

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063263.D
 Acq On : 5 Sep 2020 2:48
 Operator : JC/MD
 Sample : VN0904WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:32:44 PM

Quant Time: Sep 08 05:43:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	250151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	513062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	470818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197988	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	225019	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.55	113	163223	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.06	98	569867	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.38	95	190991	43.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	31251	12.685	ug/l	99
3) Chloromethane	2.04	50	67344	18.773	ug/l	99
4) Vinyl Chloride	2.17	62	65502	16.530	ug/l	99
5) Bromomethane	2.54	94	75114	22.519	ug/l	97
6) Chloroethane	2.68	64	67732	21.498	ug/l	95
7) Trichlorofluoromethane	2.98	101	92968	14.245	ug/l	97
8) Diethyl Ether	3.37	74	41424	21.848	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	42693	15.851	ug/l	96
10) Methyl Iodide	3.91	142	67876	18.477	ug/l	99
11) Tert butyl alcohol	4.72	59	55008	109.588	ug/l #	93
12) 1,1-Dichloroethene	3.70	96	47035	17.138	ug/l	95
13) Acrolein	3.57	56	10739	68.420	ug/l	97
14) Allyl chloride	4.28	41	82197	16.863	ug/l #	86
15) Acrylonitrile	4.93	53	155928	112.237	ug/l	98
16) Acetone	3.78	43	133847	115.142	ug/l	99
17) Carbon Disulfide	4.01	76	124532	15.244	ug/l	99
18) Methyl Acetate	4.28	43	74008	24.830	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	219880	21.596	ug/l	97
20) Methylene Chloride	4.50	84	72578	21.928	ug/l #	93
21) trans-1,2-Dichloroethene	4.99	96	58072	19.152	ug/l	94
22) Diisopropyl ether	5.90	45	234440	21.463	ug/l	99
23) Vinyl Acetate	5.84	43	939805	107.830	ug/l	99
24) 1,1-Dichloroethane	5.80	63	123193m	20.459	ug/l	
25) 2-Butanone	6.78	43	210439	116.914	ug/l	93
26) 2,2-Dichloropropane	6.78	77	67655	12.401	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	76079	20.642	ug/l	93
28) Bromochloromethane	7.15	49	65747	20.899	ug/l	97
29) Tetrahydrofuran	7.17	42	138030	110.905	ug/l	96
30) Chloroform	7.33	83	132924	21.099	ug/l	96
31) Cyclohexane	7.61	56	74774	12.786	ug/l #	94
32) 1,1,1-Trichloroethane	7.53	97	99141	18.262	ug/l	98
36) 1,1-Dichloropropene	7.75	75	78352	15.885	ug/l	99
37) Ethyl Acetate	6.88	43	98356	21.338	ug/l #	99
38) Carbon Tetrachloride	7.73	117	74261	14.846	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063263.D
 Acq On : 5 Sep 2020 2:48
 Operator : JC/MD
 Sample : VN0904WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0904WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:32:44 PM

Quant Time: Sep 08 05:43:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	62388	11.259	ug/l	96
40) Benzene	8.00	78	279662	19.295	ug/l	98
41) Methacrylonitrile	7.12	41	35538m	17.103	ug/l	
42) 1,2-Dichloroethane	8.08	62	114682	21.182	ug/l	100
43) Isopropyl Acetate	8.13	43	161260	20.048	ug/l	98
44) Trichloroethene	8.80	130	67685	19.252	ug/l	95
45) 1,2-Dichloropropane	9.08	63	73859	19.246	ug/l	97
46) Dibromomethane	9.17	93	53688	21.111	ug/l	98
47) Bromodichloromethane	9.37	83	108037	19.819	ug/l	98
48) Methyl methacrylate	9.17	41	76382	21.064	ug/l	98
49) 1,4-Dioxane	9.17	88	24818	442.494	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	494061	113.029	ug/l	100
52) Toluene	10.13	92	170681	18.904	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	106769	17.906	ug/l	93
54) cis-1,3-Dichloropropene	9.81	75	113090	18.068	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	74610	21.577	ug/l	98
56) Ethyl methacrylate	10.40	69	106474	20.233	ug/l	97
57) 1,3-Dichloropropane	10.68	76	129728	21.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	257591	94.528	ug/l	100
59) 2-Hexanone	10.72	43	346060	112.652	ug/l	99
60) Dibromochloromethane	10.87	129	77181	20.189	ug/l	96
61) 1,2-Dibromoethane	10.98	107	76183	21.194	ug/l	97
64) Tetrachloroethene	10.60	164	61319	18.137	ug/l	99
65) Chlorobenzene	11.41	112	177954	18.766	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	68819	19.547	ug/l	99
67) Ethyl Benzene	11.49	91	297917	17.221	ug/l	100
68) m/p-Xylenes	11.59	106	218988	34.179	ug/l	98
69) o-Xylene	11.92	106	113149	18.281	ug/l	99
70) Styrene	11.94	104	188225	17.695	ug/l	99
71) Bromoform	12.10	173	46158	19.318	ug/l #	99
73) Isopropylbenzene	12.23	105	262366	17.277	ug/l	100
74) N-amyl acetate	12.05	43	130729	20.784	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	101488	23.181	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	84425m	21.703	ug/l	
77) Bromobenzene	12.50	156	71848	20.920	ug/l	95
78) n-propylbenzene	12.57	91	294985	16.787	ug/l	99
79) 2-Chlorotoluene	12.65	91	191307	18.177	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	216477	17.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	26111	16.223	ug/l	90
82) 4-Chlorotoluene	12.75	91	191115	17.509	ug/l	97
83) tert-Butylbenzene	12.97	119	170309	15.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	225218	17.677	ug/l	98
85) sec-Butylbenzene	13.15	105	216272	15.308	ug/l	99
86) p-Isopropyltoluene	13.26	119	192296	15.331	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	119558	18.950	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	121778	18.641	ug/l	99
89) n-Butylbenzene	13.59	91	157643	13.604	ug/l	100
90) Hexachloroethane	13.85	117	32183	13.861	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	120713	19.717	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17965	18.665	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
Data File : VN063263.D
Acq On : 5 Sep 2020 2:48
Operator : JC/MD
Sample : VN0904WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM

Quant Time: Sep 08 05:43:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	57373	16.773	ug/l	98
94) Hexachlorobutadiene	14.99	225	17001	13.305	ug/l	98
95) Naphthalene	15.11	128	226117	19.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	56254	16.881	ug/l	98

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

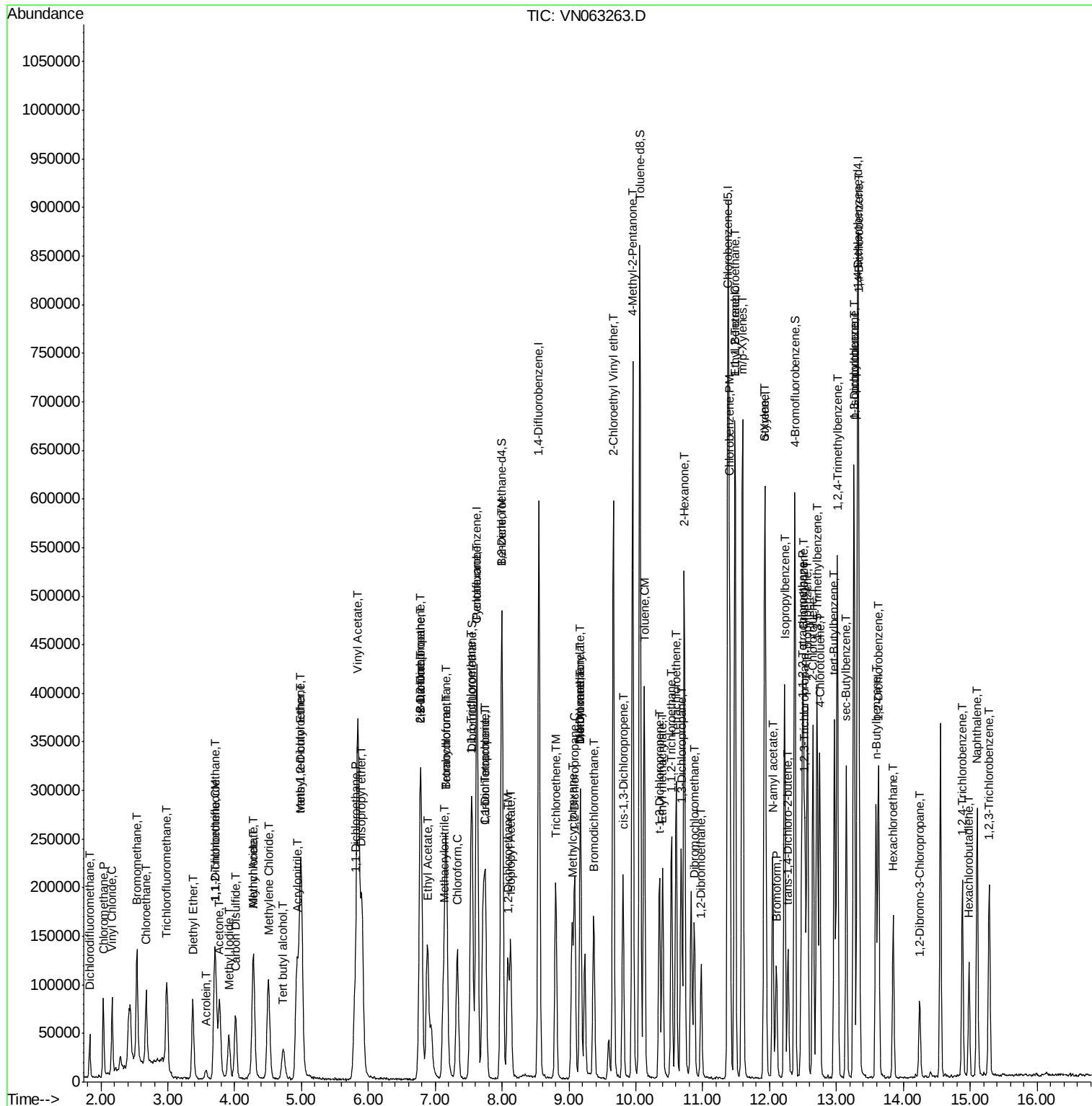
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063263.D
 Acd On : 5 Sep 2020 2:48
 Operator : JC/MD
 Sample : VN0904WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

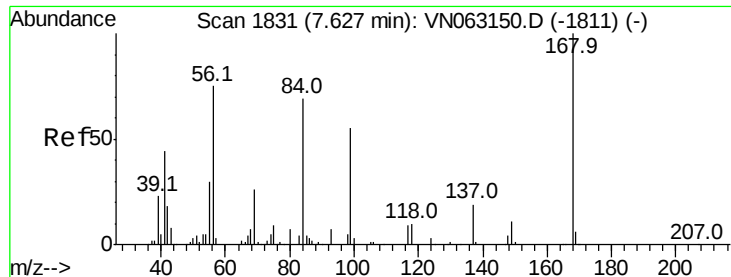
Instrument :
 MSVOA_N
 Client Sampled :
 VN0904WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:32:44 PM

Quant Time: Sep 08 05:43:04 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion:168 Resp: 250151

Ion Ratio Lower Upper

168 100

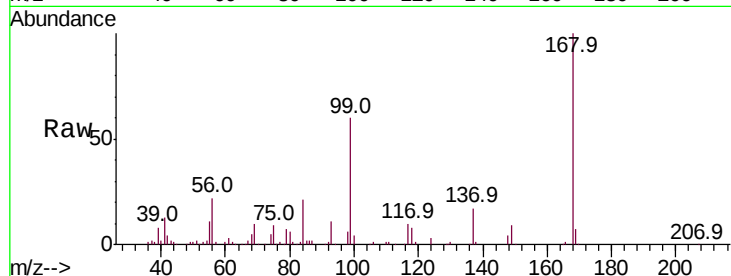
99 59.7 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 167.90 (167.60 to 168.60): VN063150.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063150.D (-1811) (-)

7.62

100000

80000

60000

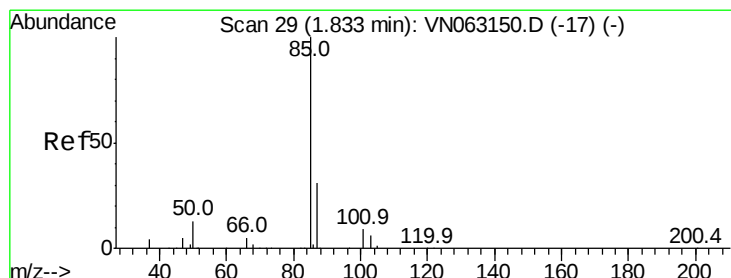
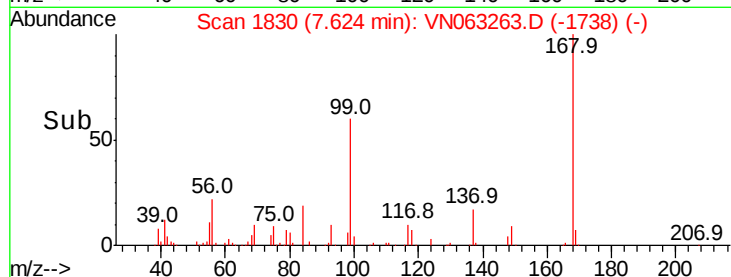
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 12.685 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063263.D

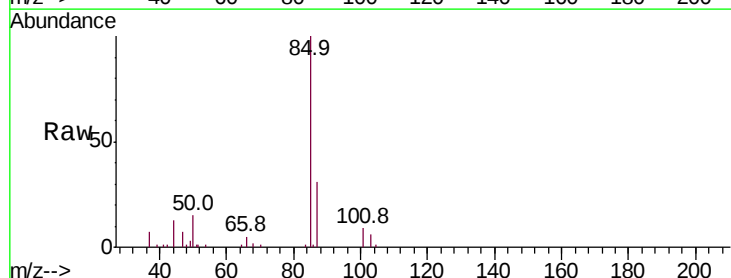
Acq: 5 Sep 2020 2:48

Tgt Ion: 85 Resp: 31251

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN063150.D (-17) (-)

Ion 86.90 (86.60 to 87.60): VN063150.D (-17) (-)

1.83

25000

20000

15000

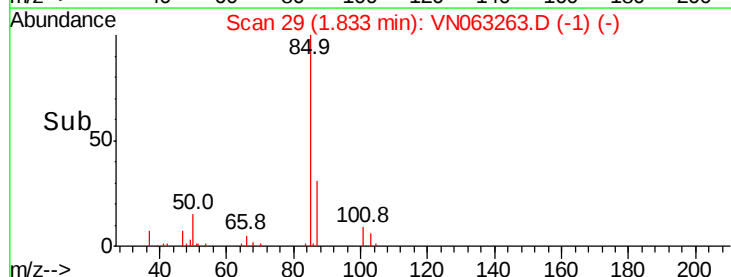
10000

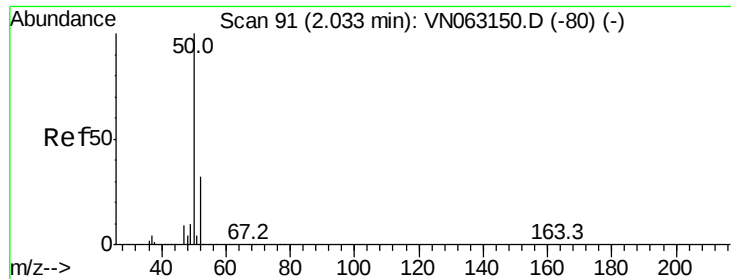
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.773 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 50 Resp: 67344

Ion Ratio Lower Upper

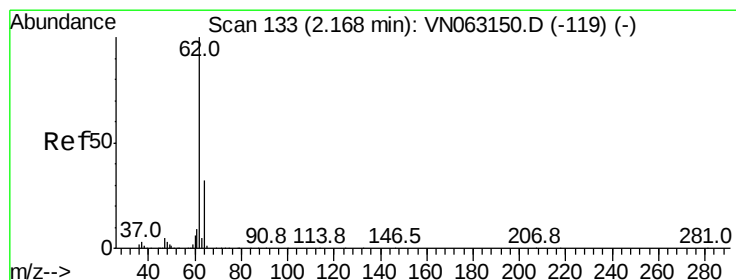
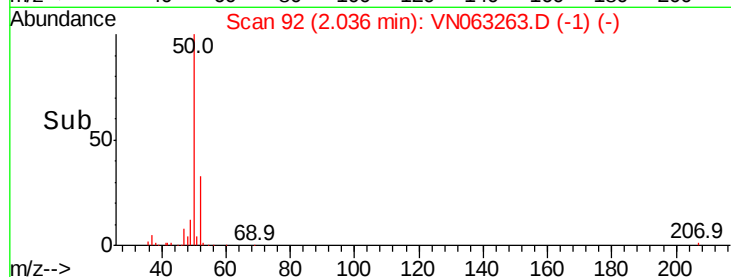
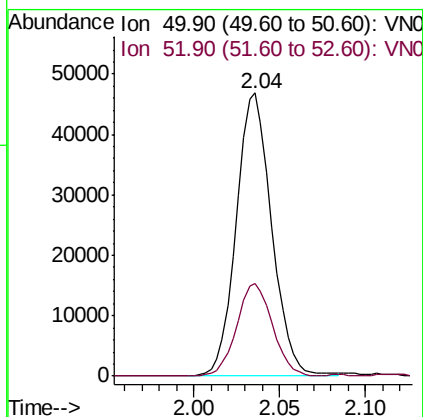
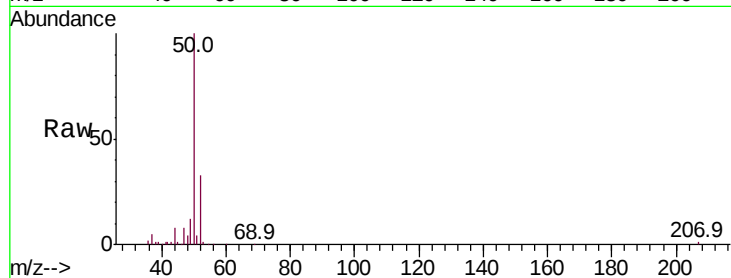
50 100

52 32.7 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:32:44 PM



#4

Vinyl Chloride

Concen: 16.530 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN063263.D

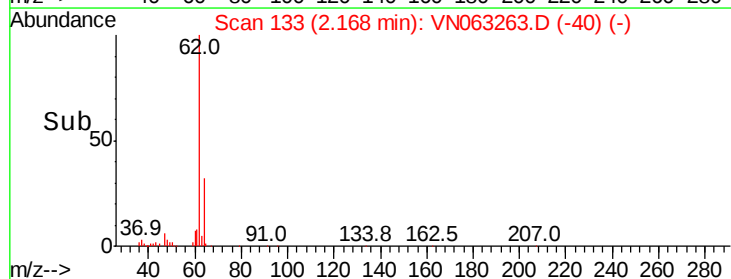
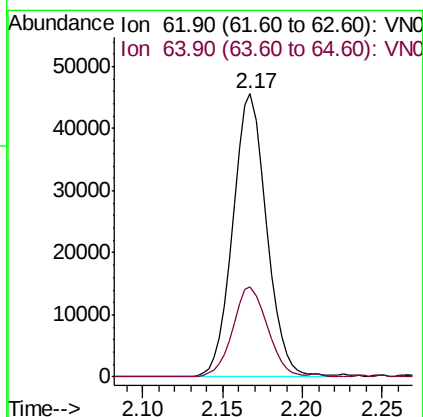
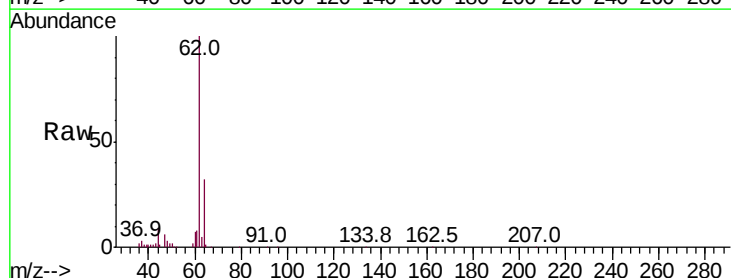
Acq: 5 Sep 2020 2:48

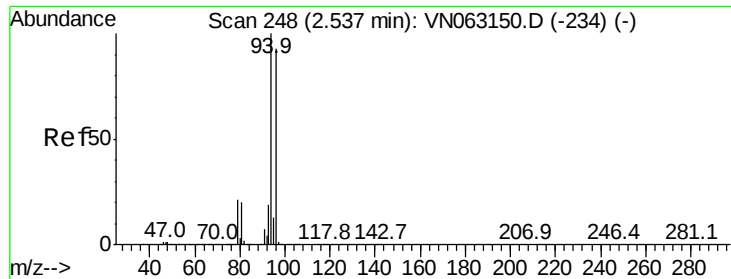
Tgt Ion: 62 Resp: 65502

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 22.519 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 94 Resp: 75114

Ion Ratio Lower Upper

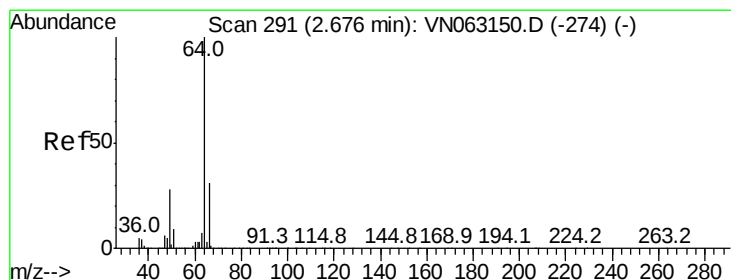
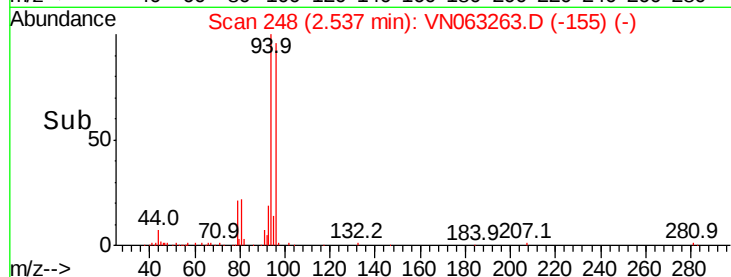
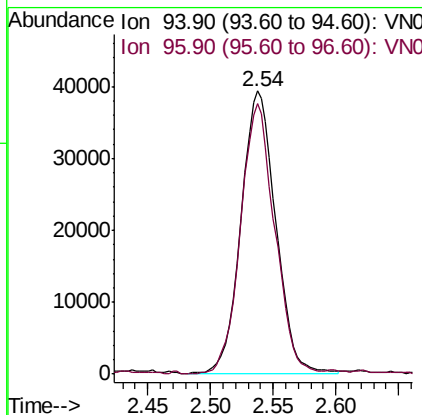
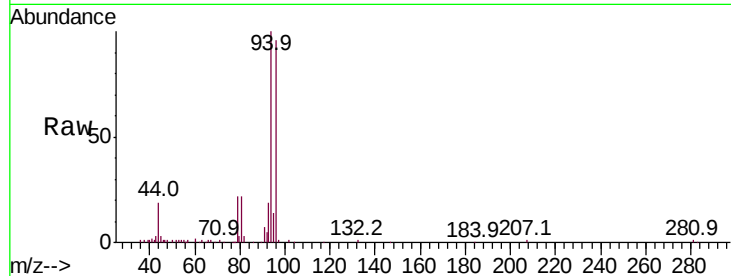
94 100

96 96.0 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:32:44 PM



#6

Chloroethane

Concen: 21.498 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063263.D

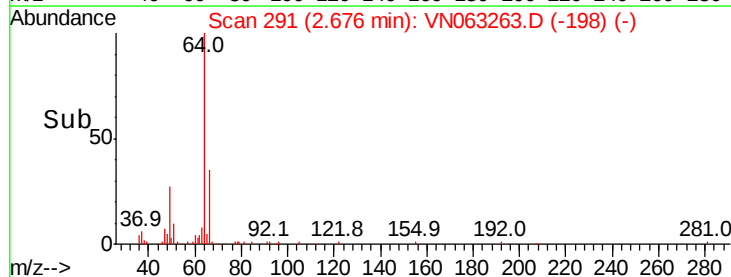
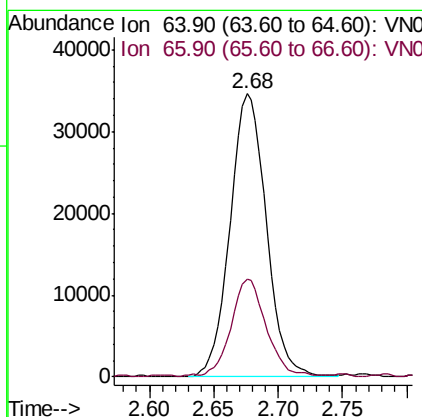
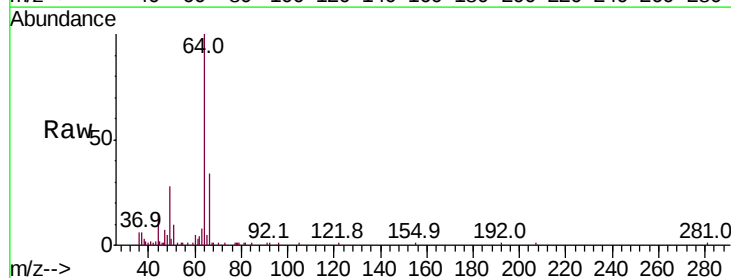
Acq: 5 Sep 2020 2:48

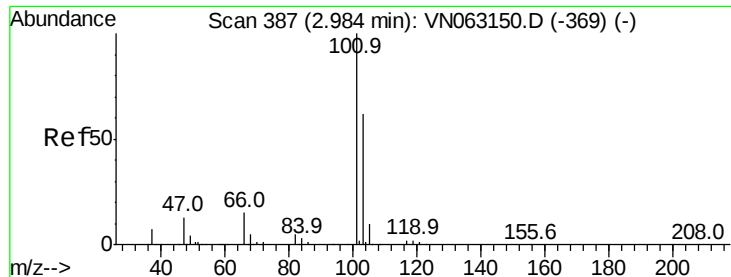
Tgt Ion: 64 Resp: 67732

Ion Ratio Lower Upper

64 100

66 33.7 24.7 37.1





#7

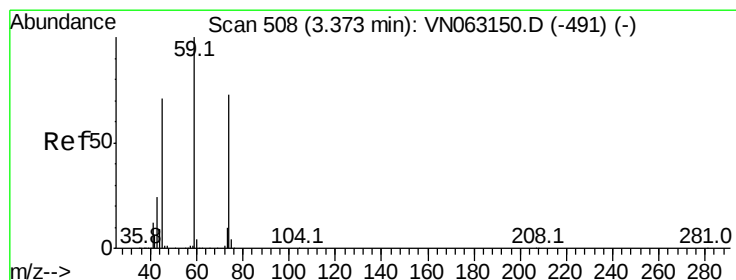
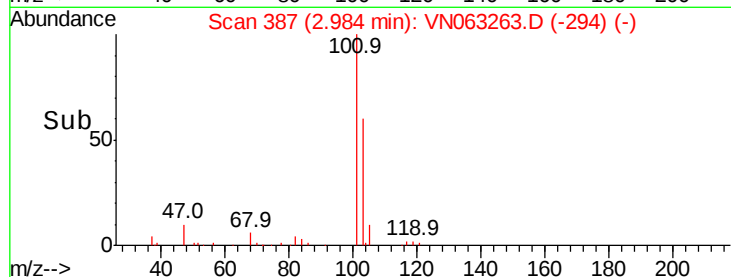
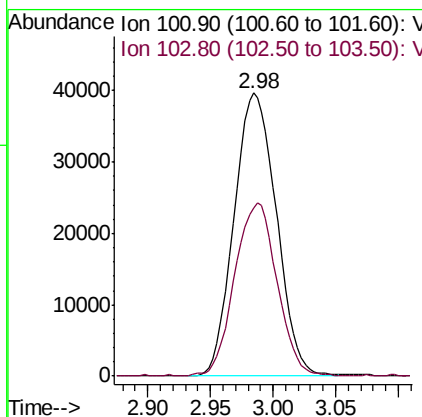
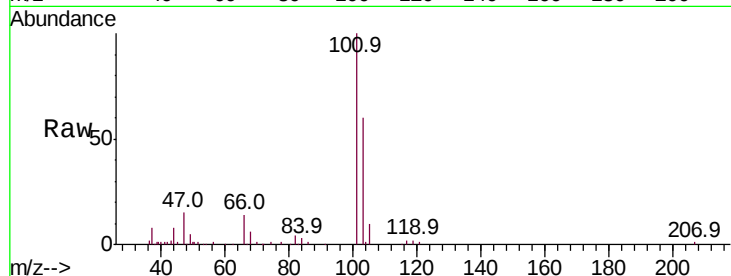
Trichlorofluoromethane
 Concen: 14.245 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	49.7	74.5

Manual Integrations
 APPROVED

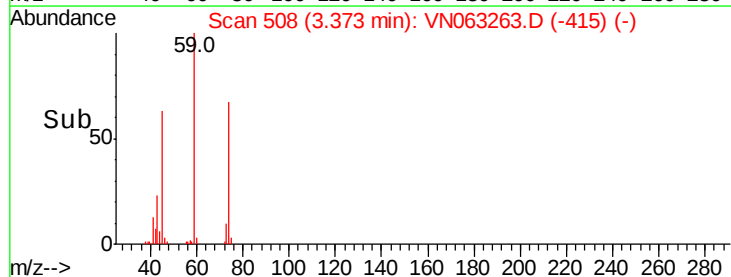
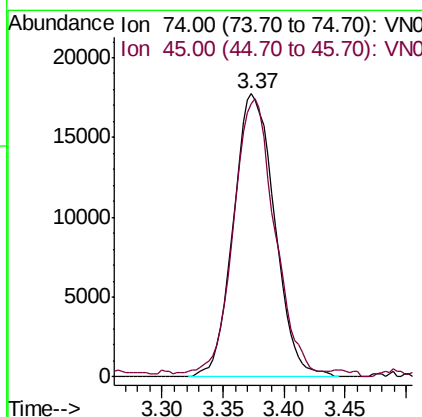
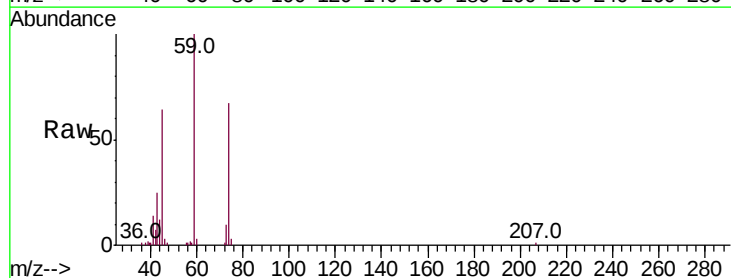
MMDadoda
 9/8/2020 1:32:44 PM

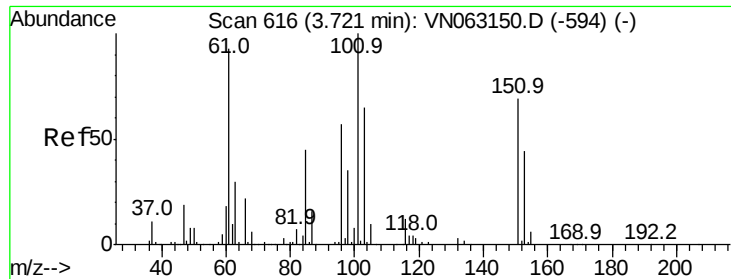


#8

Diethyl Ether
 Concen: 21.848 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.851 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

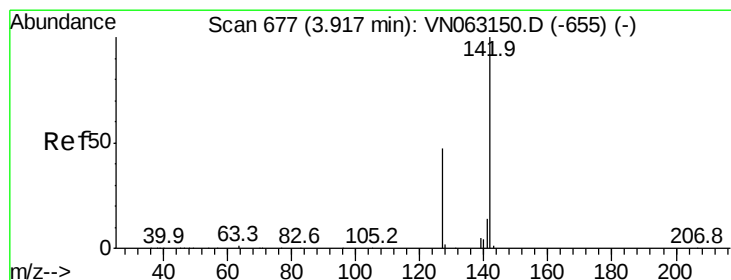
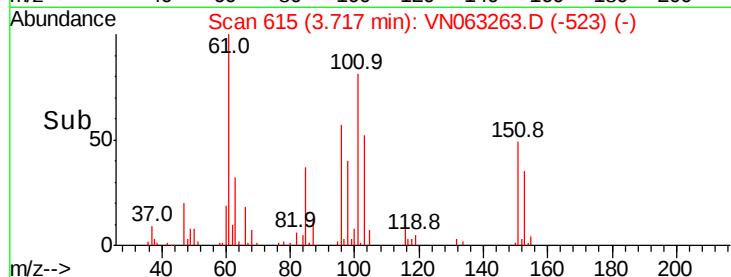
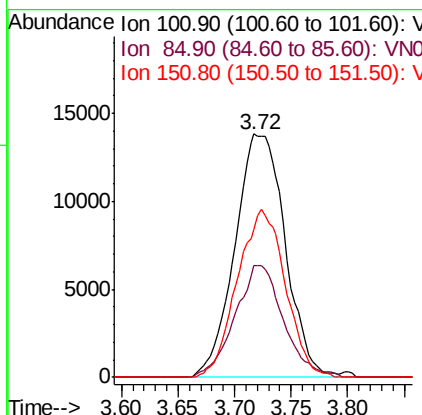
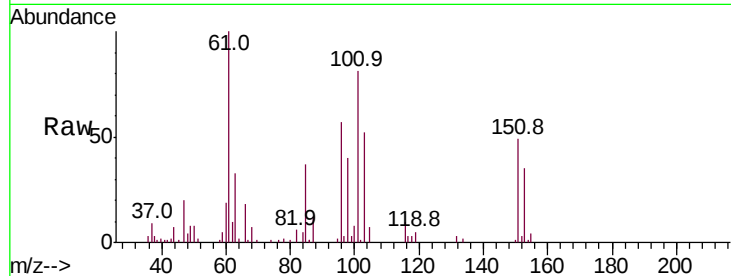
ClientSampleId :

