

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062177.D
 Acq On : 27 Jun 2020 7:05
 Operator : JC/MD
 Sample : L3088-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:57 PM

Quant Time: Jun 27 07:29:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	223268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	417691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	394329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	165502	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.55	113	130890	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	10.06	98	521218	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.37	95	176829	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	162189	64.268	ug/l	97
3) Chloromethane	2.03	50	148963	50.142	ug/l	98
4) Vinyl Chloride	2.16	62	563627	141.820	ug/l	98
5) Bromomethane	2.52	94	114277	44.491	ug/l	97
6) Chloroethane	2.66	64	127134	46.829	ug/l	98
7) Trichlorofluoromethane	2.98	101	207296	42.331	ug/l	99
8) Diethyl Ether	3.37	74	89848	52.543	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	209636	81.747	ug/l	99
10) Methyl Iodide	3.91	142	158976	55.045	ug/l	100
11) Tert butyl alcohol	4.73	59	123703	274.982	ug/l	100
12) 1,1-Dichloroethene	3.70	96	157084	61.273	ug/l	98
13) Acrolein	3.56	56	126142	286.401	ug/l	99
14) Allyl chloride	4.27	41	176226	50.489	ug/l	97
15) Acrylonitrile	4.93	53	330957	269.975	ug/l	100
16) Acetone	3.77	43	265374	270.162	ug/l	99
17) Carbon Disulfide	4.01	76	346111	47.138	ug/l	99
18) Methyl Acetate	4.28	43	117767	47.283	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	440253	53.742	ug/l	98
20) Methylene Chloride	4.50	84	152852	53.156	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	159076	54.469	ug/l	98
22) Diisopropyl ether	5.90	45	418110	52.611	ug/l	99
23) Vinyl Acetate	5.84	43	1490849	229.768	ug/l	99
24) 1,1-Dichloroethane	5.80	63	259822	50.770	ug/l	99
25) 2-Butanone	6.79	43	424790	277.374	ug/l #	81
26) 2,2-Dichloropropane	6.77	77	139360	32.679	ug/l #	1
27) cis-1,2-Dichloroethene	6.78	96	6170246	1877.544	ug/l	86
28) Bromochloromethane	7.15	49	113065	50.921	ug/l	98
29) Tetrahydrofuran	7.17	42	280628	279.737	ug/l	99
30) Chloroform	7.33	83	267191	51.316	ug/l	100
31) Cyclohexane	7.62	56	207530	47.942	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	222815	50.744	ug/l	99
36) 1,1-Dichloropropene	7.75	75	198218	47.212	ug/l	98
37) Ethyl Acetate	6.88	43	154983	44.580	ug/l #	80
38) Carbon Tetrachloride	7.73	117	182295	46.055	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062177.D
 Acq On : 27 Jun 2020 7:05
 Operator : JC/MD
 Sample : L3088-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:57 PM

Quant Time: Jun 27 07:29:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	225656	49.054	ug/l	98
40) Benzene	8.00	78	612130	47.835	ug/l	98
41) Methacrylonitrile	7.13	41	76364	47.380	ug/l	96
42) 1,2-Dichloroethane	8.09	62	209264	48.401	ug/l	99
43) Isopropyl Acetate	8.13	43	269348	47.527	ug/l	99
44) Trichloroethene	8.81	130	12910423	3999.529	ug/l	96
45) 1,2-Dichloropropane	9.09	63	164500	52.107	ug/l	97
46) Dibromomethane	9.18	93	107199	50.082	ug/l	99
47) Bromodichloromethane	9.37	83	224062	51.844	ug/l	99
48) Methyl methacrylate	9.17	41	140578	55.323	ug/l	97
49) 1,4-Dioxane	9.17	88	56883	1009.440	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	901310	272.204	ug/l	99
52) Toluene	10.12	92	391221	50.106	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	231295	48.644	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	246411	48.676	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	154109	50.211	ug/l	97
56) Ethyl methacrylate	10.40	69	226419	55.278	ug/l	100
57) 1,3-Dichloropropane	10.68	76	269088	50.936	ug/l	99
59) 2-Hexanone	10.72	43	649058	271.461	ug/l	100
60) Dibromochloromethane	10.87	129	165241	50.852	ug/l	98
61) 1,2-Dibromoethane	10.98	107	156601	49.657	ug/l	100
64) Tetrachloroethene	10.60	164	144755	53.740	ug/l	98
65) Chlorobenzene	11.41	112	410699	47.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	144498	48.256	ug/l	99
67) Ethyl Benzene	11.48	91	727070	49.715	ug/l	99
68) m/p-Xylenes	11.60	106	553992	97.936	ug/l	99
69) o-Xylene	11.92	106	265694	49.782	ug/l	98
70) Stvrene	11.94	104	448986	50.443	ug/l	99
71) Bromoform	12.10	173	106621	50.080	ug/l #	98
73) Isopropylbenzene	12.22	105	696748	50.326	ug/l	100
74) N-amyl acetate	12.05	43	221766	43.948	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	228117	49.514	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	183947m	43.690	ug/l	
77) Bromobenzene	12.50	156	164835	47.957	ug/l	97
78) n-propylbenzene	12.56	91	790943	49.945	ug/l	100
79) 2-Chlorotoluene	12.65	91	468263	48.911	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	570694	50.850	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	65851	45.676	ug/l	98
82) 4-Chlorotoluene	12.75	91	489298	49.423	ug/l	98
83) tert-Butylbenzene	12.97	119	474417	49.394	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	565590	50.458	ug/l	100
85) sec-Butylbenzene	13.15	105	643042	50.667	ug/l	99
86) p-Isopropyltoluene	13.26	119	571098	51.361	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	294548	48.802	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	293971	47.250	ug/l	100
89) n-Butylbenzene	13.59	91	469163	50.751	ug/l	100
90) Hexachloroethane	13.85	117	110496	50.649	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	283220	48.391	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	37403	50.679	ug/l	99
93) 1,2,4-Trichlorobenzene	14.88	180	129893	50.803	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
Data File : VN062177.D
Acq On : 27 Jun 2020 7:05
Operator : JC/MD
Sample : L3088-09MS
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

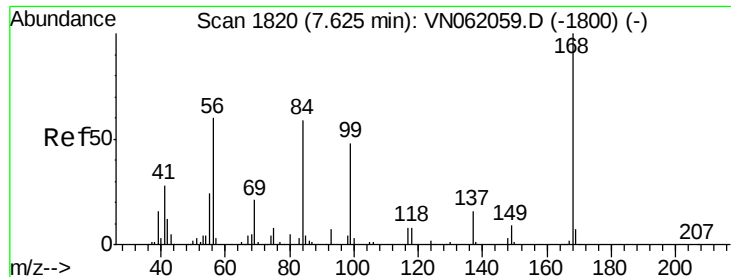
Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM

Quant Time: Jun 27 07:29:28 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)
94) Hexachlorobutadiene	14.99	225	51892	46.728	ug/l	98
95) Naphthalene	15.10	128	387707	45.840	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	128927	49.315	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion:168 Resp: 223268

Ion Ratio Lower Upper

168 100

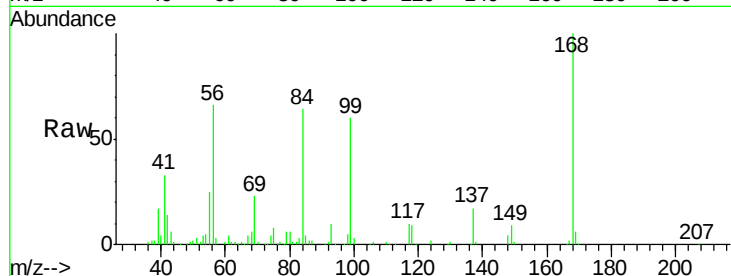
99 59.4 45.8 68.8

Manual Integrations

APPROVED

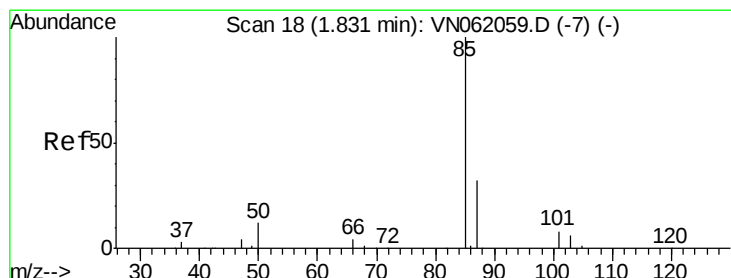
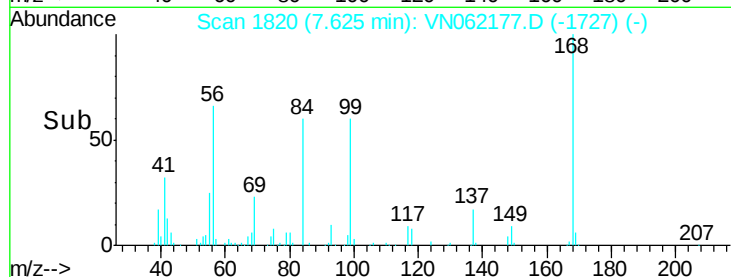
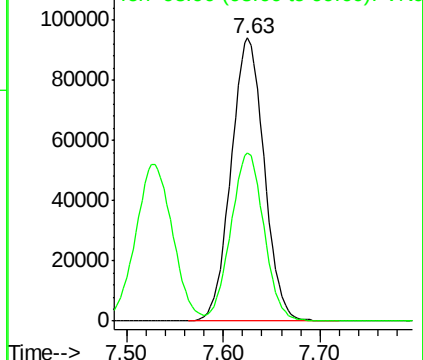
MMDadoda

6/29/2020 12:35:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 64.268 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062177.D

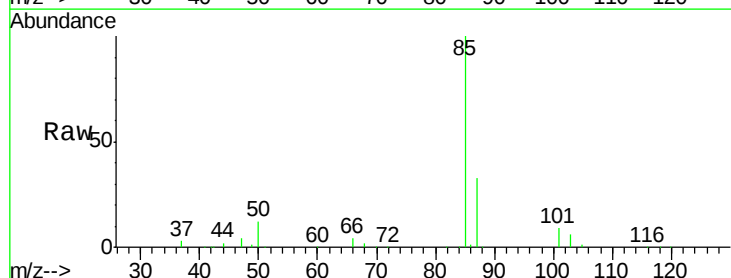
Acq: 27 Jun 2020 7:05

Tgt Ion: 85 Resp: 162189

Ion Ratio Lower Upper

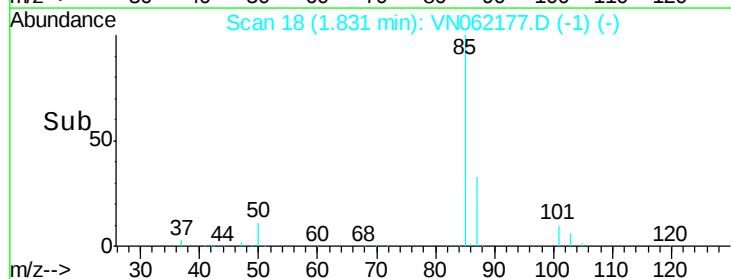
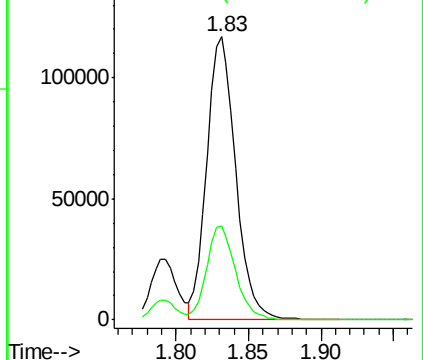
85 100

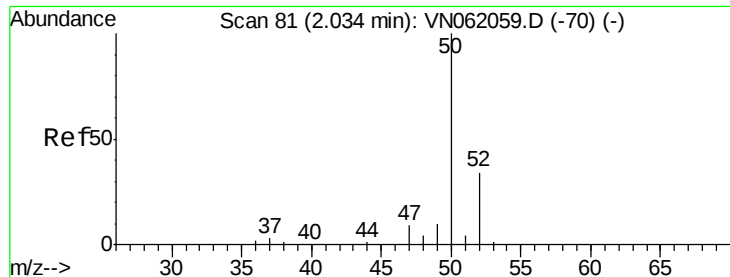
87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.142 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 50 Resp: 148963

Ion Ratio Lower Upper

50 100

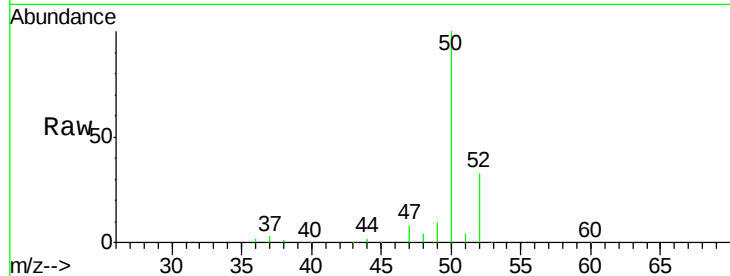
52 32.8 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:57 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

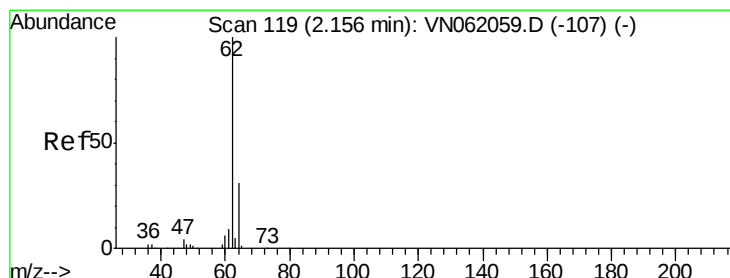
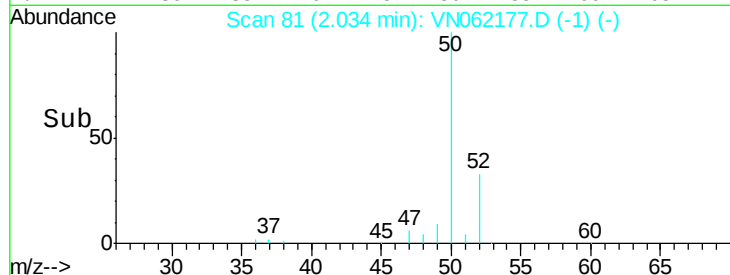
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 141.820 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062177.D

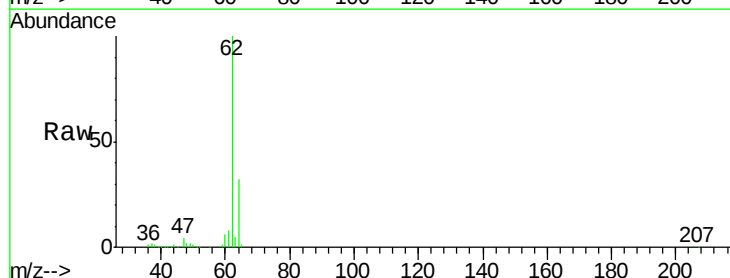
Acq: 27 Jun 2020 7:05

Tgt Ion: 62 Resp: 563627

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

400000

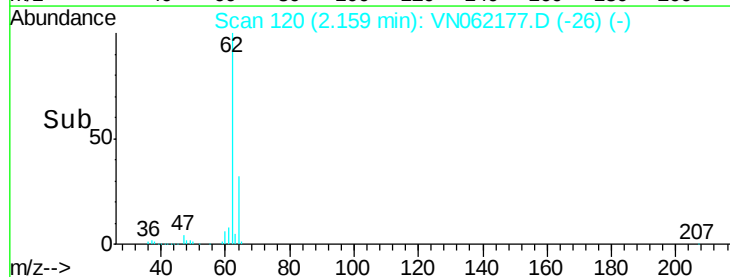
300000

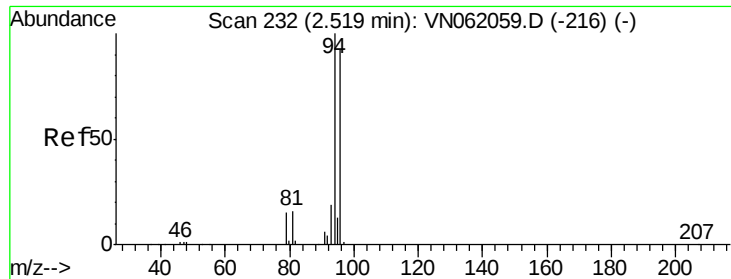
200000

100000

0

Time-->





#5

Bromomethane

Concen: 44.491 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 94 Resp: 114277

Ion Ratio Lower Upper

94 100

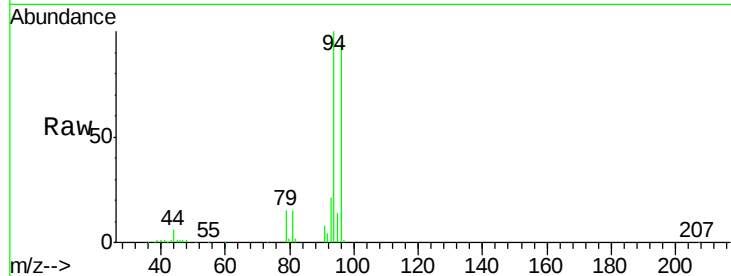
96 94.6 73.4 110.2

Manual Integrations

APPROVED

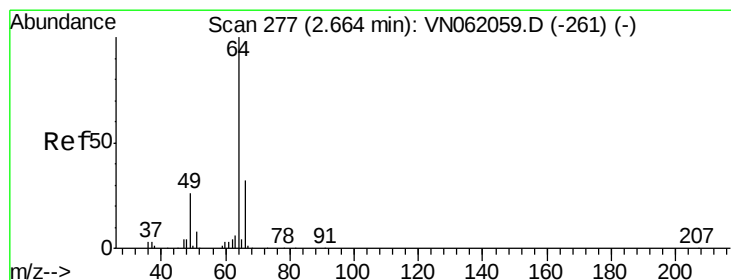
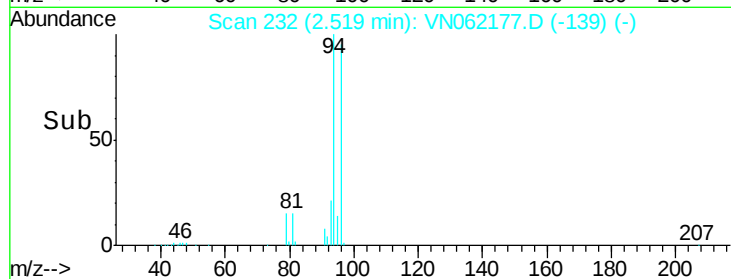
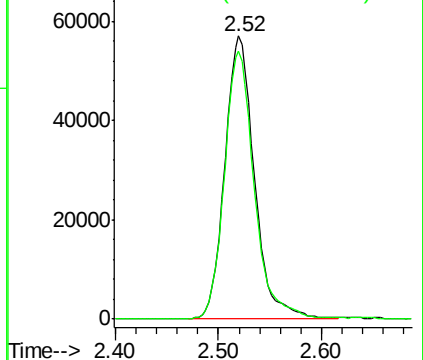
MMDadoda

6/29/2020 12:35:57 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.829 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062177.D

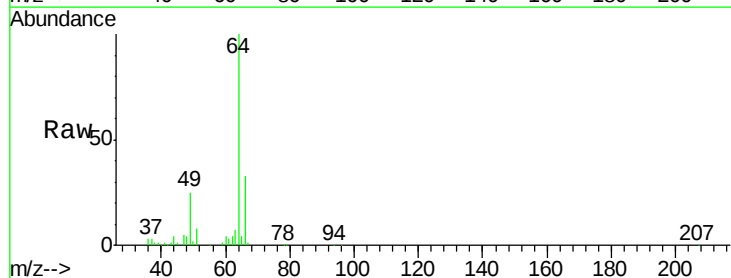
Acq: 27 Jun 2020 7:05

Tgt Ion: 64 Resp: 127134

Ion Ratio Lower Upper

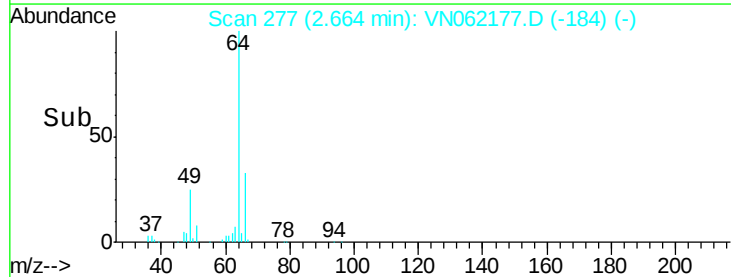
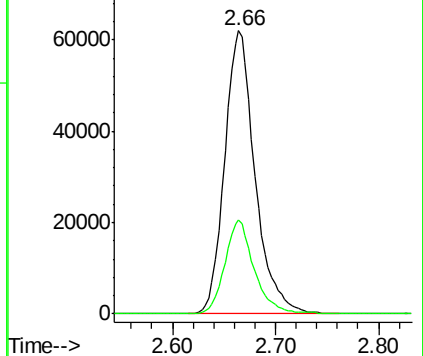
64 100

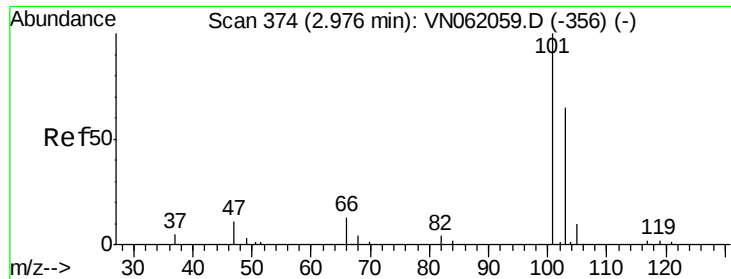
66 33.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

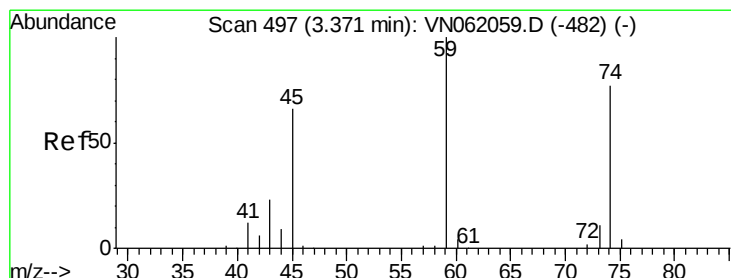
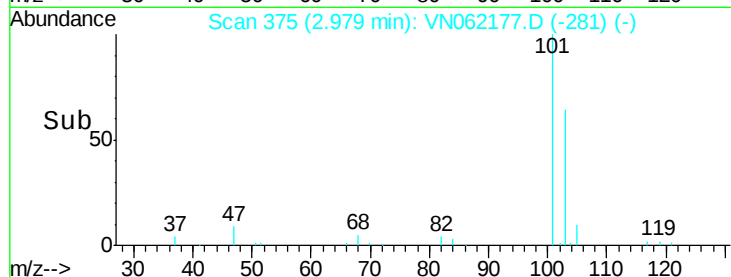
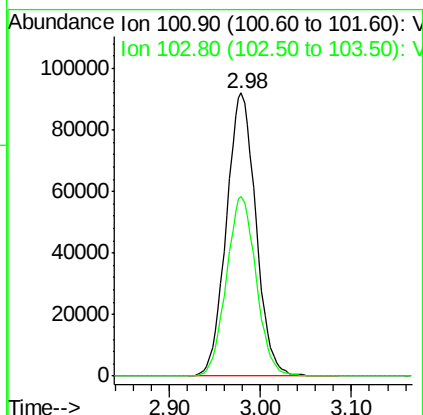
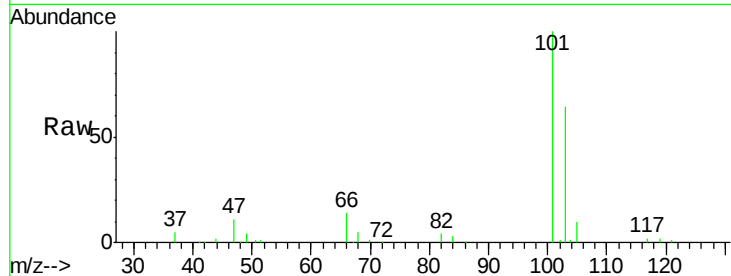
Trichlorofluoromethane
Concen: 42.331 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	207296		
103	63.7	51.8	77.6	

Manual Integrations
APPROVED

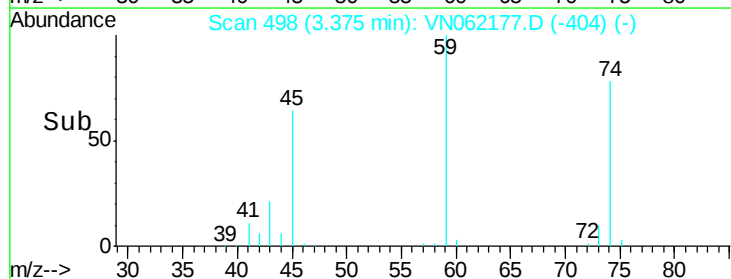
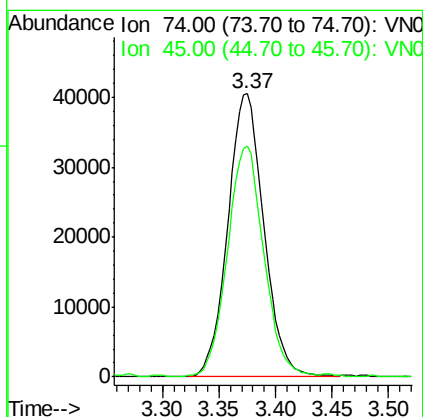
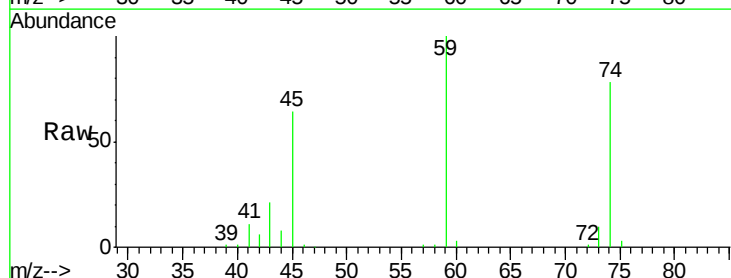
MMDadoda
6/29/2020 12:35:57 PM

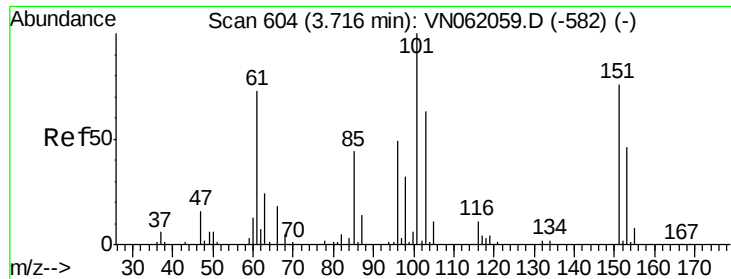


#8

Diethyl Ether
Concen: 52.543 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	89848		
45	82.6	42.5	127.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 81.747 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

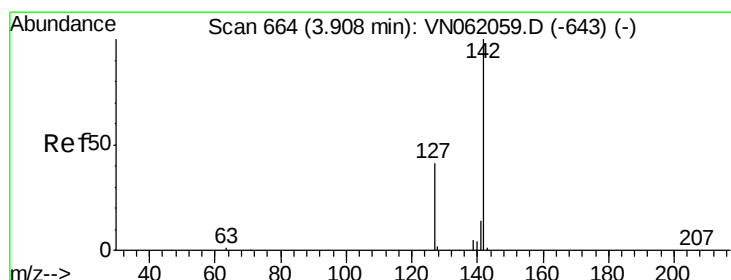
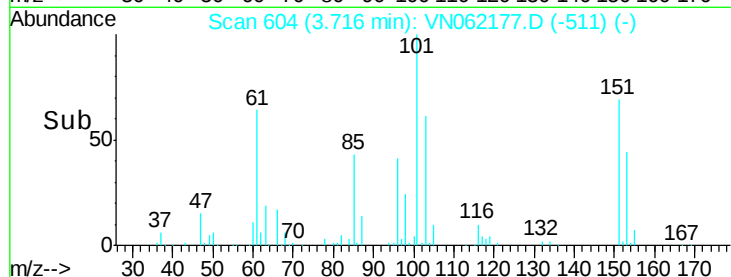
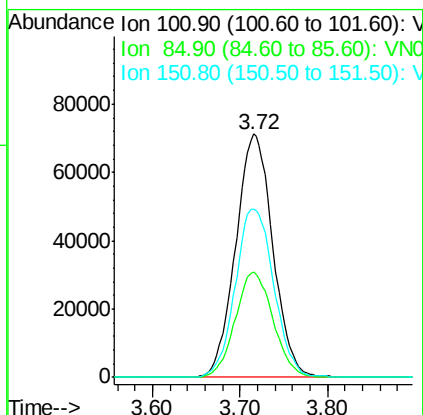
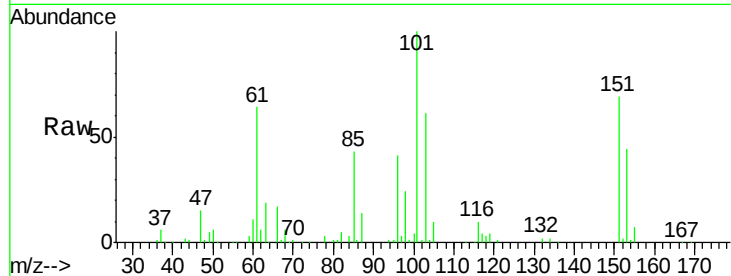
ClientSampleId :

56BR-20200622MS

Tot Ion:	101	Resp:	209636
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.5	51.7
151	71.7	57.8	86.8

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#10

Methyl Iodide

Concen: 55.045 ug/l

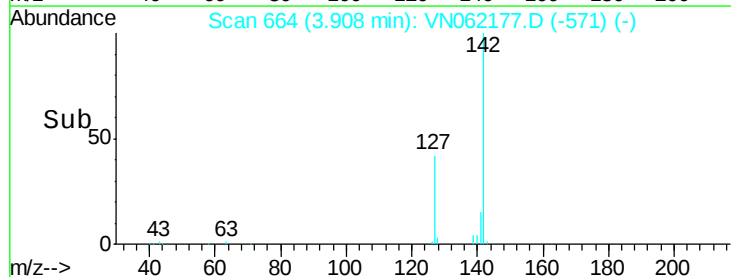
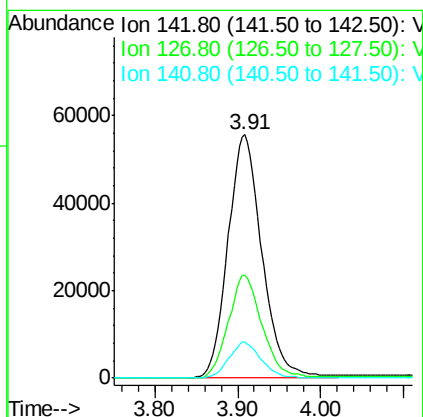
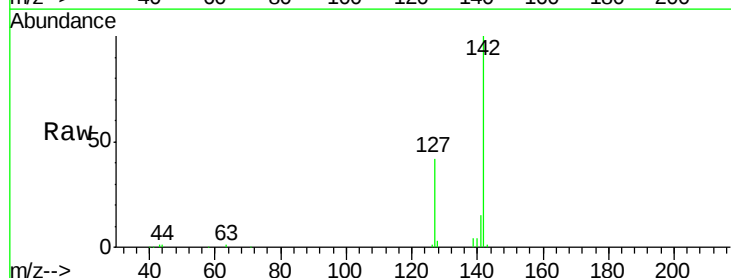
RT: 3.91 min Scan# 664

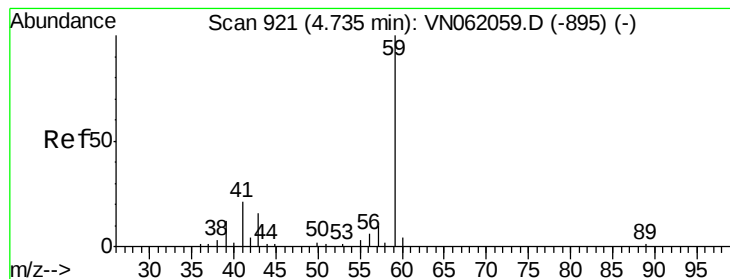
Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion:	142	Resp:	158976
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.6	50.4
141	13.9	11.3	16.9





