

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063259.D
 Acq On : 4 Sep 2020 19:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:33:11 PM

Quant Time: Sep 07 02:07:37 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	313611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	591787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	565985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	262122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	258270	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.55	113	190778	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.06	98	726598	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.38	95	258246	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	135857	43.987	ug/l	95
3) Chloromethane	2.04	50	207462	46.130	ug/l	98
4) Vinyl Chloride	2.17	62	228630	46.021	ug/l	100
5) Bromomethane	2.53	94	224257	53.627	ug/l	97
6) Chloroethane	2.67	64	211093	53.442	ug/l	99
7) Trichlorofluoromethane	2.98	101	356724	52.220	ug/l	98
8) Diethyl Ether	3.38	74	116104	48.846	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	161253	47.754	ug/l	99
10) Methyl Iodide	3.91	142	223710	48.575	ug/l	98
11) Tert butyl alcohol	4.73	59	138740	220.470	ug/l	99
12) 1,1-Dichloroethene	3.70	96	166454	48.377	ug/l	98
13) Acrolein	3.57	56	66035	274.009	ug/l	97
14) Allyl chloride	4.27	41	288774	47.256	ug/l	95
15) Acrylonitrile	4.93	53	451014	255.807	ug/l	98
16) Acetone	3.77	43	374908	257.253	ug/l	99
17) Carbon Disulfide	4.01	76	441930	43.151	ug/l	99
18) Methyl Acetate	4.28	43	215268	57.609	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	632033	49.516	ug/l	99
20) Methylene Chloride	4.51	84	207657	50.681	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	194756	51.232	ug/l	94
22) Diisopropyl ether	5.90	45	698541	51.011	ug/l	93
23) Vinyl Acetate	5.84	43	2874608	263.083	ug/l	100
24) 1,1-Dichloroethane	5.80	63	376802	49.913	ug/l	99
25) 2-Butanone	6.78	43	605468	268.314	ug/l	98
26) 2,2-Dichloropropane	6.78	77	284234	41.556	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	233405	50.514	ug/l	97
28) Bromochloromethane	7.15	49	185700	47.083	ug/l	99
29) Tetrahydrofuran	7.17	42	408585	261.861	ug/l	97
30) Chloroform	7.33	83	410686	51.997	ug/l	100
31) Cyclohexane	7.62	56	285913	42.722	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	351580	51.658	ug/l	99
36) 1,1-Dichloropropene	7.75	75	283255	49.789	ug/l	98
37) Ethyl Acetate	6.88	43	270944	50.433	ug/l #	95
38) Carbon Tetrachloride	7.74	117	285256	49.442	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063259.D
 Acq On : 4 Sep 2020 19:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:33:11 PM

Quant Time: Sep 07 02:07:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	263693	41.258	ug/l	98
40) Benzene	8.00	78	874341	52.299	ug/l	99
41) Methacrylonitrile	7.13	41	129756	54.139	ug/l	97
42) 1,2-Dichloroethane	8.09	62	336643	53.906	ug/l	99
43) Isopropyl Acetate	8.13	43	492466	53.078	ug/l	99
44) Trichloroethene	8.80	130	219854	54.216	ug/l	99
45) 1,2-Dichloropropane	9.08	63	227838	51.472	ug/l	99
46) Dibromomethane	9.17	93	162680	55.458	ug/l	98
47) Bromodichloromethane	9.37	83	335766	53.401	ug/l	99
48) Methyl methacrylate	9.17	41	232631	55.619	ug/l	96
49) 1,4-Dioxane	9.17	88	62787	970.544	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1458889	289.358	ug/l	99
52) Toluene	10.13	92	563984	54.154	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	347928	50.588	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	374660	51.896	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	218990	54.907	ug/l	98
56) Ethyl methacrylate	10.40	69	326436	53.781	ug/l	98
57) 1,3-Dichloropropane	10.68	76	385784	54.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	796914	253.540	ug/l	100
59) 2-Hexanone	10.72	43	1059017	298.878	ug/l	99
60) Dibromochloromethane	10.87	129	243778	55.285	ug/l	99
61) 1,2-Dibromoethane	10.98	107	229374	55.323	ug/l	98
64) Tetrachloroethene	10.60	164	211588	52.060	ug/l	98
65) Chlorobenzene	11.41	112	585759	51.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	218173	51.548	ug/l	97
67) Ethyl Benzene	11.49	91	1087226	52.280	ug/l	100
68) m/p-Xylenes	11.59	106	792619	102.907	ug/l	99
69) o-Xylene	11.92	106	388287	52.184	ug/l	99
70) Styrene	11.94	104	676398	52.895	ug/l	99
71) Bromoform	12.10	173	153942	53.595	ug/l #	99
73) Isopropylbenzene	12.22	105	998851	49.683	ug/l	99
74) N-amyl acetate	12.04	43	446830	53.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	312509	53.916	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	270057m	52.437	ug/l	
77) Bromobenzene	12.50	156	239567	52.689	ug/l	97
78) n-propylbenzene	12.57	91	1155547	49.671	ug/l	100
79) 2-Chlorotoluene	12.65	91	700724	50.289	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	841302	50.274	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	94965	44.567	ug/l	91
82) 4-Chlorotoluene	12.75	91	740323	51.229	ug/l	99
83) tert-Butylbenzene	12.97	119	654762	45.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	862659	51.143	ug/l	98
85) sec-Butylbenzene	13.15	105	888995	47.529	ug/l	98
86) p-Isopropyltoluene	13.26	119	785490	47.302	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	437128	52.333	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	442543	51.168	ug/l	99
89) n-Butylbenzene	13.59	91	687579	44.819	ug/l	99
90) Hexachloroethane	13.85	117	133072	43.289	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	444030	54.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	62202	48.813	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
Data File : VN063259.D
Acq On : 4 Sep 2020 19:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM

Quant Time: Sep 07 02:07:37 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)
93) 1,2,4-Trichlorobenzene	14.88	180	218148	48.172	ug/l	98
94) Hexachlorobutadiene	14.98	225	71460	42.241	ug/l	97
95) Naphthalene	15.11	128	770272	50.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	213003	48.279	ug/l	99

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

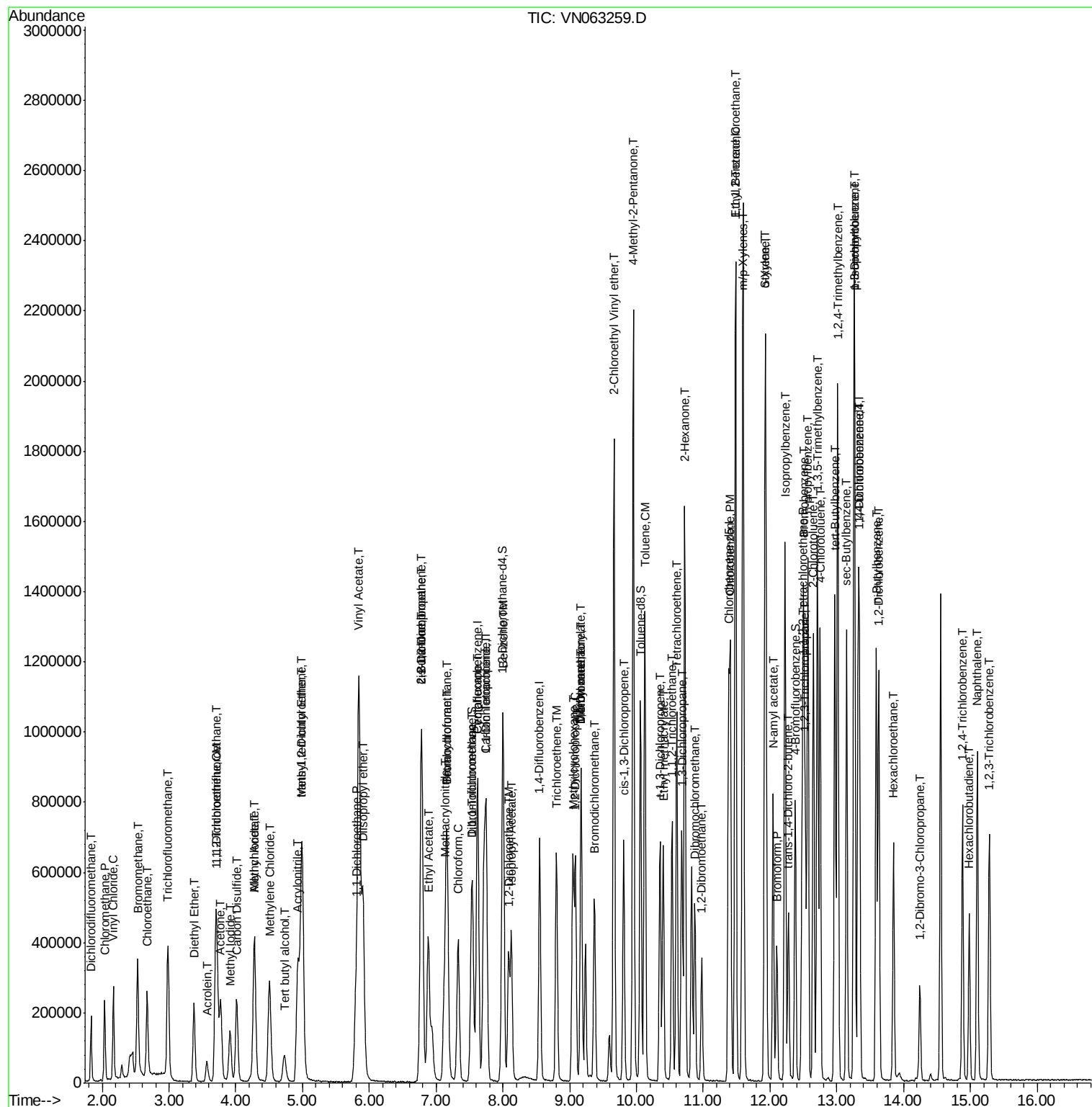
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090420\
Data File : VN063259.D
Acq On : 4 Sep 2020 19:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

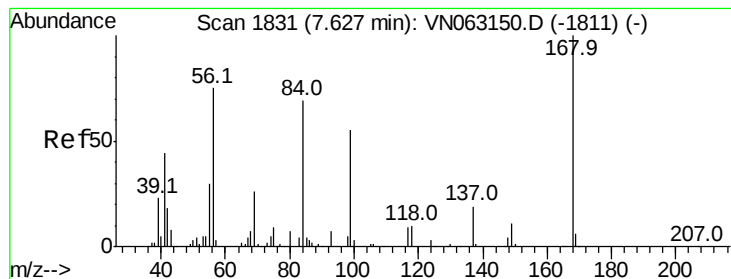
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM

Quant Time: Sep 07 02:07:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 313611

Ion Ratio Lower Upper

168 100

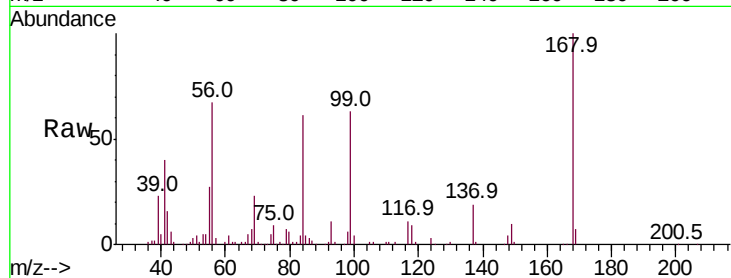
99 62.9 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

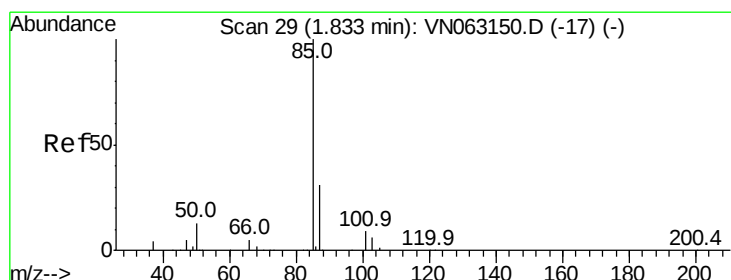
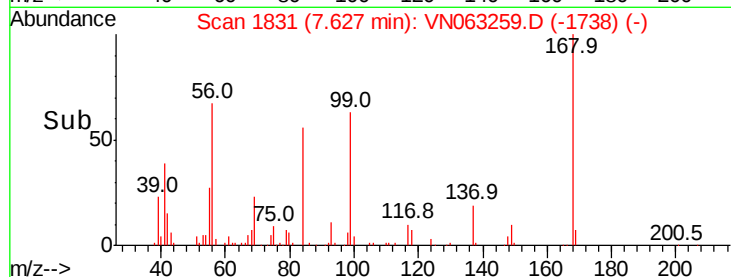
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.987 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063259.D

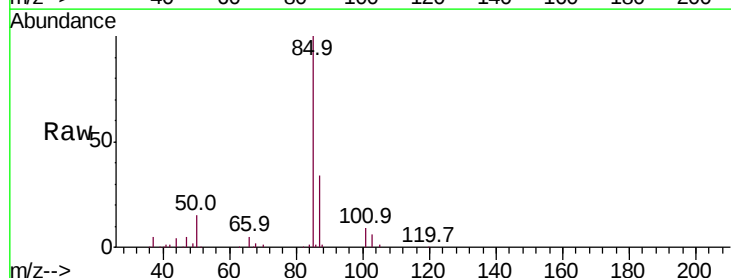
Acq: 4 Sep 2020 19:48

Tgt Ion: 85 Resp: 135857

Ion Ratio Lower Upper

85 100

87 34.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

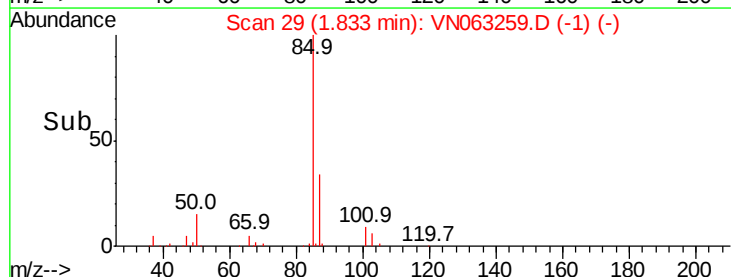
40000

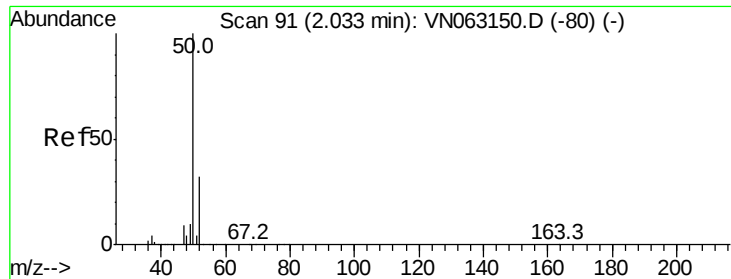
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 46.130 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 207462

Ion Ratio Lower Upper

50 100

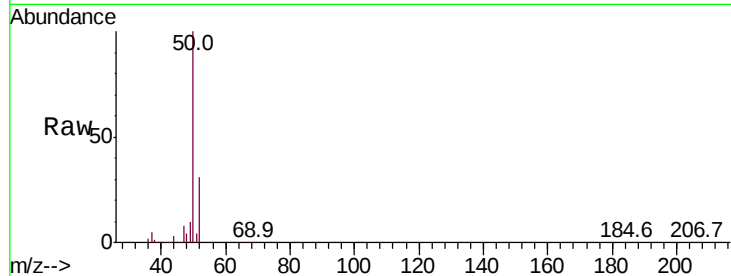
52 31.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

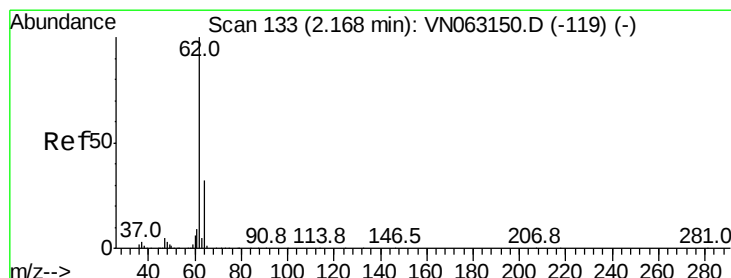
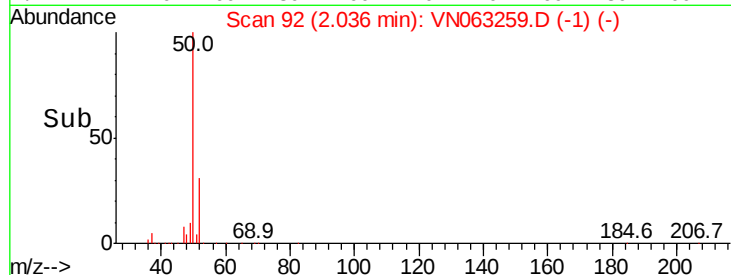
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 46.021 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN063259.D

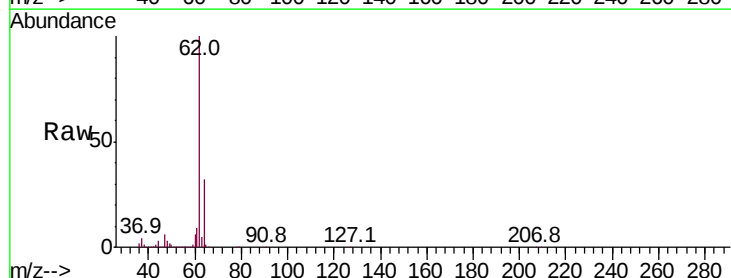
Acq: 4 Sep 2020 19:48

Tgt Ion: 62 Resp: 228630

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

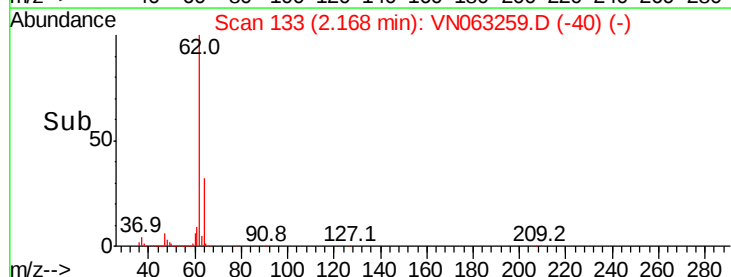
150000

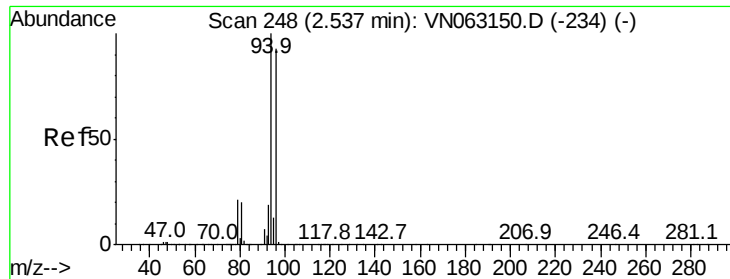
100000

50000

0

Time--> 2.10 2.20 2.30





#5

Bromomethane

Concen: 53.627 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 224257

Ion Ratio Lower Upper

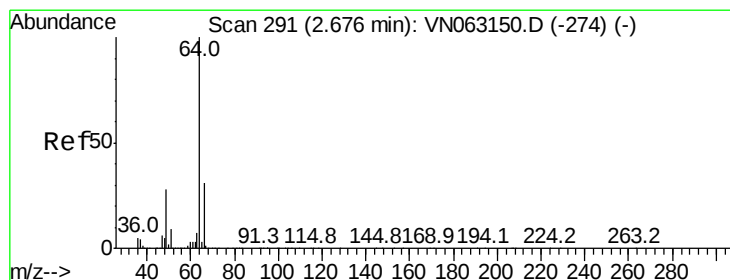
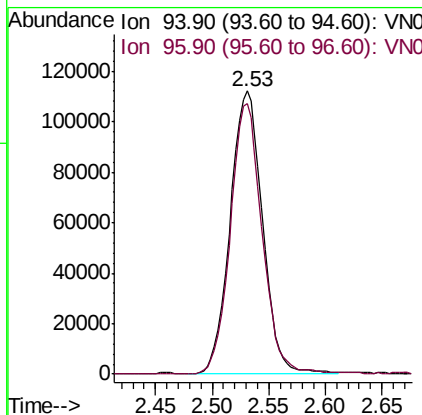
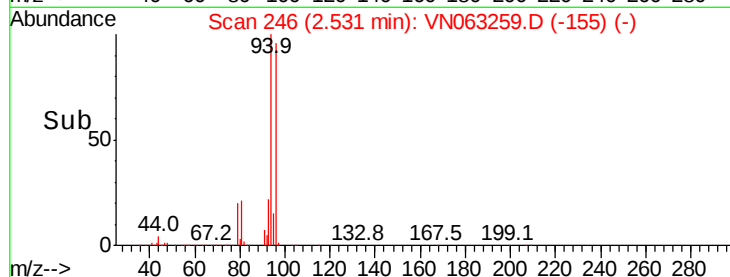
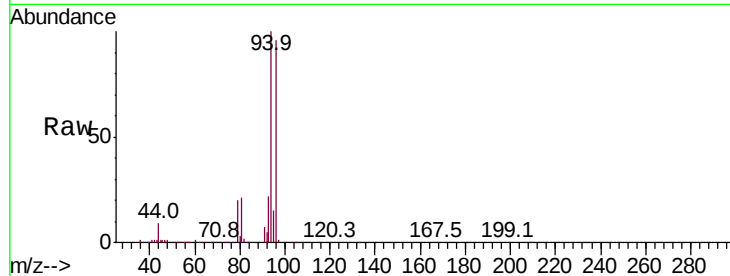
94 100

96 95.5 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#6

Chloroethane

Concen: 53.442 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063259.D

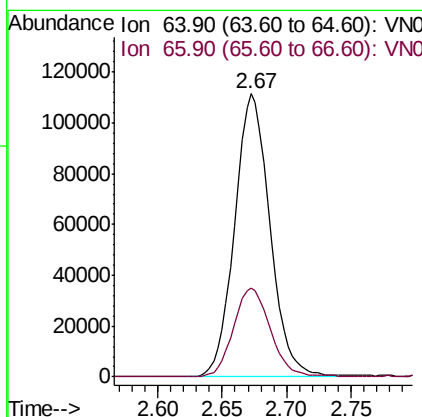
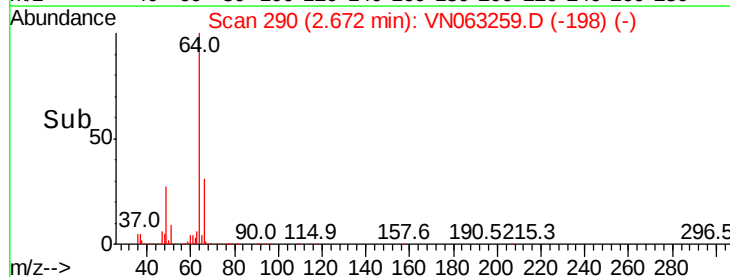
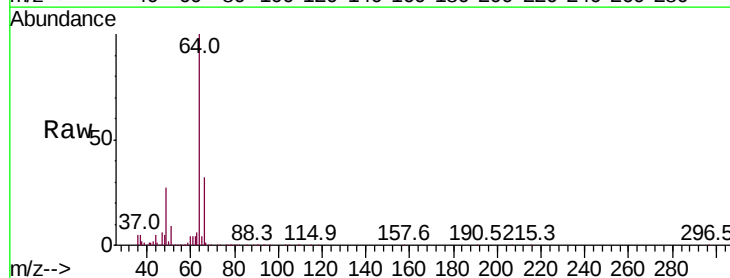
Acq: 4 Sep 2020 19:48

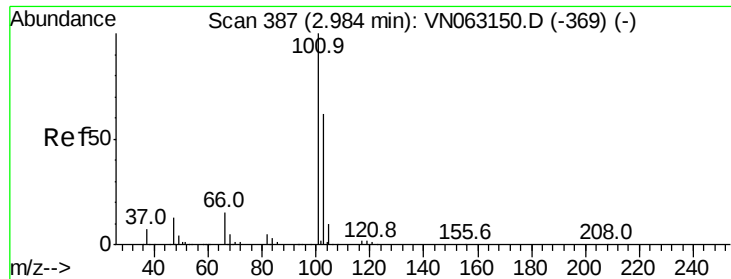
Tgt Ion: 64 Resp: 211093

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1





#7

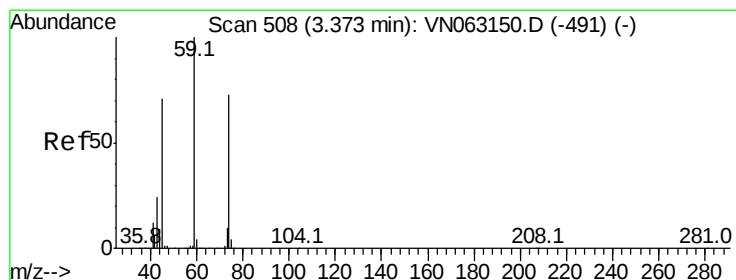
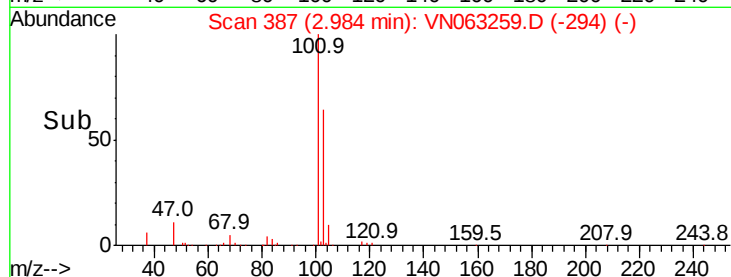
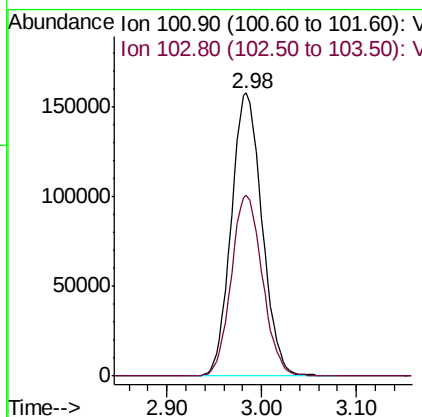
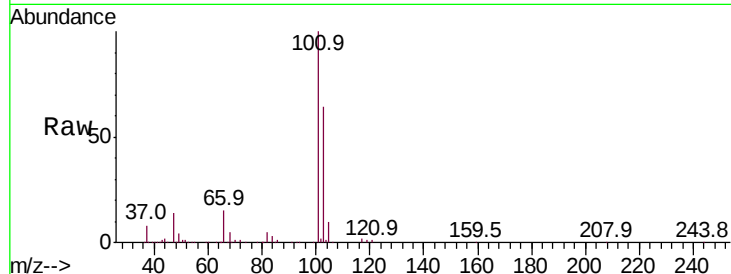
Trichlorofluoromethane
Concen: 52.220 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.7	74.5

