

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063257.D
 Acq On : 4 Sep 2020 19:00
 Operator : JC/MD
 Sample : L3902-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:33:16 PM

Quant Time: Sep 07 02:01:04 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	7.63	168	305659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	595766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	553117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255998	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	264147	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.55	113	194454	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.06	98	745495	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.38	95	267561	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	140211	46.578	ug/l	98
3) Chloromethane	2.04	50	205253	46.826	ug/l	99
4) Vinyl Chloride	2.17	62	229588	47.417	ug/l	99
5) Bromomethane	2.53	94	211222	51.824	ug/l	98
6) Chloroethane	2.67	64	208093	54.053	ug/l	98
7) Trichlorofluoromethane	2.98	101	357621	53.833	ug/l	97
8) Diethyl Ether	3.37	74	110790	47.823	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	163086	49.553	ug/l	98
10) Methyl Iodide	3.91	142	221226	49.286	ug/l	99
11) Tert butyl alcohol	4.73	59	136310	222.244	ug/l	98
12) 1,1-Dichloroethene	3.70	96	166149	49.544	ug/l	97
13) Acrolein	3.57	56	70031	296.761	ug/l	95
14) Allyl chloride	4.28	41	285109	47.870	ug/l	95
15) Acrylonitrile	4.93	53	438888	255.409	ug/l	98
16) Acetone	3.77	43	364121	256.351	ug/l	98
17) Carbon Disulfide	4.01	76	450174	45.100	ug/l	98
18) Methyl Acetate	4.28	43	185909	51.046	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	621842	49.985	ug/l	99
20) Methylene Chloride	4.50	84	204534	51.223	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	192713	52.014	ug/l	95
22) Diisopropyl ether	5.90	45	669626	50.171	ug/l	99
23) Vinyl Acetate	5.84	43	2507173	235.425	ug/l	100
24) 1,1-Dichloroethane	5.80	63	371349	50.470	ug/l	99
25) 2-Butanone	6.78	43	580075	263.749	ug/l	99
26) 2,2-Dichloropropane	6.78	77	261397	39.211	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	226569	50.311	ug/l	97
28) Bromochloromethane	7.15	49	182170	47.390	ug/l	98
29) Tetrahydrofuran	7.16	42	396365	260.638	ug/l	99
30) Chloroform	7.33	83	391356	50.839	ug/l	98
31) Cyclohexane	7.61	56	299948	46.124	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	345859	52.139	ug/l	100
36) 1,1-Dichloropropene	7.75	75	281975	49.233	ug/l	99
37) Ethyl Acetate	6.88	43	243387	45.042	ug/l #	96
38) Carbon Tetrachloride	7.74	117	281535	48.471	ug/l	98

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 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	266620	41.437	ug/l	99
40) Benzene	8.00	78	848507	50.414	ug/l	100
41) Methacrylonitrile	7.12	41	113924	47.216	ug/l	91
42) 1,2-Dichloroethane	8.09	62	318662	50.686	ug/l	100
43) Isopropyl Acetate	8.13	43	447929	47.955	ug/l #	91
44) Trichloroethene	8.80	130	214081	52.440	ug/l	96
45) 1,2-Dichloropropane	9.08	63	221899	49.796	ug/l	97
46) Dibromomethane	9.17	93	153515	51.984	ug/l	98
47) Bromodichloromethane	9.37	83	317899	50.222	ug/l	100
48) Methyl methacrylate	9.17	41	211605	50.254	ug/l	94
49) 1,4-Dioxane	9.17	88	58831	903.320	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1368529	269.623	ug/l	100
52) Toluene	10.13	92	535907	51.114	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	333235	48.128	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	348961	48.014	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	213180	53.093	ug/l	98
56) Ethyl methacrylate	10.40	69	309376	50.630	ug/l	99
57) 1,3-Dichloropropane	10.68	76	360632	50.417	ug/l	99
59) 2-Hexanone	10.72	43	993198	278.430	ug/l	99
60) Dibromochloromethane	10.87	129	231494	52.149	ug/l	99
61) 1,2-Dibromoethane	10.98	107	218779	52.415	ug/l	98
64) Tetrachloroethene	10.60	164	211176	53.167	ug/l	97
65) Chlorobenzene	11.41	112	566277	50.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	210612	50.919	ug/l	99
67) Ethyl Benzene	11.49	91	1056843	52.001	ug/l	98
68) m/p-Xylenes	11.59	106	779494	103.558	ug/l	98
69) o-Xylene	11.92	106	371214	51.050	ug/l	97
70) Stvrene	11.94	104	647144	51.785	ug/l	99
71) Bromoform	12.10	173	142309	50.698	ug/l #	99
73) Isopropylbenzene	12.23	105	998110	50.834	ug/l	98
74) N-amyl acetate	12.05	43	382850	47.074	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	289901	51.212	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	252866m	50.273	ug/l	
77) Bromobenzene	12.50	156	228054	51.357	ug/l	97
78) n-propylbenzene	12.57	91	1153942	50.788	ug/l	98
79) 2-Chlorotoluene	12.65	91	689607	50.675	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	820336	50.194	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	91340	43.892	ug/l	95
82) 4-Chlorotoluene	12.75	91	718483	50.907	ug/l	99
83) tert-Butylbenzene	12.97	119	673560	48.055	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	837231	50.823	ug/l	97
85) sec-Butylbenzene	13.15	105	866468	47.433	ug/l	99
86) p-Isopropyltoluene	13.26	119	770158	47.488	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	417239	51.147	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	427854	50.653	ug/l	99
89) n-Butylbenzene	13.59	91	669787	44.704	ug/l	99
90) Hexachloroethane	13.85	117	135894	45.265	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	427692	54.027	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	61653	49.539	ug/l	99
93) 1,2,4-Trichlorobenzene	14.88	180	209194	47.300	ug/l	98

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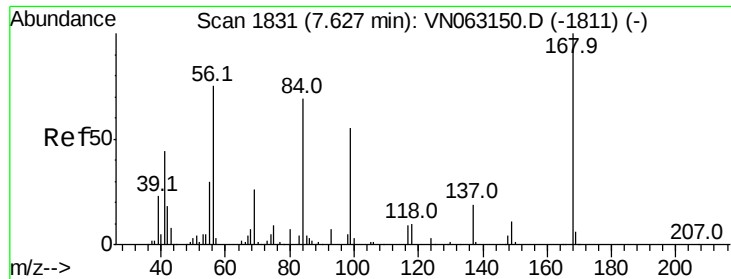
Manual Integrations
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Quant Time: Sep 07 02:01:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	68536	41.482	ug/l	97
95) Naphthalene	15.11	128	729954	49.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	202947	47.100	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

SA-MW131I-20200901MSD

Tot Ion:168 Resp: 305659

Ion Ratio Lower Upper

168 100

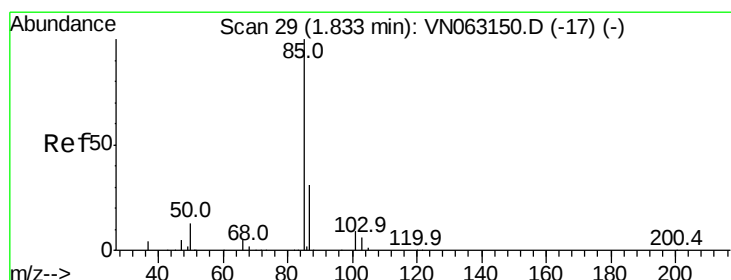
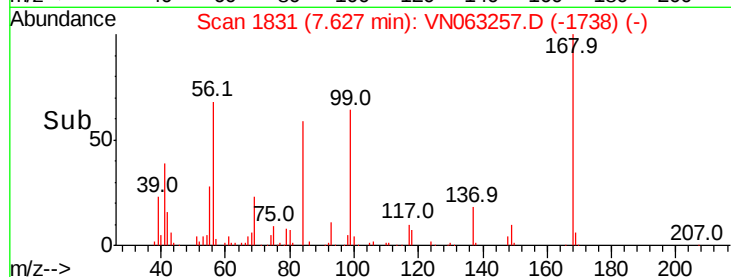
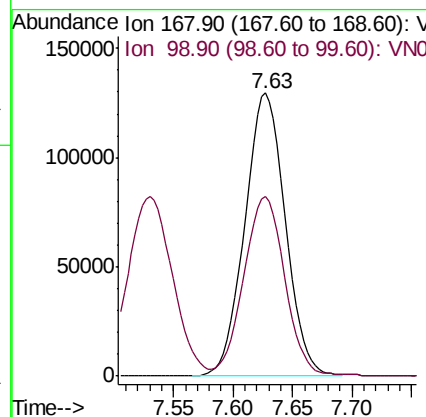
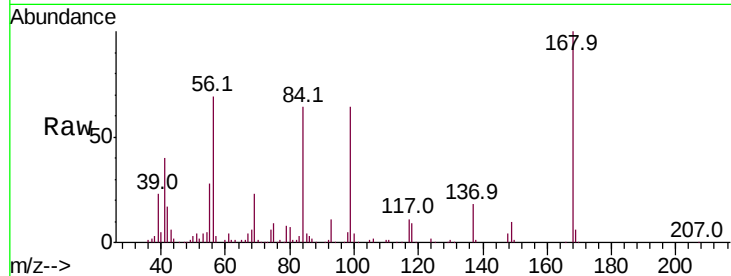
99 63.1 54.2 81.2

Manual Integrations

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9/8/2020 1:33:16 PM



#2

Dichlorodifluoromethane

Concen: 46.578 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063257.D

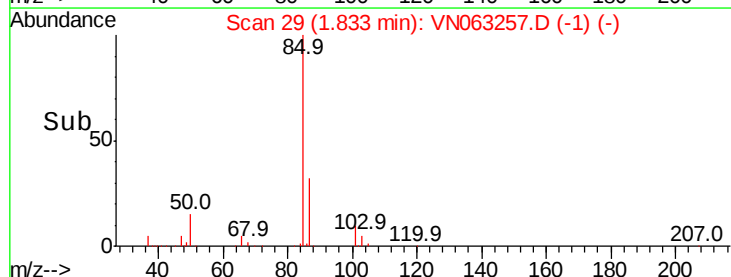
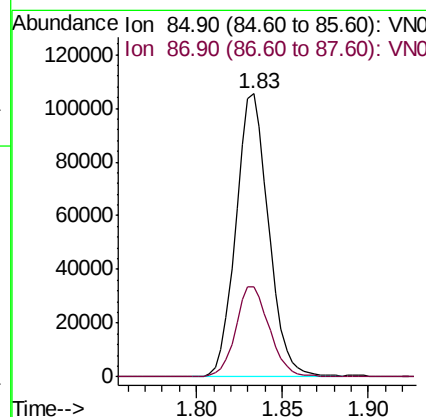
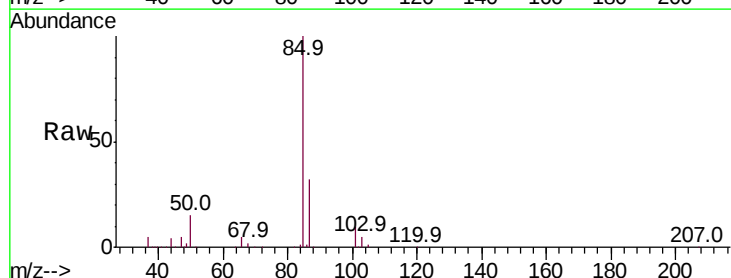
Acq: 4 Sep 2020 19:00

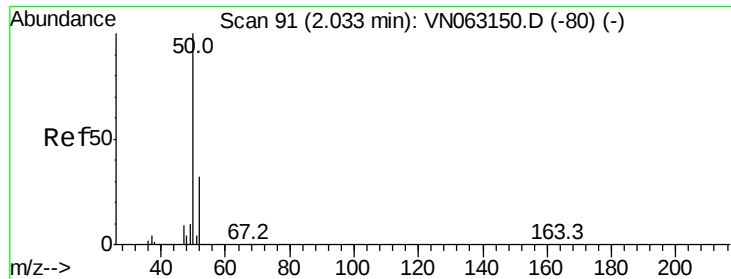
Tgt Ion: 85 Resp: 140211

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8





#3

Chloromethane

Concen: 46.826 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 50 Resp: 205253

Ion Ratio Lower Upper

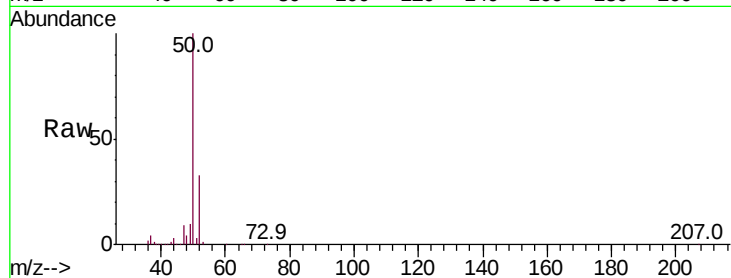
50 100

52 32.5 25.8 38.6

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

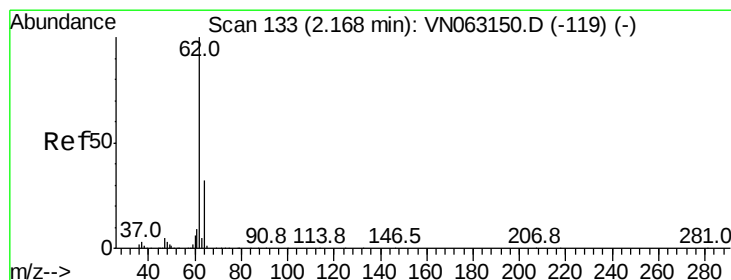
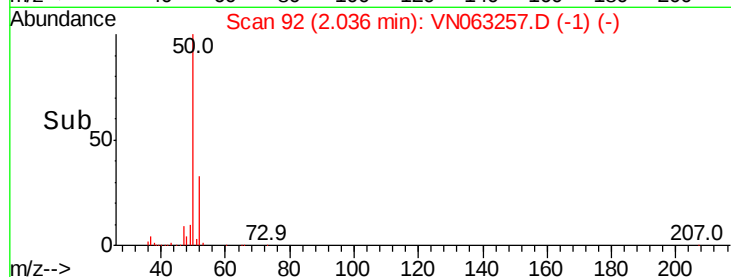
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 47.417 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063257.D

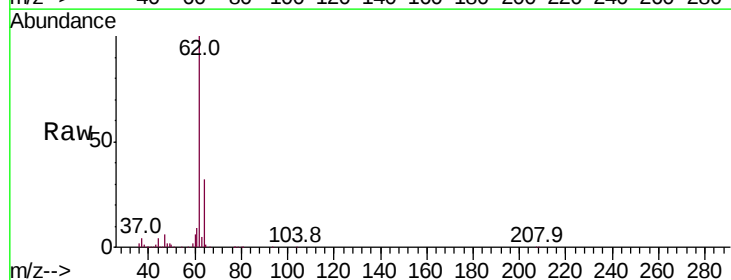
Acq: 4 Sep 2020 19:00

Tgt Ion: 62 Resp: 229588

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

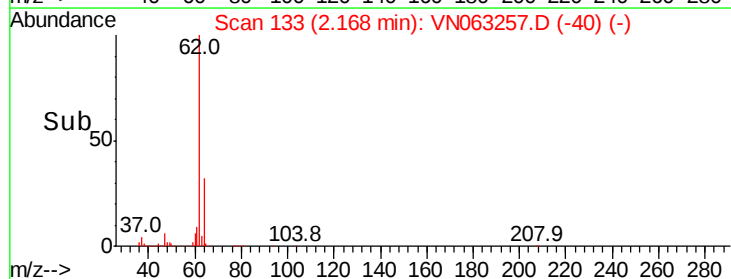
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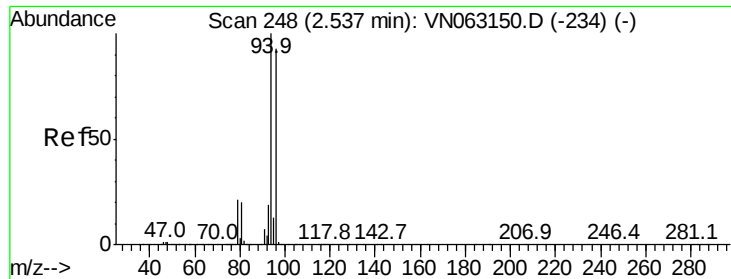
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 51.824 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

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SA-MW131I-20200901MSD

Tot Ion: 94 Resp: 211222

Ion Ratio Lower Upper

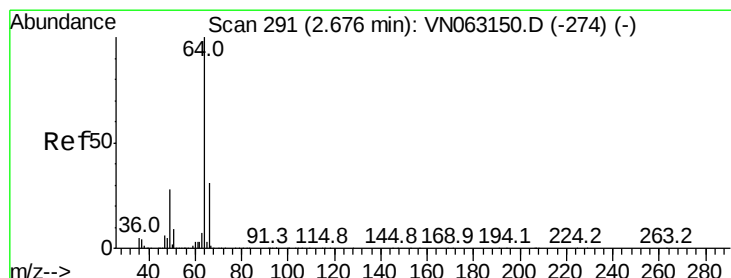
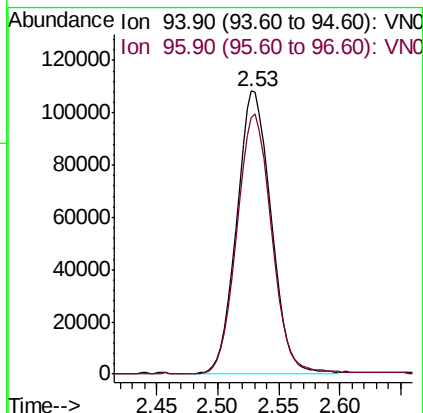
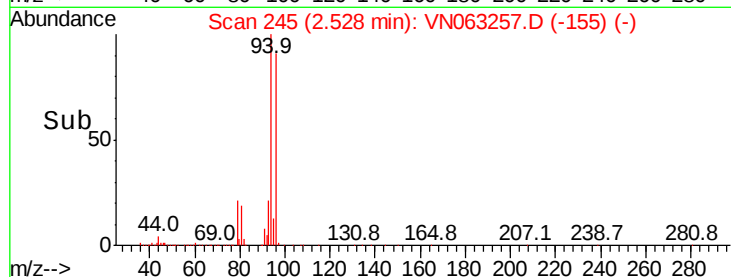
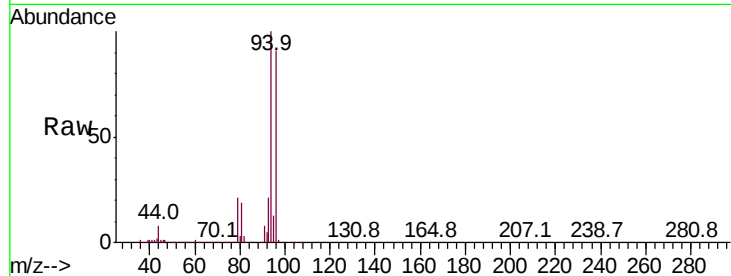
94 100

96 90.6 74.4 111.6

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#6

Chloroethane

Concen: 54.053 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063257.D

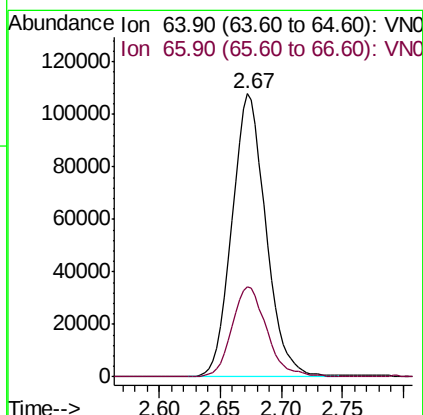
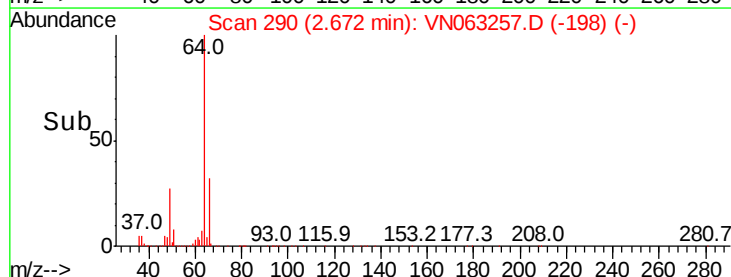
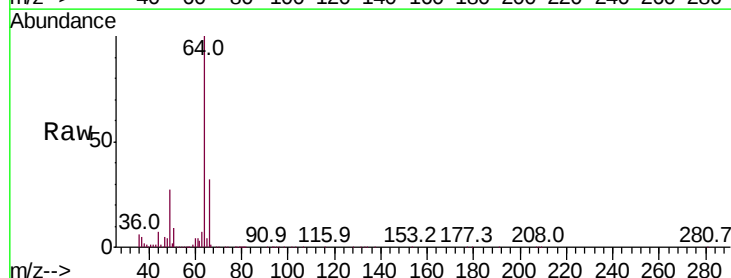
Acq: 4 Sep 2020 19:00

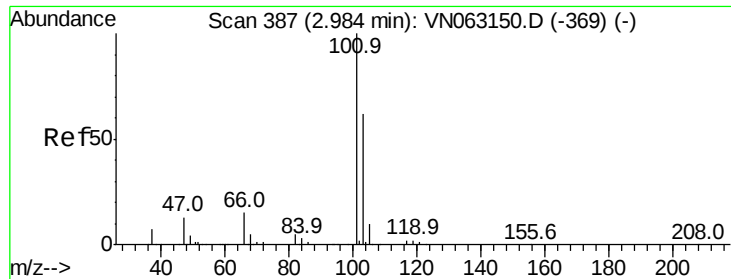
Tgt Ion: 64 Resp: 208093

Ion Ratio Lower Upper

64 100

66 32.0 24.7 37.1





#7

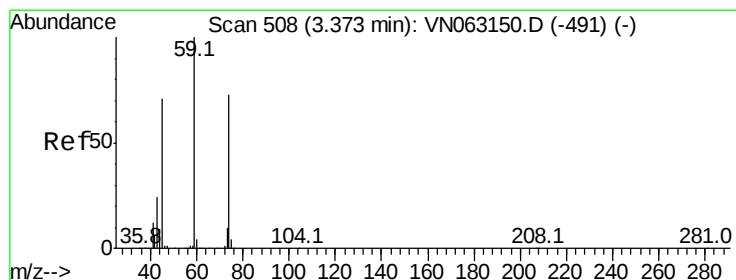
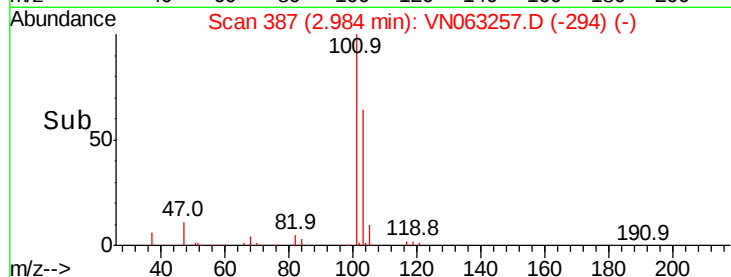
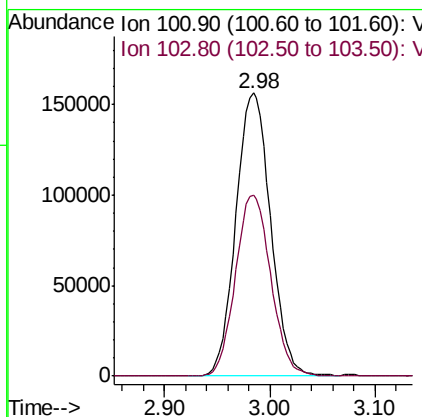
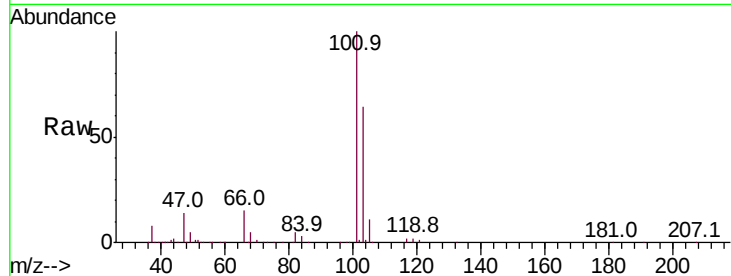
Trichlorofluoromethane
Concen: 53.833 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
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SA-MW131I-20200901MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	357621		
103	64.1	49.7	74.5	

Manual Integrations
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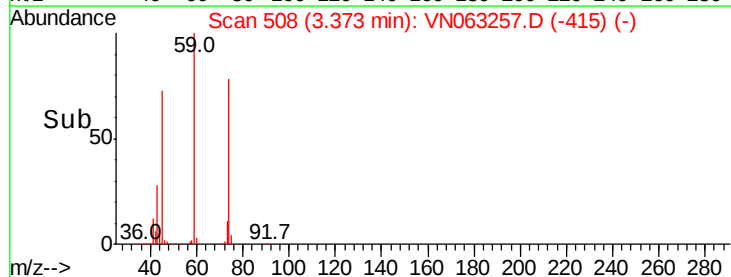
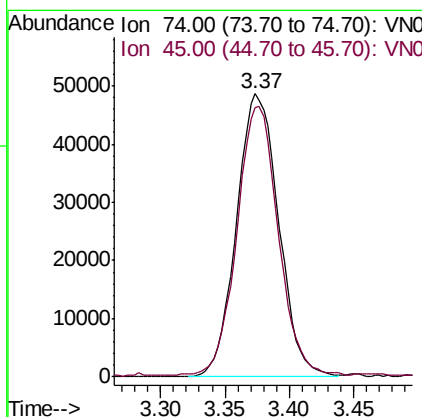
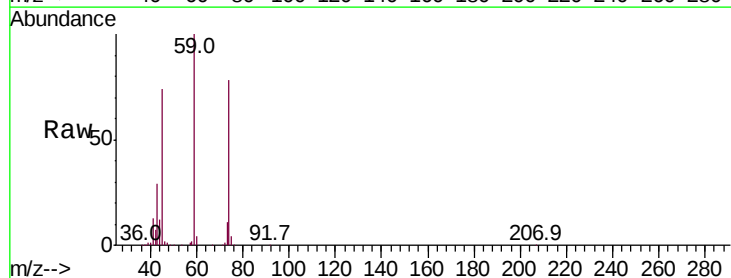
MMDadoda
9/8/2020 1:33:16 PM

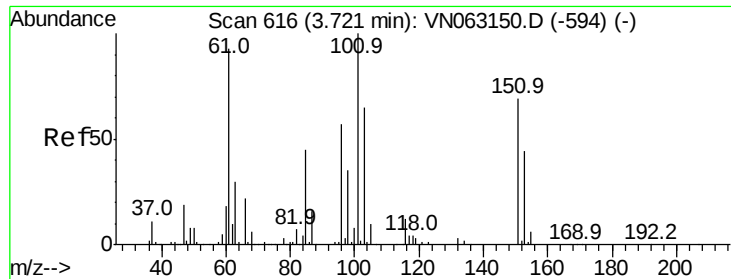


#8

Diethyl Ether
Concen: 47.823 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	110790		
45	93.3	49.5	148.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.553 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

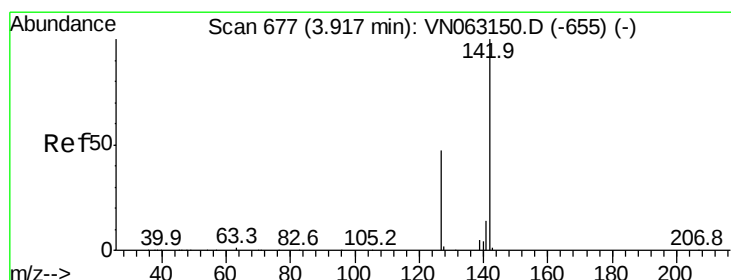
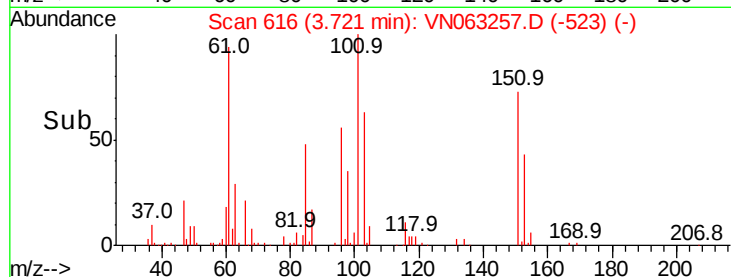
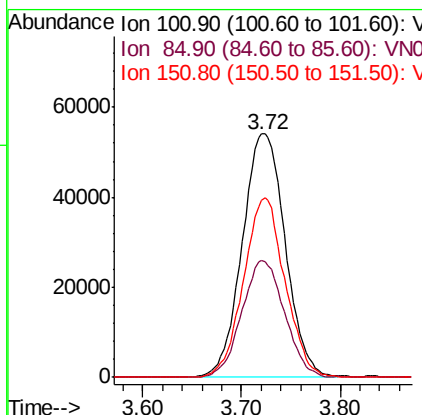
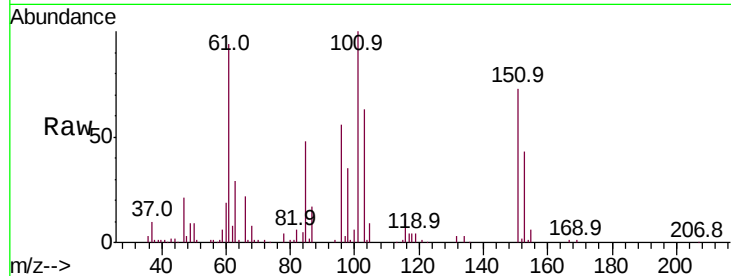
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:	101	Resp:	163086
Ion Ratio	Lower	Upper	
101	100		
85	47.7	37.8	56.8
151	70.9	55.0	82.4

Manual Integrations
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#10

Methyl Iodide

Concen: 49.286 ug/l

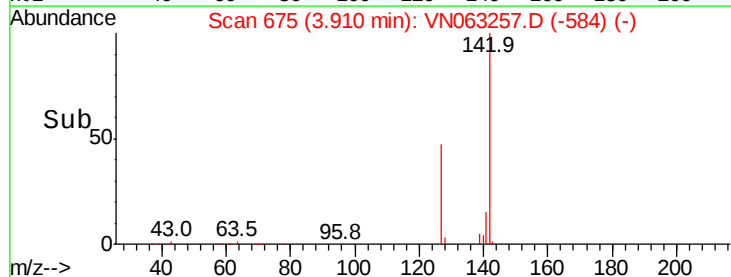
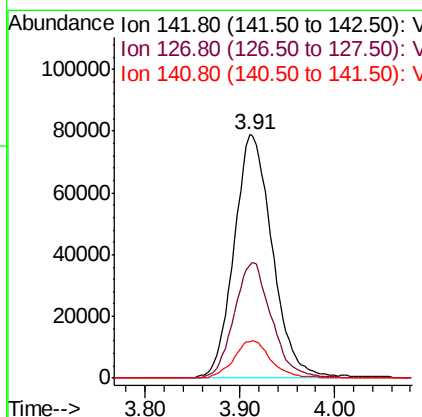
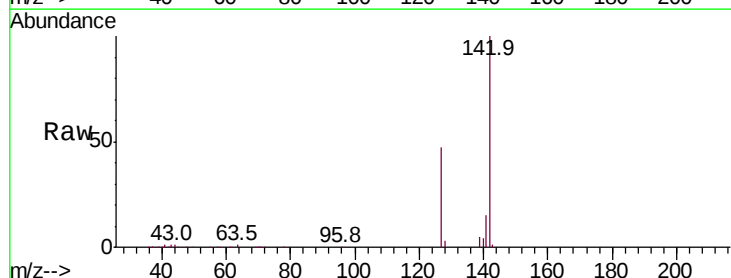
RT: 3.91 min Scan# 675

