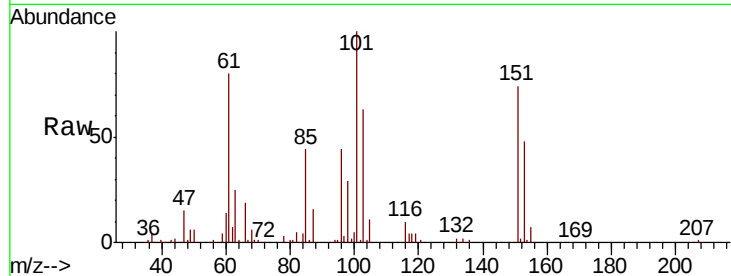
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	96861
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.7	55.1
151	73.1	58.3	87.5

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM



#10

Methyl Iodide

Concen: 43.258 ug/l

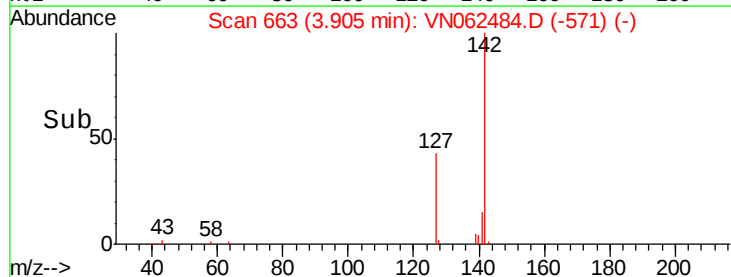
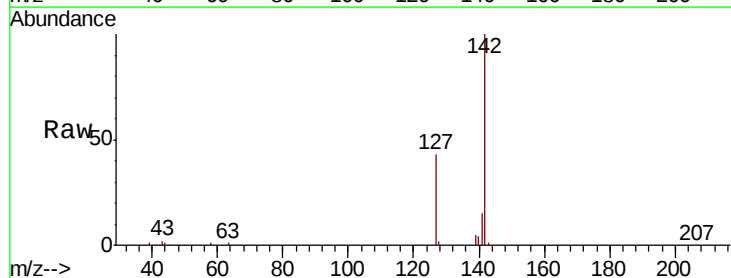
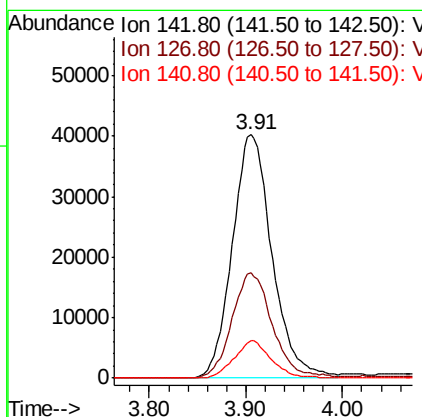
RT: 3.91 min Scan# 663

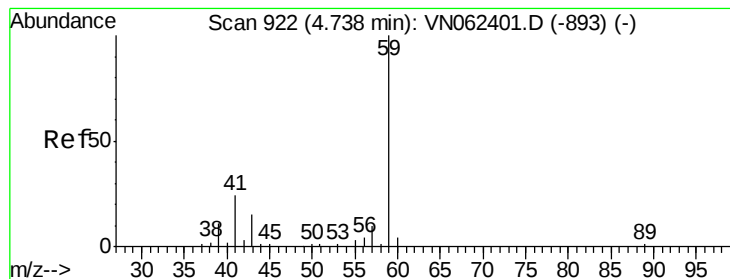
Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Tgt Ion:	142	Resp:	115034
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.1	54.1
141	14.2	11.4	17.0





#11

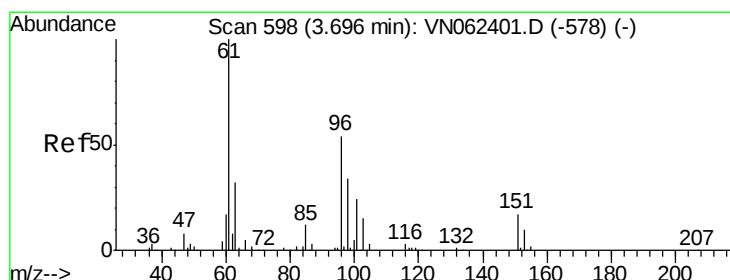
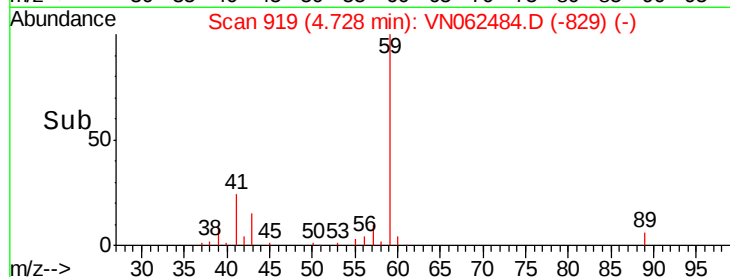
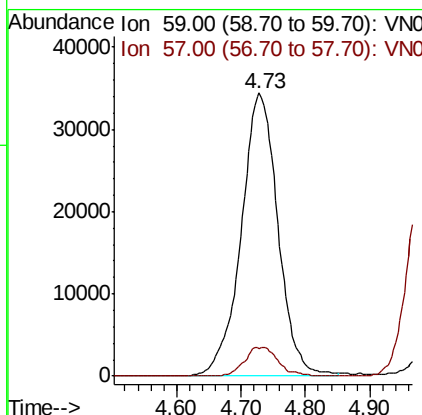
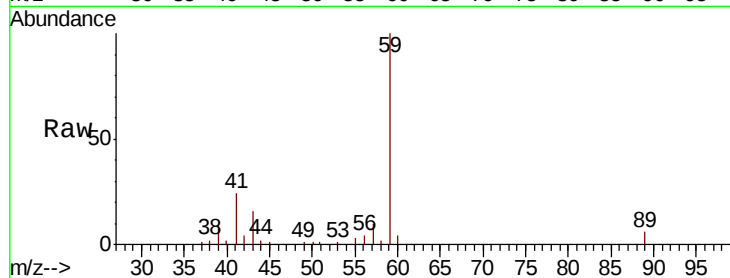
Tert butyl alcohol
 Concen: 267.547 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.8	11.6

Manual Integrations
 APPROVED

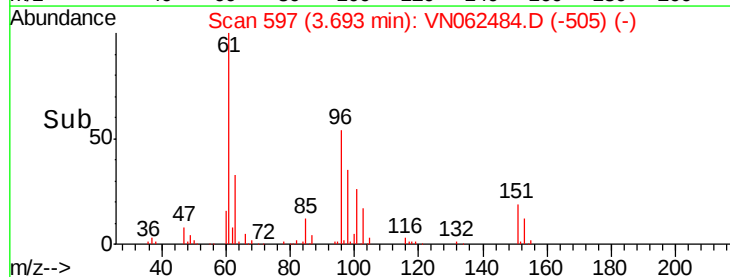
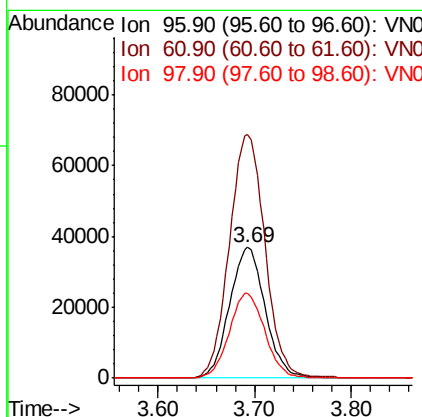
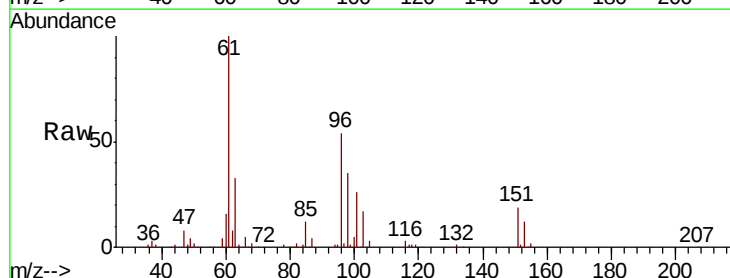
MMDadoda
 7/13/2020 11:19:02 AM

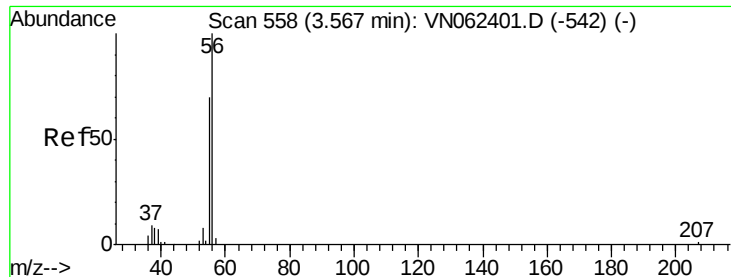


#12

1,1-Dichloroethene
 Concen: 46.082 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.2	147.4	221.0
98	64.5	50.4	75.6





#13

Acrolein

Concen: 286.795 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.01 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 105454

Ion Ratio Lower Upper

56 100

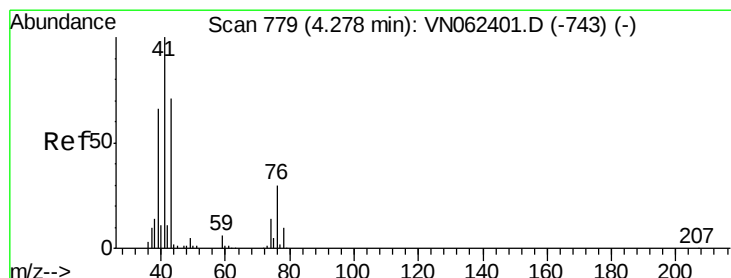
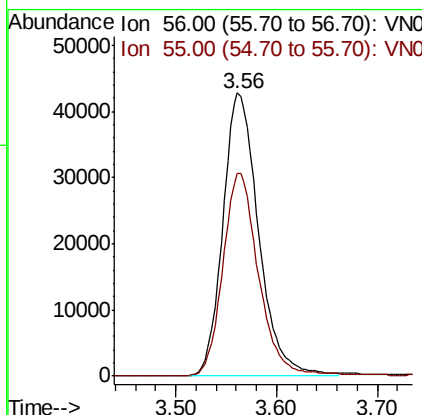
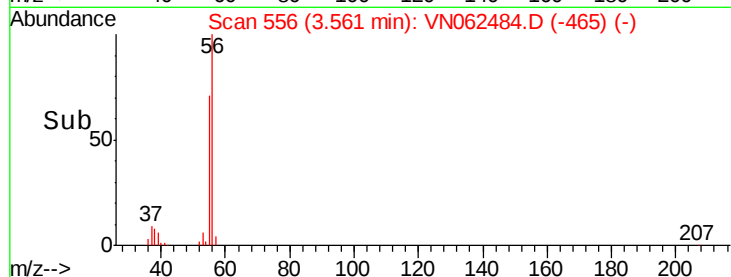
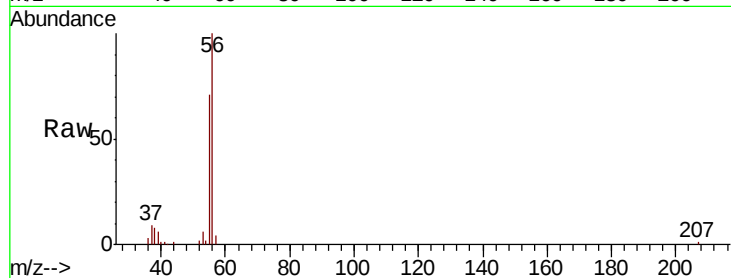
55 71.2 57.2 85.8

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#14

Allyl chloride

Concen: 47.080 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

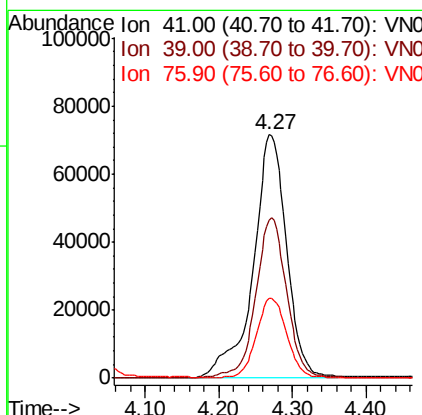
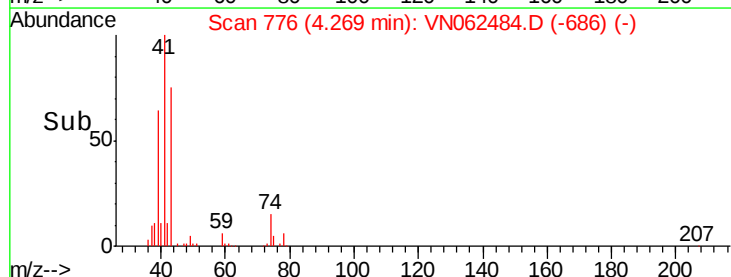
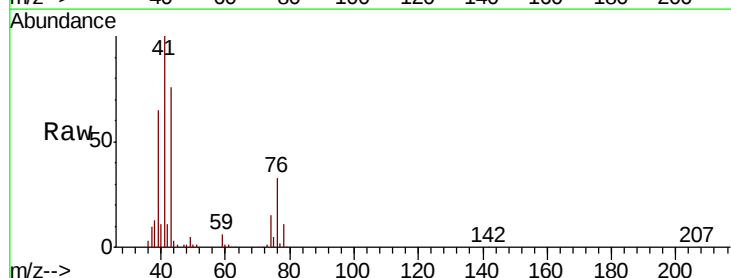
Tgt Ion: 41 Resp: 227041

Ion Ratio Lower Upper

41 100

39 61.2 49.6 74.4

76 29.2 22.2 33.4





#15

Acrylonitrile

Concen: 265.241 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

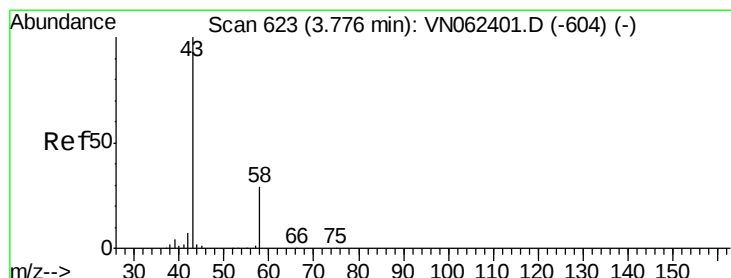
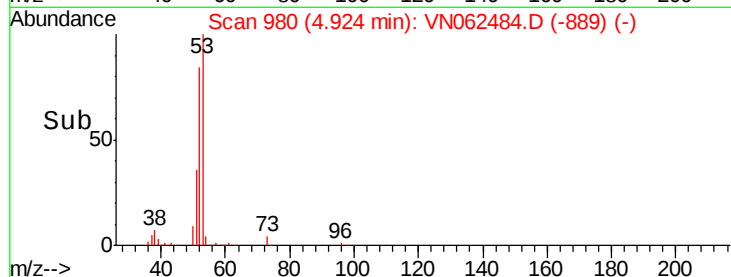
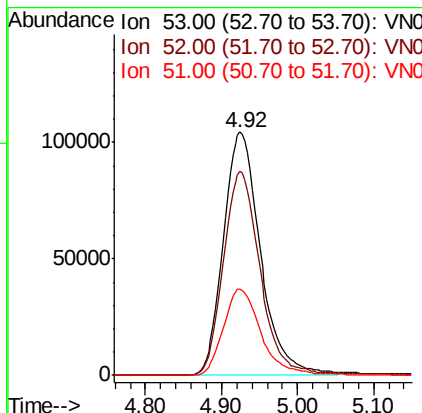
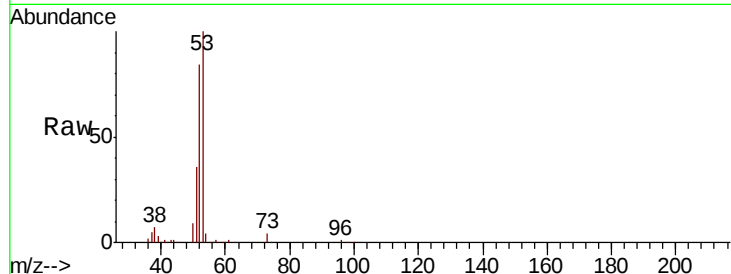
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	354578
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.2	99.4
51	36.2	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM



#16

Acetone

Concen: 251.537 ug/l

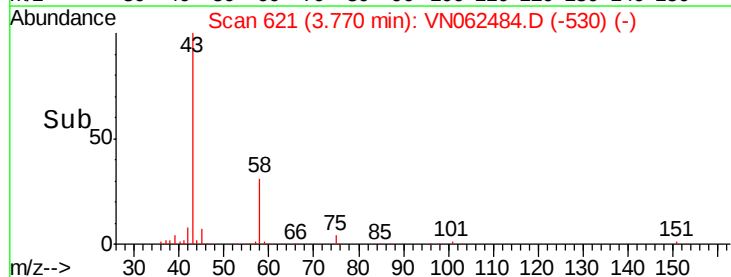
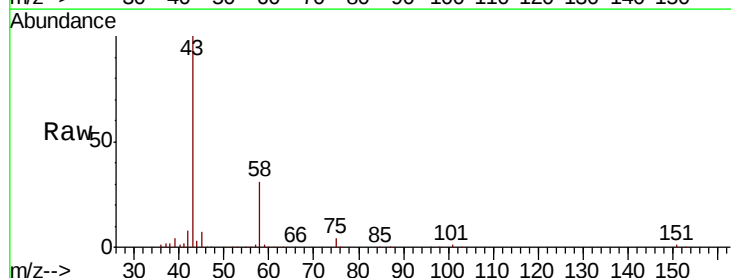
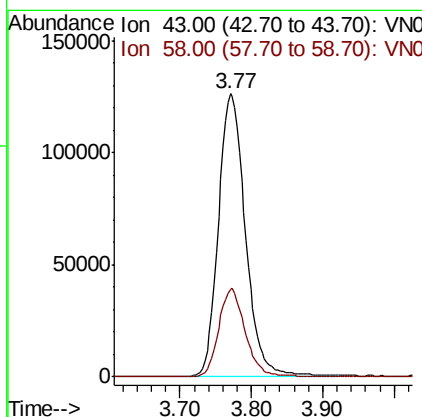
RT: 3.77 min Scan# 621

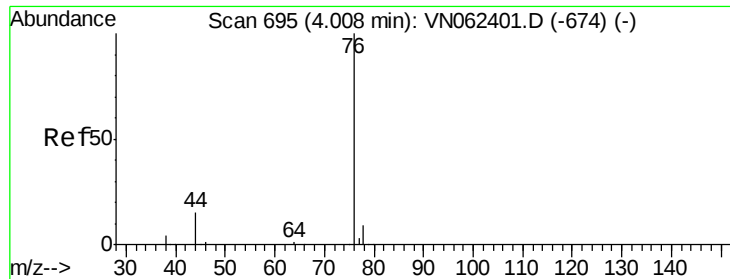
Delta R.T. -0.01 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Tgt Ion:	43	Resp:	328144
Ion Ratio	Lower	Upper	
43	100		
58	31.2	23.5	35.3





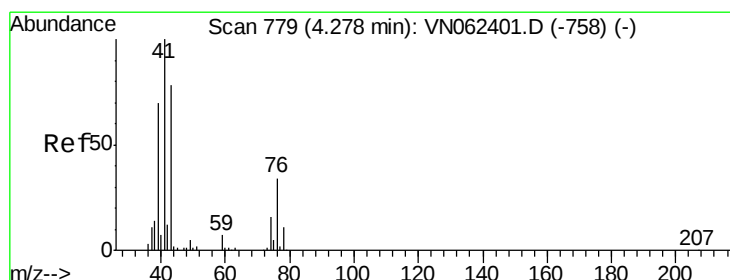
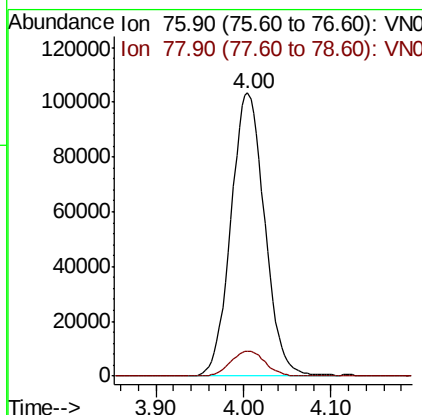
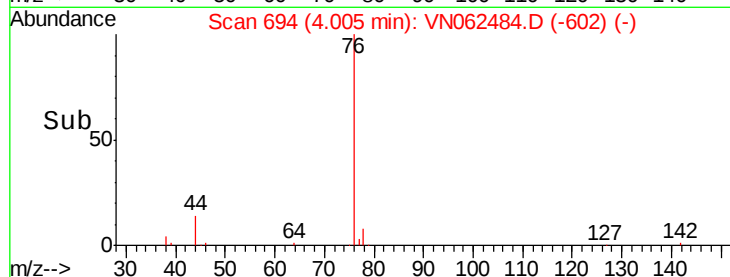
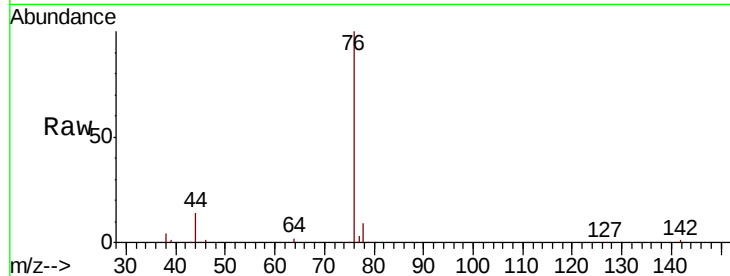
#17
Carbon Disulfide
Concen: 43.120 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

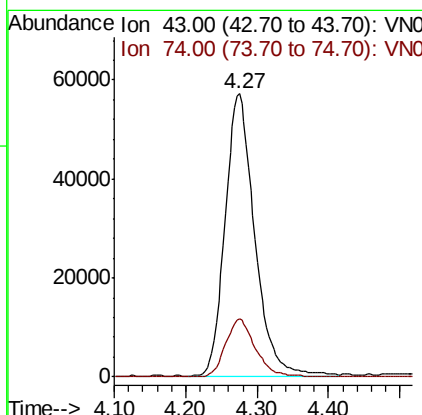
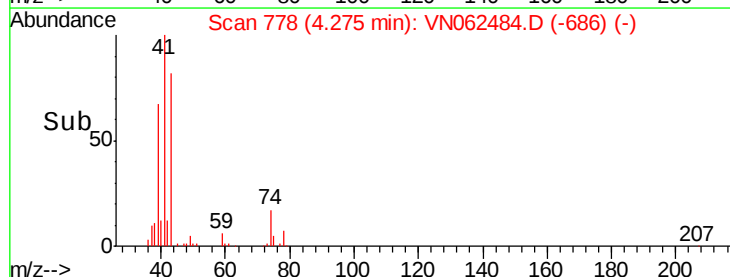
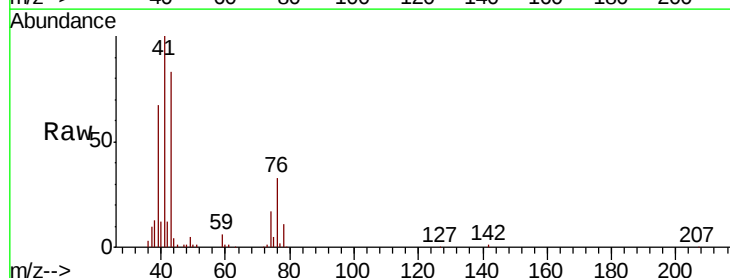
Manual Integrations
APPROVED

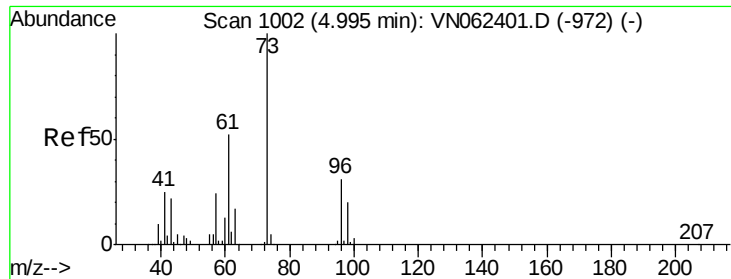
MMDadoda
7/13/2020 11:19:02 AM



#18
Methyl Acetate
Concen: 50.470 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.0	24.0





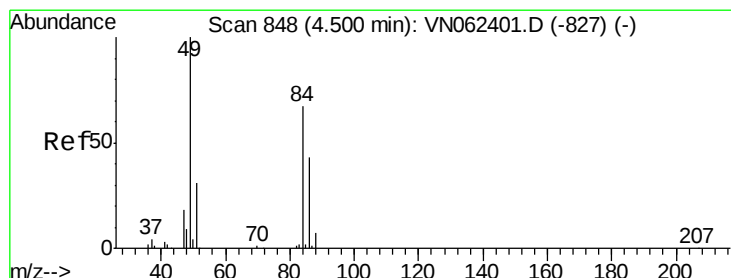
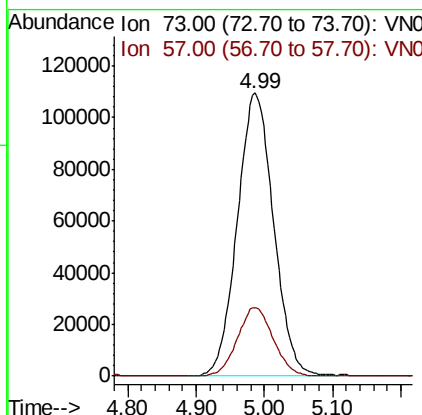
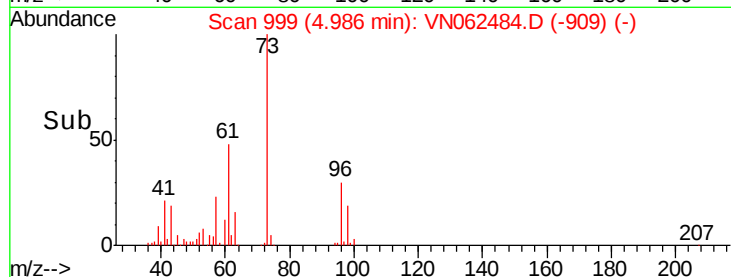
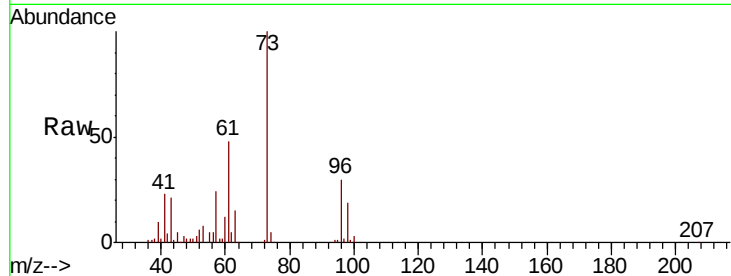
#19
Methvl tert-butvl Ether
Concen: 52.070 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 404790
Ion Ratio Lower Upper
73 100
57 24.4 19.4 29.0

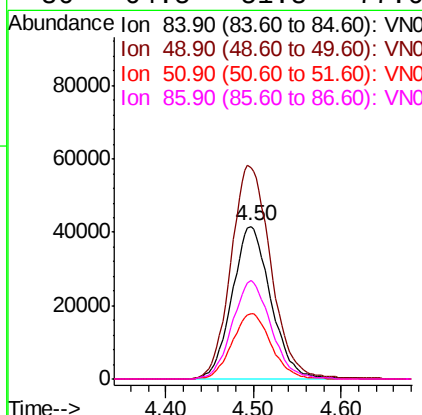
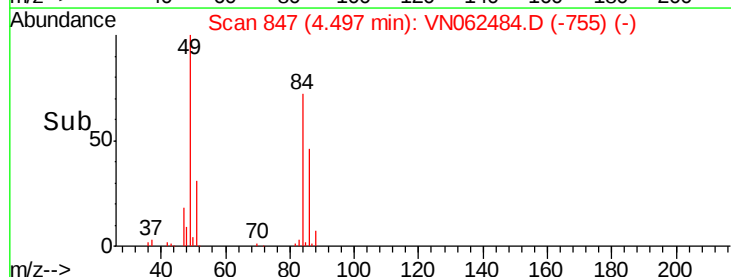
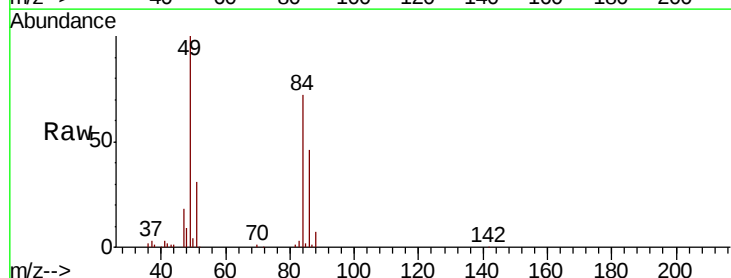
Manual Integrations
APPROVED

