

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063024.D
 Acq On : 19 Aug 2020 19:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 10:09:59 AM

Quant Time: Aug 20 02:03:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	173590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	100534	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.55	113	85848	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.06	98	331947	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.38	95	120144	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	116062	51.169	ug/l	99
3) Chloromethane	2.03	50	128228	53.874	ug/l	99
4) Vinyl Chloride	2.16	62	126201	54.827	ug/l	98
5) Bromomethane	2.52	94	73229	53.599	ug/l	100
6) Chloroethane	2.66	64	74764	55.013	ug/l	99
7) Trichlorofluoromethane	2.98	101	153267	53.393	ug/l	99
8) Diethyl Ether	3.37	74	49818	49.058	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77090	49.839	ug/l	98
10) Methyl Iodide	3.91	142	105100	53.606	ug/l	98
11) Tert butyl alcohol	4.74	59	64924	222.787	ug/l	99
12) 1,1-Dichloroethene	3.69	96	71510	48.531	ug/l	98
13) Acrolein	3.57	56	11499	125.956	ug/l	99
14) Allyl chloride	4.28	41	124820	48.044	ug/l	98
15) Acrylonitrile	4.93	53	212057	247.577	ug/l	99
16) Acetone	3.78	43	162736	253.713	ug/l	97
17) Carbon Disulfide	4.01	76	190699	49.417	ug/l	100
18) Methyl Acetate	4.28	43	96057	46.982	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	267143	51.986	ug/l	99
20) Methylene Chloride	4.50	84	93544	51.614	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	78755	51.072	ug/l	96
22) Diisopropyl ether	5.90	45	309234	52.451	ug/l	99
23) Vinyl Acetate	5.84	43	971370	244.158	ug/l	99
24) 1,1-Dichloroethane	5.80	63	164899	50.052	ug/l	99
25) 2-Butanone	6.79	43	253674	232.247	ug/l	99
26) 2,2-Dichloropropane	6.78	77	120372	46.459	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	97108	50.242	ug/l	99
28) Bromochloromethane	7.15	49	82623	47.931	ug/l	99
29) Tetrahydrofuran	7.17	42	172592	244.831	ug/l	99
30) Chloroform	7.33	83	165870	49.991	ug/l	99
31) Cyclohexane	7.62	56	154601	50.985	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	137880	50.901	ug/l	96
36) 1,1-Dichloropropene	7.75	75	113818	49.449	ug/l	99
37) Ethyl Acetate	6.88	43	99823	46.285	ug/l	98
38) Carbon Tetrachloride	7.73	117	117193	50.433	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063024.D
 Acq On : 19 Aug 2020 19:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 10:09:59 AM

Quant Time: Aug 20 02:03:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	149662	48.219	ug/l	97
40) Benzene	8.00	78	369284	50.585	ug/l	100
41) Methacrylonitrile	7.12	41	47438	46.165	ug/l	93
42) 1,2-Dichloroethane	8.09	62	123293	50.299	ug/l	99
43) Isopropyl Acetate	8.13	43	166286	46.539	ug/l #	92
44) Trichloroethene	8.80	130	91500	50.389	ug/l	96
45) 1,2-Dichloropropane	9.09	63	105924	50.197	ug/l	98
46) Dibromomethane	9.18	93	62601	51.352	ug/l	98
47) Bromodichloromethane	9.37	83	134767	50.475	ug/l	99
48) Methyl methacrylate	9.17	41	83158	49.189	ug/l	98
49) 1,4-Dioxane	9.17	88	34657	932.637	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	546483	241.970	ug/l	99
52) Toluene	10.12	92	230217	52.277	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	141582	51.278	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	155081	51.201	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	95865	50.911	ug/l	99
56) Ethyl methacrylate	10.40	69	134097	46.245	ug/l	100
57) 1,3-Dichloropropane	10.68	76	157337	50.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	149056	212.729	ug/l	100
59) 2-Hexanone	10.72	43	385947	244.993	ug/l	100
60) Dibromochloromethane	10.87	129	106060	50.896	ug/l	99
61) 1,2-Dibromoethane	10.98	107	95132	52.579	ug/l	99
64) Tetrachloroethene	10.60	164	82681	50.417	ug/l	97
65) Chlorobenzene	11.41	112	254961	50.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	100153	51.390	ug/l	100
67) Ethyl Benzene	11.48	91	447470	52.853	ug/l	100
68) m/p-Xylenes	11.60	106	344741	109.558	ug/l	99
69) o-Xylene	11.92	106	162639	53.825	ug/l	99
70) Styrene	11.94	104	294678	49.176	ug/l	100
71) Bromoform	12.10	173	80643	51.986	ug/l #	100
73) Isopropylbenzene	12.23	105	450335	51.670	ug/l	100
74) N-amyl acetate	12.05	43	162565	52.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	141706	50.398	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	118639m	47.956	ug/l	
77) Bromobenzene	12.50	156	118058	49.251	ug/l	99
78) n-propylbenzene	12.57	91	530805	53.431	ug/l	100
79) 2-Chlorotoluene	12.65	91	316054	50.580	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	390418	54.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	44331	49.215	ug/l	97
82) 4-Chlorotoluene	12.75	91	331693	52.131	ug/l	99
83) tert-Butylbenzene	12.97	119	330090	53.082	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	381815	54.397	ug/l	100
85) sec-Butylbenzene	13.15	105	444777	52.923	ug/l	100
86) p-Isopropyltoluene	13.27	119	392840	53.646	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	210883	51.191	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	209736	50.161	ug/l	100
89) n-Butylbenzene	13.59	91	310211	44.990	ug/l	100
90) Hexachloroethane	13.85	117	77300	49.664	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	204813	51.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	22856	52.071	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
Data File : VN063024.D
Acq On : 19 Aug 2020 19:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM

Quant Time: Aug 20 02:03:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	95177	43.772	ug/l	98
94) Hexachlorobutadiene	14.98	225	71035	48.308	ug/l	99
95) Naphthalene	15.10	128	208017	41.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	94819	44.338	ug/l	98

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

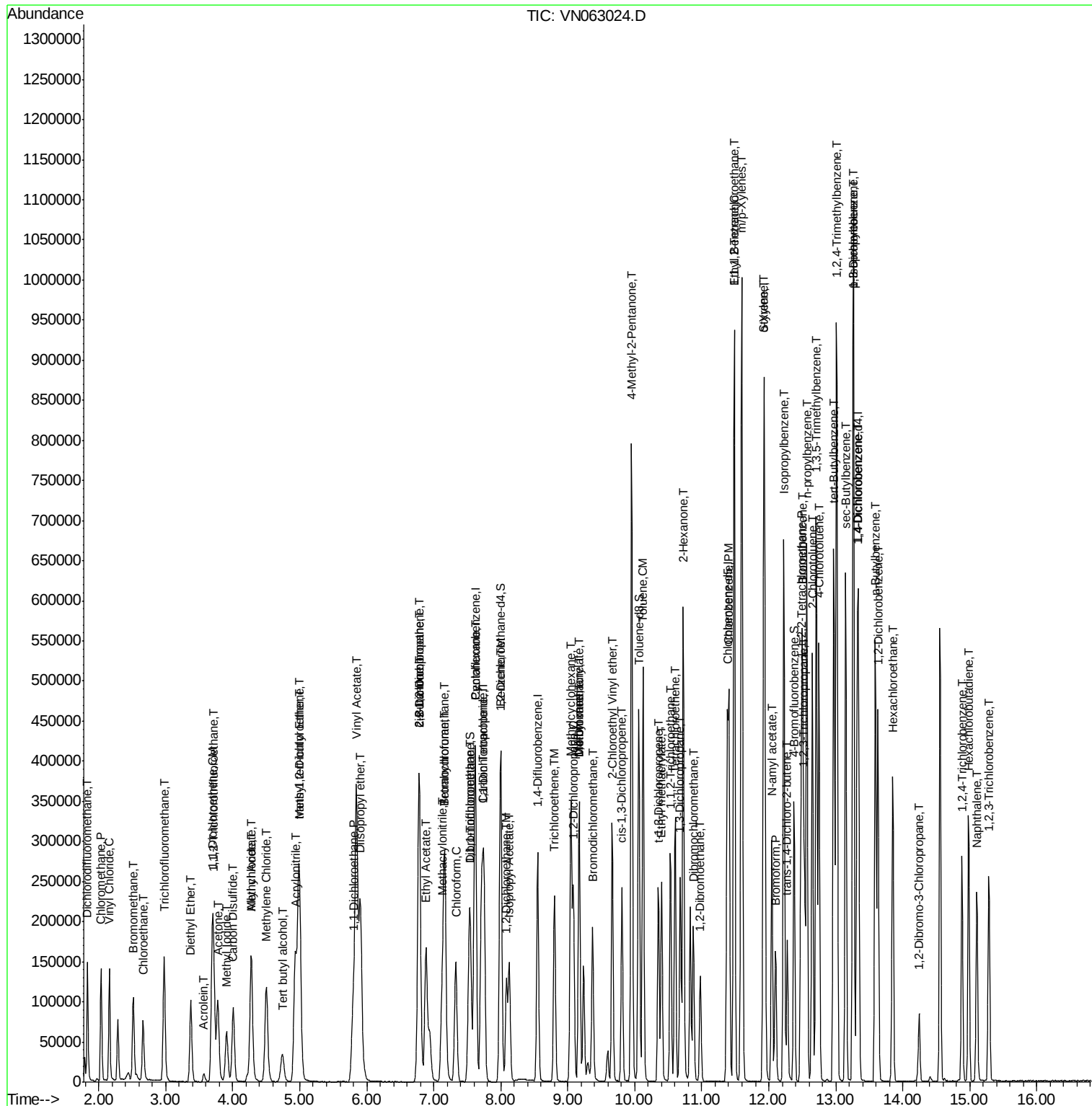
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081920\
Data File : VN063024.D
Acq On : 19 Aug 2020 19:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

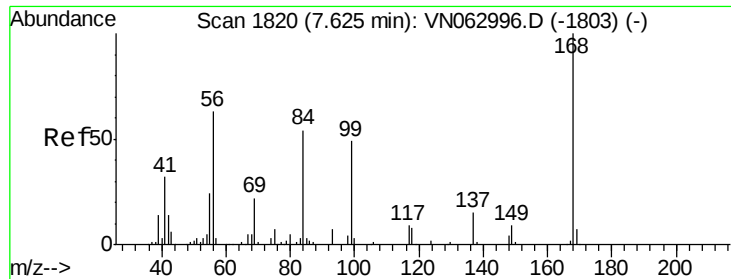
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM

Quant Time: Aug 20 02:03:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 173590

Ion Ratio Lower Upper

168 100

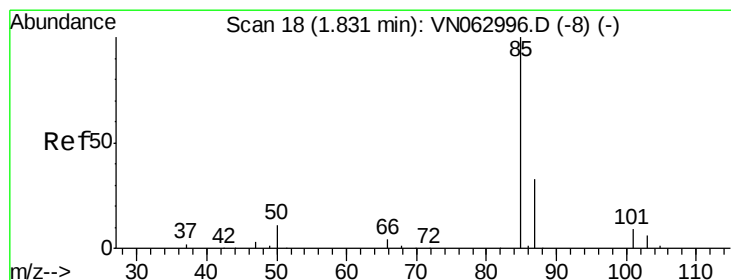
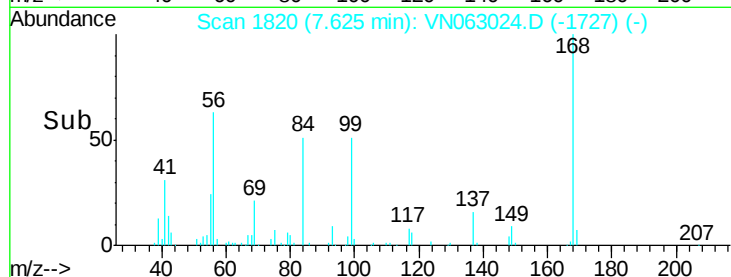
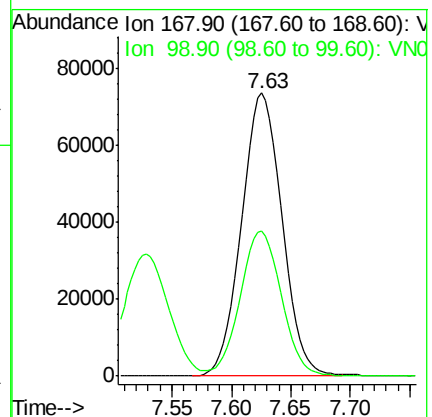
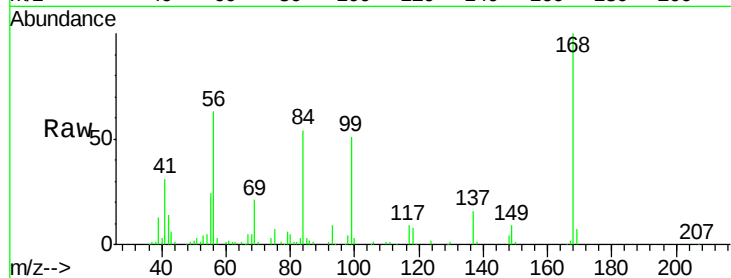
99 50.8 42.0 63.0

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



#2

Dichlorodifluoromethane

Concen: 51.169 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063024.D

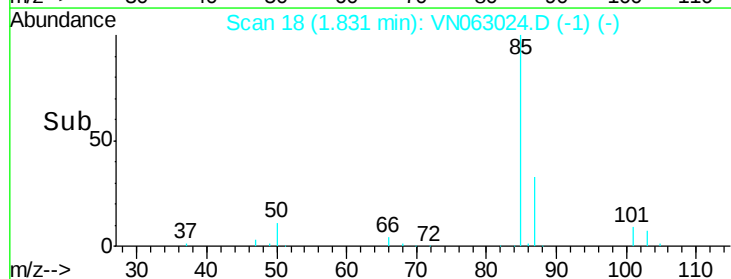
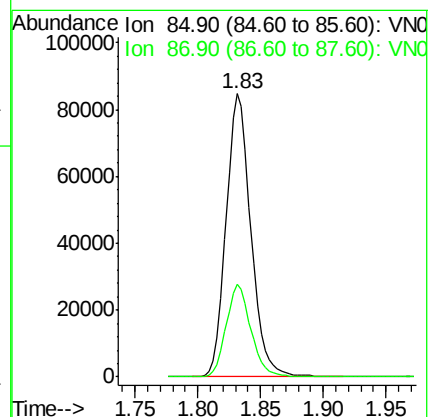
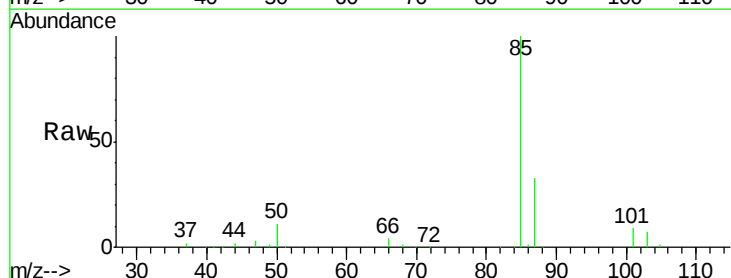
Acq: 19 Aug 2020 19:59

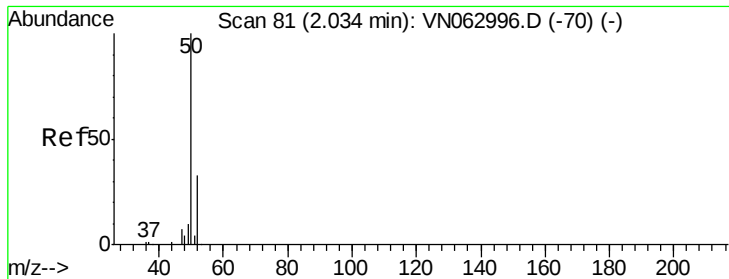
Tgt Ion: 85 Resp: 116062

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4





#3

Chloromethane

Concen: 53.874 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 128228

Ion Ratio Lower Upper

50 100

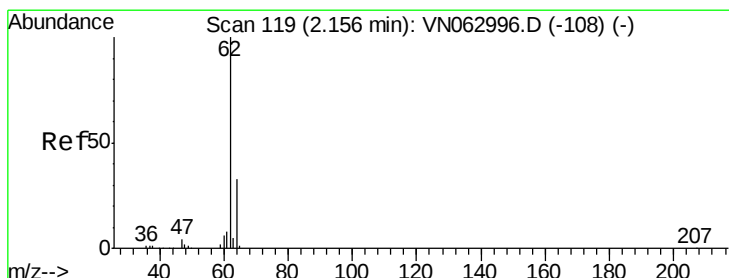
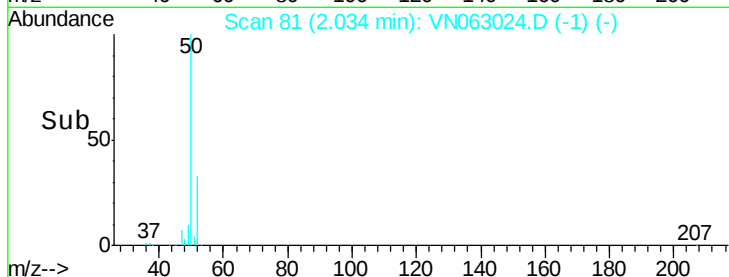
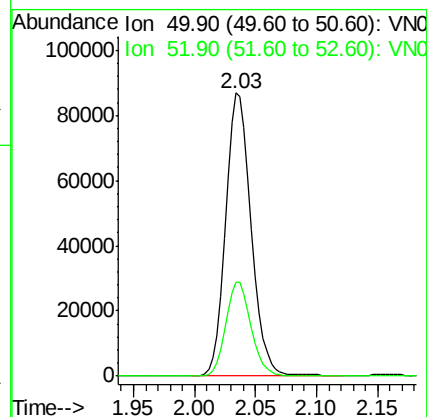
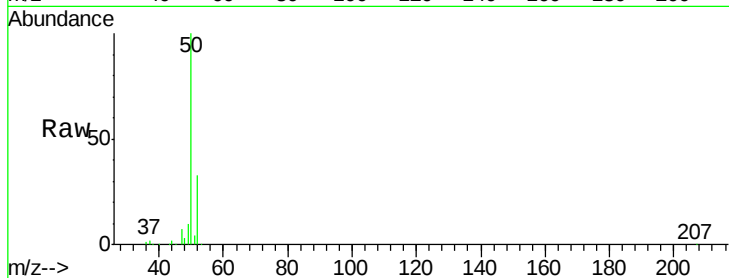
52 33.3 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



#4

Vinyl Chloride

Concen: 54.827 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063024.D

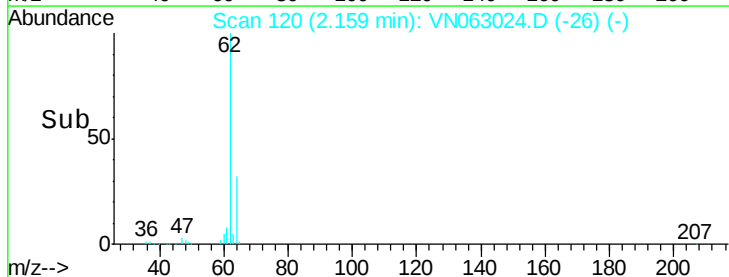
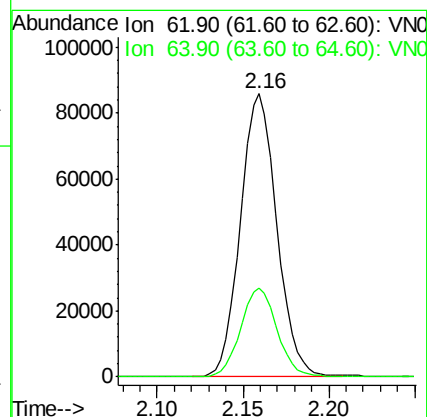
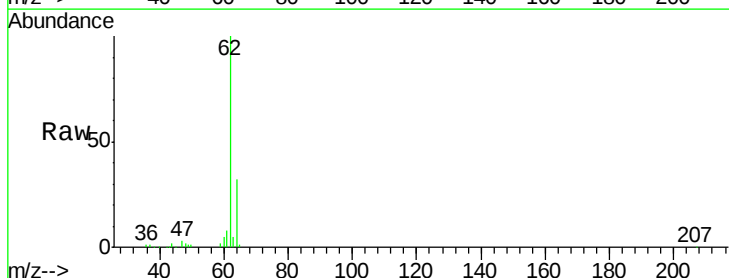
Acq: 19 Aug 2020 19:59

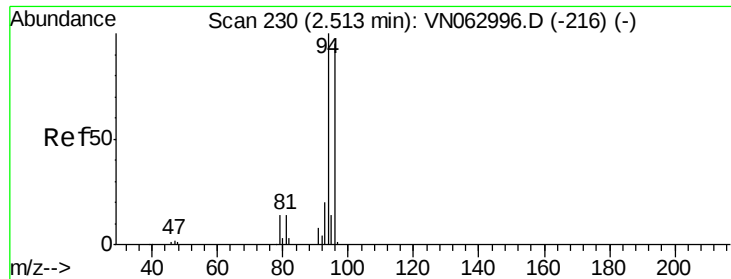
Tgt Ion: 62 Resp: 126201

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 53.599 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73229

Ion Ratio Lower Upper

94 100

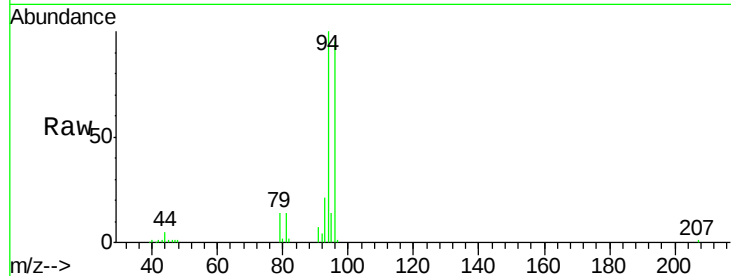
96 94.6 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VN062996.D (-216) (-)

Ion 95.90 (95.60 to 96.60): VN062996.D (-216) (-)

2.52

40000

30000

20000

10000

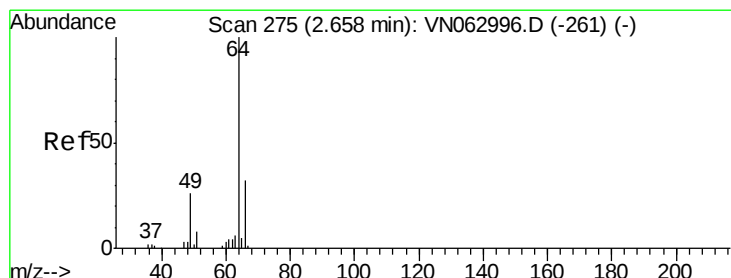
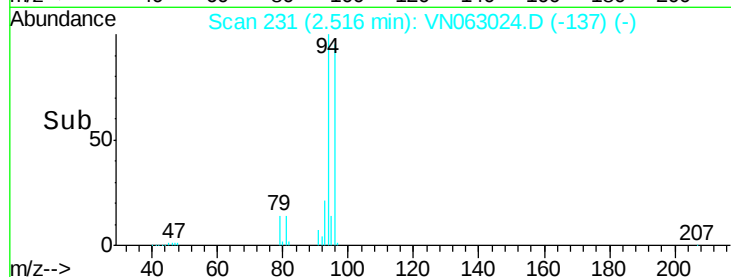
0

Time-->

2.40

2.50

2.60



#6

Chloroethane

Concen: 55.013 ug/l

RT: 2.66 min Scan# 276

Delta R.T. 0.00 min

Lab File: VN063024.D

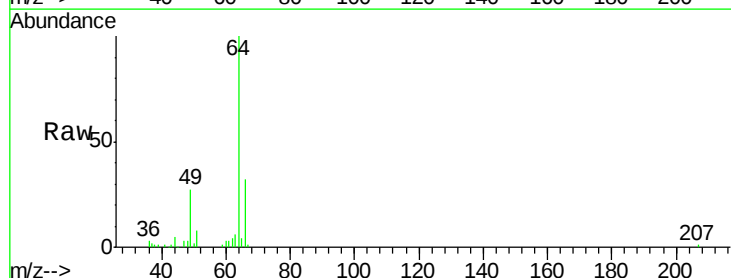
Acq: 19 Aug 2020 19:59

Tgt Ion: 64 Resp: 74764

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN062996.D (-261) (-)

Ion 65.90 (65.60 to 66.60): VN062996.D (-261) (-)

2.66

40000

30000

20000

10000

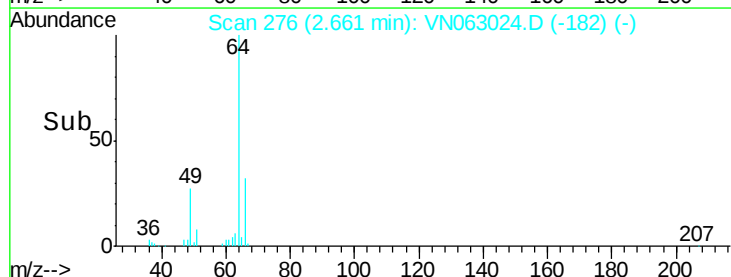
0

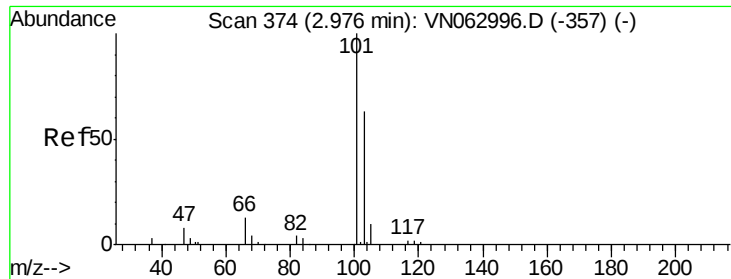
Time-->

2.60

2.70

2.80





#7

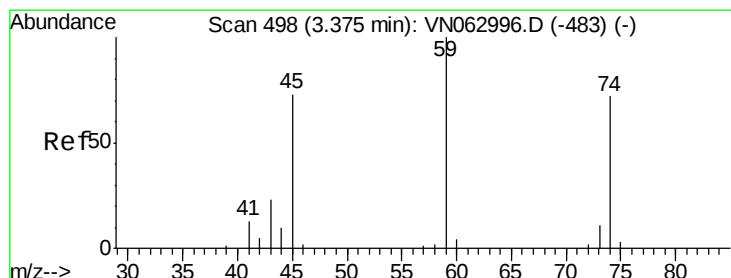
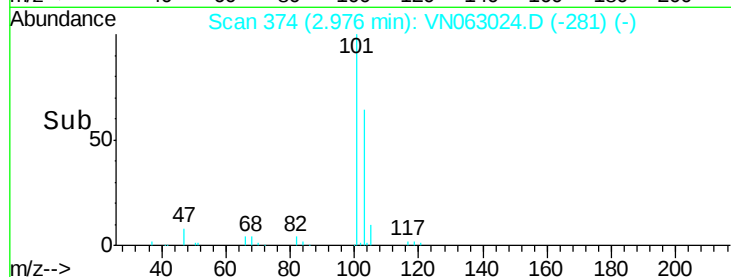
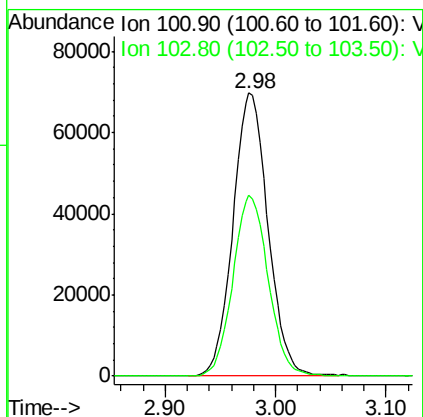
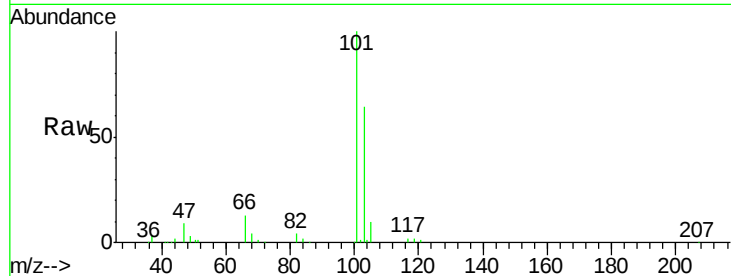
Trichlorofluoromethane
 Concen: 53.393 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.5	75.7

Manual Integrations
 APPROVED

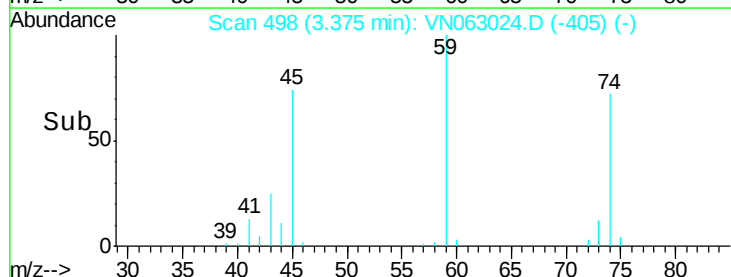
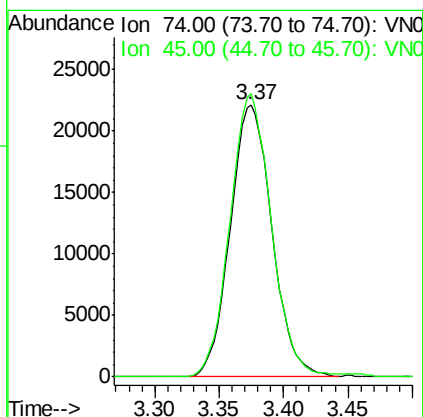
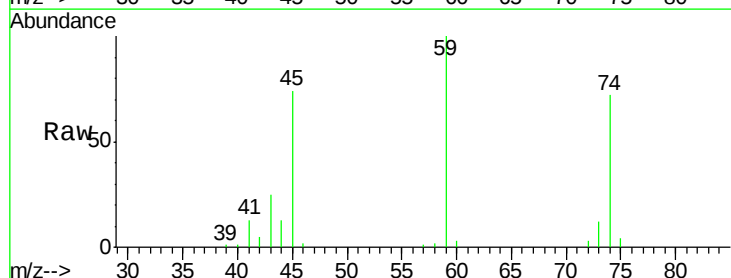
MMDadoda
 8/20/2020 10:09:59 AM

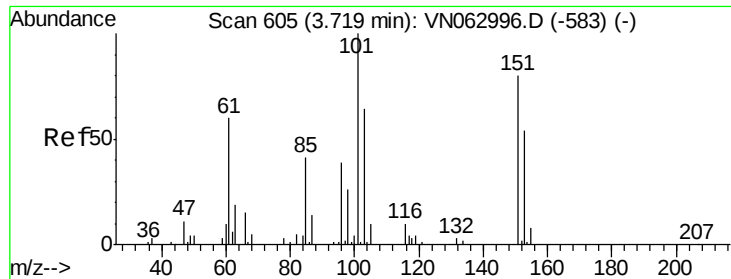


#8

Diethyl Ether
 Concen: 49.058 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.839 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

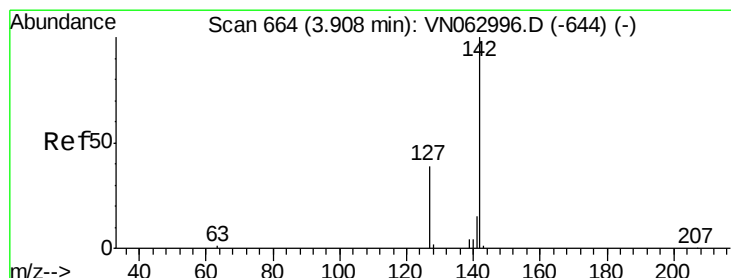
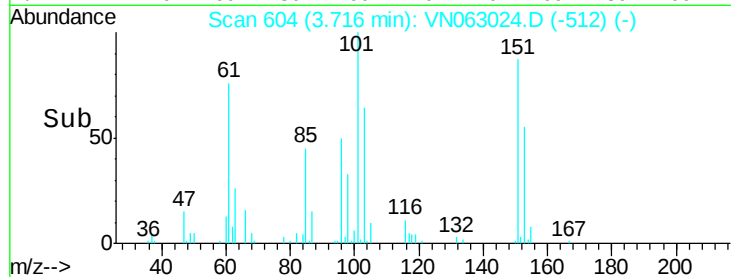
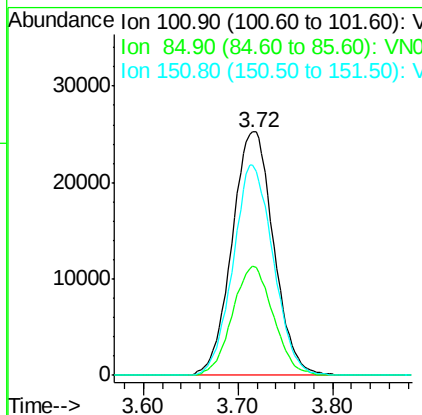
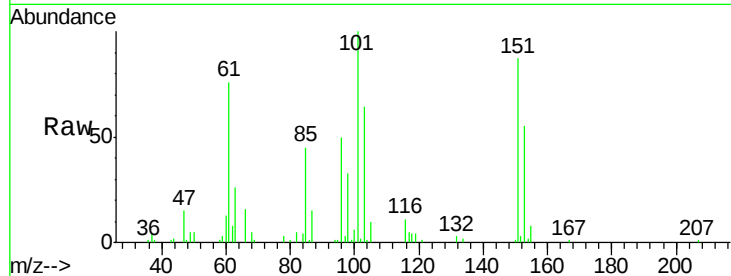
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	77090
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.0	51.0
151	83.7	65.8	98.8