VN0904WBS02

Tot Ion:	101	Resp:	42693
Ion Ratio	Lower	Upper	
101	100		
85	44.5	37.8	56.8
151	65.9	55.0	82.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#10

Methyl Iodide

Concen: 18.477 ug/l

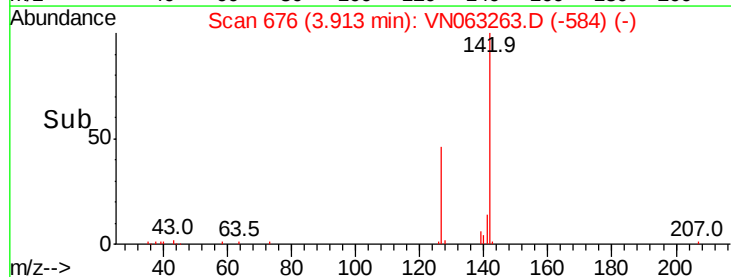
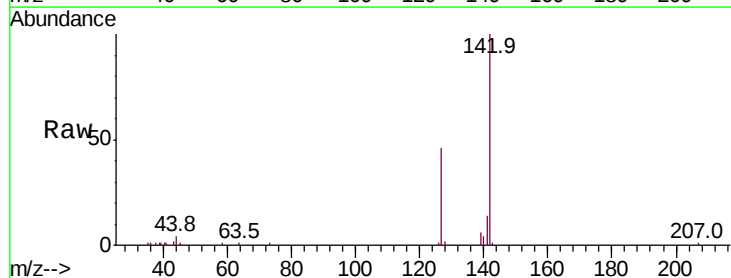
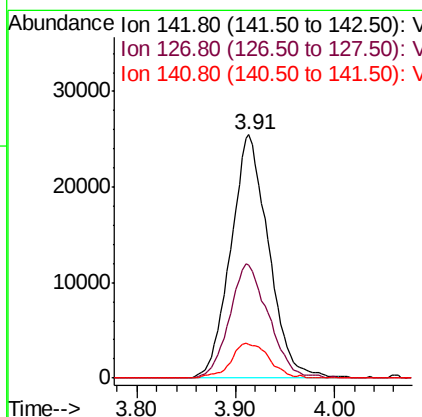
RT: 3.91 min Scan# 676

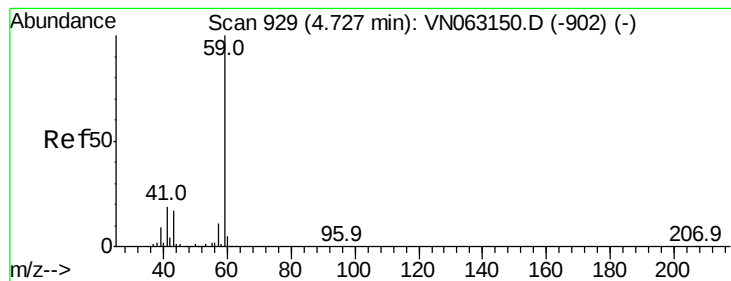
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	142	Resp:	67876
Ion Ratio	Lower	Upper	
142	100		
127	48.2	37.6	56.4
141	14.4	11.3	16.9





#11

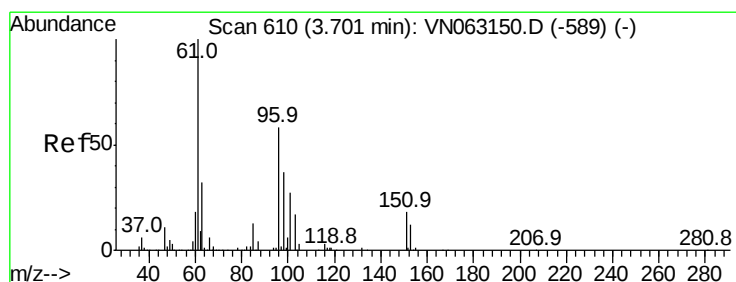
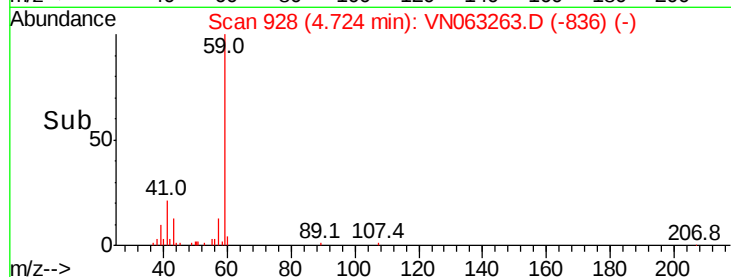
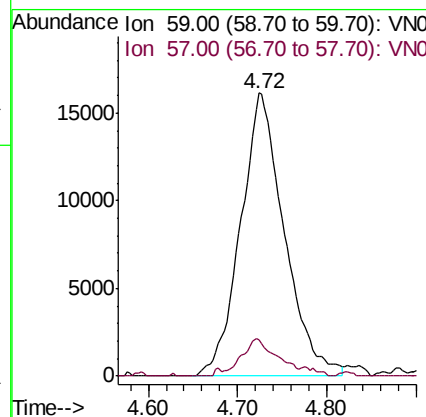
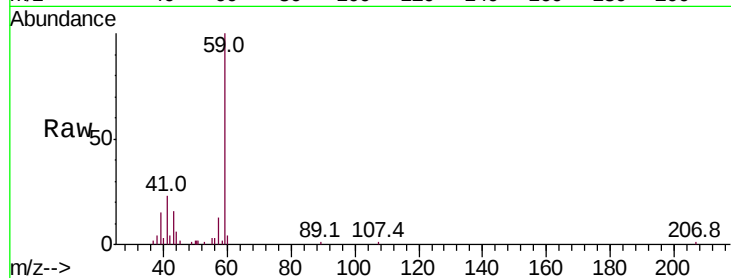
Tert butyl alcohol
Concen: 109.588 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	8.4	12.6#

Manual Integrations
APPROVED

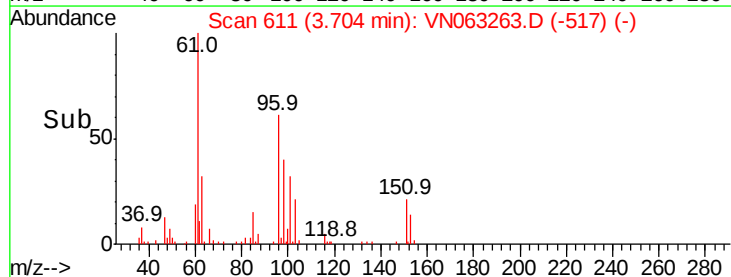
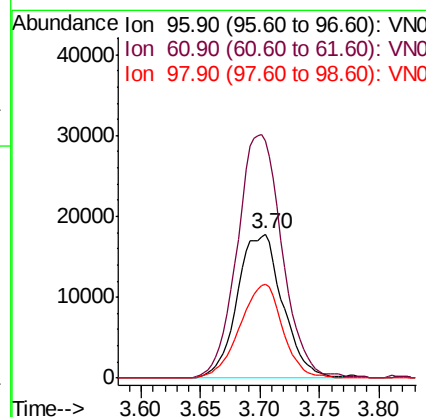
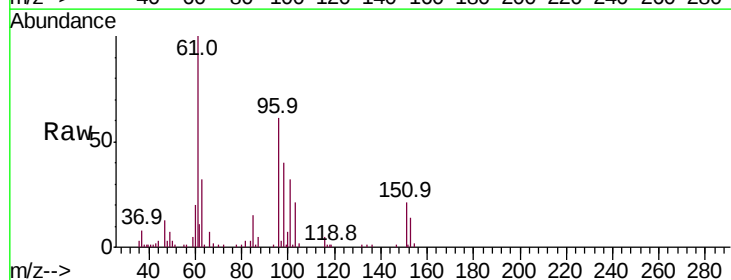
MMDadoda
9/8/2020 1:32:44 PM

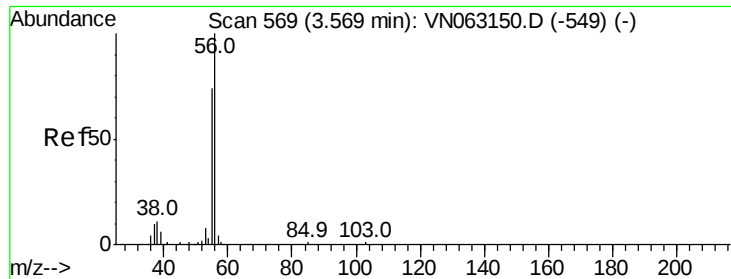


#12

1,1-Dichloroethene
Concen: 17.138 ug/l
RT: 3.70 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	137.4	206.2
98	65.5	50.5	75.7





#13

Acrolein

Concen: 68.420 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 56 Resp: 10739

Ion Ratio Lower Upper

56 100

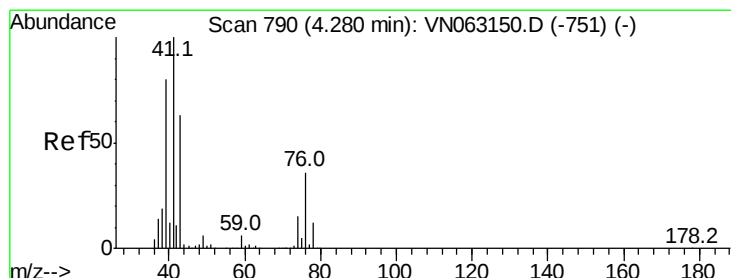
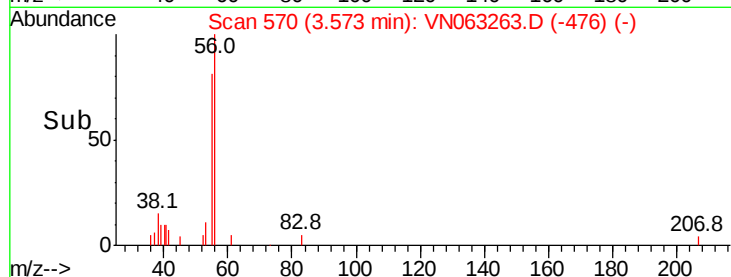
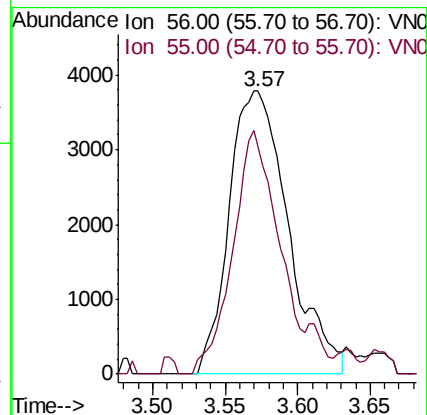
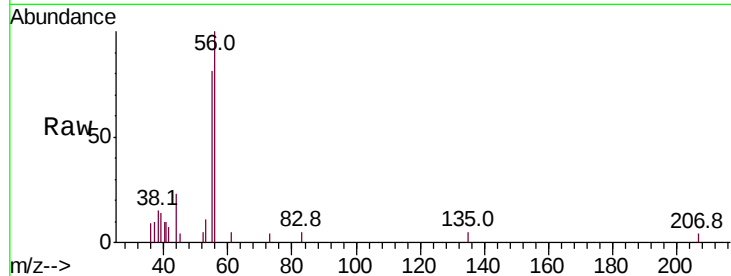
55 66.5 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:32:44 PM



#14

Allyl chloride

Concen: 16.863 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

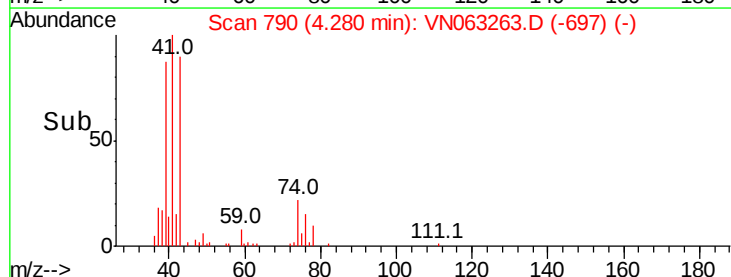
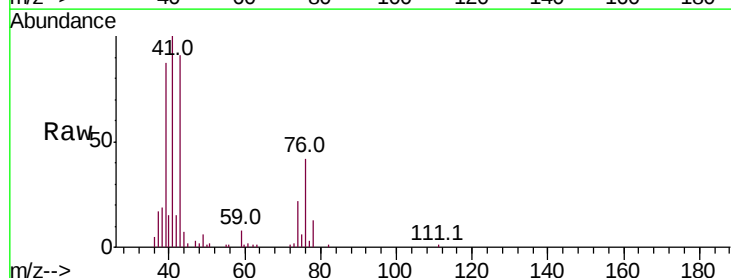
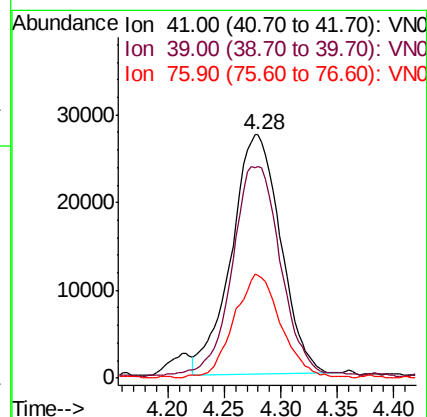
Tgt Ion: 41 Resp: 82197

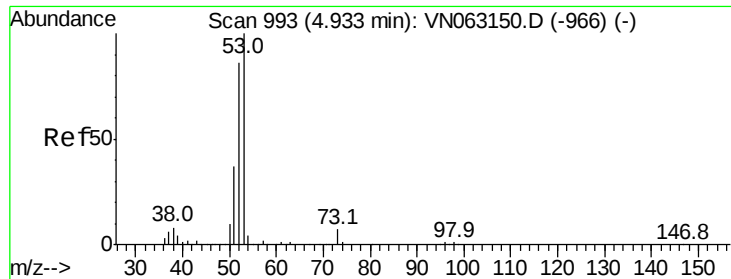
Ion Ratio Lower Upper

41 100

39 87.6 60.2 90.2

76 41.6 27.7 41.5#





#15

Acrylonitrile

Concen: 112.237 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

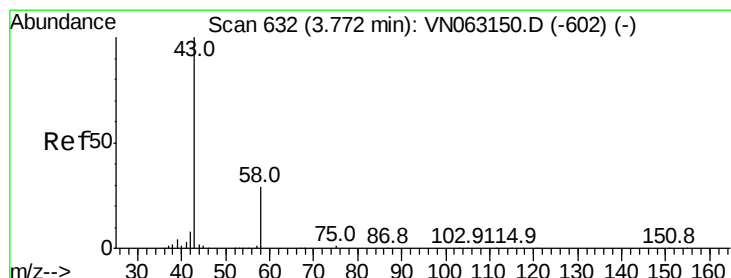
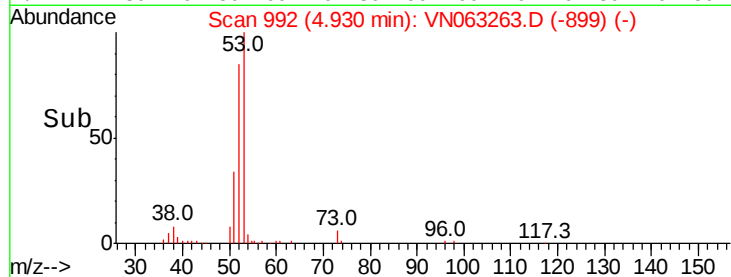
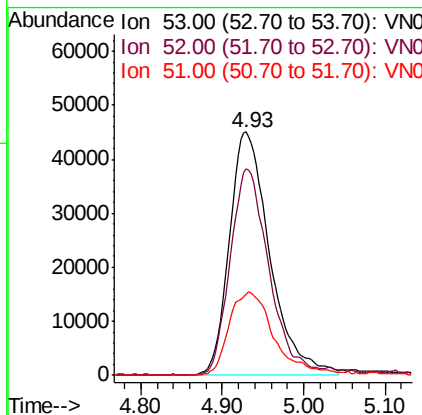
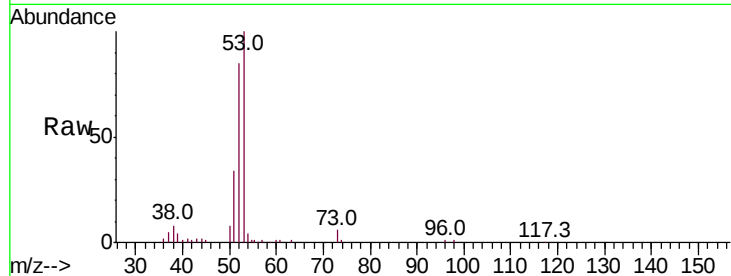
ClientSampleId :

VN0904WBS02

Tot Ion:	53	Resp:	155928
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.2	100.8
51	38.0	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#16

Acetone

Concen: 115.142 ug/l

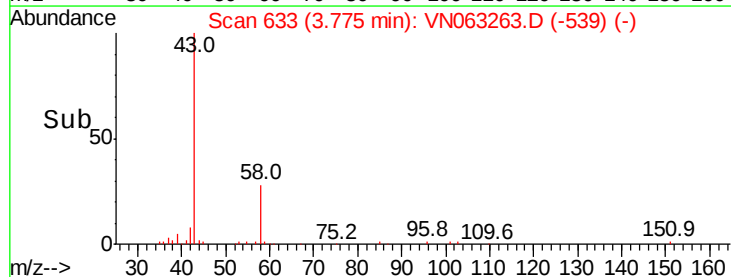
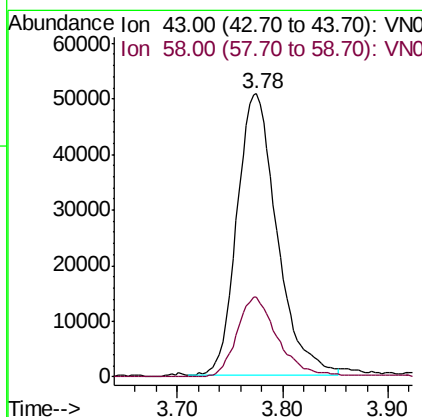
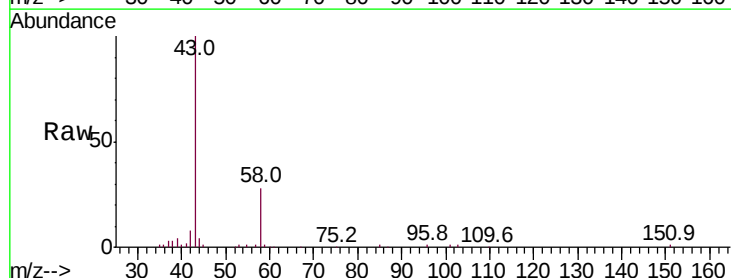
RT: 3.78 min Scan# 633

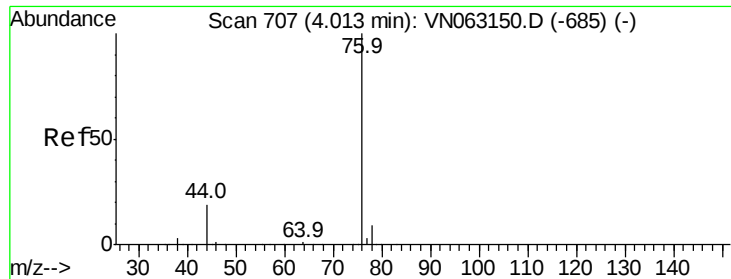
Delta R.T. 0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	43	Resp:	133847
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.1	34.7





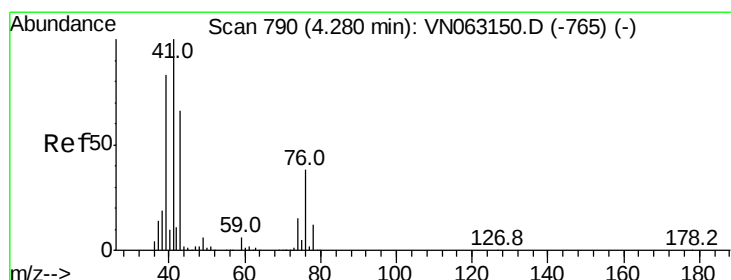
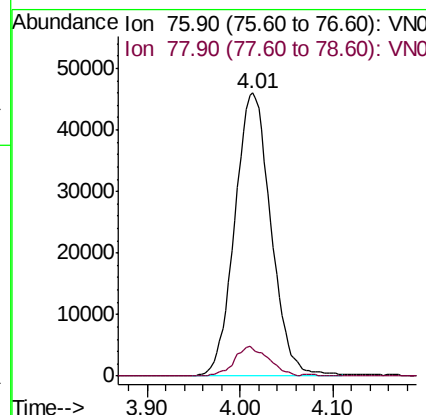
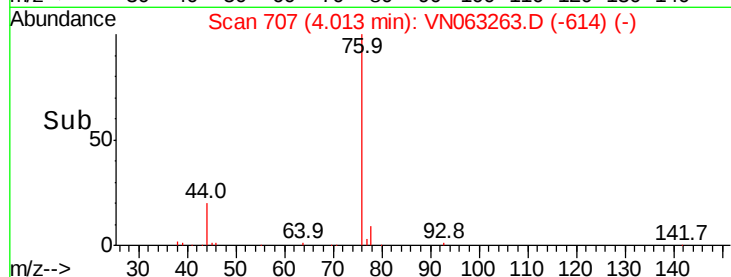
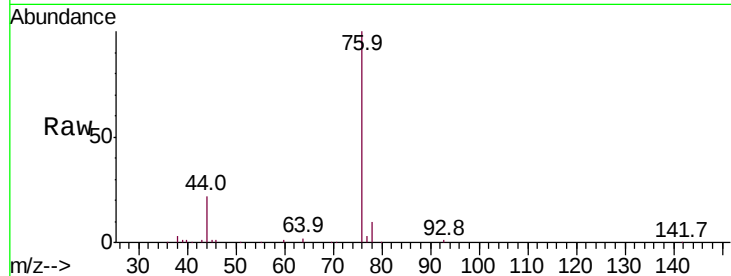
#17
Carbon Disulfide
Concen: 15.244 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

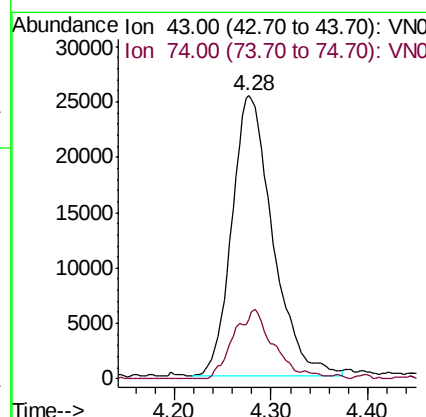
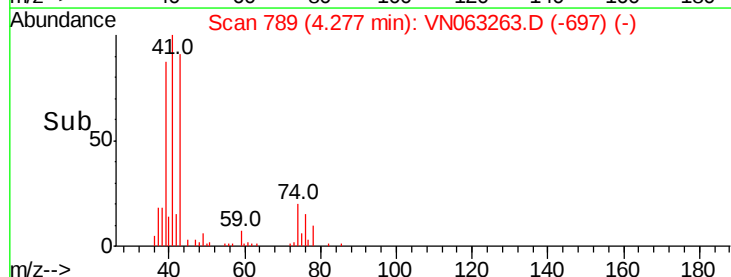
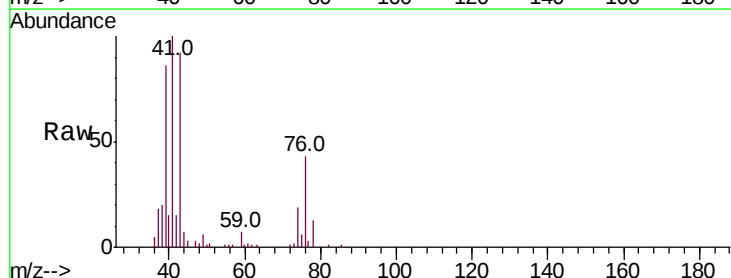
Manual Integrations
APPROVED

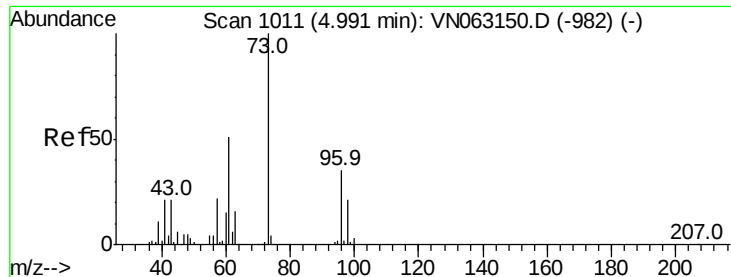
MMDadoda
9/8/2020 1:32:44 PM



#18
Methyl Acetate
Concen: 24.830 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.0	28.6





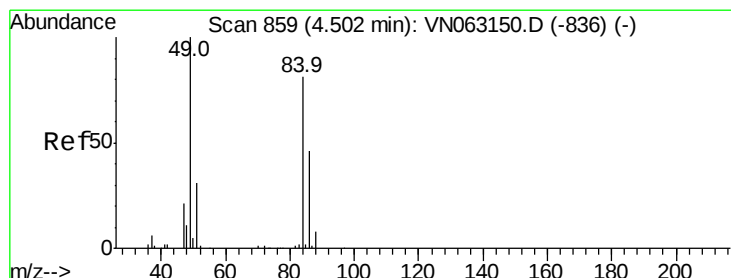
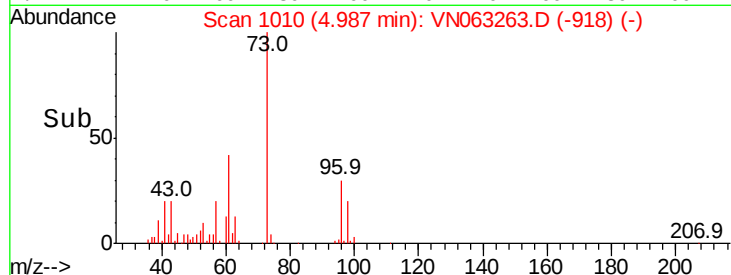
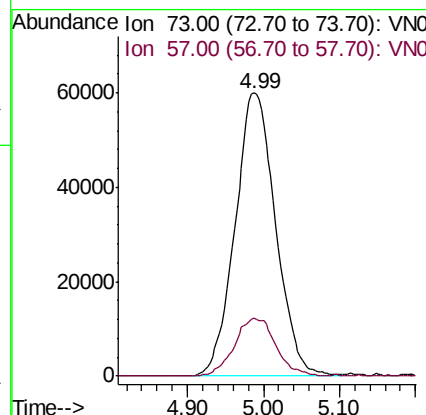
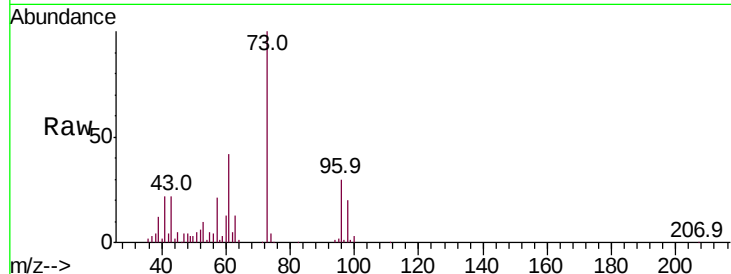
#19
Methvl tert-butvl Ether
Concen: 21.596 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion: 73 Resp: 219880
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4

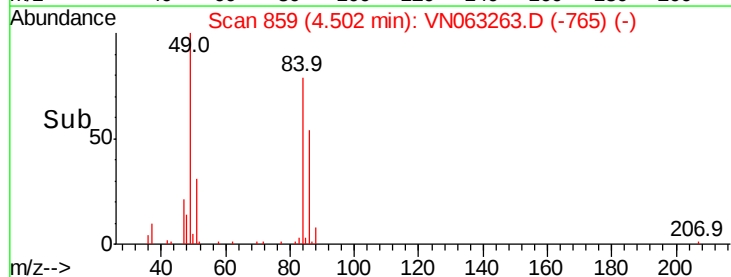
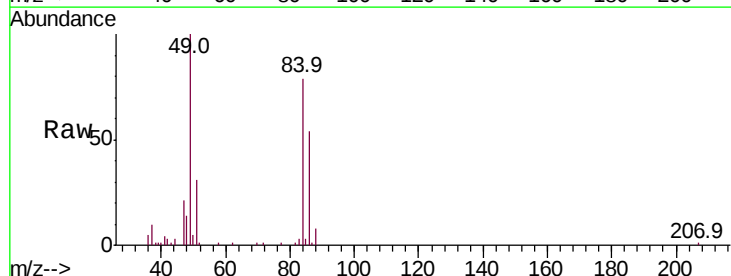
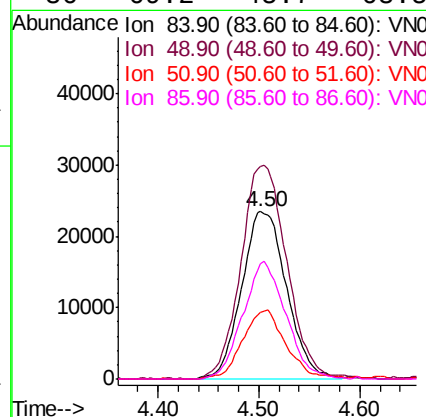
Manual Integrations
APPROVED

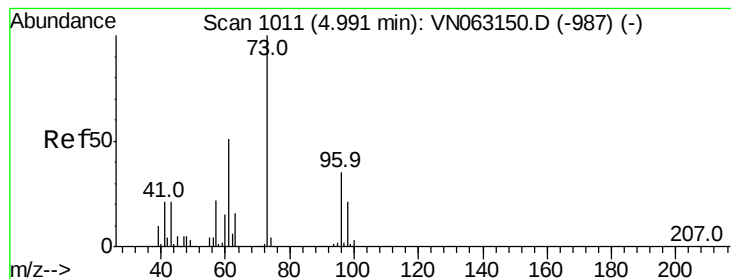
MMDadoda
9/8/2020 1:32:44 PM



#20
Methylene Chloride
Concen: 21.928 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion: 84 Resp: 72578
Ion Ratio Lower Upper
84 100
49 127.3 98.4 147.6
51 39.8 30.4 45.6
86 69.2 45.7 68.5#





#21

trans-1,2-Dichloroethene

Concen: 19.152 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 96 Resp: 58072

Ion Ratio Lower Upper

96 100

61 136.5 116.2 174.4

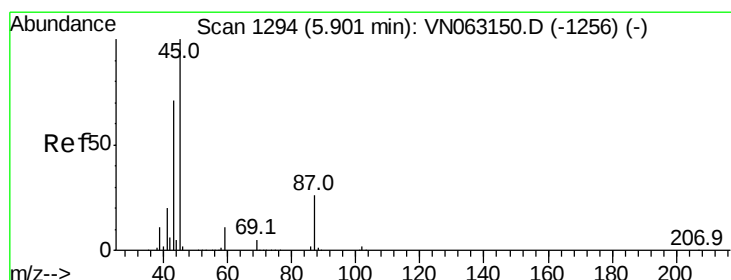
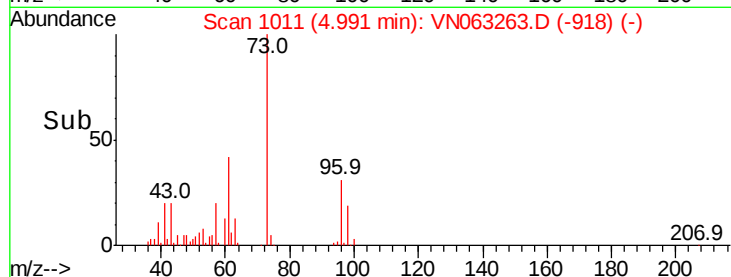
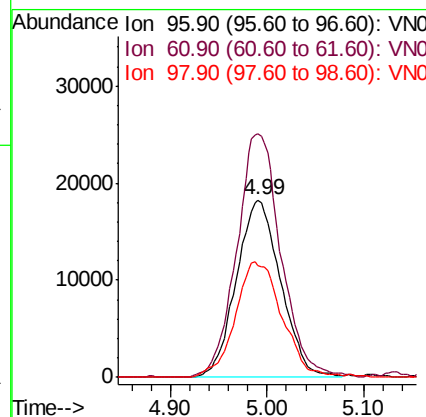
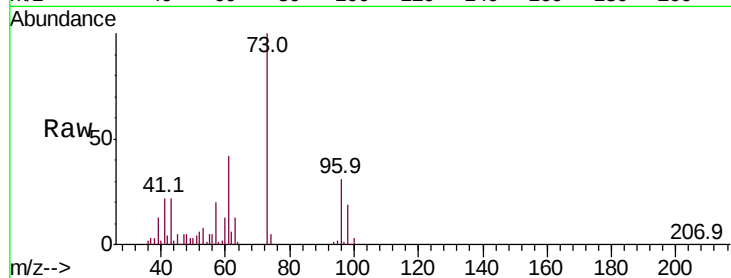
98 63.3 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:32:44 PM