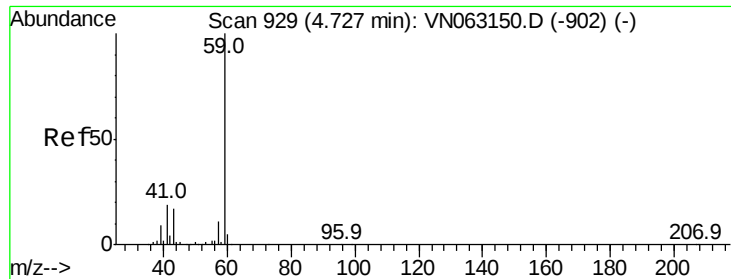
Delta R.T. -0.01 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion:	142	Resp:	221226
Ion Ratio	Lower	Upper	
142	100		
127	46.2	37.6	56.4
141	14.8	11.3	16.9





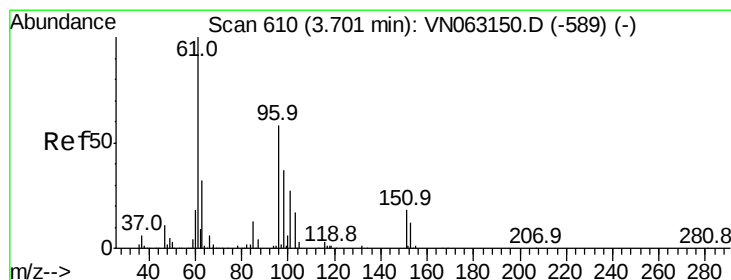
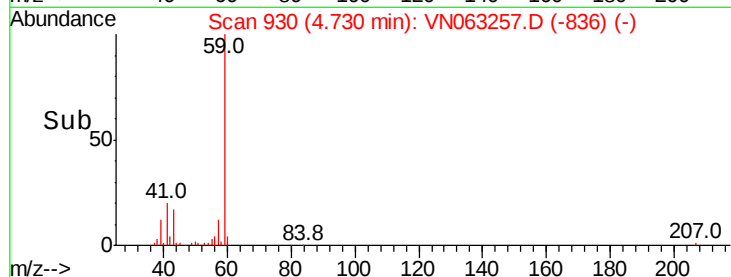
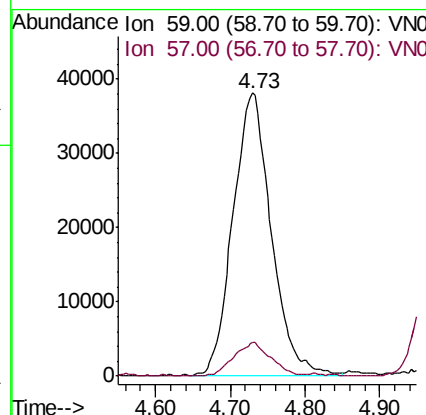
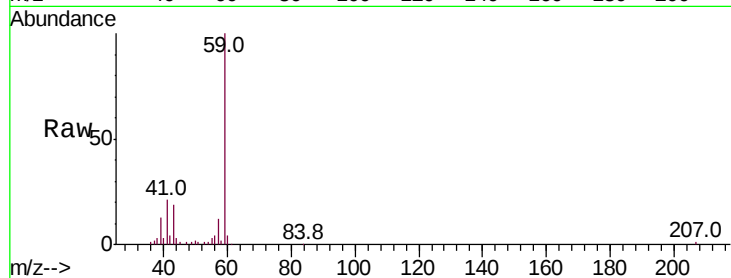
#11
Tert butyl alcohol
Concen: 222.244 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion: 59 Resp: 136310
Ion Ratio Lower Upper
59 100
57 11.4 8.4 12.6

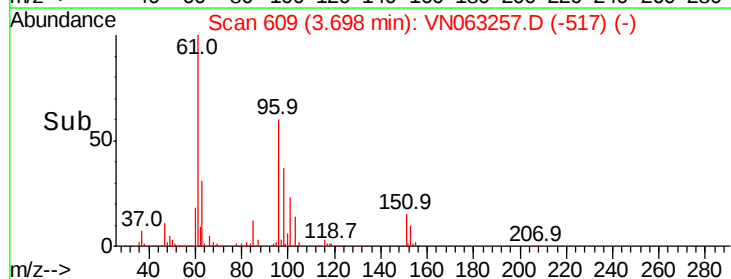
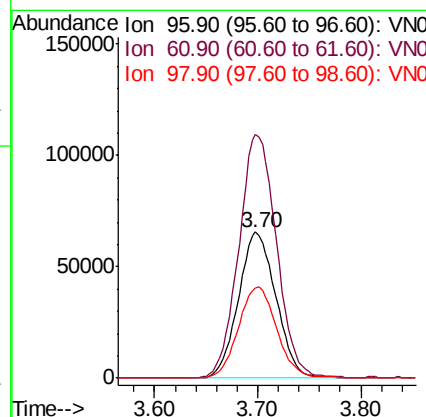
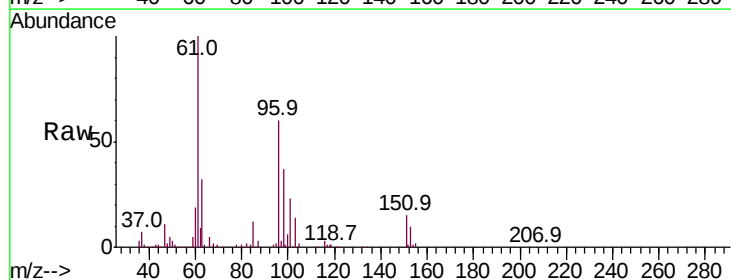
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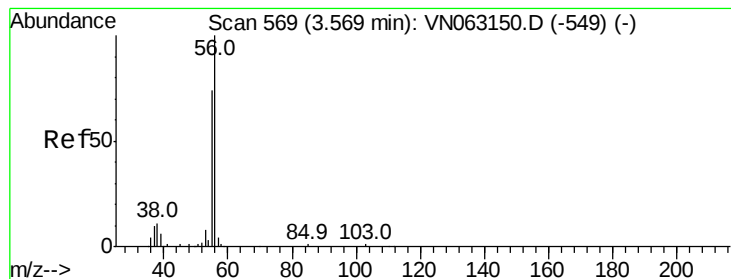
MMDadoda
9/8/2020 1:33:16 PM



#12
1,1-Dichloroethene
Concen: 49.544 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion: 96 Resp: 166149
Ion Ratio Lower Upper
96 100
61 167.1 137.4 206.2
98 62.0 50.5 75.7





#13

Acrolein

Concen: 296.761 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 56 Resp: 70031

Ion Ratio Lower Upper

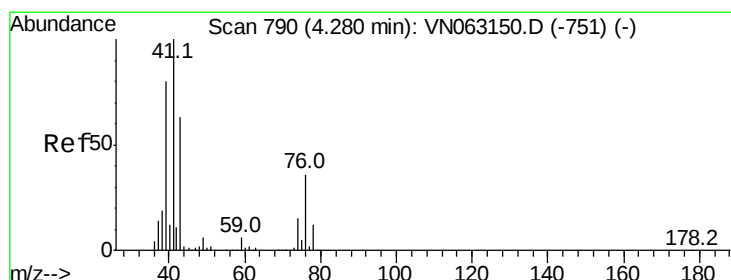
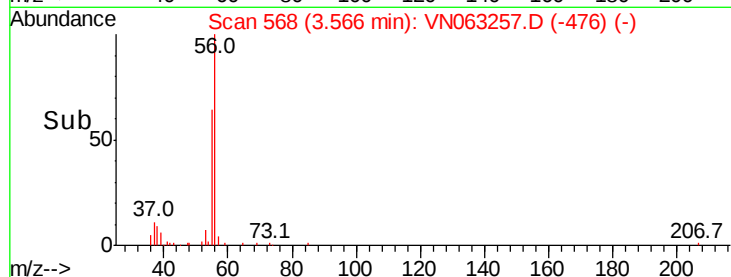
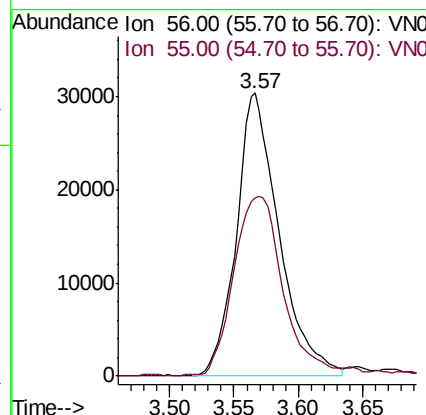
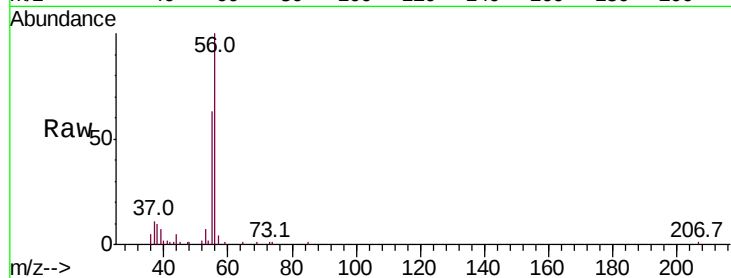
56 100

55 73.1 55.4 83.0

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#14

Allyl chloride

Concen: 47.870 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

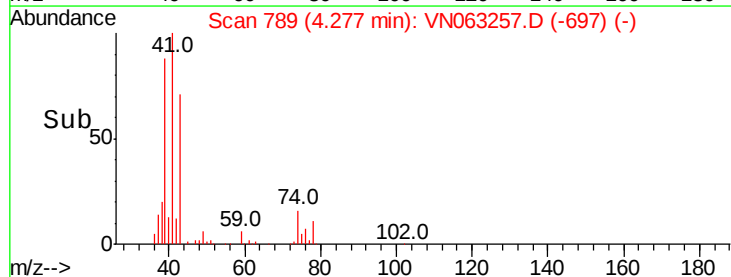
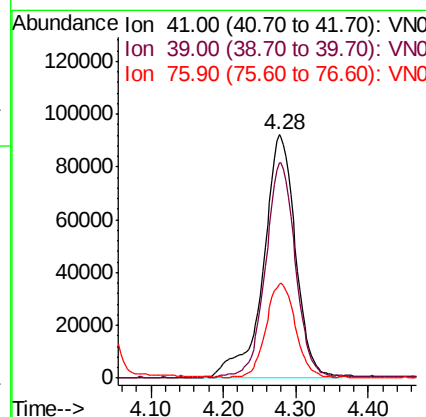
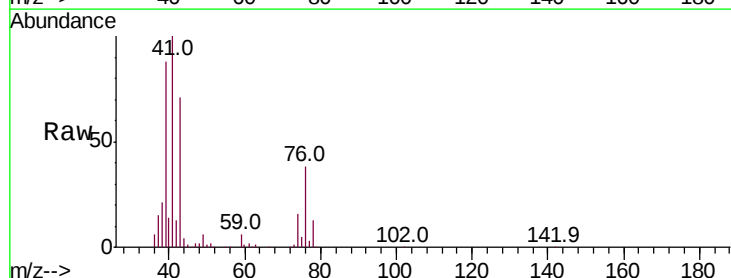
Tgt Ion: 41 Resp: 285109

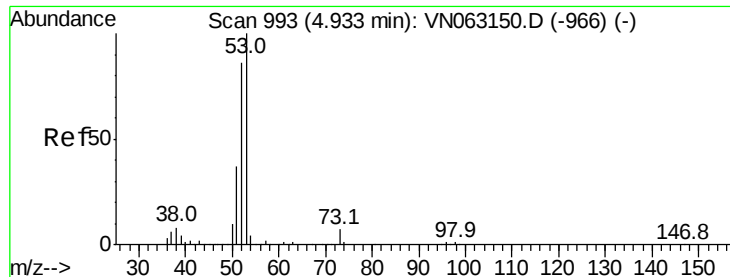
Ion Ratio Lower Upper

41 100

39 81.7 60.2 90.2

76 34.8 27.7 41.5





#15

Acrylonitrile

Concen: 255.409 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

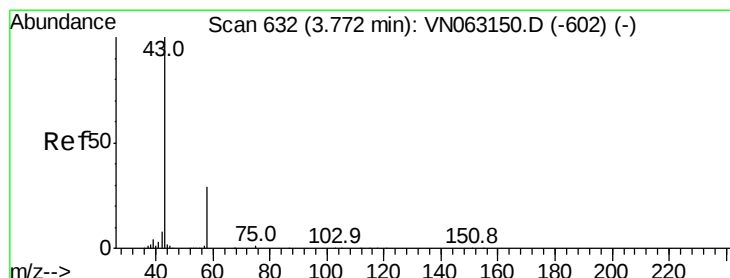
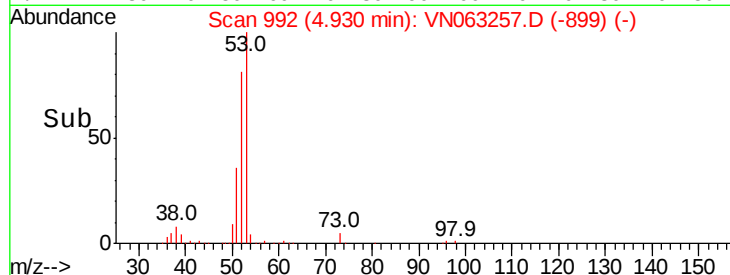
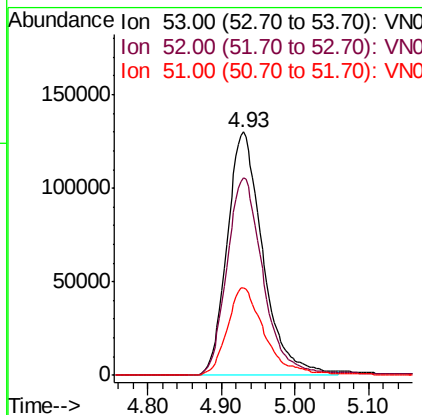
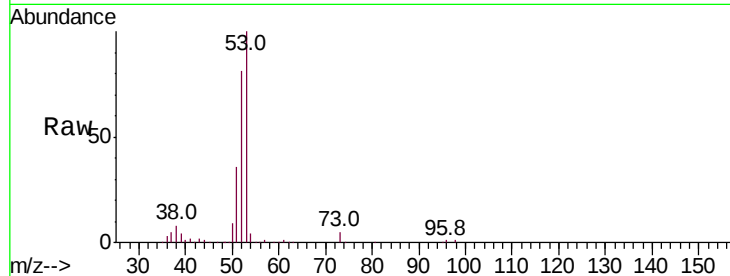
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:	53	Resp:	438888
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.2	100.8
51	37.1	30.2	45.4

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#16

Acetone

Concen: 256.351 ug/l

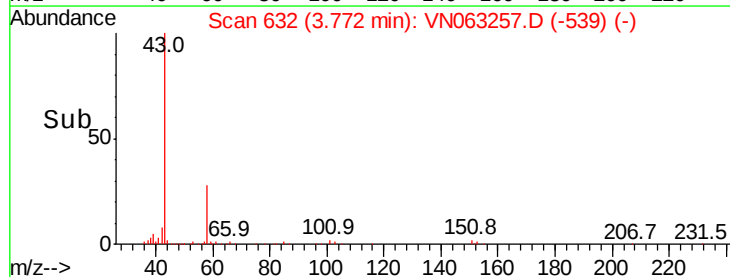
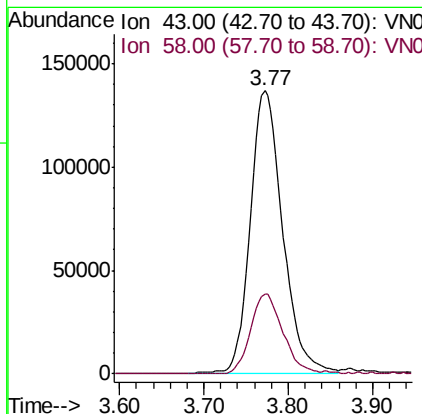
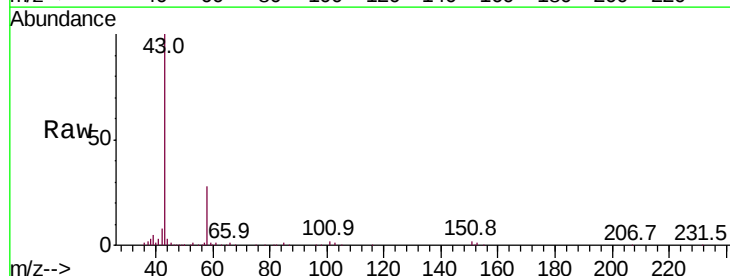
RT: 3.77 min Scan# 632

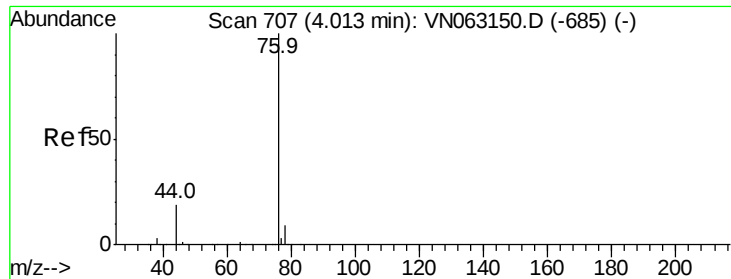
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion:	43	Resp:	364121
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.1	34.7





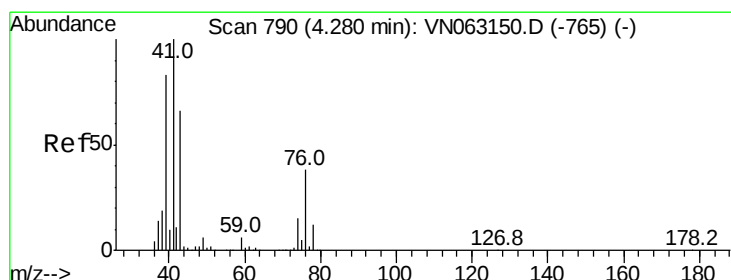
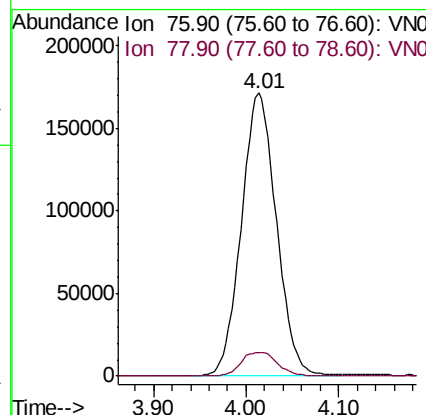
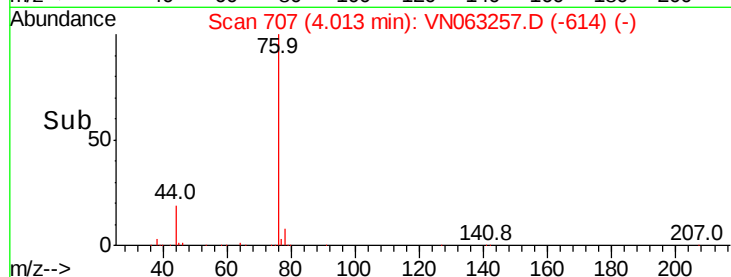
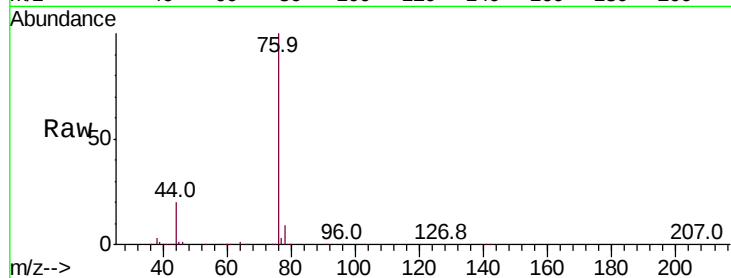
#17
Carbon Disulfide
Concen: 45.100 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion: 76 Resp: 450174
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3

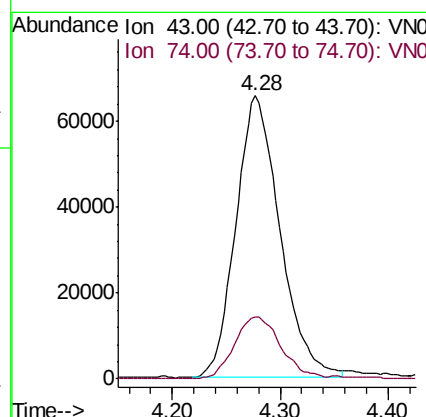
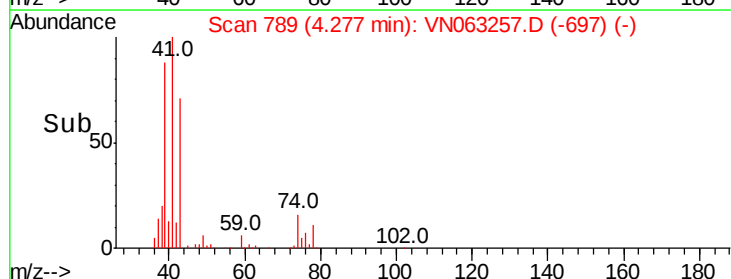
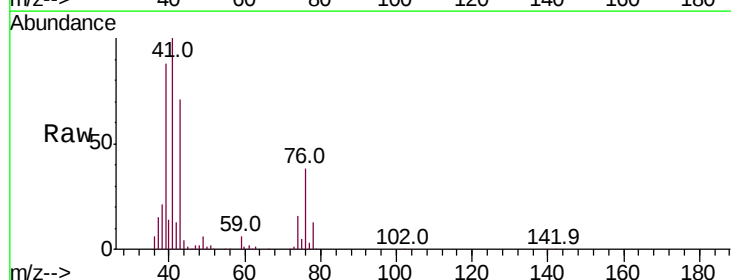
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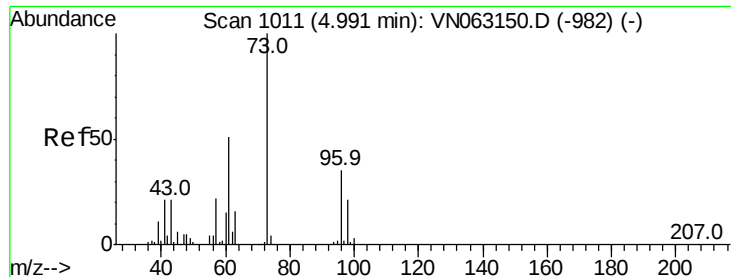
MMDadoda
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#18
Methyl Acetate
Concen: 51.046 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion: 43 Resp: 185909
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6





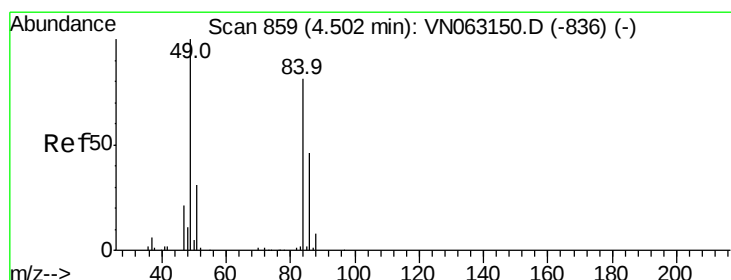
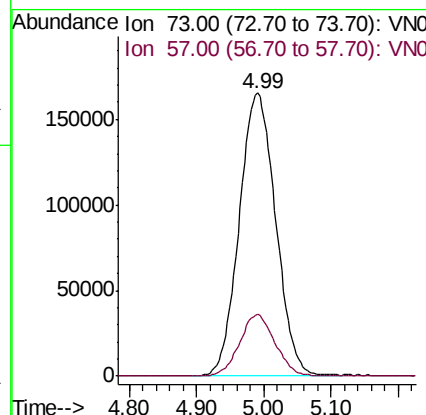
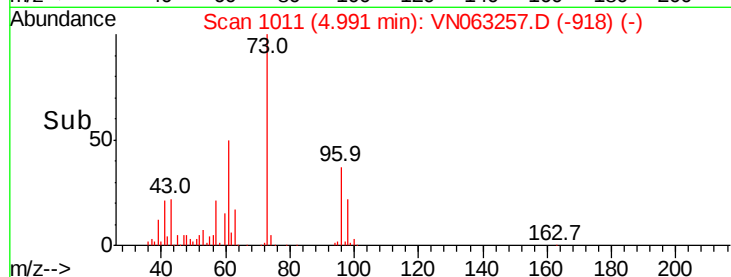
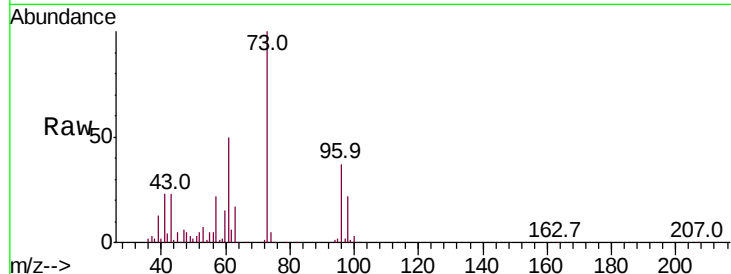
#19
Methvl tert-butvl Ether
Concen: 49.985 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion: 73 Resp: 621842
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

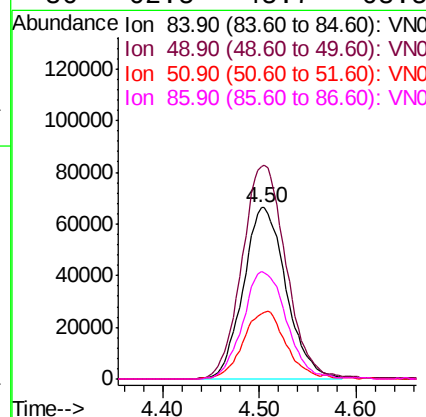
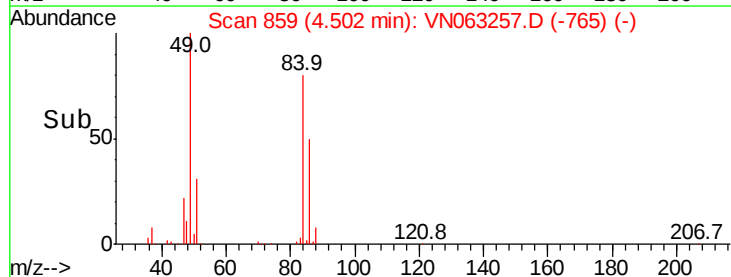
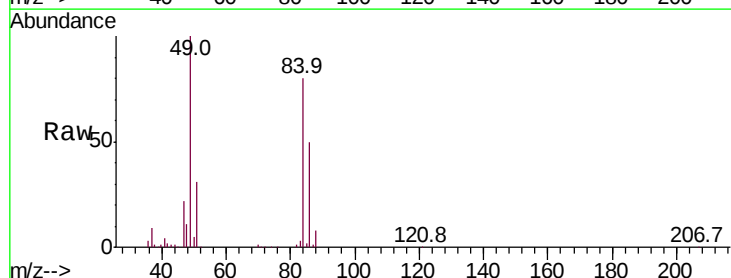
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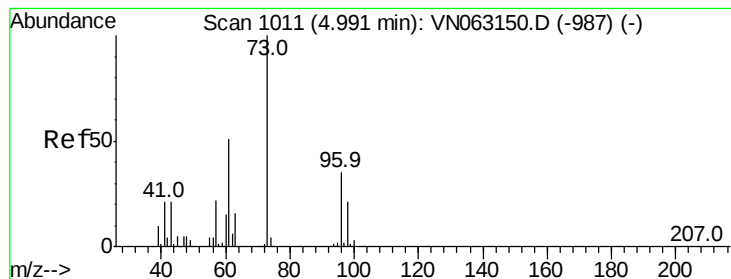
MMDadoda
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#20
Methylene Chloride
Concen: 51.223 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion: 84 Resp: 204534
Ion Ratio Lower Upper
84 100
49 124.2 98.4 147.6
51 37.8 30.4 45.6
86 62.5 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 52.014 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 96 Resp: 192713

Ion Ratio Lower Upper

96 100

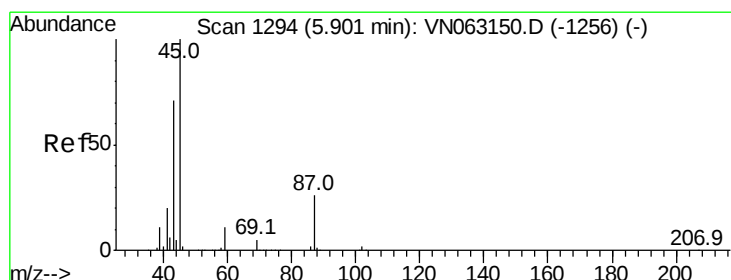
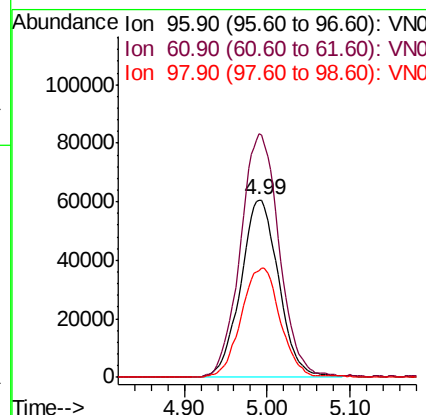
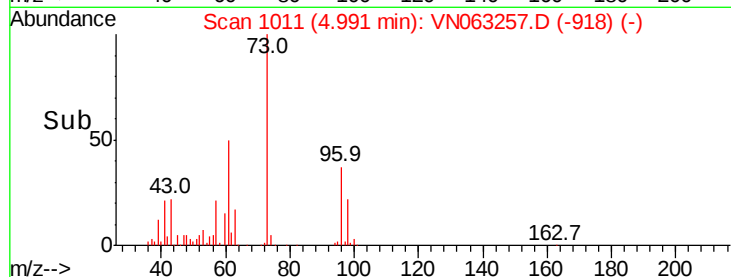
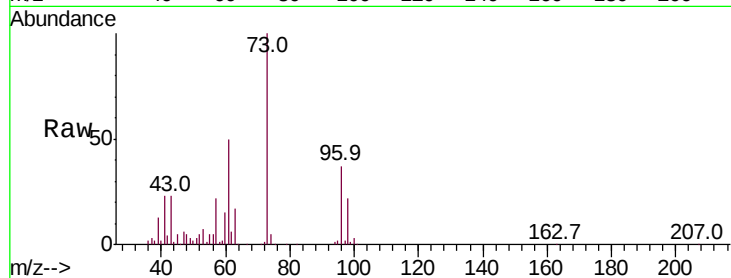
61 137.2 116.2 174.4

98 59.8 48.0 72.0

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#22

Diisopropyl ether

Concen: 50.171 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion: 45 Resp: 669626

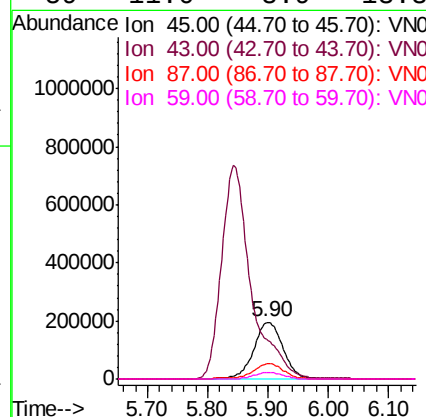
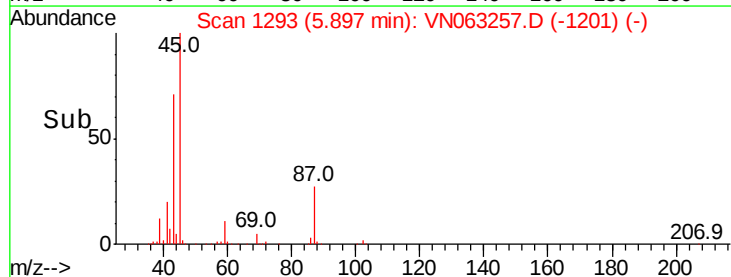
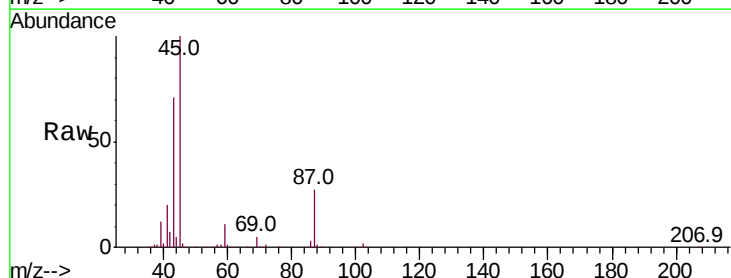
Ion Ratio Lower Upper