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM



#10

Methyl Iodide

Concen: 53.606 ug/l

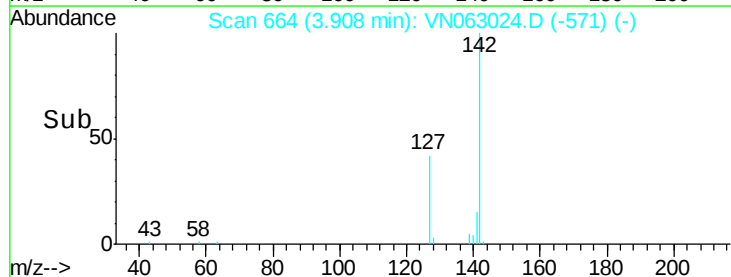
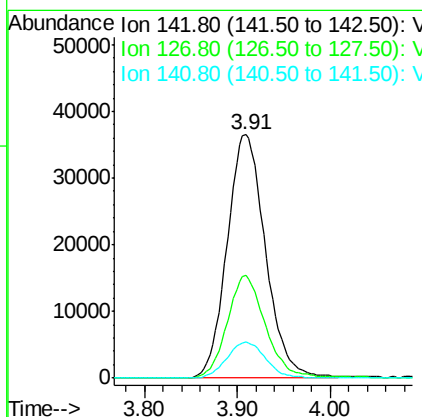
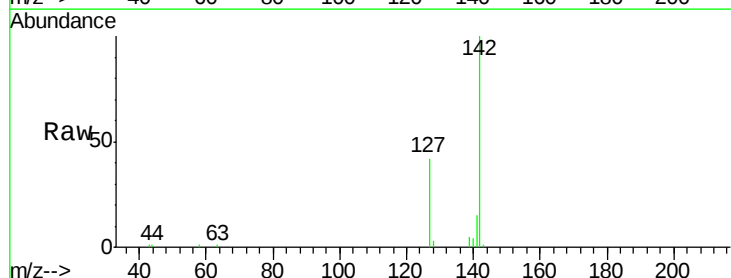
RT: 3.91 min Scan# 664

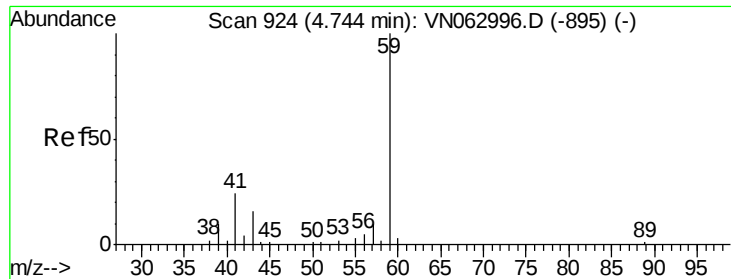
Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Tgt Ion:	142	Resp:	105100
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.2	48.4
141	14.8	11.3	16.9





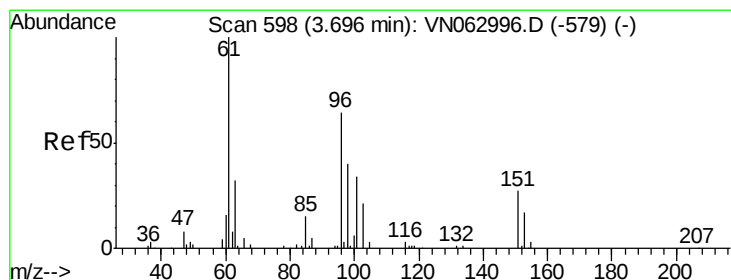
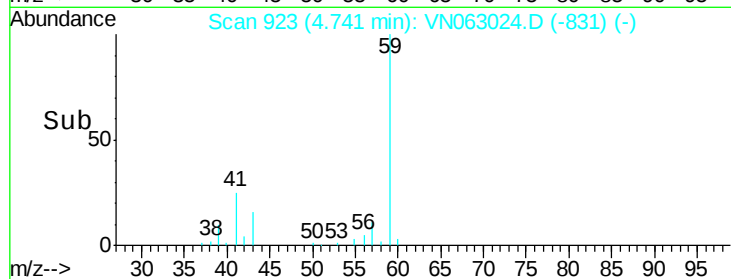
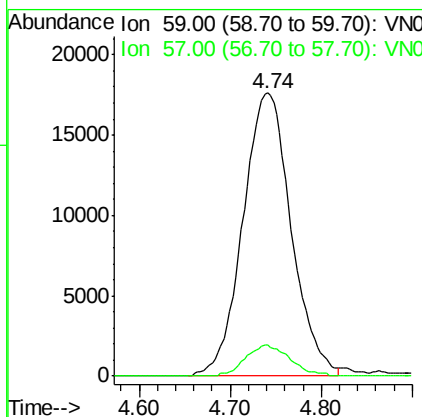
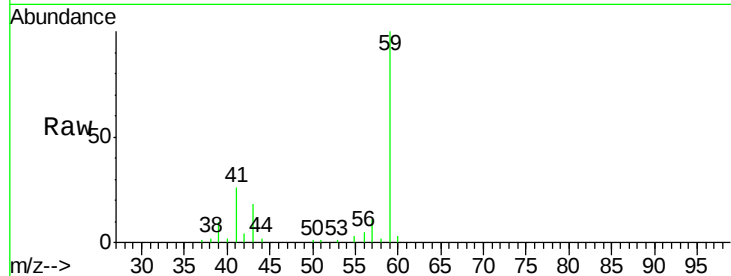
#11
Tert butyl alcohol
Concen: 222.787 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

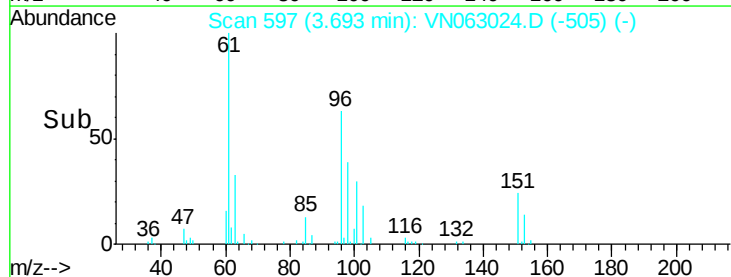
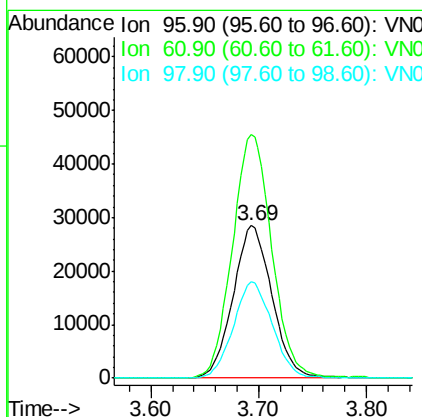
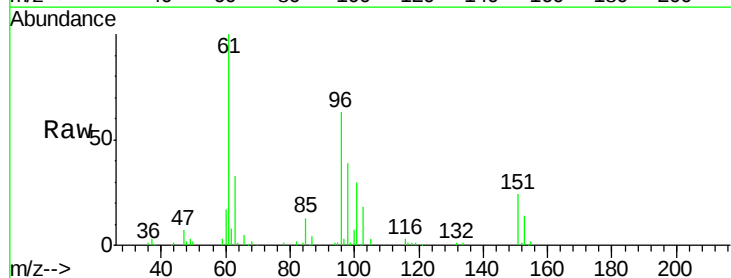
Manual Integrations
APPROVED

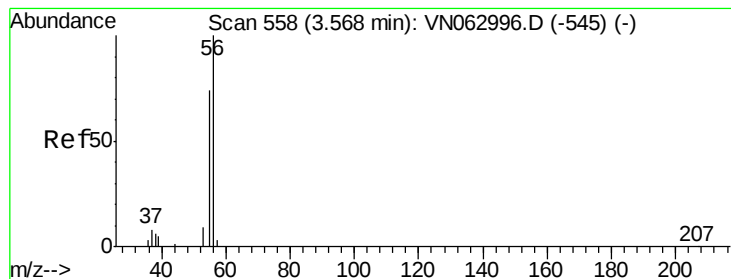
MMDadoda
8/20/2020 10:09:59 AM



#12
1,1-Dichloroethene
Concen: 48.531 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	125.5	188.3
98	62.8	50.4	75.6





#13

Acrolein

Concen: 125.956 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 11499

Ion Ratio Lower Upper

56 100

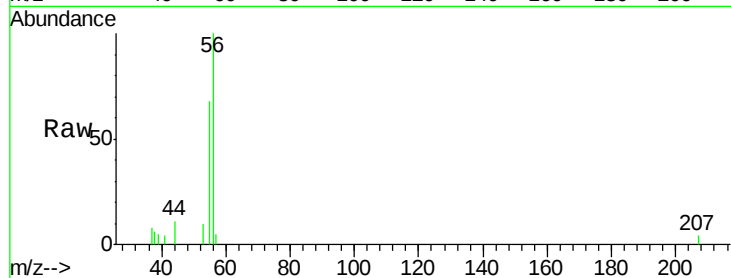
55 72.2 58.4 87.6

Manual Integrations

APPROVED

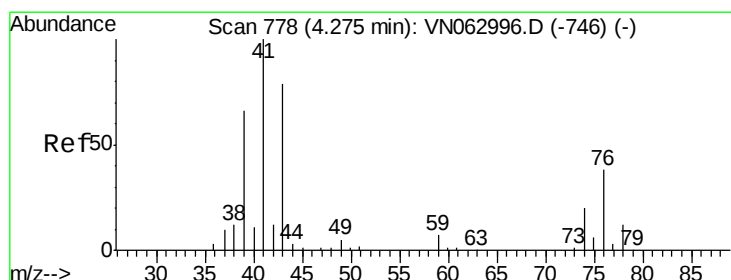
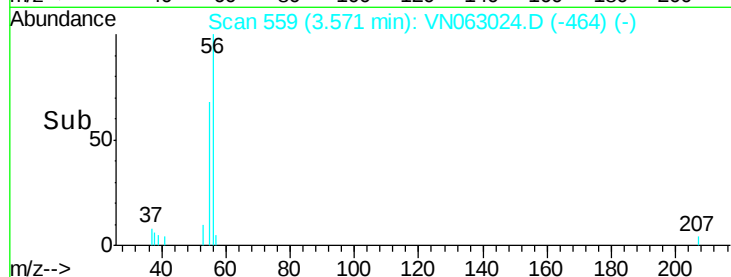
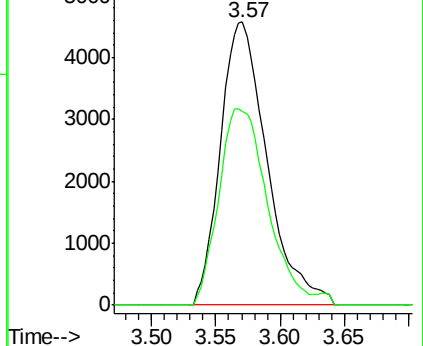
MMDadoda

8/20/2020 10:09:59 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.044 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

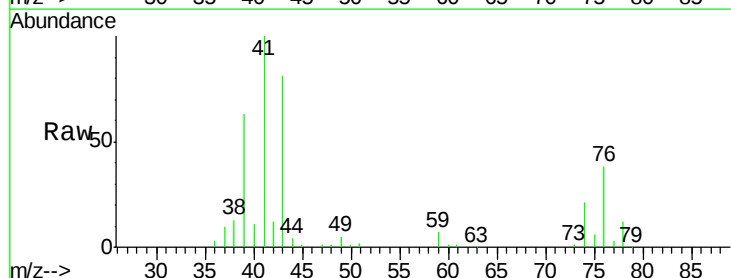
Tgt Ion: 41 Resp: 124820

Ion Ratio Lower Upper

41 100

39 57.9 47.9 71.9

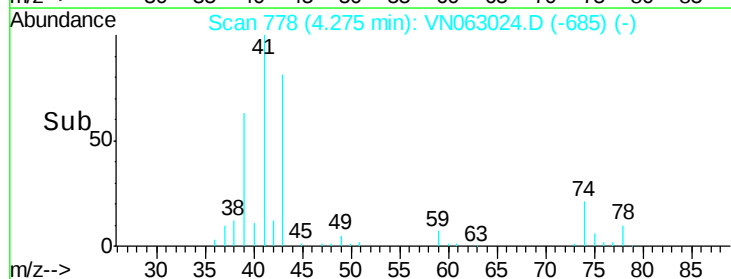
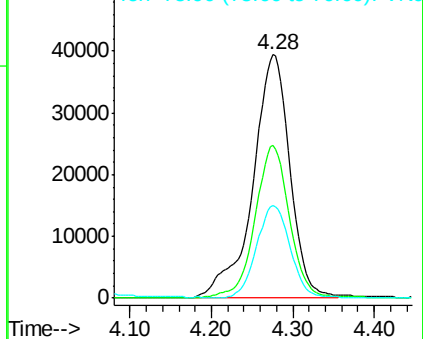
76 34.6 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.577 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

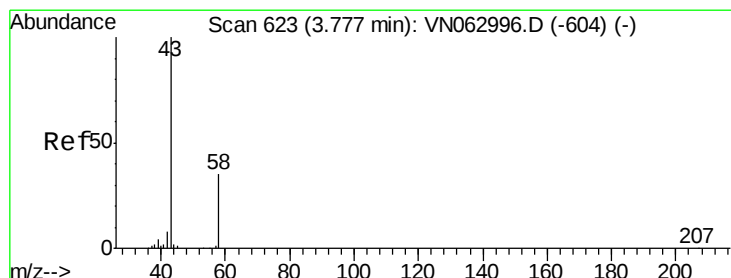
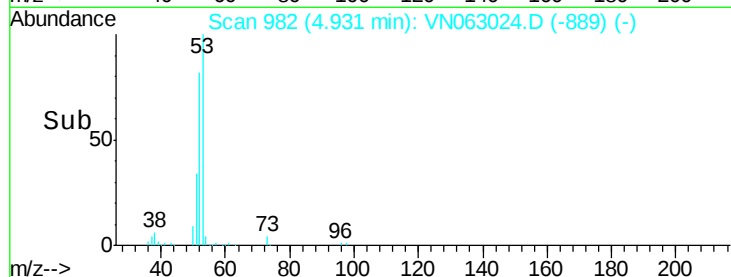
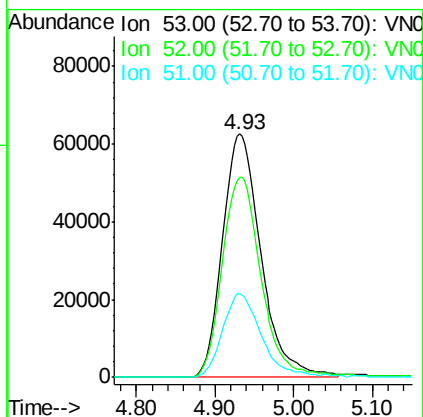
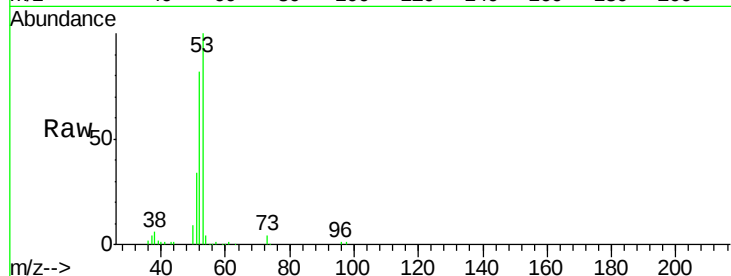
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	212057
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.6	98.4
51	34.6	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM



#16

Acetone

Concen: 253.713 ug/l

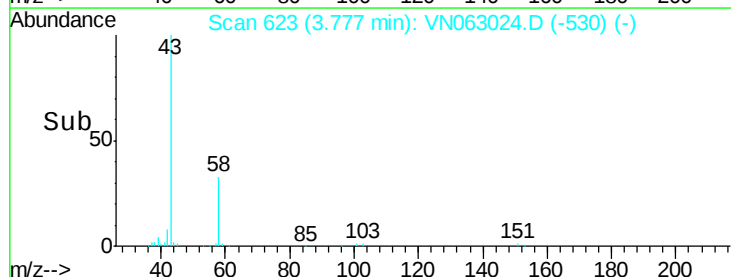
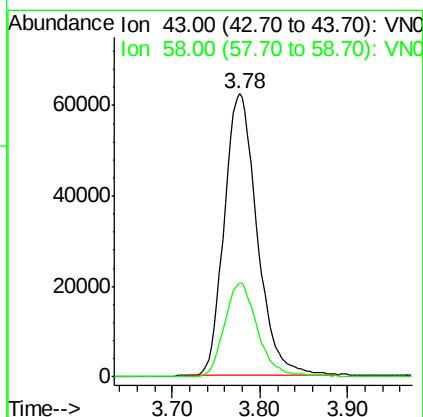
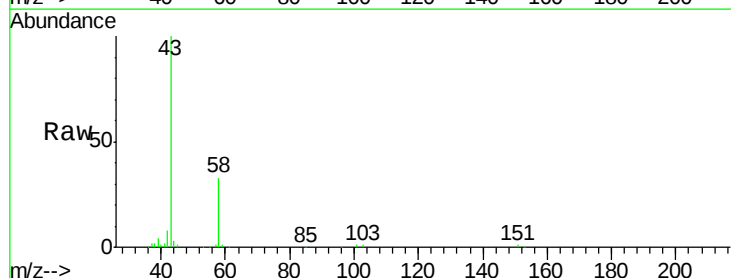
RT: 3.78 min Scan# 623

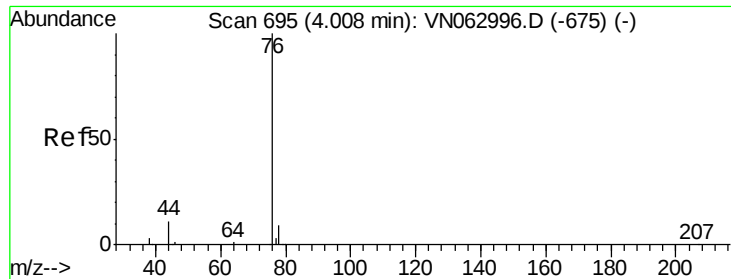
Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Tgt Ion	43	Resp	162736
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.8	41.6





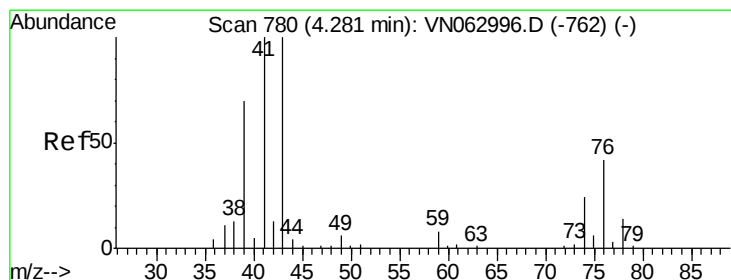
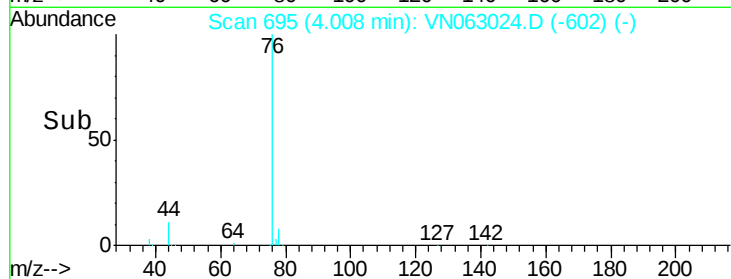
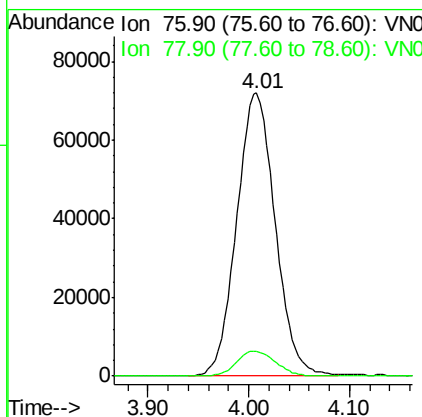
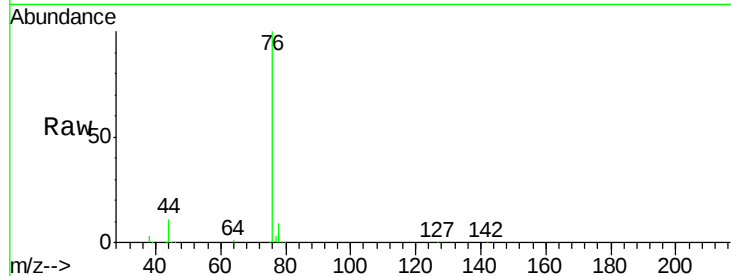
#17
Carbon Disulfide
Concen: 49.417 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

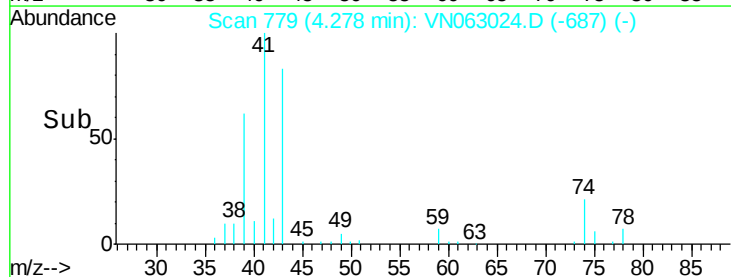
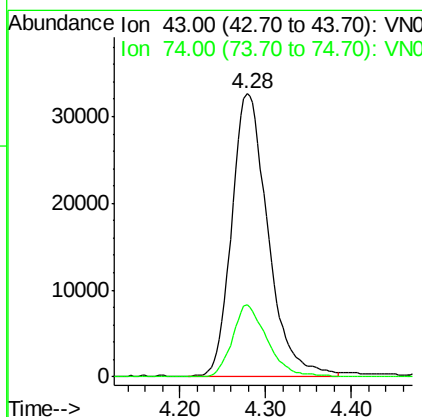
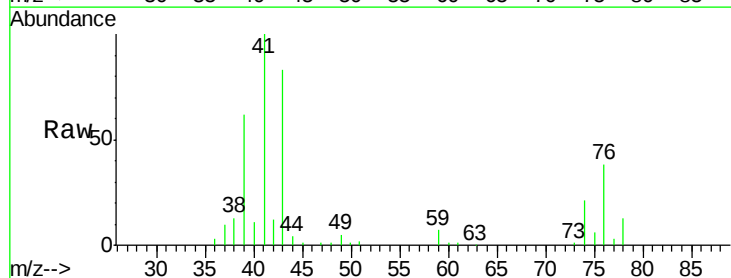
Manual Integrations
APPROVED

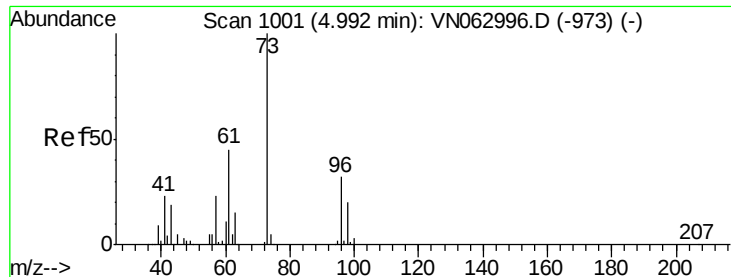
MMDadoda
8/20/2020 10:09:59 AM



#18
Methyl Acetate
Concen: 46.982 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.6	28.0





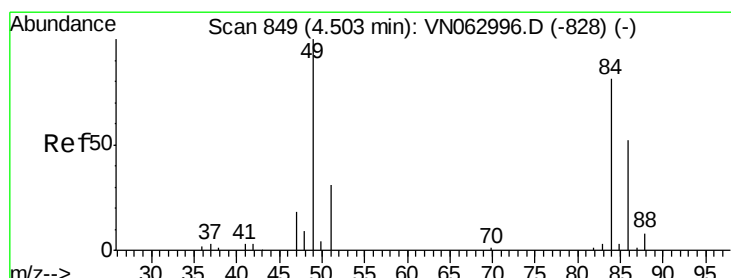
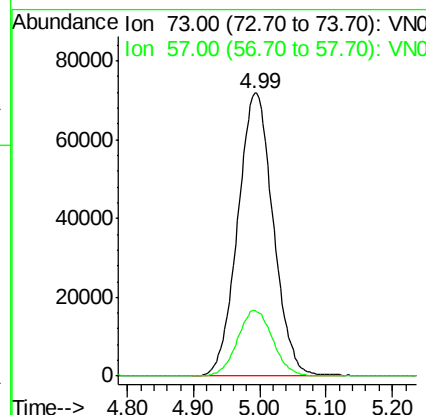
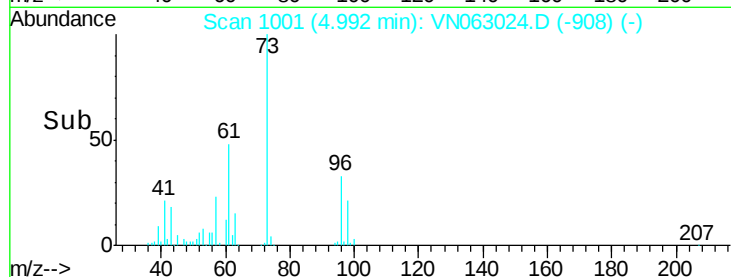
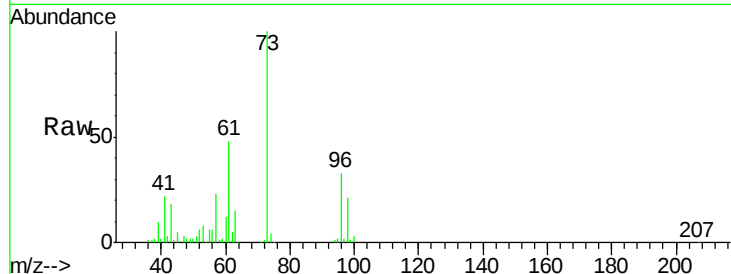
#19
Methvl tert-butvl Ether
Concen: 51.986 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 267143
Ion Ratio Lower Upper
73 100
57 23.1 18.1 27.1

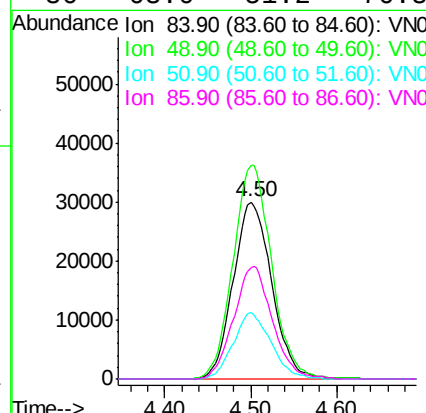
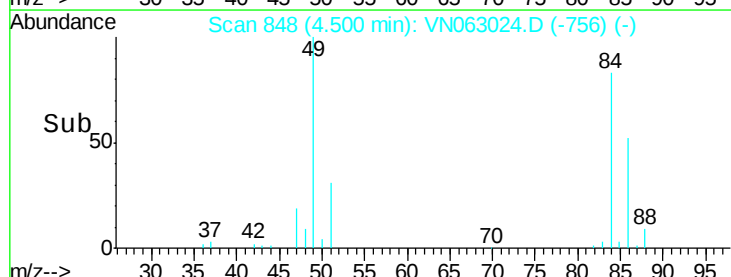
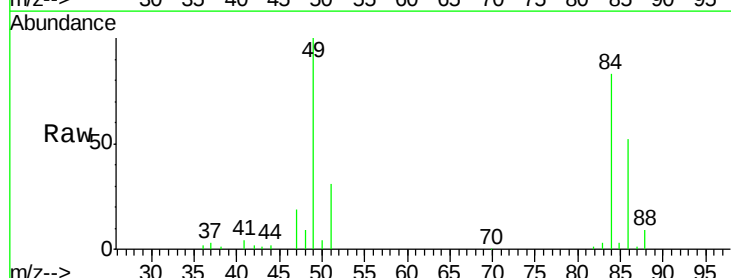
Manual Integrations
APPROVED

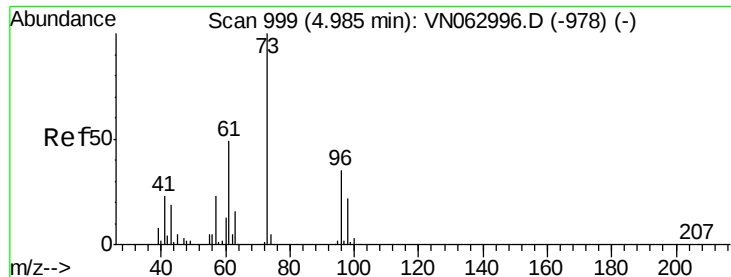
MMDadoda
8/20/2020 10:09:59 AM



#20
Methylene Chloride
Concen: 51.614 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion: 84 Resp: 93544
Ion Ratio Lower Upper
84 100
49 120.6 98.7 148.1
51 37.6 30.8 46.2
86 63.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 51.072 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 78755

Ion Ratio Lower Upper

96 100

61 146.0 112.5 168.7

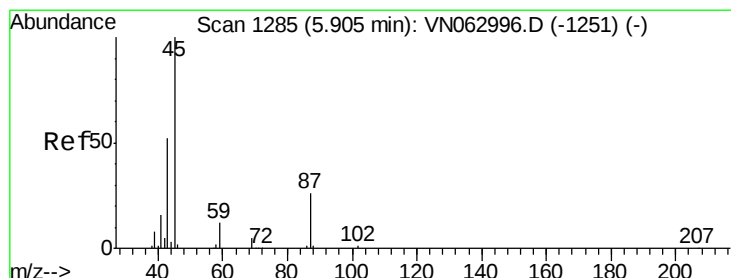
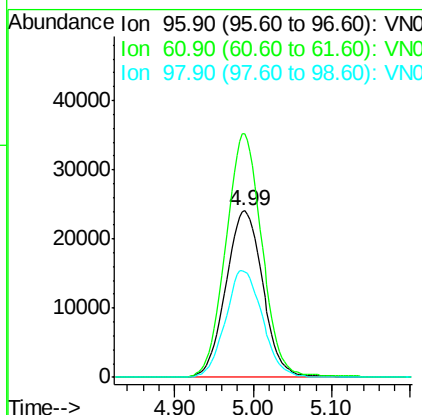
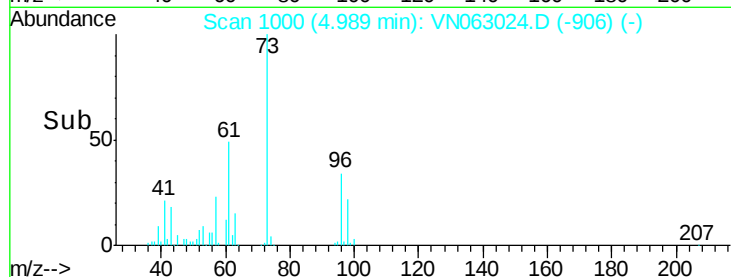
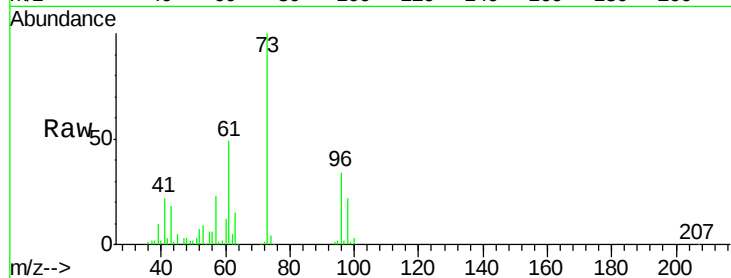
98 63.6 49.4 74.0

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



#22

Diisopropyl ether

Concen: 52.451 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Tgt Ion: 45 Resp: 309234

