

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062151.D
 Acq On : 26 Jun 2020 19:51
 Operator : JC/MD
 Sample : L3020-18MS
 Misc : 5.10µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:42 PM

Quant Time: Jun 27 06:17:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	229376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	419792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	253653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	156369	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.54	113	125490	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
50) Toluene-d8	10.06	98	573273	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.37	95	301314	82.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	108036	41.669	ug/l	99
3) Chloromethane	2.03	50	128217	41.786	ug/l	100
4) Vinyl Chloride	2.16	62	152465	37.342	ug/l	100
5) Bromomethane	2.48	94	28737	10.890	ug/l	99
6) Chloroethane	2.62	64	13245	4.749	ug/l	93
7) Trichlorofluoromethane	2.91	101	252735	50.235	ug/l	98
8) Diethyl Ether	3.36	74	85326	48.570	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.68	101	120193	45.621	ug/l	99
10) Methyl Iodide	3.88	142	123318	41.562	ug/l	99
11) Tert butyl alcohol	4.81	59	105816m	228.957	ug/l	
12) 1,1-Dichloroethene	3.66	96	122035	46.334	ug/l	97
13) Acrolein	3.56	56	114242	252.476	ug/l	98
14) Allyl chloride	4.26	41	168823	47.080	ug/l	98
15) Acrylonitrile	4.93	53	302491	240.183	ug/l	100
16) Acetone	3.78	43	238894	236.218	ug/l	97
17) Carbon Disulfide	3.98	76	335677	44.502	ug/l	99
18) Methyl Acetate	4.27	43	131060	51.219	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	411669	48.915	ug/l	97
20) Methylene Chloride	4.49	84	145622	49.278	ug/l	99
21) trans-1,2-Dichloroethene	4.97	96	133634	44.539	ug/l	94
22) Diisopropyl ether	5.90	45	397021	48.627	ug/l	97
23) Vinyl Acetate	5.84	43	1631651	244.772	ug/l	100
24) 1,1-Dichloroethane	5.78	63	244322	46.470	ug/l	98
25) 2-Butanone	6.79	43	372057	236.472	ug/l	99
26) 2,2-Dichloropropane	6.77	77	174616	39.856	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	174166	51.586	ug/l	98
28) Bromochloromethane	7.14	49	105123	46.083	ug/l	98
29) Tetrahydrofuran	7.17	42	247391	240.039	ug/l	99
30) Chloroform	7.32	83	250815	46.888	ug/l	99
31) Cyclohexane	7.60	56	267183	60.078	ug/l	95
32) 1,1,1-Trichloroethane	7.52	97	208601	46.242	ug/l	99
36) 1,1-Dichloropropene	7.75	75	186845	44.281	ug/l	98
37) Ethyl Acetate	6.88	43	160784	46.017	ug/l	98
38) Carbon Tetrachloride	7.73	117	173364	43.580	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062151.D
 Acq On : 26 Jun 2020 19:51
 Operator : JC/MD
 Sample : L3020-18MS
 Misc : 5.10µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:42 PM

Quant Time: Jun 27 06:17:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	703126	152.084	ug/l	97
40) Benzene	8.00	78	582276	45.275	ug/l	98
41) Methacrylonitrile	7.13	41	65829m	40.639	ug/l	
42) 1,2-Dichloroethane	8.08	62	195805	45.062	ug/l	94
43) Isopropyl Acetate	8.13	43	374001	65.663	ug/l #	88
44) Trichloroethene	8.80	130	153897	47.437	ug/l	99
45) 1,2-Dichloropropane	9.08	63	154767	48.778	ug/l	99
46) Dibromomethane	9.17	93	100305	46.627	ug/l	97
47) Bromodichloromethane	9.37	83	236457	54.438	ug/l	97
48) Methyl methacrylate	9.17	41	128988	50.507	ug/l	94
49) 1,4-Dioxane	9.18	88	52269	922.918	ug/l #	81
51) 4-Methyl-2-Pentanone	9.96	43	821592m	246.887	ug/l	
52) Toluene	10.12	92	386148	49.209	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	228349	47.784	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	248457	48.835	ug/l	92
55) 1,1,2-Trichloroethane	10.53	97	134893m	43.730	ug/l	
56) Ethyl methacrylate	10.40	69	224341	54.497	ug/l #	65
57) 1,3-Dichloropropane	10.68	76	259993	48.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	464340	263.974	ug/l	100
59) 2-Hexanone	10.73	43	576706	239.994	ug/l	94
60) Dibromochloromethane	10.87	129	153765	47.084	ug/l	100
61) 1,2-Dibromoethane	10.98	107	156493	49.374	ug/l #	40
64) Tetrachloroethene	10.60	164	117558	40.266	ug/l	97
65) Chlorobenzene	11.41	112	439268	46.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	153841	47.401	ug/l	99
67) Ethyl Benzene	11.48	91	5149609	324.867	ug/l #	82
68) m/p-Xylenes	11.60	106	1905569	310.805	ug/l	98
69) o-Xylene	11.92	106	314935	54.442	ug/l	95
70) Styrene	11.94	104	534187	55.371	ug/l	98
71) Bromoform	12.10	173	110140	47.730	ug/l #	98
73) Isopropylbenzene	12.22	105	2047725	104.291	ug/l	100
74) N-amyl acetate	12.05	43	331787m	46.178	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.48	83	243577	37.279	ug/l #	49
76) 1,2,3-Trichloropropane	12.53	75	213389m	35.736	ug/l	
77) Bromobenzene	12.50	156	191337	39.251	ug/l	95
78) n-propylbenzene	12.57	91	5576515	248.294	ug/l	87
79) 2-Chlorotoluene	12.66	91	1256015m	92.506	ug/l	
80) 1,3,5-Trimethylbenzene	12.71	105	5642625	354.503	ug/l	79
81) trans-1,4-Dichloro-2-buten	12.28	75	81793	40.003	ug/l #	74
82) 4-Chlorotoluene	12.75	91	587406	41.836	ug/l	92
83) tert-Butylbenzene	12.97	119	626730	46.009	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	9376179m	589.808	ug/l	
85) sec-Butylbenzene	13.15	105	1709245	94.960	ug/l #	78
86) p-Isopropyltoluene	13.26	119	1235605	78.353	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	379832	44.373	ug/l	94
88) 1,4-Dichlorobenzene	13.34	146	386019	43.748	ug/l	96
89) n-Butylbenzene	13.59	91	2960908	225.839	ug/l #	77
90) Hexachloroethane	13.86	117	778010	251.457	ug/l #	32
91) 1,2-Dichlorobenzene	13.63	146	389779	46.958	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.23	75	121130	115.725	ug/l #	49

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062151.D
 Acq On : 26 Jun 2020 19:51
 Operator : JC/MD
 Sample : L3020-18MS
 Misc : 5.10µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

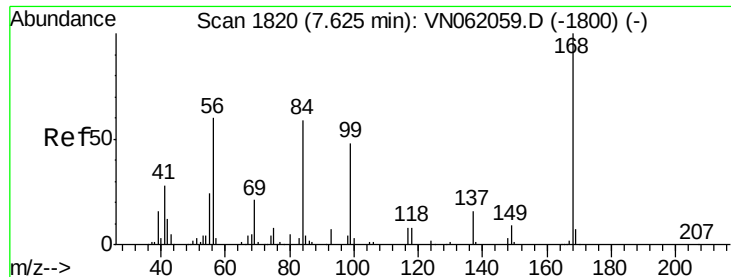
Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:42 PM

Quant Time: Jun 27 06:17:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	263712	72.725	ug/l #	34
94) Hexachlorobutadiene	14.99	225	107482	68.245	ug/l	96
95) Naphthalene	15.10	128	5881179	451.564	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.28	180	252287	68.043	ug/l #	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:168 Resp: 229376

Ion Ratio Lower Upper

168 100

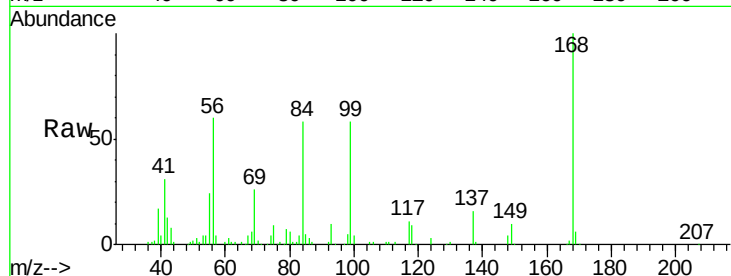
99 57.5 45.8 68.8

Manual Integrations

APPROVED

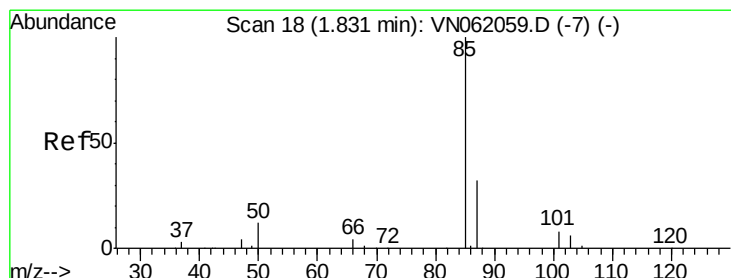
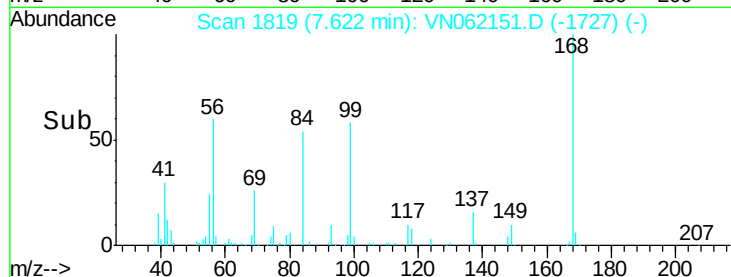
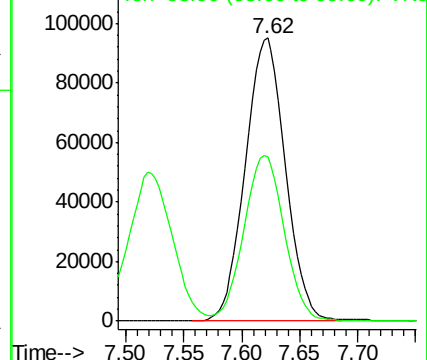
MMDadoda

6/29/2020 12:35:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.669 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN062151.D

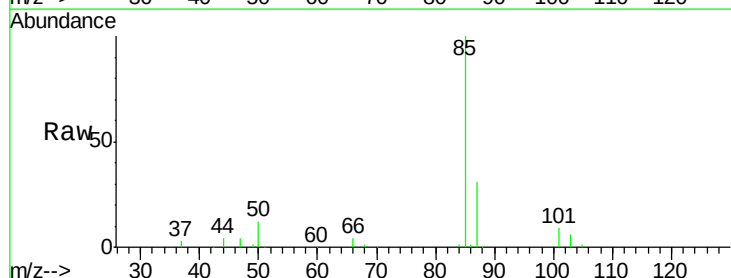
Acq: 26 Jun 2020 19:51

Tgt Ion: 85 Resp: 108036

Ion Ratio Lower Upper

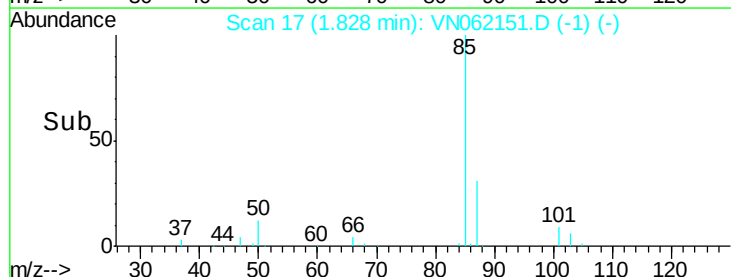
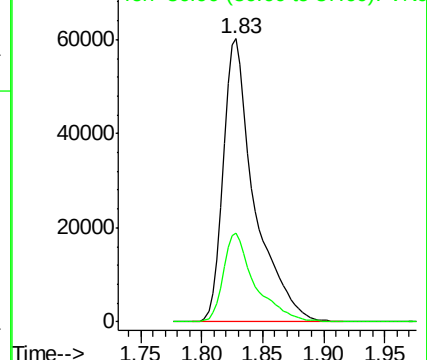
85 100

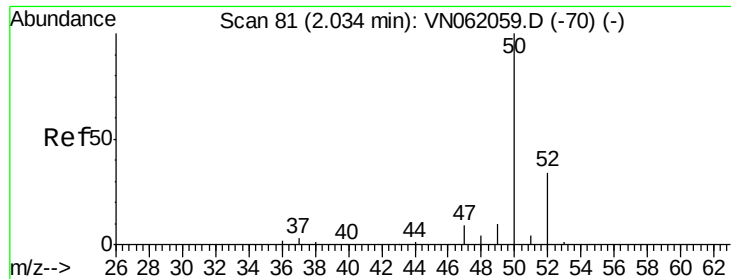
87 31.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.786 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 50 Resp: 128217

Ion Ratio Lower Upper

50 100

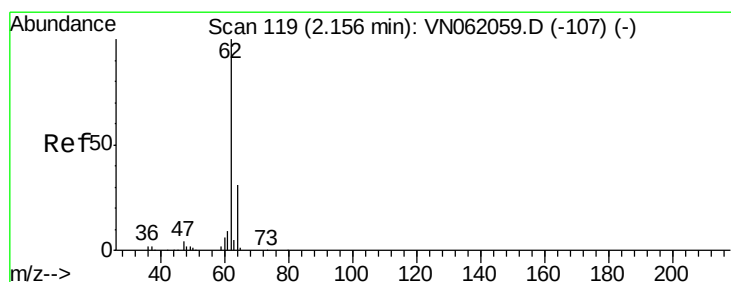
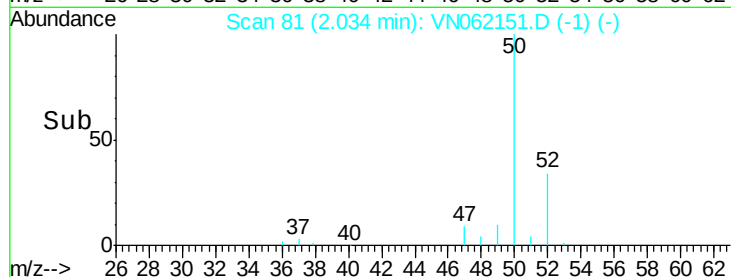
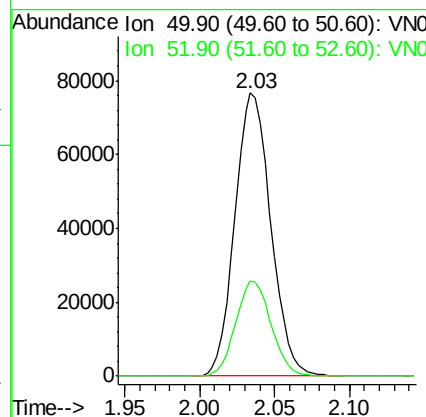
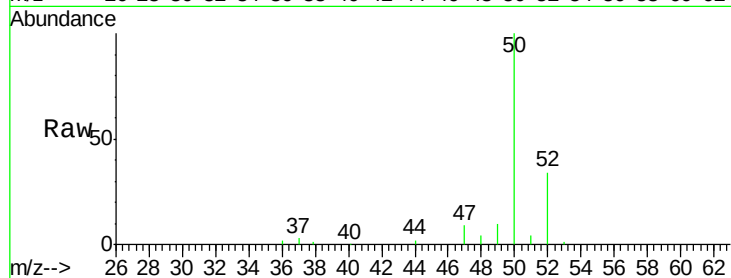
52 33.6 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#4

Vinyl Chloride

Concen: 37.342 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN062151.D

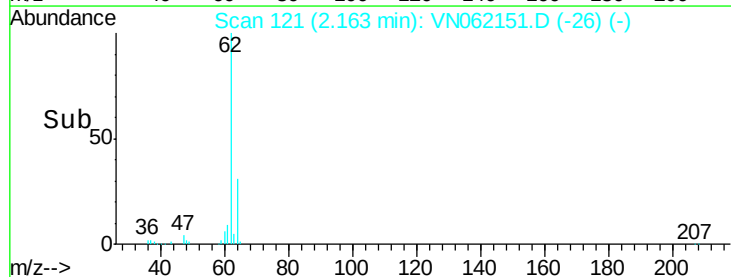
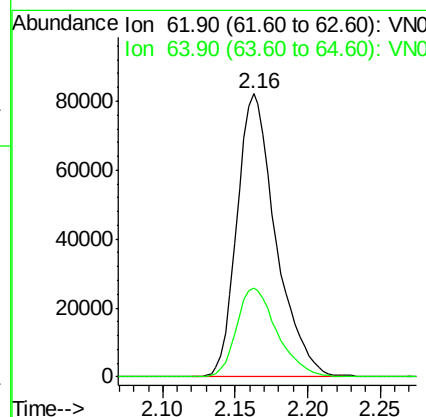
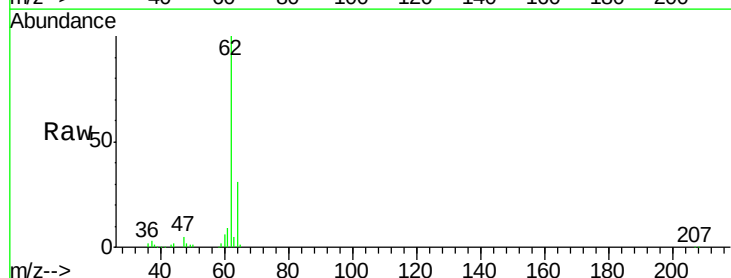
Acq: 26 Jun 2020 19:51

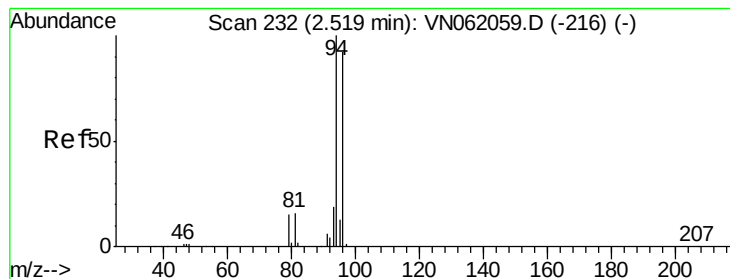
Tgt Ion: 62 Resp: 152465

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 10.890 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.04 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 94 Resp: 28737

Ion Ratio Lower Upper

94 100

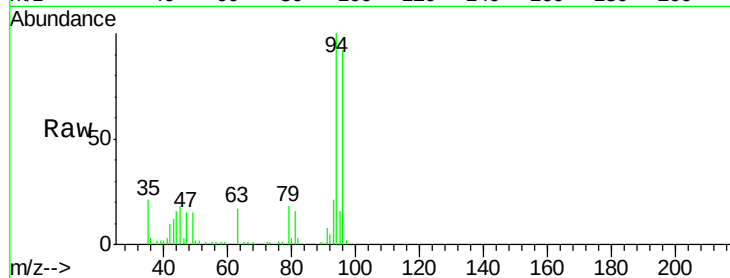
96 92.5 73.4 110.2

Manual Integrations

APPROVED

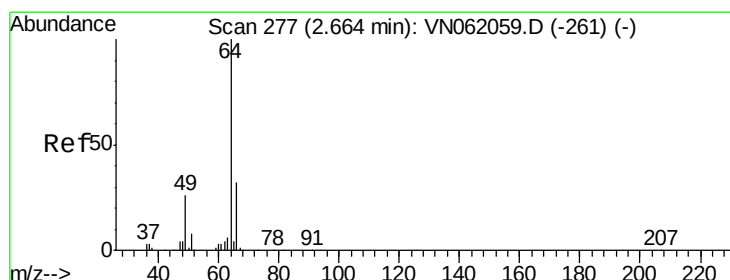
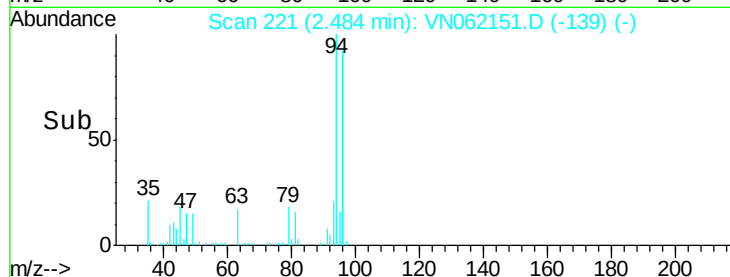
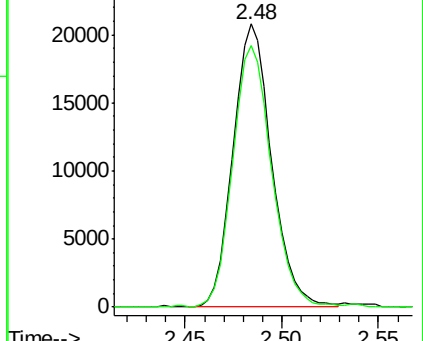
MMDadoda

6/29/2020 12:35:42 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.749 ug/l

RT: 2.62 min Scan# 263

Delta R.T. -0.05 min

Lab File: VN062151.D

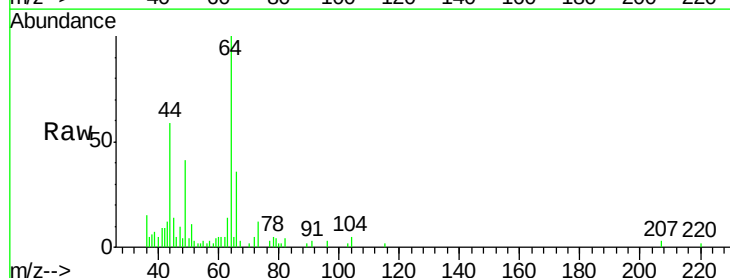
Acq: 26 Jun 2020 19:51

Tgt Ion: 64 Resp: 13245

Ion Ratio Lower Upper

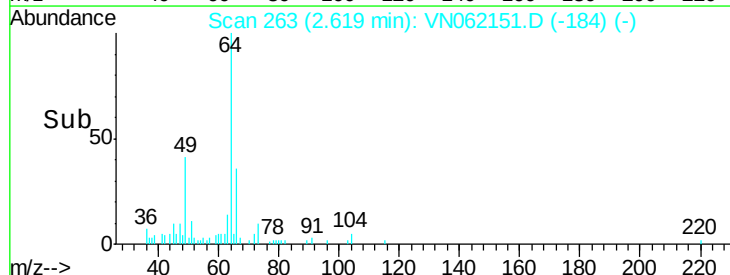
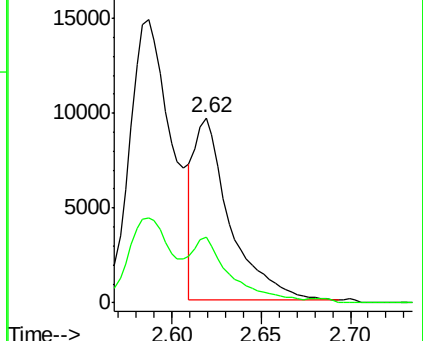
64 100

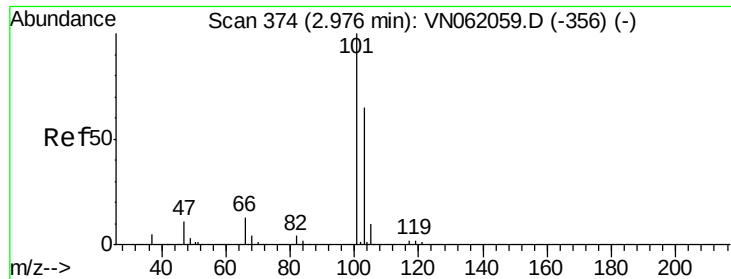
66 36.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

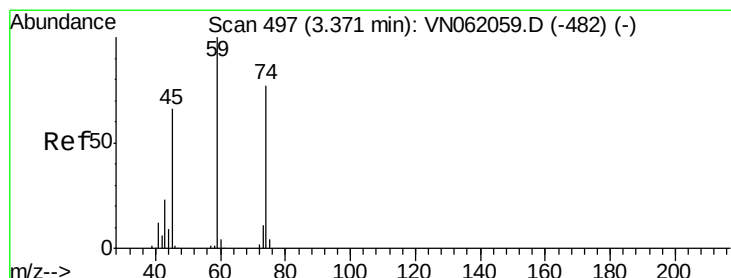
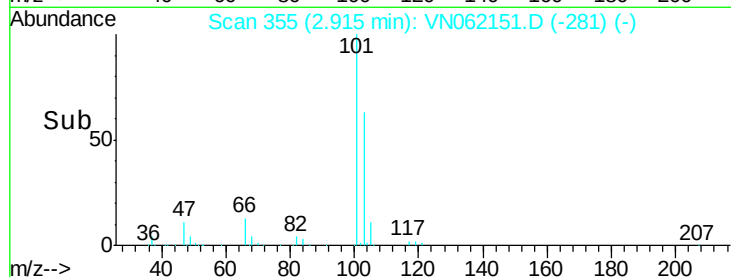
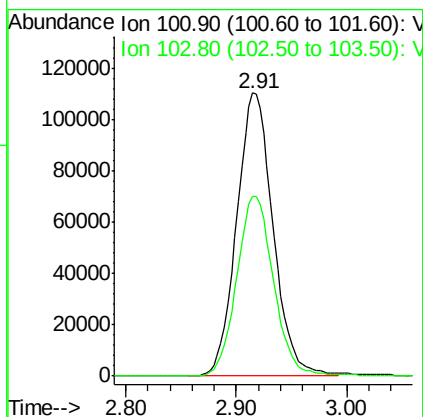
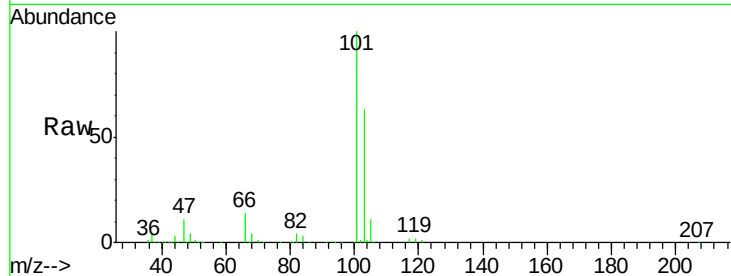
Trichlorofluoromethane
 Concen: 50.235 ug/l
 RT: 2.91 min Scan# 355
 Delta R.T. -0.06 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

Manual Integrations
 APPROVED

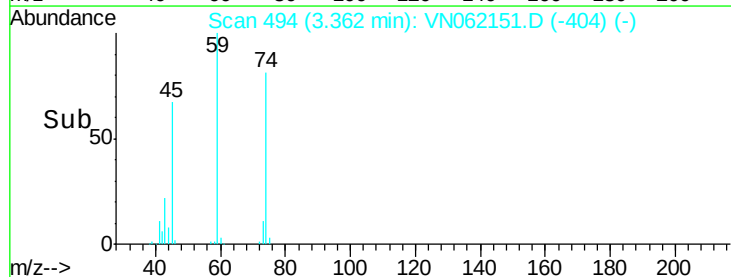
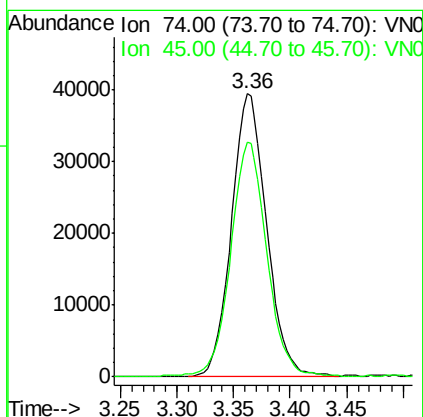
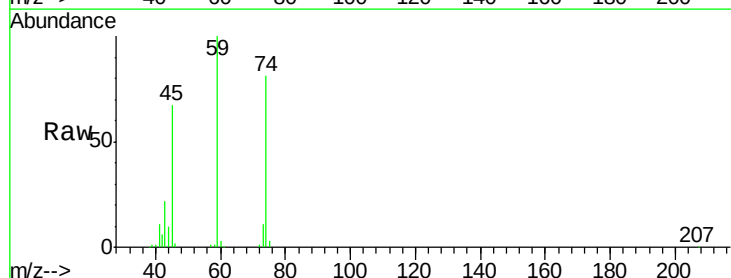
MMDadoda
 6/29/2020 12:35:42 PM

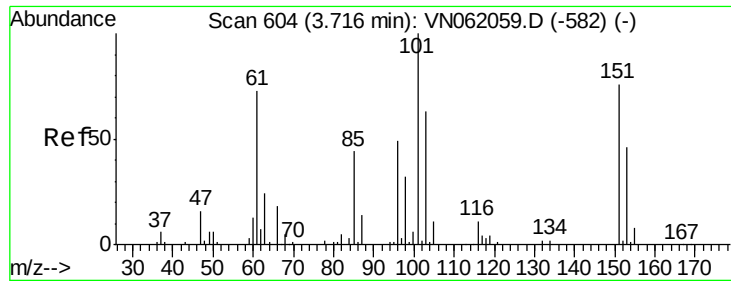


#8

Diethyl Ether
 Concen: 48.570 ug/l
 RT: 3.36 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.9	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.621 ug/l

RT: 3.68 min Scan# 593

Delta R.T. -0.04 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

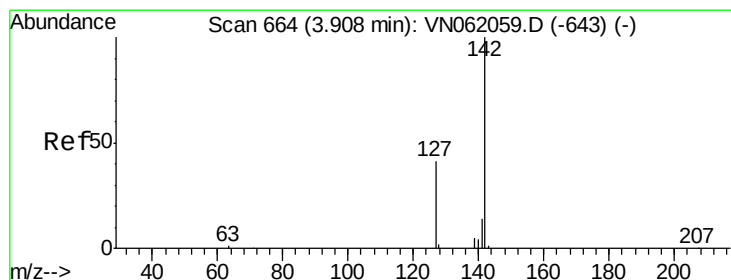
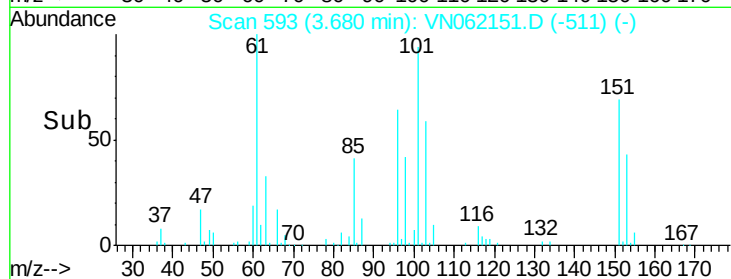
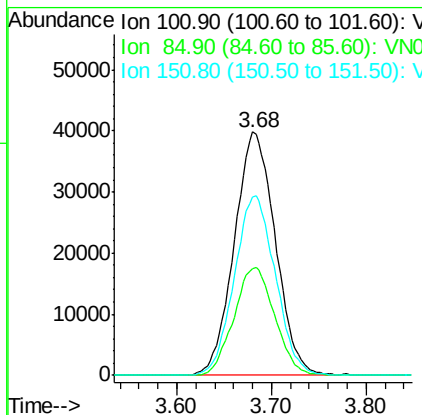
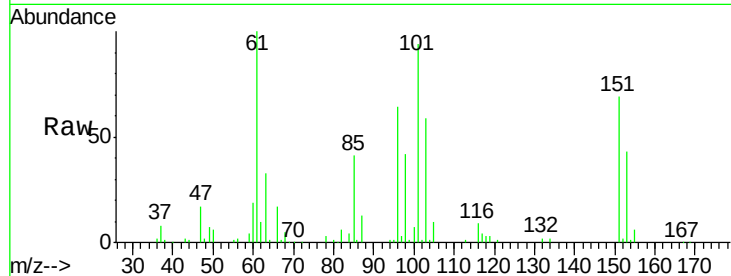
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:	101	Resp:	120193
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.5	51.7
151	73.6	57.8	86.8

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#10

Methyl Iodide

Concen: 41.562 ug/l

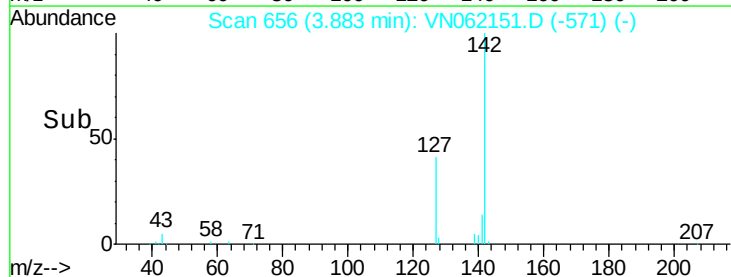
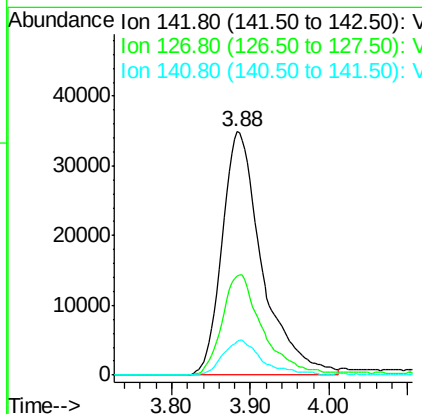
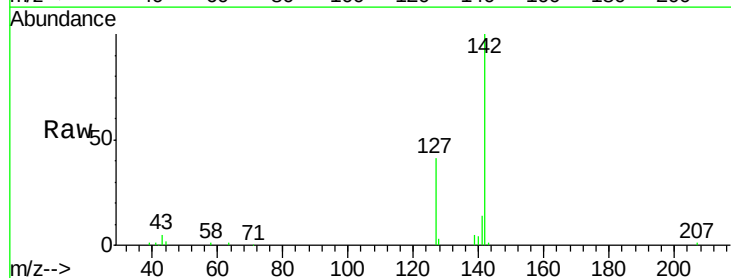
RT: 3.88 min Scan# 656