#11

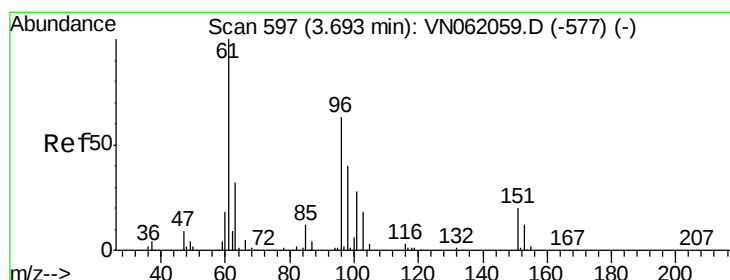
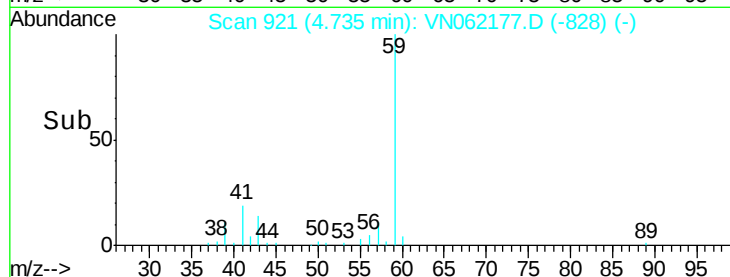
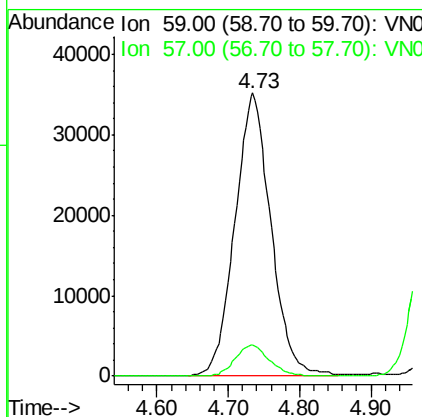
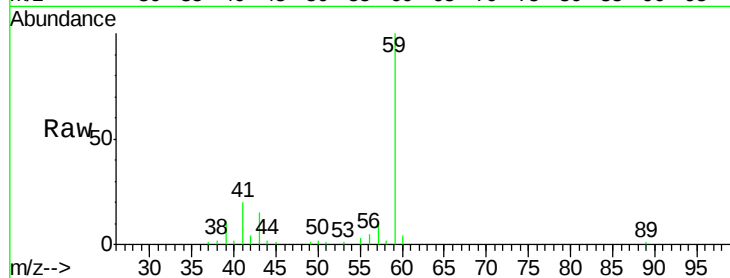
Tert butyl alcohol
Concen: 274.982 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
APPROVED

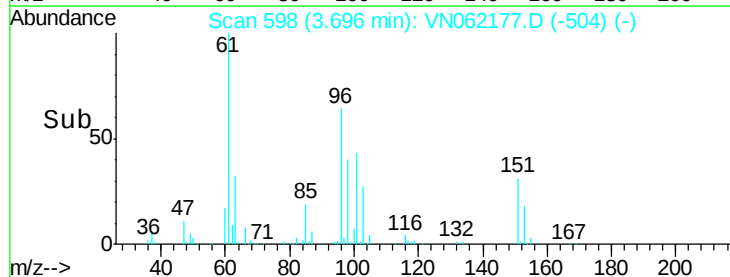
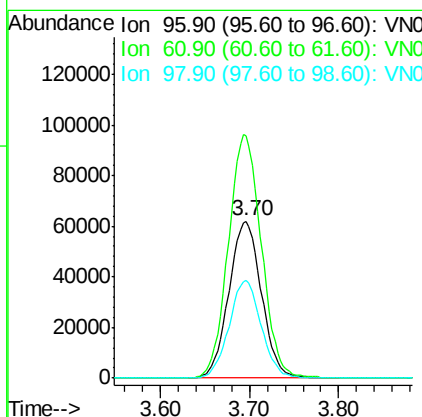
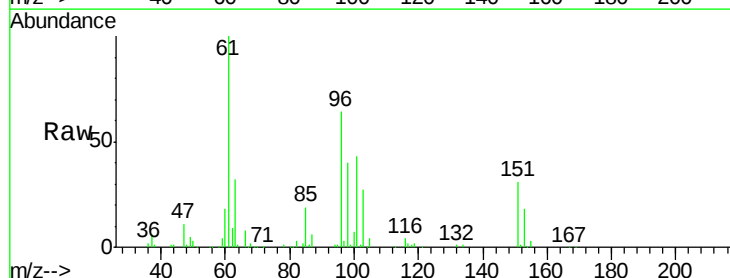
MMDadoda
6/29/2020 12:35:57 PM

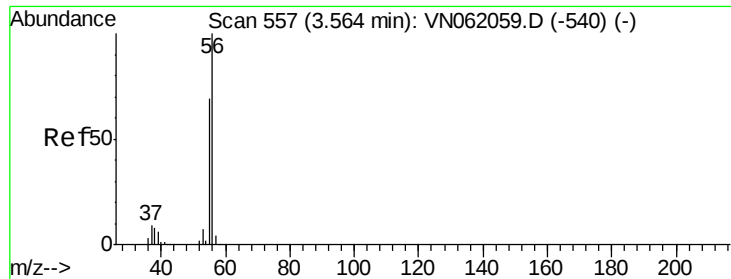


#12

1,1-Dichloroethene
Concen: 61.273 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	126.7	190.1
98	62.6	51.0	76.4





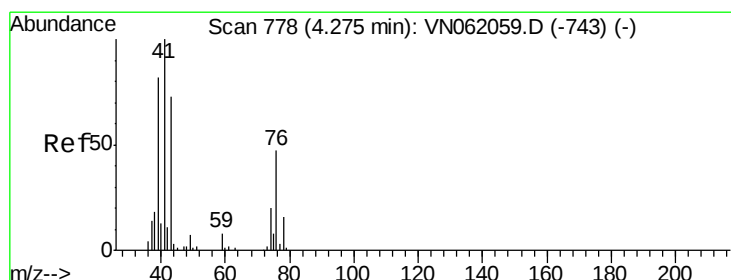
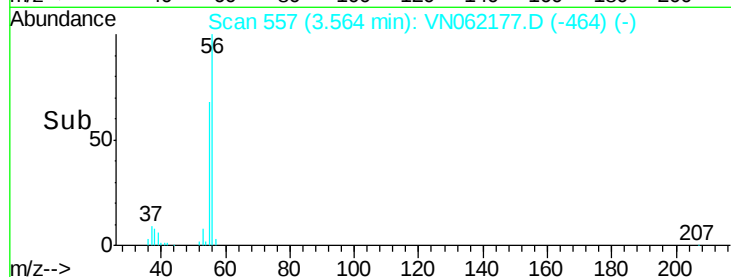
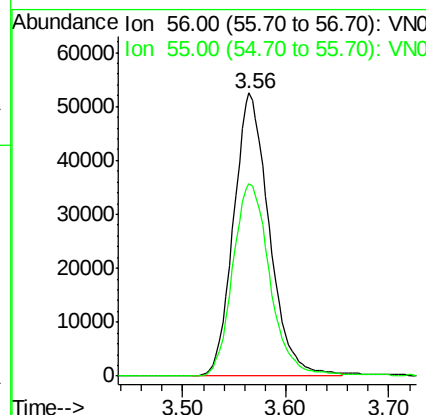
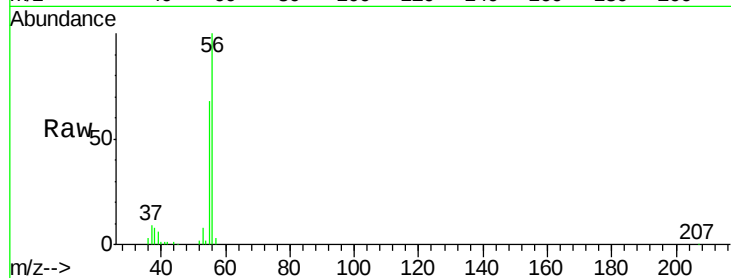
#13
Acrolein
Concen: 286.401 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	56	Resp	126142
Ion Ratio	100	Lower	Upper
56	100		
55	70.5	55.5	83.3

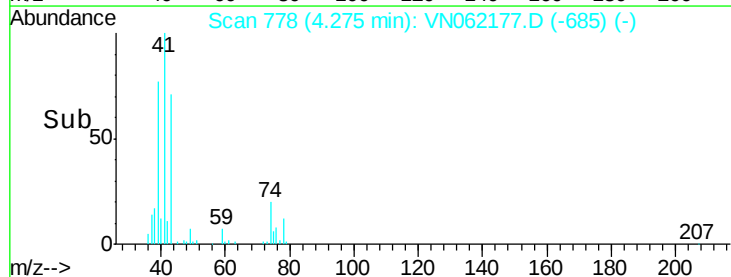
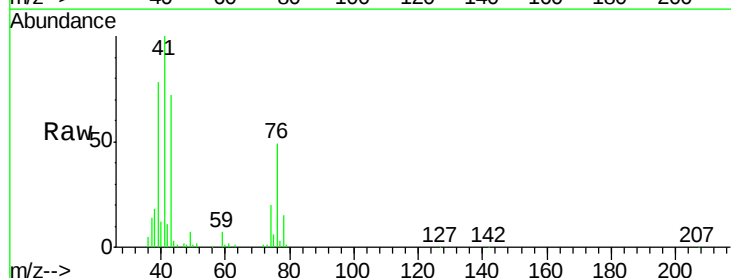
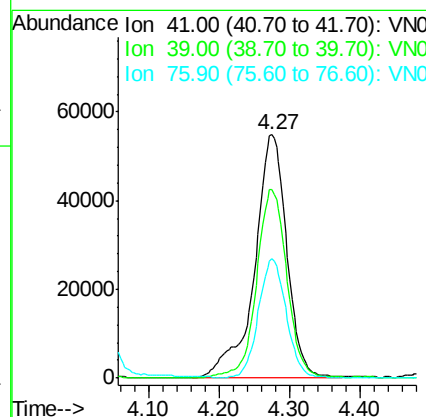
Manual Integrations
APPROVED

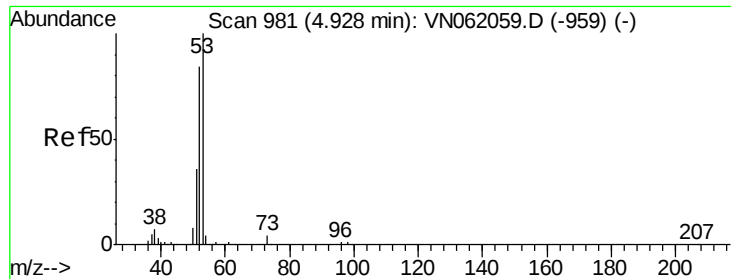
MMDadoda
6/29/2020 12:35:57 PM



#14
Allyl chloride
Concen: 50.489 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	41	Resp	176226
Ion Ratio	100	Lower	Upper
41	100		
39	72.4	60.0	90.0
76	41.4	34.1	51.1





#15

Acrylonitrile

Concen: 269.975 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

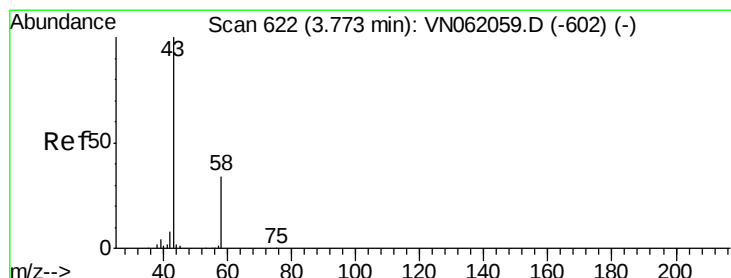
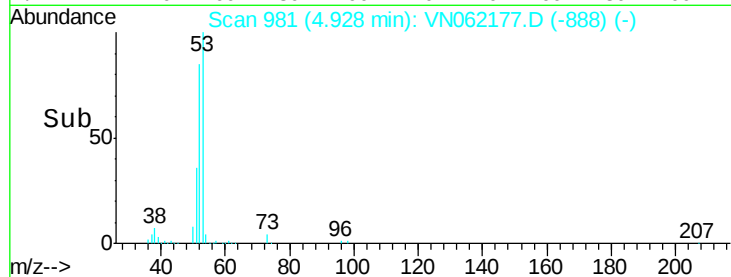
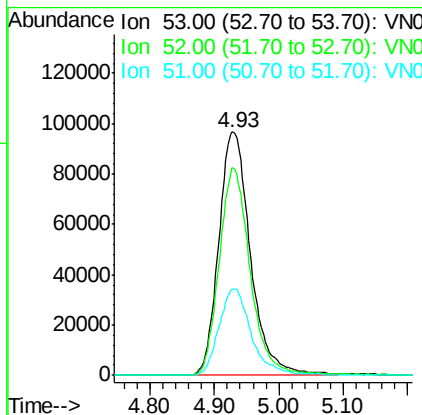
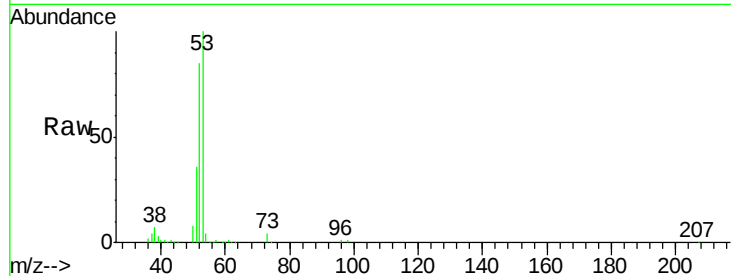
ClientSampleId :

56BR-20200622MS

Tot Ion	53	Resp	330957
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	35.8	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#16

Acetone

Concen: 270.162 ug/l

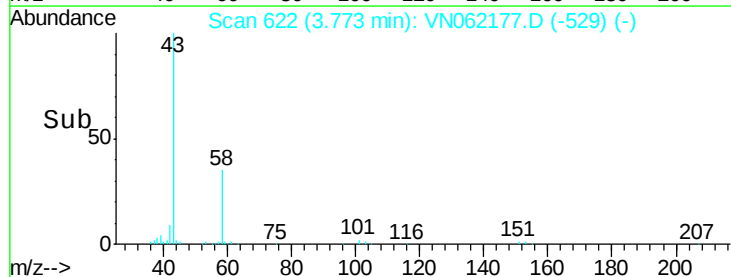
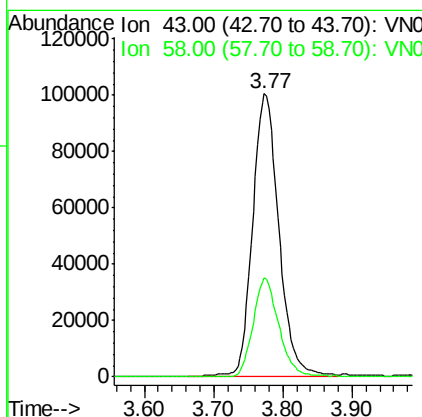
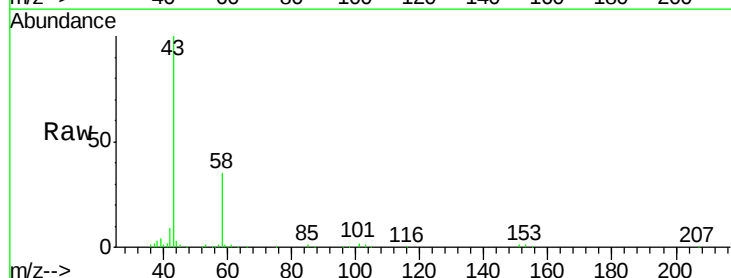
RT: 3.77 min Scan# 622

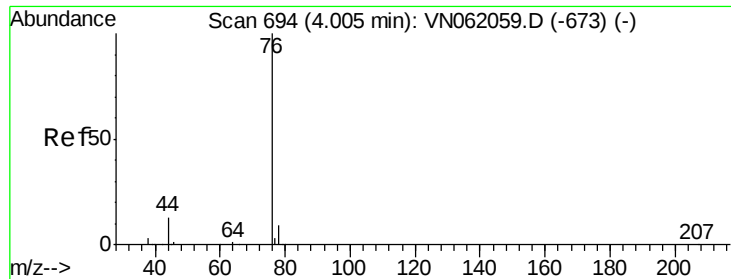
Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion	43	Resp	265374
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.5	41.3





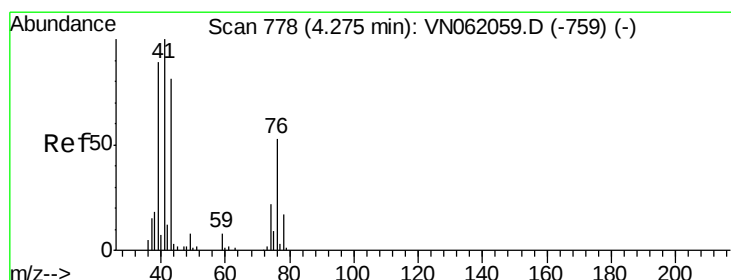
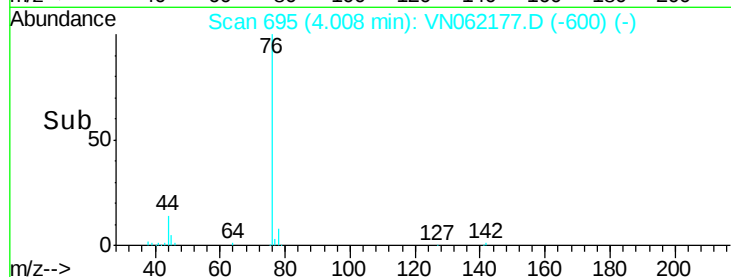
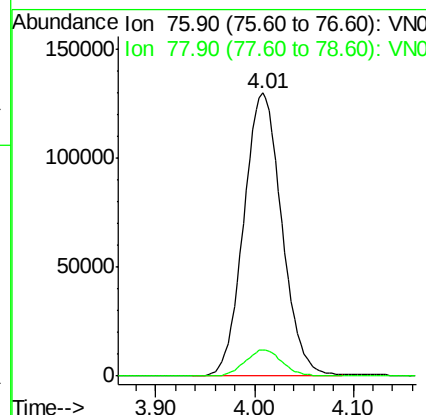
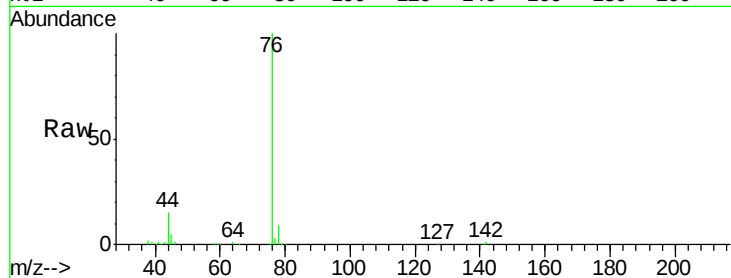
#17
Carbon Disulfide
Concen: 47.138 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

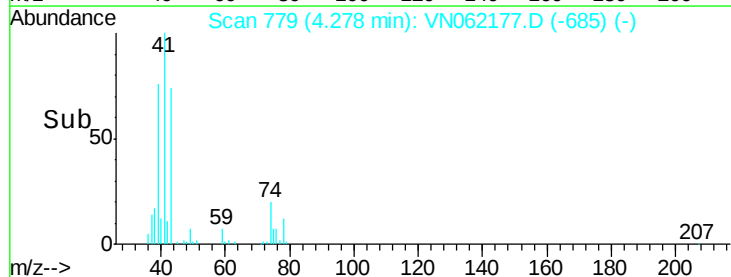
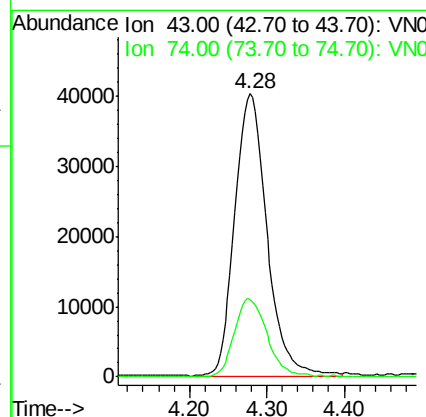
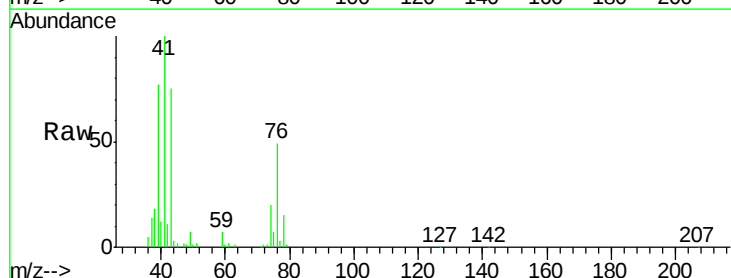
Manual Integrations
APPROVED

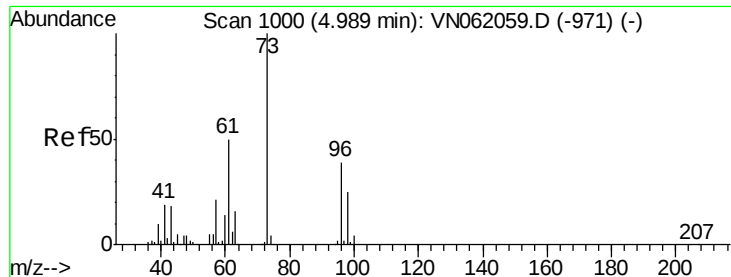
MMDadoda
6/29/2020 12:35:57 PM



#18
Methyl Acetate
Concen: 47.283 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	22.9	34.3





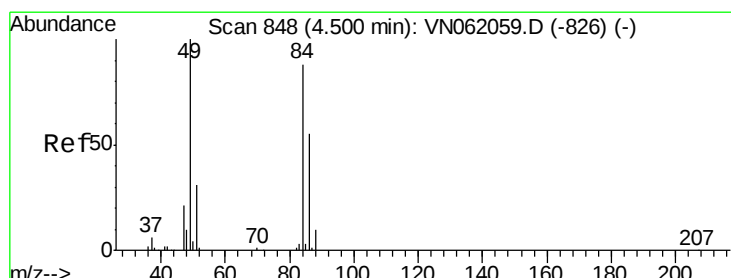
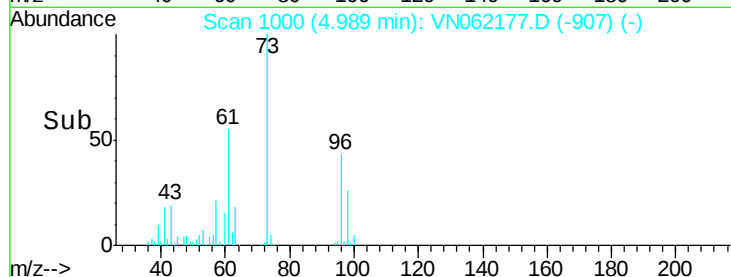
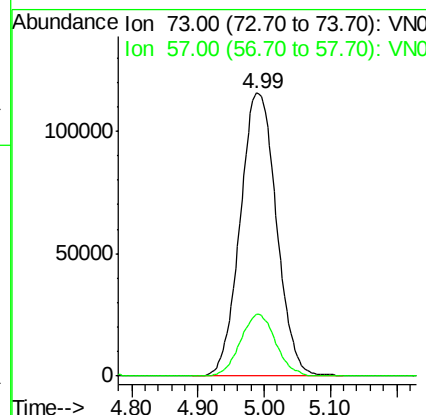
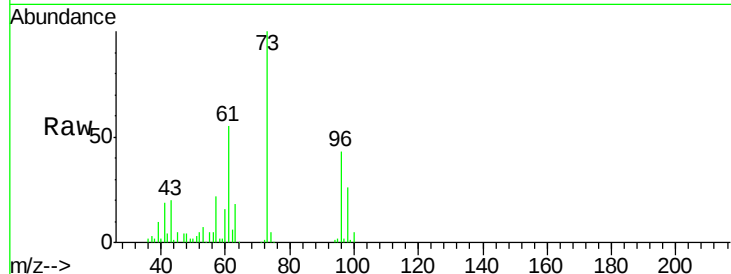
#19
Methvl tert-butvl Ether
Concen: 53.742 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	73	Resp	440253
Ion Ratio	100	Lower	Upper
57	21.8	16.6	24.8

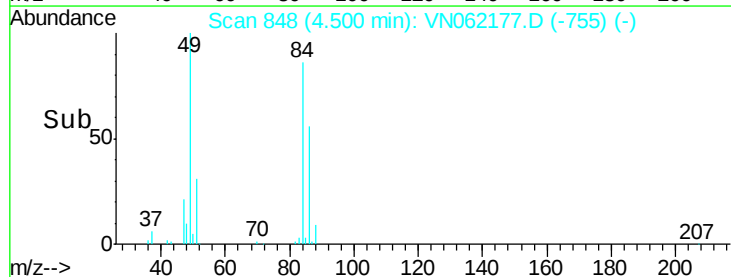
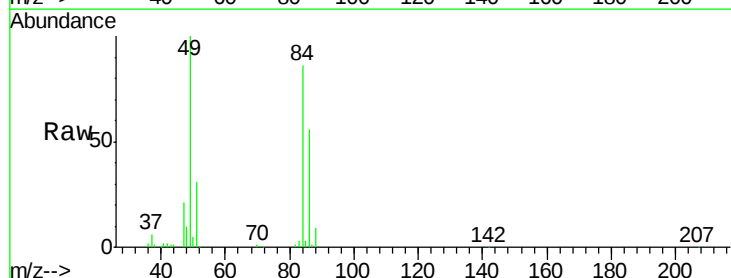
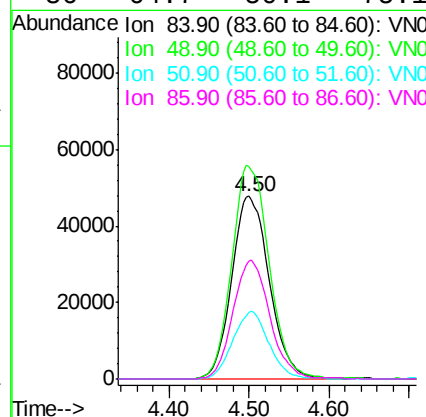
Manual Integrations
APPROVED

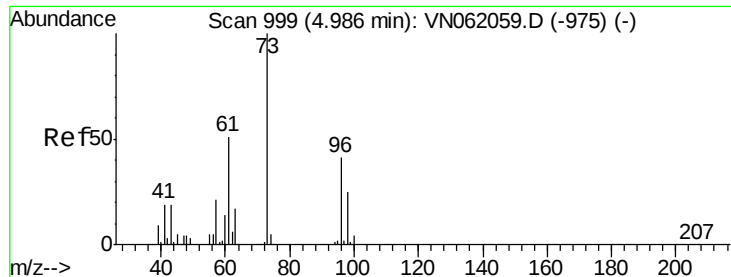
MMDadoda
6/29/2020 12:35:57 PM



#20
Methylene Chloride
Concen: 53.156 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	84	Resp	152852
Ion Ratio	100	Lower	Upper
49	116.6	90.6	136.0
51	36.3	27.8	41.8
86	64.7	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 54.469 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

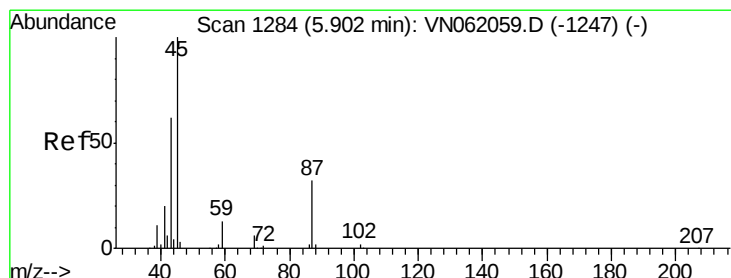
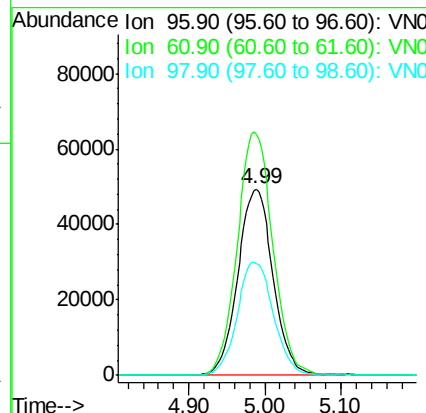
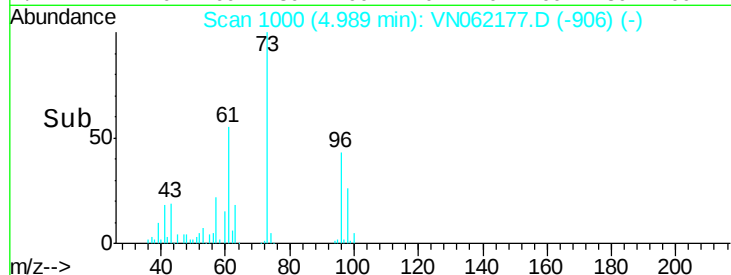
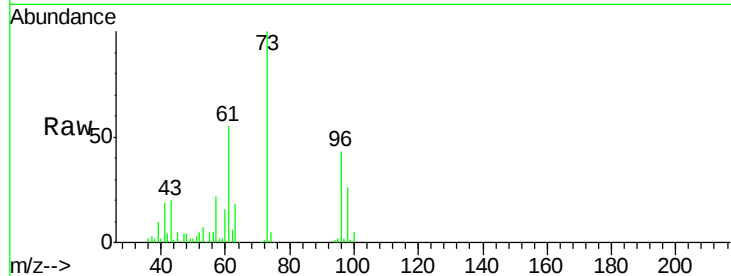
ClientSampleId :

56BR-20200622MS

Tot Ion:	96	Resp:	159076
Ion	Ratio	Lower	Upper
96	100		
61	129.4	101.4	152.2
98	59.8	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#22

Diisopropyl ether

Concen: 52.611 ug/l

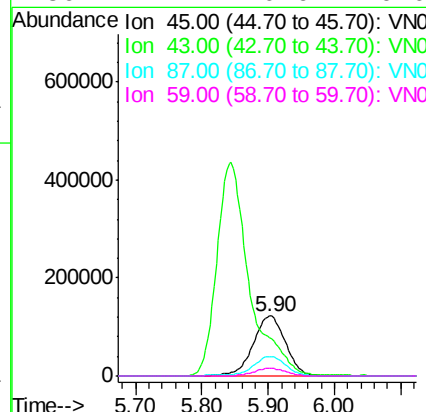
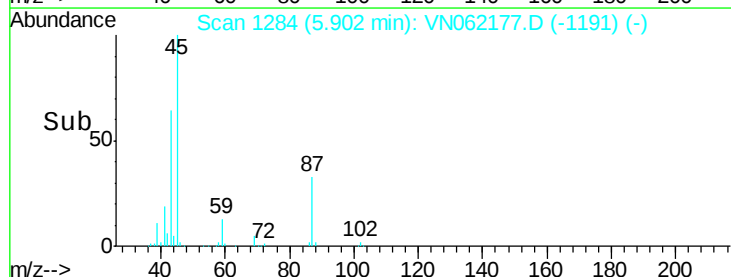
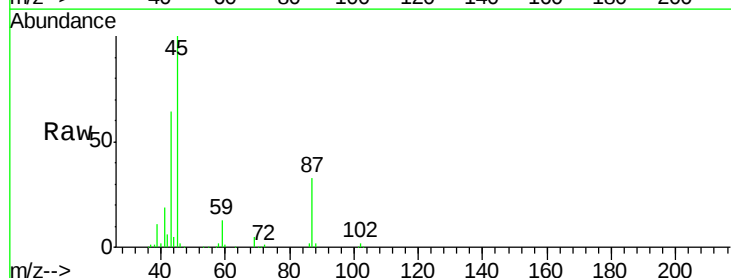
RT: 5.90 min Scan# 1284

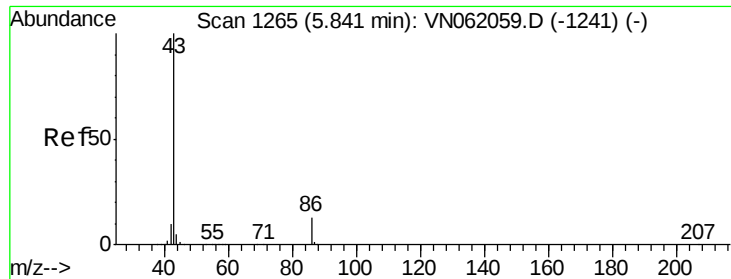
Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion:	45	Resp:	418110
Ion	Ratio	Lower	Upper
45	100		
43	62.5	49.7	74.5
87	32.5	25.9	38.9
59	12.7	10.6	16.0