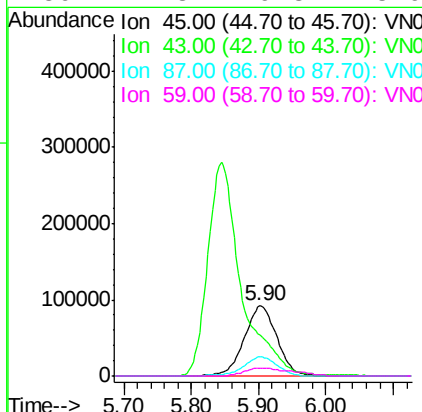
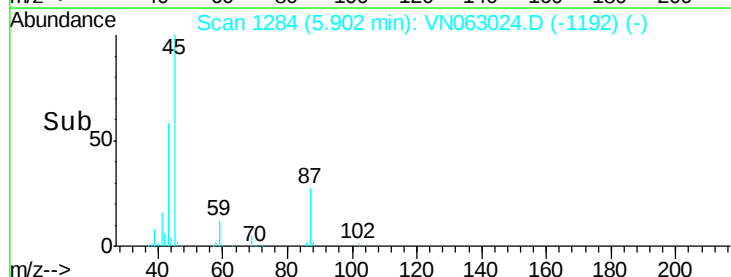
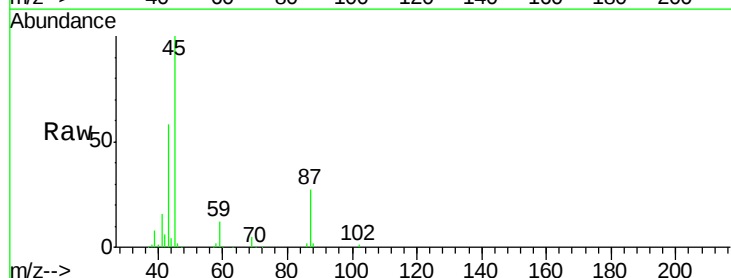
Ion Ratio Lower Upper

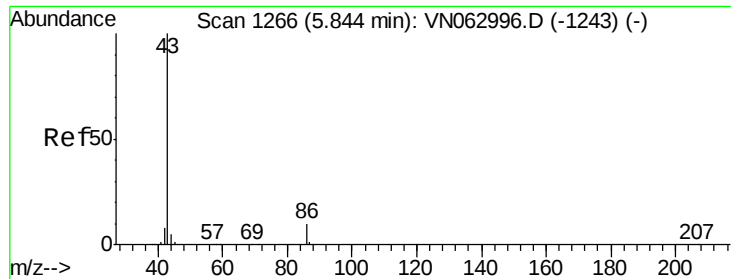
45 100

43 56.3 45.7 68.5

87 27.0 21.8 32.6

59 11.3 9.3 13.9





#23

Vinyl Acetate

Concen: 244.158 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 971370

Ion Ratio Lower Upper

43 100

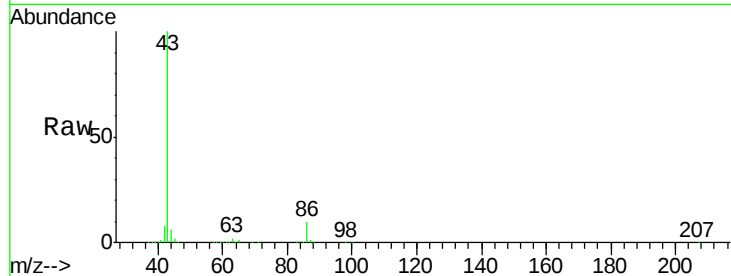
86 10.3 8.0 12.0

Manual Integrations

APPROVED

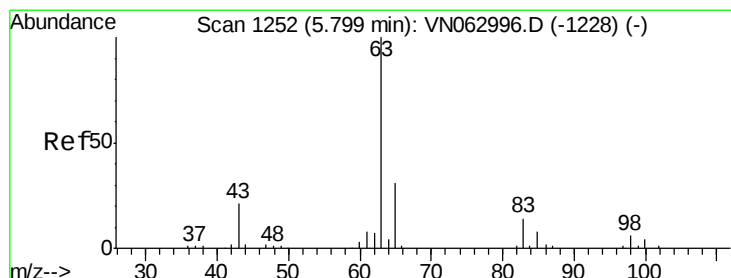
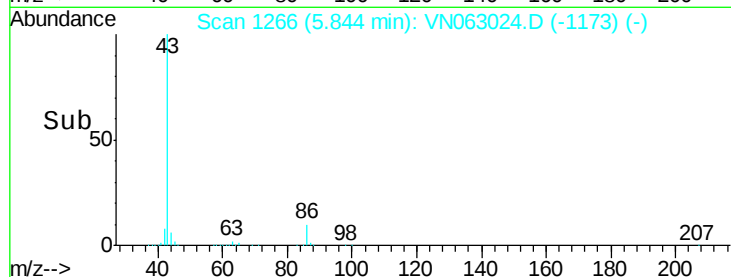
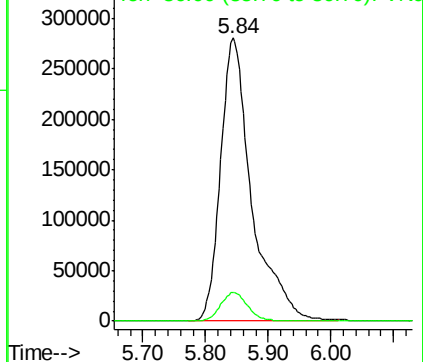
MMDadoda

8/20/2020 10:09:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.052 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

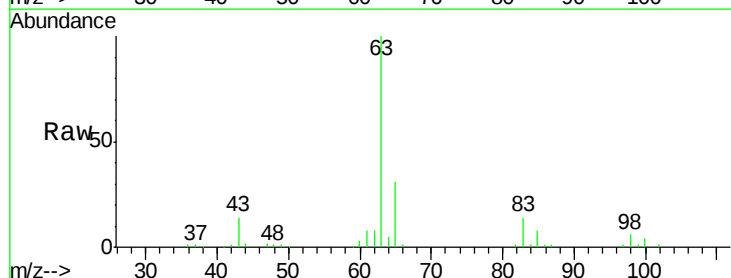
Tgt Ion: 63 Resp: 164899

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

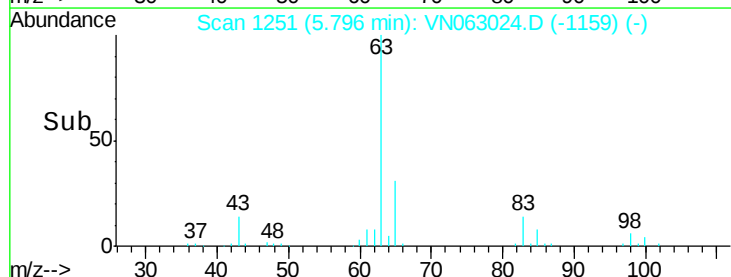
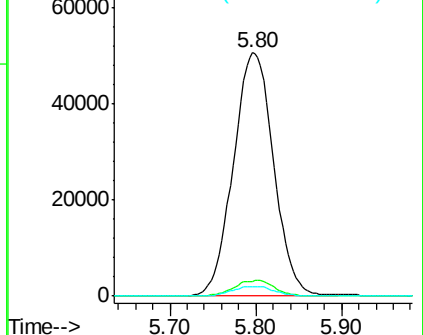
100 4.1 2.0 5.8

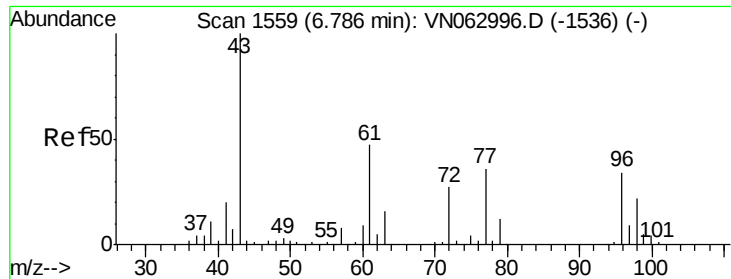


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





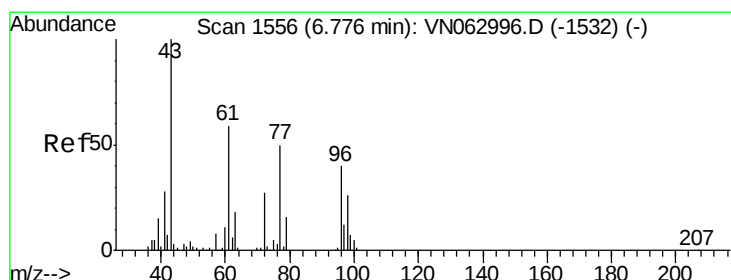
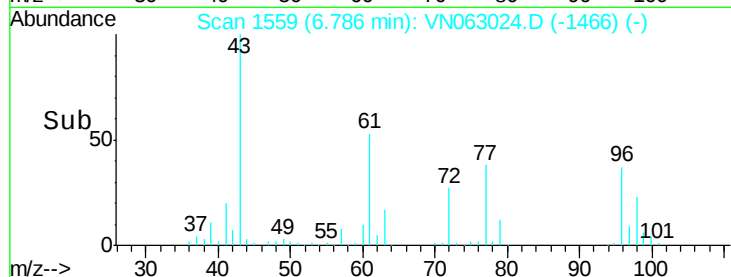
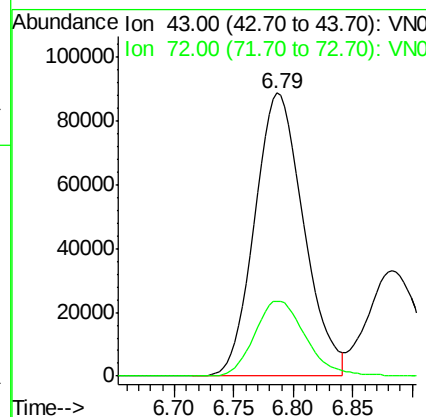
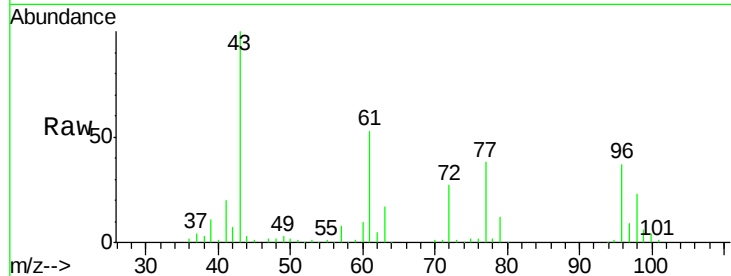
#25
2-Butanone
Concen: 232.247 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 253674
Ion Ratio Lower Upper
43 100
72 26.6 21.8 32.6

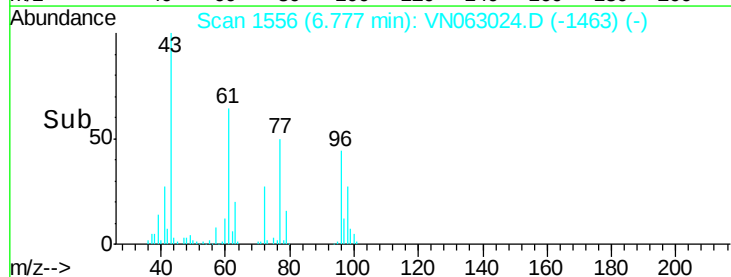
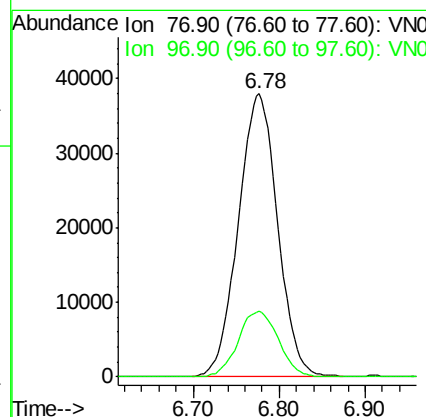
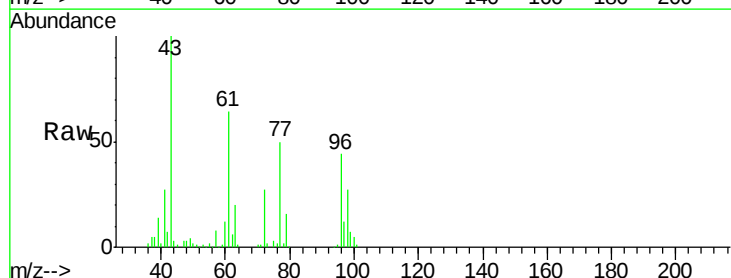
Manual Integrations
APPROVED

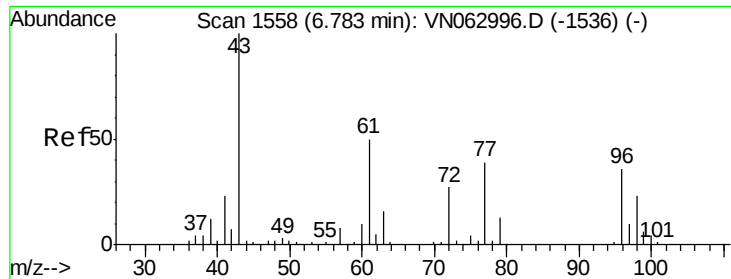
MMDadoda
8/20/2020 10:09:59 AM



#26
2,2-Dichloropropane
Concen: 46.459 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion: 77 Resp: 120372
Ion Ratio Lower Upper
77 100
97 23.8 11.7 35.1





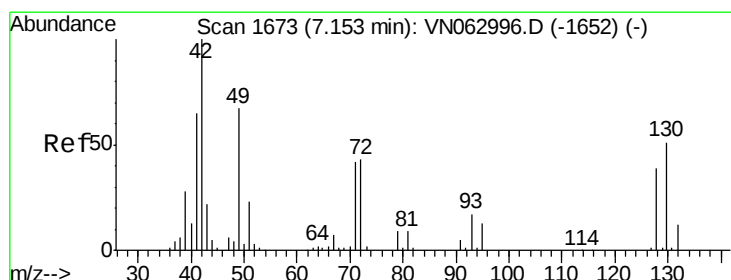
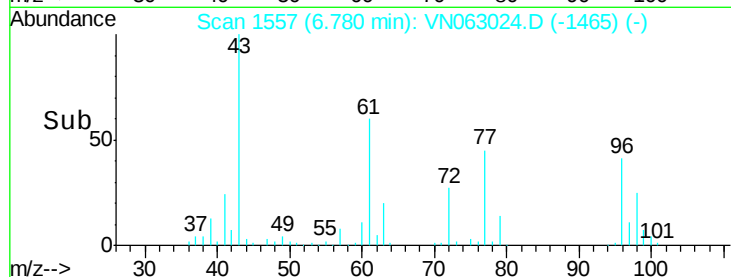
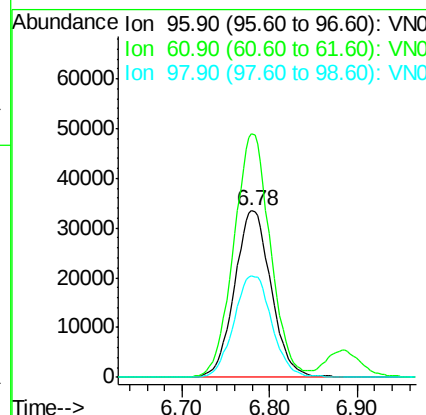
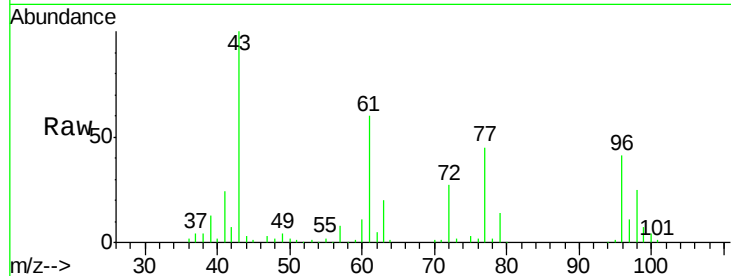
#27
 cis-1,2-Dichloroethene
 Concen: 50.242 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	292.8
98	62.8	0.0	130.6

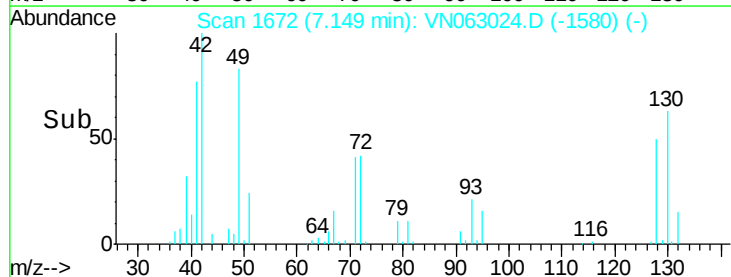
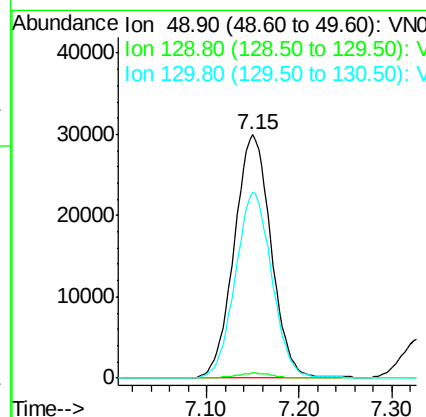
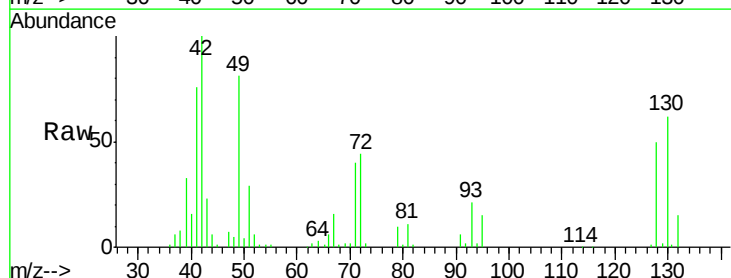
Manual Integrations
 APPROVED

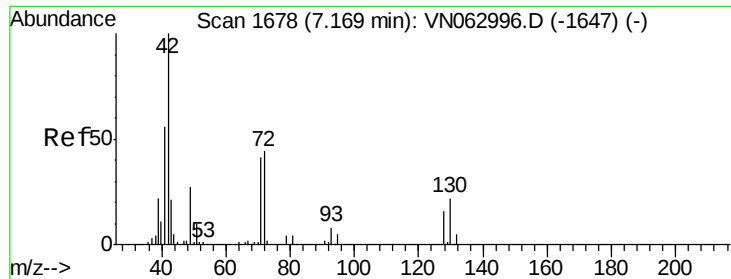
MMDadoda
 8/20/2020 10:09:59 AM



#28
 Bromochloromethane
 Concen: 47.931 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	75.7	61.1	91.7





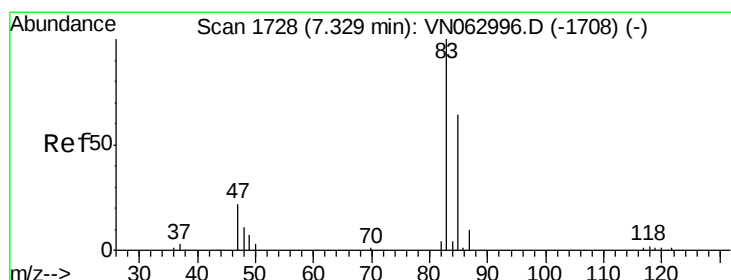
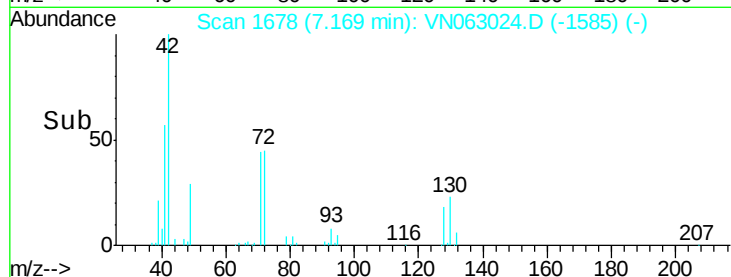
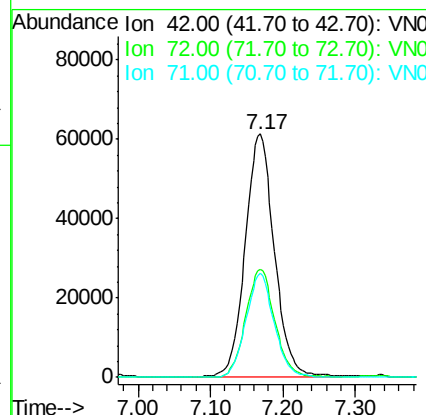
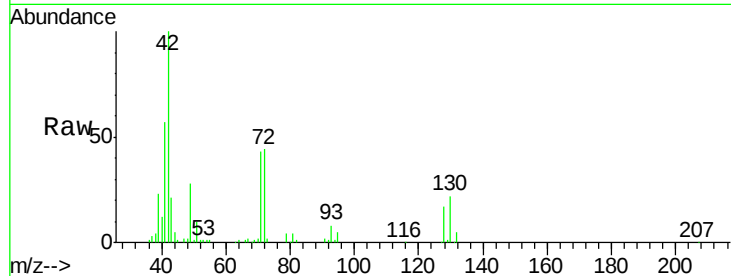
#29
Tetrahydrofuran
Concen: 244.831 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	52.0
71	41.1	32.3	48.5

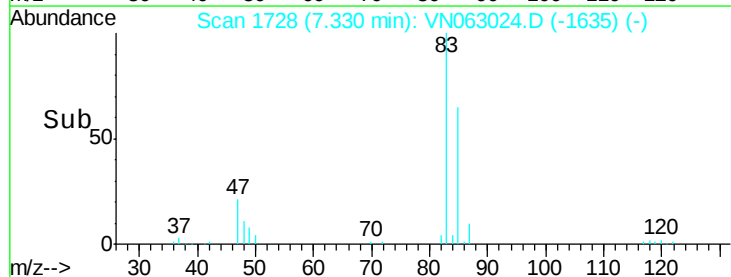
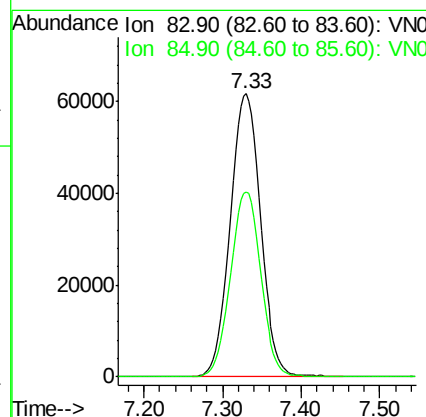
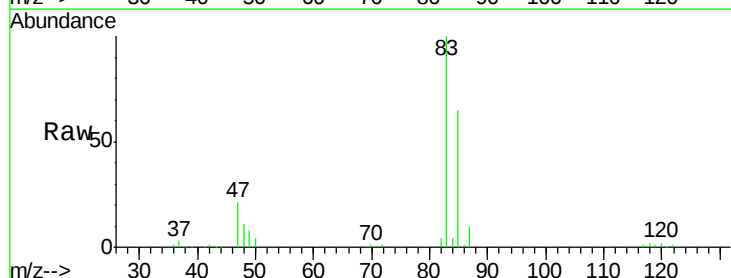
Manual Integrations
APPROVED

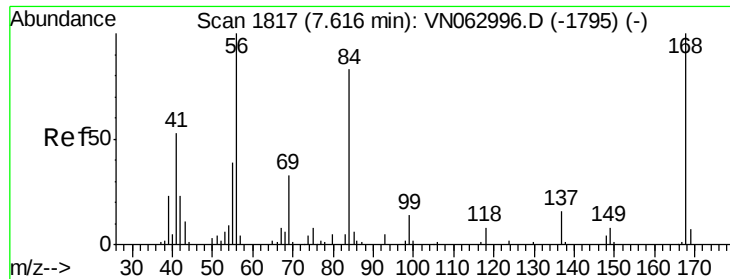
MMDadoda
8/20/2020 10:09:59 AM



#30
Chloroform
Concen: 49.991 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





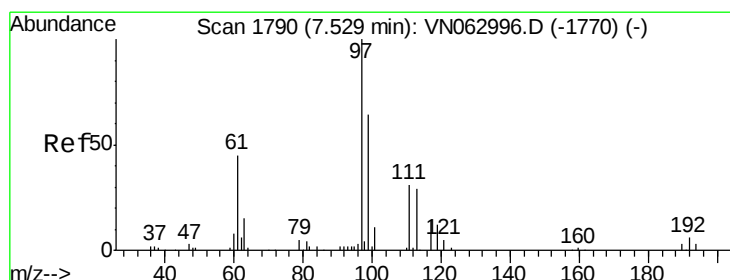
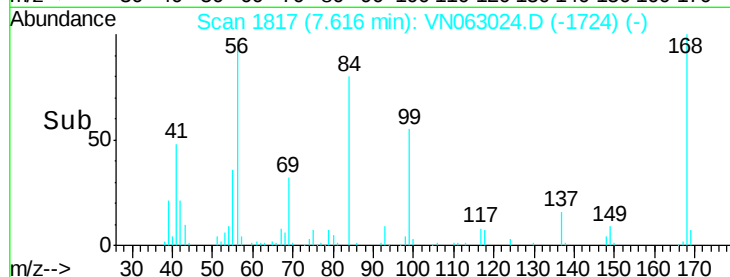
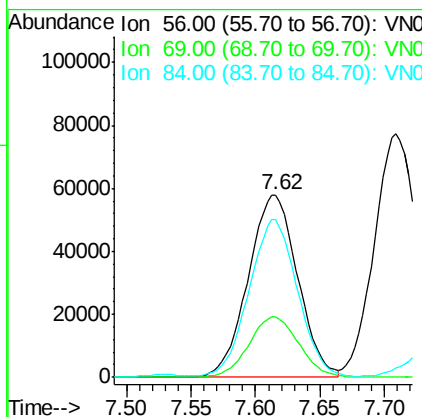
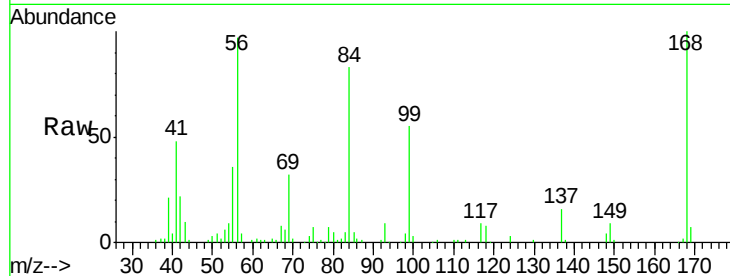
#31
Cyclohexane
Concen: 50.985 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.6	40.0
84	85.4	66.4	99.6

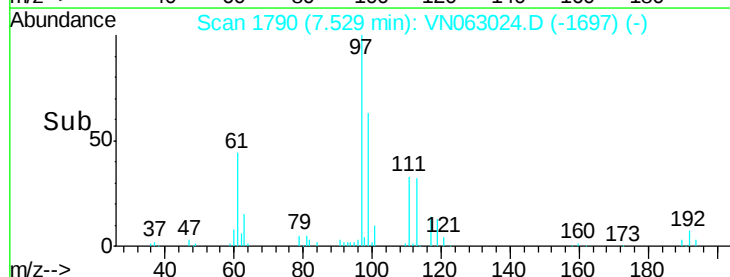
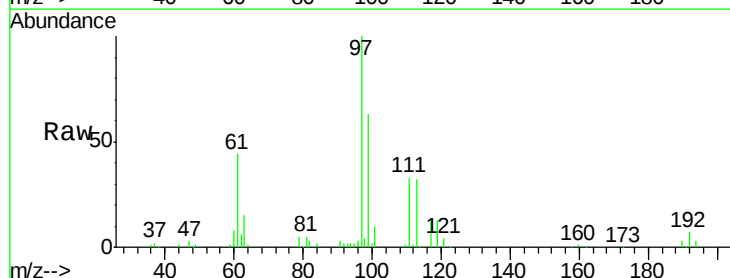
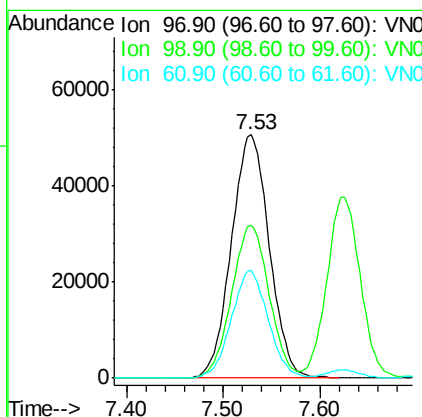
Manual Integrations
APPROVED

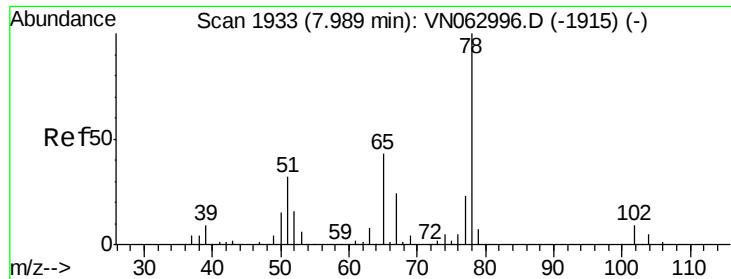
MMDadoda
8/20/2020 10:09:59 AM



#32
1,1,1-Trichloroethane
Concen: 50.901 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	52.0	78.0
61	42.9	36.2	54.4





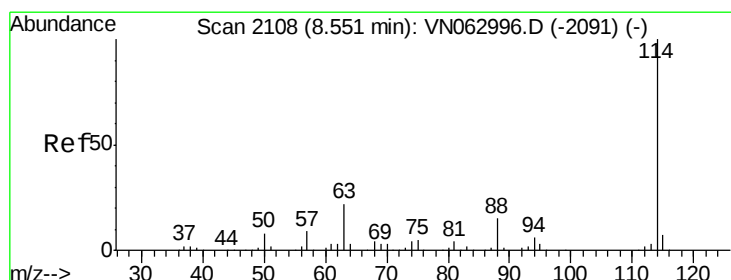
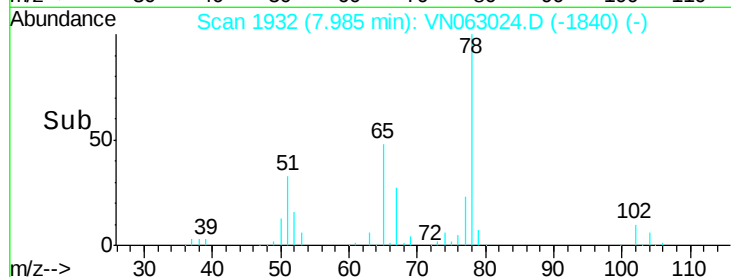
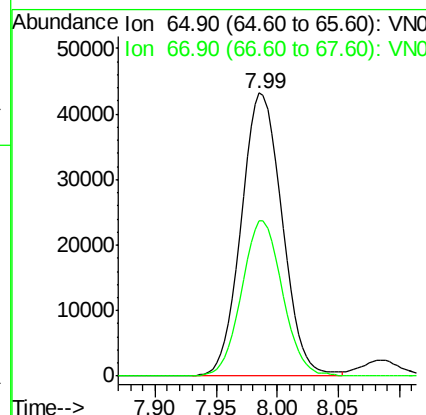
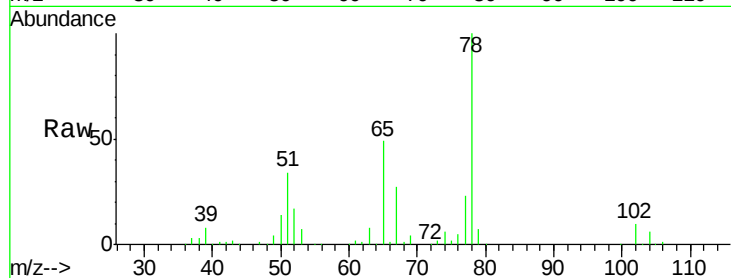
#33
 1,2-Dichloroethane-d4
 Concen: 48.865 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	112.0	

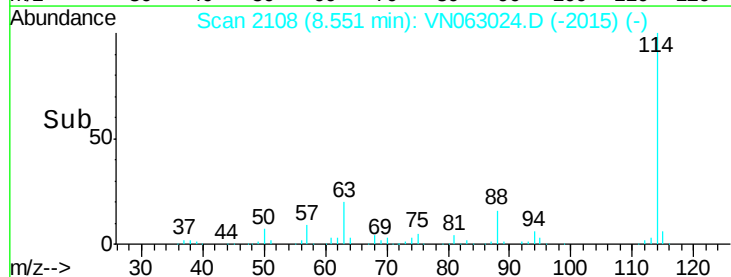
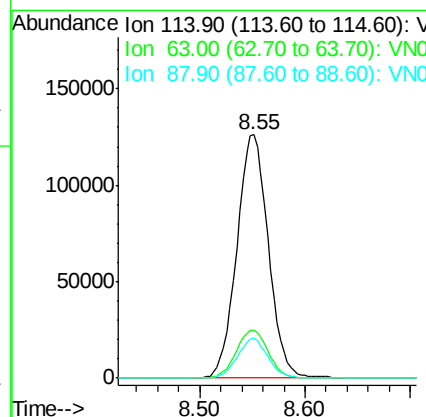
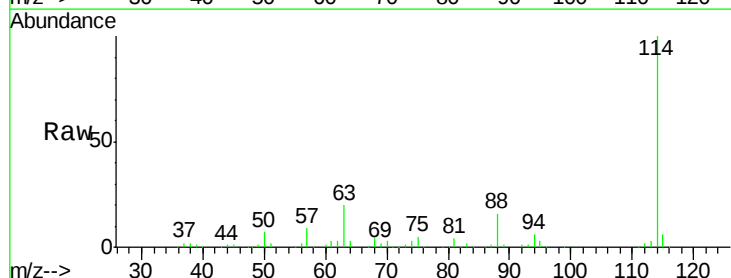
Manual Integrations
 APPROVED