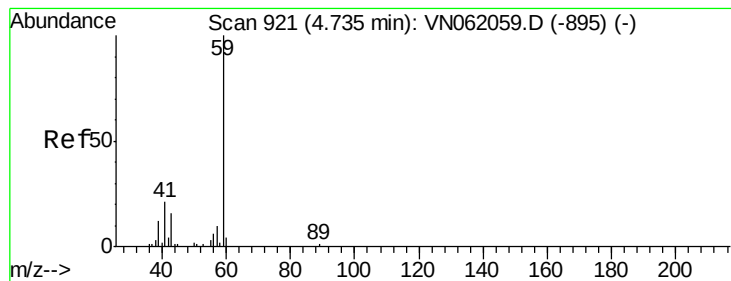
Delta R.T. -0.03 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion:	142	Resp:	123318
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.6	50.4
141	13.6	11.3	16.9





#11

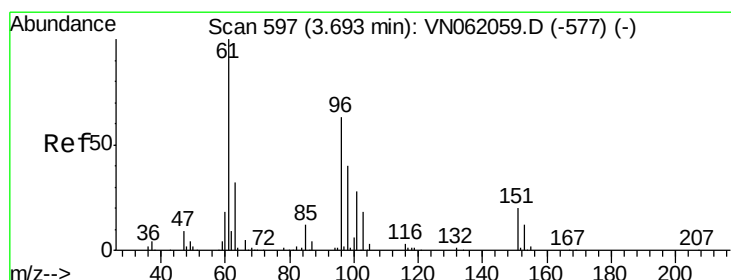
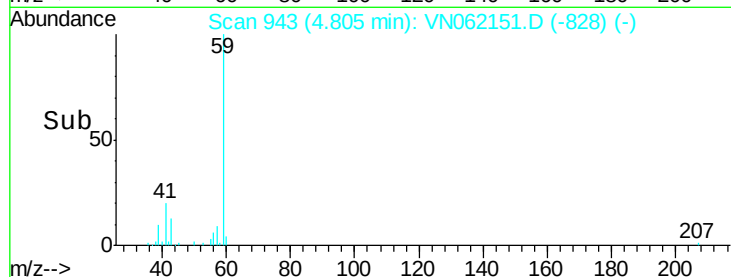
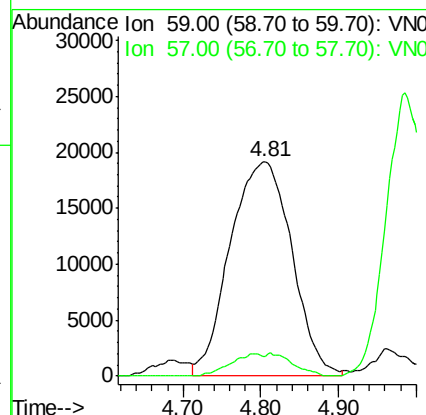
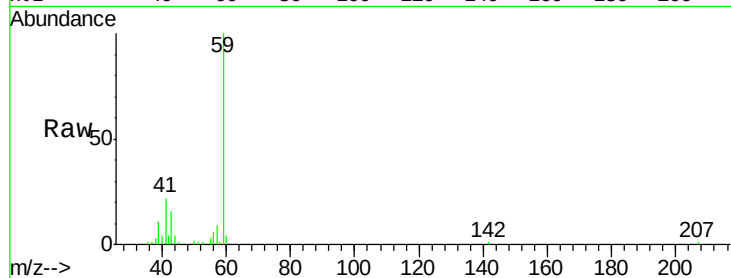
Tert butyl alcohol
Concen: 228.957 ug/l m
RT: 4.81 min Scan# 943
Delta R.T. 0.07 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	59	Resp	105816
Ion Ratio	100	Lower	Upper
57	0.0	8.3	12.5#

Manual Integrations
APPROVED

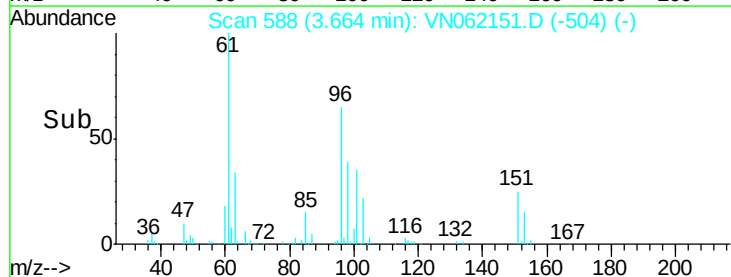
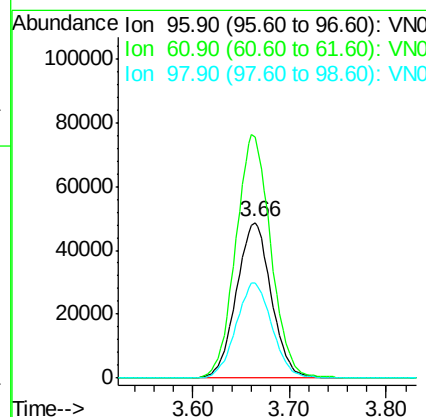
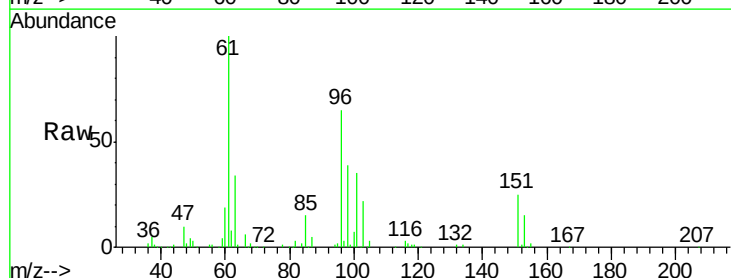
MMDadoda
6/29/2020 12:35:42 PM

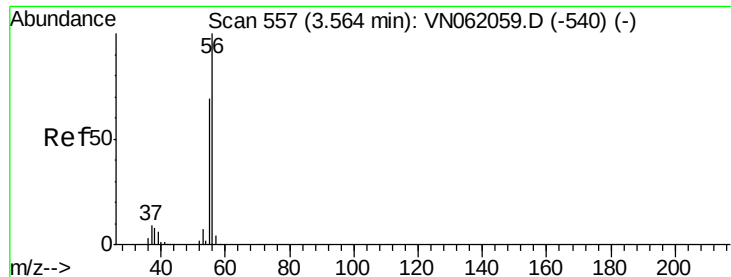


#12

1,1-Dichloroethene
Concen: 46.334 ug/l
RT: 3.66 min Scan# 588
Delta R.T. -0.03 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	96	Resp	122035
Ion Ratio	100	Lower	Upper
61	155.0	126.7	190.1
98	61.1	51.0	76.4





#13

Acrolein

Concen: 252.476 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 56 Resp: 114242

Ion Ratio Lower Upper

56 100

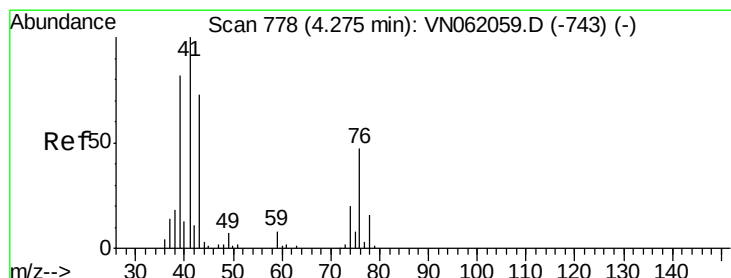
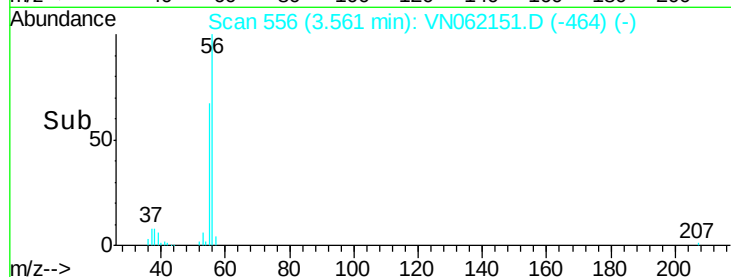
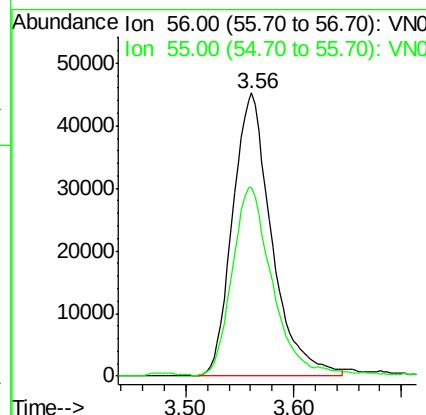
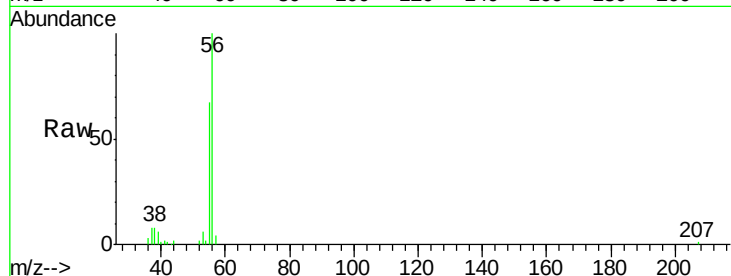
55 67.5 55.5 83.3

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#14

Allyl chloride

Concen: 47.080 ug/l

RT: 4.26 min Scan# 772

Delta R.T. -0.02 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

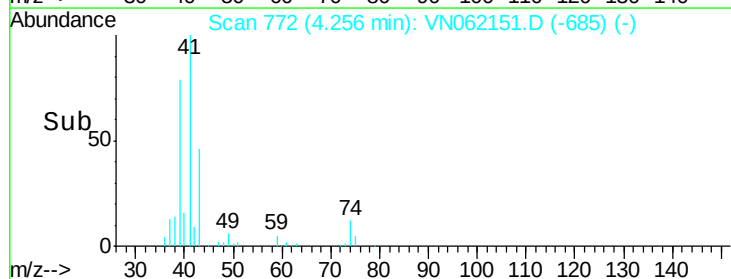
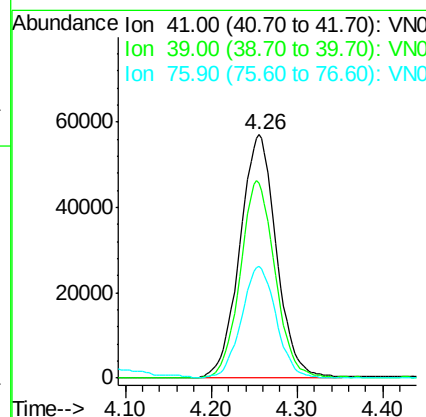
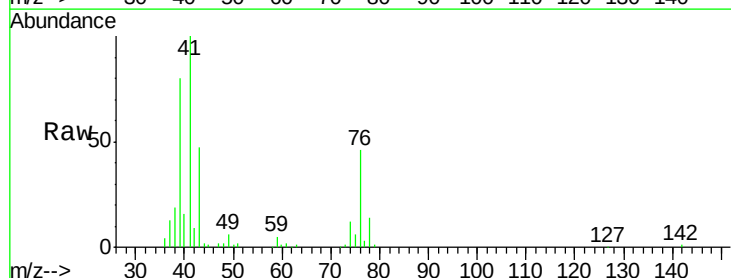
Tgt Ion: 41 Resp: 168823

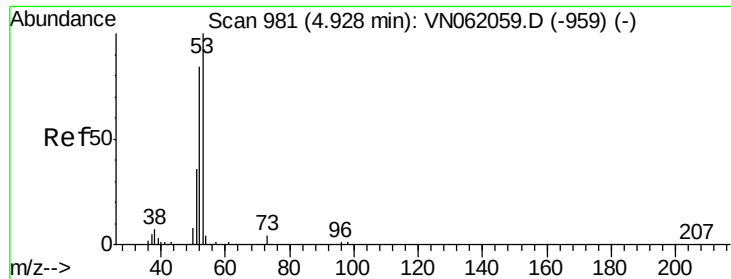
Ion Ratio Lower Upper

41 100

39 77.1 60.0 90.0

76 42.4 34.1 51.1





#15

Acrylonitrile

Concen: 240.183 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

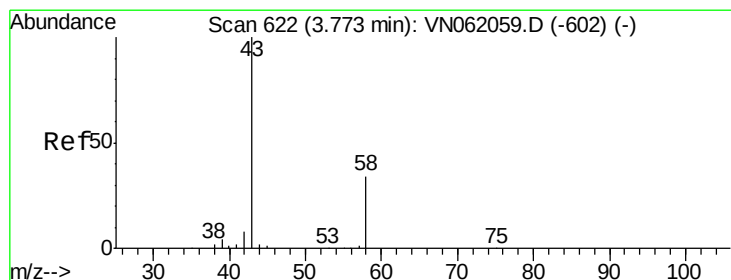
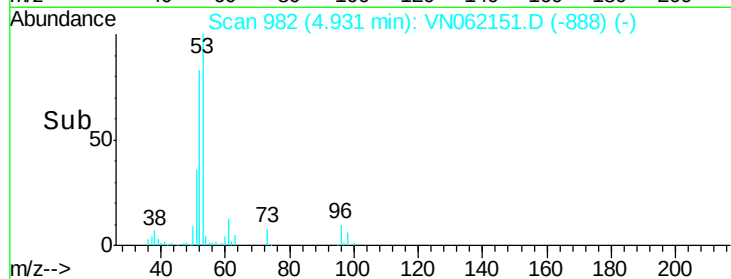
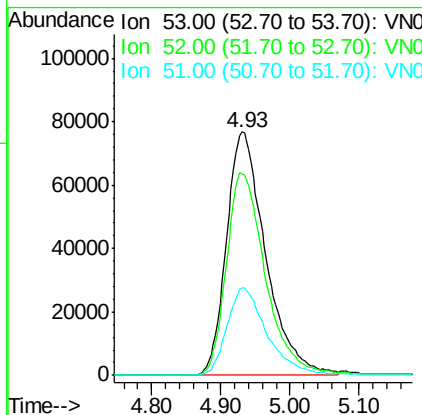
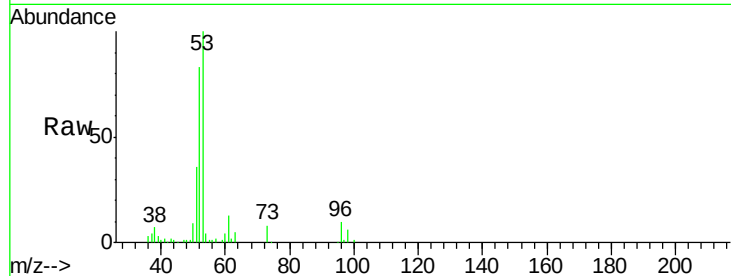
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:	53	Resp:	302491
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.4
51	36.6	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#16

Acetone

Concen: 236.218 ug/l

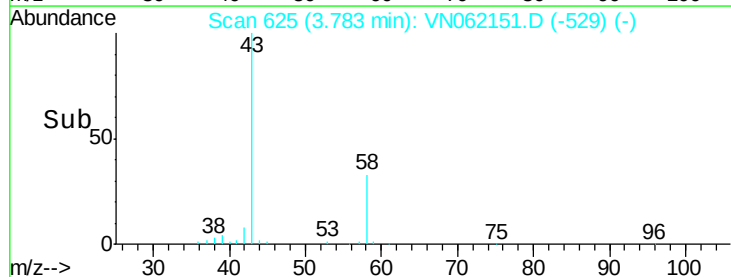
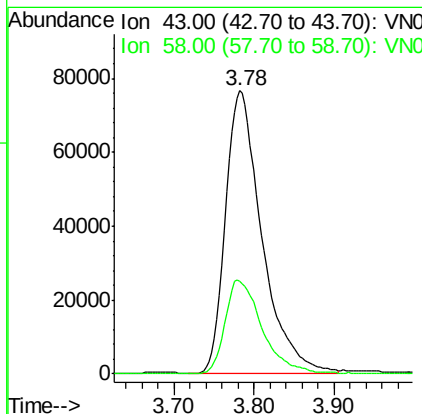
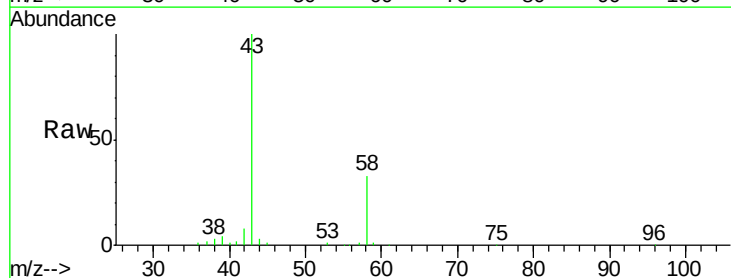
RT: 3.78 min Scan# 625

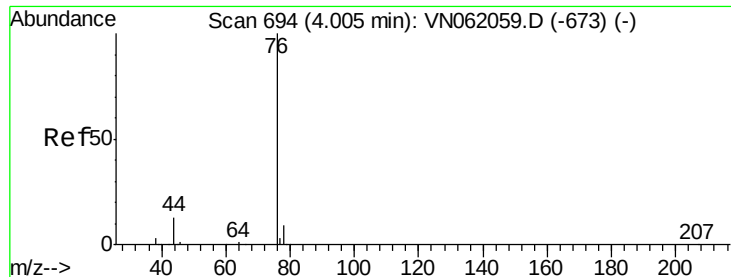
Delta R.T. 0.01 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion:	43	Resp:	238894
Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.5	41.3





#17

Carbon Disulfide

Concen: 44.502 ug/l

RT: 3.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 76 Resp: 335677

Ion Ratio Lower Upper

76 100

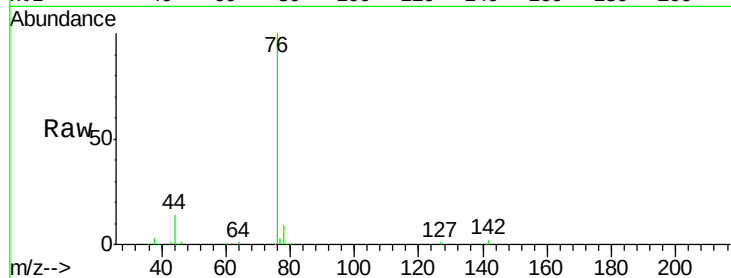
78 9.4 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



Abundance Ion 75.90 (75.60 to 76.60): VN062059.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062059.D (-673) (-)

3.98

120000

100000

80000

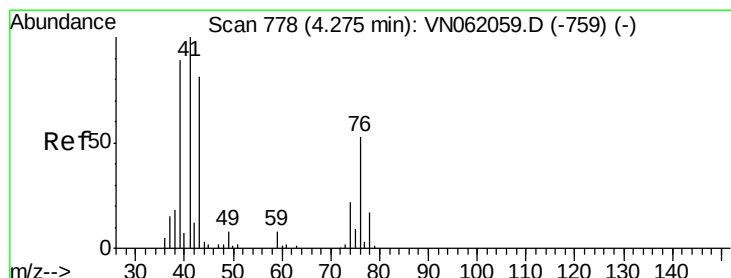
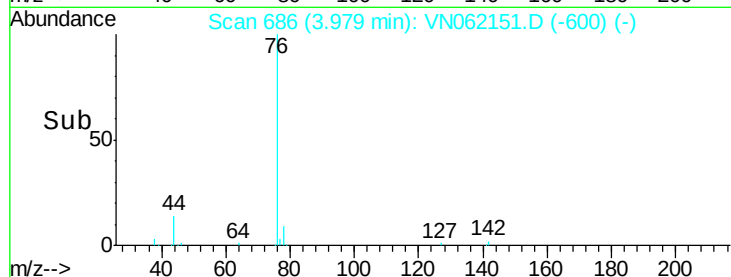
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.219 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062151.D

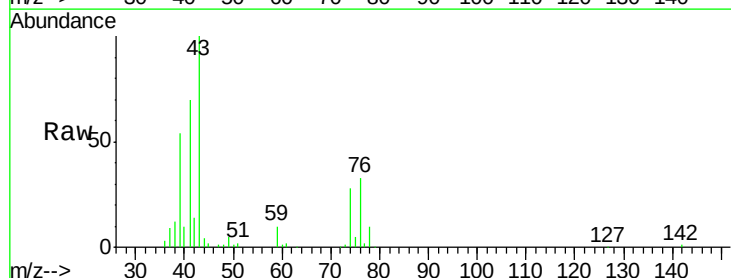
Acq: 26 Jun 2020 19:51

Tgt Ion: 43 Resp: 131060

Ion Ratio Lower Upper

43 100

74 27.8 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN062059.D (-759) (-)

4.27

50000

40000

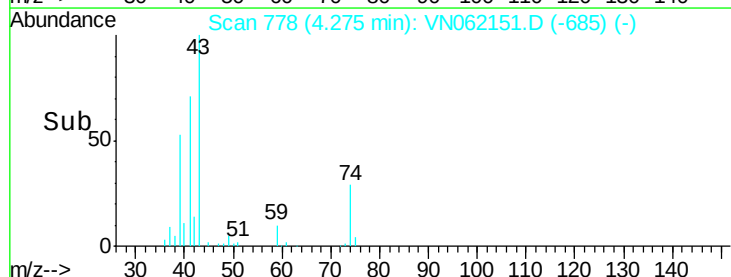
30000

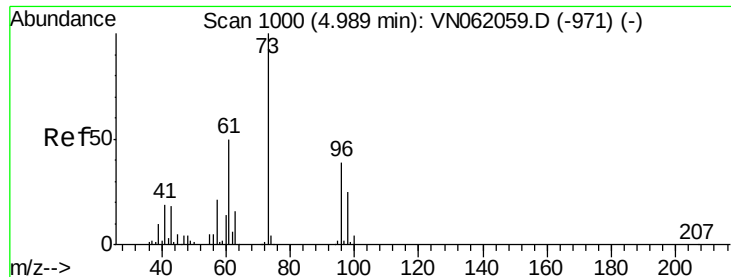
20000

10000

0

Time-->





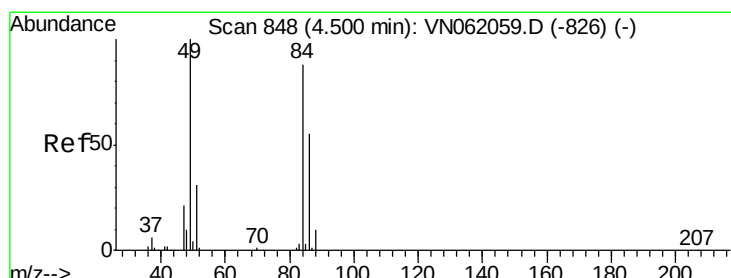
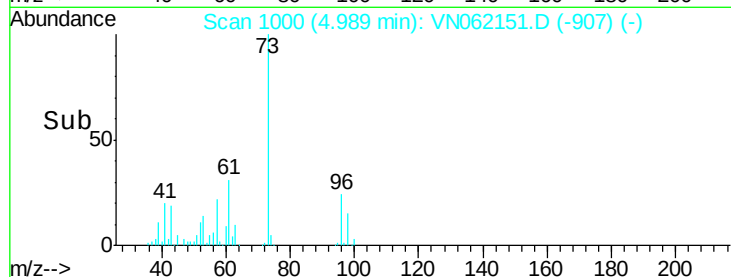
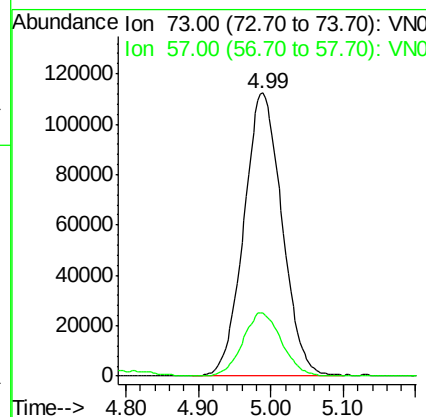
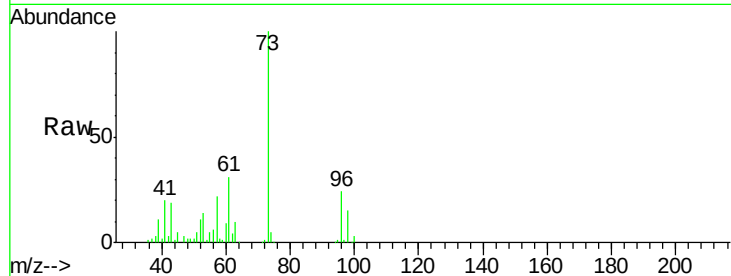
#19
Methvl tert-butvl Ether
Concen: 48.915 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion: 73 Resp: 411669
Ion Ratio Lower Upper
73 100
57 22.1 16.6 24.8

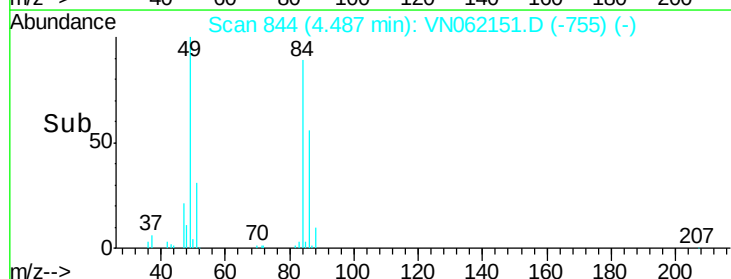
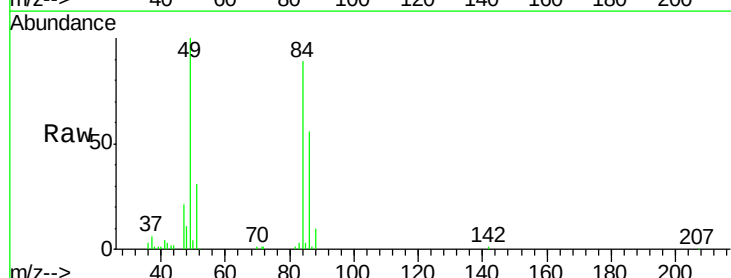
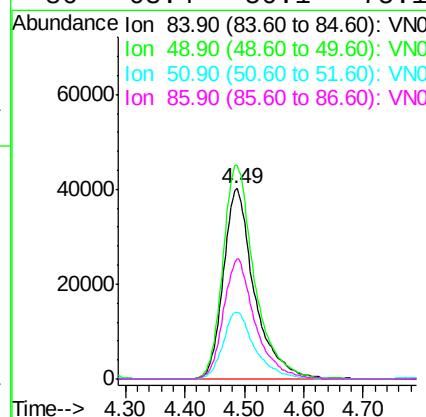
Manual Integrations
APPROVED

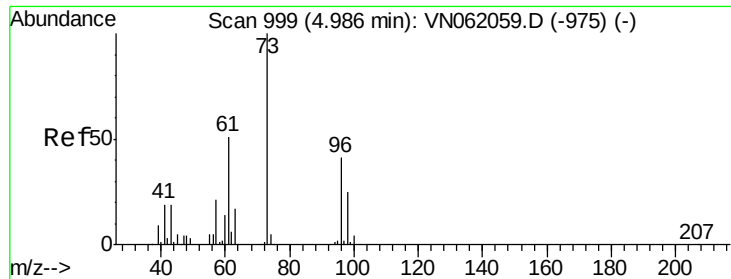
MMDadoda
6/29/2020 12:35:42 PM



#20
Methylene Chloride
Concen: 49.278 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.01 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion: 84 Resp: 145622
Ion Ratio Lower Upper
84 100
49 112.2 90.6 136.0
51 35.3 27.8 41.8
86 63.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 44.539 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.02 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

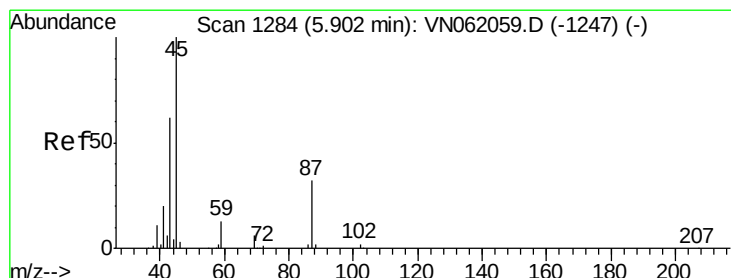
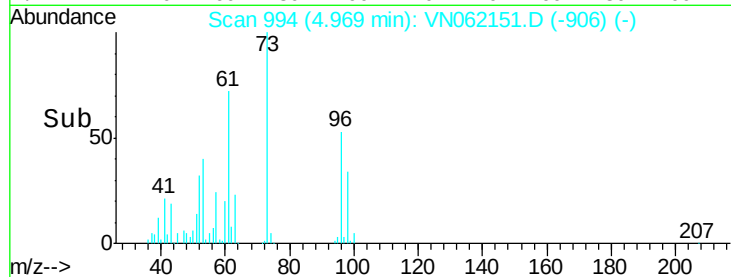
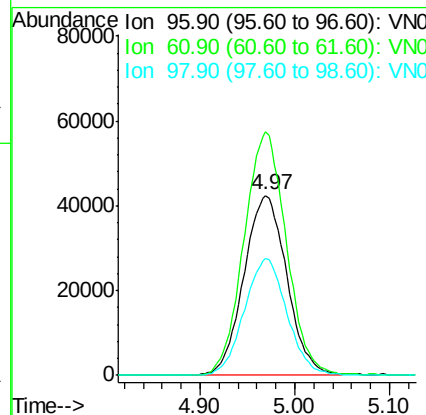
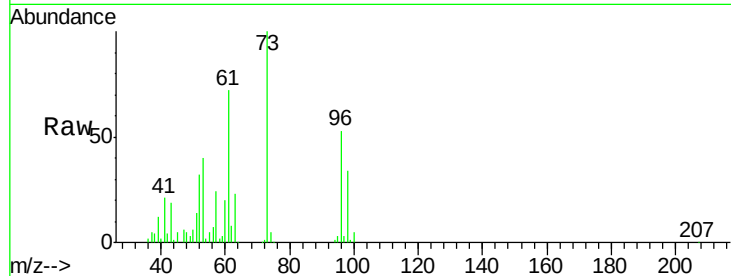
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:	96	Resp:	133634
Ion	Ratio	Lower	Upper
96	100		
61	135.2	101.4	152.2
98	64.8	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#22

Diisopropyl ether

Concen: 48.627 ug/l

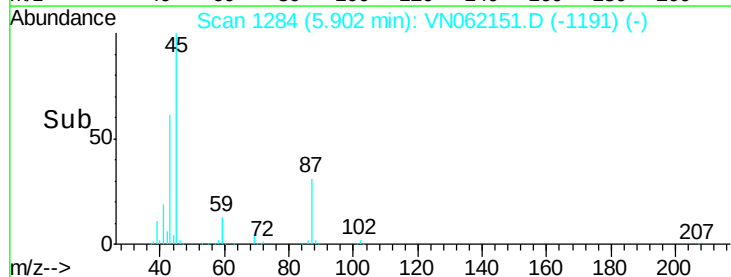
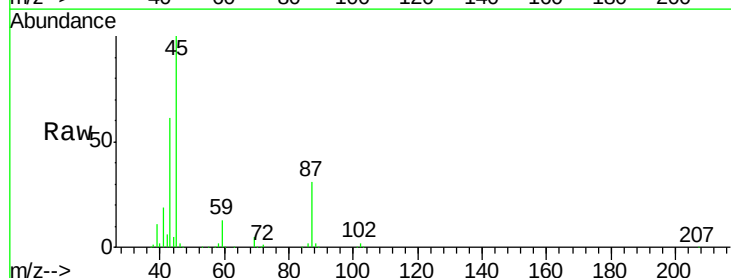
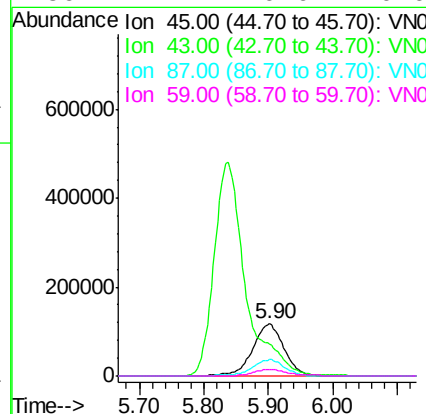
RT: 5.90 min Scan# 1284

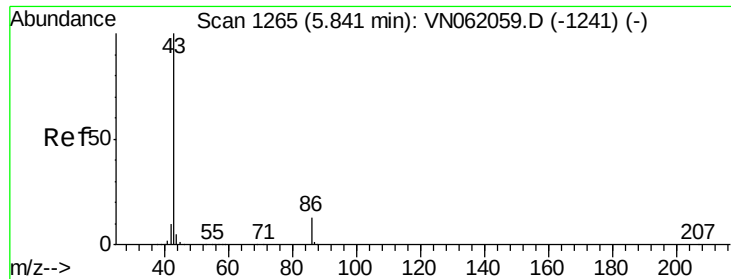
Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion:	45	Resp:	397021
Ion	Ratio	Lower	Upper
45	100		
43	59.3	49.7	74.5
87	31.1	25.9	38.9
59	12.4	10.6	16.0