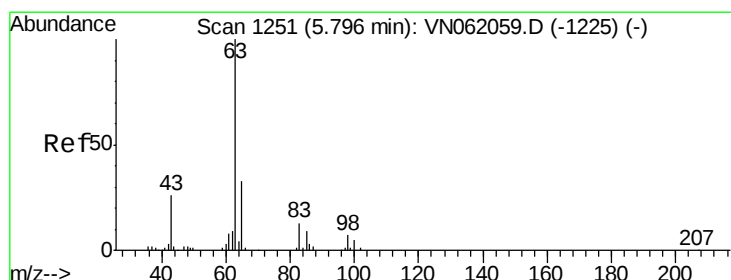
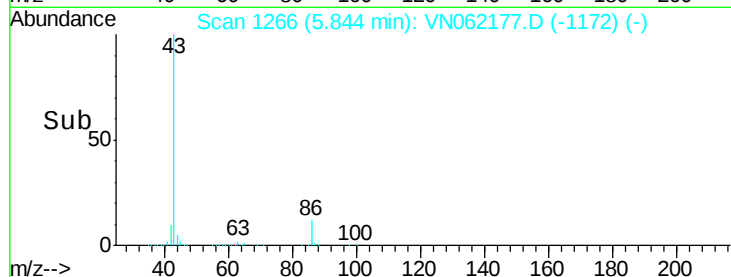
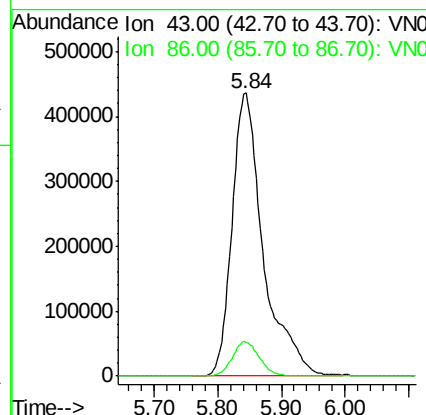
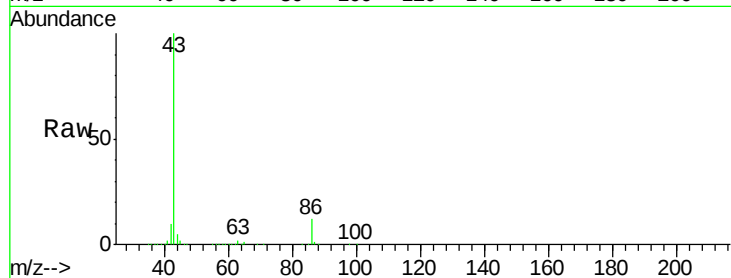
#23
 Vinyl Acetate
 Concen: 229.768 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion: 43 Resp: 1490849
 Ion Ratio Lower Upper
 43 100
 86 12.2 10.1 15.1

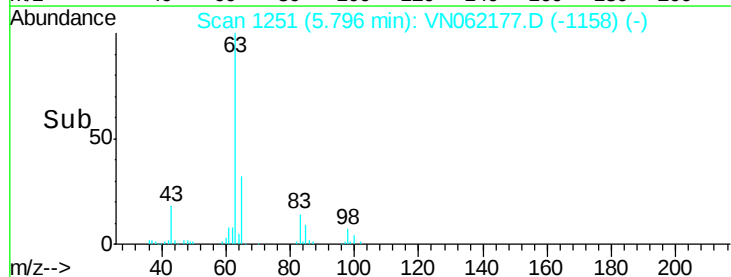
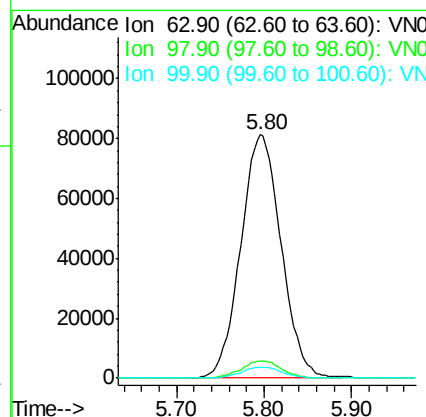
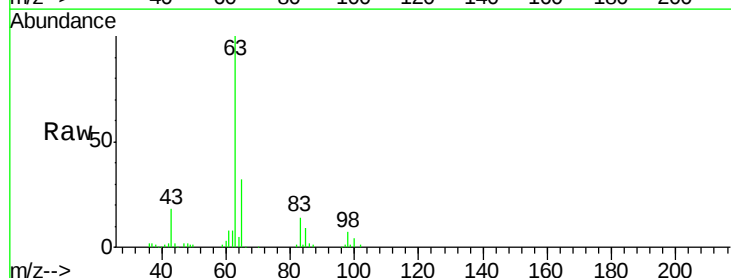
Manual Integrations
 APPROVED

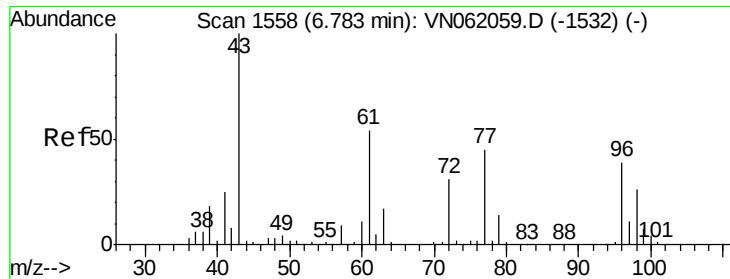
MMDadoda
 6/29/2020 12:35:57 PM



#24
 1,1-Dichloroethane
 Concen: 50.770 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion: 63 Resp: 259822
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.4 2.4 7.1





#25

2-Butanone

Concen: 277.374 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 43 Resp: 424790

Ion Ratio Lower Upper

43 100

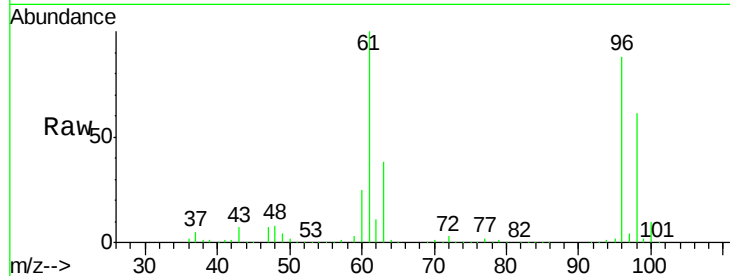
72 41.2 24.8 37.2#

Manual Integrations

APPROVED

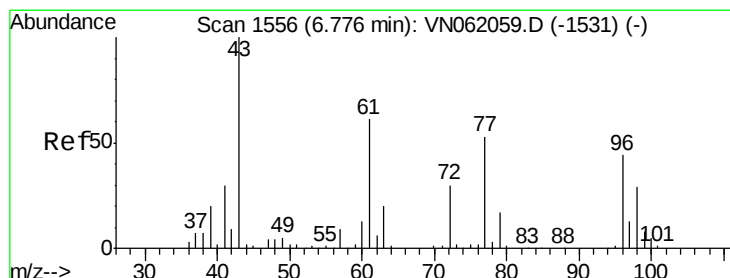
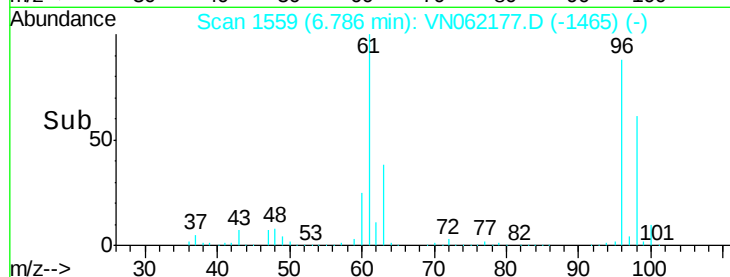
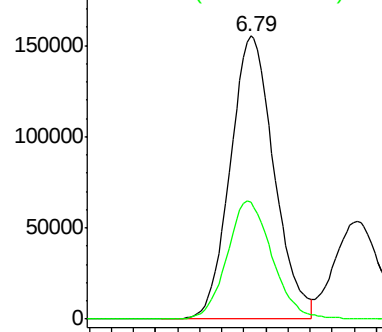
MMDadoda

6/29/2020 12:35:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 32.679 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062177.D

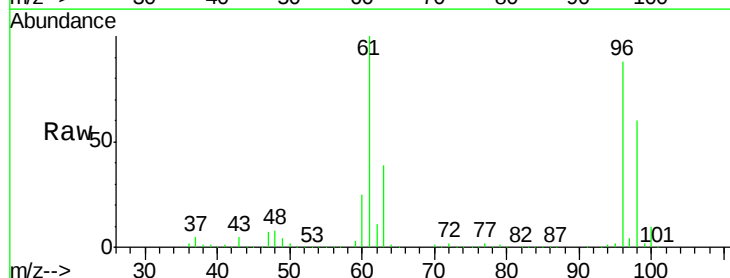
Acq: 27 Jun 2020 7:05

Tgt Ion: 77 Resp: 139360

Ion Ratio Lower Upper

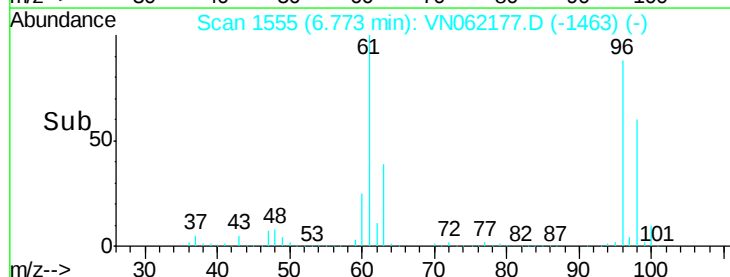
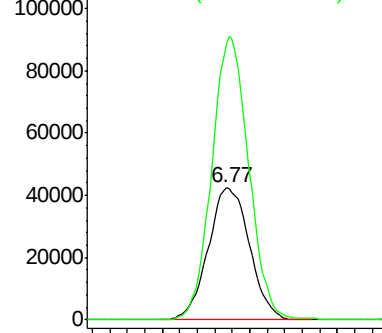
77 100

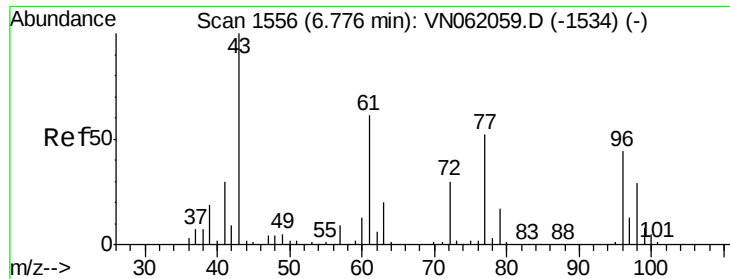
97 190.7 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 1877.544 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 96 Resp: 6170246

Ion Ratio Lower Upper

96 100

61 116.9 0.0 280.4

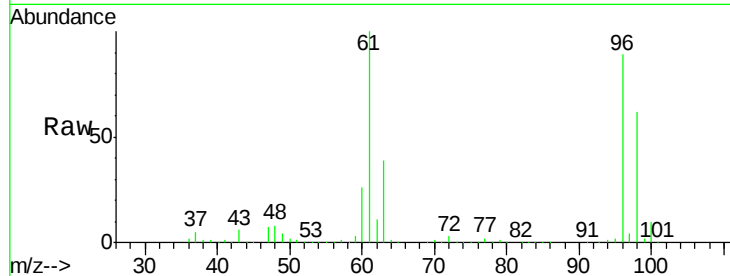
98 66.6 0.0 129.4

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:57 PM

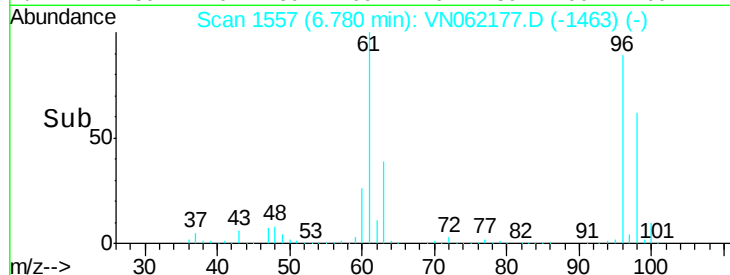


Abundance Ion 95.90 (95.60 to 96.60): VN062177.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062177.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062177.D (-1463) (-)

Time-->

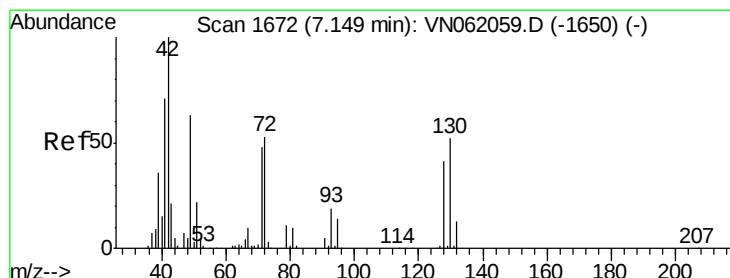


Abundance Ion 95.90 (95.60 to 96.60): VN062177.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062177.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062177.D (-1463) (-)

Time-->



#28

Bromochloromethane

Concen: 50.921 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

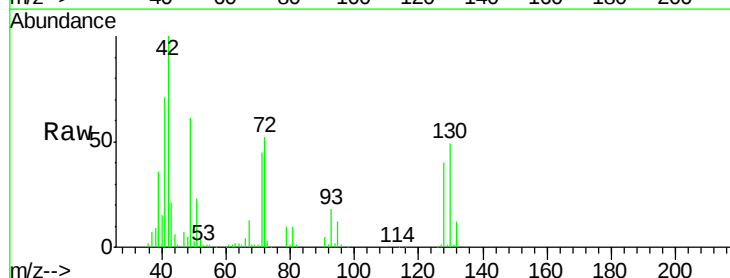
Tgt Ion: 49 Resp: 113065

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 80.1 65.5 98.3

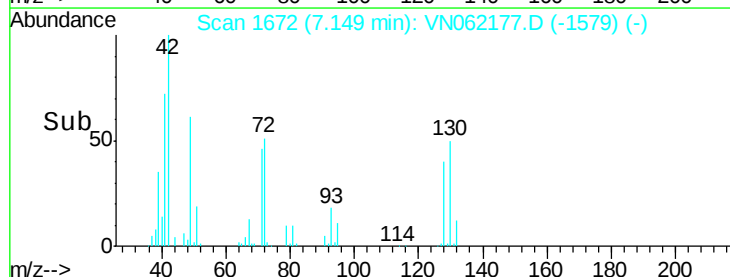


Abundance Ion 48.90 (48.60 to 49.60): VN062177.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062177.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062177.D (-1579) (-)

Time-->

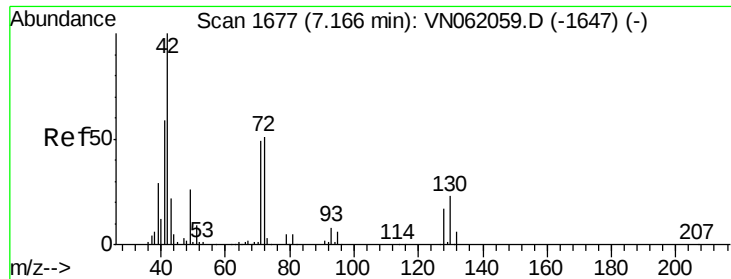


Abundance Ion 48.90 (48.60 to 49.60): VN062177.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062177.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062177.D (-1579) (-)

Time-->



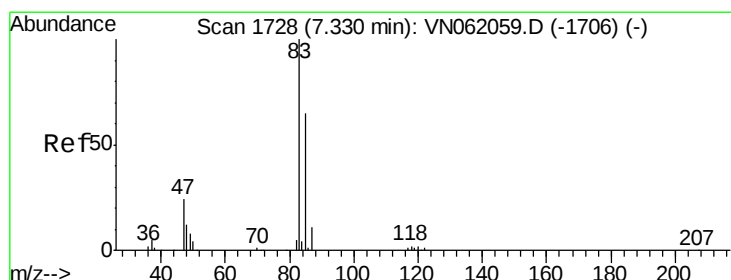
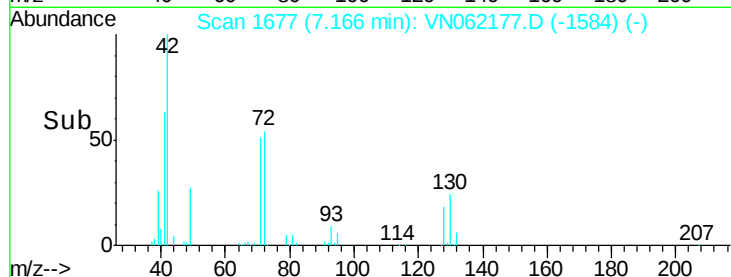
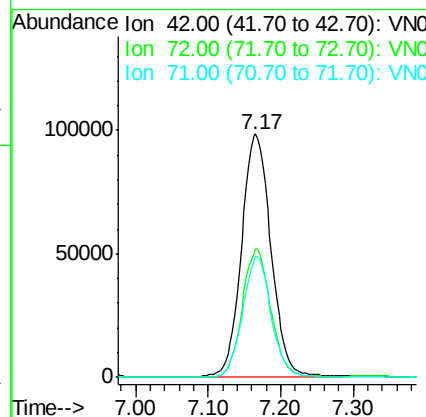
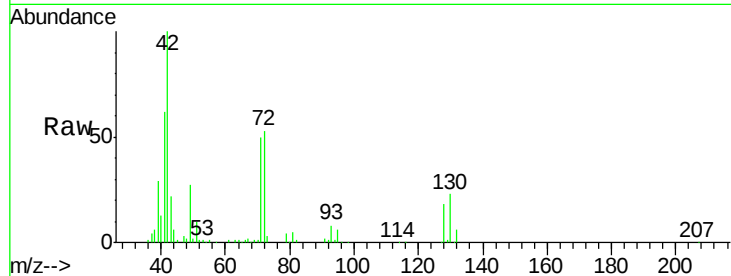
#29
Tetrahydrofuran
Concen: 279.737 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	41.1	61.7
71	47.7	38.2	57.4

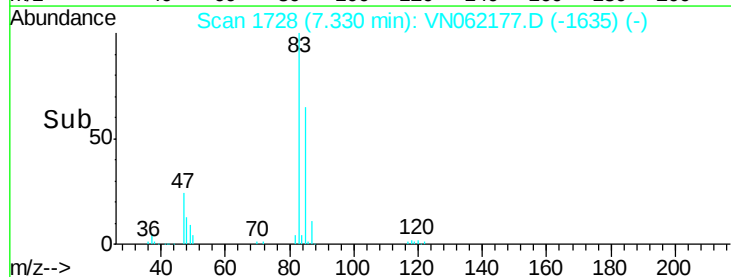
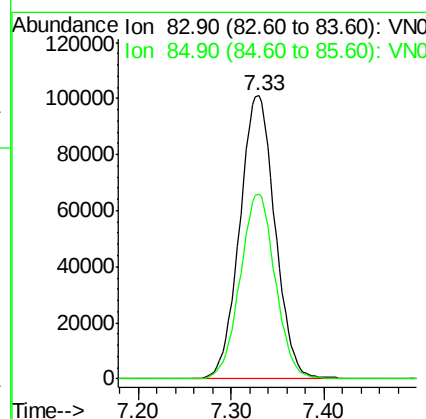
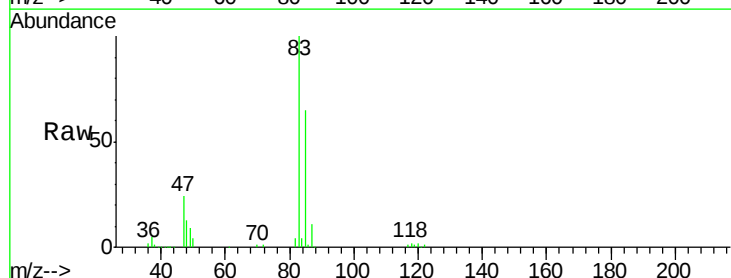
Manual Integrations
APPROVED

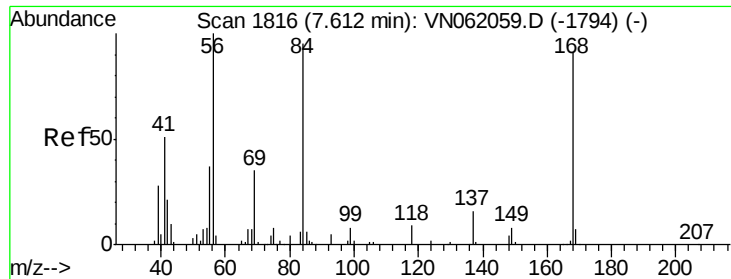
MMDadoda
6/29/2020 12:35:57 PM



#30
Chloroform
Concen: 51.316 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.3	78.5





#31

Cyclohexane

Concen: 47.942 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

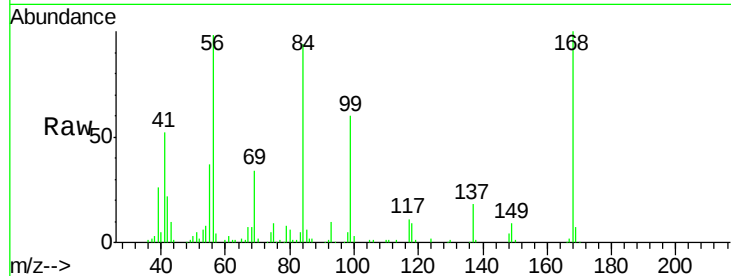
ClientSampleId :

56BR-20200622MS

Tot Ion:	56	Resp:	207530
Ion Ratio	Lower	Upper	
56	100		
69	35.2	28.0	42.0
84	95.5	76.1	114.1

Manual Integrations
APPROVED

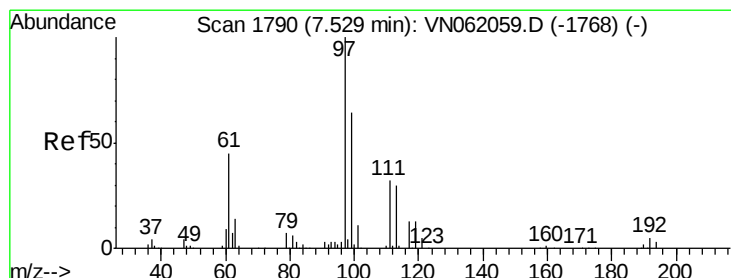
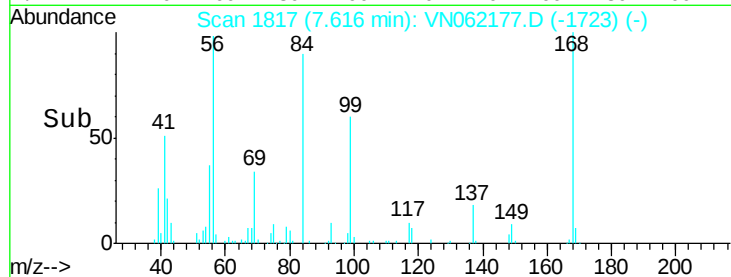
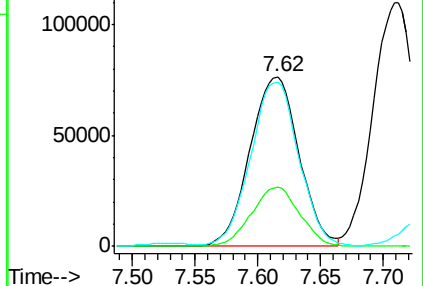
MMDadoda
6/29/2020 12:35:57 PM



Abundance Ion 56.00 (55.70 to 56.70): VN062177.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062177.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062177.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 50.744 ug/l

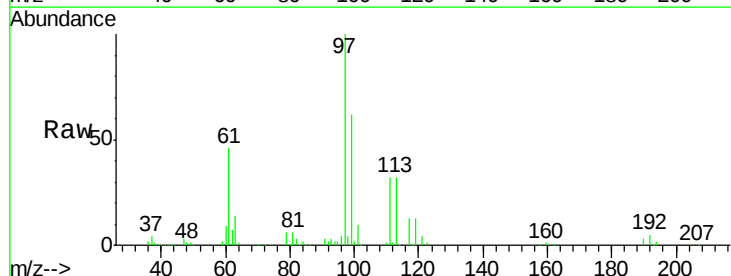
RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

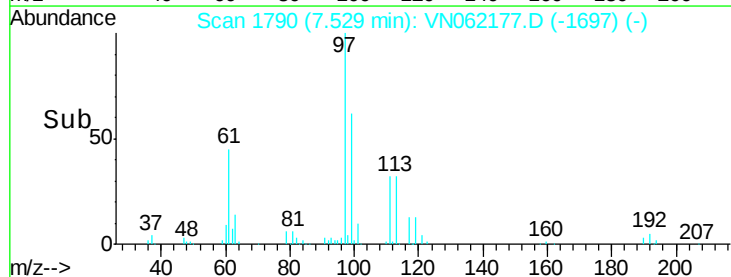
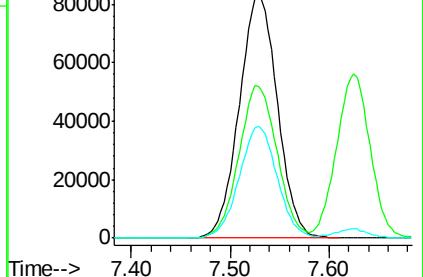
Tgt Ion:	97	Resp:	222815
Ion Ratio	Lower	Upper	
97	100		
99	62.7	51.0	76.4
61	45.6	36.2	54.2

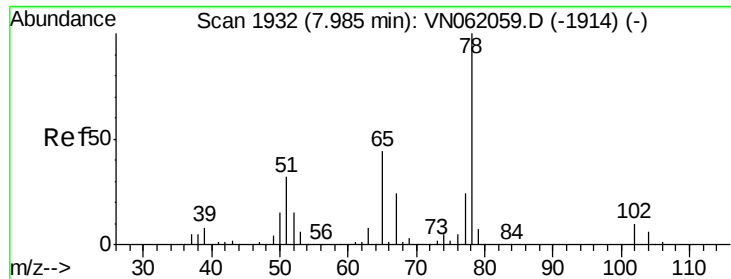


Abundance Ion 96.90 (96.60 to 97.60): VN062177.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062177.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062177.D (-1697) (-)





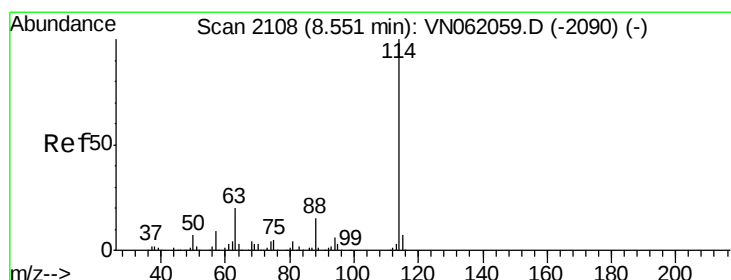
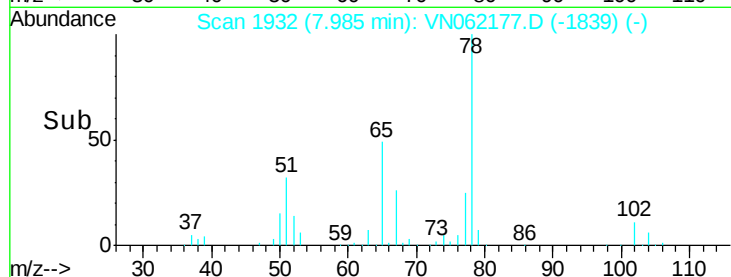
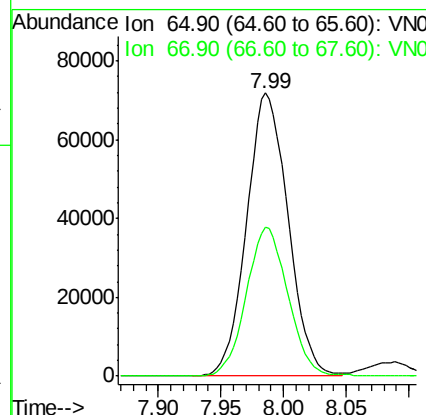
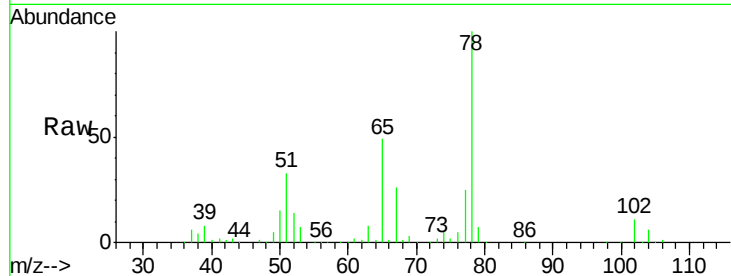
#33
 1,2-Dichloroethane-d4
 Concen: 52.822 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165502		
67	52.8	0.0	106.2	

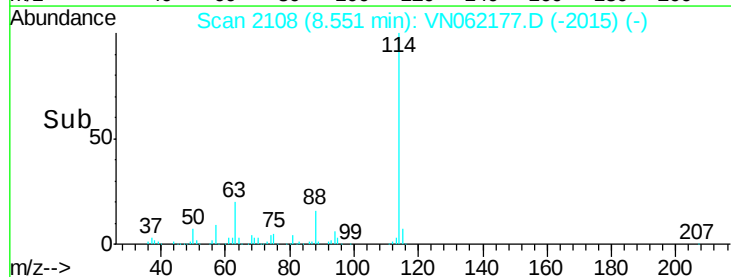
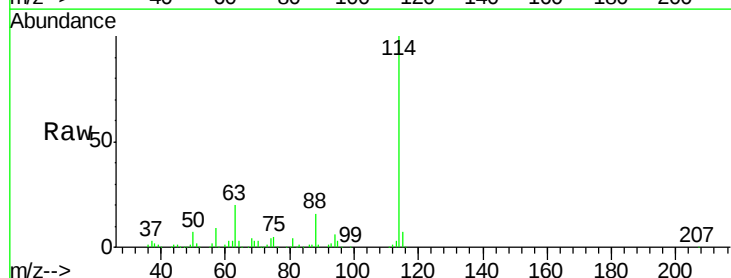
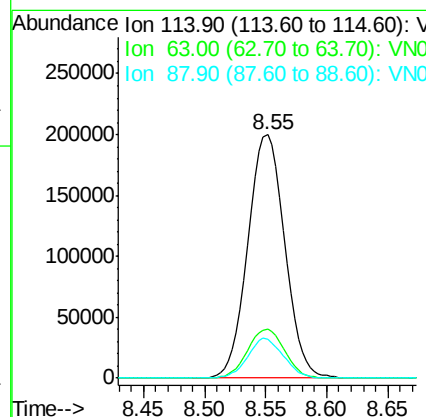
Manual Integrations
 APPROVED

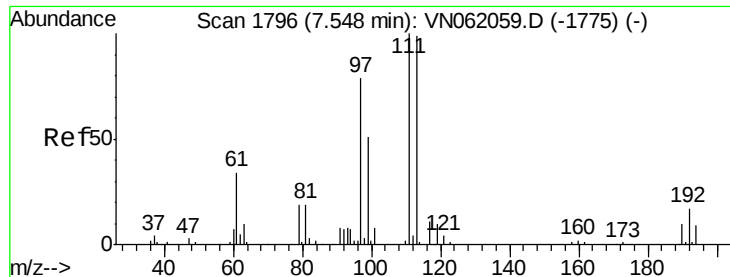
MMDadoda
 6/29/2020 12:35:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	417691		
63	20.2	0.0	39.2	
88	16.0	0.0	30.8	