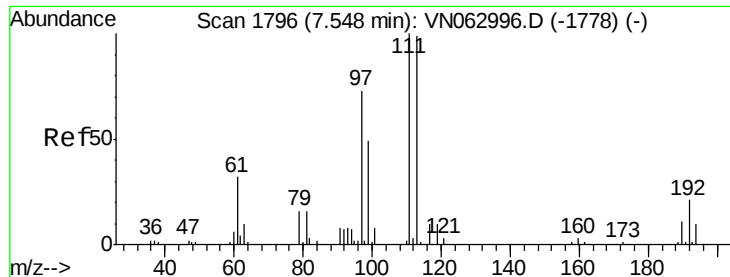
MMDadoda
 8/20/2020 10:09:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	43.2	
88	16.2	0.0	30.6	





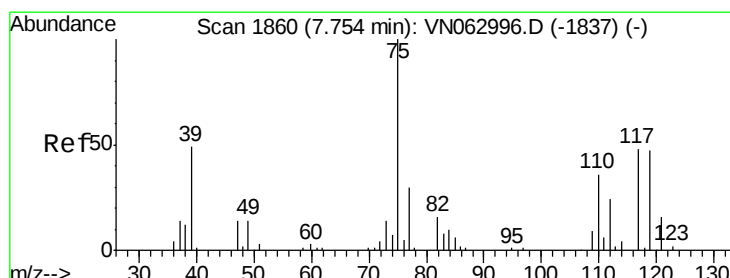
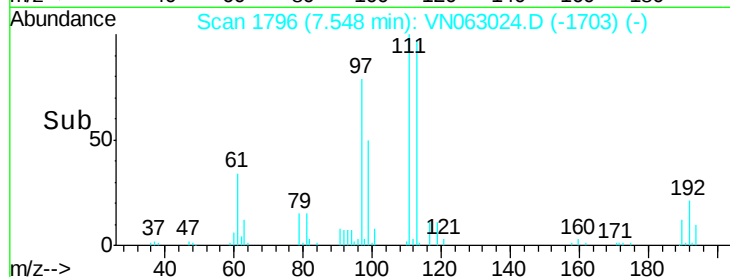
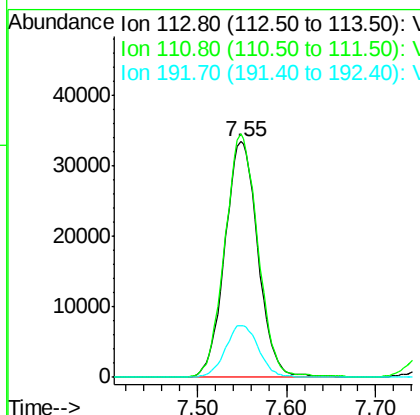
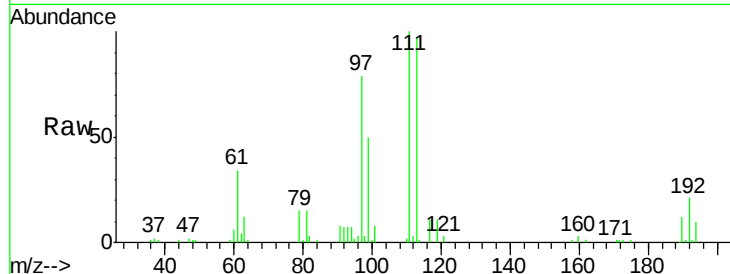
#35
Dibromofluoromethane
Concen: 50.443 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.7	122.5
192	22.2	17.5	26.3

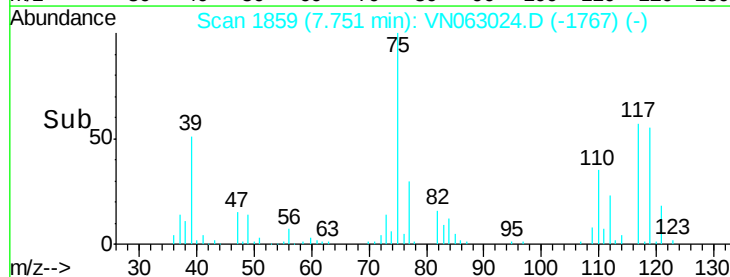
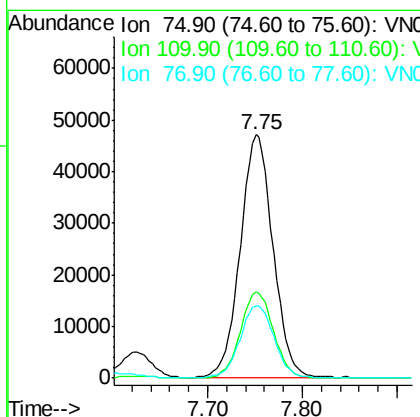
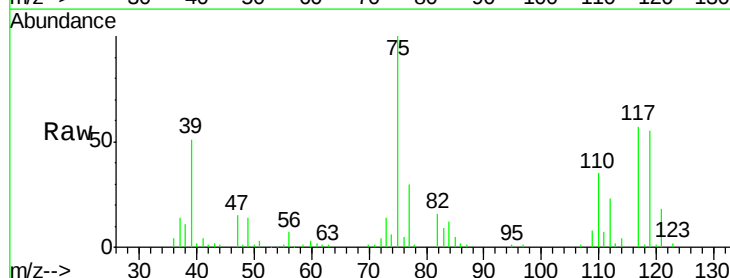
Manual Integrations
APPROVED

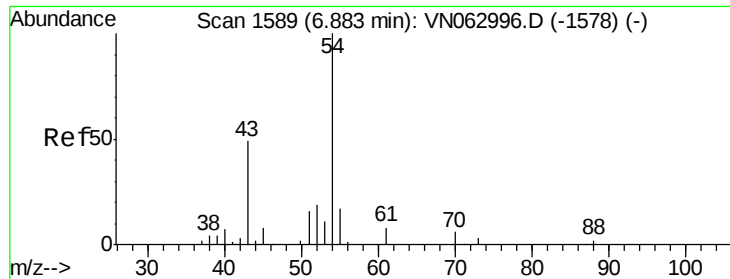
MMDadoda
8/20/2020 10:09:59 AM



#36
1,1-Dichloropropene
Concen: 49.449 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.5	52.6
77	31.1	24.2	36.4





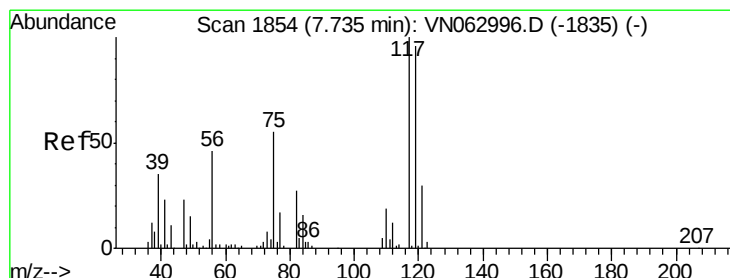
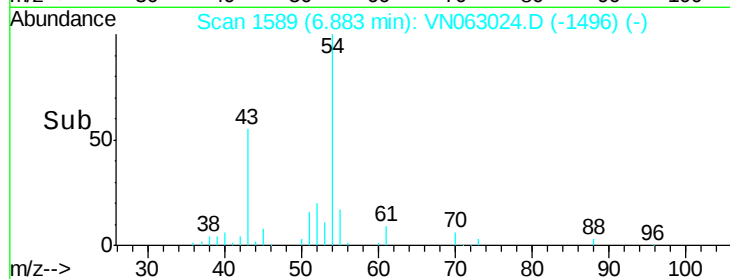
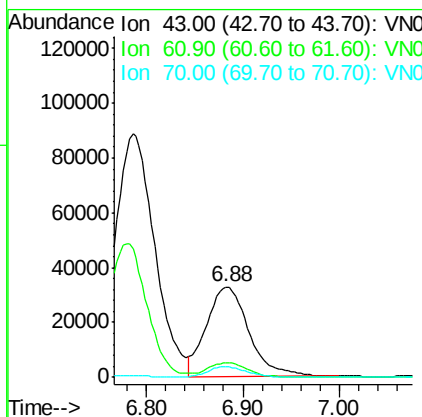
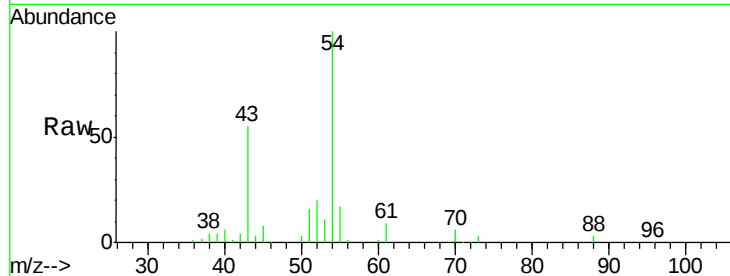
#37
Ethyl Acetate
Concen: 46.285 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	99823
Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.8
70	10.9	8.2	12.2

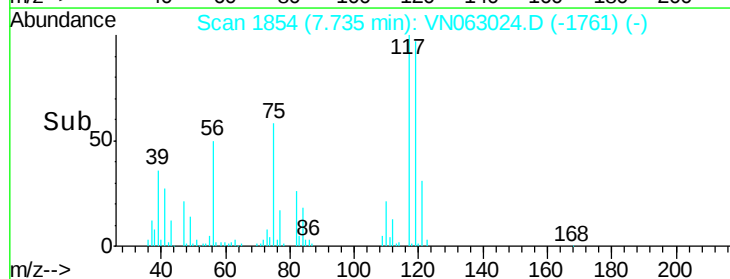
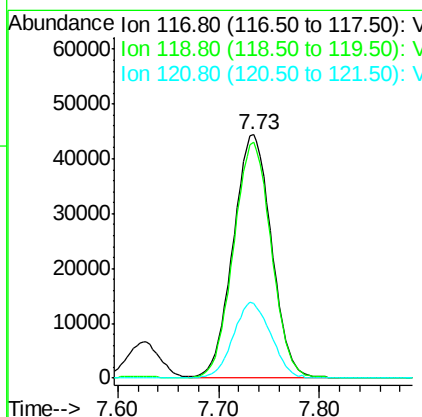
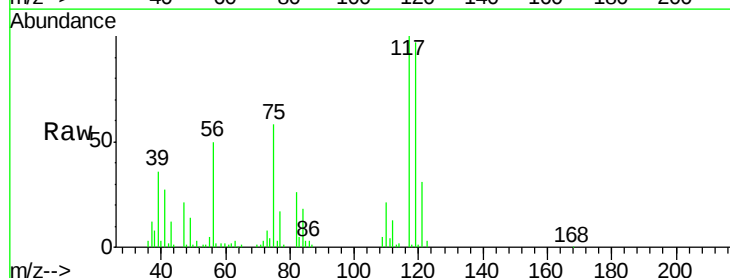
Manual Integrations
APPROVED

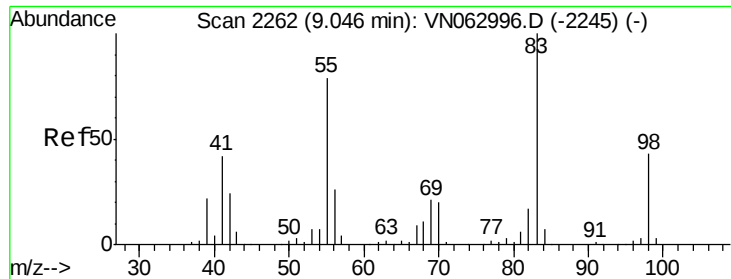
MMDadoda
8/20/2020 10:09:59 AM



#38
Carbon Tetrachloride
Concen: 50.433 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion:	117	Resp:	117193
Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.2	114.4
121	30.9	24.2	36.2





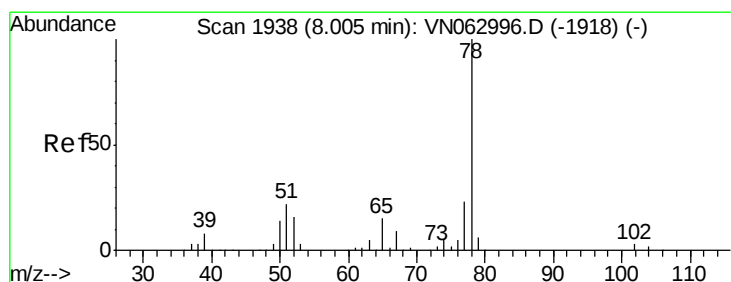
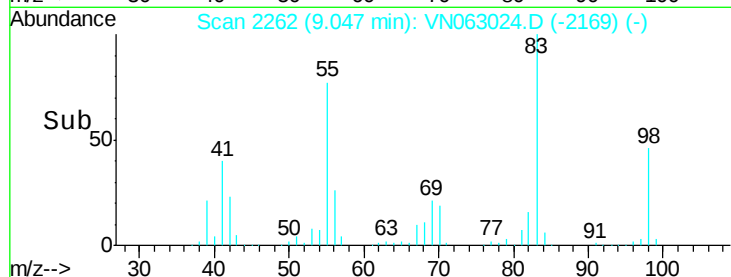
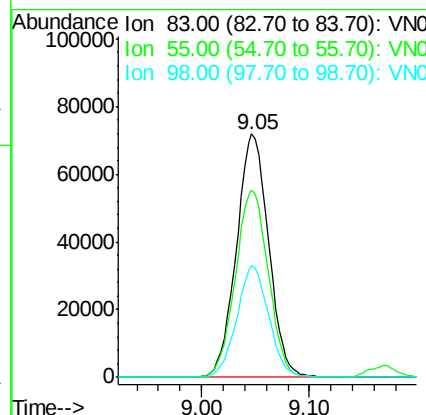
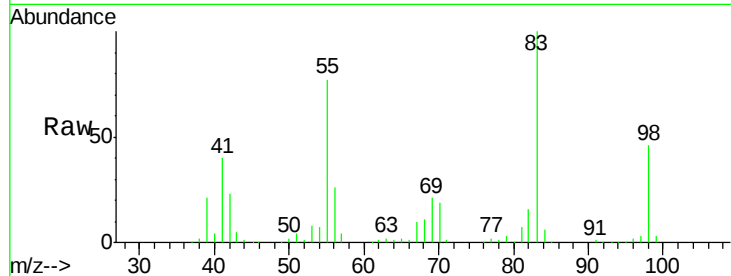
#39
Methvlcvclohexane
Concen: 48.219 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	149662
Ion	Ratio	Lower	Upper
83	100		
55	76.9	63.3	94.9
98	45.7	34.2	51.4

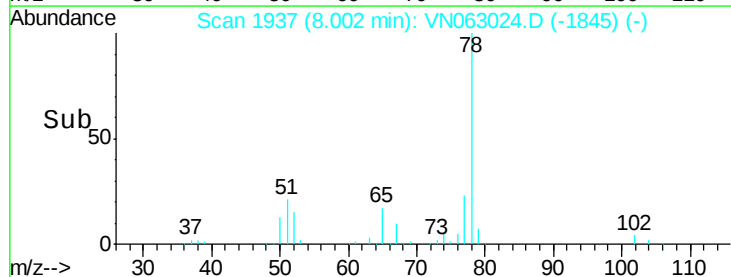
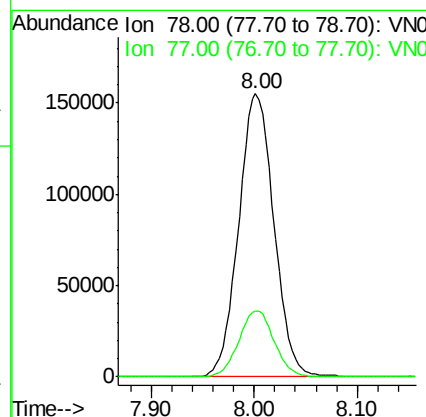
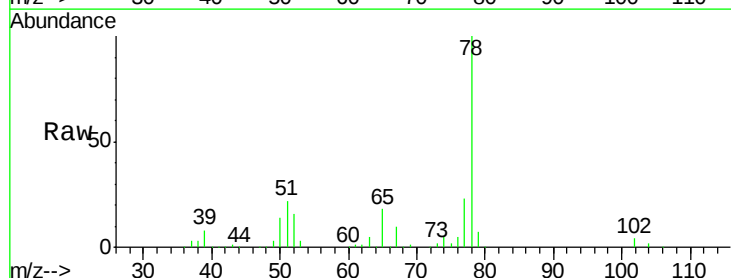
Manual Integrations
APPROVED

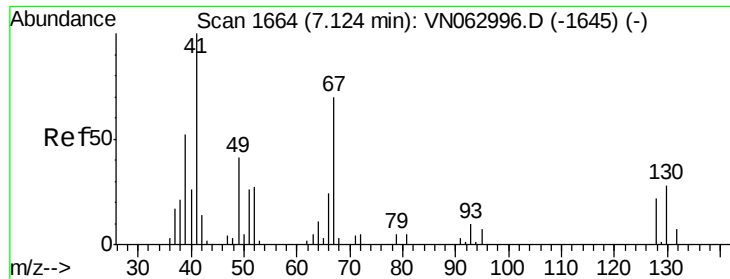
MMDadoda
8/20/2020 10:09:59 AM



#40
Benzene
Concen: 50.585 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	78	Resp	369284
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





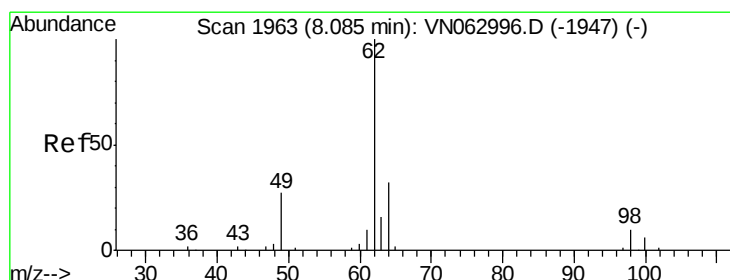
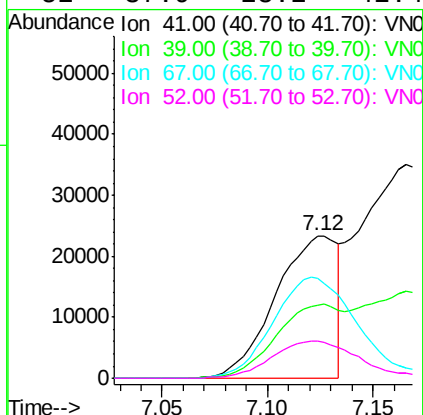
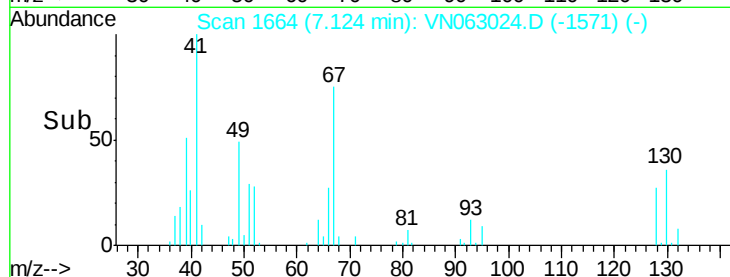
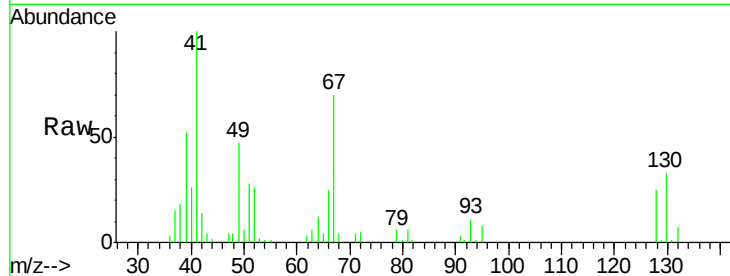
#41
Methacrylonitrile
Concen: 46.165 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	41.6	62.4	
67	97.6	71.8	107.8	
52	37.9	28.2	42.4	

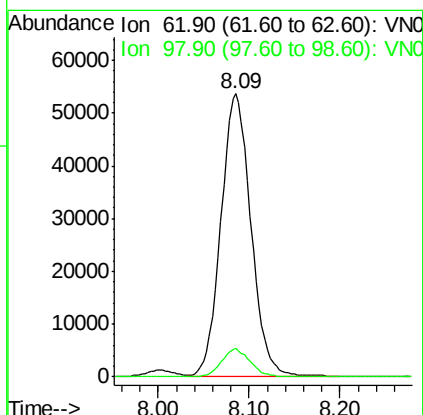
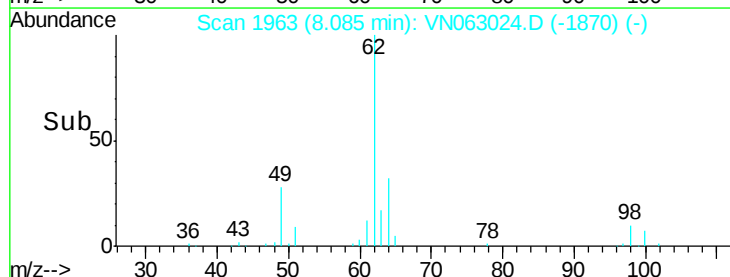
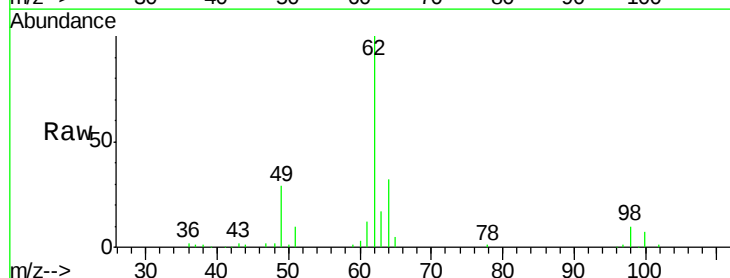
Manual Integrations
APPROVED

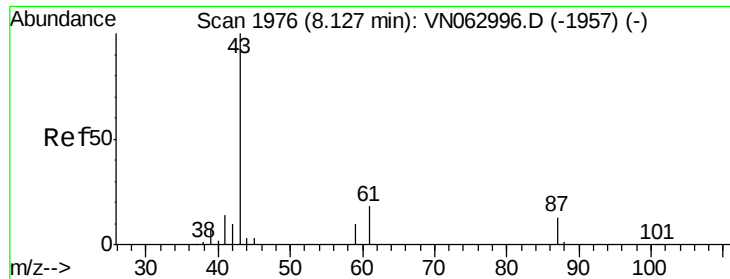
MMDadoda
8/20/2020 10:09:59 AM



#42
1,2-Dichloroethane
Concen: 50.299 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.4	





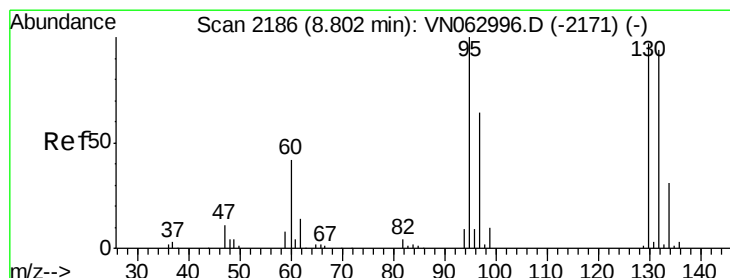
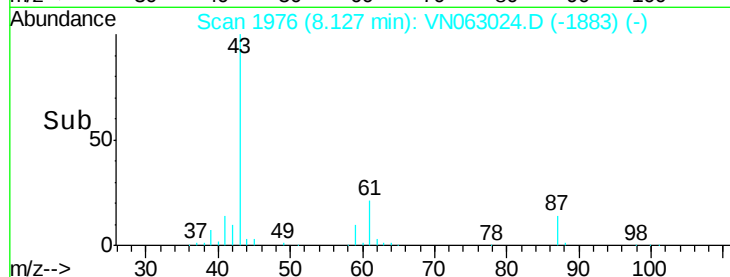
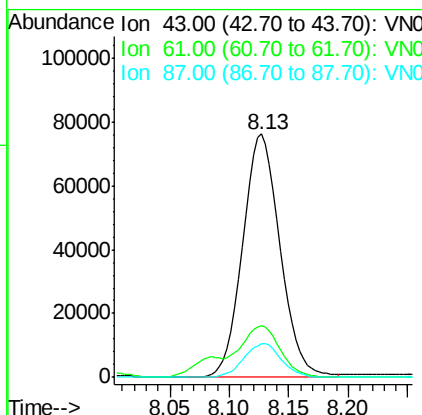
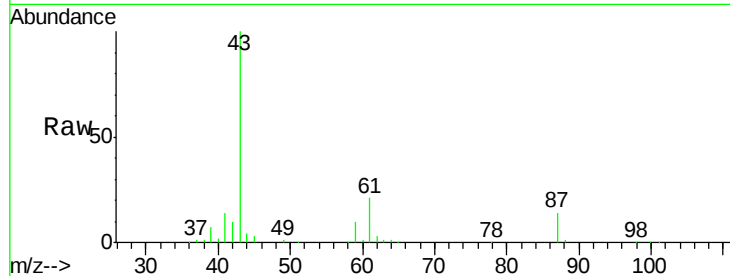
#43
Isopropyl Acetate
Concen: 46.539 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	22.6	33.8#
87	13.9	10.5	15.7

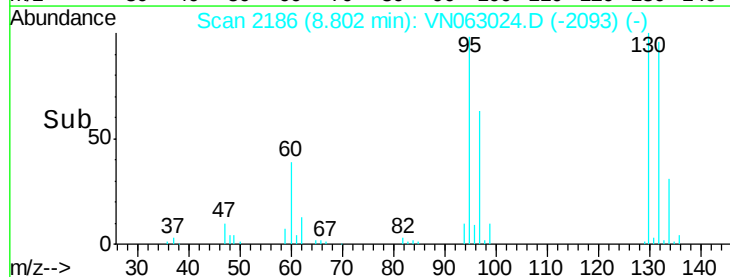
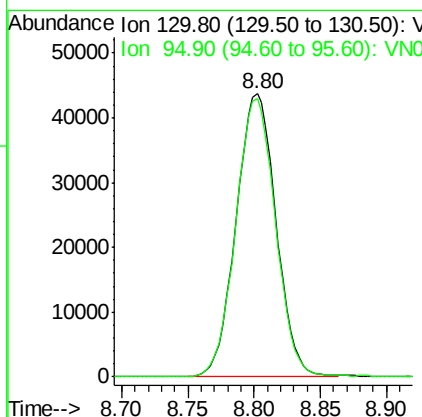
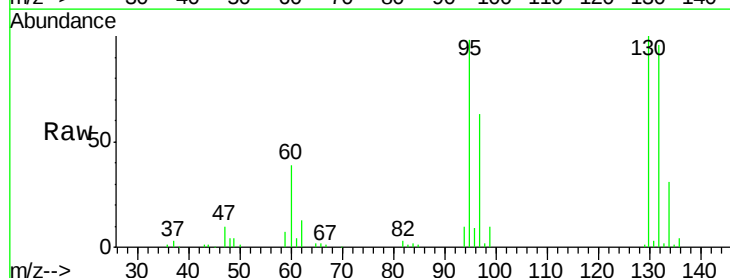
Manual Integrations
APPROVED

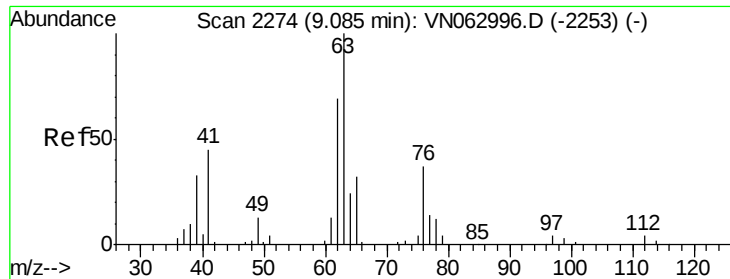
MMDadoda
8/20/2020 10:09:59 AM



#44
Trichloroethene
Concen: 50.389 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	205.6





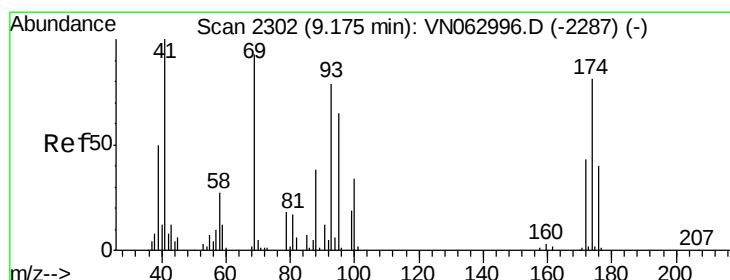
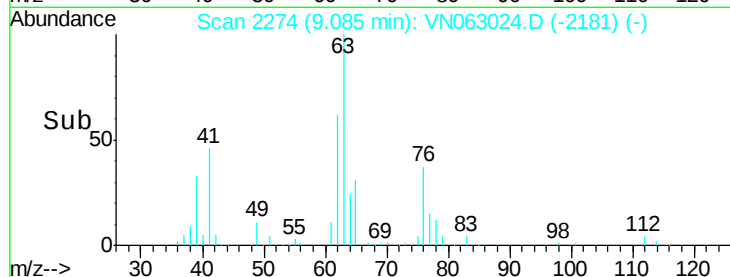
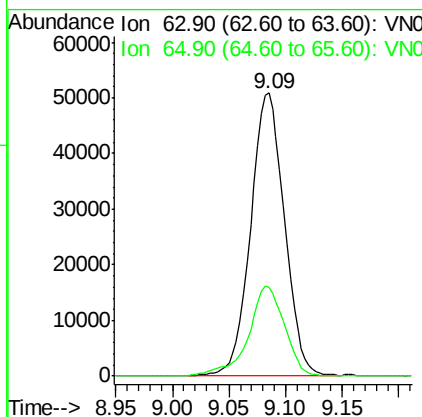
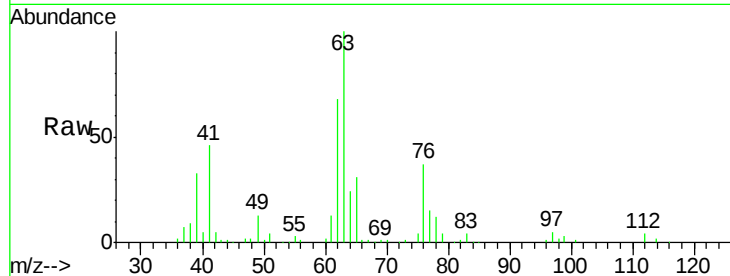
#45
 1,2-Dichloropropane
 Concen: 50.197 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 105924
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4

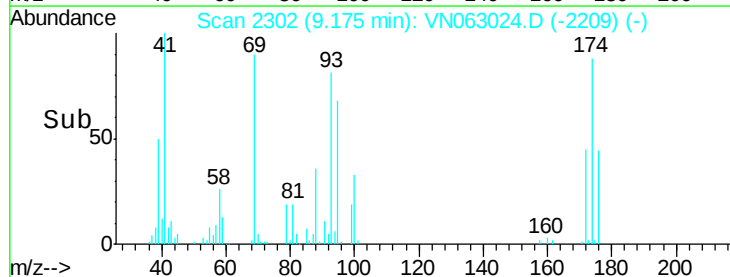
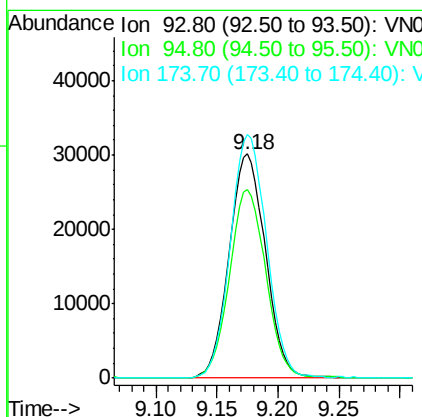
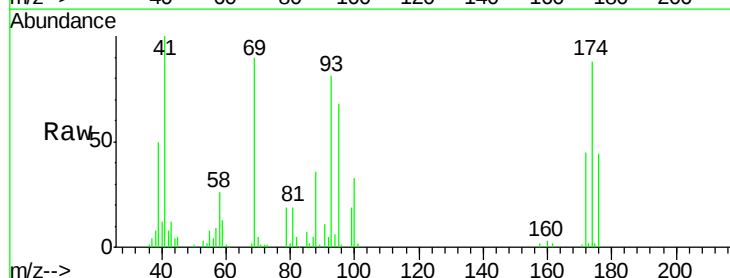
Manual Integrations
 APPROVED