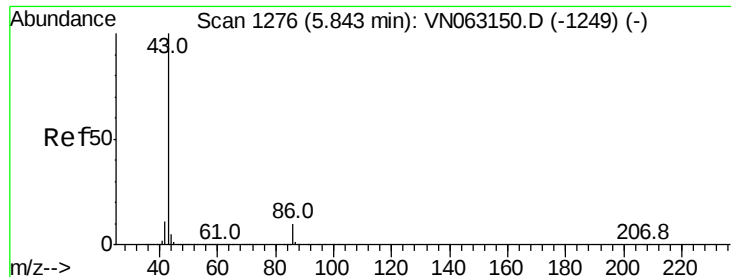
45 100

43 70.4 56.8 85.2

87 26.8 21.1 31.7

59 11.0 8.9 13.3





#23

Vinyl Acetate

Concen: 235.425 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 43 Resp: 2507173

Ion Ratio Lower Upper

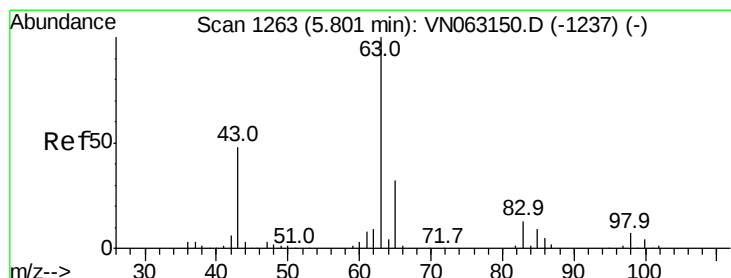
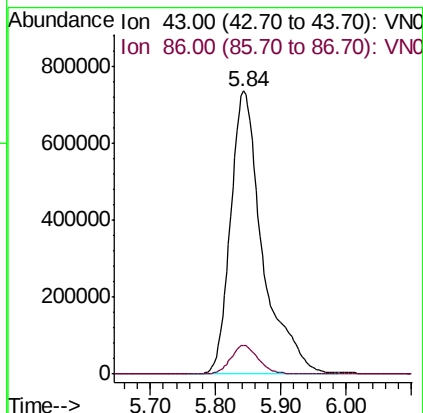
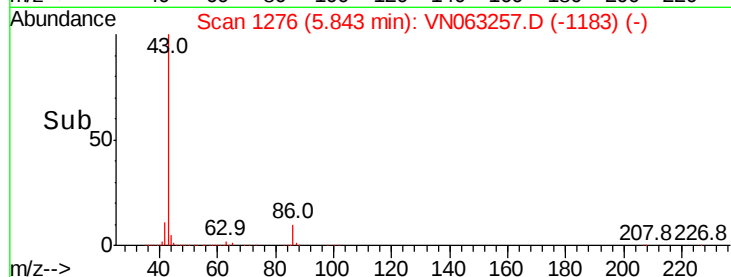
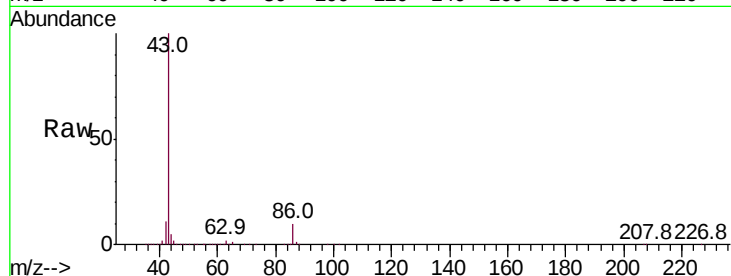
43 100

86 10.2 8.3 12.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 50.470 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

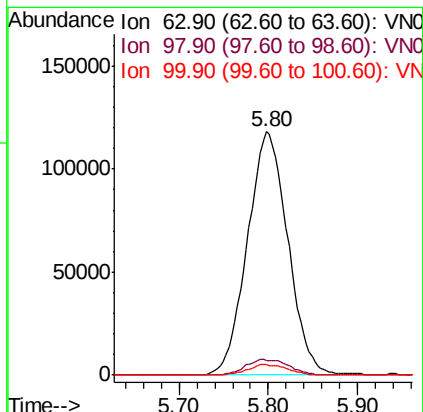
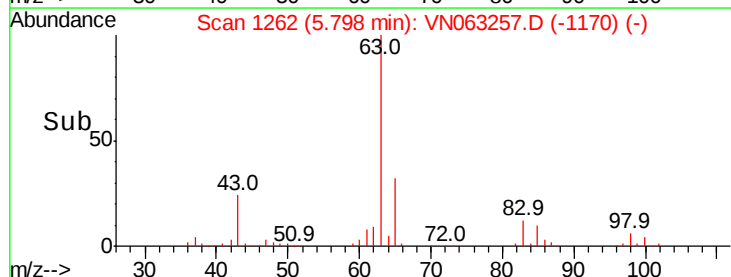
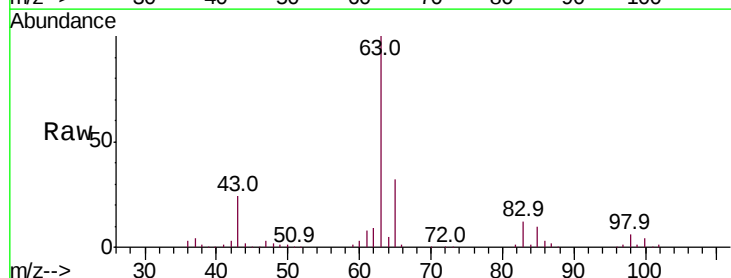
Tgt Ion: 63 Resp: 371349

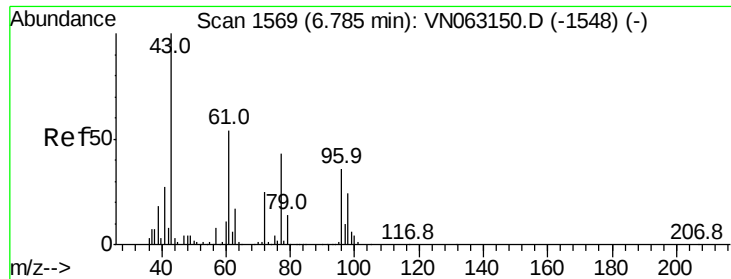
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

100 4.1 2.3 6.8





#25

2-Butanone

Concen: 263.749 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 43 Resp: 580075

Ion Ratio Lower Upper

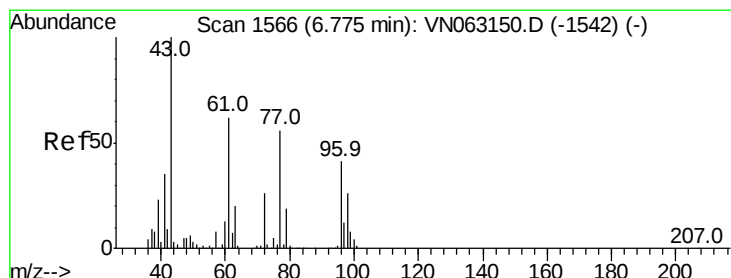
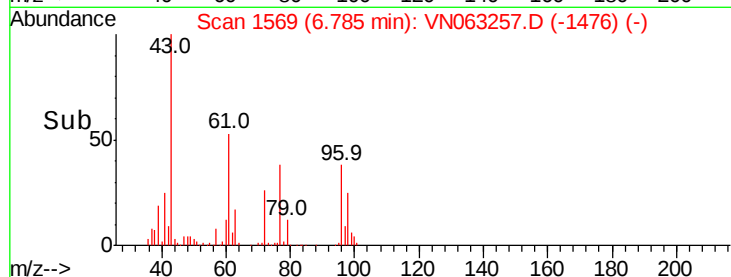
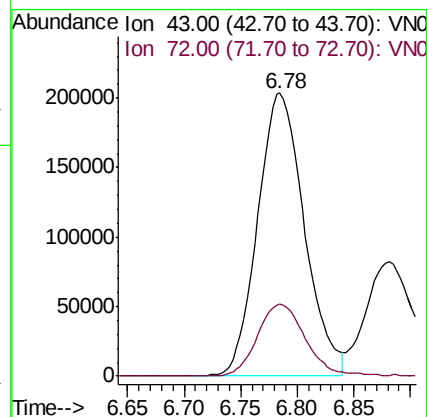
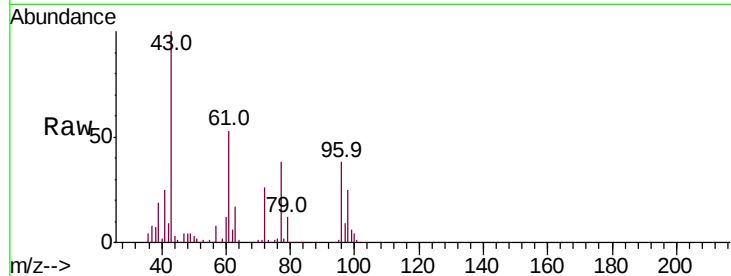
43 100

72 25.6 20.2 30.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 39.211 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063257.D

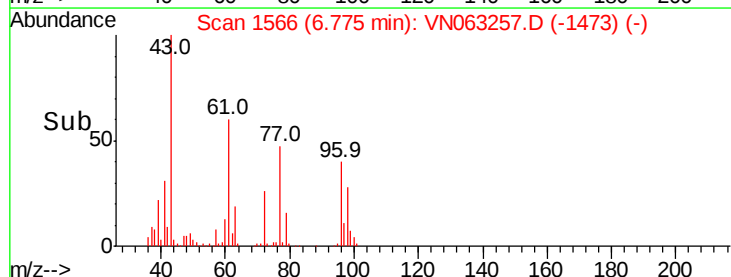
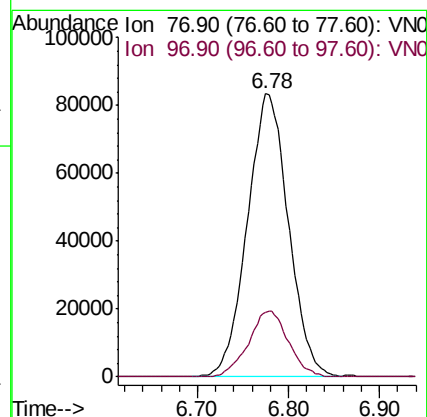
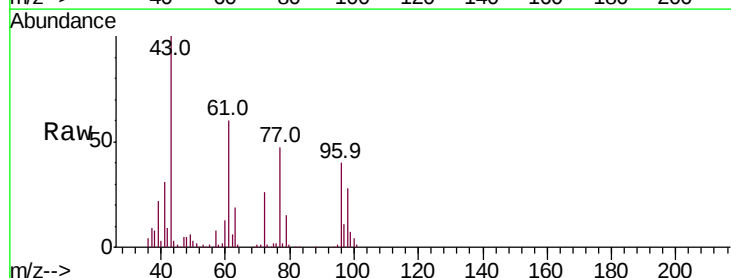
Acq: 4 Sep 2020 19:00

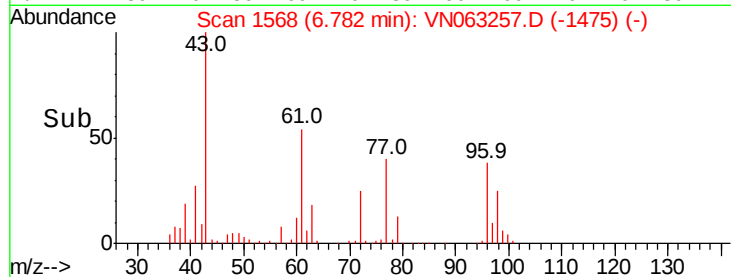
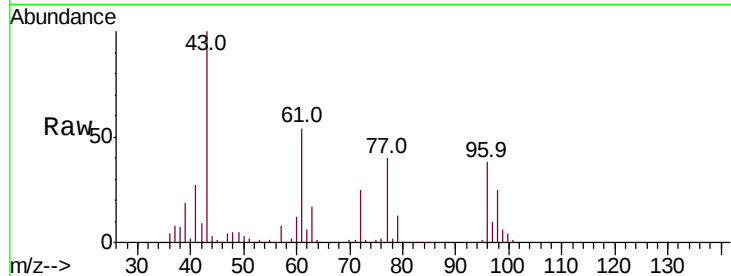
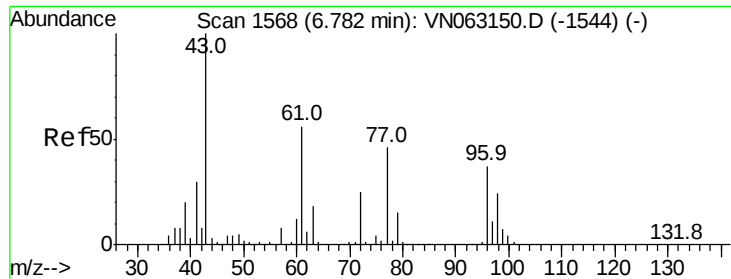
Tgt Ion: 77 Resp: 261397

Ion Ratio Lower Upper

77 100

97 22.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.311 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063257.D

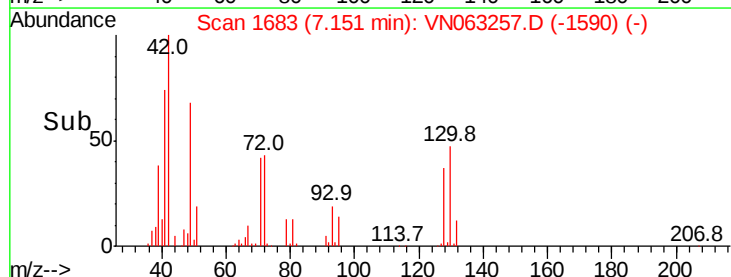
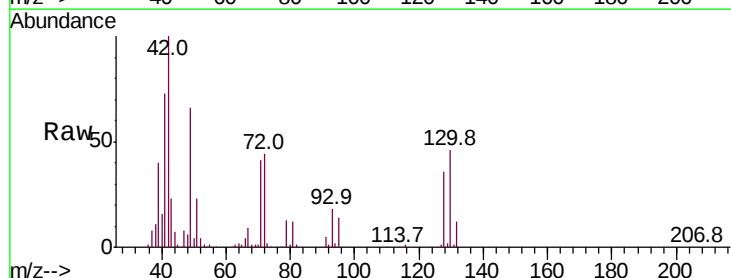
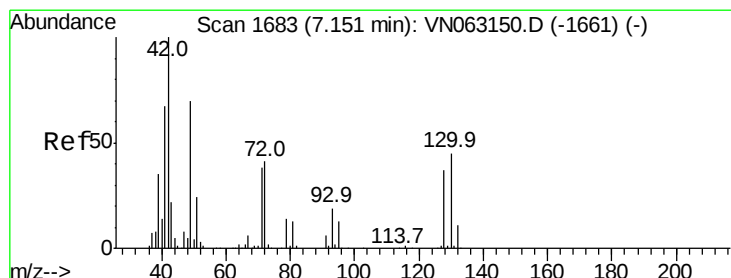
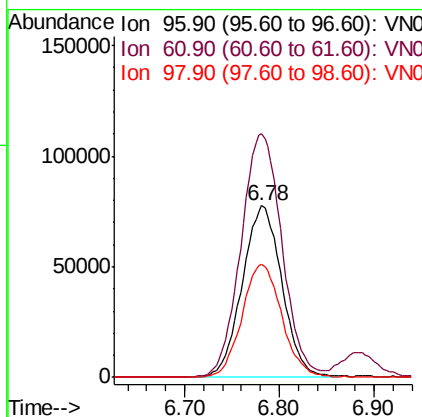
Acq: 4 Sep 2020 19:00

Tot Ion:	96	Resp:	226569
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	303.2
98	66.1	0.0	129.0

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Manual Integrations
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#28

Bromochloromethane

Concen: 47.390 ug/l

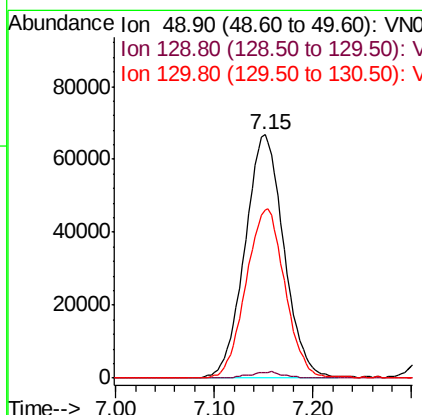
RT: 7.15 min Scan# 1683

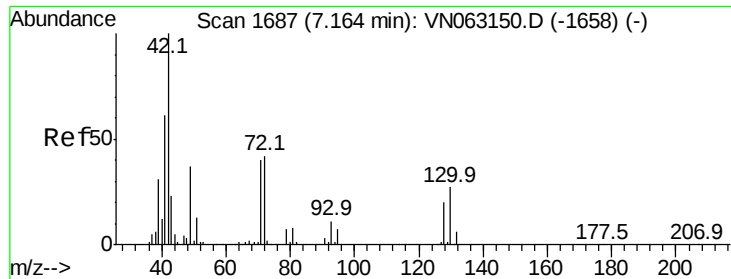
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion:	49	Resp:	182170
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	69.3	54.4	81.6





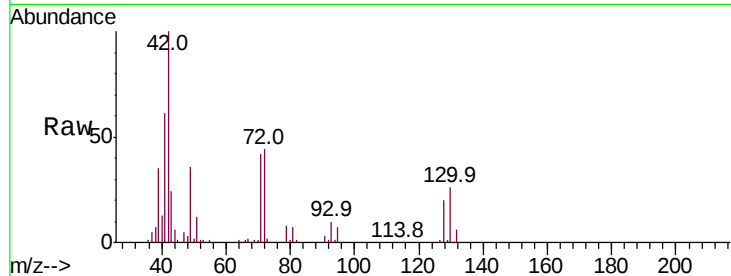
#29
Tetrahydrofuran
Concen: 260.638 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

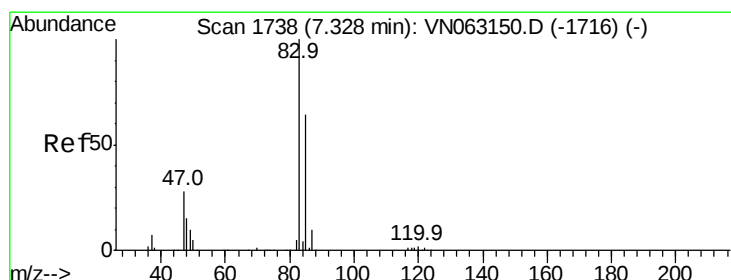
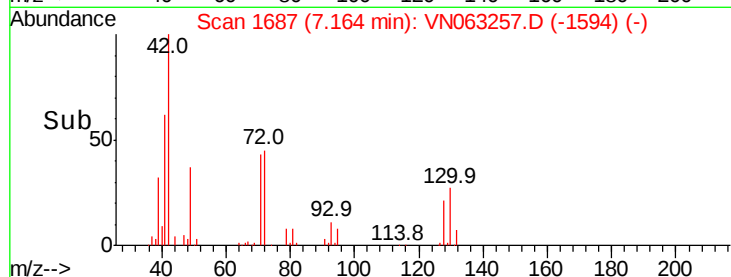
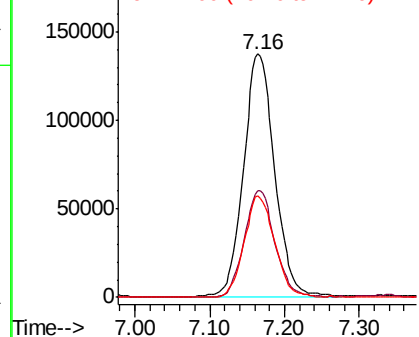
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.9	50.9
71	40.9	31.9	47.9

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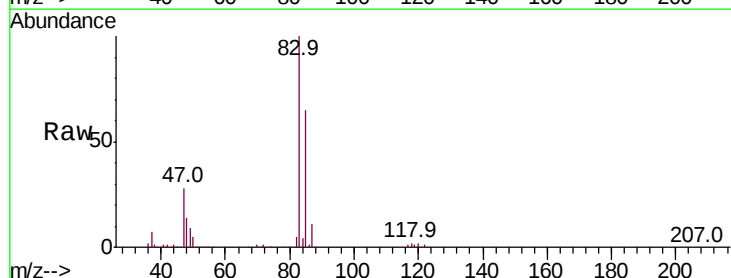


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

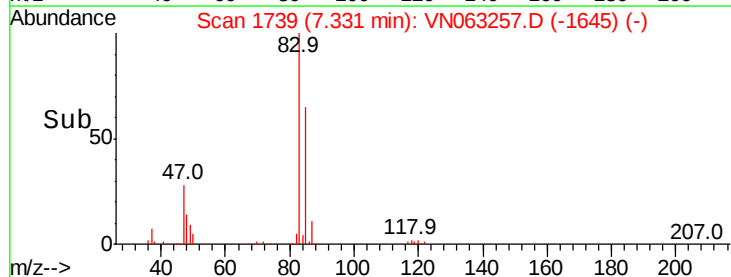
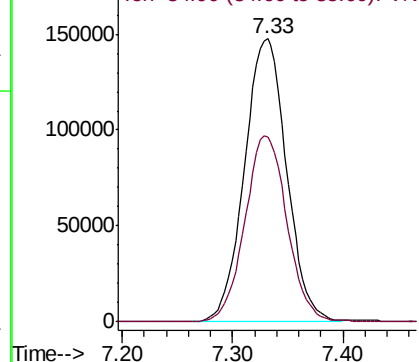


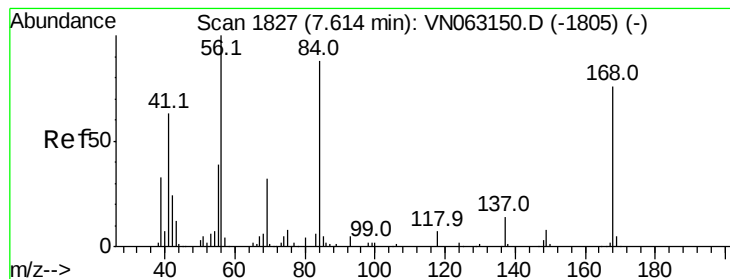
#30
Chloroform
Concen: 50.839 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.124 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 56 Resp: 299948

Ion Ratio Lower Upper

56 100

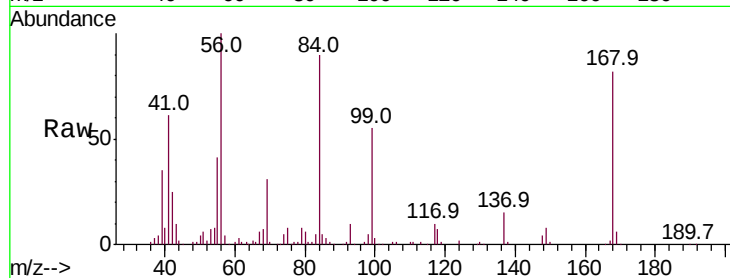
69 31.1 25.4 38.0

84 89.1 70.2 105.4

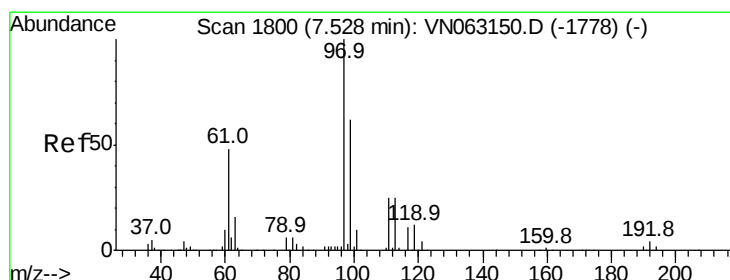
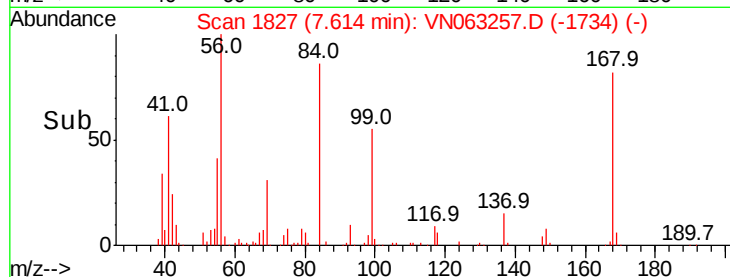
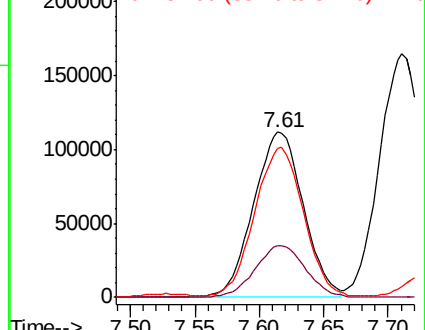
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 52.139 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

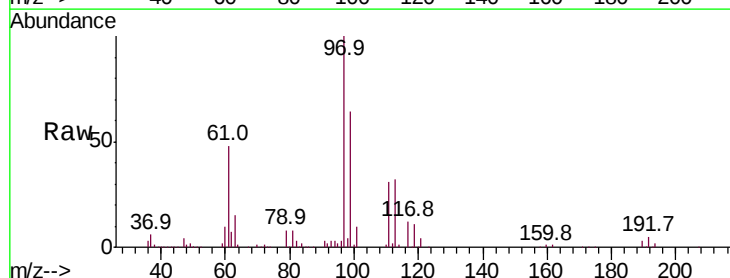
Tgt Ion: 97 Resp: 345859

Ion Ratio Lower Upper

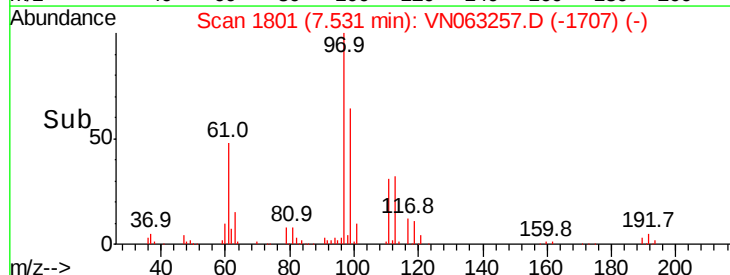
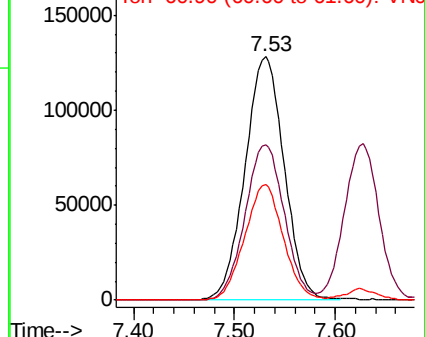
97 100

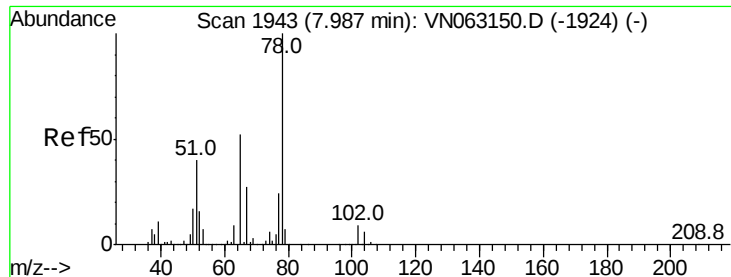
99 64.1 50.8 76.2

61 46.8 37.4 56.2



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





#33

1,2-Dichloroethane-d4

Concen: 52.865 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063257.D

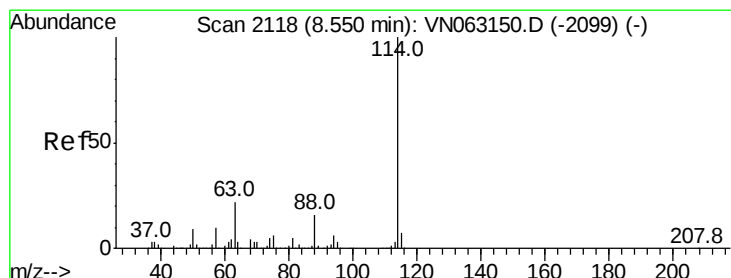
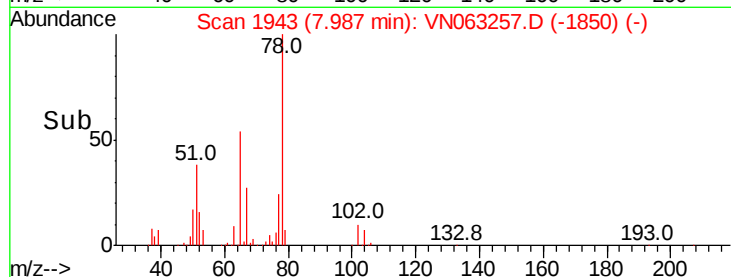
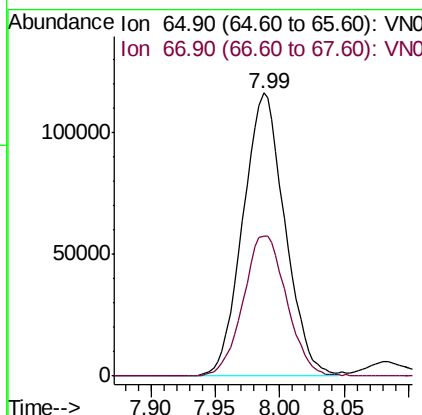
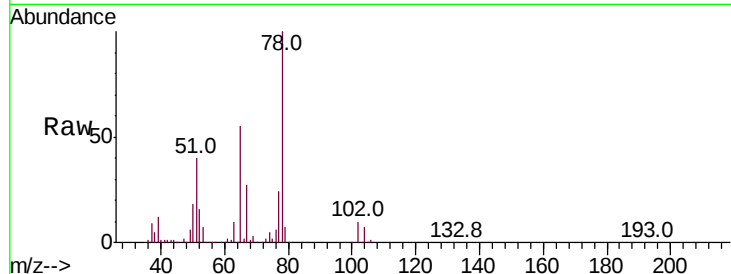
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

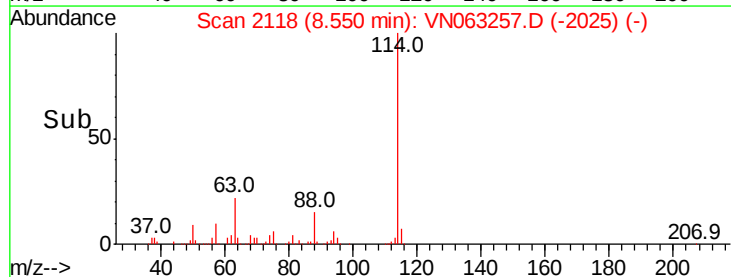
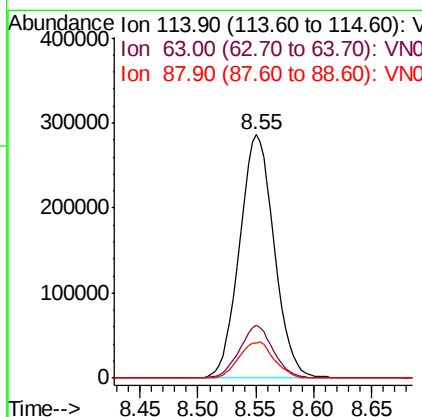
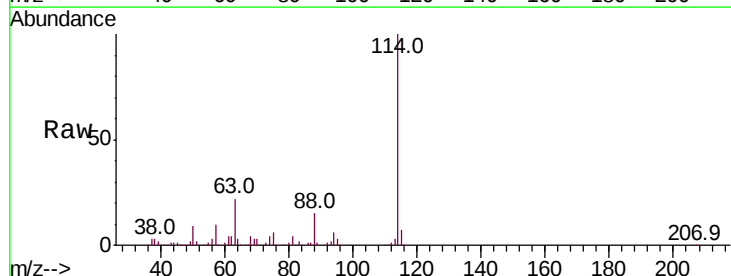
RT: 8.55 min Scan# 2118