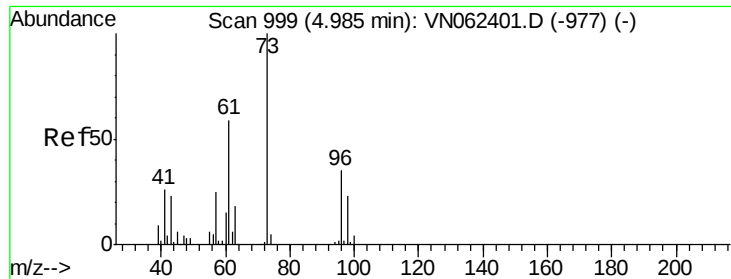
MMDadoda
7/13/2020 11:19:02 AM



#20
Methylene Chloride
Concen: 45.782 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion: 84 Resp: 127697
Ion Ratio Lower Upper
84 100
49 138.9 120.0 180.0
51 43.0 37.0 55.6
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.100 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

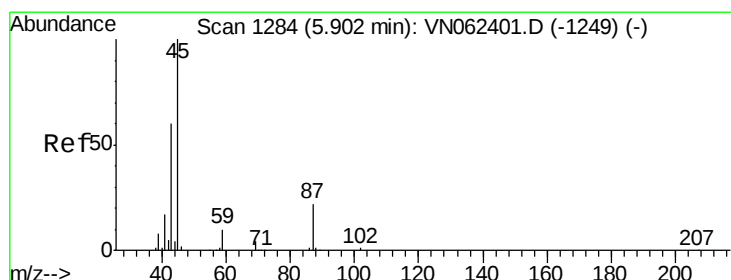
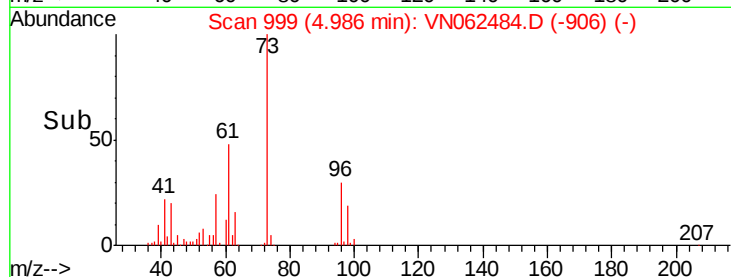
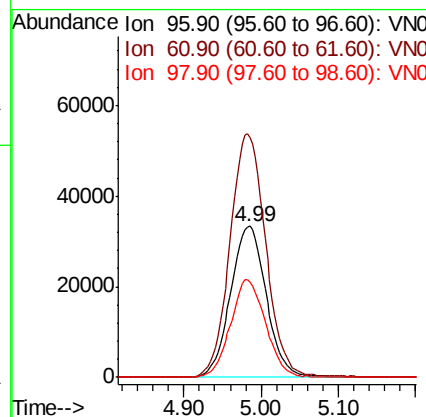
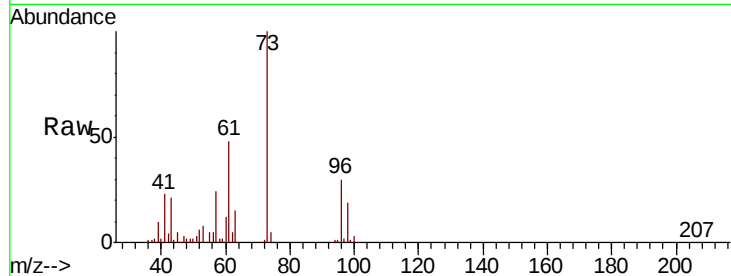
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	106847
Ion	Ratio	Lower	Upper
96	100		
61	159.2	133.5	200.3
98	63.0	51.9	77.9

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM



#22

Diisopropyl ether

Concen: 50.239 ug/l

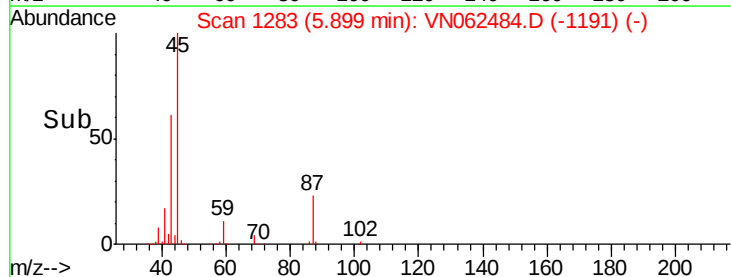
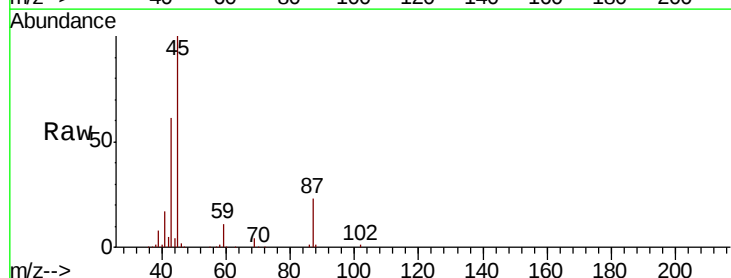
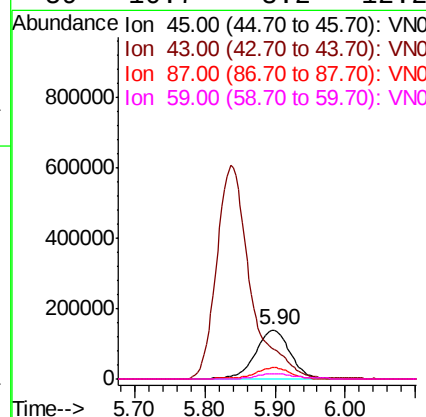
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Tgt Ion:	45	Resp:	478654
Ion	Ratio	Lower	Upper
45	100		
43	59.1	50.1	75.1
87	23.1	18.2	27.4
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 257.984 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2036136

Ion Ratio Lower Upper

43 100

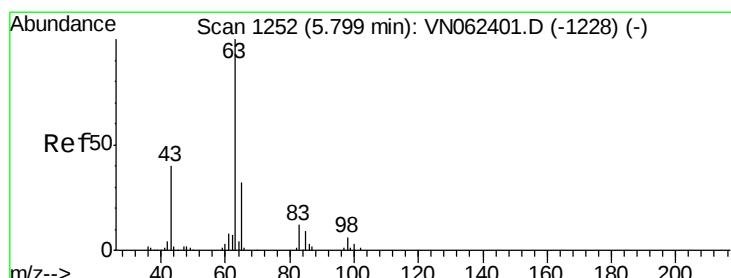
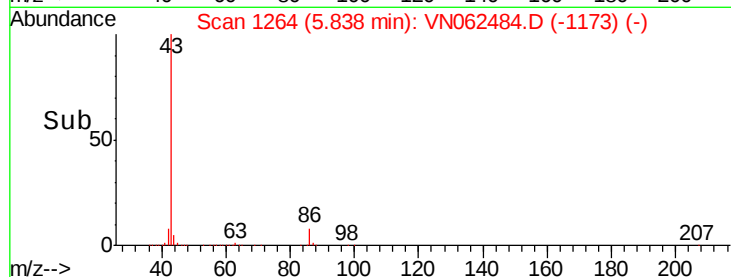
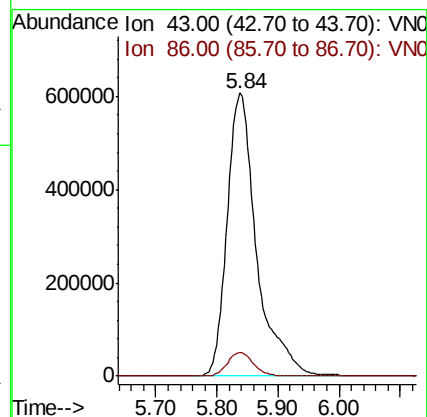
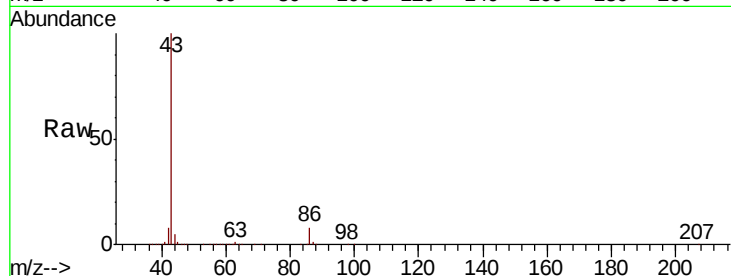
86 8.5 6.7 10.1

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#24

1,1-Dichloroethane

Concen: 48.161 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

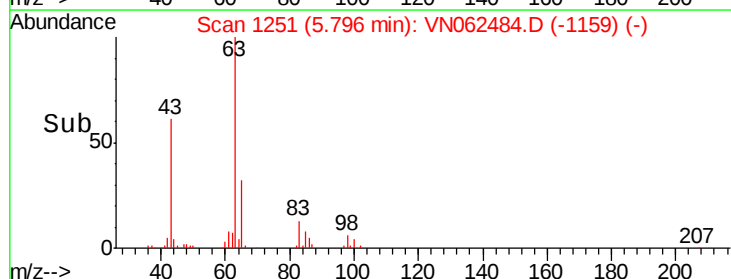
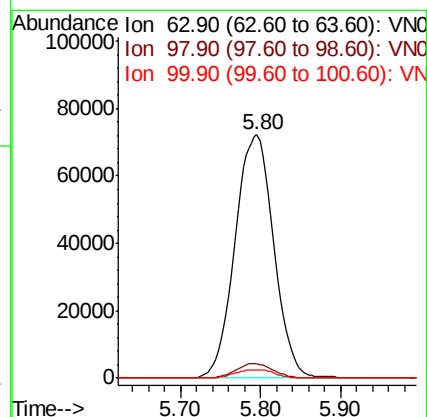
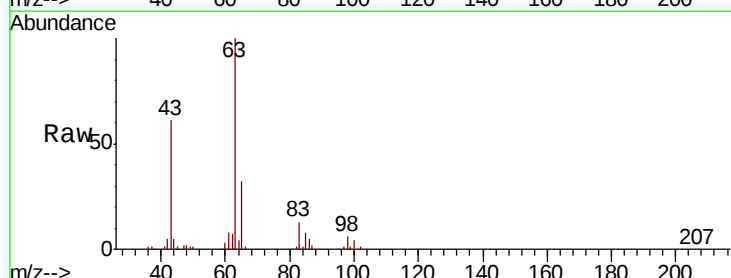
Tgt Ion: 63 Resp: 237109

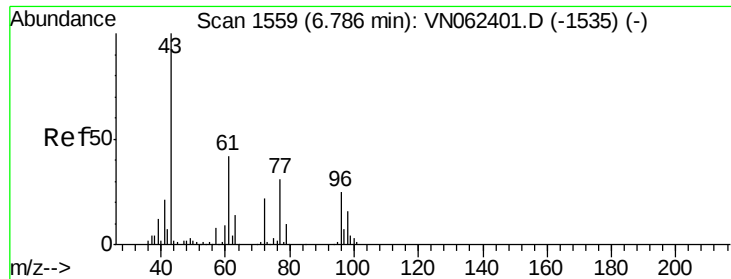
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 260.089 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 495527

Ion Ratio Lower Upper

43 100

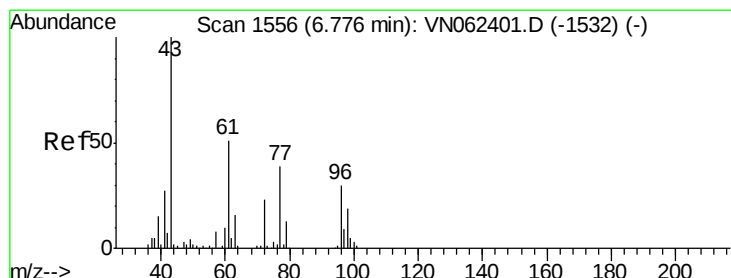
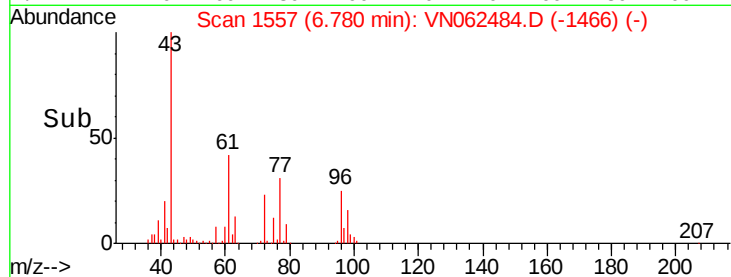
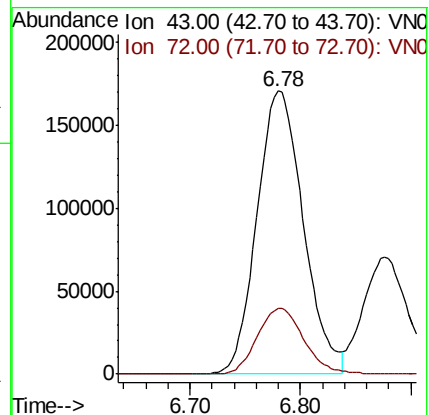
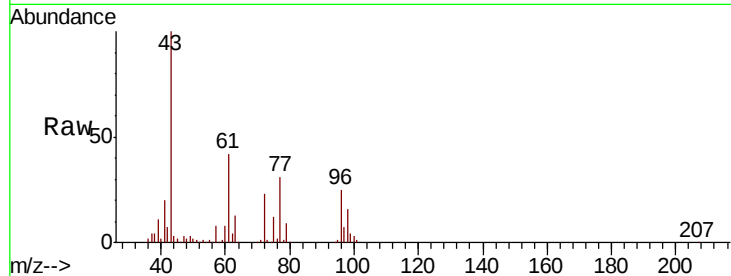
72 23.1 17.9 26.9

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#26

2,2-Dichloropropane

Concen: 48.937 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062484.D

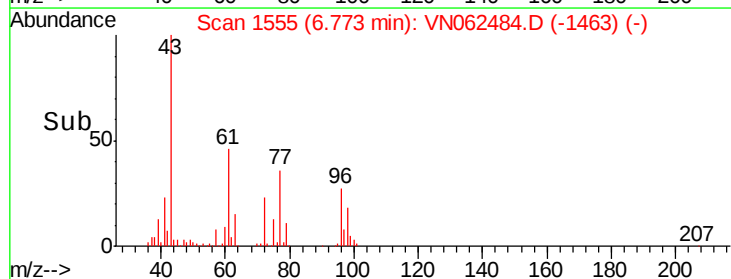
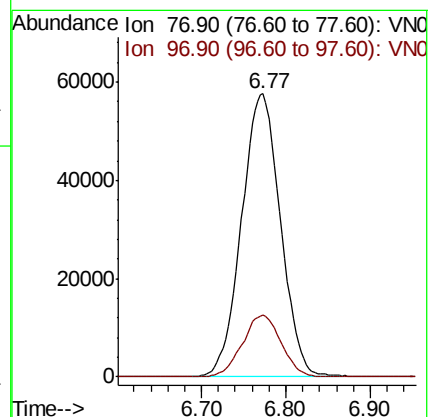
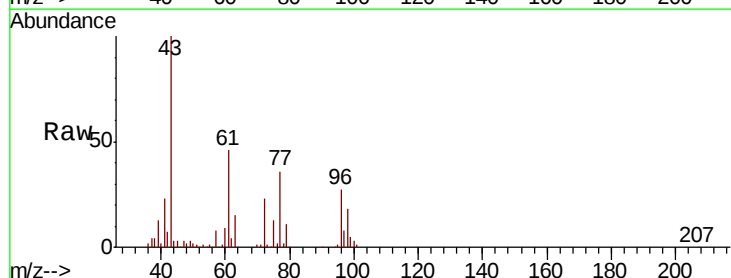
Acq: 10 Jul 2020 10:41

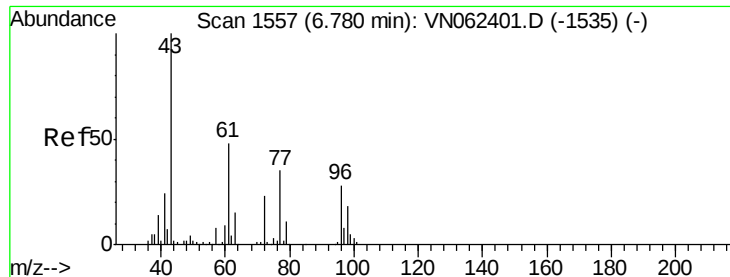
Tgt Ion: 77 Resp: 184733

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.9





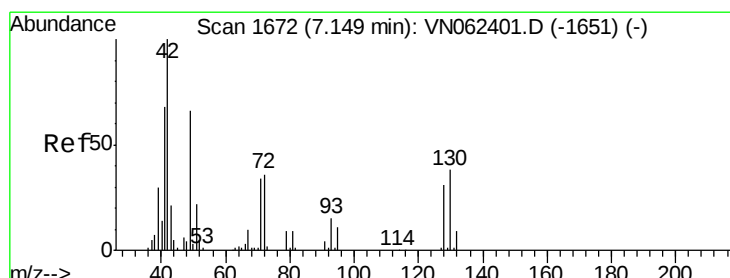
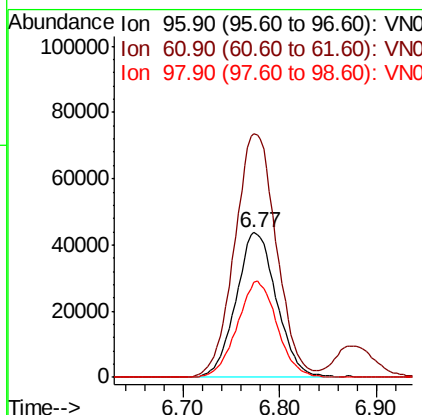
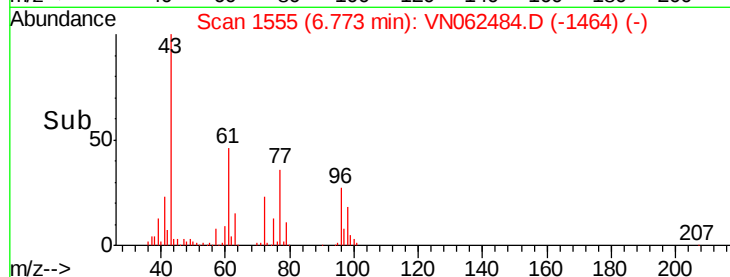
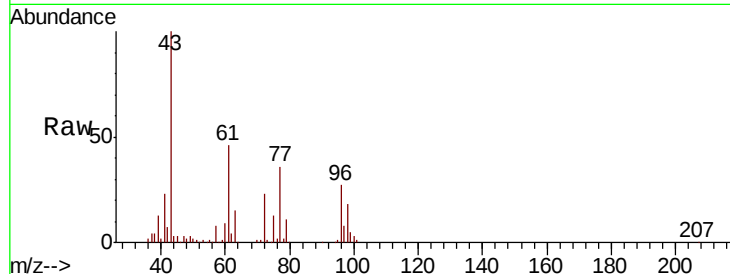
#27
 cis-1,2-Dichloroethene
 Concen: 49.622 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127675		
61	172.8	0.0	343.4	
98	65.1	0.0	128.4	

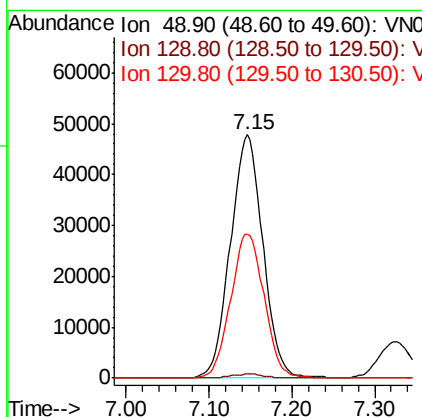
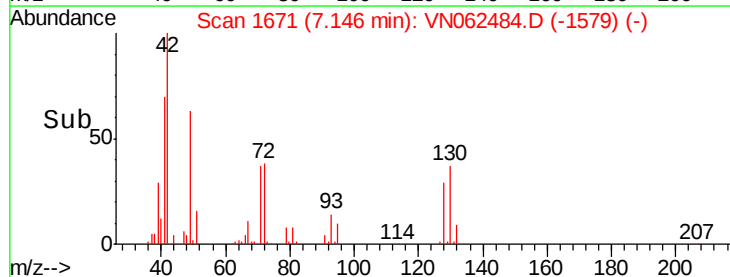
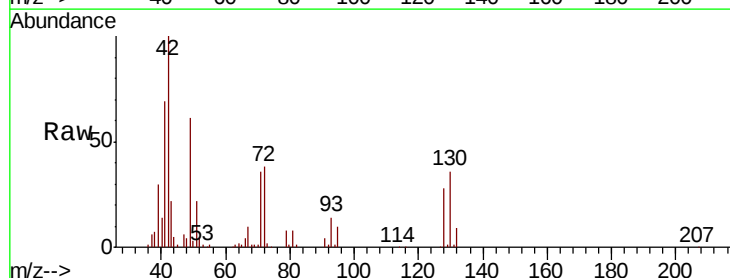
Manual Integrations
 APPROVED

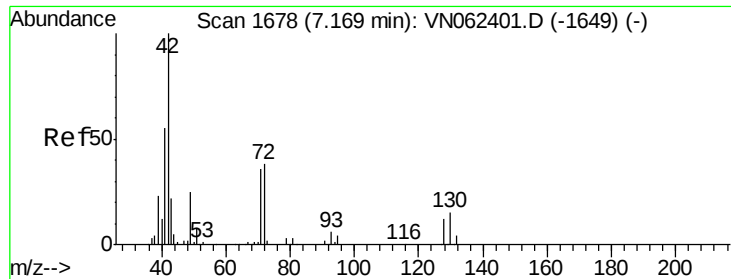
MMDadoda
 7/13/2020 11:19:02 AM



#28
 Bromochloromethane
 Concen: 48.802 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130535		
129	1.5	0.0	2.8	
130	61.0	46.5	69.7	





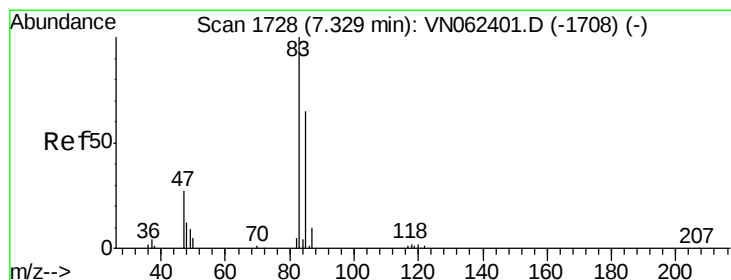
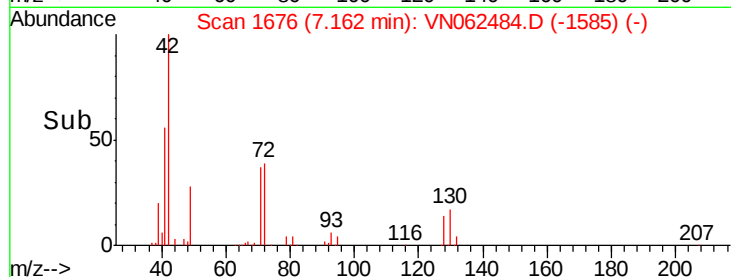
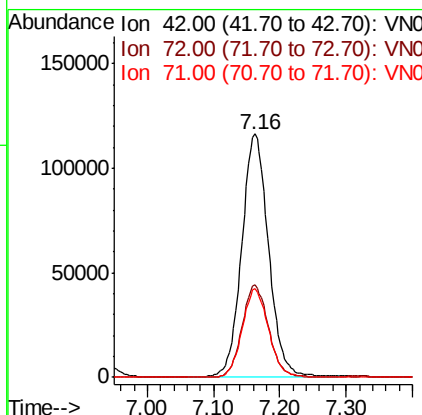
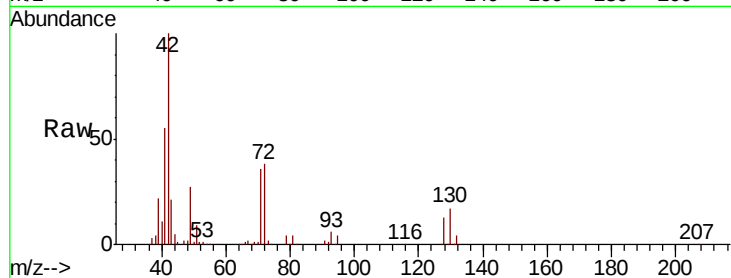
#29
Tetrahydrofuran
Concen: 255.233 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.1	43.7
71	35.8	28.1	42.1

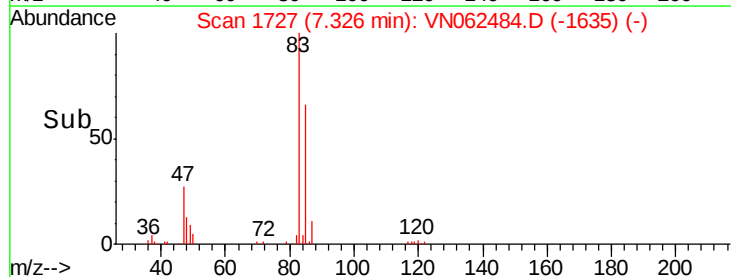
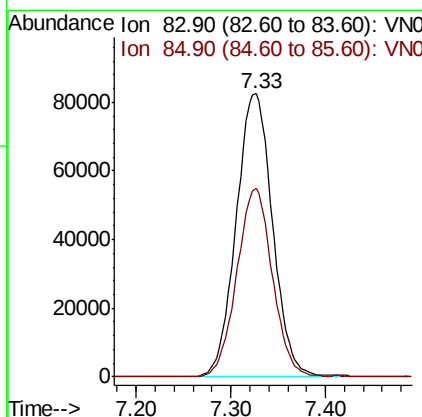
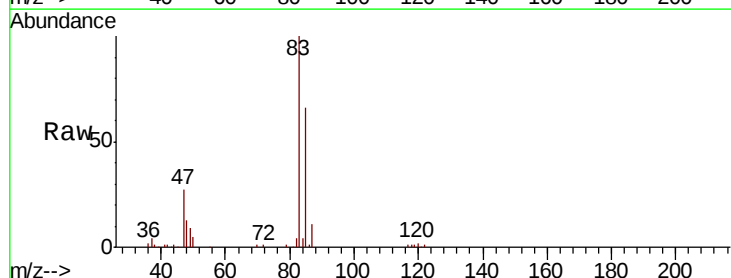
Manual Integrations
APPROVED

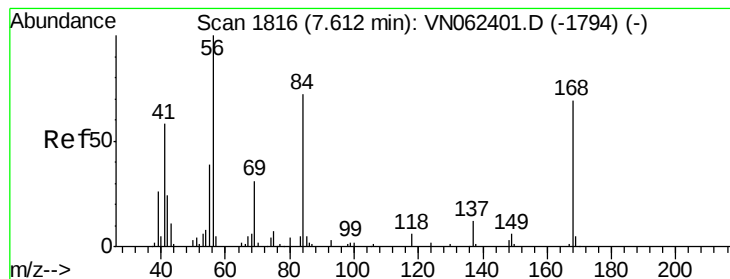
MMDadoda
7/13/2020 11:19:02 AM



#30
Chloroform
Concen: 49.708 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.6





#31

Cyclohexane

Concen: 43.087 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

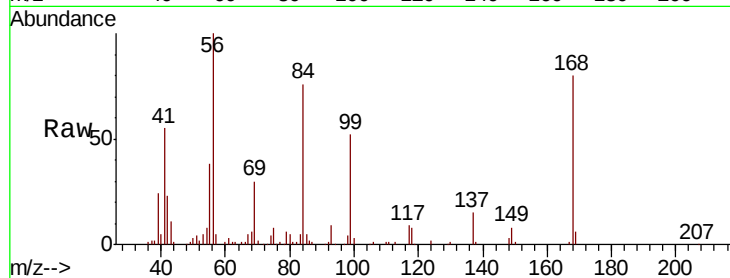
ClientSampleID :