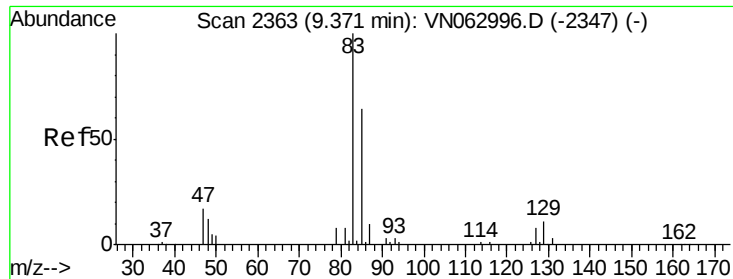
MMDadoda
 8/20/2020 10:09:59 AM



#46
 Dibromomethane
 Concen: 51.352 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion: 93 Resp: 62601
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.4
 174 108.0 84.6 127.0





#47

Bromodichloromethane

Concen: 50.475 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

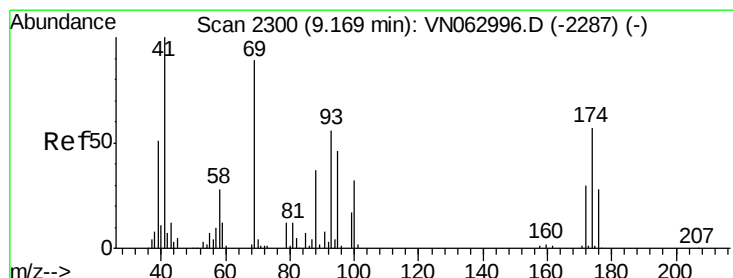
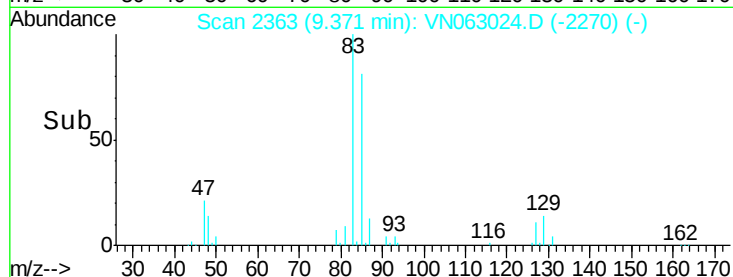
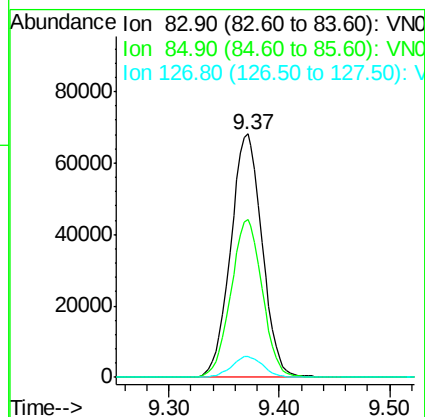
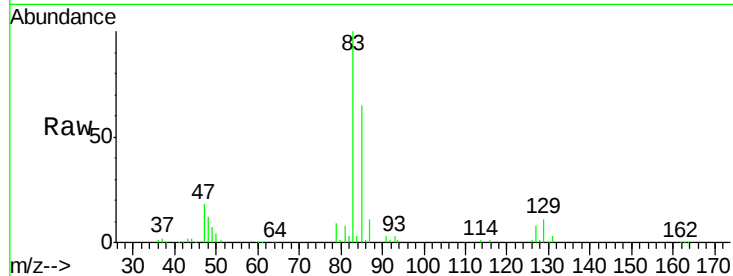
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	134767
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.1	76.7
127	8.5	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM



#48

Methyl methacrylate

Concen: 49.189 ug/l

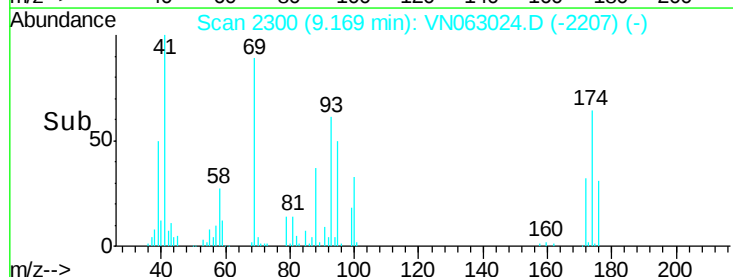
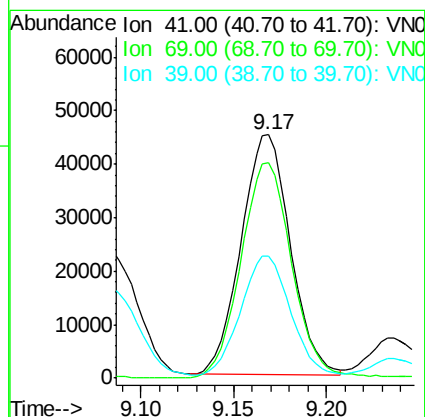
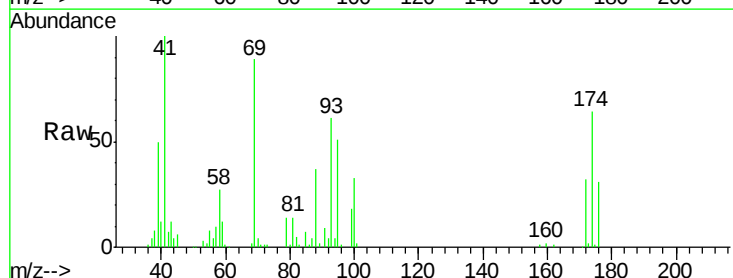
RT: 9.17 min Scan# 2300

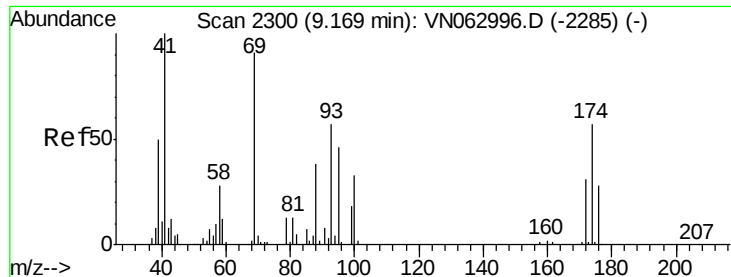
Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Tgt Ion:	41	Resp:	83158
Ion Ratio	Lower	Upper	
41	100		
69	93.3	74.2	111.4
39	50.1	42.5	63.7





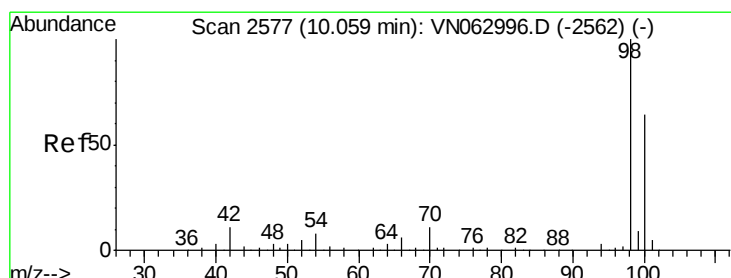
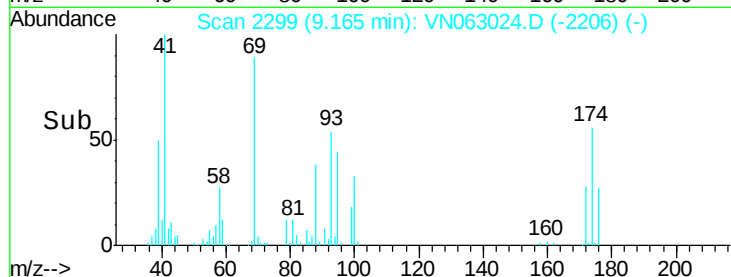
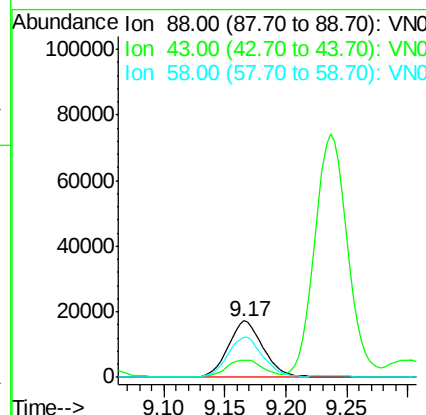
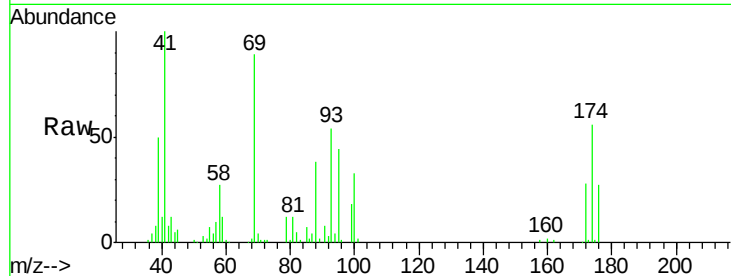
#49
1,4-Dioxane
Concen: 932.637 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	34657
Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.2	37.8
58	71.6	56.7	85.1

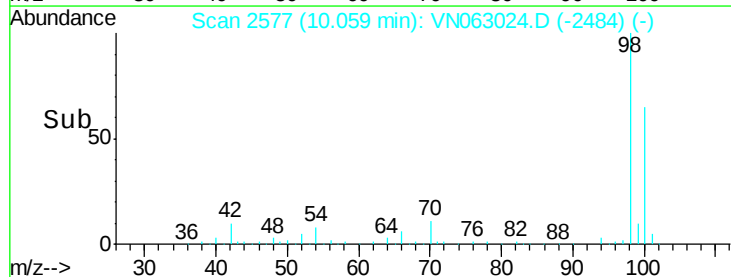
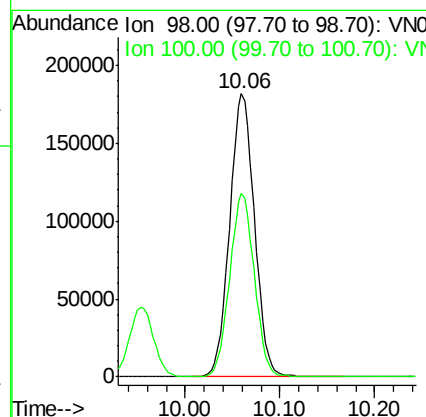
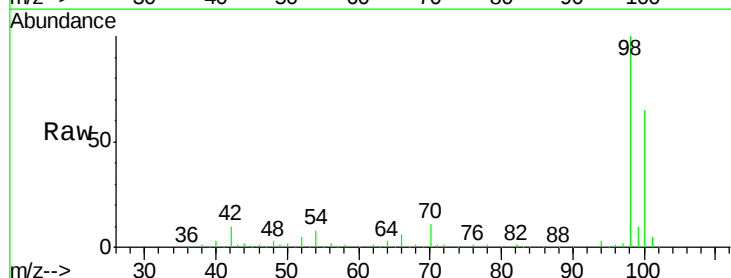
Manual Integrations
APPROVED

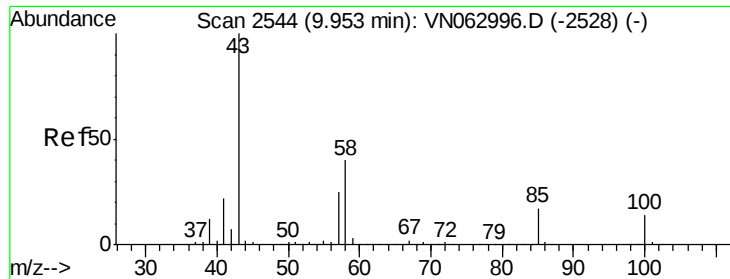
MMDadoda
8/20/2020 10:09:59 AM



#50
Toluene-d8
Concen: 50.780 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	98	Resp	331947
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 241.970 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 546483

Ion Ratio Lower Upper

43 100

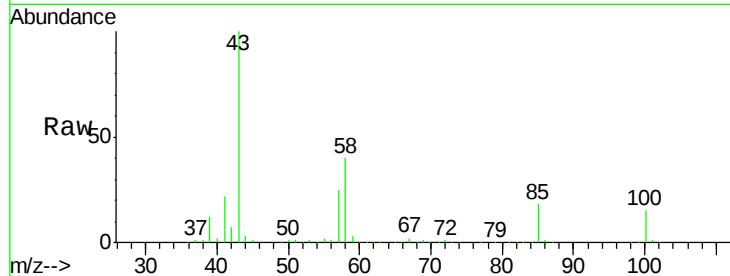
58 40.7 32.2 48.2

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

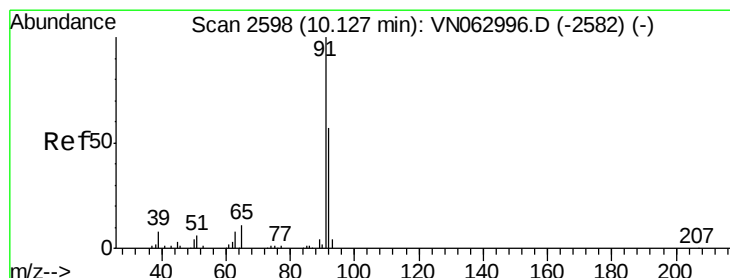
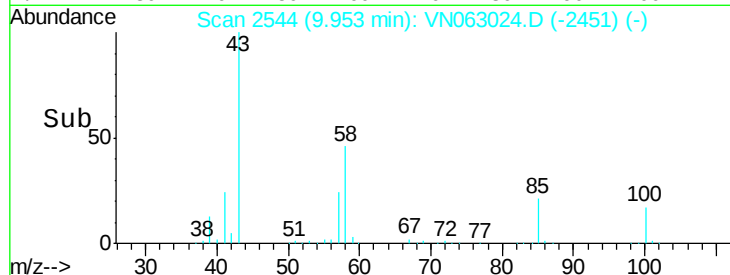
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.277 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063024.D

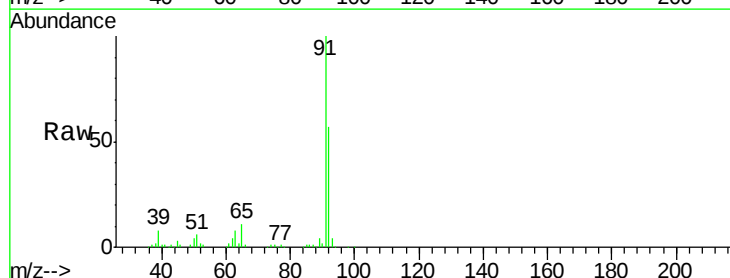
Acq: 19 Aug 2020 19:59

Tgt Ion: 92 Resp: 230217

Ion Ratio Lower Upper

92 100

91 175.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

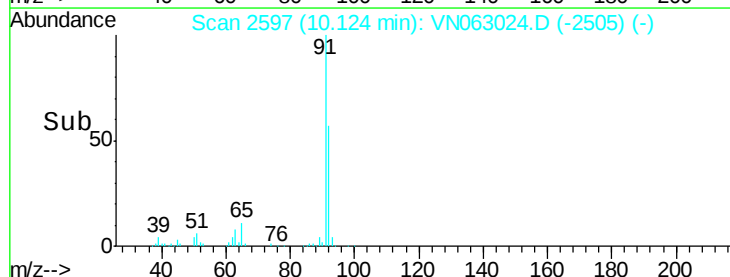
150000

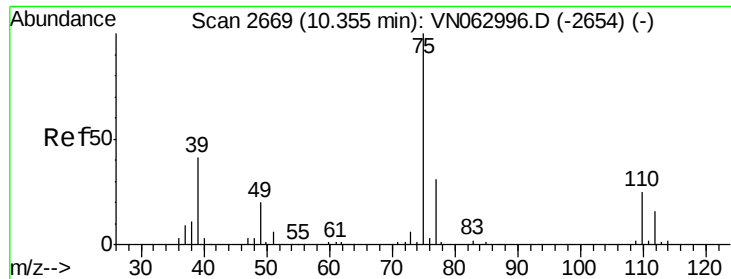
100000

50000

0

Time-->





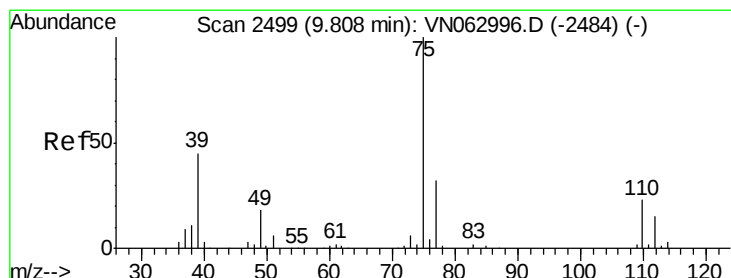
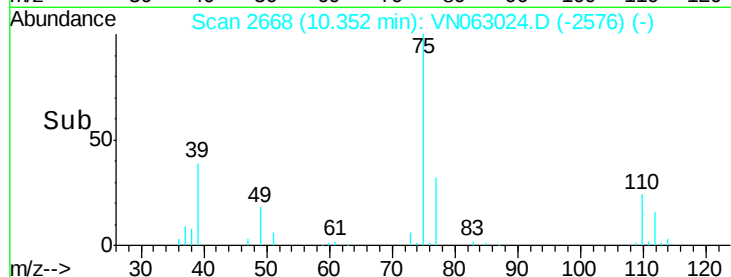
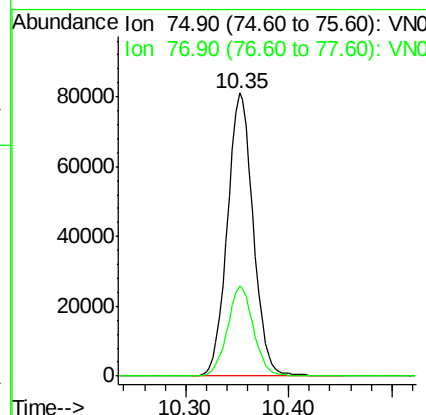
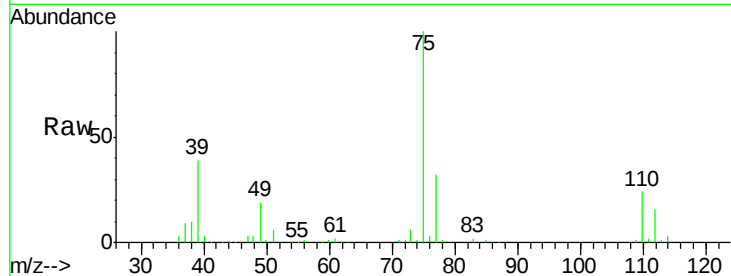
#53
t-1,3-Dichloropropene
Concen: 51.278 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 141582
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

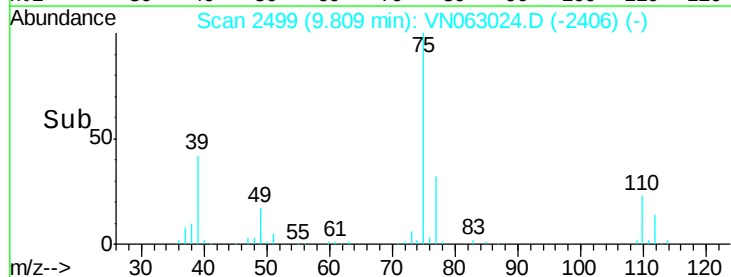
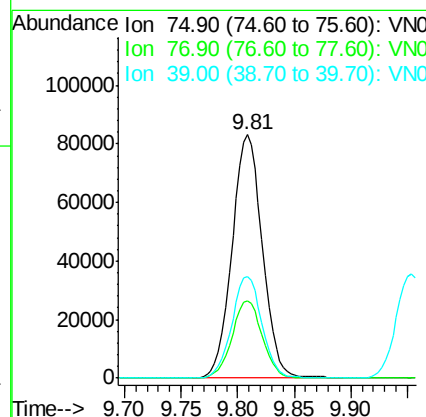
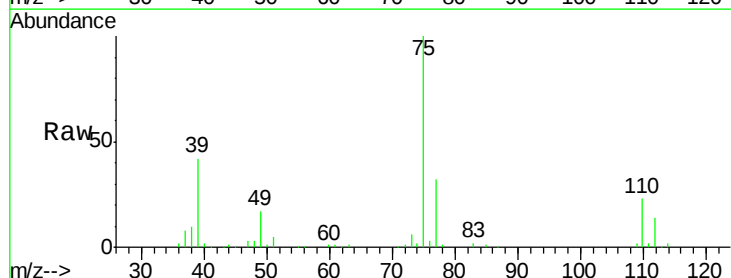
Manual Integrations
APPROVED

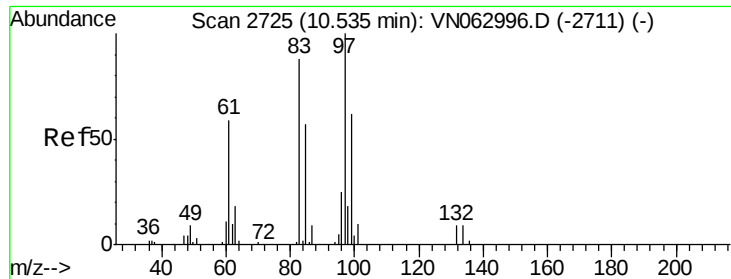
MMDadoda
8/20/2020 10:09:59 AM



#54
cis-1,3-Dichloropropene
Concen: 51.201 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion: 75 Resp: 155081
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 41.9 35.7 53.5





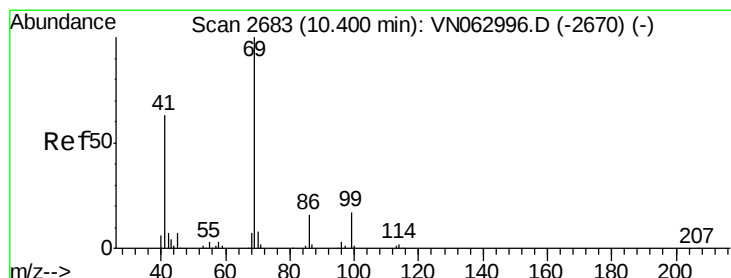
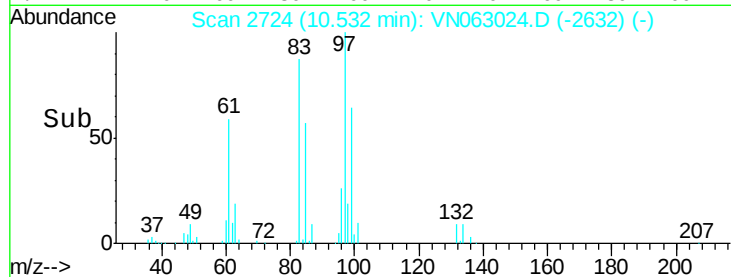
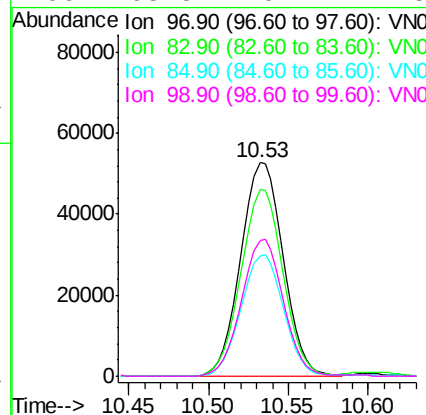
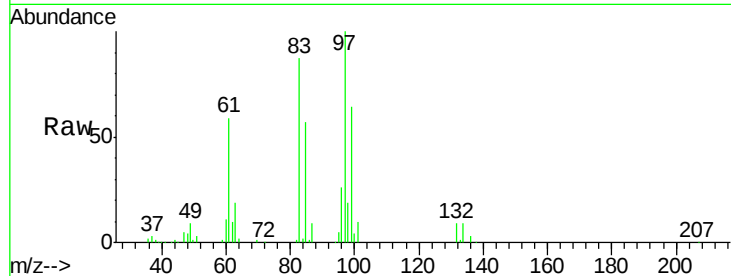
#55
 1,1,2-Trichloroethane
 Concen: 50.911 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	95865
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.5	105.7
85	56.6	45.8	68.6
99	63.8	49.7	74.5

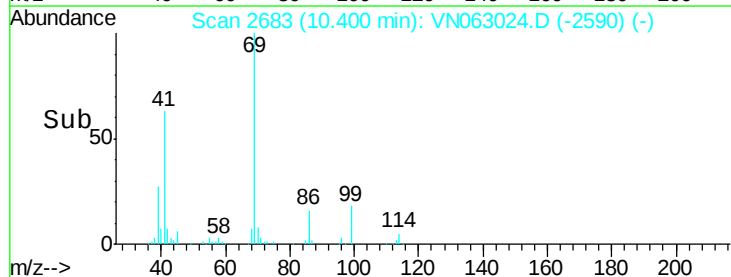
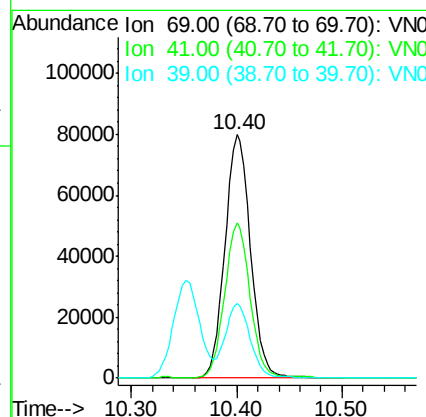
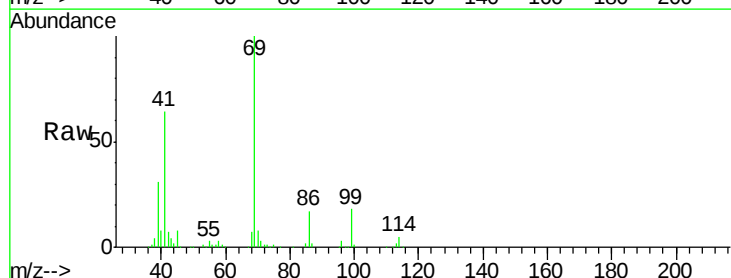
Manual Integrations
 APPROVED

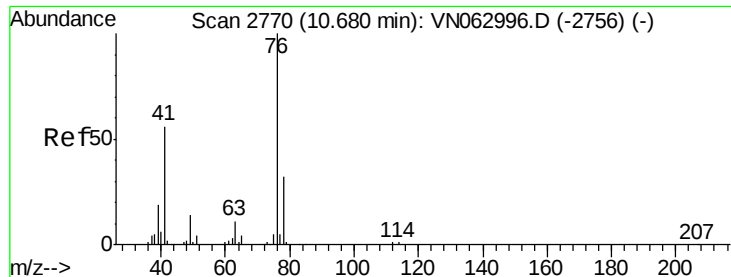
MMDadoda
 8/20/2020 10:09:59 AM



#56
 Ethyl methacrylate
 Concen: 46.245 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	69	Resp	134097
Ion	Ratio	Lower	Upper
69	100		
41	62.8	50.2	75.2
39	29.8	24.2	36.4





#57

1,3-Dichloropropane

Concen: 50.319 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 157337

Ion Ratio Lower Upper

76 100

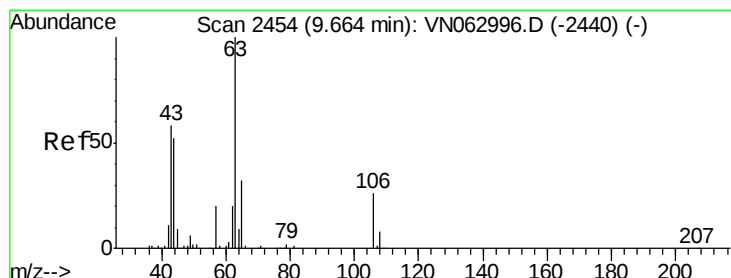
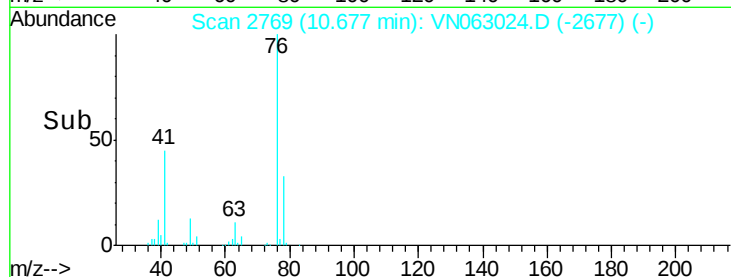
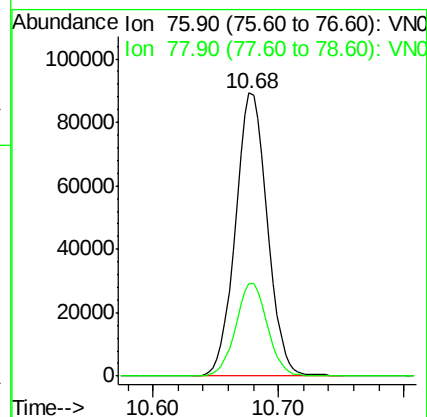
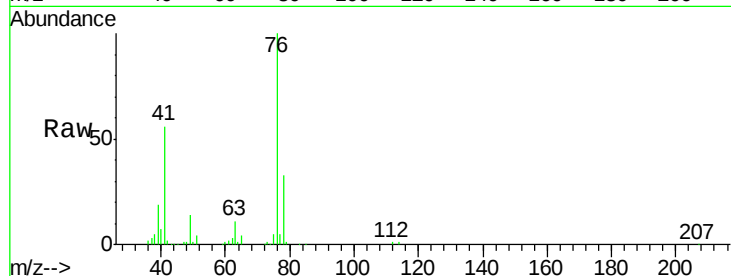
78 32.8 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



#58

2-Chloroethyl Vinyl ether

Concen: 212.729 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063024.D

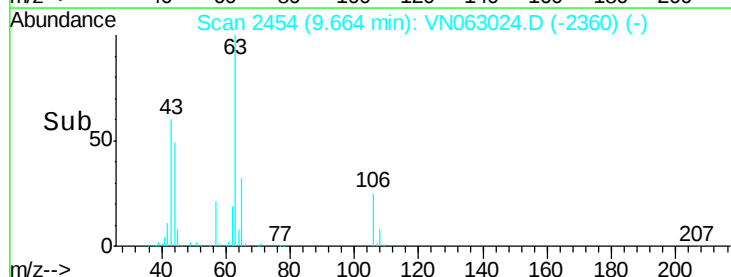
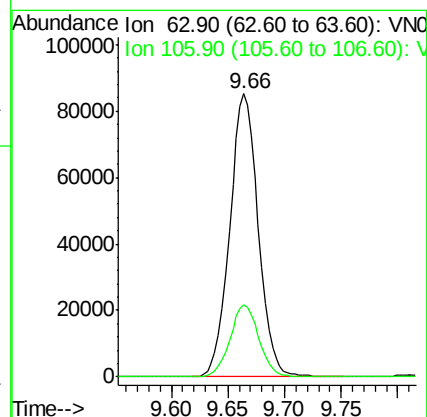
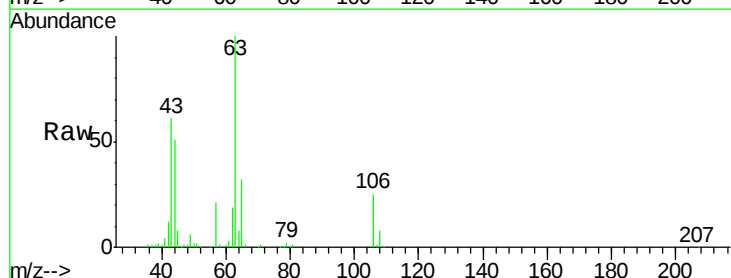
Acq: 19 Aug 2020 19:59