Manual Integrations
APPROVED

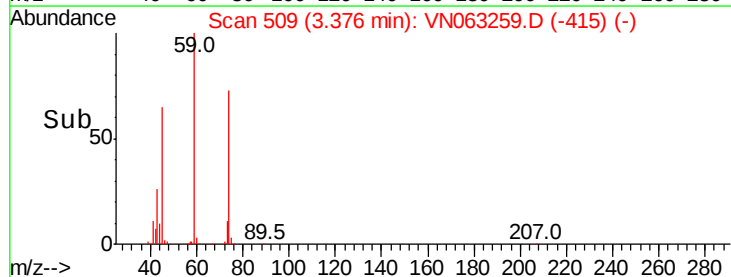
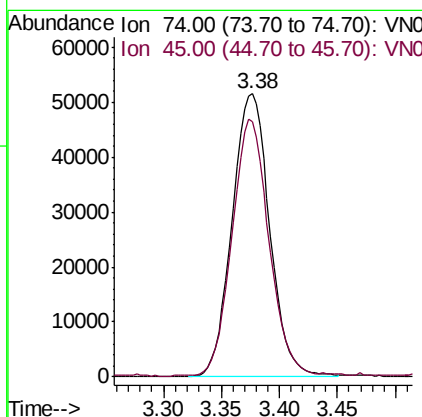
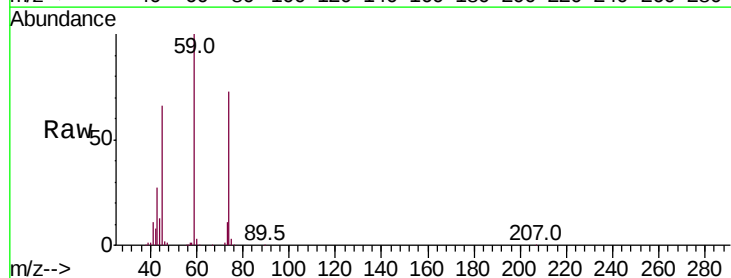
MMDadoda
9/8/2020 1:33:11 PM

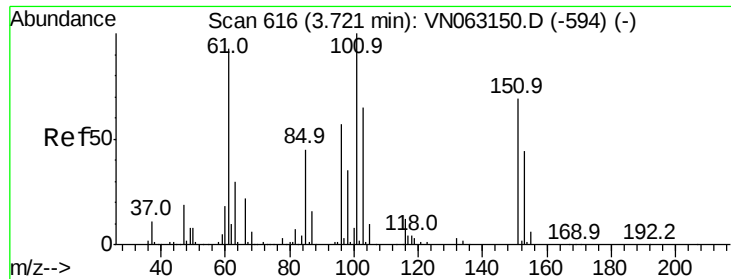


#8

Diethyl Ether
Concen: 48.846 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.3	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.754 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

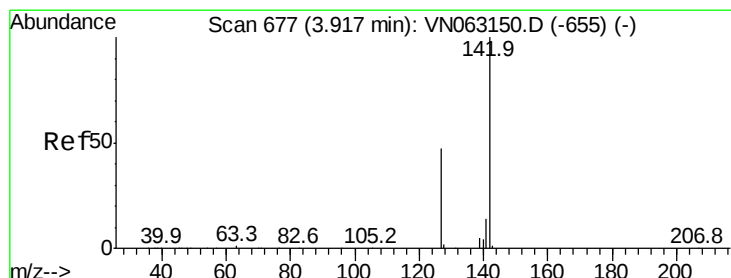
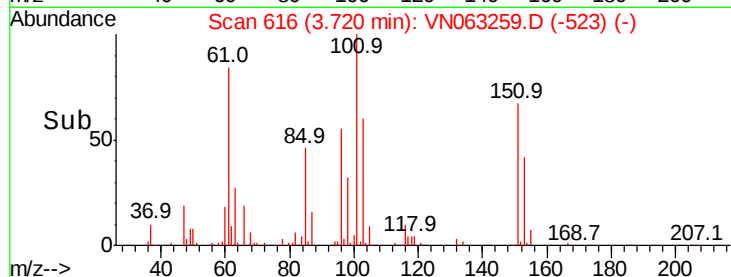
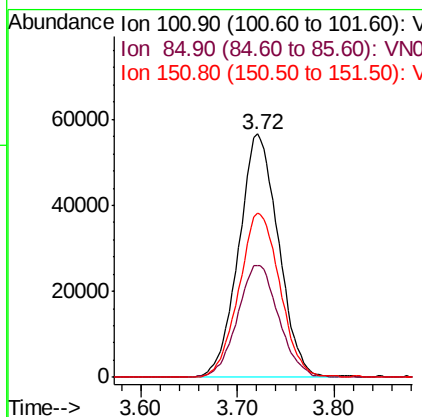
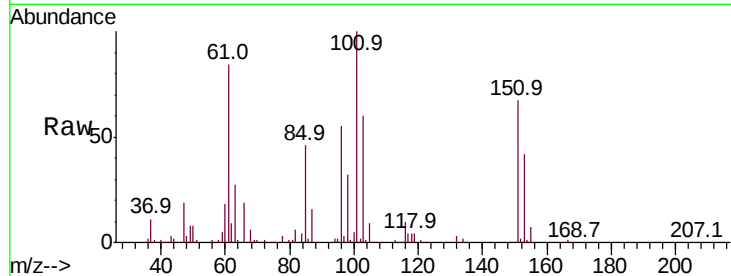
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	161253
Ion Ratio	Lower	Upper	
101	100		
85	47.8	37.8	56.8
151	69.5	55.0	82.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#10

Methyl Iodide

Concen: 48.575 ug/l

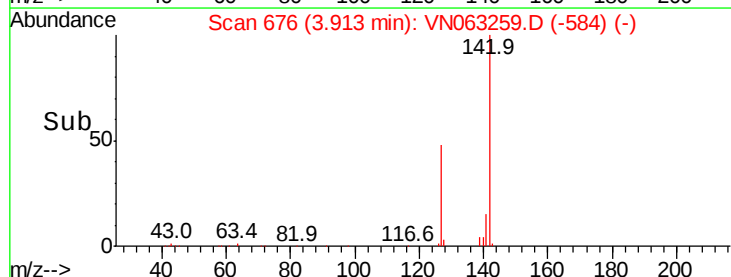
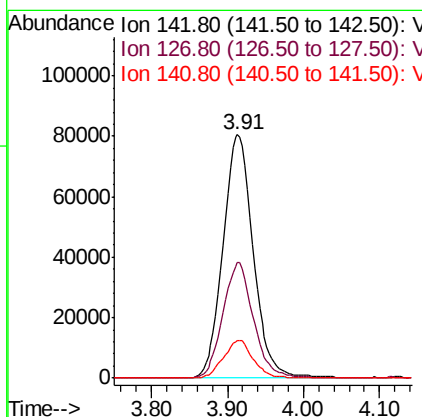
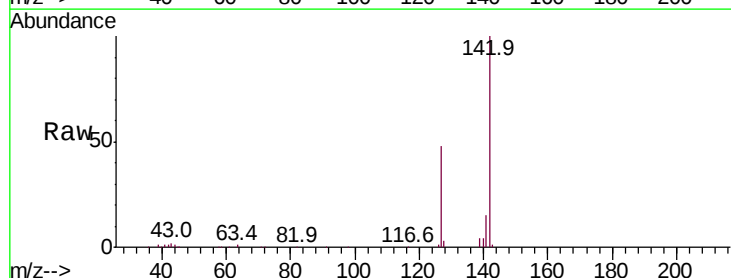
RT: 3.91 min Scan# 676

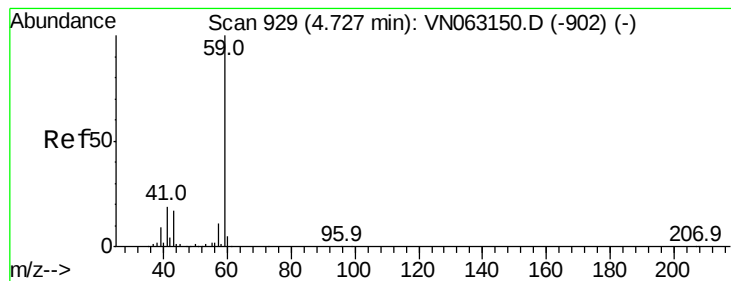
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	142	Resp:	223710
Ion Ratio	Lower	Upper	
142	100		
127	47.9	37.6	56.4
141	15.2	11.3	16.9





#11

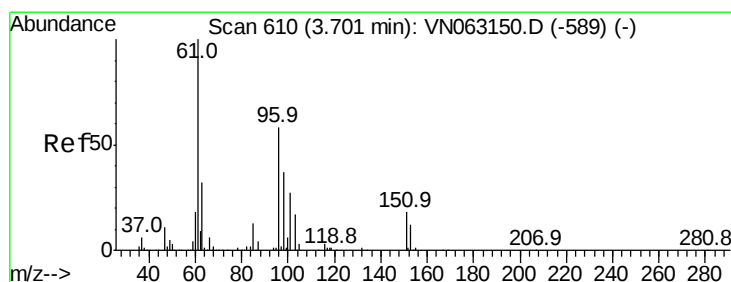
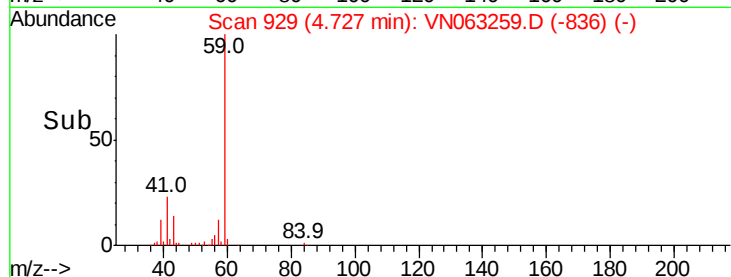
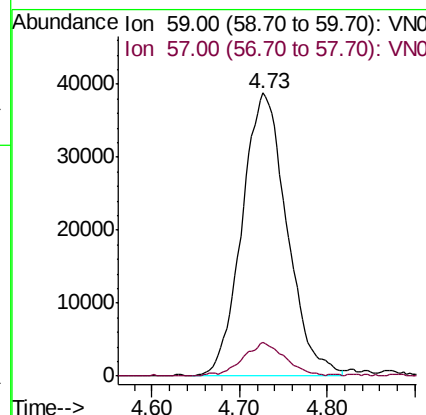
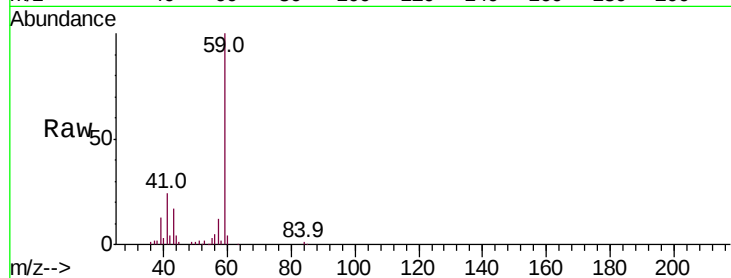
Tert butyl alcohol
Concen: 220.470 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	138740
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

Manual Integrations
APPROVED

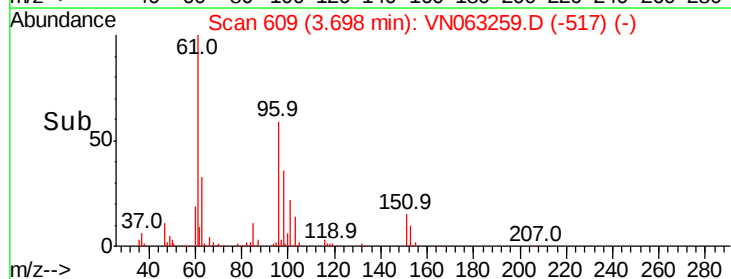
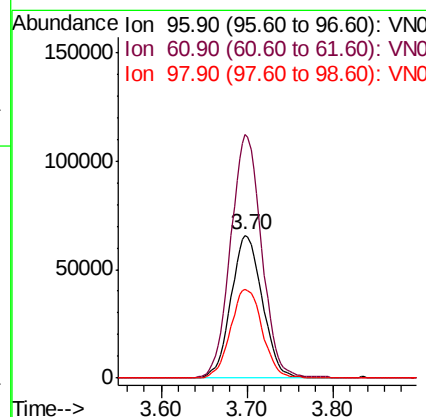
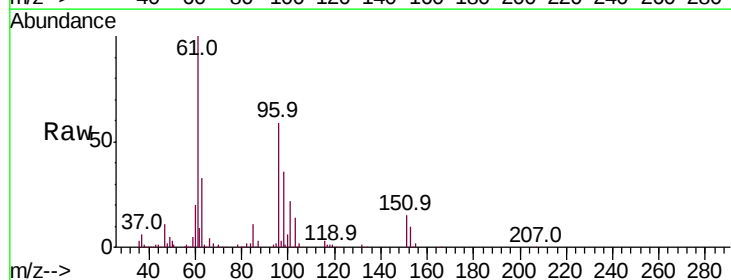
MMDadoda
9/8/2020 1:33:11 PM

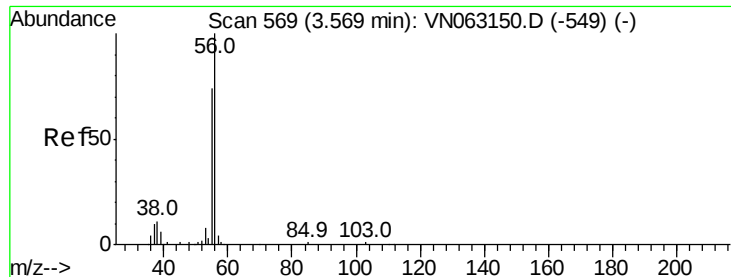


#12

1,1-Dichloroethene
Concen: 48.377 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	96	Resp	166454
Ion Ratio	100	Lower	Upper
61	169.8	137.4	206.2
98	61.8	50.5	75.7





#13

Acrolein

Concen: 274.009 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 66035

Ion Ratio Lower Upper

56 100

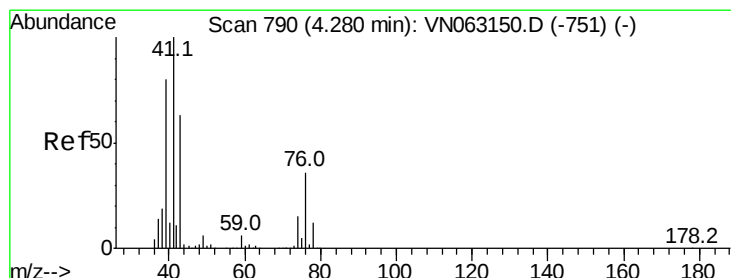
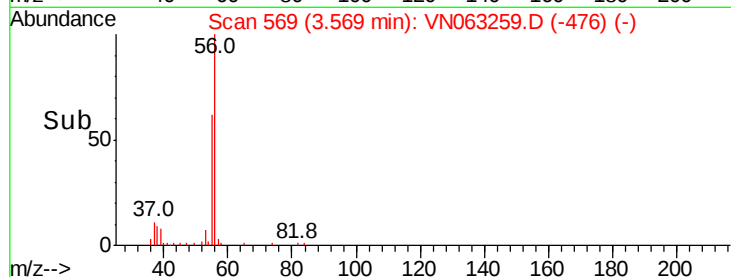
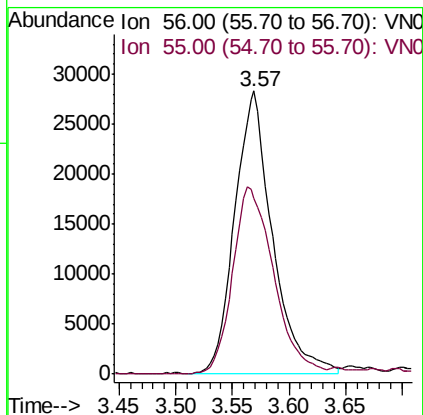
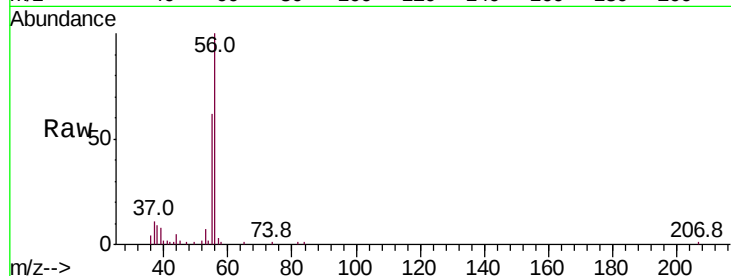
55 71.5 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#14

Allyl chloride

Concen: 47.256 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

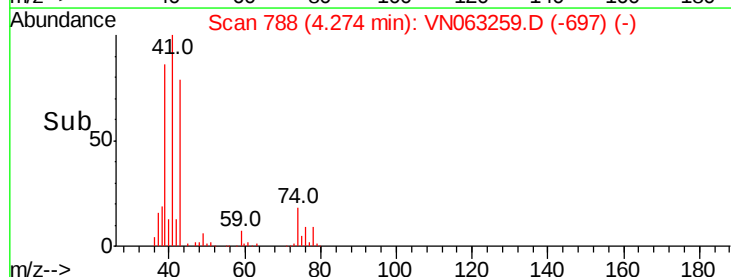
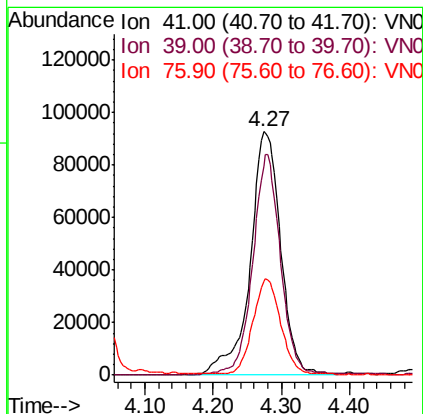
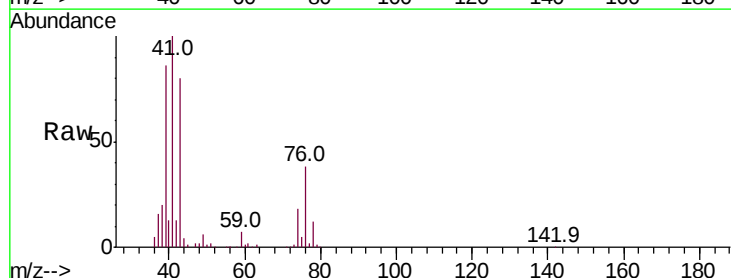
Tgt Ion: 41 Resp: 288774

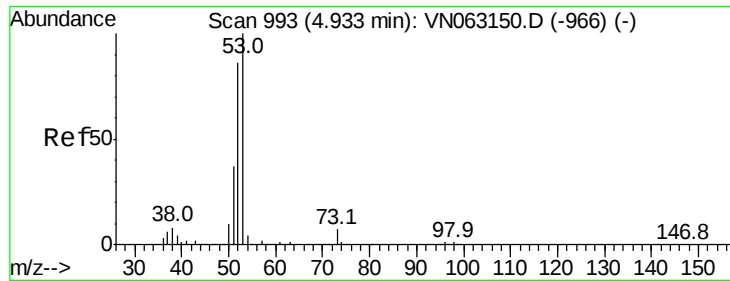
Ion Ratio Lower Upper

41 100

39 81.6 60.2 90.2

76 35.0 27.7 41.5





#15

Acrylonitrile

Concen: 255.807 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

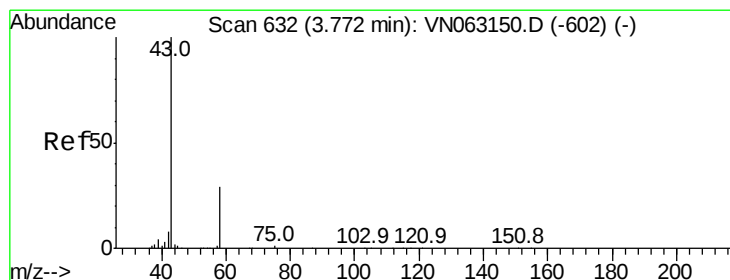
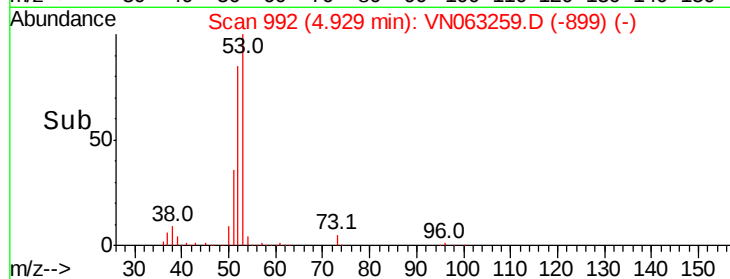
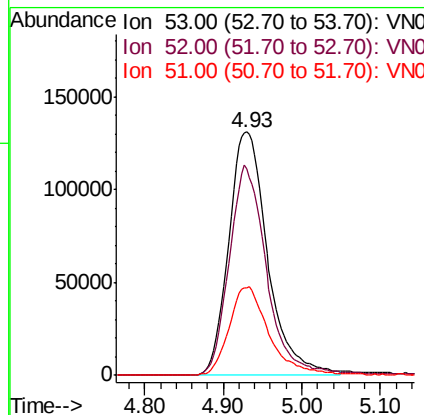
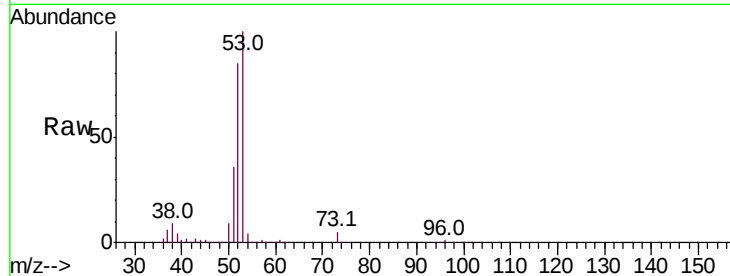
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	451014
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.2	100.8
51	37.5	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#16

Acetone

Concen: 257.253 ug/l

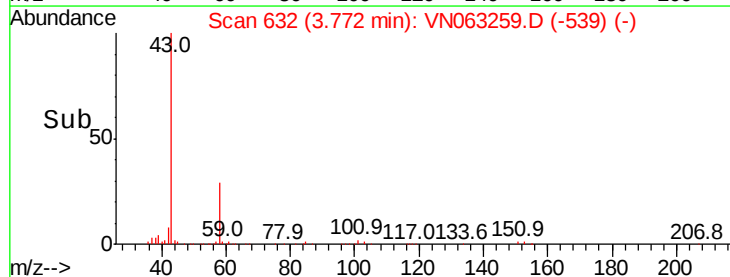
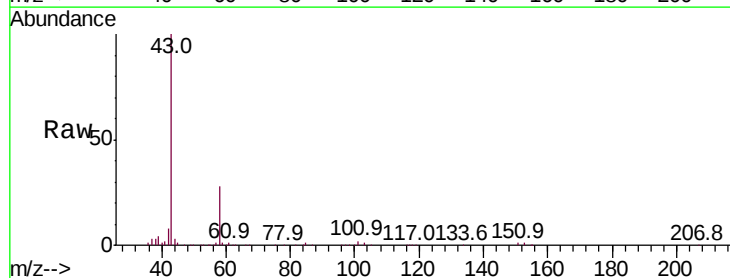
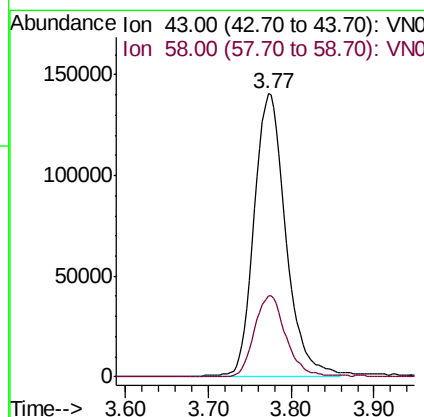
RT: 3.77 min Scan# 632

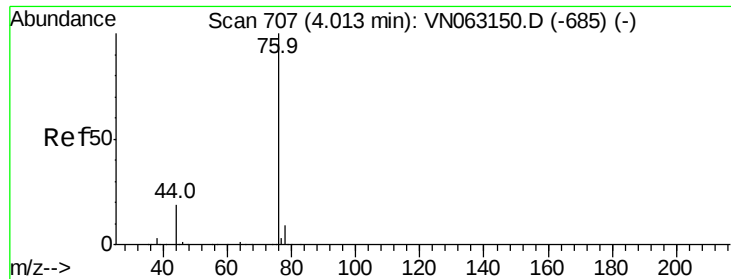
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	43	Resp:	374908
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.1	34.7





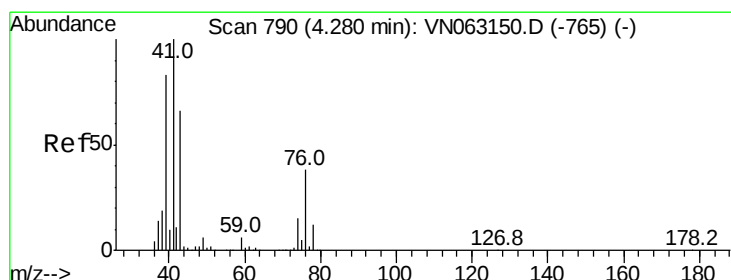
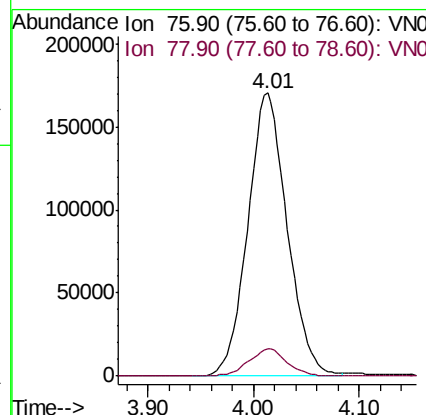
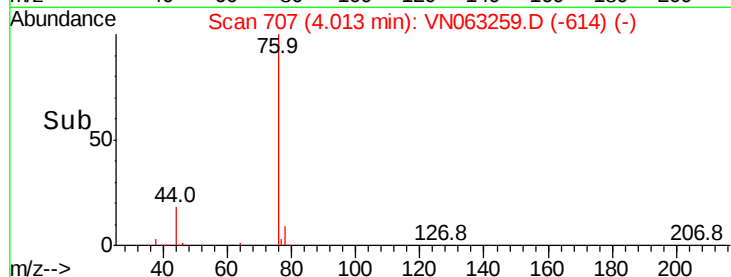
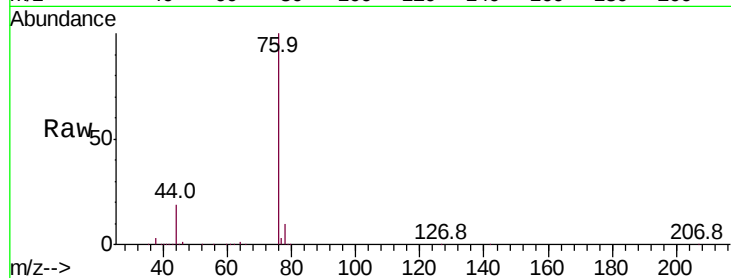
#17
Carbon Disulfide
Concen: 43.151 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

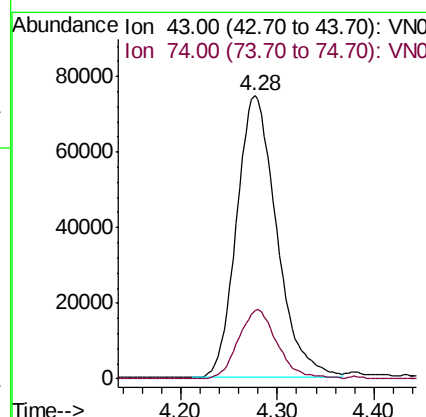
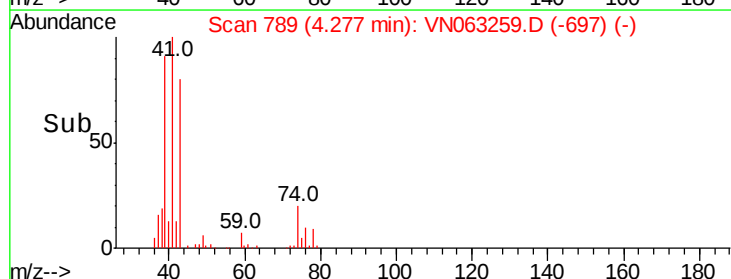
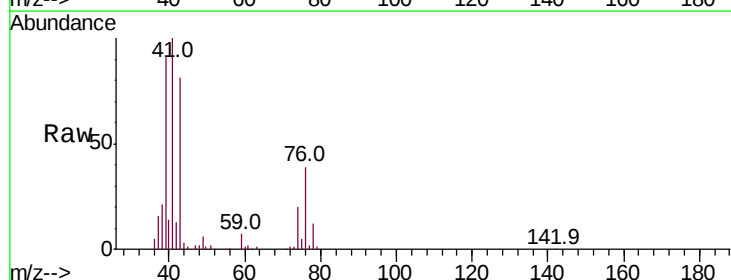
Manual Integrations
APPROVED