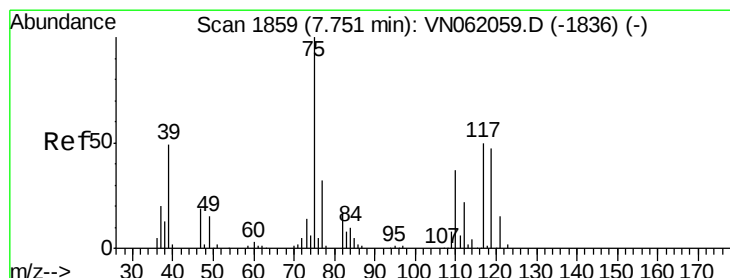
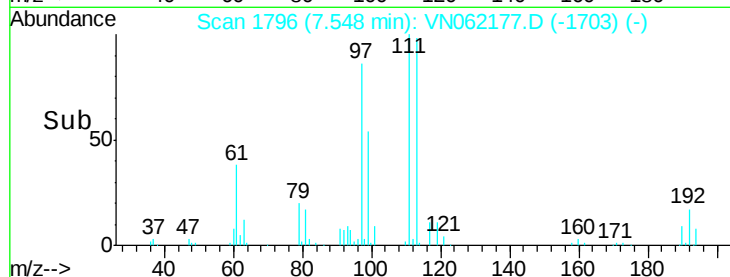
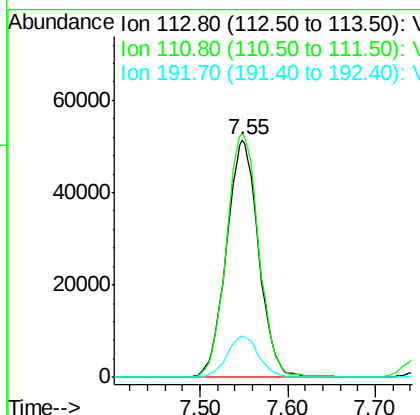
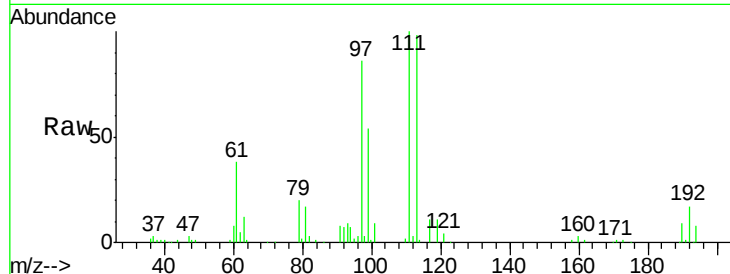
#35
Dibromofluoromethane
Concen: 48.845 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130890		
111	103.7	82.2	123.4	
192	17.1	14.0	21.0	

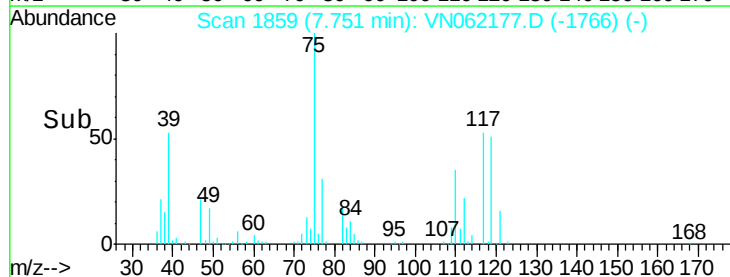
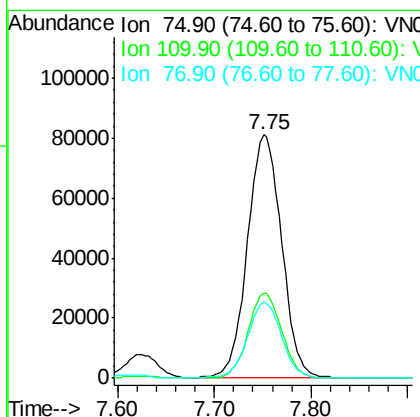
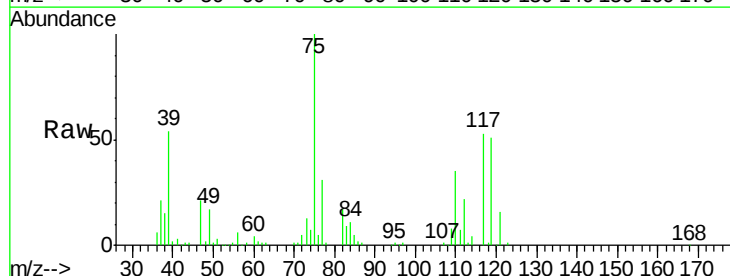
Manual Integrations
APPROVED

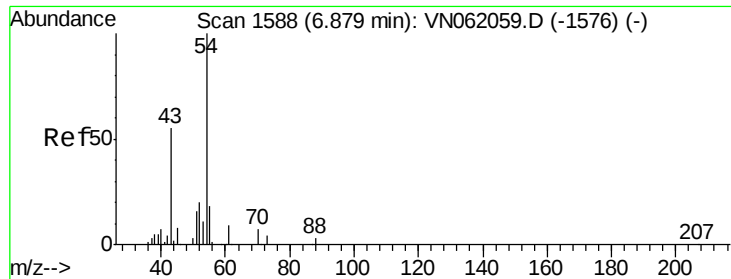
MMDadoda
6/29/2020 12:35:57 PM



#36
1,1-Dichloropropene
Concen: 47.212 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198218		
110	34.5	17.9	53.8	
77	31.4	24.9	37.3	





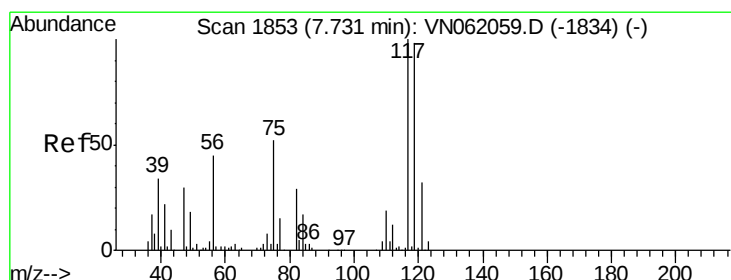
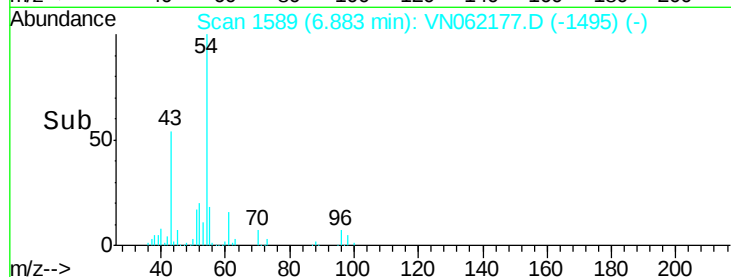
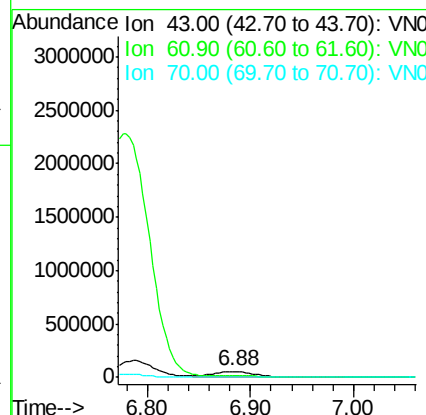
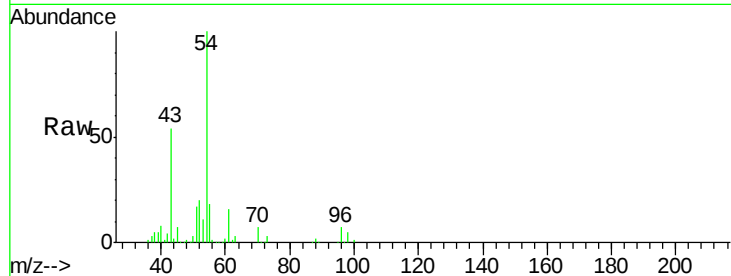
#37
Ethyl Acetate
Concen: 44.580 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	11.6	9.6	14.4

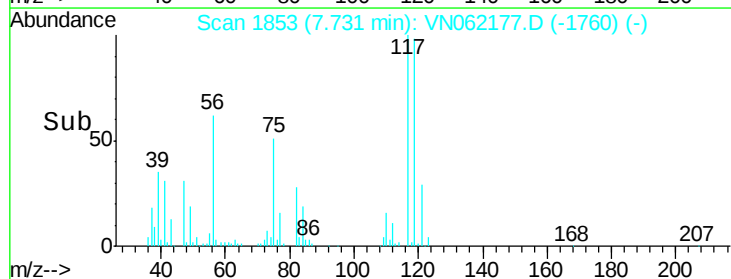
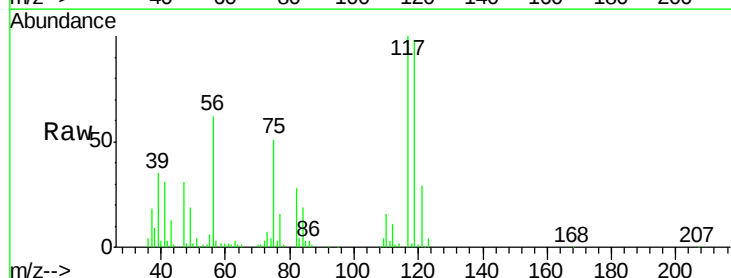
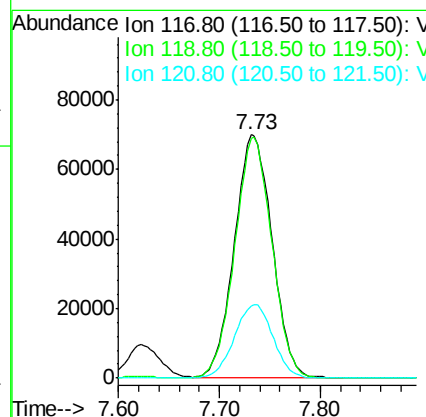
Manual Integrations
APPROVED

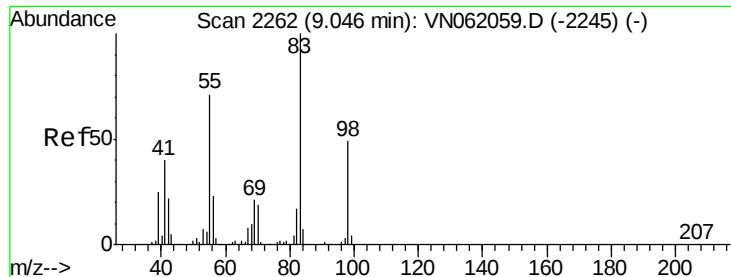
MMDadoda
6/29/2020 12:35:57 PM



#38
Carbon Tetrachloride
Concen: 46.055 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	78.2	117.2
121	29.4	25.8	38.6





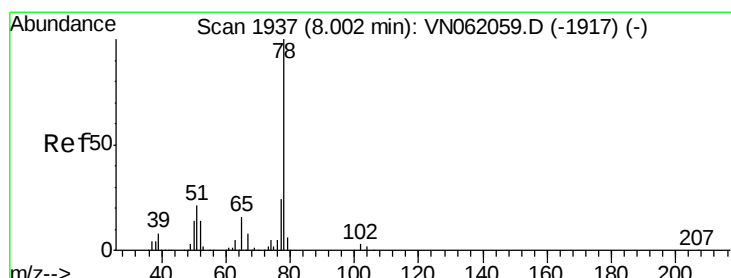
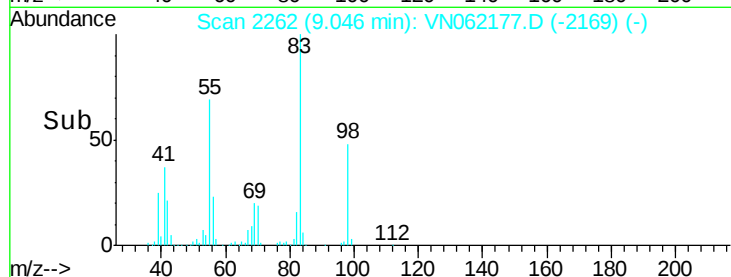
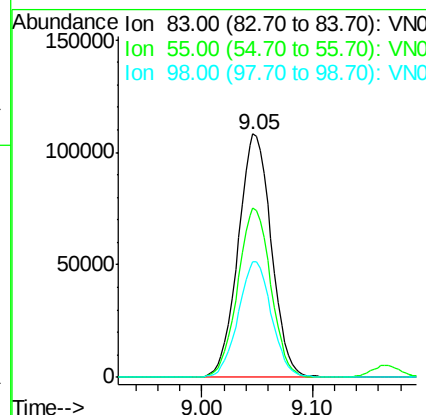
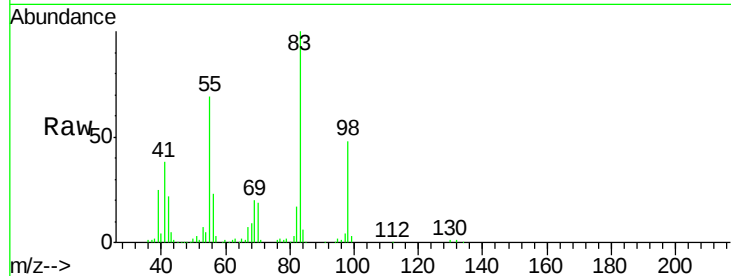
#39
Methvlcvclohexane
Concen: 49.054 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.5	57.0	85.6	
98	47.5	39.0	58.6	

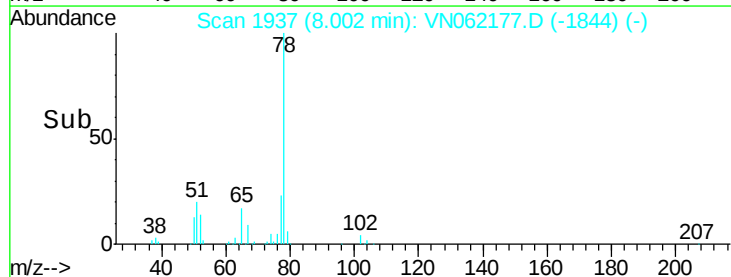
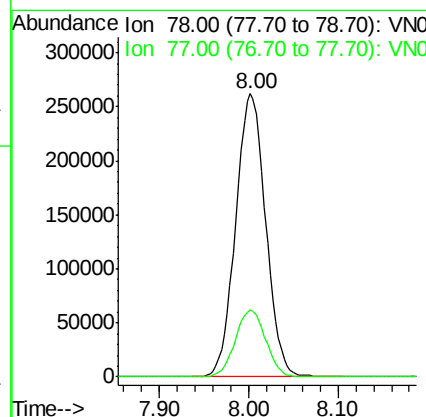
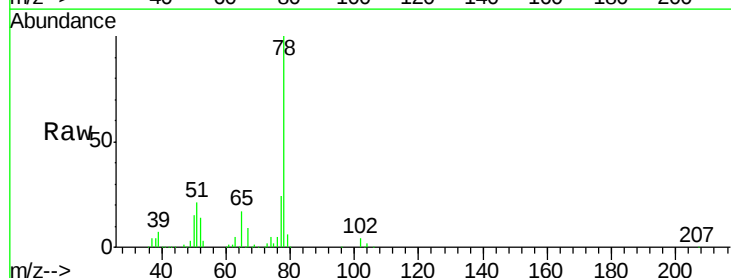
Manual Integrations
APPROVED

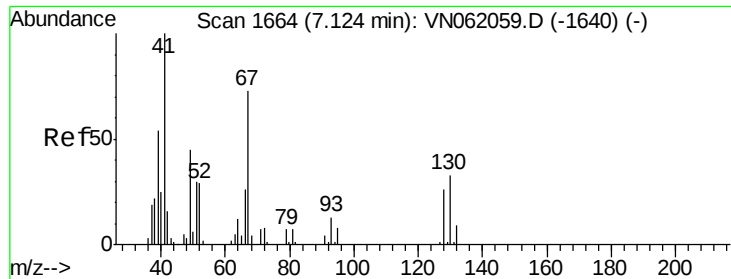
MMDadoda
6/29/2020 12:35:57 PM



#40
Benzene
Concen: 47.835 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.5	29.3	





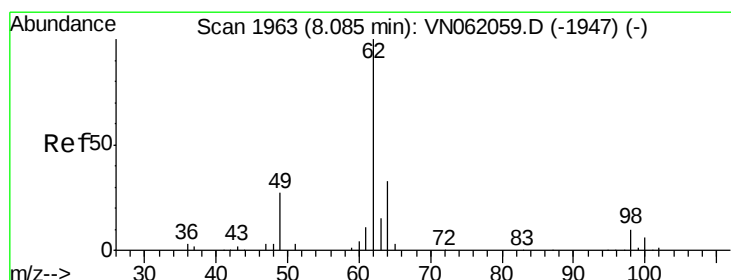
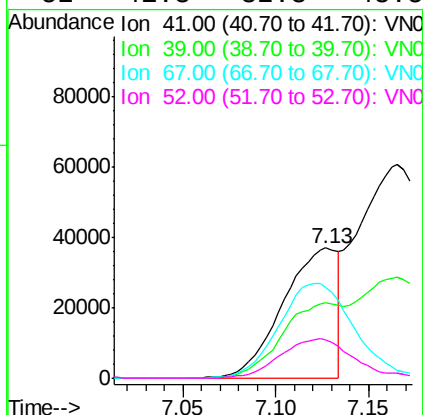
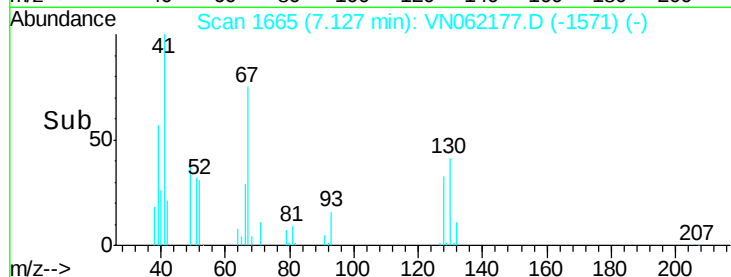
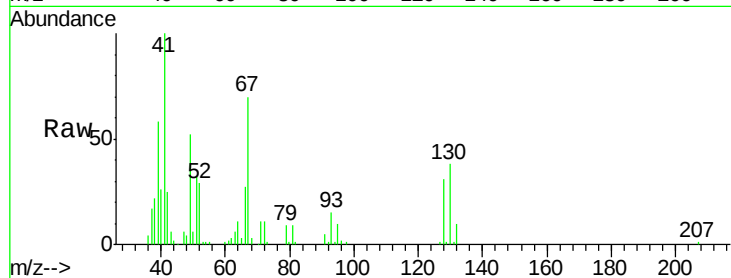
#41
Methacrylonitrile
Concen: 47.380 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.8	44.2	66.2
67	101.0	79.5	119.3
52	41.3	32.3	48.5

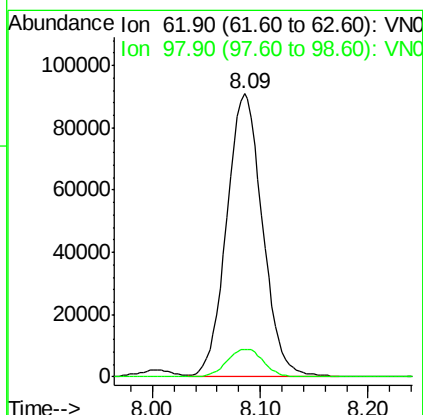
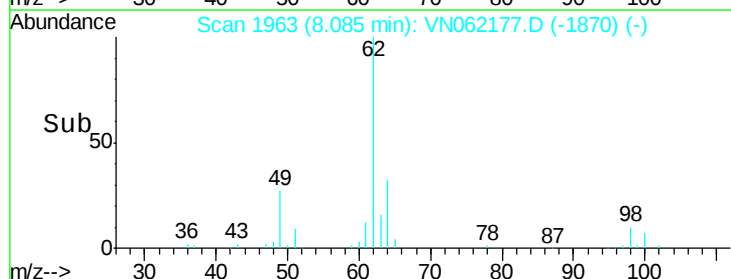
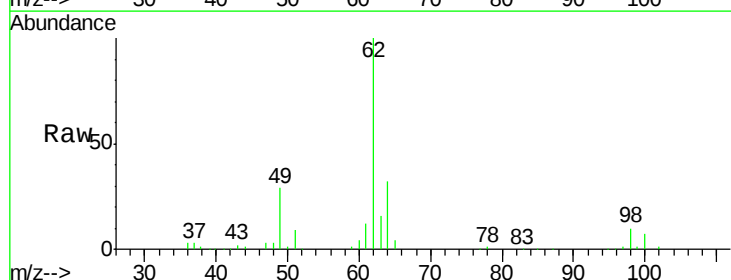
Manual Integrations
APPROVED

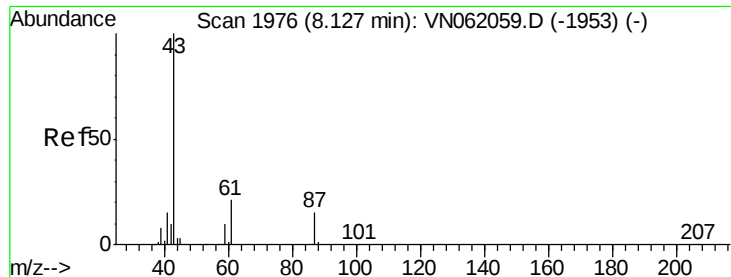
MMDadoda
6/29/2020 12:35:57 PM



#42
1,2-Dichloroethane
Concen: 48.401 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8





#43

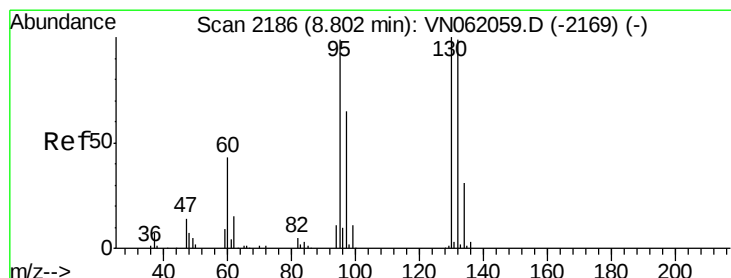
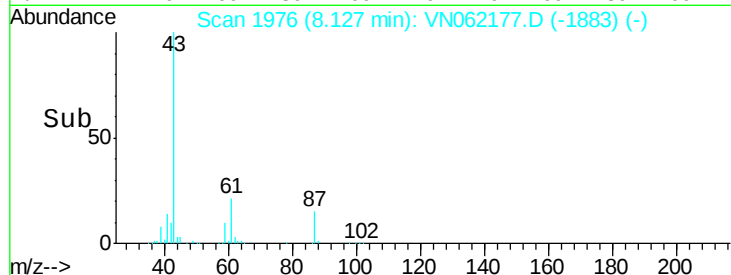
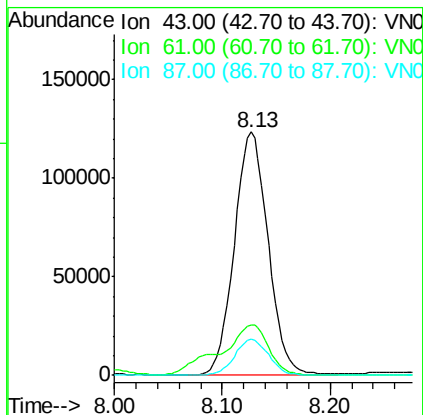
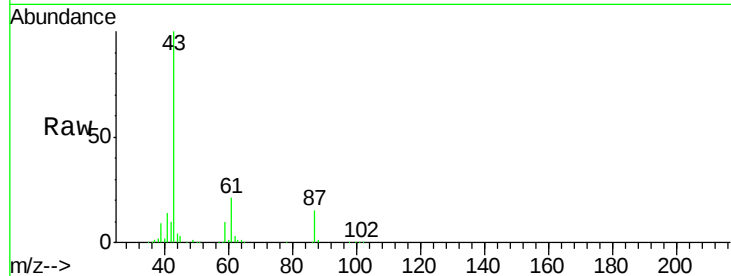
Isopropyl Acetate
 Concen: 47.527 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.2	25.8
87	15.0	12.1	18.1

Manual Integrations
 APPROVED

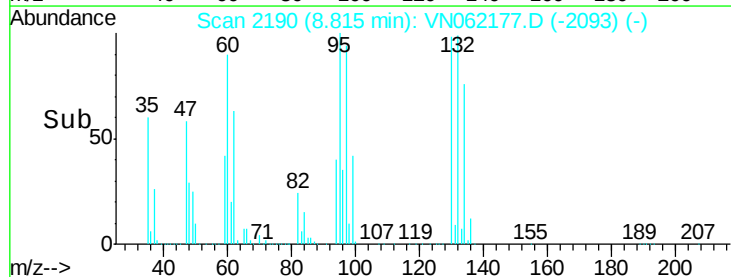
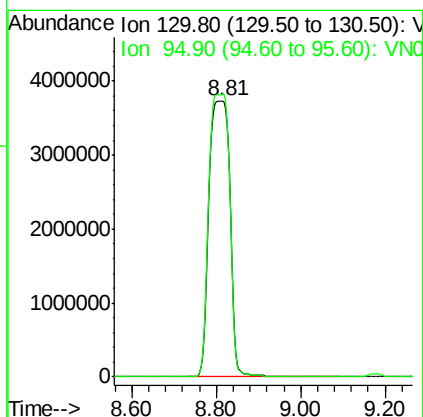
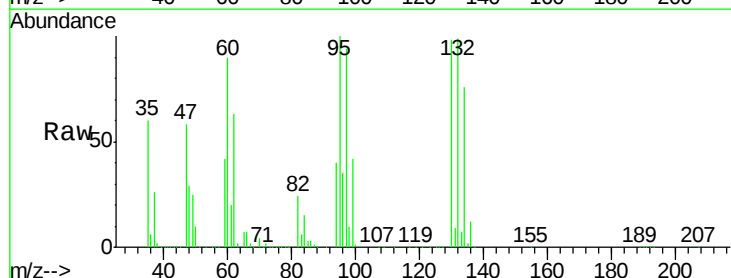
MMDadoda
 6/29/2020 12:35:57 PM

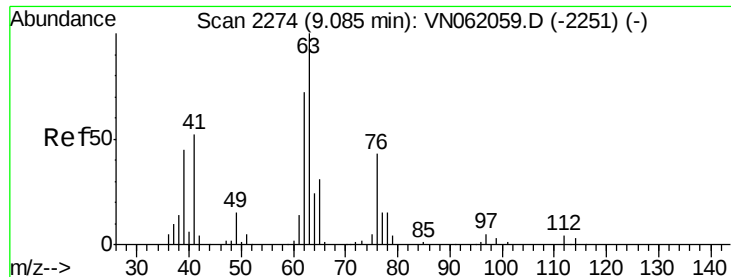


#44

Trichloroethene
 Concen: 3999.529 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. 0.01 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	197.8





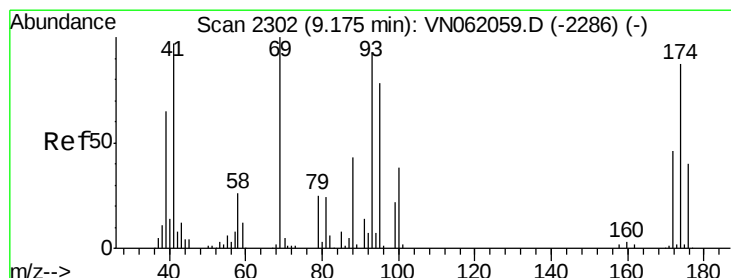
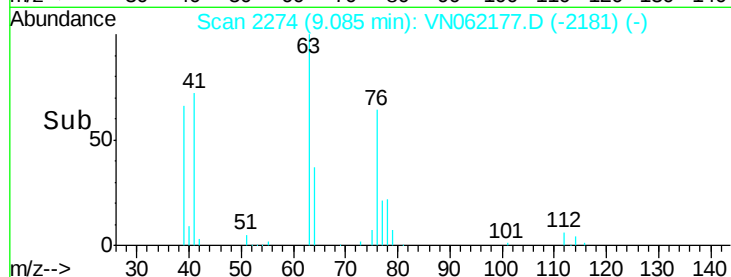
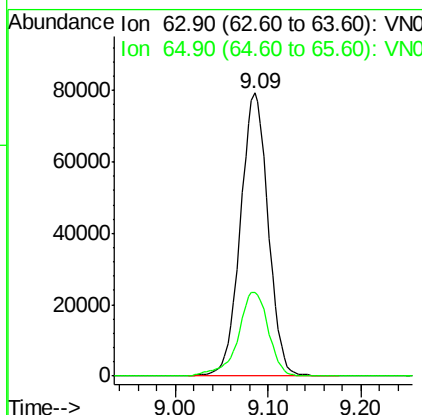
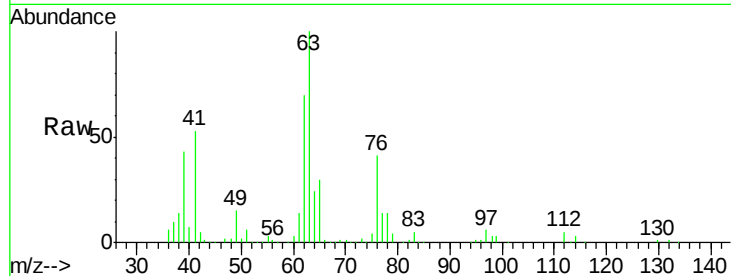
#45
 1,2-Dichloropropane
 Concen: 52.107 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion: 63 Resp: 164500
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

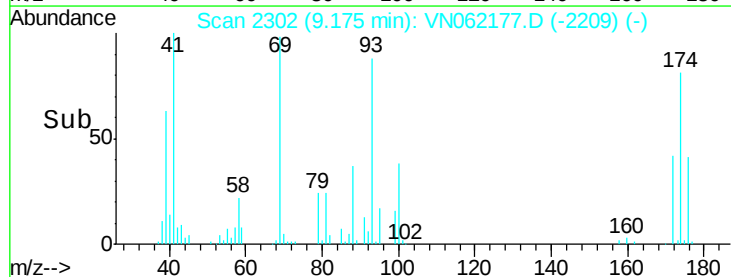
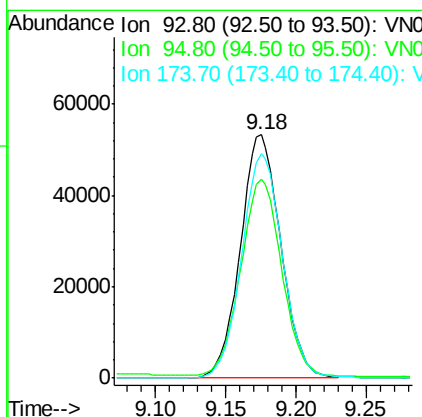
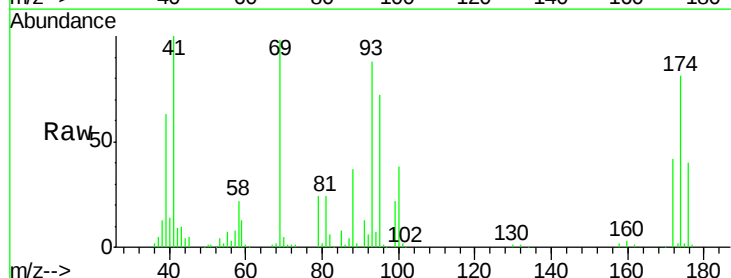
Manual Integrations
 APPROVED

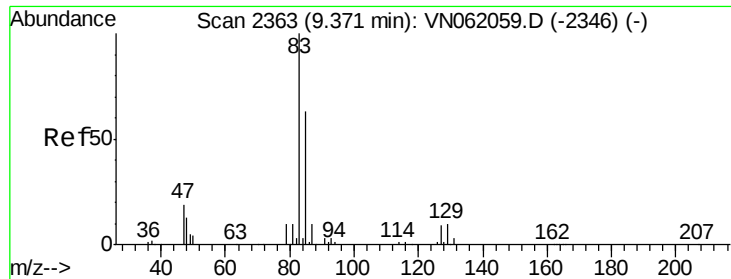
MMDadoda
 6/29/2020 12:35:57 PM



#46
 Dibromomethane
 Concen: 50.082 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion: 93 Resp: 107199
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.0 100.6
 174 92.8 74.4 111.6