#22

Diisopropyl ether

Concen: 21.463 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion: 45 Resp: 234440

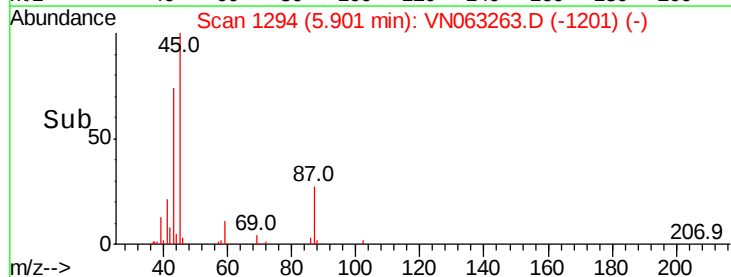
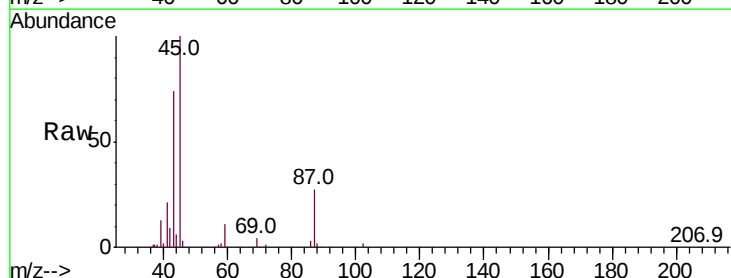
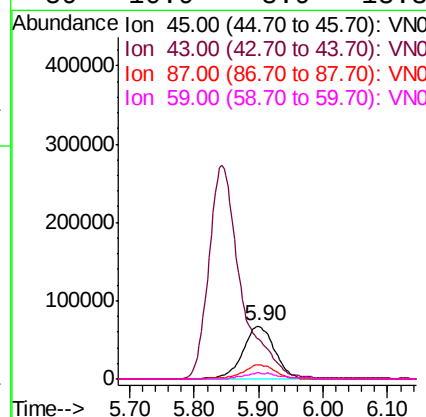
Ion Ratio Lower Upper

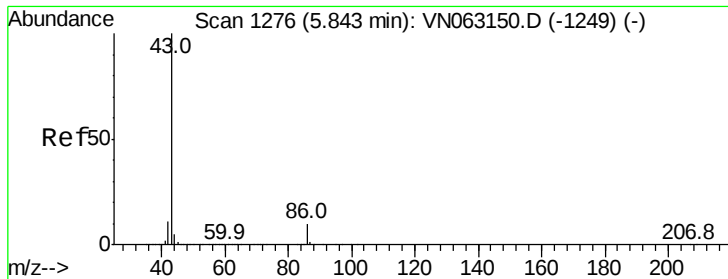
45 100

43 72.2 56.8 85.2

87 27.2 21.1 31.7

59 10.9 8.9 13.3





#23

Vinyl Acetate

Concen: 107.830 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 43 Resp: 939805

Ion Ratio Lower Upper

43 100

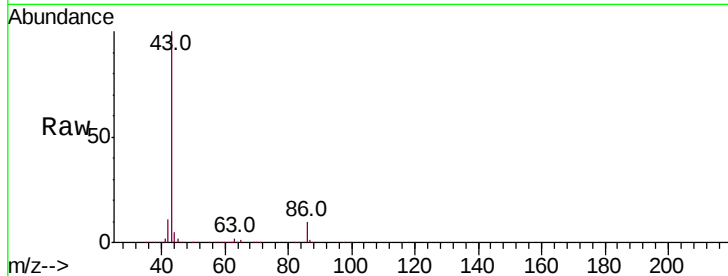
86 10.0 8.3 12.5

Manual Integrations

APPROVED

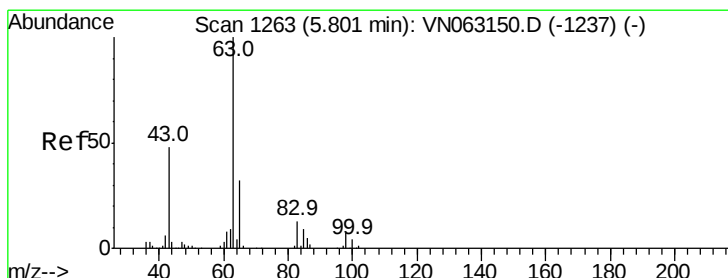
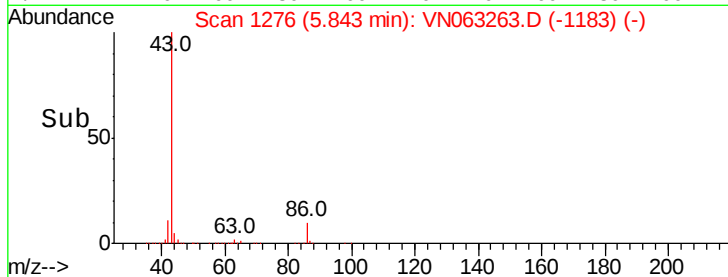
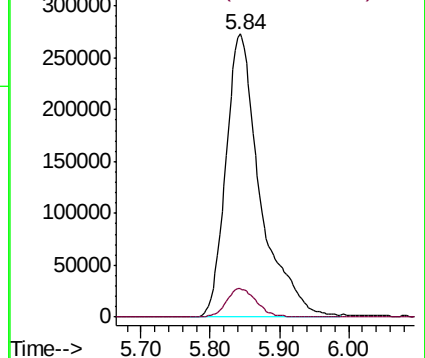
MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.459 ug/l m

RT: 5.80 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

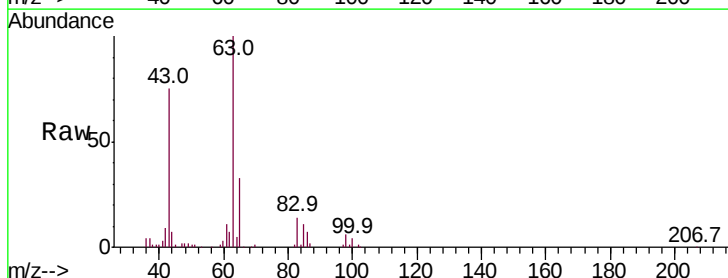
Tgt Ion: 63 Resp: 123193

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

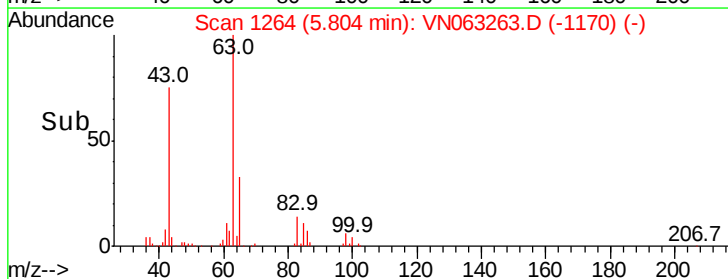
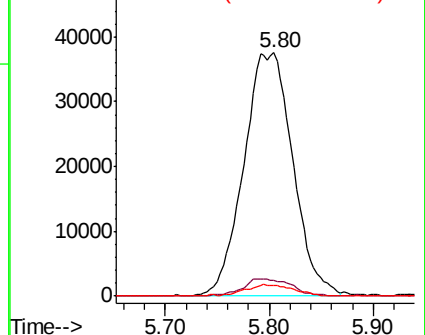
100 4.3 2.3 6.8

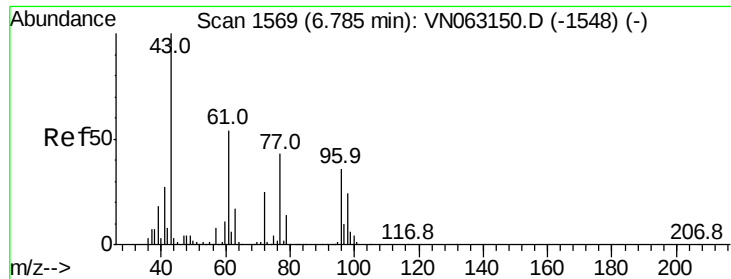


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 116.914 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 43 Resp: 210439

Ion Ratio Lower Upper

43 100

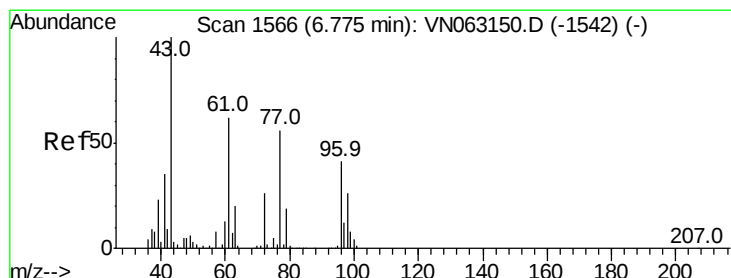
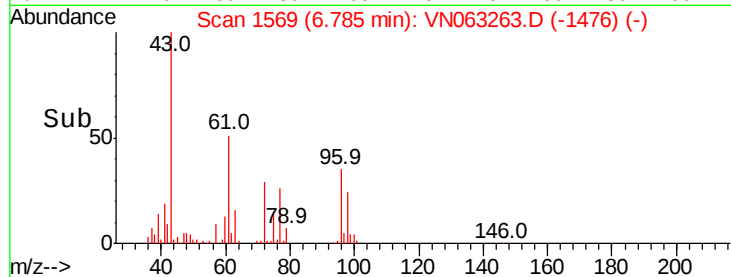
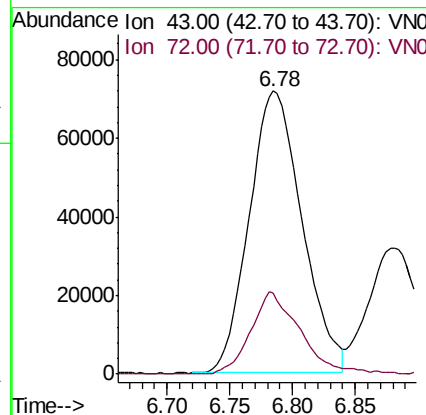
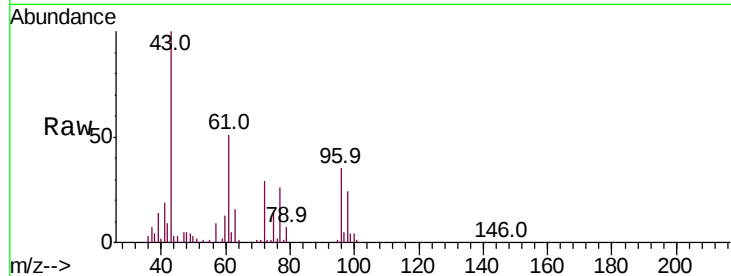
72 28.8 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:32:44 PM



#26

2,2-Dichloropropane

Concen: 12.401 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063263.D

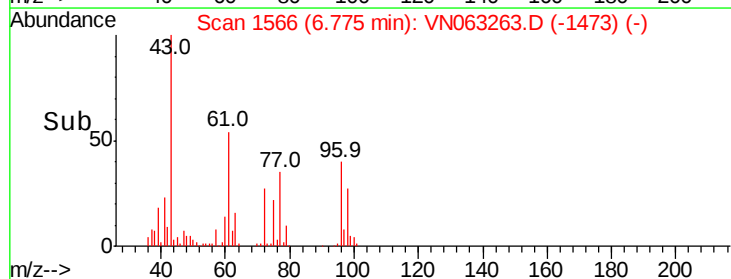
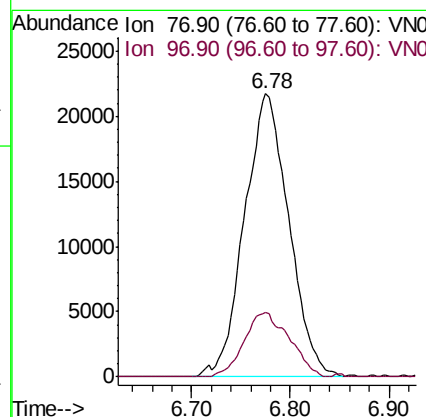
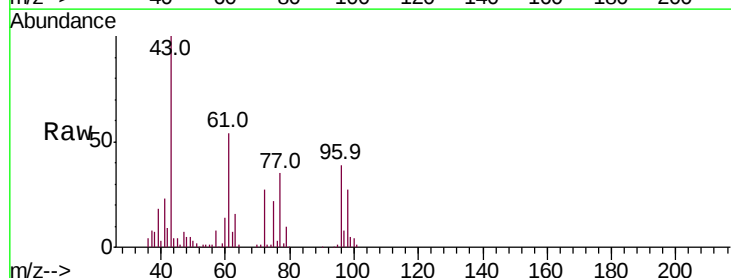
Acq: 5 Sep 2020 2:48

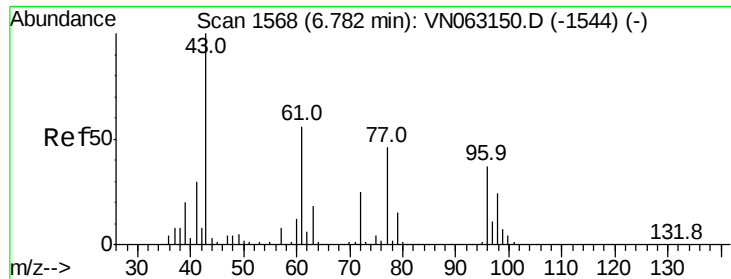
Tgt Ion: 77 Resp: 67655

Ion Ratio Lower Upper

77 100

97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.642 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

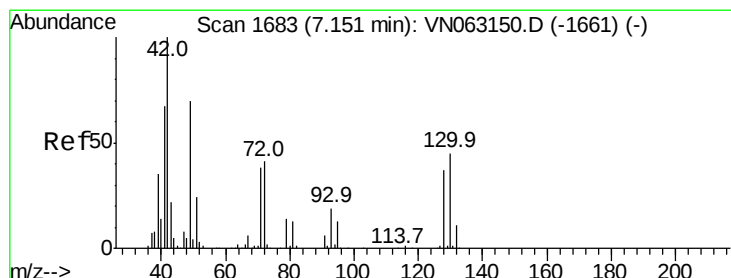
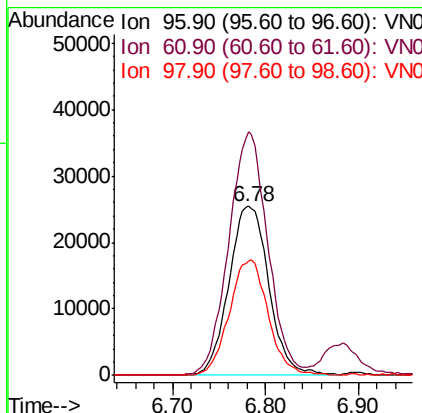
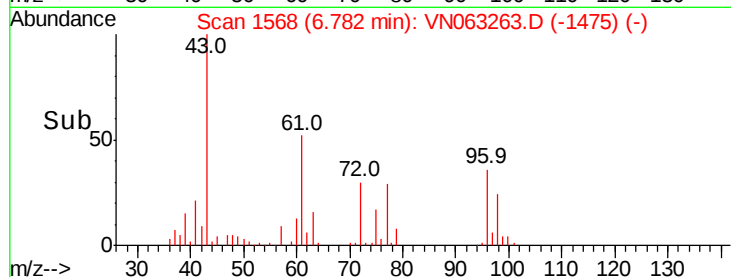
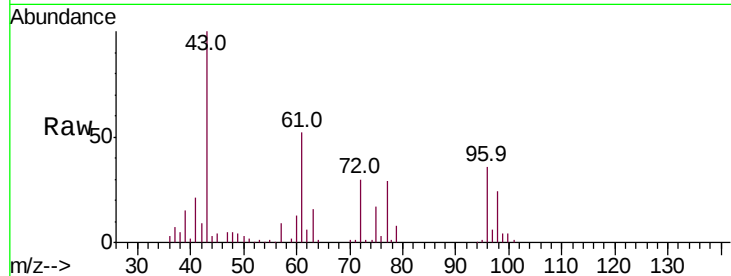
ClientSampleId :

VN0904WBS02

Tot Ion:	96	Resp:	76079
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	303.2
98	66.5	0.0	129.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#28

Bromochloromethane

Concen: 20.899 ug/l

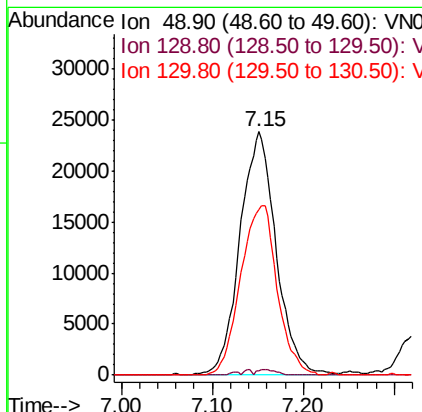
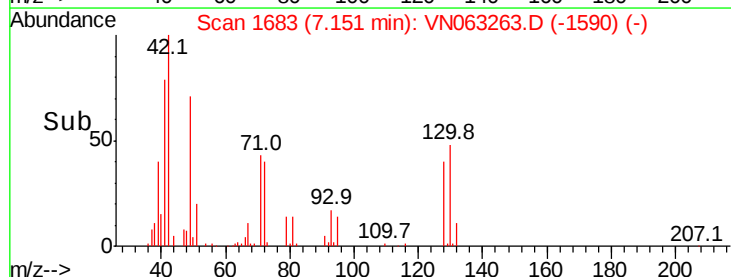
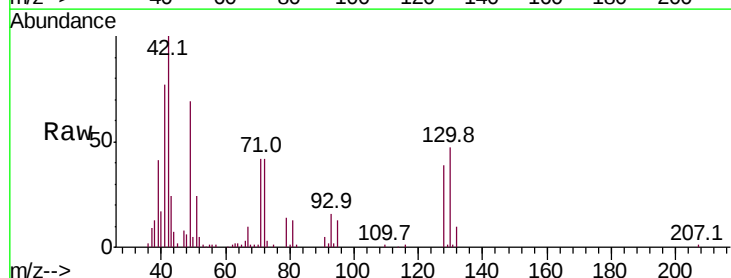
RT: 7.15 min Scan# 1683

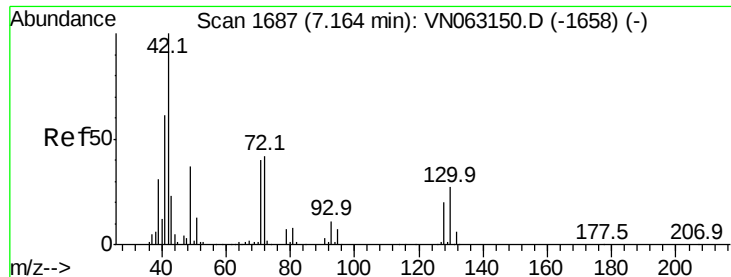
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	49	Resp:	65747
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	70.4	54.4	81.6





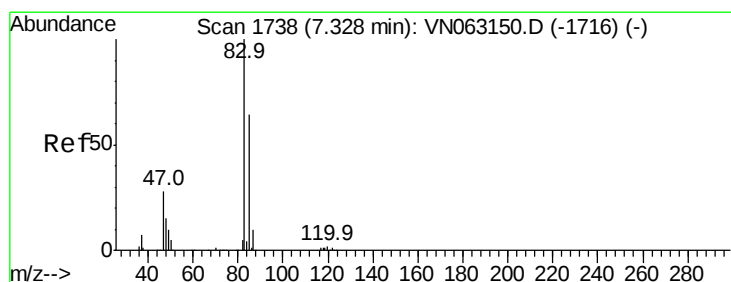
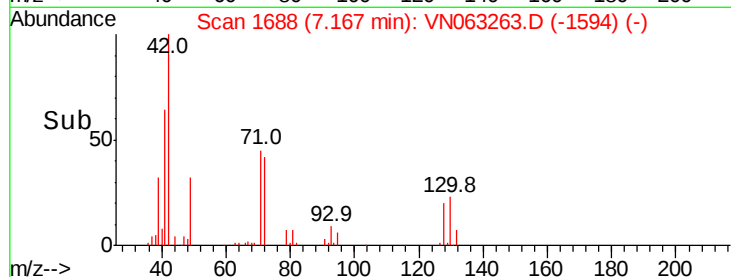
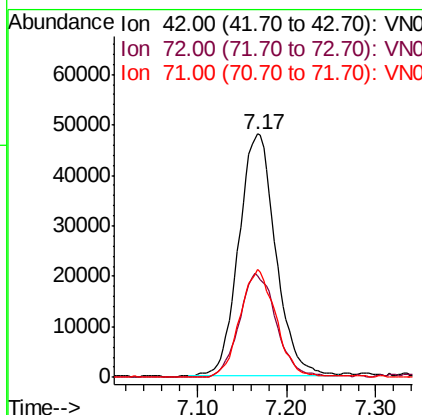
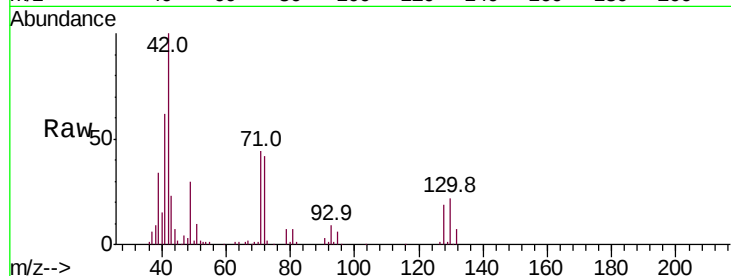
#29
Tetrahydrofuran
Concen: 110.905 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.9	50.9
71	43.7	31.9	47.9

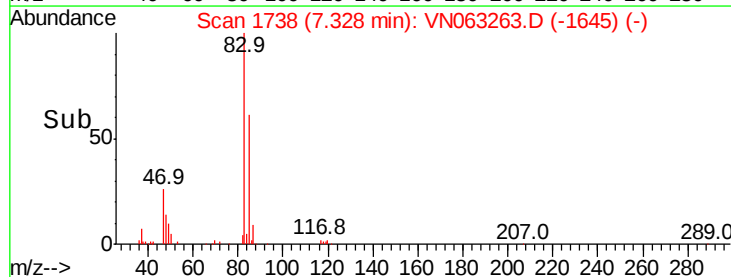
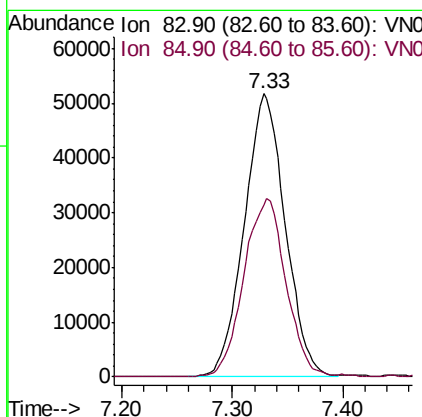
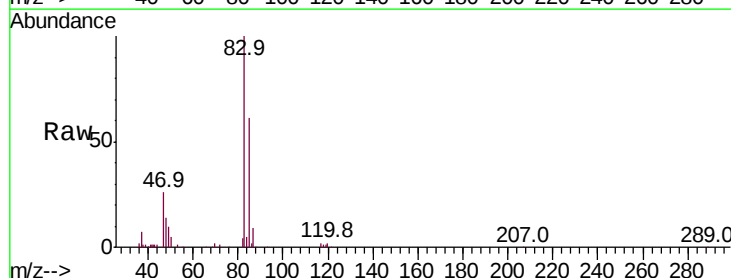
Manual Integrations
APPROVED

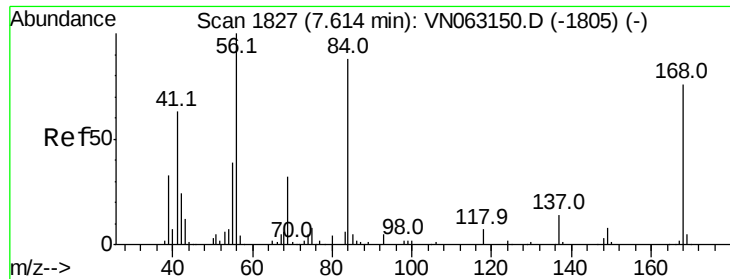
MMDadoda
9/8/2020 1:32:44 PM



#30
Chloroform
Concen: 21.099 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.0	76.6





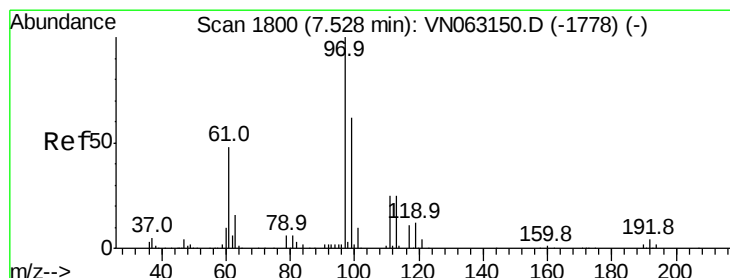
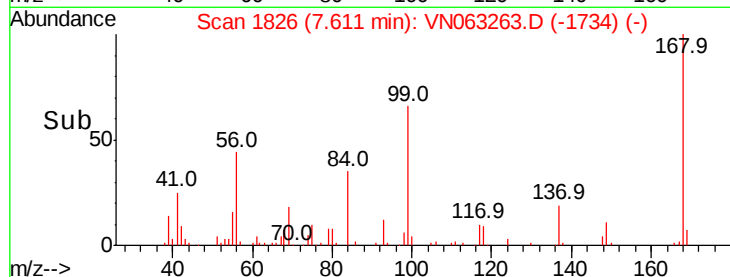
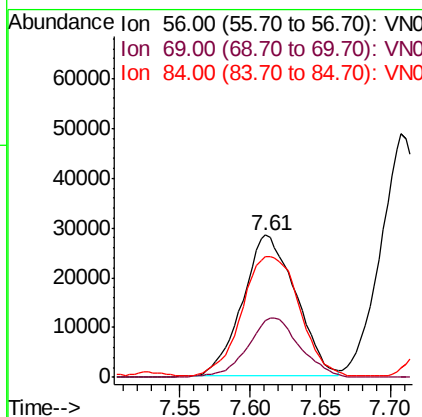
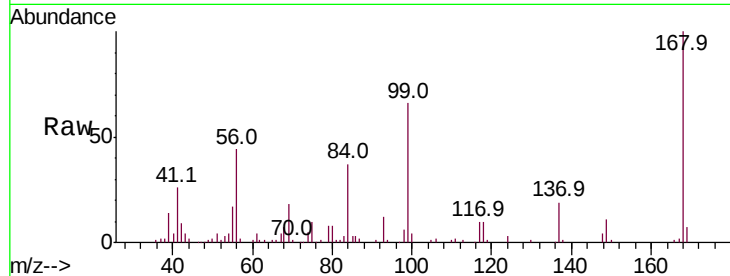
#31
Cyclohexane
Concen: 12.786 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.5	25.4	38.0#
84	85.0	70.2	105.4

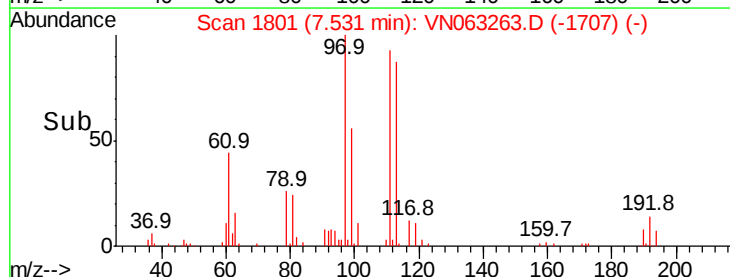
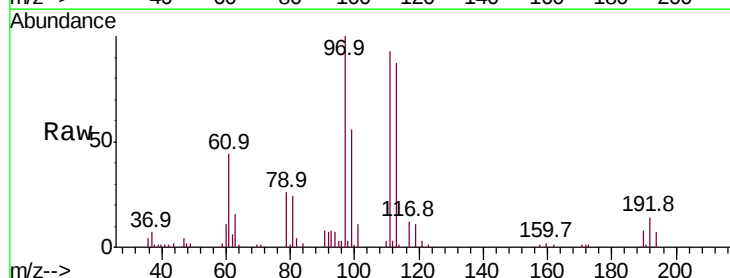
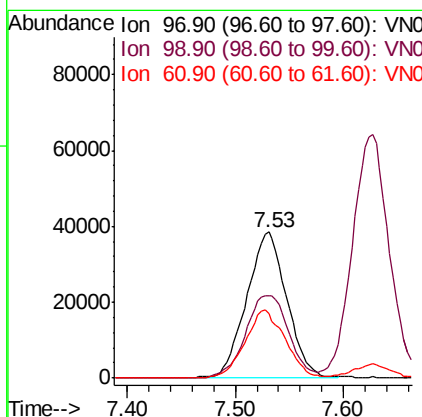
Manual Integrations
APPROVED

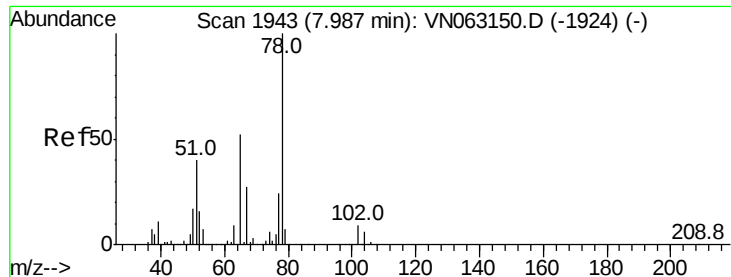
MMDadoda
9/8/2020 1:32:44 PM



#32
1,1,1-Trichloroethane
Concen: 18.262 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.8	50.8	76.2
61	47.0	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 55.027 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 65 Resp: 225019

Ion Ratio Lower Upper

65 100

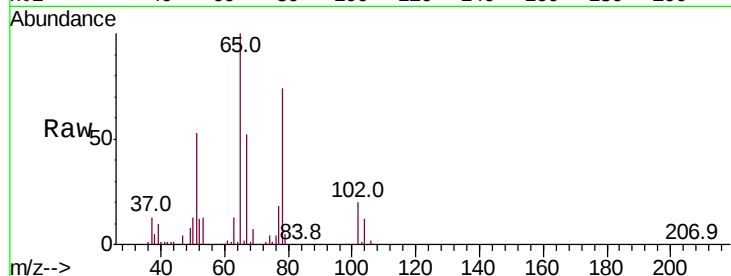
67 51.8 0.0 104.4

Manual Integrations

APPROVED

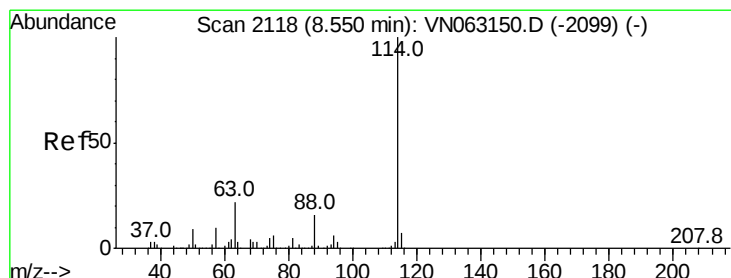
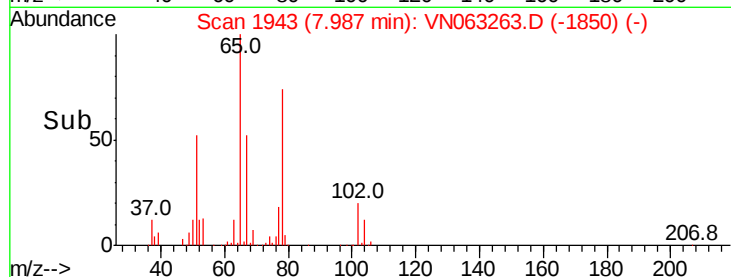
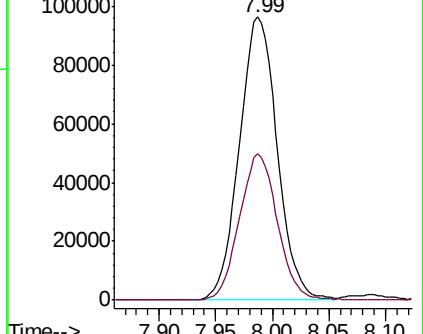
MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