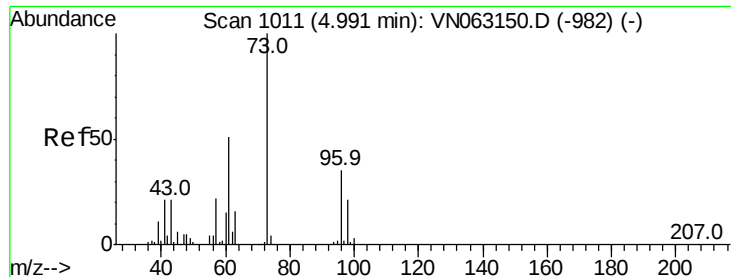
MMDadoda
9/8/2020 1:33:11 PM



#18
Methyl Acetate
Concen: 57.609 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.6





#19

Methyl tert-butyl Ether

Concen: 49.516 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 73 Resp: 632033

Ion Ratio Lower Upper

73 100

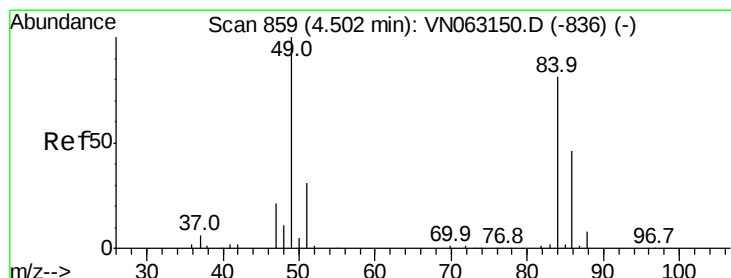
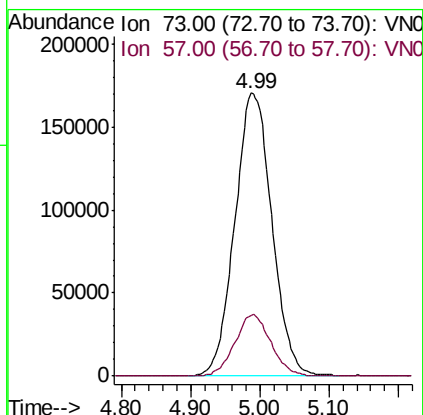
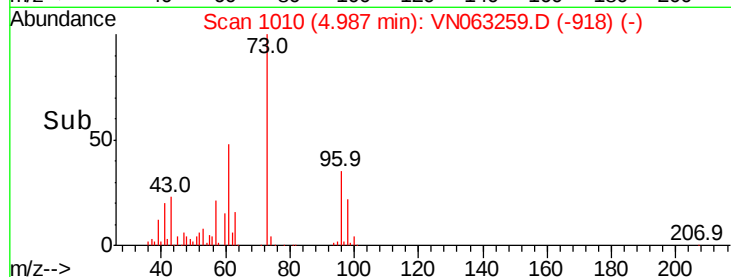
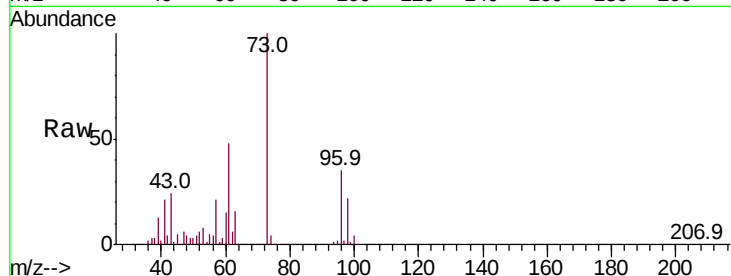
57 21.5 17.6 26.4

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#20

Methylene Chloride

Concen: 50.681 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion: 84 Resp: 207657

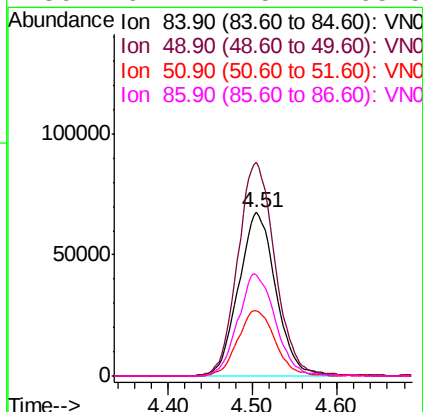
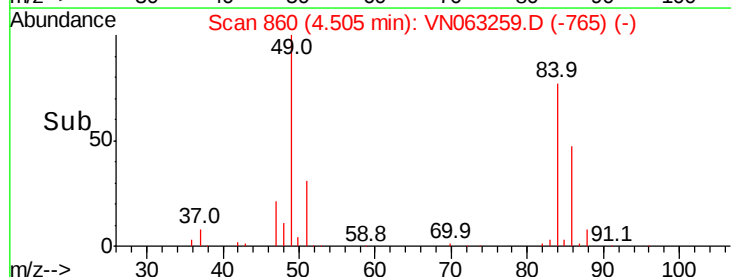
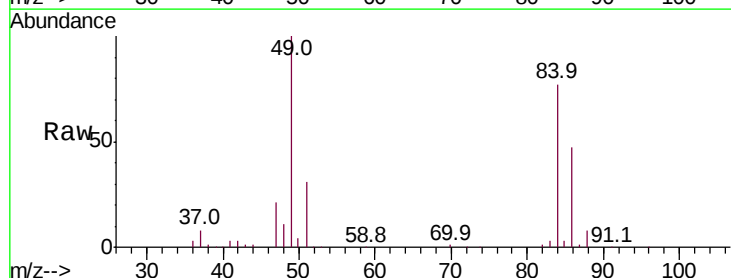
Ion Ratio Lower Upper

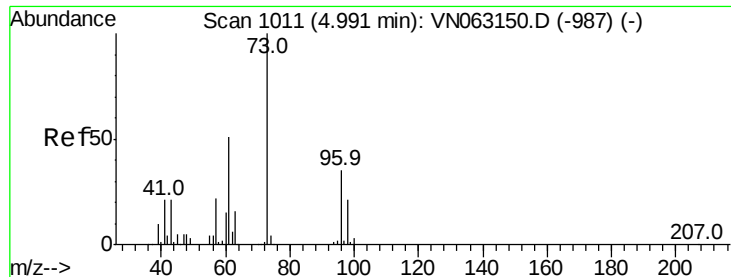
84 100

49 130.4 98.4 147.6

51 39.9 30.4 45.6

86 61.4 45.7 68.5





#21

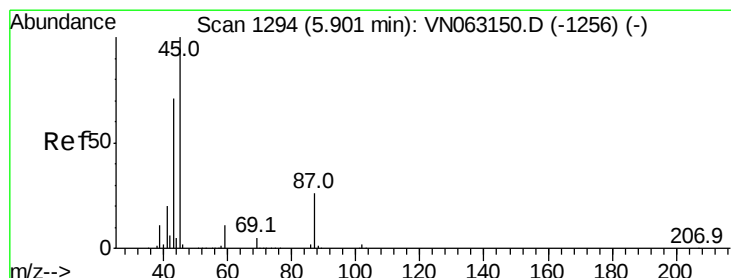
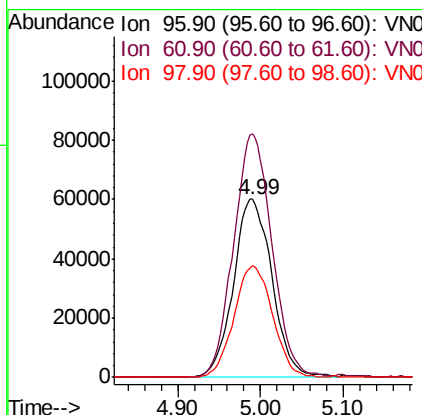
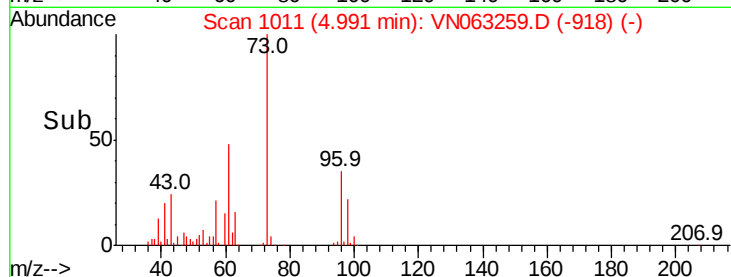
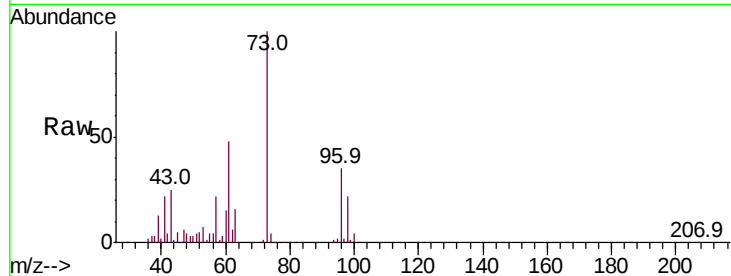
trans-1,2-Dichloroethene
Concen: 51.232 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	116.2	174.4
98	62.5	48.0	72.0

Manual Integrations
APPROVED

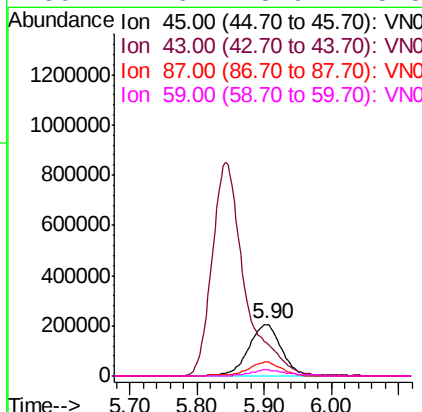
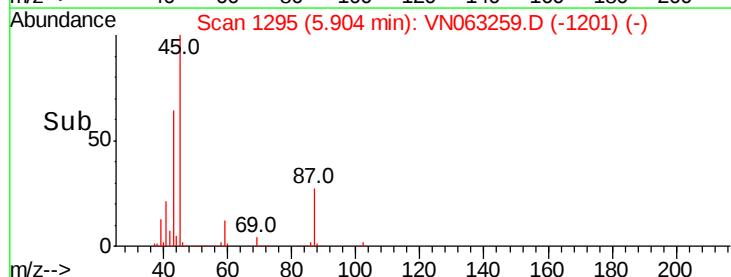
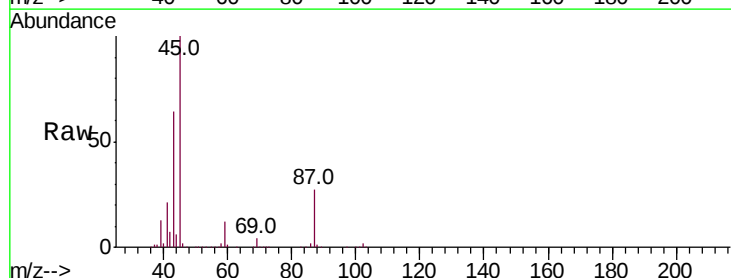
MMDadoda
9/8/2020 1:33:11 PM

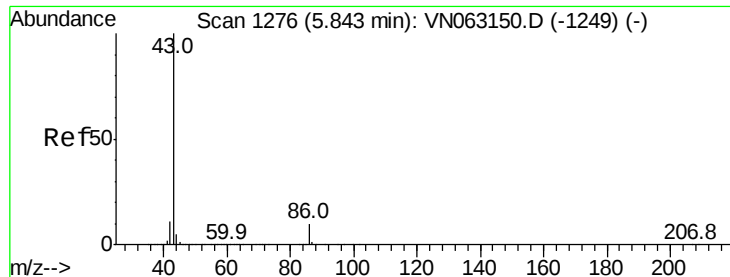


#22

Diisopropyl ether
Concen: 51.011 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	56.8	85.2
87	26.9	21.1	31.7
59	11.6	8.9	13.3





#23

Vinyl Acetate

Concen: 263.083 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2874608

Ion Ratio Lower Upper

43 100

86 10.6

8.3

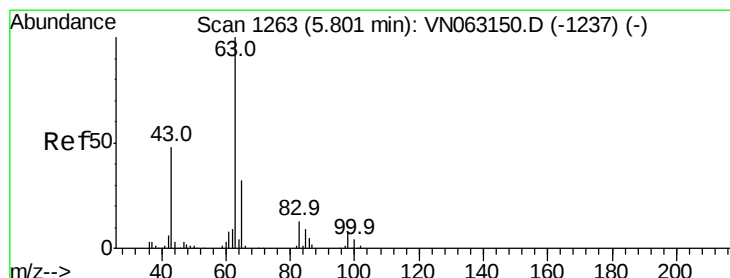
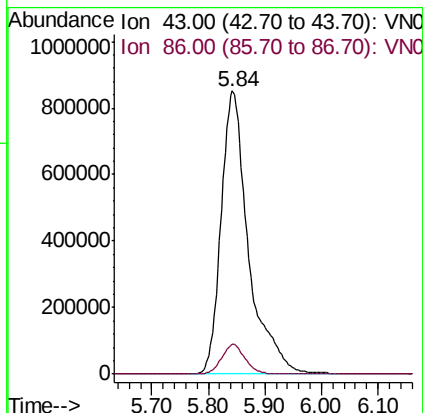
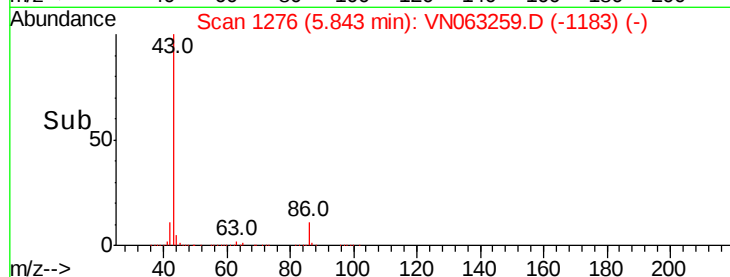
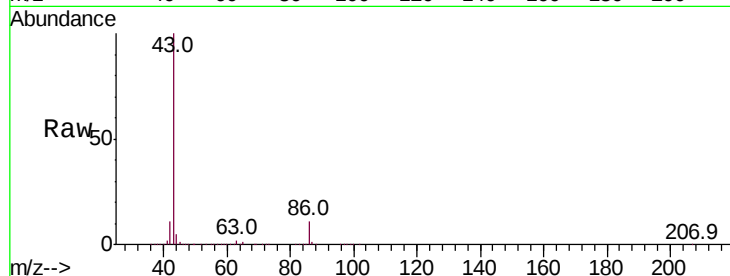
12.5

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#24

1,1-Dichloroethane

Concen: 49.913 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion: 63 Resp: 376802

Ion Ratio Lower Upper

63 100

98 7.1

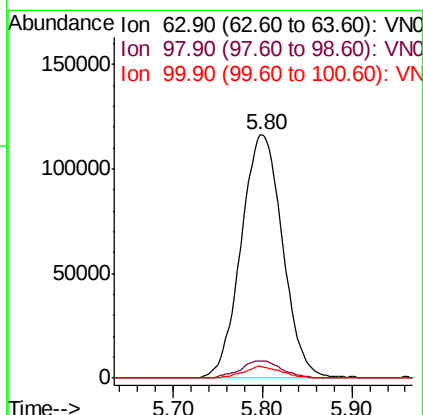
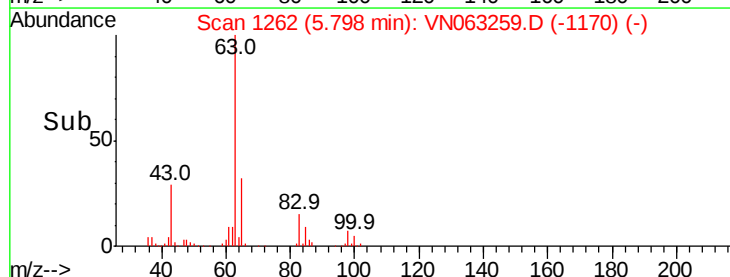
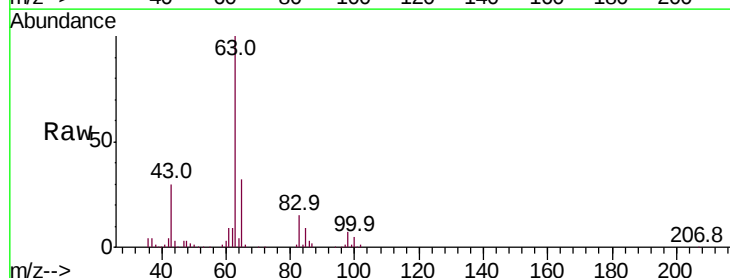
3.4

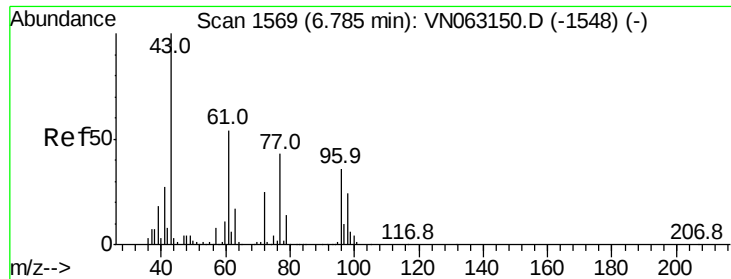
10.1

100 4.9

2.3

6.8





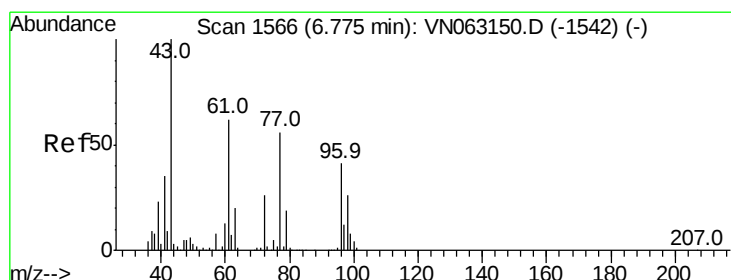
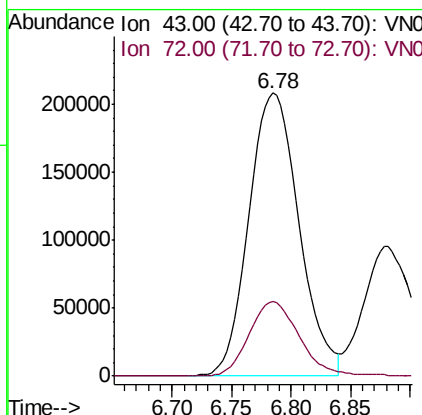
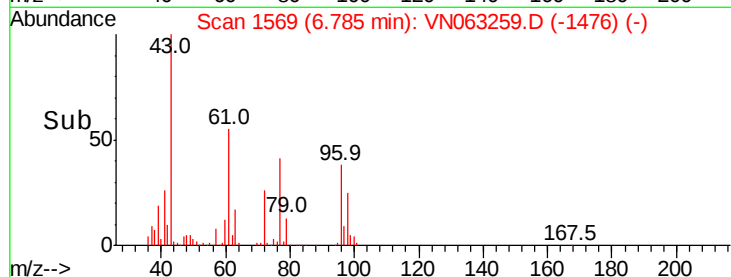
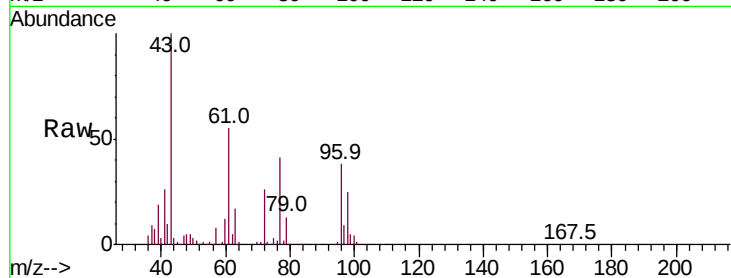
#25
2-Butanone
Concen: 268.314 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 605468
Ion Ratio Lower Upper
43 100
72 26.4 20.2 30.4

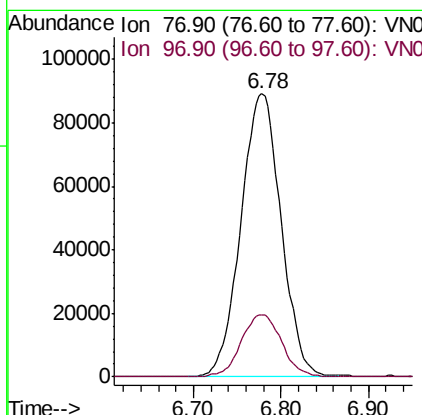
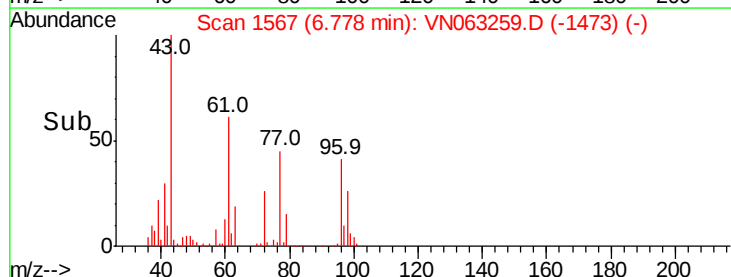
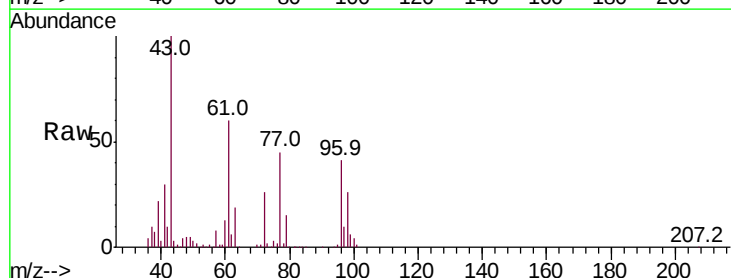
Manual Integrations
APPROVED

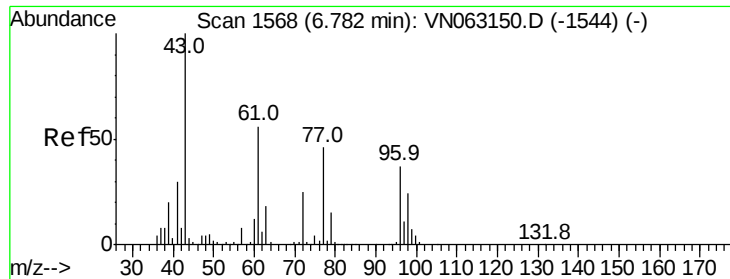
MMDadoda
9/8/2020 1:33:11 PM



#26
2,2-Dichloropropane
Concen: 41.556 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion: 77 Resp: 284234
Ion Ratio Lower Upper
77 100
97 22.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.514 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

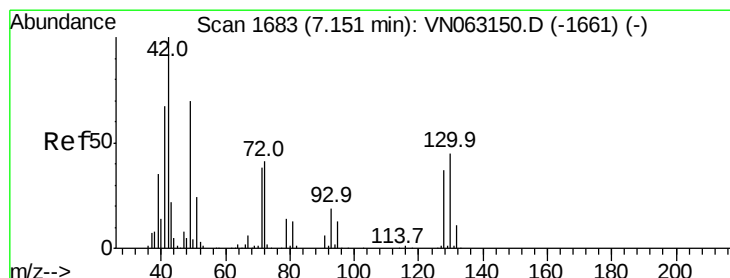
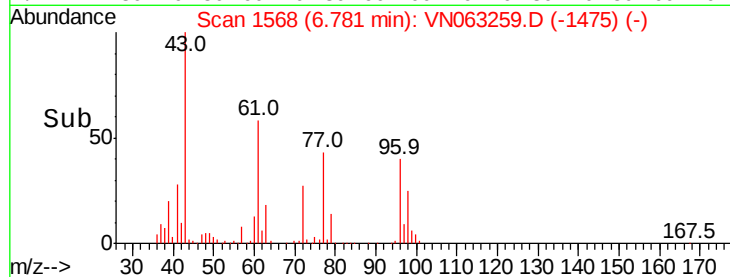
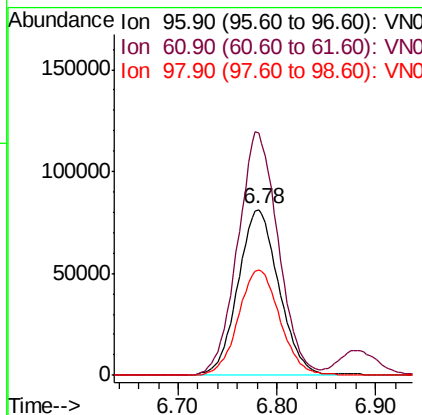
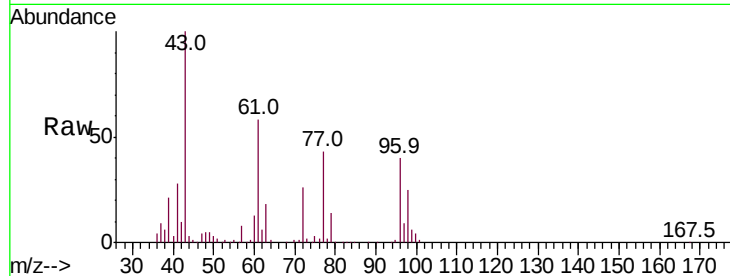
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	233405
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	303.2
98	64.9	0.0	129.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#28

Bromochloromethane

Concen: 47.083 ug/l

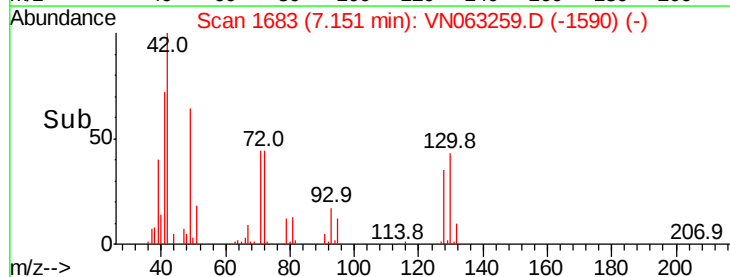
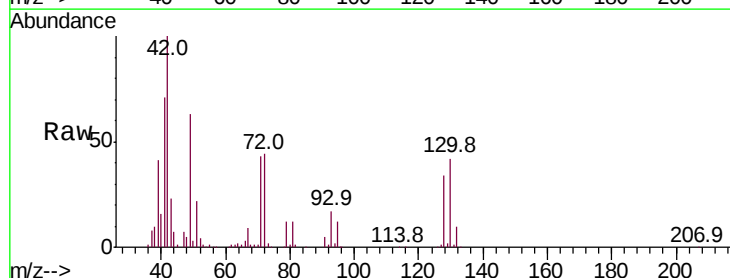
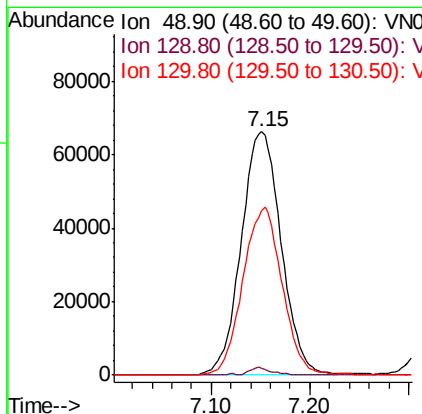
RT: 7.15 min Scan# 1683