VSTDCCC050

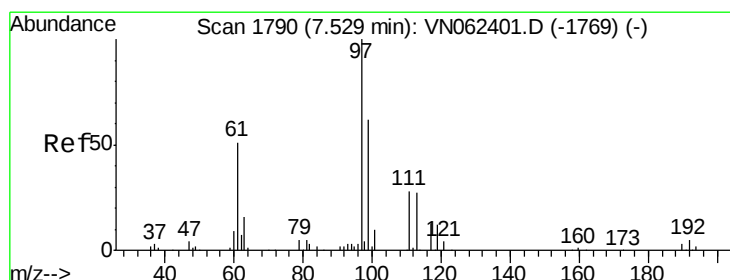
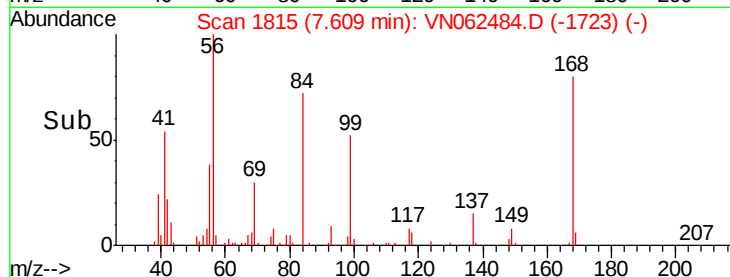
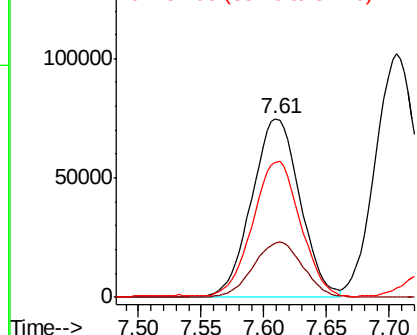
Tot Ion:	56	Resp:	201102
Ion Ratio	Lower	Upper	
56	100		
69	30.1	24.5	36.7
84	74.9	57.4	86.2

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 47.461 ug/l

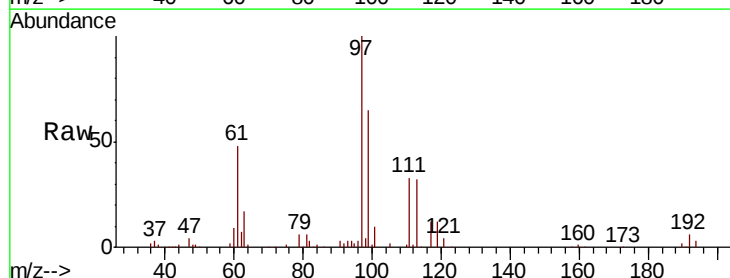
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

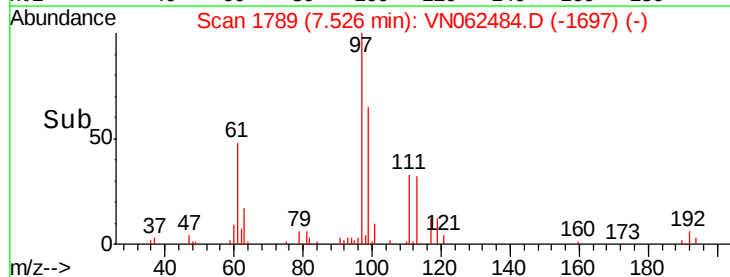
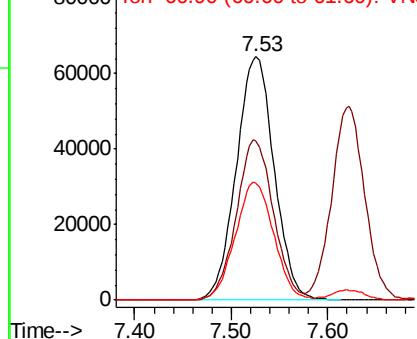
Lab File: VN062484.D

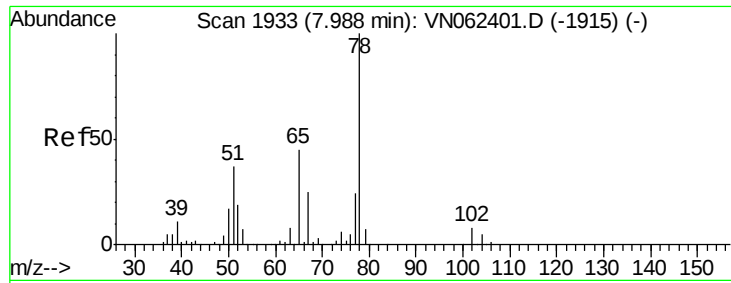
Acq: 10 Jul 2020 10:41

Tgt Ion:	97	Resp:	175490
Ion Ratio	Lower	Upper	
97	100		
99	64.3	50.4	75.6
61	49.2	39.9	59.9



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





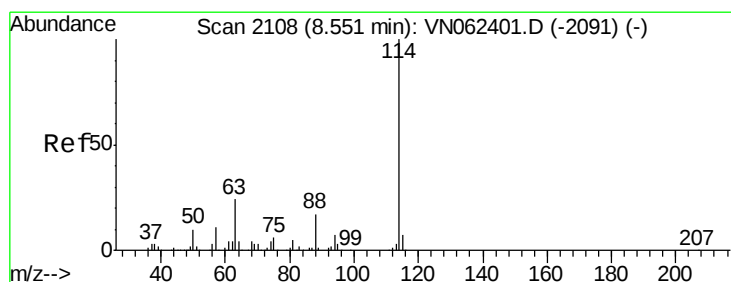
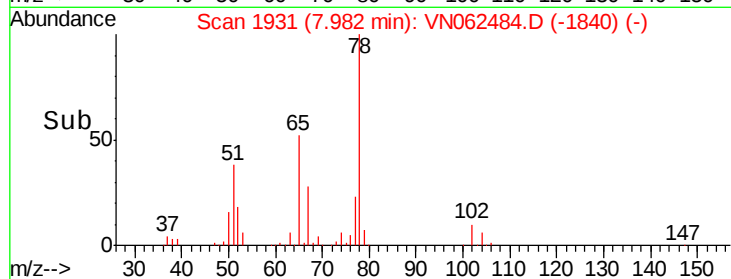
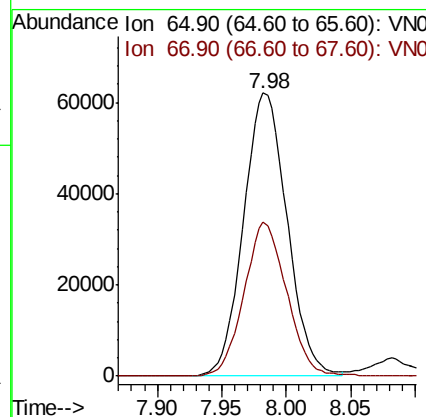
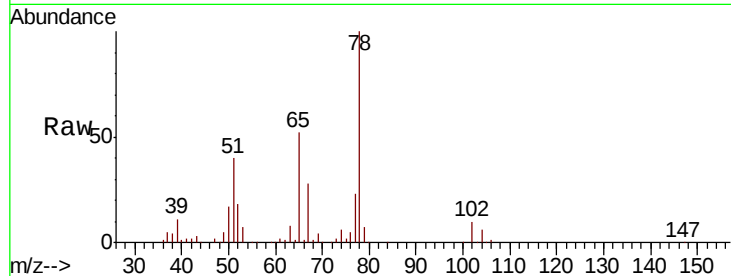
#33
 1,2-Dichloroethane-d4
 Concen: 47.576 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146189		
67	53.2	0.0	107.6	

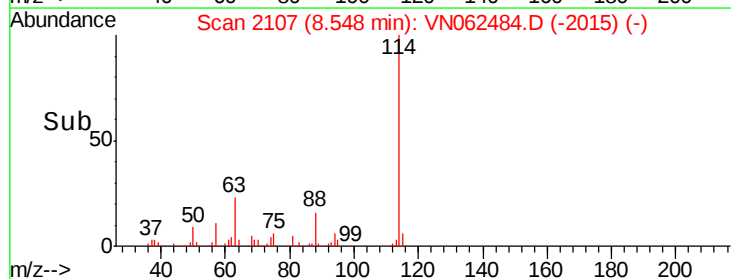
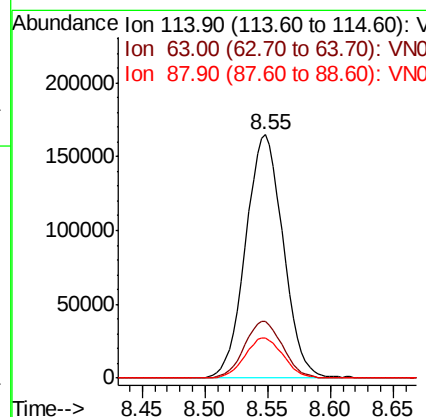
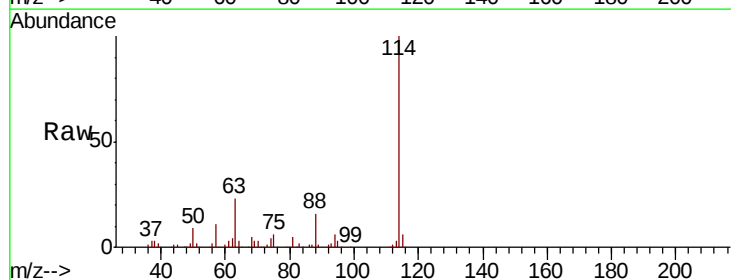
Manual Integrations
 APPROVED

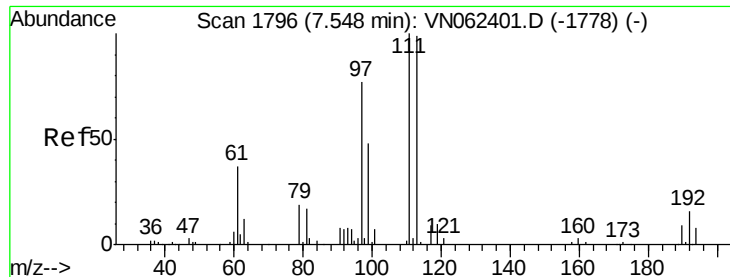
MMDadoda
 7/13/2020 11:19:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	342513		
63	23.2	0.0	48.4	
88	16.2	0.0	33.8	





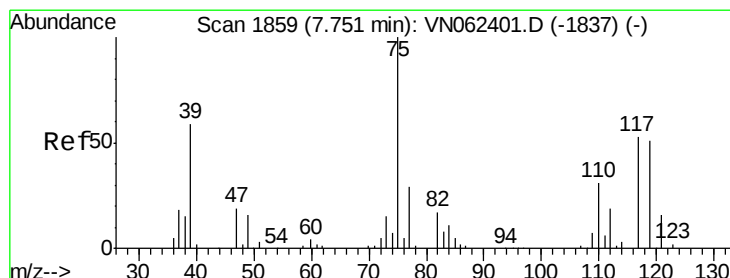
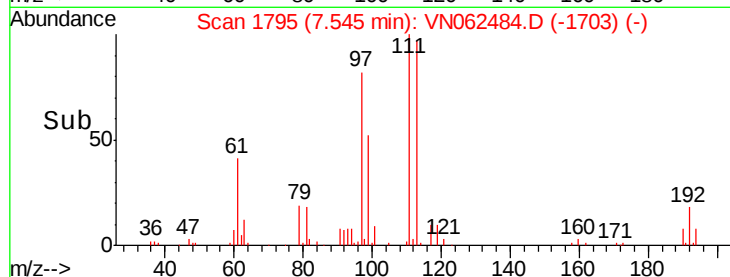
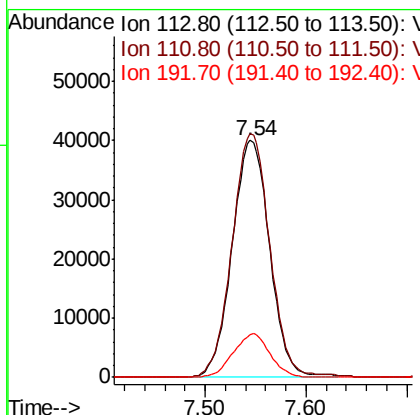
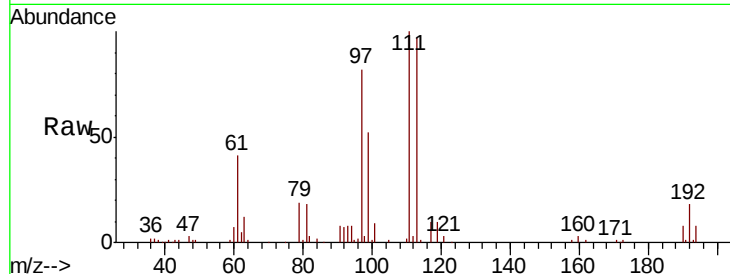
#35
 Dibromofluoromethane
 Concen: 48.776 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103269		
111	103.1	83.1	124.7	
192	18.2	14.1	21.1	

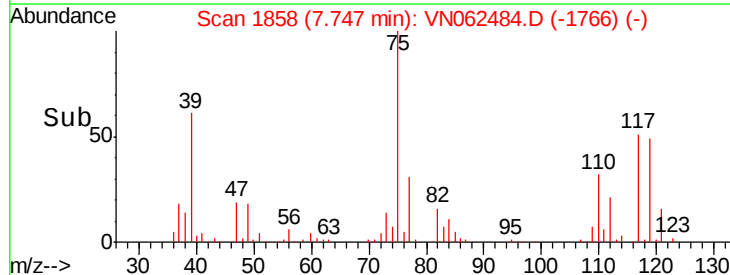
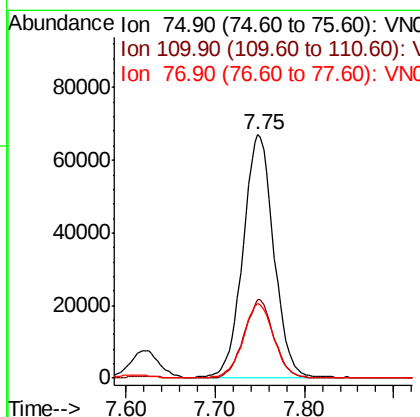
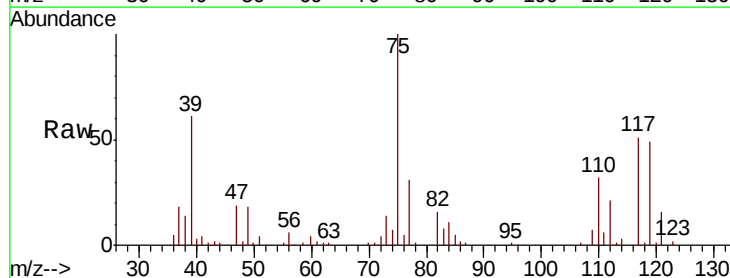
Manual Integrations
 APPROVED

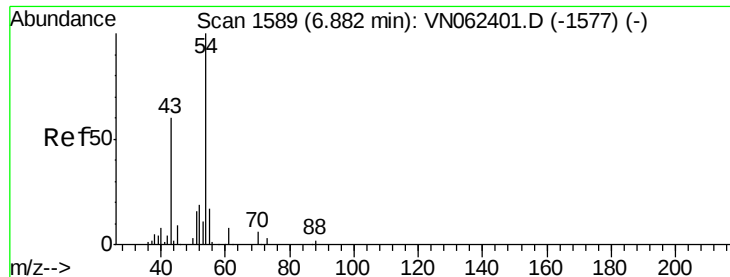
MMDadoda
 7/13/2020 11:19:02 AM



#36
 1,1-Dichloropropene
 Concen: 46.815 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	161549		
110	31.2	15.4	46.2	
77	30.5	24.1	36.1	





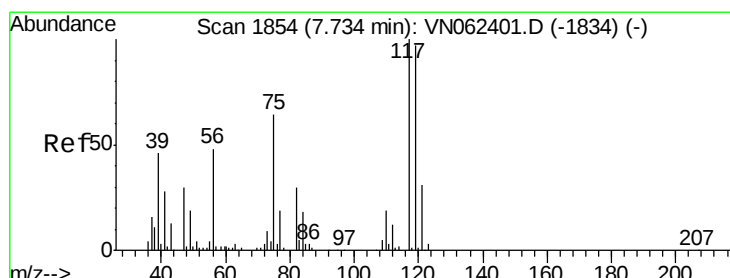
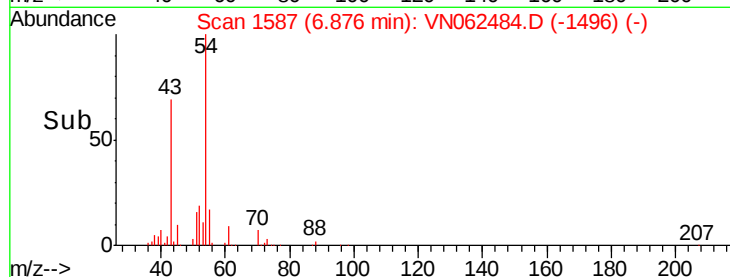
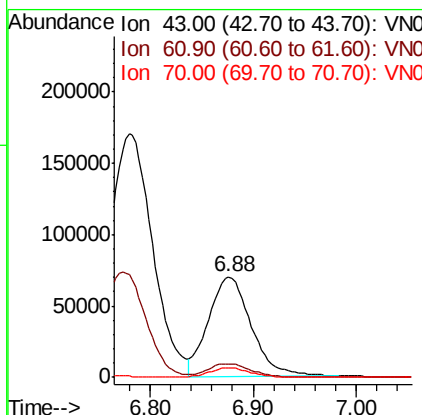
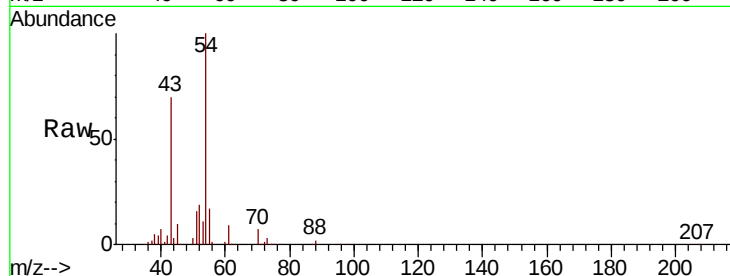
#37
Ethyl Acetate
Concen: 49.965 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.3	7.2	10.8

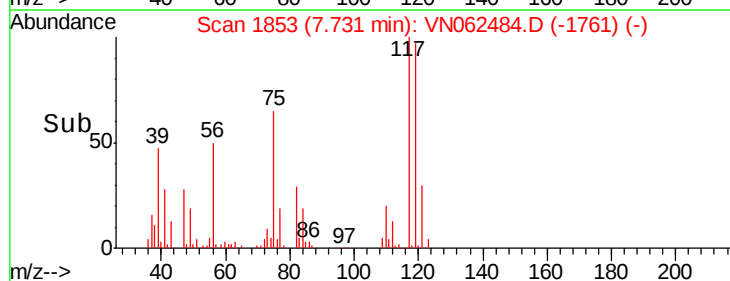
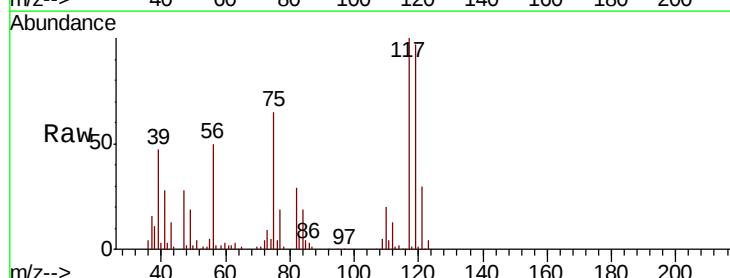
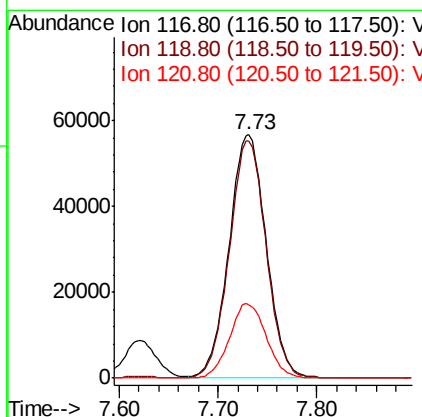
Manual Integrations
APPROVED

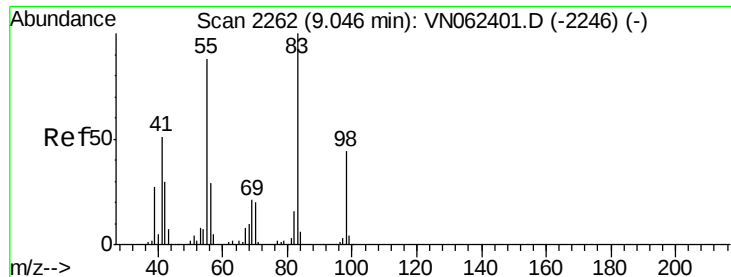
MMDadoda
7/13/2020 11:19:02 AM



#38
Carbon Tetrachloride
Concen: 47.935 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.2	115.8
121	30.2	24.8	37.2





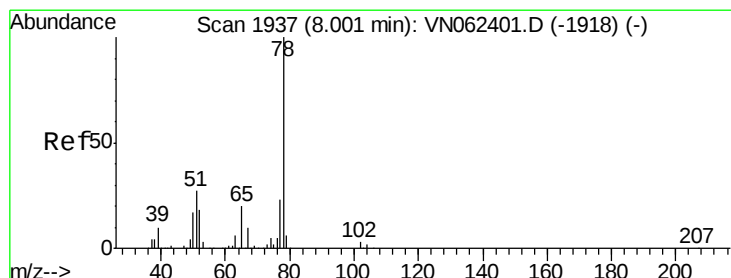
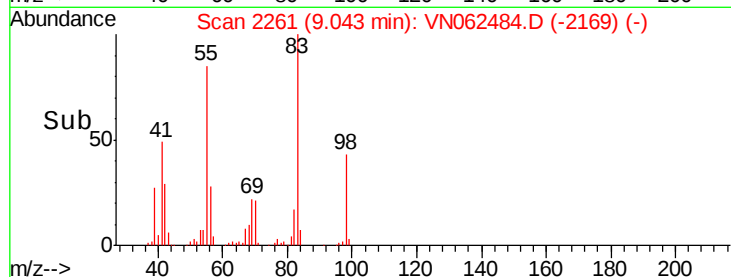
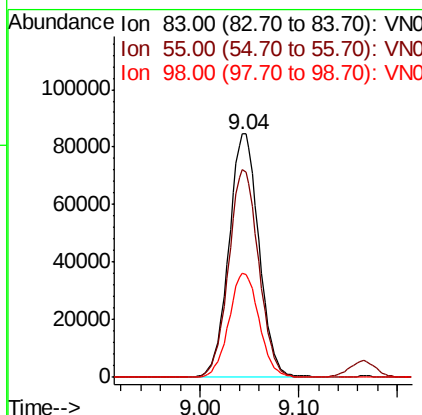
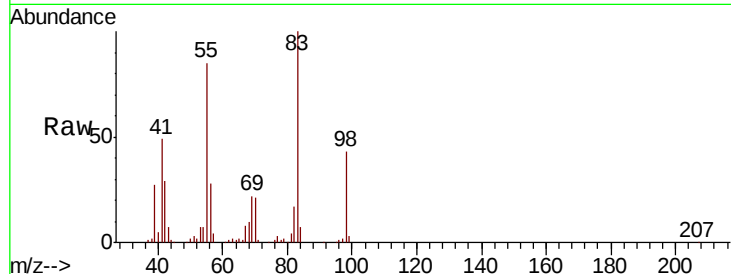
#39
Methvlcvclohexane
Concen: 48.780 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	70.5	105.7
98	42.5	35.5	53.3

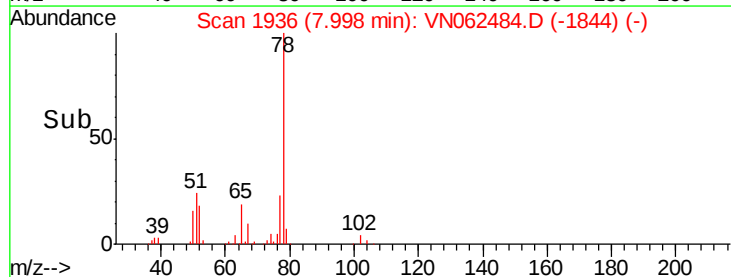
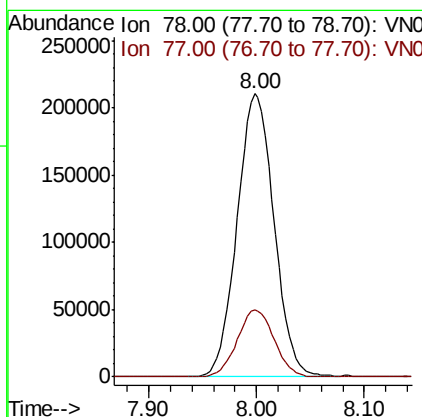
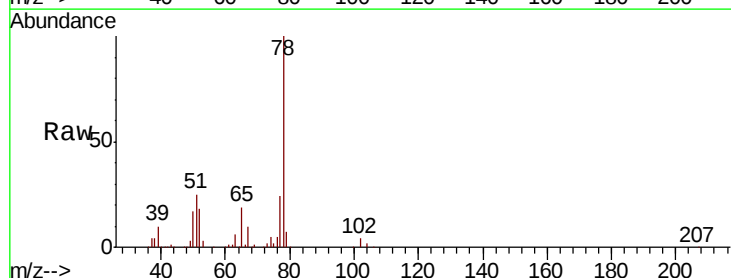
Manual Integrations
APPROVED

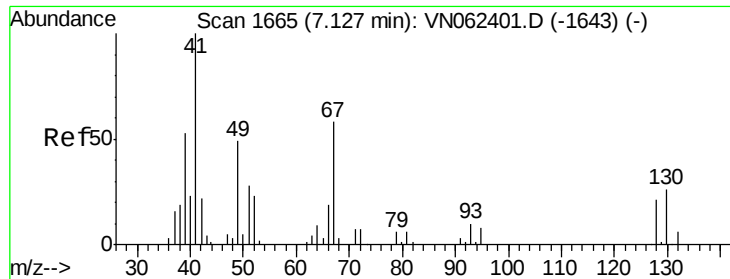
MMDadoda
7/13/2020 11:19:02 AM



#40
Benzene
Concen: 49.246 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





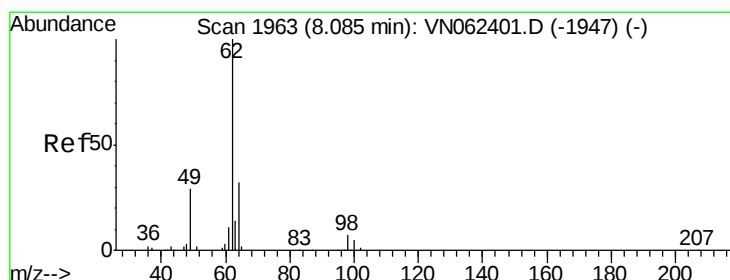
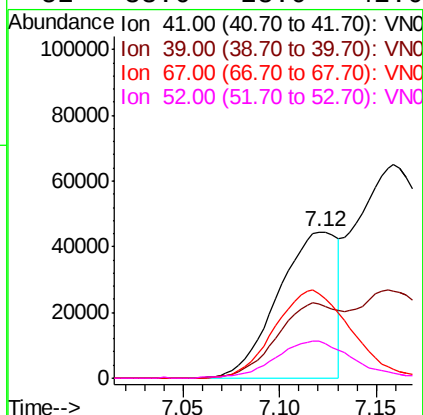
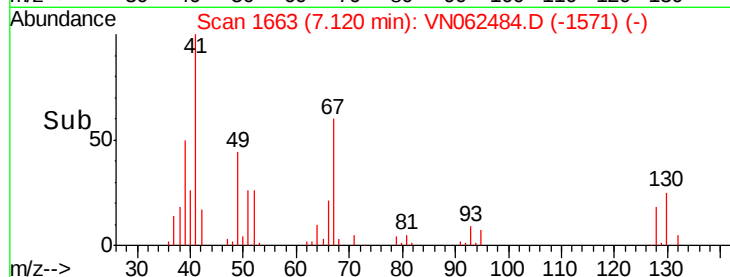
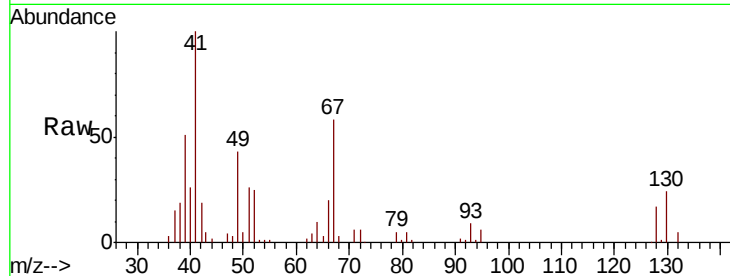
#41
Methacrylonitrile
Concen: 56.348 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	94994
Ion	Ratio	Lower	Upper
41	100		
39	55.3	50.2	75.2
67	78.1	64.2	96.2
52	33.6	28.0	42.0