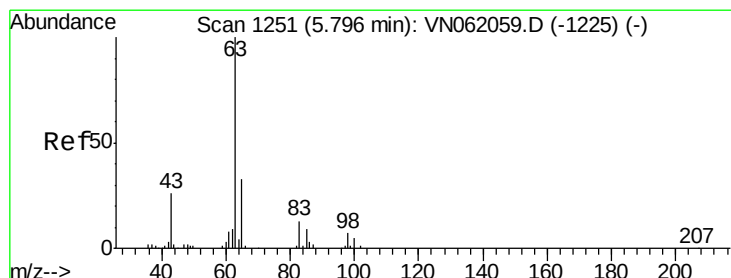
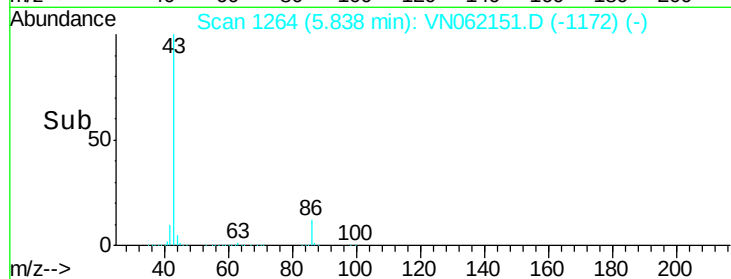
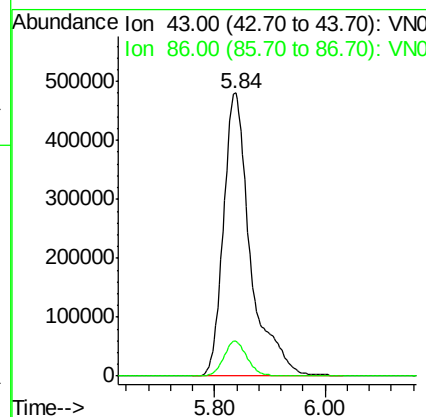
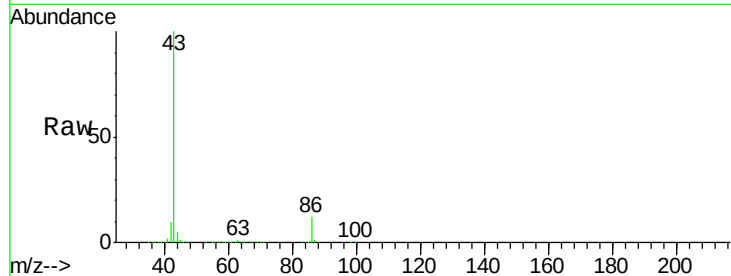
#23
 Vinyl Acetate
 Concen: 244.772 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion: 43 Resp: 1631651
 Ion Ratio Lower Upper
 43 100
 86 12.4 10.1 15.1

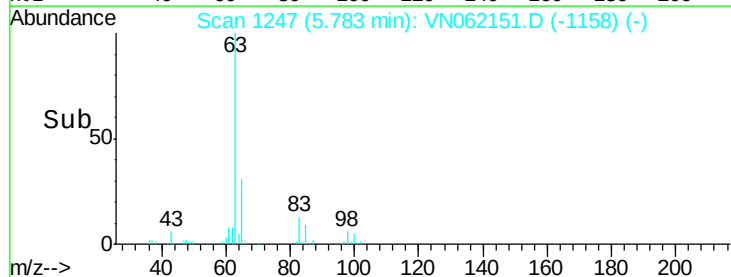
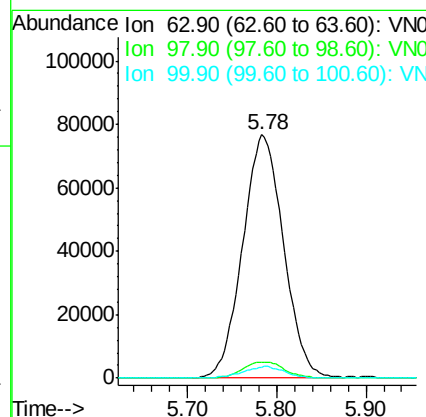
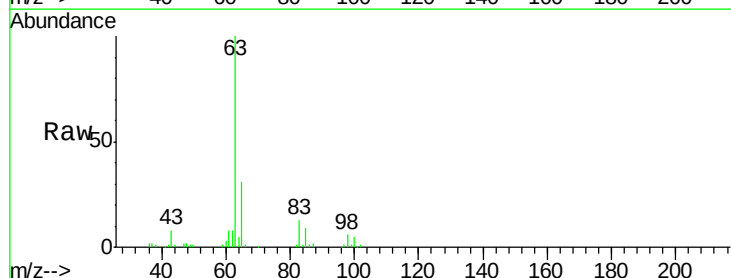
Manual Integrations
 APPROVED

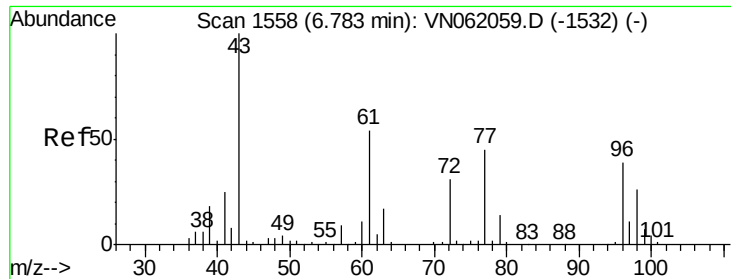
MMDadoda
 6/29/2020 12:35:42 PM



#24
 1,1-Dichloroethane
 Concen: 46.470 ug/l
 RT: 5.78 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion: 63 Resp: 244322
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.6 10.9
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 236.472 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 43 Resp: 372057

Ion Ratio Lower Upper

43 100

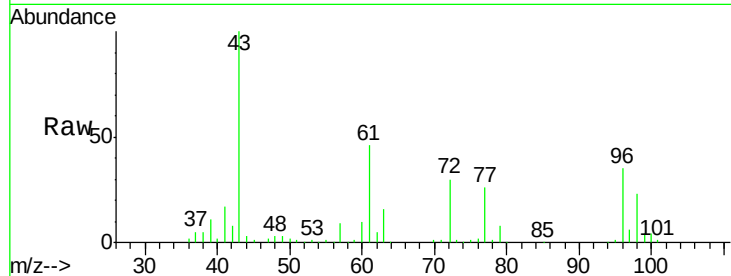
72 30.5 24.8 37.2

Manual Integrations

APPROVED

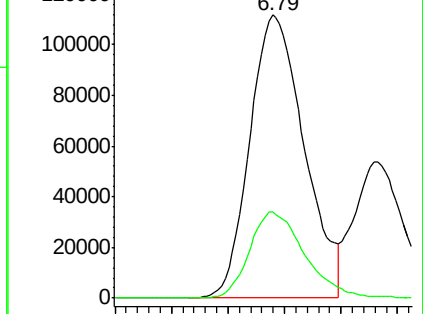
MMDadoda

6/29/2020 12:35:42 PM

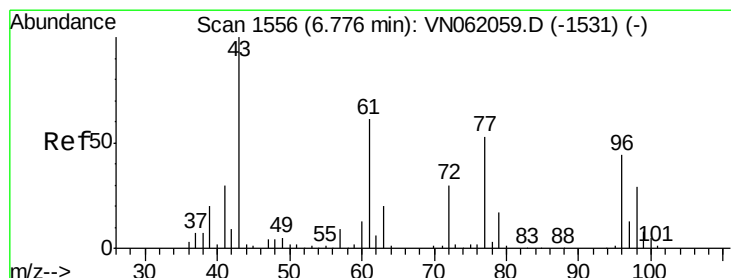
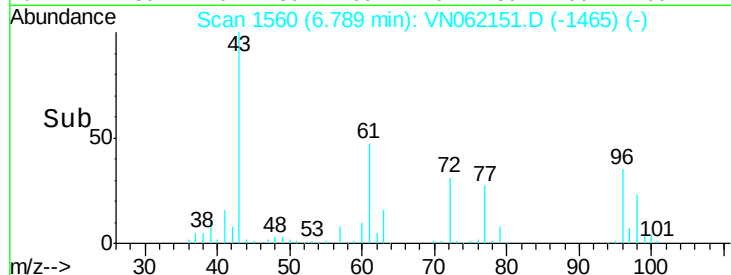


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.65 6.70 6.75 6.80 6.85



#26

2,2-Dichloropropane

Concen: 39.856 ug/l

RT: 6.77 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VN062151.D

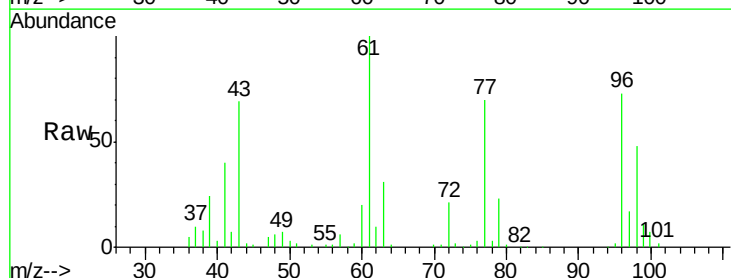
Acq: 26 Jun 2020 19:51

Tgt Ion: 77 Resp: 174616

Ion Ratio Lower Upper

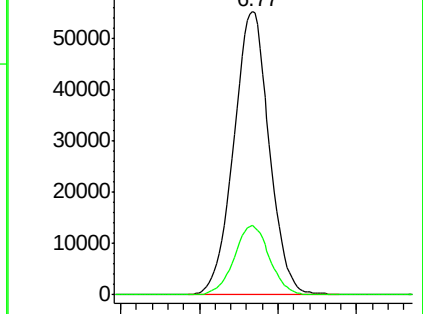
77 100

97 24.2 11.8 35.3

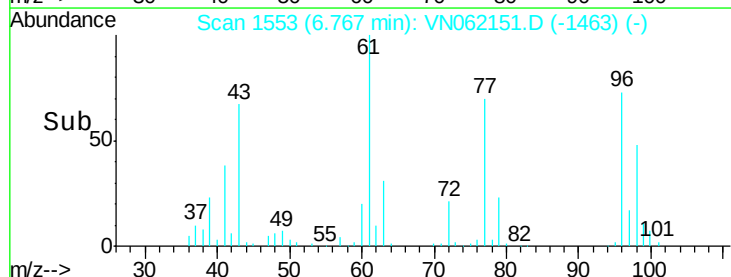


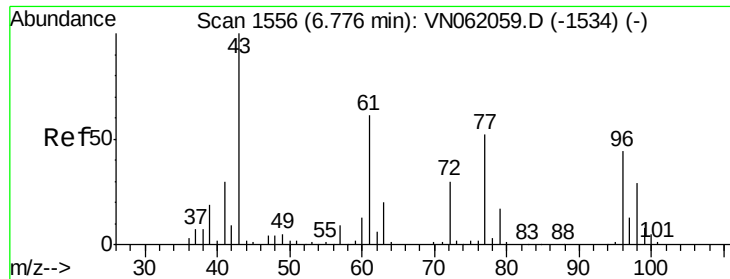
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time--> 6.60 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 51.586 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

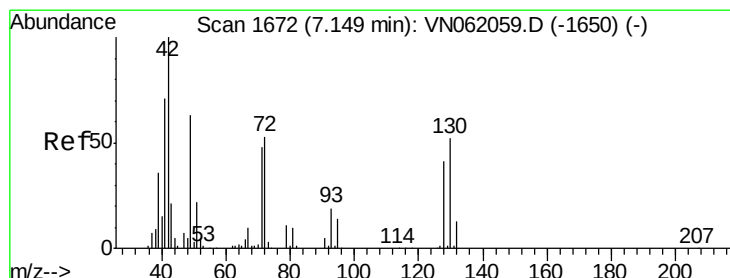
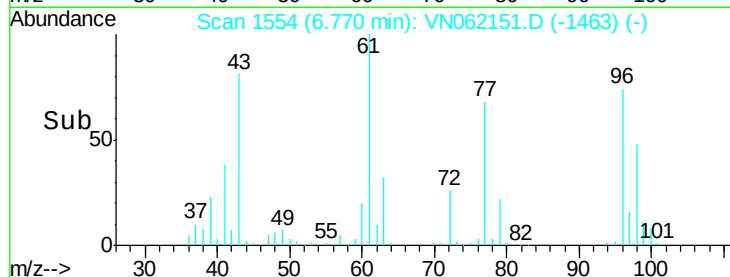
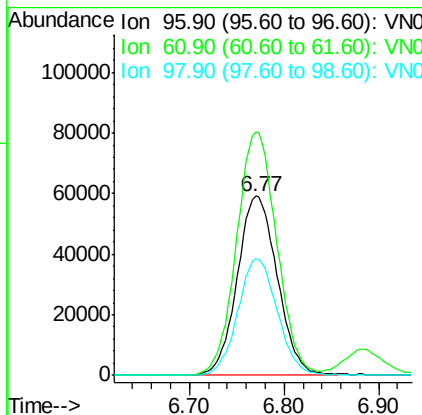
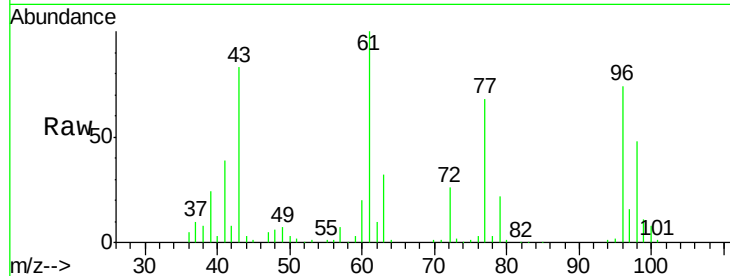
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:	96	Resp:	174166
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	280.4
98	64.1	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#28

Bromochloromethane

Concen: 46.083 ug/l

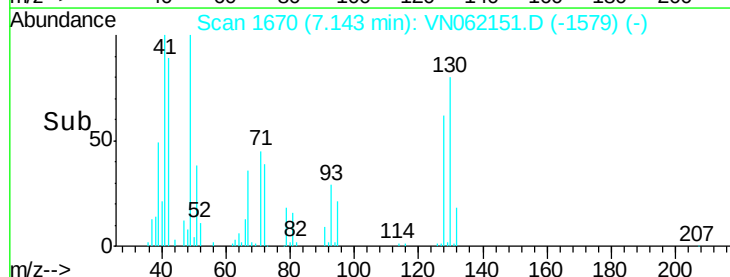
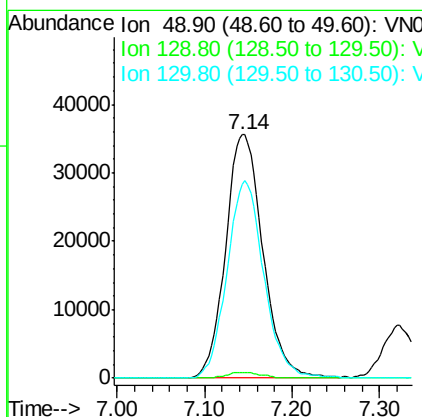
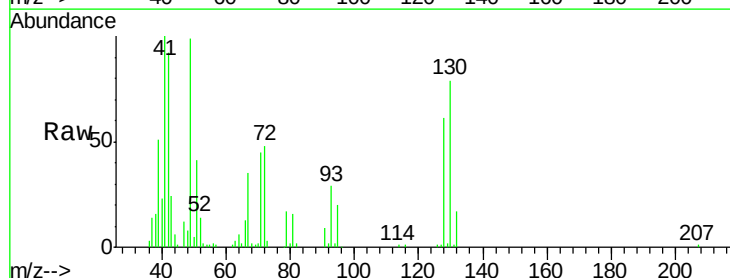
RT: 7.14 min Scan# 1670

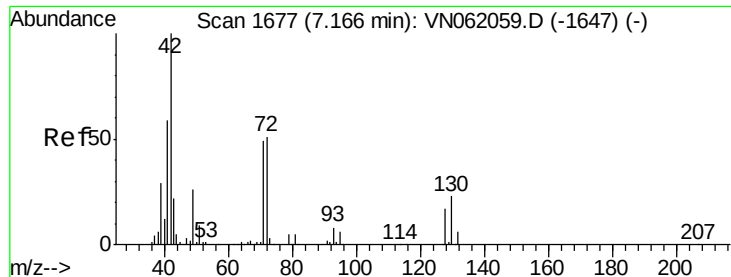
Delta R.T. -0.01 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion:	49	Resp:	105123
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.4
130	80.1	65.5	98.3





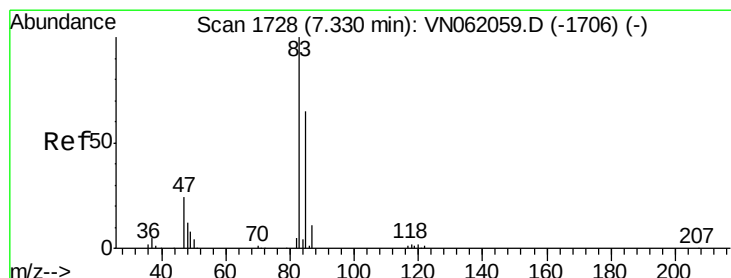
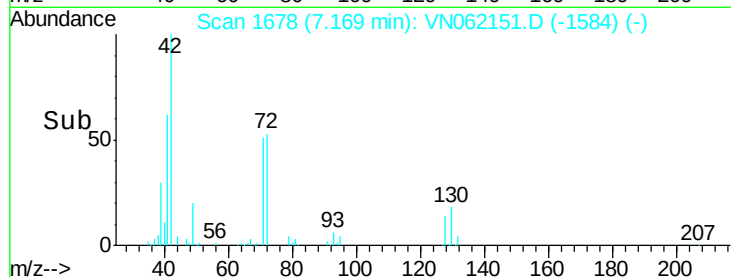
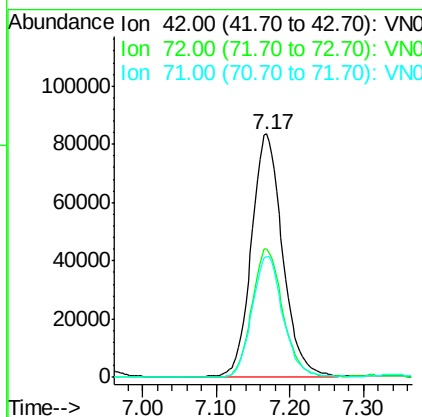
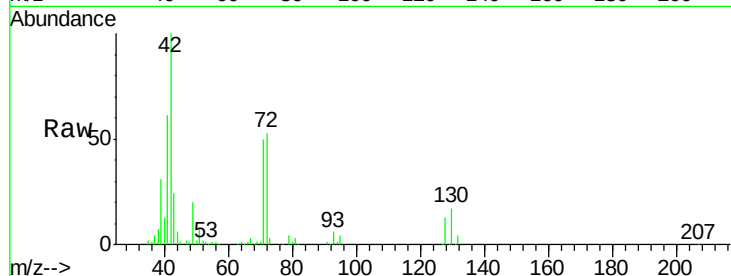
#29
Tetrahydrofuran
Concen: 240.039 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.9	41.1	61.7
71	49.0	38.2	57.4

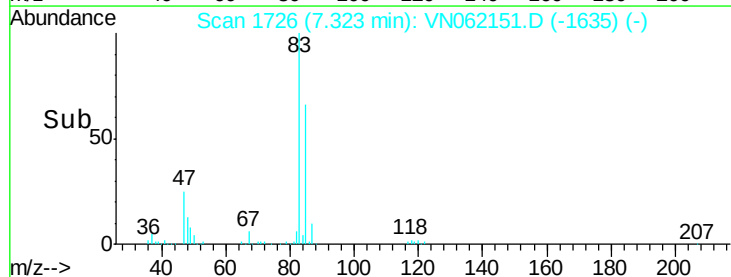
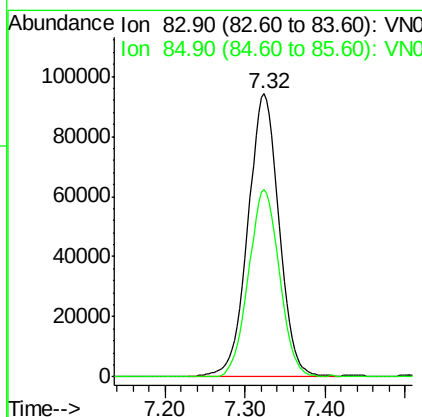
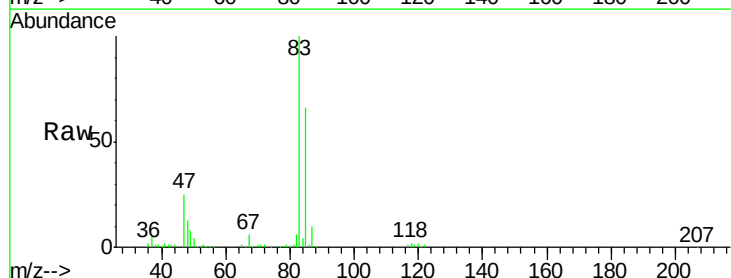
Manual Integrations
APPROVED

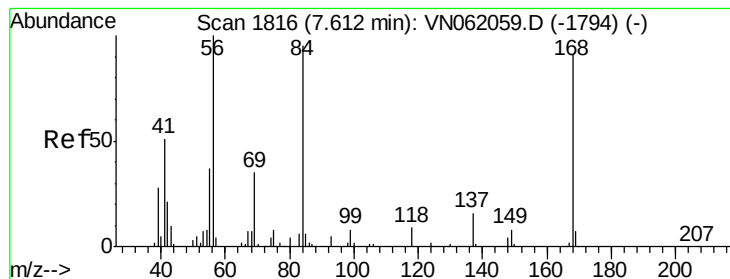
MMDadoda
6/29/2020 12:35:42 PM



#30
Chloroform
Concen: 46.888 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.3	78.5





#31

Cyclohexane

Concen: 60.078 ug/l

RT: 7.60 min Scan# 1813

Delta R.T. -0.01 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

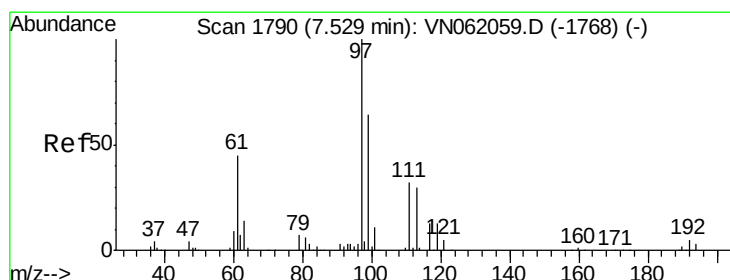
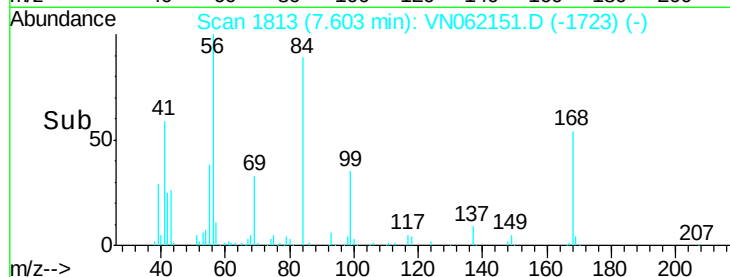
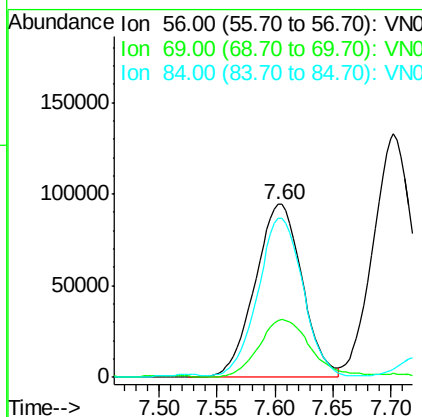
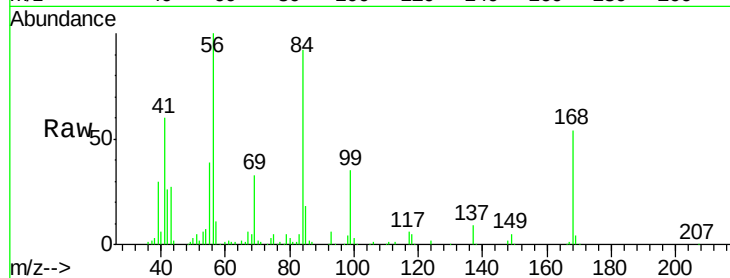
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:	56	Resp:	267183
Ion Ratio	Lower	Upper	
56	100		
69	32.4	28.0	42.0
84	90.5	76.1	114.1

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#32

1,1,1-Trichloroethane

Concen: 46.242 ug/l

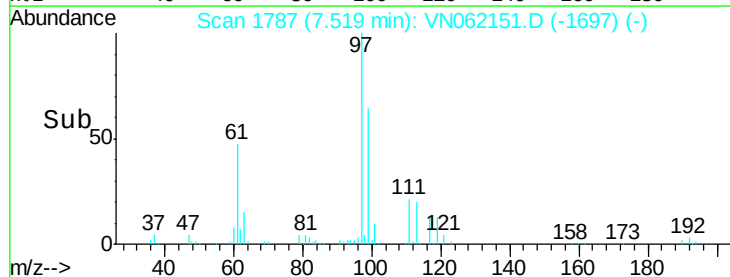
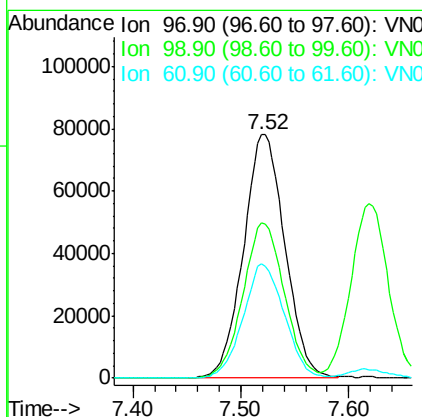
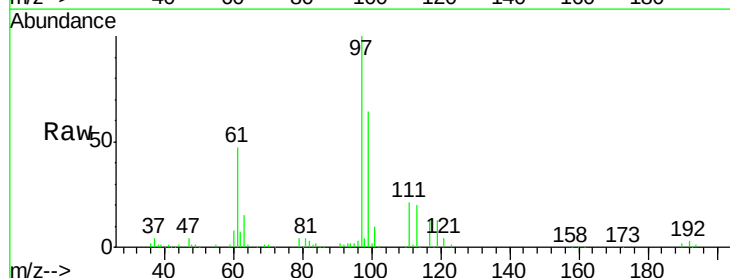
RT: 7.52 min Scan# 1787

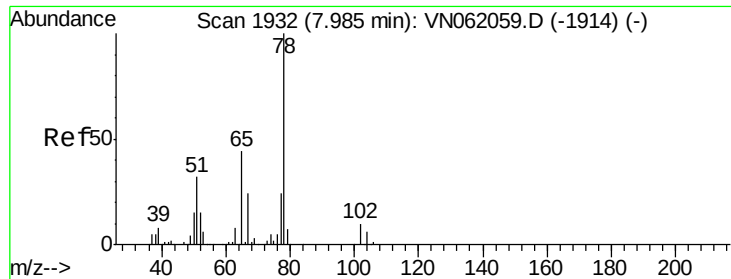
Delta R.T. -0.01 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion:	97	Resp:	208601
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.0	76.4
61	46.6	36.2	54.2





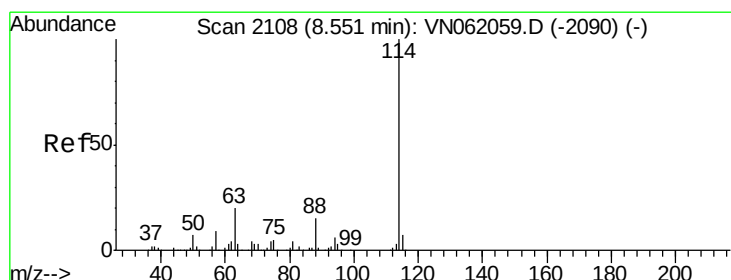
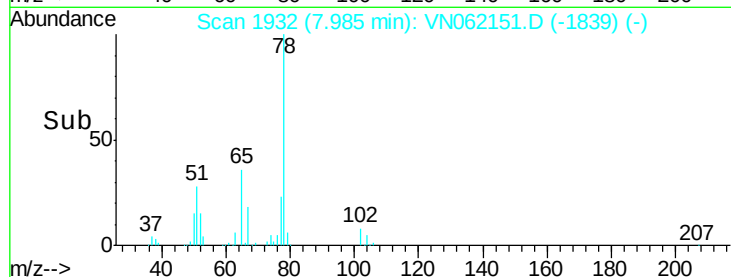
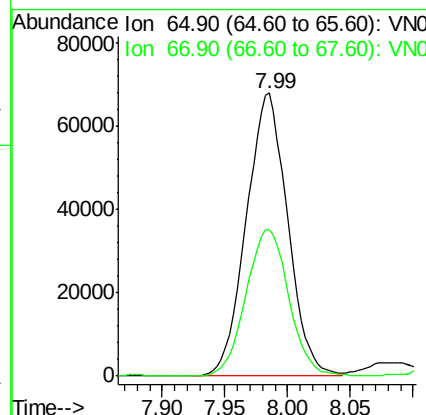
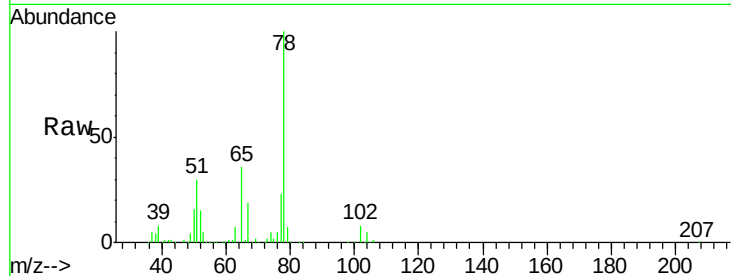
#33
 1,2-Dichloroethane-d4
 Concen: 48.578 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	106.2	

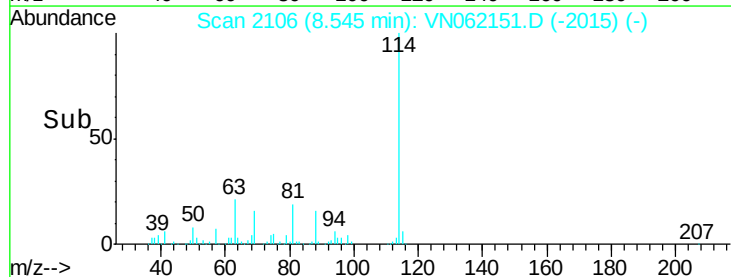
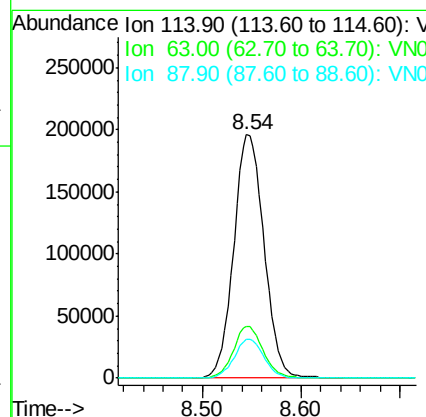
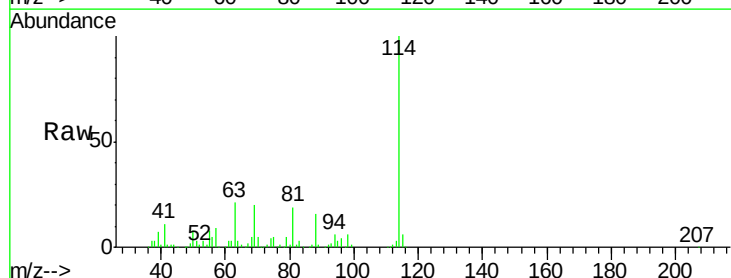
Manual Integrations
 APPROVED

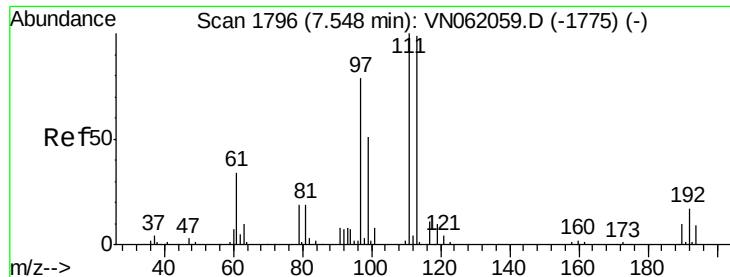
MMDadoda
 6/29/2020 12:35:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	39.2	
88	15.9	0.0	30.8	