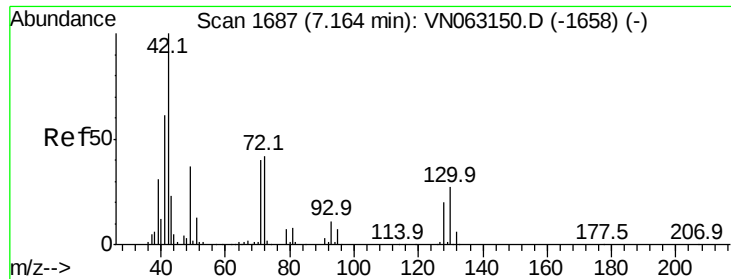
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	49	Resp:	185700
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	67.4	54.4	81.6





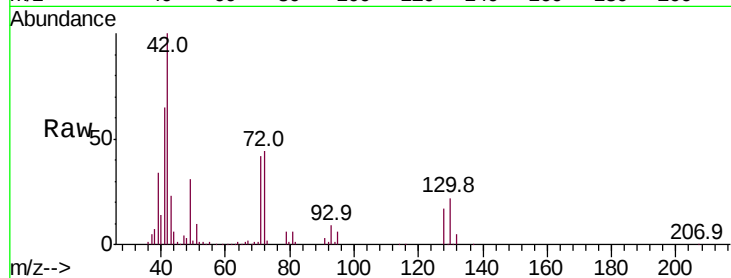
#29
Tetrahydrofuran
Concen: 261.861 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

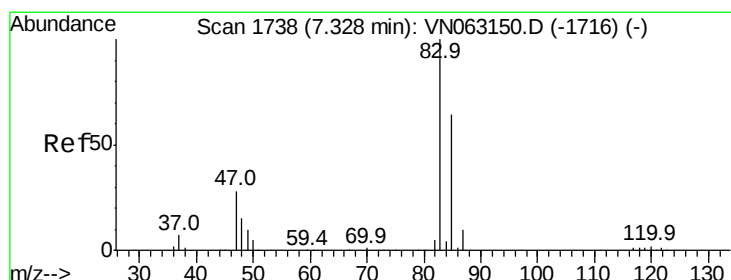
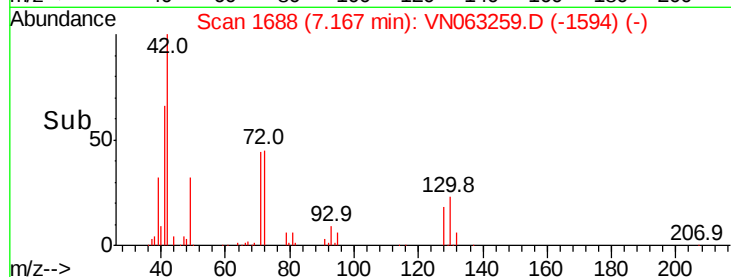
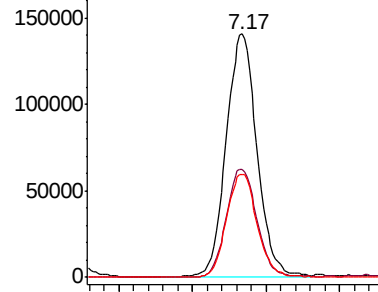
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.9	50.9
71	42.2	31.9	47.9

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM

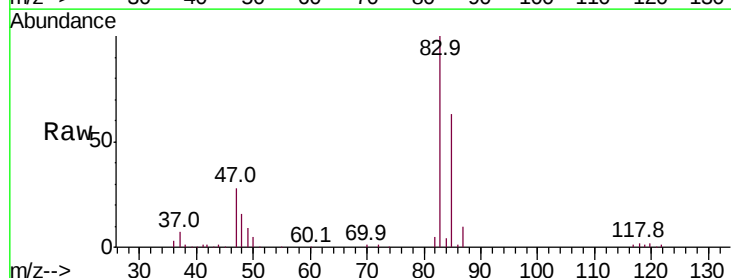


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

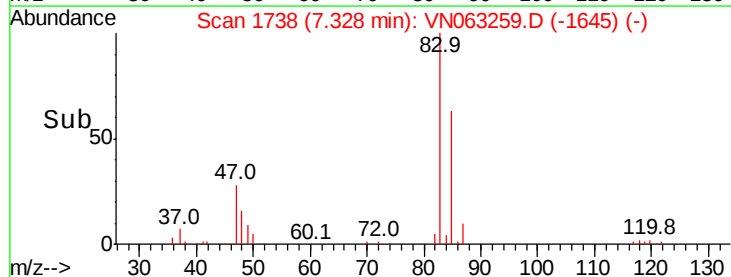
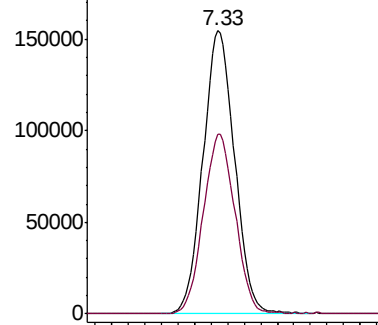


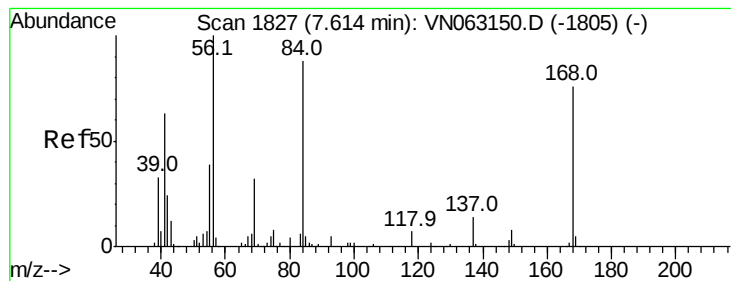
#30
Chloroform
Concen: 51.997 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	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: 42.722 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 285913

Ion Ratio Lower Upper

56 100

69 32.7 25.4 38.0

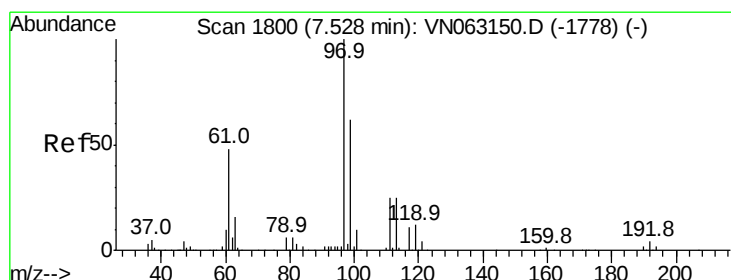
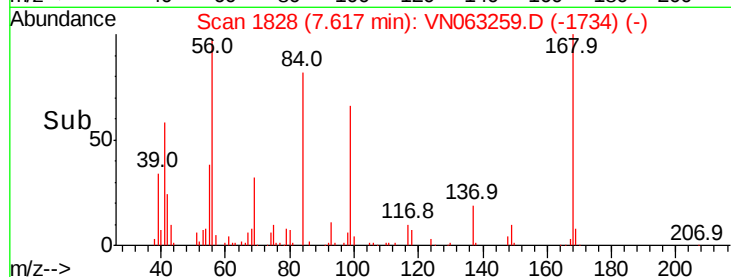
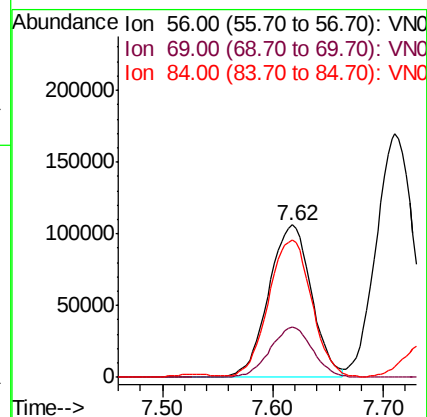
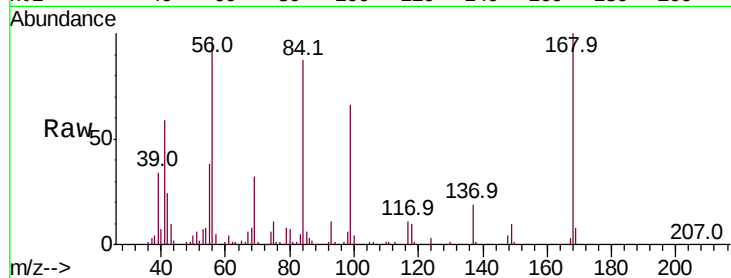
84 88.1 70.2 105.4

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#32

1,1,1-Trichloroethane

Concen: 51.658 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

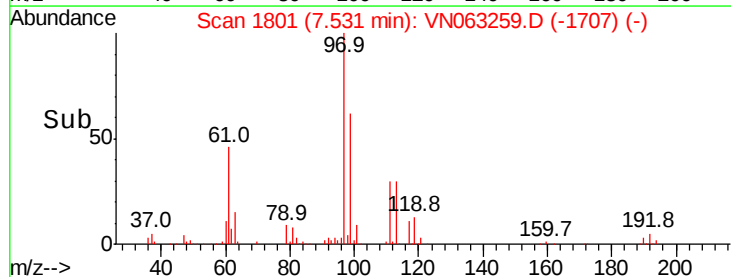
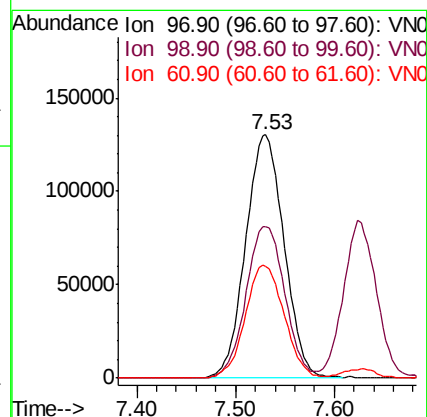
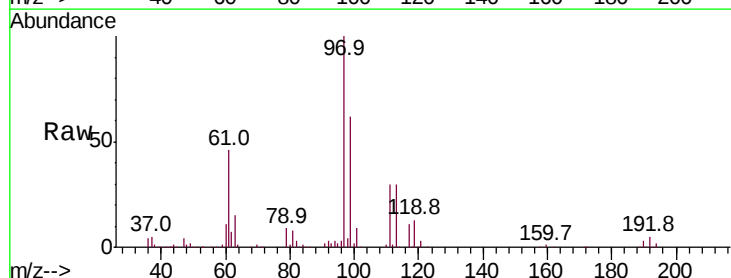
Tgt Ion: 97 Resp: 351580

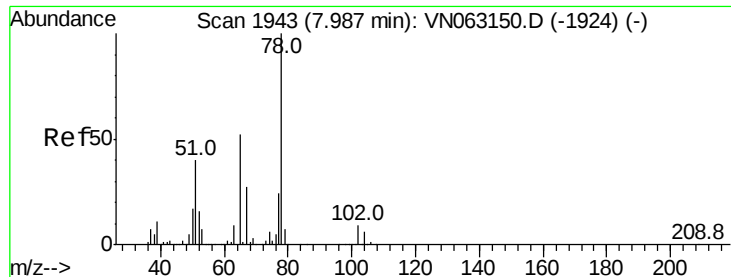
Ion Ratio Lower Upper

97 100

99 62.9 50.8 76.2

61 47.1 37.4 56.2





#33

1,2-Dichloroethane-d4

Concen: 50.378 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063259.D

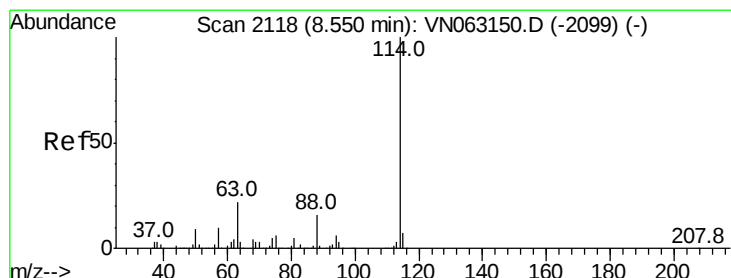
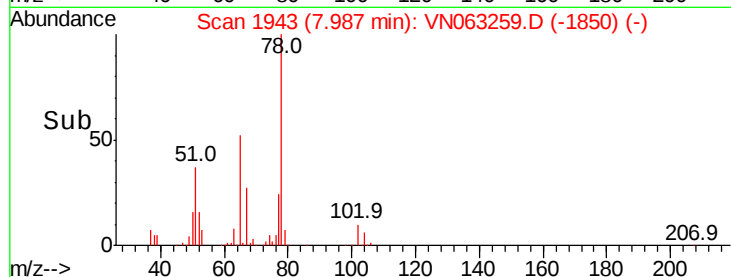
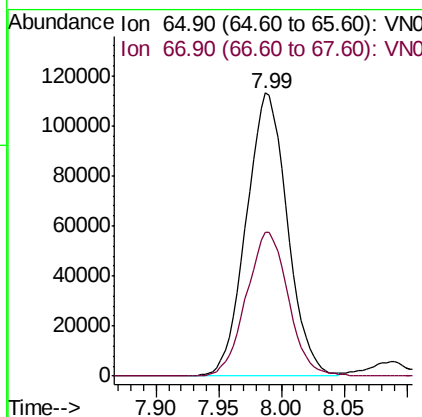
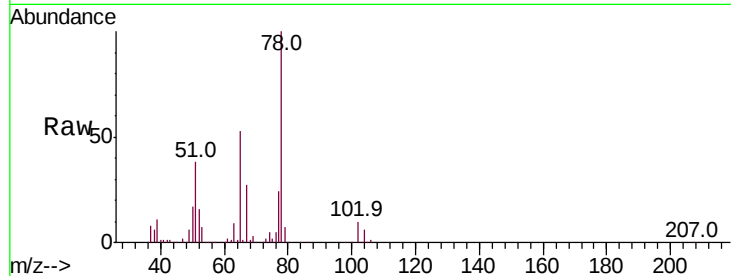
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	258270		
67	51.9	0.0	104.4	

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

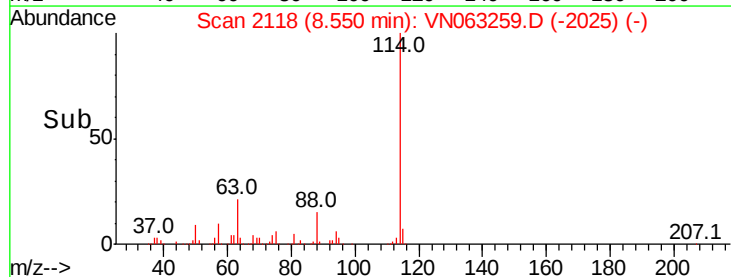
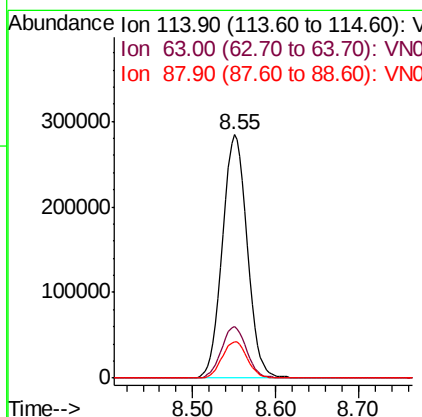
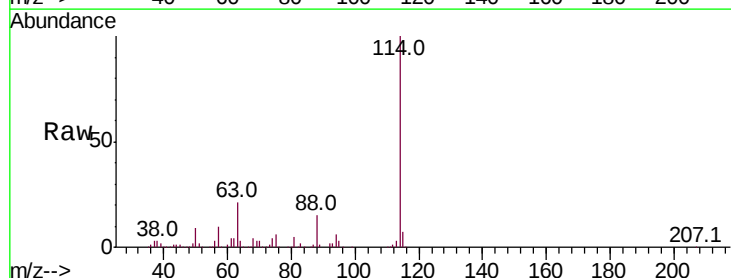
RT: 8.55 min Scan# 2118

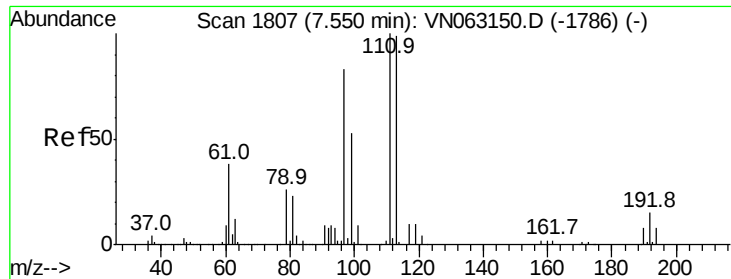
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	591787		
63	21.3	0.0	43.0	
88	14.8	0.0	31.6	





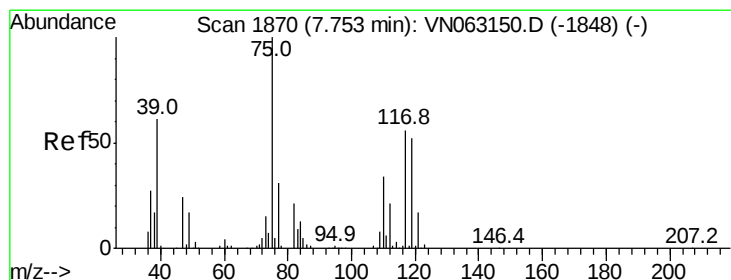
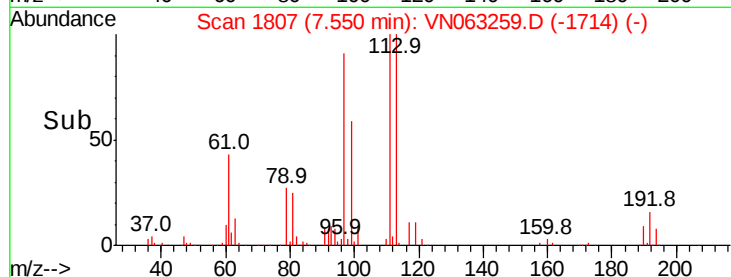
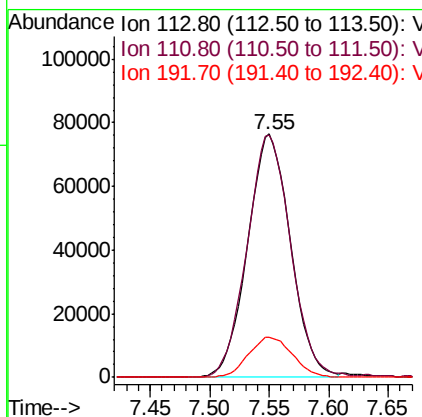
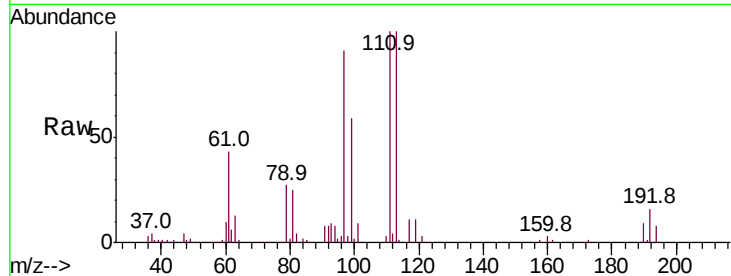
#35
Dibromofluoromethane
Concen: 50.249 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.7	121.1
192	17.0	12.6	19.0

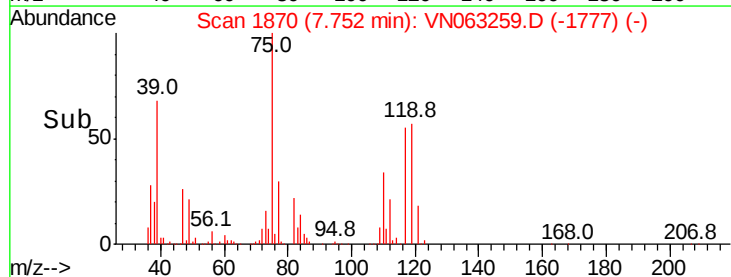
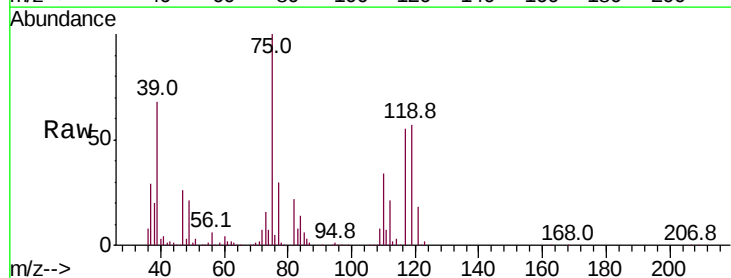
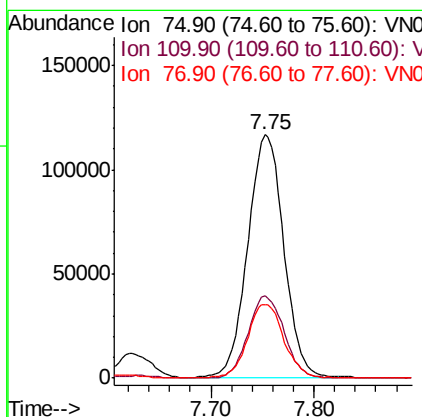
Manual Integrations
APPROVED

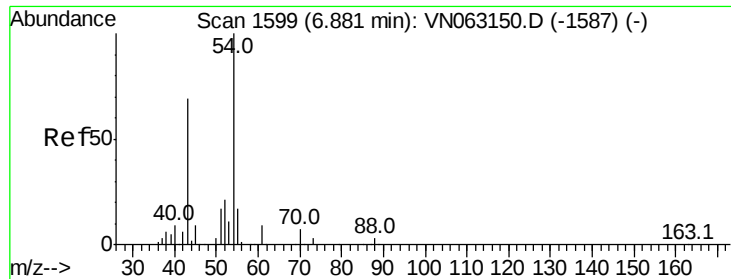
MMDadoda
9/8/2020 1:33:11 PM



#36
1,1-Dichloropropene
Concen: 49.789 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.6	49.8
77	30.0	25.4	38.2





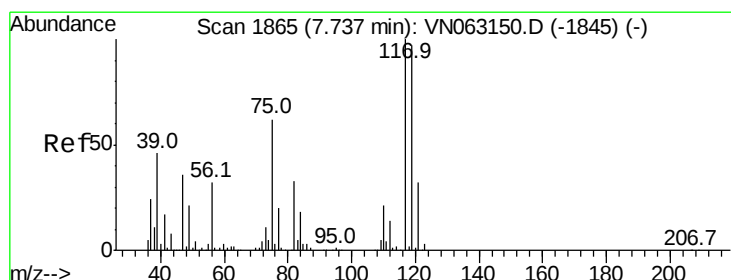
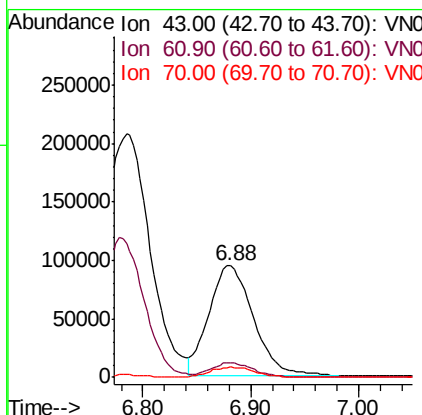
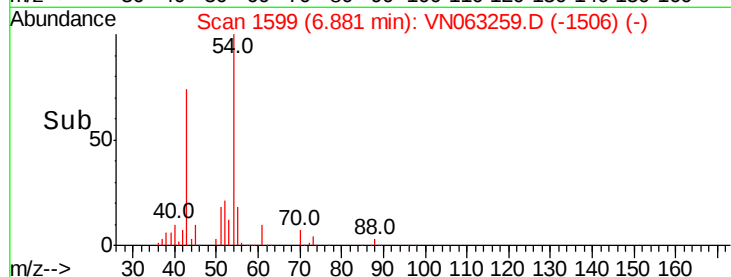
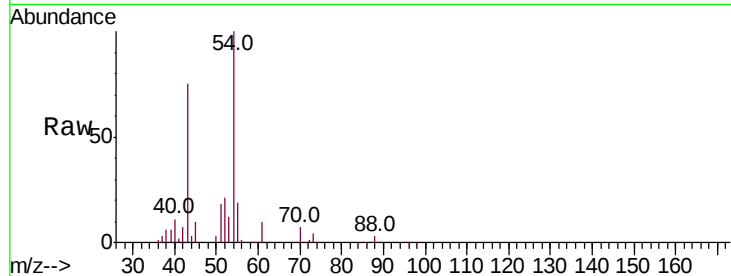
#37
Ethyl Acetate
Concen: 50.433 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.4
70	8.8	3.0	4.6

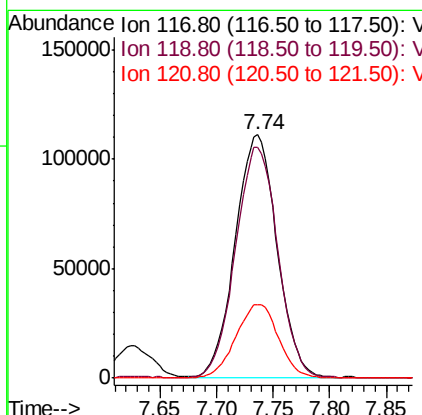
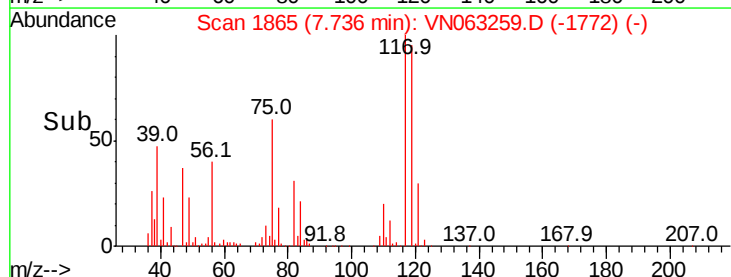
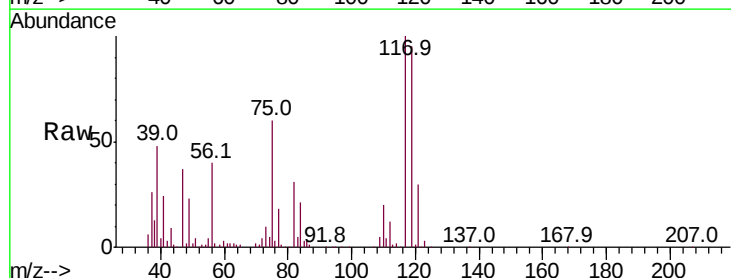
Manual Integrations
APPROVED

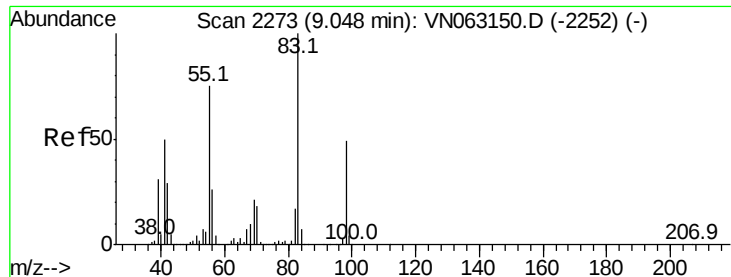
MMDadoda
9/8/2020 1:33:11 PM



#38
Carbon Tetrachloride
Concen: 49.442 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.2	115.8
121	30.4	25.6	38.4