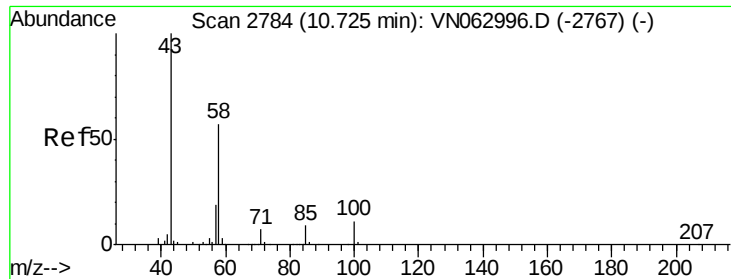
Tgt Ion: 63 Resp: 149056

Ion Ratio Lower Upper

63 100

106 25.7 20.7 31.1





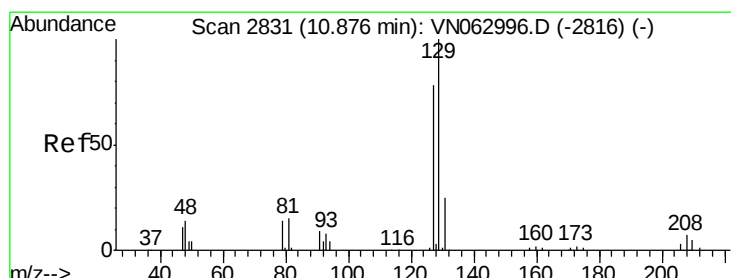
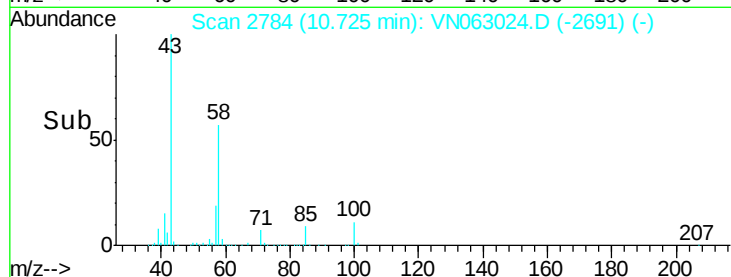
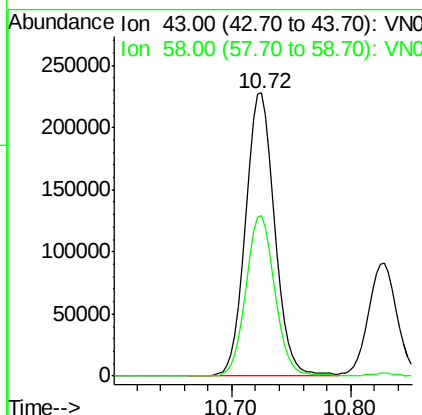
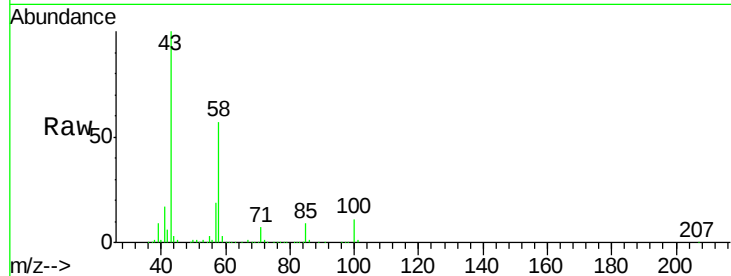
#59
2-Hexanone
Concen: 244.993 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	385947
Ion Ratio	43	100	
Lower	58	56.5	28.1
Upper			84.3

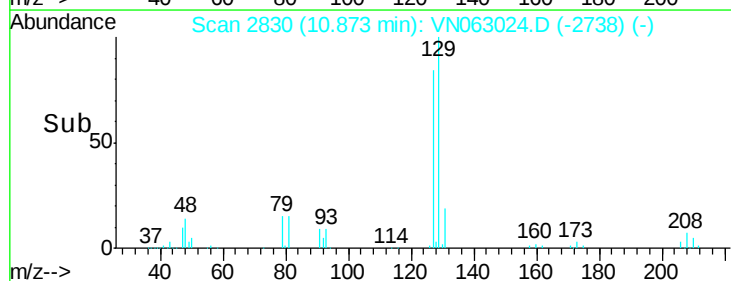
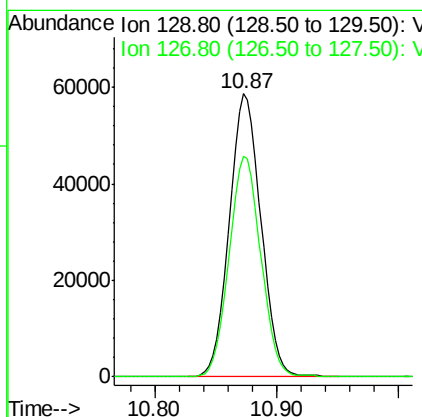
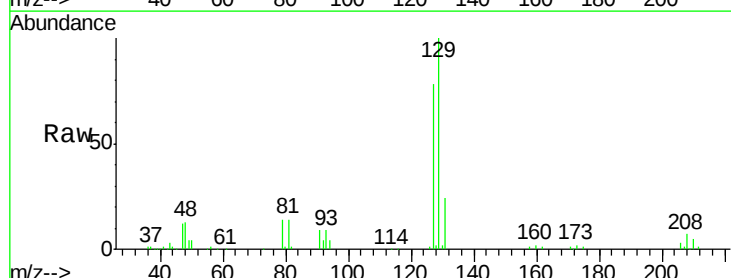
Manual Integrations
APPROVED

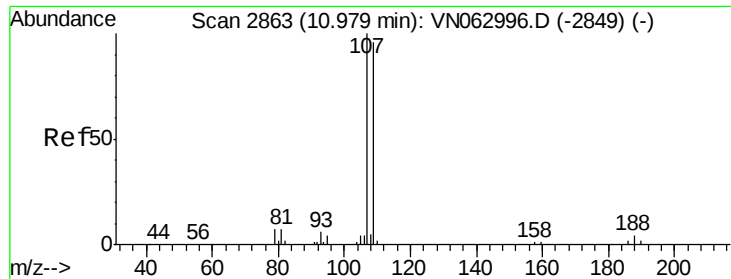
MMDadoda
8/20/2020 10:09:59 AM



#60
Dibromochloromethane
Concen: 50.896 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	129	Resp	106060
Ion Ratio	129	100	
Lower	127	77.9	38.4
Upper			115.2





#61

1,2-Dibromoethane

Concen: 52.579 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 95132

Ion Ratio Lower Upper

107 100

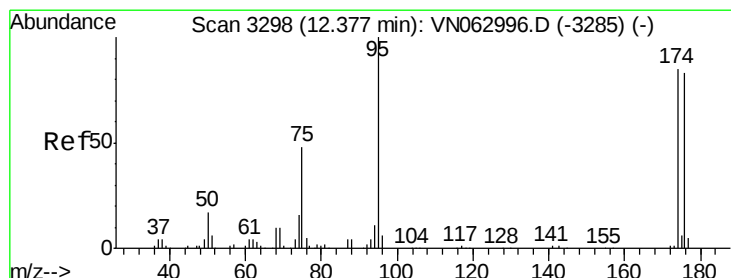
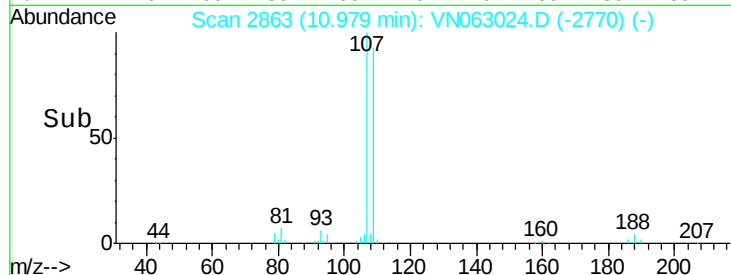
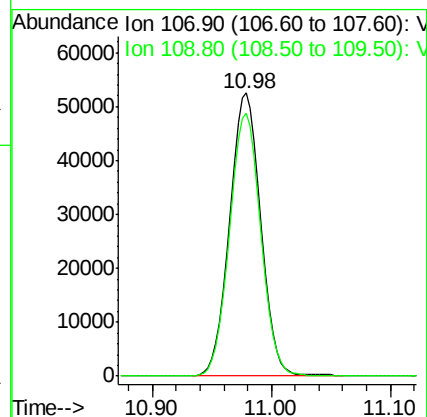
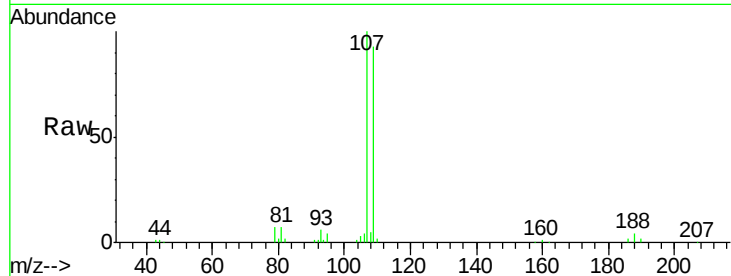
109 93.2 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



#62

4-Bromofluorobenzene

Concen: 52.082 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

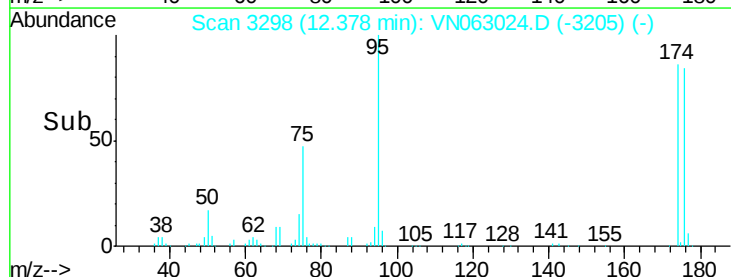
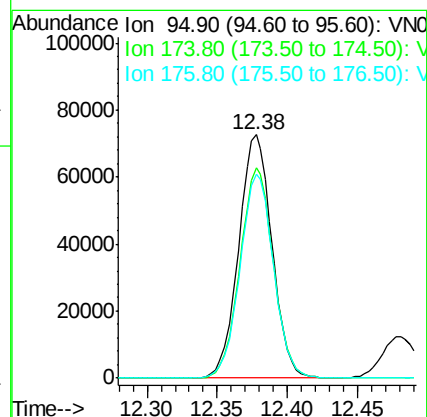
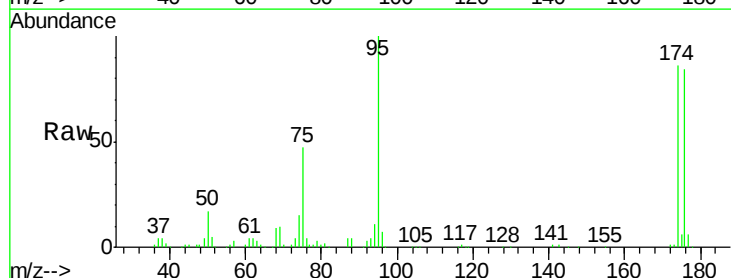
Tgt Ion: 95 Resp: 120144

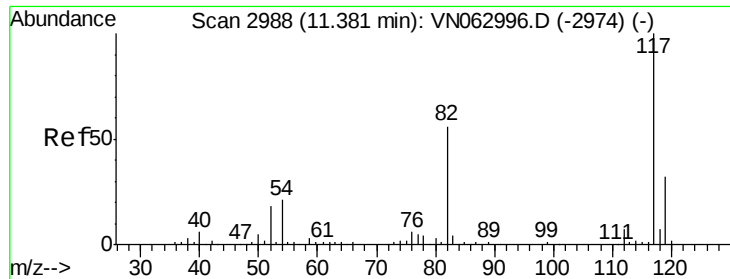
Ion Ratio Lower Upper

95 100

174 86.3 0.0 170.8

176 84.2 0.0 164.8





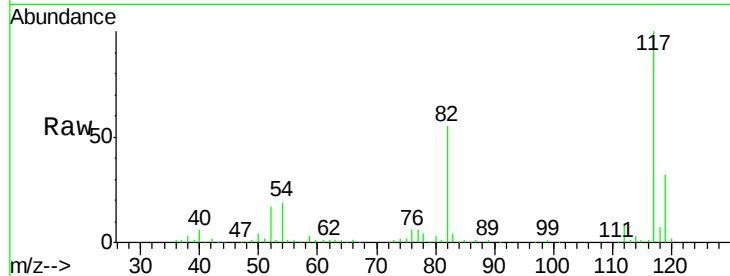
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.5	66.7
119	31.7	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM

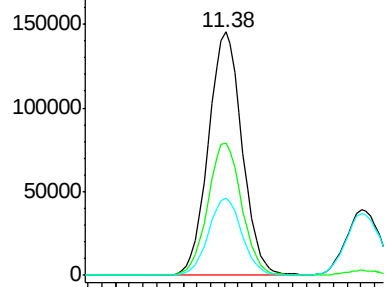


Abundance

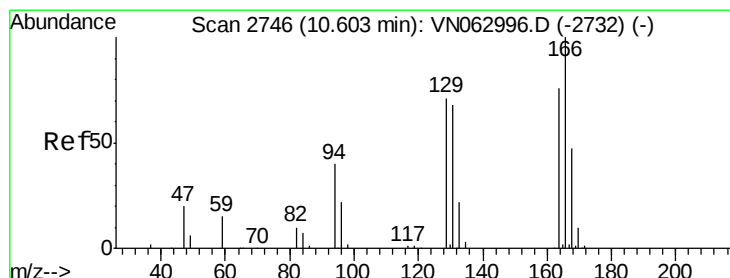
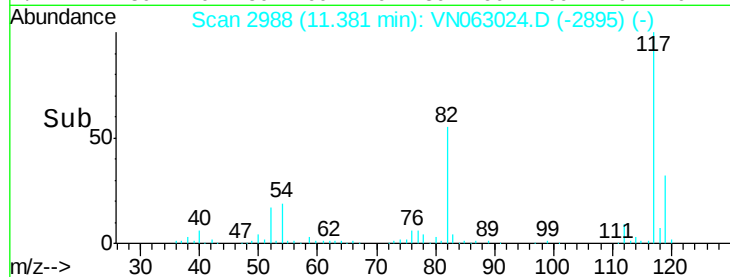
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#64
Tetrachloroethene
Concen: 50.417 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	105.0	157.6
129	91.7	74.7	112.1
131	87.9	71.0	106.4

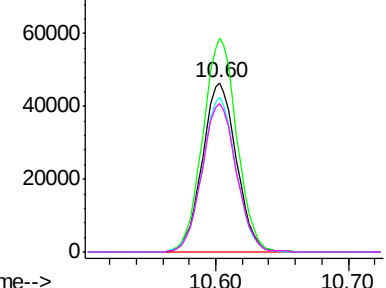
Abundance

Ion 163.80 (163.50 to 164.50): V

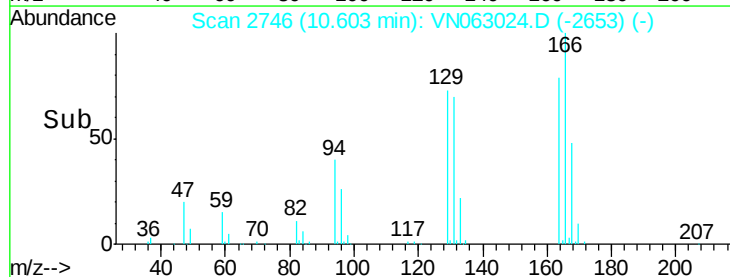
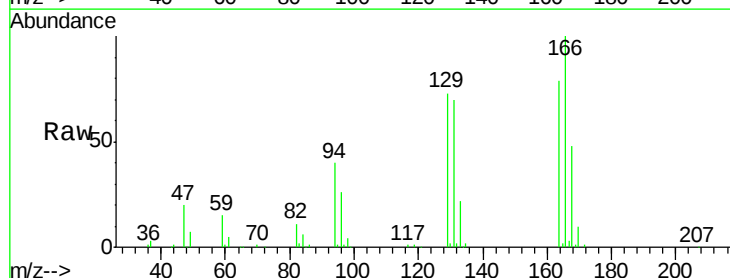
Ion 165.80 (165.50 to 166.50): V

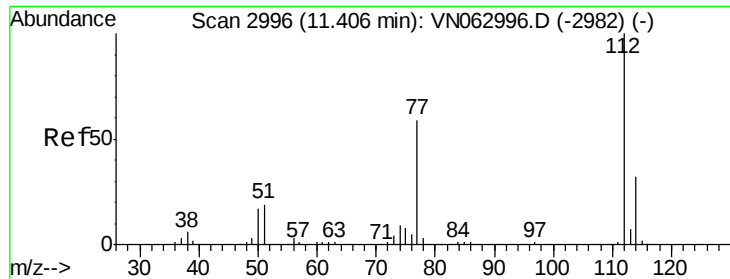
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->





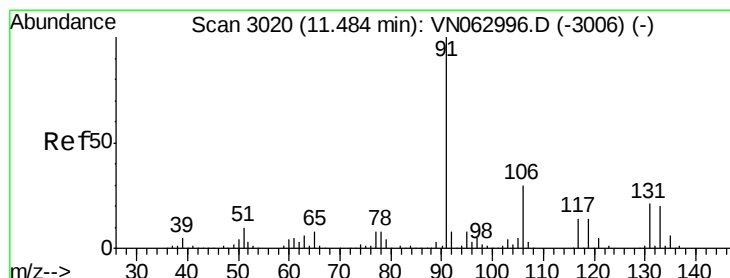
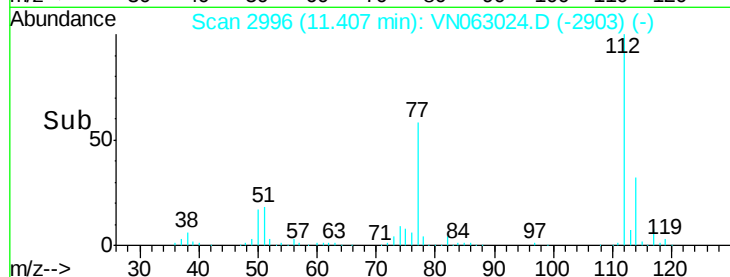
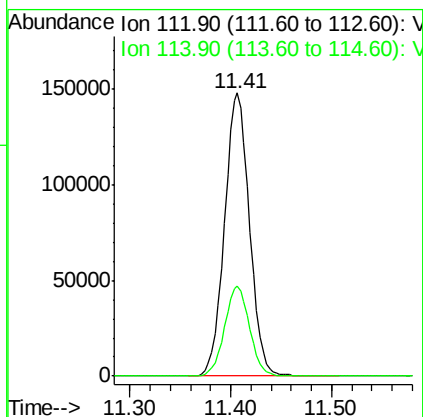
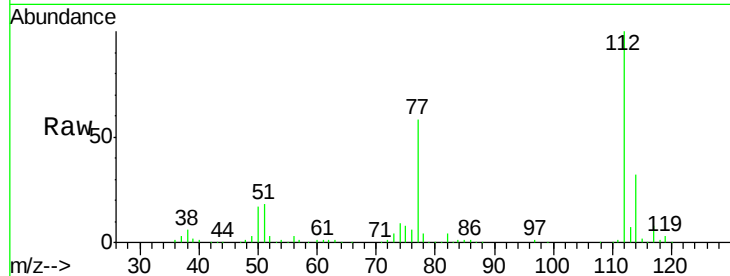
#65
Chlorobenzene
Concen: 50.885 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 254961
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

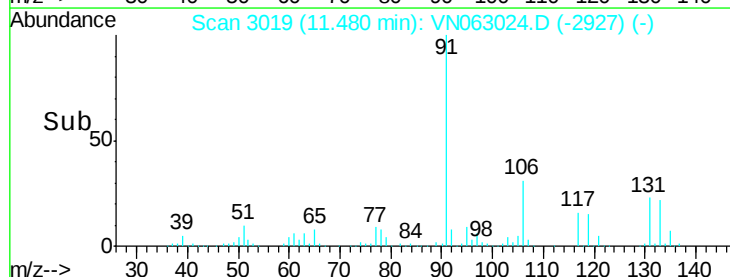
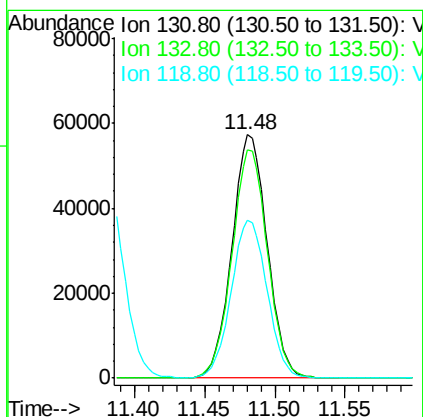
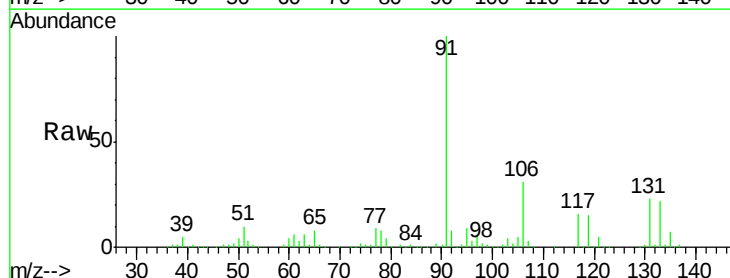
Manual Integrations
APPROVED

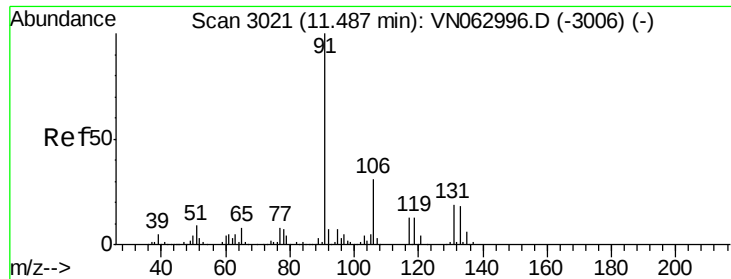
MMDadoda
8/20/2020 10:09:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.390 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion:131 Resp: 100153
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 66.4 33.1 99.3





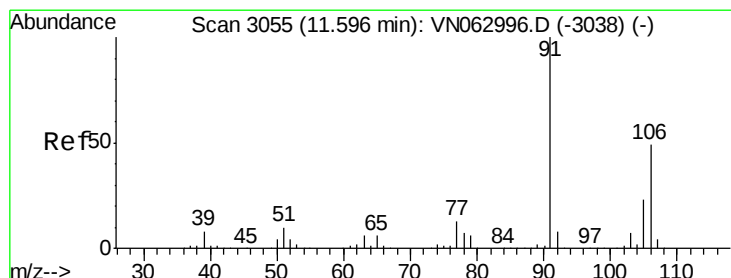
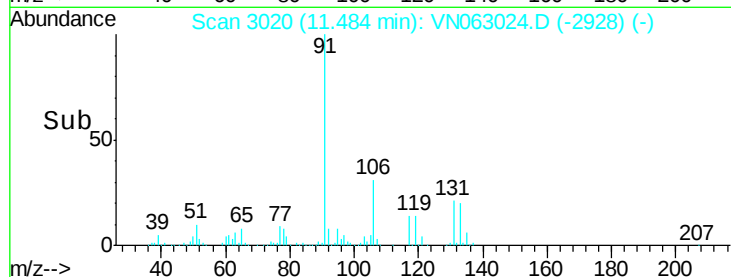
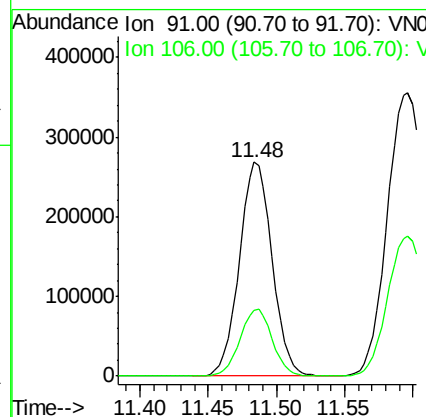
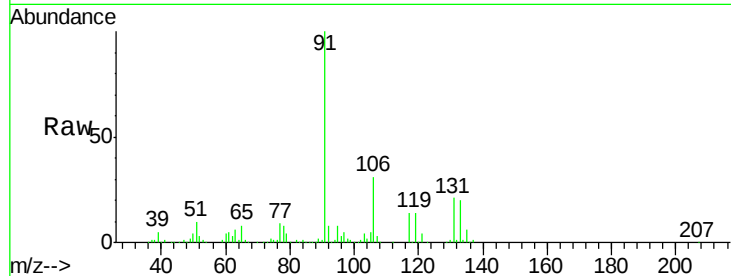
#67
Ethyl Benzene
Concen: 52.853 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 447470
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

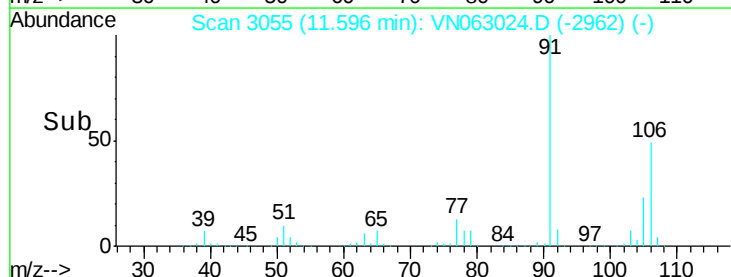
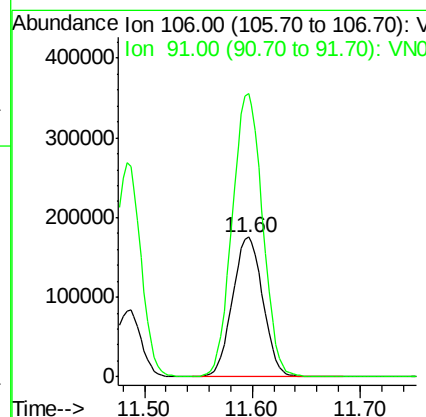
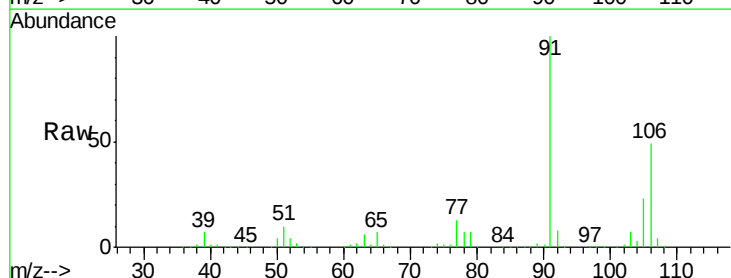
Manual Integrations
APPROVED

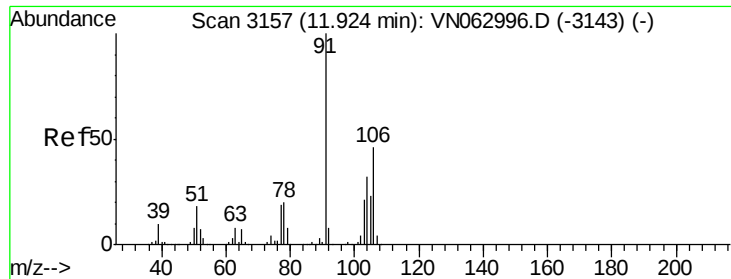
MMDadoda
8/20/2020 10:09:59 AM



#68
m/p-Xylenes
Concen: 109.558 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion: 106 Resp: 344741
Ion Ratio Lower Upper
106 100
91 202.4 163.0 244.4





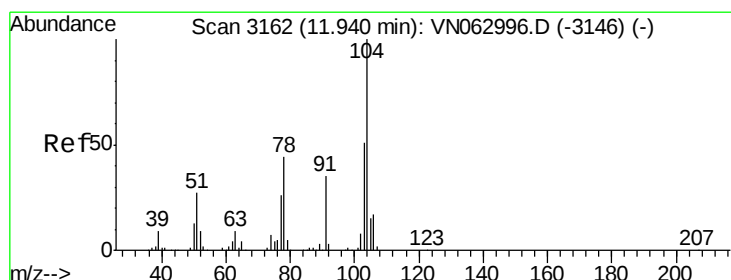
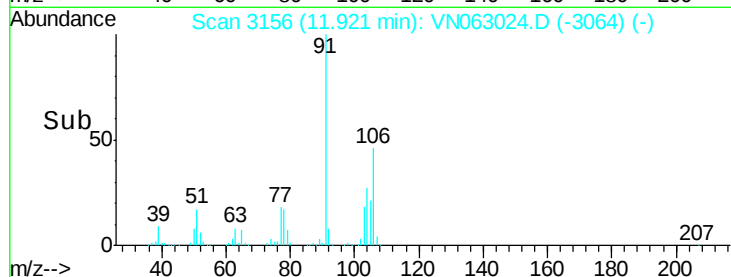
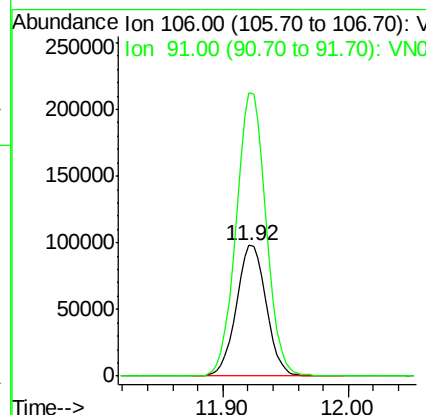
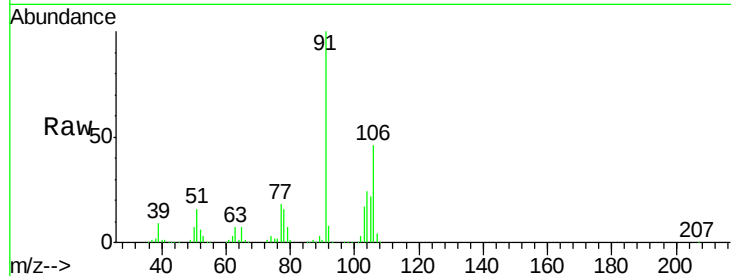
#69
o-Xylene
Concen: 53.825 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		162639		
91	216.1	107.3	321.9		

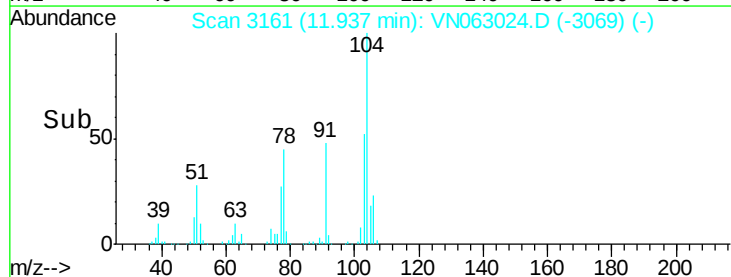
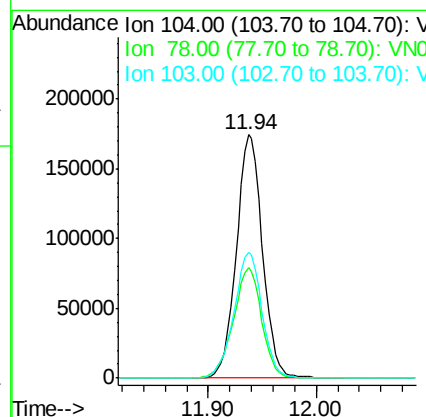
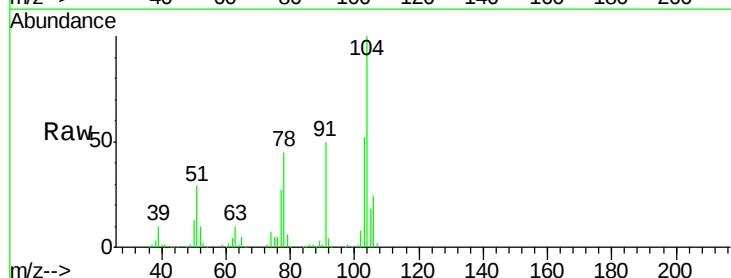
Manual Integrations
APPROVED

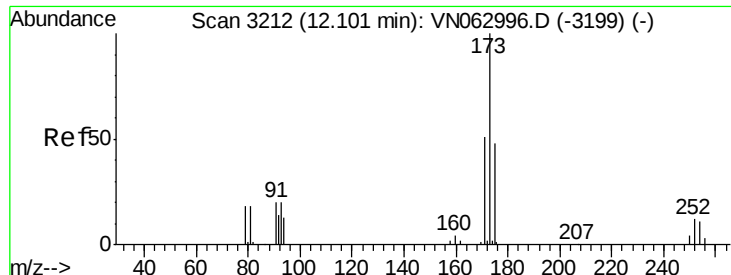
MMDadoda
8/20/2020 10:09:59 AM



#70
Styrene
Concen: 49.176 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		294678		
78	49.5	39.0	58.6		
103	55.4	44.3	66.5		





#71

Bromoform

Concen: 51.986 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 80643

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.8

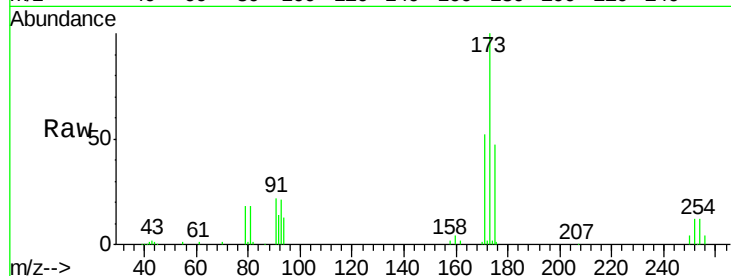
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