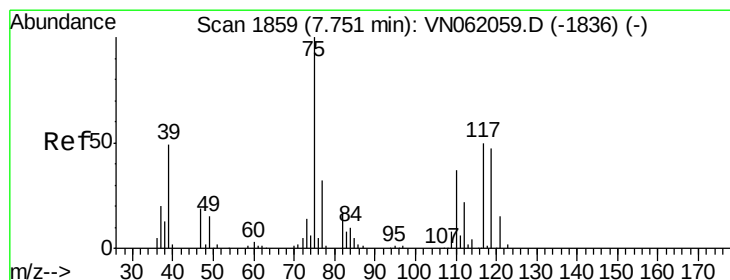
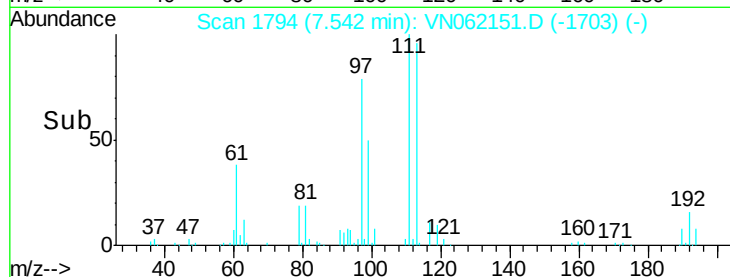
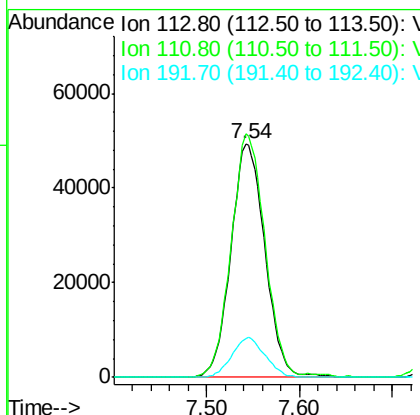
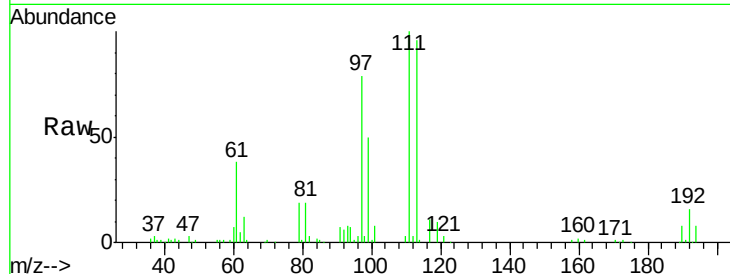
#35
 Dibromofluoromethane
 Concen: 46.596 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125490		
111	103.3	82.2	123.4	
192	16.7	14.0	21.0	

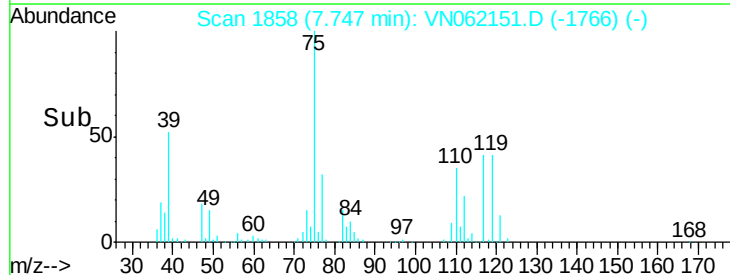
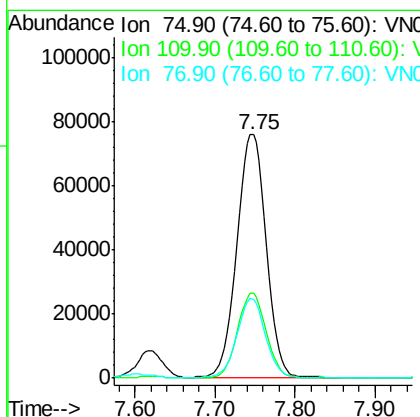
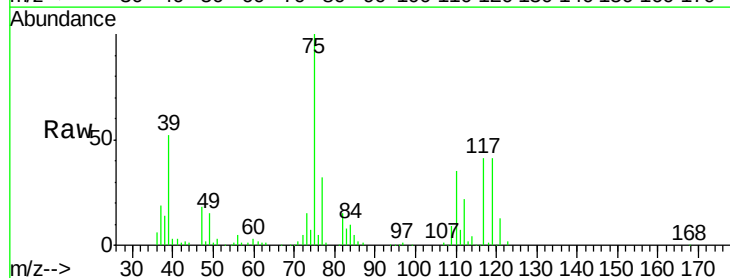
Manual Integrations
 APPROVED

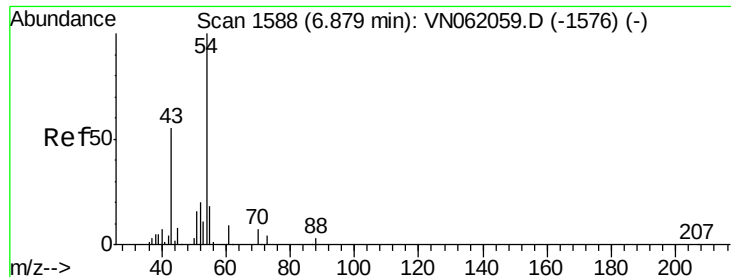
MMDadoda
 6/29/2020 12:35:42 PM



#36
 1,1-Dichloropropene
 Concen: 44.281 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	186845		
110	34.2	17.9	53.8	
77	32.1	24.9	37.3	





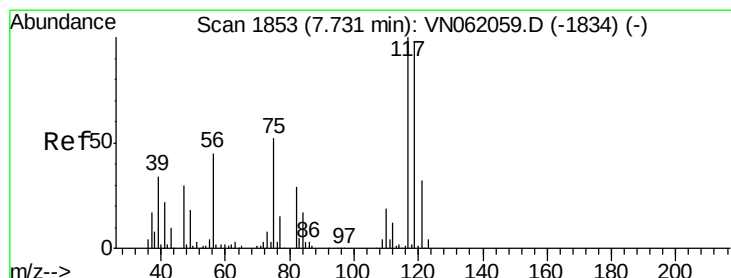
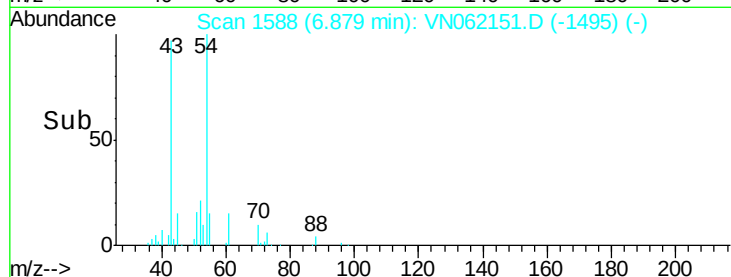
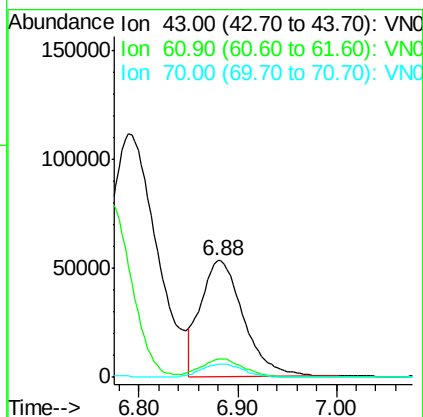
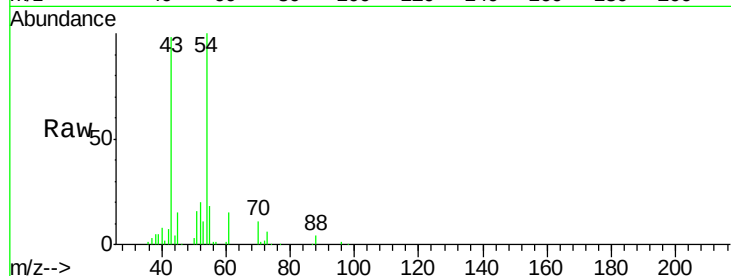
#37
Ethyl Acetate
Concen: 46.017 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	43	Resp	160784
Ion Ratio	Lower	Upper	
43	100		
61	15.7	12.0	18.0
70	11.3	9.6	14.4

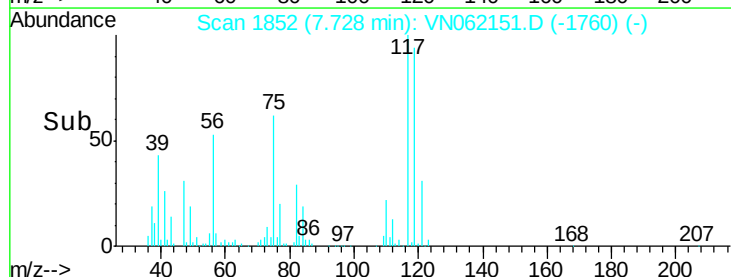
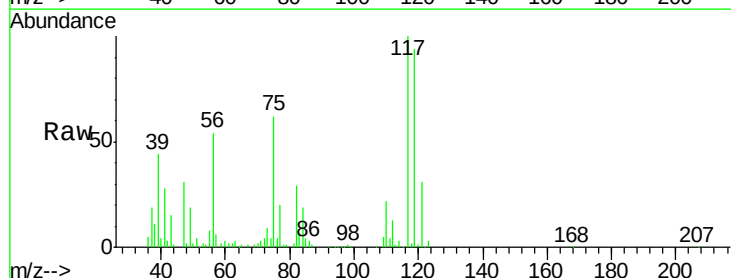
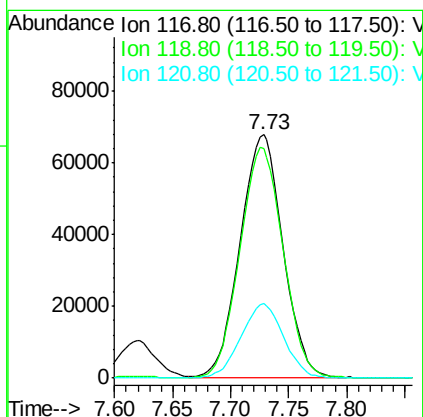
Manual Integrations
APPROVED

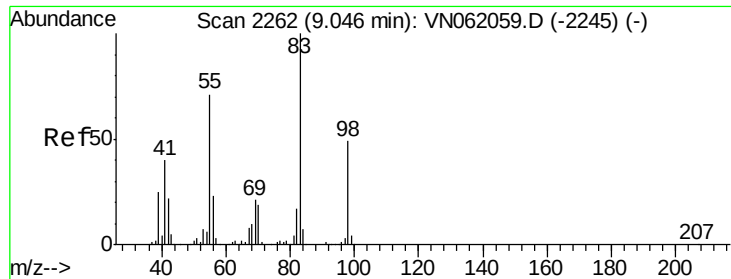
MMDadoda
6/29/2020 12:35:42 PM



#38
Carbon Tetrachloride
Concen: 43.580 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	117	Resp	173364
Ion Ratio	Lower	Upper	
117	100		
119	94.5	78.2	117.2
121	30.8	25.8	38.6





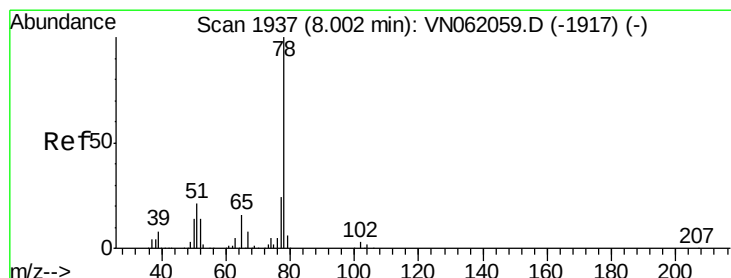
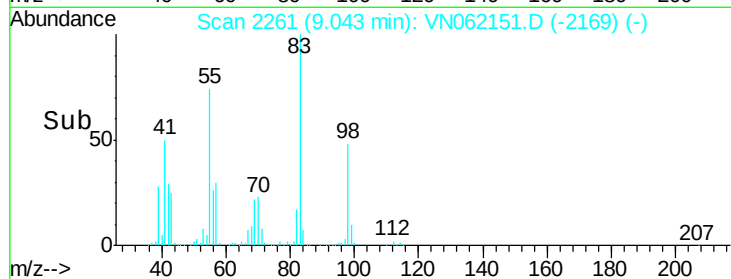
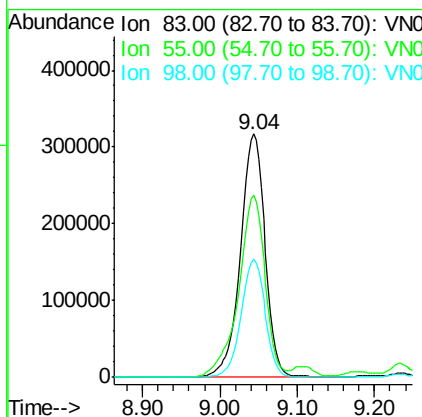
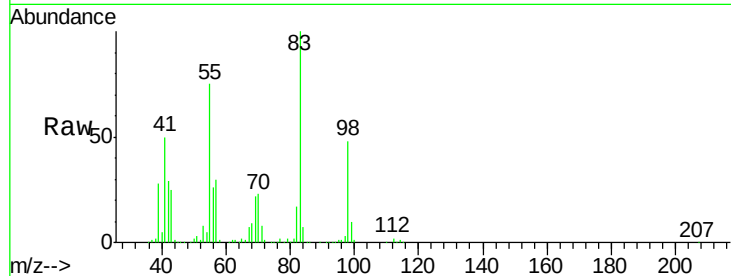
#39
Methylvlcyclohexane
Concen: 152.084 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.5		57.0	85.6
98	48.4		39.0	58.6

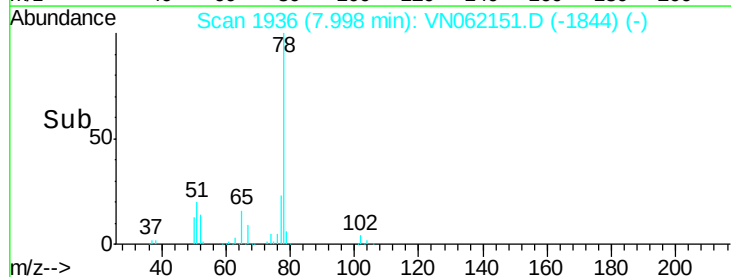
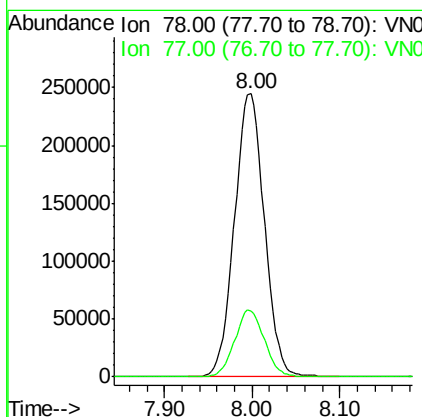
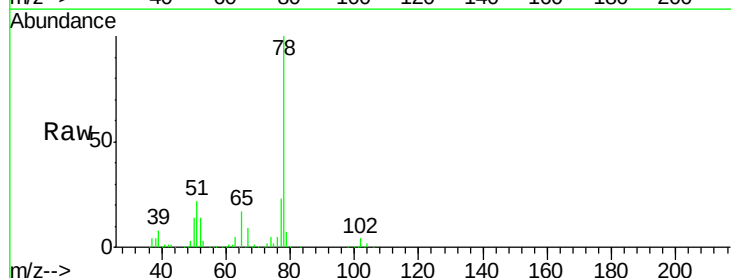
Manual Integrations
APPROVED

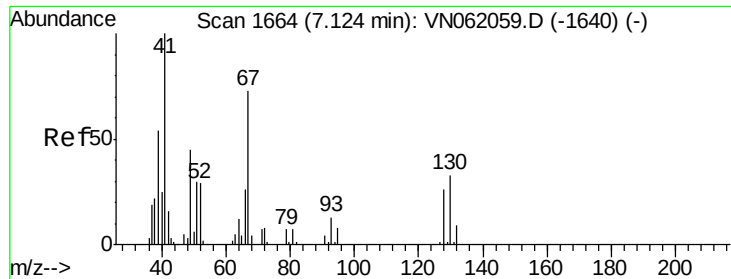
MMDadoda
6/29/2020 12:35:42 PM



#40
Benzene
Concen: 45.275 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4		19.5	29.3





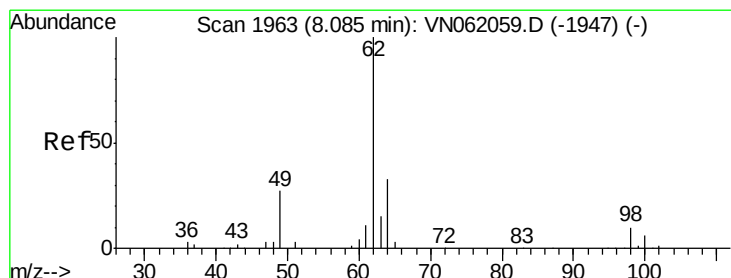
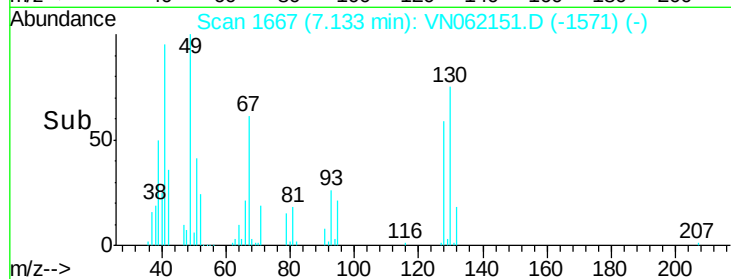
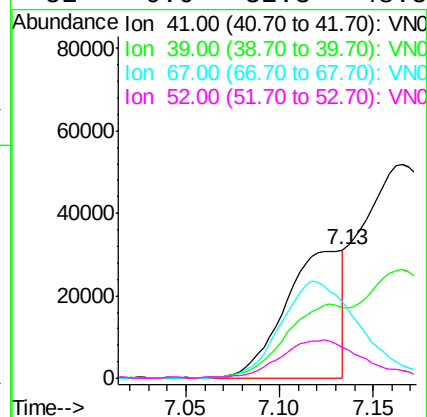
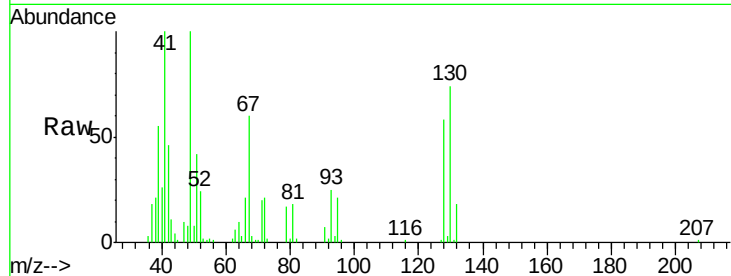
#41
Methacrylonitrile
Concen: 40.639 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#

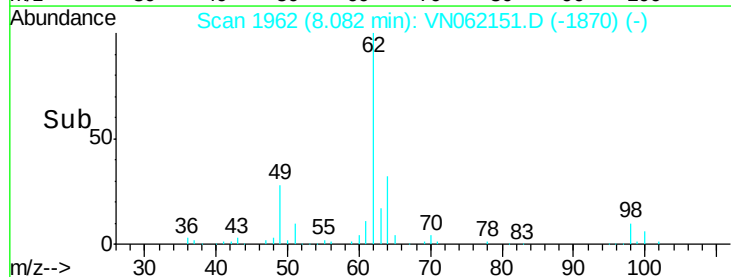
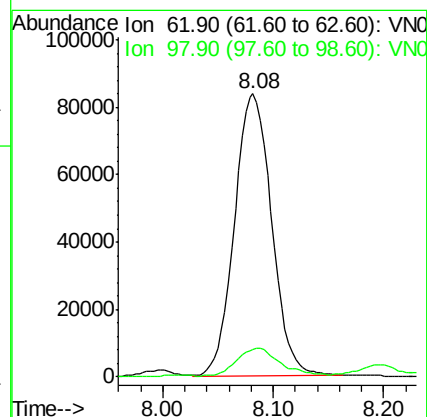
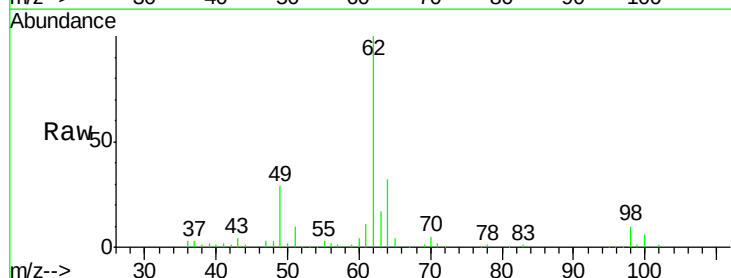
Manual Integrations
APPROVED

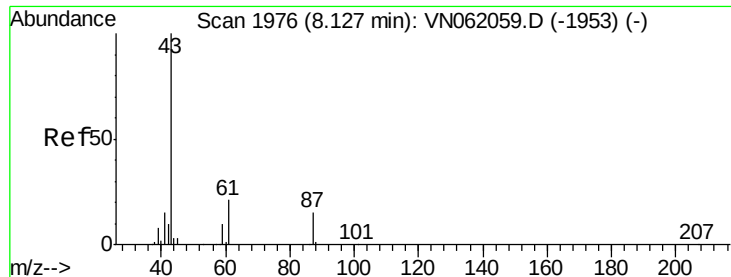
MMDadoda
6/29/2020 12:35:42 PM



#42
1,2-Dichloroethane
Concen: 45.062 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	19.8





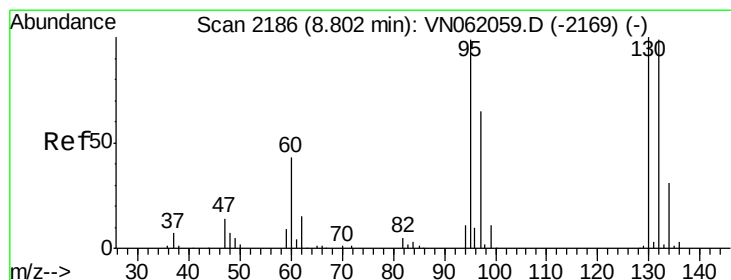
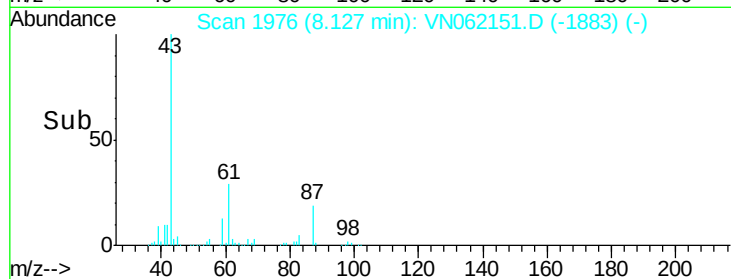
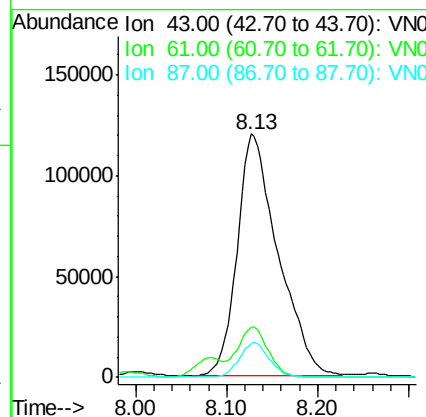
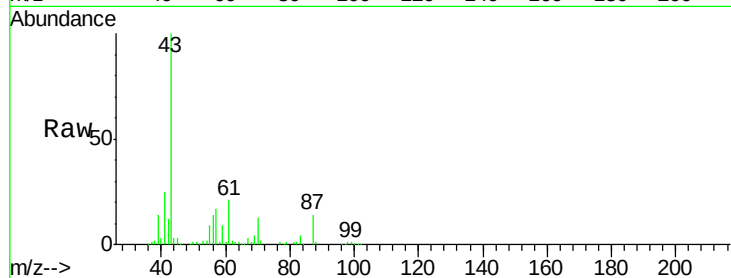
#43
Isopropyl Acetate
Concen: 65.663 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	17.2	25.8#
87	10.5	12.1	18.1#

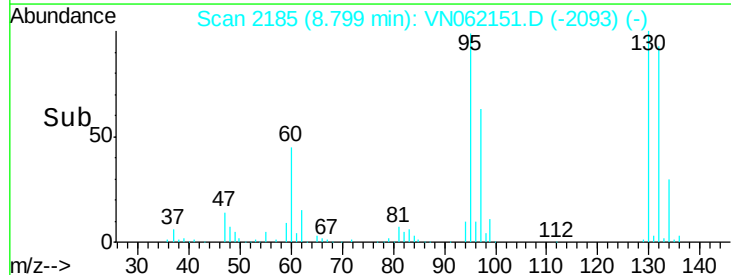
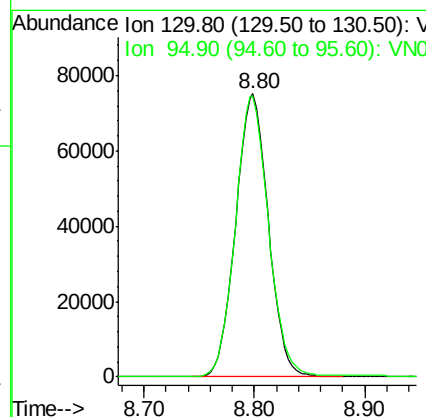
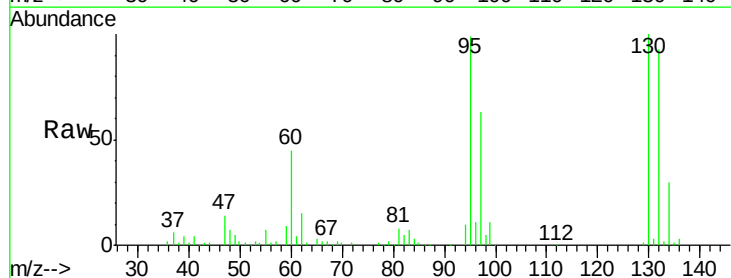
Manual Integrations
APPROVED

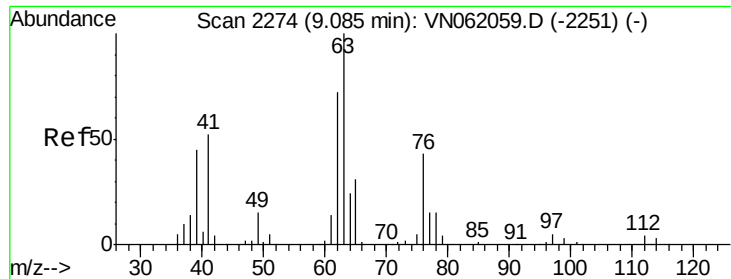
MMDadoda
6/29/2020 12:35:42 PM



#44
Trichloroethene
Concen: 47.437 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	197.8





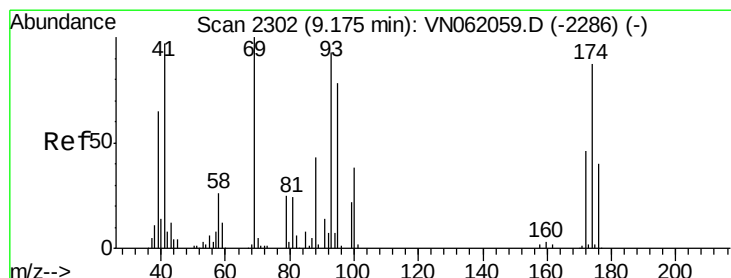
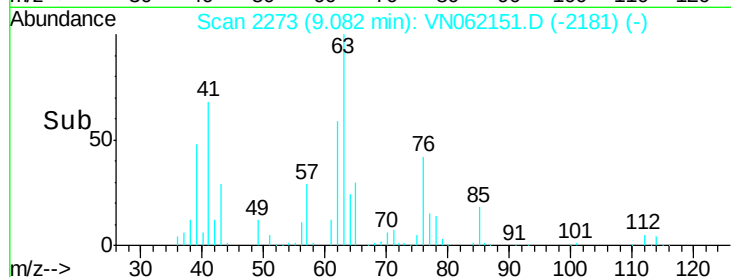
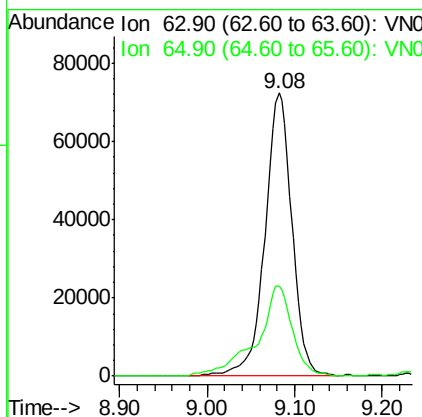
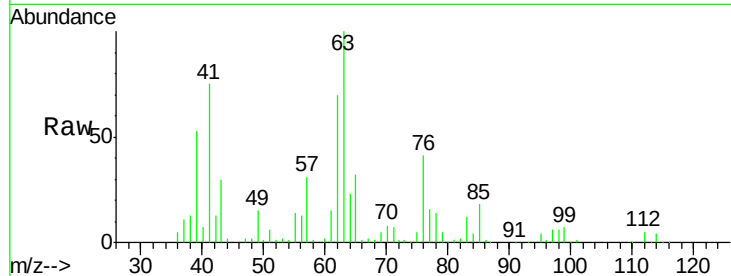
#45
 1,2-Dichloropropane
 Concen: 48.778 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion: 63 Resp: 154767
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

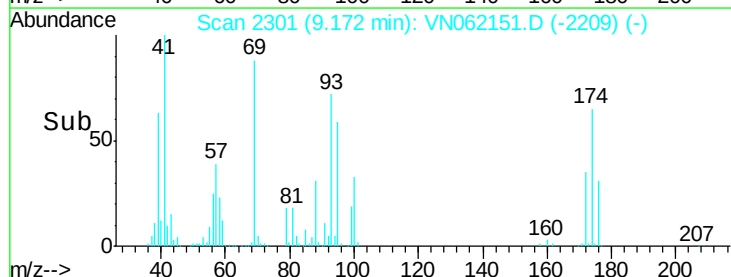
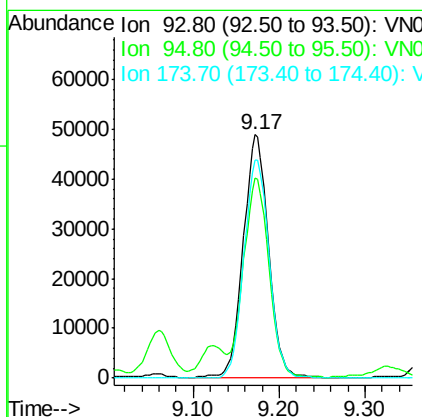
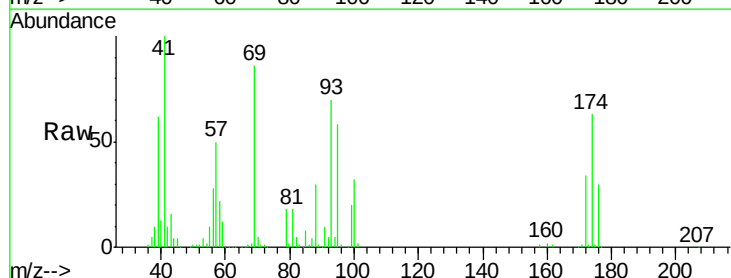
Manual Integrations
 APPROVED

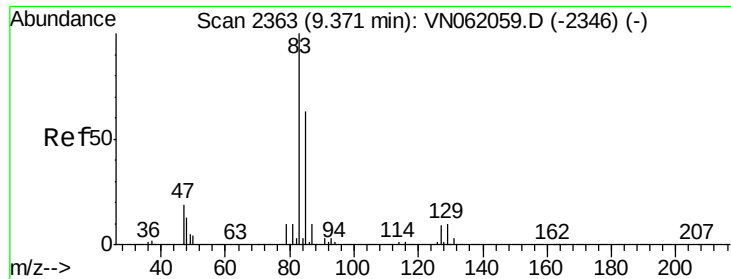
MMDadoda
 6/29/2020 12:35:42 PM



#46
 Dibromomethane
 Concen: 46.627 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion: 93 Resp: 100305
 Ion Ratio Lower Upper
 93 100
 95 81.2 67.0 100.6
 174 89.2 74.4 111.6