#47

Bromodichloromethane

Concen: 51.844 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

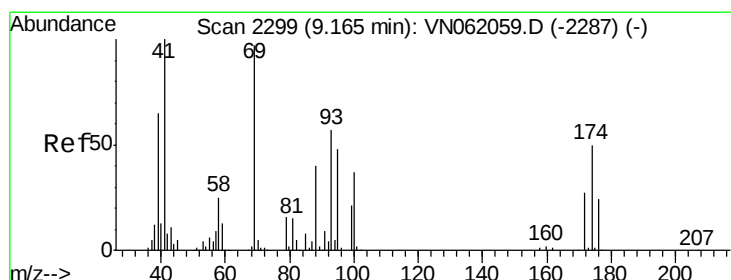
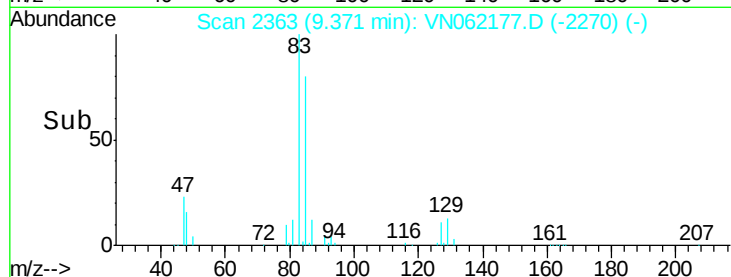
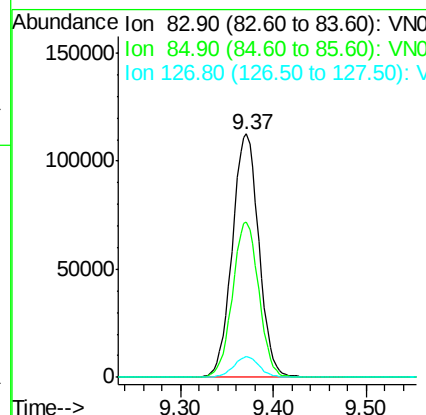
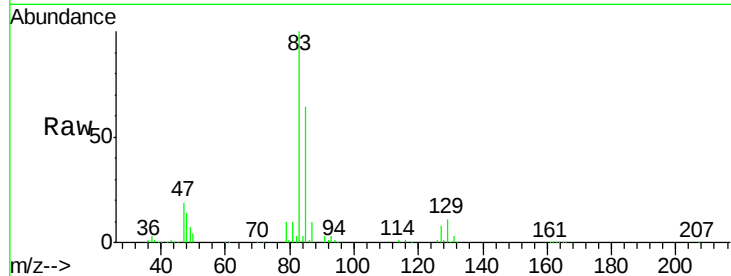
ClientSampleId :

56BR-20200622MS

Tot Ion:	83	Resp:	224062
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.3	75.5
127	8.4	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#48

Methyl methacrylate

Concen: 55.323 ug/l

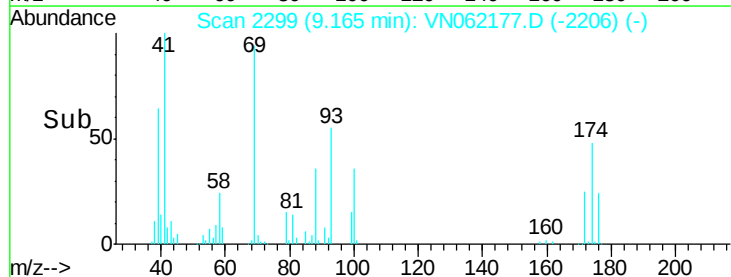
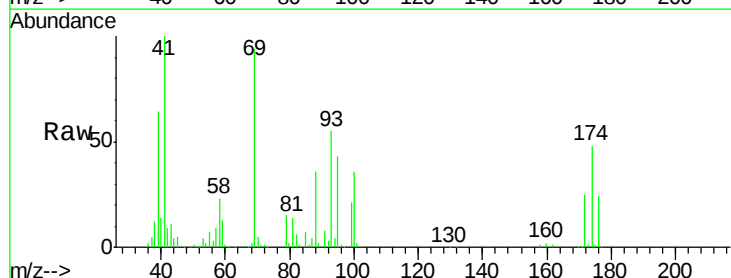
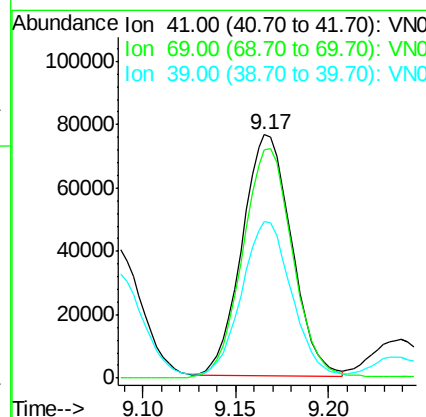
RT: 9.17 min Scan# 2299

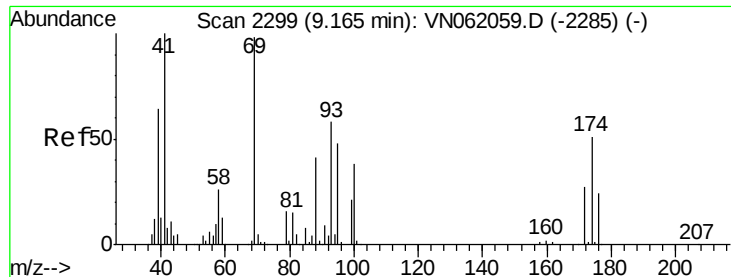
Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion:	41	Resp:	140578
Ion Ratio	Lower	Upper	
41	100		
69	97.2	80.7	121.1
39	66.0	54.5	81.7





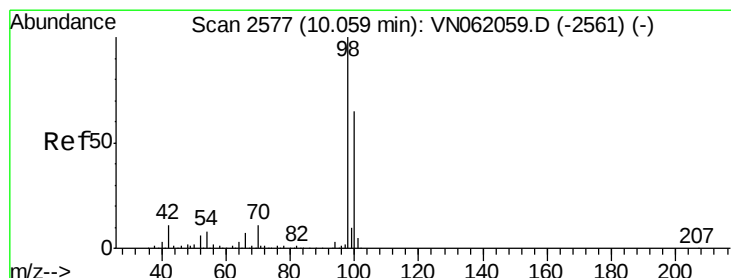
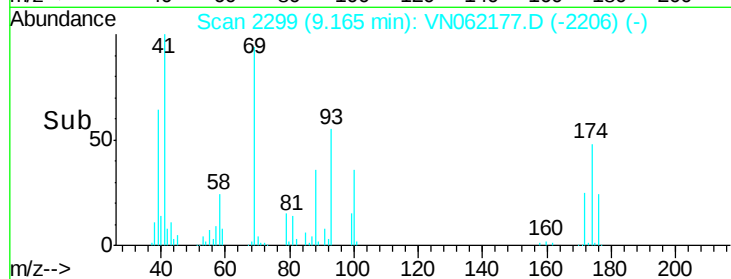
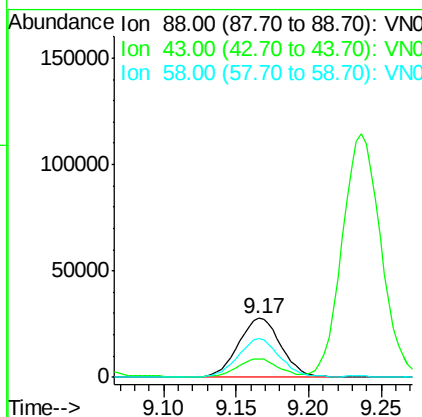
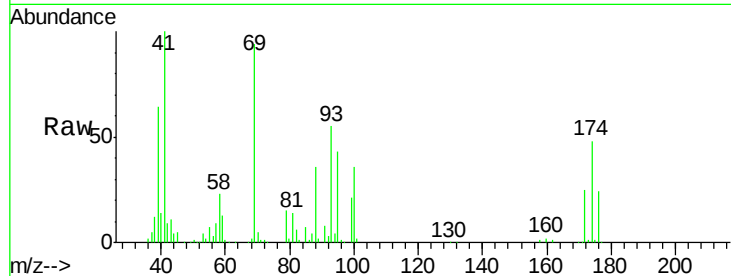
#49
1,4-Dioxane
Concen: 1009.440 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.0	33.0
58	63.9	49.2	73.8

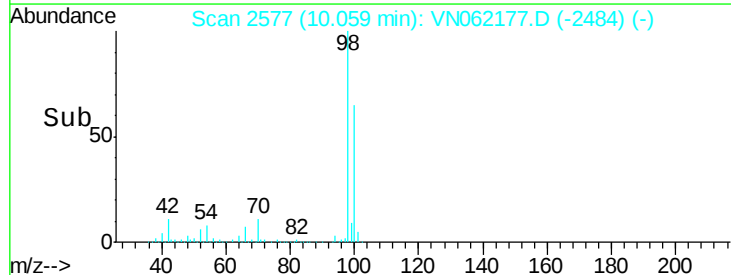
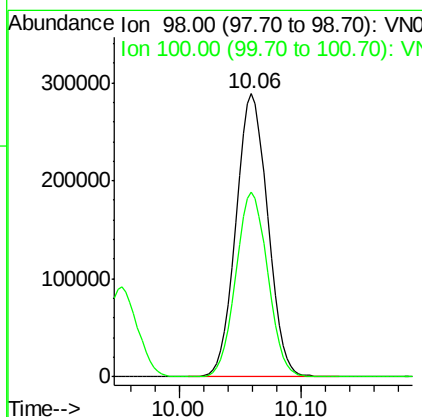
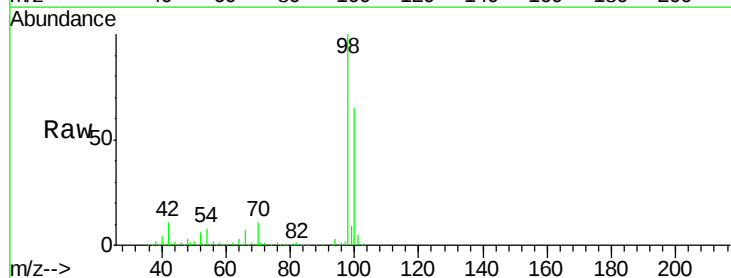
Manual Integrations
APPROVED

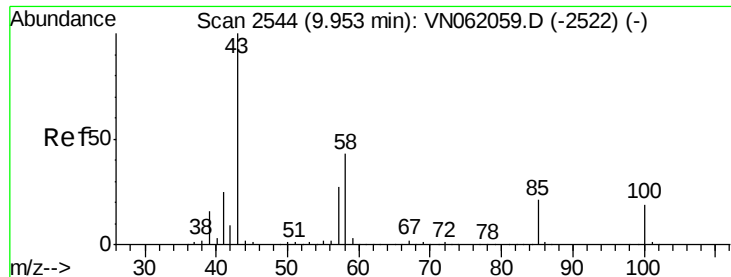
MMDadoda
6/29/2020 12:35:57 PM



#50
Toluene-d8
Concen: 48.659 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 272.204 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 43 Resp: 901310

Ion Ratio Lower Upper

43 100

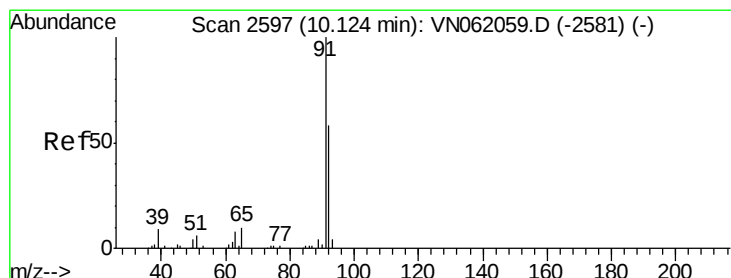
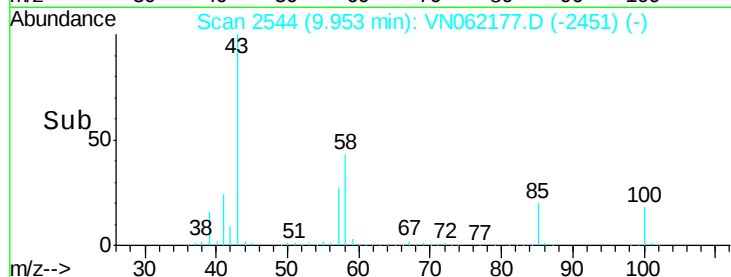
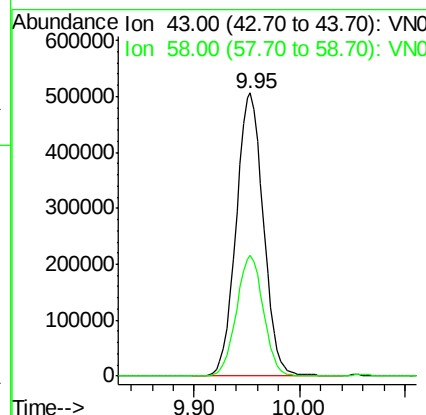
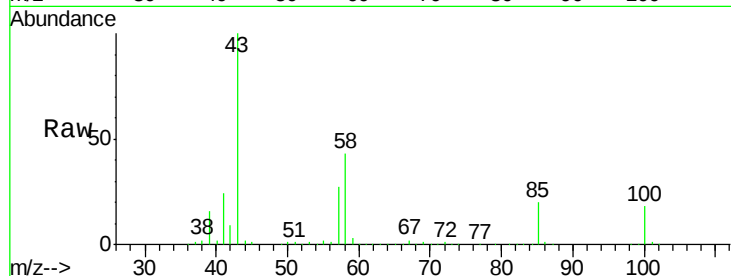
58 42.3 34.2 51.2

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:57 PM



#52

Toluene

Concen: 50.106 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062177.D

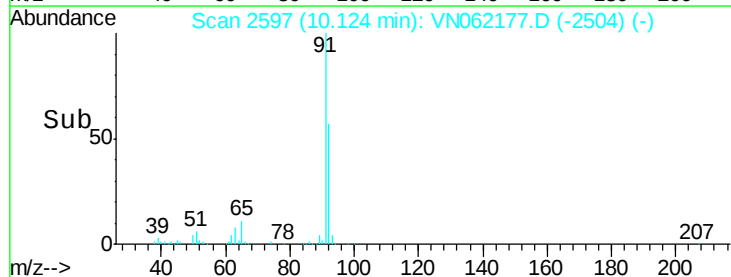
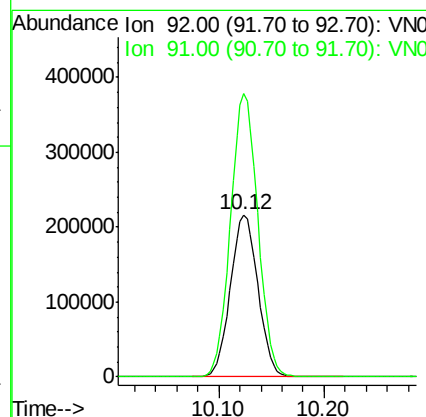
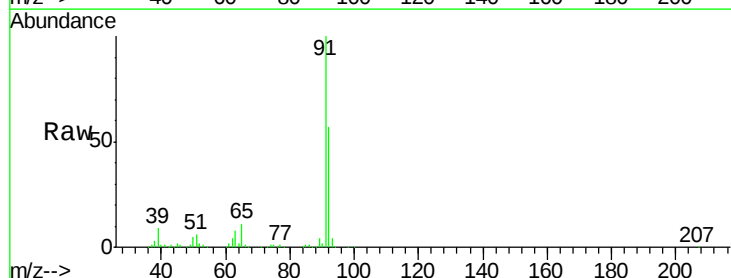
Acq: 27 Jun 2020 7:05

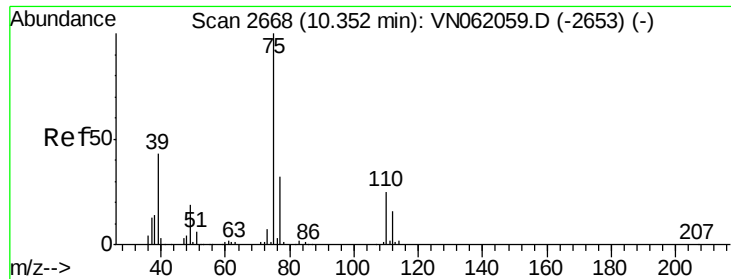
Tgt Ion: 92 Resp: 391221

Ion Ratio Lower Upper

92 100

91 173.6 137.4 206.0





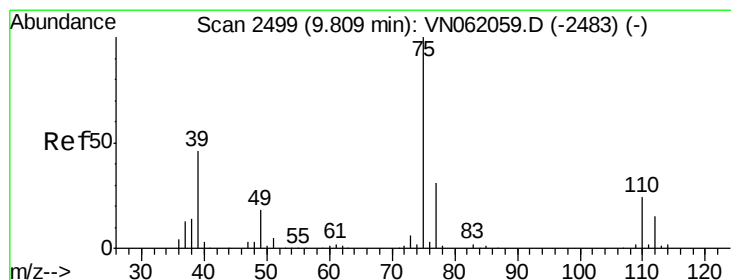
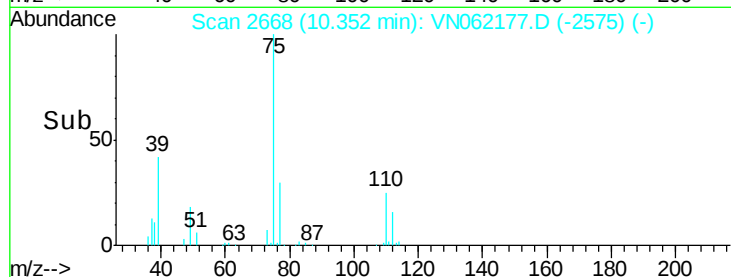
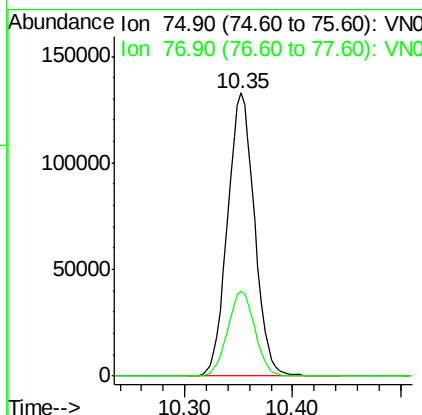
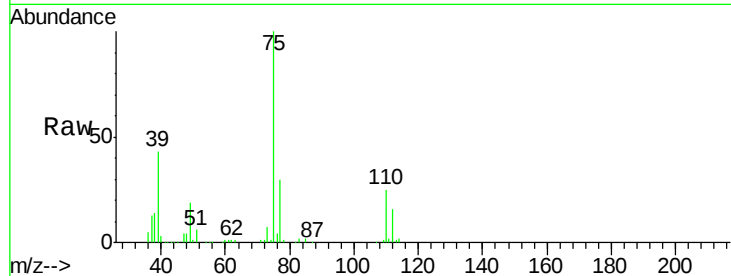
#53
t-1,3-Dichloropropene
Concen: 48.644 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.5	38.3

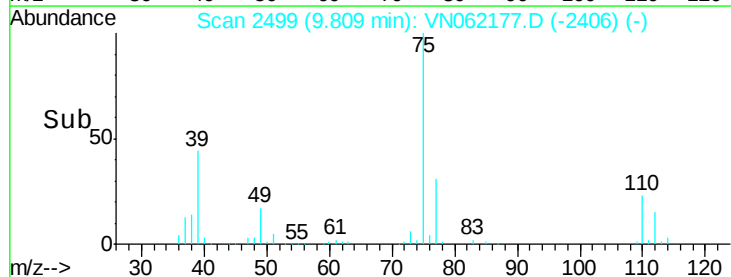
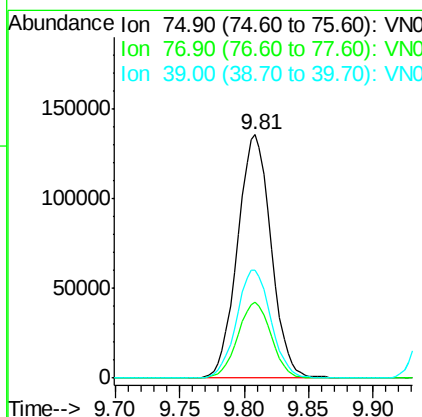
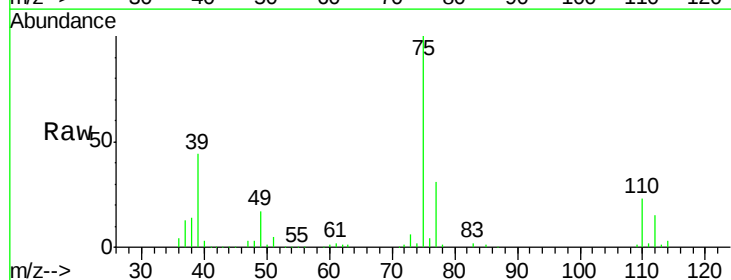
Manual Integrations
APPROVED

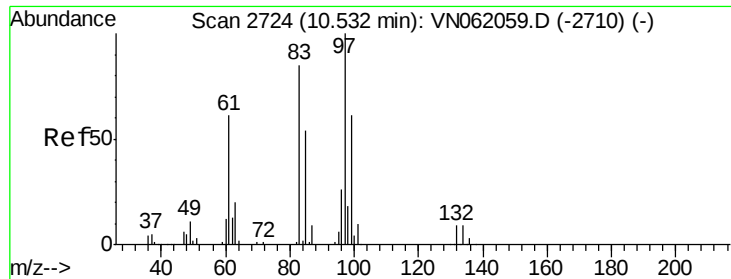
MMDadoda
6/29/2020 12:35:57 PM



#54
cis-1,3-Dichloropropene
Concen: 48.676 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6
39	44.5	36.9	55.3





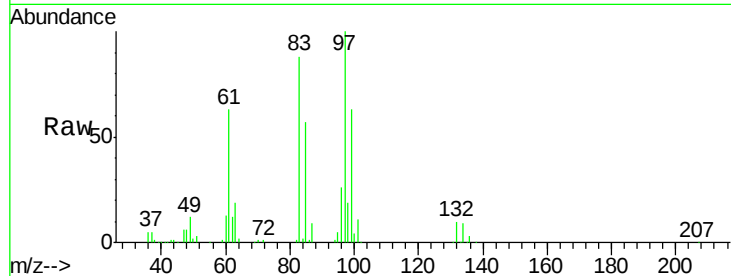
#55
 1,1,2-Trichloroethane
 Concen: 50.211 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

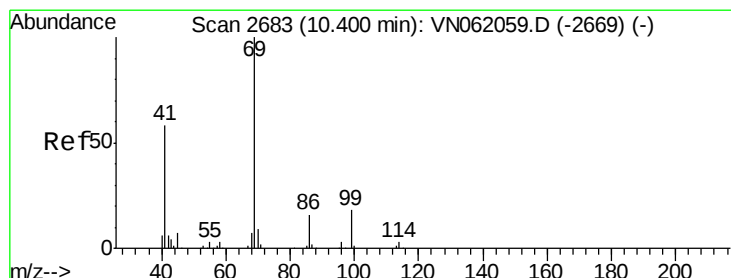
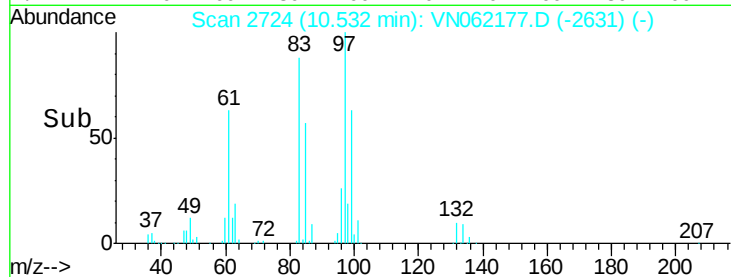
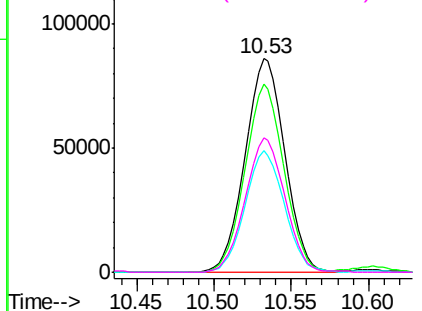
Tot Ion:	97	Resp:	154109
Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.2	102.2
85	56.8	43.2	64.8
99	62.7	48.5	72.7

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:57 PM

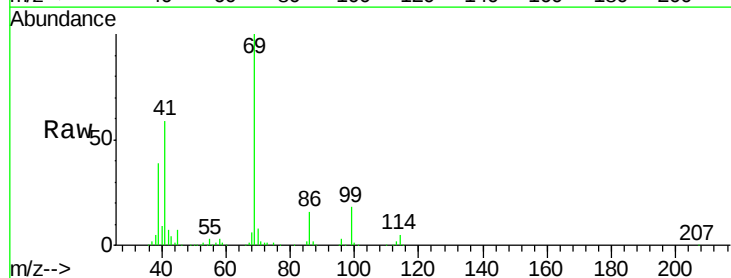


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

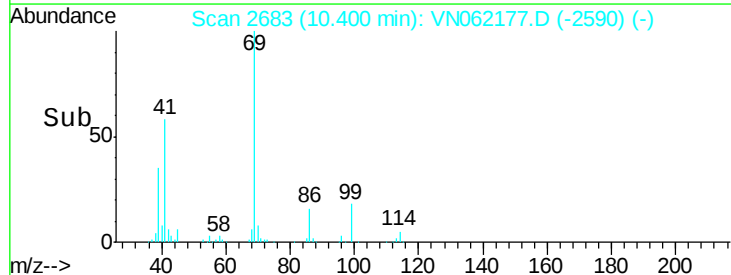
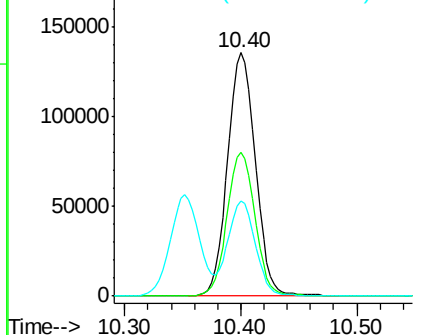


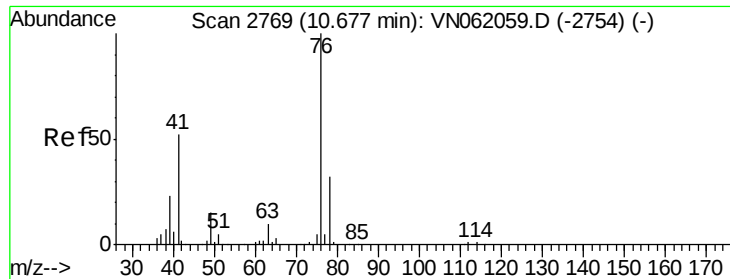
#56
 Ethyl methacrylate
 Concen: 55.278 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion:	69	Resp:	226419
Ion	Ratio	Lower	Upper
69	100		
41	58.5	46.6	70.0
39	38.4	31.0	46.4



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





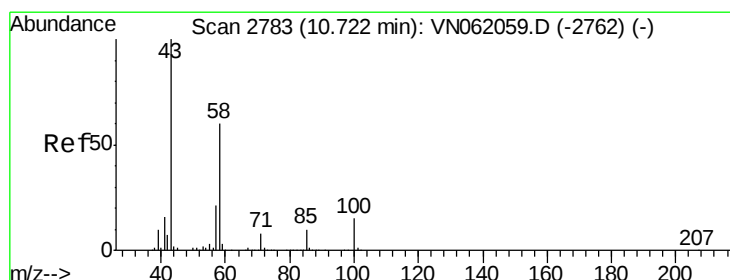
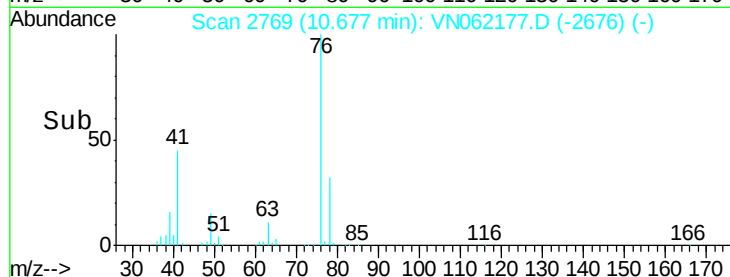
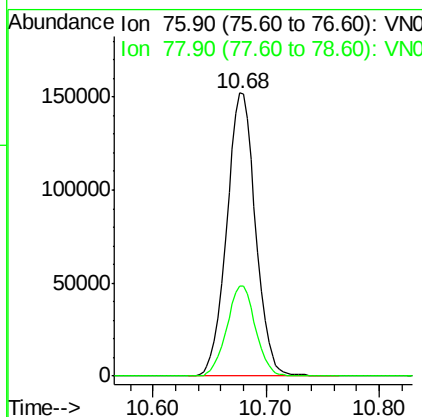
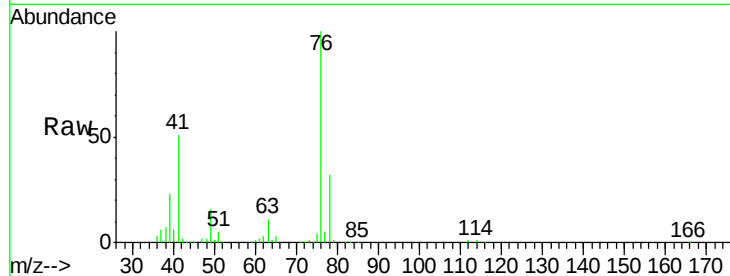
#57
 1,3-Dichloropropane
 Concen: 50.936 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

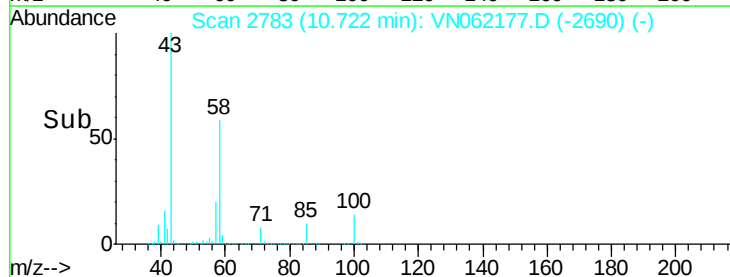
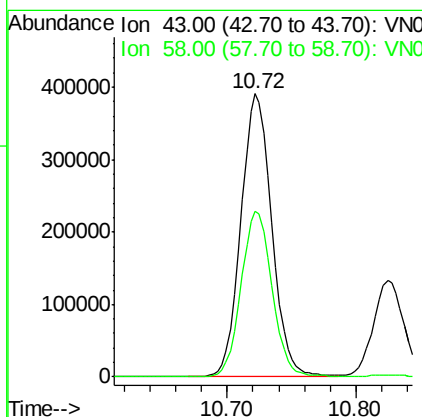
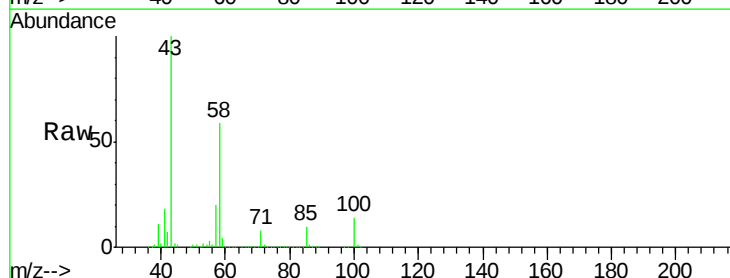
Manual Integrations
 APPROVED

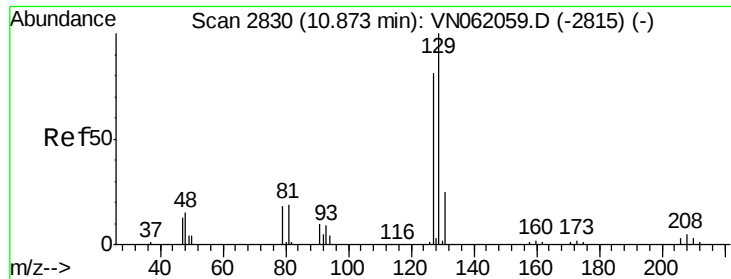
MMDadoda
 6/29/2020 12:35:57 PM



#59
 2-Hexanone
 Concen: 271.461 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.9	29.5	88.5