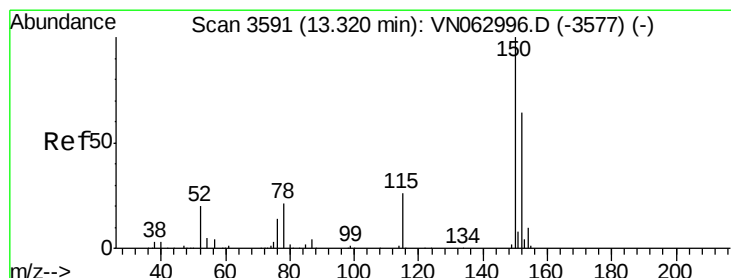
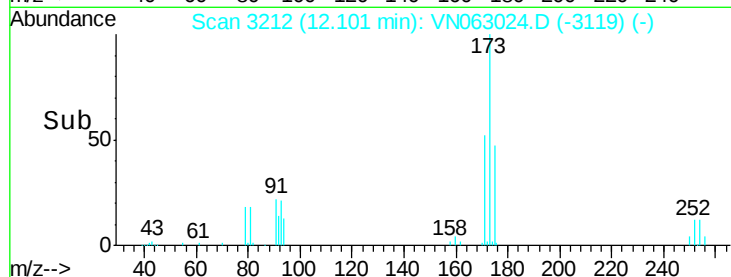
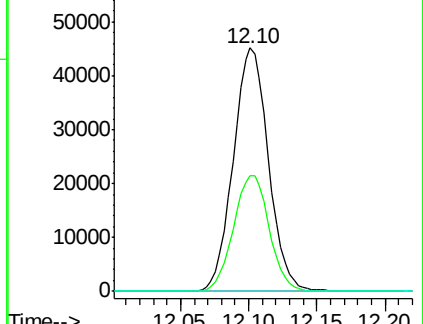
8/20/2020 10:09:59 AM



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# 3591

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

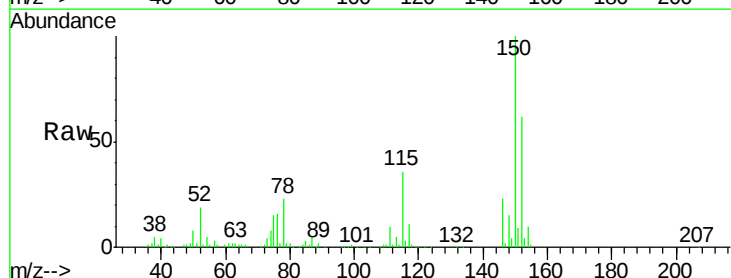
Tgt Ion:152 Resp: 127273

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.3

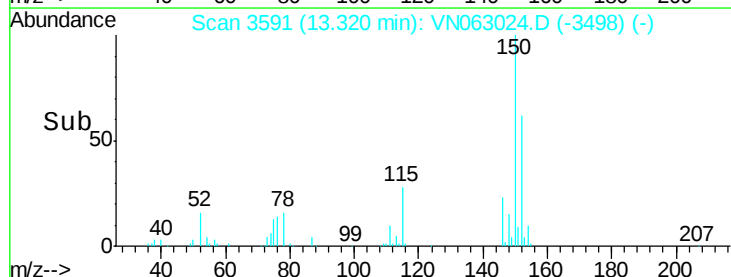
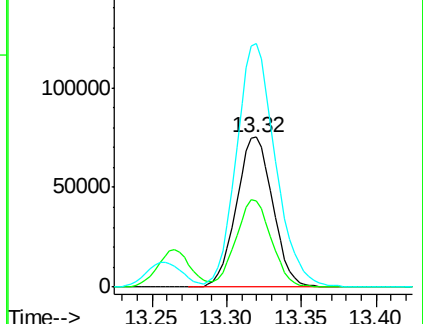
150 174.4 0.0 348.8

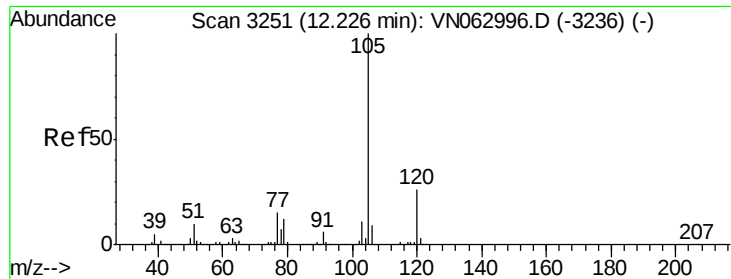


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.670 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 450335

Ion Ratio Lower Upper

105 100

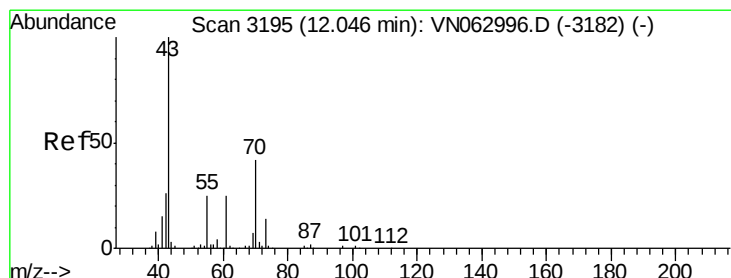
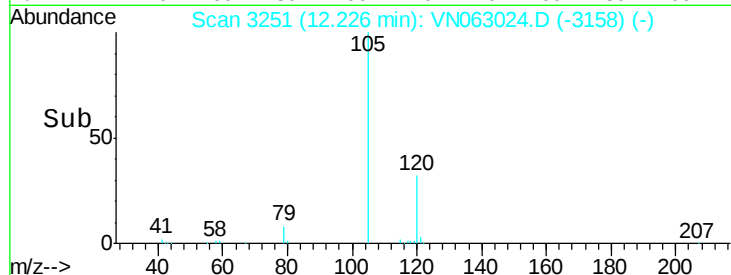
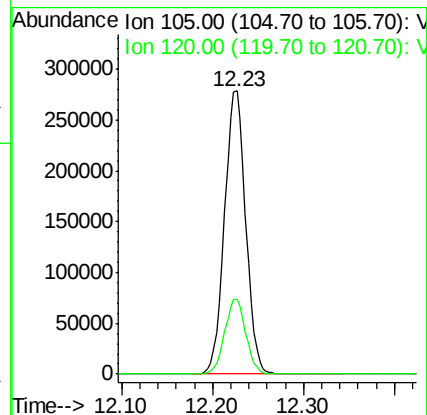
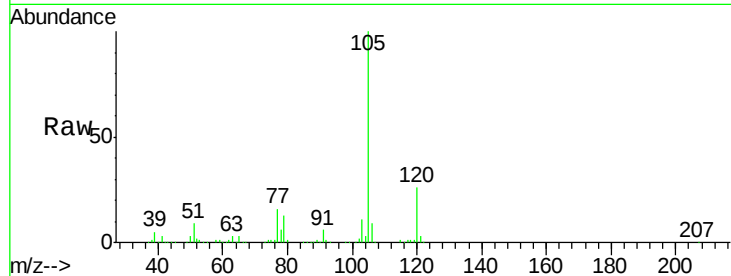
120 26.4 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



#74

N-ethyl acetate

Concen: 52.079 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Tgt Ion: 43 Resp: 162565

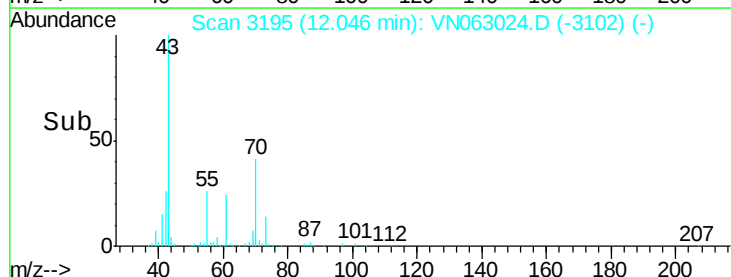
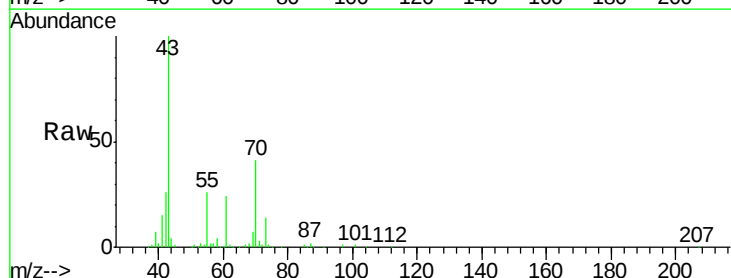
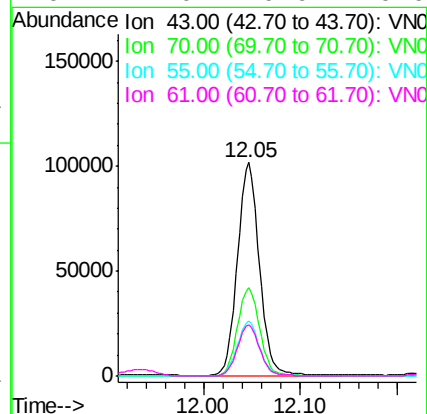
Ion Ratio Lower Upper

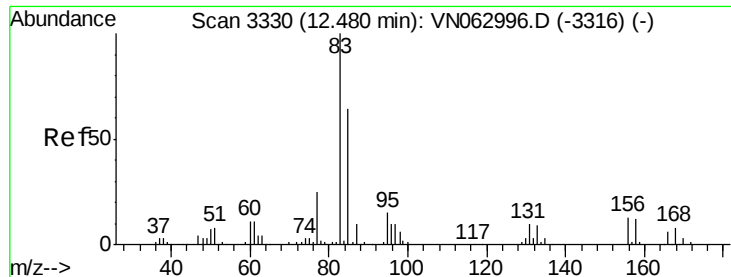
43 100

70 41.8 33.4 50.0

55 26.0 20.2 30.2

61 24.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.398 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 141706

Ion Ratio Lower Upper

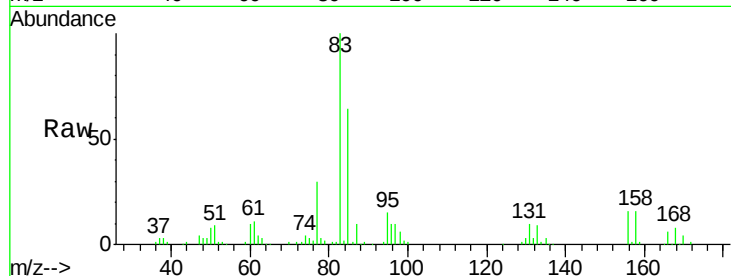
83 100

131 10.0 4.9 14.7

85 64.4 31.9 95.5

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM

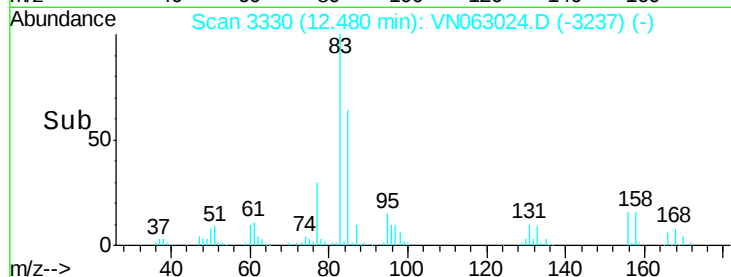


Abundance Ion 82.90 (82.60 to 83.60): VN063024.D (-3237) (-)

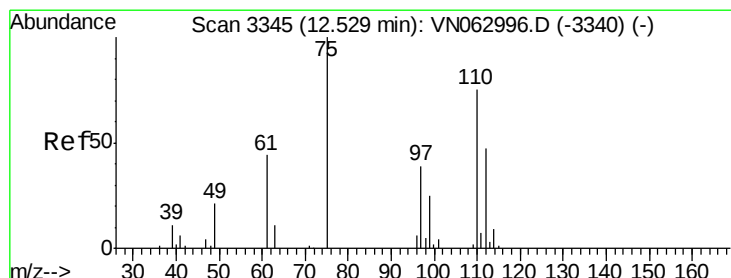
Ion 130.80 (130.50 to 131.50): VN063024.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN063024.D (-3237) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 47.956 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN063024.D

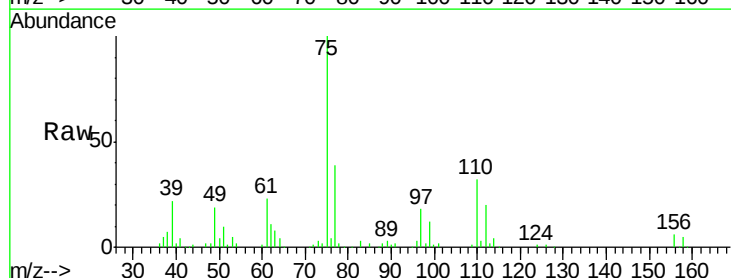
Acq: 19 Aug 2020 19:59

Tgt Ion: 75 Resp: 118639

Ion Ratio Lower Upper

75 100

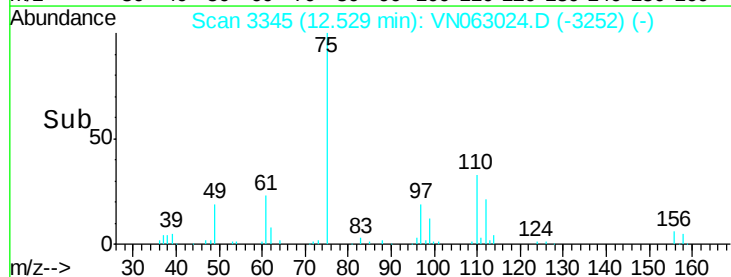
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063024.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN063024.D (-3252) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

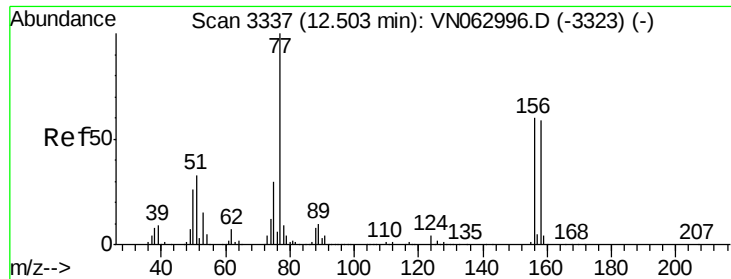
Time-->

Time-->

Time-->

Time-->

Time-->



#77

Bromobenzene

Concen: 49.251 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

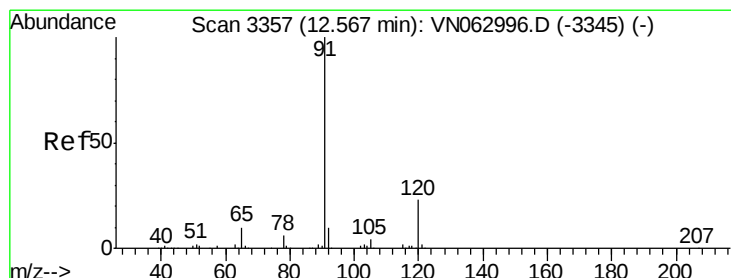
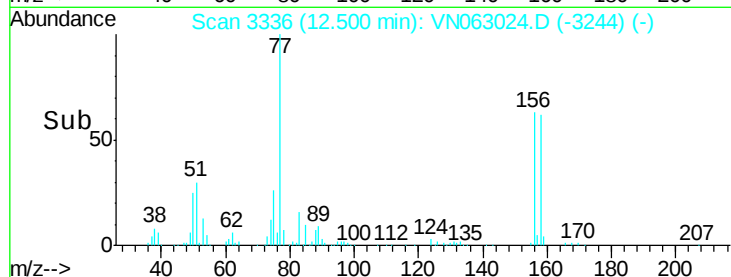
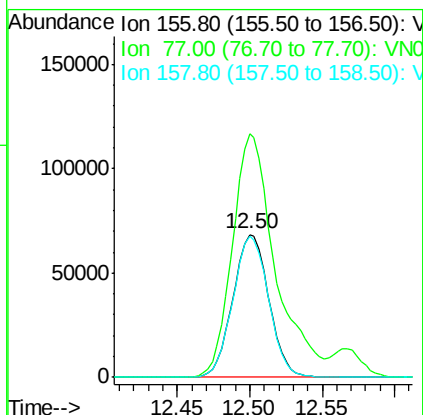
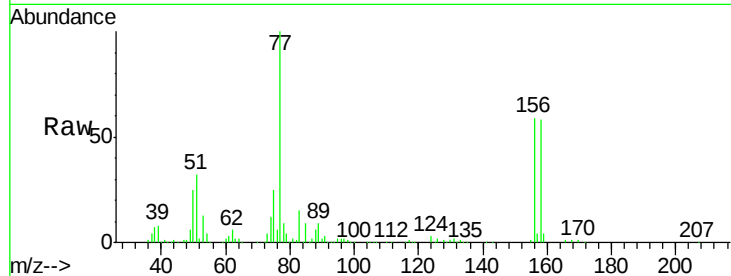
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	118058
Ion Ratio	Lower	Upper	
156	100		
77	202.9	101.0	302.9
158	98.5	49.4	148.0

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM



#78

n-propylbenzene

Concen: 53.431 ug/l

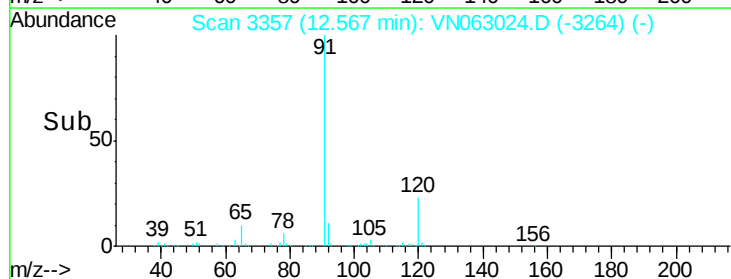
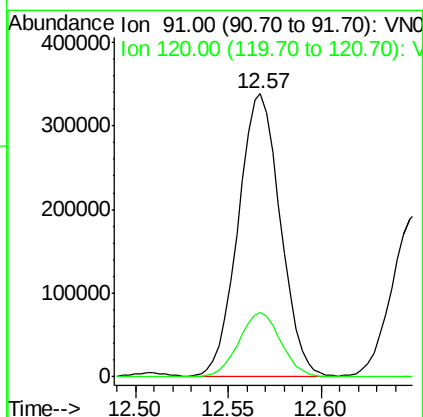
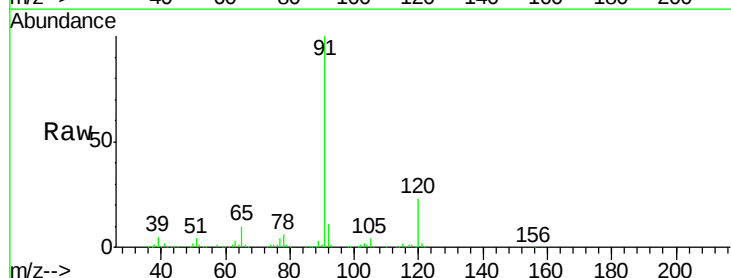
RT: 12.57 min Scan# 3357

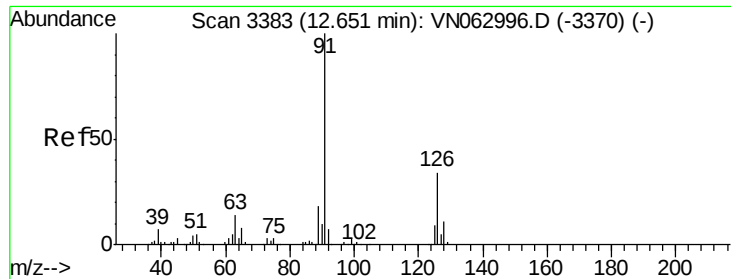
Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Tgt Ion:	91	Resp:	530805
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 50.580 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 316054

Ion Ratio Lower Upper

91 100

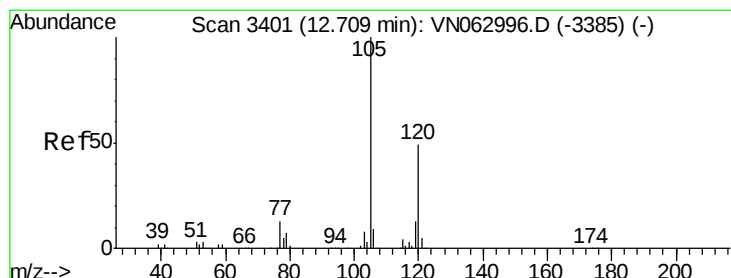
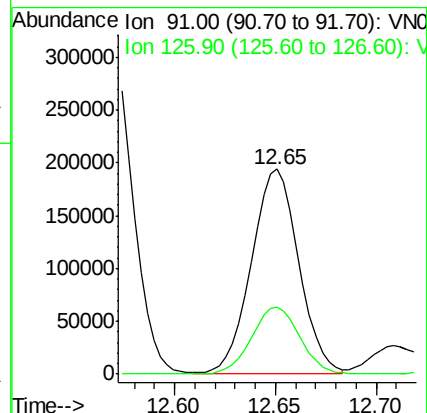
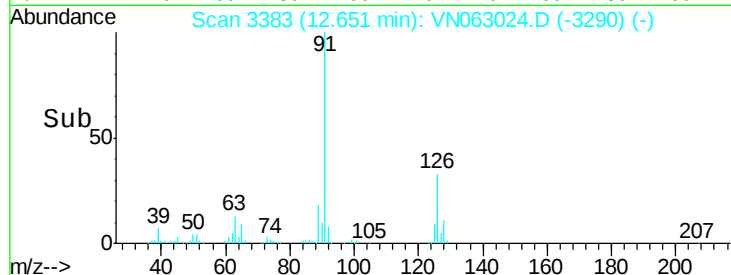
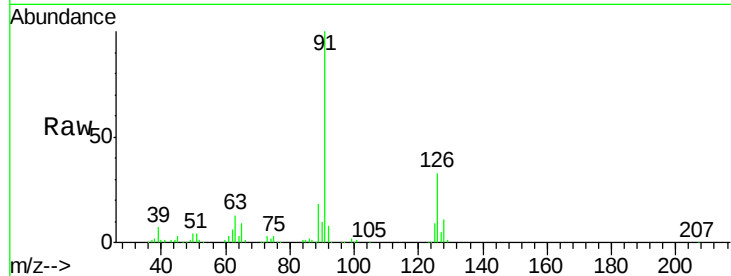
126 33.8 17.1 51.2

Manual Integrations

APPROVED

MMDadoda

8/20/2020 10:09:59 AM



#80

1,3,5-Trimethylbenzene

Concen: 54.188 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063024.D

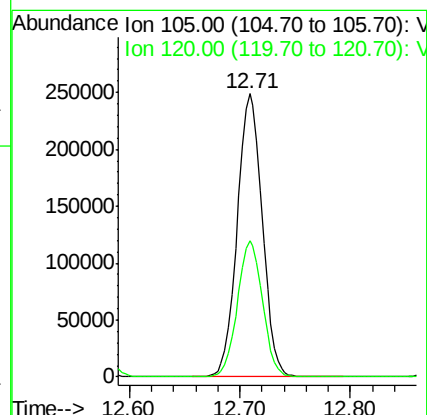
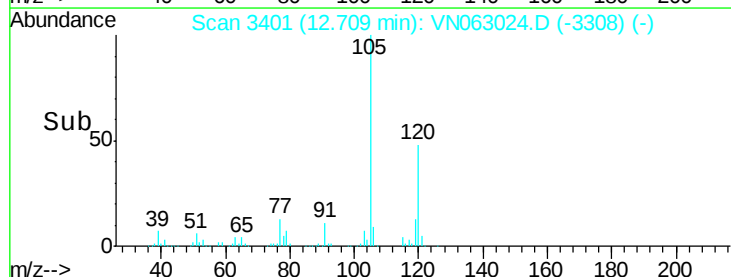
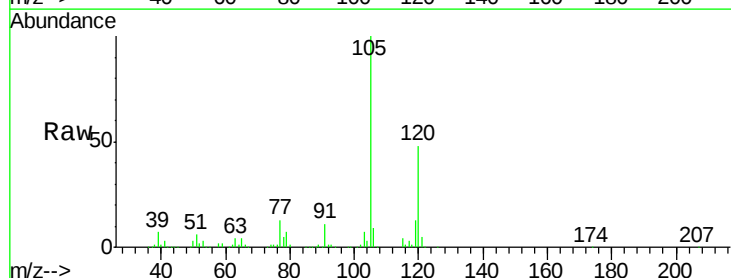
Acq: 19 Aug 2020 19:59

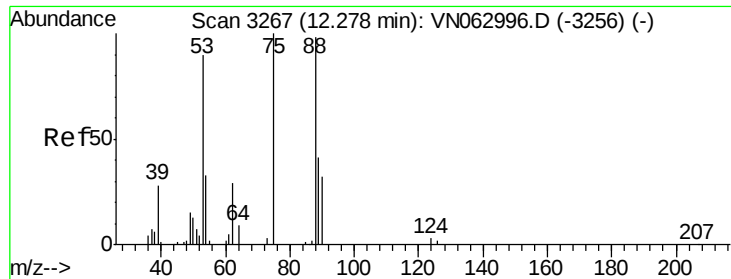
Tgt Ion: 105 Resp: 390418

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.215 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Instrument :

MSVOA_N

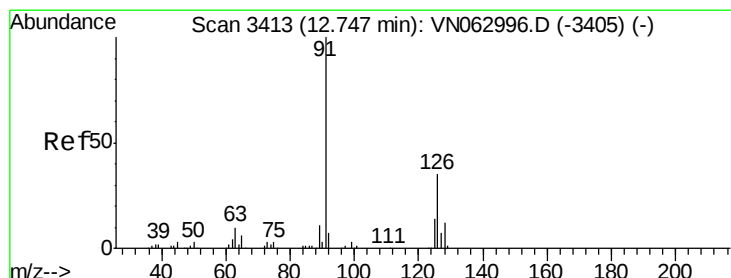
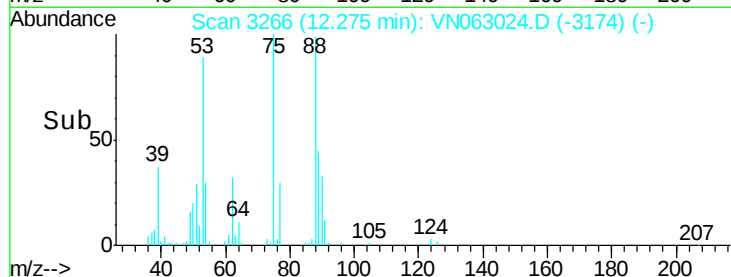
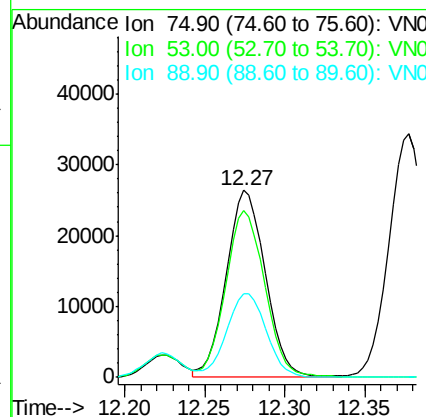
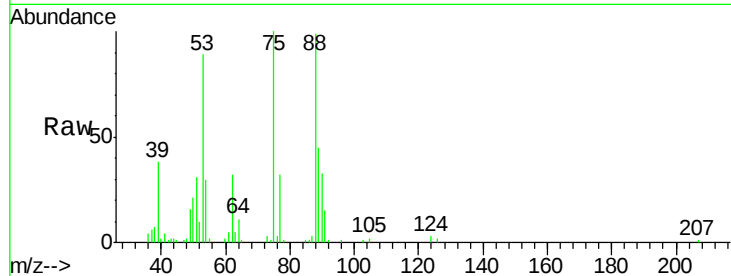
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	44331
Ion Ratio	Lower	Upper	
75	100		
53	88.8	69.2	103.8
89	44.9	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM



#82

4-Chlorotoluene

Concen: 52.131 ug/l

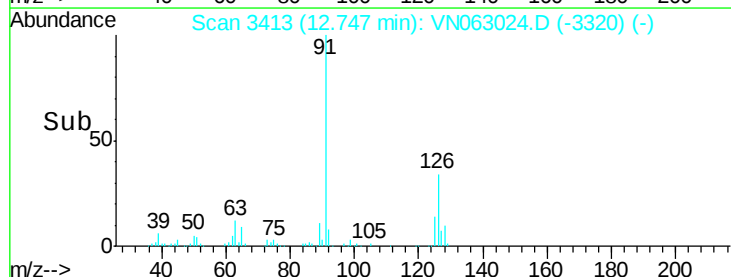
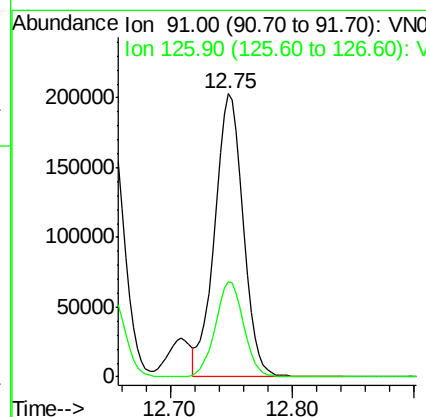
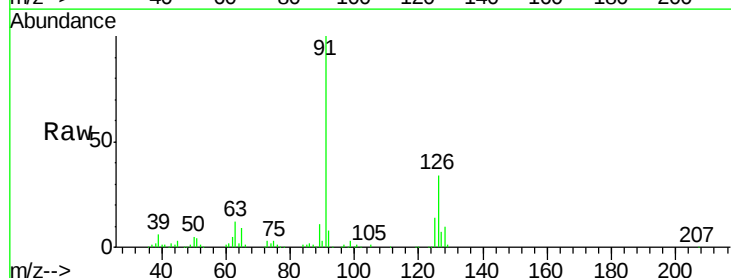
RT: 12.75 min Scan# 3413

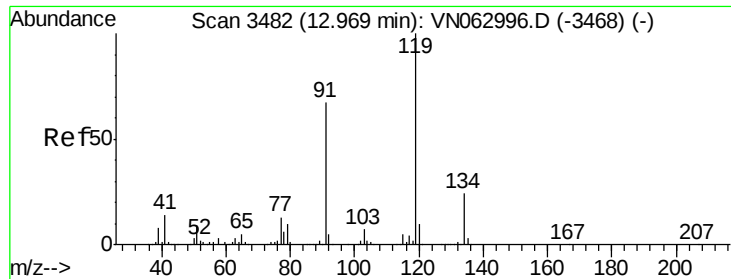
Delta R.T. 0.00 min

Lab File: VN063024.D

Acq: 19 Aug 2020 19:59

Tgt Ion:	91	Resp:	331693
Ion Ratio	Lower	Upper	
91	100		
126	33.6	16.5	49.5





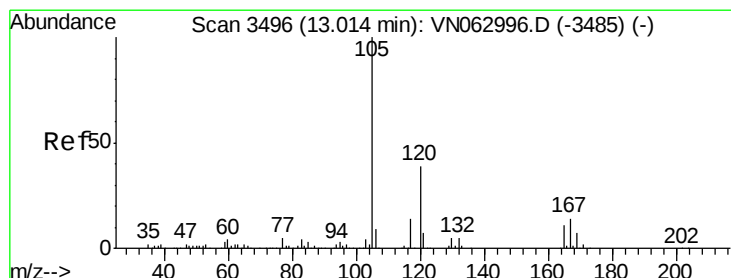
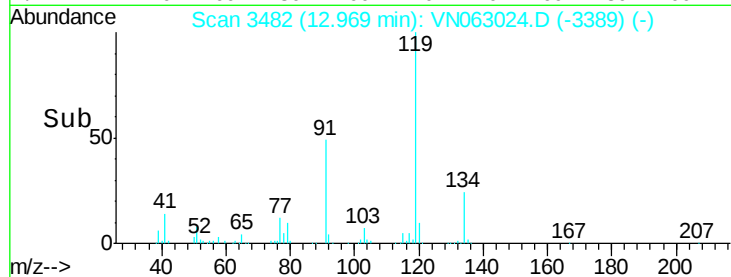
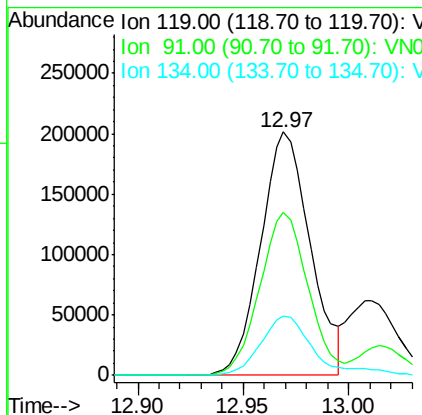
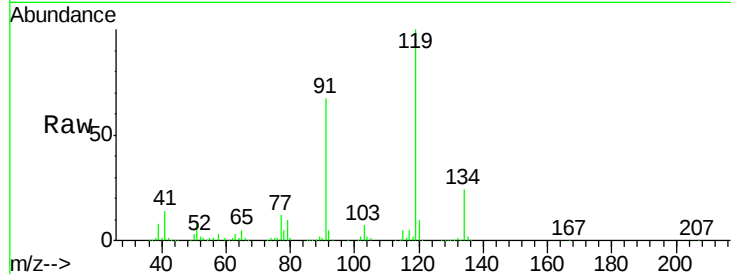
#83
 tert-Butylbenzene
 Concen: 53.082 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.5	97.4
134	26.1	13.1	39.3