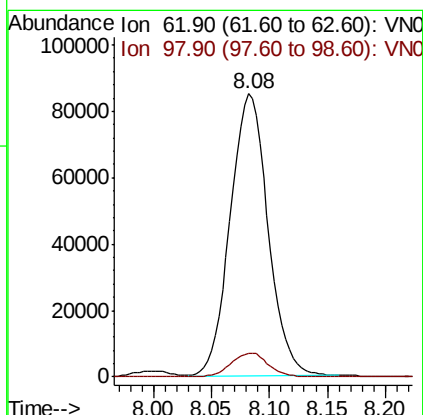
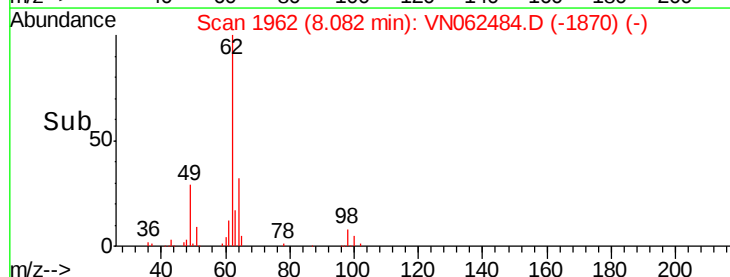
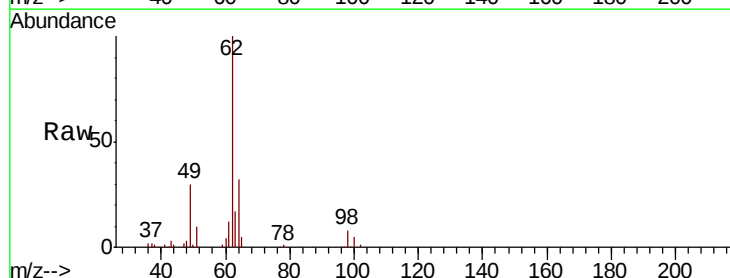
Manual Integrations
APPROVED

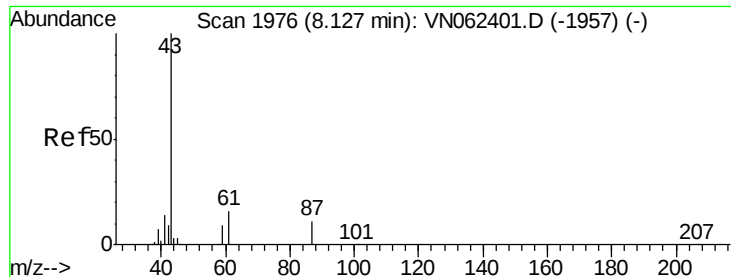
MMDadoda
7/13/2020 11:19:02 AM



#42
1,2-Dichloroethane
Concen: 51.969 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion:	62	Resp:	193528
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.8





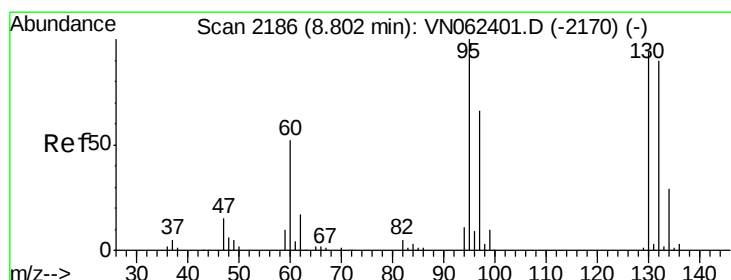
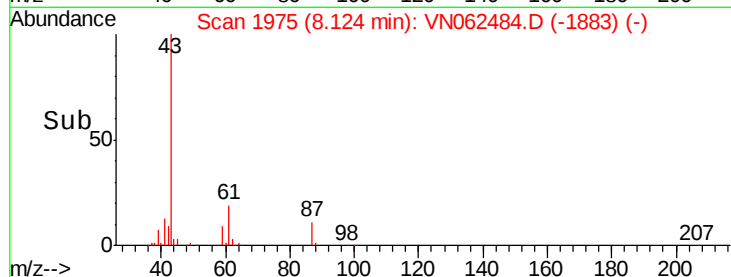
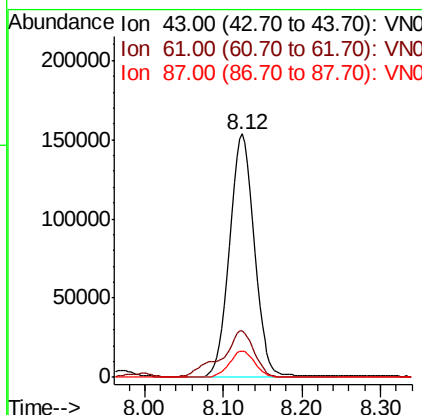
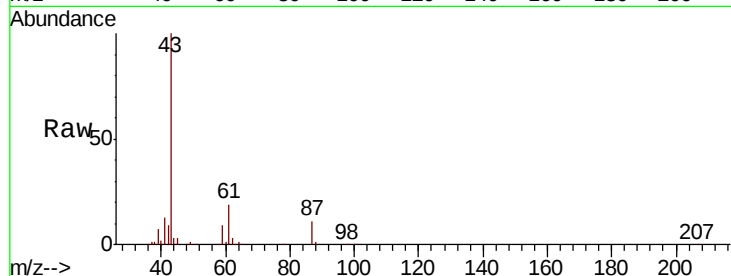
#43
Isopropyl Acetate
Concen: 52.648 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	335588
Ion	Ratio	Lower	Upper
43	100		
61	25.2	19.3	28.9
87	11.1	8.6	13.0

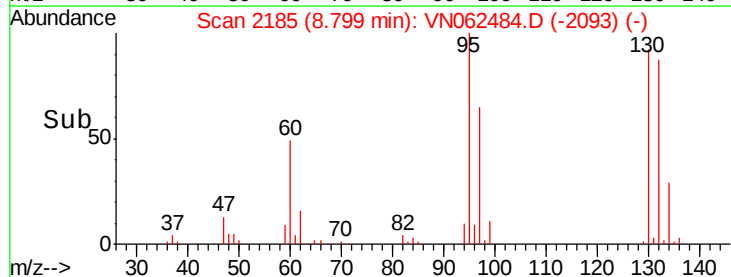
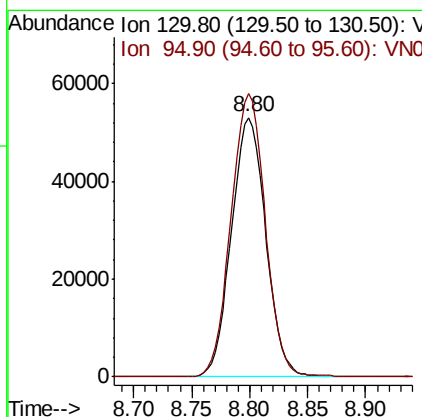
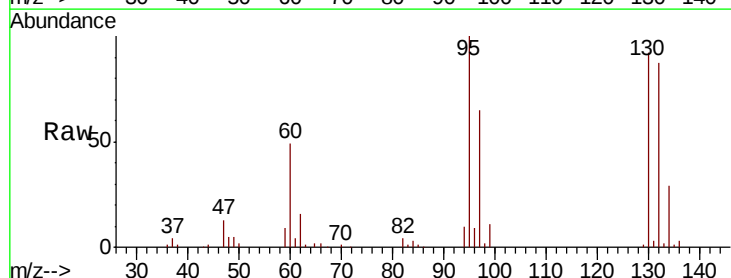
Manual Integrations
APPROVED

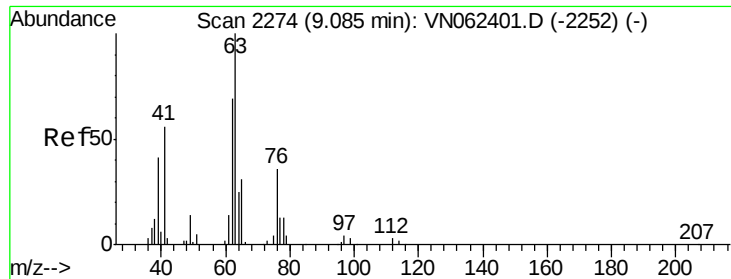
MMDadoda
7/13/2020 11:19:02 AM



#44
Trichloroethene
Concen: 48.548 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion:	130	Resp:	109548
Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	213.8





#45

1,2-Dichloropropane

Concen: 50.881 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150219

Ion Ratio Lower Upper

63 100

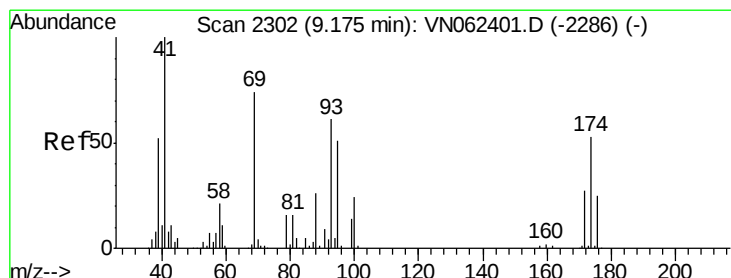
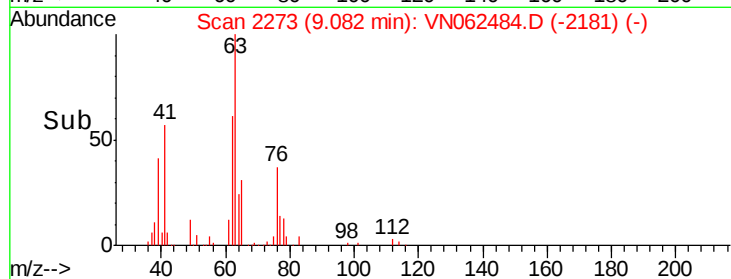
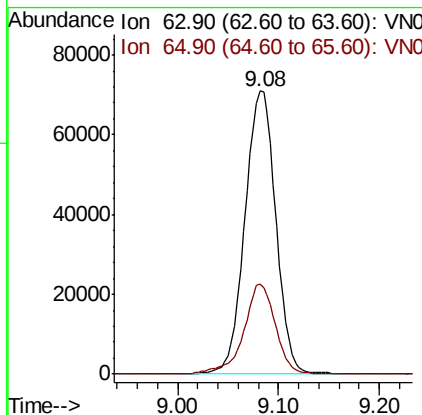
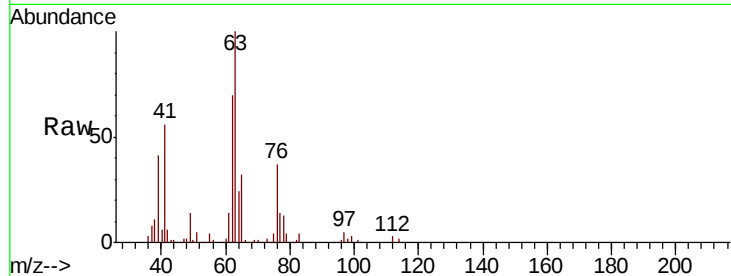
65 31.9 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#46

Dibromomethane

Concen: 51.384 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

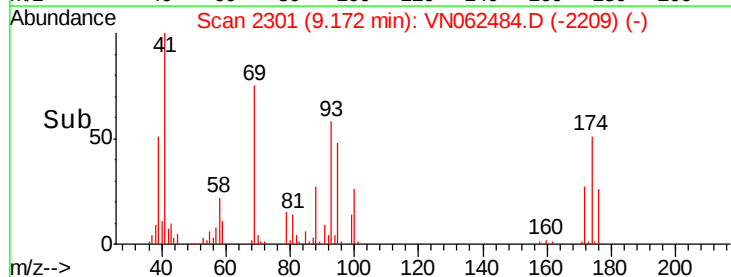
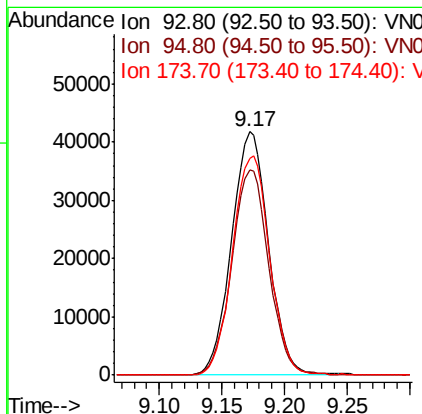
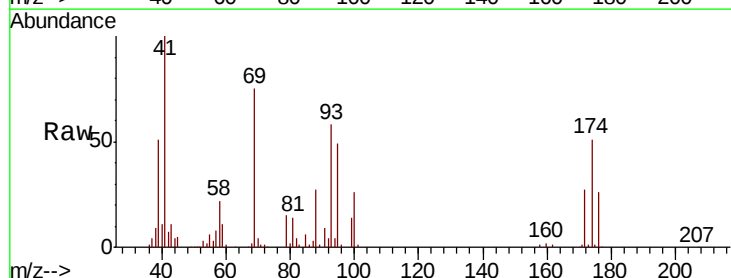
Tgt Ion: 93 Resp: 85610

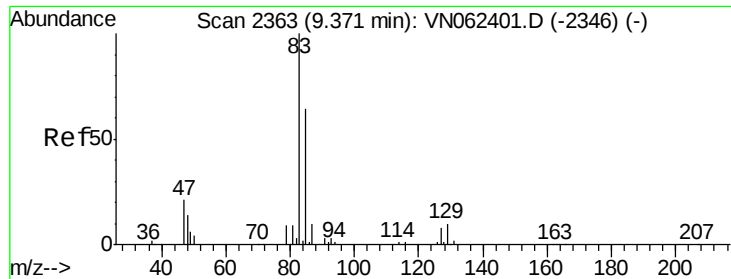
Ion Ratio Lower Upper

93 100

95 84.5 67.1 100.7

174 90.6 70.4 105.6





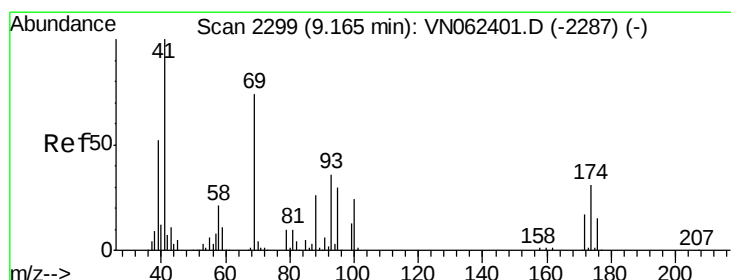
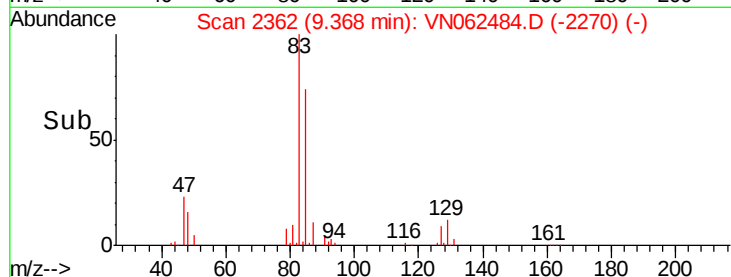
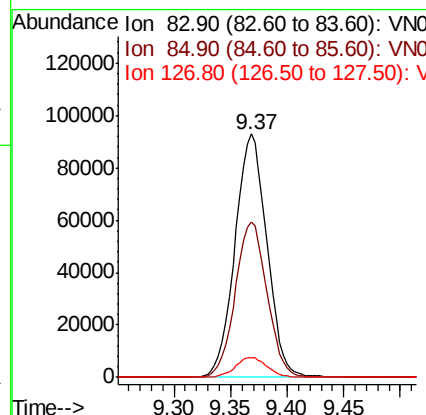
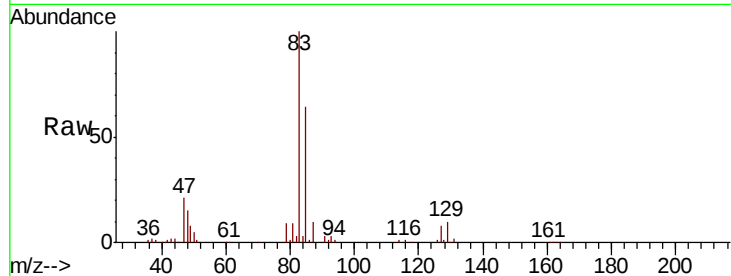
#47
 Bromodichloromethane
 Concen: 51.323 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8
127	8.2	6.2	9.2

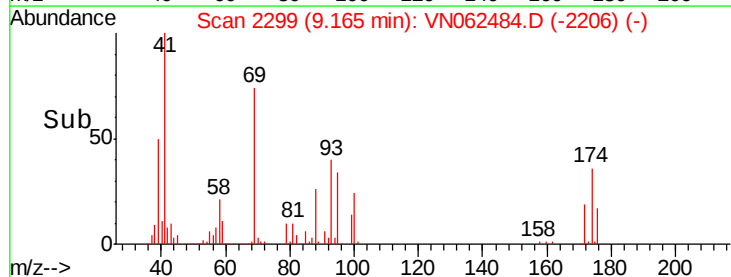
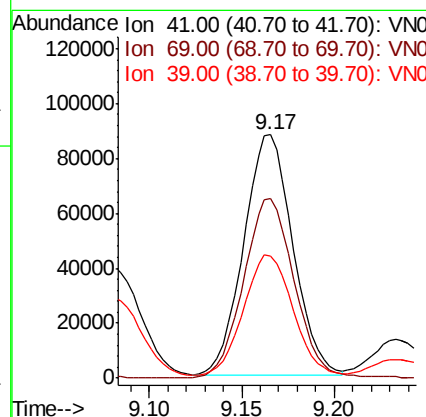
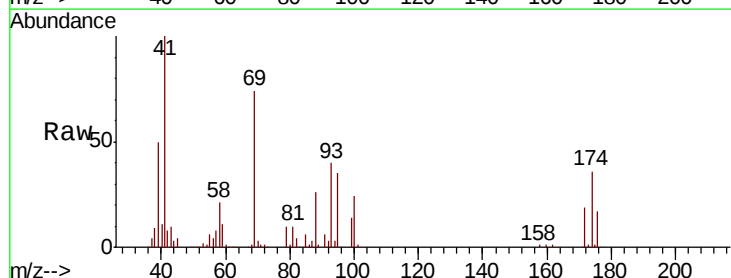
Manual Integrations
 APPROVED

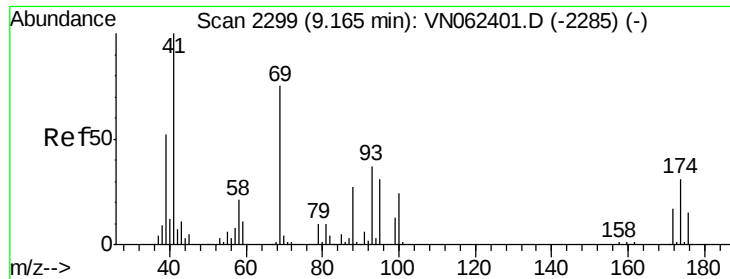
MMDadoda
 7/13/2020 11:19:02 AM



#48
 Methyl methacrylate
 Concen: 51.793 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.5	60.8	91.2
39	52.6	43.5	65.3





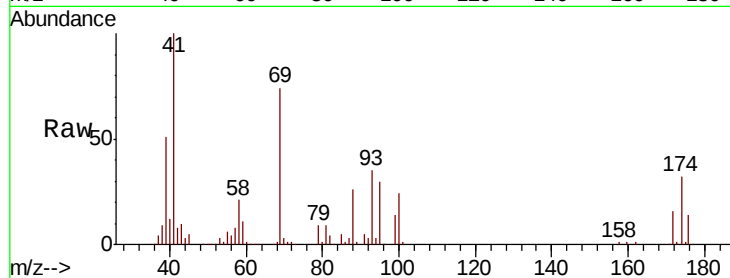
#49
1,4-Dioxane
Concen: 1050.815 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

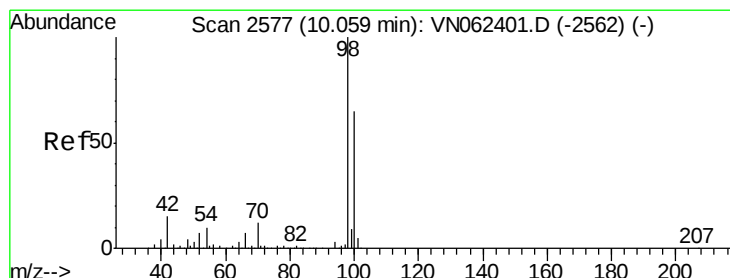
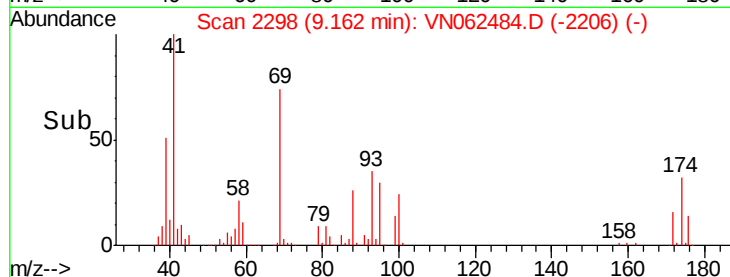
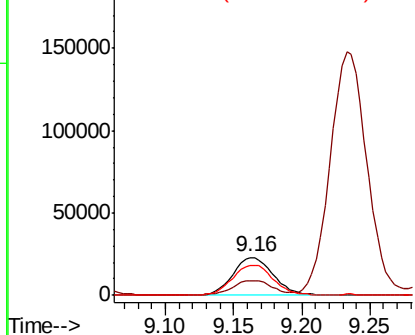
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	31.0	46.4
58	80.0	63.3	94.9

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM

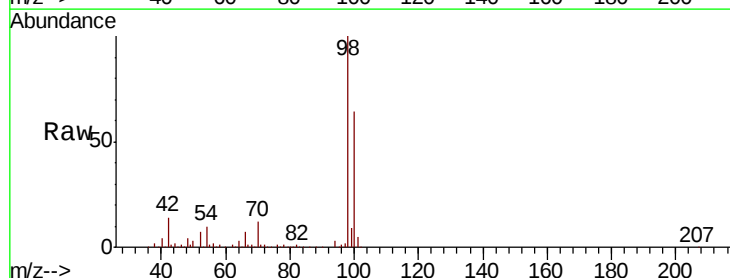


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

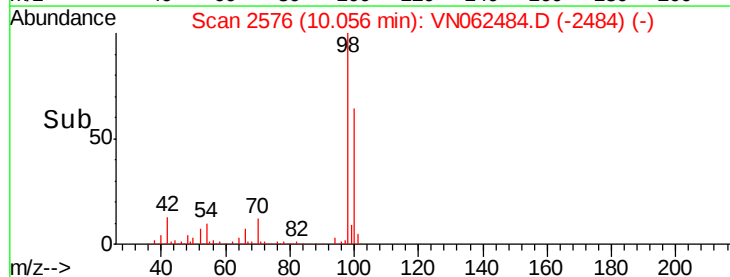
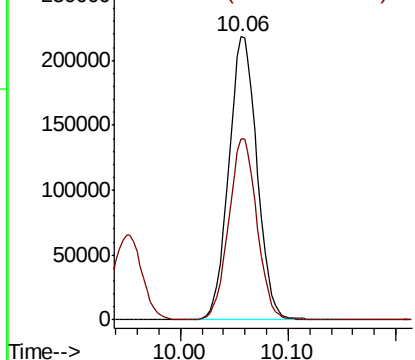


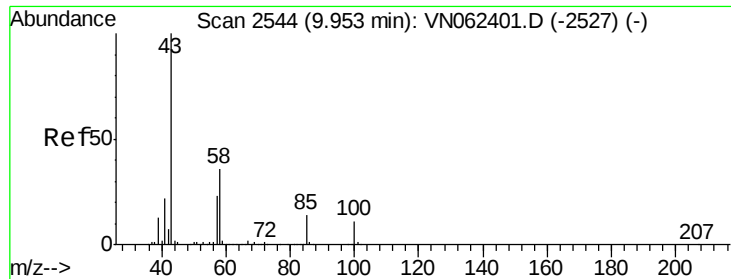
#50
Toluene-d8
Concen: 47.814 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 266.049 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1012902

Ion Ratio Lower Upper

43 100

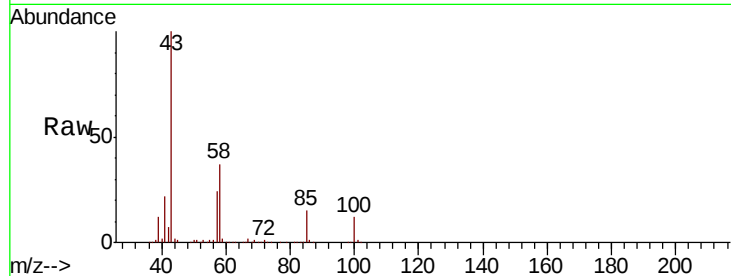
58 36.7 29.0 43.6

Manual Integrations

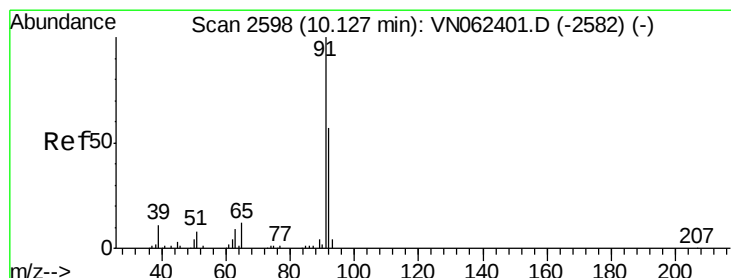
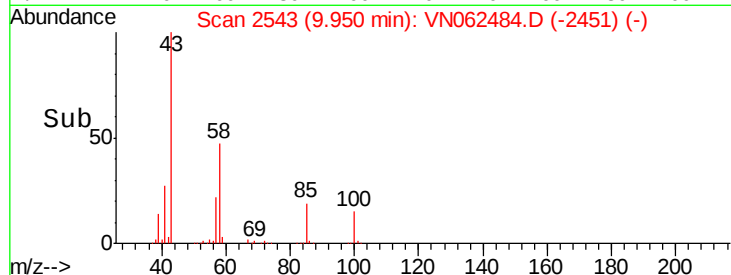
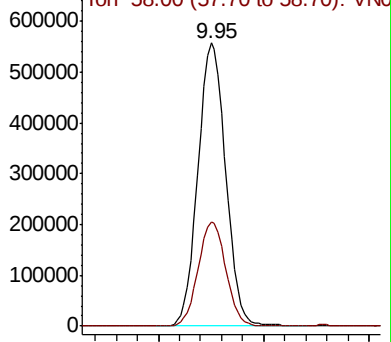
APPROVED

MMDadoda

7/13/2020 11:19:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2527) (-)



#52

Toluene

Concen: 50.107 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062484.D

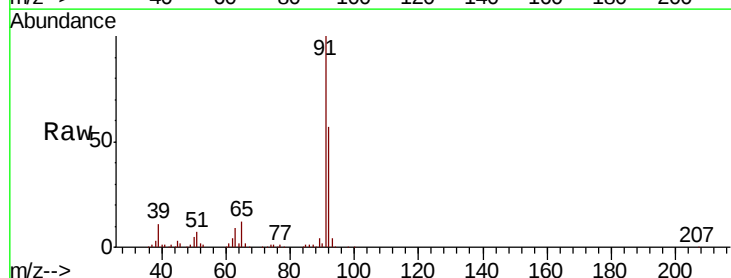
Acq: 10 Jul 2020 10:41

Tgt Ion: 92 Resp: 294351

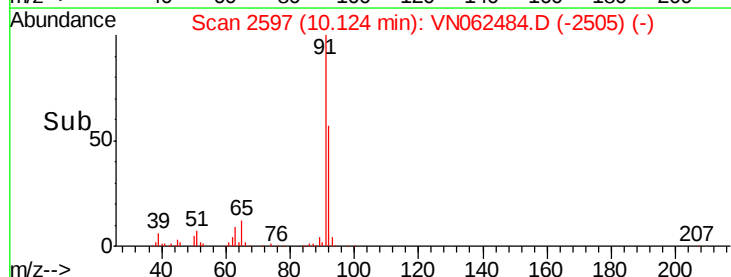
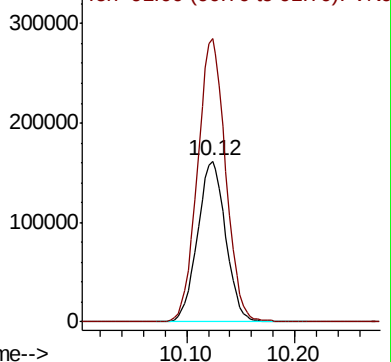
Ion Ratio Lower Upper