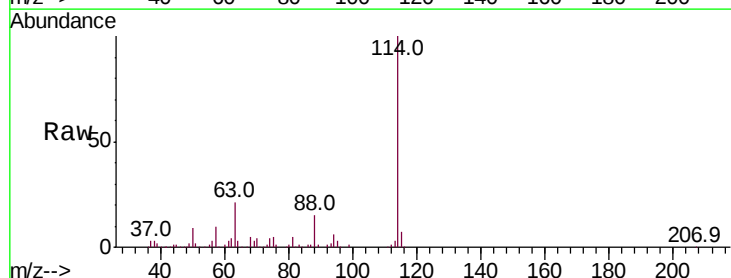
Tgt Ion: 114 Resp: 513062

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

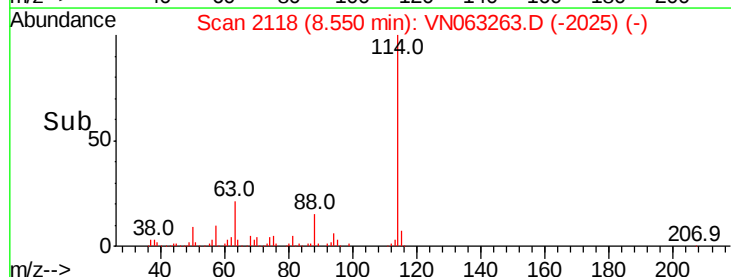
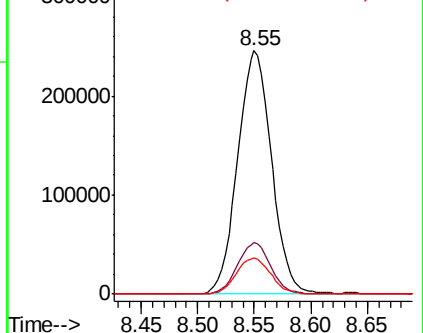
88 14.8 0.0 31.6

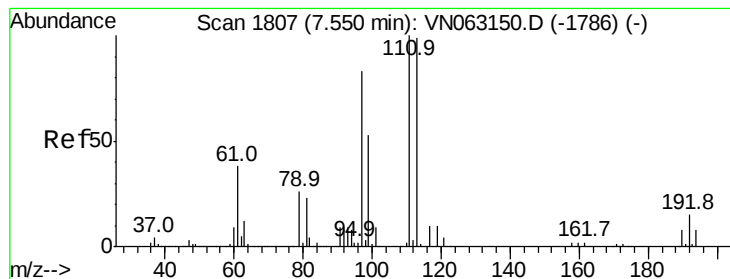


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 49.588 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

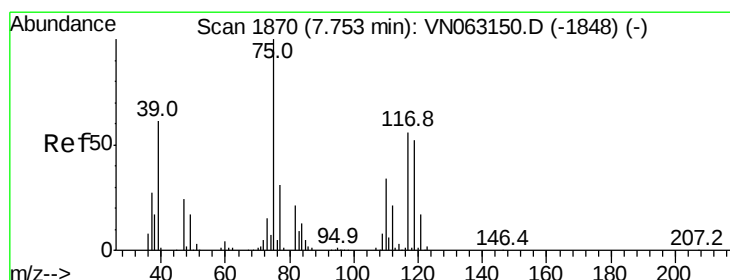
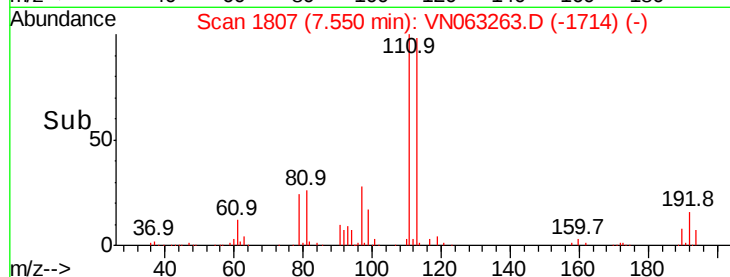
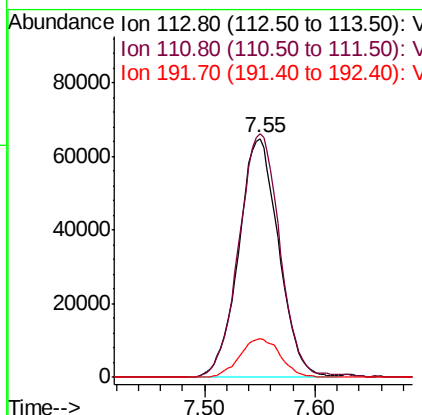
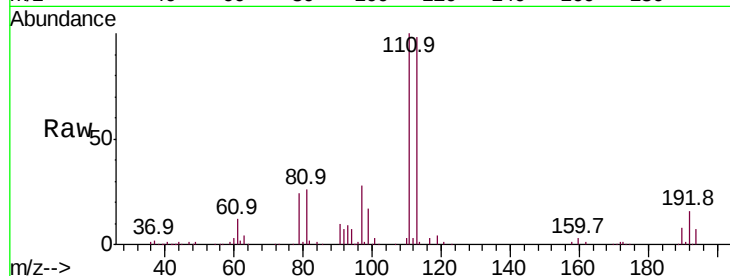
ClientSampleId :

VN0904WBS02

Tot Ion:	113	Resp:	163223
Ion	Ratio	Lower	Upper
113	100		
111	104.5	80.7	121.1
192	16.5	12.6	19.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#36

1,1-Dichloropropene

Concen: 15.885 ug/l

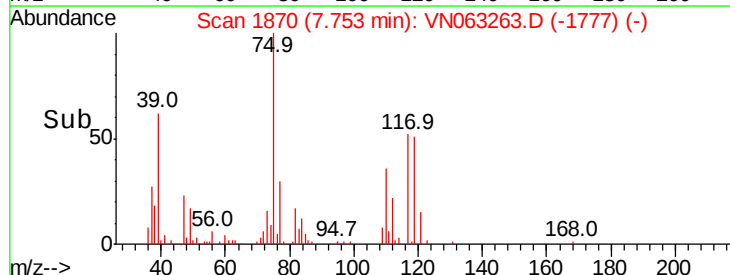
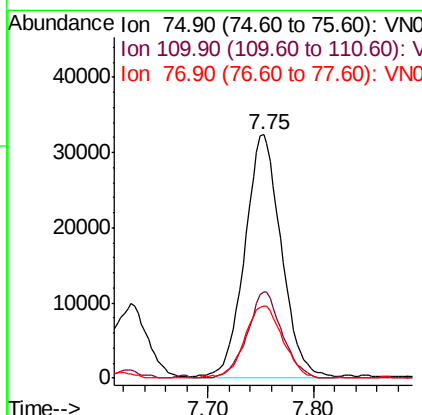
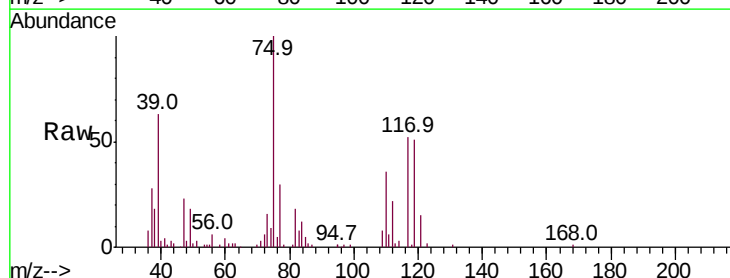
RT: 7.75 min Scan# 1870

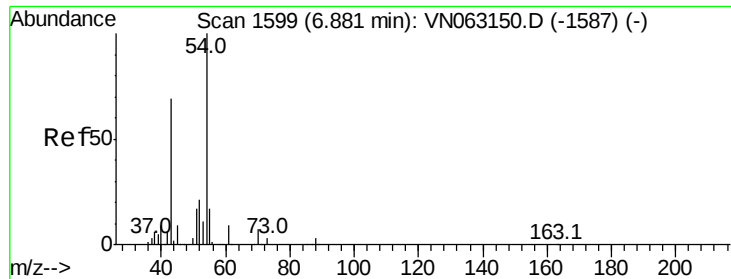
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	75	Resp:	78352
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	30.7	25.4	38.2





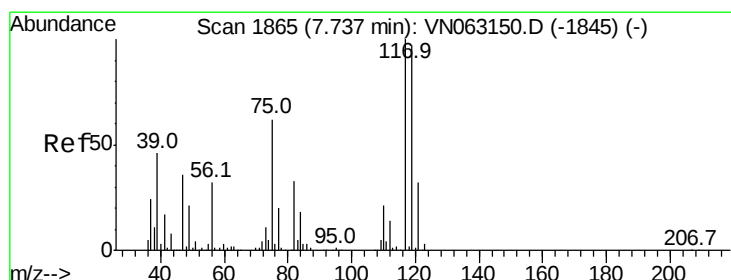
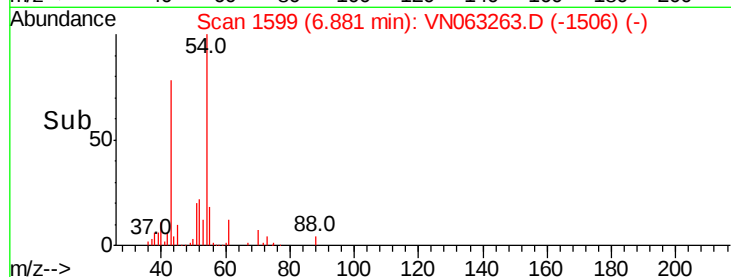
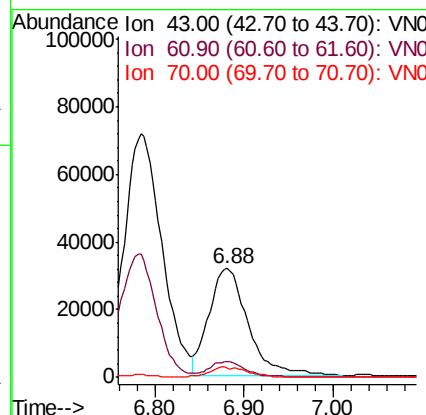
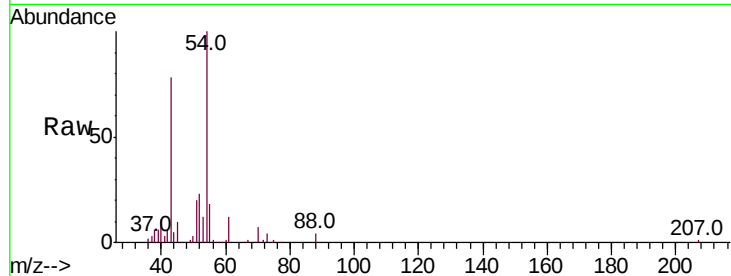
#37
Ethyl Acetate
Concen: 21.338 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleID :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.4
70	4.8	3.0	4.6#

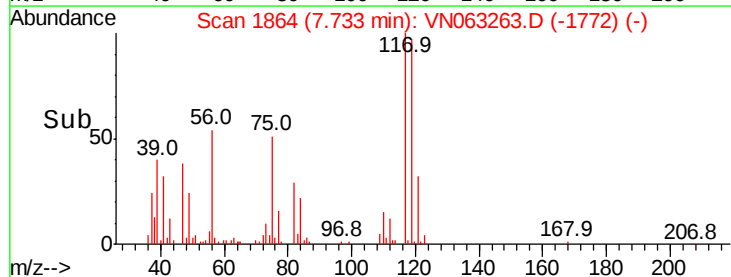
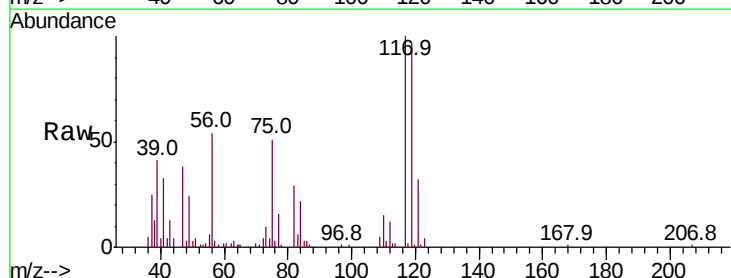
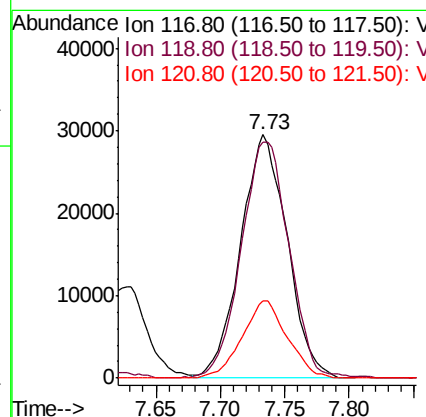
Manual Integrations
APPROVED

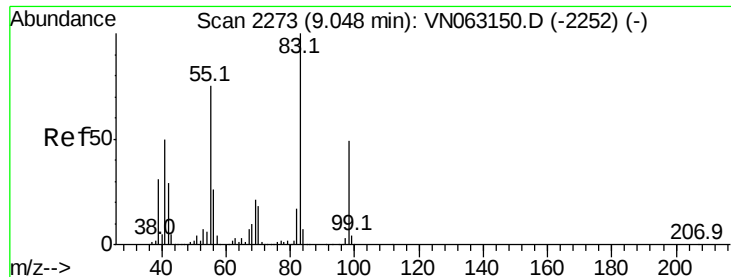
MMDadoda
9/8/2020 1:32:44 PM



#38
Carbon Tetrachloride
Concen: 14.846 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	31.9	25.6	38.4





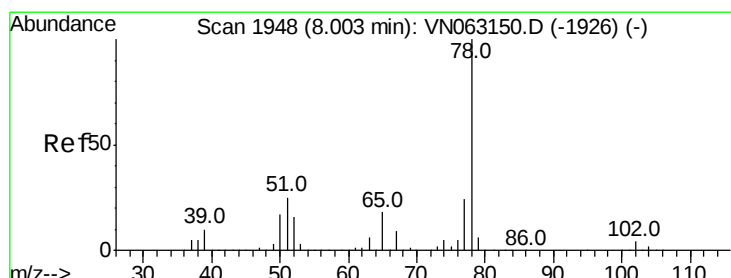
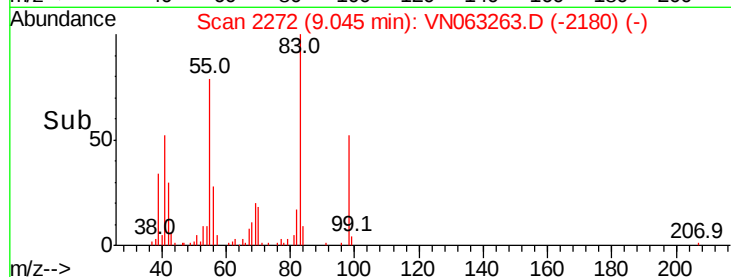
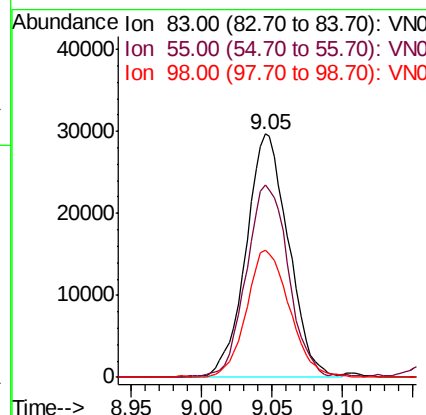
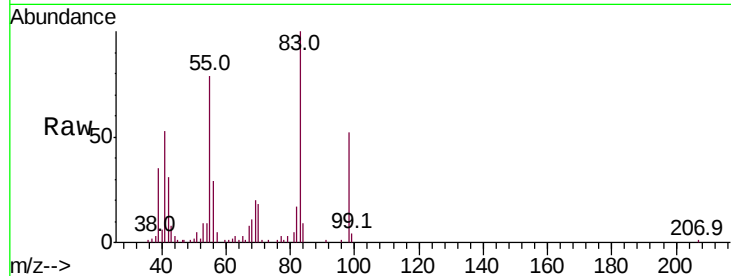
#39
Methvlcvclohexane
Concen: 11.259 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	60.3	90.5
98	52.0	38.9	58.3

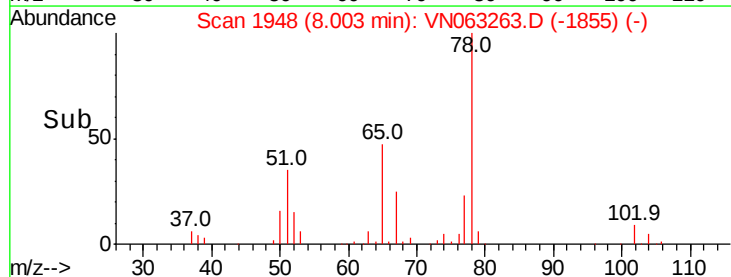
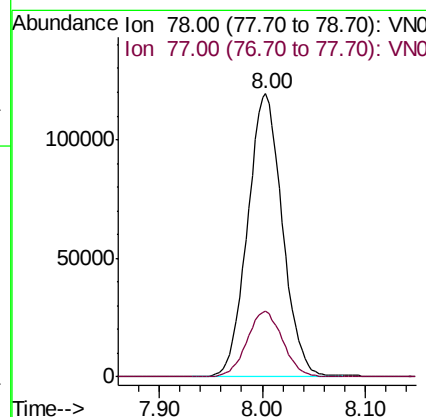
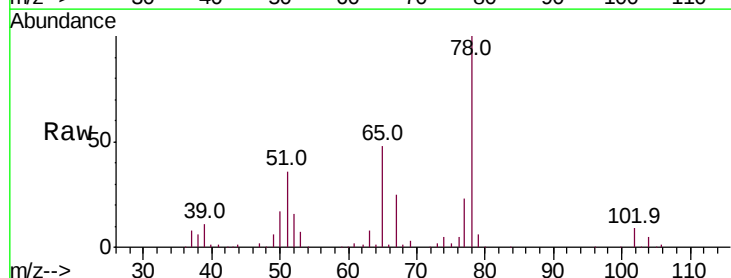
Manual Integrations
APPROVED

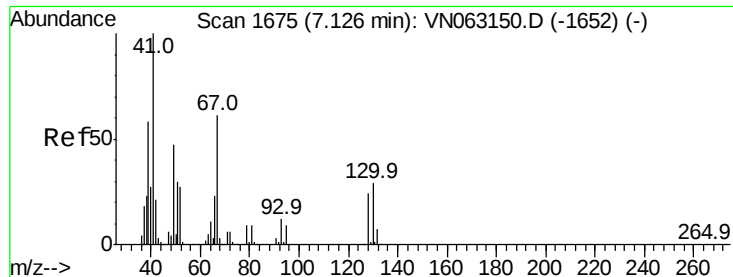
MMDadoda
9/8/2020 1:32:44 PM



#40
Benzene
Concen: 19.295 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9





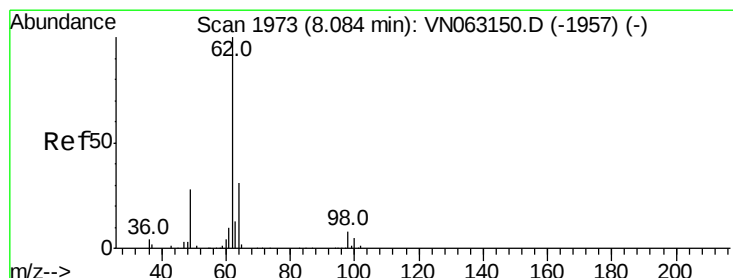
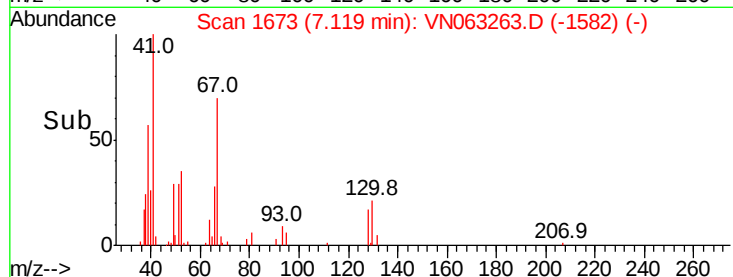
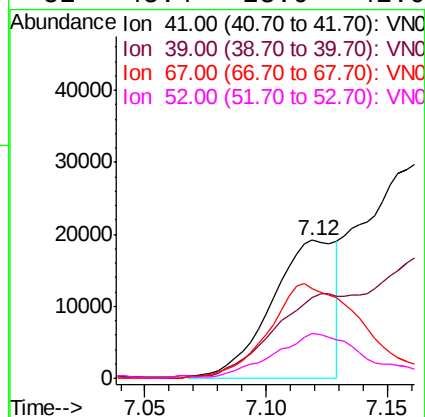
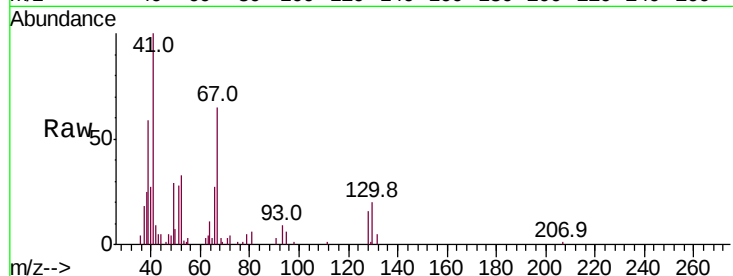
#41
Methacrylonitrile
Concen: 17.103 ug/l m
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	46.6	70.0
67	102.4	62.6	94.0#
52	45.4	28.0	42.0#

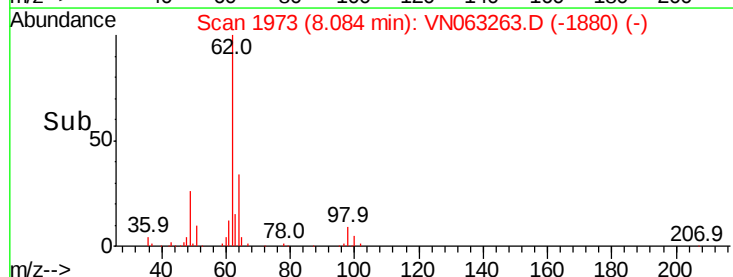
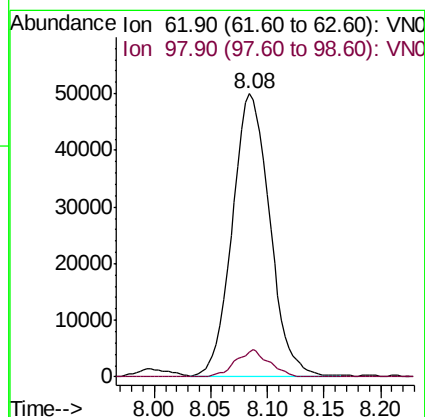
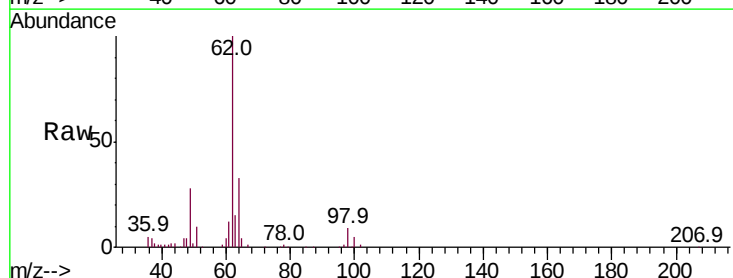
Manual Integrations
APPROVED

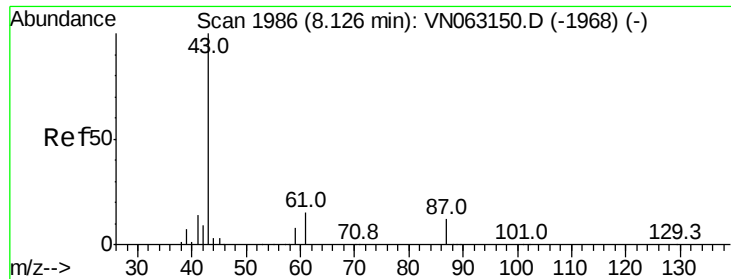
MMDadoda
9/8/2020 1:32:44 PM



#42
1,2-Dichloroethane
Concen: 21.182 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 20.048 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

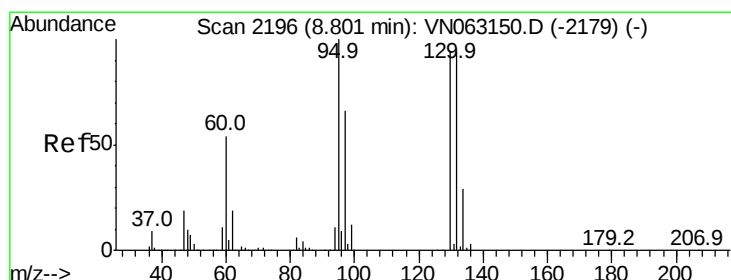
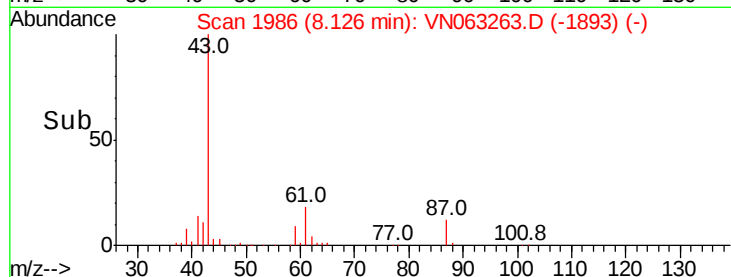
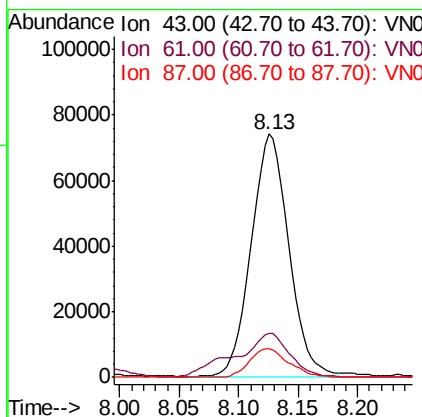
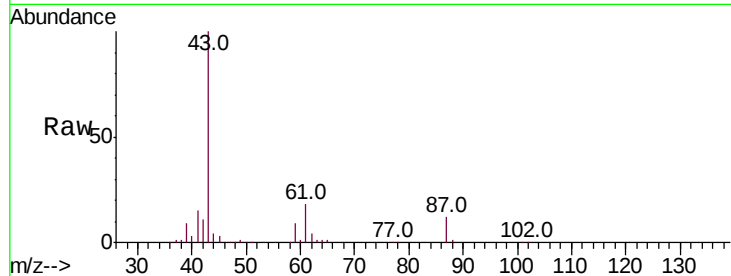
ClientSampleId :

VN0904WBS02

Tot Ion:	43	Resp:	161260
Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.2	30.4
87	12.6	9.8	14.6

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#44

Trichloroethene

Concen: 19.252 ug/l

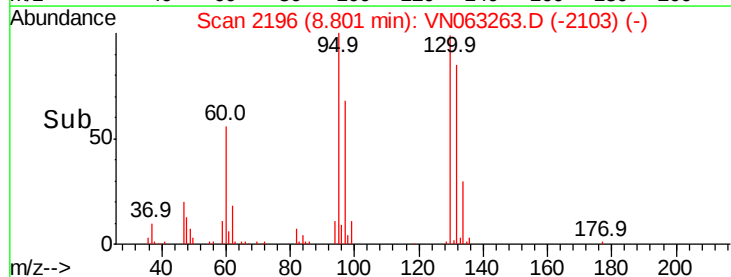
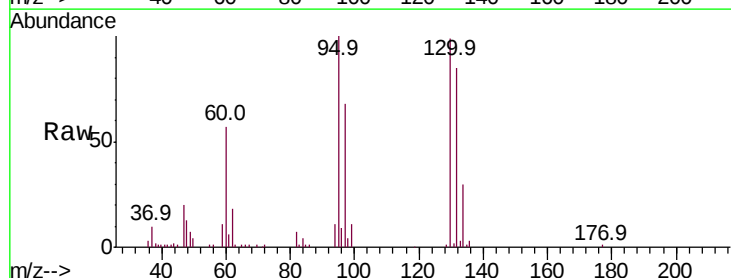
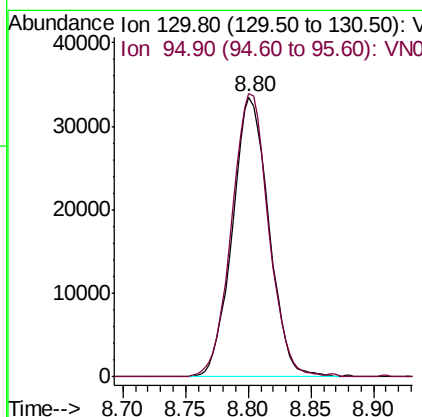
RT: 8.80 min Scan# 2196

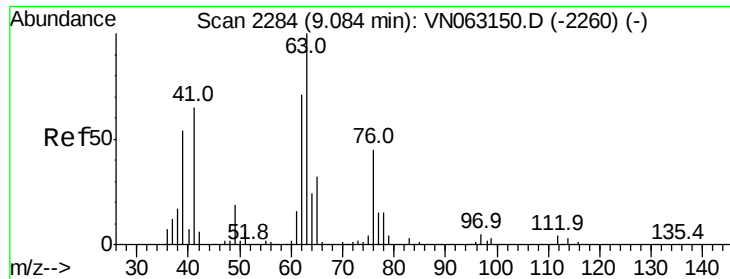
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	130	Resp:	67685
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	212.0





#45

1,2-Dichloropropane

Concen: 19.246 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS02

Tot Ion: 63 Resp: 73859

Ion Ratio Lower Upper

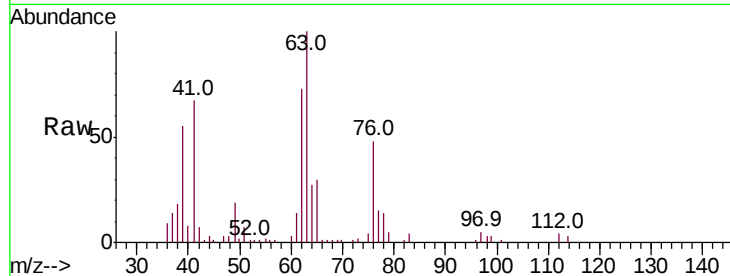
63 100

65 30.0 25.4 38.0

Manual Integrations
APPROVED

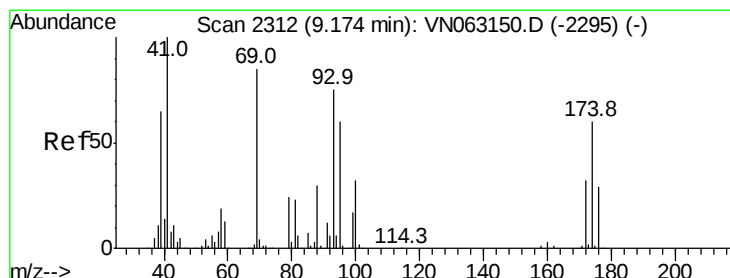
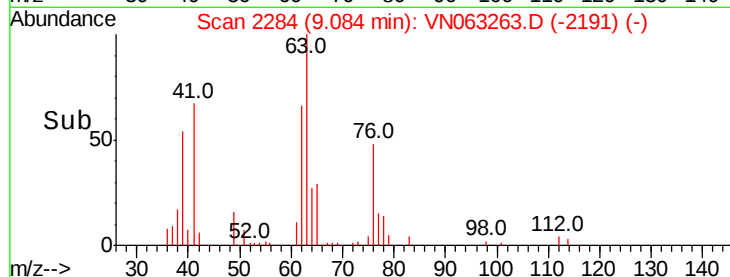
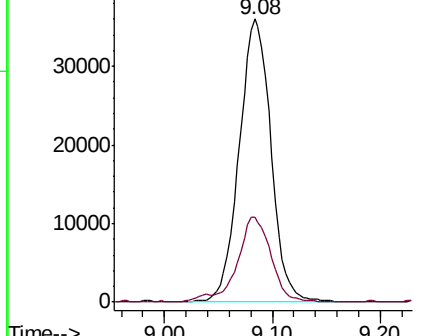
MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.111 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

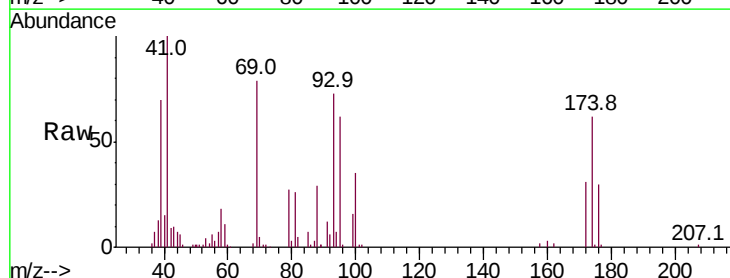
Tgt Ion: 93 Resp: 53688

Ion Ratio Lower Upper

93 100

95 82.7 65.2 97.8

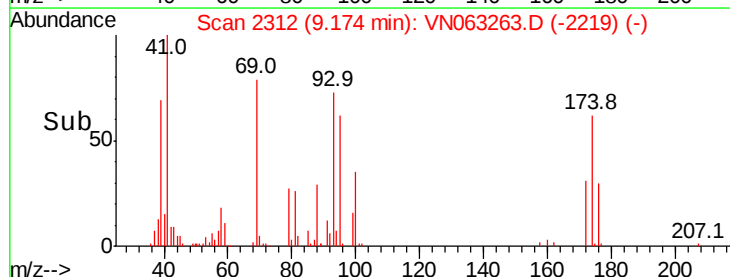
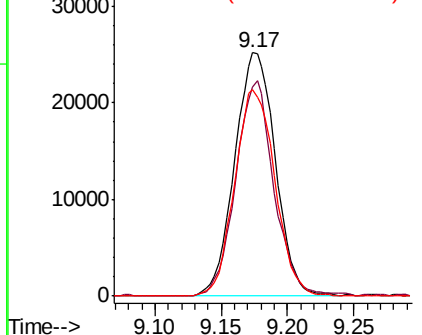
174 84.0 64.6 97.0