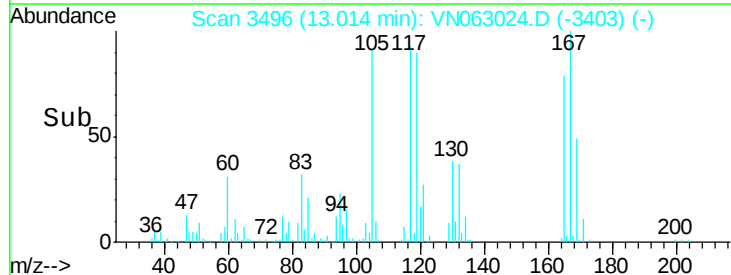
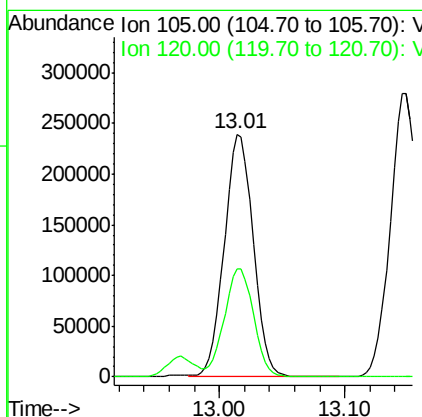
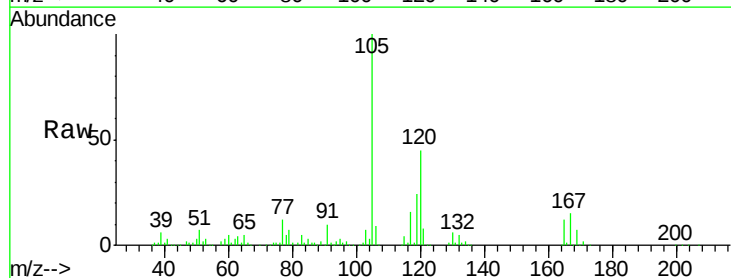
Manual Integrations
 APPROVED

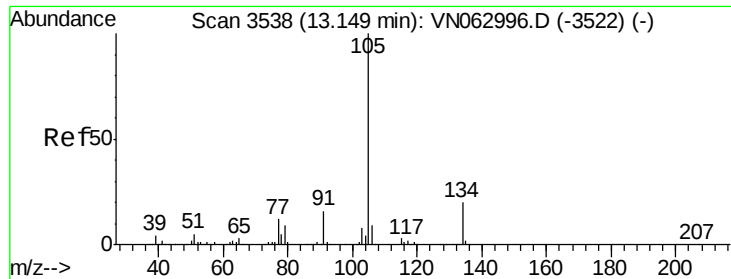
MMDadoda
 8/20/2020 10:09:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.397 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.5	67.5





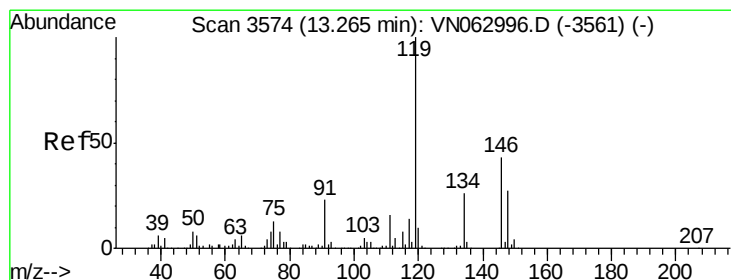
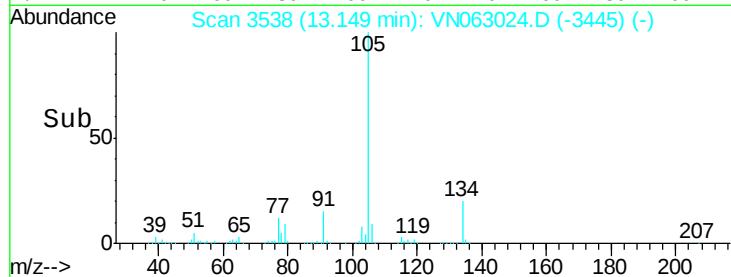
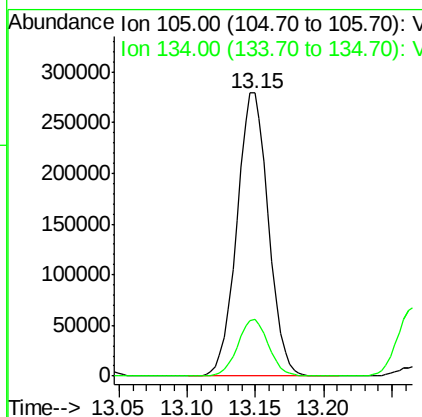
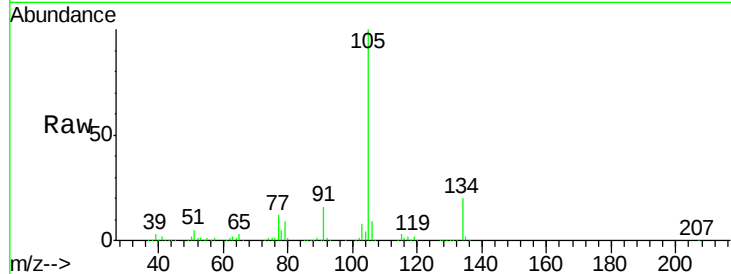
#85
 sec-Butylbenzene
 Concen: 52.923 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

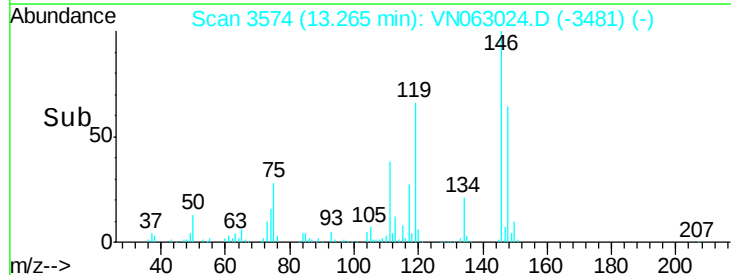
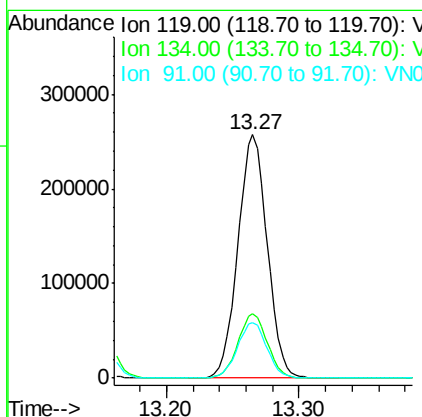
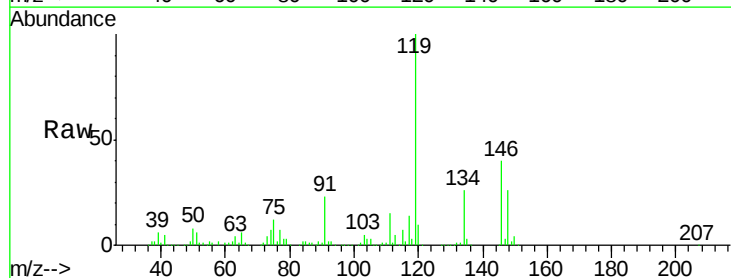
Manual Integrations
 APPROVED

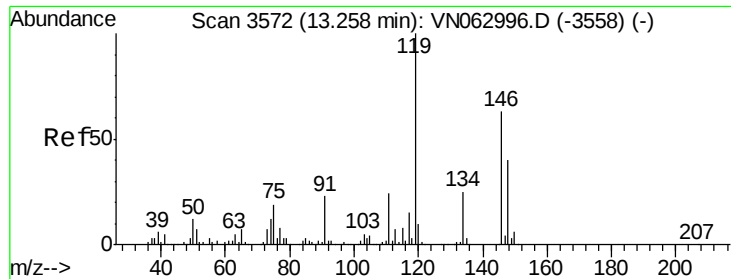
MMDadoda
 8/20/2020 10:09:59 AM



#86
 p-Isopropyltoluene
 Concen: 53.646 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.3
91	23.0	11.5	34.4





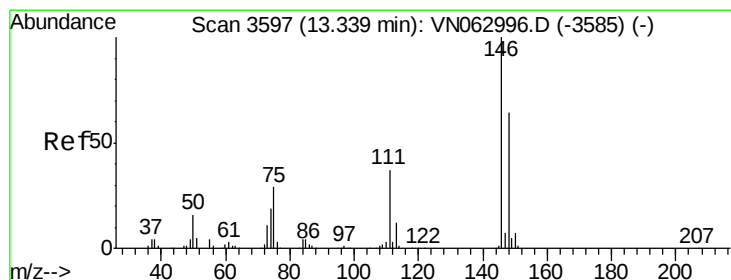
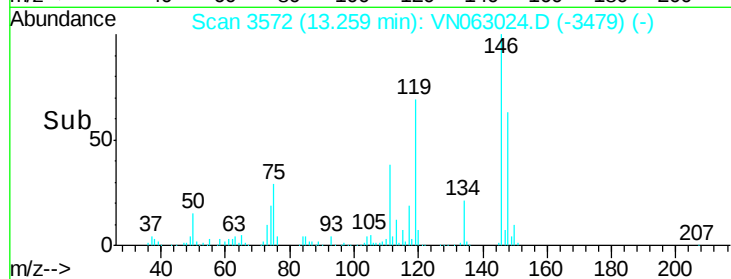
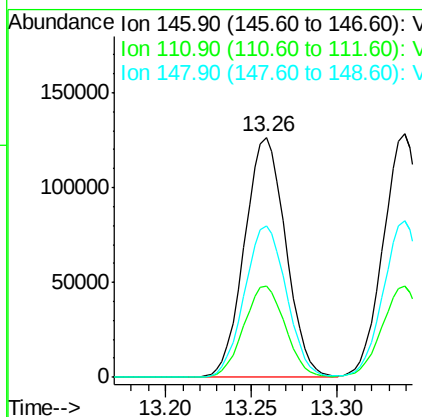
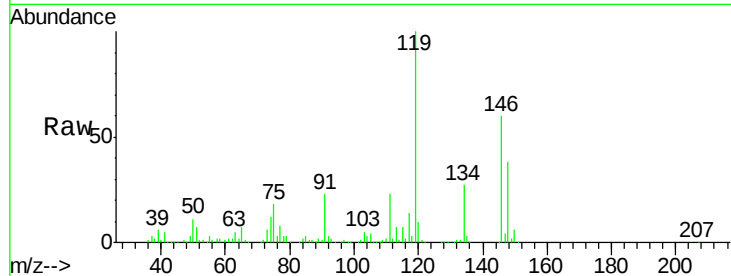
#87
 1,3-Dichlorobenzene
 Concen: 51.191 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	63.9	32.0	96.0

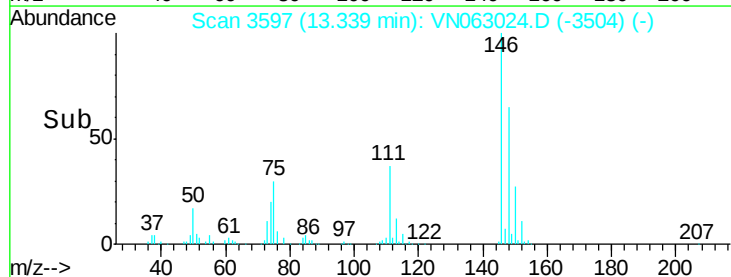
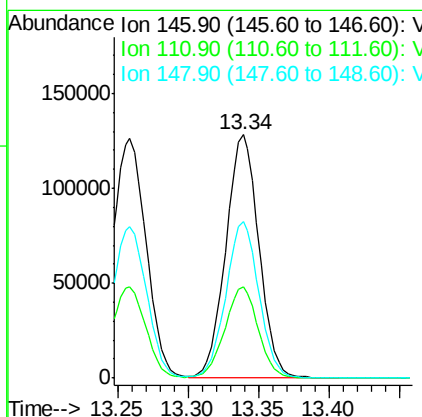
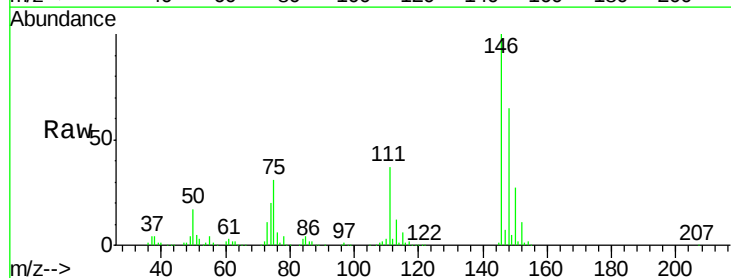
Manual Integrations
 APPROVED

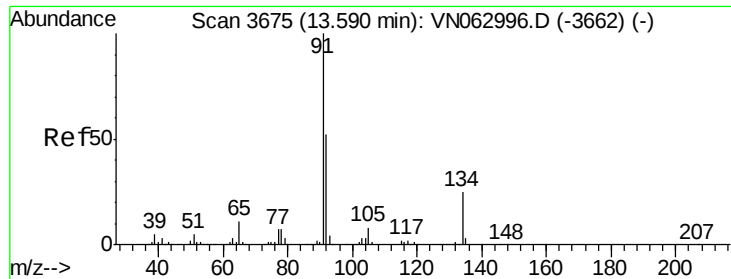
MMDadoda
 8/20/2020 10:09:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.161 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.7	32.4	97.0





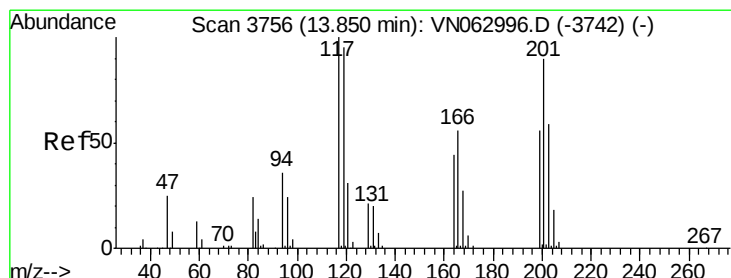
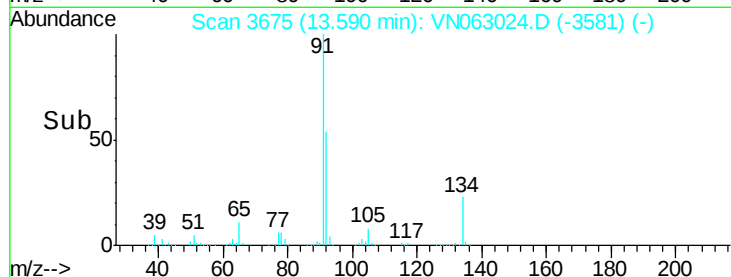
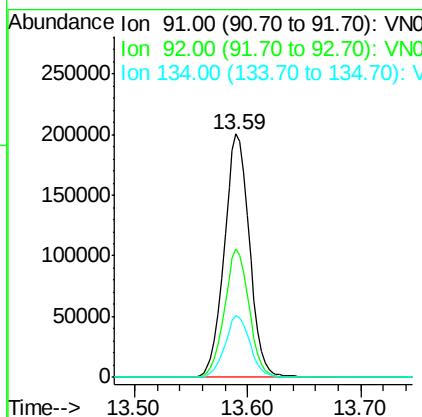
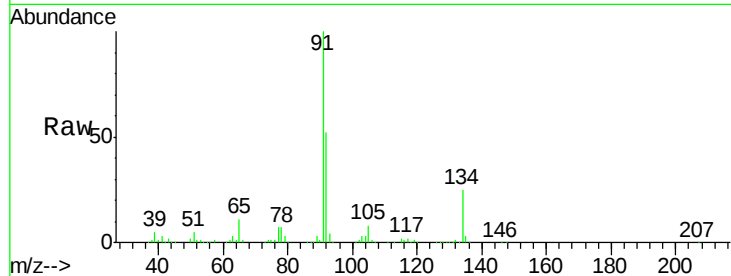
#89
n-Butylbenzene
Concen: 44.990 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.6
134	25.1	12.4	37.0

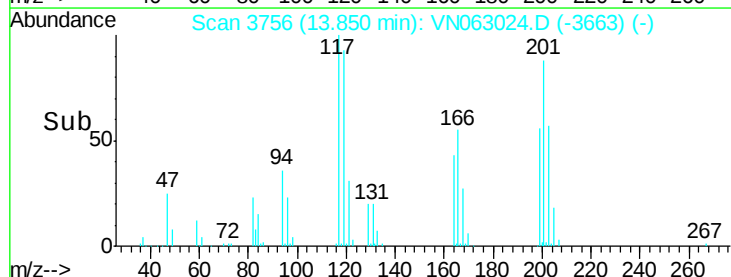
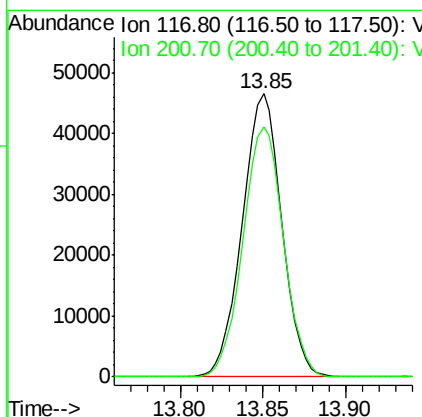
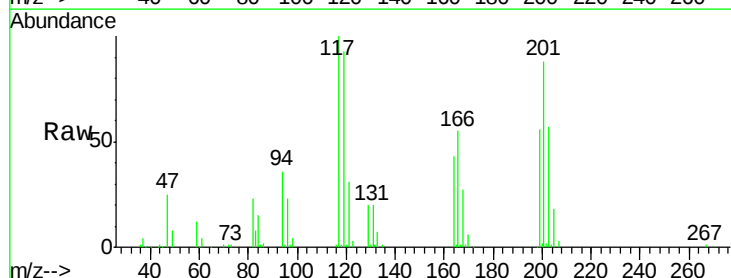
Manual Integrations
APPROVED

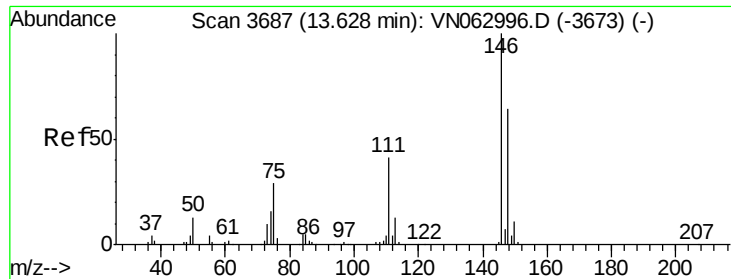
MMDadoda
8/20/2020 10:09:59 AM



#90
Hexachloroethane
Concen: 49.664 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	44.1	132.4





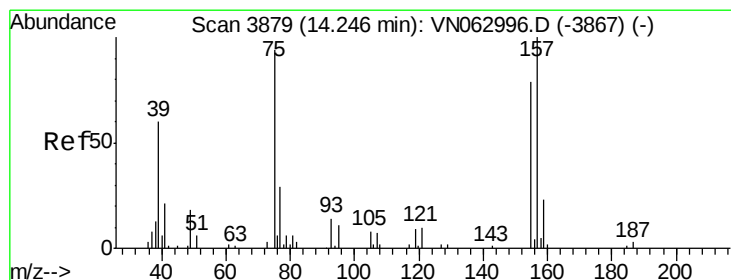
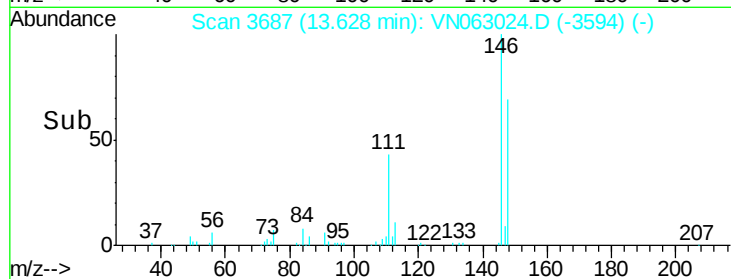
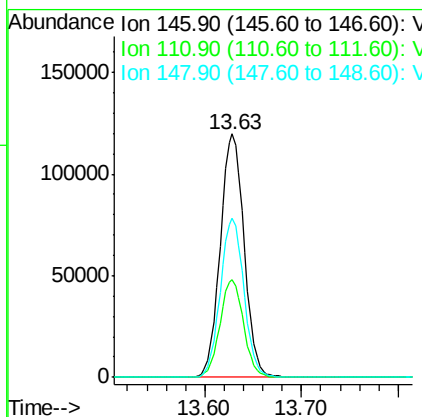
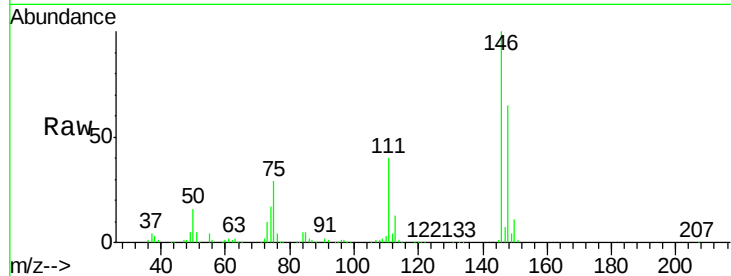
#91
 1,2-Dichlorobenzene
 Concen: 51.470 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.2	60.5
148	64.7	31.9	95.5

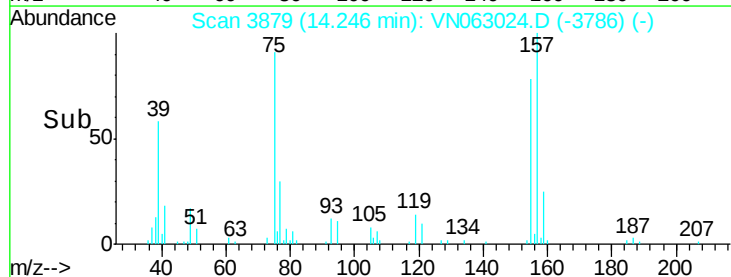
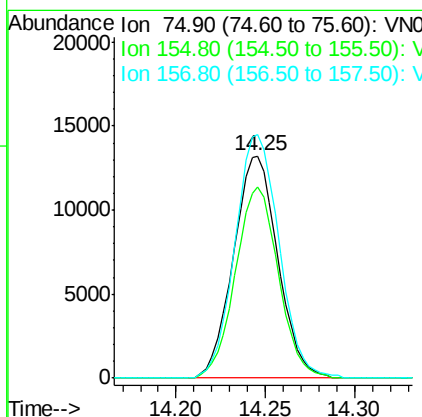
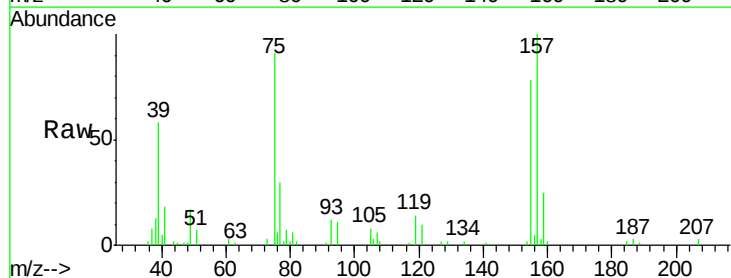
Manual Integrations
 APPROVED

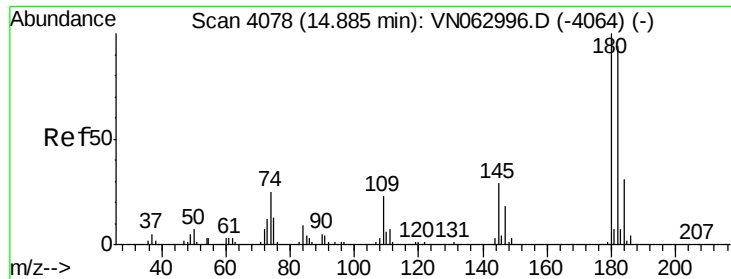
MMDadoda
 8/20/2020 10:09:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.071 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	42.4	127.1
157	108.8	55.2	165.6





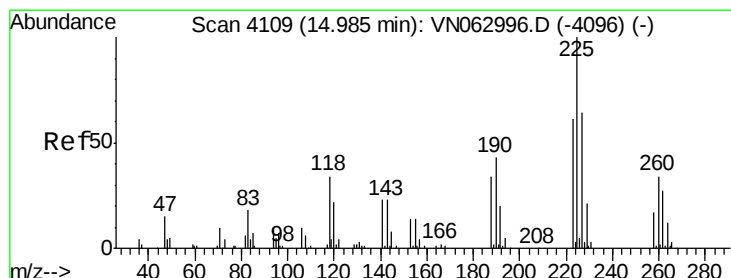
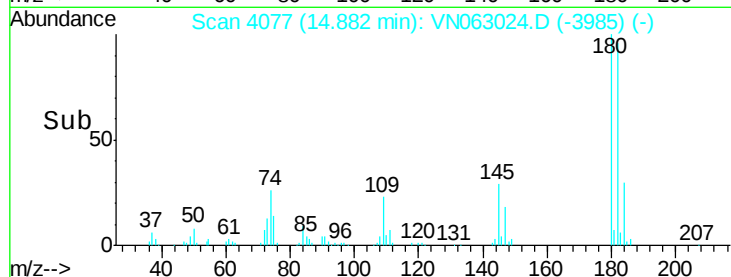
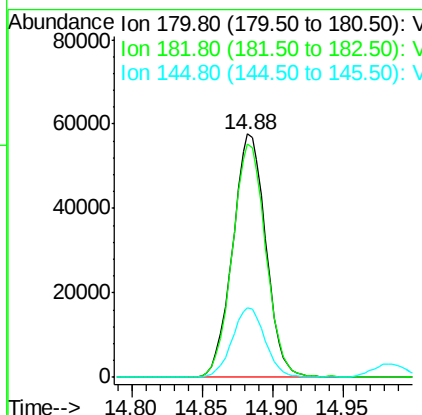
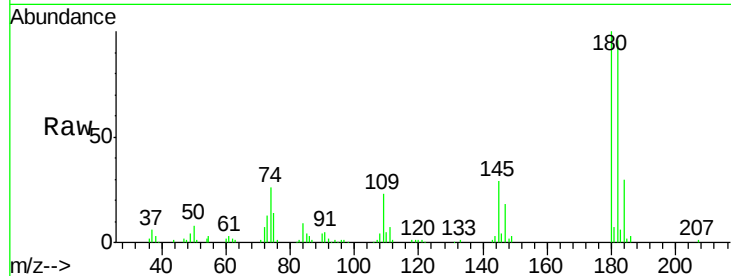
#93
 1,2,4-Trichlorobenzene
 Concen: 43.772 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.2
145	28.3	14.1	42.4

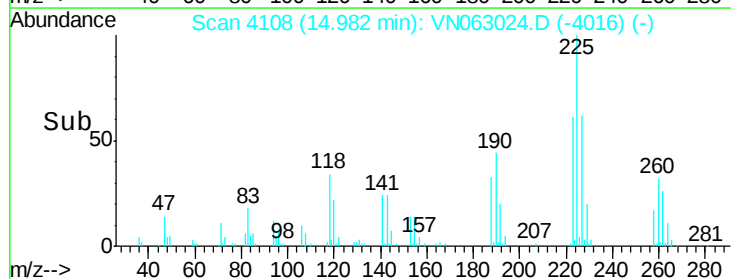
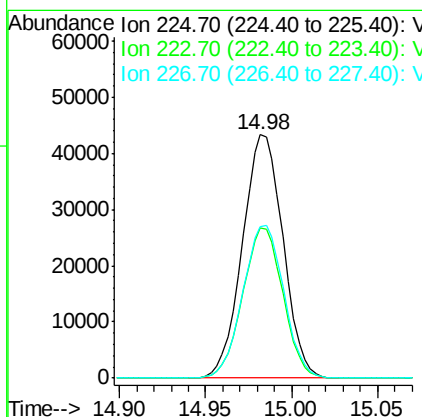
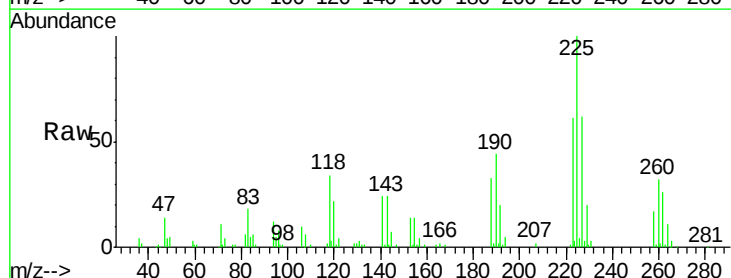
Manual Integrations
 APPROVED

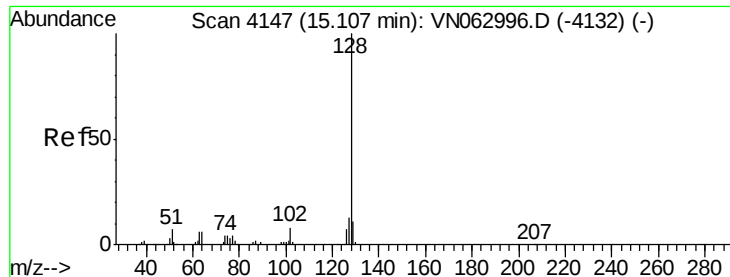
MMDadoda
 8/20/2020 10:09:59 AM



#94
 Hexachlorobutadiene
 Concen: 48.308 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063024.D
 Acq: 19 Aug 2020 19:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.9	92.5
227	63.1	31.9	95.9





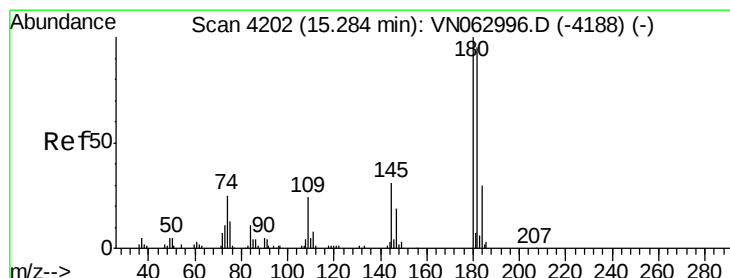
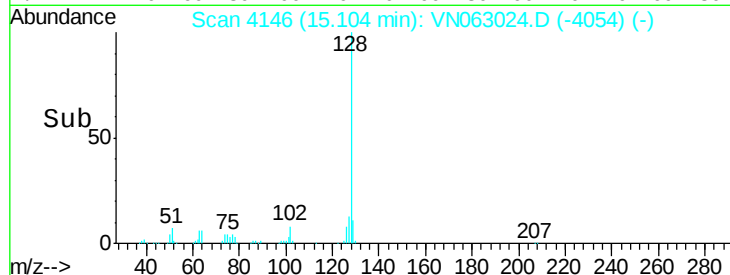
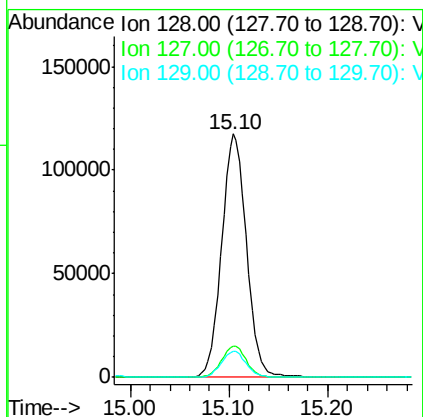
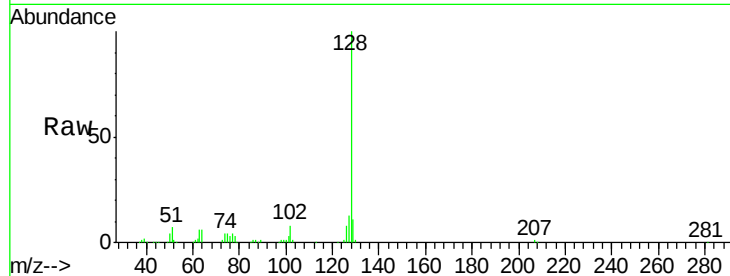
#95
Naphthalene
Concen: 41.983 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	208017
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.338 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063024.D
Acq: 19 Aug 2020 19:59

Tgt Ion:	180	Resp:	94819
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.9
145	29.8	15.6	46.7