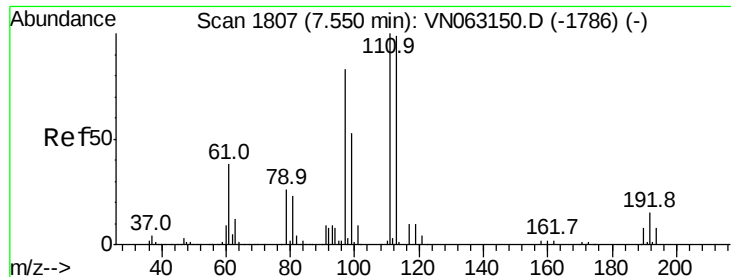
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	14.6	0.0	31.6





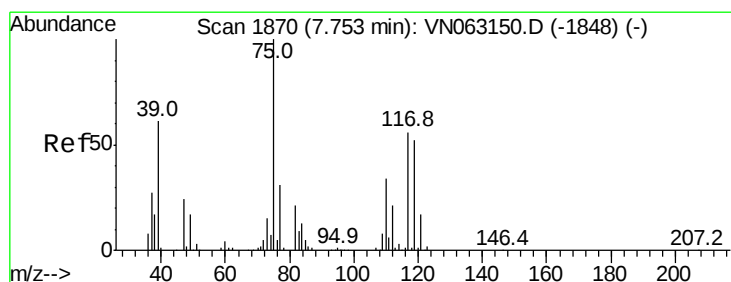
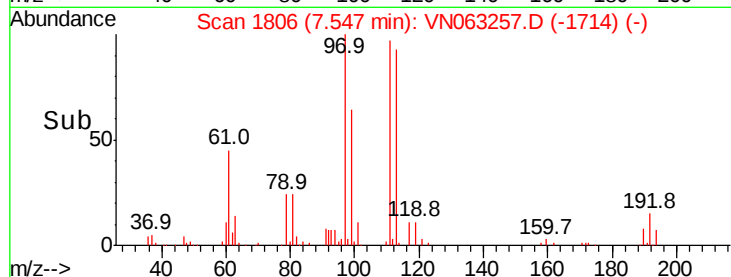
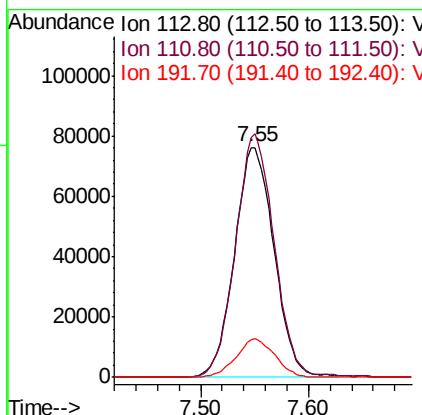
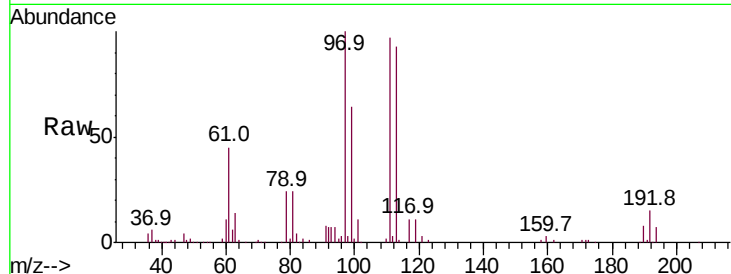
#35
 Dibromofluoromethane
 Concen: 50.876 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194454		
111	103.1	80.7	121.1	
192	16.3	12.6	19.0	

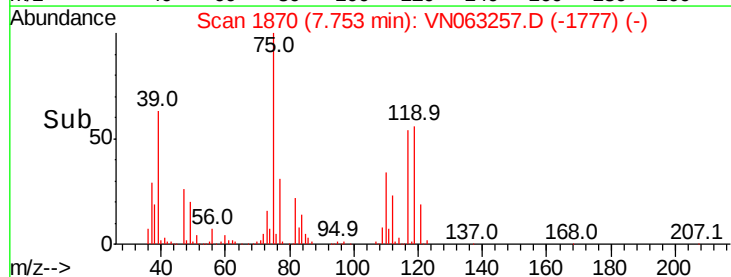
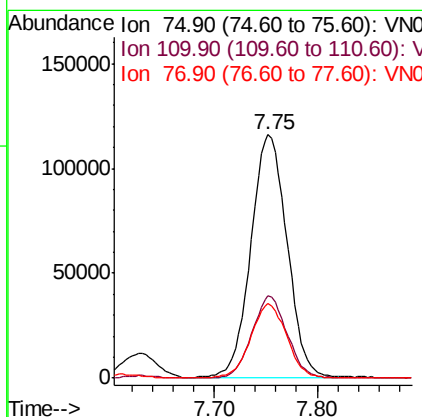
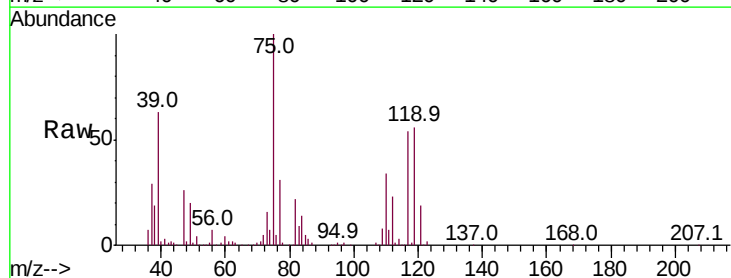
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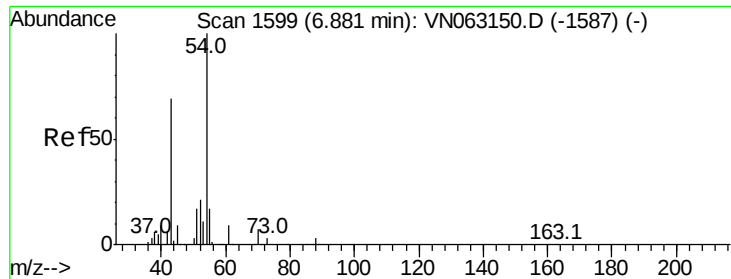
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#36
 1,1-Dichloropropene
 Concen: 49.233 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	281975		
110	33.0	16.6	49.8	
77	30.8	25.4	38.2	





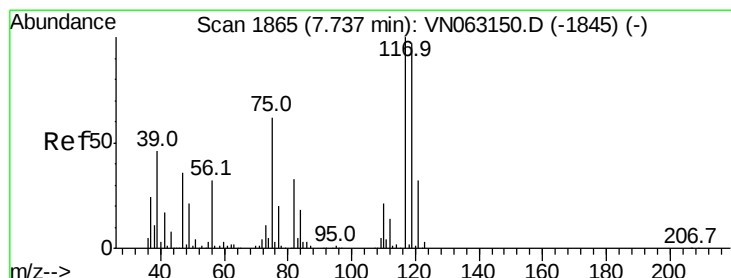
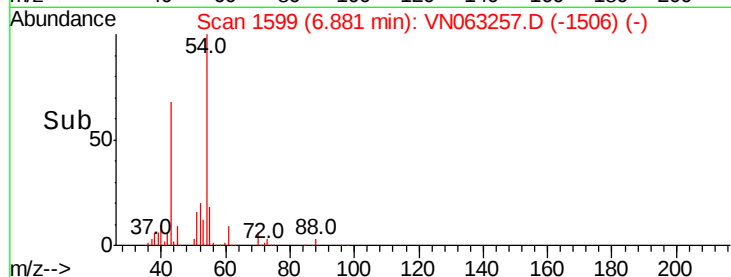
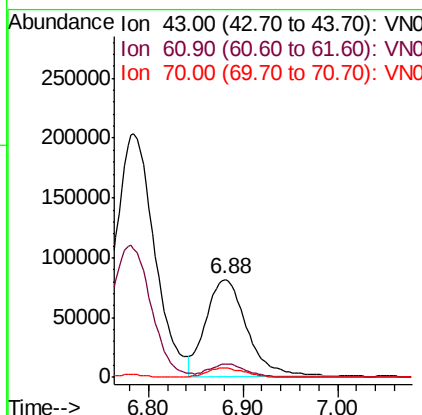
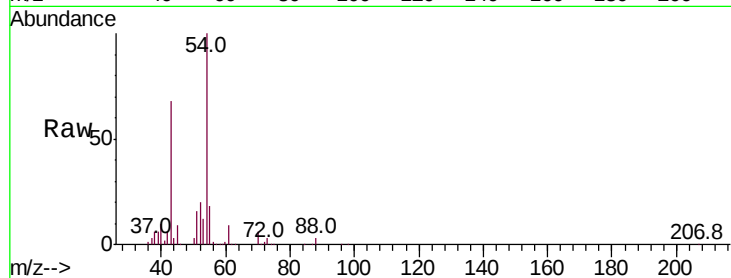
#37
Ethyl Acetate
Concen: 45.042 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.4
70	8.9	3.0	4.6

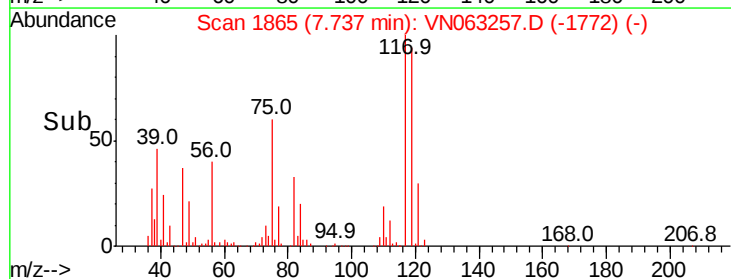
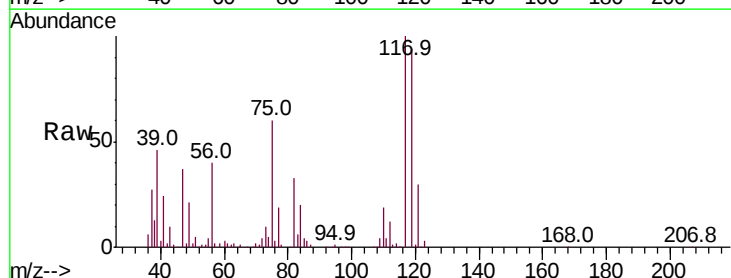
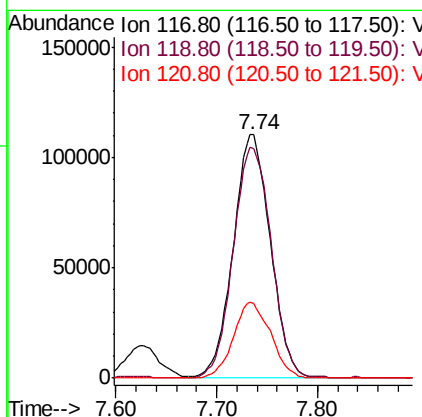
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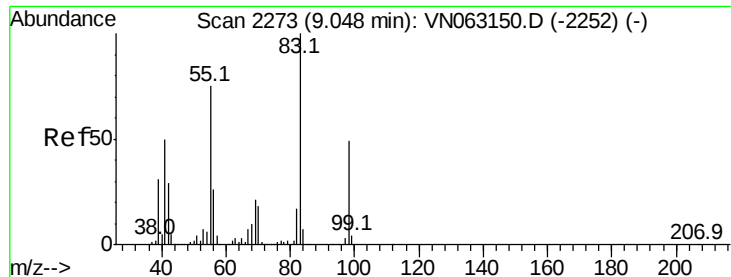
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#38
Carbon Tetrachloride
Concen: 48.471 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.2	115.8
121	30.6	25.6	38.4





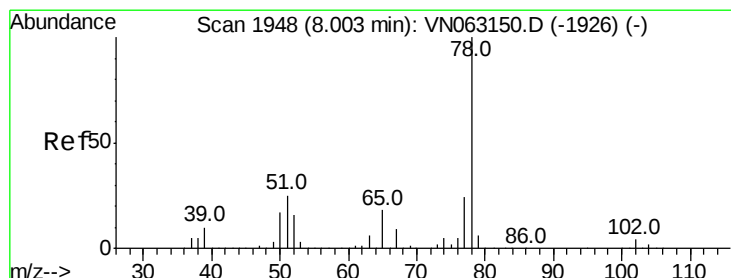
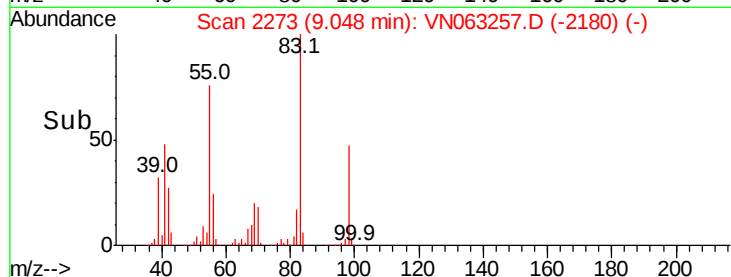
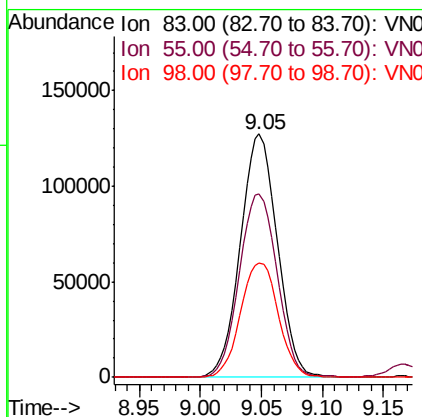
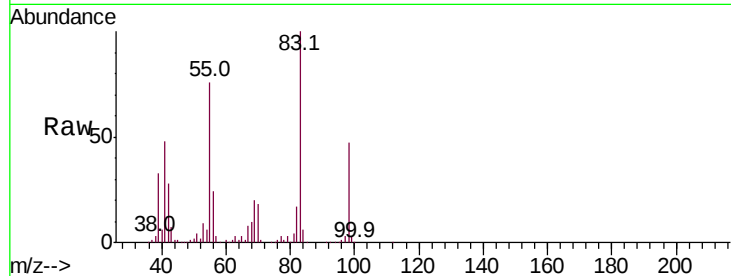
#39
Methvlcvclohexane
Concen: 41.437 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	266620		
55	75.4		60.3	90.5
98	47.0		38.9	58.3

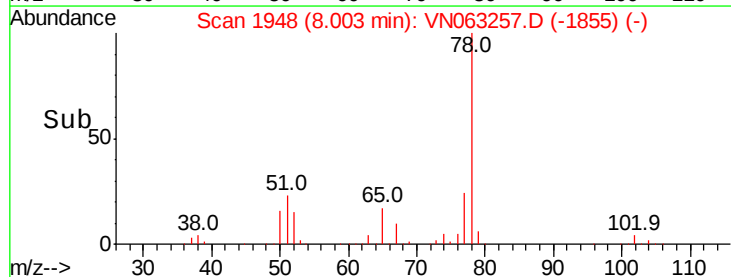
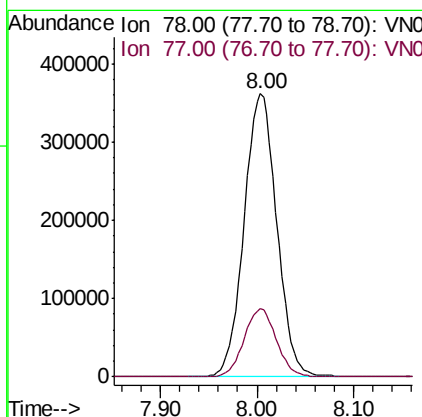
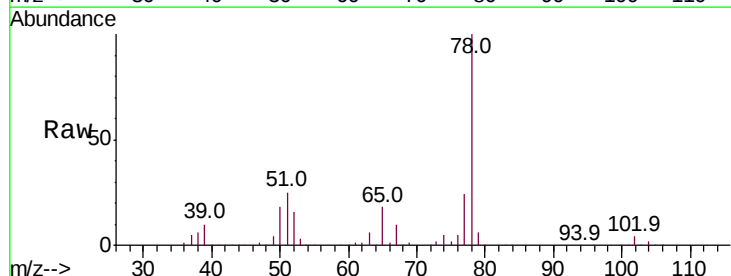
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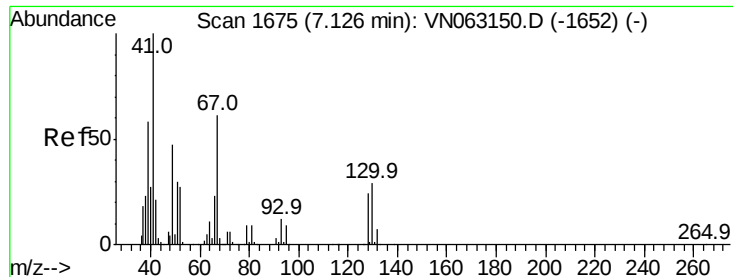
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#40
Benzene
Concen: 50.414 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	848507		
77	23.9		19.3	28.9





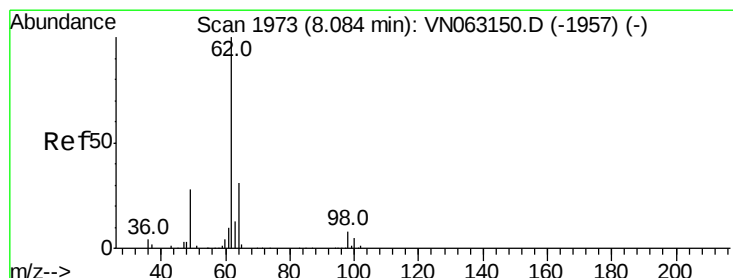
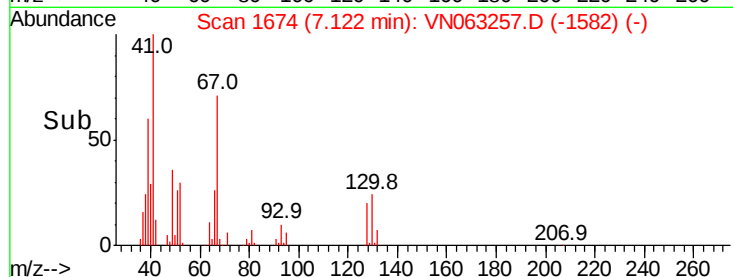
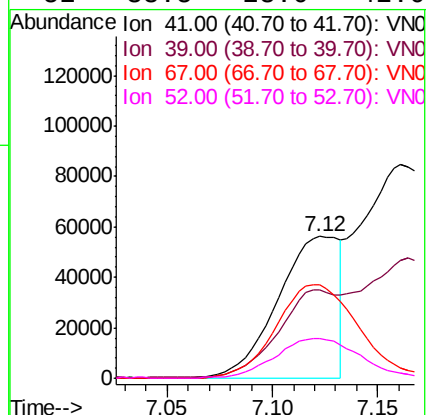
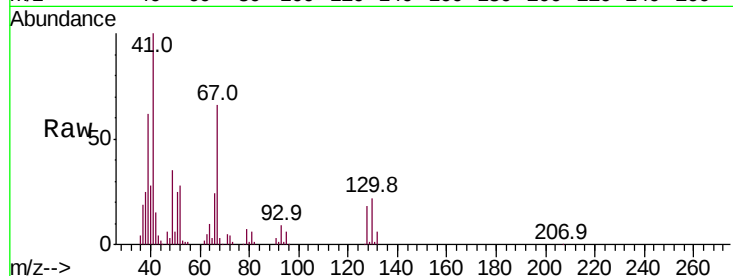
#41
Methacrylonitrile
Concen: 47.216 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	46.6	70.0
67	89.6	62.6	94.0
52	38.5	28.0	42.0

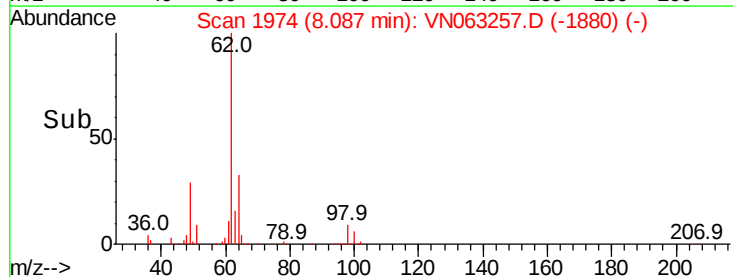
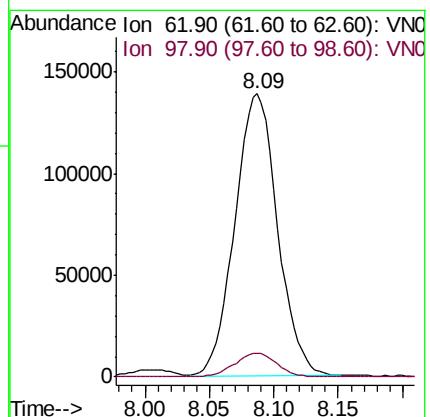
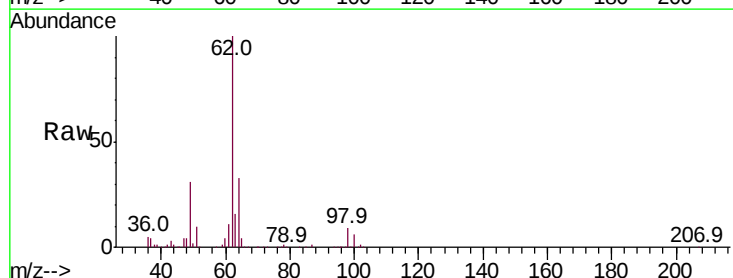
Manual Integrations
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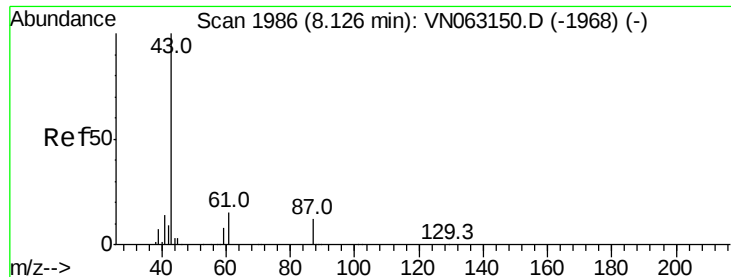
MMDadoda
9/8/2020 1:33:16 PM



#42
1,2-Dichloroethane
Concen: 50.686 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 47.955 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

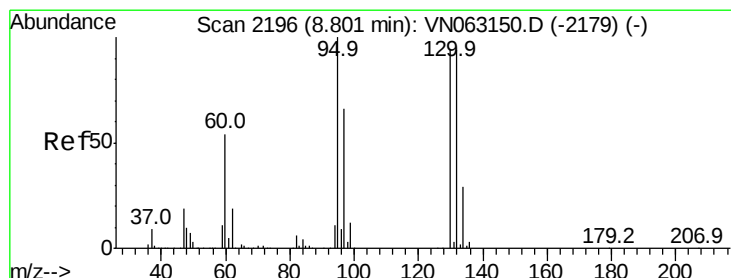
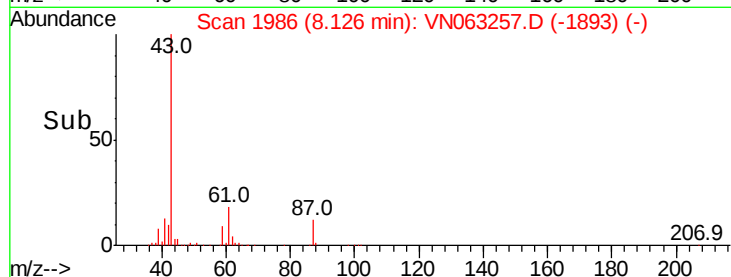
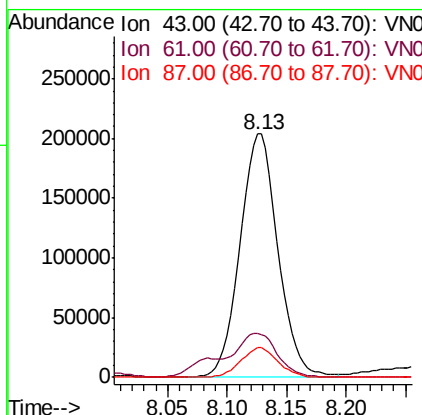
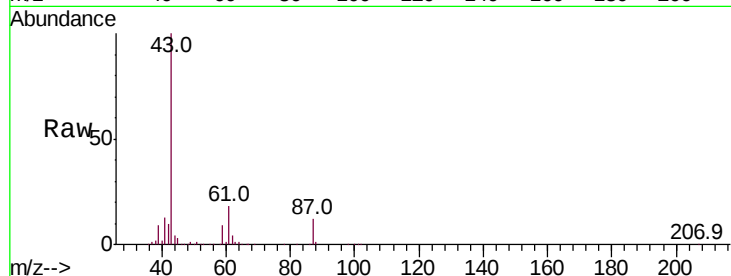
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:	43	Resp:	447929
Ion	Ratio	Lower	Upper
43	100		
61	18.5	20.2	30.4#
87	12.1	9.8	14.6

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#44

Trichloroethene

Concen: 52.440 ug/l

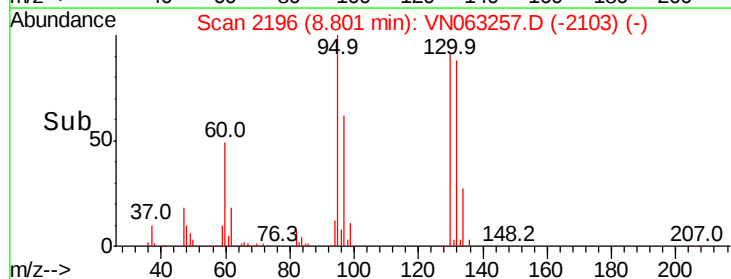
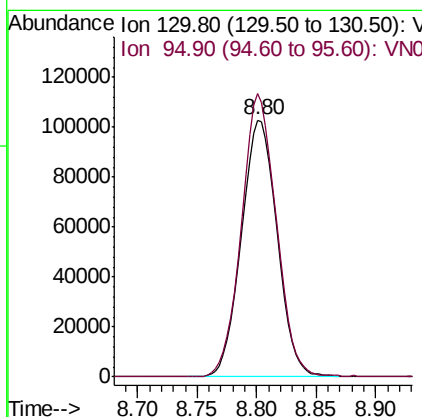
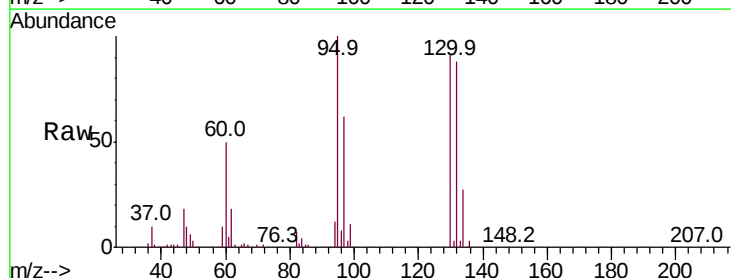
RT: 8.80 min Scan# 2196

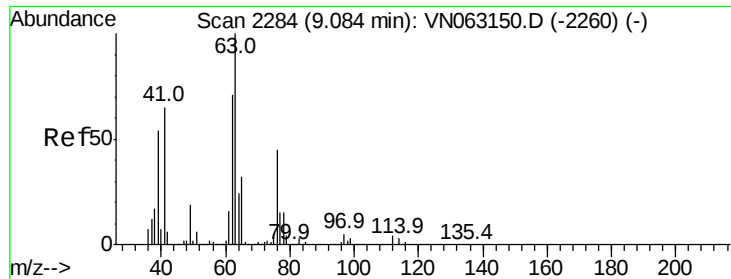
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion:	130	Resp:	214081
Ion	Ratio	Lower	Upper
130	100		
95	110.2	0.0	212.0





#45

1,2-Dichloropropane

Concen: 49.796 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 63 Resp: 221899

Ion Ratio Lower Upper

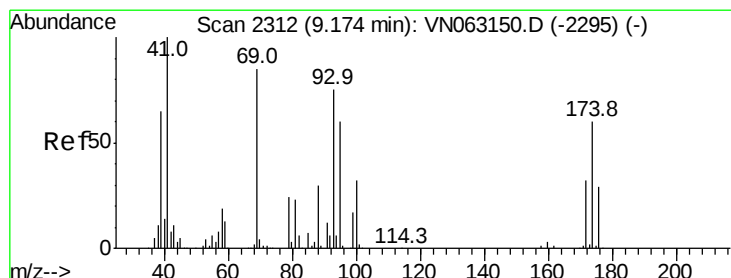
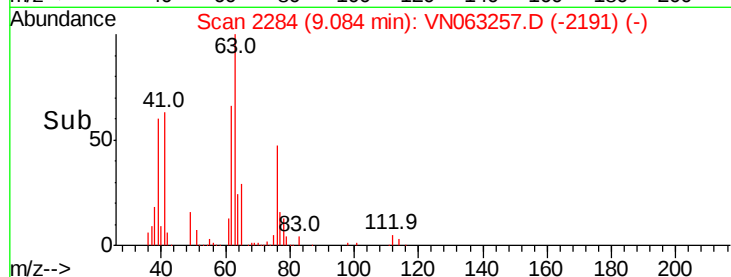
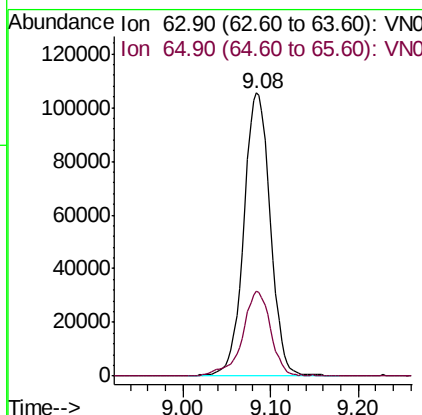
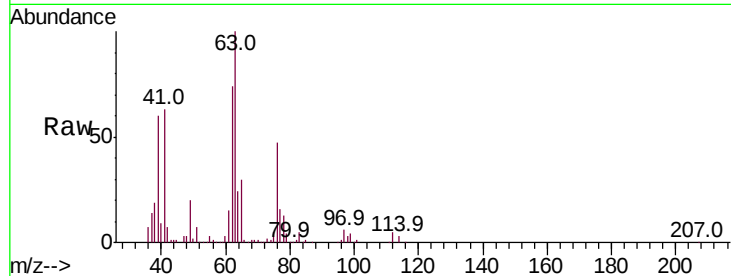
63 100

65 29.9 25.4 38.0

Manual Integrations
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#46

Dibromomethane

Concen: 51.984 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

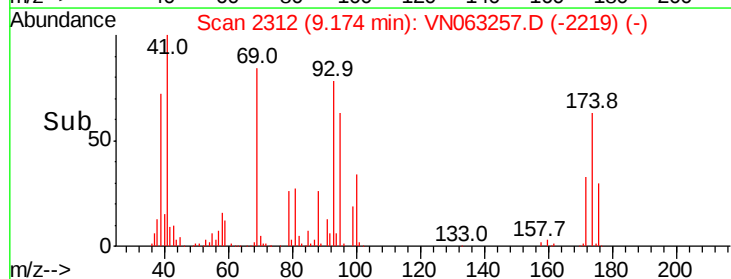
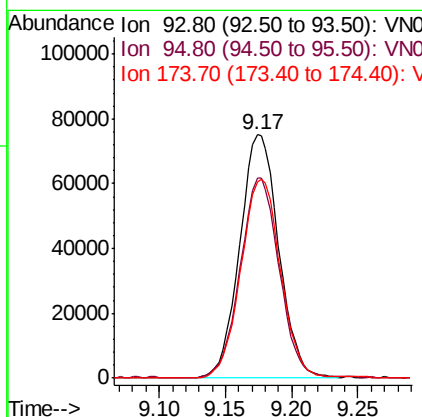
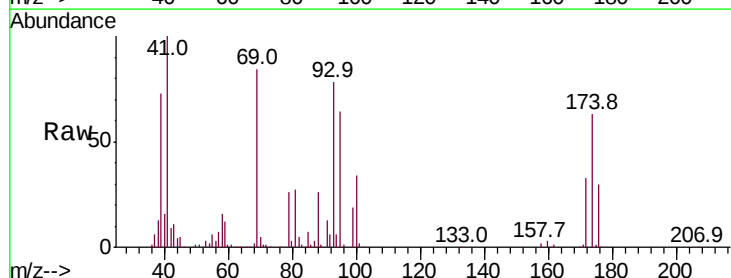
Tgt Ion: 93 Resp: 153515