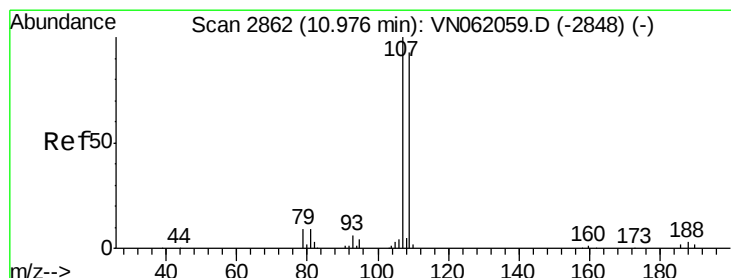
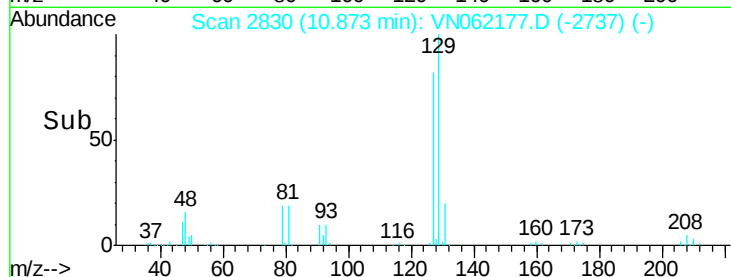
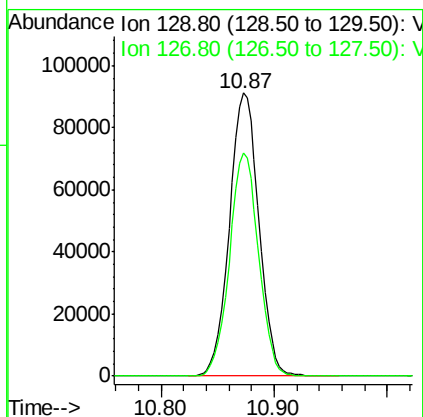
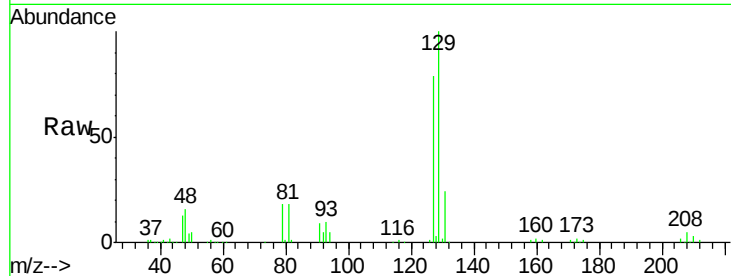
#60
Dibromochloromethane
Concen: 50.852 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.5	118.5

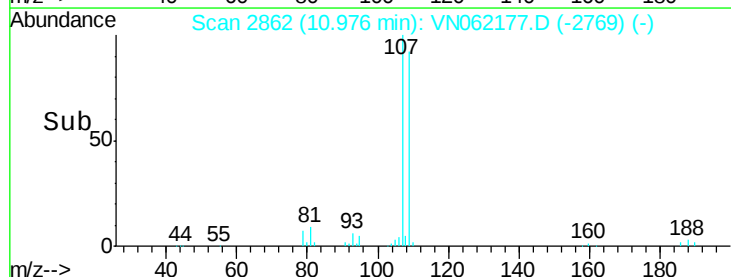
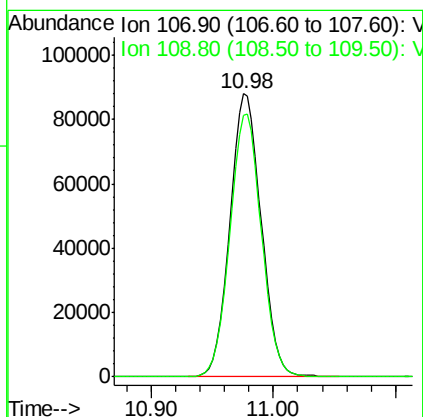
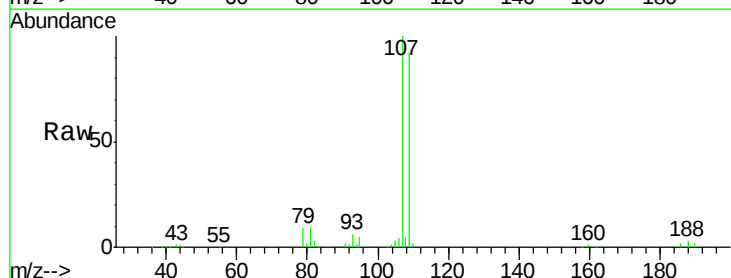
Manual Integrations
APPROVED

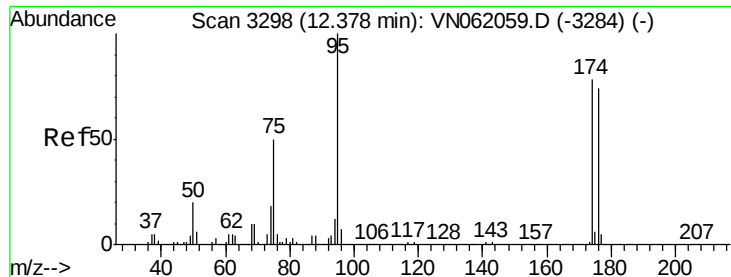
MMDadoda
6/29/2020 12:35:57 PM



#61
1,2-Dibromoethane
Concen: 49.657 ug/l
RT: 10.98 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.6





#62

4-Bromofluorobenzene

Concen: 48.861 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

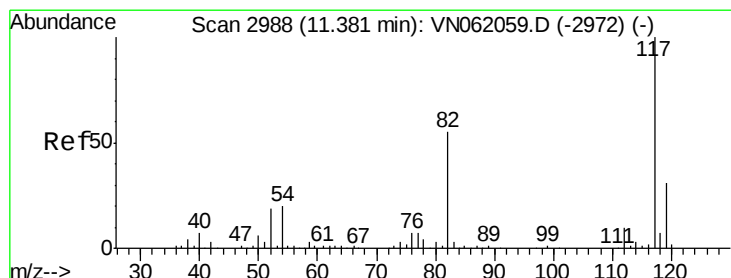
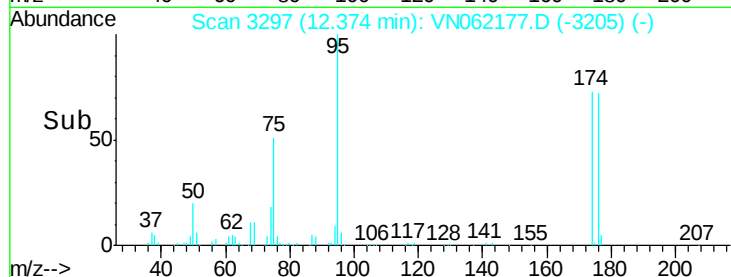
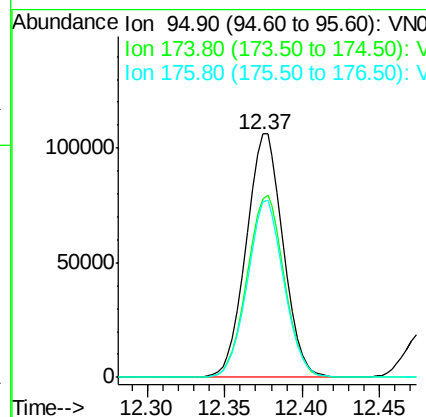
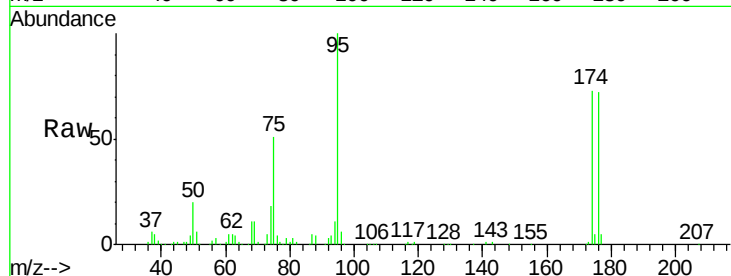
ClientSampleId :

56BR-20200622MS

Tot Ion:	95	Resp:	176829
Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	154.8
176	71.8	0.0	147.4

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

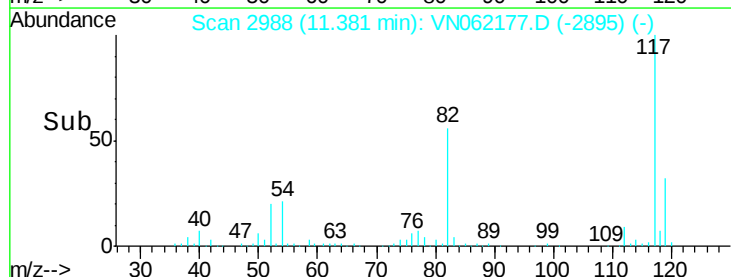
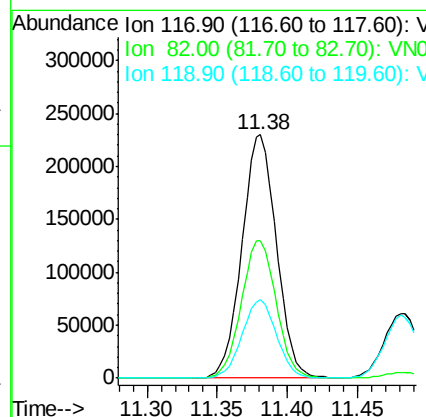
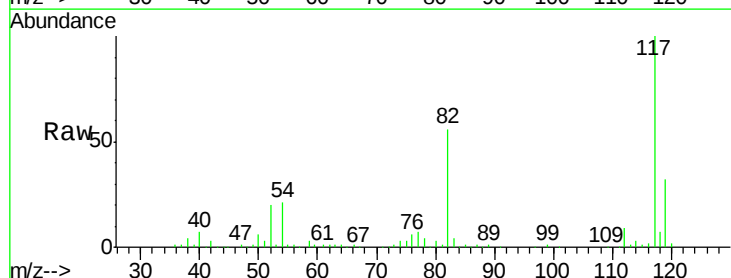
RT: 11.38 min Scan# 2988

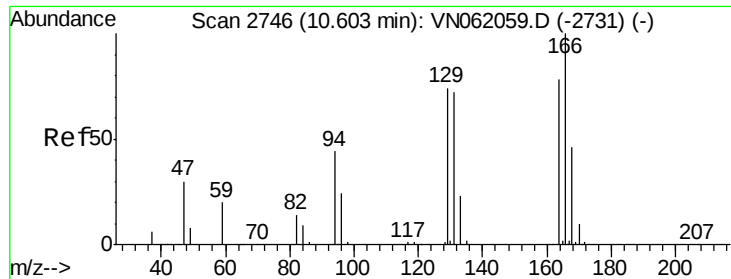
Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion:	117	Resp:	394329
Ion	Ratio	Lower	Upper
117	100		
82	56.3	43.8	65.8
119	32.0	25.2	37.8





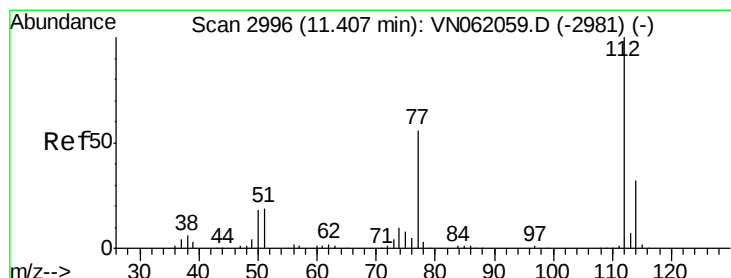
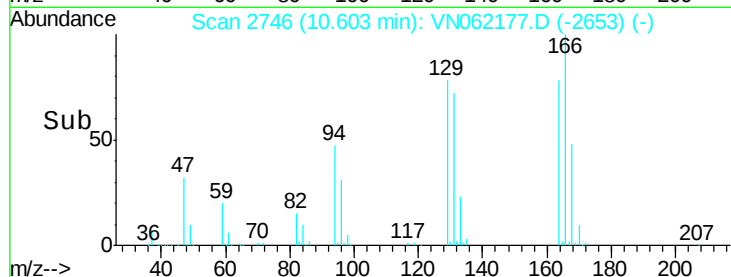
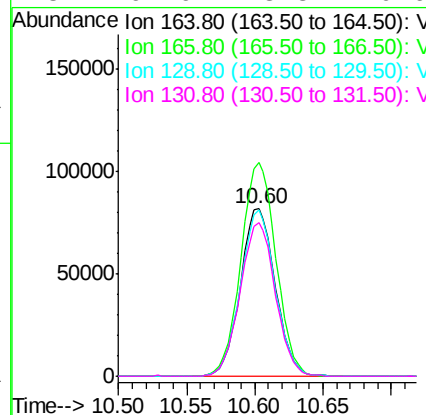
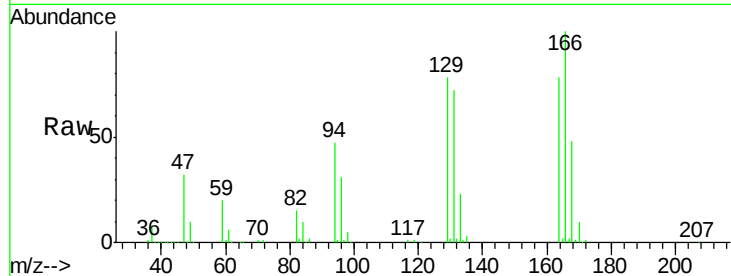
#64
Tetrachloroethene
Concen: 53.740 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	164	166	129	131
Ratio	100	127.4	99.1	91.9
Lower		102.9	75.8	73.8
Upper		154.3	113.8	110.6

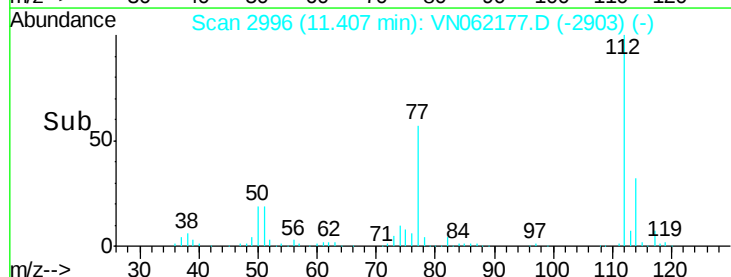
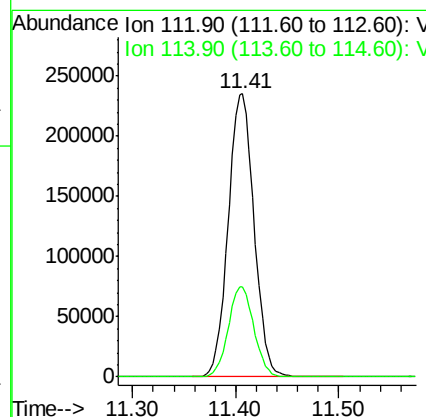
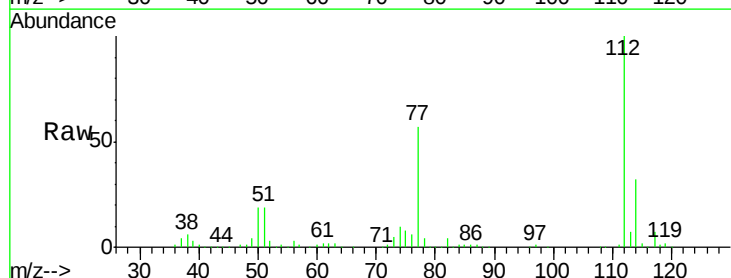
Manual Integrations
APPROVED

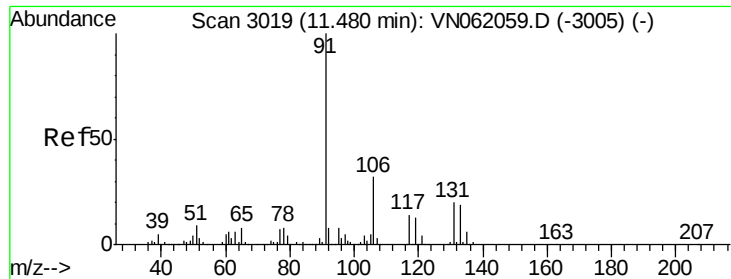
MMDadoda
6/29/2020 12:35:57 PM



#65
Chlorobenzene
Concen: 47.427 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	112	114
Ratio	100	31.8
Lower		25.8
Upper		38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 48.256 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

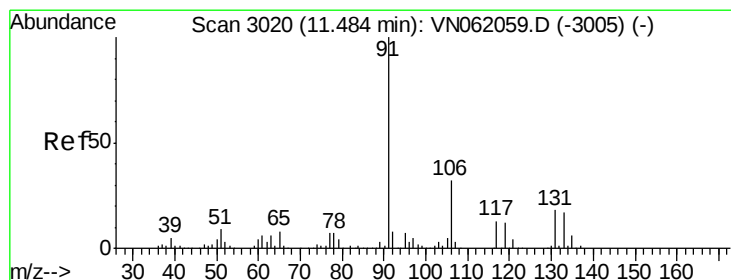
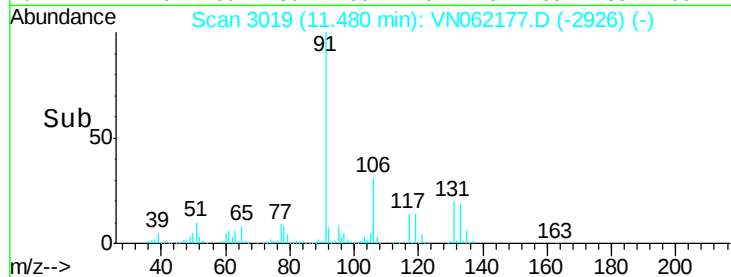
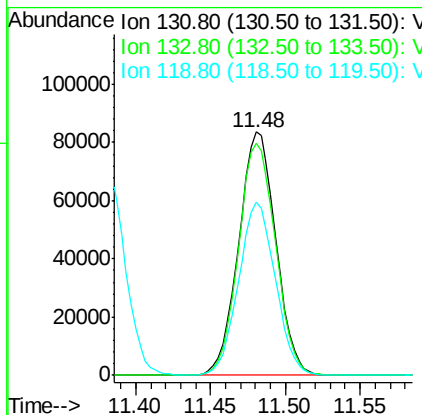
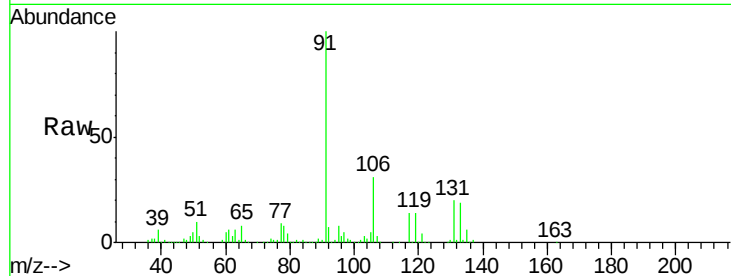
ClientSampleId :

56BR-20200622MS

Tot Ion:	131	Resp:	144498
Ion Ratio	Lower	Upper	
131	100		
133	95.3	47.6	142.9
119	70.6	34.4	103.3

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#67

Ethyl Benzene

Concen: 49.715 ug/l

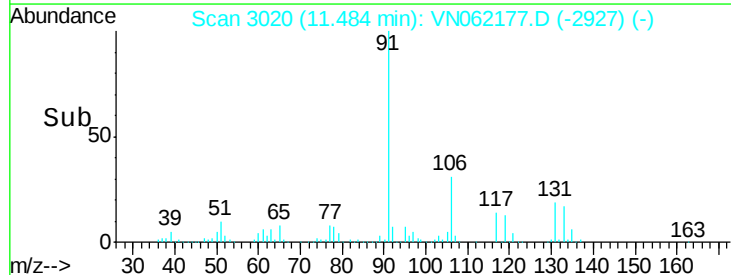
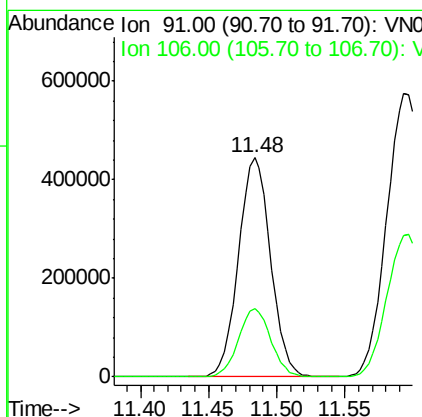
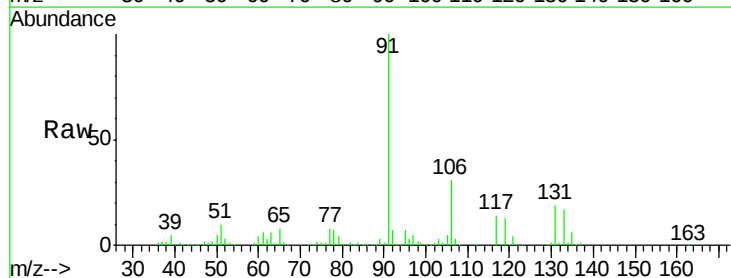
RT: 11.48 min Scan# 3020

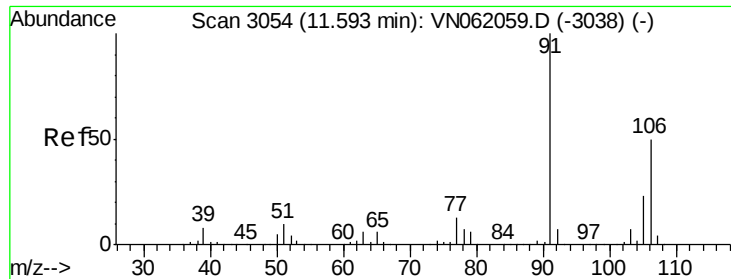
Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion:	91	Resp:	727070
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.3	37.9





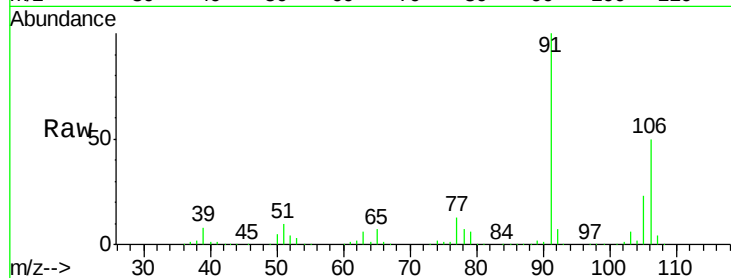
#68
m/p-Xylenes
Concen: 97.936 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

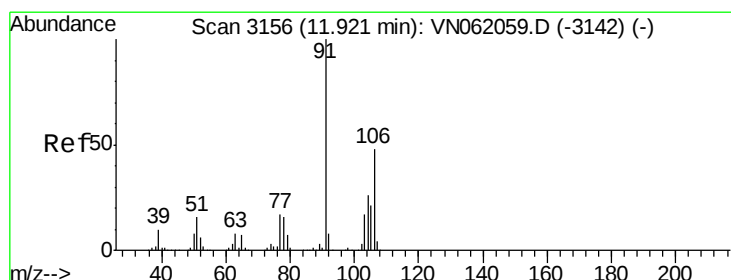
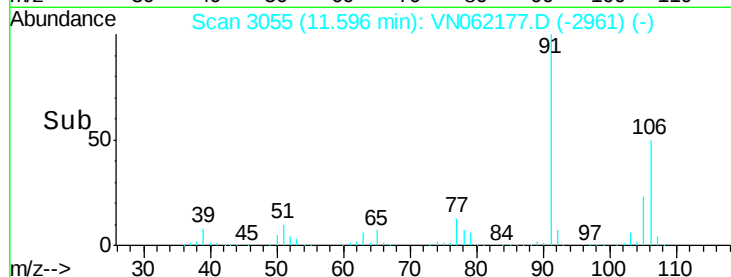
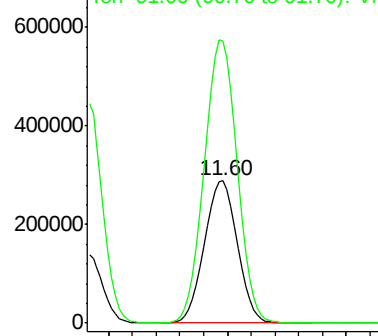
Tot Ion:106 Resp: 553992
Ion Ratio Lower Upper
106 100
91 199.1 157.8 236.8

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM

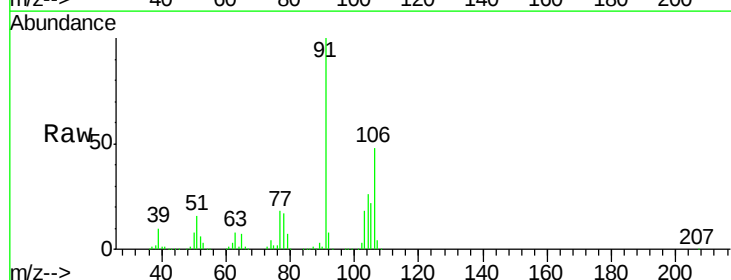


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

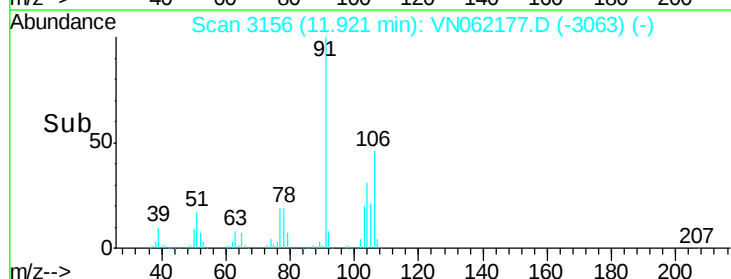
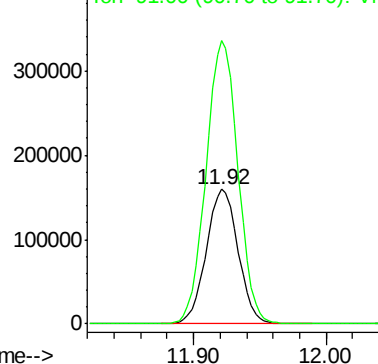


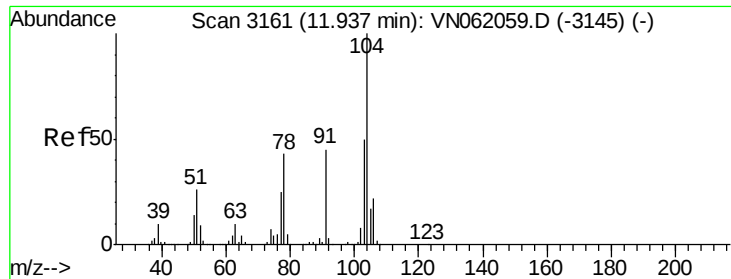
#69
o-Xylene
Concen: 49.782 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion:106 Resp: 265694
Ion Ratio Lower Upper
106 100
91 210.8 104.0 311.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





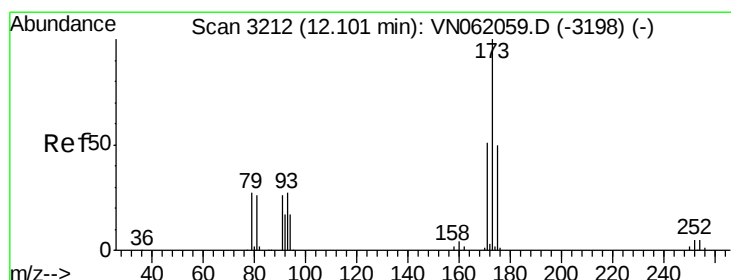
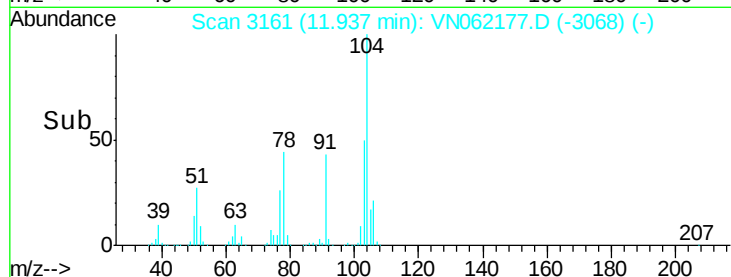
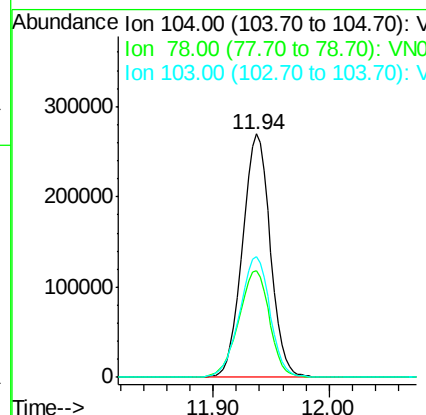
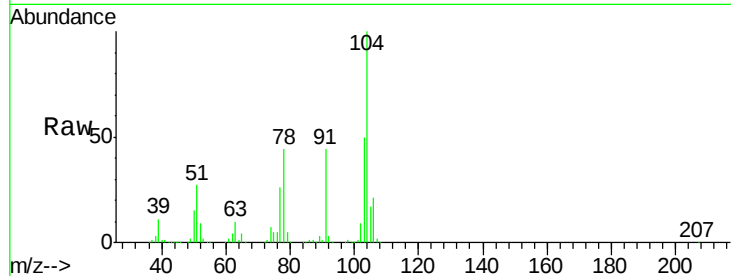
#70
Stvrene
Concen: 50.443 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	37.7	56.5
103	54.3	43.0	64.6

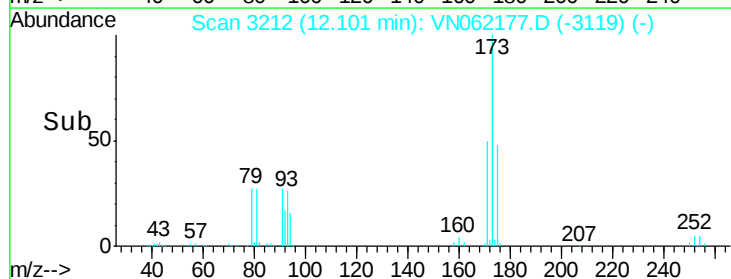
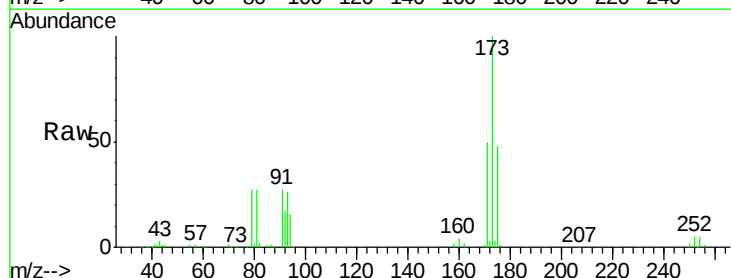
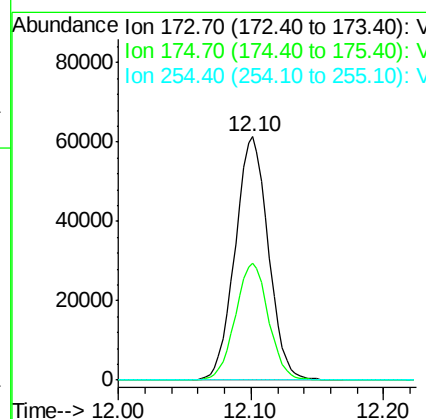
Manual Integrations
APPROVED

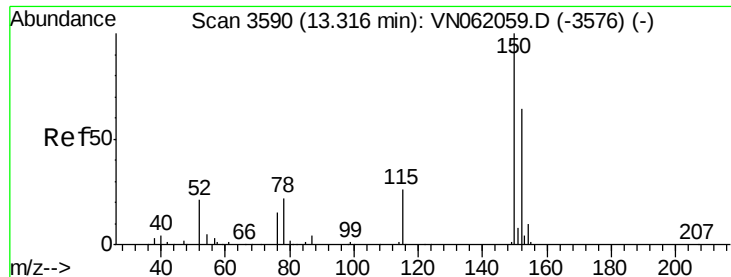
MMDadoda
6/29/2020 12:35:57 PM



#71
Bromoform
Concen: 50.080 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion:152 Resp: 178852