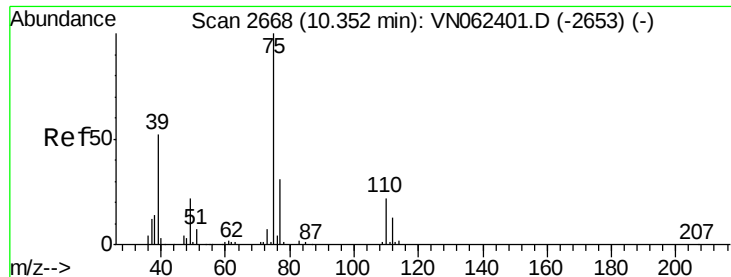
92 100

91 176.4 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062401.D (-2582) (-)





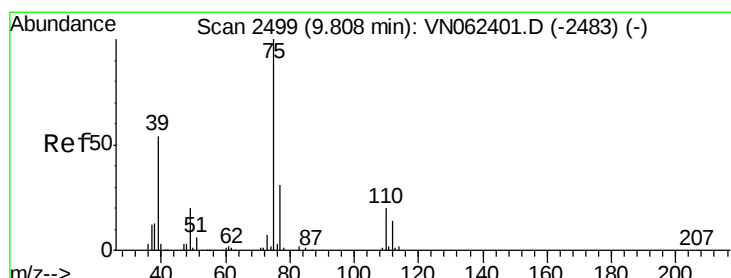
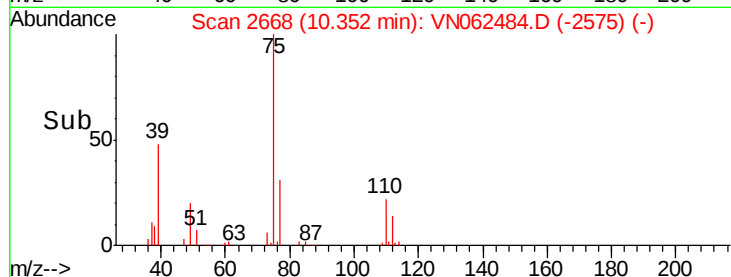
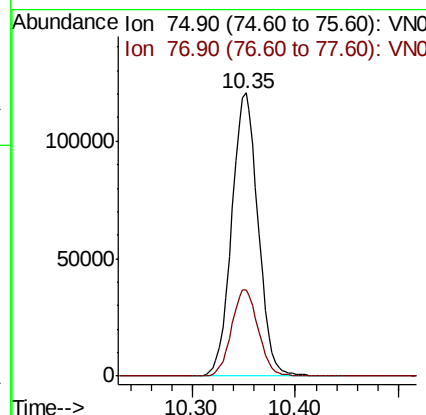
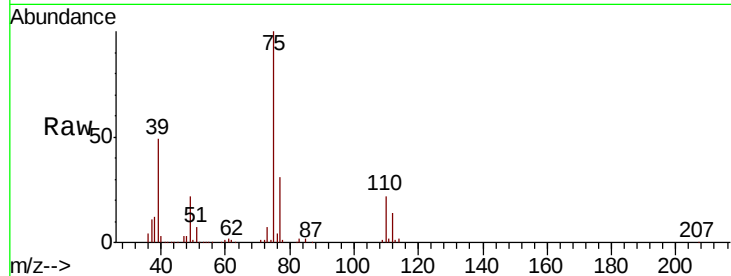
#53
t-1,3-Dichloropropene
Concen: 53.872 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8

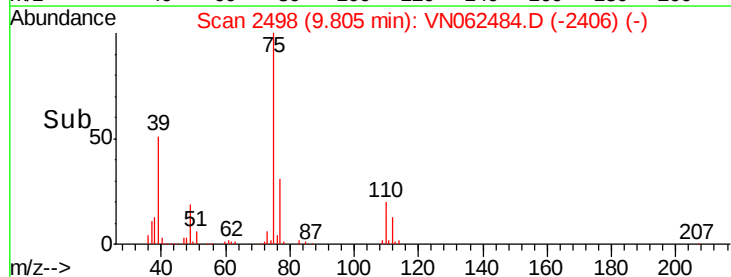
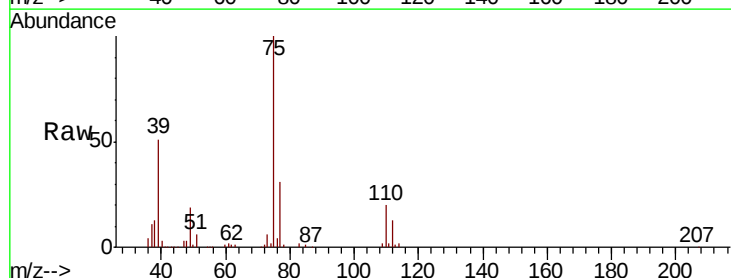
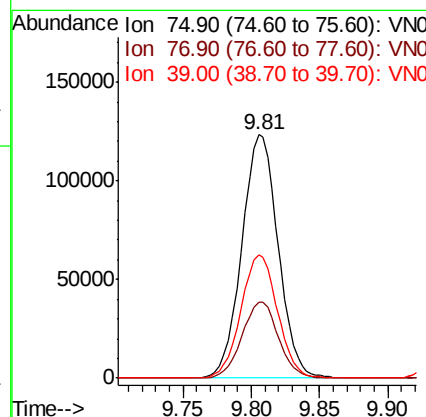
Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM



#54
cis-1,3-Dichloropropene
Concen: 51.780 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.5	36.7
39	50.8	43.4	65.0





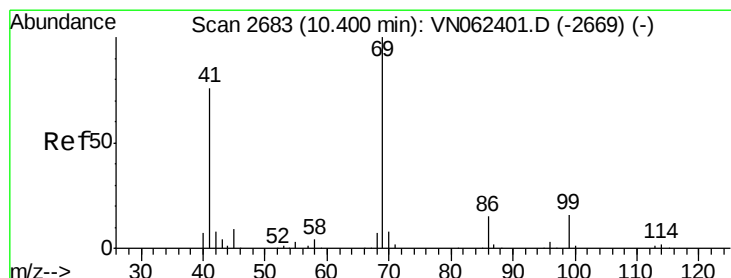
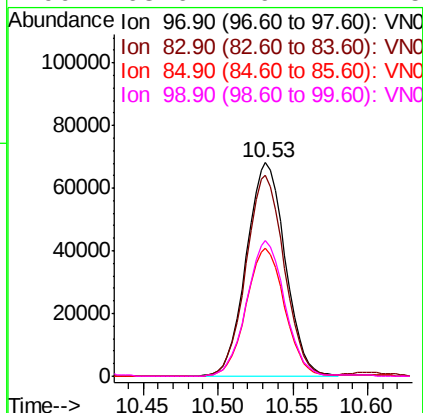
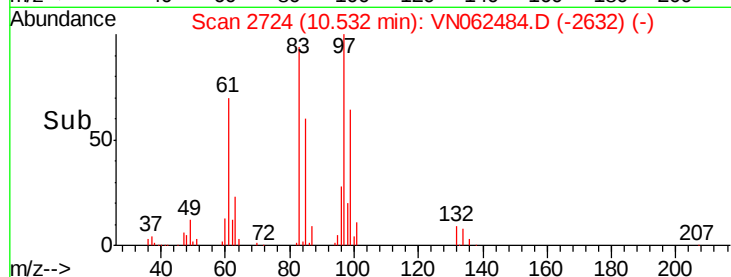
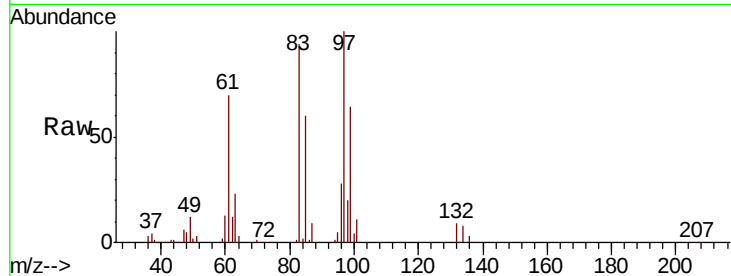
#55
1,1,2-Trichloroethane
Concen: 53.344 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123247		
83	94.3	71.0	106.4		
85	59.7	46.2	69.4		
99	63.6	49.7	74.5		

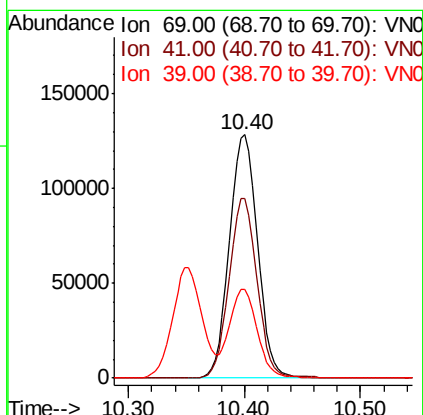
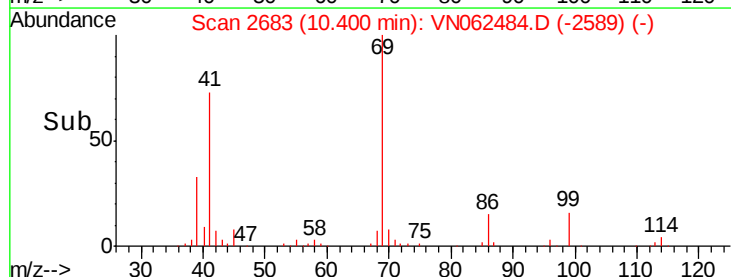
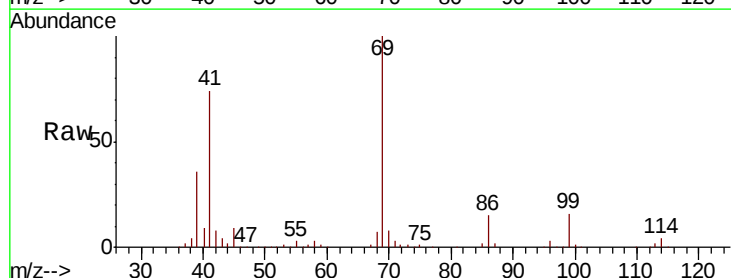
Manual Integrations
APPROVED

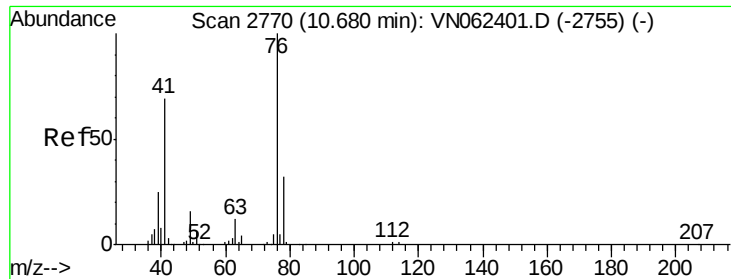
MMDadoda
7/13/2020 11:19:02 AM



#56
Ethyl methacrylate
Concen: 50.735 ug/l
RT: 10.40 min Scan# 2683
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		215837		
41	72.2	59.7	89.5		
39	35.1	30.6	45.8		





#57

1,3-Dichloropropane

Concen: 52.717 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 225024

Ion Ratio Lower Upper

76 100

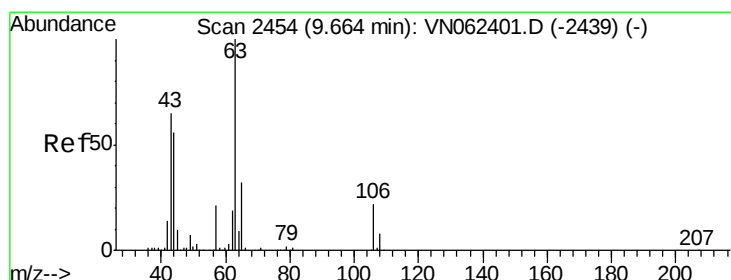
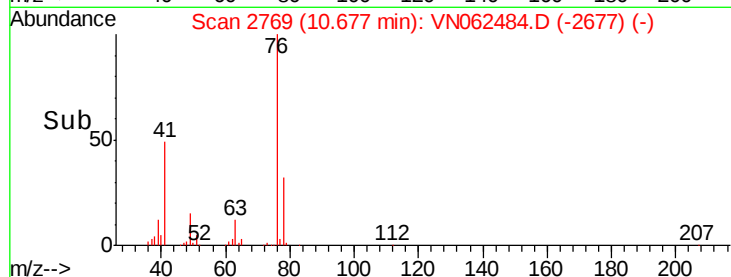
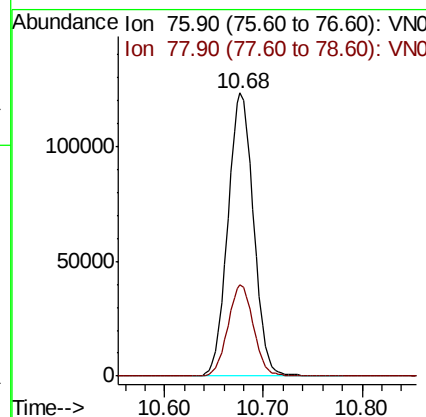
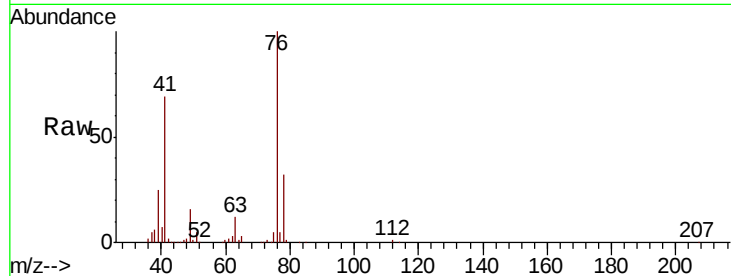
78 32.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 275.240 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062484.D

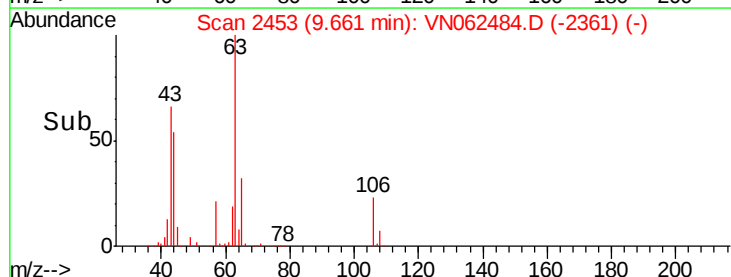
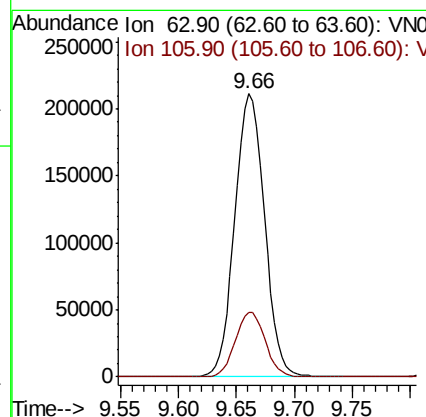
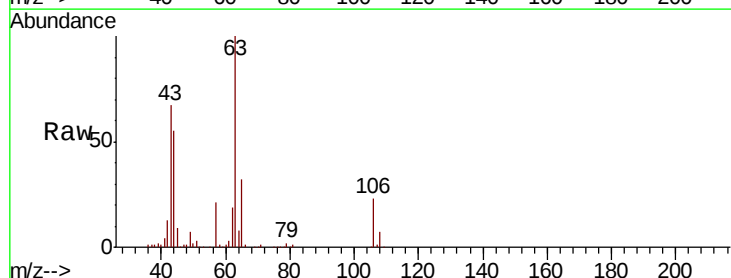
Acq: 10 Jul 2020 10:41

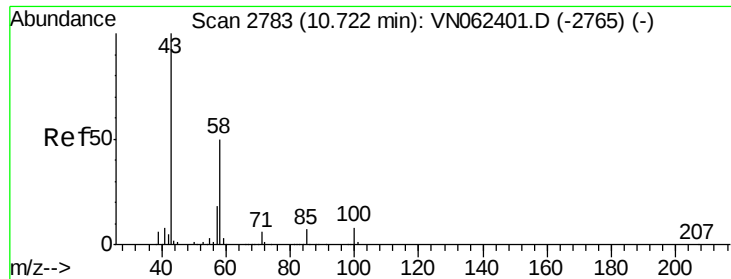
Tgt Ion: 63 Resp: 377270

Ion Ratio Lower Upper

63 100

106 22.8 17.6 26.4





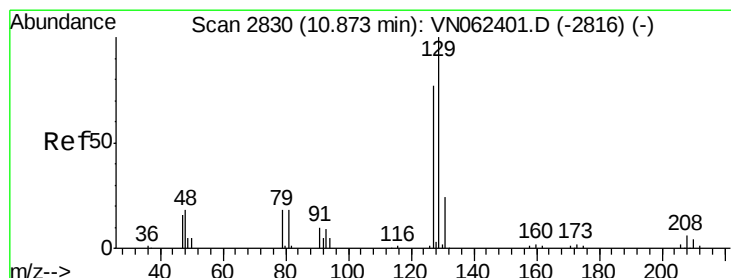
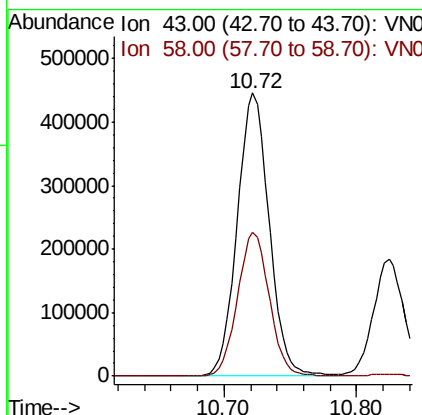
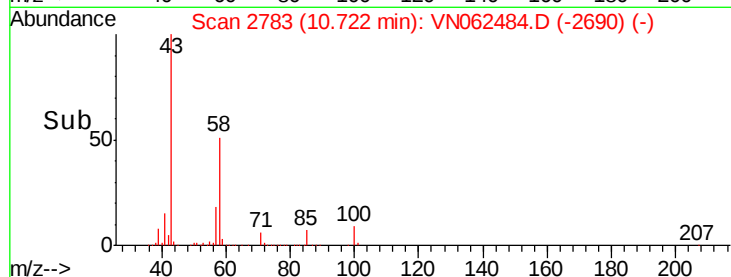
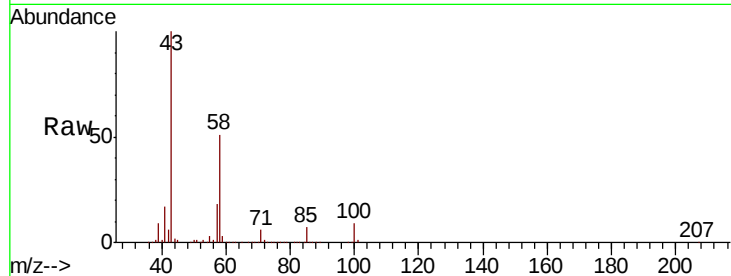
#59
2-Hexanone
Concen: 268.959 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 743381
Ion Ratio Lower Upper
43 100
58 51.0 25.1 75.2

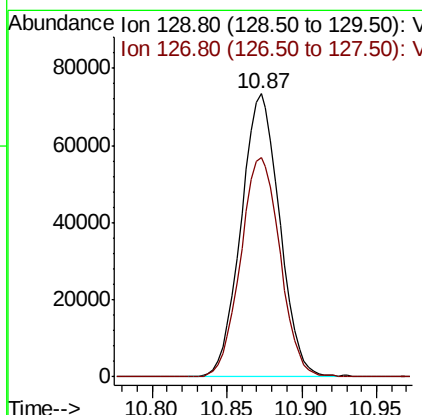
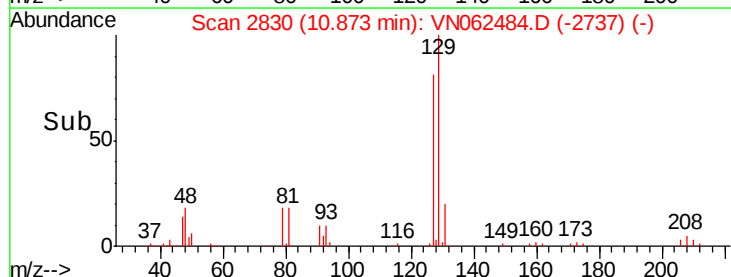
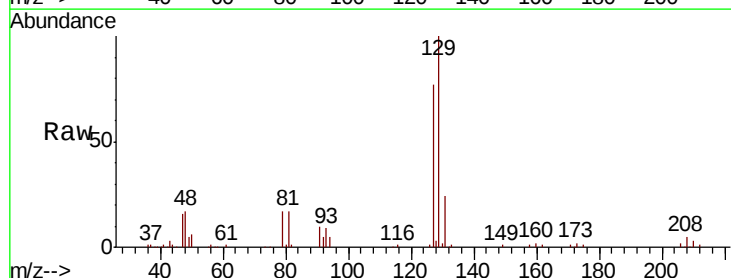
Manual Integrations
APPROVED

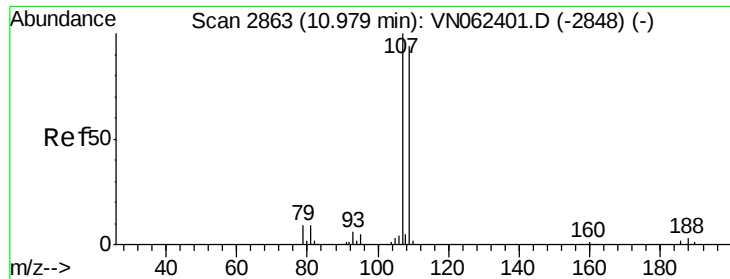
MMDadoda
7/13/2020 11:19:02 AM



#60
Dibromochloromethane
Concen: 52.609 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion: 129 Resp: 131794
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





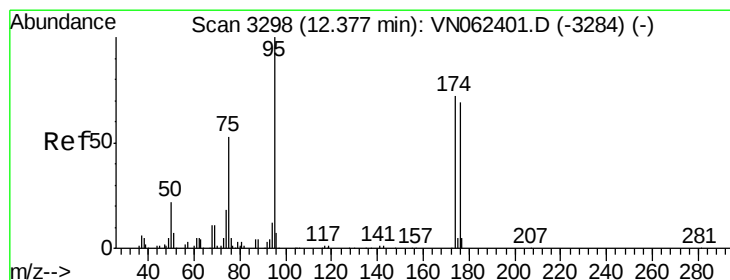
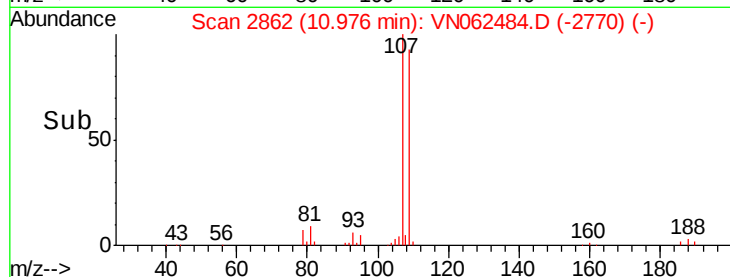
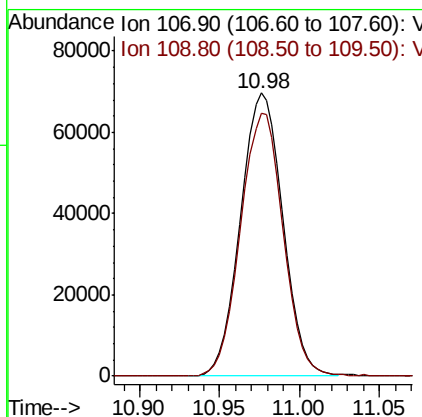
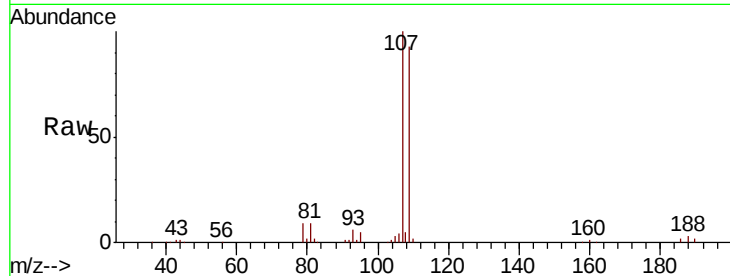
#61
 1,2-Dibromoethane
 Concen: 53.925 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.6	113.4

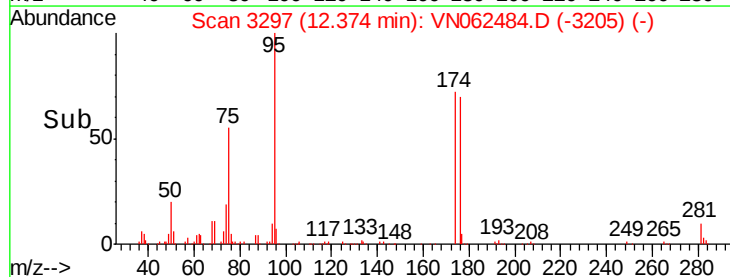
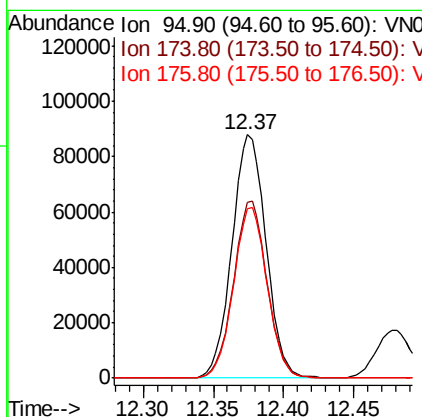
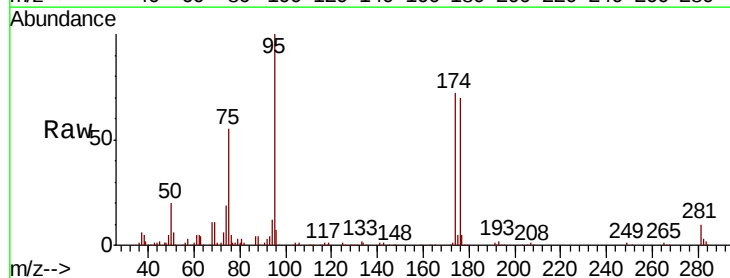
Manual Integrations
 APPROVED

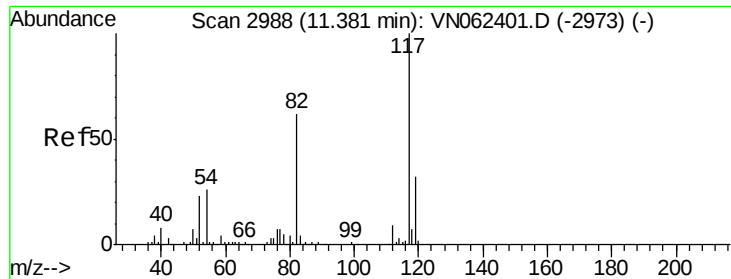
MMDadoda
 7/13/2020 11:19:02 AM



#62
 4-Bromofluorobenzene
 Concen: 48.698 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.6
176	69.5	0.0	137.2