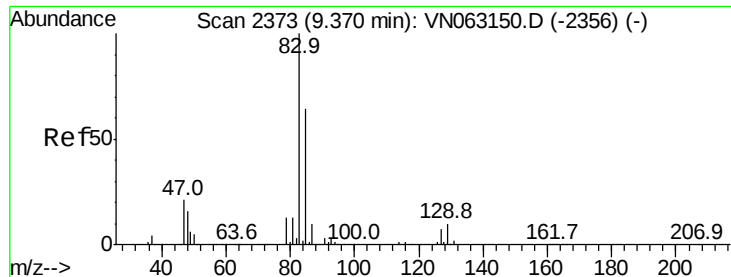


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.819 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

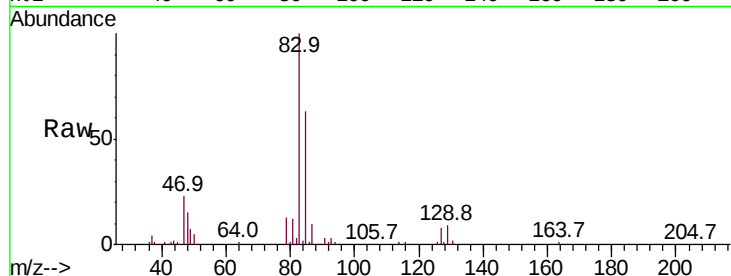
ClientSampleId :

VN0904WBS02

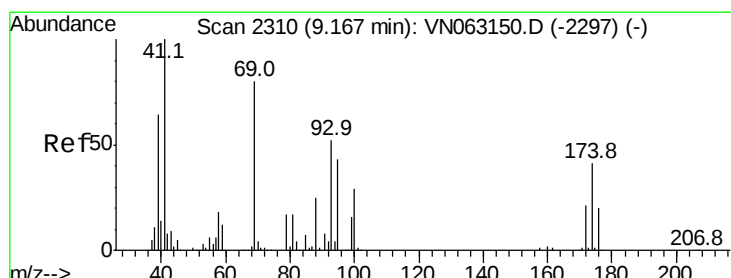
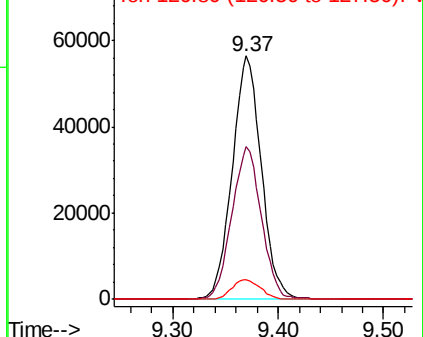
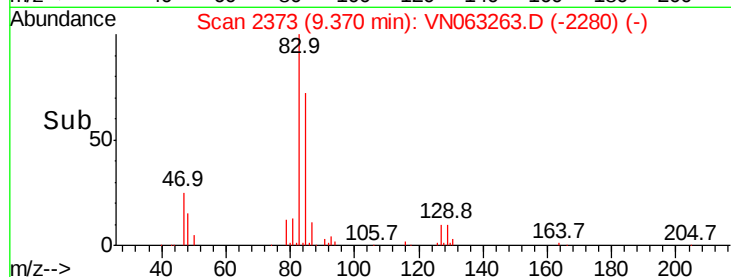
Tot Ion:	83	Resp:	108037
Ion Ratio	Lower	Upper	
83	100		
85	62.7	51.0	76.6
127	8.3	5.7	8.5

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063263.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.064 ug/l

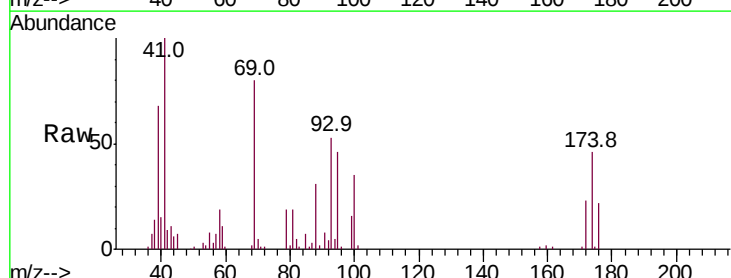
RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

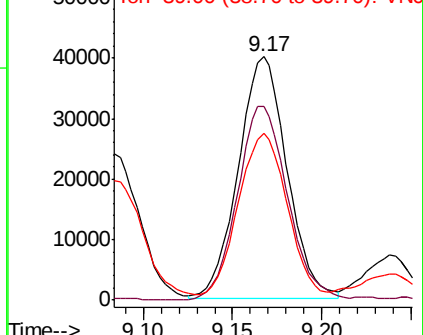
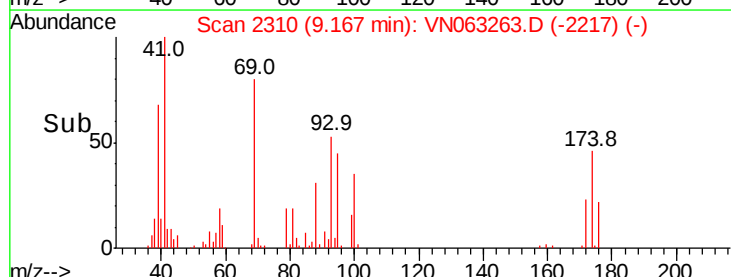
Lab File: VN063263.D

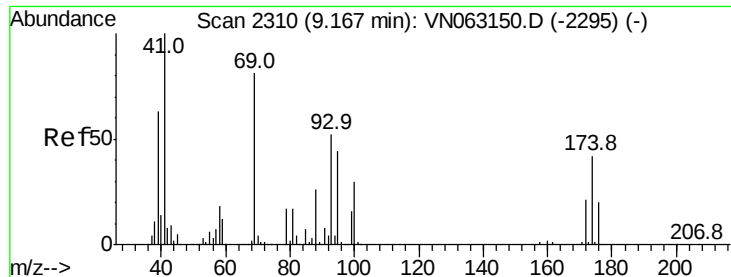
Acq: 5 Sep 2020 2:48

Tgt Ion:	41	Resp:	76382
Ion Ratio	Lower	Upper	
41	100		
69	82.5	65.9	98.9
39	68.7	52.0	78.0



Abundance Ion 41.00 (40.70 to 41.70): VN063263.D (-2217) (-)





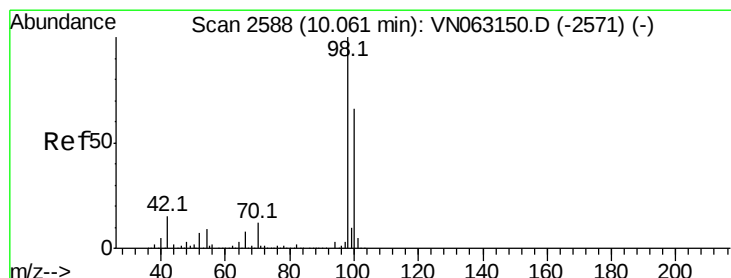
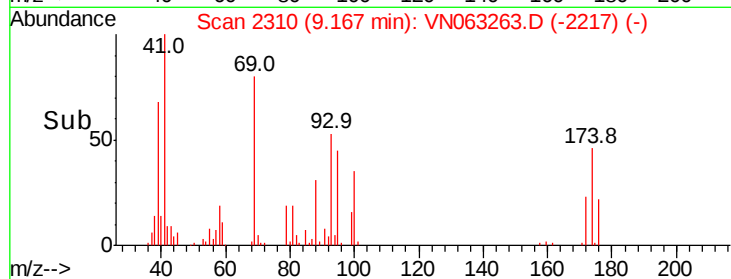
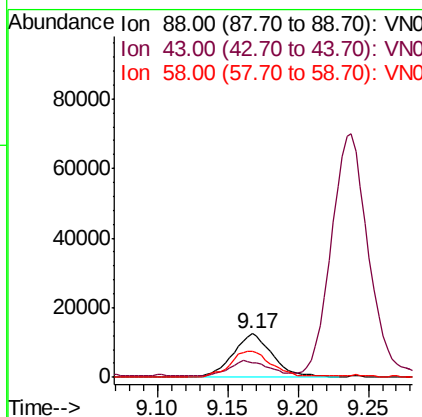
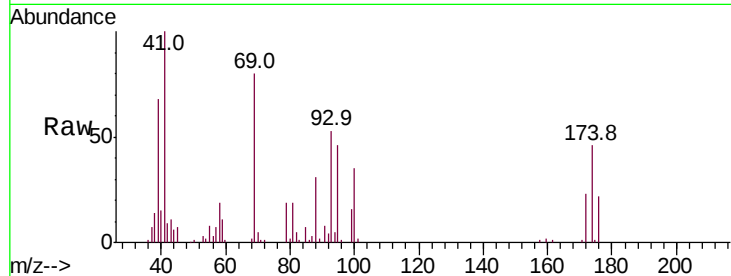
#49
 1,4-Dioxane
 Concen: 442.494 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	28.6	42.8
58	62.3	53.2	79.8

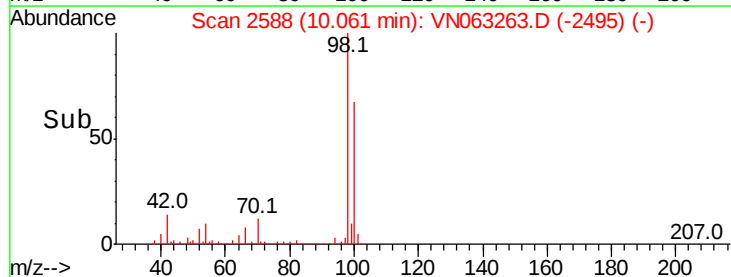
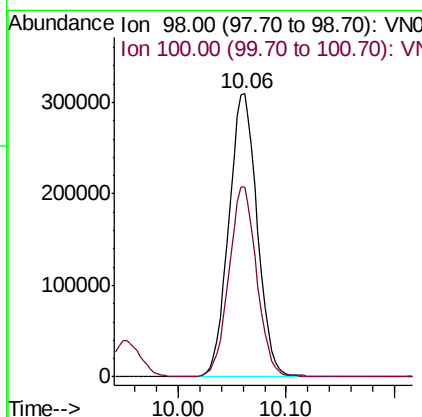
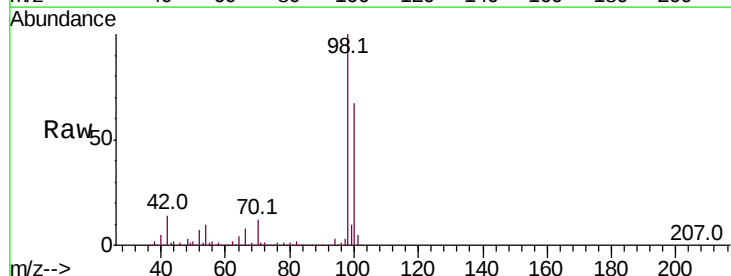
Manual Integrations
 APPROVED

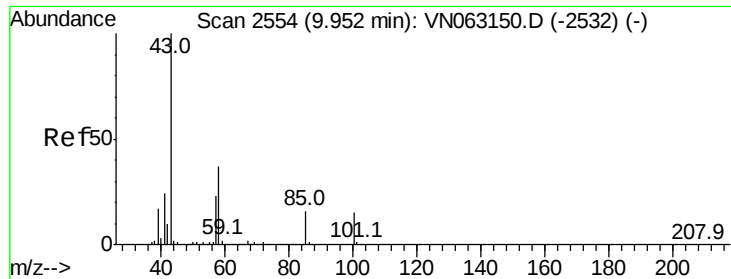
MMDadoda
 9/8/2020 1:32:44 PM



#50
 Toluene-d8
 Concen: 44.980 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





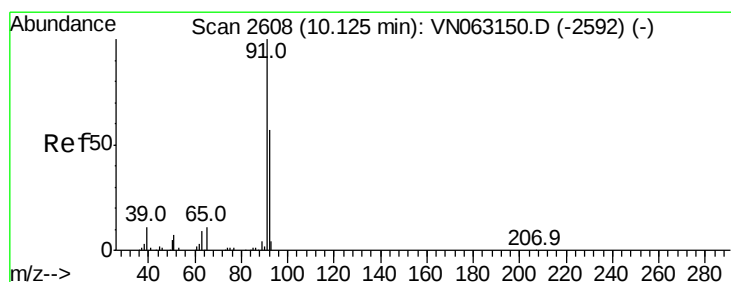
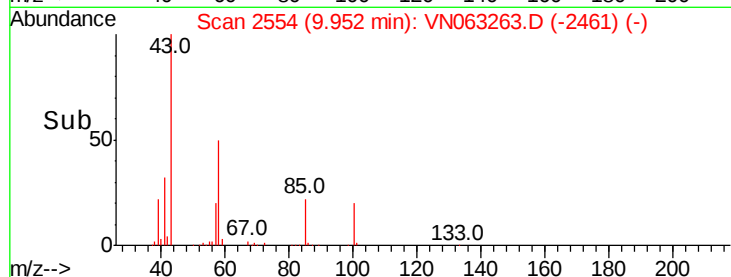
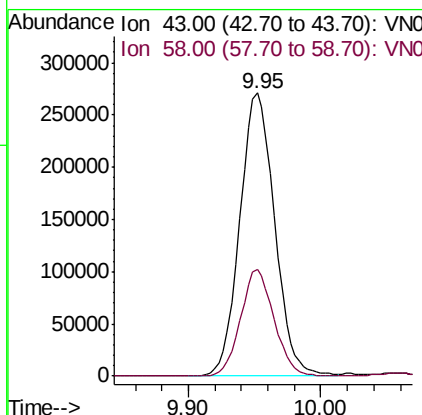
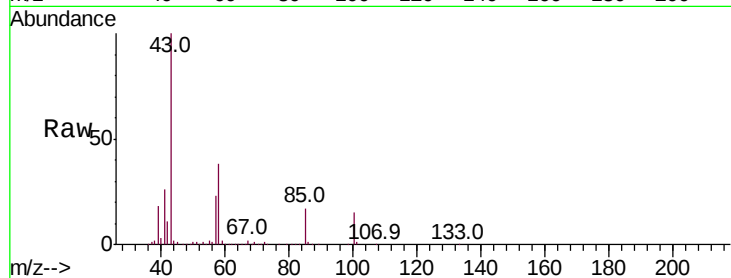
#51
4-Methyl-2-Pentanone
Concen: 113.029 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.2	43.8

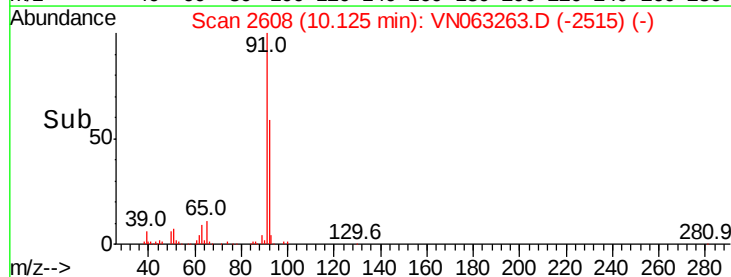
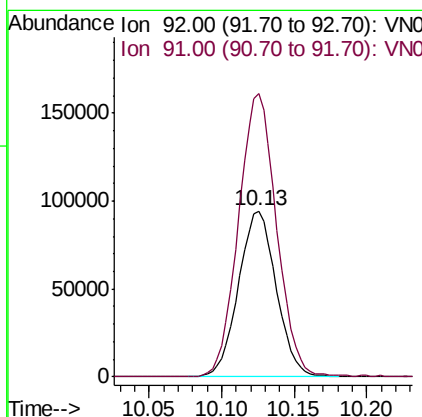
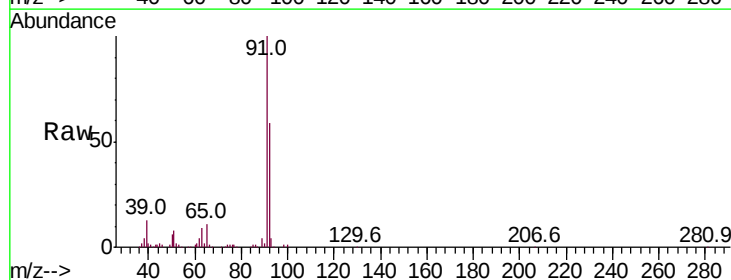
Manual Integrations
APPROVED

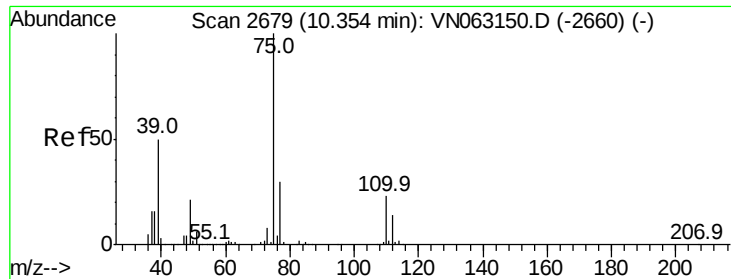
MMDadoda
9/8/2020 1:32:44 PM



#52
Toluene
Concen: 18.904 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	141.2	211.8





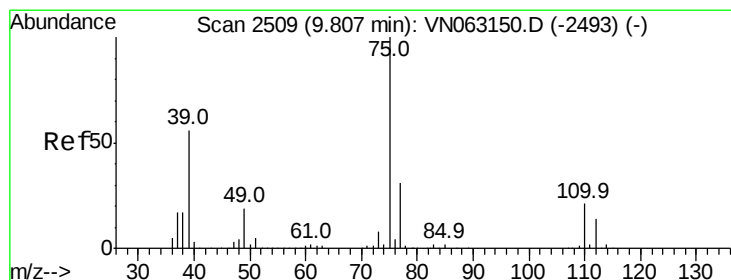
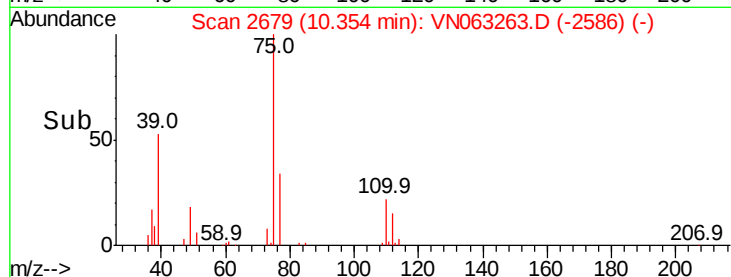
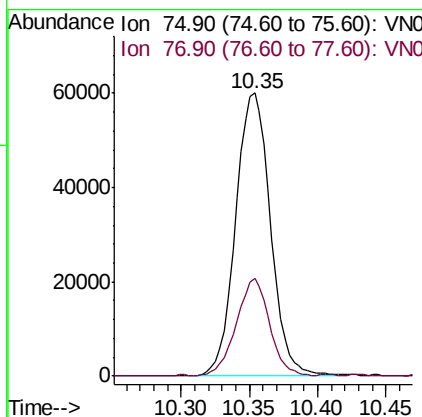
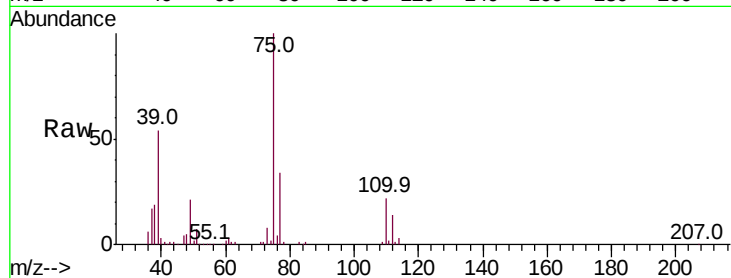
#53
t-1,3-Dichloropropene
Concen: 17.906 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion: 75 Resp: 106769
Ion Ratio Lower Upper
75 100
77 34.0 24.2 36.2

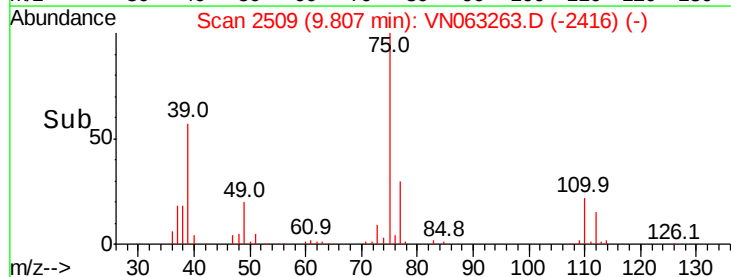
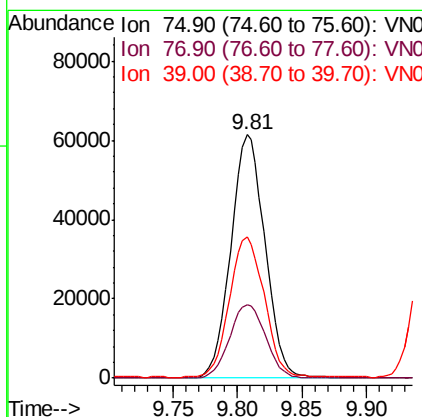
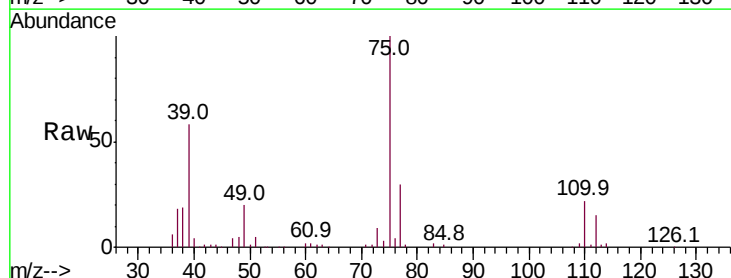
Manual Integrations
APPROVED

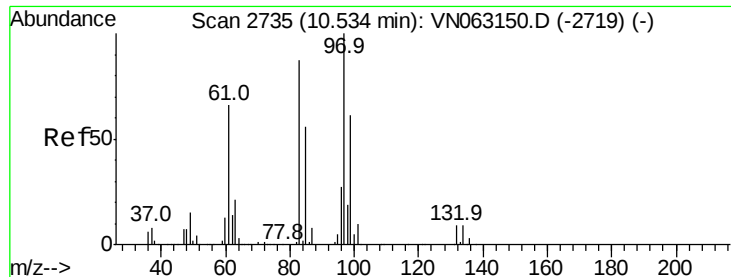
MMDadoda
9/8/2020 1:32:44 PM



#54
cis-1,3-Dichloropropene
Concen: 18.068 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion: 75 Resp: 113090
Ion Ratio Lower Upper
75 100
77 30.1 24.8 37.2
39 57.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 21.577 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

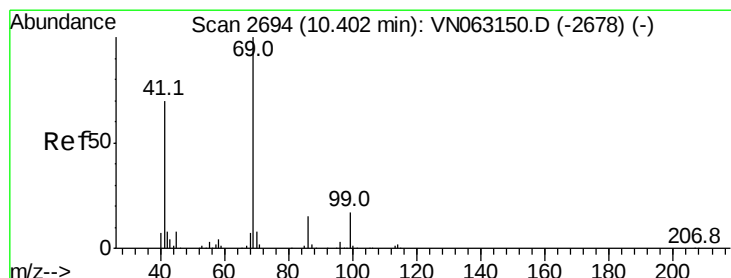
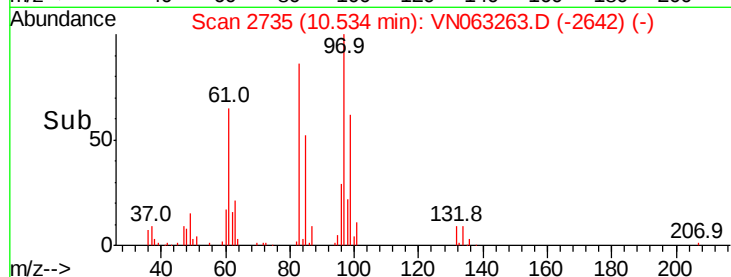
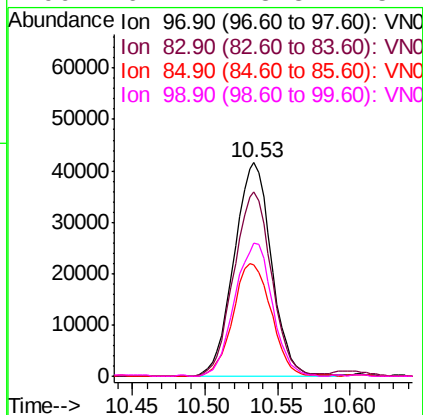
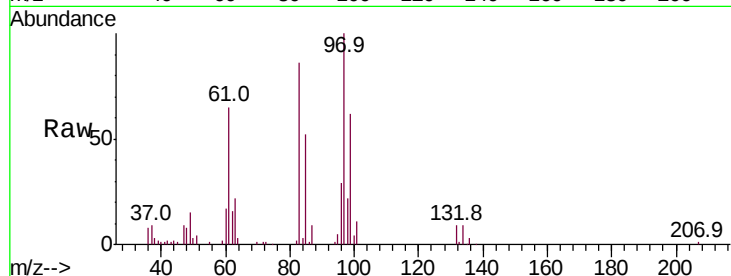
ClientSampleId :

VN0904WBS02

Tot Ion:	97	Resp:	74610
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.8	104.8
85	52.4	44.9	67.3
99	62.1	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#56

Ethyl methacrylate

Concen: 20.233 ug/l

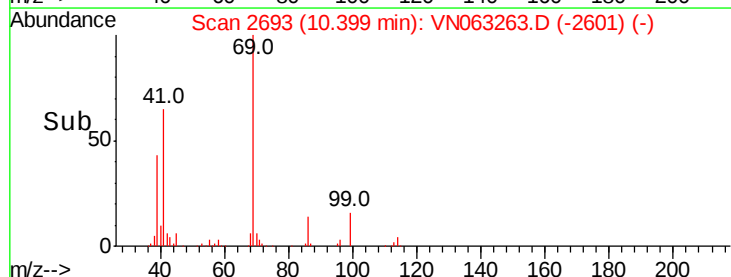
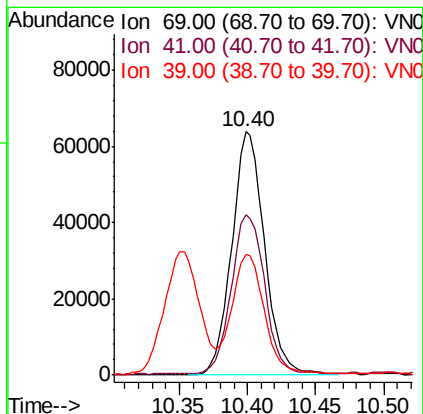
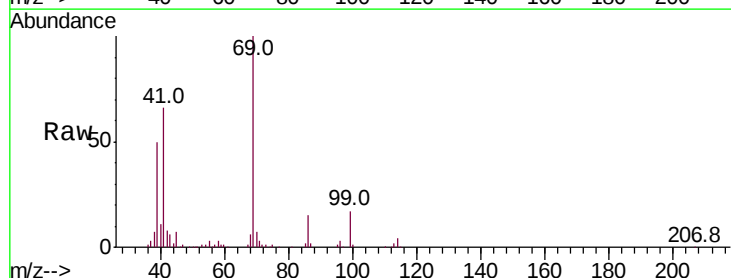
RT: 10.40 min Scan# 2693

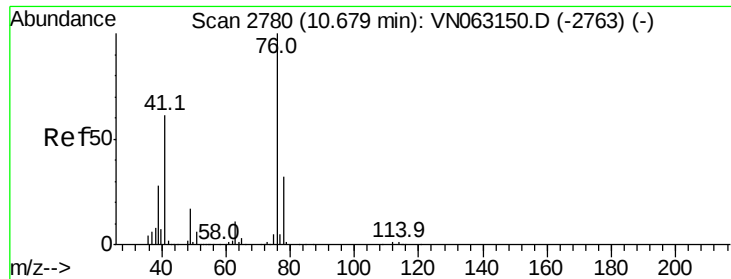
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	69	Resp:	106474
Ion	Ratio	Lower	Upper
69	100		
41	66.2	55.5	83.3
39	49.3	38.2	57.2





#57

1,3-Dichloropropane

Concen: 21.060 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 76 Resp: 129728

Ion Ratio Lower Upper

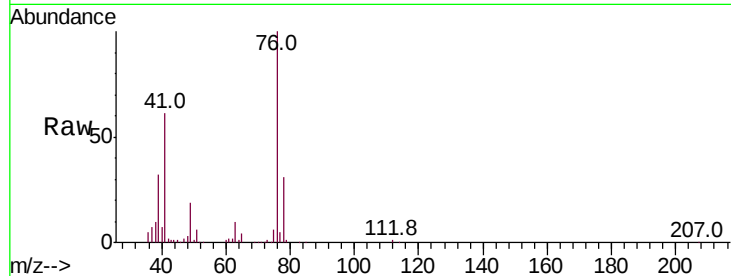
76 100

78 30.9 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

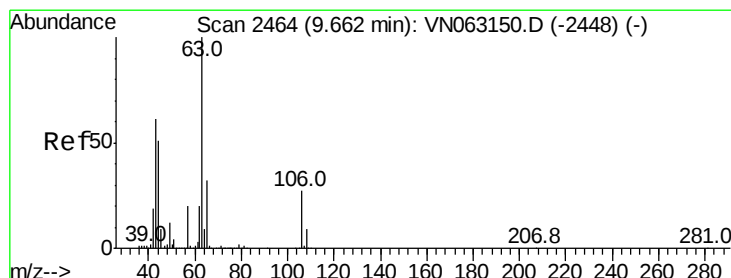
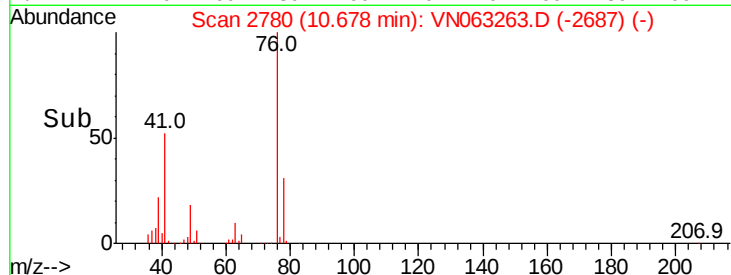
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.528 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063263.D