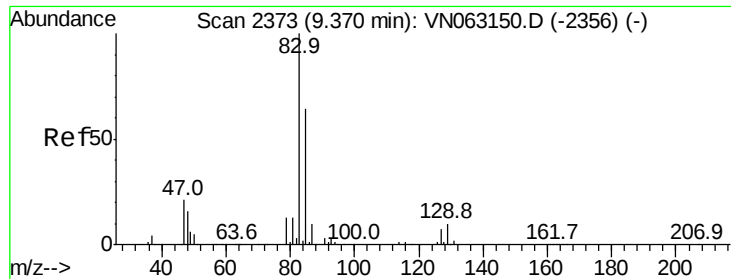
Ion Ratio Lower Upper

93 100

95 82.3 65.2 97.8

174 83.2 64.6 97.0





#47

Bromodichloromethane

Concen: 50.222 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

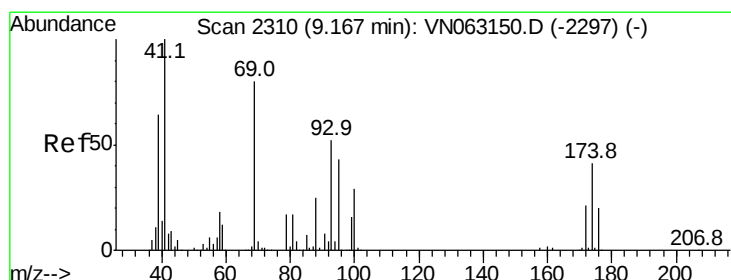
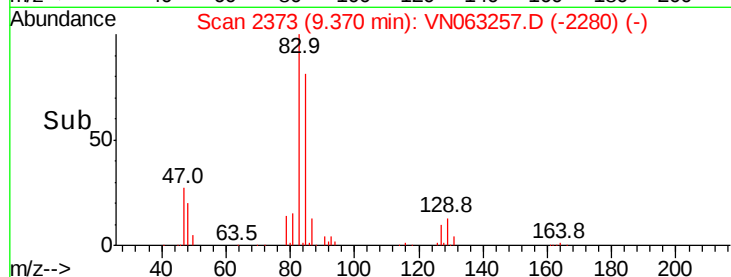
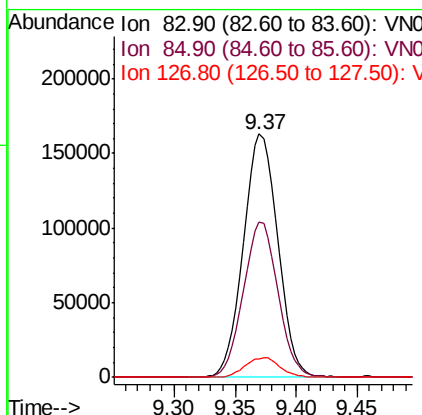
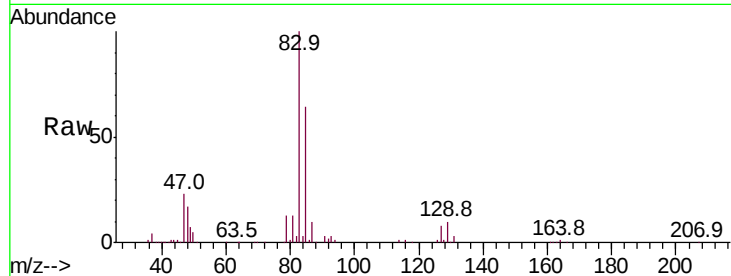
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion	83	Resp	317899
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.6
127	7.8	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.254 ug/l

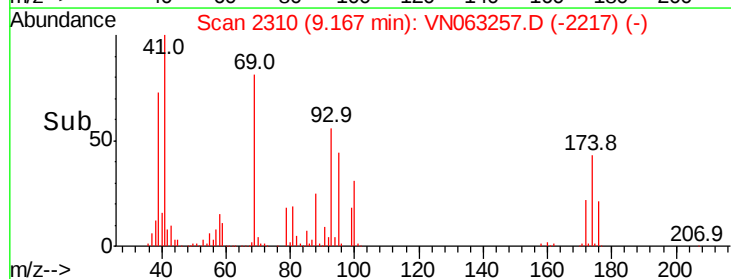
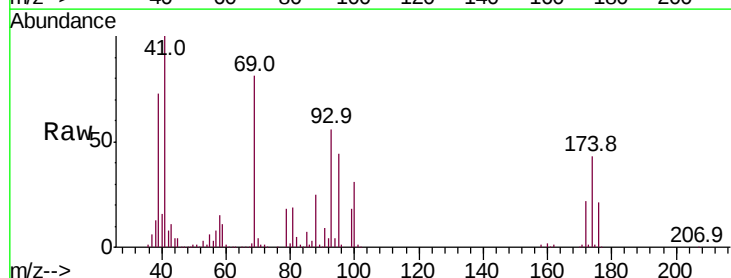
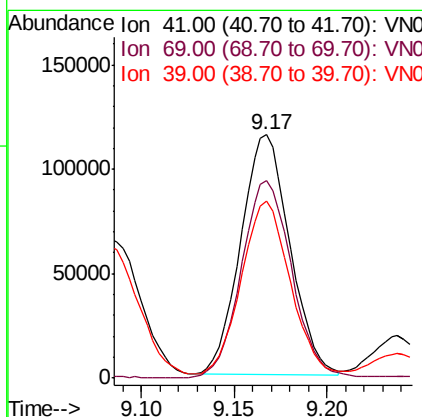
RT: 9.17 min Scan# 2310

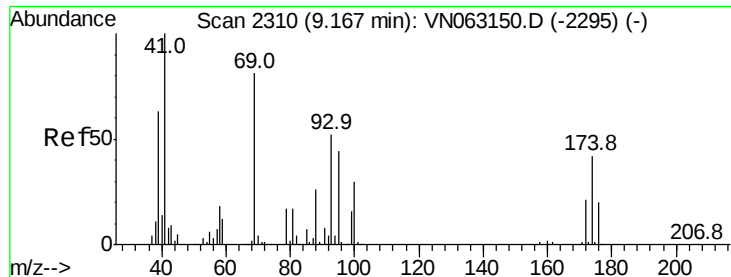
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion	41	Resp	211605
Ion	Ratio	Lower	Upper
41	100		
69	84.3	65.9	98.9
39	74.0	52.0	78.0





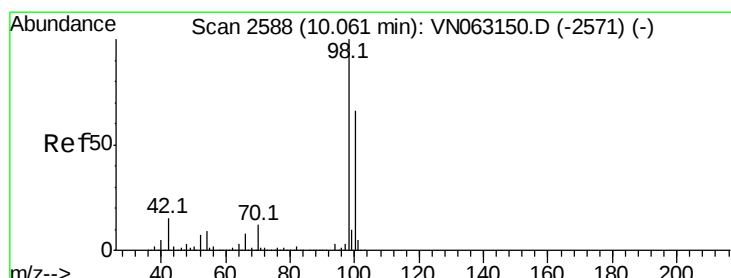
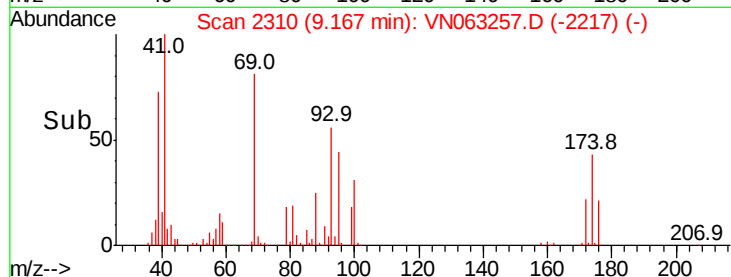
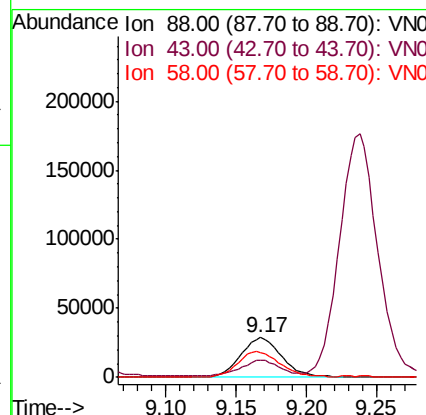
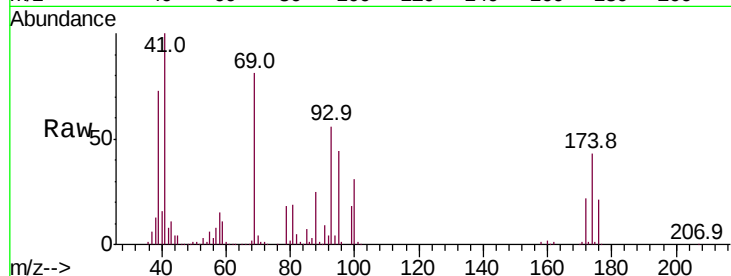
#49
1,4-Dioxane
Concen: 903.320 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.6	42.8
58	67.2	53.2	79.8

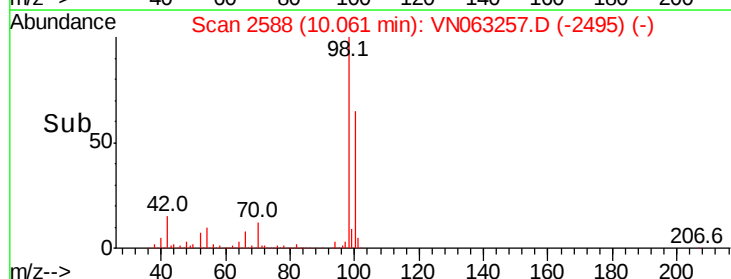
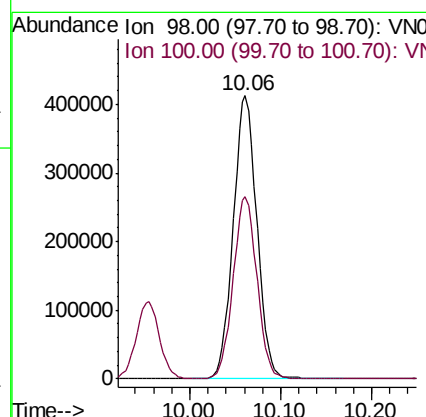
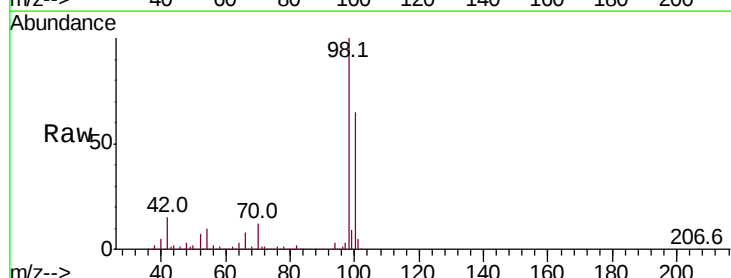
Manual Integrations
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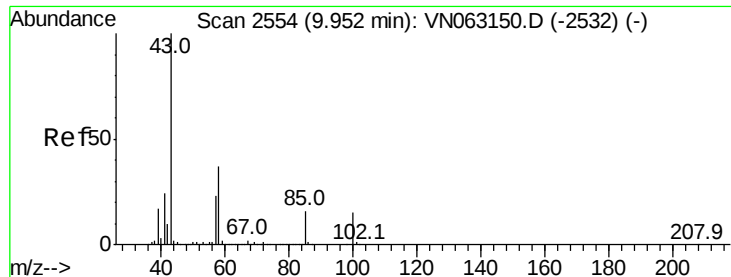
MMDadoda
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#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 269.623 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 43 Resp: 1368529

Ion Ratio Lower Upper

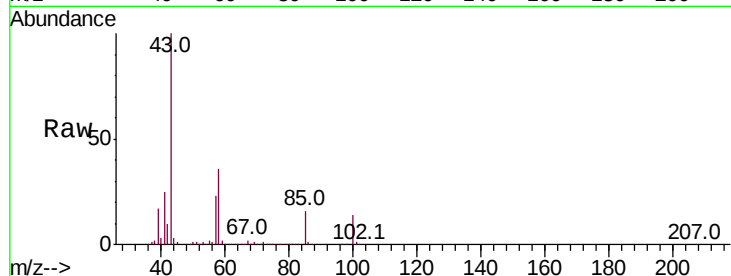
43 100

58 36.3 29.2 43.8

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Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-2532) (-)

800000

600000

400000

200000

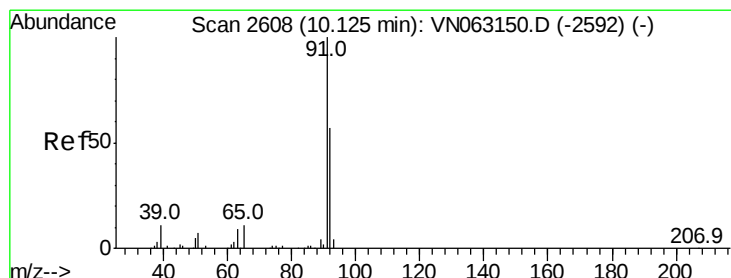
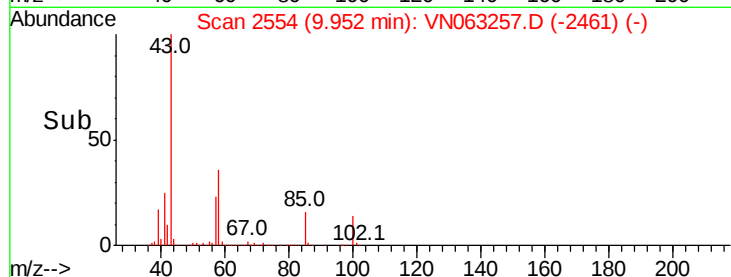
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 51.114 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063257.D

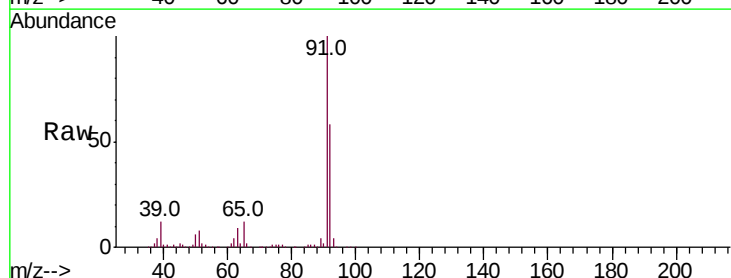
Acq: 4 Sep 2020 19:00

Tgt Ion: 92 Resp: 535907

Ion Ratio Lower Upper

92 100

91 175.7 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN063150.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063150.D (-2592) (-)

600000

500000

400000

300000

200000

100000

0

10.05

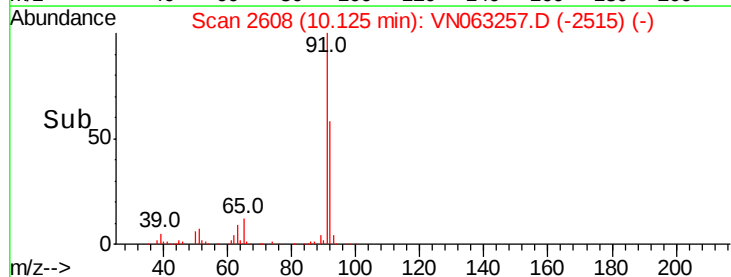
10.10

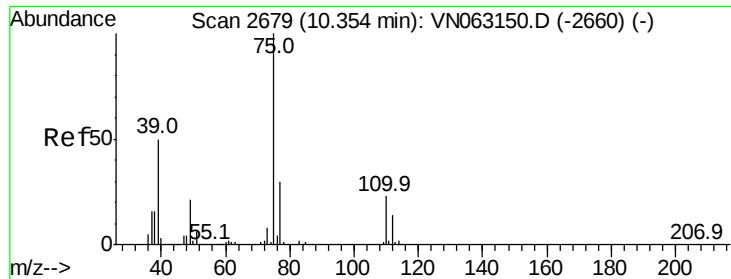
10.13

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.128 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 75 Resp: 333235

Ion Ratio Lower Upper

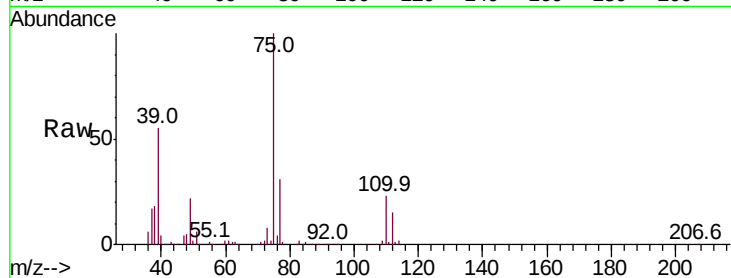
75 100

77 31.0 24.2 36.2

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

200000

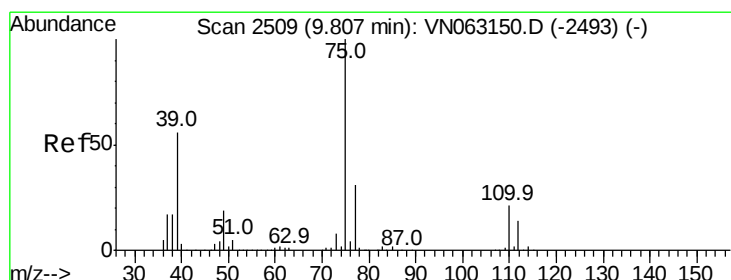
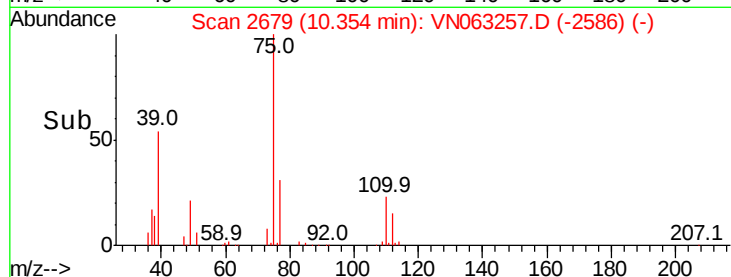
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.014 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

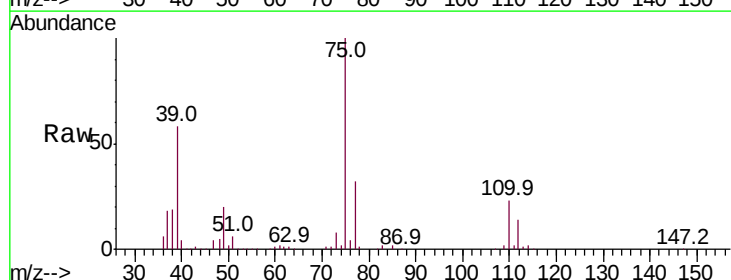
Tgt Ion: 75 Resp: 348961

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 57.5 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

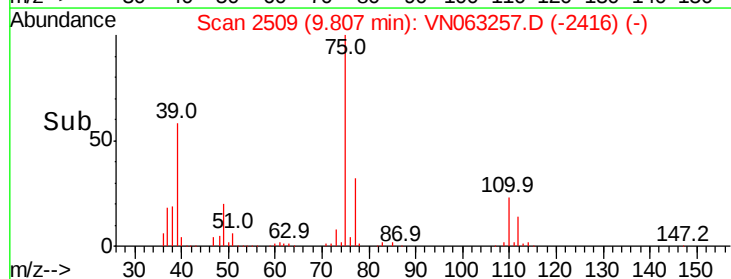
150000

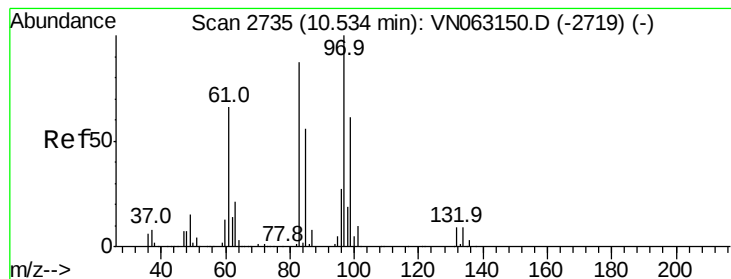
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.093 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 97 Resp: 213180

Ion Ratio Lower Upper

97 100

83 85.4 69.8 104.8

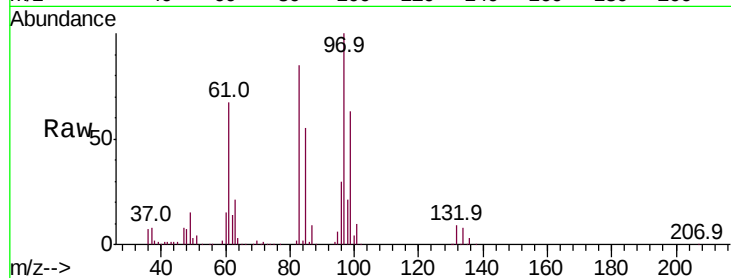
85 55.4 44.9 67.3

99 63.1 48.8 73.2

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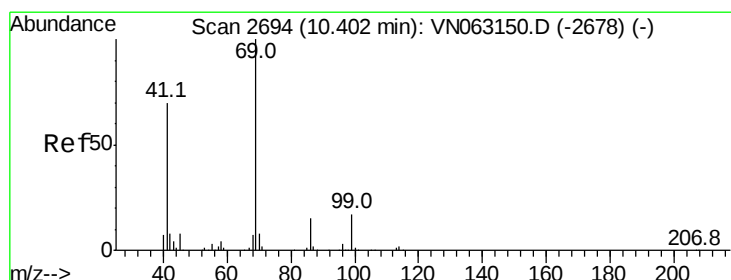
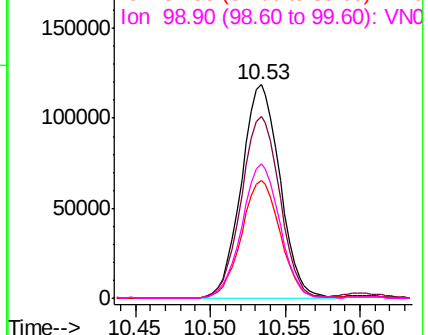
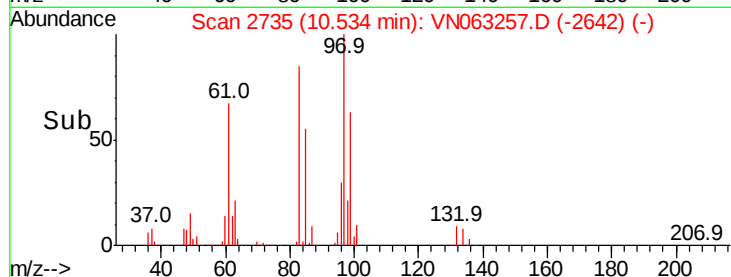


Abundance Ion 96.90 (96.60 to 97.60): VN063257.D (-2642) (-)

Ion 82.90 (82.60 to 83.60): VN063257.D (-2642) (-)

Ion 84.90 (84.60 to 85.60): VN063257.D (-2642) (-)

Ion 98.90 (98.60 to 99.60): VN063257.D (-2642) (-)



#56

Ethyl methacrylate

Concen: 50.630 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

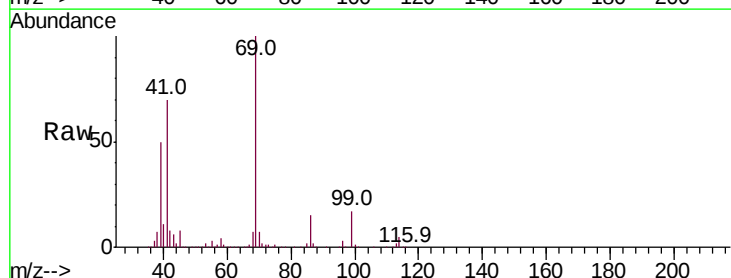
Tgt Ion: 69 Resp: 309376

Ion Ratio Lower Upper

69 100

41 69.7 55.5 83.3

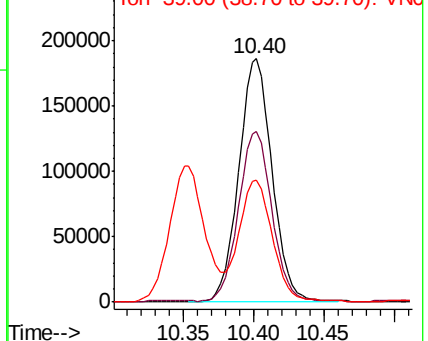
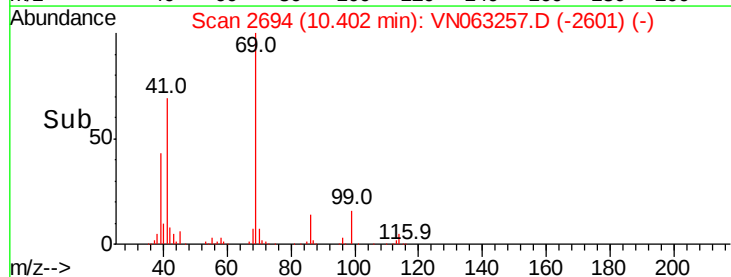
39 49.3 38.2 57.2

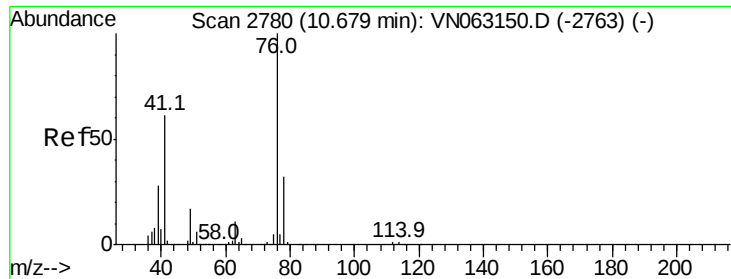


Abundance Ion 69.00 (68.70 to 69.70): VN063257.D (-2601) (-)

Ion 41.00 (40.70 to 41.70): VN063257.D (-2601) (-)

Ion 39.00 (38.70 to 39.70): VN063257.D (-2601) (-)





#57

1,3-Dichloropropane

Concen: 50.417 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 76 Resp: 360632

Ion Ratio Lower Upper

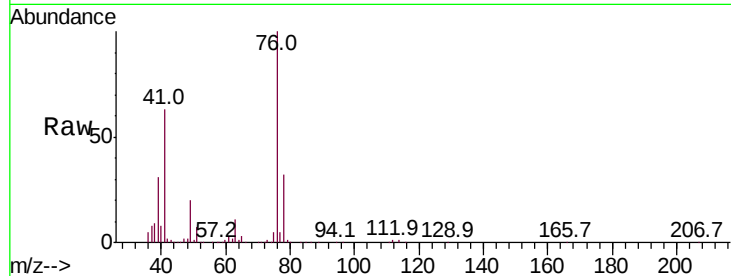
76 100

78 32.5 25.5 38.3

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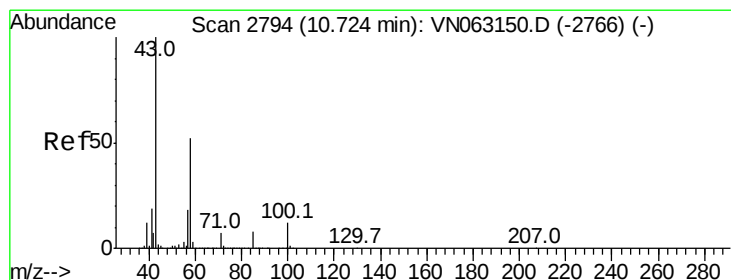
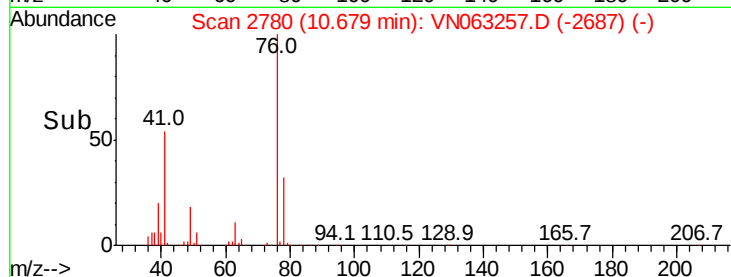
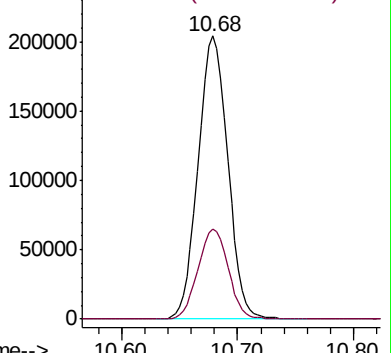
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 278.430 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063257.D

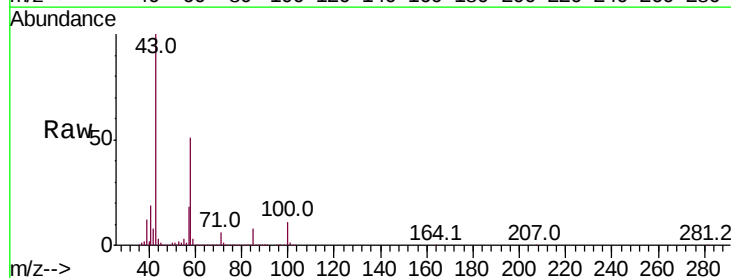
Acq: 4 Sep 2020 19:00

Tgt Ion: 43 Resp: 993198

Ion Ratio Lower Upper

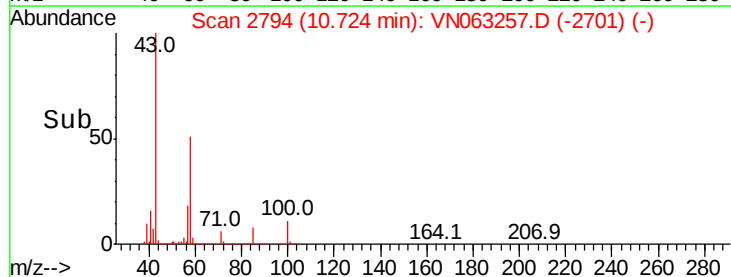
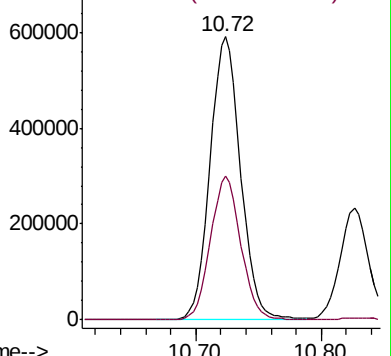
43 100

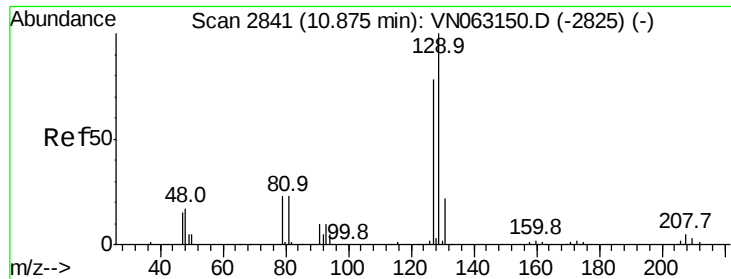
58 51.0 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 52.149 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:129 Resp: 231494