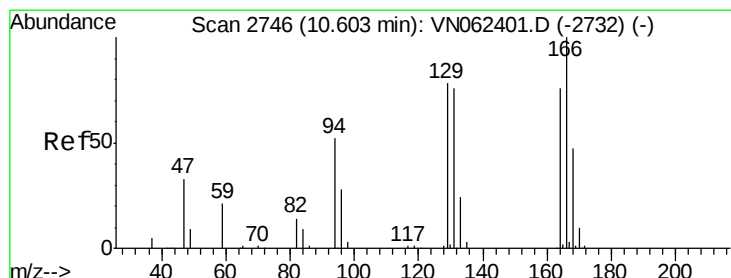
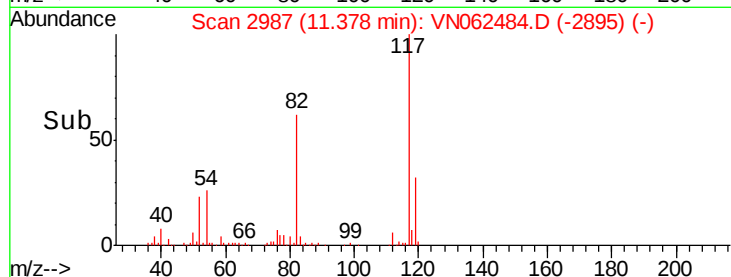
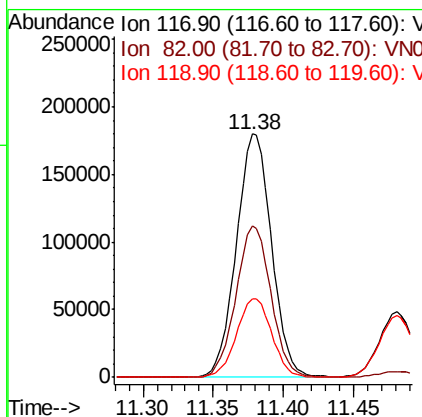
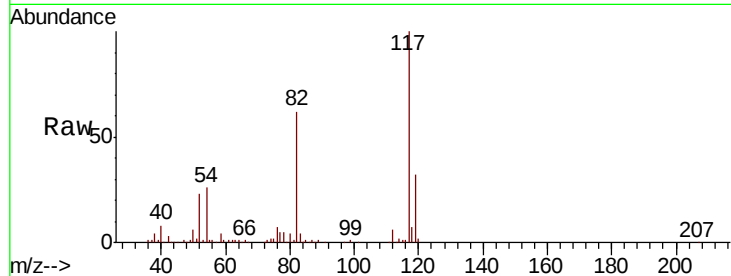
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315210		
82	62.2	49.6	74.4	
119	32.0	25.4	38.0	

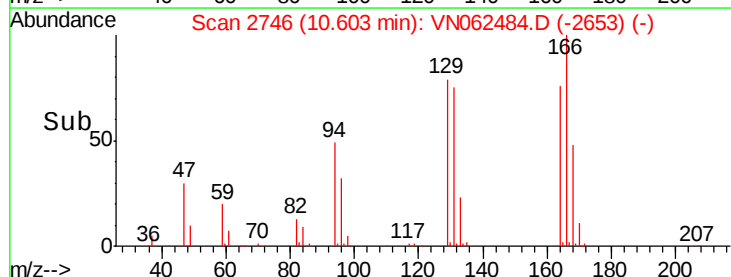
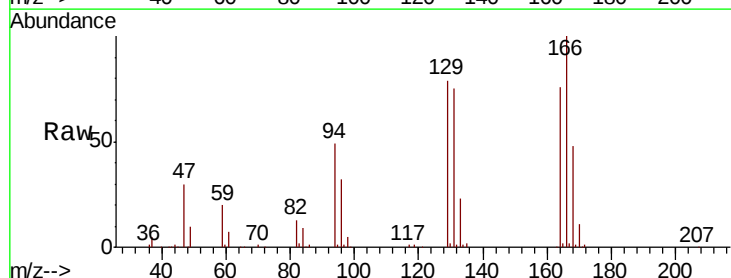
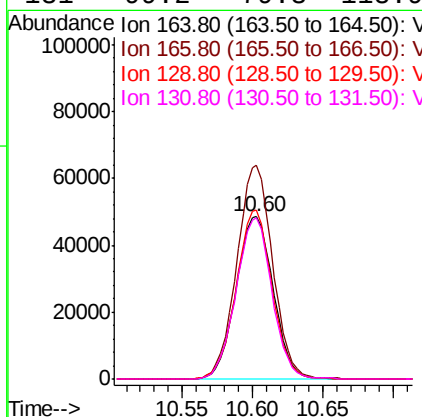
Manual Integrations
APPROVED

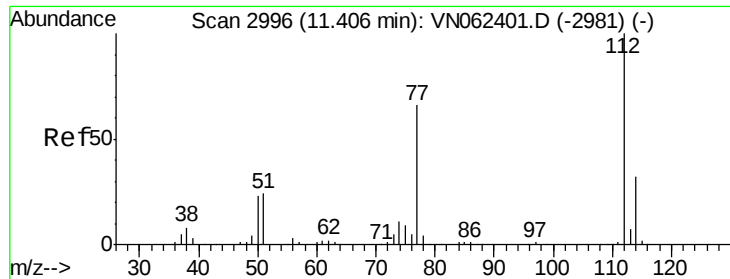
MMDadoda
7/13/2020 11:19:02 AM



#64
Tetrachloroethene
Concen: 47.873 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89545		
166	131.8	104.9	157.3	
129	104.0	81.8	122.6	
131	99.2	79.3	118.9	





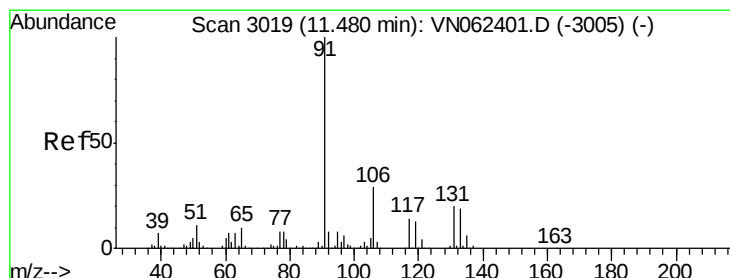
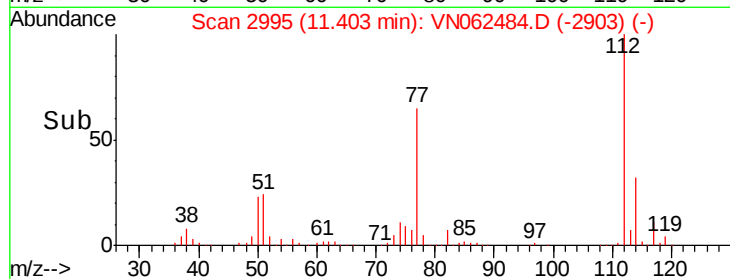
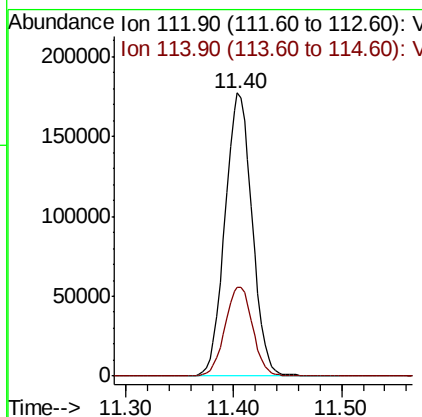
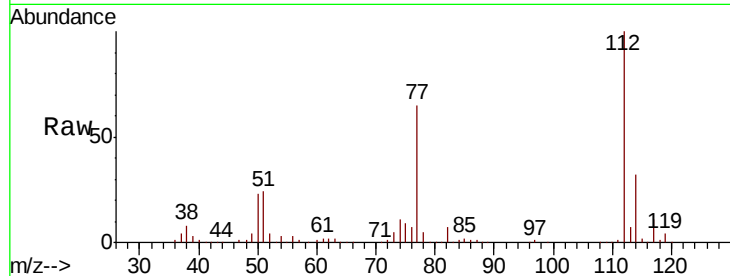
#65
Chlorobenzene
Concen: 50.729 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 310775
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

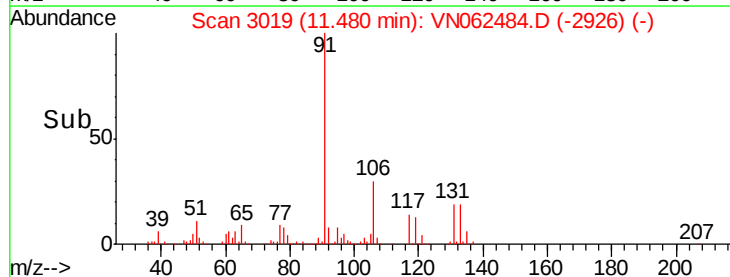
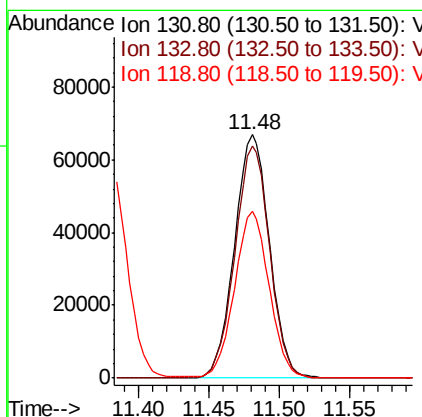
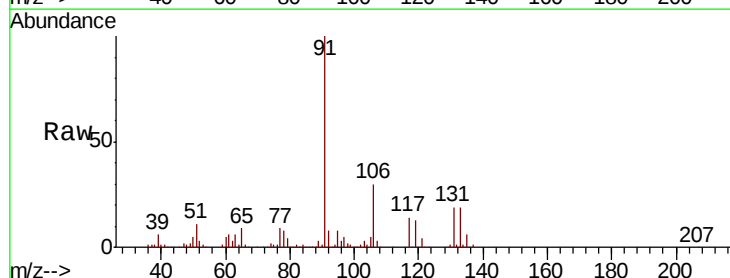
Manual Integrations
APPROVED

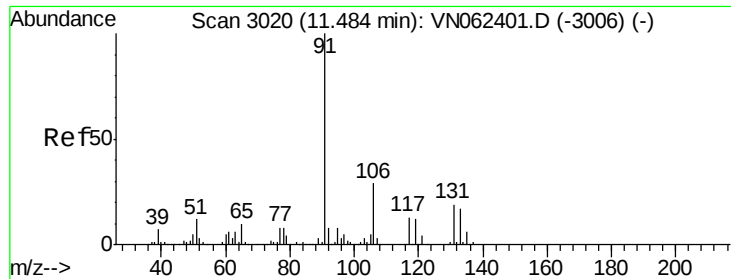
MMDadoda
7/13/2020 11:19:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.443 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion:131 Resp: 116218
Ion Ratio Lower Upper
131 100
133 95.0 46.9 140.8
119 68.1 33.2 99.6





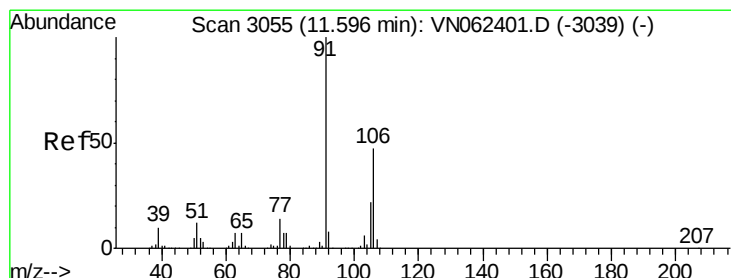
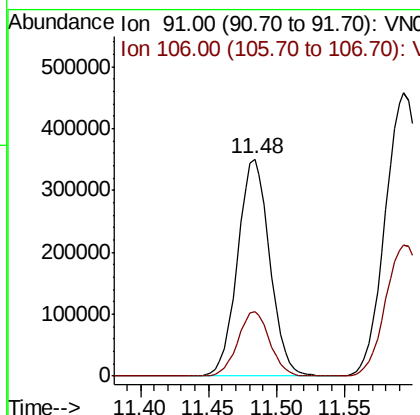
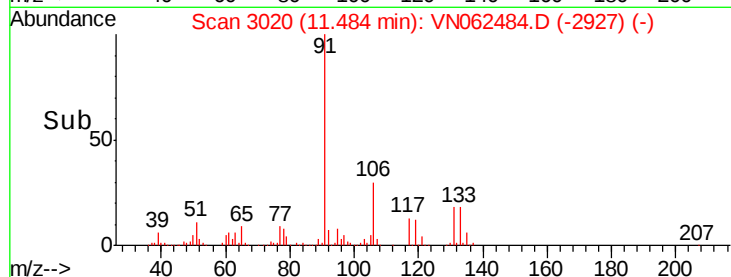
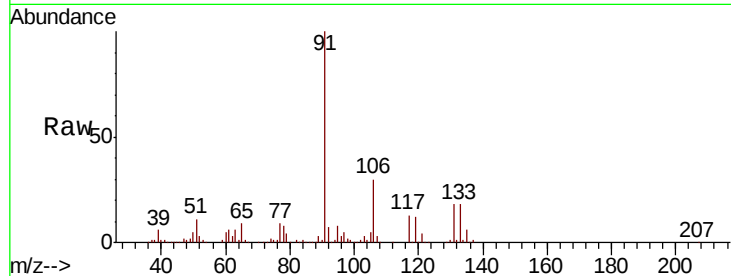
#67
Ethyl Benzene
Concen: 49.941 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 574288
Ion Ratio Lower Upper
91 100
106 30.0 23.4 35.2

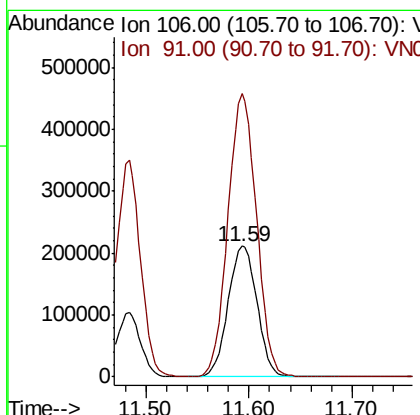
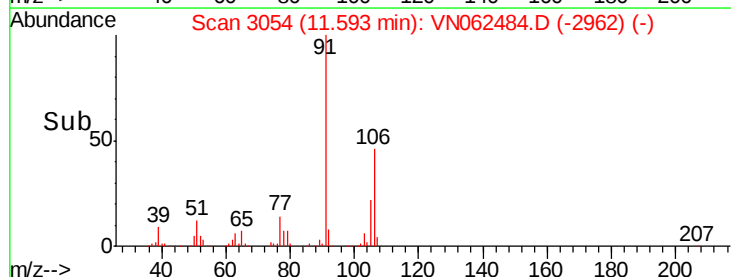
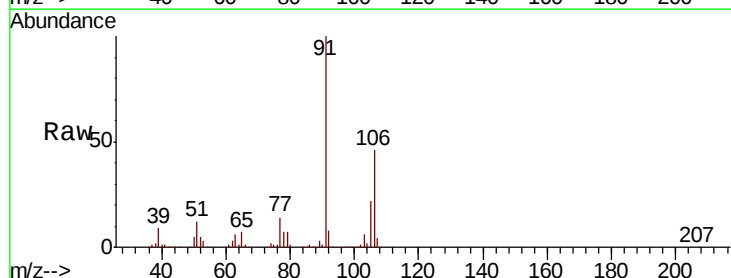
Manual Integrations
APPROVED

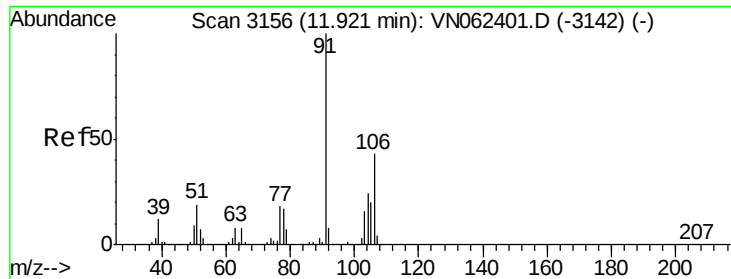
MMDadoda
7/13/2020 11:19:02 AM



#68
m/p-Xylenes
Concen: 101.655 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion: 106 Resp: 413824
Ion Ratio Lower Upper
106 100
91 213.4 172.4 258.6





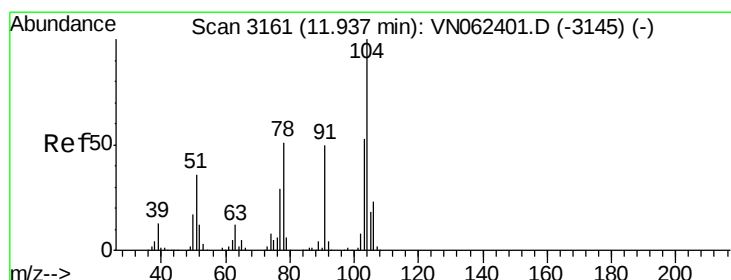
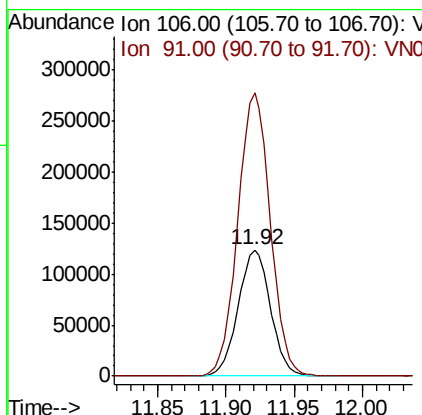
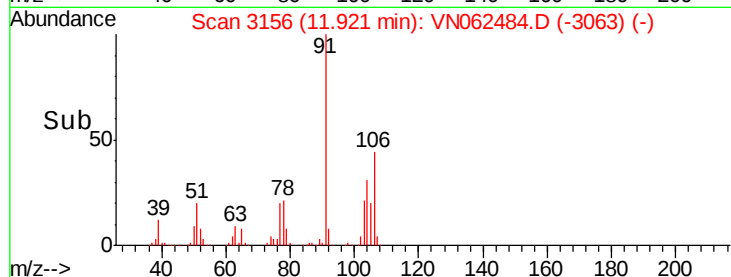
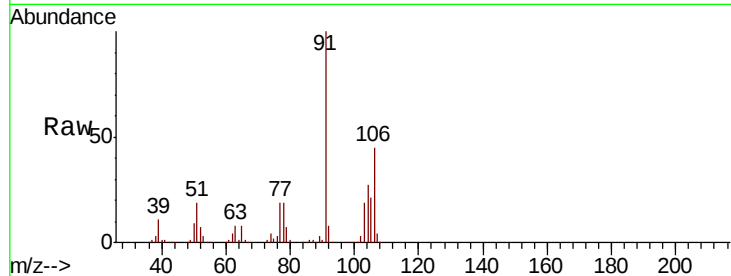
#69
o-Xylene
Concen: 51.497 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		204110		
91	225.0	113.8	341.4		

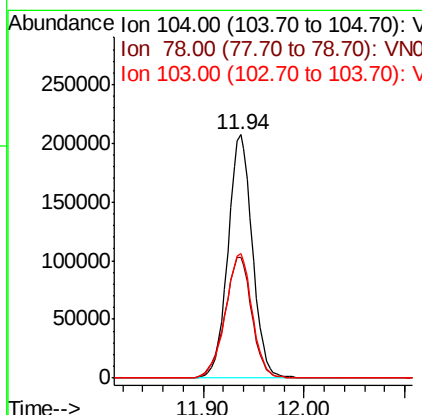
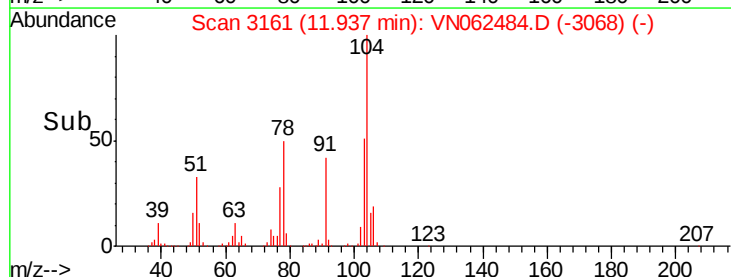
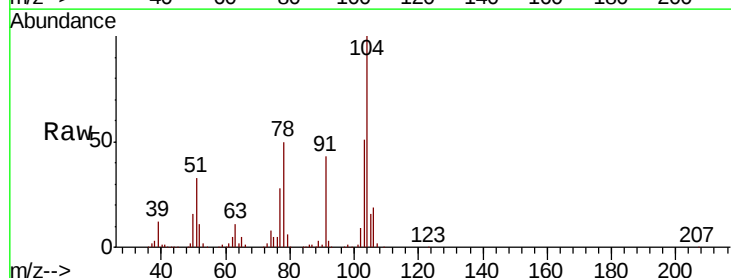
Manual Integrations
APPROVED

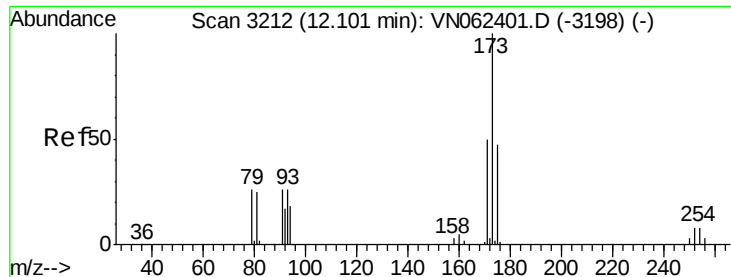
MMDadoda
7/13/2020 11:19:02 AM



#70
Styrene
Concen: 53.455 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		350164		
78	55.1	44.2	66.4		
103	55.9	44.4	66.6		





#71

Bromoform

Concen: 55.164 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 91359

Ion Ratio Lower Upper

173 100

175 48.5 23.7 71.1

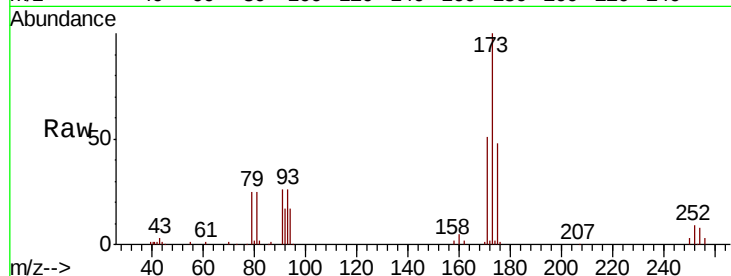
254 0.0 0.0 0.0

Manual Integrations

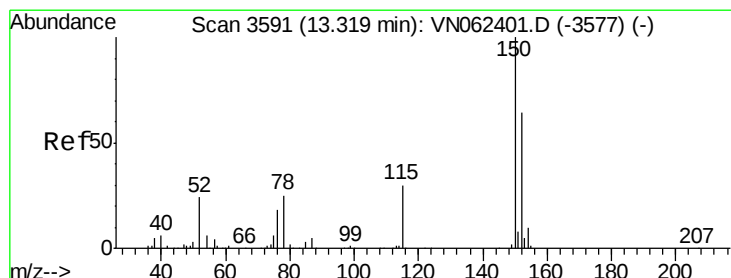
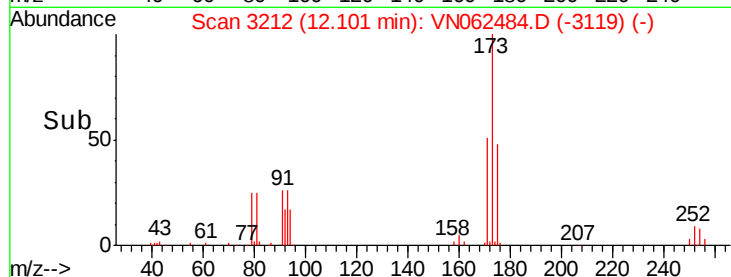
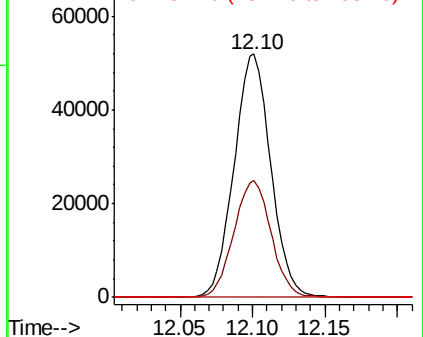
APPROVED

MMDadoda

7/13/2020 11:19:02 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: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

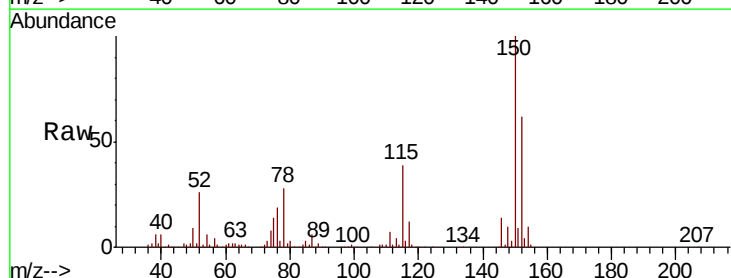
Tgt Ion:152 Resp: 148379

Ion Ratio Lower Upper

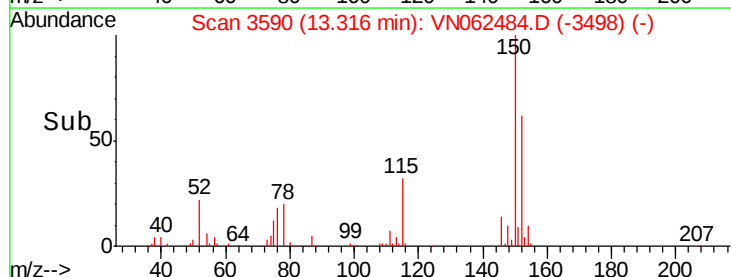
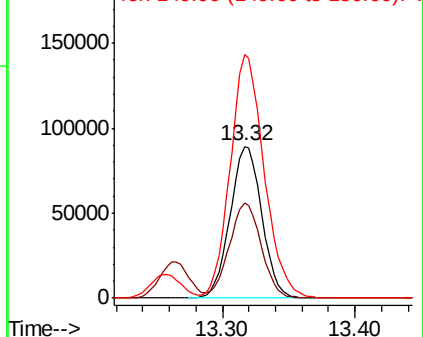
152 100

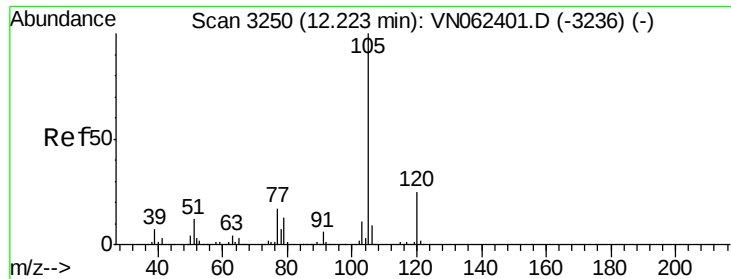
115 63.1 31.4 94.2

150 171.9 0.0 347.4



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





#73

Isopropylbenzene

Concen: 46.753 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 536814

Ion Ratio Lower Upper

105 100

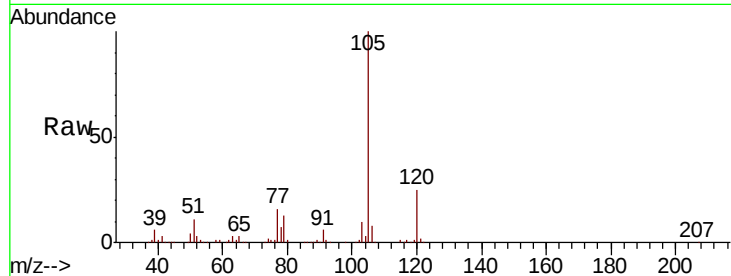
120 25.8 12.7 38.1

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

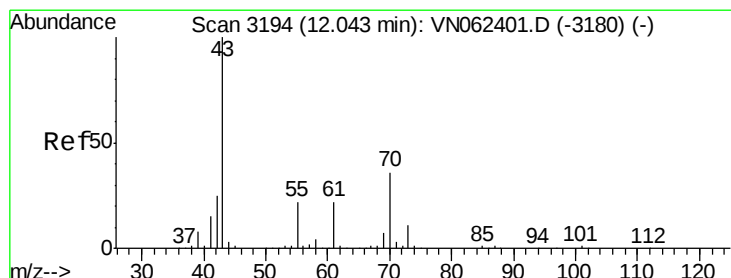
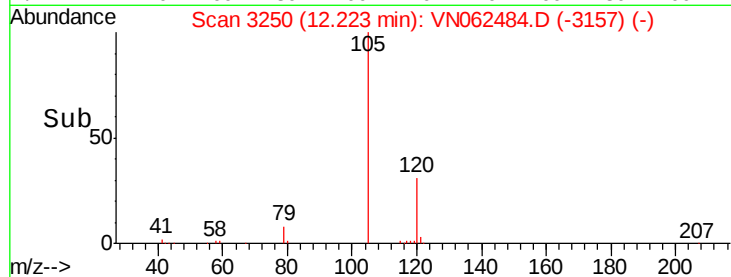
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 52.325 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Tgt Ion: 43 Resp: 292419