#47

Bromodichloromethane

Concen: 54.438 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

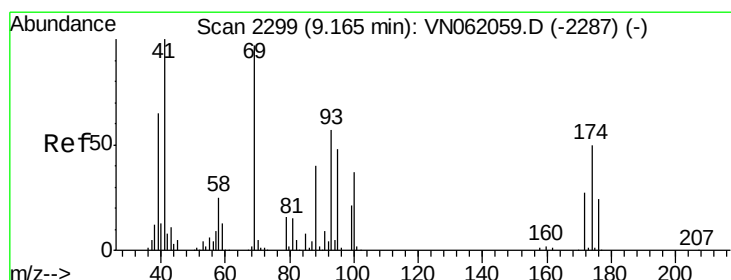
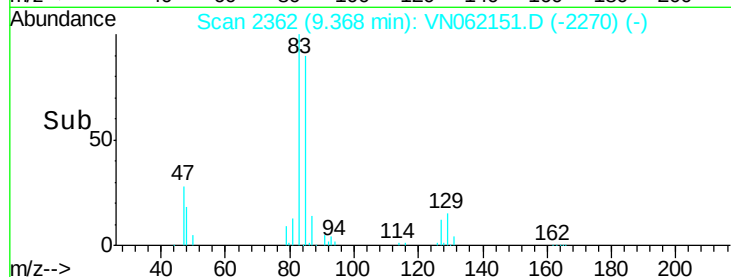
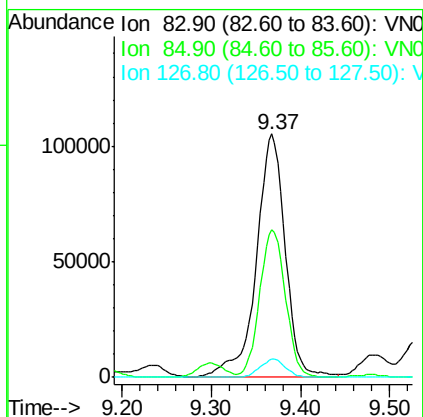
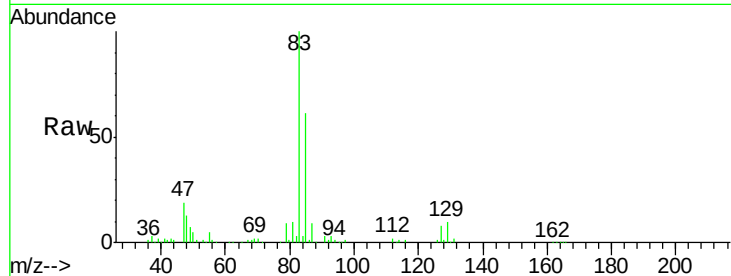
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:	83	Resp:	236457
Ion Ratio	Lower	Upper	
83	100		
85	60.7	50.3	75.5
127	7.6	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#48

Methyl methacrylate

Concen: 50.507 ug/l

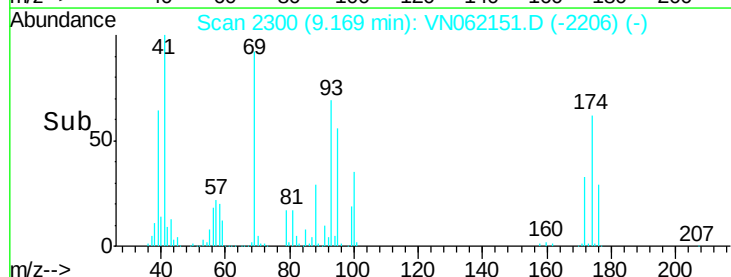
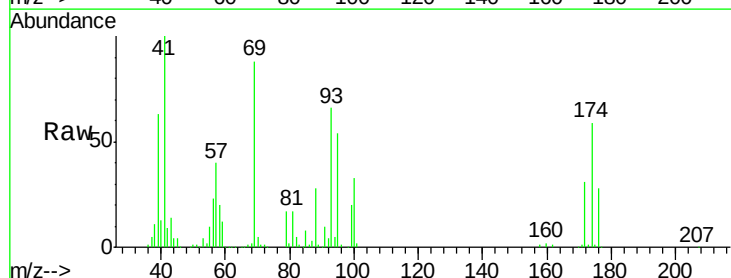
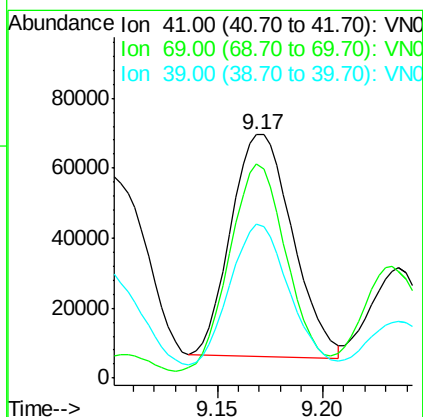
RT: 9.17 min Scan# 2300

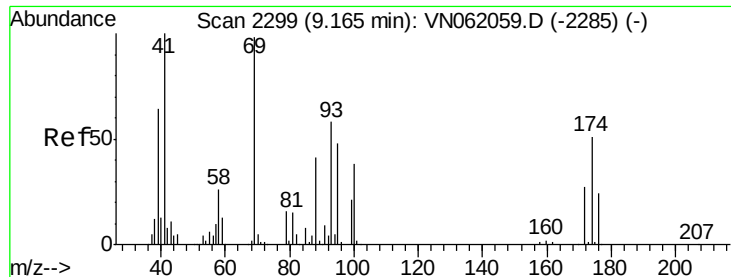
Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion:	41	Resp:	128988
Ion Ratio	Lower	Upper	
41	100		
69	91.5	80.7	121.1
39	66.7	54.5	81.7





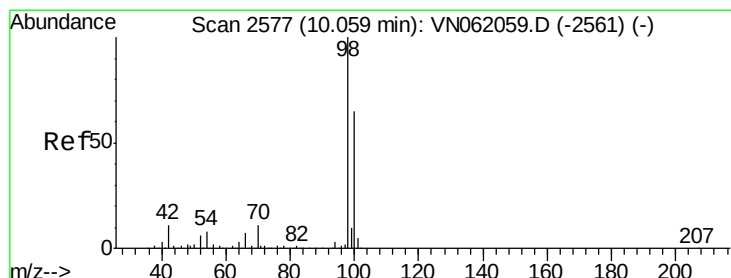
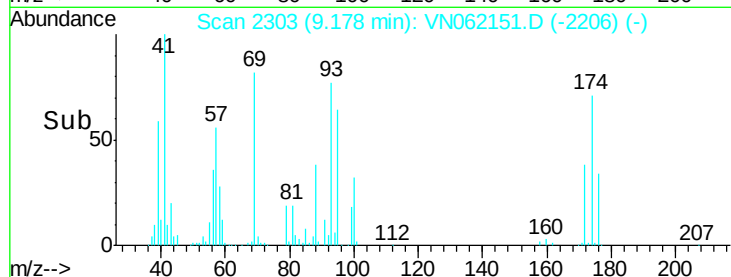
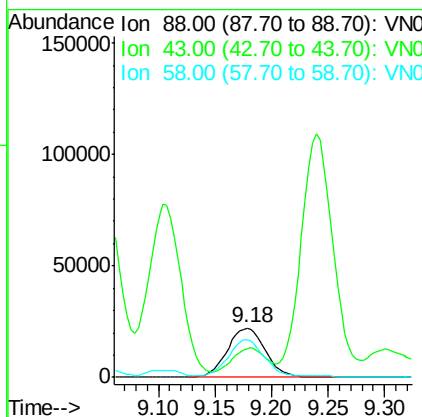
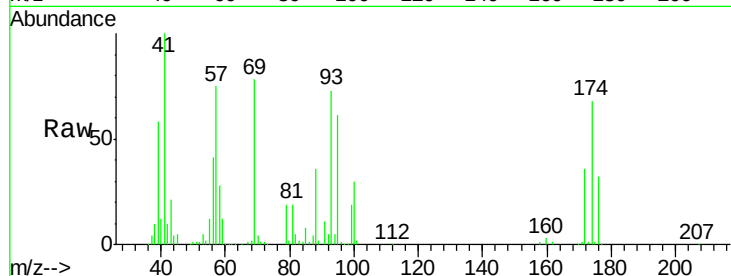
#49
1,4-Dioxane
Concen: 922.918 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.1	22.0	33.0#
58	66.7	49.2	73.8

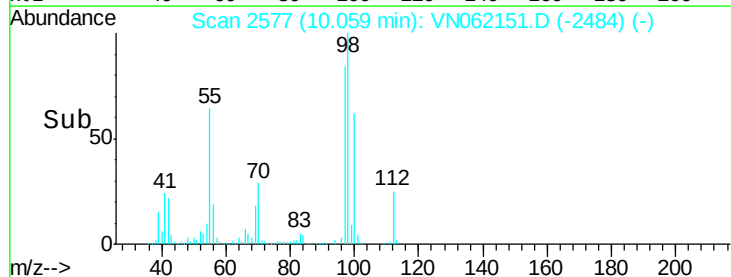
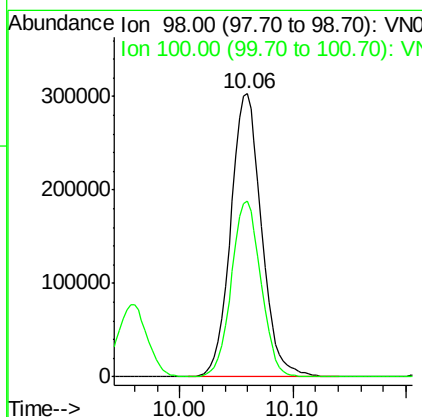
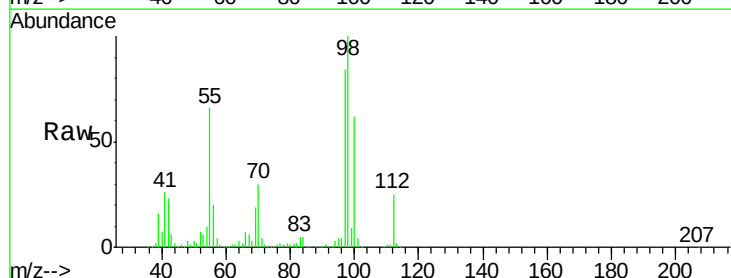
Manual Integrations
APPROVED

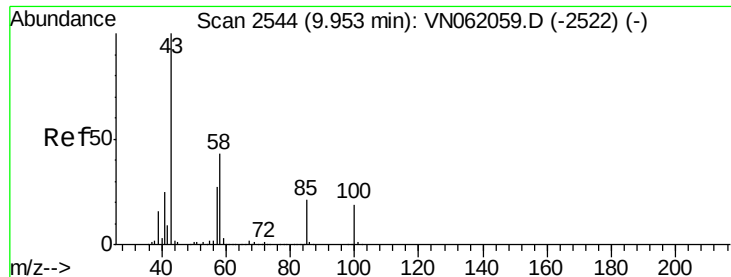
MMDadoda
6/29/2020 12:35:42 PM



#50
Toluene-d8
Concen: 53.251 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	59.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 246.887 ug/l m

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 43 Resp: 821592

Ion Ratio Lower Upper

43 100

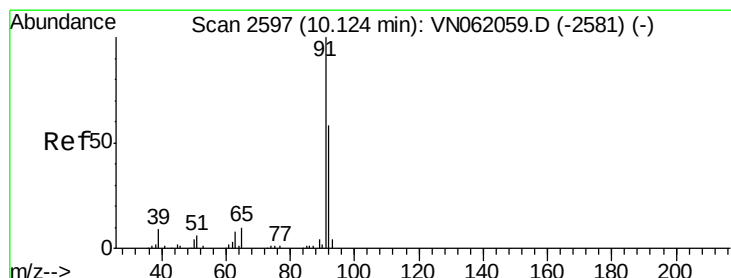
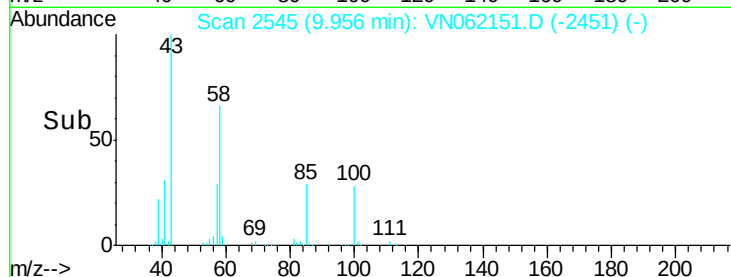
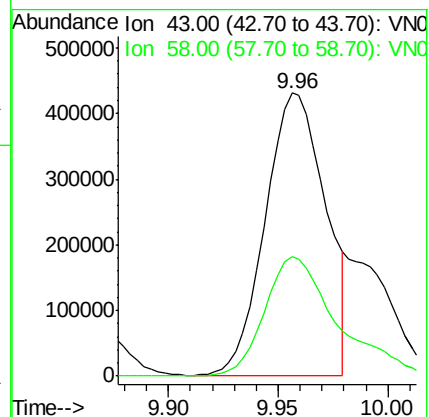
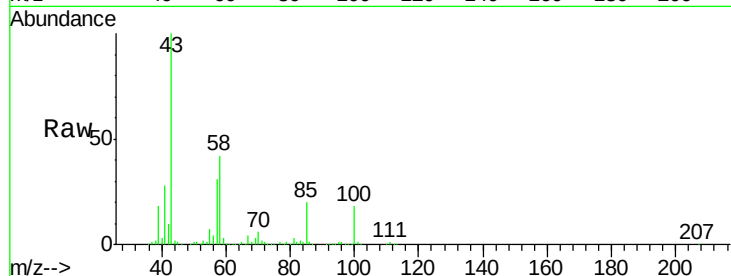
58 50.9 34.2 51.2

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#52

Toluene

Concen: 49.209 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062151.D

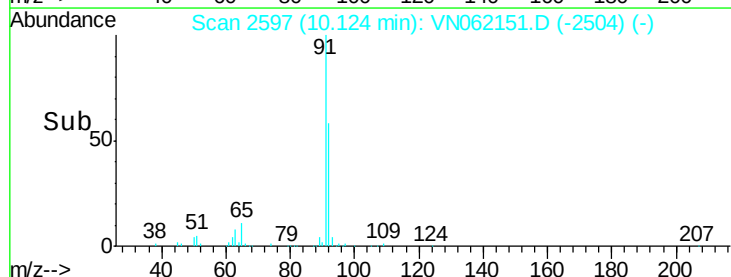
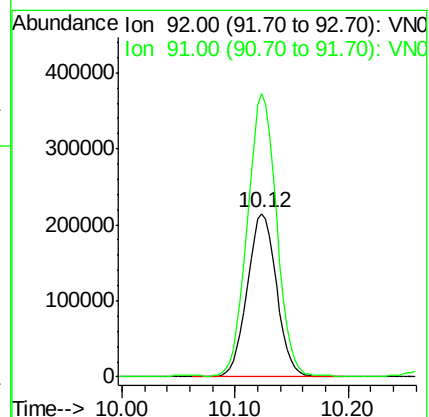
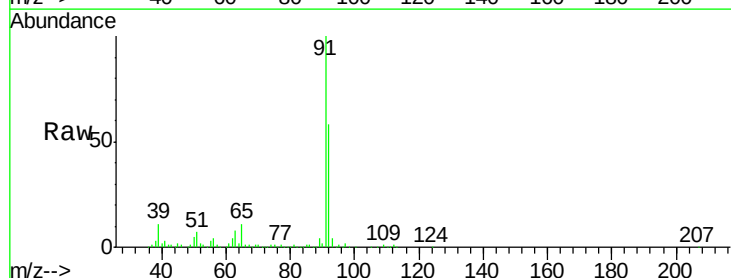
Acq: 26 Jun 2020 19:51

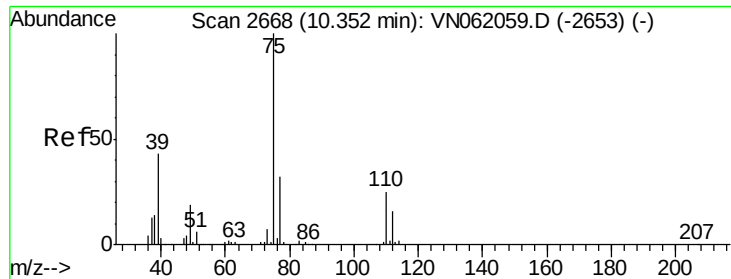
Tgt Ion: 92 Resp: 386148

Ion Ratio Lower Upper

92 100

91 172.6 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 47.784 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 75 Resp: 228349

Ion Ratio Lower Upper

75 100

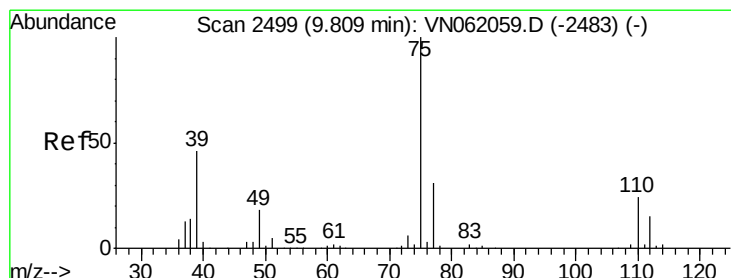
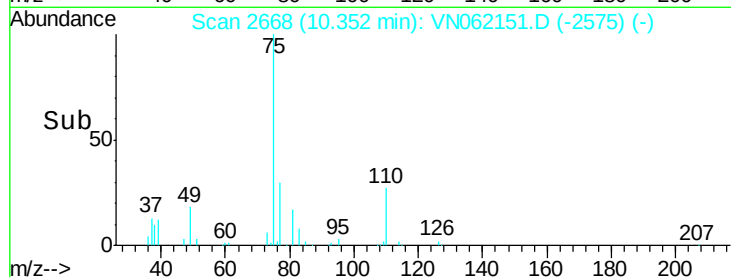
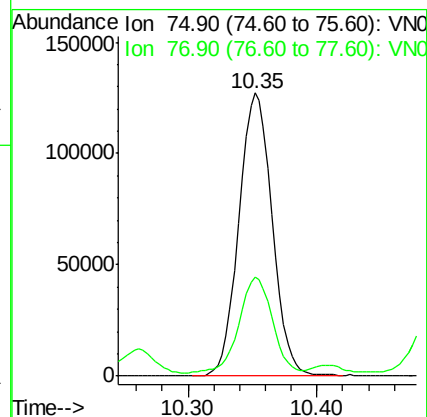
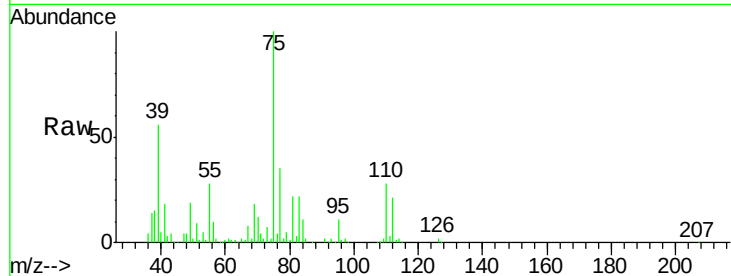
77 33.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#54

cis-1,3-Dichloropropene

Concen: 48.835 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

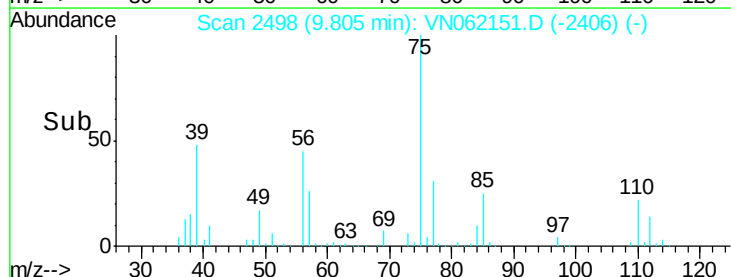
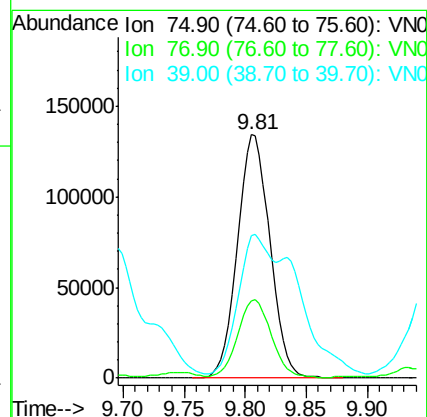
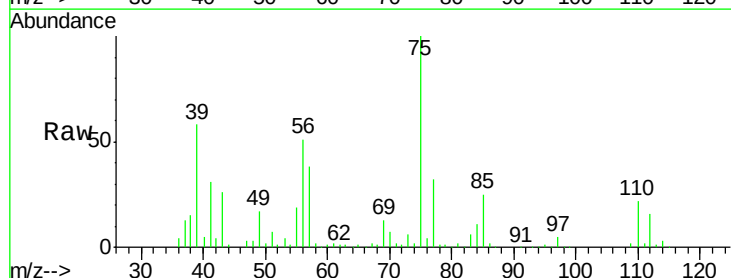
Tgt Ion: 75 Resp: 248457

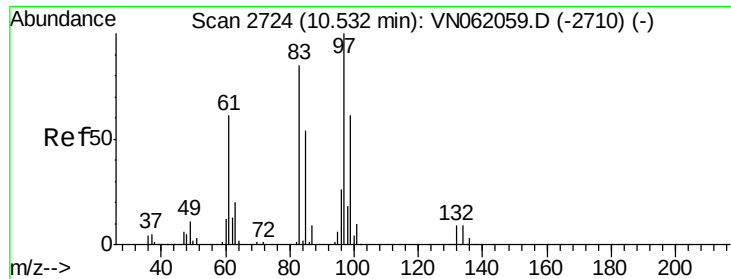
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 54.6 36.9 55.3





#55

1,1,2-Trichloroethane

Concen: 43.730 ug/l m

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

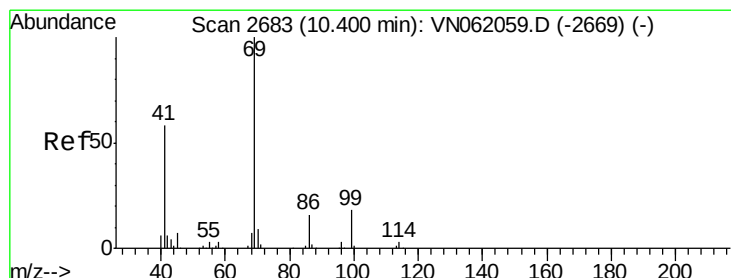
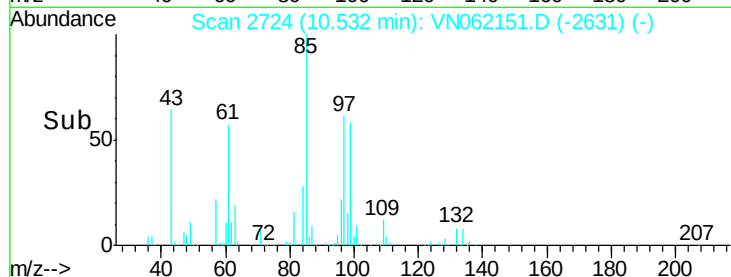
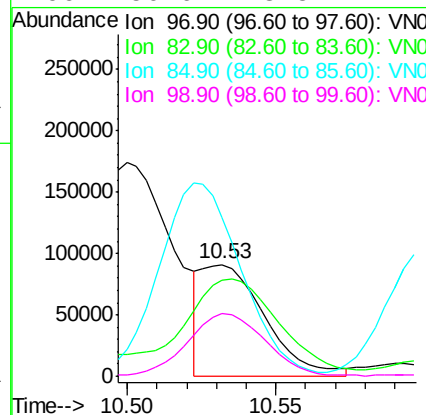
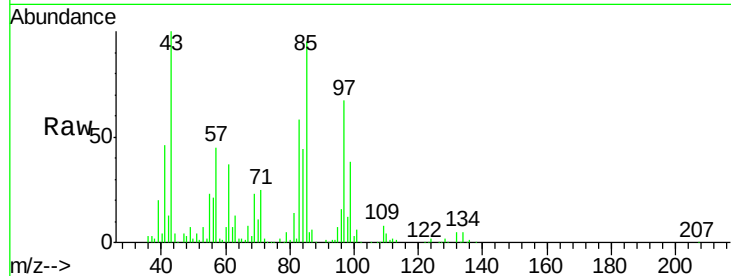
MW-27(16.5-18.5)MS

Tot Ion: 97 Resp: 134893

Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.2	102.2
85	143.1	43.2	64.8#
99	56.6	48.5	72.7

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#56

Ethyl methacrylate

Concen: 54.497 ug/l

RT: 10.40 min Scan# 2684

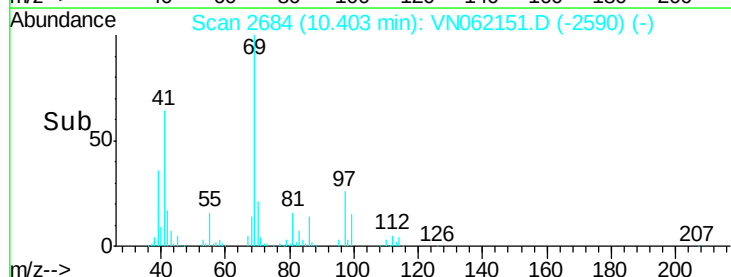
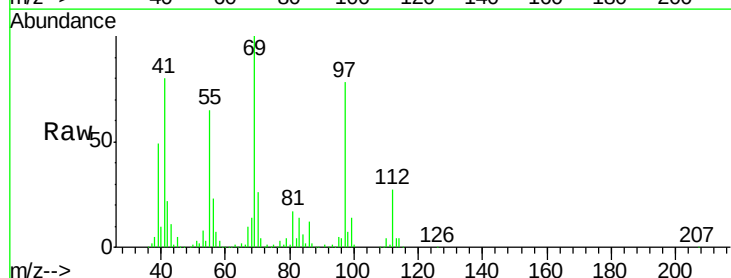
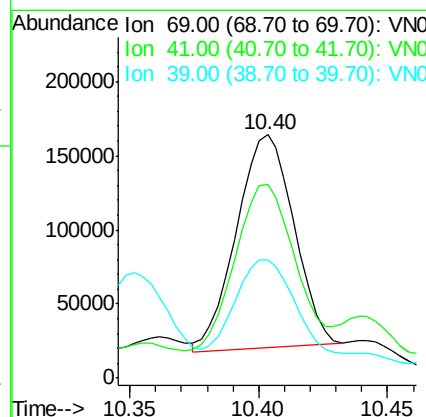
Delta R.T. 0.00 min

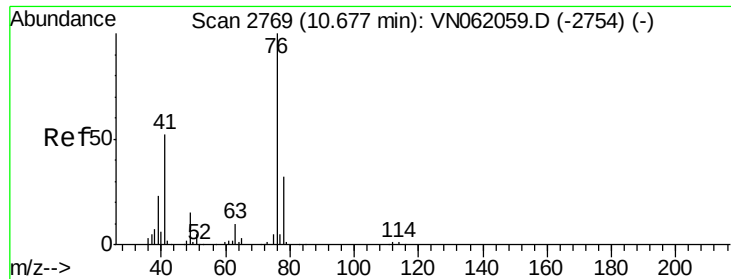
Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion: 69 Resp: 224341

Ion	Ratio	Lower	Upper
69	100		
41	82.0	46.6	70.0#
39	62.5	31.0	46.4#





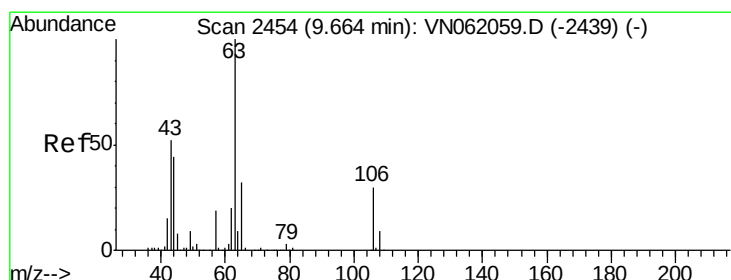
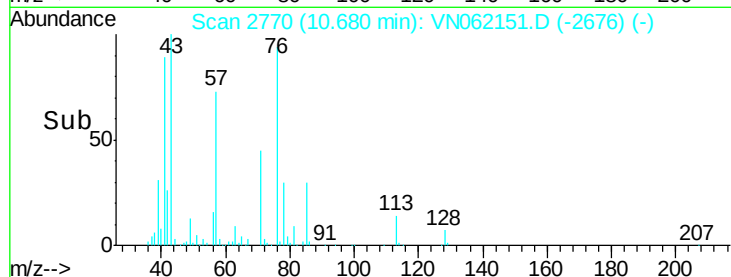
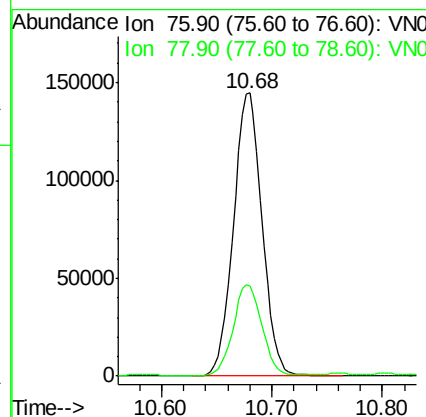
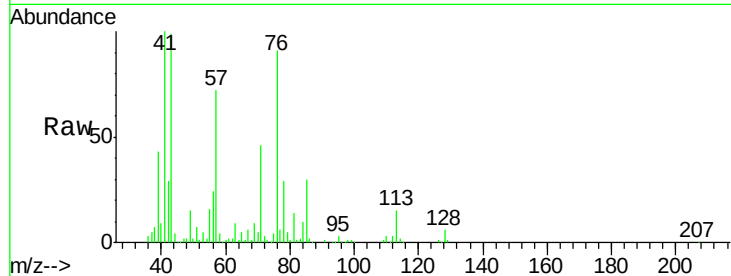
#57
 1,3-Dichloropropane
 Concen: 48.968 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

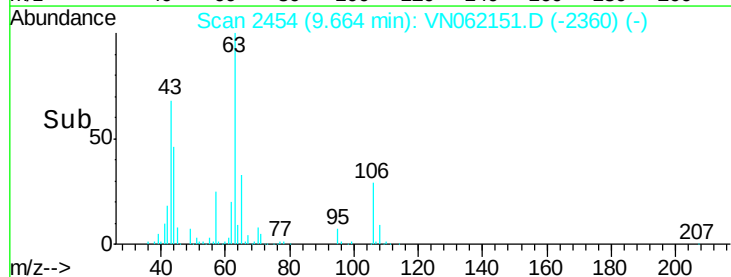
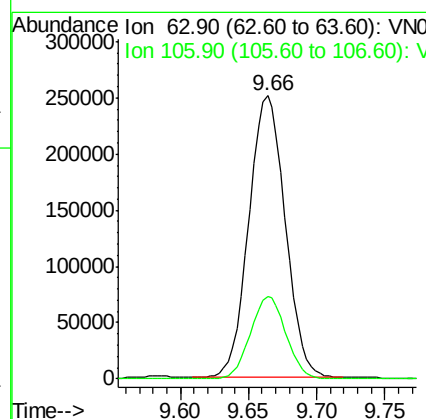
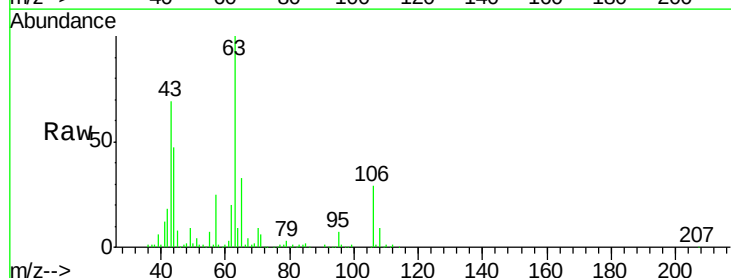
Manual Integrations
 APPROVED

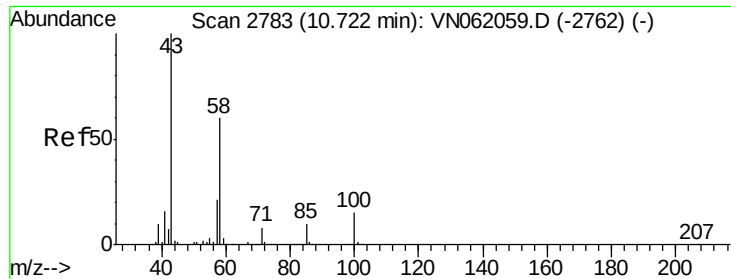
MMDadoda
 6/29/2020 12:35:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.974 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.2	34.8





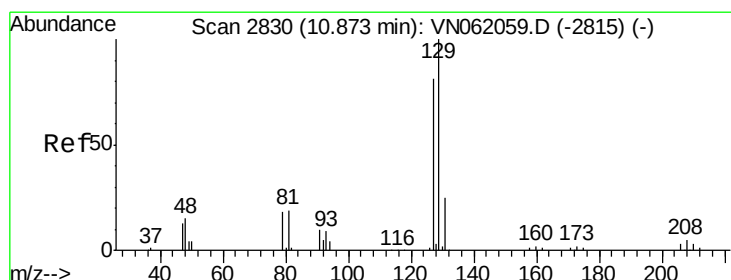
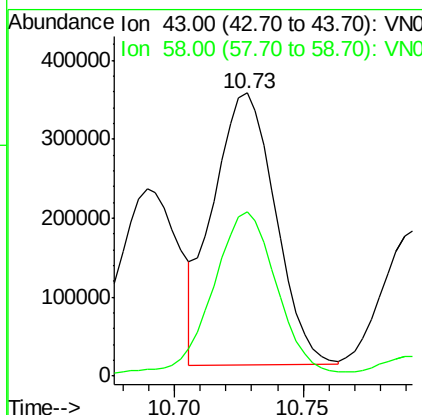
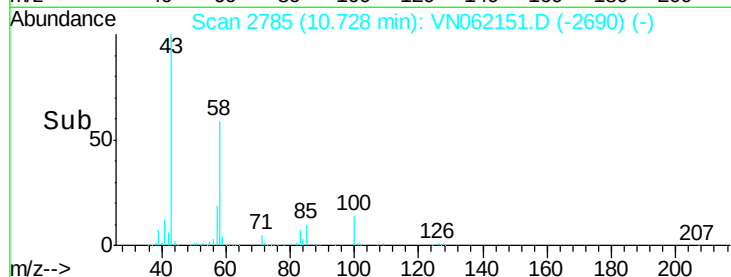
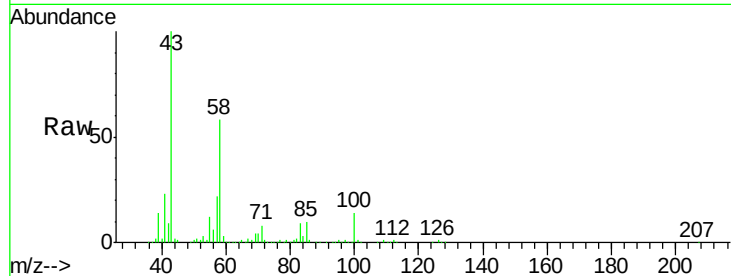
#59
2-Hexanone
Concen: 239.994 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion: 43 Resp: 576706
Ion Ratio Lower Upper
43 100
58 63.9 29.5 88.5