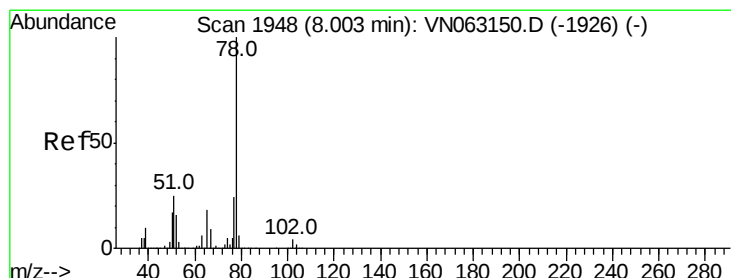
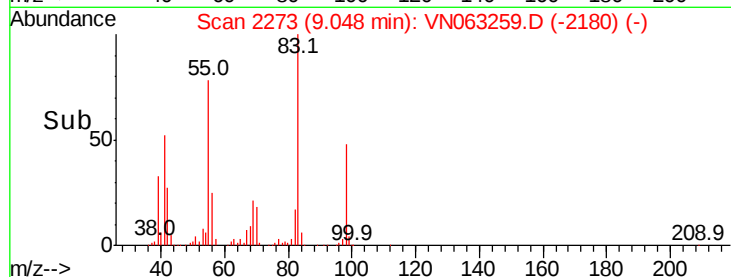
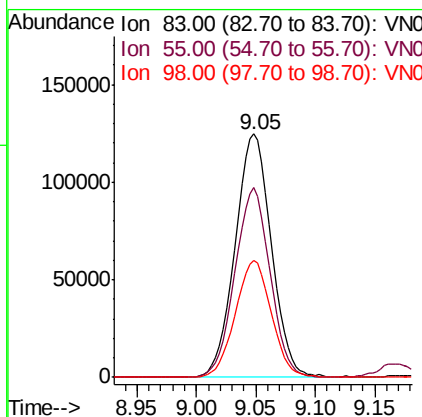
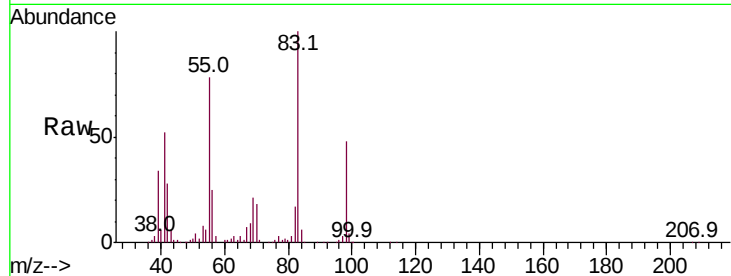
#39
Methvlcvclohexane
Concen: 41.258 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.3	90.5
98	48.1	38.9	58.3

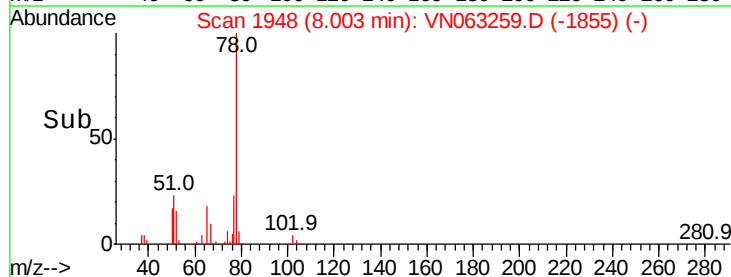
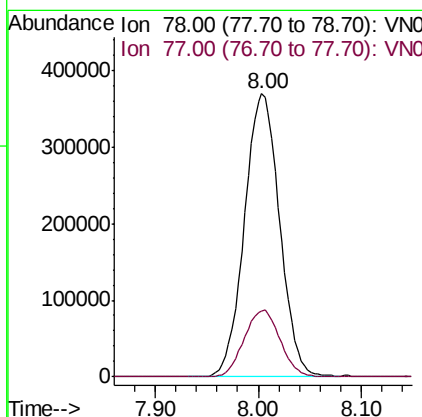
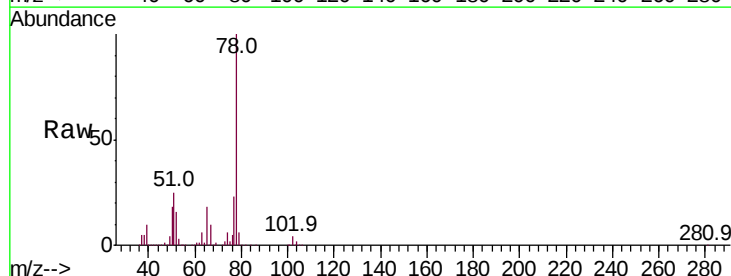
Manual Integrations
APPROVED

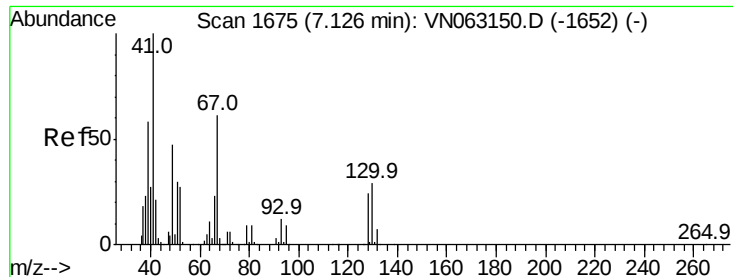
MMDadoda
9/8/2020 1:33:11 PM



#40
Benzene
Concen: 52.299 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9





#41

Methacrylonitrile

Concen: 54.139 ug/l

RT: 7.13 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 129756

Ion Ratio Lower Upper

41 100

39 63.5 46.6 70.0

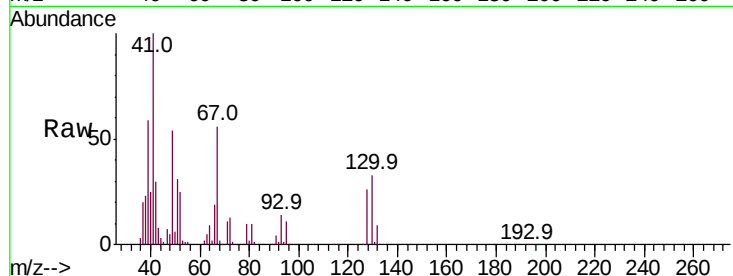
67 80.0 62.6 94.0

52 35.5 28.0 42.0

Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:33:11 PM

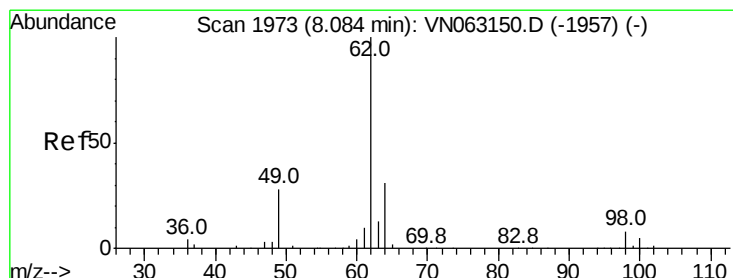
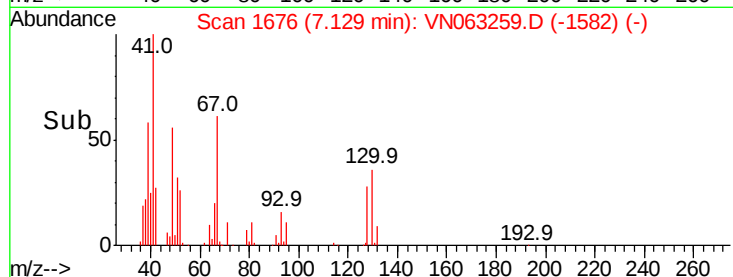
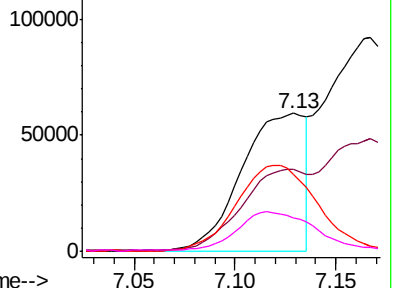


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 53.906 ug/l

RT: 8.09 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN063259.D

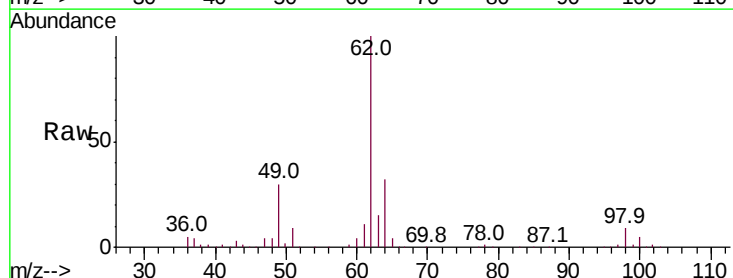
Acq: 4 Sep 2020 19:48

Tgt Ion: 62 Resp: 336643

Ion Ratio Lower Upper

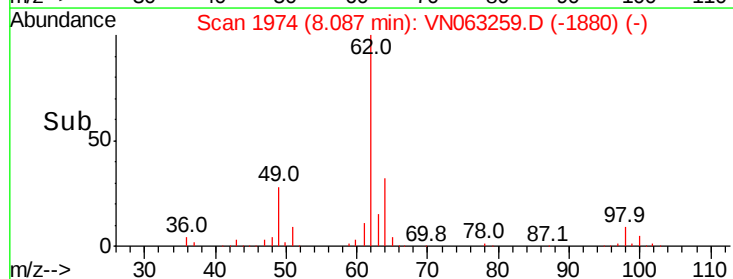
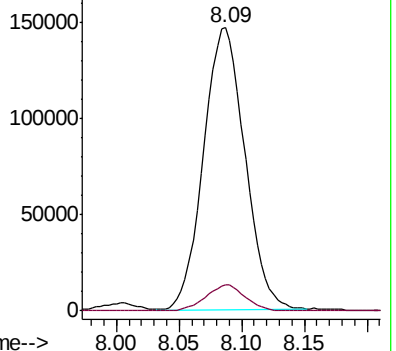
62 100

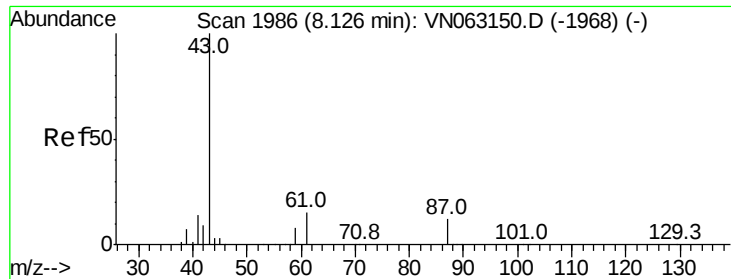
98 8.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.078 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

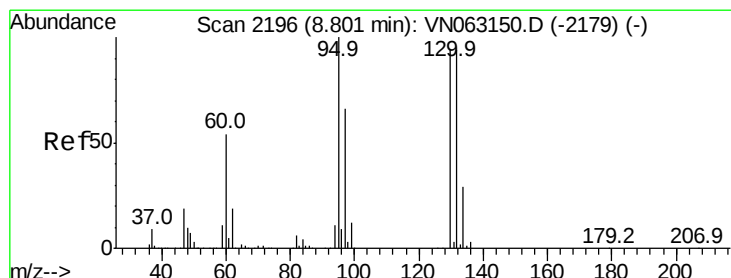
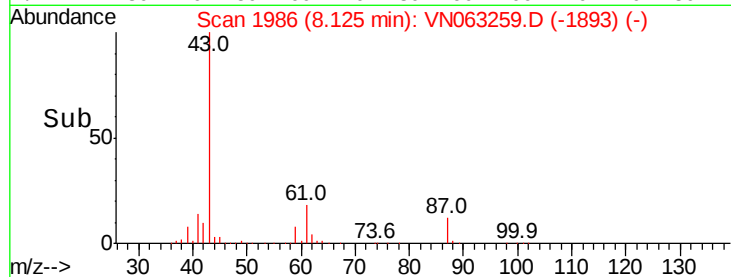
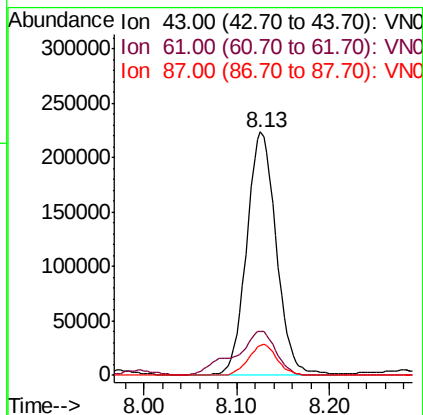
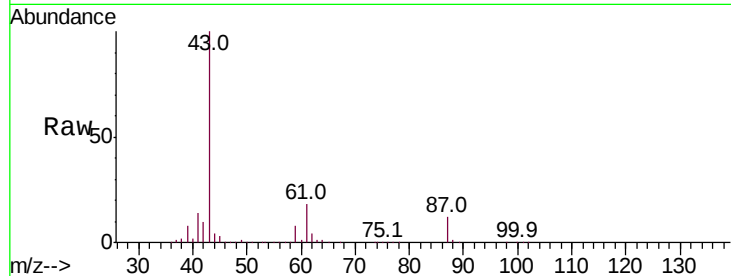
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	492466
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.2	30.4
87	12.3	9.8	14.6

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#44

Trichloroethene

Concen: 54.216 ug/l

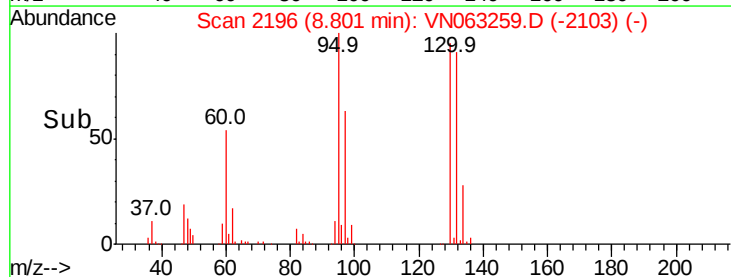
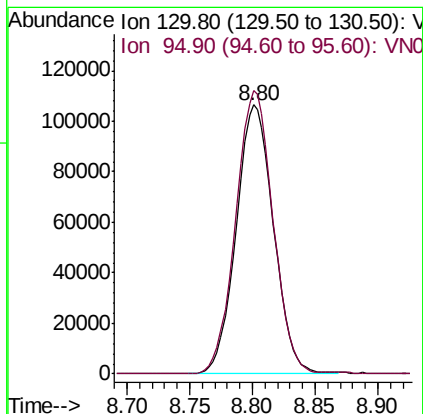
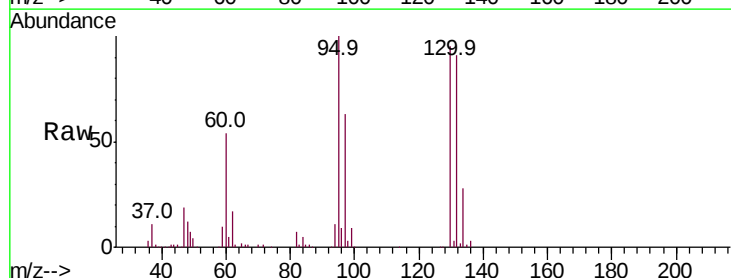
RT: 8.80 min Scan# 2196

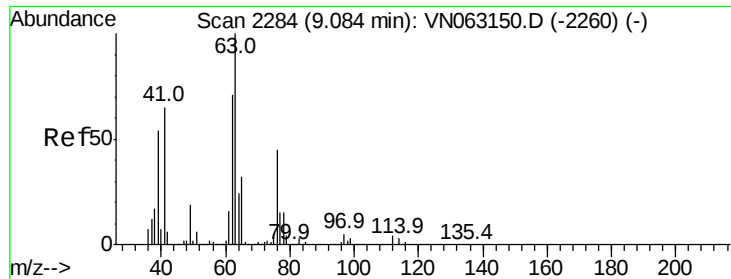
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	130	Resp:	219854
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	212.0





#45

1,2-Dichloropropane

Concen: 51.472 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 227838

Ion Ratio Lower Upper

63 100

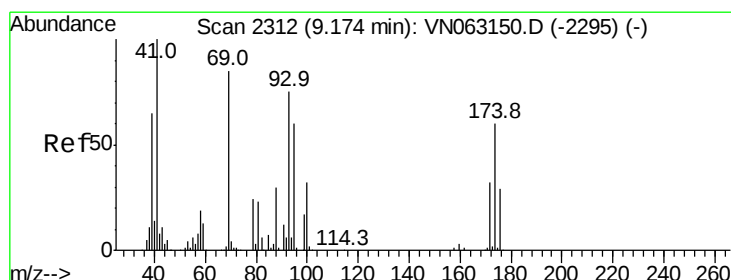
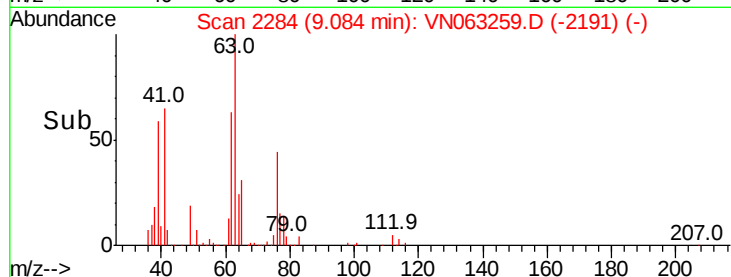
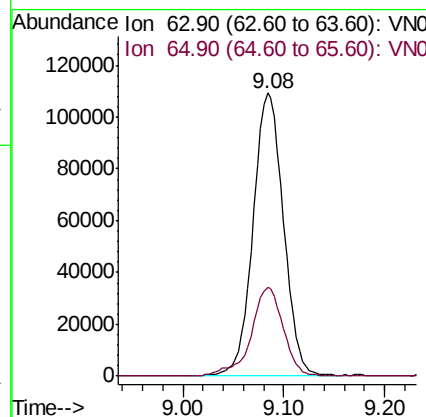
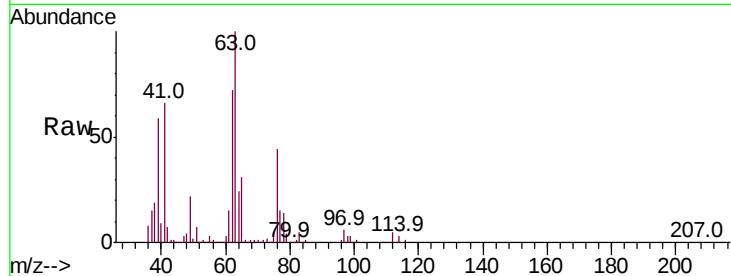
65 31.3 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#46

Dibromomethane

Concen: 55.458 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

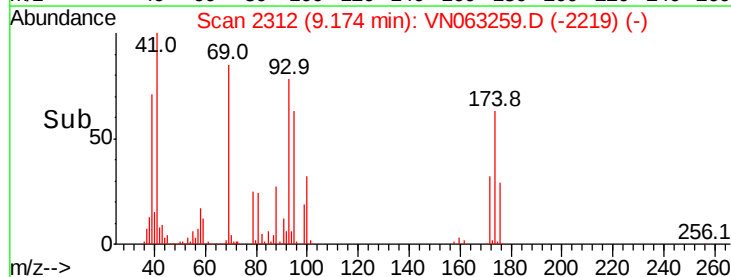
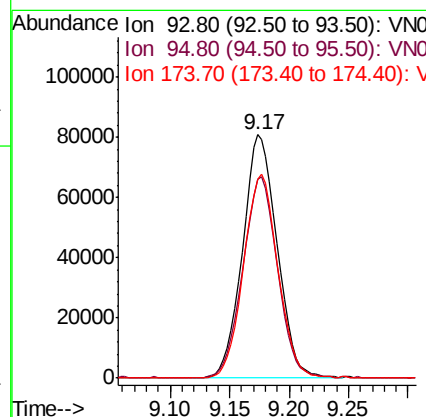
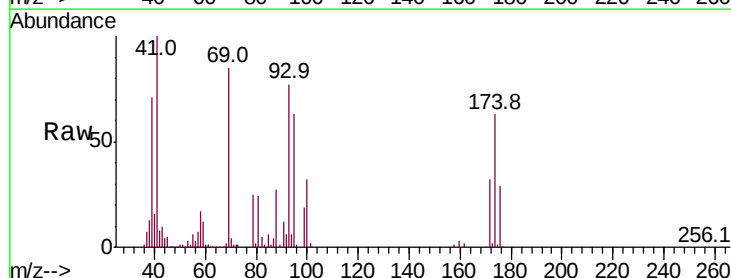
Tgt Ion: 93 Resp: 162680

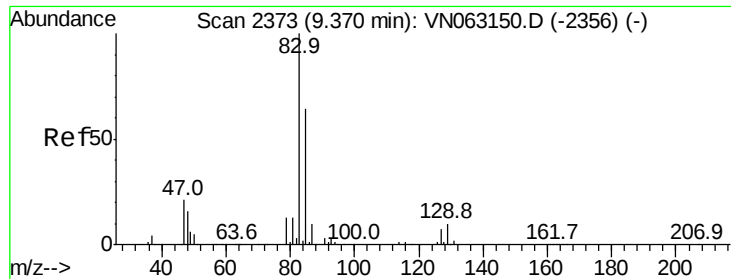
Ion Ratio Lower Upper

93 100

95 83.2 65.2 97.8

174 83.1 64.6 97.0





#47

Bromodichloromethane

Concen: 53.401 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

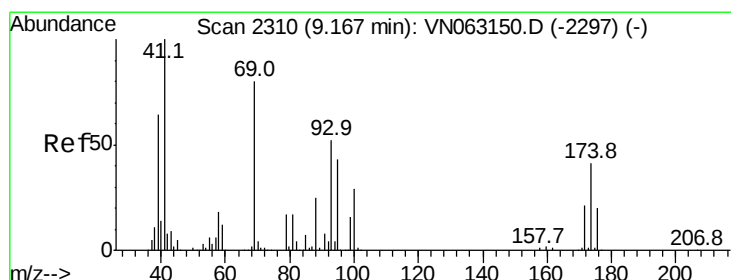
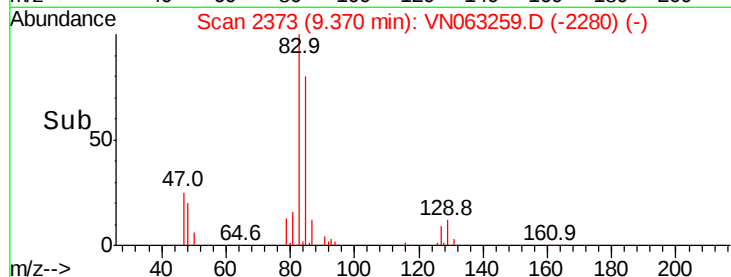
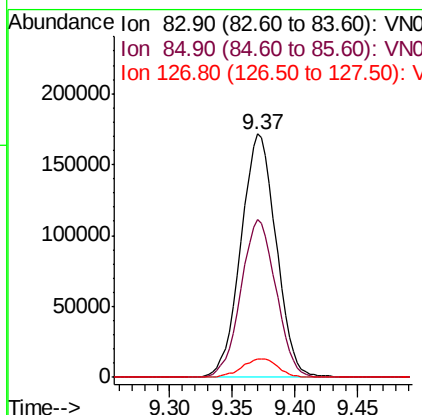
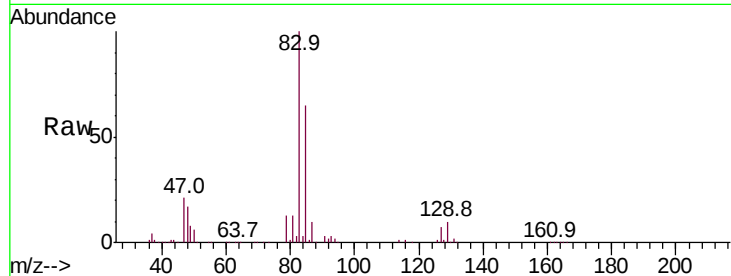
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	335766
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.0	76.6
127	7.4	5.7	8.5

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#48

Methyl methacrylate

Concen: 55.619 ug/l

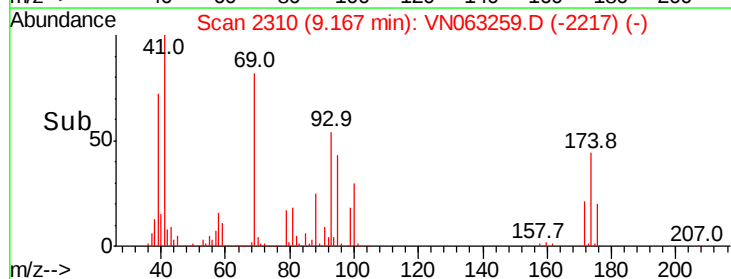
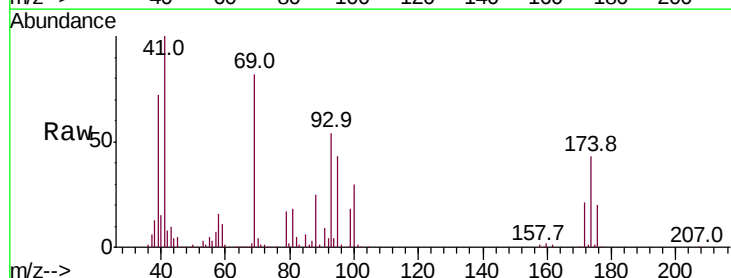
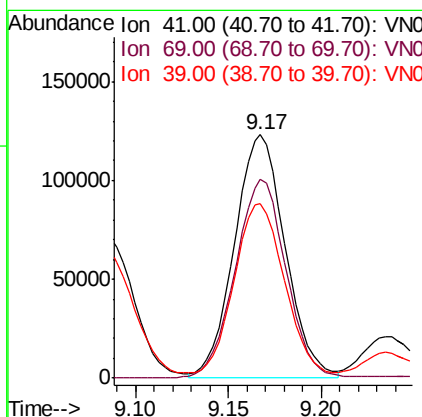
RT: 9.17 min Scan# 2310

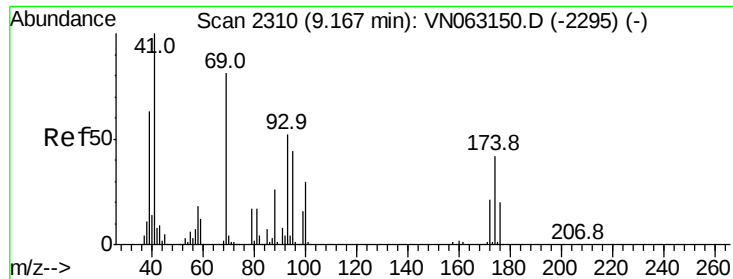
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	41	Resp:	232631
Ion Ratio	Lower	Upper	
41	100		
69	82.4	65.9	98.9
39	72.0	52.0	78.0