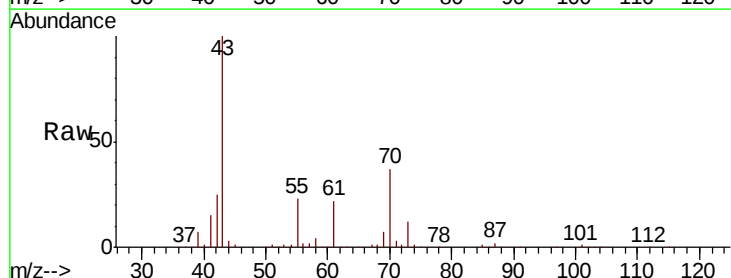
Ion Ratio Lower Upper

43 100

70 37.8 30.0 45.0

55 23.7 18.2 27.4

61 22.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

300000

250000

200000

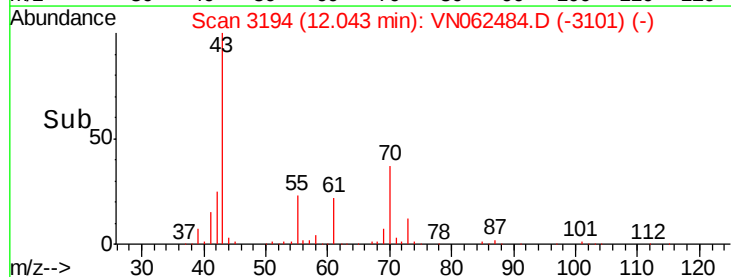
150000

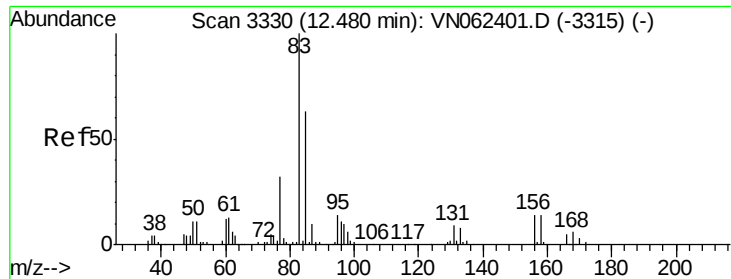
100000

50000

0

Time-->





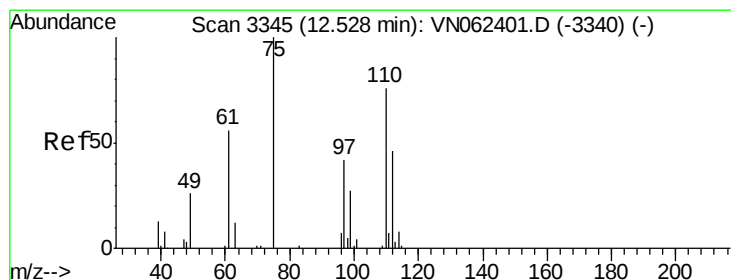
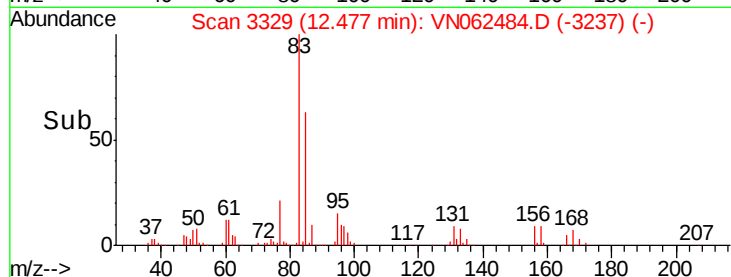
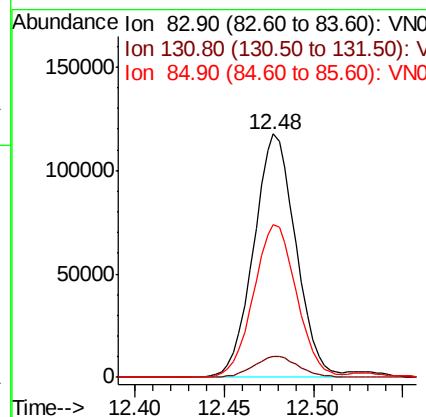
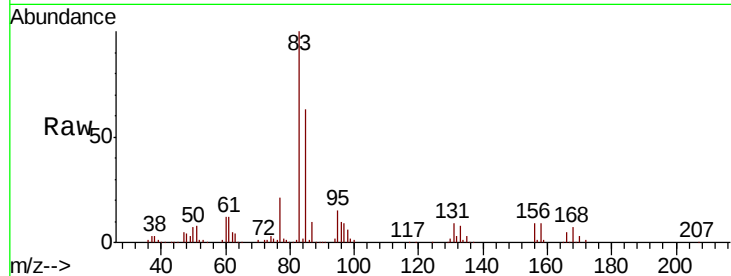
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.282 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	194120		
131	9.2	4.5	13.5	
85	64.1	31.9	95.9	

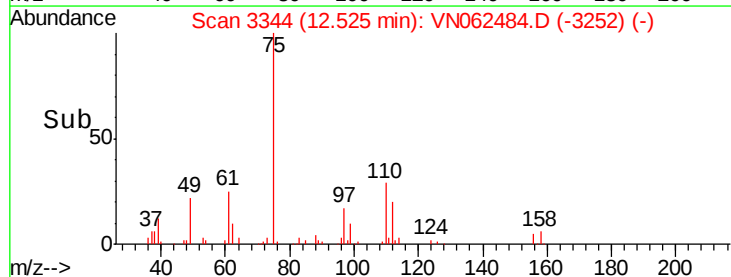
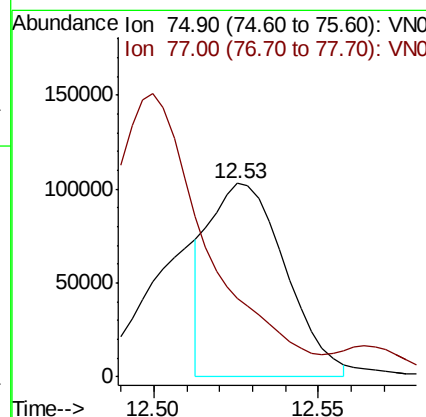
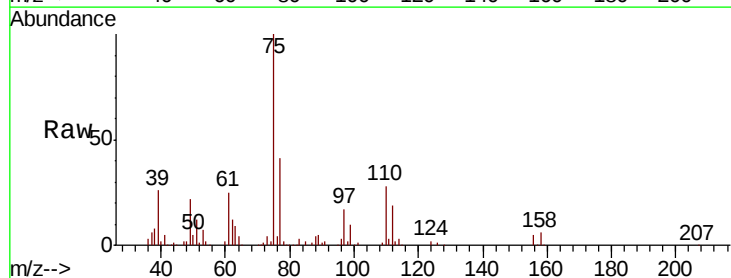
Manual Integrations
 APPROVED

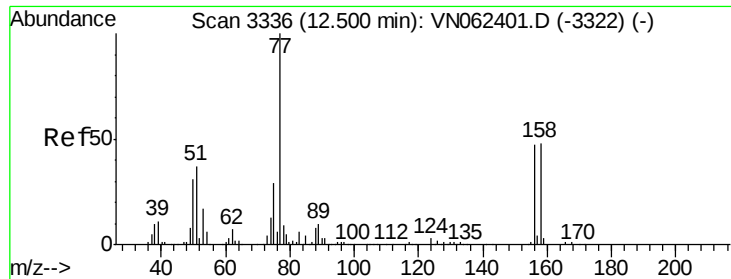
MMDadoda
 7/13/2020 11:19:02 AM



#76
 1,2,3-Trichloropropane
 Concen: 45.461 ug/l m
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165511		
77	0.0	0.0	0.0	





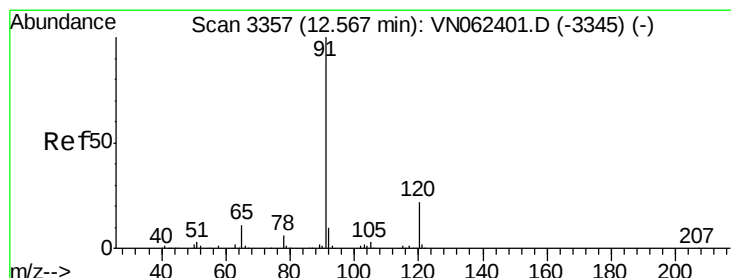
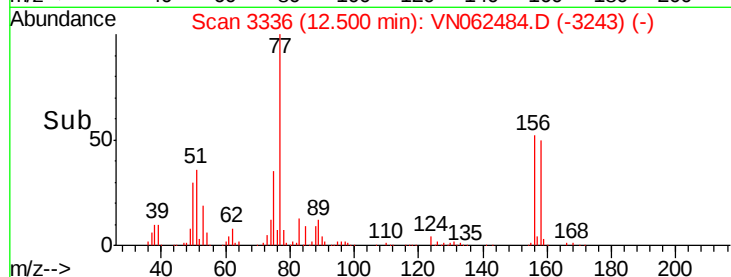
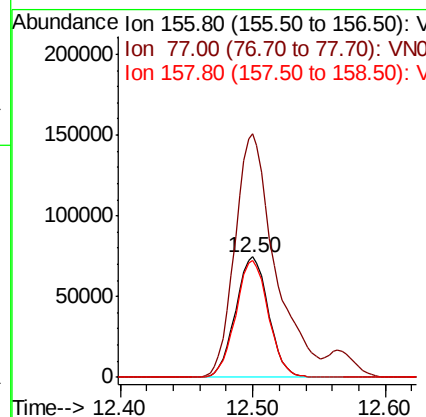
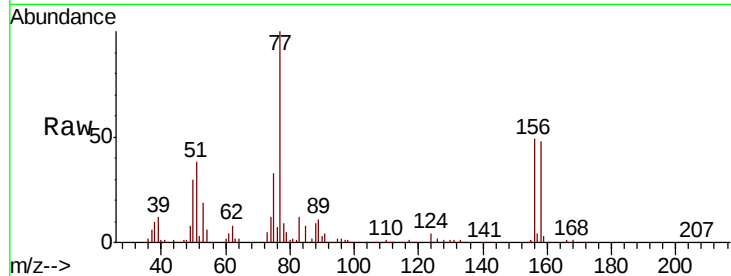
#77
Bromobenzene
Concen: 49.284 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	246.5	126.4	379.3
158	96.2	49.8	149.4

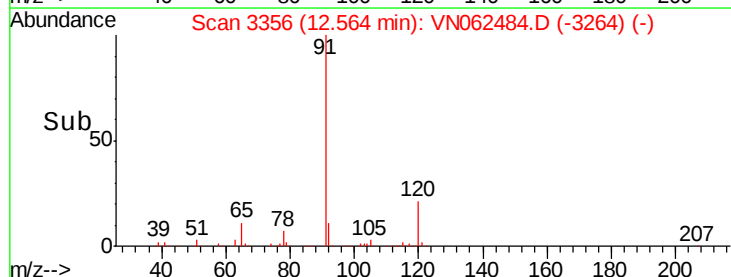
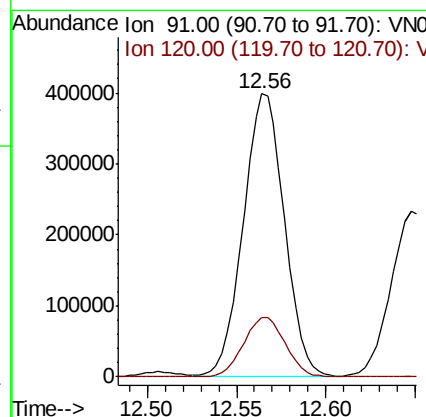
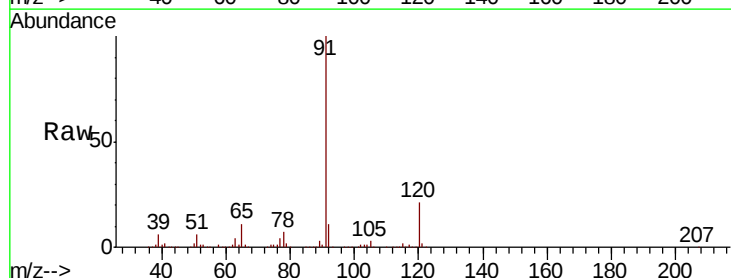
Manual Integrations
APPROVED

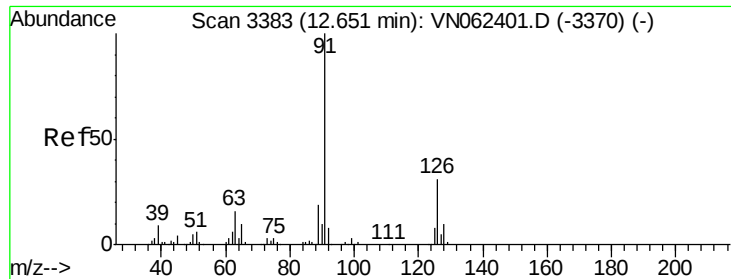
MMDadoda
7/13/2020 11:19:02 AM



#78
n-propylbenzene
Concen: 47.950 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.7	32.1





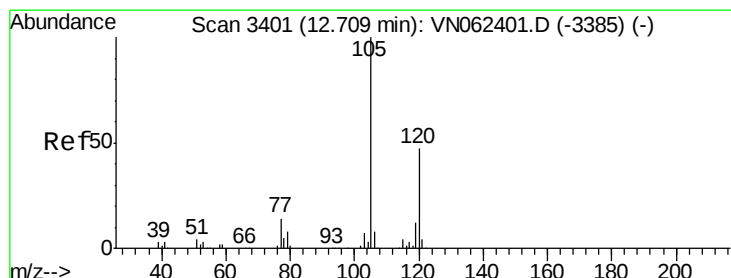
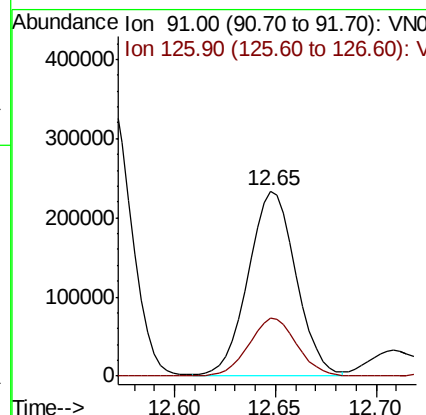
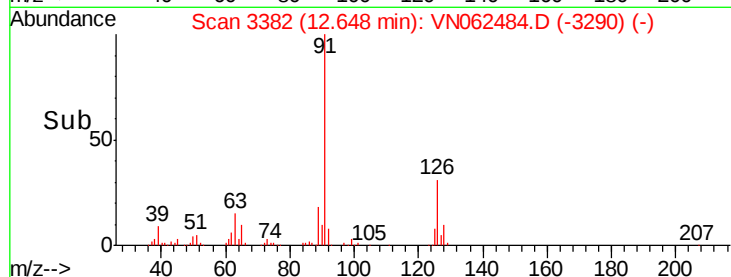
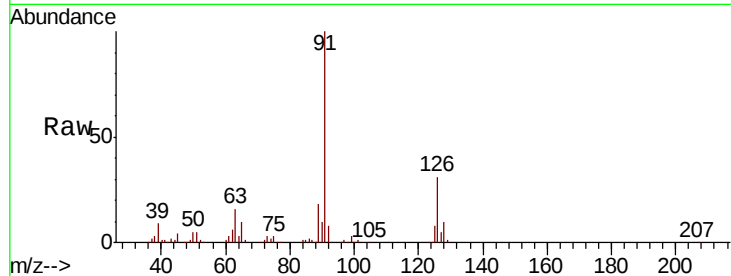
#79
 2-Chlorotoluene
 Concen: 47.630 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.7

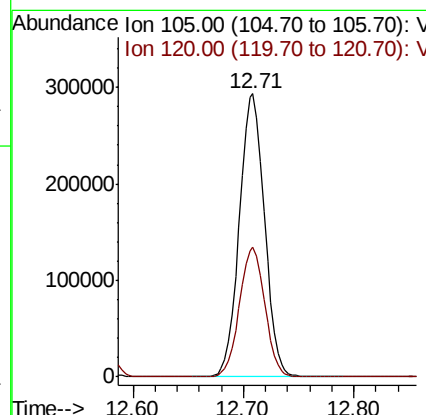
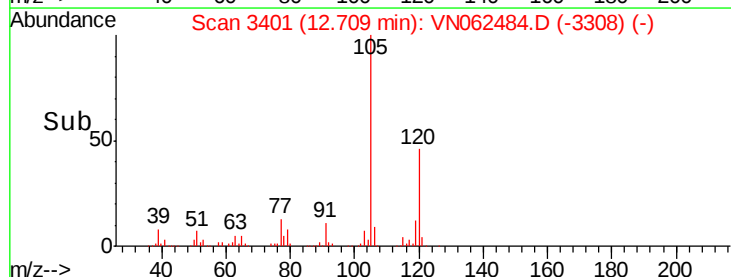
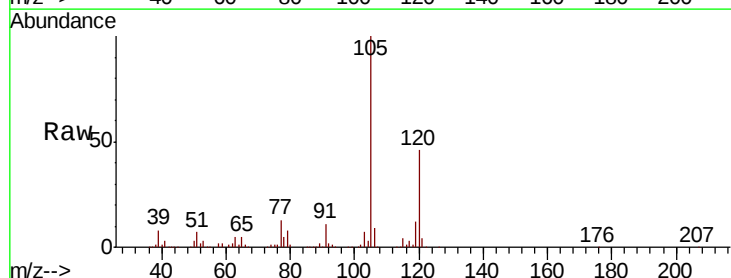
Manual Integrations
 APPROVED

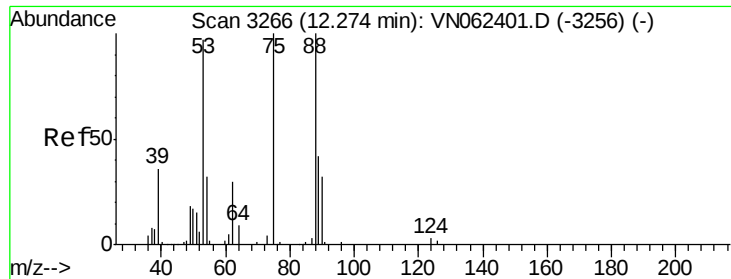
MMDadoda
 7/13/2020 11:19:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.148 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.525 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 68725

Ion Ratio Lower Upper

75 100

53 96.1 79.2 118.8

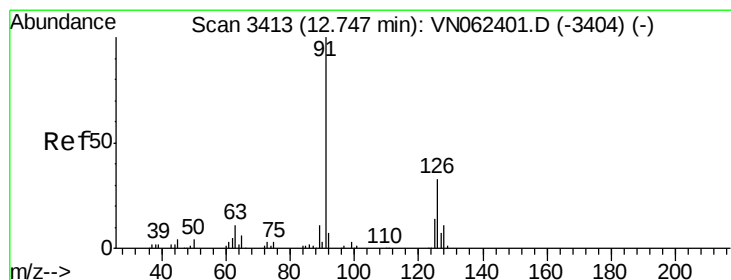
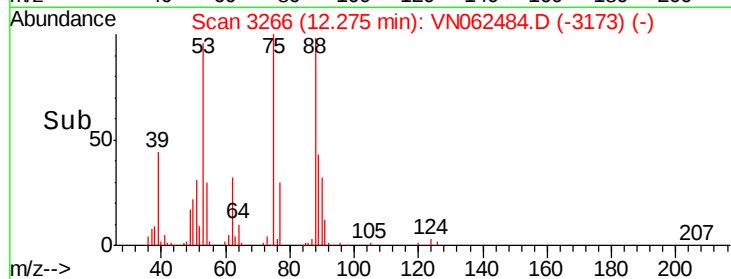
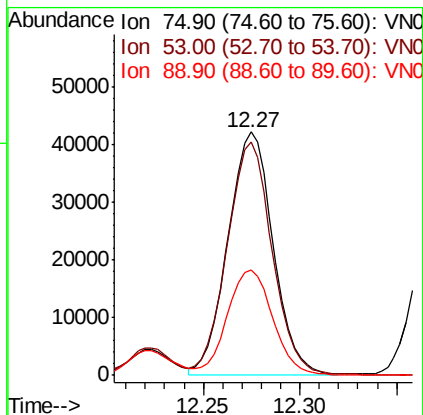
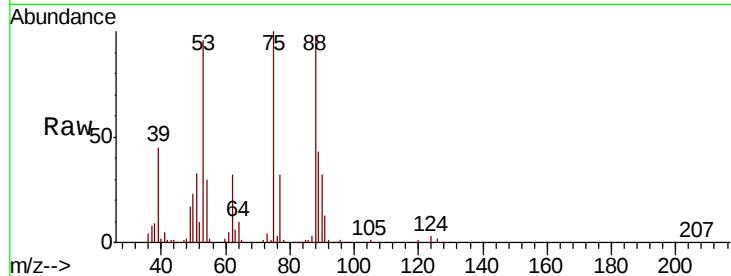
89 43.6 34.6 52.0

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#82

4-Chlorotoluene

Concen: 48.138 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062484.D

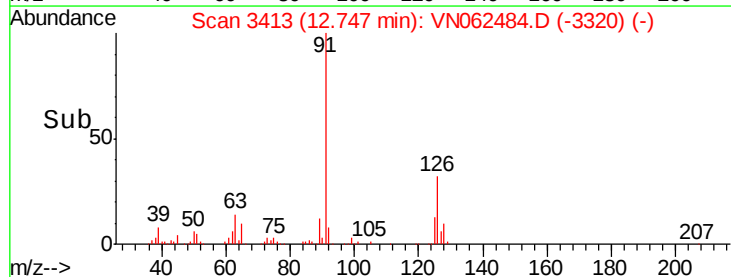
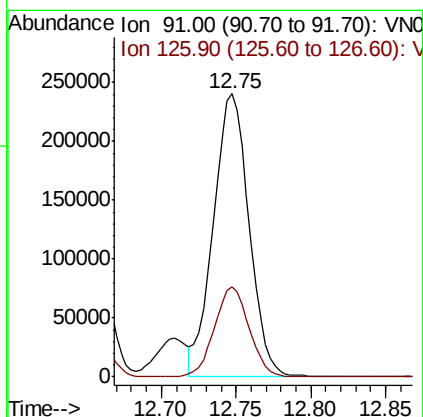
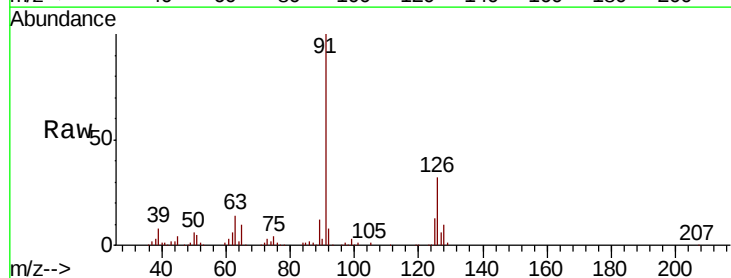
Acq: 10 Jul 2020 10:41

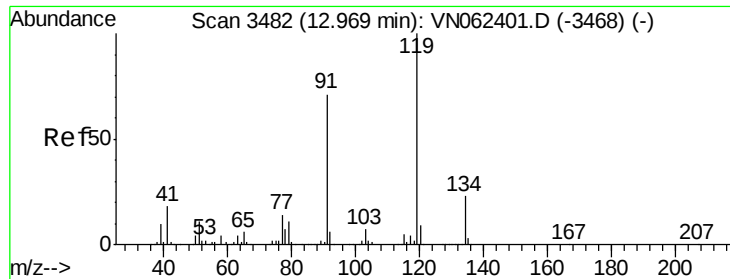
Tgt Ion: 91 Resp: 397815

Ion Ratio Lower Upper

91 100

126 31.0 15.2 45.6





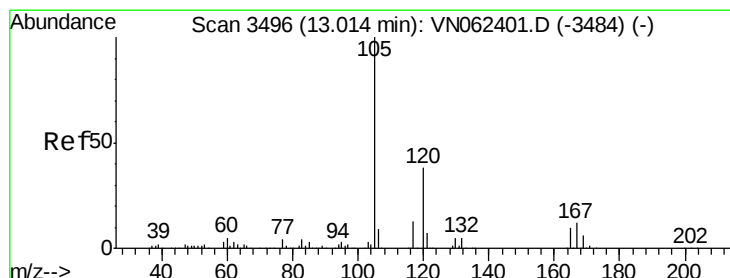
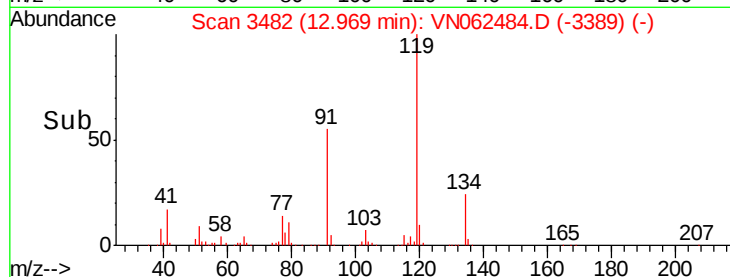
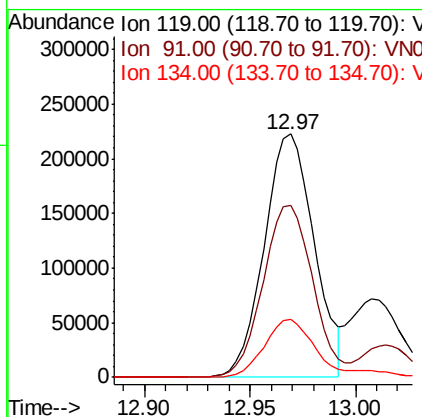
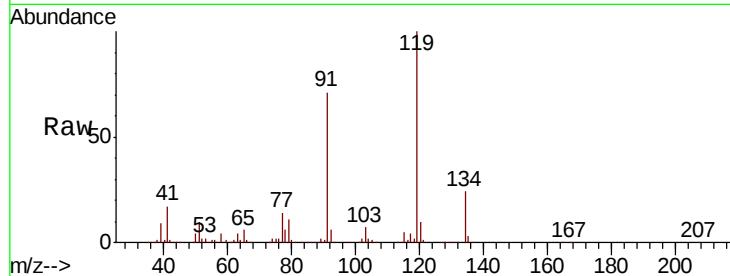
#83
tert-Butylbenzene
Concen: 46.047 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	34.8	104.3
134	23.8	11.7	35.0

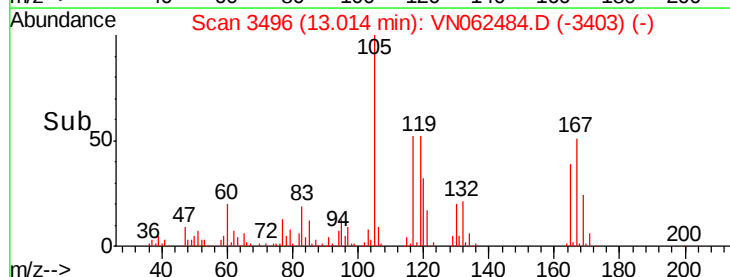
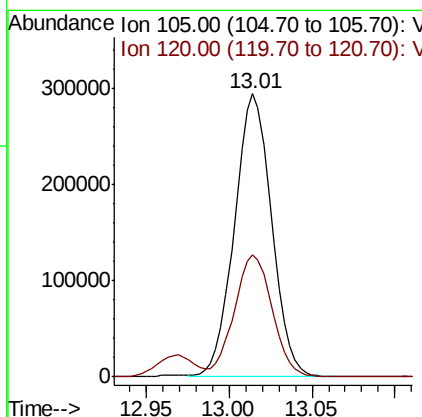
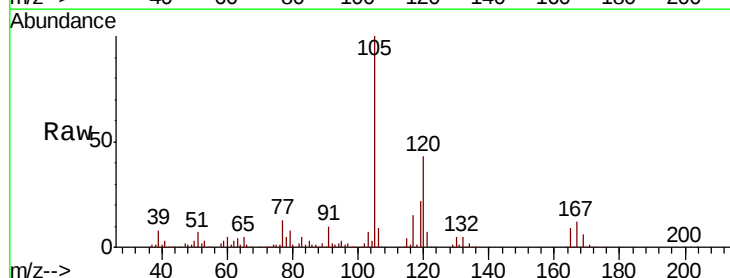
Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.816 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.6	64.8