Ion Ratio Lower Upper

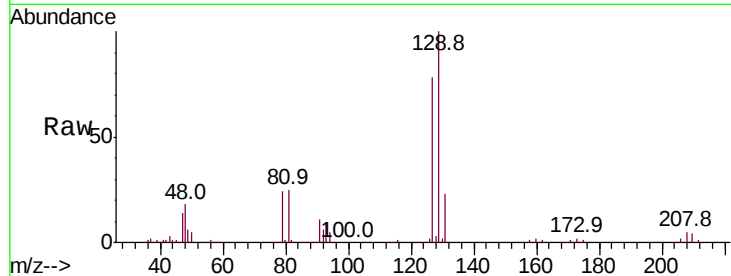
129 100

127 78.7 39.0 117.0

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

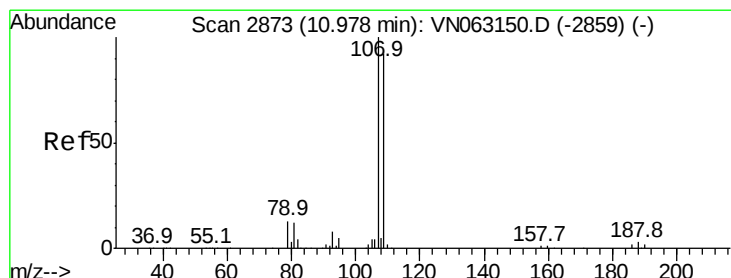
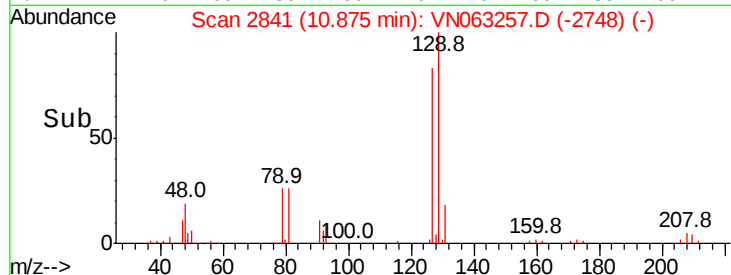
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 52.415 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063257.D

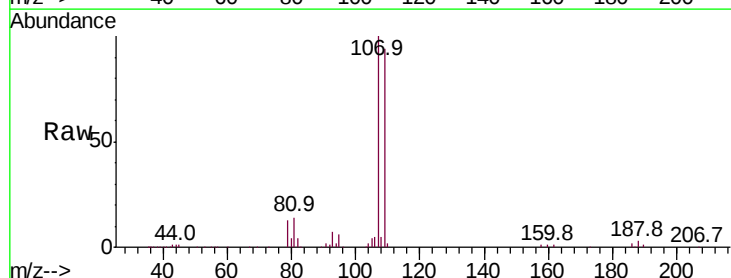
Acq: 4 Sep 2020 19:00

Tgt Ion:107 Resp: 218779

Ion Ratio Lower Upper

107 100

109 93.8 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

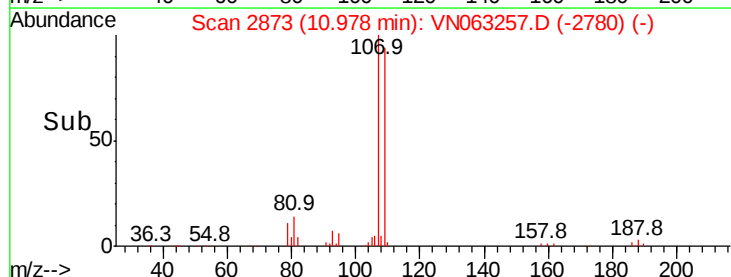
Ion 108.80 (108.50 to 109.50): V

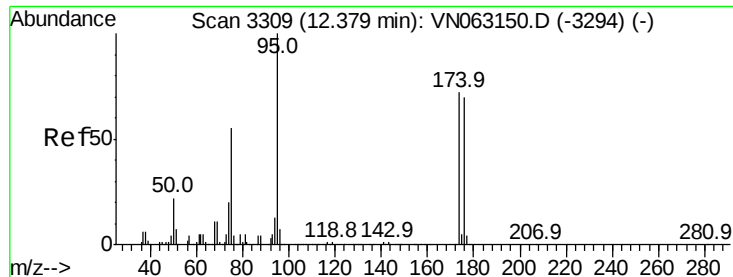
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.993 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

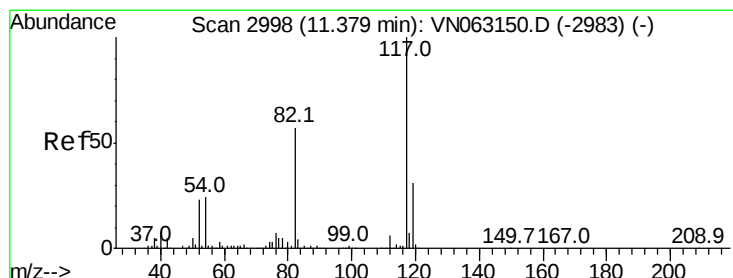
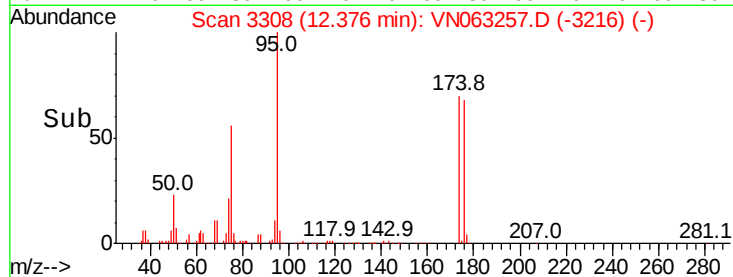
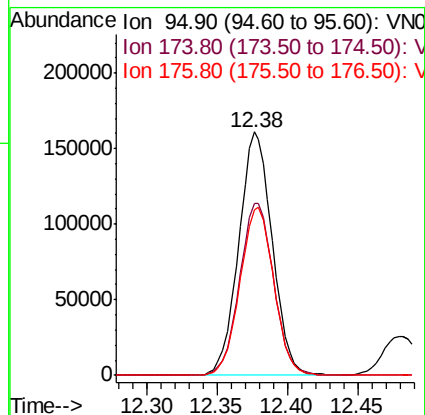
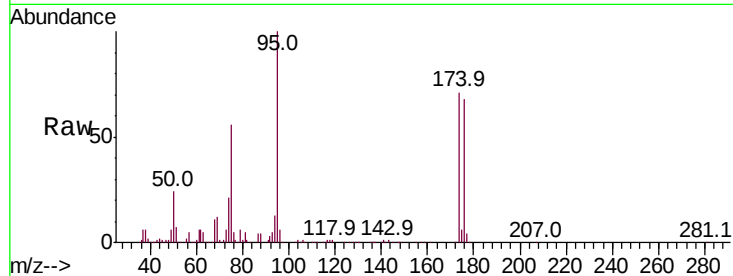
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:	95	Resp:	267561
Ion Ratio	Lower	Upper	
95	100		
174	72.2	0.0	143.8
176	69.9	0.0	138.4

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

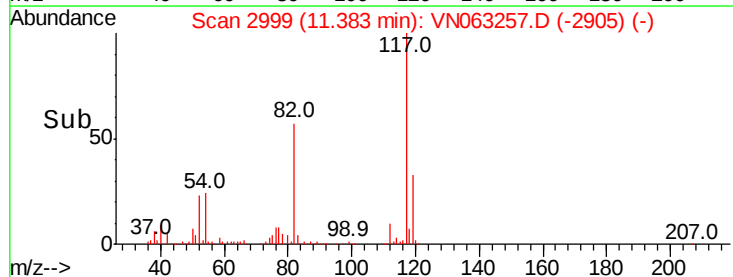
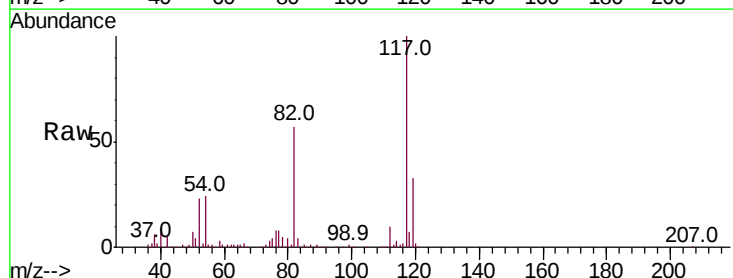
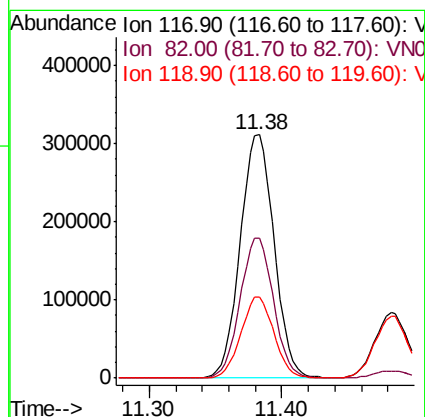
RT: 11.38 min Scan# 2999

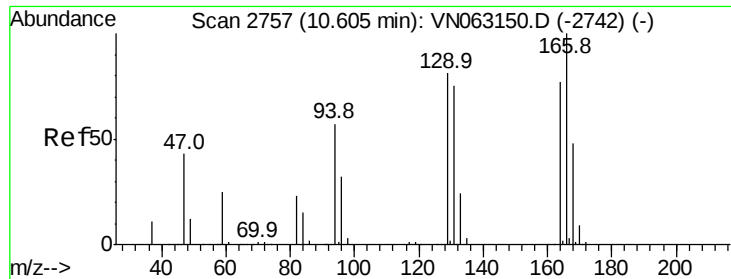
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion:	117	Resp:	553117
Ion Ratio	Lower	Upper	
117	100		
82	57.2	45.4	68.0
119	33.1	24.6	37.0





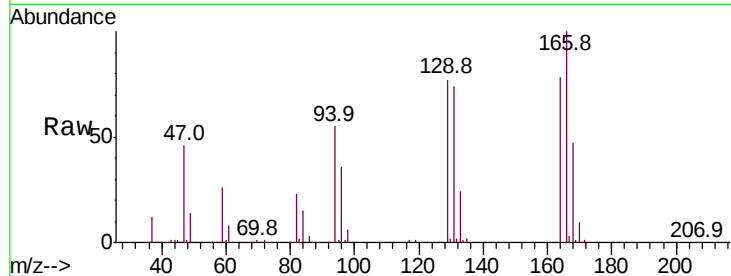
#64
Tetrachloroethene
Concen: 53.167 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.4	155.2
129	98.5	83.4	125.0
131	94.5	77.8	116.8

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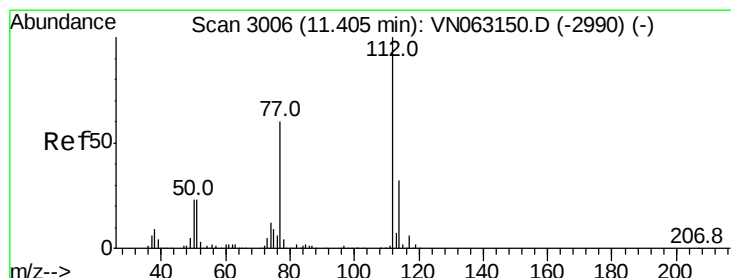
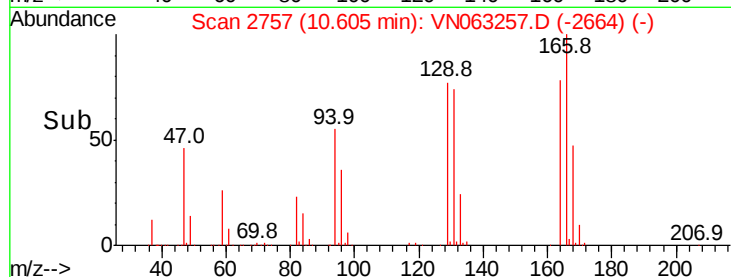
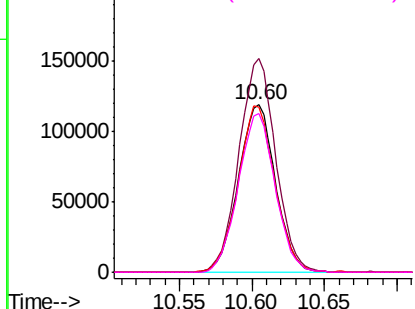
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

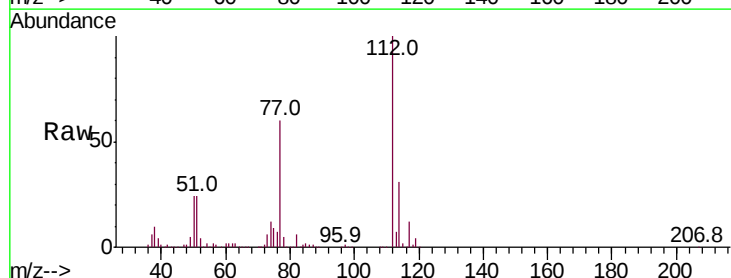
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 50.831 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

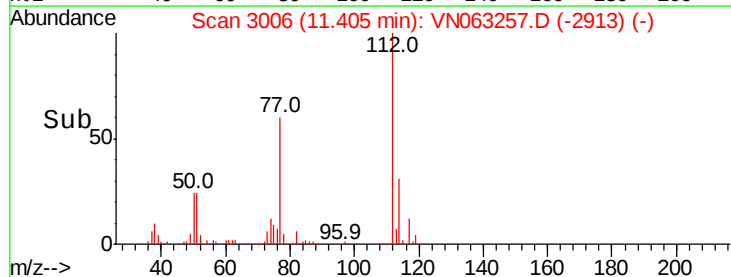
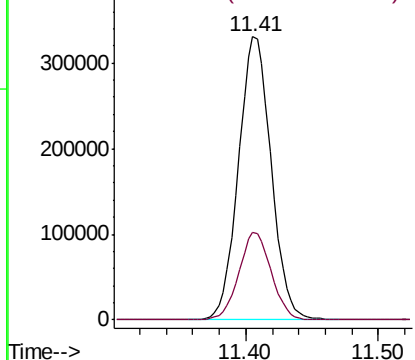
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.2	37.8

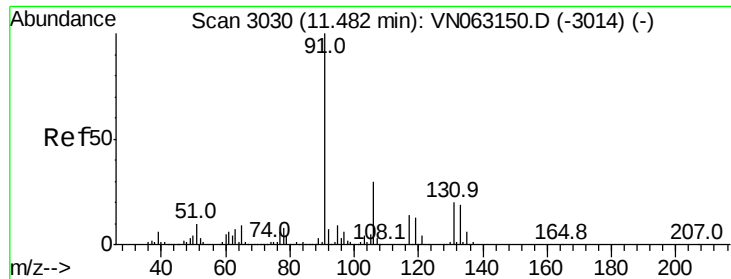


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 50.919 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

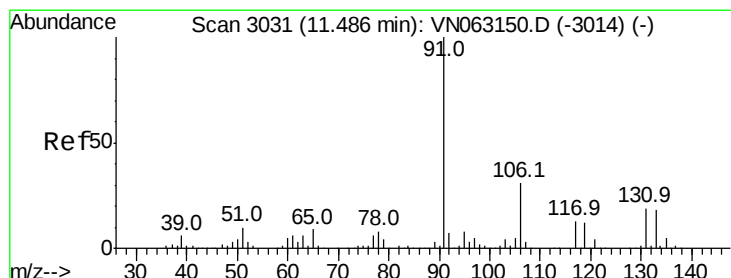
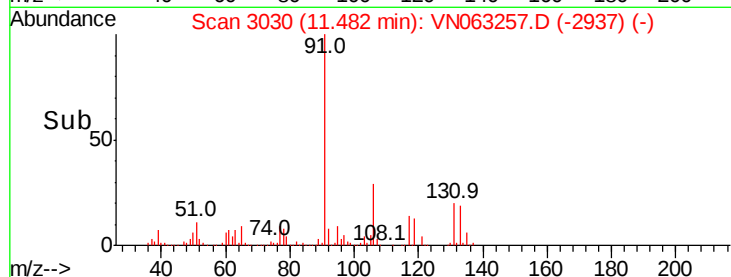
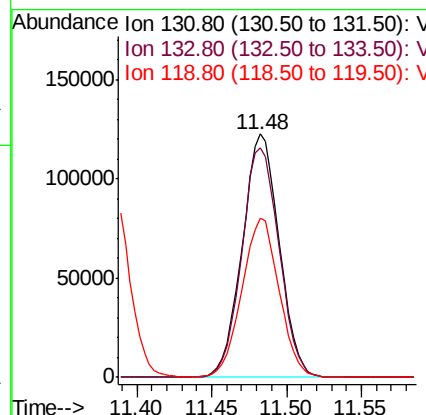
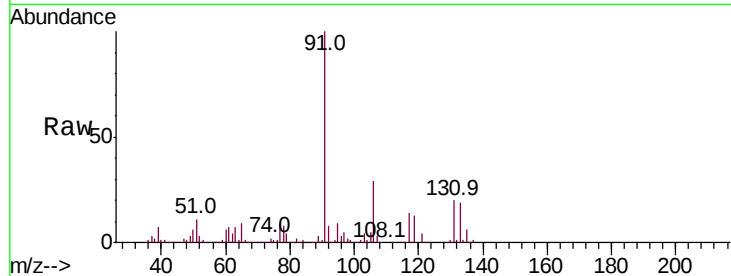
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	142.0
119	66.0	32.4	97.0

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#67

Ethyl Benzene

Concen: 52.001 ug/l

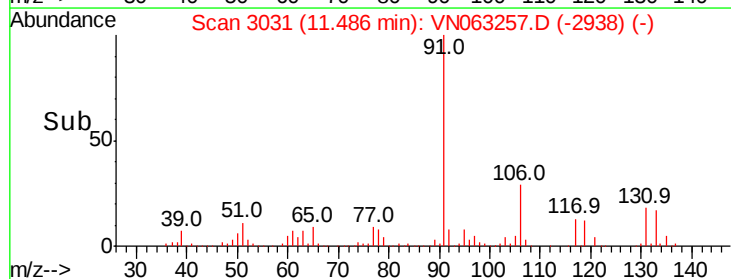
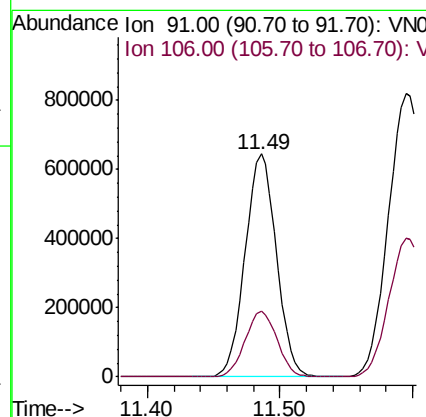
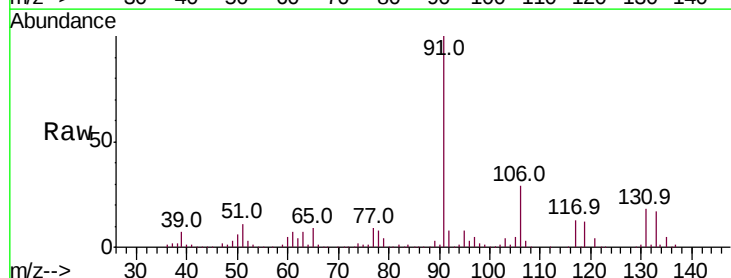
RT: 11.49 min Scan# 3031

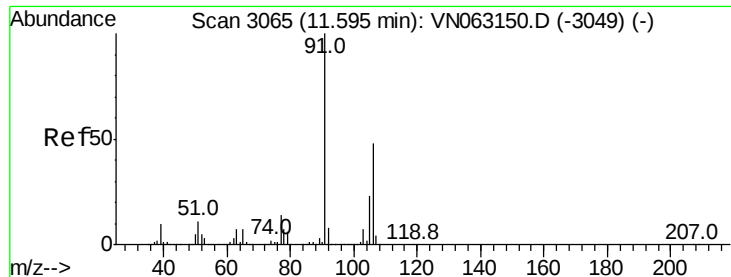
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.4	36.6





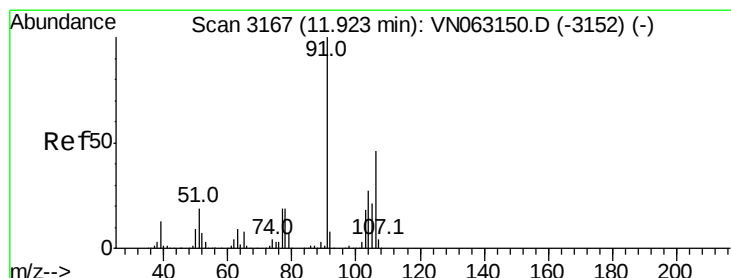
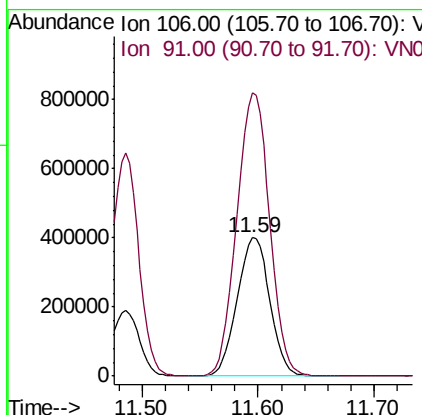
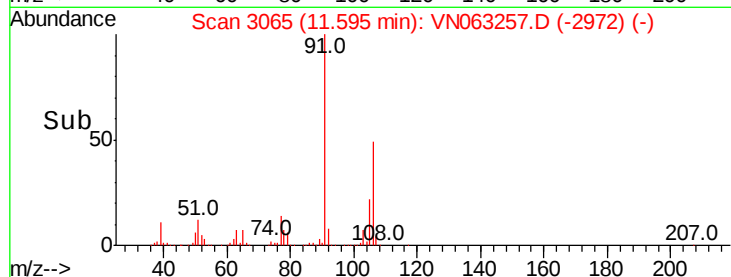
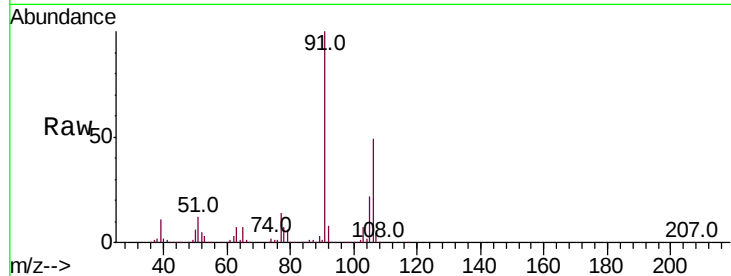
#68
m/p-Xylenes
Concen: 103.558 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.6	166.7	250.1

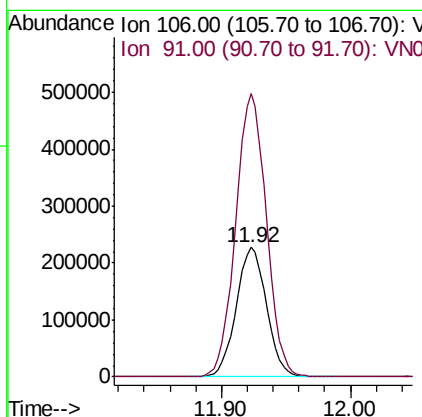
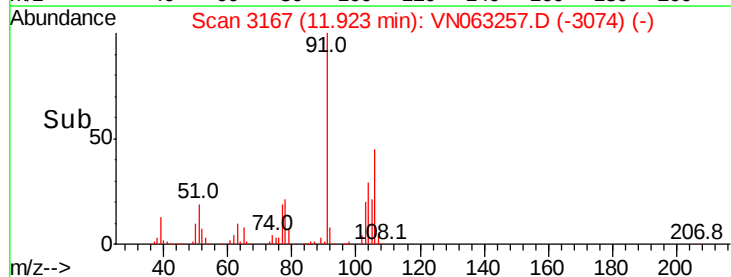
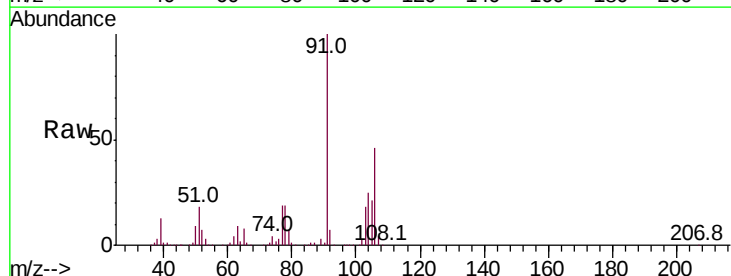
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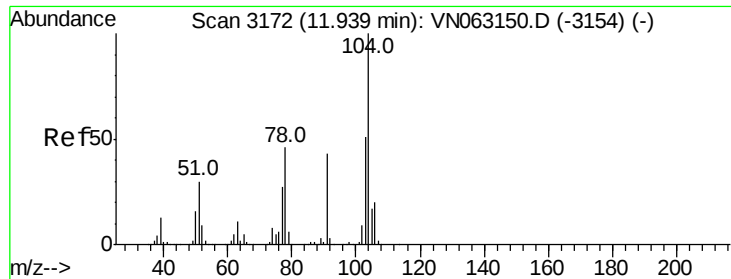
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#69
o-Xylene
Concen: 51.050 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	221.8	108.6	325.6





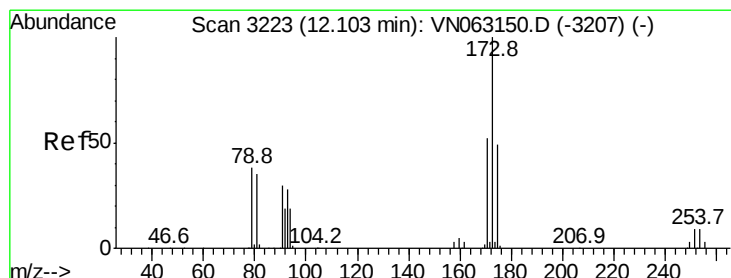
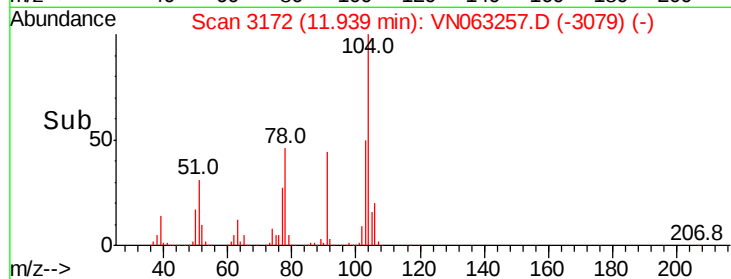
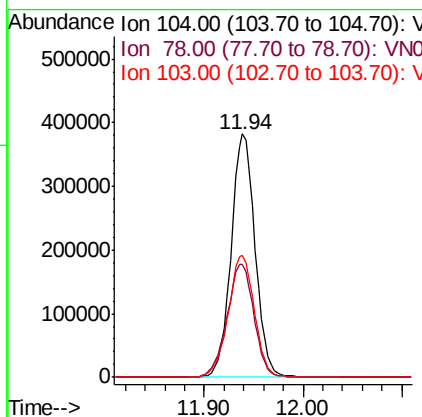
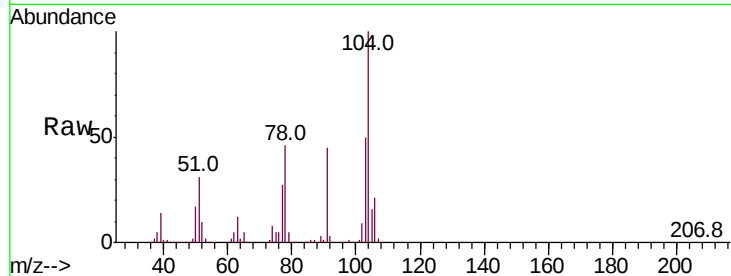
#70
Stvrene
Concen: 51.785 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	647144		
78	52.5		41.0	61.6
103	55.0		43.8	65.8

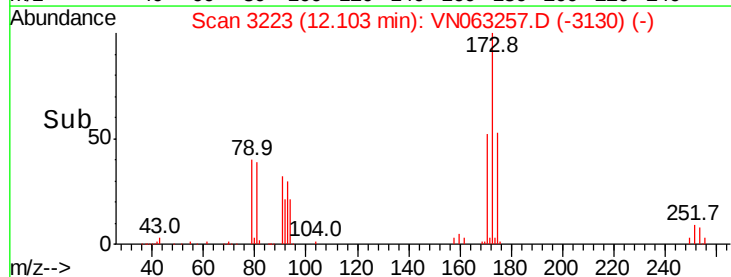
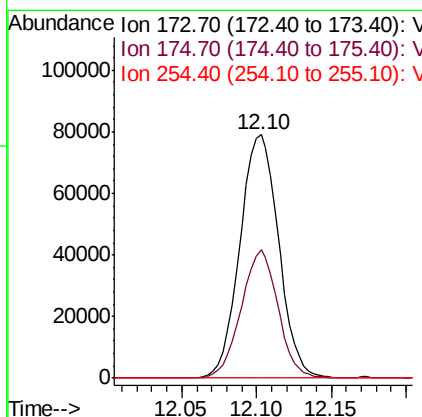
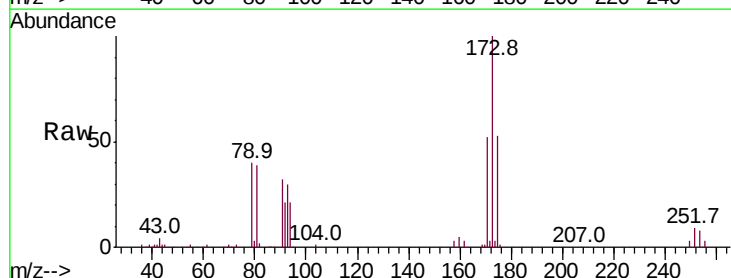
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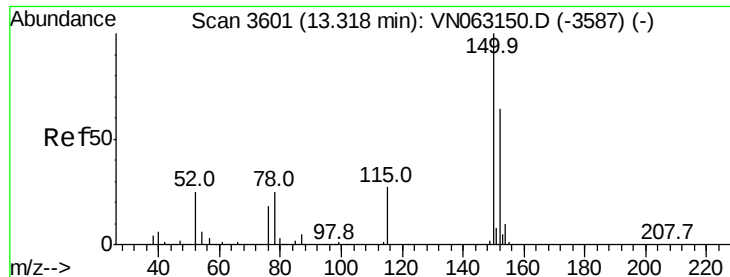
MMDadoda
9/8/2020 1:33:16 PM



#71
Bromoform
Concen: 50.698 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	142309		
175	50.1		24.6	73.8
254	0.1		0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:152 Resp: 255998