Ion Ratio Lower Upper

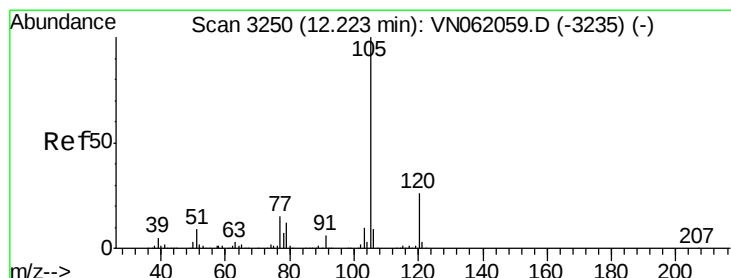
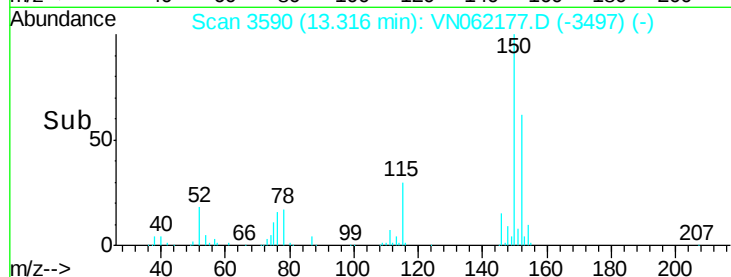
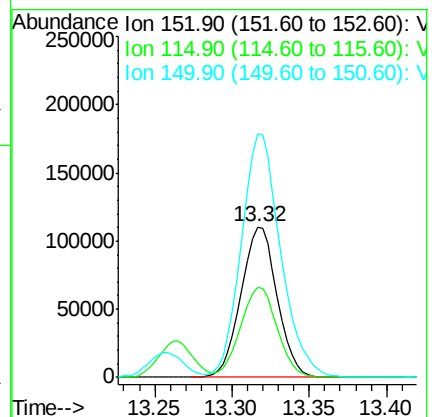
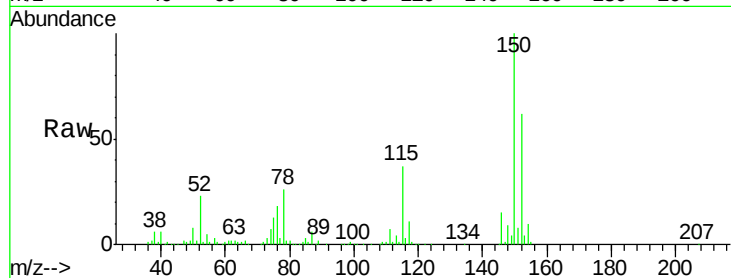
152 100

115 60.7 29.5 88.5

150 176.0 0.0 351.4

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#73

Isopropylbenzene

Concen: 50.326 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062177.D

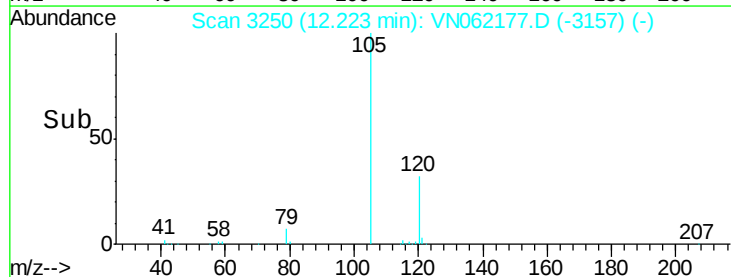
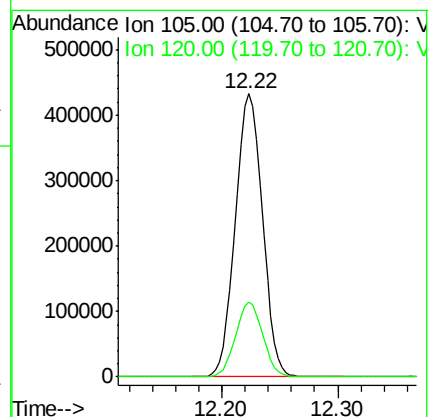
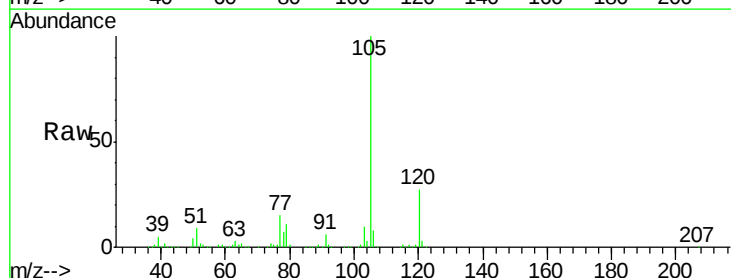
Acq: 27 Jun 2020 7:05

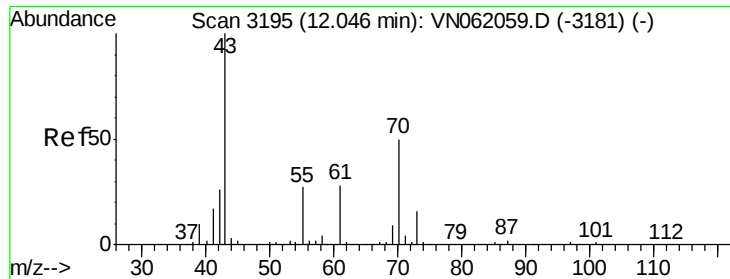
Tgt Ion:105 Resp: 696748

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6





#74

N-amvl acetate

Concen: 43.948 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 43 Resp: 221766

Ion Ratio Lower Upper

43 100

70 48.4 39.4 59.2

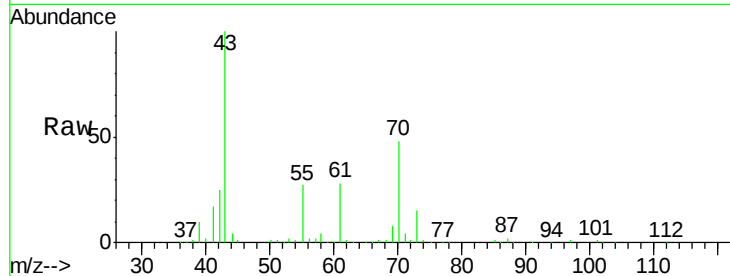
55 28.3 21.7 32.5

61 27.1 21.3 31.9

Manual Integrations
APPROVED

MMDadoda

6/29/2020 12:35:57 PM

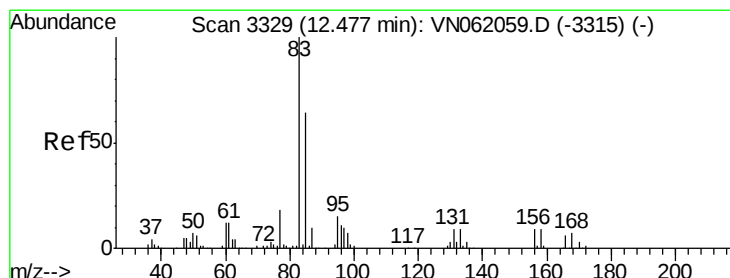
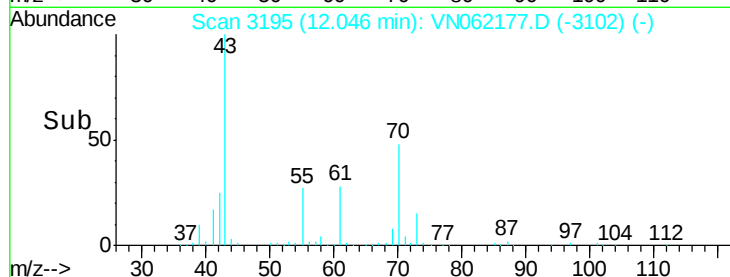
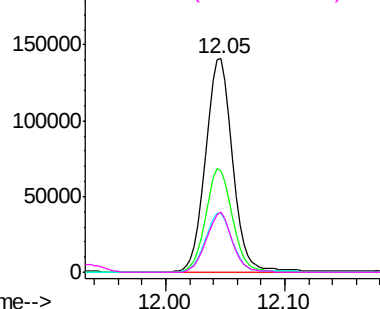


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.514 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

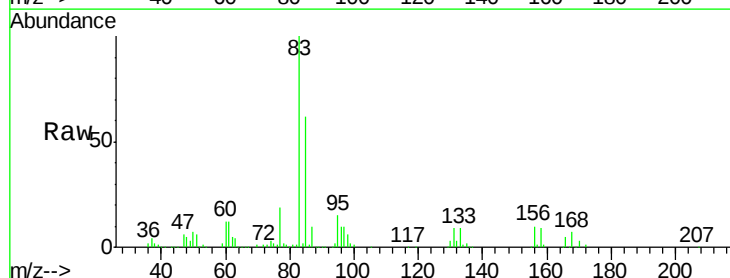
Tgt Ion: 83 Resp: 228117

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

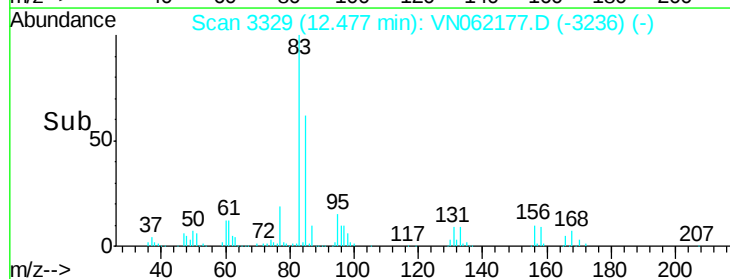
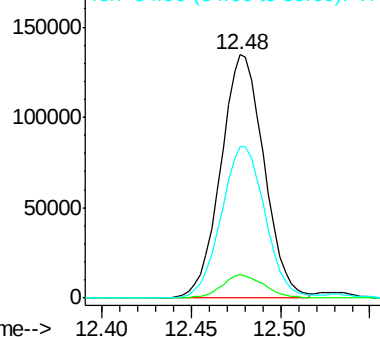
85 63.4 32.4 97.0

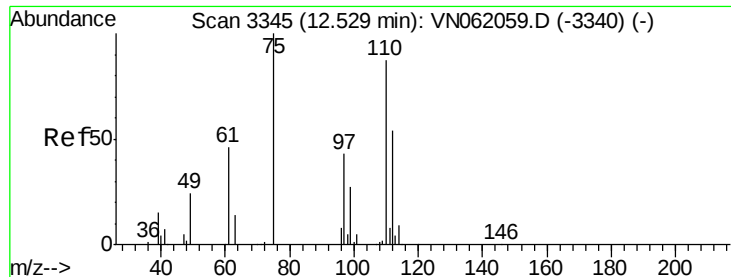


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





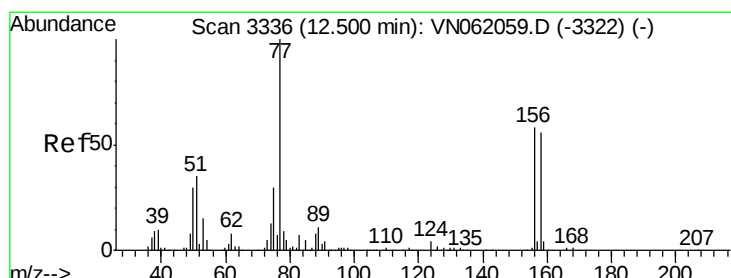
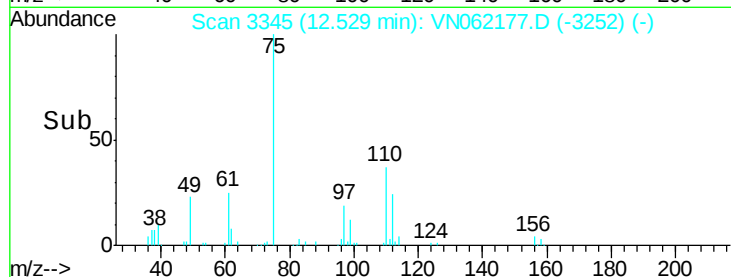
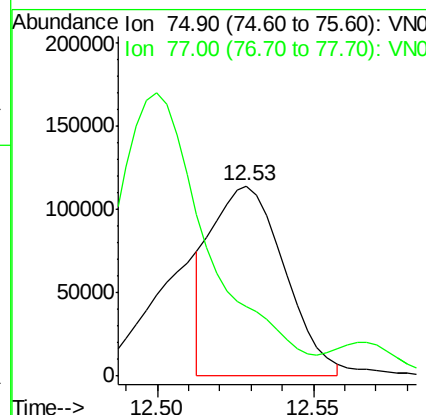
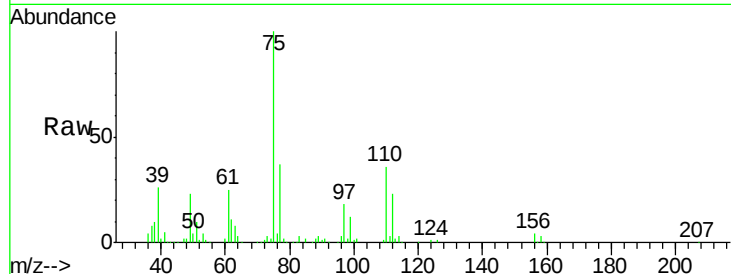
#76
1,2,3-Trichloropropane
Concen: 43.690 ug/l m
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion: 75 Resp: 183947
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

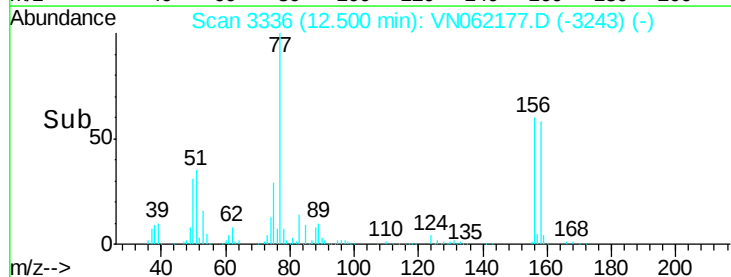
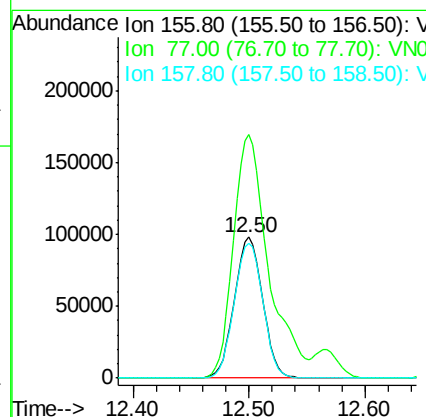
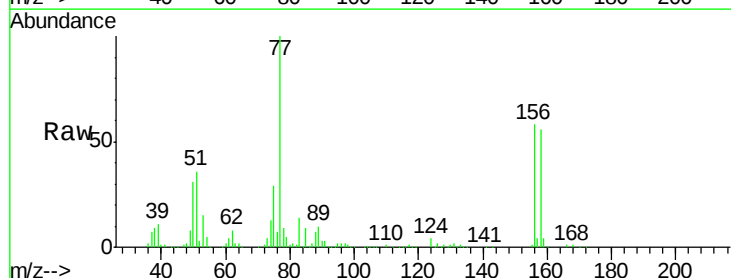
Manual Integrations
APPROVED

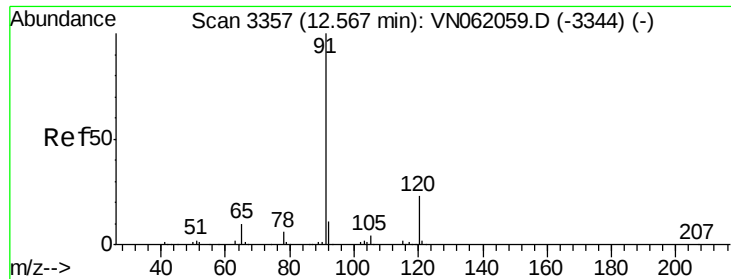
MMDadoda
6/29/2020 12:35:57 PM



#77
Bromobenzene
Concen: 47.957 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion: 156 Resp: 164835
Ion Ratio Lower Upper
156 100
77 214.5 104.6 313.8
158 97.1 48.0 144.0





#78

n-propylbenzene

Concen: 49.945 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 91 Resp: 790943

Ion Ratio Lower Upper

91 100

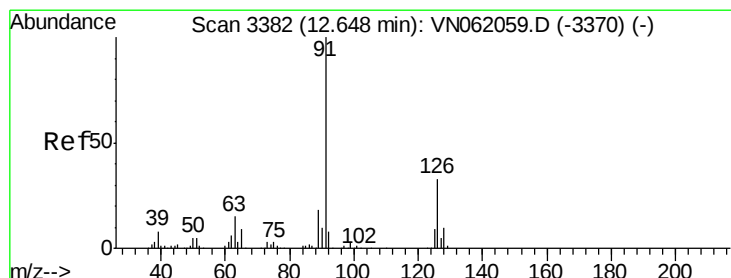
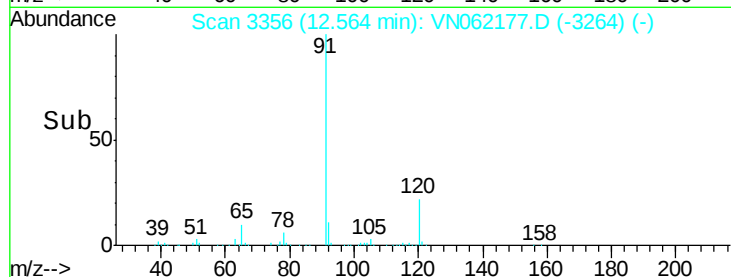
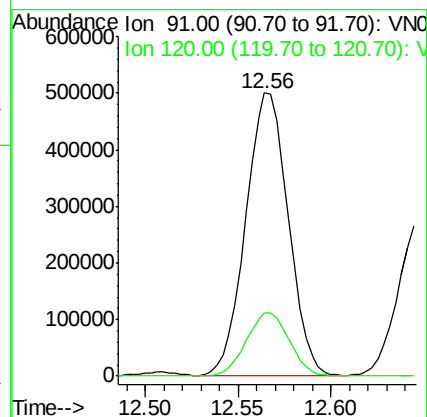
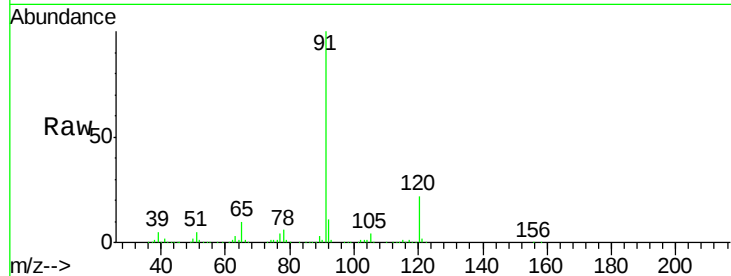
120 22.7 11.4 34.1

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:57 PM



#79

2-Chlorotoluene

Concen: 48.911 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062177.D

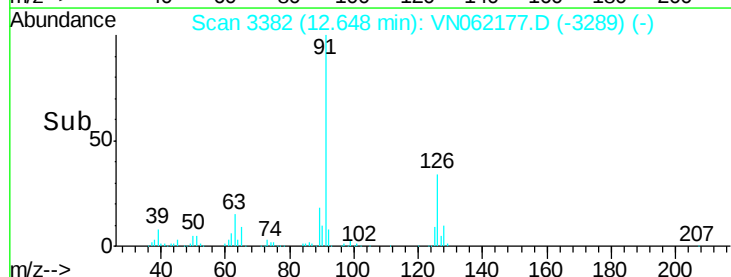
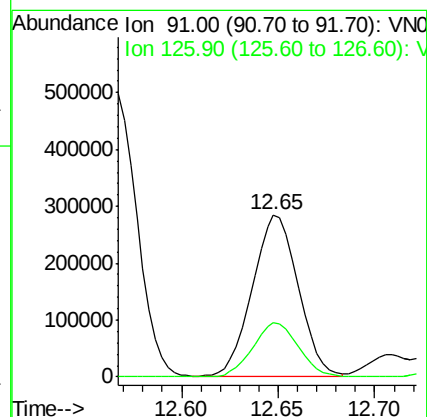
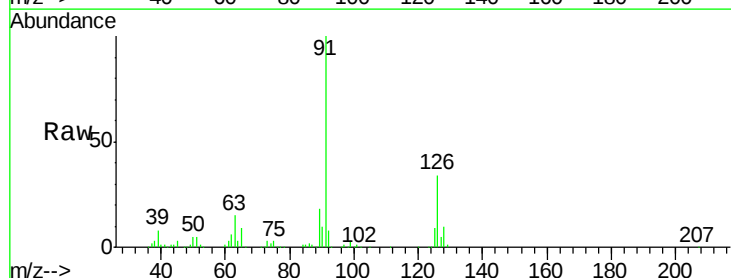
Acq: 27 Jun 2020 7:05

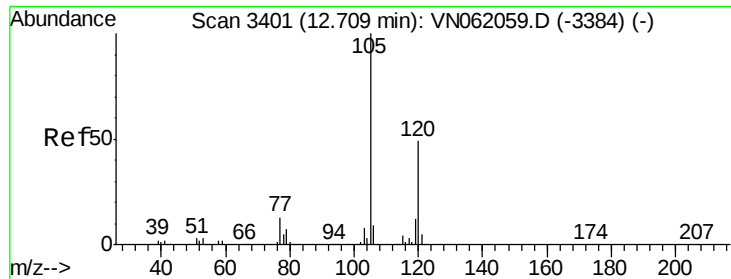
Tgt Ion: 91 Resp: 468263

Ion Ratio Lower Upper

91 100

126 33.3 16.9 50.7





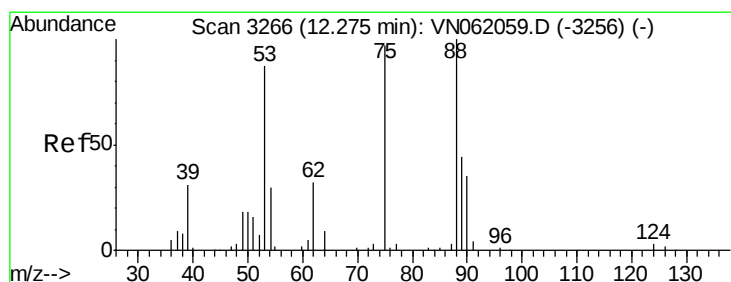
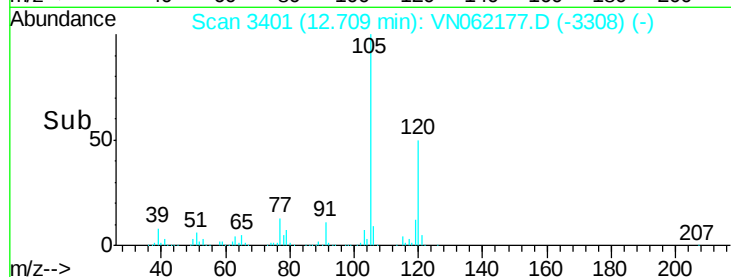
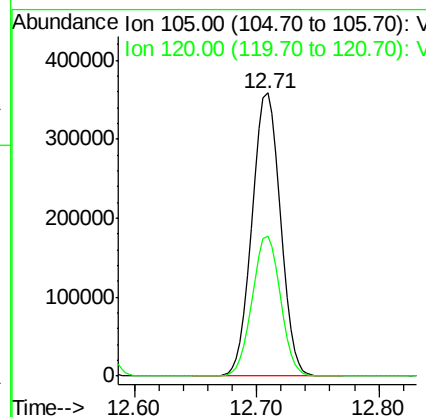
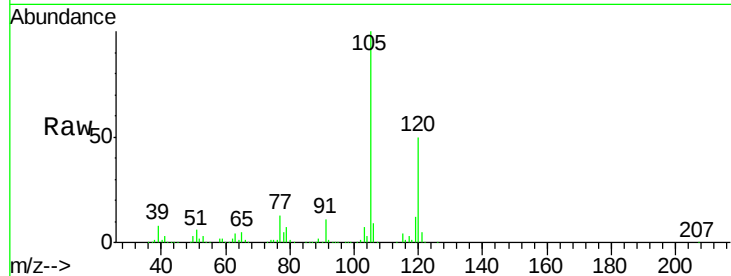
#80
 1,3,5-Trimethylbenzene
 Concen: 50.850 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.6	74.0

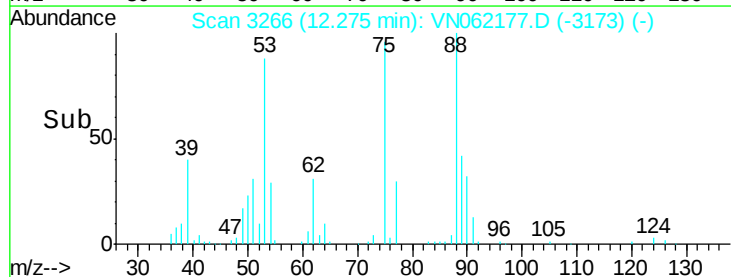
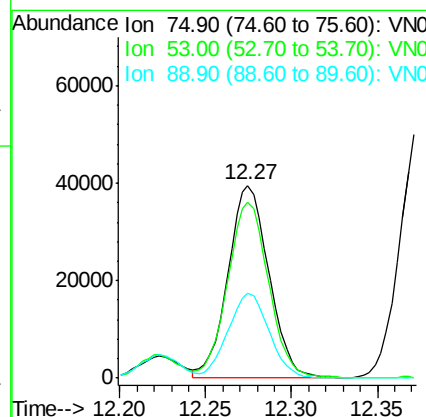
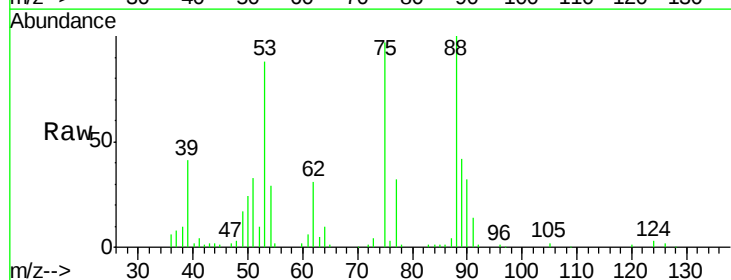
Manual Integrations
 APPROVED

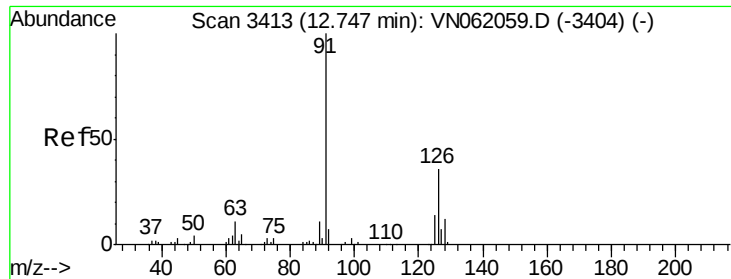
MMDadoda
 6/29/2020 12:35:57 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.676 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. 0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.9	72.0	108.0
89	44.2	36.9	55.3





#82

4-Chlorotoluene

Concen: 49.423 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

ClientSampleId :

56BR-20200622MS

Tot Ion: 91 Resp: 489298

Ion Ratio Lower Upper

91 100

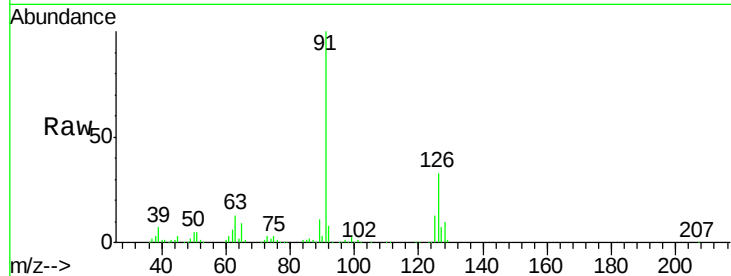
126 32.4 16.7 50.1

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:35:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062177.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062177.D (-3320) (-)

12.75

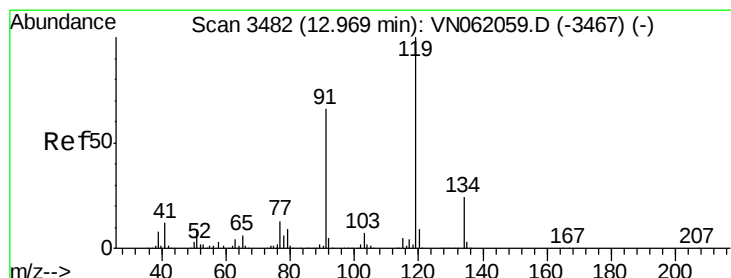
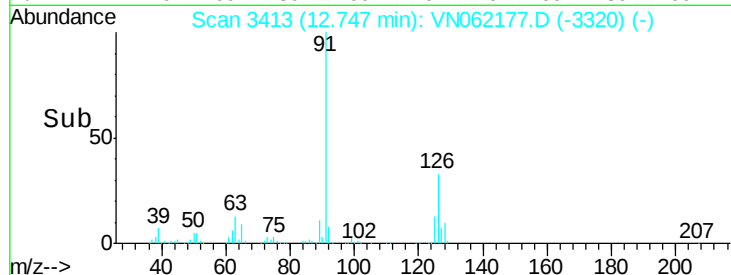
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 49.394 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

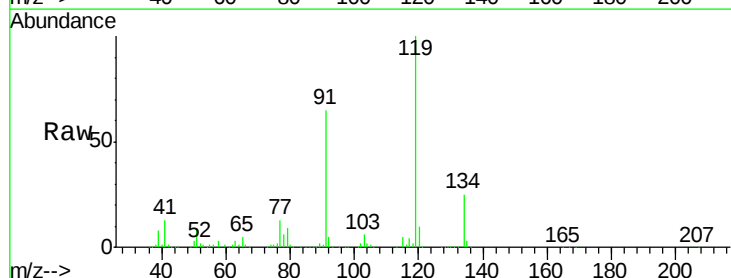
Tgt Ion: 119 Resp: 474417

Ion Ratio Lower Upper

119 100

91 65.6 31.7 95.1

134 24.9 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): VN062177.D (-3389) (-)

Ion 91.00 (90.70 to 91.70): VN062177.D (-3389) (-)

Ion 134.00 (133.70 to 134.70): VN062177.D (-3389) (-)

12.97

400000

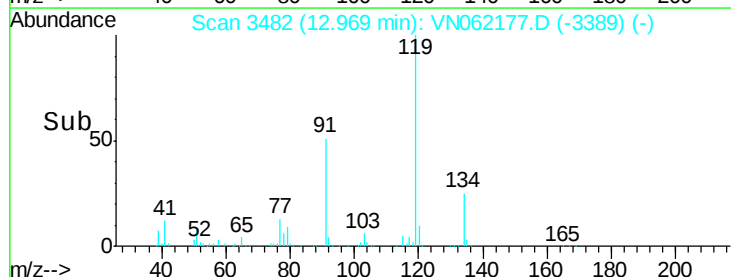
300000

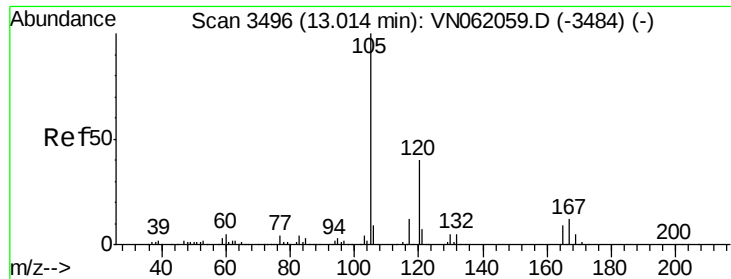
200000

100000

0

Time-->





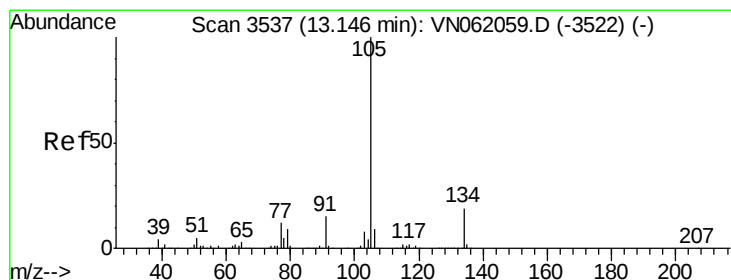
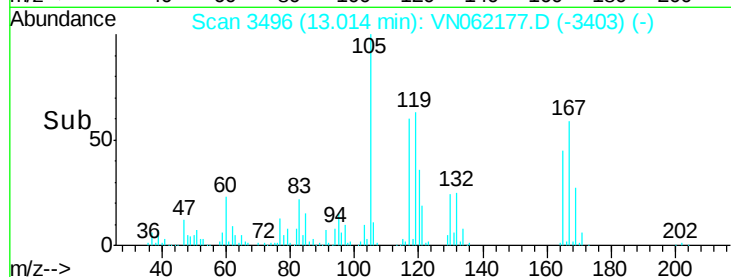
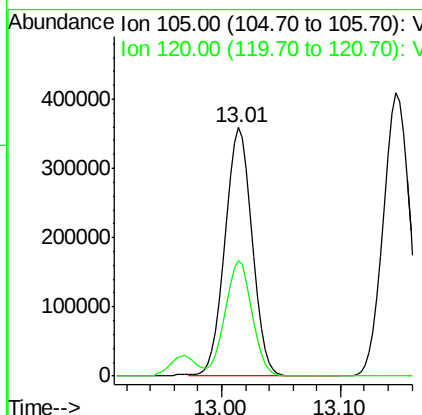
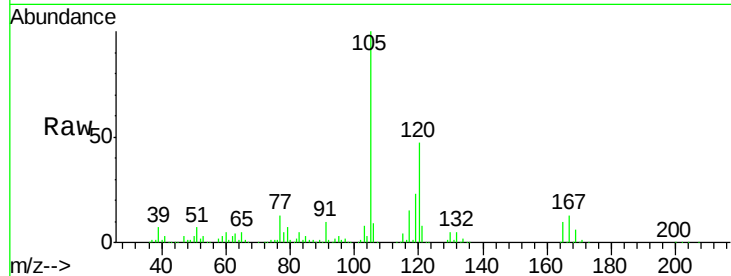
#84
 1,2,4-Trimethylbenzene
 Concen: 50.458 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5