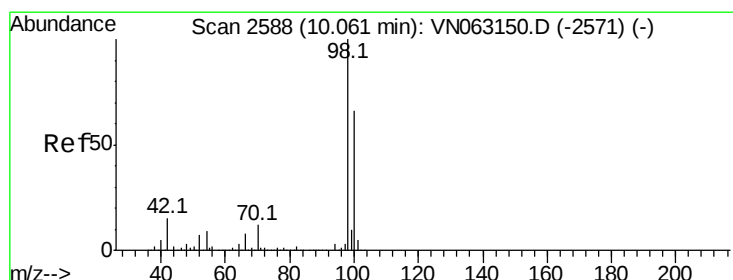
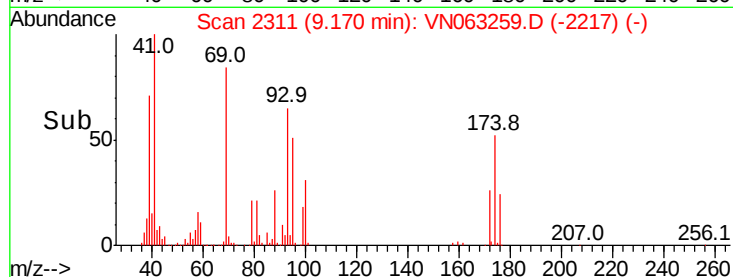
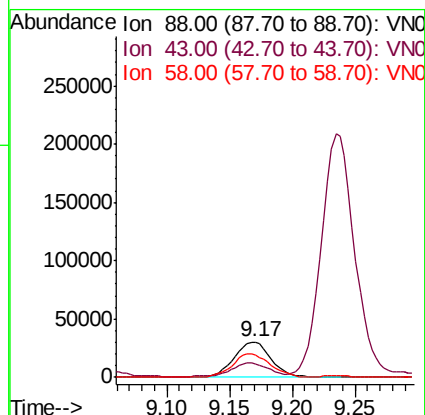
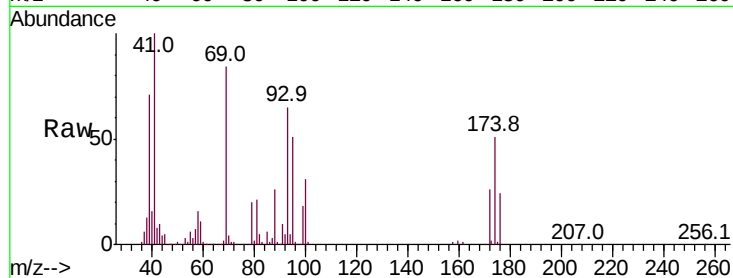
#49
1,4-Dioxane
Concen: 970.544 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	62787
Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.6	42.8
58	66.8	53.2	79.8

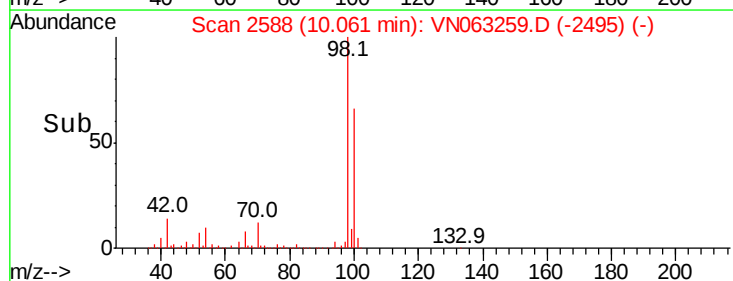
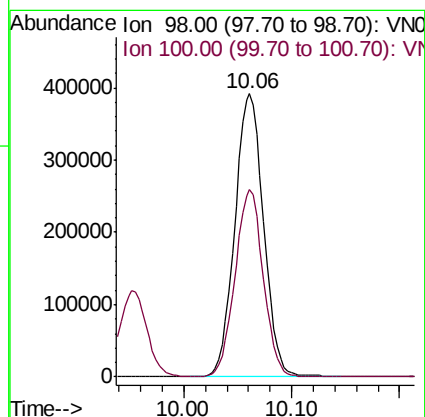
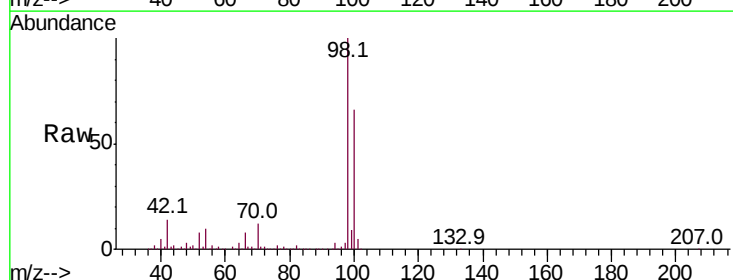
Manual Integrations
APPROVED

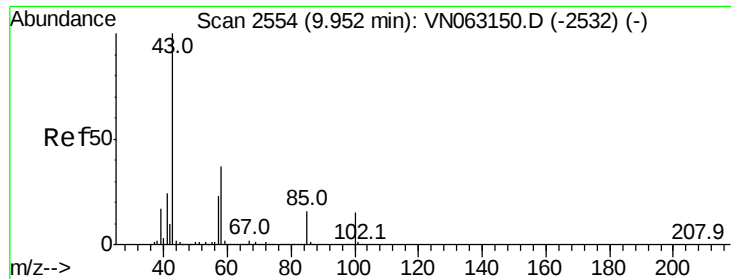
MMDadoda
9/8/2020 1:33:11 PM



#50
Toluene-d8
Concen: 49.722 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	98	Resp	726598
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 289.358 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1458889

Ion Ratio Lower Upper

43 100

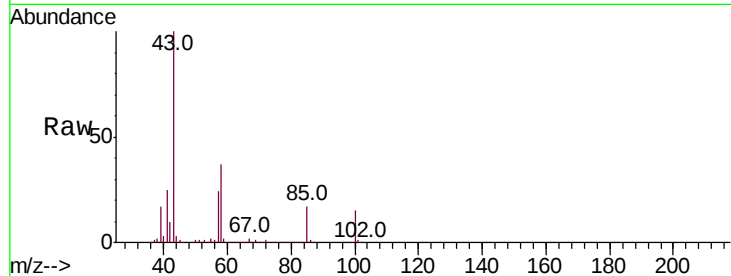
58 36.9 29.2 43.8

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



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

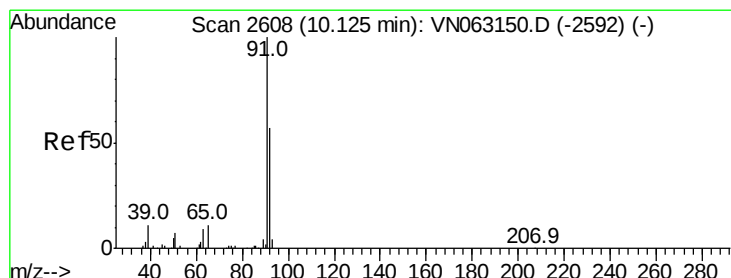
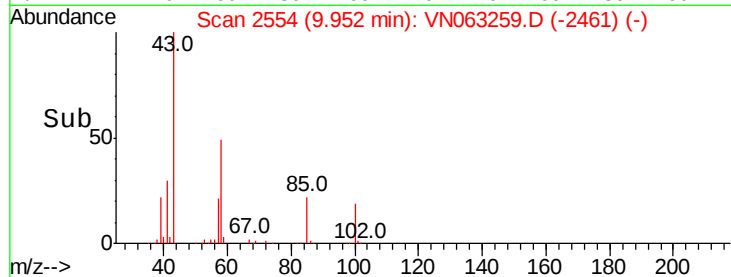
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 54.154 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN063259.D

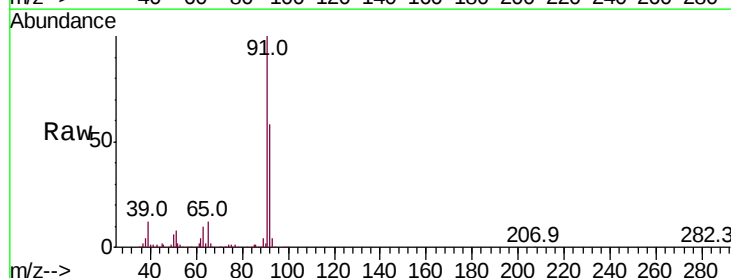
Acq: 4 Sep 2020 19:48

Tgt Ion: 92 Resp: 563984

Ion Ratio Lower Upper

92 100

91 173.0 141.2 211.8



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

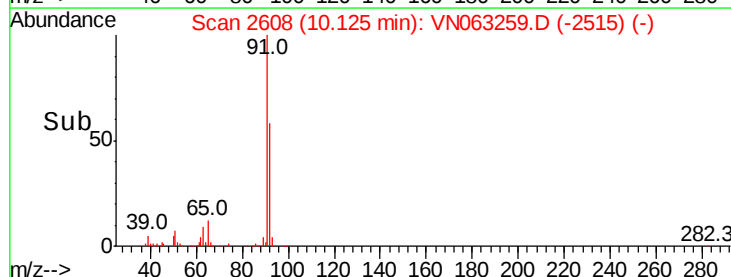
200000

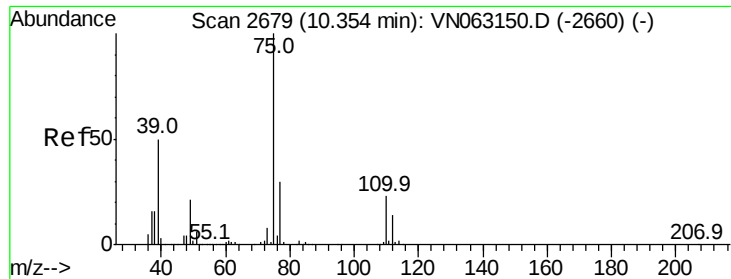
100000

0

10.10 10.13 10.20

Time-->





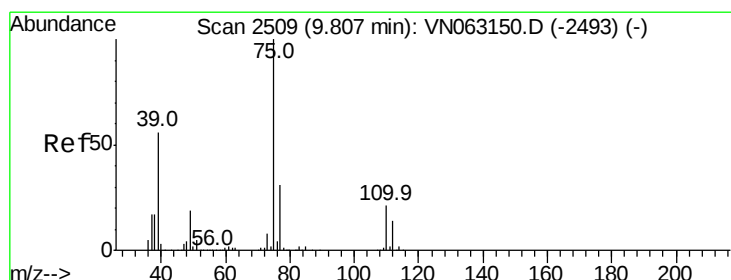
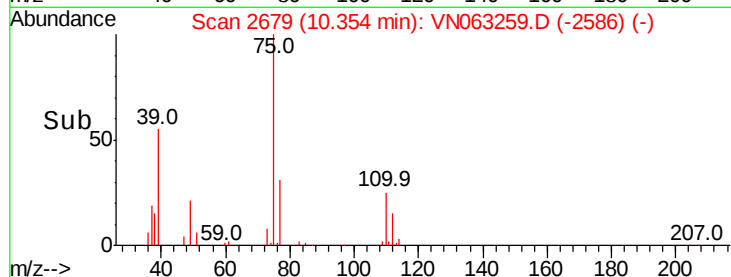
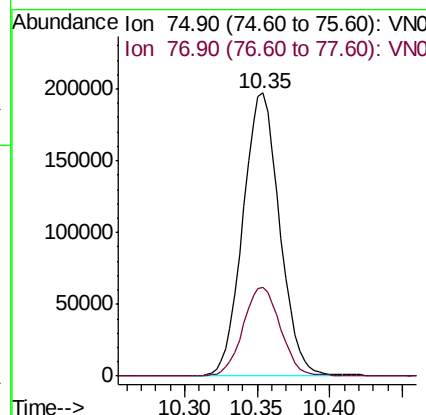
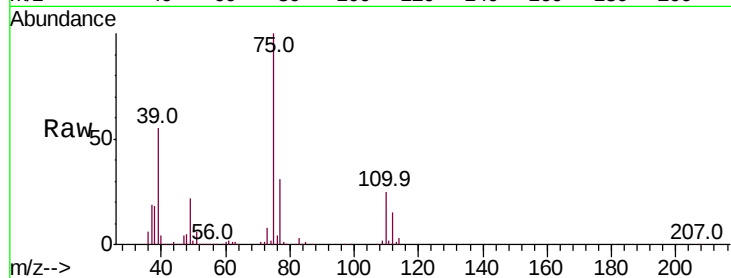
#53
t-1,3-Dichloropropene
Concen: 50.588 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 347928
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2

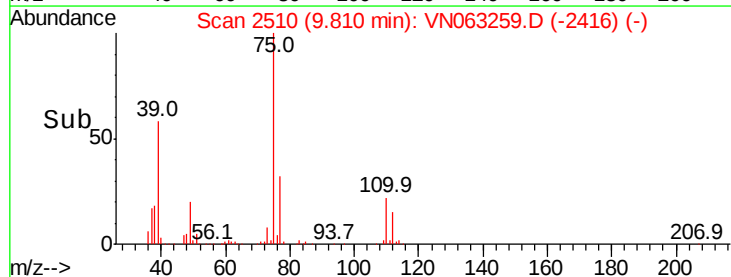
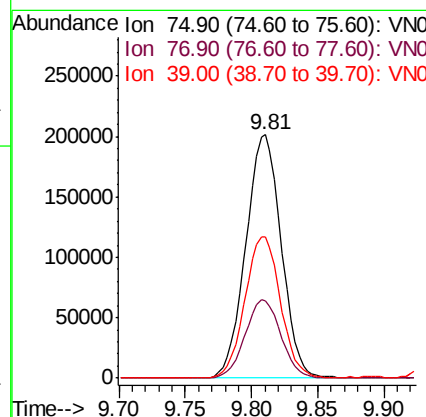
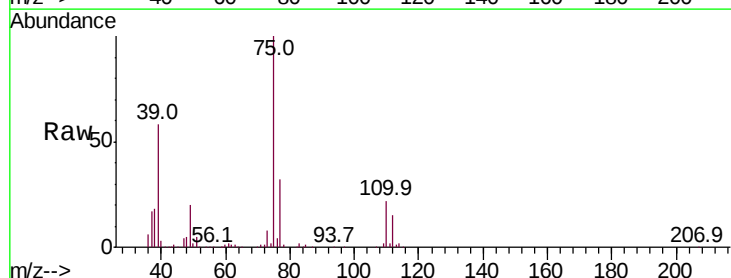
Manual Integrations
APPROVED

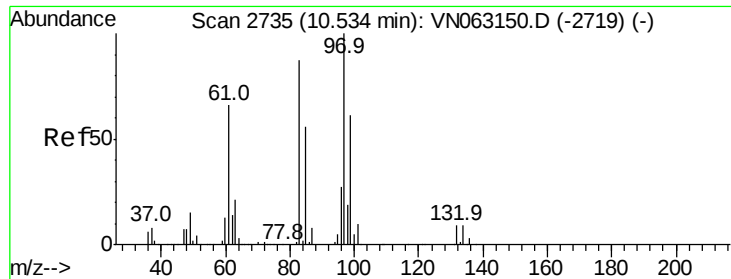
MMDadoda
9/8/2020 1:33:11 PM



#54
cis-1,3-Dichloropropene
Concen: 51.896 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion: 75 Resp: 374660
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2
39 57.5 45.0 67.6





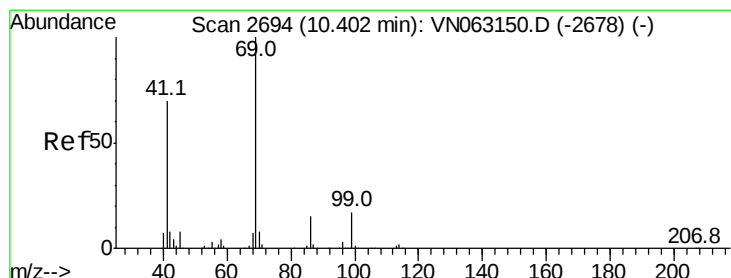
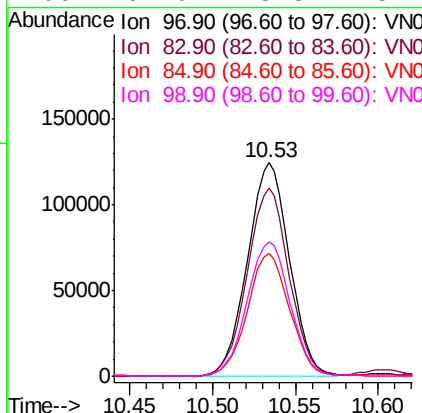
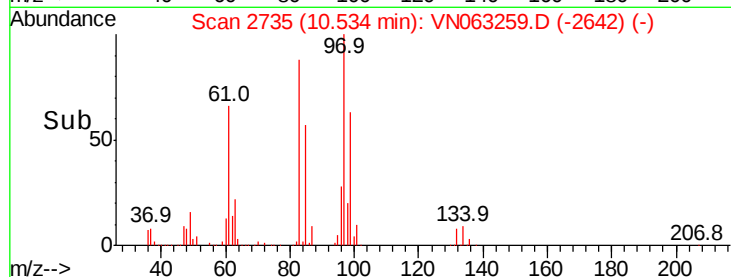
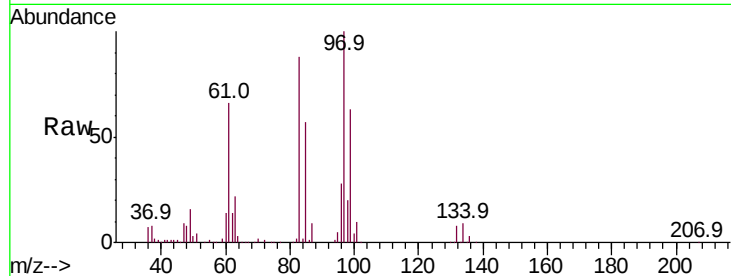
#55
 1,1,2-Trichloroethane
 Concen: 54.907 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	218990
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.8	104.8
85	57.2	44.9	67.3
99	62.9	48.8	73.2

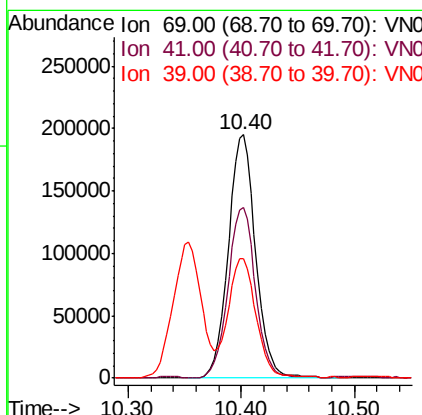
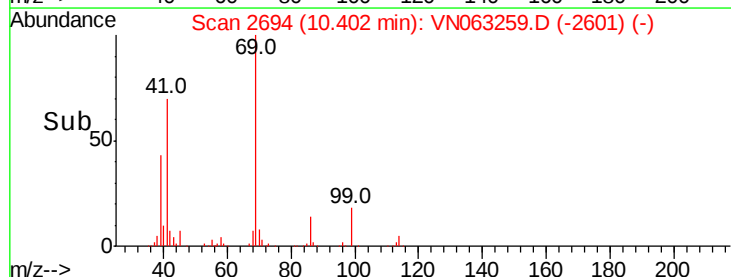
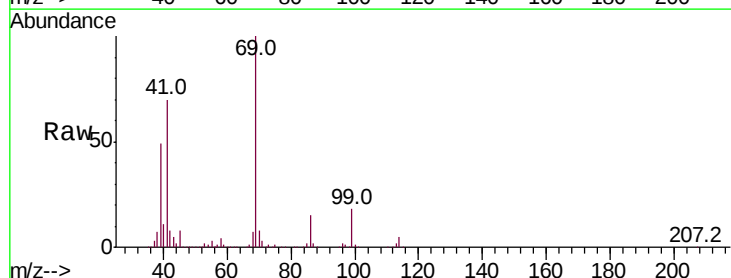
Manual Integrations
 APPROVED

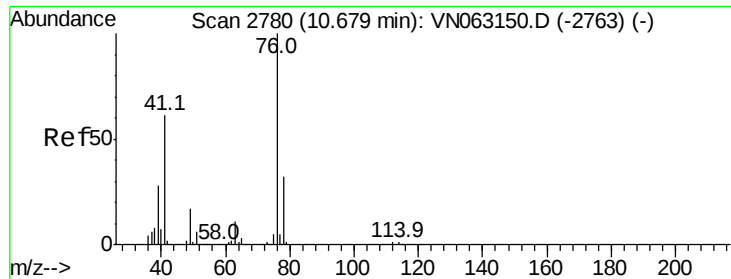
MMDadoda
 9/8/2020 1:33:11 PM



#56
 Ethyl methacrylate
 Concen: 53.781 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Tgt Ion	69	Resp	326436
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.5	83.3
39	50.1	38.2	57.2





#57

1,3-Dichloropropane

Concen: 54.295 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 385784

Ion Ratio Lower Upper

76 100

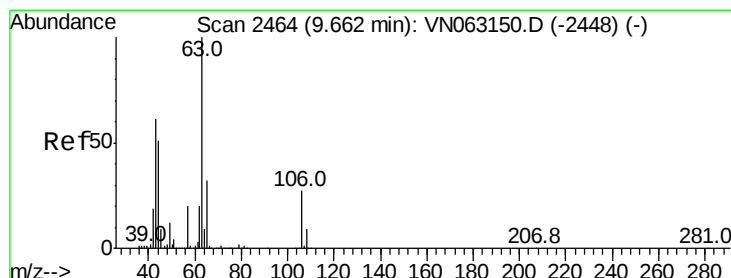
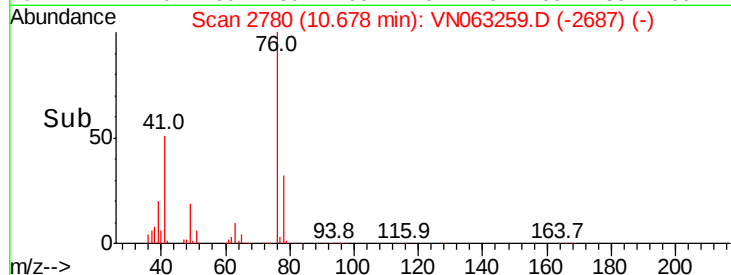
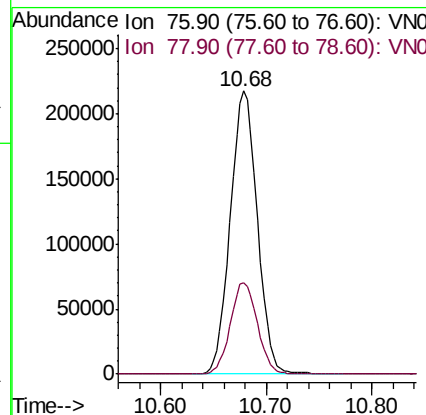
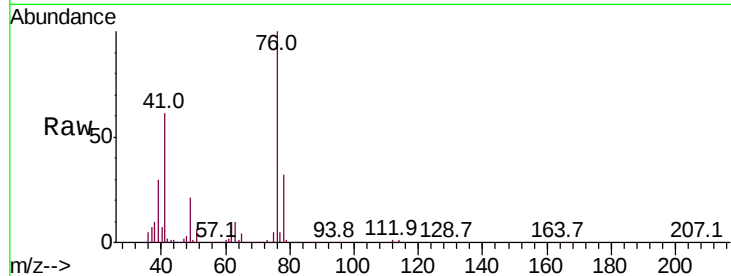
78 32.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#58

2-Chloroethyl Vinyl ether

Concen: 253.540 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063259.D

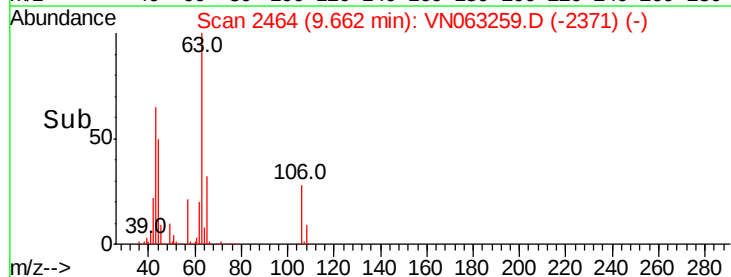
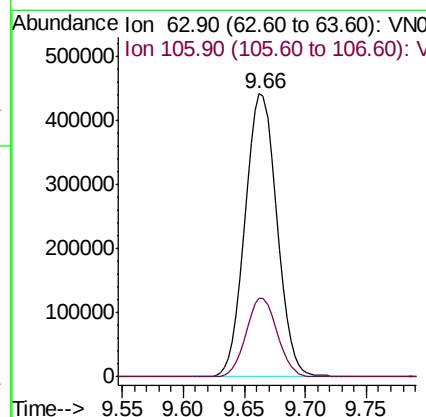
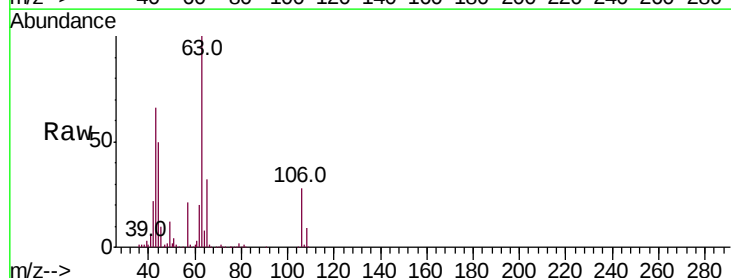
Acq: 4 Sep 2020 19:48

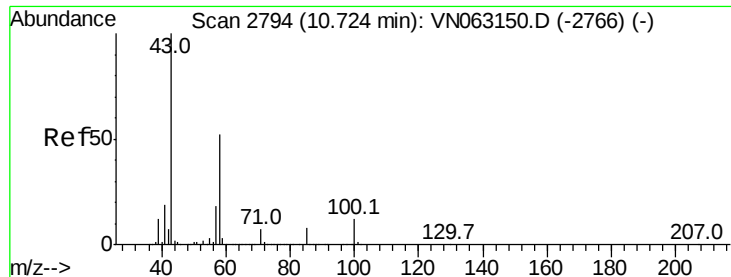
Tgt Ion: 63 Resp: 796914

Ion Ratio Lower Upper

63 100

106 27.2 21.8 32.6





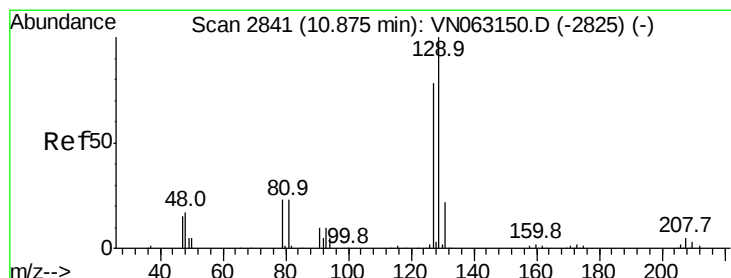
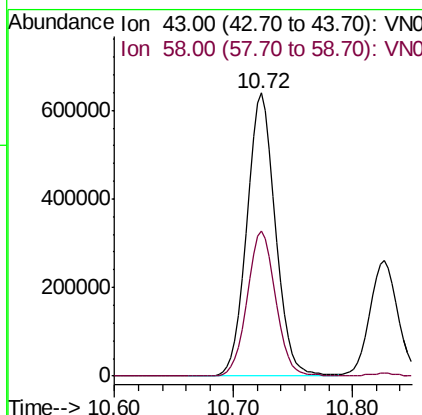
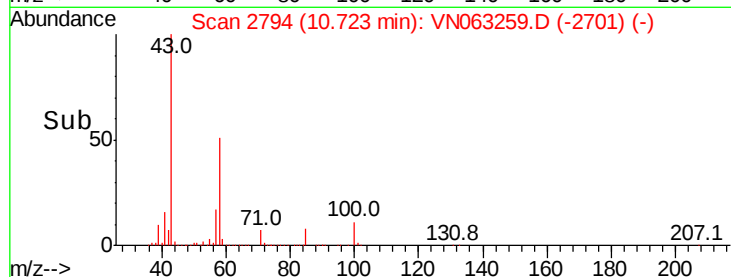
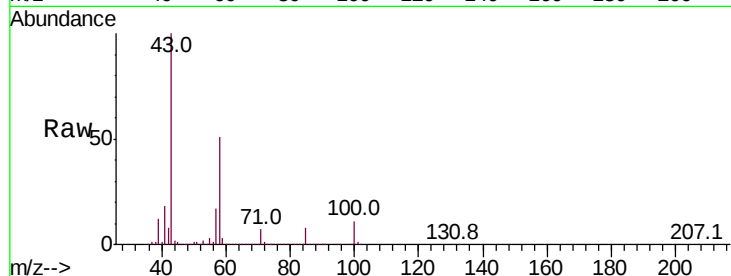
#59
2-Hexanone
Concen: 298.878 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1059017
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.8