Ion Ratio Lower Upper

152 100

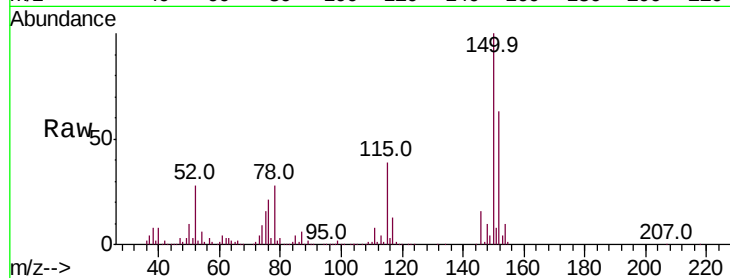
115 62.9 32.0 96.2

150 174.6 0.0 353.0

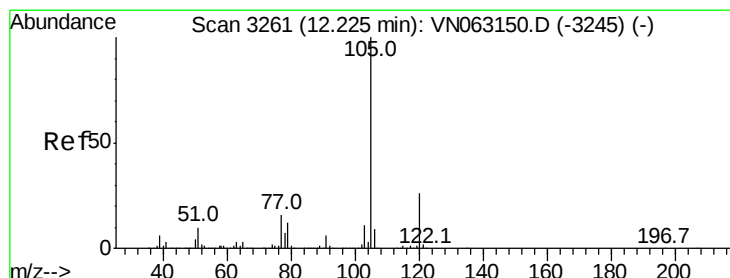
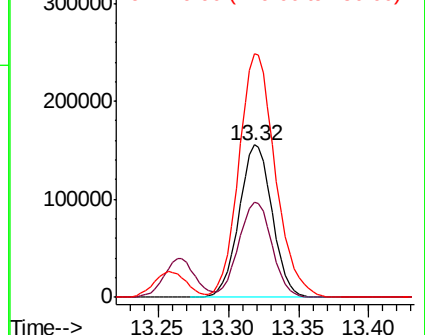
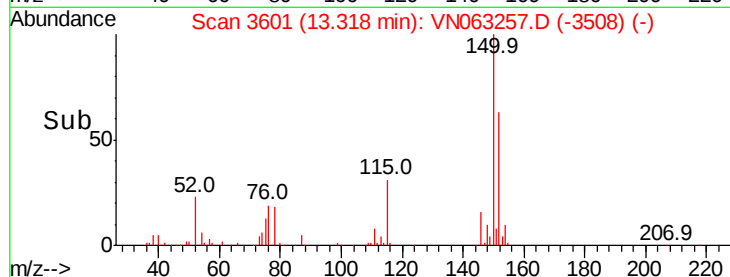
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 50.834 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063257.D

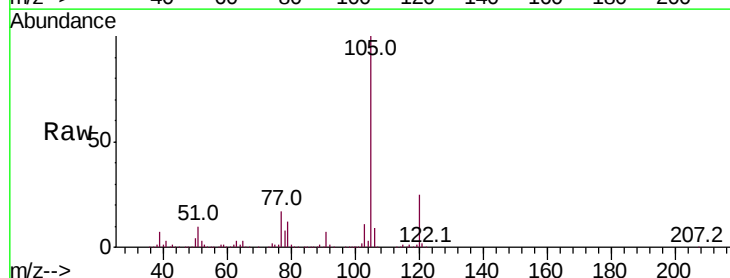
Acq: 4 Sep 2020 19:00

Tgt Ion:105 Resp: 998110

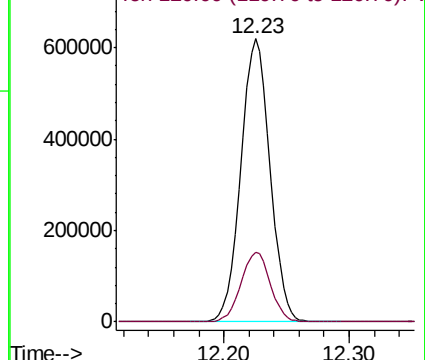
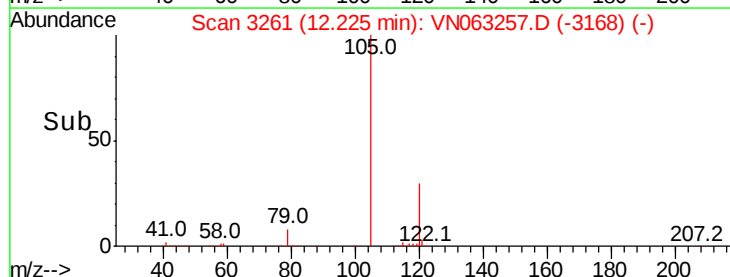
Ion Ratio Lower Upper

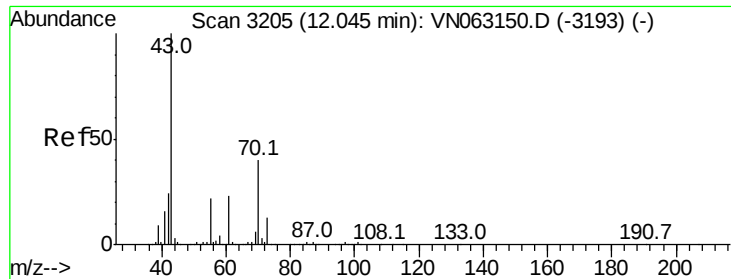
105 100

120 24.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 47.074 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

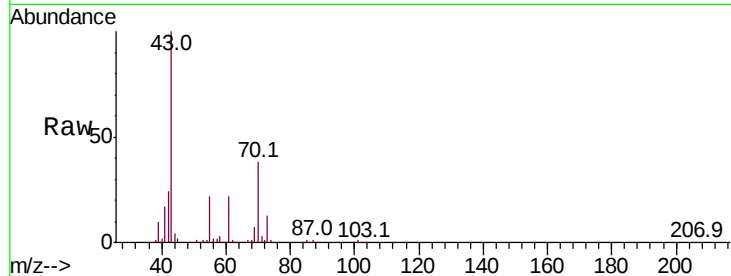
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion	43	Resp	382850
Ion Ratio	Lower	Upper	
43	100		
70	39.5	32.1	48.1
55	22.6	17.4	26.0
61	21.5	18.6	27.8

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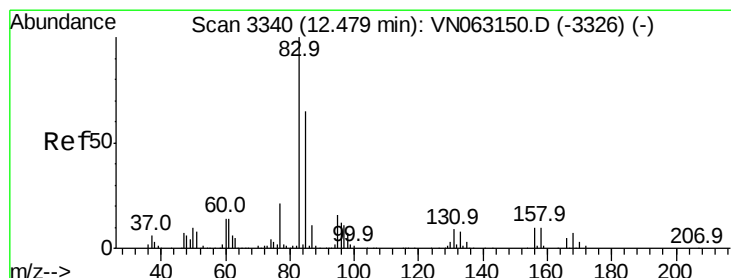
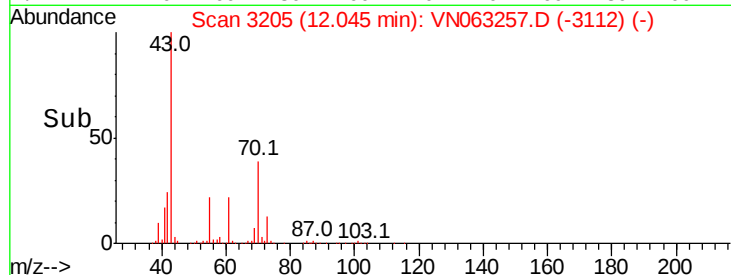
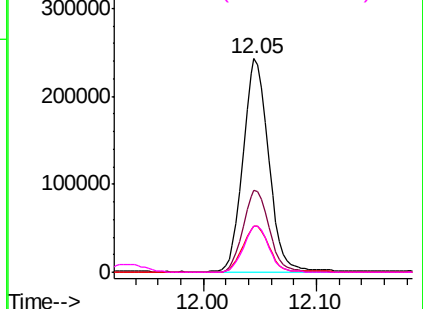


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-3193) (-)

Ion 70.00 (69.70 to 70.70): VN063150.D (-3193) (-)

Ion 55.00 (54.70 to 55.70): VN063150.D (-3193) (-)

Ion 61.00 (60.70 to 61.70): VN063150.D (-3193) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 51.212 ug/l

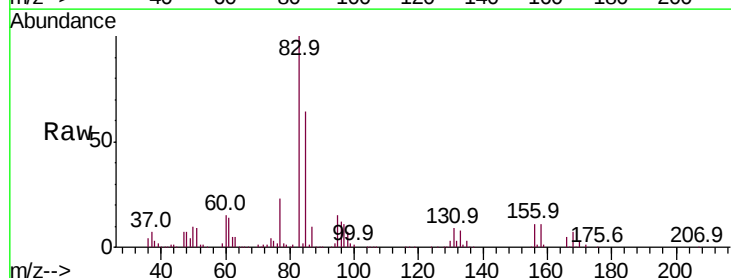
RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

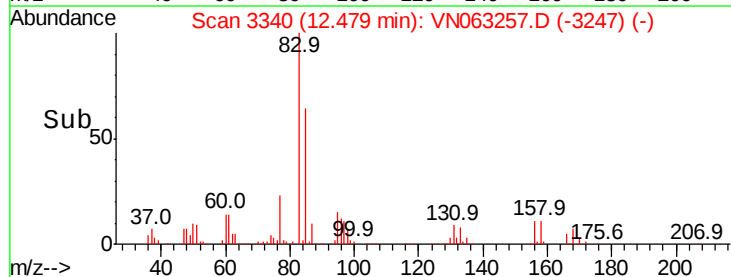
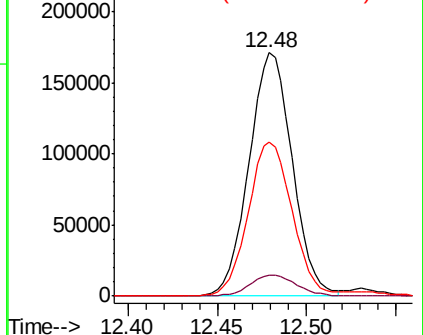
Tgt Ion	83	Resp	289901
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	66.0	32.7	98.1

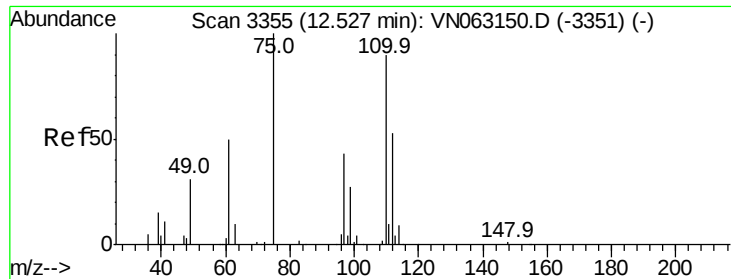


Abundance Ion 82.90 (82.60 to 83.60): VN063150.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN063150.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN063150.D (-3326) (-)





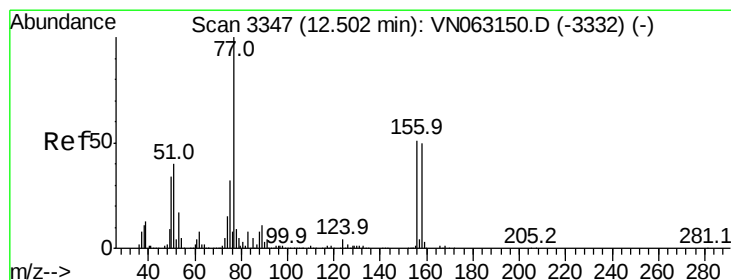
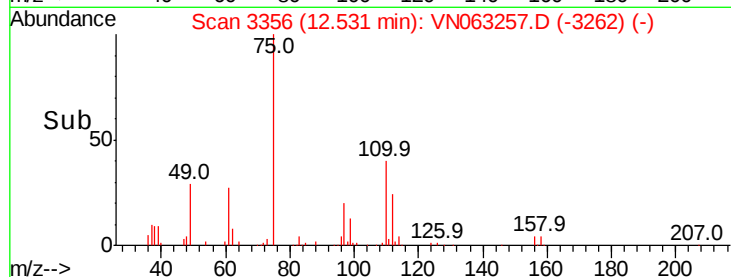
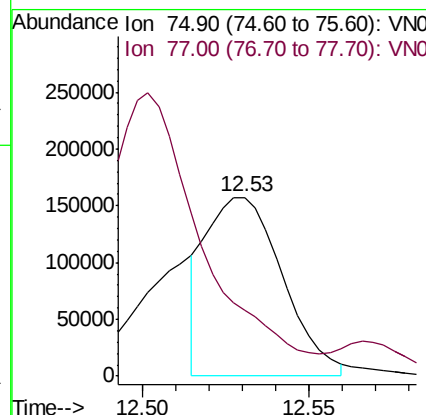
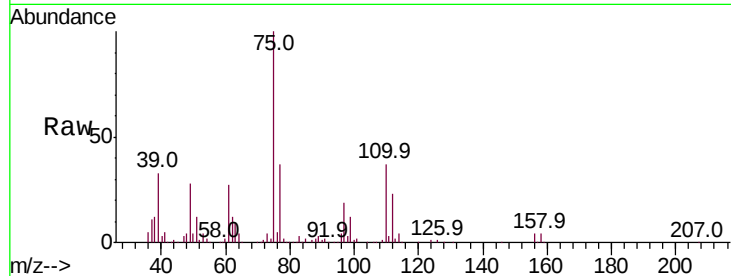
#76
 1,2,3-Trichloropropane
 Concen: 50.273 ug/l m
 RT: 12.53 min Scan# 3356
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

Tot Ion: 75 Resp: 252866
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

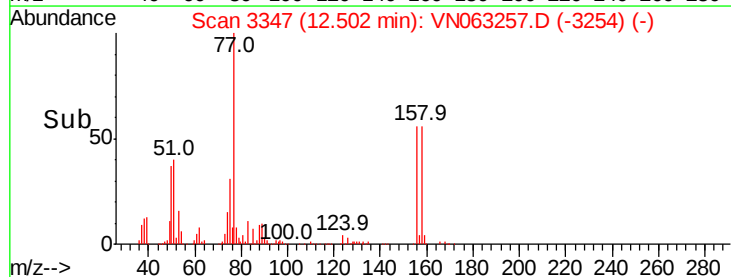
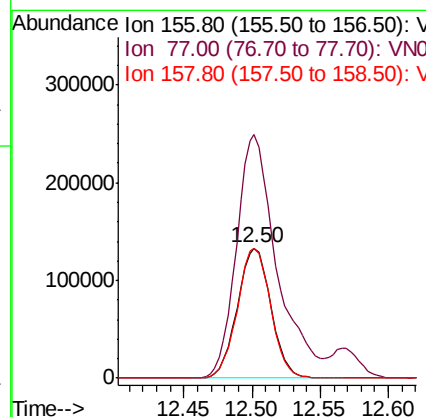
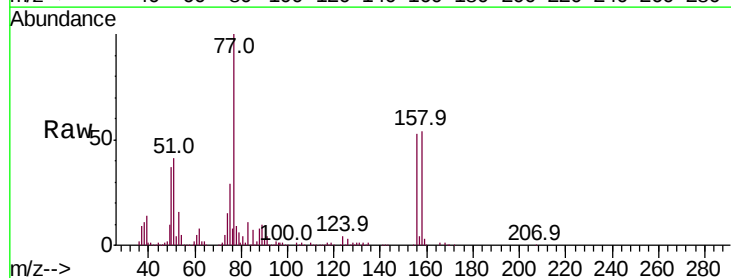
Manual Integrations
 APPROVED

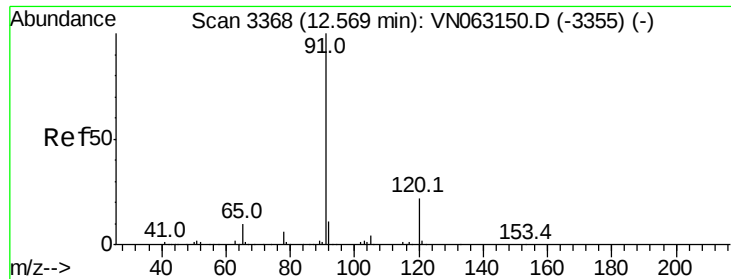
MMDadoda
 9/8/2020 1:33:16 PM



#77
 Bromobenzene
 Concen: 51.357 ug/l
 RT: 12.50 min Scan# 3347
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion: 156 Resp: 228054
 Ion Ratio Lower Upper
 156 100
 77 225.6 116.1 348.3
 158 98.9 48.8 146.4





#78

n-propylbenzene

Concen: 50.788 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion: 91 Resp: 1153942

Ion Ratio Lower Upper

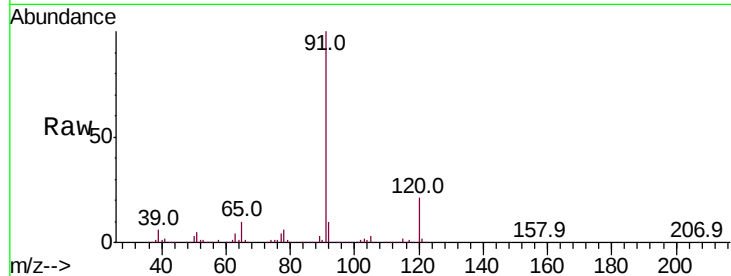
91 100

120 20.9 10.9 32.7

Manual Integrations
APPROVED

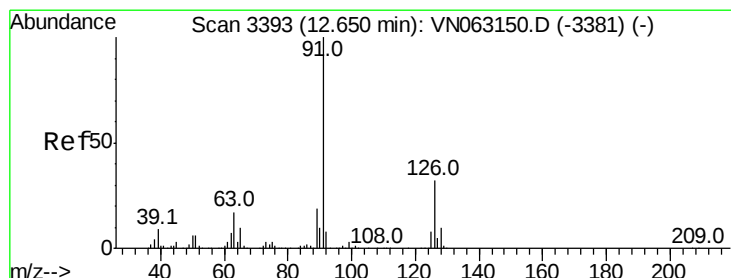
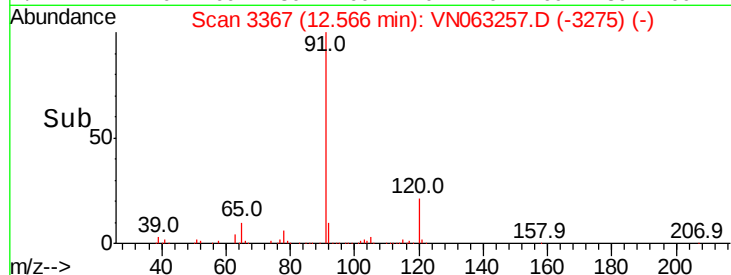
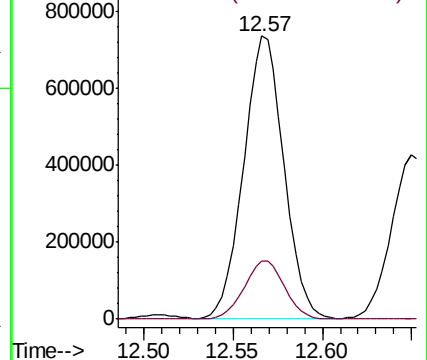
MMDadoda

9/8/2020 1:33:16 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 50.675 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063257.D

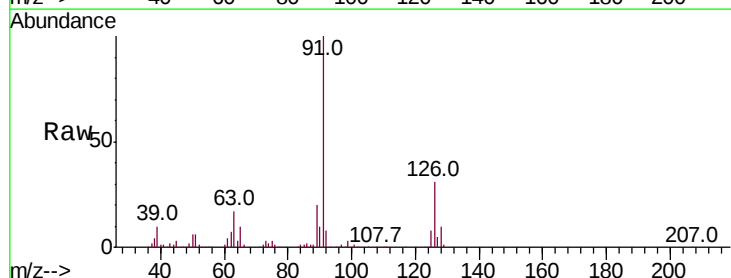
Acq: 4 Sep 2020 19:00

Tgt Ion: 91 Resp: 689607

Ion Ratio Lower Upper

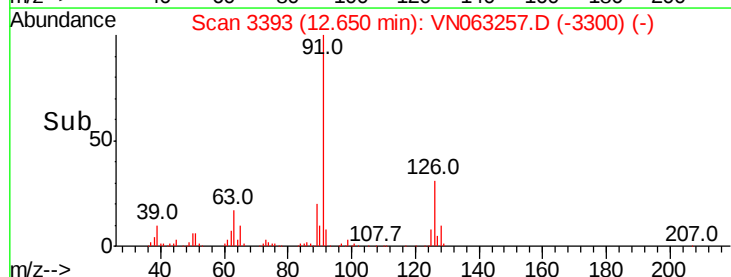
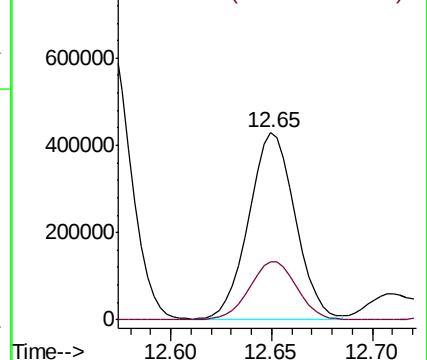
91 100

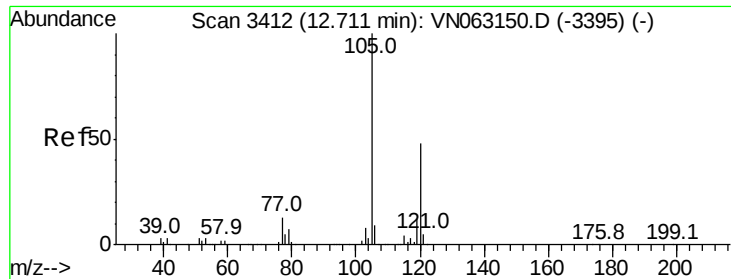
126 32.1 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 50.194 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:105 Resp: 820336

Ion Ratio Lower Upper

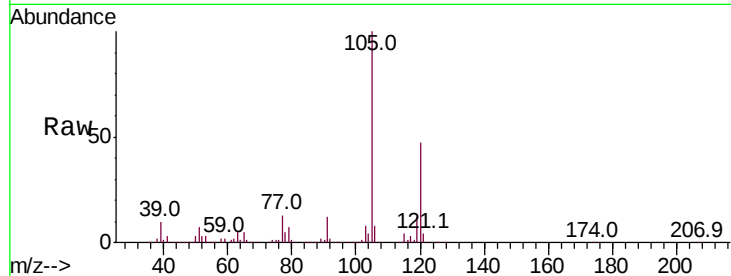
105 100

120 47.1 24.2 72.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

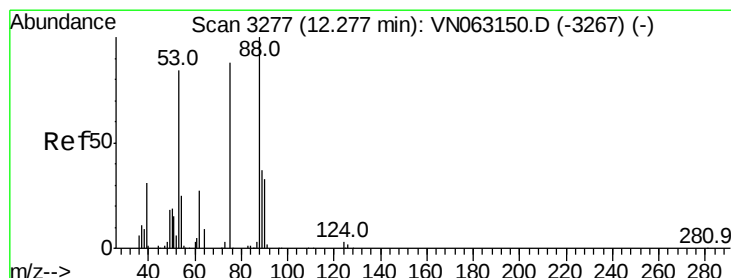
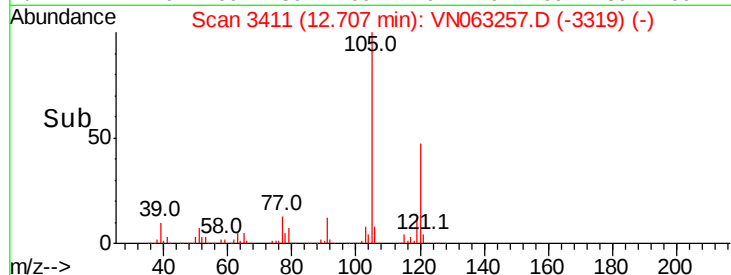
200000

100000

0

12.60 12.70 12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 43.892 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

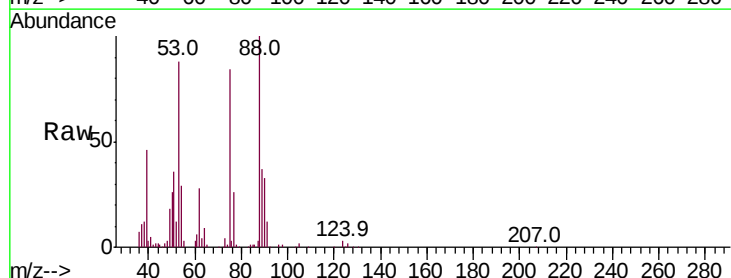
Tgt Ion: 75 Resp: 91340

Ion Ratio Lower Upper

75 100

53 104.5 78.7 118.1

89 46.3 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

120000

100000

80000

60000

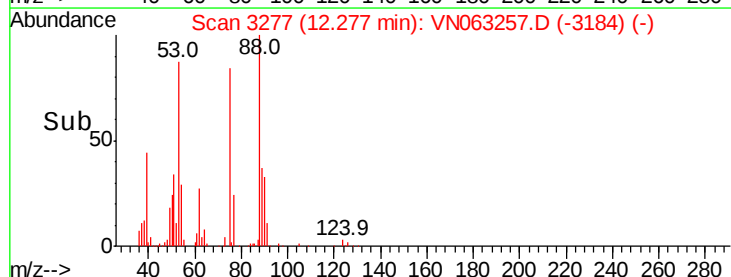
40000

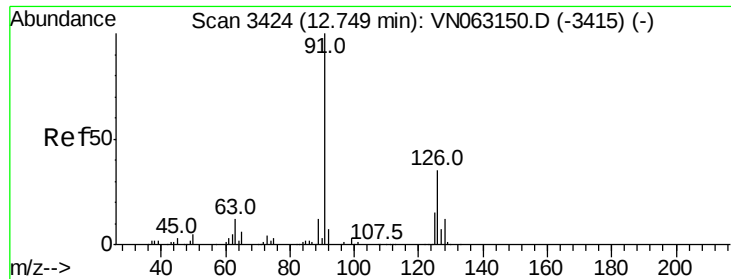
20000

0

12.20 12.25 12.30 12.35

Time-->





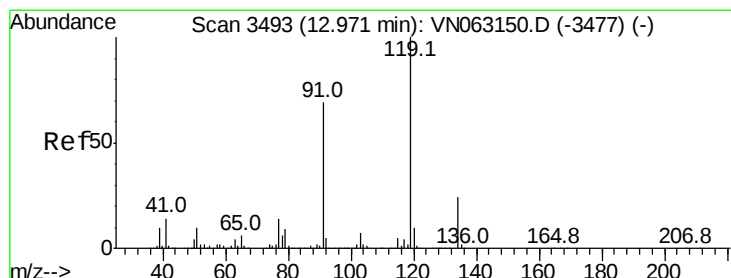
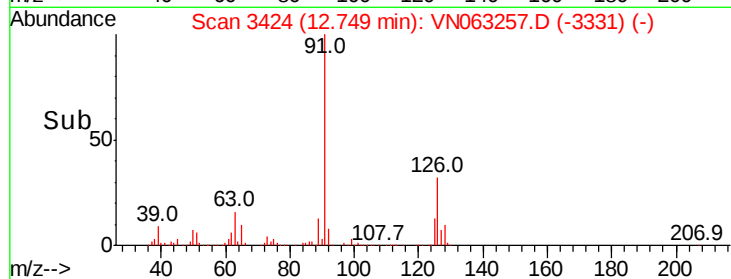
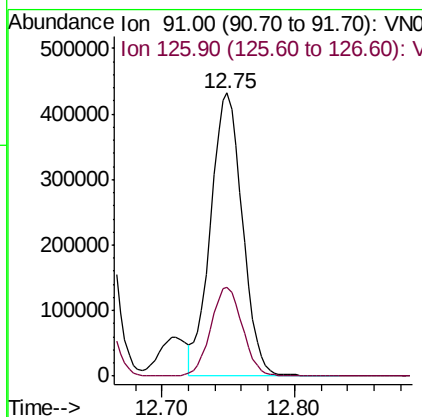
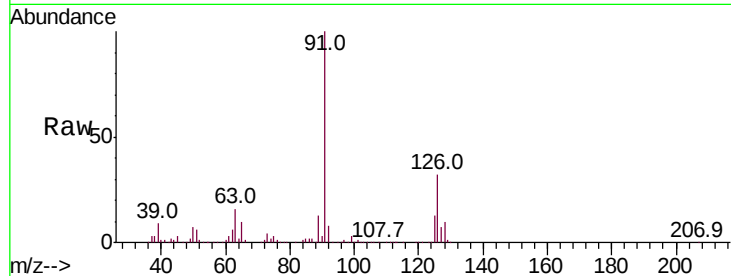
#82
4-Chlorotoluene
Concen: 50.907 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion: 91 Resp: 718483
Ion Ratio Lower Upper
91 100
126 31.5 16.2 48.5

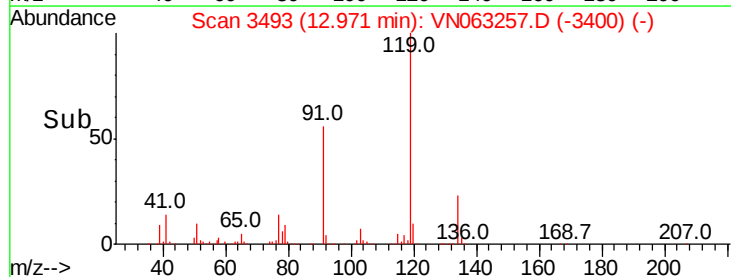
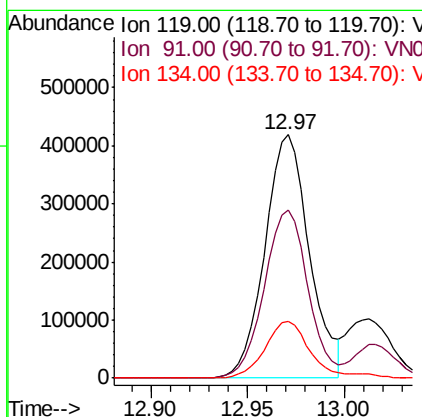
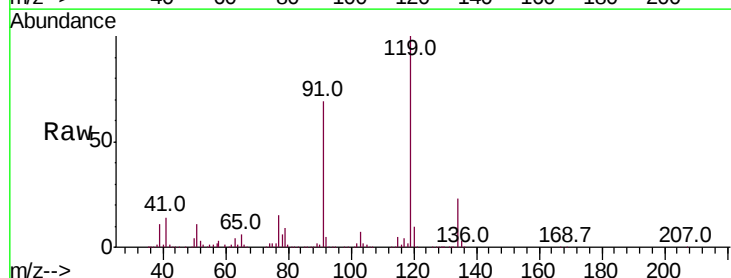
Manual Integrations
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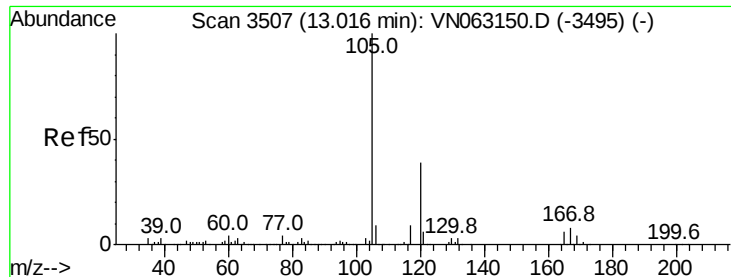
MMDadoda
9/8/2020 1:33:16 PM



#83
tert-Butylbenzene
Concen: 48.055 ug/l
RT: 12.97 min Scan# 3493
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion: 119 Resp: 673560
Ion Ratio Lower Upper
119 100
91 67.7 33.7 101.0
134 23.2 12.0 36.0





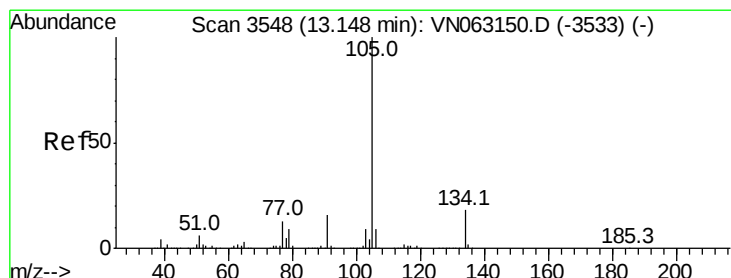
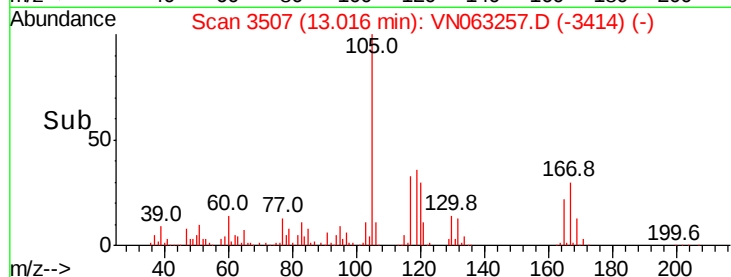
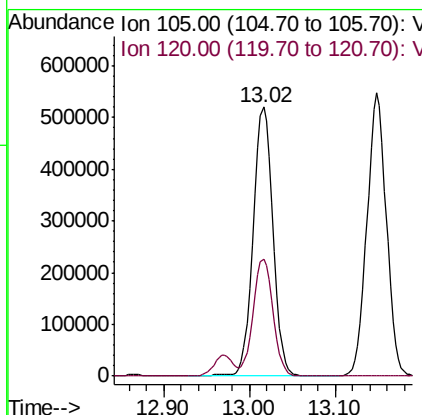
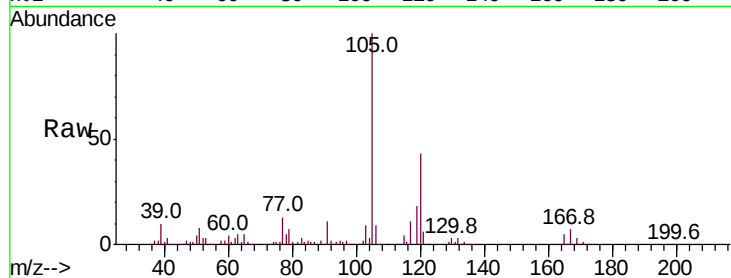
#84
1,2,4-Trimethylbenzene
Concen: 50.823 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion:105 Resp: 837231
Ion Ratio Lower Upper
105 100
120 43.4 22.6 67.7