#85

sec-Butylbenzene

Concen: 47.603 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 503867

Ion Ratio Lower Upper

105 100

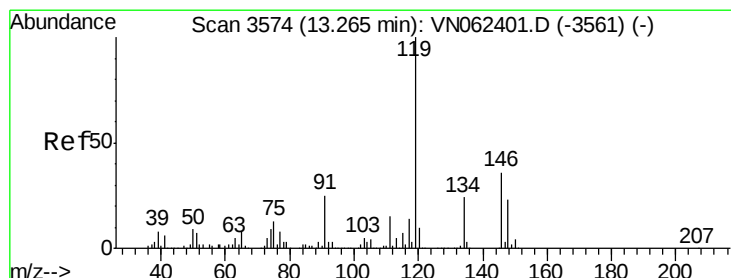
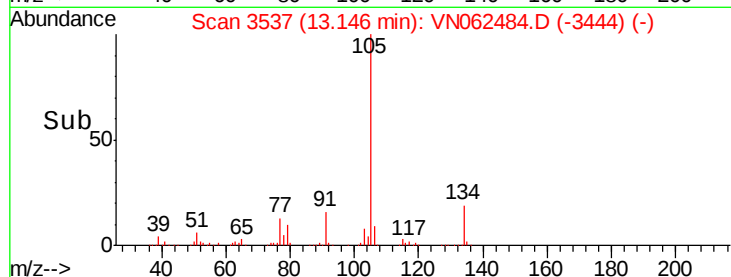
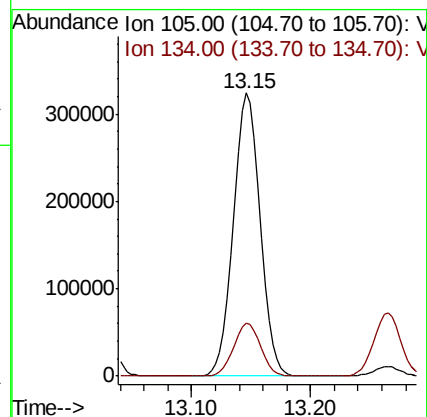
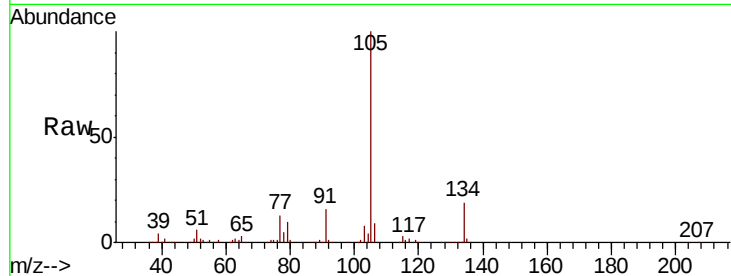
134 18.8 9.3 28.0

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:02 AM



#86

p-Isopropyltoluene

Concen: 49.248 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062484.D

Acq: 10 Jul 2020 10:41

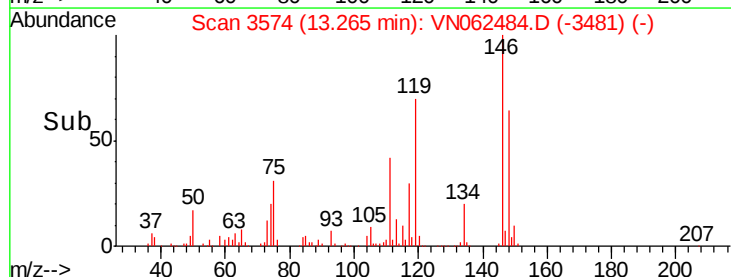
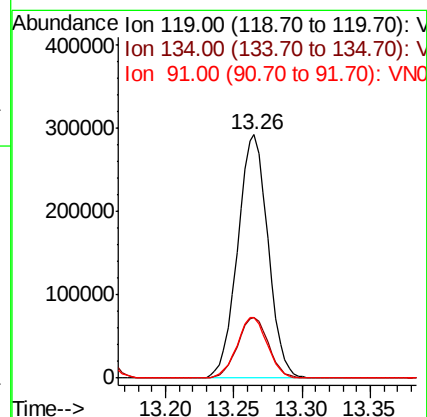
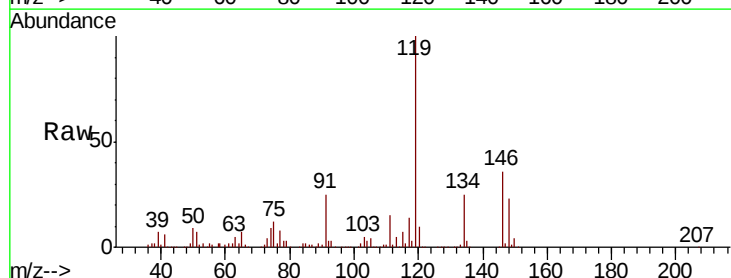
Tgt Ion:119 Resp: 449905

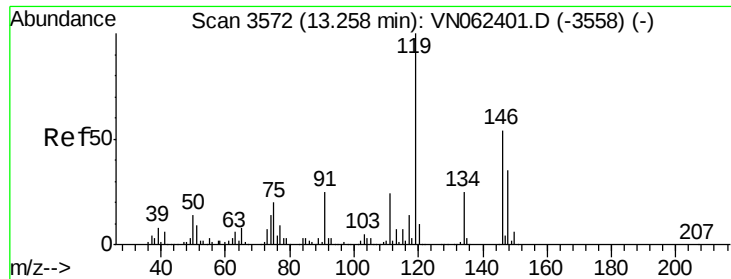
Ion Ratio Lower Upper

119 100

134 25.4 12.4 37.0

91 25.0 12.4 37.4





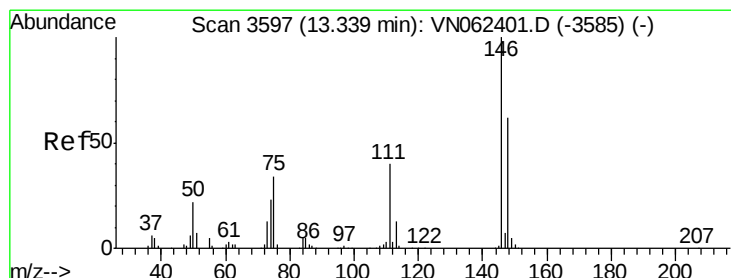
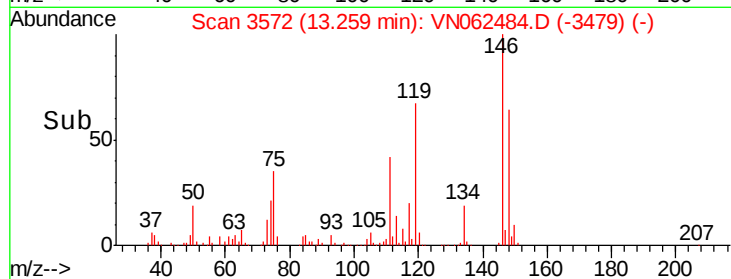
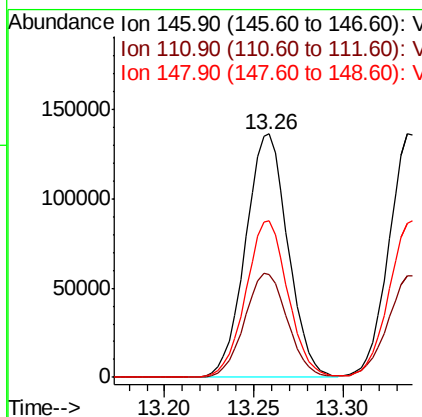
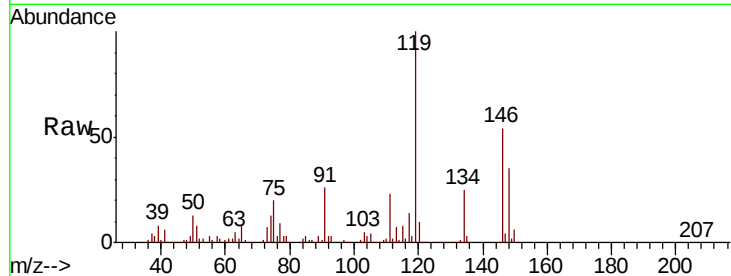
#87
 1,3-Dichlorobenzene
 Concen: 50.351 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.7	32.2	96.6

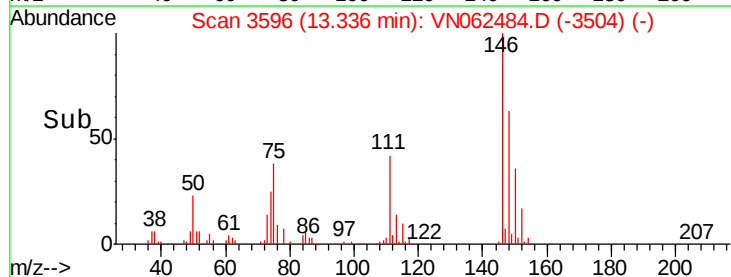
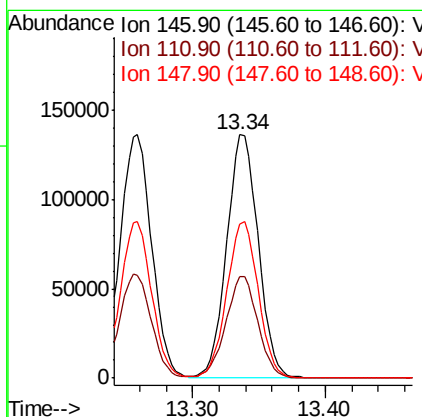
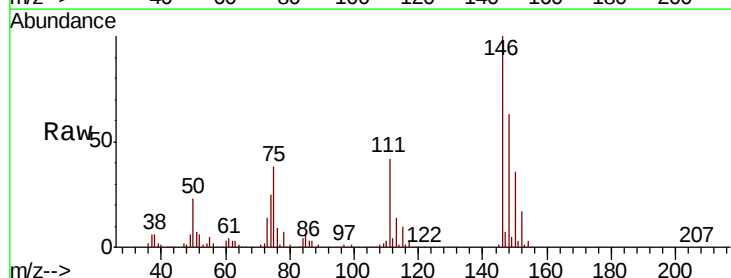
Manual Integrations
 APPROVED

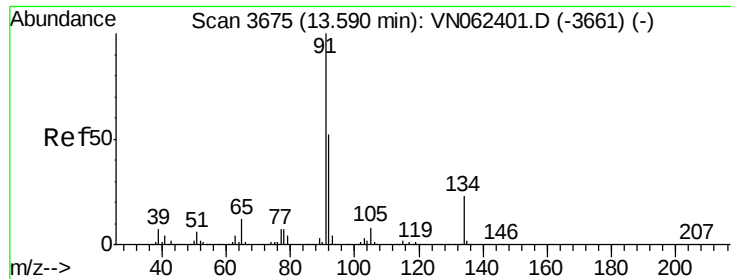
MMDadoda
 7/13/2020 11:19:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.604 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.1
148	64.4	31.4	94.2





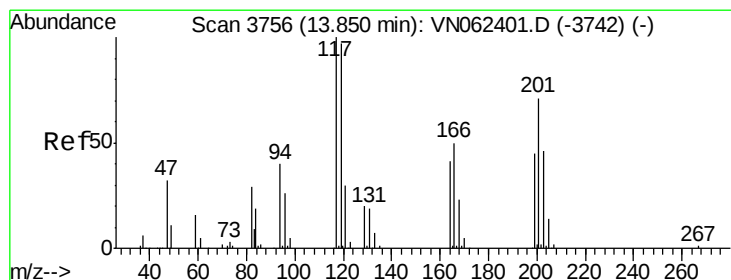
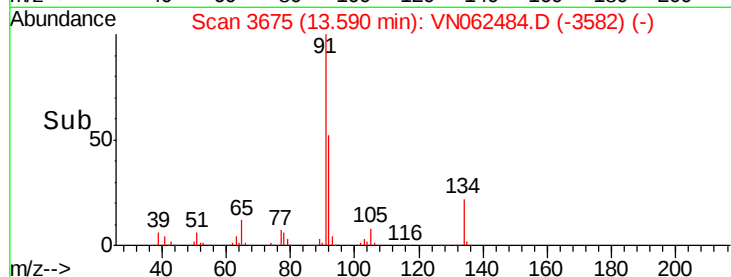
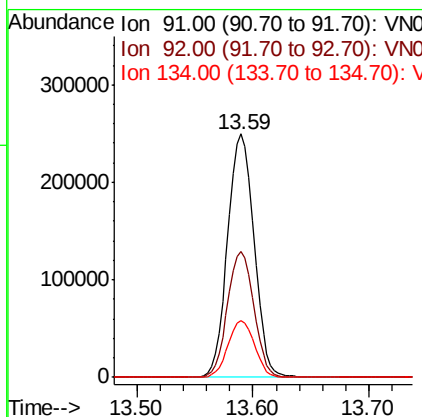
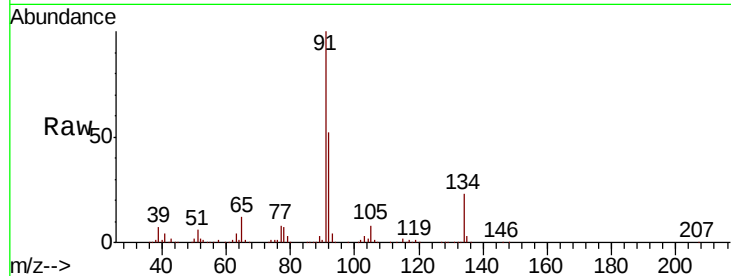
#89
n-Butylbenzene
Concen: 49.016 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	23.4	11.6	34.8

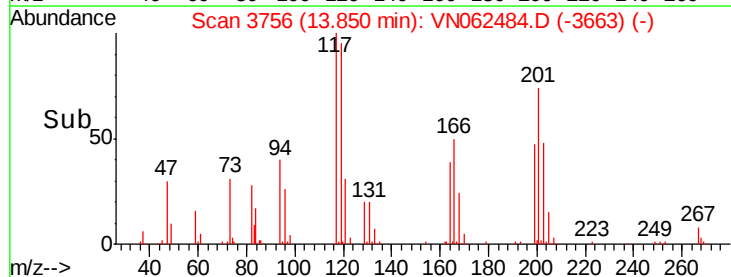
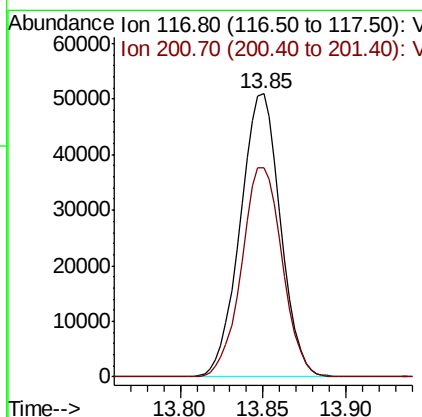
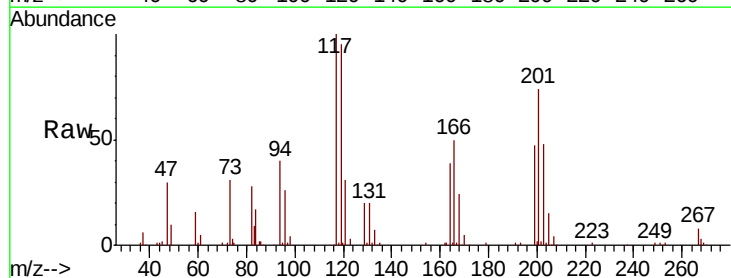
Manual Integrations
APPROVED

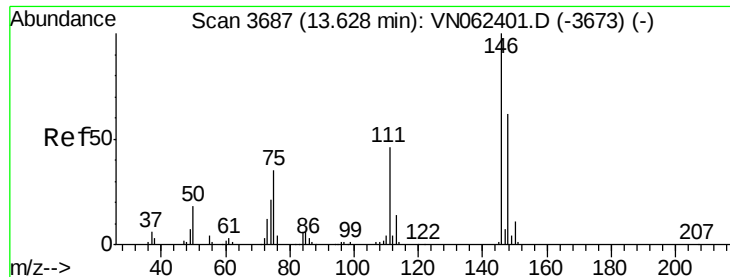
MMDadoda
7/13/2020 11:19:02 AM



#90
Hexachloroethane
Concen: 47.915 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	35.4	106.2





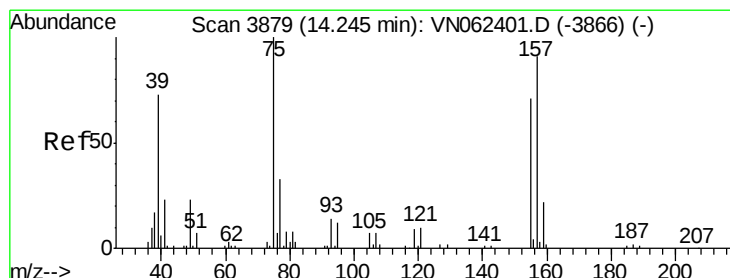
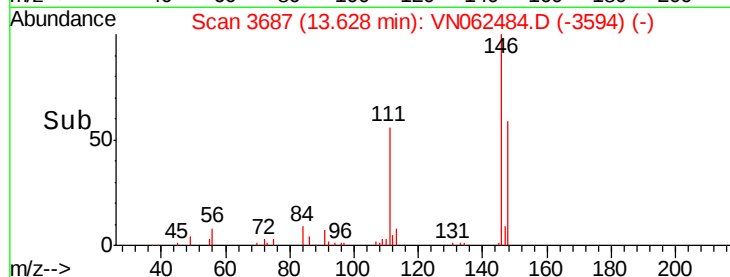
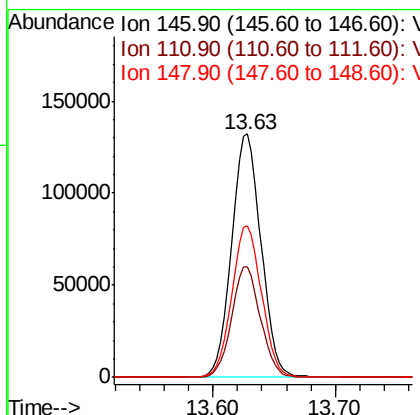
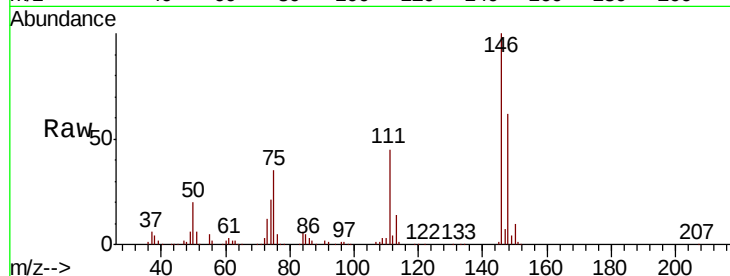
#91
 1,2-Dichlorobenzene
 Concen: 50.933 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.5	67.5
148	62.9	31.4	94.2

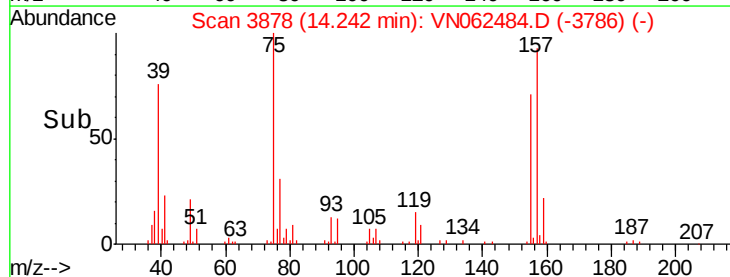
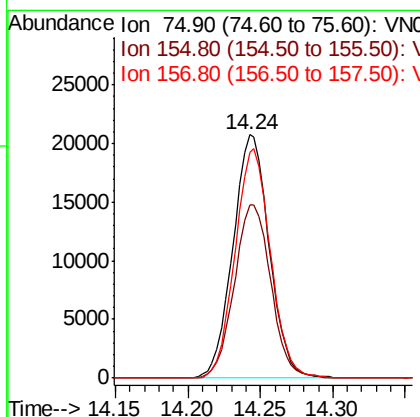
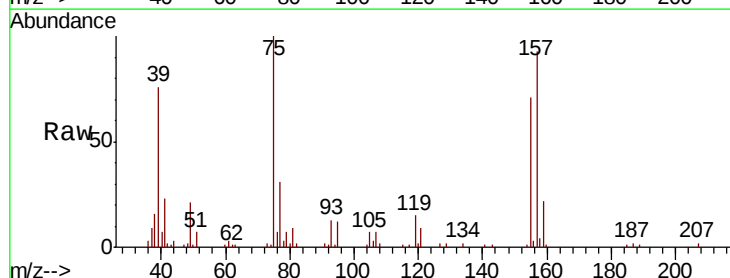
Manual Integrations
 APPROVED

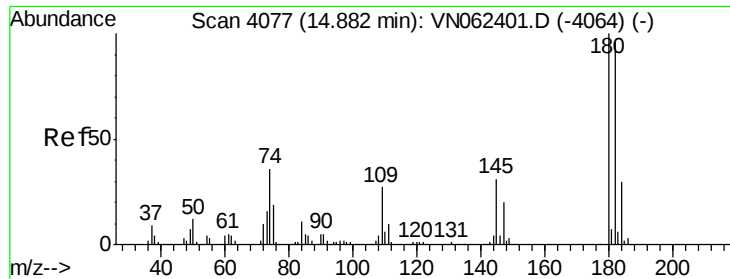
MMDadoda
 7/13/2020 11:19:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.135 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	35.2	105.6
157	92.0	45.8	137.3





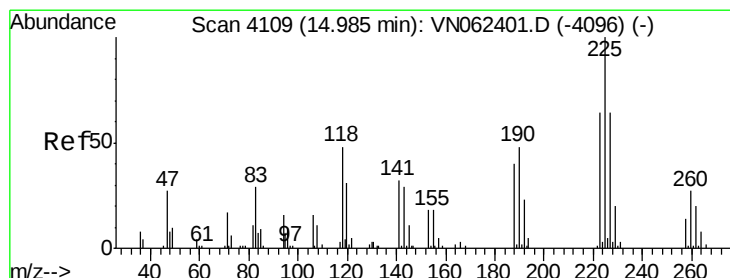
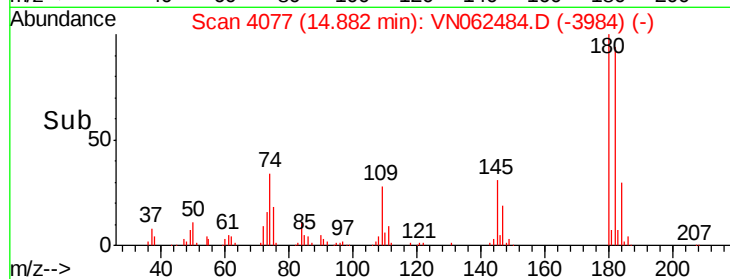
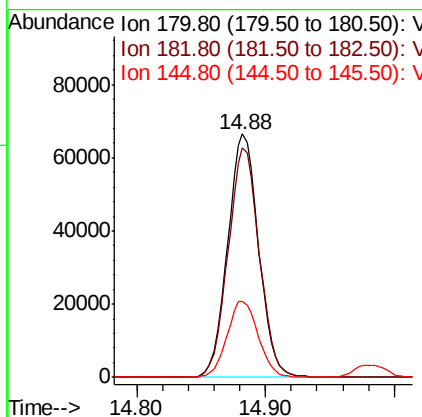
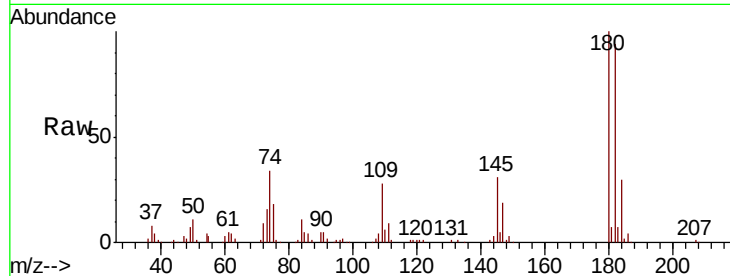
#93
 1,2,4-Trichlorobenzene
 Concen: 46.547 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110398		
182	95.4	48.4	145.2	
145	31.6	15.5	46.5	

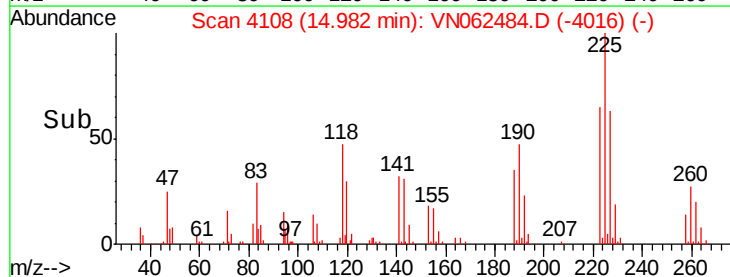
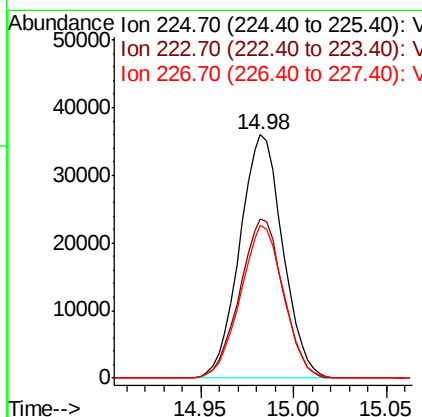
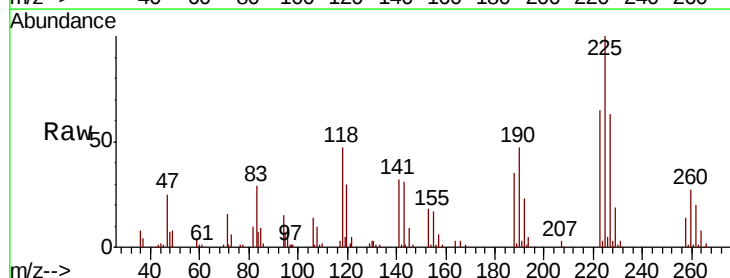
Manual Integrations
 APPROVED

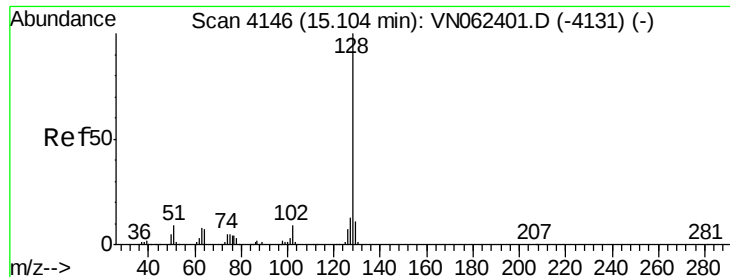
MMDadoda
 7/13/2020 11:19:02 AM



#94
 Hexachlorobutadiene
 Concen: 50.122 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062484.D
 Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57943		
223	65.9	32.3	96.8	
227	63.1	31.9	95.7	





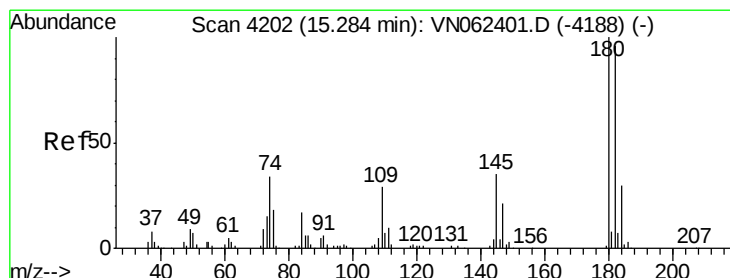
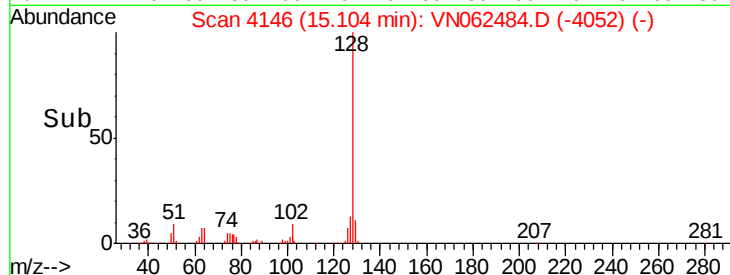
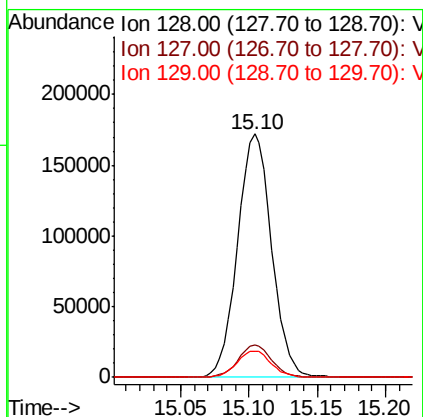
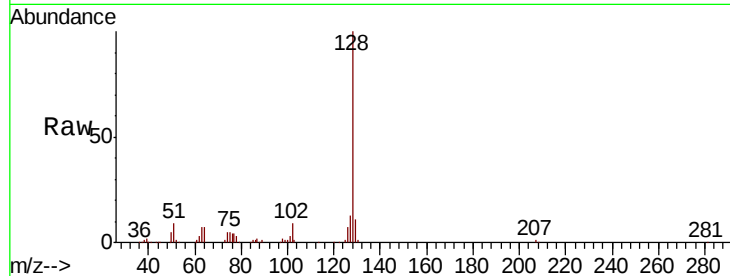
#95
Naphthalene
Concen: 52.392 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.800 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062484.D
Acq: 10 Jul 2020 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.4
145	33.0	17.0	50.9