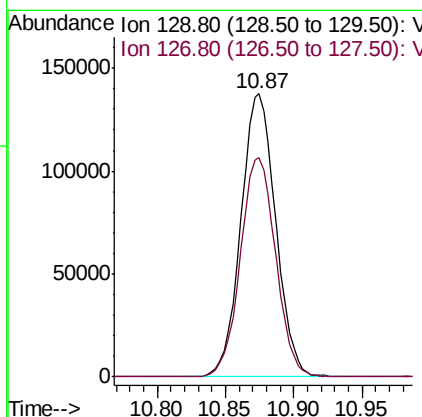
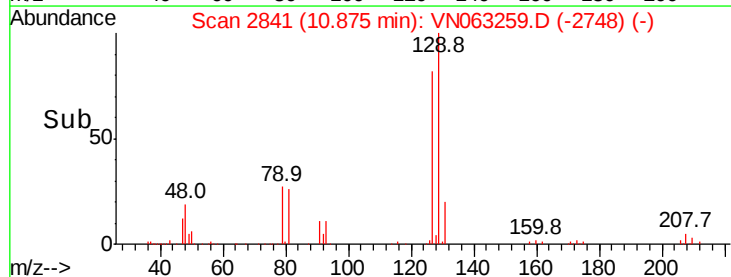
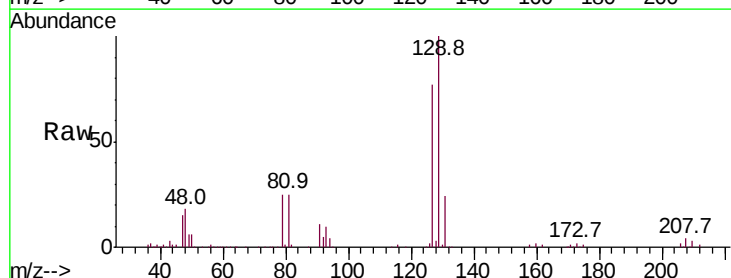
Manual Integrations
APPROVED

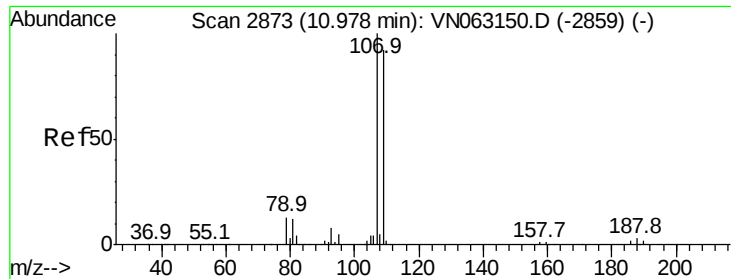
MMDadoda
9/8/2020 1:33:11 PM



#60
Dibromochloromethane
Concen: 55.285 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion: 129 Resp: 243778
Ion Ratio Lower Upper
129 100
127 78.6 39.0 117.0





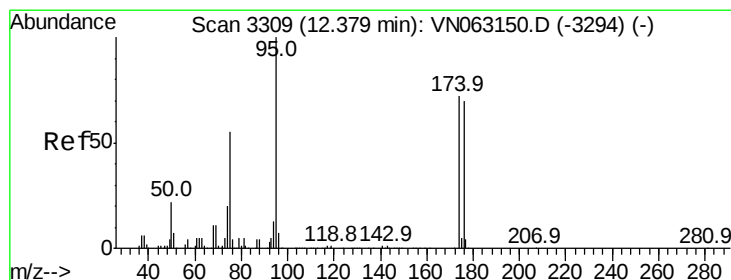
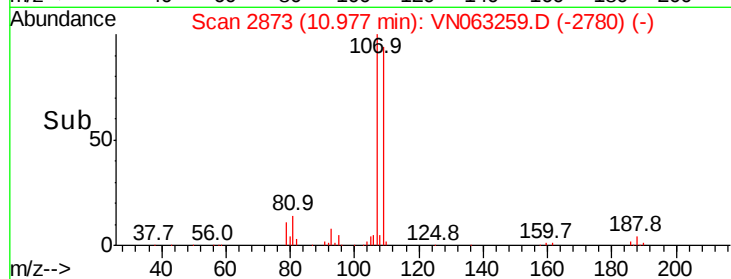
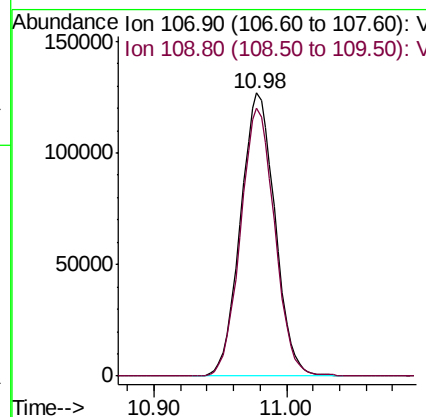
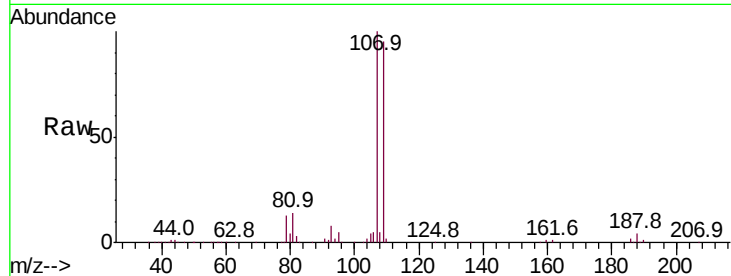
#61
 1,2-Dibromoethane
 Concen: 55.323 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.4	110.0

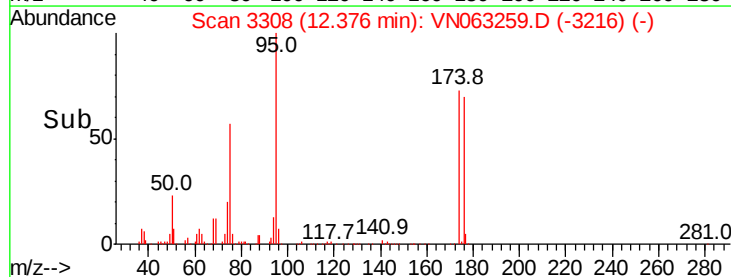
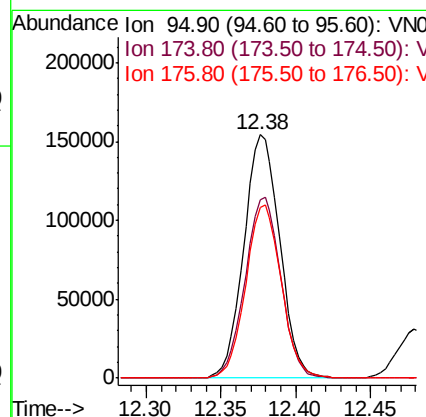
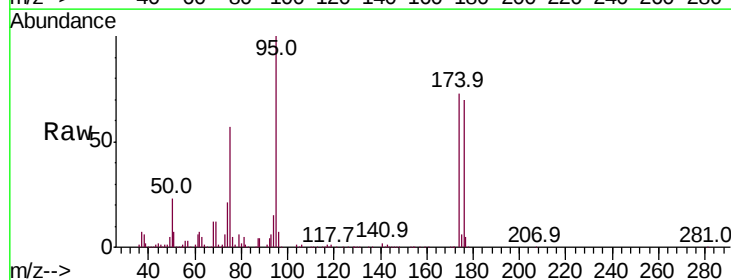
Manual Integrations
 APPROVED

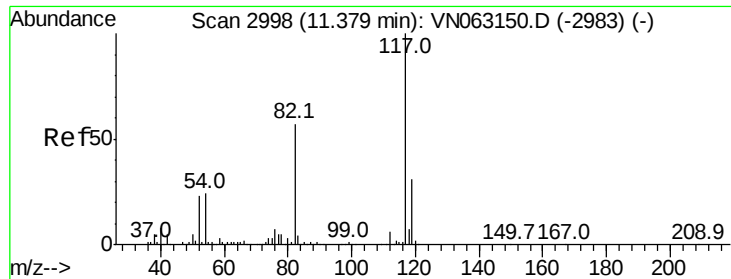
MMDadoda
 9/8/2020 1:33:11 PM



#62
 4-Bromofluorobenzene
 Concen: 50.520 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	143.8
176	70.4	0.0	138.4





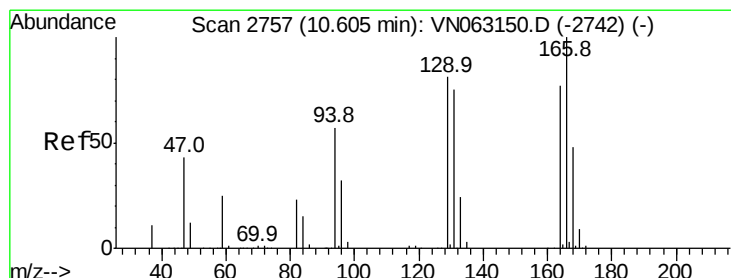
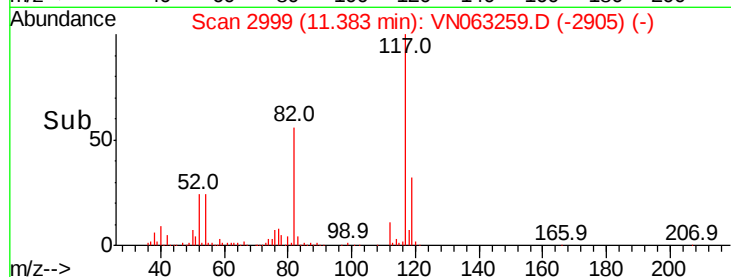
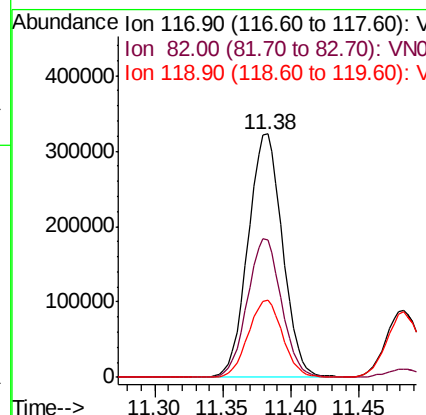
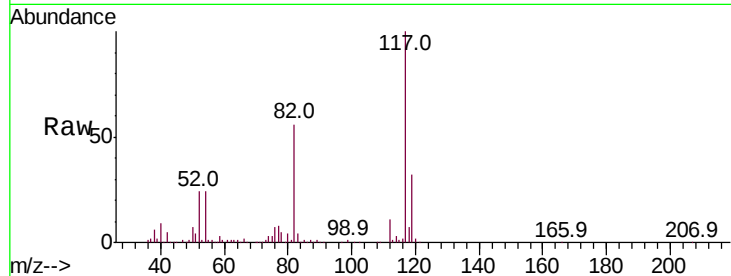
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	565985		
82	56.4		45.4	68.0
119	31.6		24.6	37.0

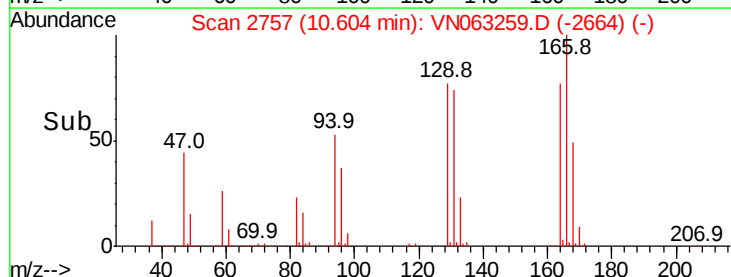
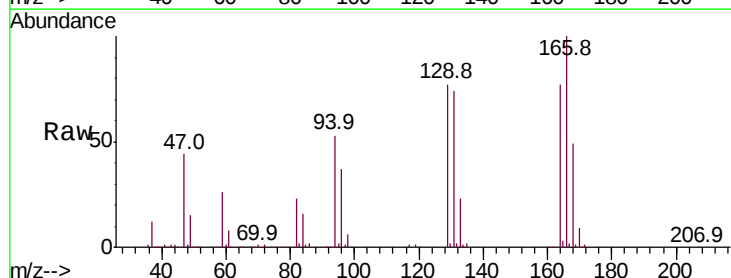
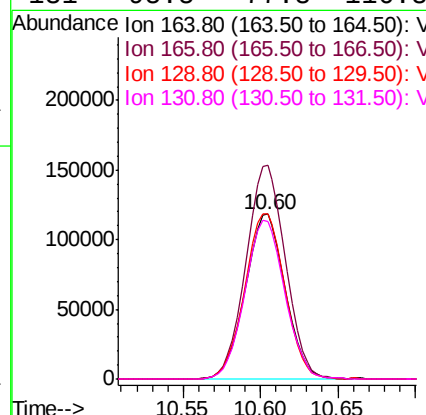
Manual Integrations
APPROVED

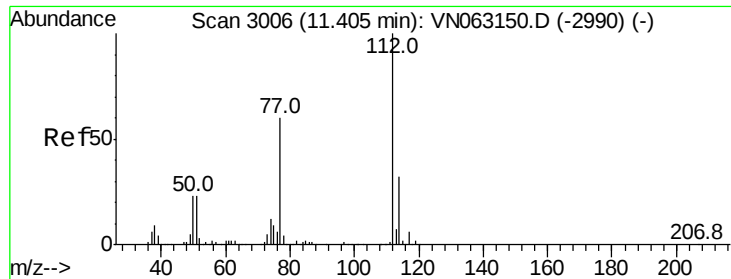
MMDadoda
9/8/2020 1:33:11 PM



#64
Tetrachloroethene
Concen: 52.060 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	211588		
166	129.5		103.4	155.2
129	99.9		83.4	125.0
131	95.5		77.8	116.8





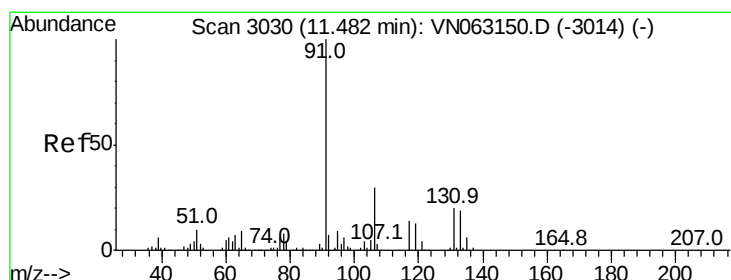
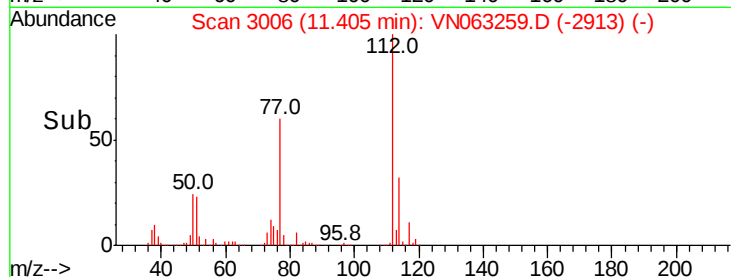
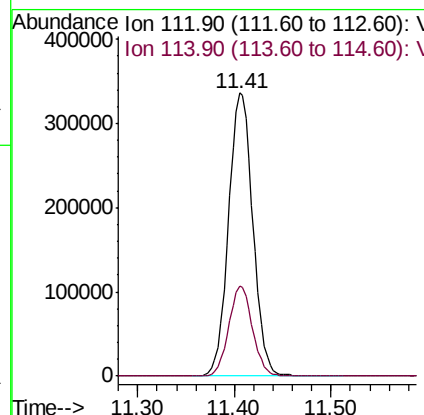
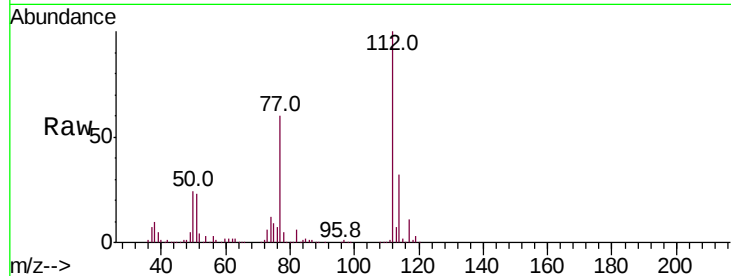
#65
Chlorobenzene
Concen: 51.384 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

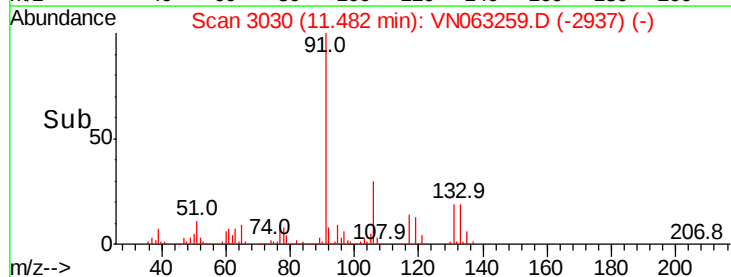
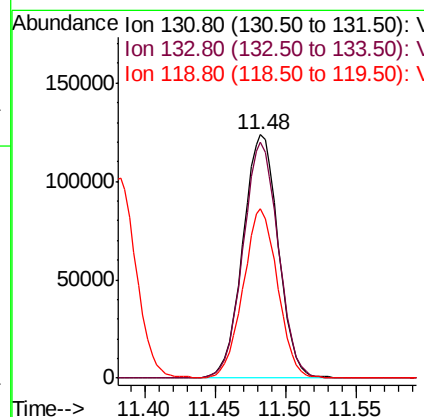
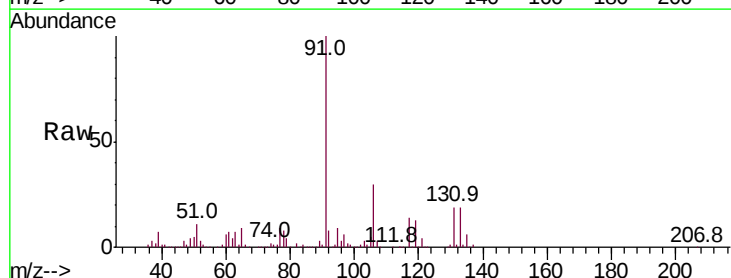
Manual Integrations
APPROVED

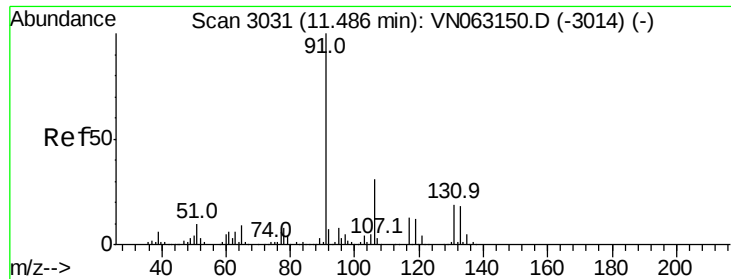
MMDadoda
9/8/2020 1:33:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.548 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	67.7	32.4	97.0





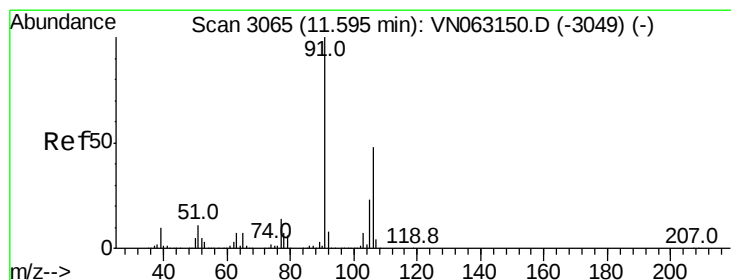
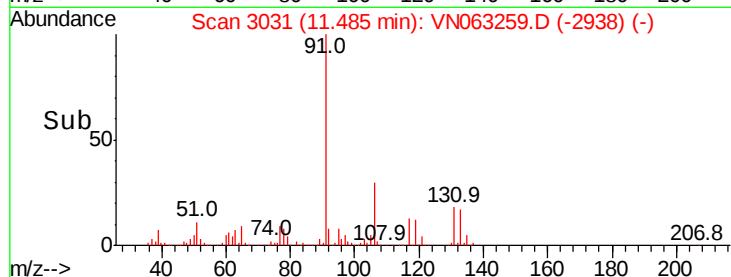
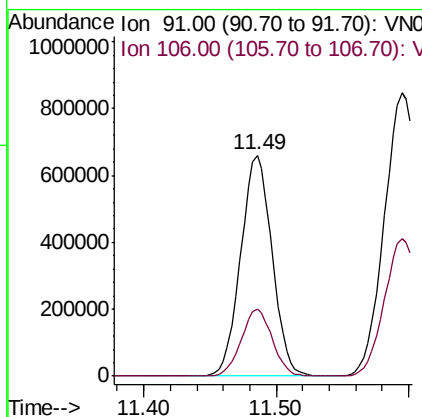
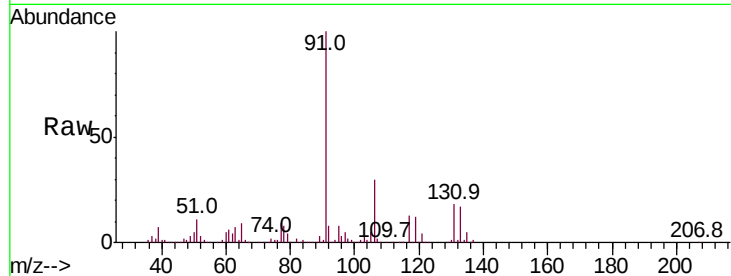
#67
Ethyl Benzene
Concen: 52.280 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1087226
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

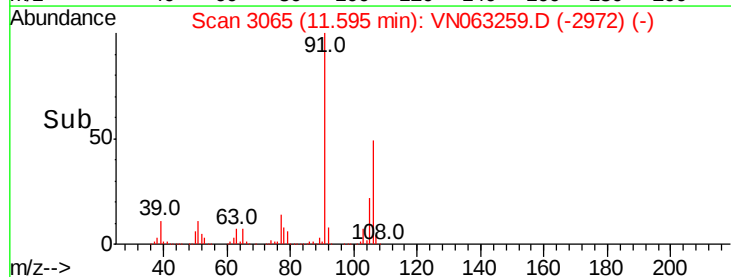
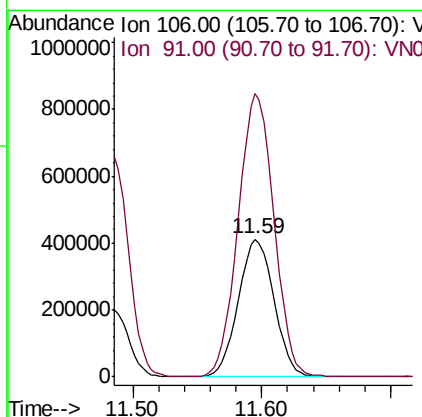
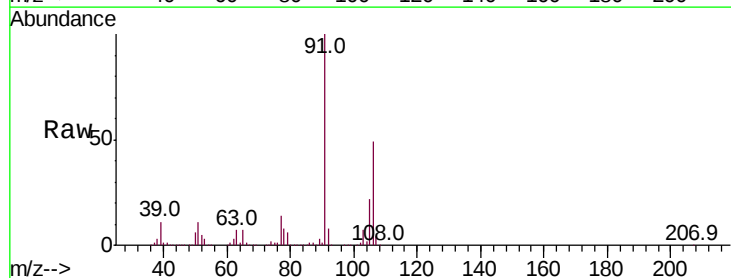
Manual Integrations
APPROVED

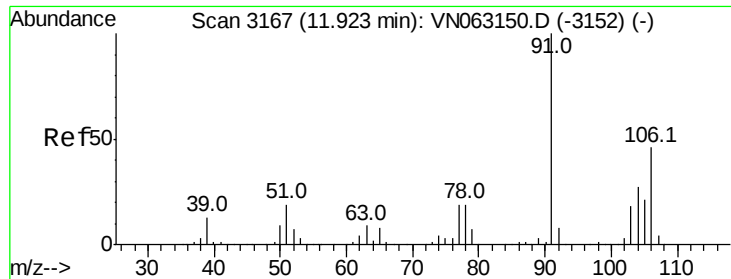
MMDadoda
9/8/2020 1:33:11 PM



#68
m/p-Xylenes
Concen: 102.907 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion: 106 Resp: 792619
Ion Ratio Lower Upper
106 100
91 206.2 166.7 250.1





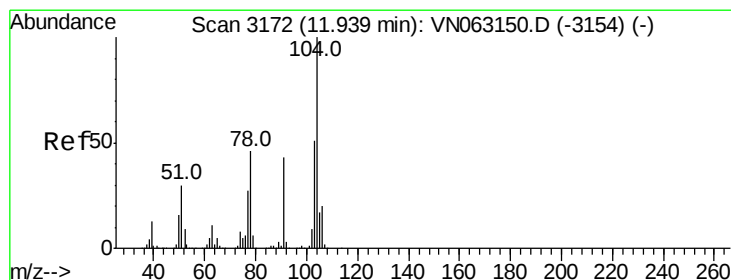
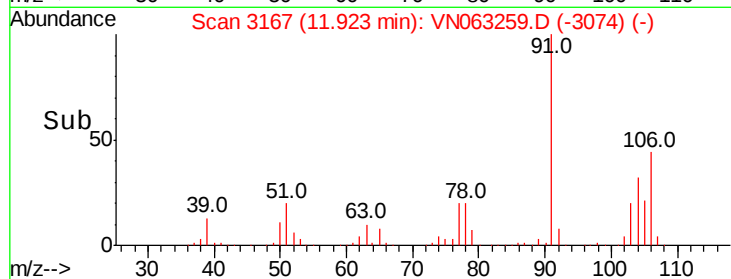
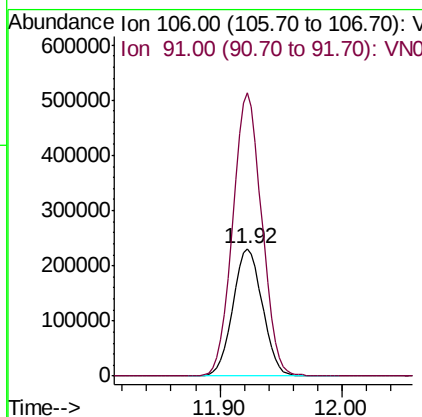
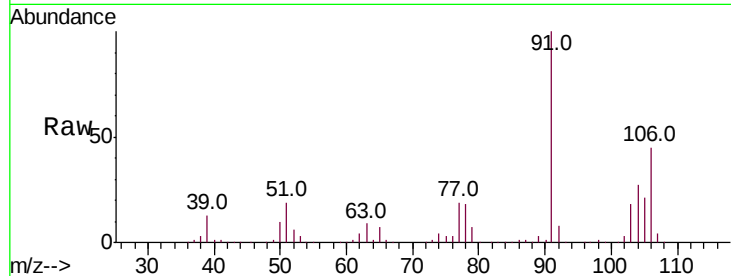
#69
o-Xylene
Concen: 52.184 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 388287
Ion Ratio Lower Upper
106 100
91 218.3 108.6 325.6