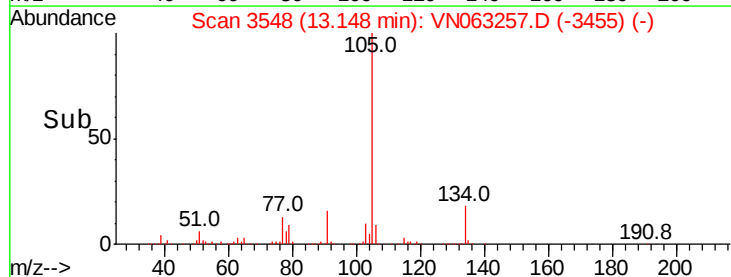
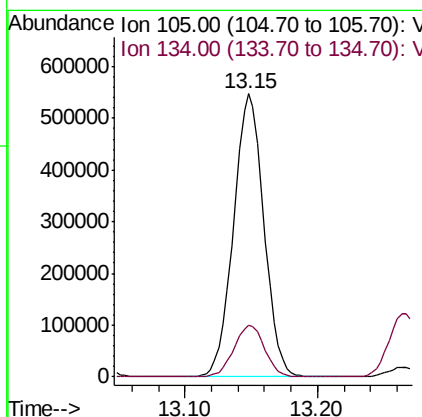
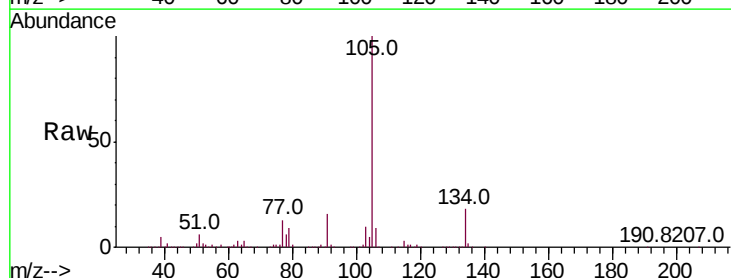
Manual Integrations
APPROVED

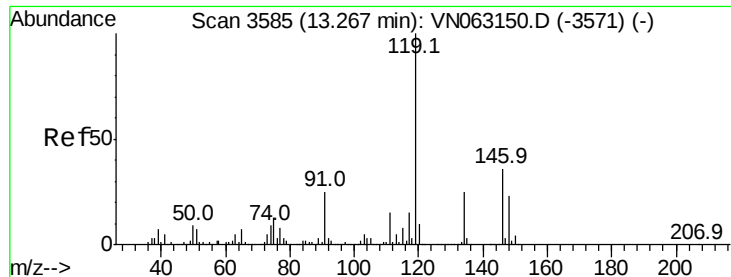
MMDadoda
9/8/2020 1:33:16 PM



#85
sec-Butylbenzene
Concen: 47.433 ug/l
RT: 13.15 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion:105 Resp: 866468
Ion Ratio Lower Upper
105 100
134 18.5 9.4 28.3





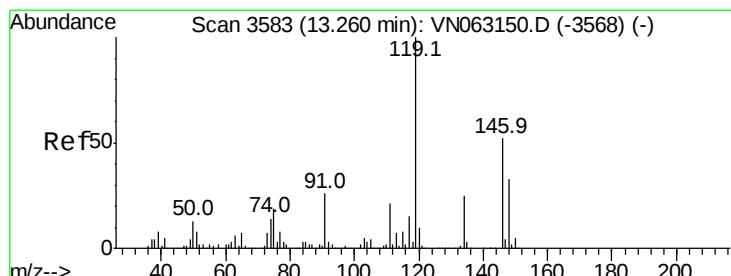
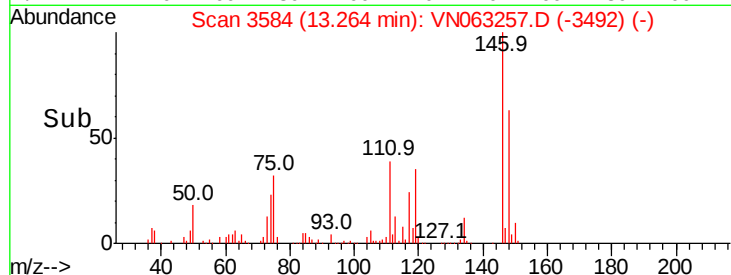
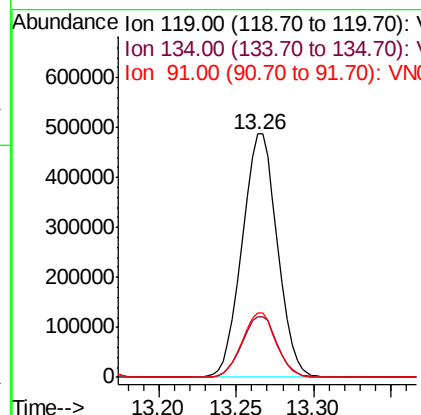
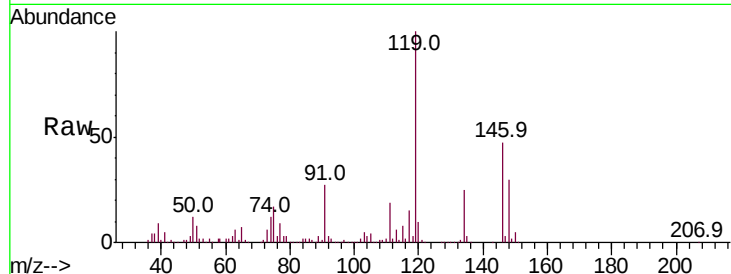
#86
 p-Isopropyltoluene
 Concen: 47.488 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	770158		
134	25.3		12.4	37.4
91	25.5		12.2	36.6

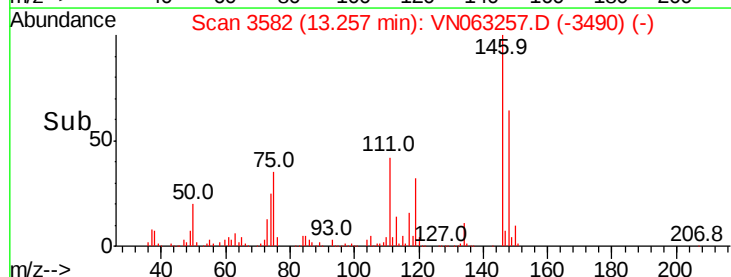
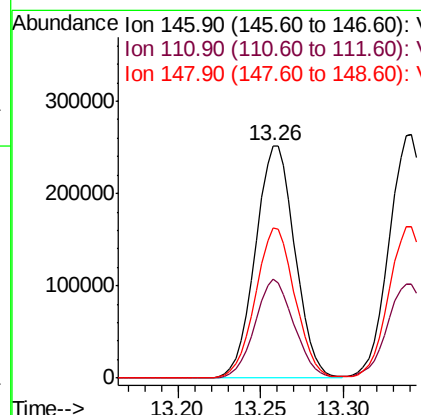
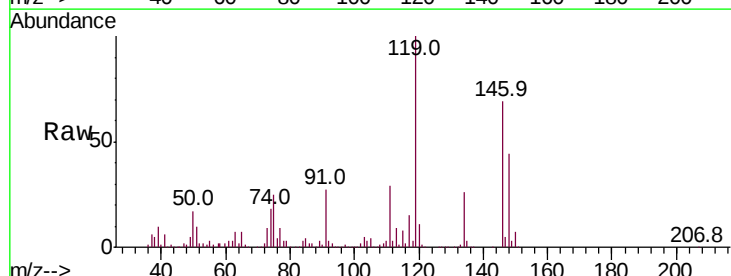
Manual Integrations
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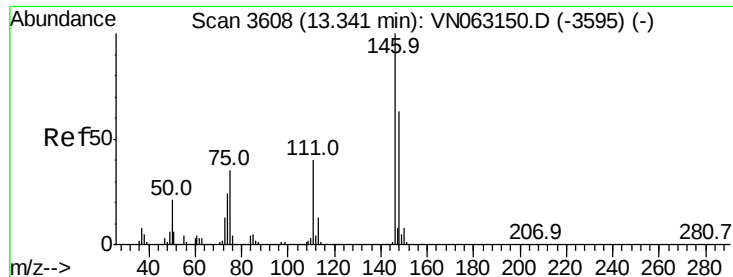
MMDadoda
 9/8/2020 1:33:16 PM



#87
 1,3-Dichlorobenzene
 Concen: 51.147 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	417239		
111	41.9		21.3	63.7
148	64.4		31.9	95.9





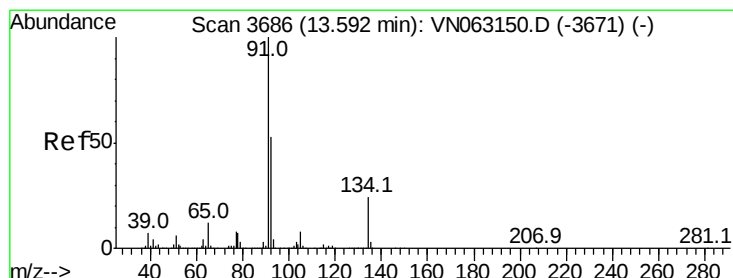
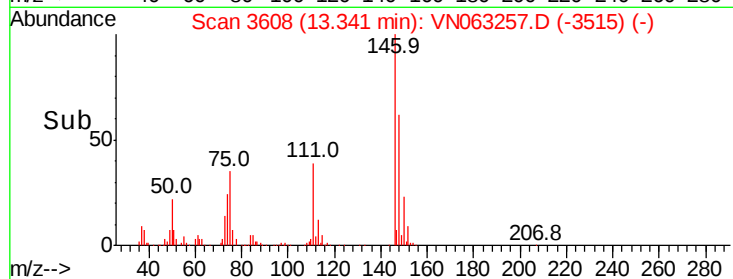
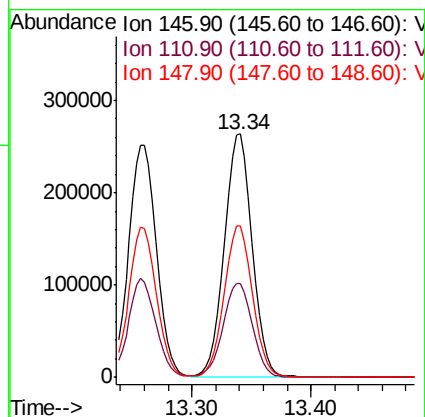
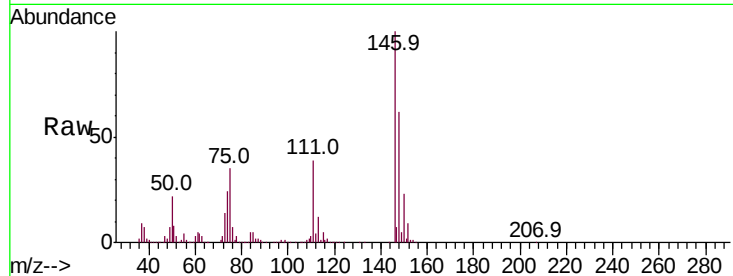
#88
1,4-Dichlorobenzene
Concen: 50.653 ug/l
RT: 13.34 min Scan# 3608
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	427854		
111	40.4	20.5	61.5	
148	63.2	31.9	95.7	

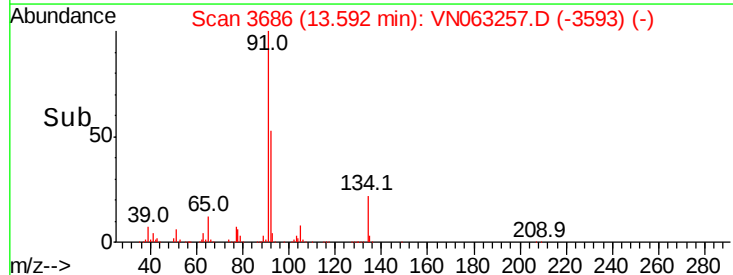
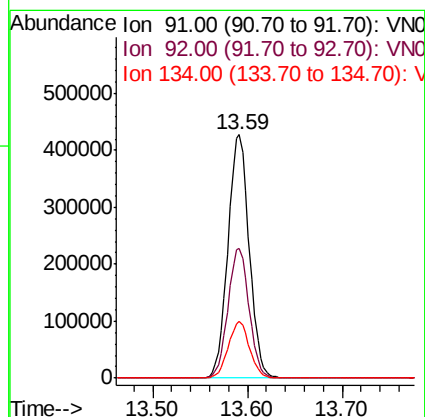
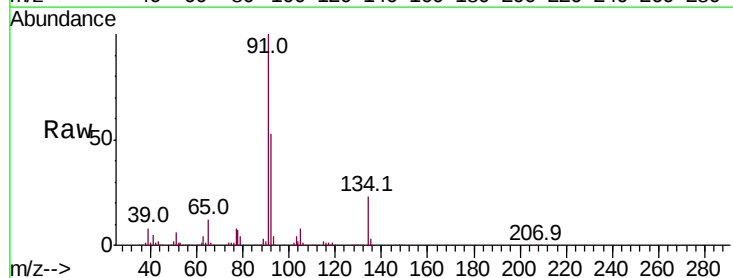
Manual Integrations
APPROVED

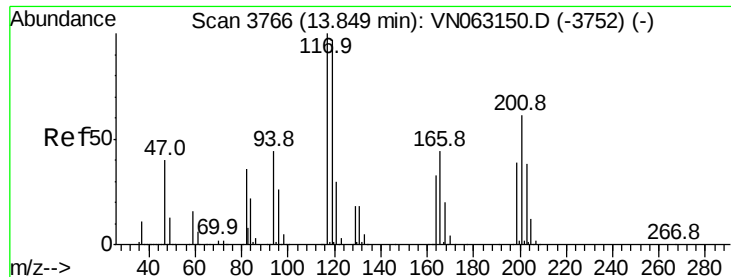
MMDadoda
9/8/2020 1:33:16 PM



#89
n-Butylbenzene
Concen: 44.704 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	669787		
92	52.9	26.3	78.8	
134	23.2	12.0	36.0	





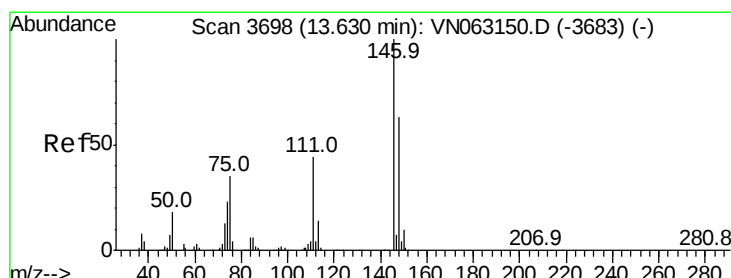
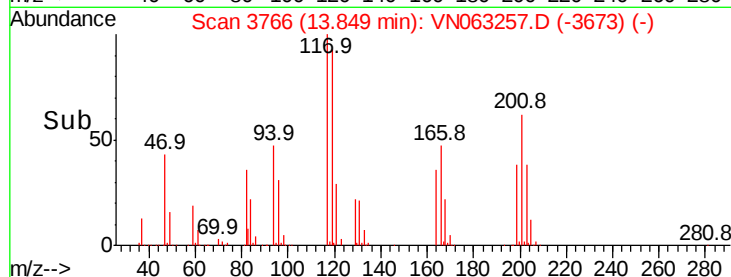
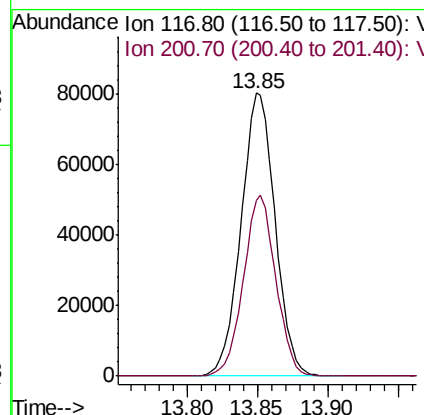
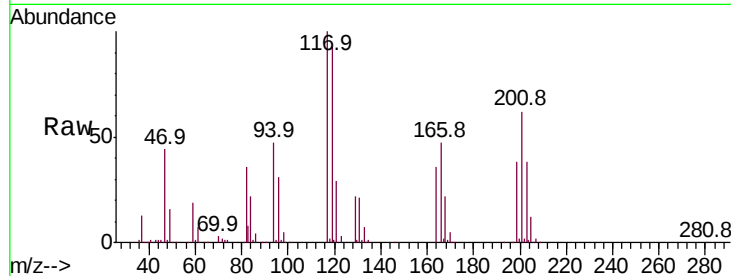
#90
Hexachloroethane
Concen: 45.265 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
SA-MW131I-20200901MSD

Tot Ion:117 Resp: 135894
Ion Ratio Lower Upper
117 100
201 60.8 30.6 92.0

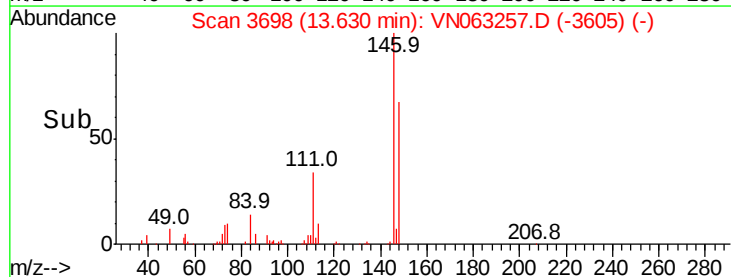
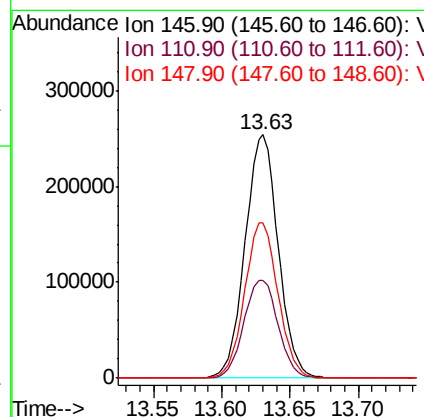
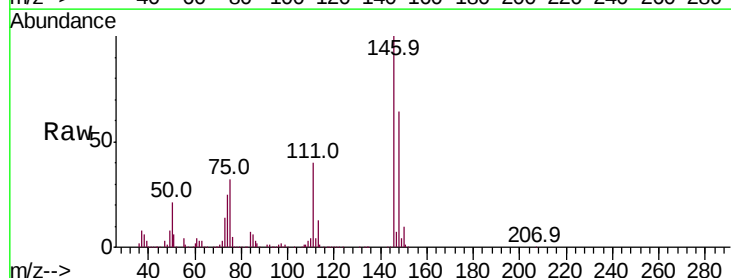
Manual Integrations
APPROVED

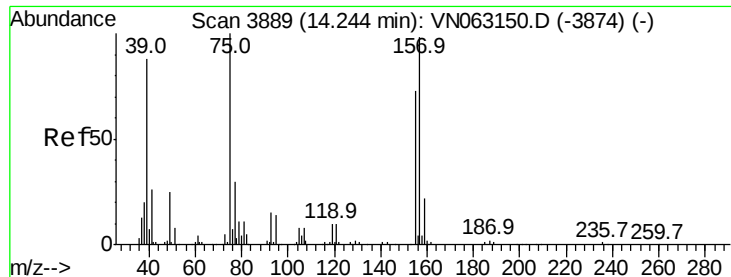
MMDadoda
9/8/2020 1:33:16 PM



#91
1,2-Dichlorobenzene
Concen: 54.027 ug/l
RT: 13.63 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VN063257.D
Acq: 4 Sep 2020 19:00

Tgt Ion:146 Resp: 427692
Ion Ratio Lower Upper
146 100
111 41.7 22.0 66.0
148 64.3 31.6 95.0





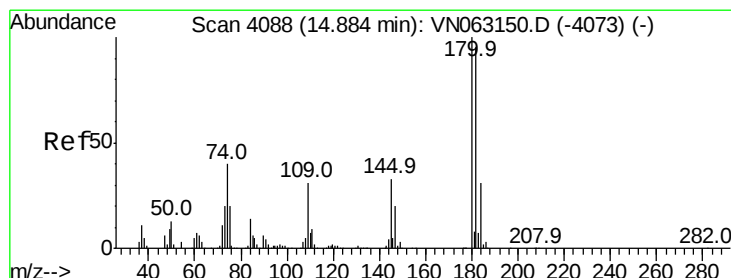
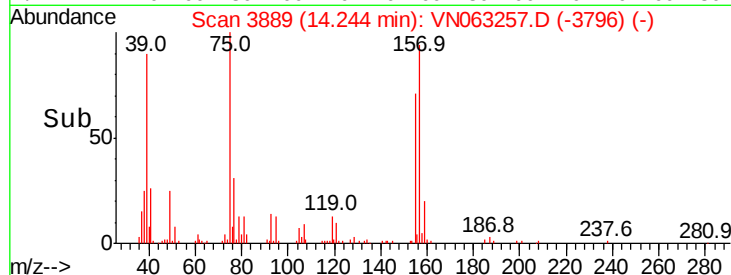
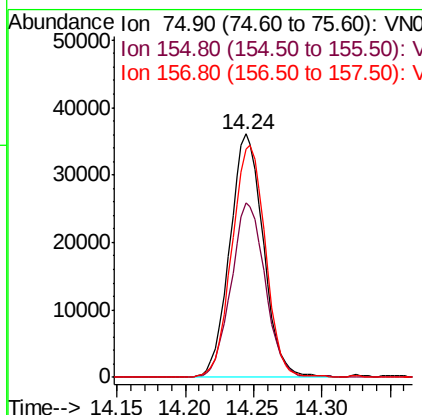
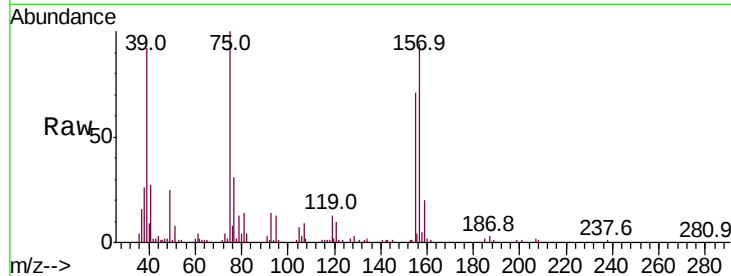
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.539 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	72.6	36.1	108.5
157	94.8	48.4	145.0

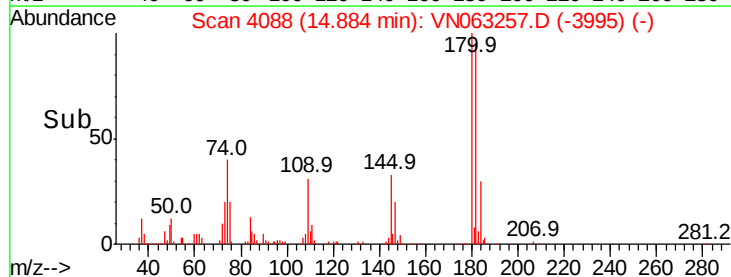
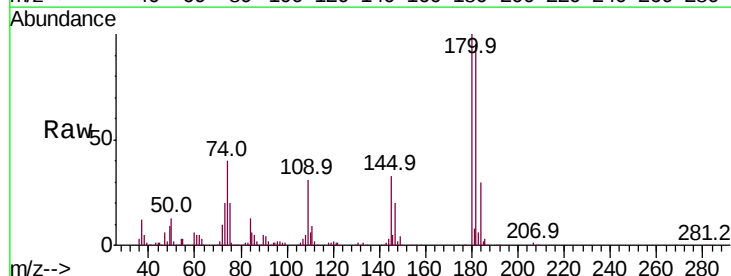
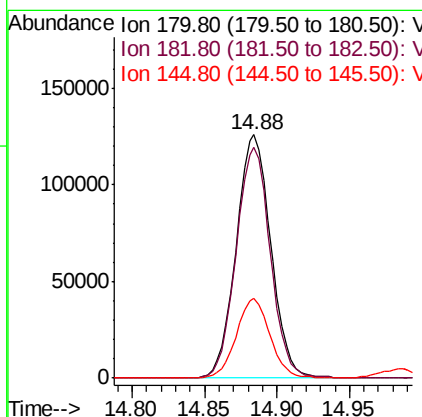
Manual Integrations
 APPROVED

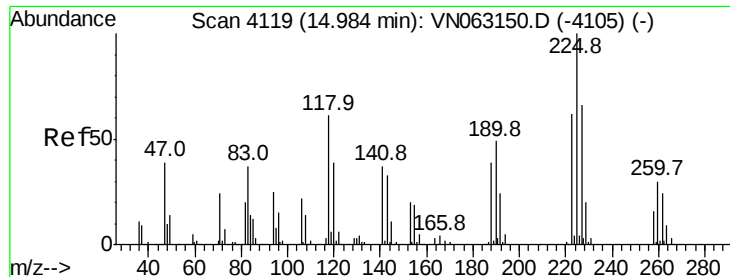
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#93
 1,2,4-Trichlorobenzene
 Concen: 47.300 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.5
145	31.8	16.6	49.8





#94

Hexachlorobutadiene

Concen: 41.482 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Instrument :

MSVOA_N

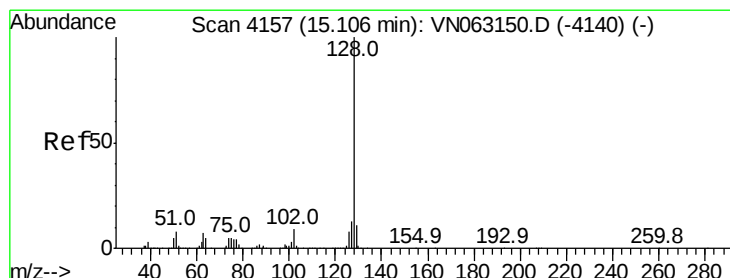
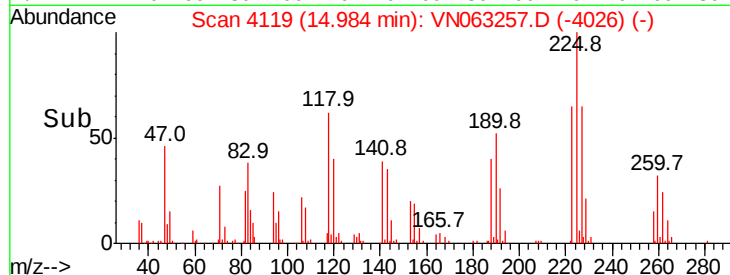
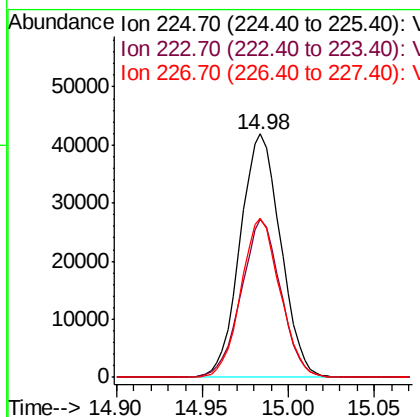
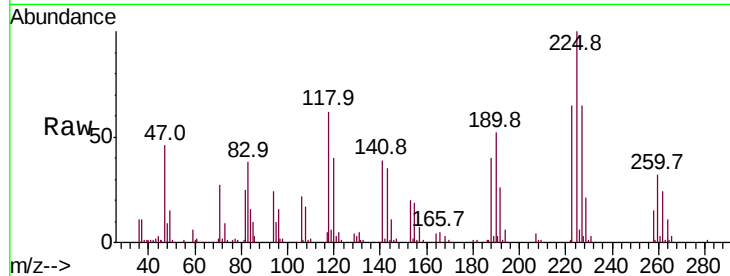
ClientSampleId :

SA-MW131I-20200901MSD

Tot Ion:	225	Resp:	68536
Ion Ratio	Lower	Upper	
225	100		
223	63.3	30.9	92.7
227	62.9	32.9	98.7

Manual Integrations
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#95

Naphthalene

Concen: 49.470 ug/l

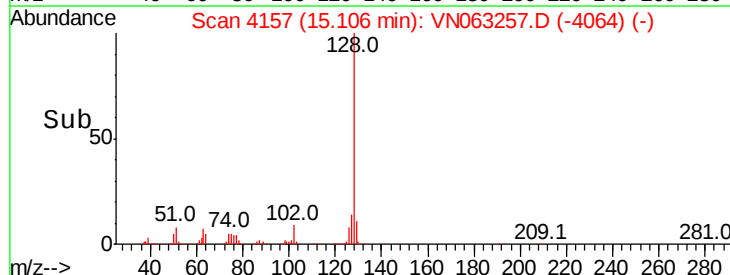
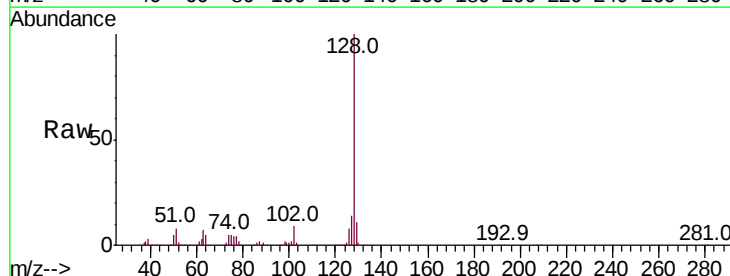
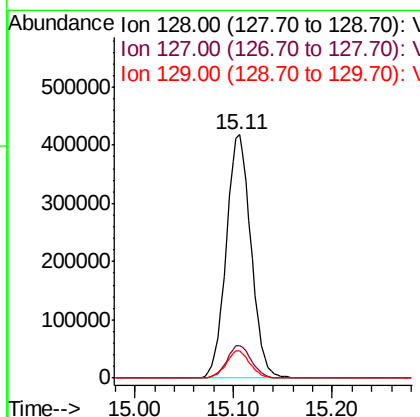
RT: 15.11 min Scan# 4157

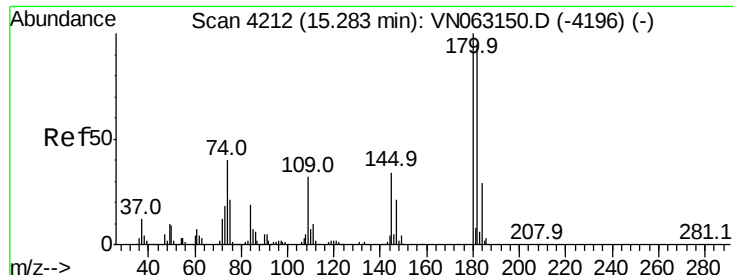
Delta R.T. 0.00 min

Lab File: VN063257.D

Acq: 4 Sep 2020 19:00

Tgt Ion:	128	Resp:	729954
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.8	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 47.100 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN063257.D
 Acq: 4 Sep 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW131I-20200901MSD

Tot Ion:	180	Resp:	202947
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.5
145	35.4	17.3	52.0

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:33:16 PM