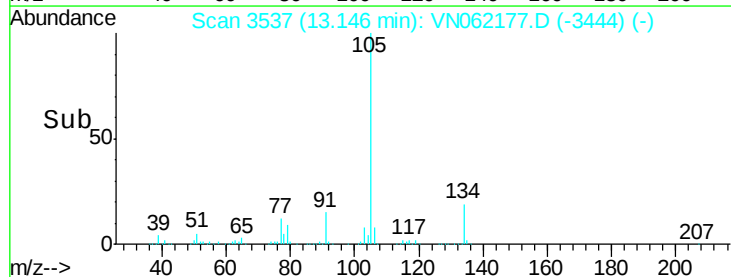
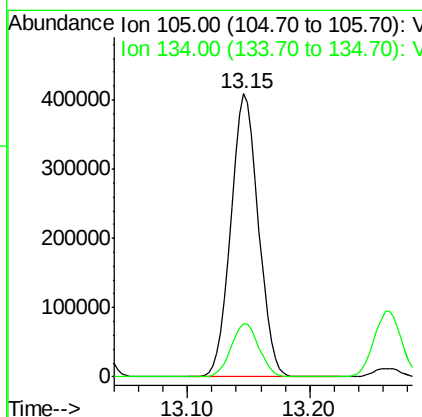
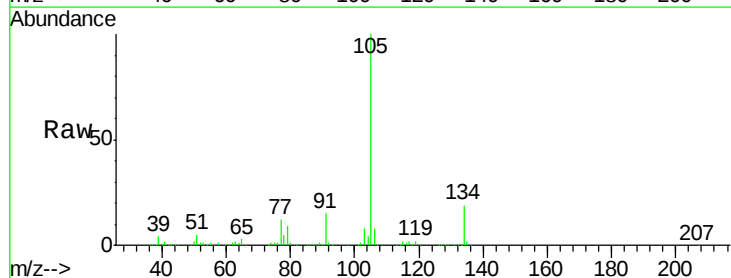
Manual Integrations
 APPROVED

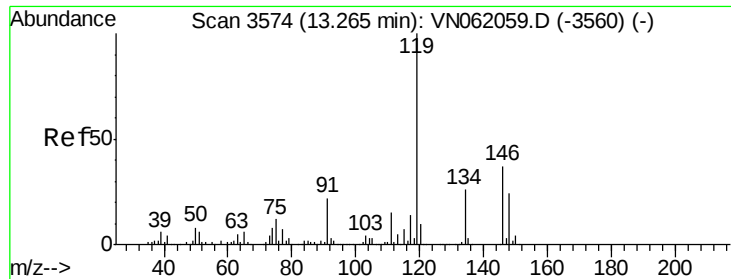
MMDadoda
 6/29/2020 12:35:57 PM



#85
 sec-Butylbenzene
 Concen: 50.667 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1





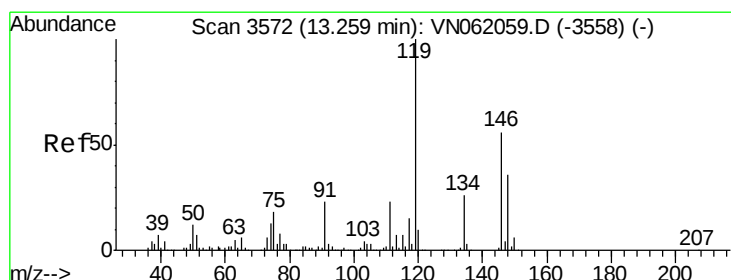
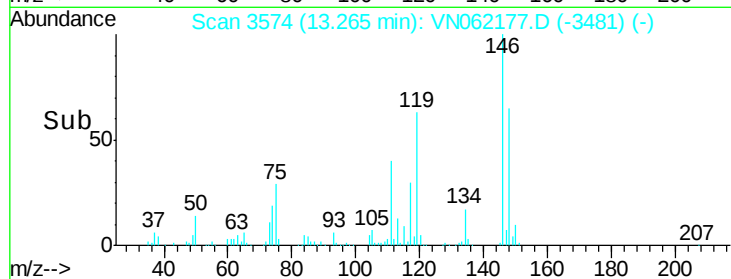
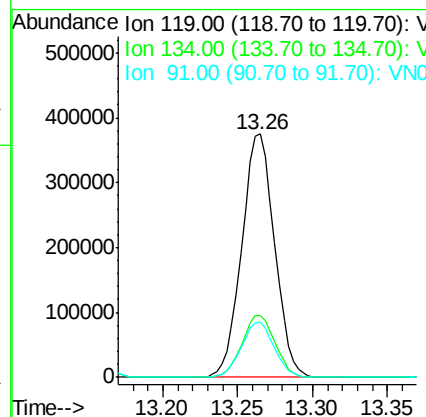
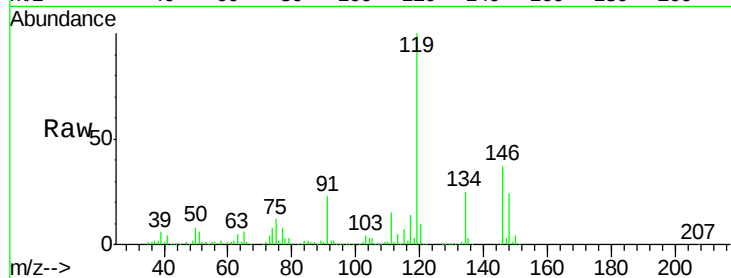
#86
p-Isopropyltoluene
Concen: 51.361 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	571098		
134	25.8		13.0	39.0
91	22.9		11.3	33.8

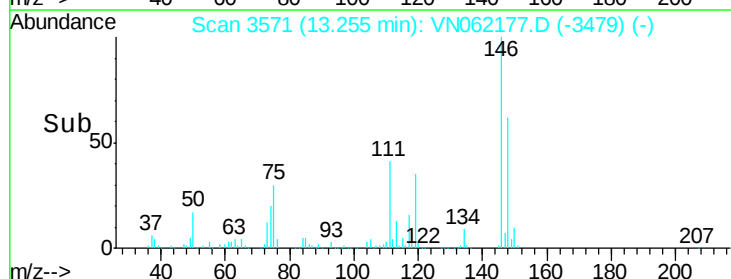
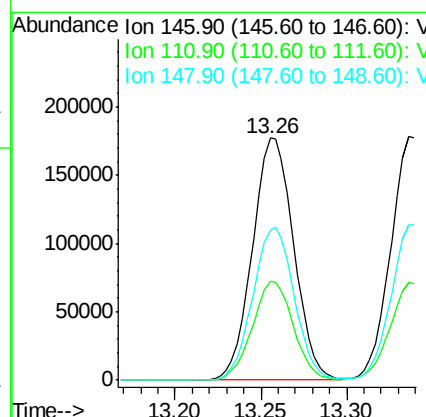
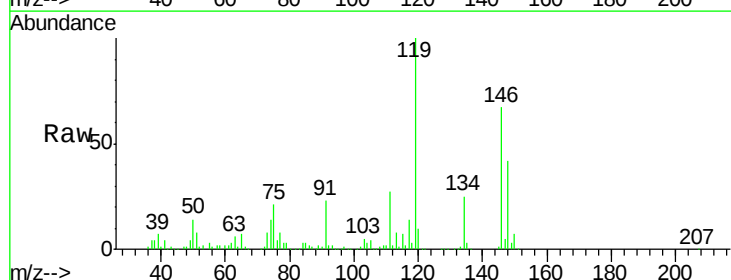
Manual Integrations
APPROVED

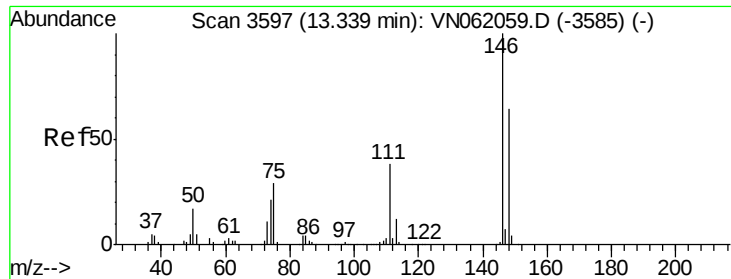
MMDadoda
6/29/2020 12:35:57 PM



#87
1,3-Dichlorobenzene
Concen: 48.802 ug/l
RT: 13.26 min Scan# 3571
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	294548		
111	40.3		20.3	61.0
148	63.0		31.8	95.3





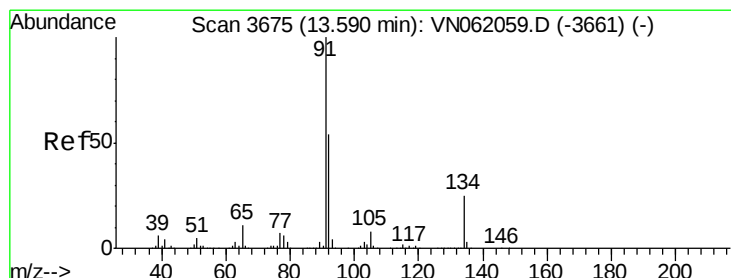
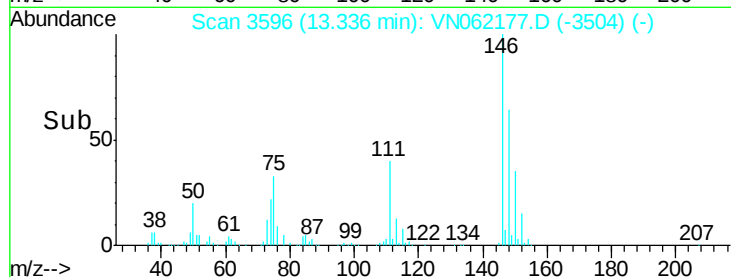
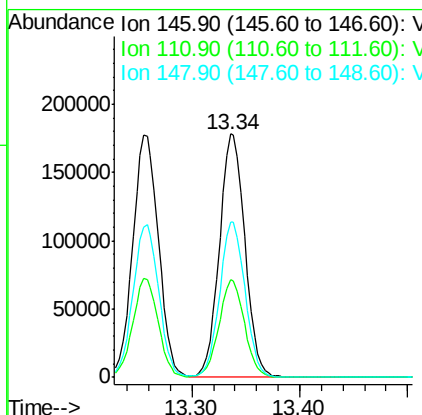
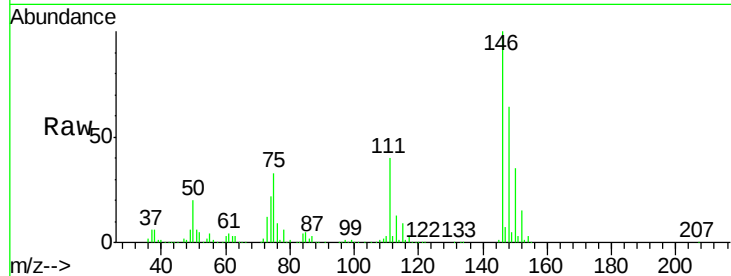
#88
 1,4-Dichlorobenzene
 Concen: 47.250 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293971		
111	39.6	19.9	59.6	
148	63.5	31.9	95.9	

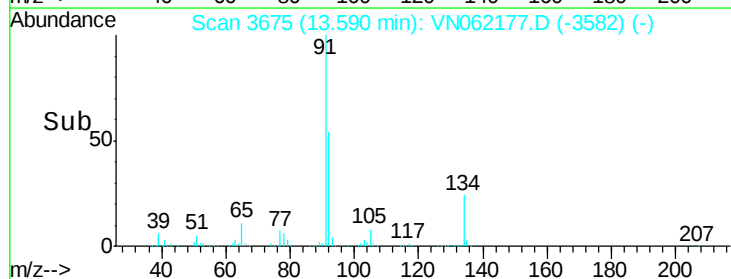
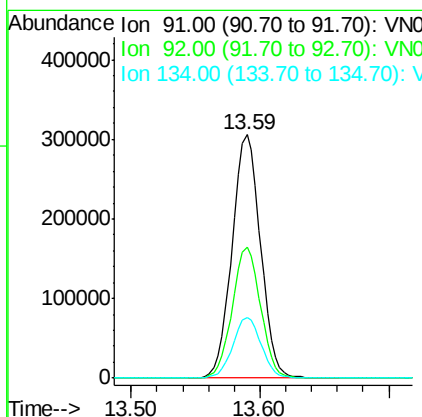
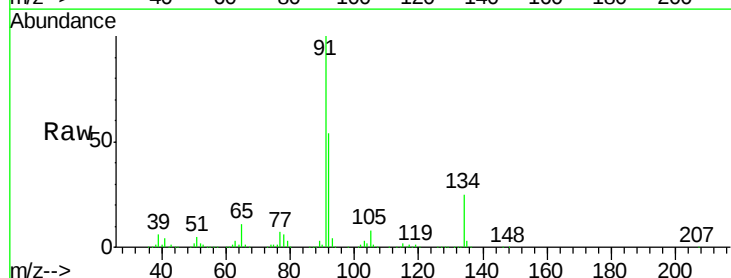
Manual Integrations
 APPROVED

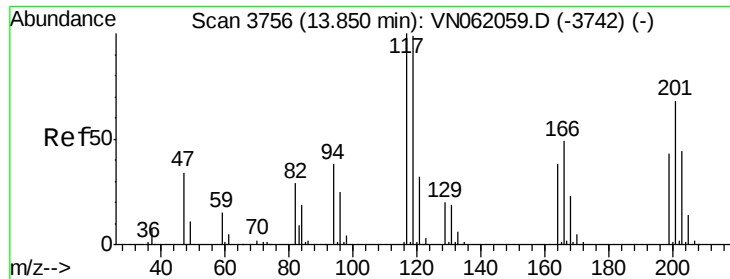
MMDadoda
 6/29/2020 12:35:57 PM



#89
 n-Butylbenzene
 Concen: 50.751 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	469163		
92	53.4	26.6	79.7	
134	24.9	12.3	36.9	





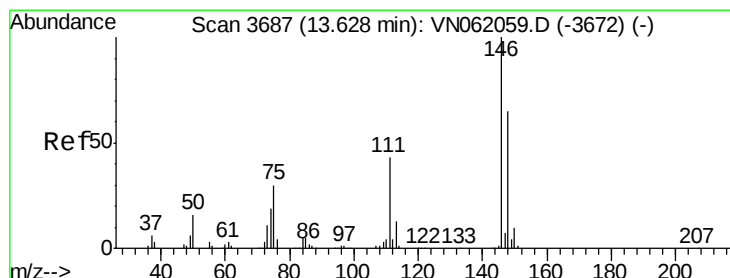
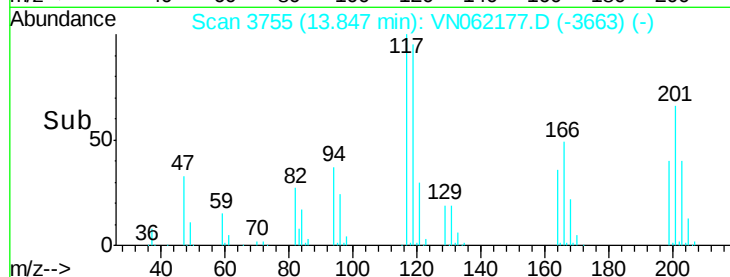
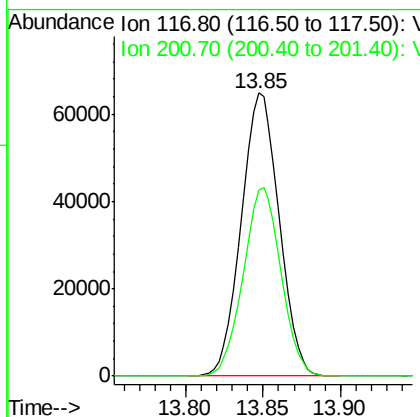
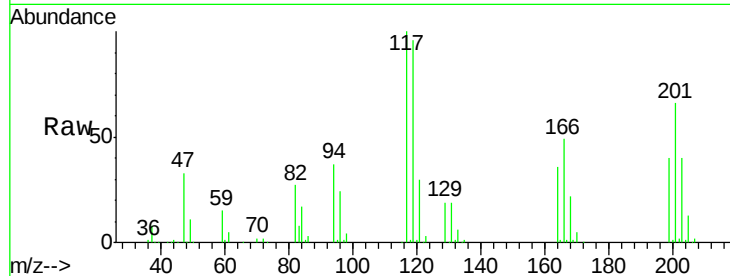
#90
Hexachloroethane
Concen: 50.649 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Instrument :
MSVOA_N
ClientSampleId :
56BR-20200622MS

Tot Ion:117 Resp: 110496
Ion Ratio Lower Upper
117 100
201 66.2 32.7 98.1

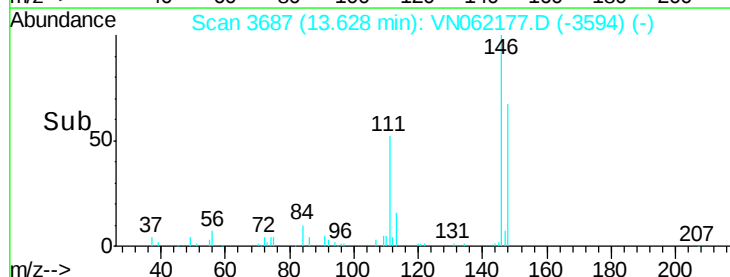
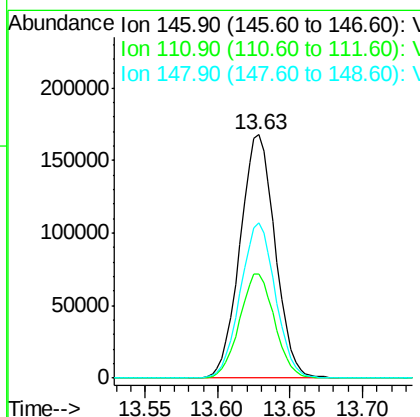
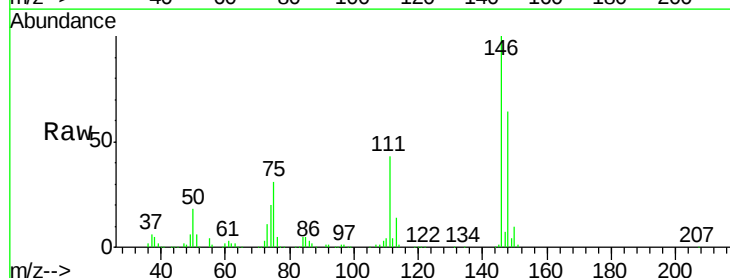
Manual Integrations
APPROVED

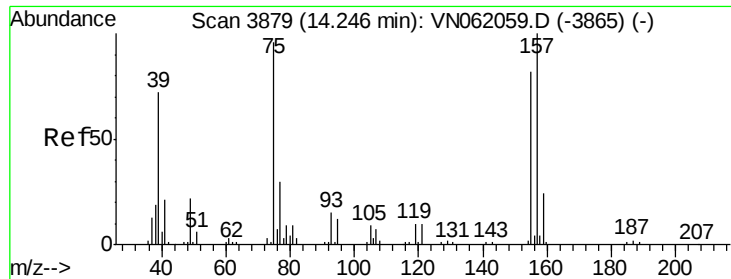
MMDadoda
6/29/2020 12:35:57 PM



#91
1,2-Dichlorobenzene
Concen: 48.391 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. -0.00 min
Lab File: VN062177.D
Acq: 27 Jun 2020 7:05

Tgt Ion:146 Resp: 283220
Ion Ratio Lower Upper
146 100
111 42.7 21.2 63.6
148 63.5 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.679 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

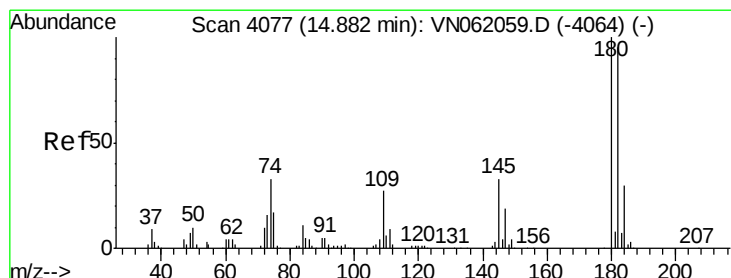
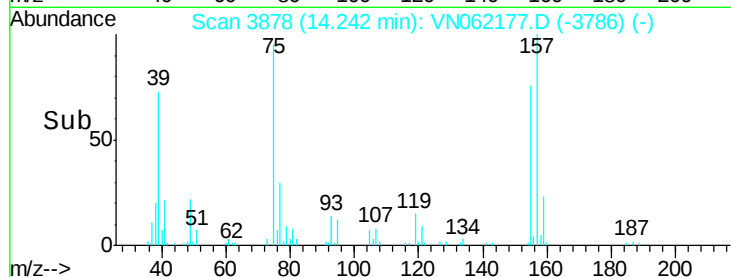
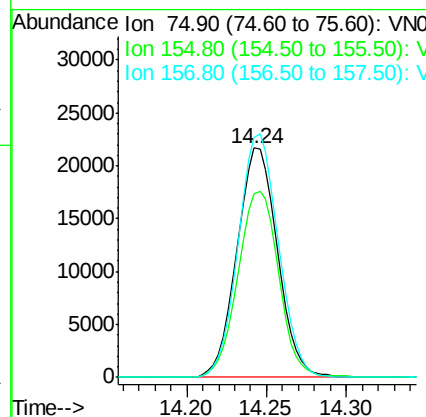
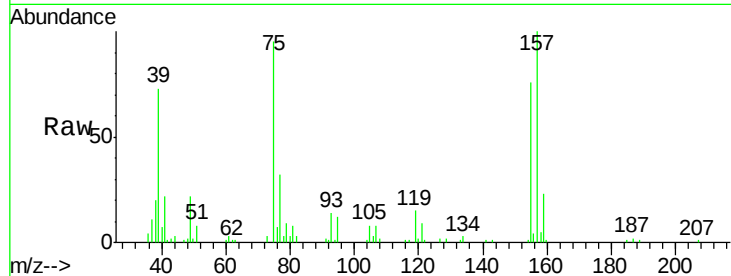
ClientSampleId :

56BR-20200622MS

Tot Ion:	75	Resp:	37403
Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.8	122.4
157	105.0	51.4	154.3

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#93

1,2,4-Trichlorobenzene

Concen: 50.803 ug/l

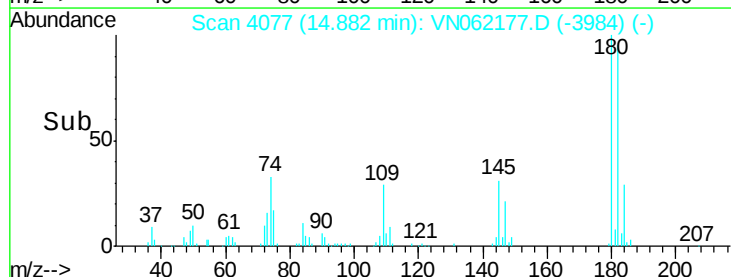
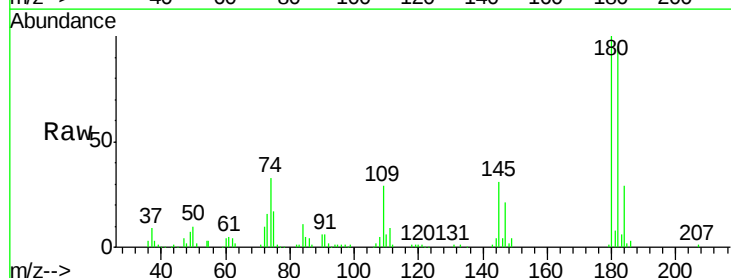
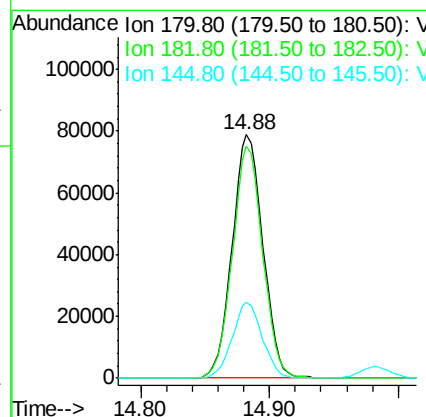
RT: 14.88 min Scan# 4077

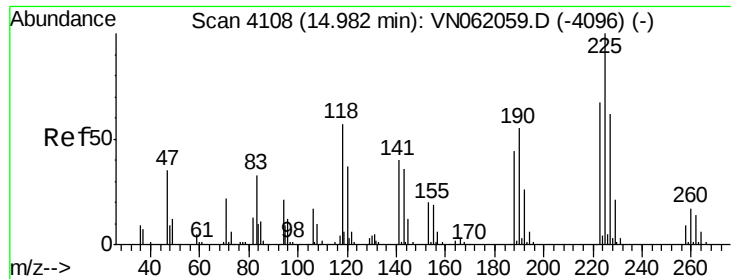
Delta R.T. -0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion:	180	Resp:	129893
Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.2
145	30.3	16.0	48.0





#94

Hexachlorobutadiene

Concen: 46.728 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Instrument :

MSVOA_N

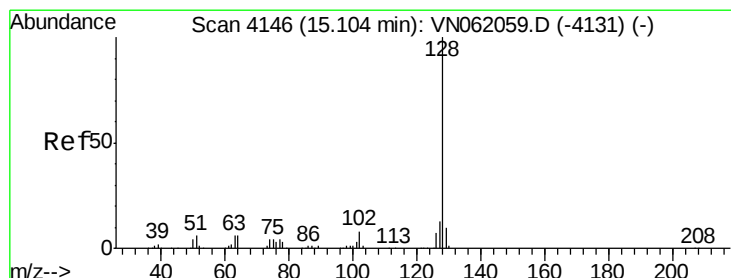
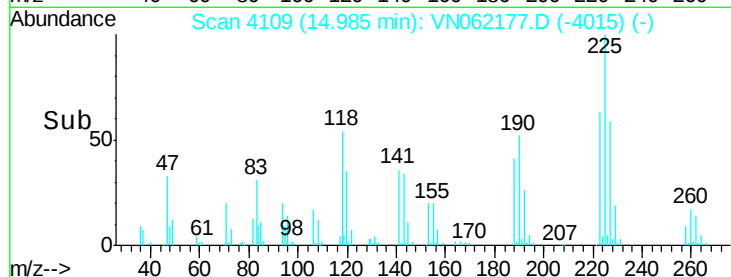
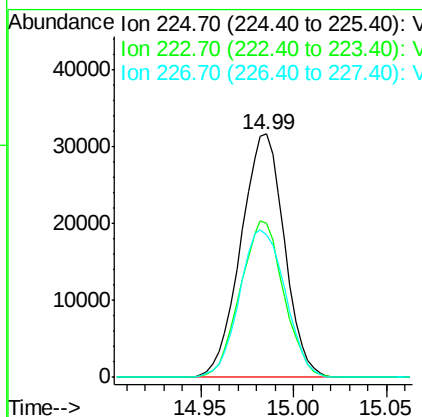
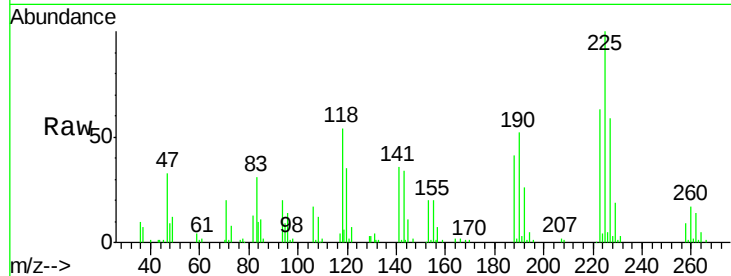
ClientSampleId :

56BR-20200622MS

Tot Ion:	225	Resp:	51892
Ion Ratio	Lower	Upper	
225	100		
223	64.0	32.9	98.7
227	63.5	31.3	93.8

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:57 PM



#95

Naphthalene

Concen: 45.840 ug/l

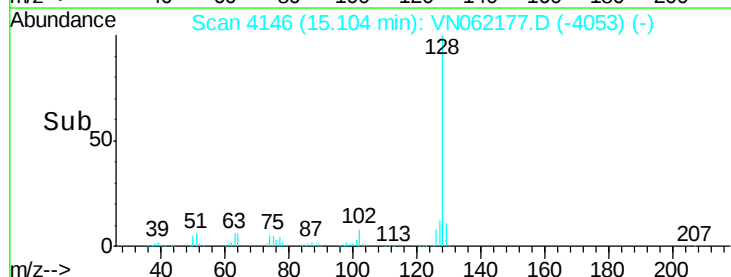
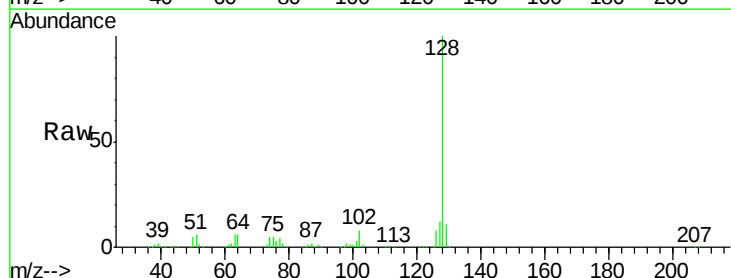
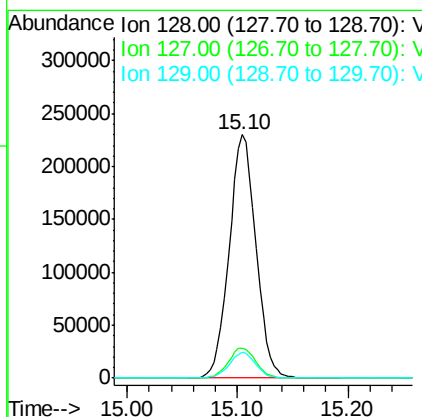
RT: 15.10 min Scan# 4146

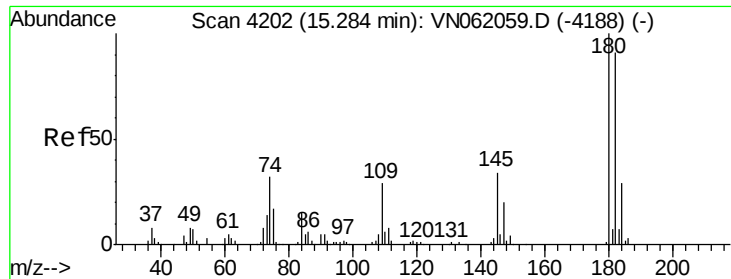
Delta R.T. 0.00 min

Lab File: VN062177.D

Acq: 27 Jun 2020 7:05

Tgt Ion:	128	Resp:	387707
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.6	8.6	13.0





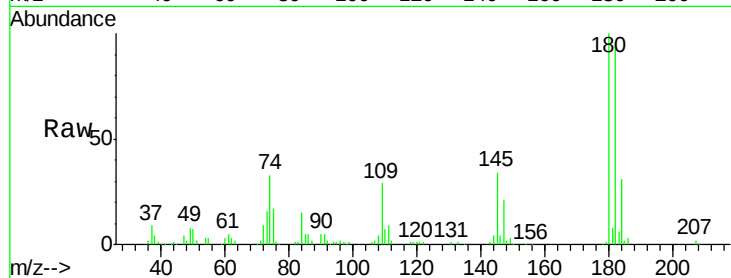
#96
 1,2,3-Trichlorobenzene
 Concen: 49.315 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062177.D
 Acq: 27 Jun 2020 7:05

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20200622MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.3	46.8	140.4
145	33.9	16.4	49.2

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:57 PM



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