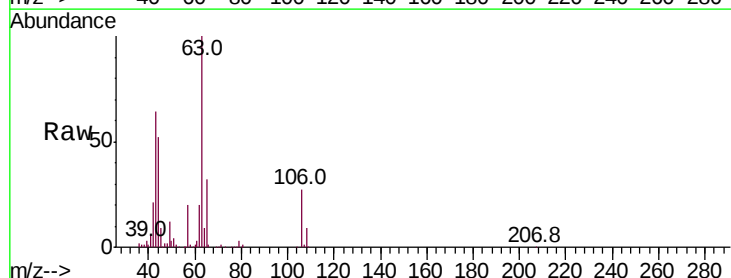
Acq: 5 Sep 2020 2:48

Tgt Ion: 63 Resp: 257591

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

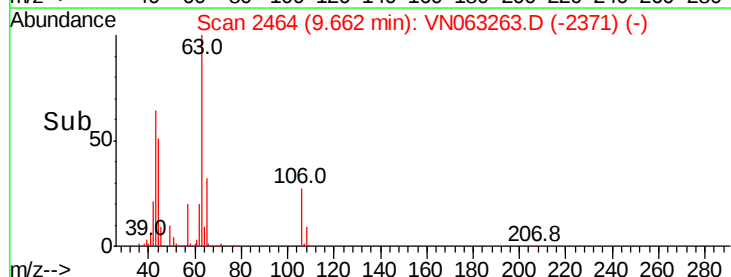
150000

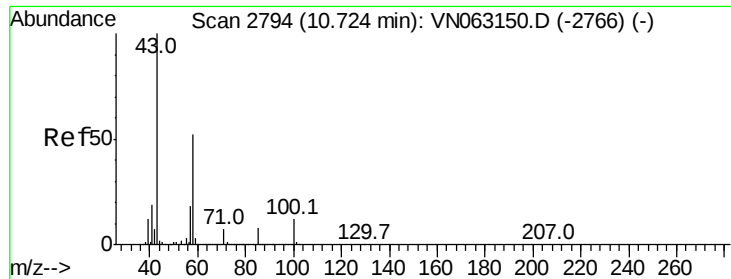
100000

50000

0

Time-->





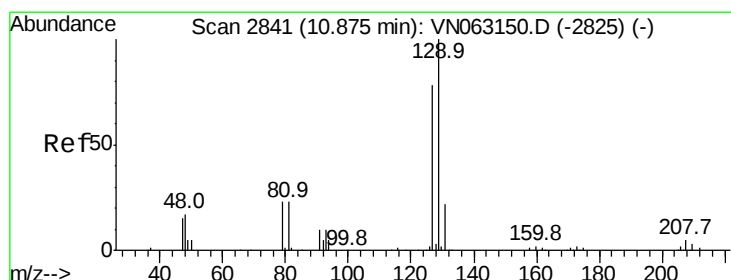
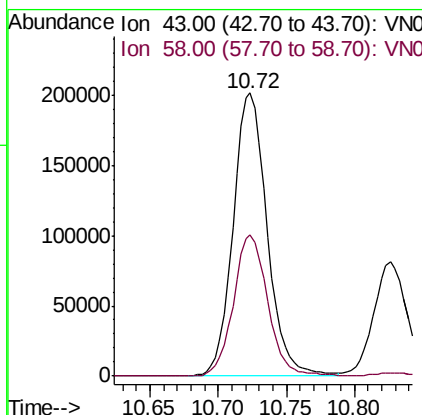
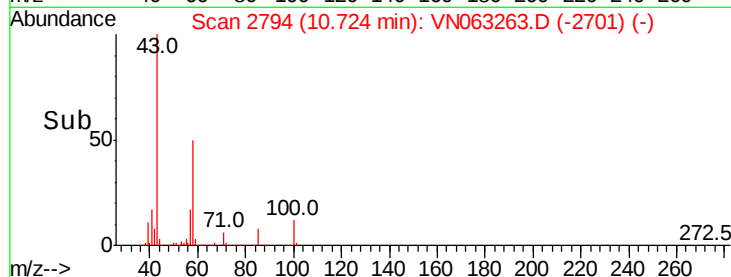
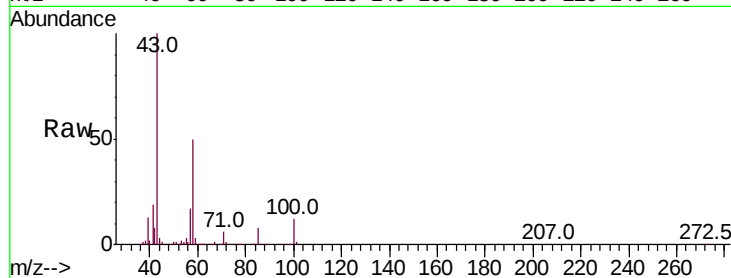
#59
2-Hexanone
Concen: 112.652 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion: 43 Resp: 346060
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.8

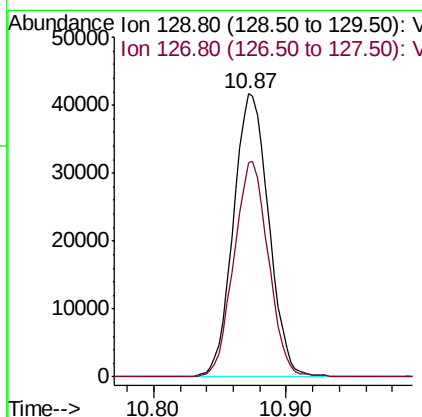
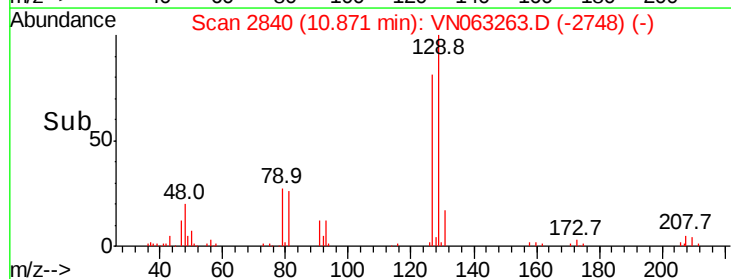
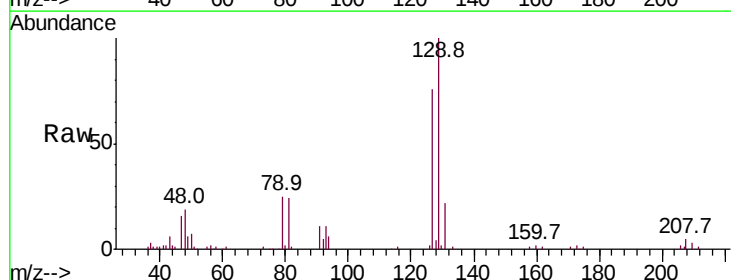
Manual Integrations
APPROVED

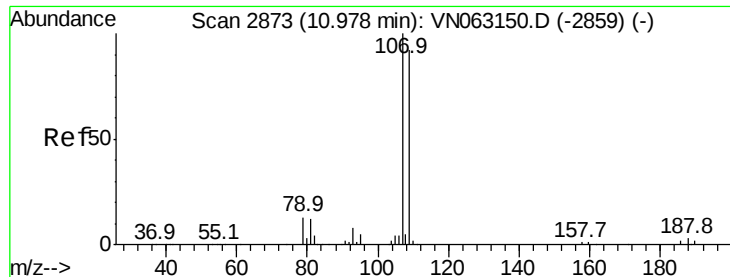
MMDadoda
9/8/2020 1:32:44 PM



#60
Dibromochloromethane
Concen: 20.189 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion: 129 Resp: 77181
Ion Ratio Lower Upper
129 100
127 74.3 39.0 117.0





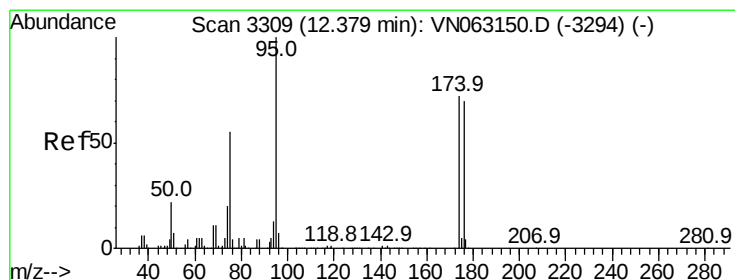
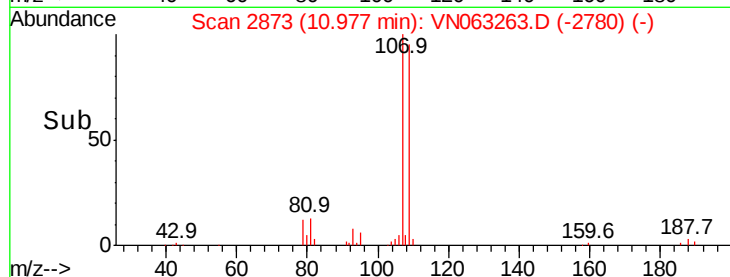
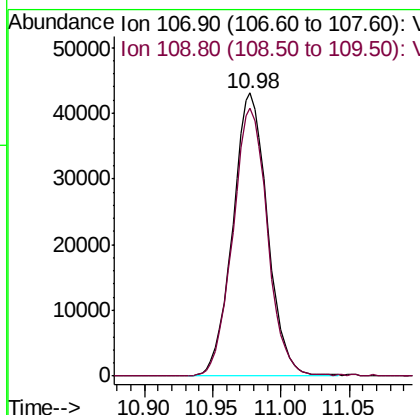
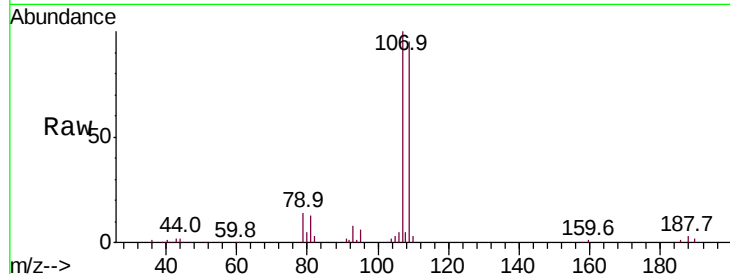
#61
 1,2-Dibromoethane
 Concen: 21.194 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	73.4	110.0

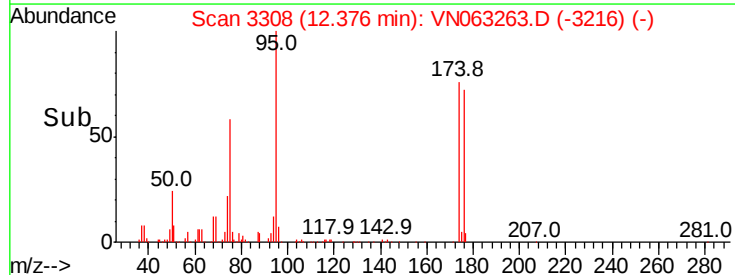
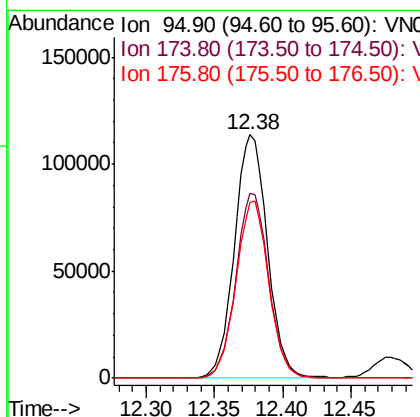
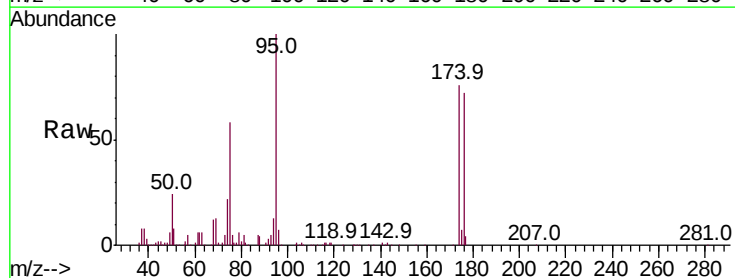
Manual Integrations
 APPROVED

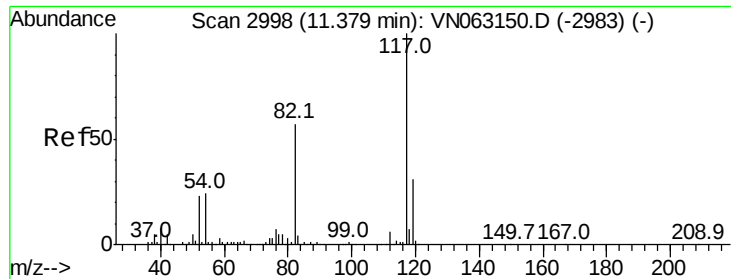
MMDadoda
 9/8/2020 1:32:44 PM



#62
 4-Bromofluorobenzene
 Concen: 43.096 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	143.8
176	71.9	0.0	138.4





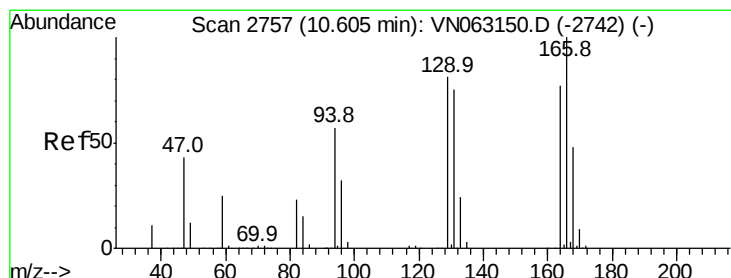
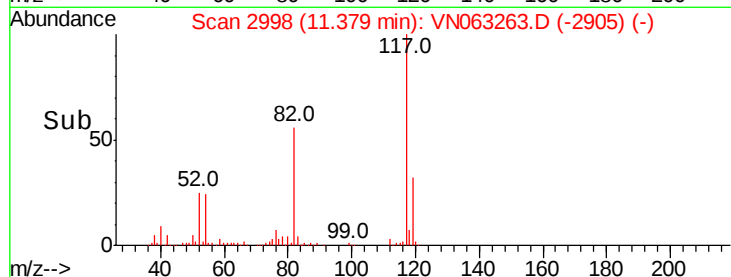
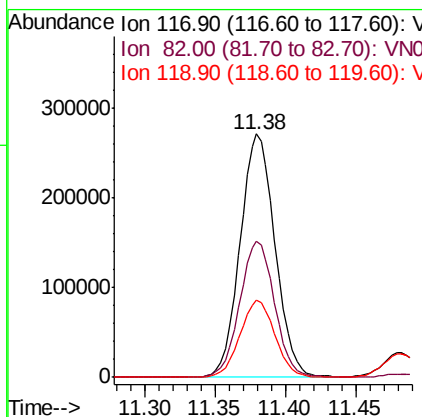
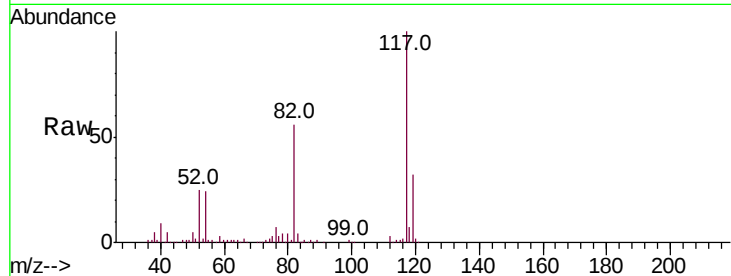
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.4	68.0
119	31.7	24.6	37.0

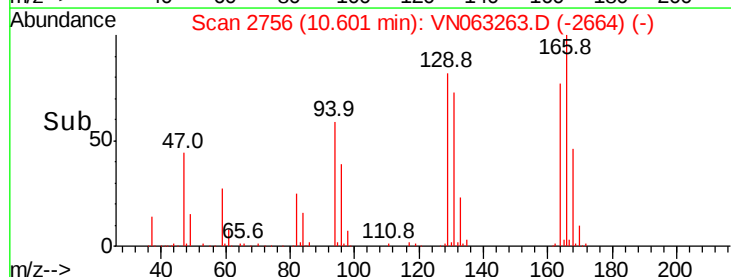
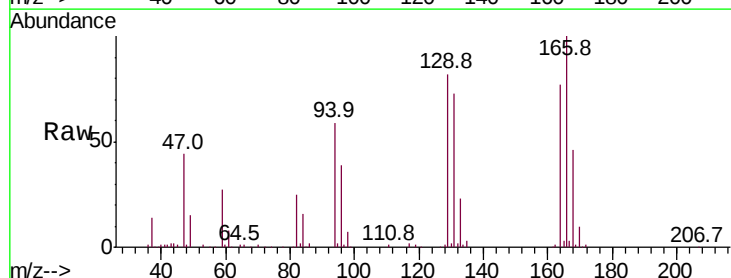
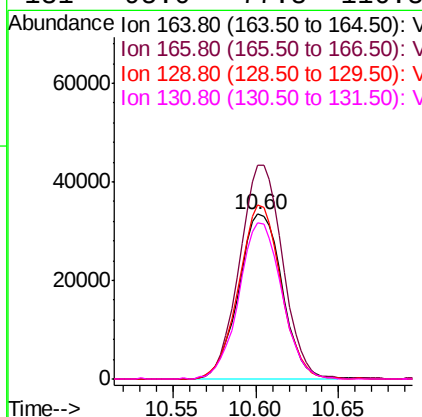
Manual Integrations
APPROVED

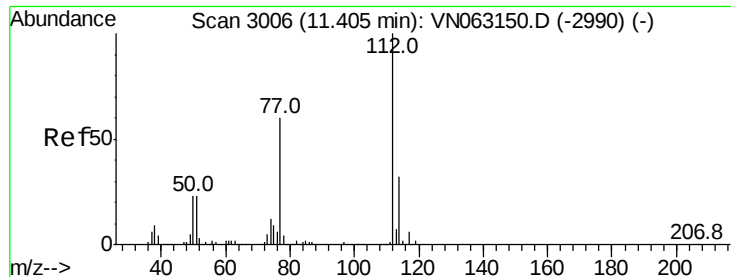
MMDadoda
9/8/2020 1:32:44 PM



#64
Tetrachloroethene
Concen: 18.137 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.4	155.2
129	106.1	83.4	125.0
131	95.0	77.8	116.8





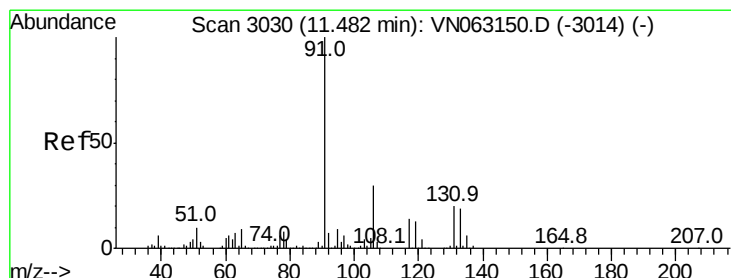
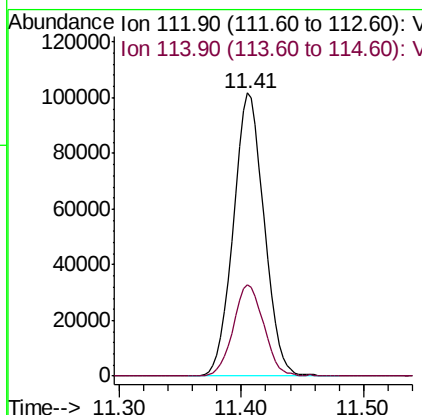
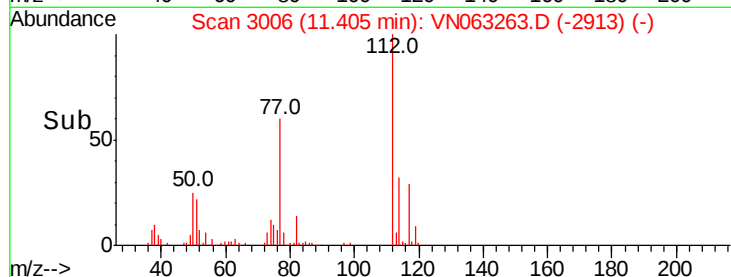
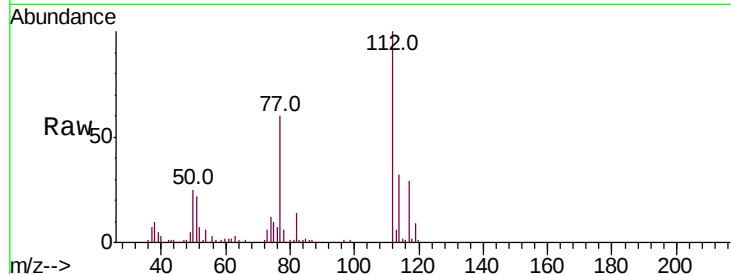
#65
Chlorobenzene
Concen: 18.766 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	177954		
114	32.4	25.2	37.8	

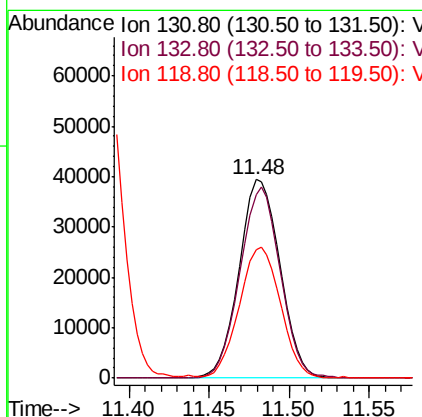
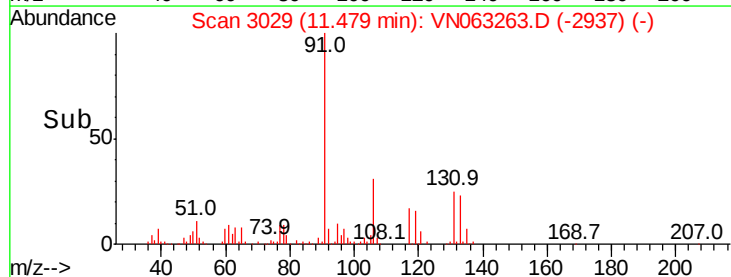
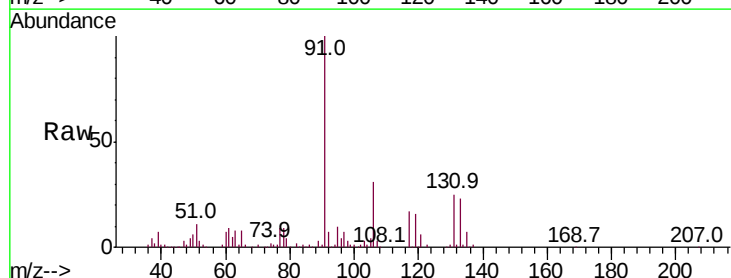
Manual Integrations
APPROVED

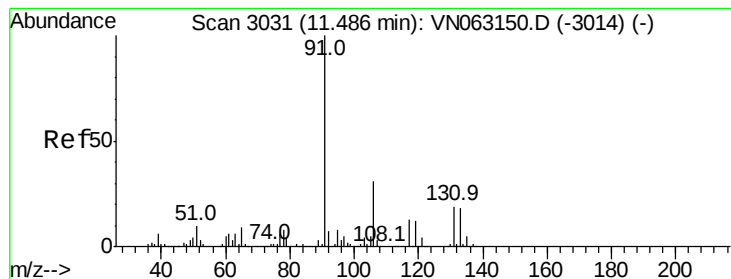
MMDadoda
9/8/2020 1:32:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.547 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	68819		
133	94.9	47.3	142.0	
119	66.3	32.4	97.0	





#67

Ethyl Benzene

Concen: 17.221 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS02

Tot Ion: 91 Resp: 297917

Ion Ratio Lower Upper

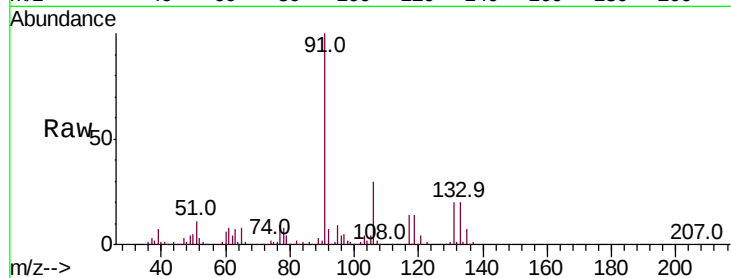
91 100

106 30.2 24.4 36.6

Manual Integrations
APPROVED

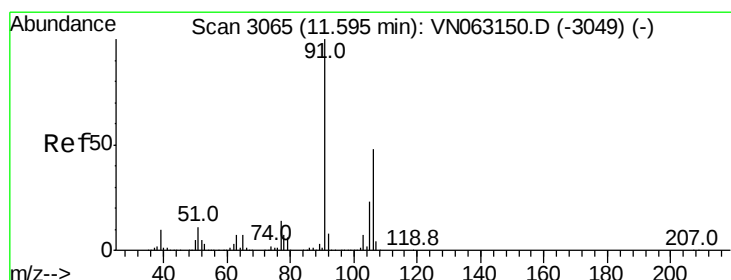
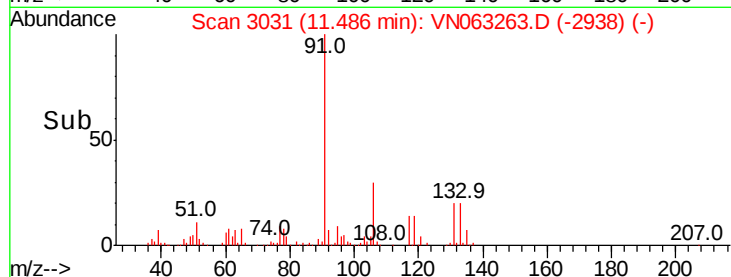
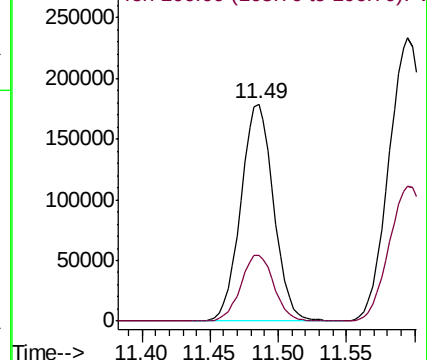
MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 34.179 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063263.D

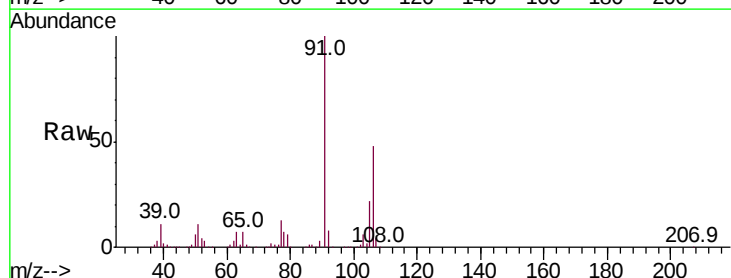
Acq: 5 Sep 2020 2:48

Tgt Ion: 106 Resp: 218988

Ion Ratio Lower Upper

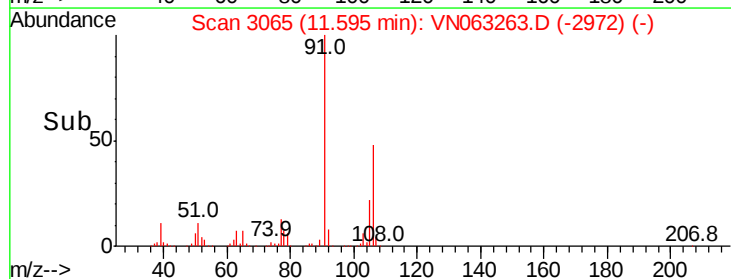
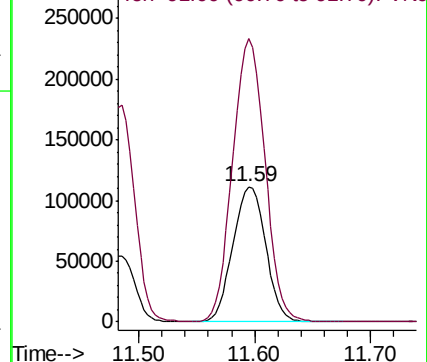
106 100

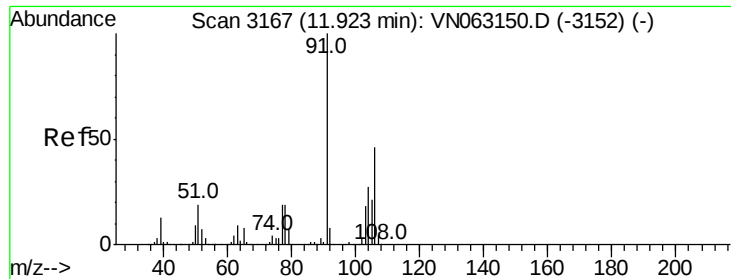
91 205.5 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





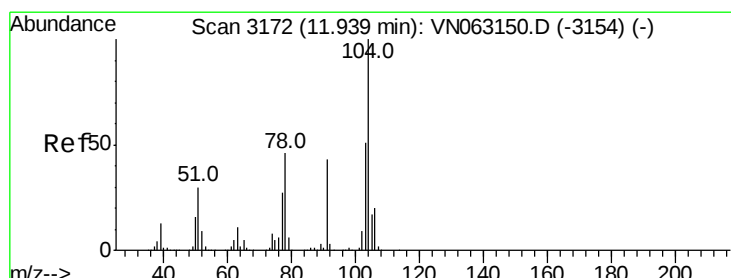
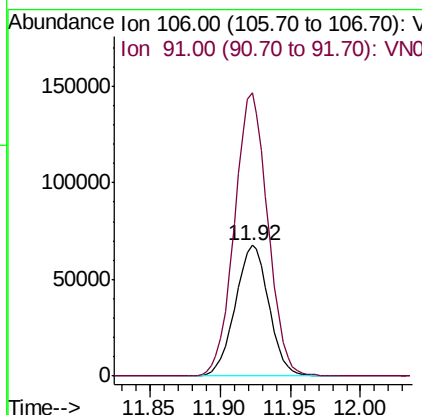
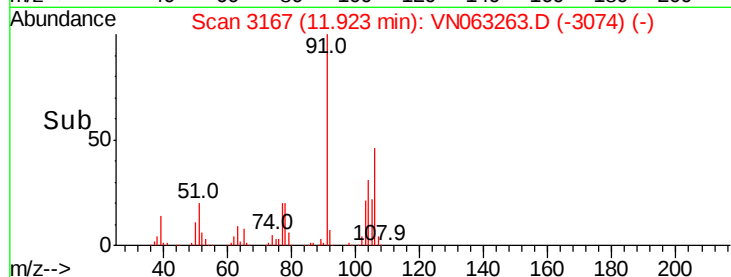
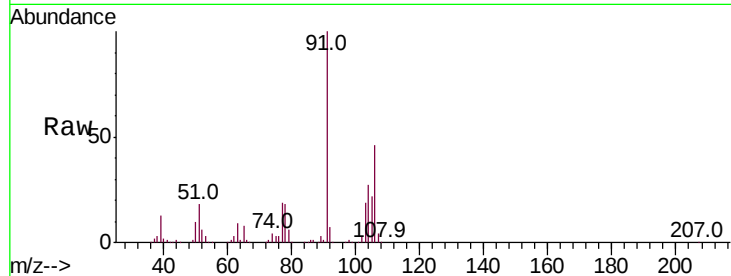
#69
o-Xylene
Concen: 18.281 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	113149		
91	215.1	108.6	325.6	

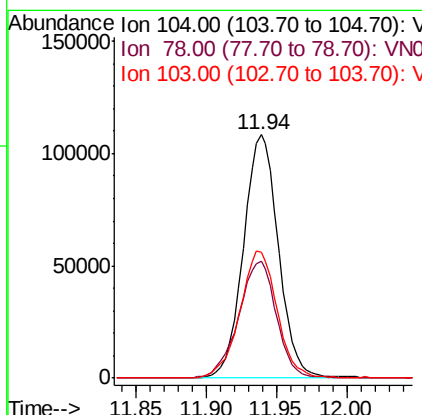
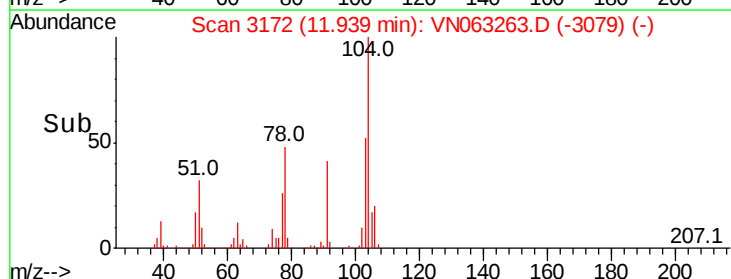
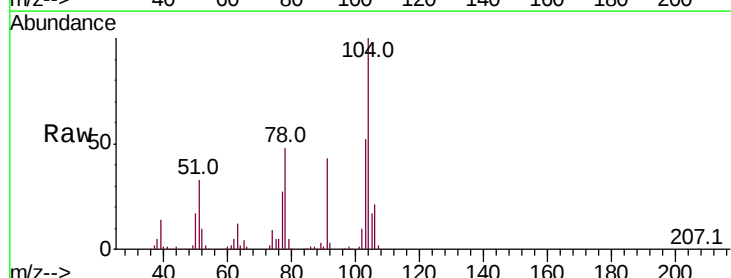
Manual Integrations
APPROVED

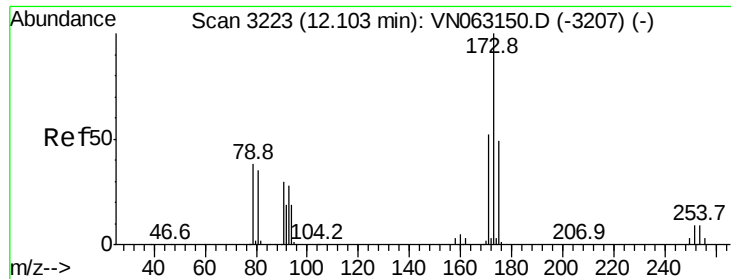
MMDadoda
9/8/2020 1:32:44 PM



#70
Styrene
Concen: 17.695 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	188225		
78	51.9	41.0	61.6	
103	55.8	43.8	65.8	





#71

Bromoform

Concen: 19.318 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion:173 Resp: 46158