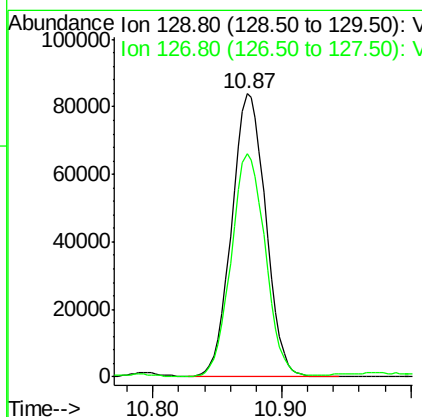
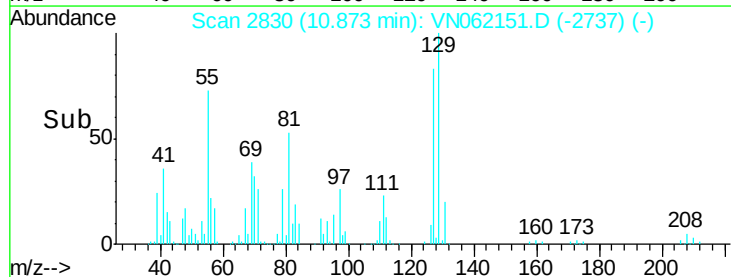
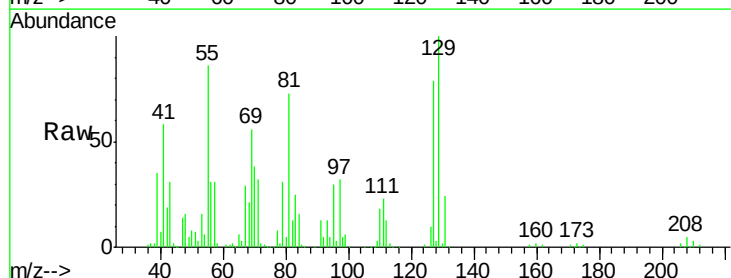
Manual Integrations
APPROVED

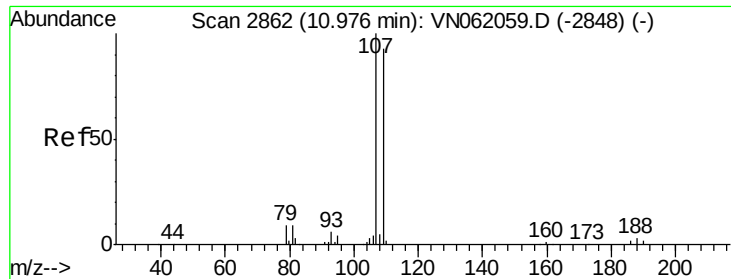
MMDadoda
6/29/2020 12:35:42 PM



#60
Dibromochloromethane
Concen: 47.084 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion: 129 Resp: 153765
Ion Ratio Lower Upper
129 100
127 78.7 39.5 118.5





#61

1,2-Dibromoethane

Concen: 49.374 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:107 Resp: 156493

Ion Ratio Lower Upper

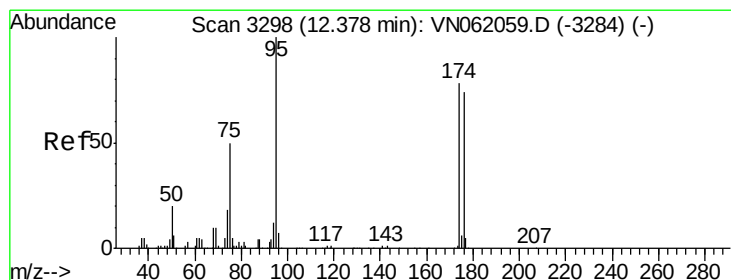
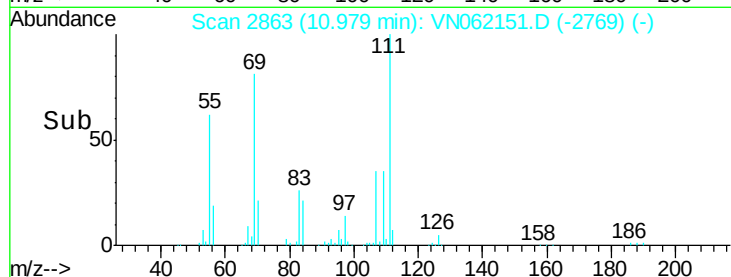
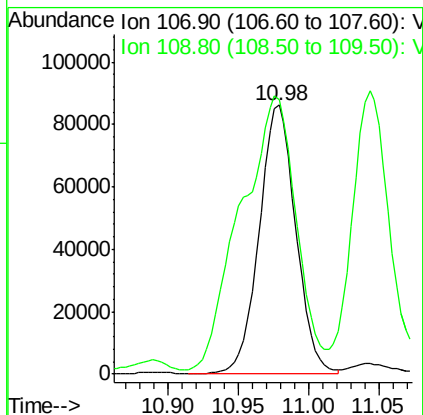
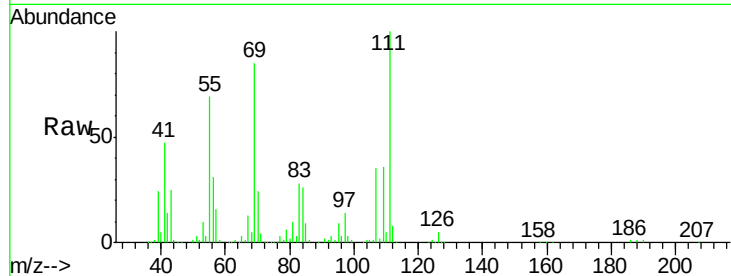
107 100

109 151.9 75.0 112.6#

Manual Integrations
APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#62

4-Bromofluorobenzene

Concen: 82.842 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

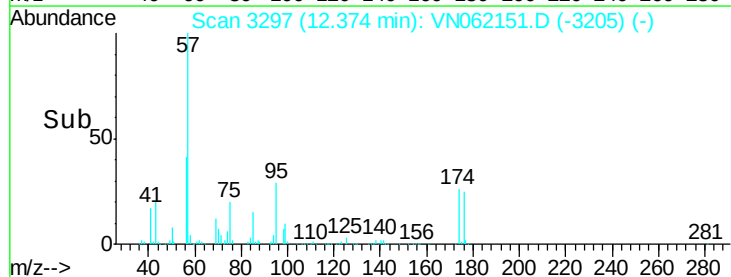
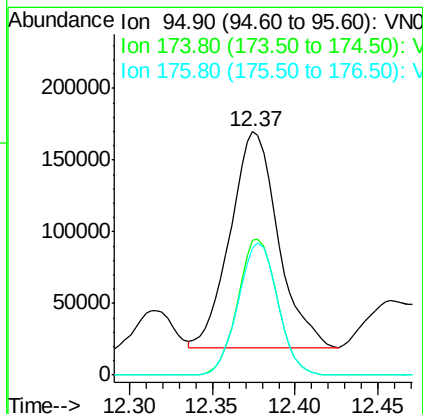
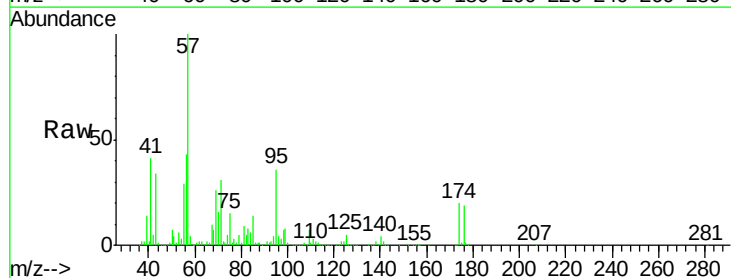
Tgt Ion: 95 Resp: 301314

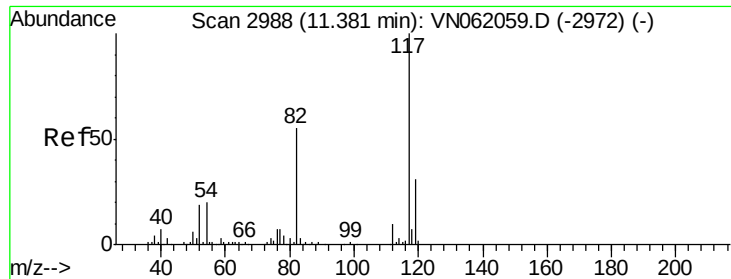
Ion Ratio Lower Upper

95 100

174 52.6 0.0 154.8

176 50.9 0.0 147.4





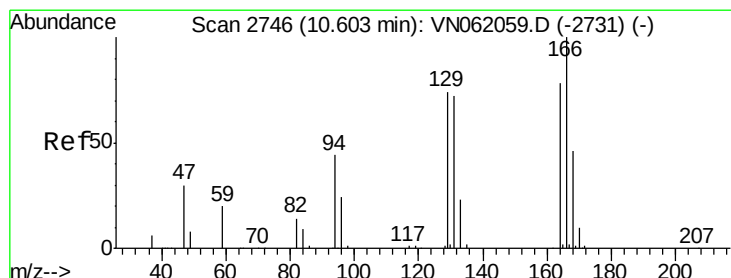
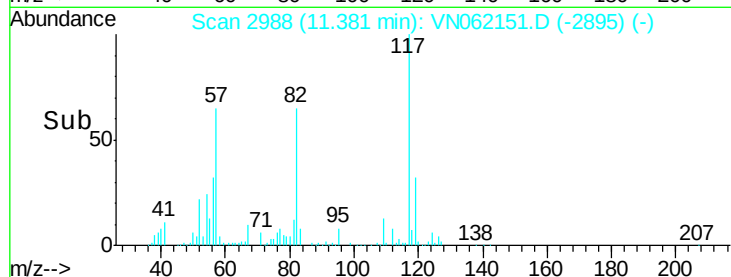
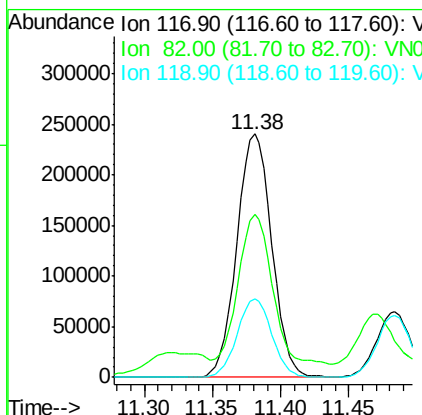
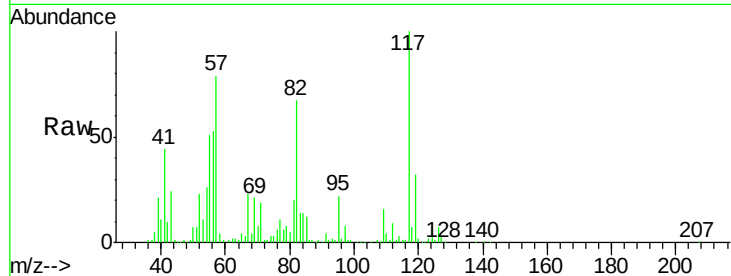
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	43.8	65.8
119	32.5	25.2	37.8

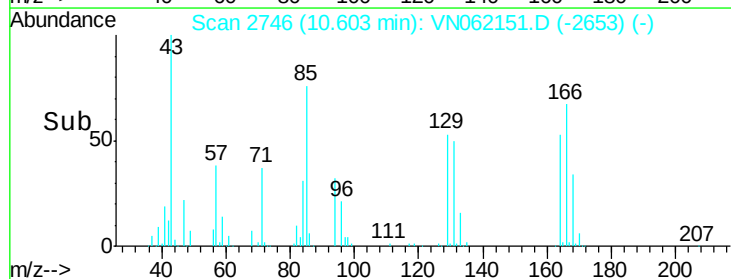
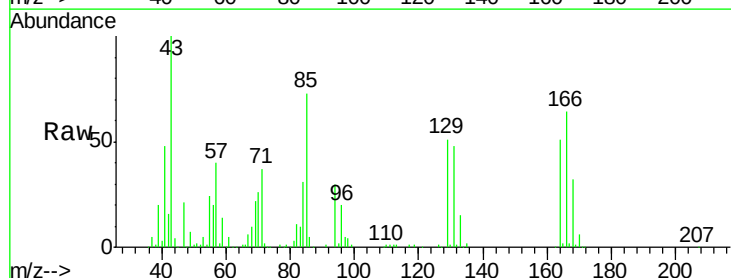
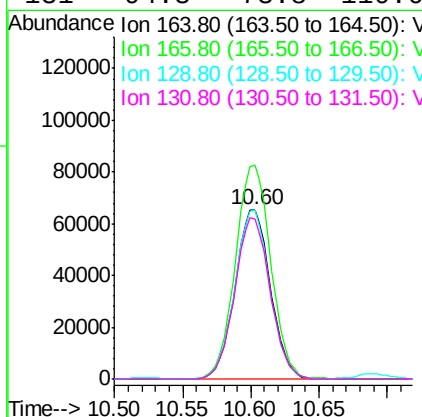
Manual Integrations
APPROVED

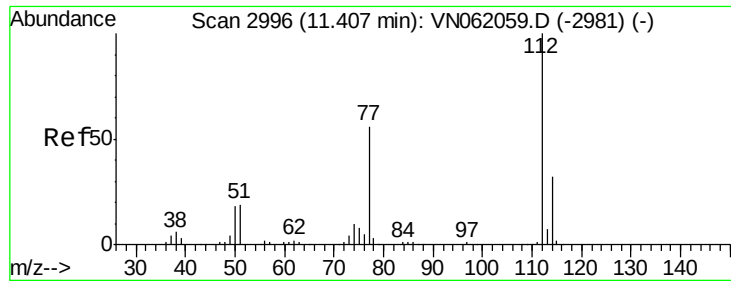
MMDadoda
6/29/2020 12:35:42 PM



#64
Tetrachloroethene
Concen: 40.266 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.9	154.3
129	99.5	75.8	113.8
131	94.3	73.8	110.6





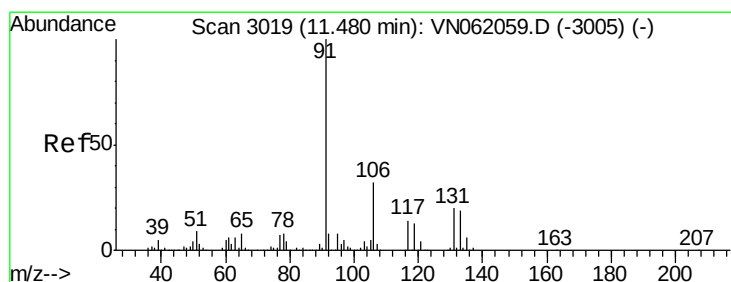
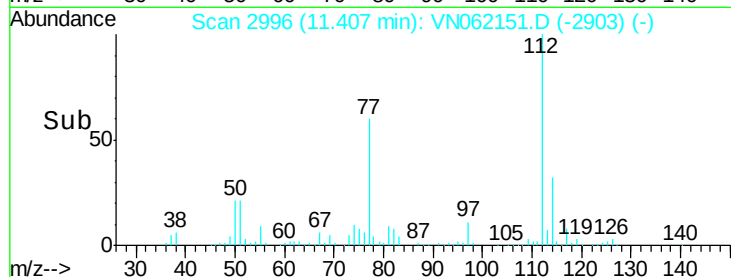
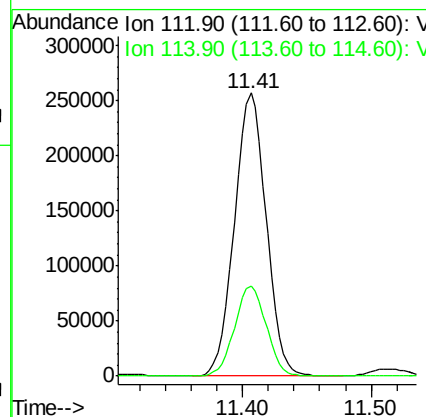
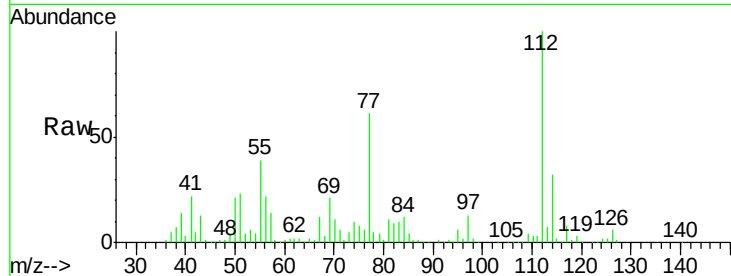
#65
Chlorobenzene
Concen: 46.801 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion:112 Resp: 439268
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8

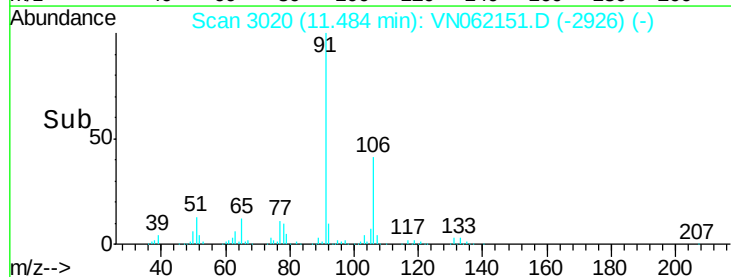
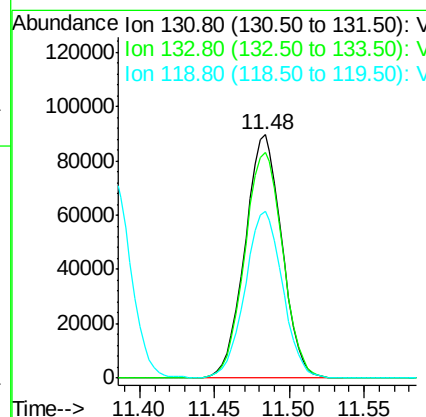
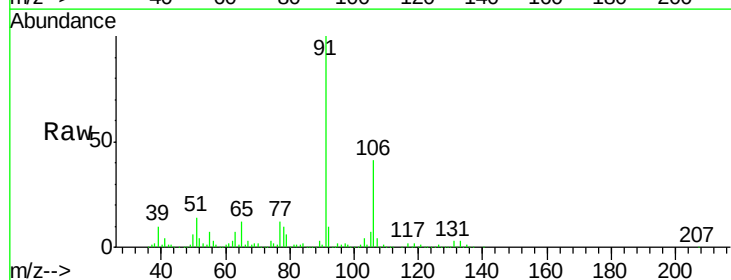
Manual Integrations
APPROVED

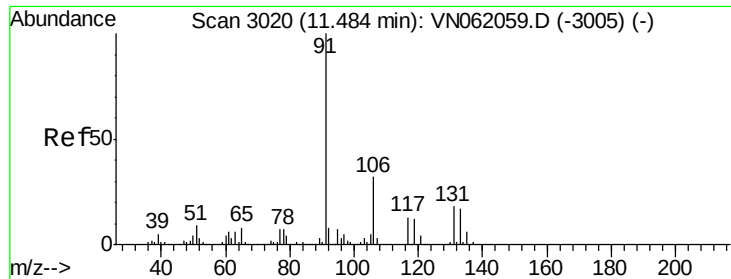
MMDadoda
6/29/2020 12:35:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.401 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion:131 Resp: 153841
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 69.6 34.4 103.3





#67

Ethyl Benzene

Concen: 324.867 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 91 Resp: 5149609

Ion Ratio Lower Upper

91 100

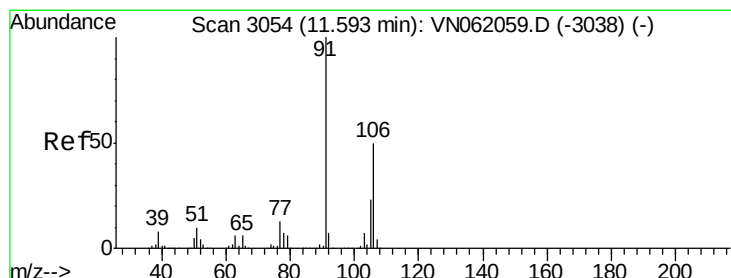
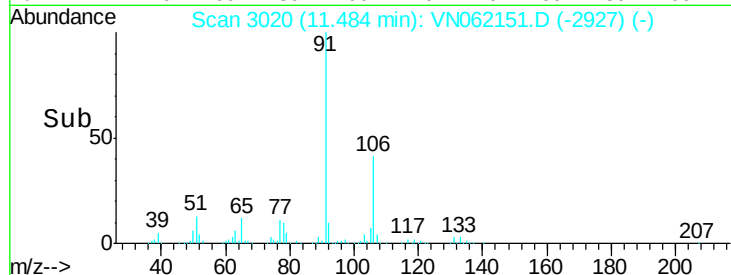
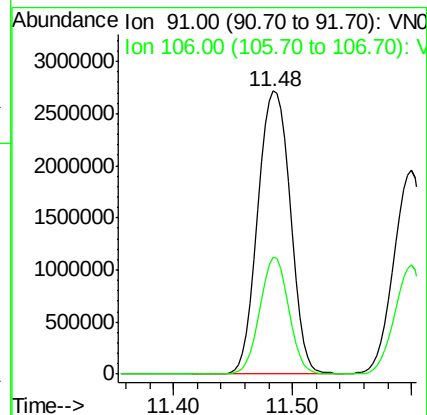
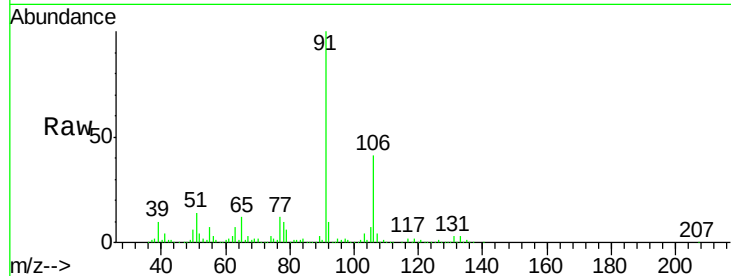
106 41.5 25.3 37.9#

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#68

m/p-Xylenes

Concen: 310.805 ug/l

RT: 11.60 min Scan# 3056

Delta R.T. 0.01 min

Lab File: VN062151.D

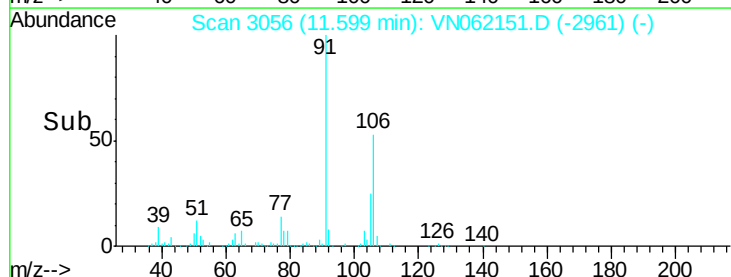
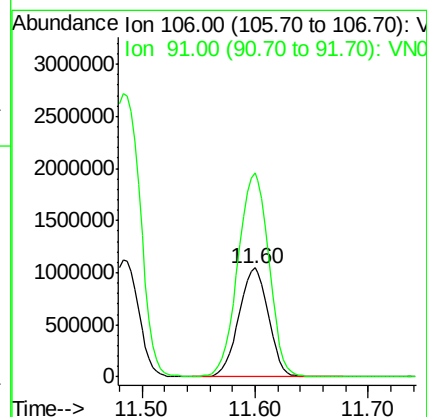
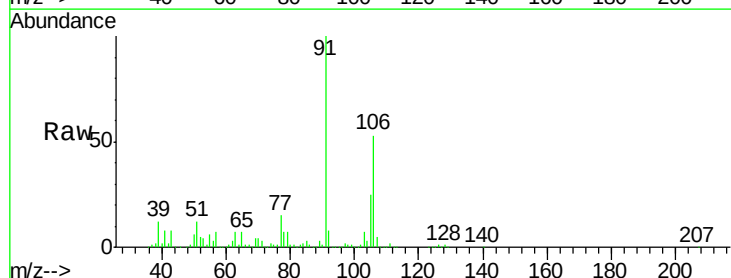
Acq: 26 Jun 2020 19:51

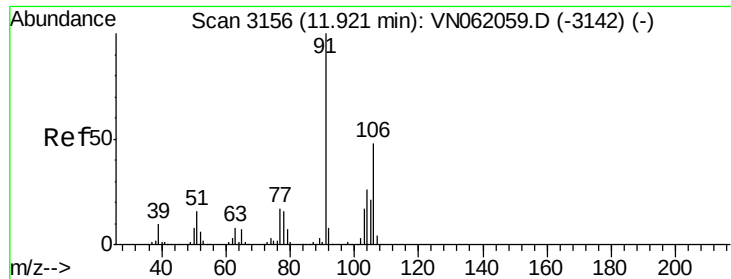
Tgt Ion: 106 Resp: 1905569

Ion Ratio Lower Upper

106 100

91 194.4 157.8 236.8





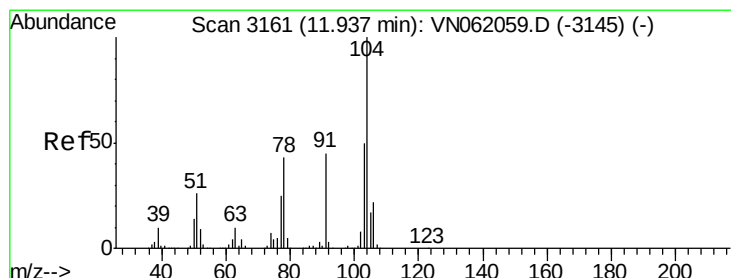
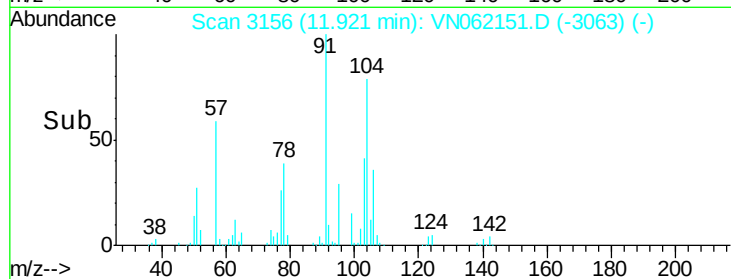
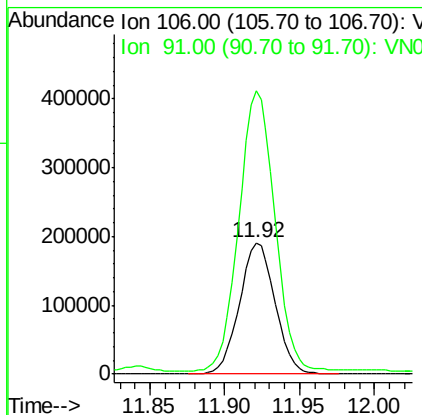
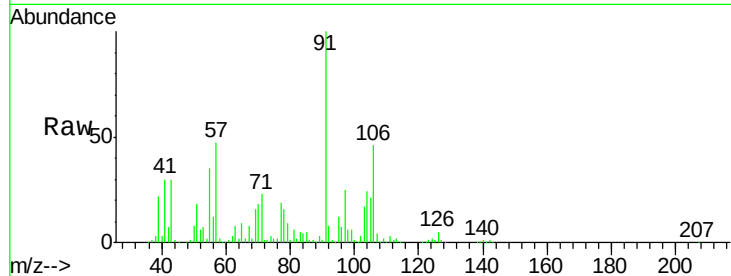
#69
o-Xylene
Concen: 54.442 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.8	104.0	314935		311.9

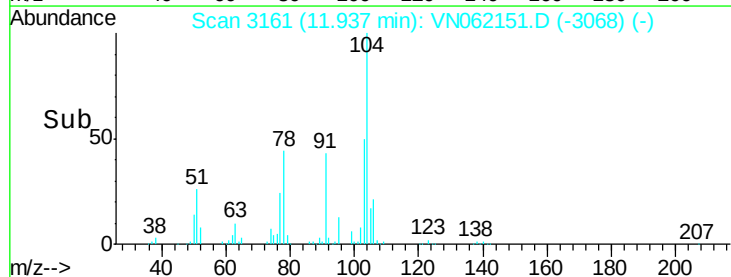
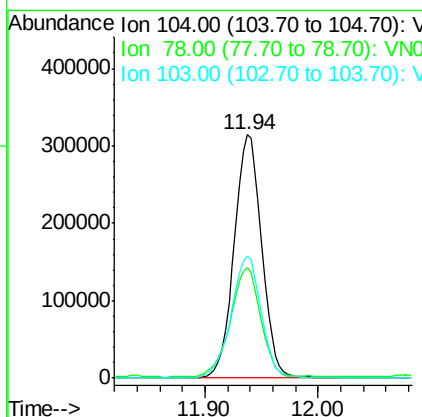
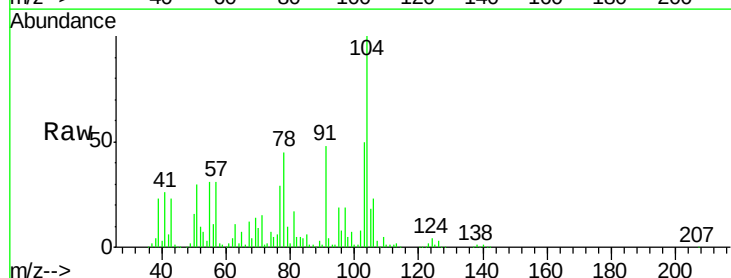
Manual Integrations
APPROVED

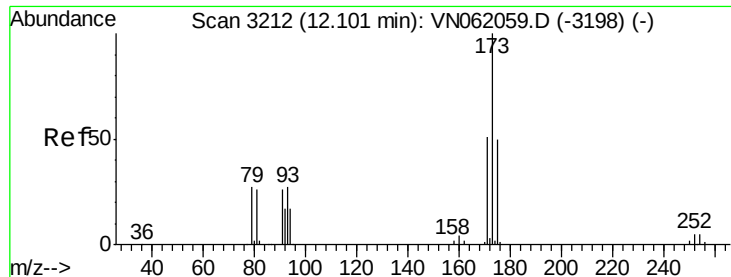
MMDadoda
6/29/2020 12:35:42 PM



#70
Styrene
Concen: 55.371 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.6	37.7	534187		56.5
103	54.3	43.0			64.6





#71

Bromoform

Concen: 47.730 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

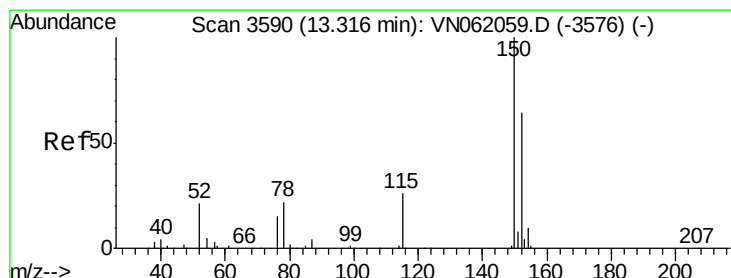
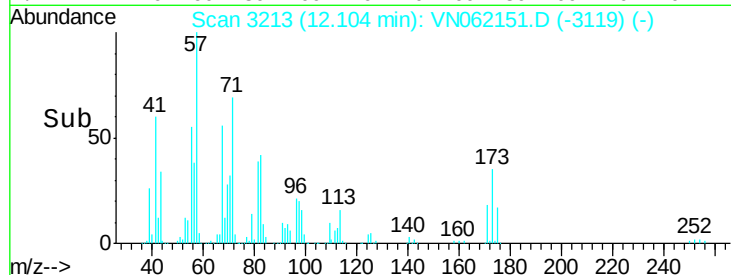
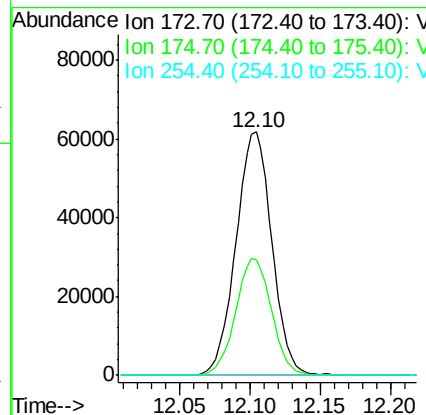
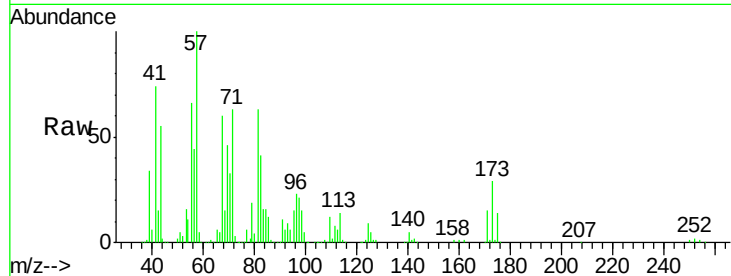
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

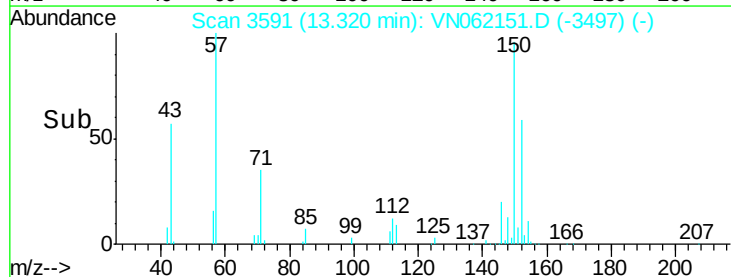
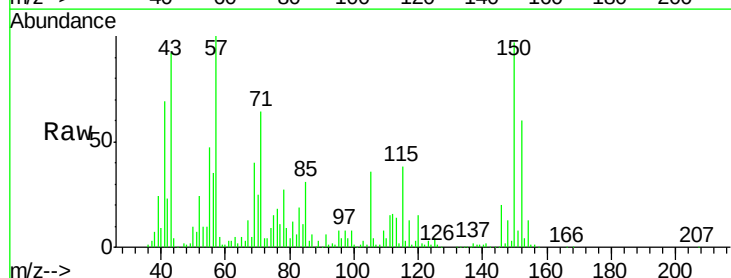
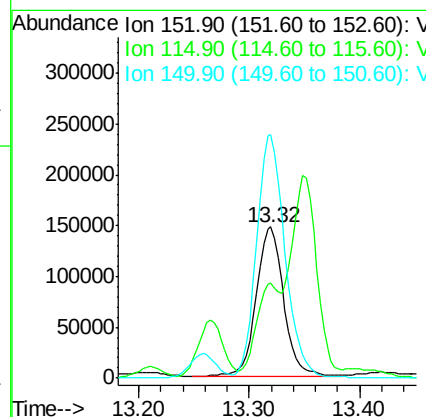
RT: 13.32 min Scan# 3591

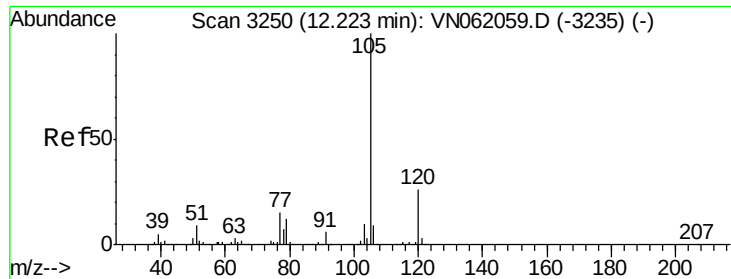
Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.4	29.5	88.5
150	166.3	0.0	351.4





#73

Isopropylbenzene

Concen: 104.291 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:105 Resp: 2047725

Ion Ratio Lower Upper

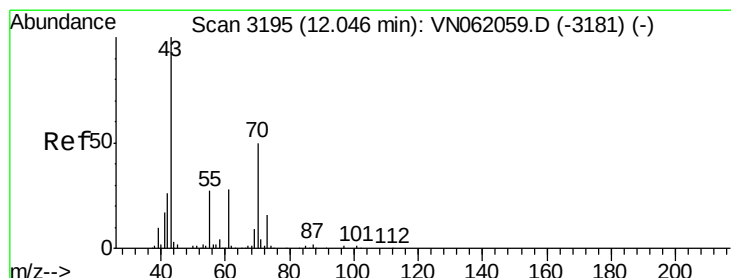
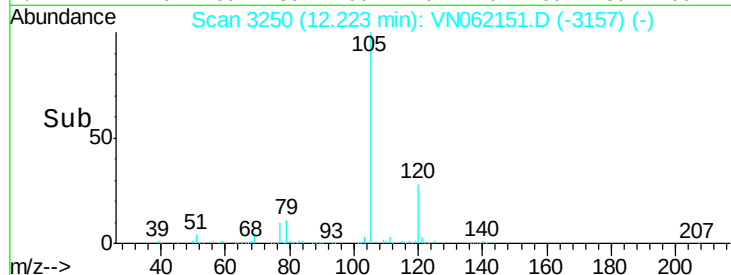
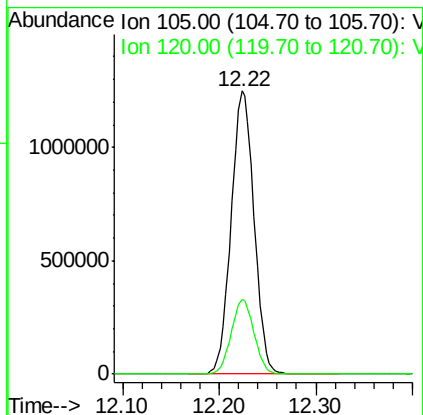
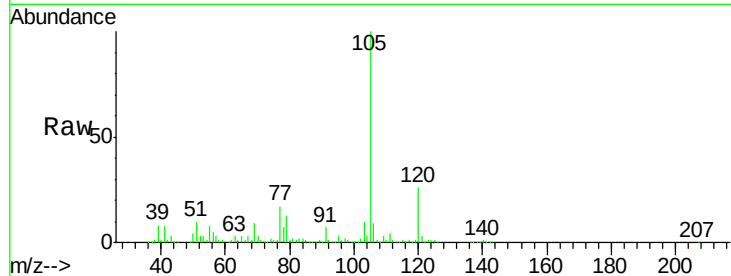
105 100

120 26.2 13.2 39.6

Manual Integrations
APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#74

N-ethyl acetate

Concen: 46.178 ug/l m

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion: 43 Resp: 331787

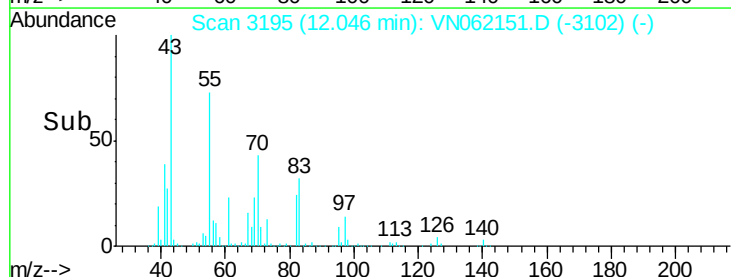
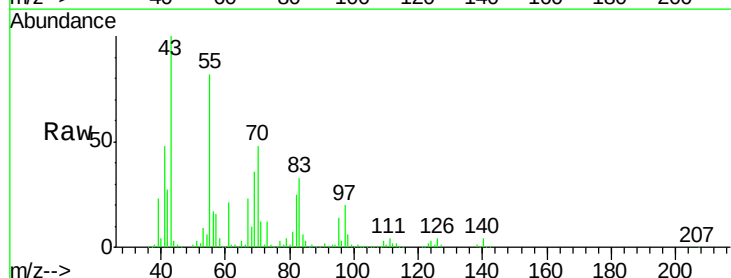
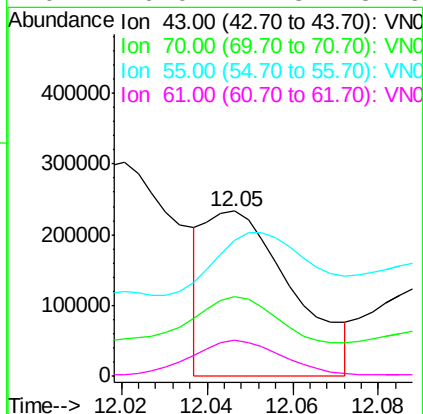
Ion Ratio Lower Upper

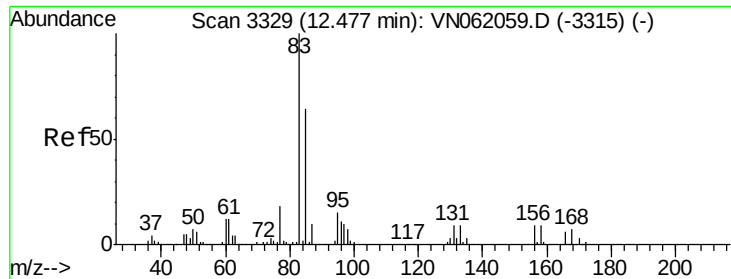
43 100

70 0.0 39.4 59.2#

55 10.5 21.7 32.5#

61 0.0 21.3 31.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 37.279 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 83 Resp: 243577

Ion Ratio Lower Upper

83 100

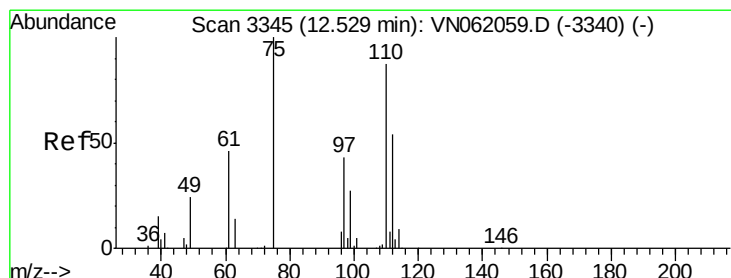
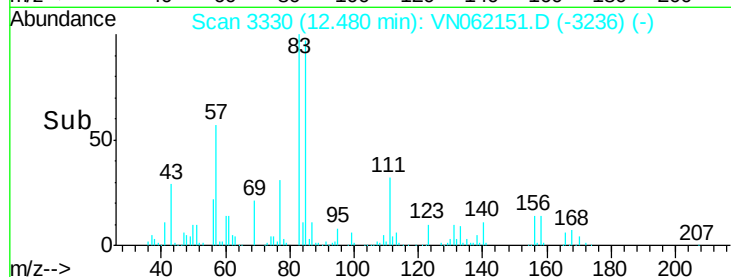
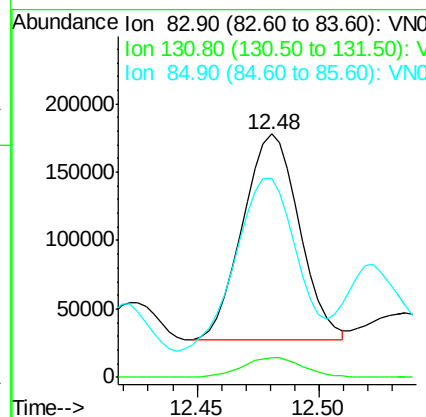
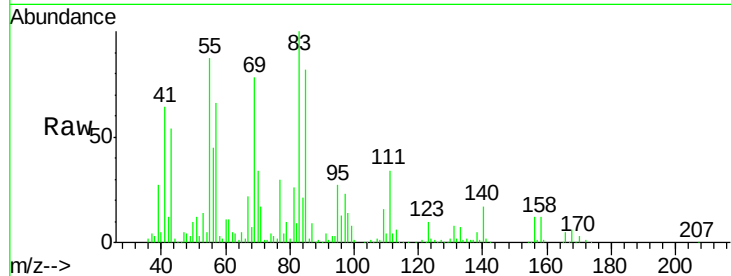
131 10.2 4.8 14.4

85 110.4 32.4 97.0#

Manual Integrations
APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#76

1,2,3-Trichloropropane

Concen: 35.736 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062151.D

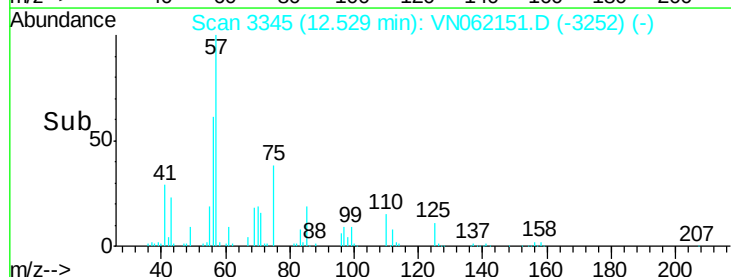
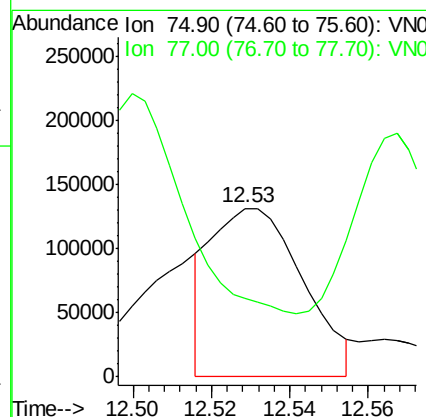
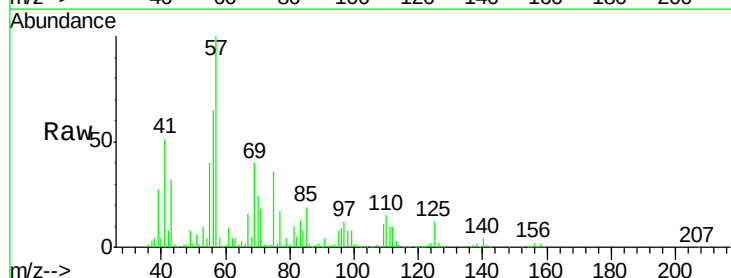
Acq: 26 Jun 2020 19:51

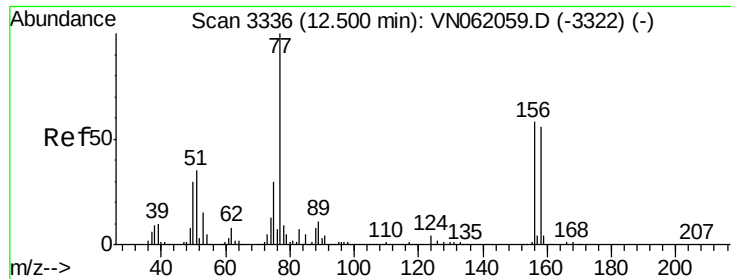
Tgt Ion: 75 Resp: 213389

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 39.251 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

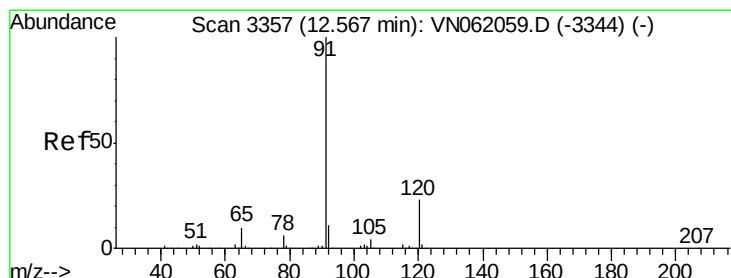
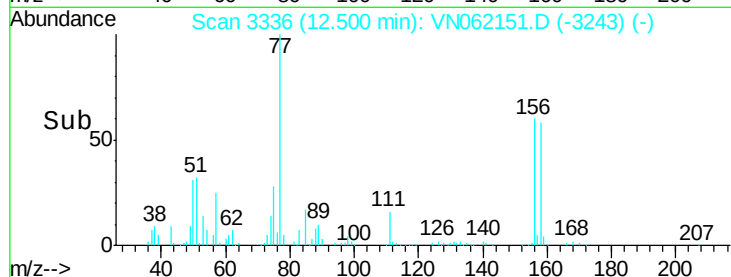
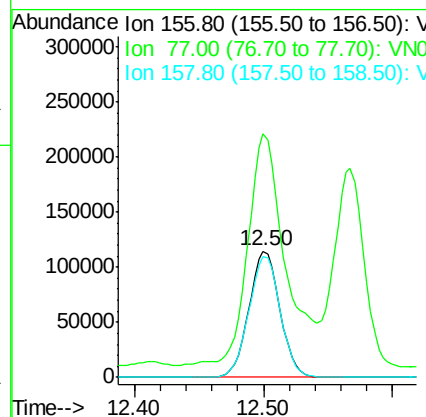
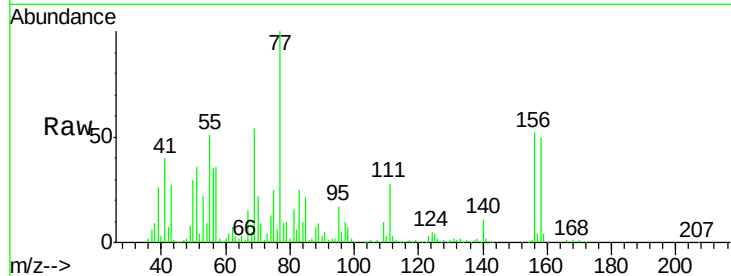
ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:	156	Resp:	191337
Ion Ratio	Lower	Upper	
156	100		
77	219.0	104.6	313.8
158	97.3	48.0	144.0

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:42 PM



#78

n-propylbenzene

Concen: 248.294 ug/l

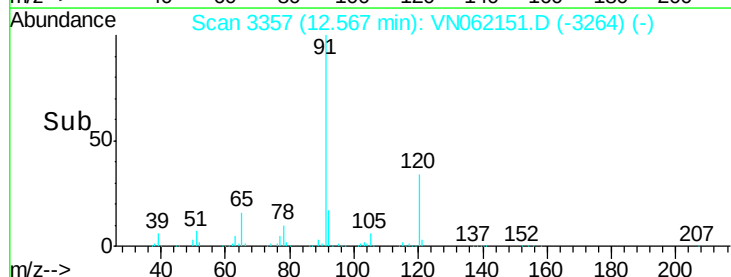
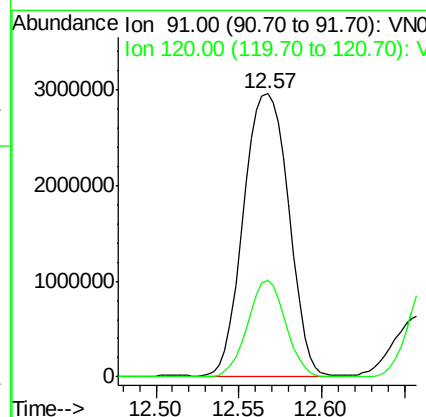
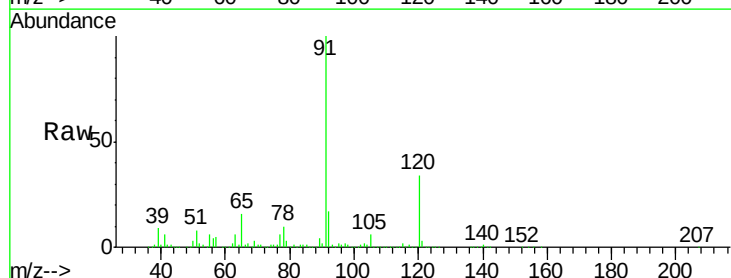
RT: 12.57 min Scan# 3357

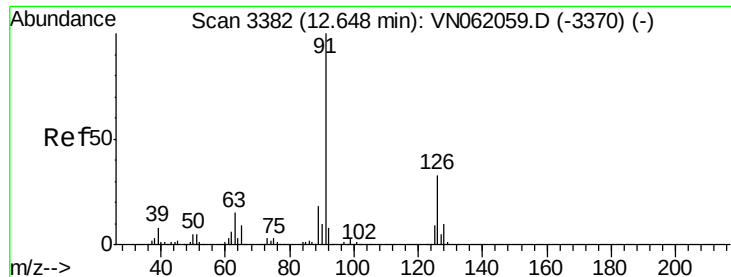
Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Tgt Ion:	91	Resp:	5576515
Ion Ratio	Lower	Upper	
91	100		
120	28.8	11.4	34.1





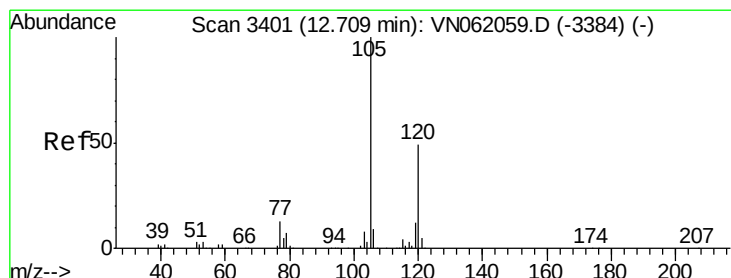
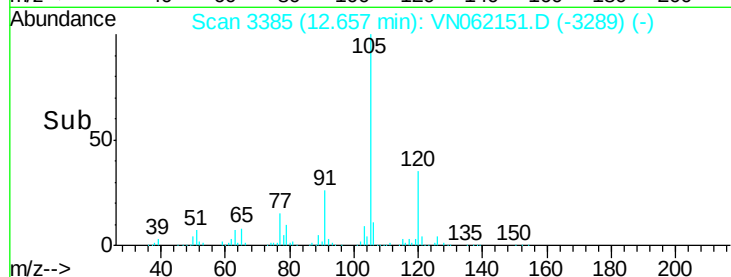
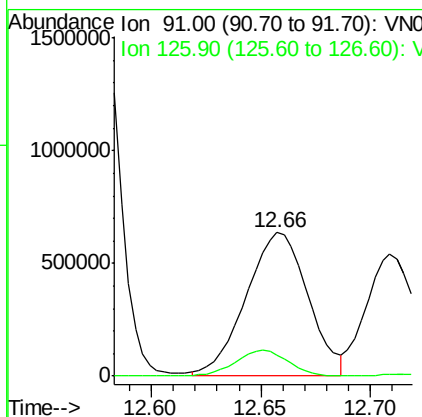
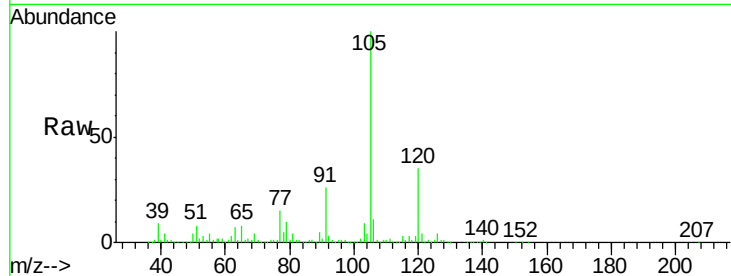
#79
 2-Chlorotoluene
 Concen: 92.506 ug/l m
 RT: 12.66 min Scan# 3385
 Delta R.T. 0.01 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion: 91 Resp: 1256015
 Ion Ratio Lower Upper
 91 100
 126 17.6 16.9 50.7

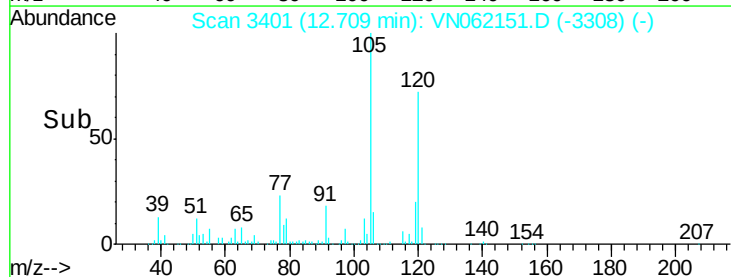
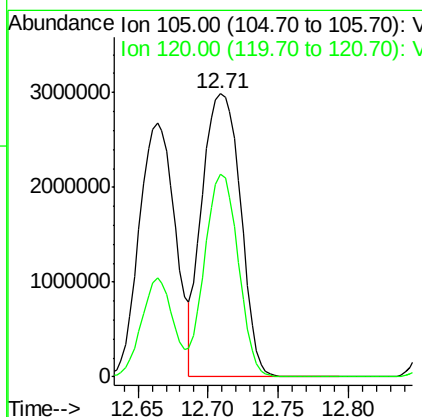
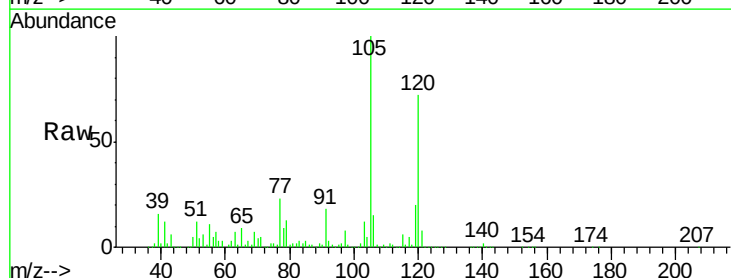
Manual Integrations
 APPROVED

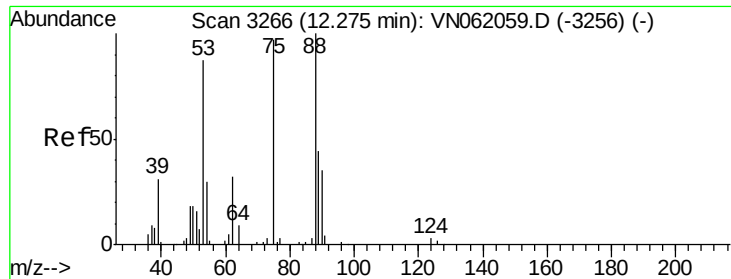
MMDadoda
 6/29/2020 12:35:42 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 354.503 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion: 105 Resp: 5642625
 Ion Ratio Lower Upper
 105 100
 120 63.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 40.003 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion: 75 Resp: 81793

Ion Ratio Lower Upper

75 100

53 127.0 72.0 108.0#

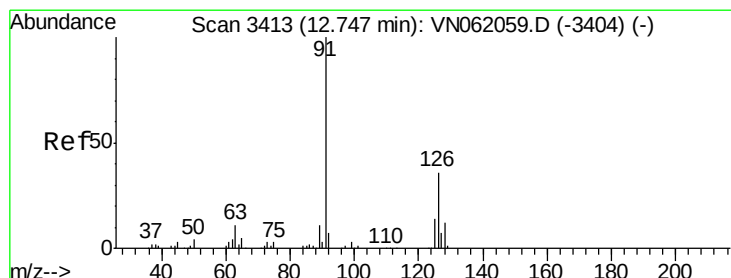
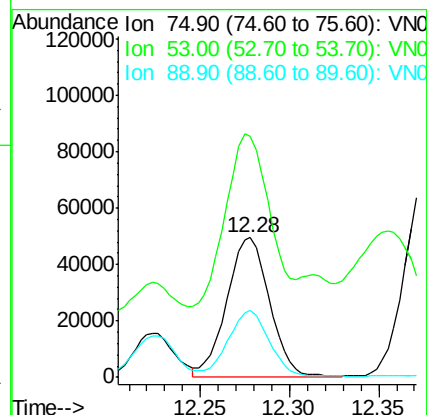
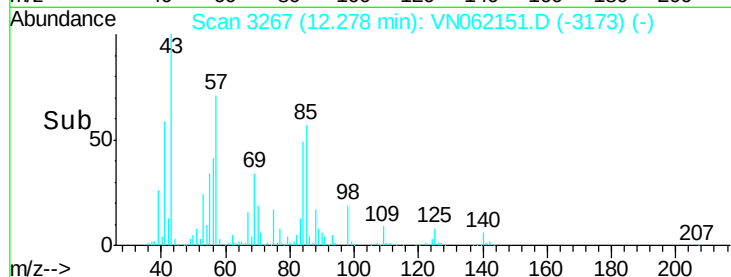
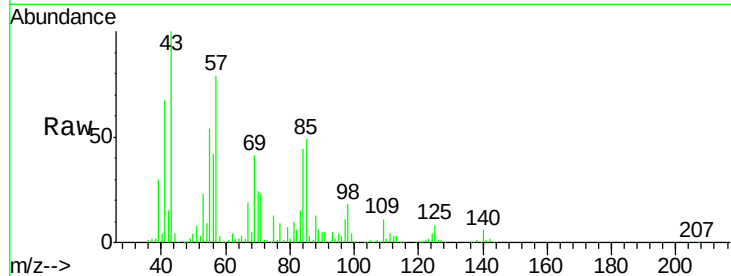
89 45.4 36.9 55.3

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#82

4-Chlorotoluene

Concen: 41.836 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062151.D

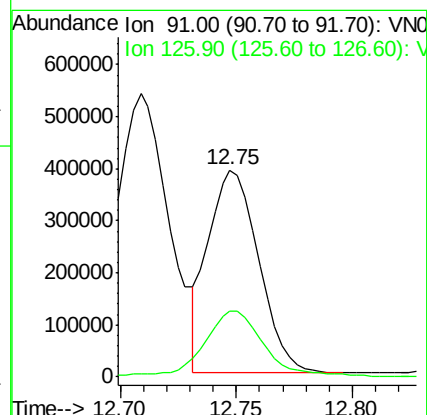
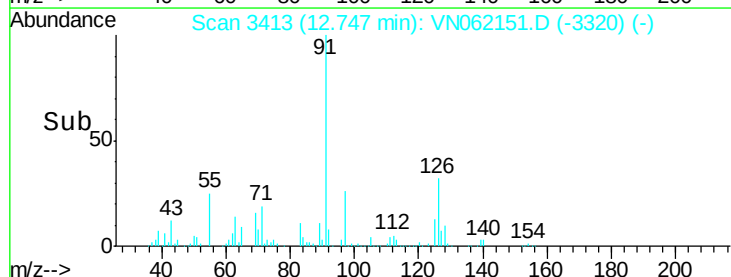
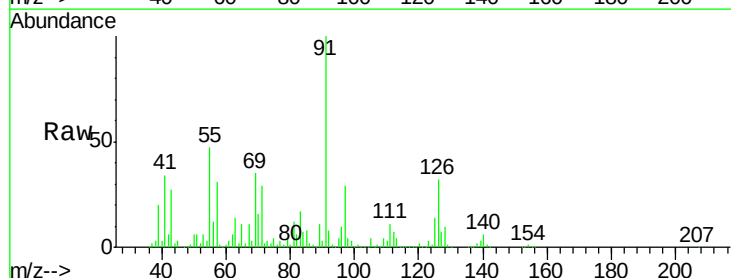
Acq: 26 Jun 2020 19:51

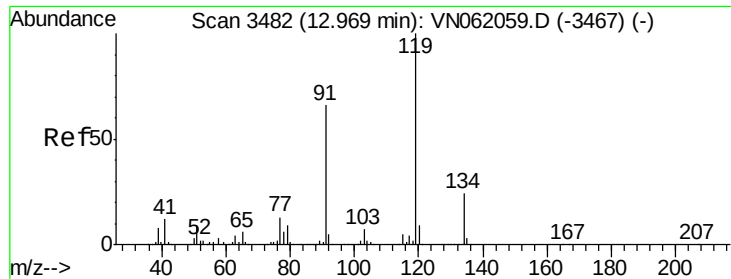
Tgt Ion: 91 Resp: 587406

Ion Ratio Lower Upper

91 100

126 37.7 16.7 50.1





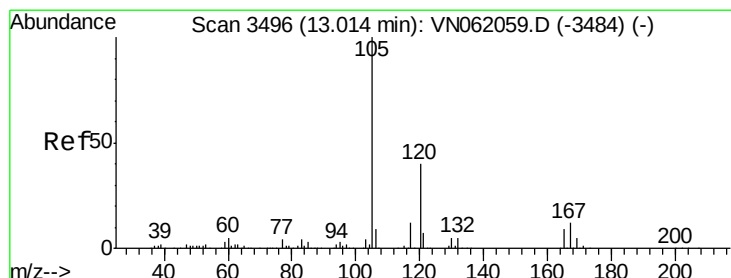
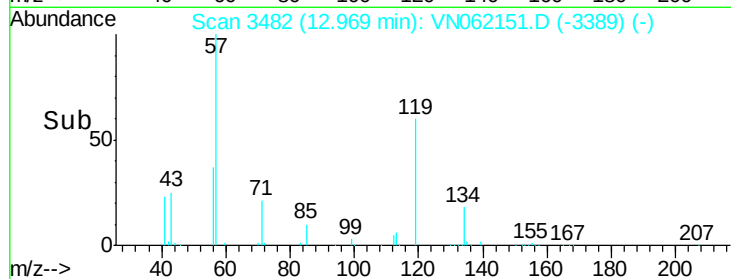
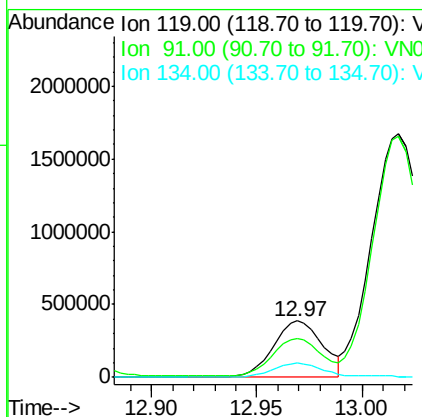
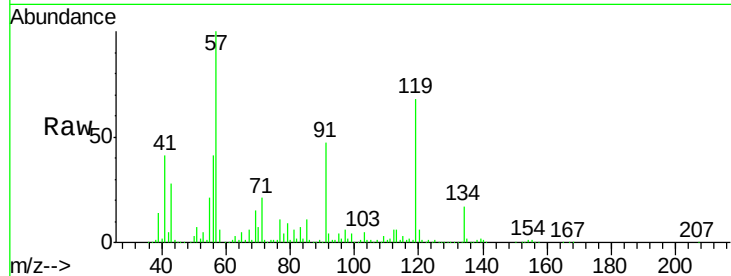
#83
 tert-Butylbenzene
 Concen: 46.009 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	31.7	95.1
134	27.3	13.1	39.1