Ion Ratio Lower Upper

173 100

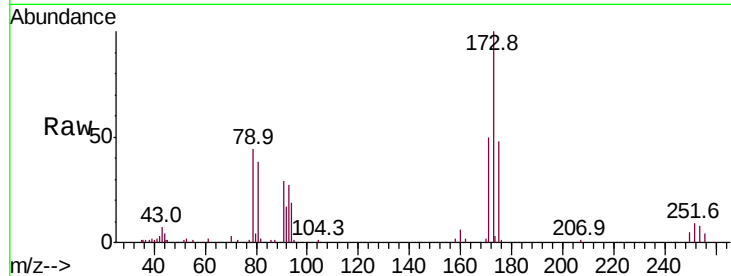
175 48.5 24.6 73.8

254 0.0 0.0 0.0

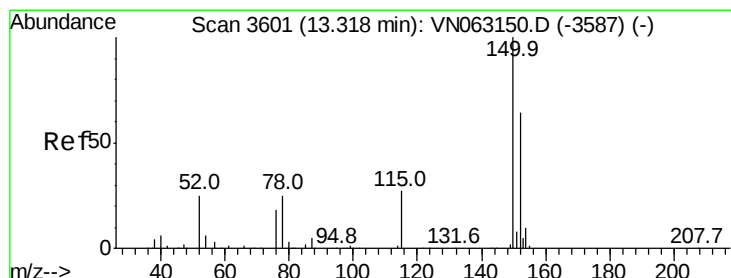
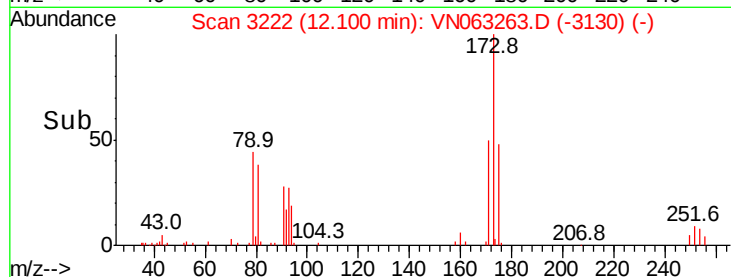
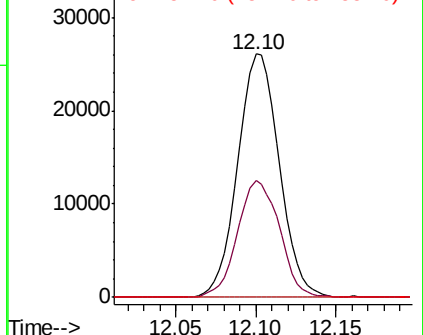
Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:32:44 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

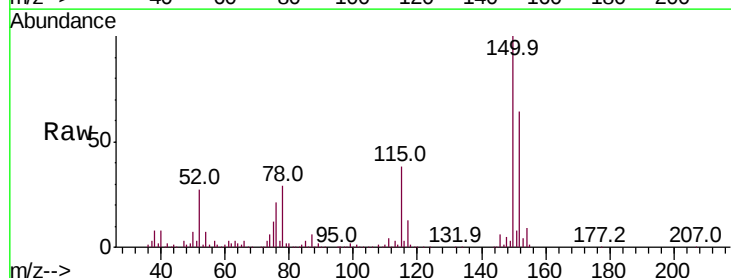
Tgt Ion:152 Resp: 197988

Ion Ratio Lower Upper

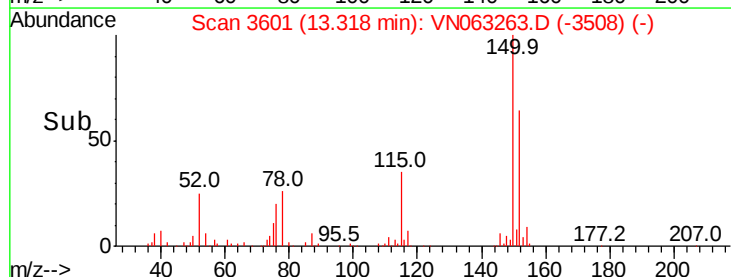
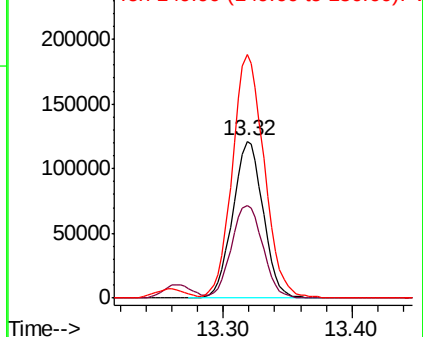
152 100

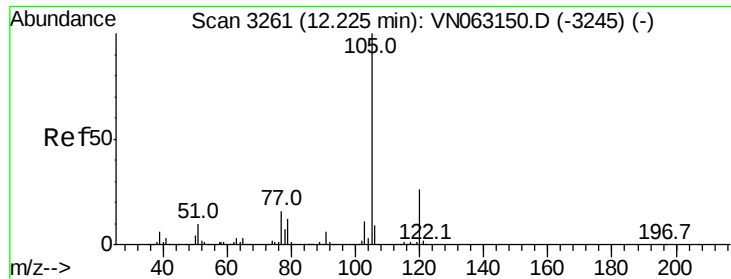
115 61.5 32.0 96.2

150 162.1 0.0 353.0



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





#73

Isopropylbenzene

Concen: 17.277 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion:105 Resp: 262366

Ion Ratio Lower Upper

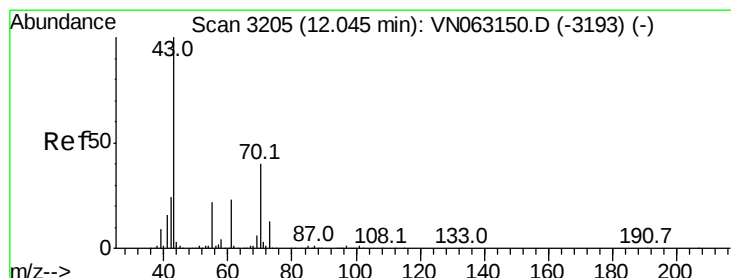
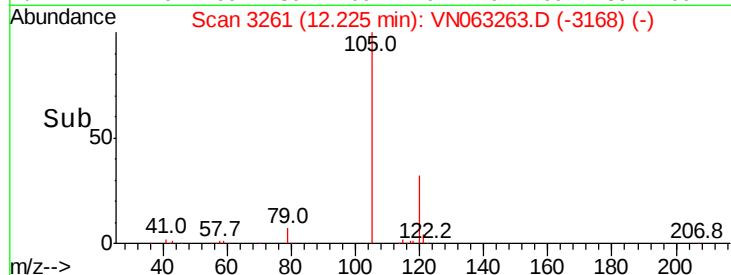
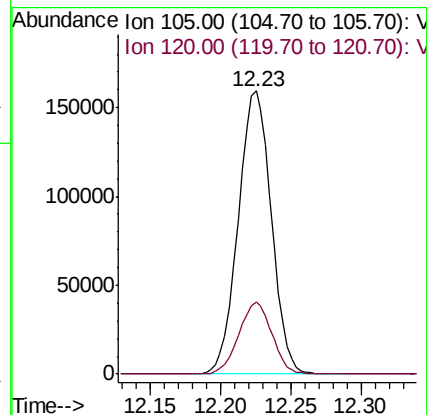
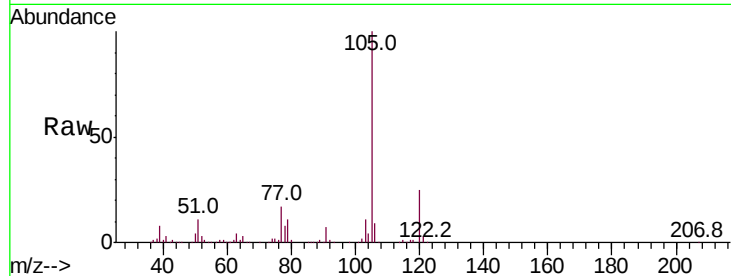
105 100

120 25.5 12.9 38.6

Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:32:44 PM



#74

N-ethyl acetate

Concen: 20.784 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion: 43 Resp: 130729

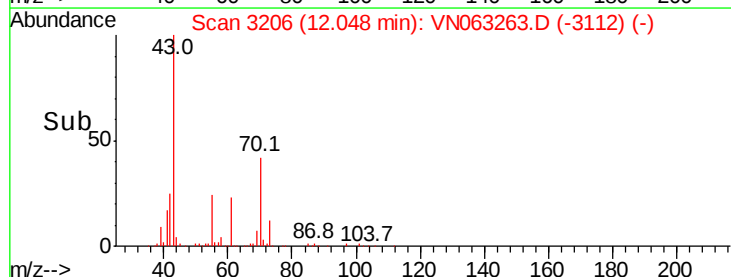
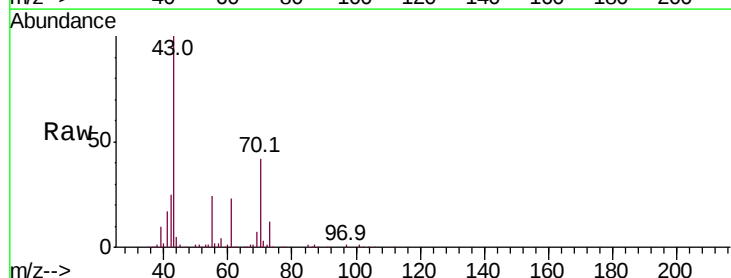
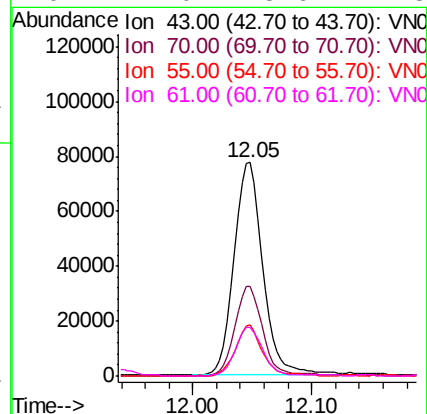
Ion Ratio Lower Upper

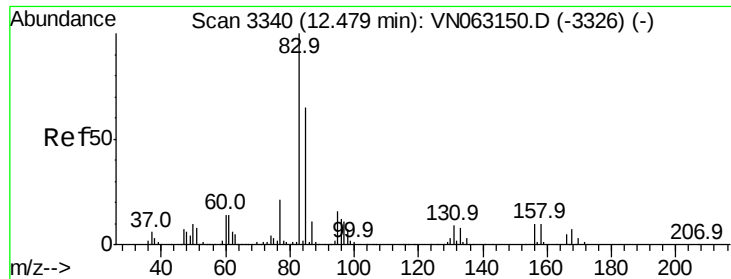
43 100

70 41.1 32.1 48.1

55 22.4 17.4 26.0

61 22.0 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.181 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion: 83 Resp: 101488

Ion Ratio Lower Upper

83 100

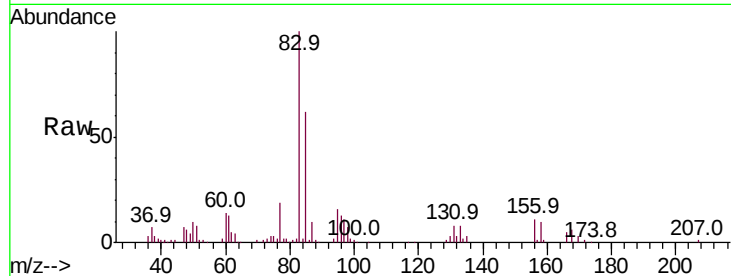
131 8.7 4.7 14.0

85 63.6 32.7 98.1

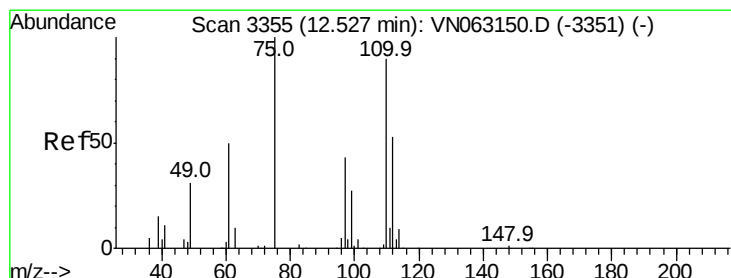
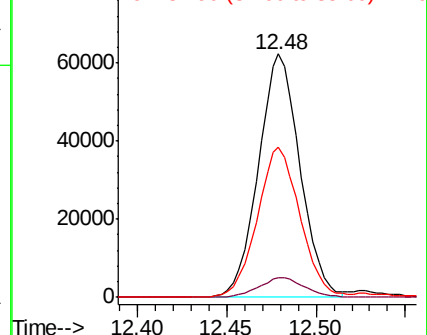
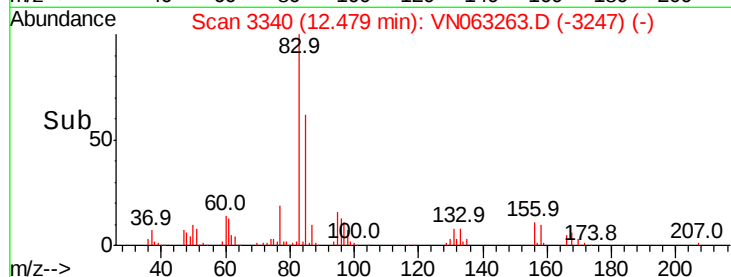
Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063263.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 21.703 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063263.D

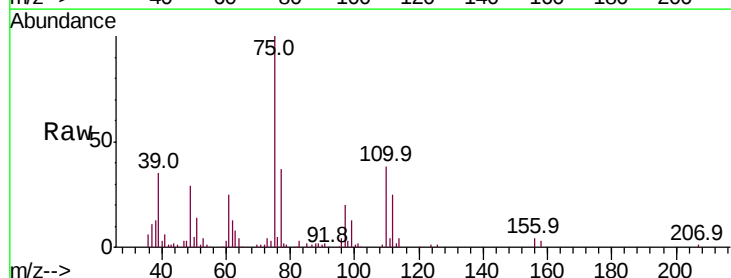
Acq: 5 Sep 2020 2:48

Tgt Ion: 75 Resp: 84425

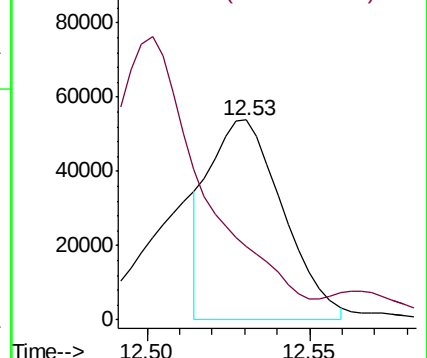
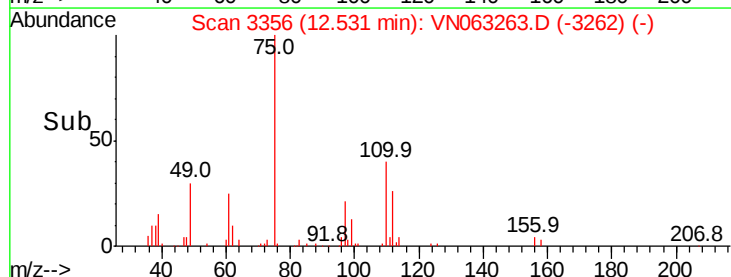
Ion Ratio Lower Upper

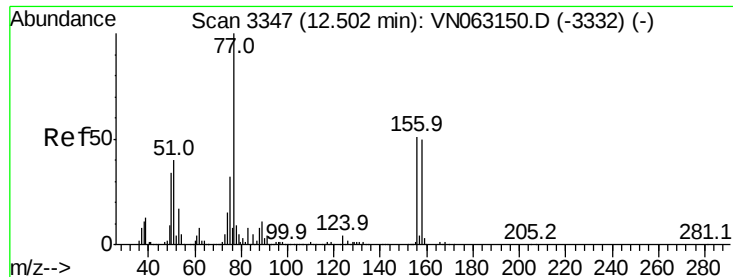
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063263.D (-3262) (-)





#77

Bromobenzene

Concen: 20.920 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS02

Tot Ion:156 Resp: 71848

Ion Ratio Lower Upper

156 100

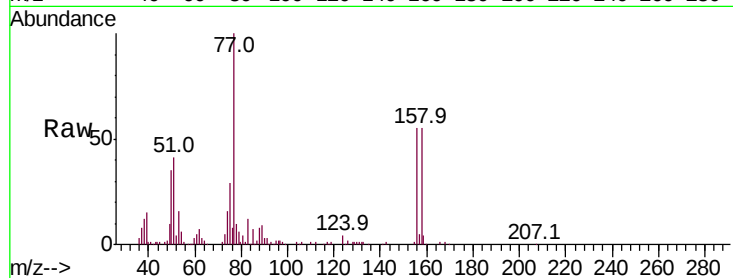
77 220.7 116.1 348.3

158 98.4 48.8 146.4

Manual Integrations
APPROVED

MMDadoda

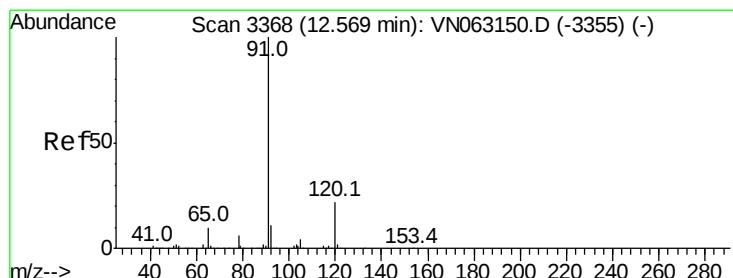
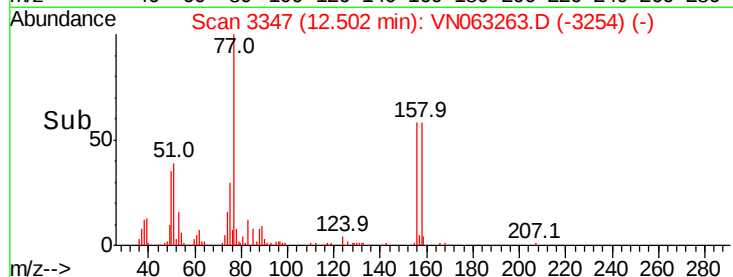
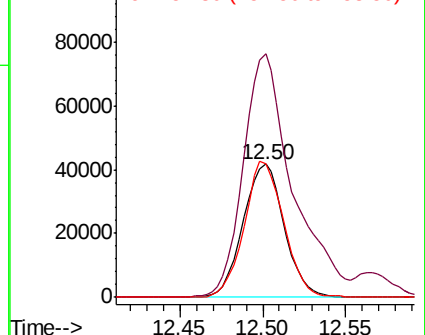
9/8/2020 1:32:44 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.787 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063263.D

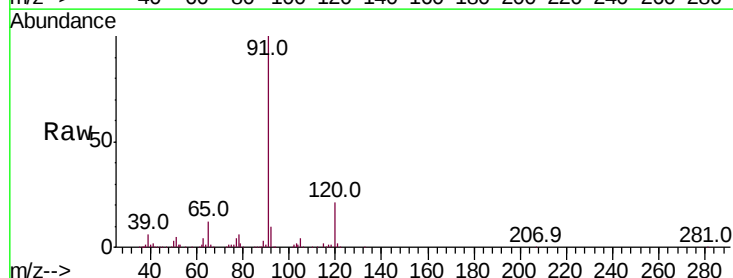
Acq: 5 Sep 2020 2:48

Tgt Ion: 91 Resp: 294985

Ion Ratio Lower Upper

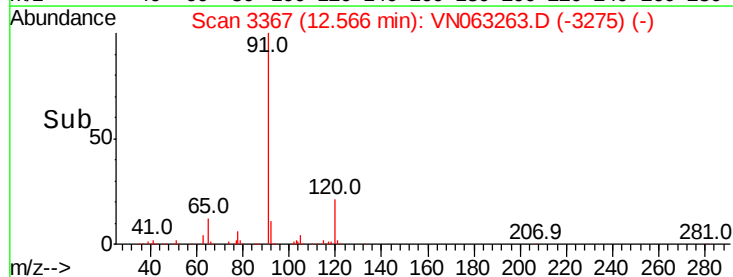
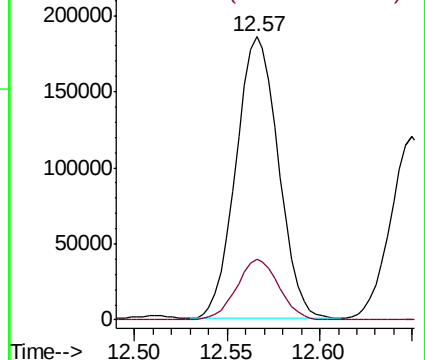
91 100

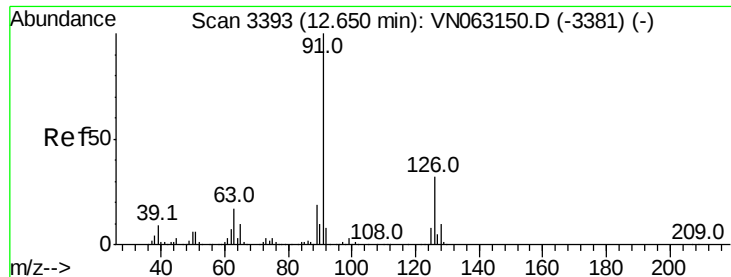
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.177 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS02

Tot Ion: 91 Resp: 191307

Ion Ratio Lower Upper

91 100

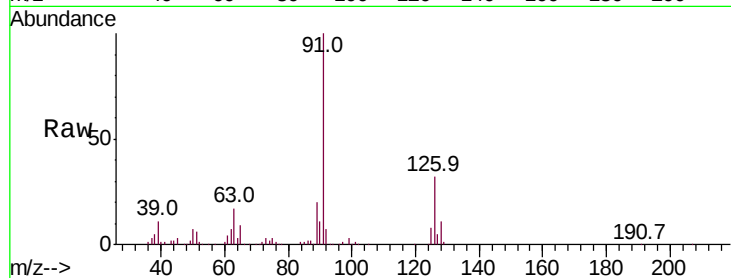
126 33.7 16.1 48.3

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:32:44 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3381) (-)

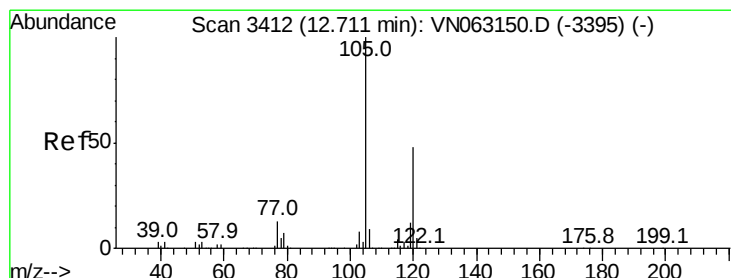
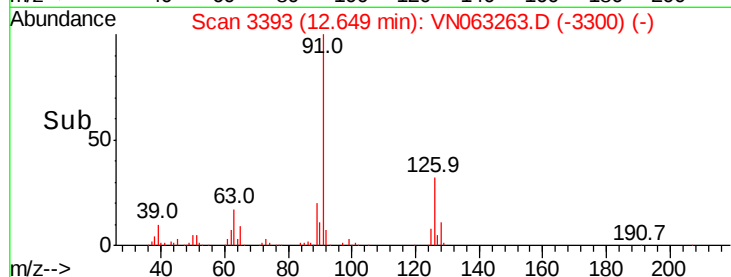
12.65

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.127 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063263.D

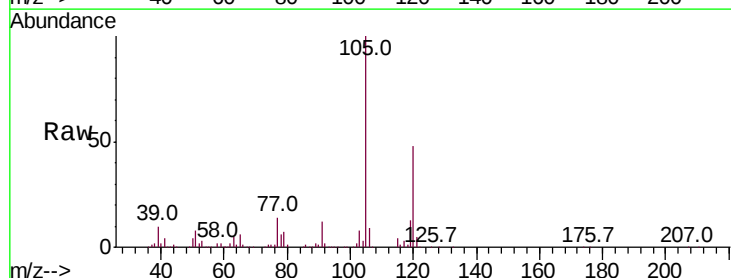
Acq: 5 Sep 2020 2:48

Tgt Ion: 105 Resp: 216477

Ion Ratio Lower Upper

105 100

120 48.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063150.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN063150.D (-3395) (-)

12.71

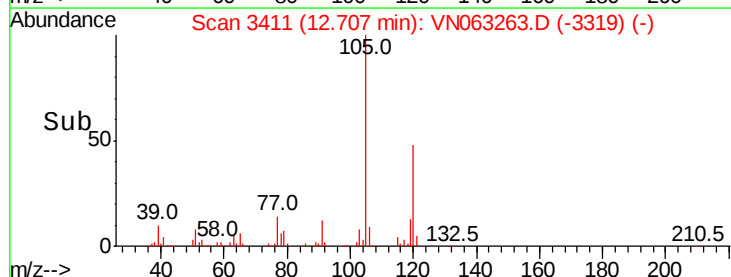
150000

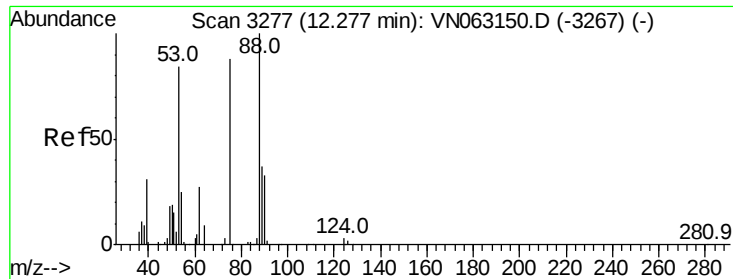
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.223 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

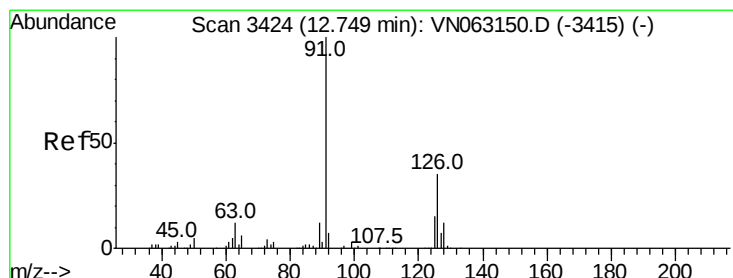
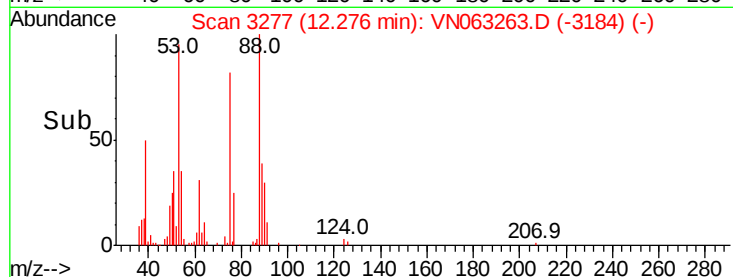
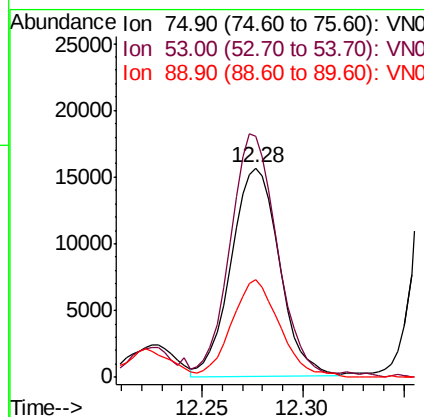
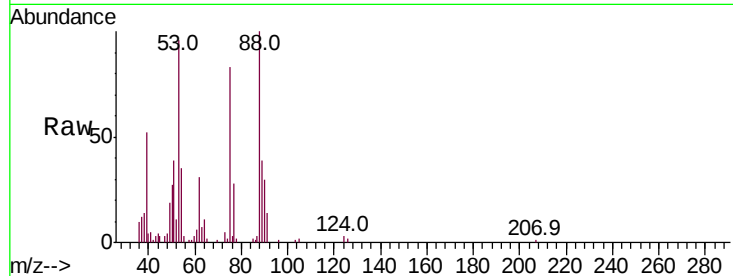
ClientSampleId :

VN0904WBS02

Tot Ion:	75	Resp:	26111
Ion	Ratio	Lower	Upper
75	100		
53	111.5	78.7	118.1
89	46.8	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#82

4-Chlorotoluene

Concen: 17.509 ug/l

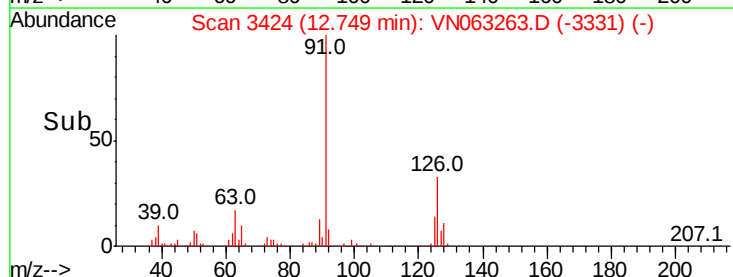
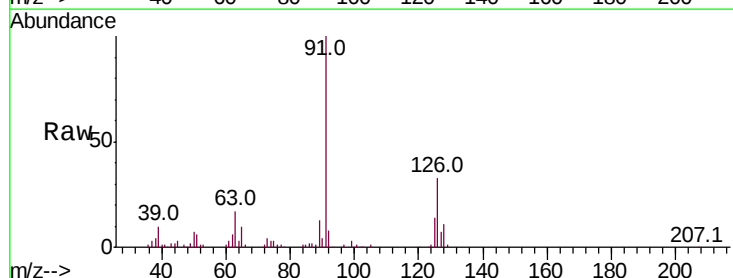
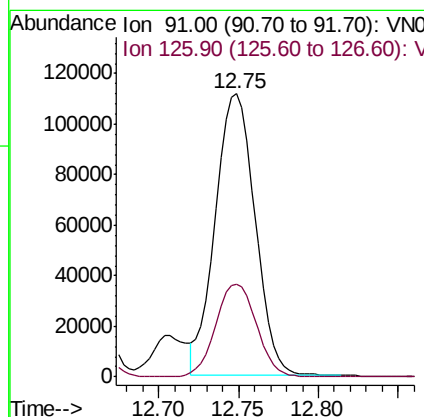
RT: 12.75 min Scan# 3424

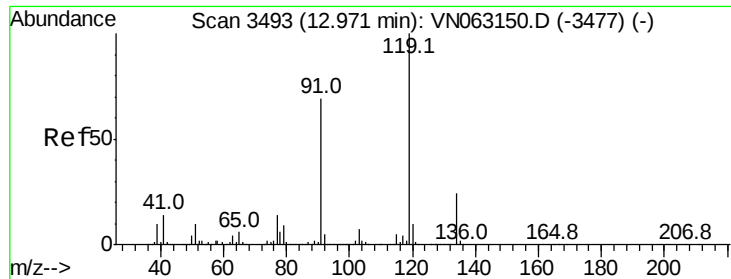
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	91	Resp:	191115
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.2	48.5





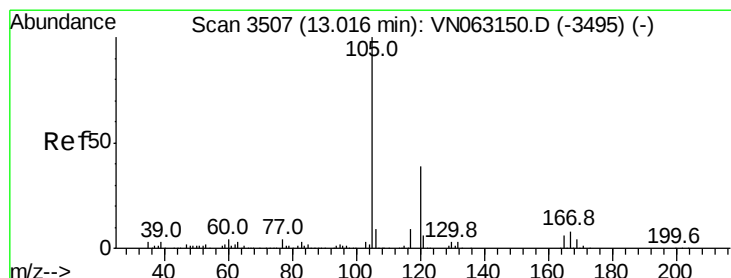
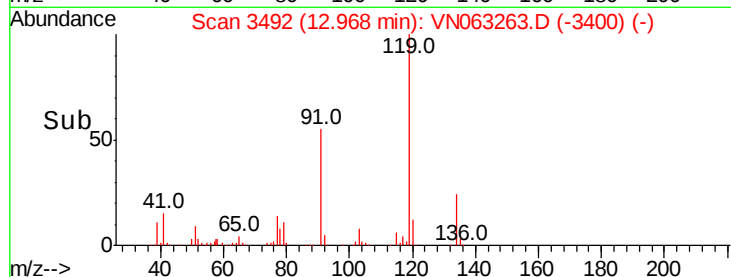
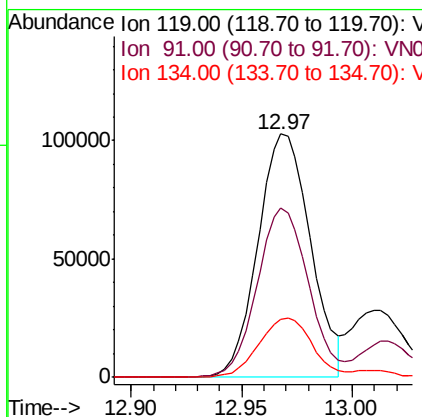
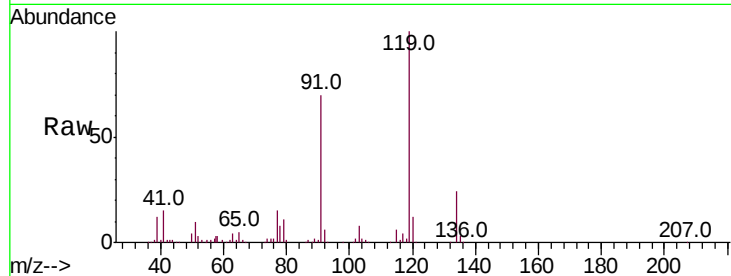
#83
tert-Butylbenzene
Concen: 15.711 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.7	101.0
134	25.0	12.0	36.0

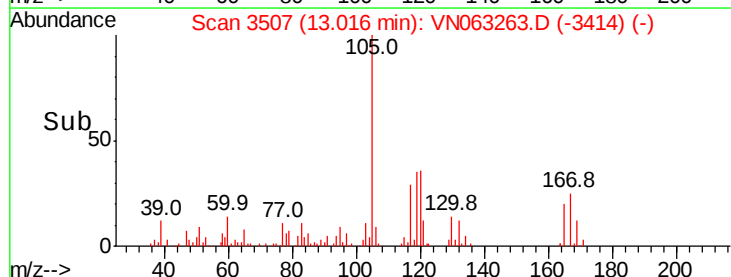
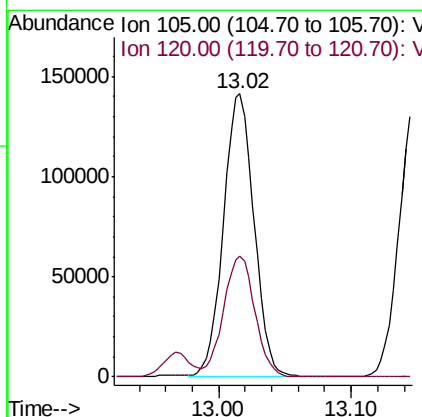
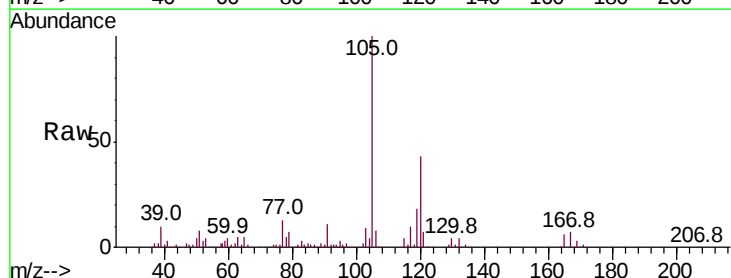
Manual Integrations
APPROVED

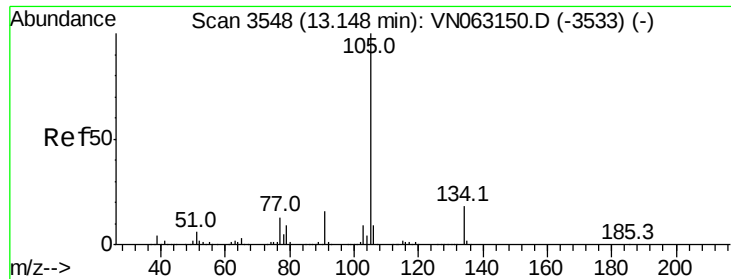
MMDadoda
9/8/2020 1:32:44 PM



#84
1,2,4-Trimethylbenzene
Concen: 17.677 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.6	67.7





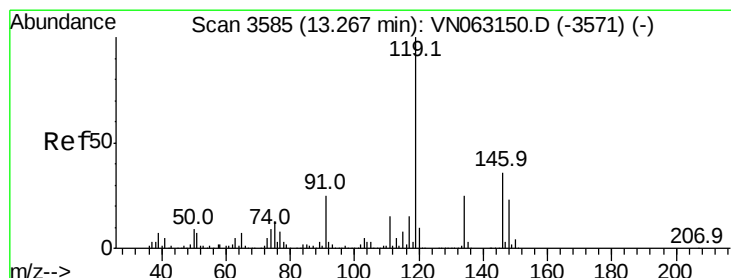
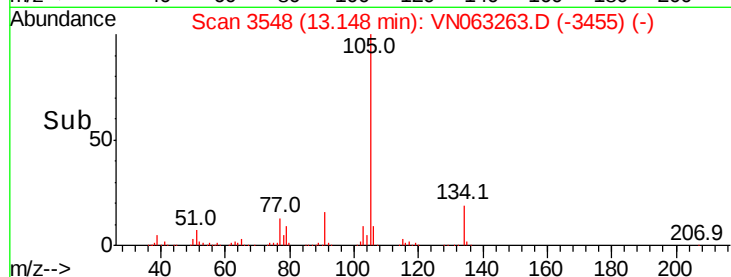
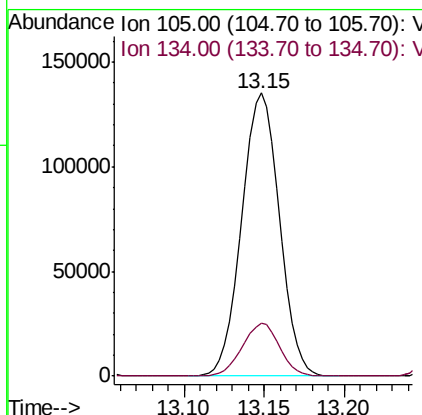
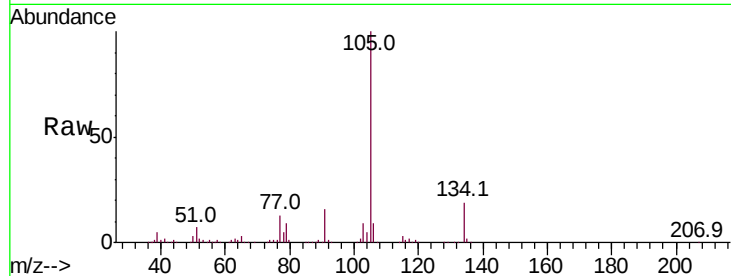
#85
 sec-Butylbenzene
 Concen: 15.308 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	216272		
134	18.7	9.4	28.3	

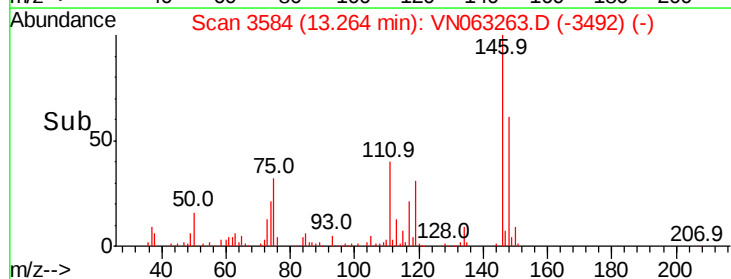
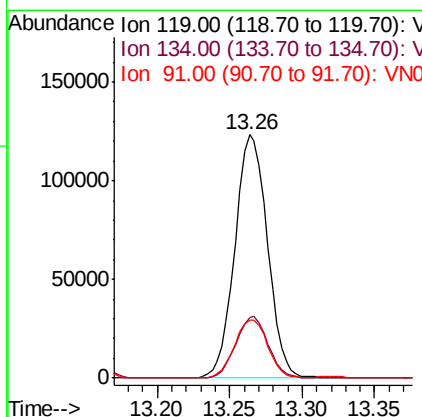
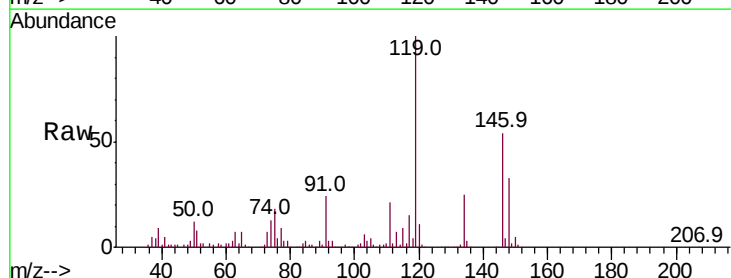
Manual Integrations
 APPROVED

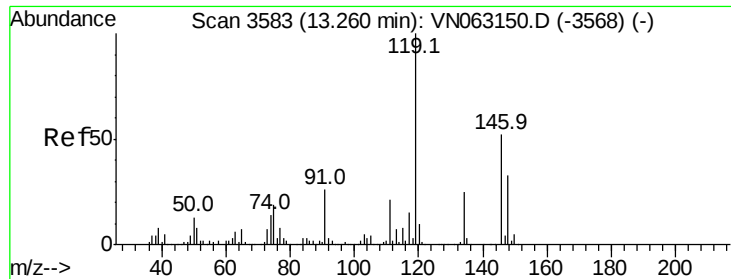
MMDadoda
 9/8/2020 1:32:44 PM



#86
 p-Isopropyltoluene
 Concen: 15.331 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	192296		
134	25.2	12.4	37.4	
91	24.6	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 18.950 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN063263.D

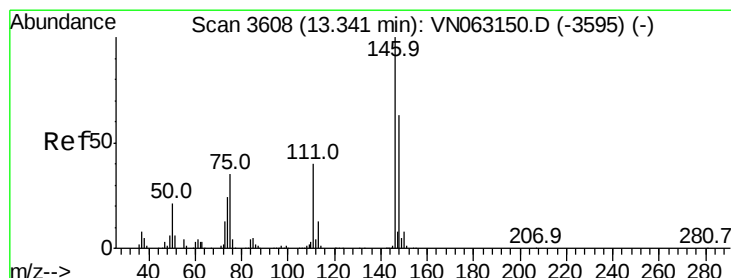
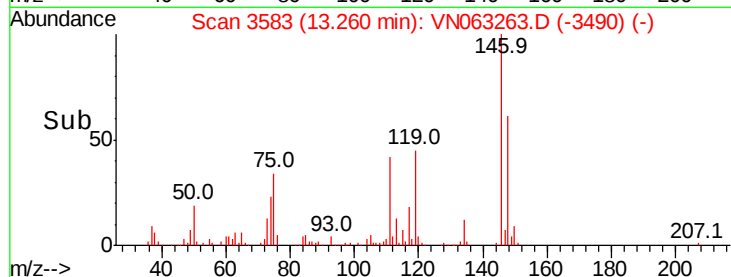
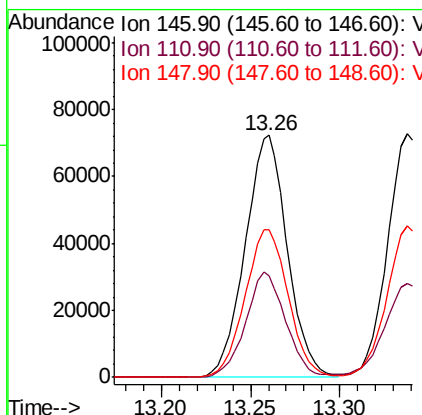
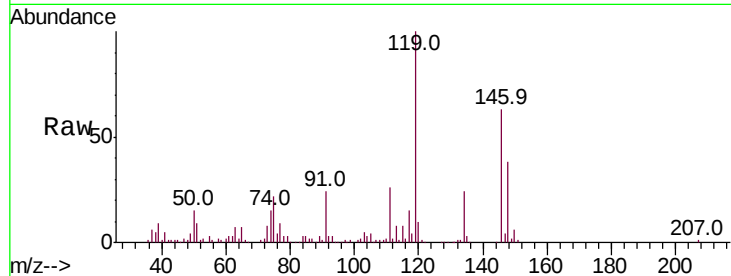
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119558		
111	41.2	21.3	63.7	
148	62.7	31.9	95.9	

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#88

1,4-Dichlorobenzene

Concen: 18.641 ug/l

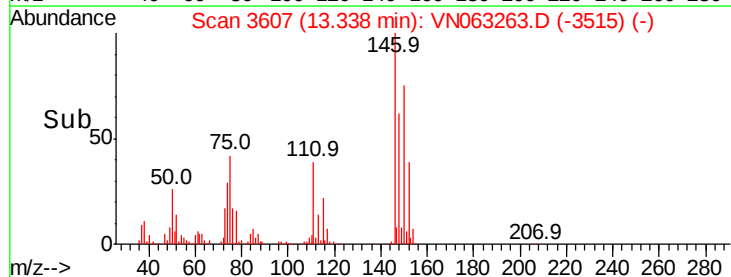
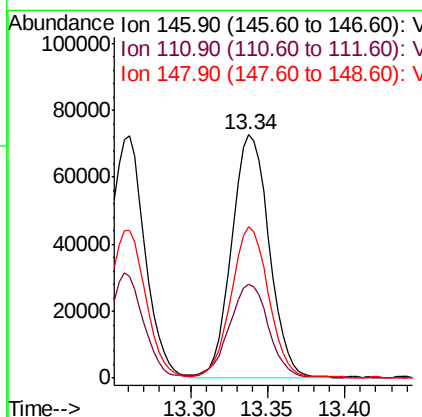
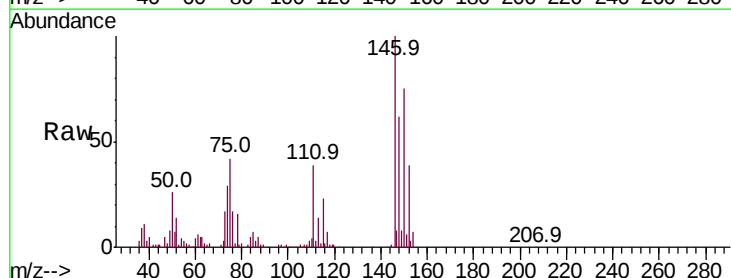
RT: 13.34 min Scan# 3607

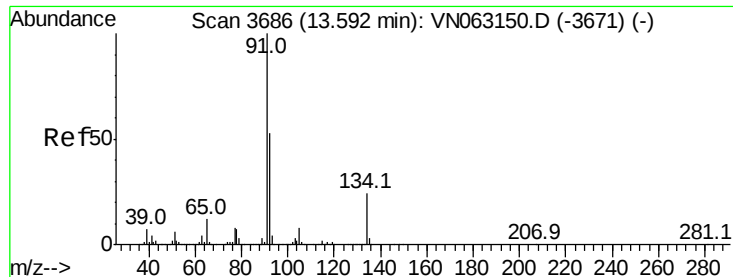
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121778		
111	40.7	20.5	61.5	
148	62.4	31.9	95.7	





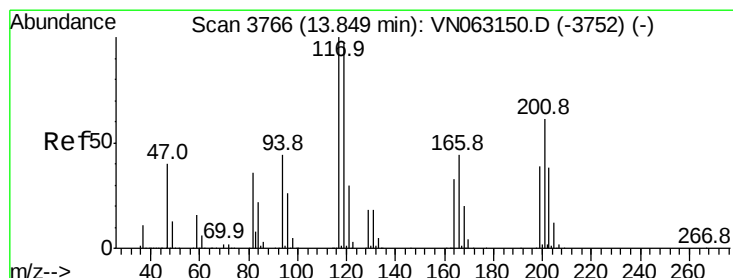
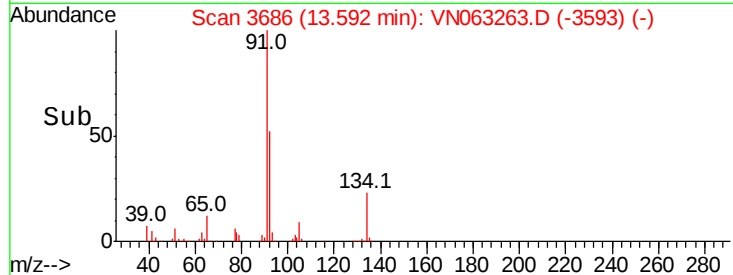
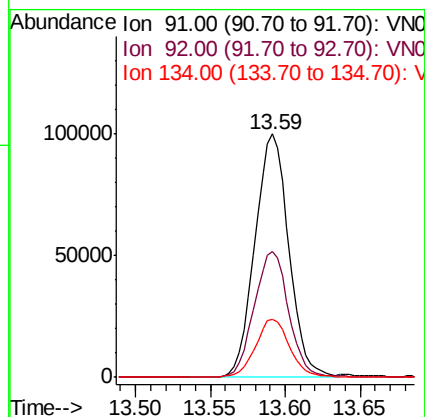
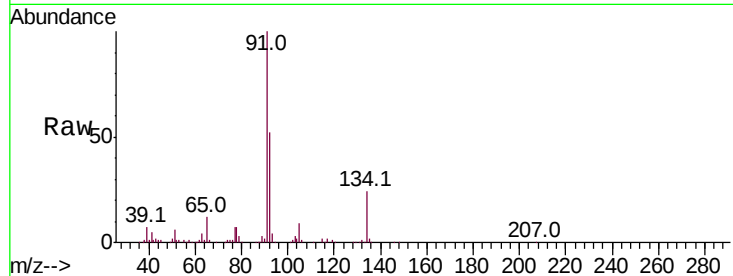
#89
n-Butylbenzene
Concen: 13.604 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS02

Tot Ion:	91	Resp:	157643
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.3	78.8
134	24.1	12.0	36.0

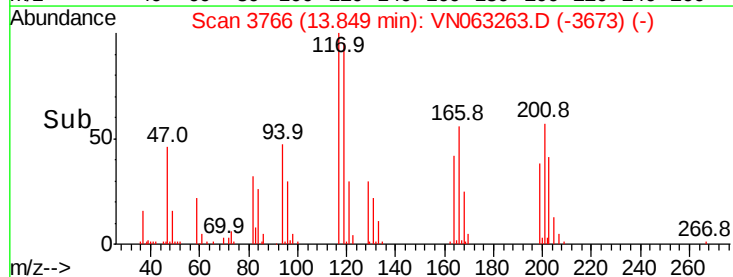
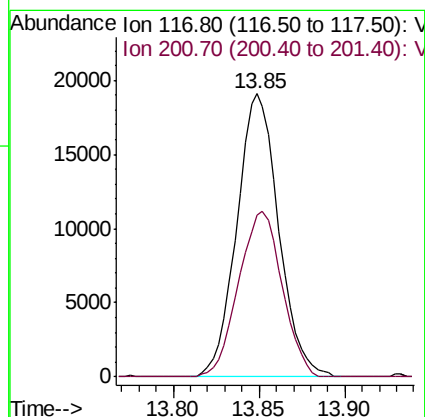
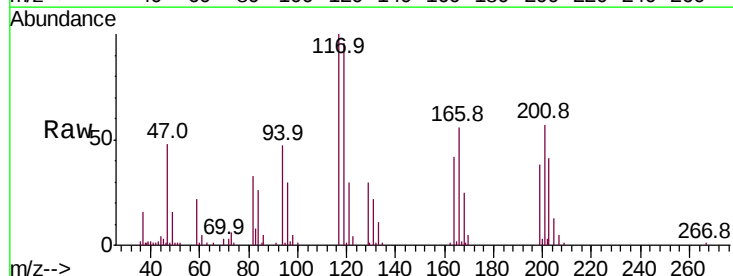
Manual Integrations
APPROVED

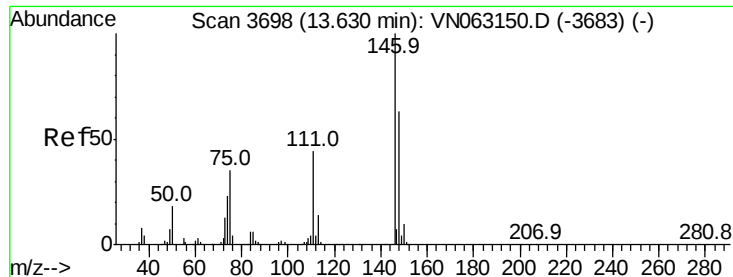
MMDadoda
9/8/2020 1:32:44 PM



#90
Hexachloroethane
Concen: 13.861 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion:	117	Resp:	32183
Ion Ratio	Lower	Upper	
117	100		
201	60.9	30.6	92.0





#91

1,2-Dichlorobenzene

Concen: 19.717 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Instrument :

MSVOA_N

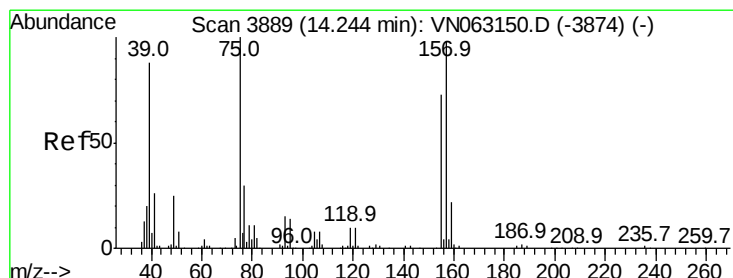
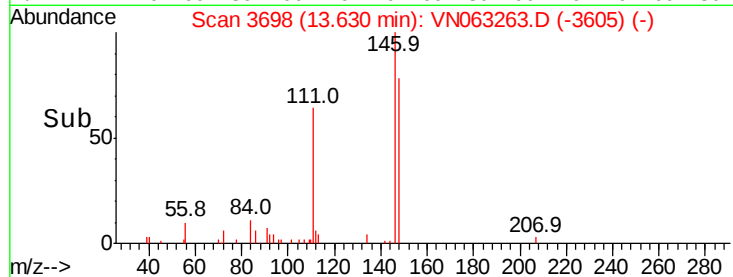
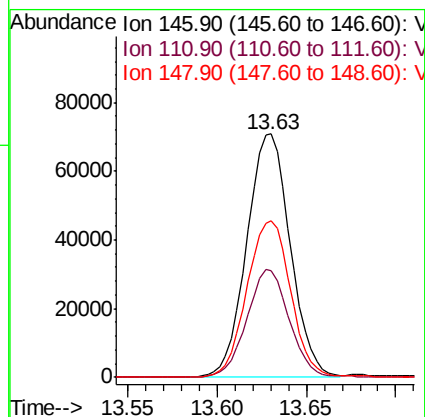
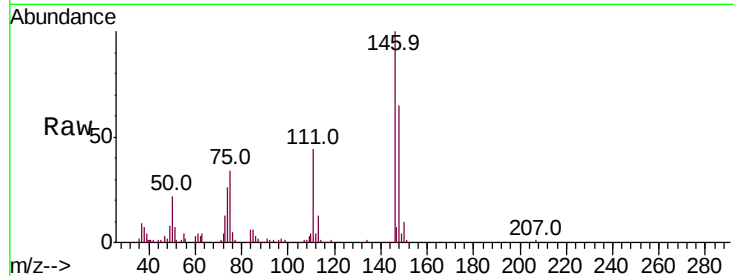
ClientSampleId :

VN0904WBS02

Tot Ion:	146	Resp:	120713
Ion Ratio	Lower	Upper	
146	100		
111	43.4	22.0	66.0
148	65.3	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.665 ug/l

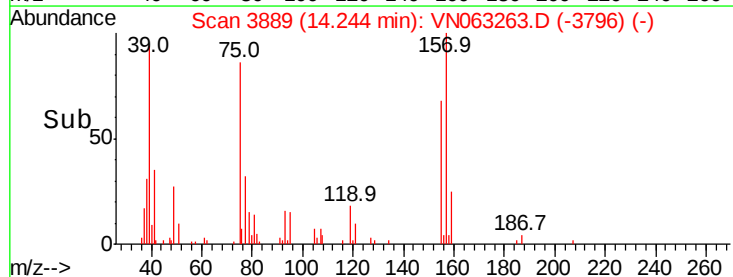
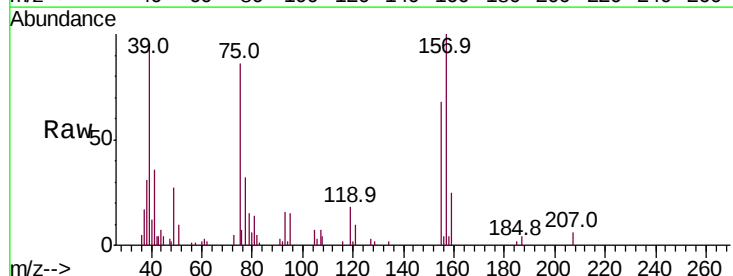
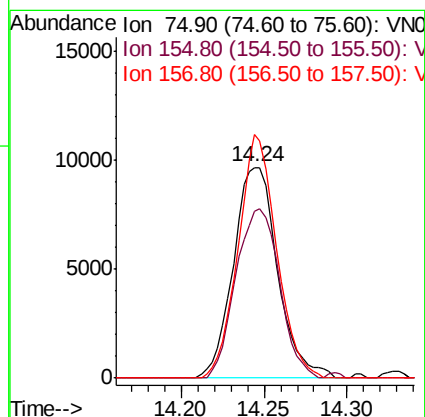
RT: 14.24 min Scan# 3889

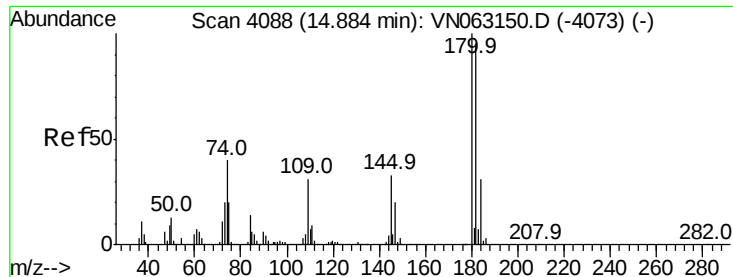
Delta R.T. -0.00 min

Lab File: VN063263.D

Acq: 5 Sep 2020 2:48

Tgt Ion:	75	Resp:	17965
Ion Ratio	Lower	Upper	
75	100		
155	79.2	36.1	108.5
157	100.2	48.4	145.0





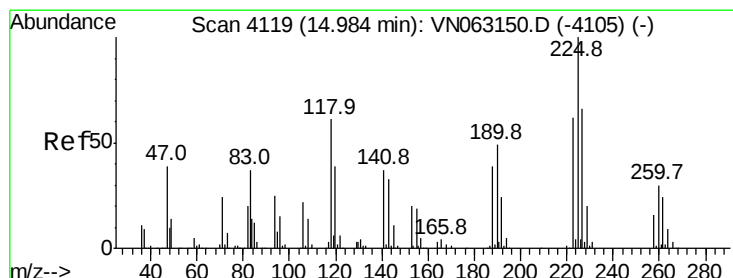
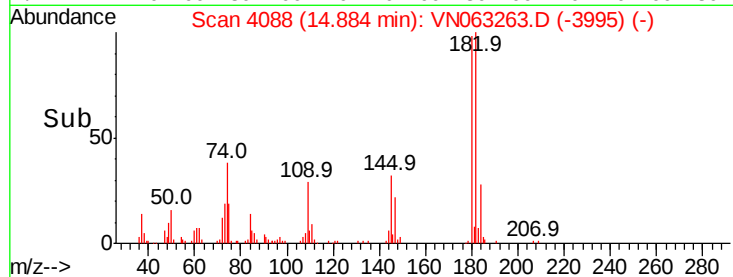
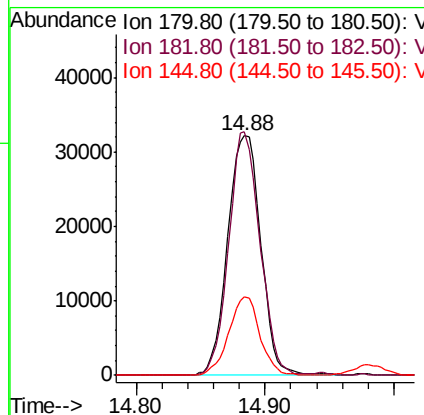
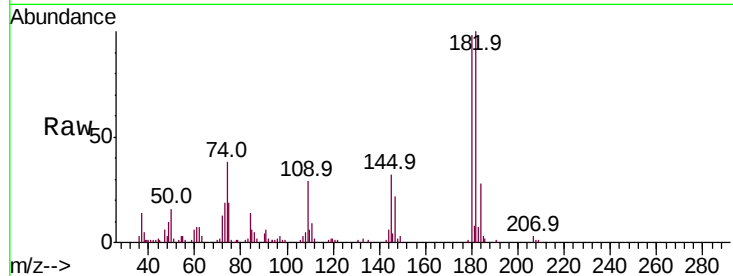
#93
 1,2,4-Trichlorobenzene
 Concen: 16.773 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS02

Tot Ion:	180	Resp:	57373
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.5	142.5
145	30.7	16.6	49.8

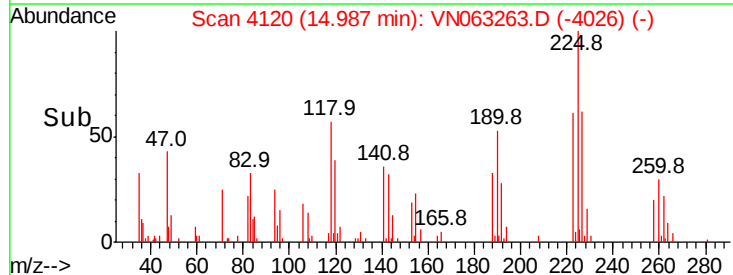
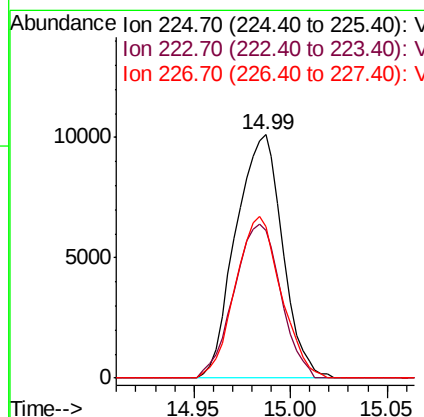
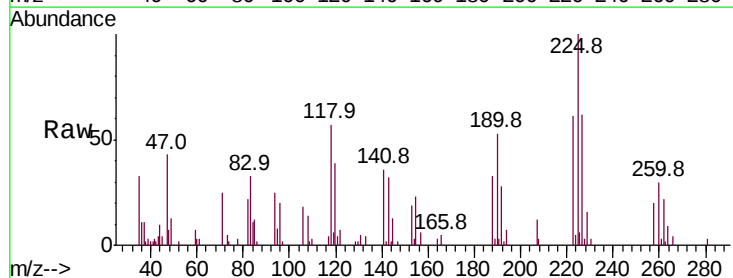
Manual Integrations
 APPROVED

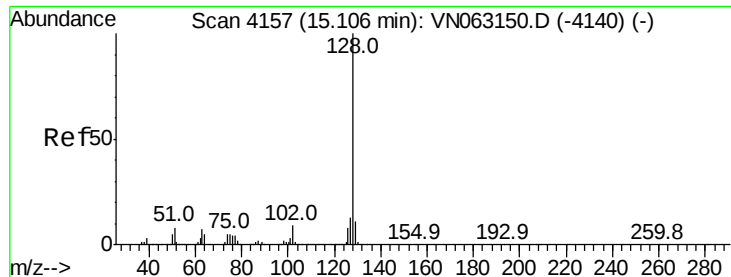
MMDadoda
 9/8/2020 1:32:44 PM



#94
 Hexachlorobutadiene
 Concen: 13.305 ug/l
 RT: 14.99 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN063263.D
 Acq: 5 Sep 2020 2:48

Tgt Ion:	225	Resp:	17001
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.7
227	64.8	32.9	98.7





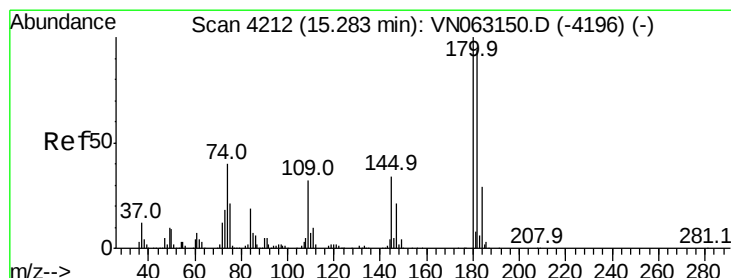
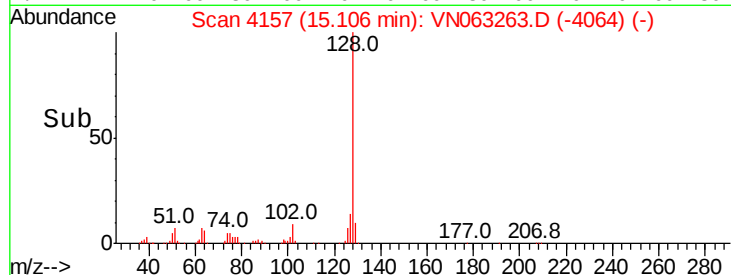
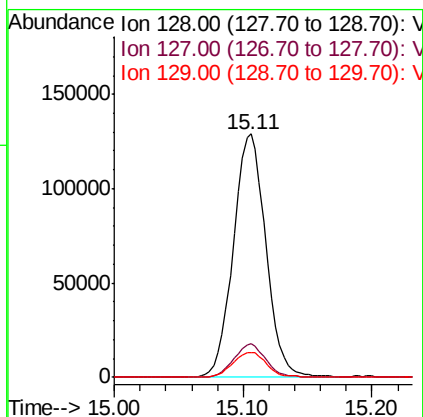
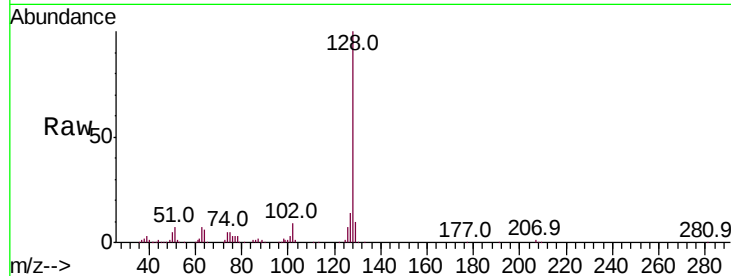
#95
Naphthalene
Concen: 19.814 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	226117		
127	13.6	10.5	15.7	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.881 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063263.D
Acq: 5 Sep 2020 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56254		
182	97.3	47.5	142.5	
145	36.2	17.3	52.0	