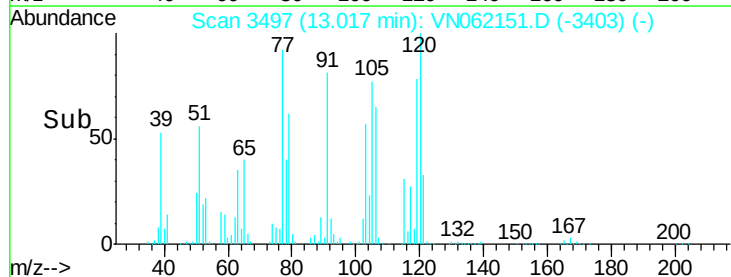
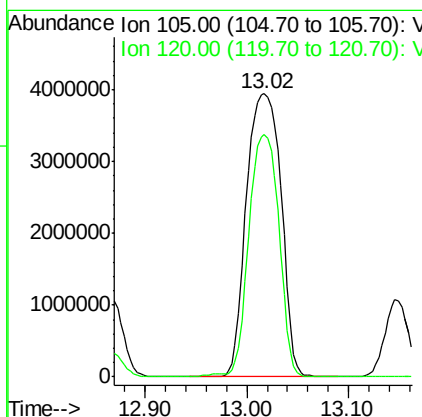
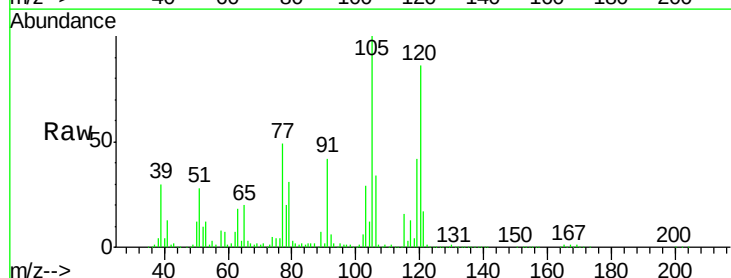
Manual Integrations
 APPROVED

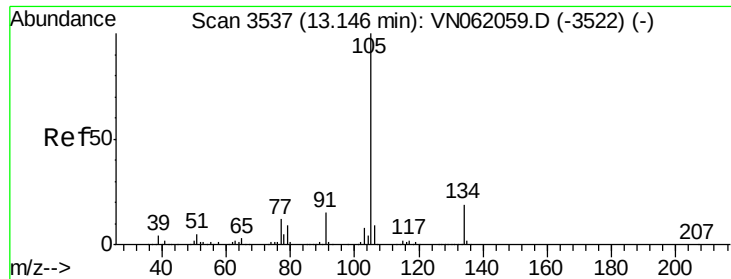
MMDadoda
 6/29/2020 12:35:42 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 589.808 ug/l m
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	5.6	23.2	69.5#





#85

sec-Butylbenzene

Concen: 94.960 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:105 Resp: 1709245

Ion Ratio Lower Upper

105 100

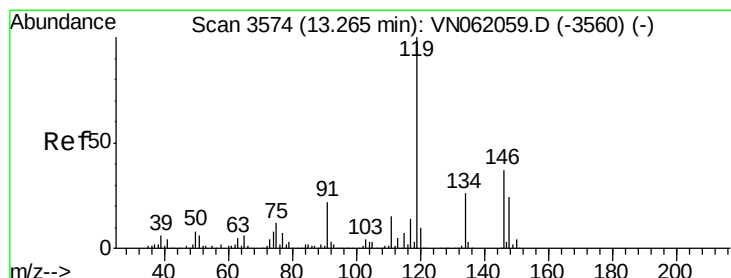
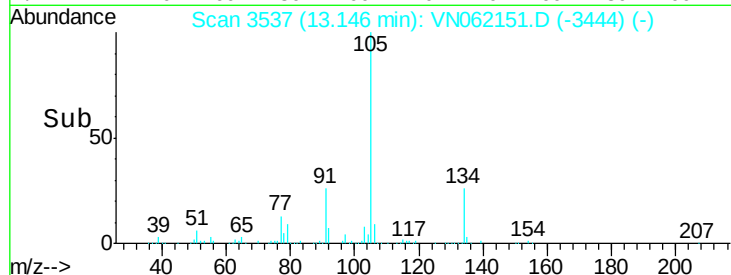
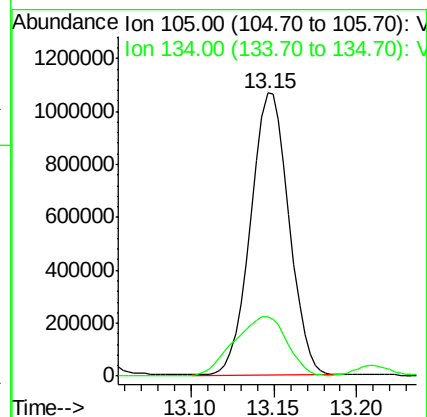
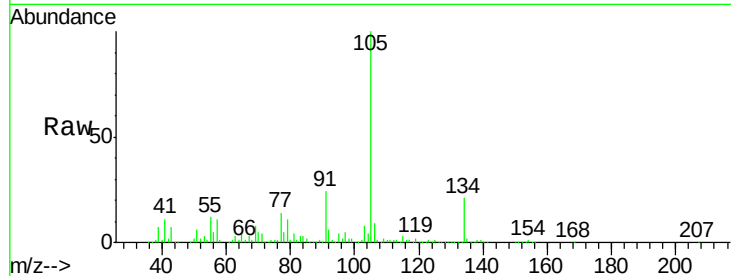
134 29.4 9.7 29.1#

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:42 PM



#86

p-Isopropyltoluene

Concen: 78.353 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

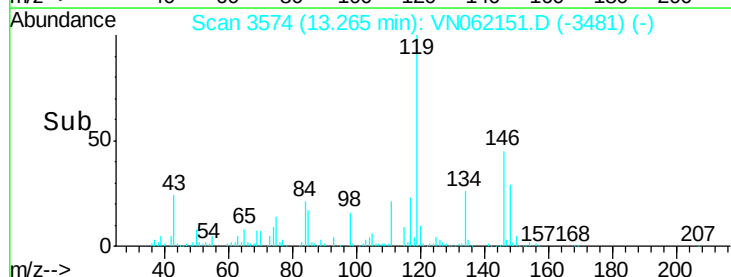
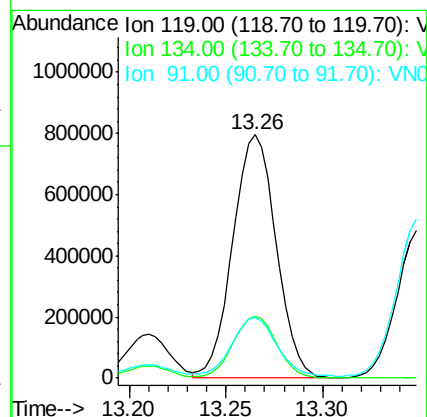
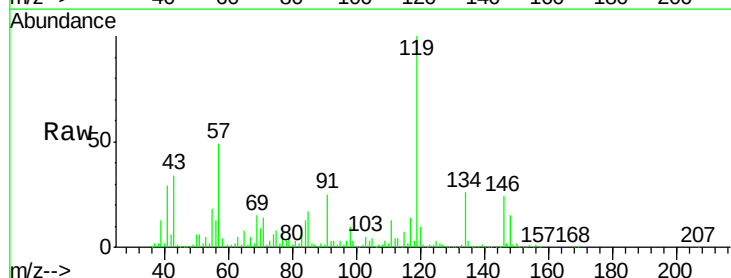
Tgt Ion:119 Resp: 1235605

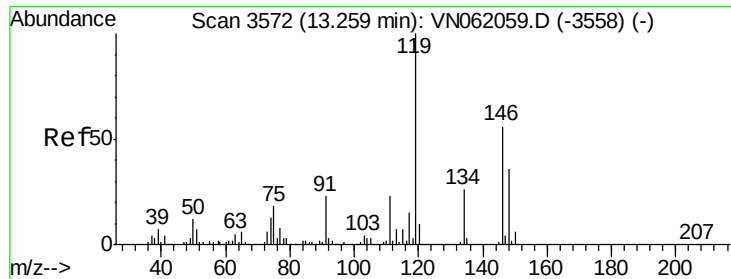
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 24.4 11.3 33.8





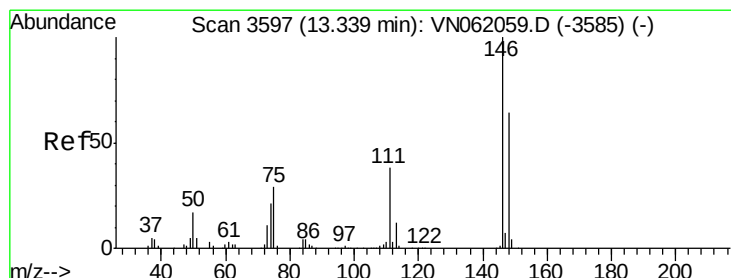
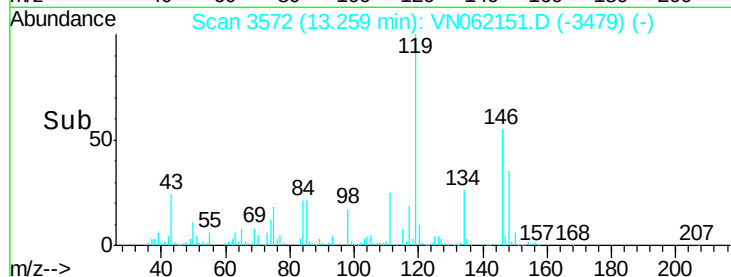
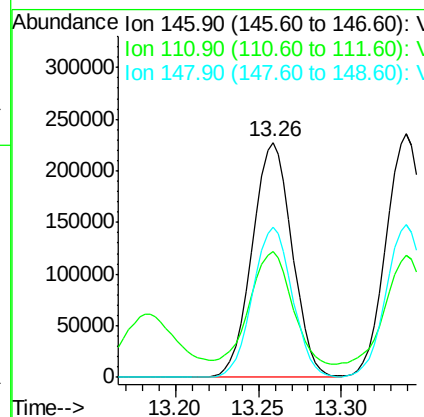
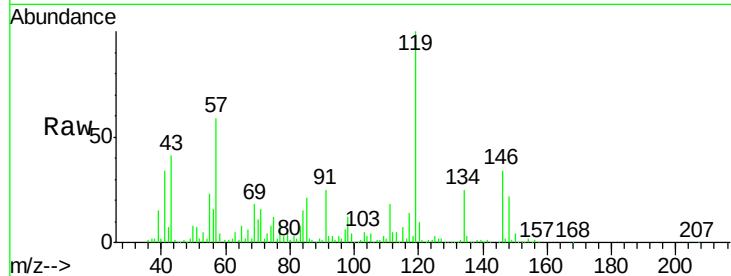
#87
 1,3-Dichlorobenzene
 Concen: 44.373 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.9	20.3	61.0
148	63.8	31.8	95.3

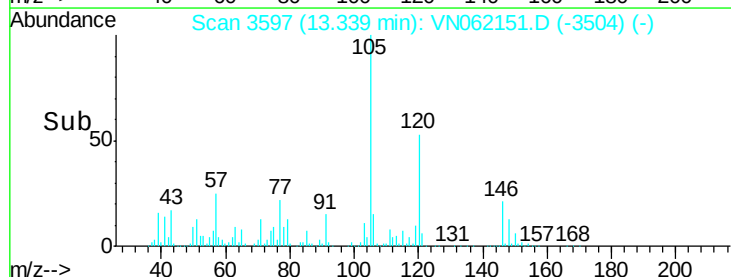
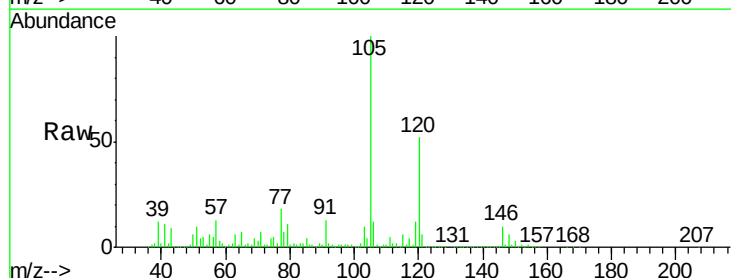
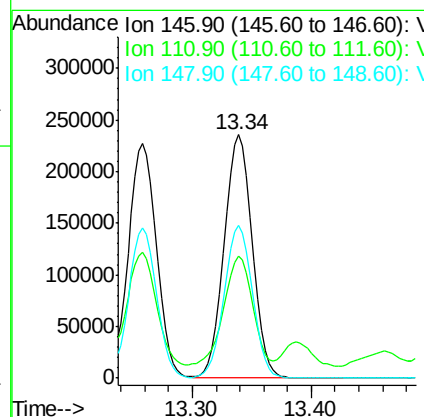
Manual Integrations
 APPROVED

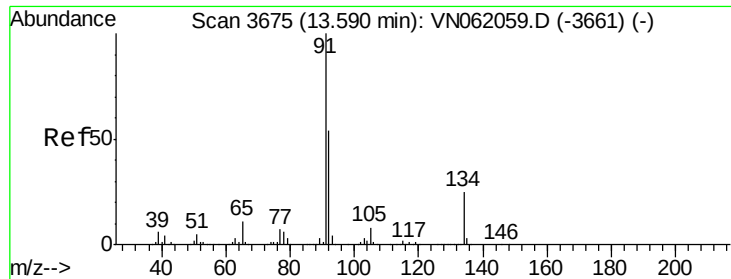
MMDadoda
 6/29/2020 12:35:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 43.748 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	19.9	59.6
148	63.0	31.9	95.9





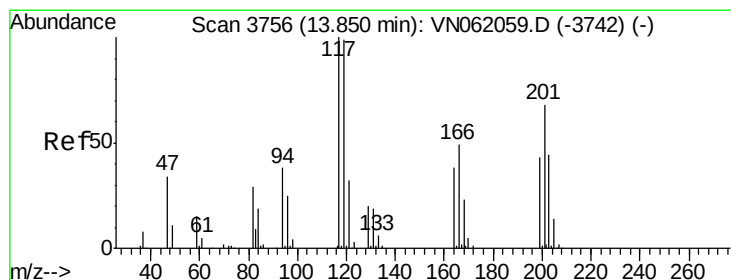
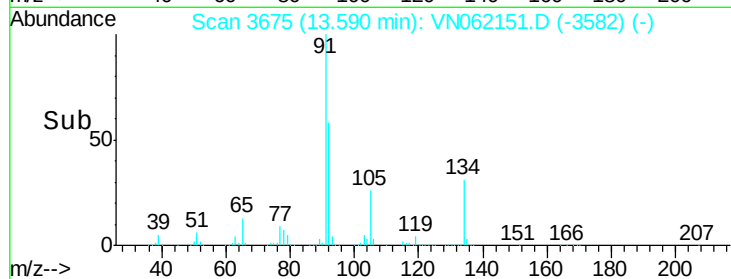
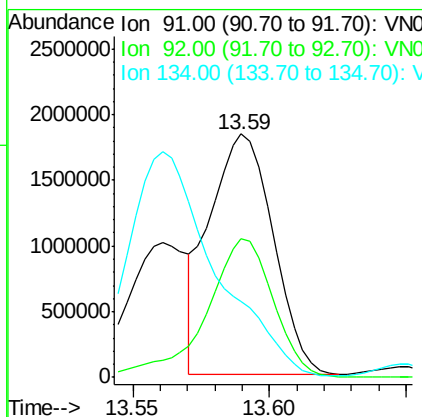
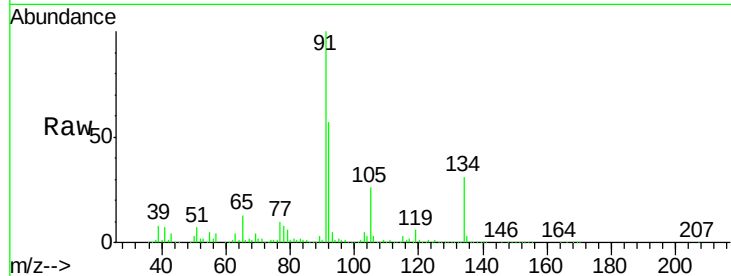
#89
n-Butylbenzene
Concen: 225.839 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.7	26.6	79.7
134	0.0	12.3	36.9

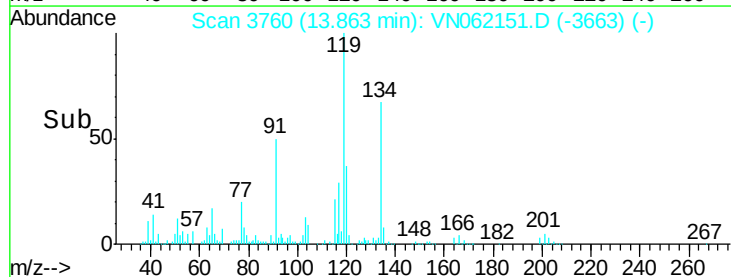
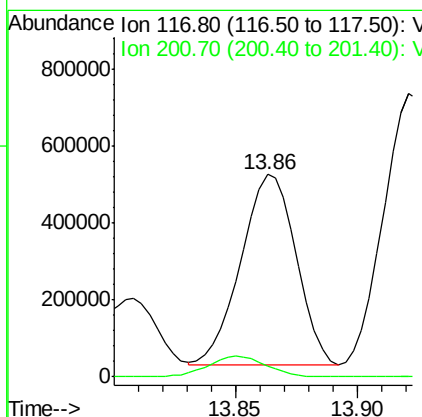
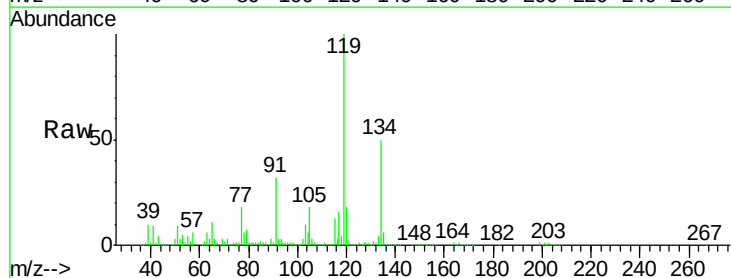
Manual Integrations
APPROVED

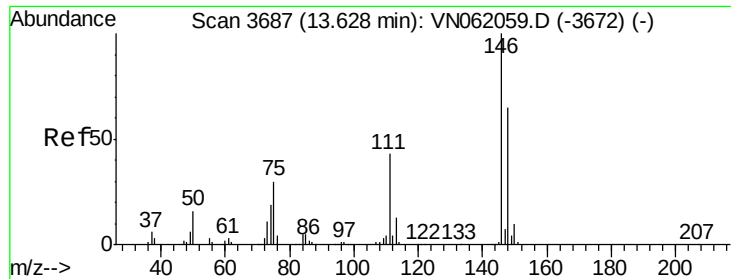
MMDadoda
6/29/2020 12:35:42 PM



#90
Hexachloroethane
Concen: 251.457 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN062151.D
Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	11.5	32.7	98.1





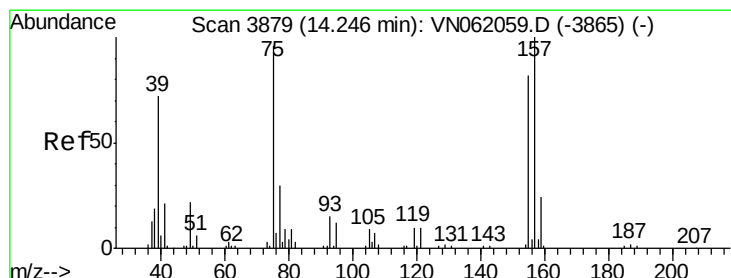
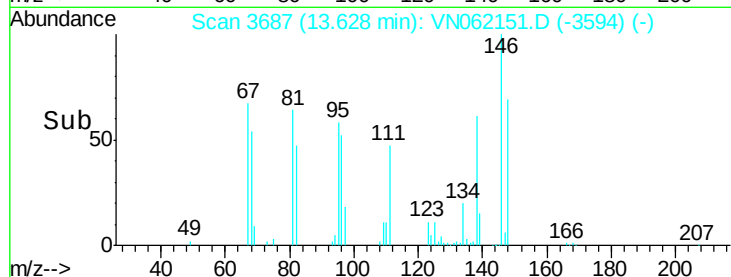
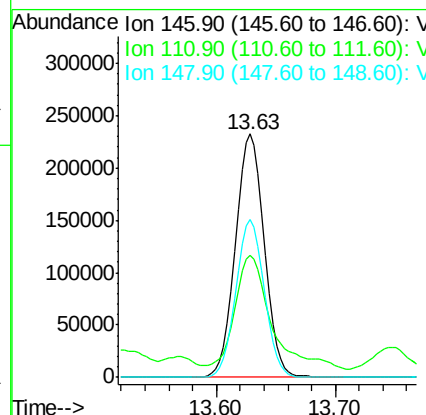
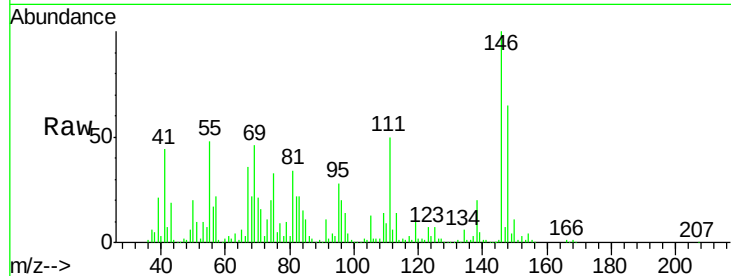
#91
 1,2-Dichlorobenzene
 Concen: 46.958 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	58.7	21.2	63.6
148	64.0	31.9	95.5

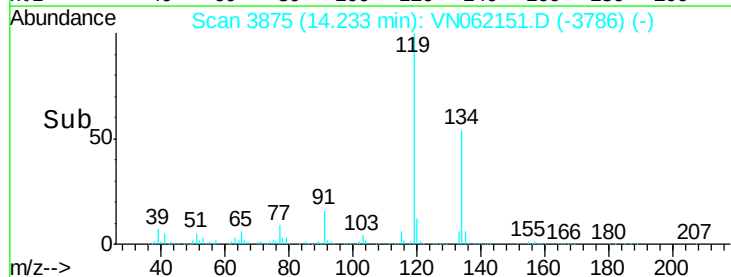
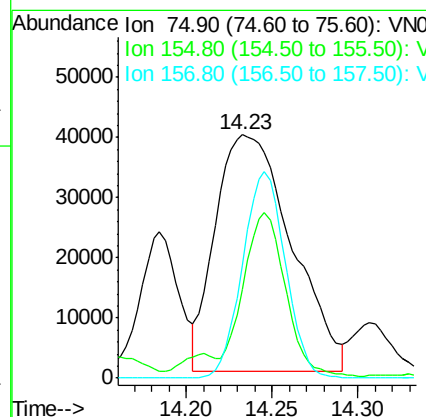
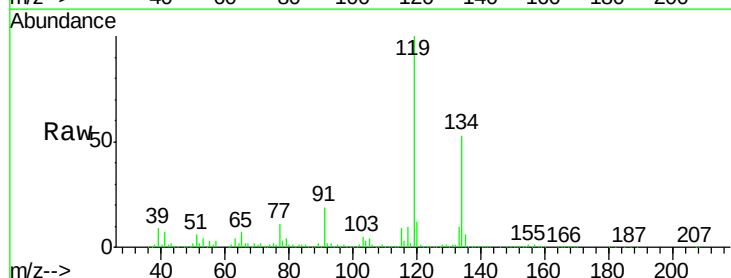
Manual Integrations
 APPROVED

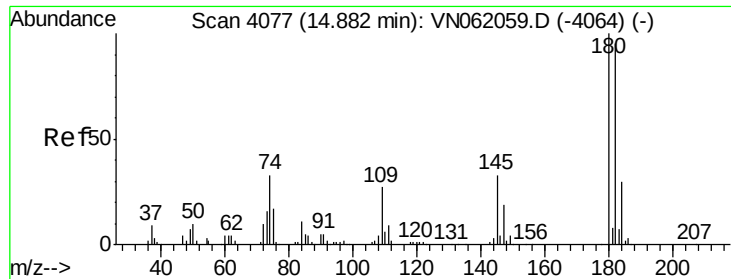
MMDadoda
 6/29/2020 12:35:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 115.725 ug/l
 RT: 14.23 min Scan# 3875
 Delta R.T. -0.01 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	38.6	40.8	122.4#
157	49.0	51.4	154.3#





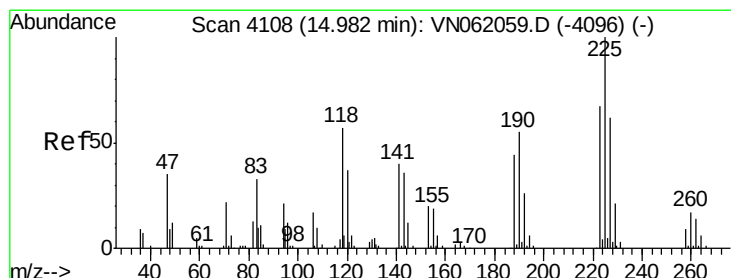
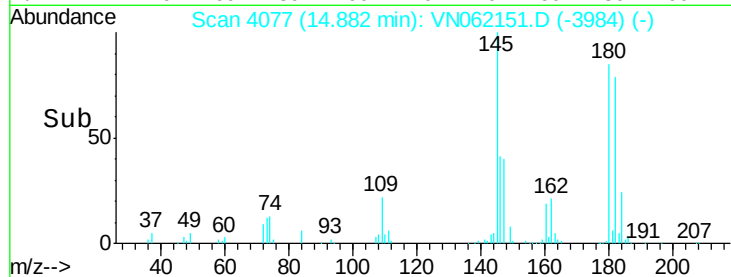
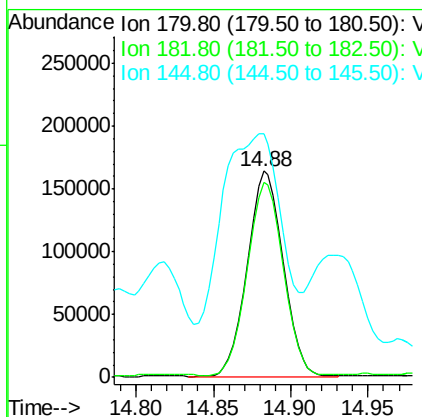
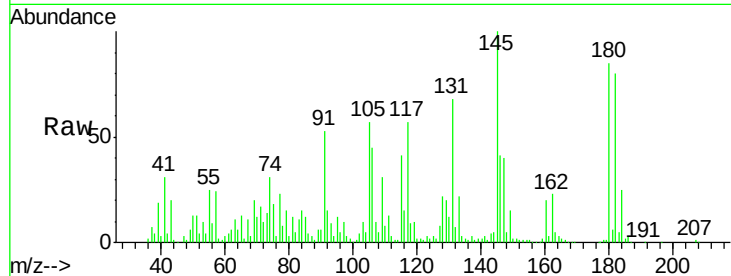
#93
 1,2,4-Trichlorobenzene
 Concen: 72.725 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	176.4	16.0	48.0#

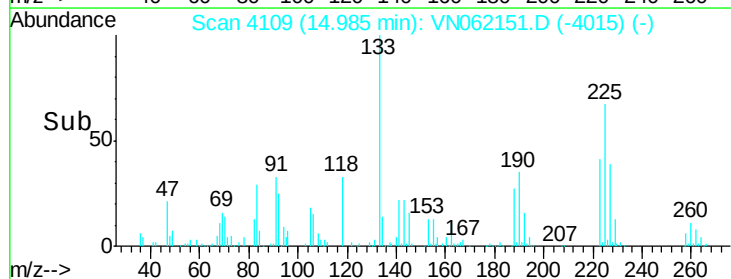
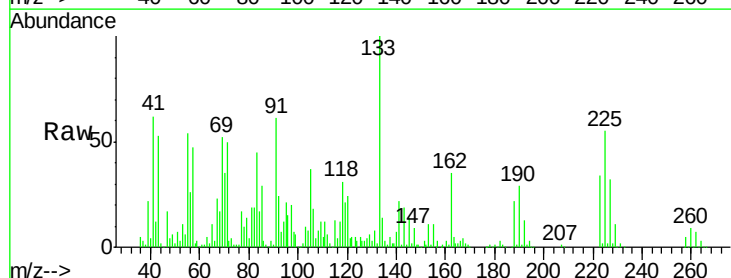
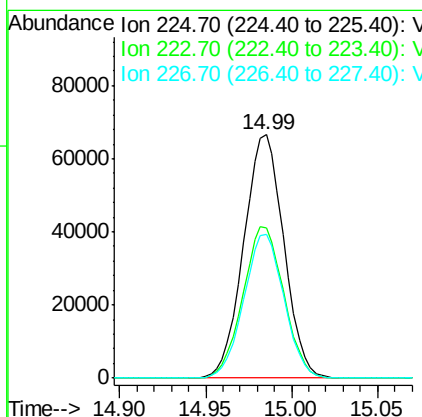
Manual Integrations
 APPROVED

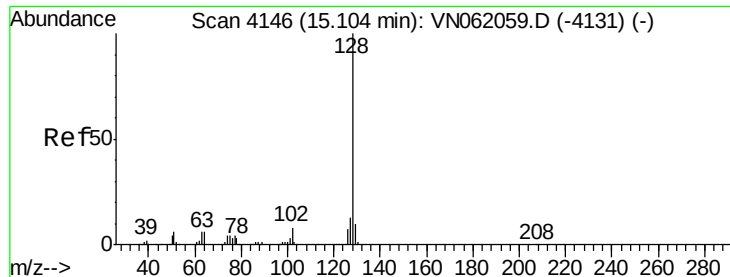
MMDadoda
 6/29/2020 12:35:42 PM



#94
 Hexachlorobutadiene
 Concen: 68.245 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062151.D
 Acq: 26 Jun 2020 19:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.9	98.7
227	58.9	31.3	93.8





#95

Naphthalene

Concen: 451.564 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MS

Tot Ion:128 Resp: 5881179

Ion Ratio Lower Upper

128 100

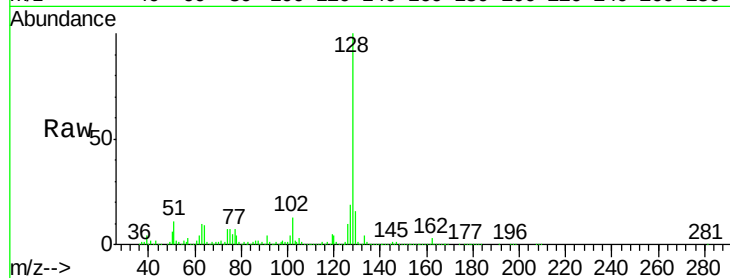
127 15.9 10.5 15.7#

129 13.8 8.6 13.0#

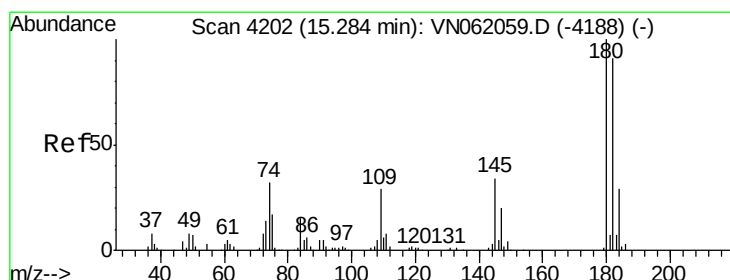
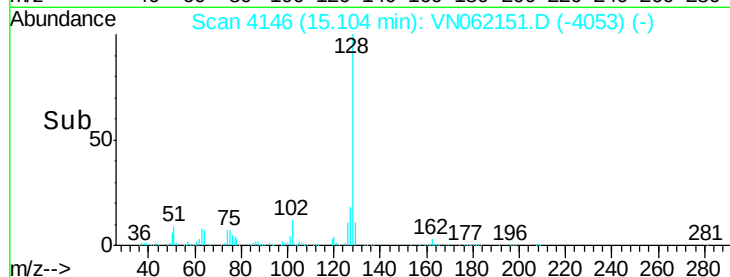
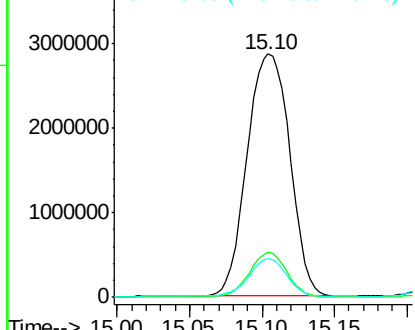
Manual Integrations
APPROVED

MMDadoda

6/29/2020 12:35:42 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 68.043 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062151.D

Acq: 26 Jun 2020 19:51

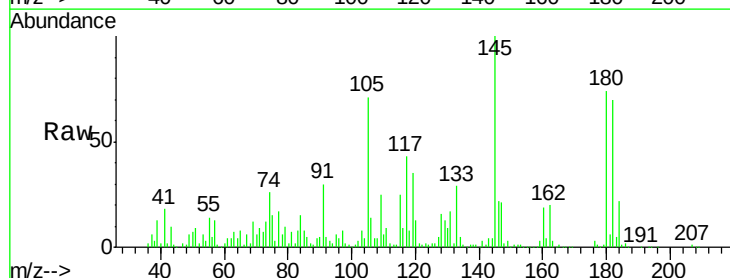
Tgt Ion:180 Resp: 252287

Ion Ratio Lower Upper

180 100

182 93.3 46.8 140.4

145 0.0 16.4 49.2#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