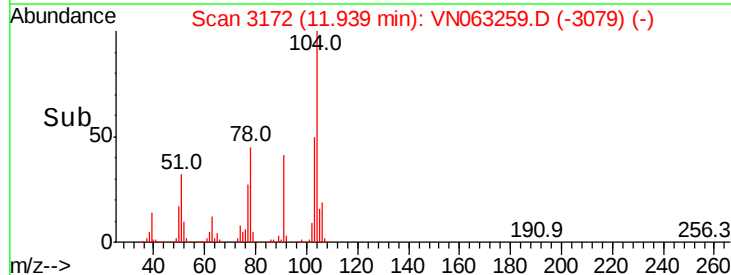
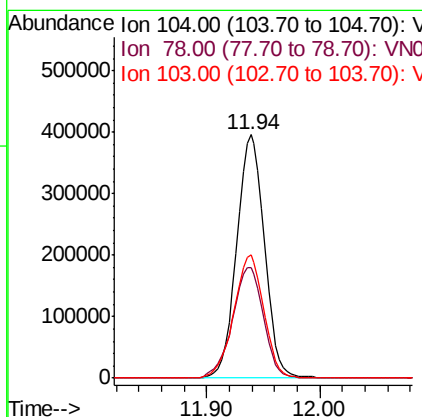
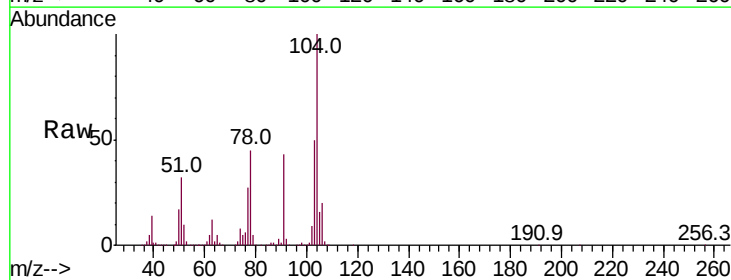
Manual Integrations
APPROVED

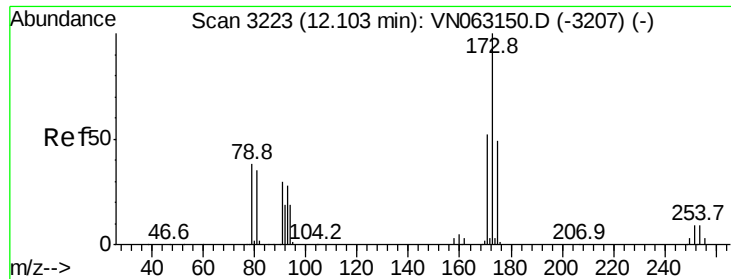
MMDadoda
9/8/2020 1:33:11 PM



#70
Styrene
Concen: 52.895 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion:104 Resp: 676398
Ion Ratio Lower Upper
104 100
78 50.8 41.0 61.6
103 54.6 43.8 65.8





#71

Bromoform

Concen: 53.595 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 153942

Ion Ratio Lower Upper

173 100

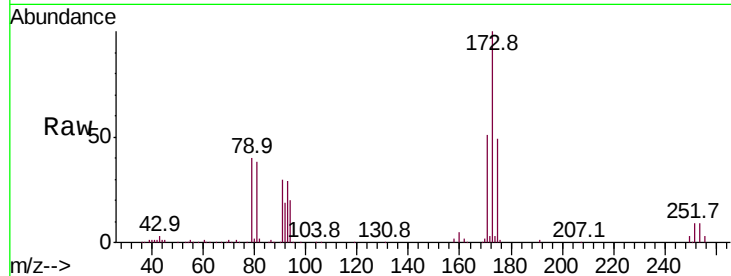
175 48.5 24.6 73.8

254 0.0 0.0 0.0

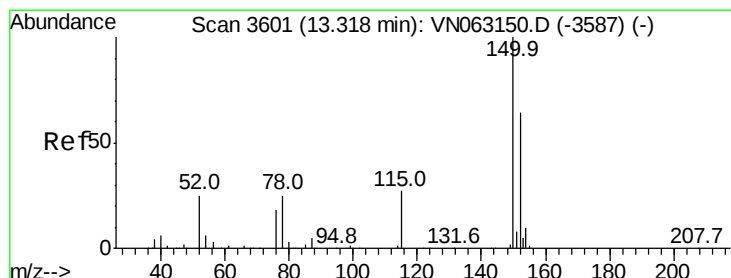
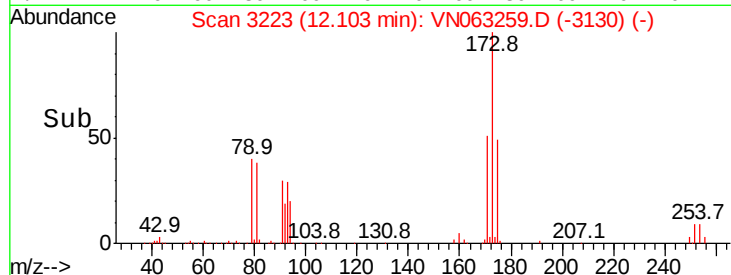
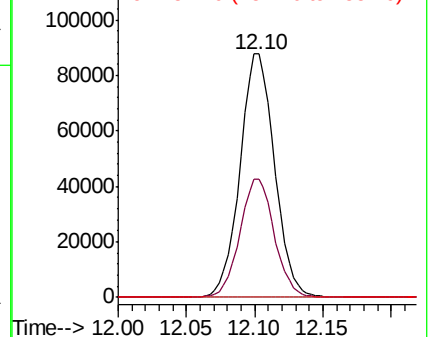
Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:33:11 PM



Abundance Ion 172.70 (172.40 to 173.40): V
120000
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

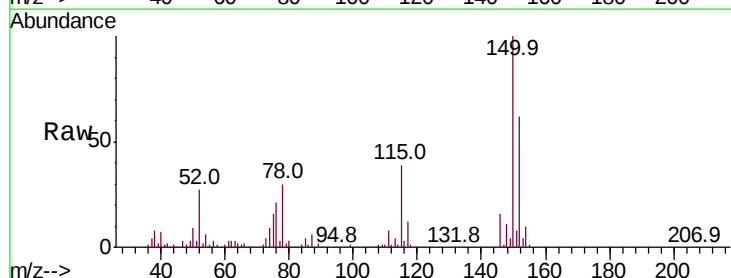
Tgt Ion:152 Resp: 262122

Ion Ratio Lower Upper

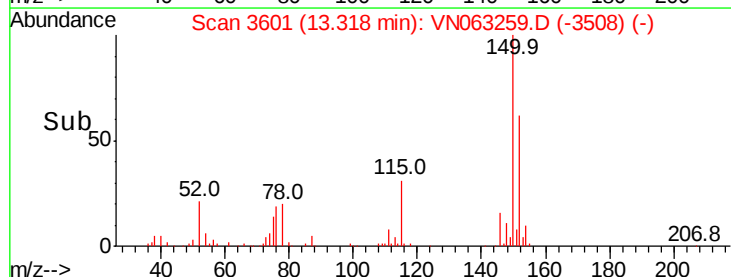
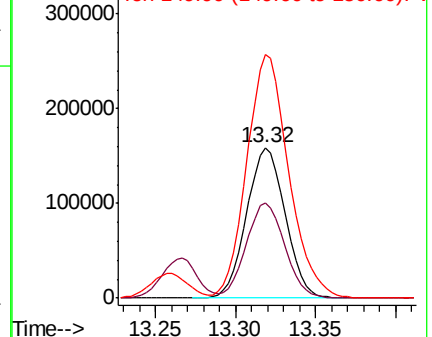
152 100

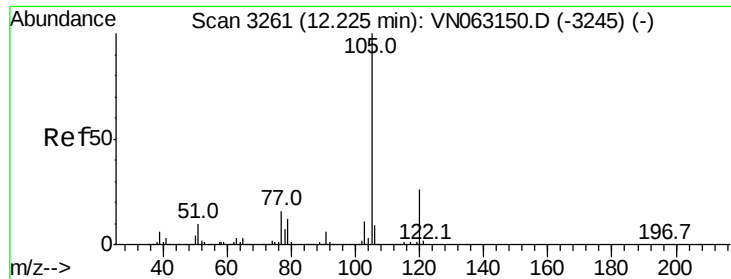
115 62.7 32.0 96.2

150 175.6 0.0 353.0



Abundance Ion 151.90 (151.60 to 152.60): V
300000
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





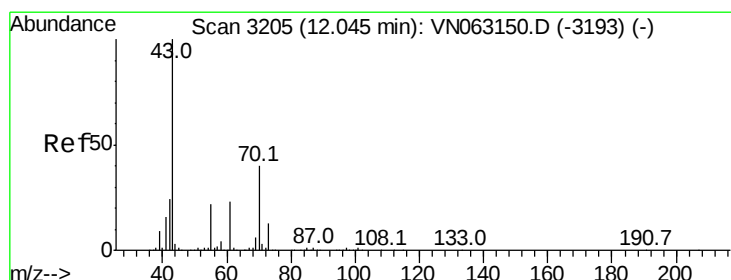
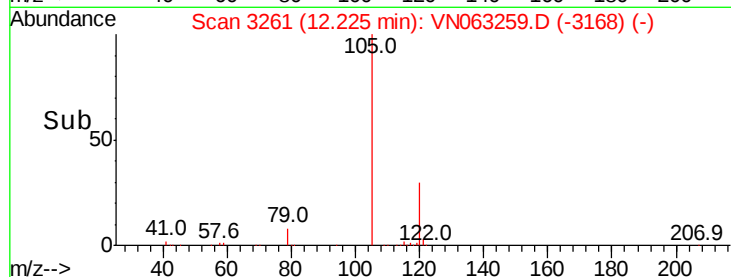
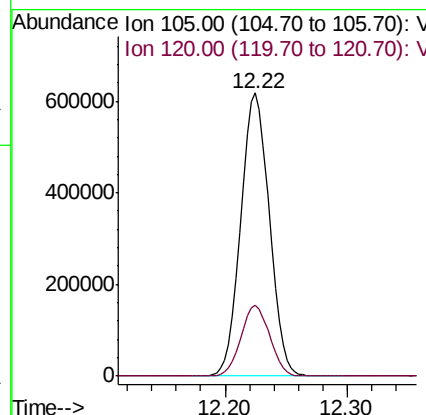
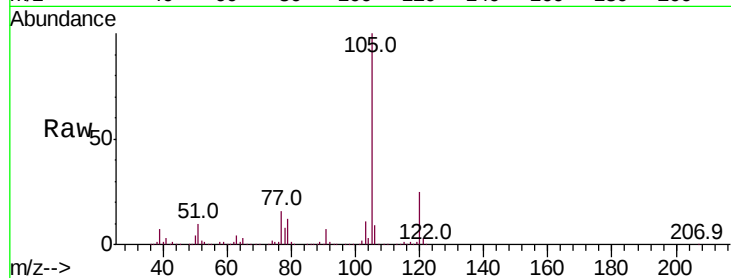
#73
Isopropylbenzene
Concen: 49.683 ug/l
RT: 12.22 min Scan# 3261
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.9	38.6

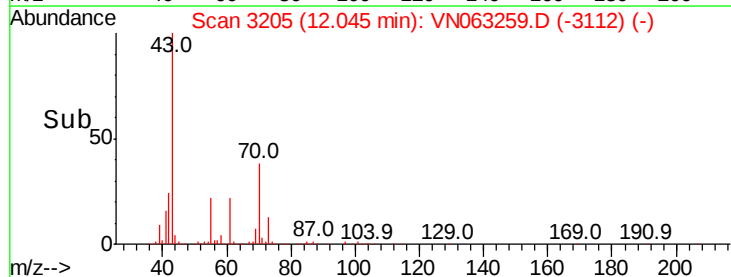
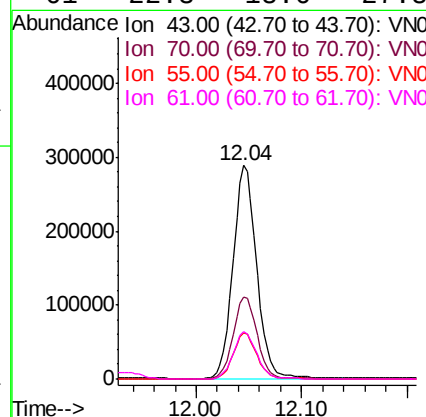
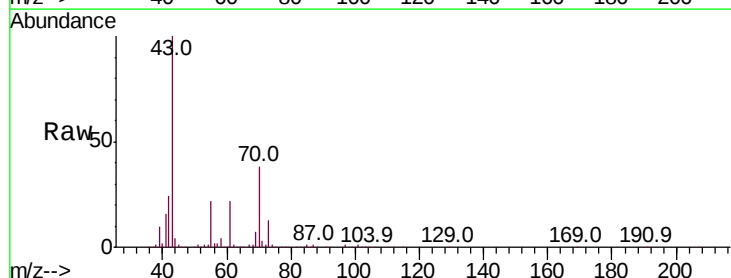
Manual Integrations
APPROVED

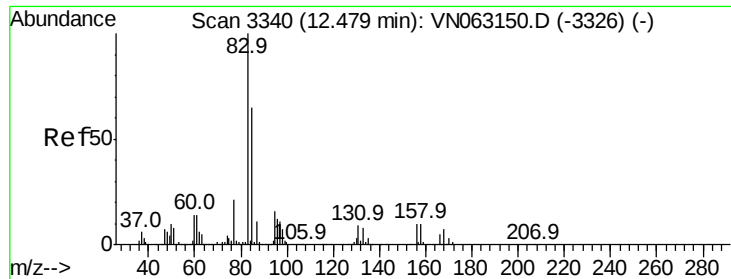
MMDadoda
9/8/2020 1:33:11 PM



#74
N-ethyl acetate
Concen: 53.657 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.3	32.1	48.1
55	22.0	17.4	26.0
61	22.3	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.916 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 312509

Ion Ratio Lower Upper

83 100

131 8.9 4.7 14.0

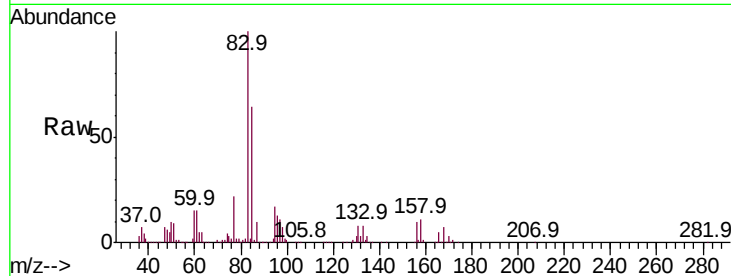
85 64.1 32.7 98.1

Manual Integrations

APPROVED

MMDadoda

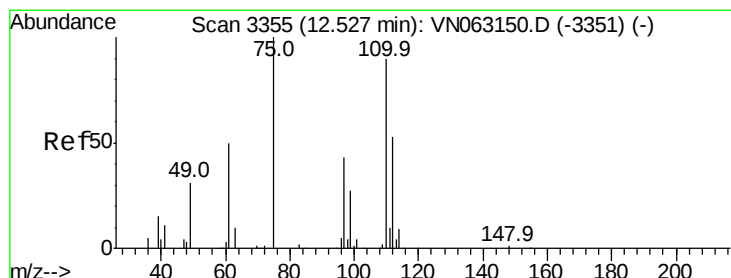
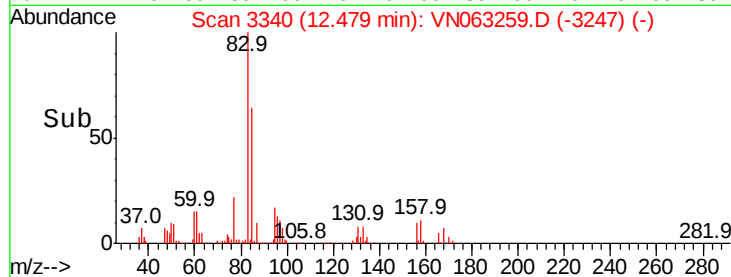
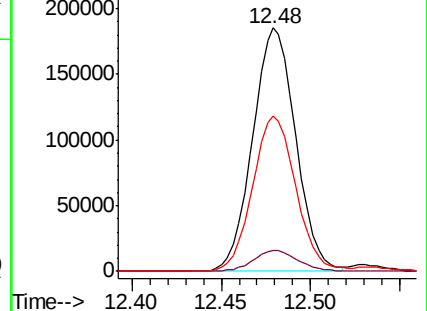
9/8/2020 1:33:11 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063259.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063259.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063259.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 52.437 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063259.D

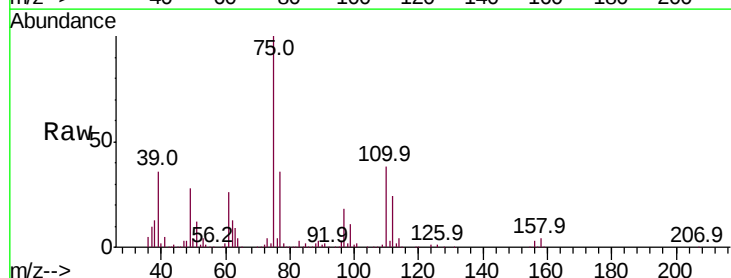
Acq: 4 Sep 2020 19:48

Tgt Ion: 75 Resp: 270057

Ion Ratio Lower Upper

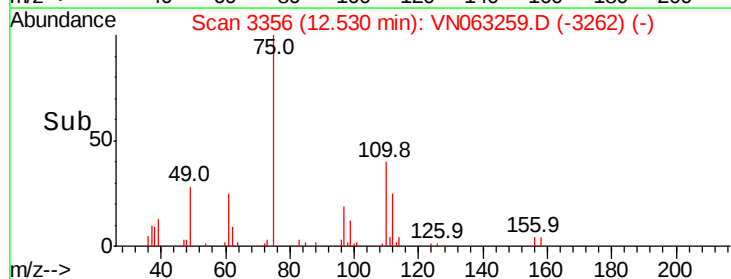
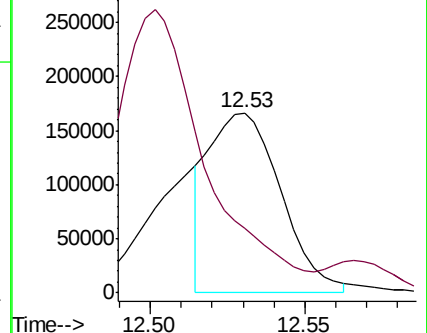
75 100

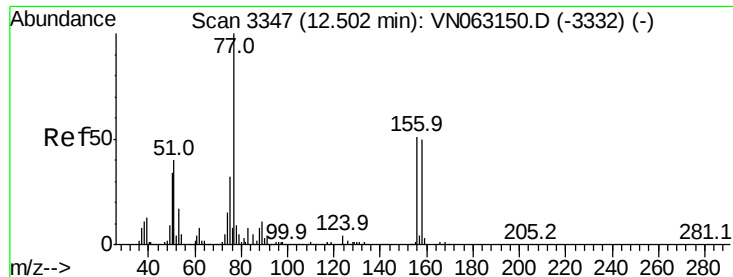
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063259.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063259.D (-3262) (-)





#77

Bromobenzene

Concen: 52.689 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

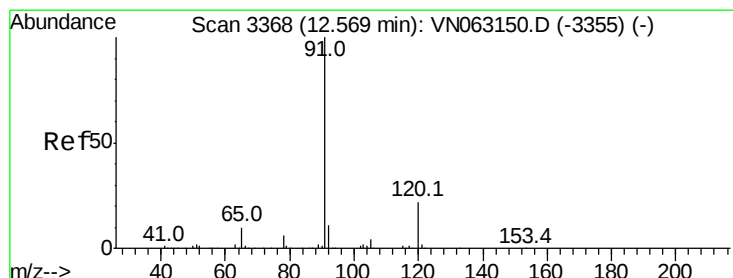
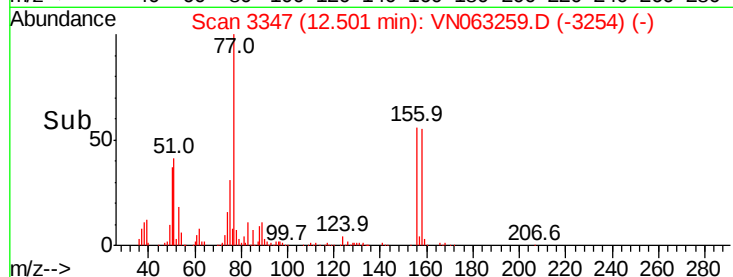
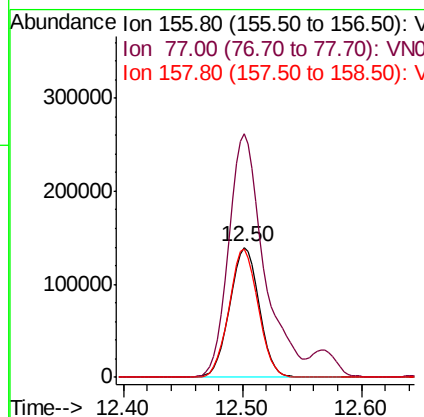
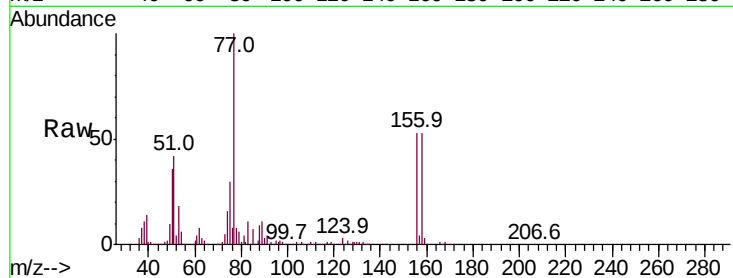
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	239567
Ion	Ratio	Lower	Upper
156	100		
77	225.2	116.1	348.3
158	97.9	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#78

n-propylbenzene

Concen: 49.671 ug/l

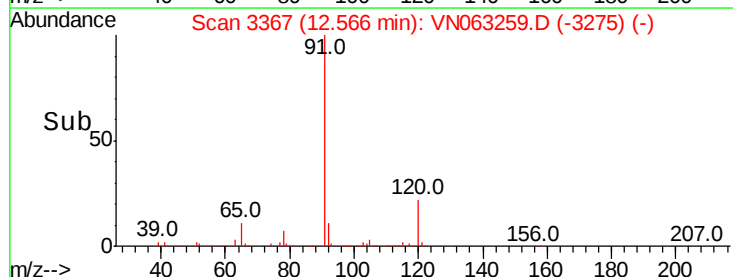
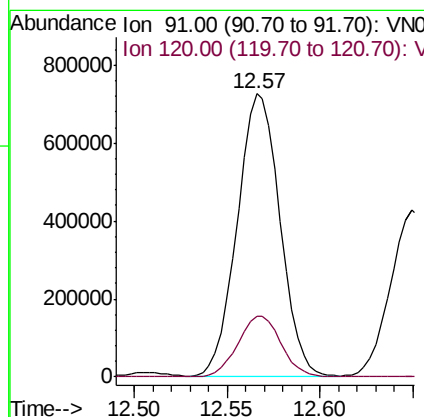
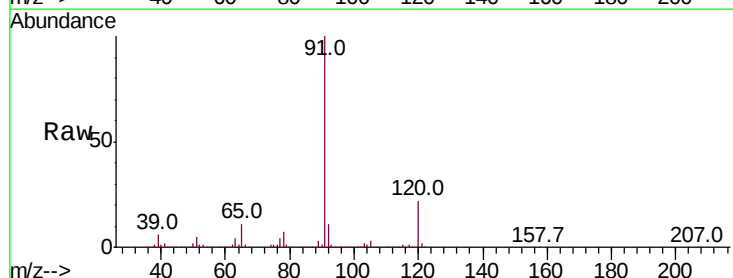
RT: 12.57 min Scan# 3367

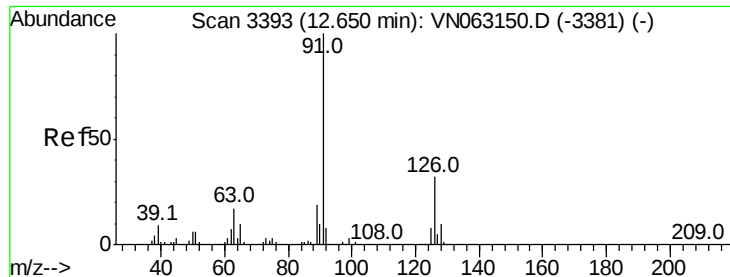
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	91	Resp:	1155547
Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 50.289 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 700724

Ion Ratio Lower Upper

91 100

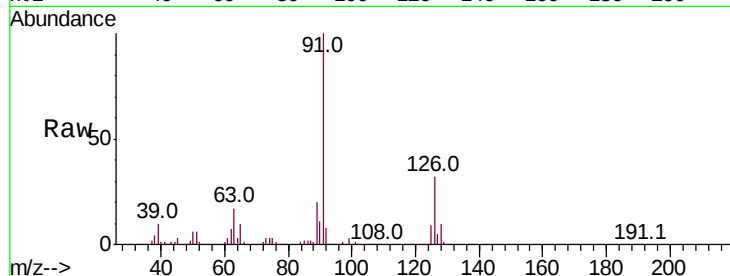
126 32.8 16.1 48.3

Manual Integrations

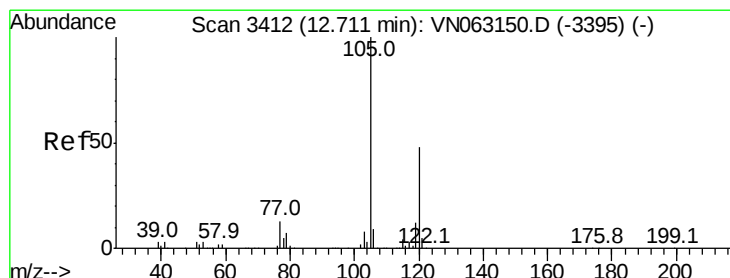
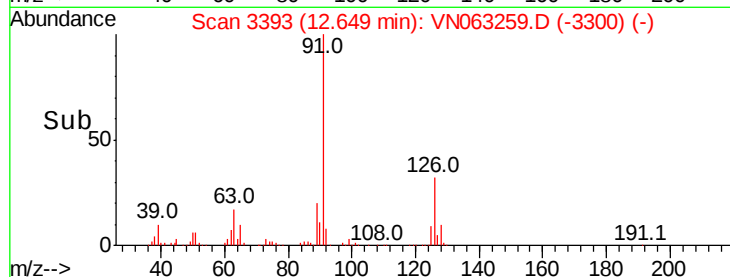
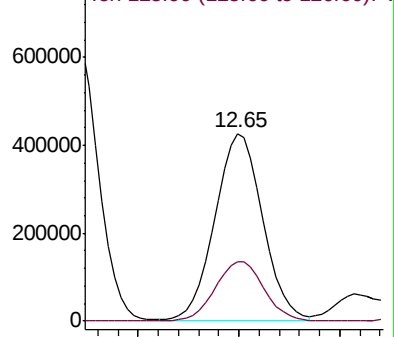
APPROVED

MMDadoda

9/8/2020 1:33:11 PM



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



#80

1,3,5-Trimethylbenzene

Concen: 50.274 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VN063259.D

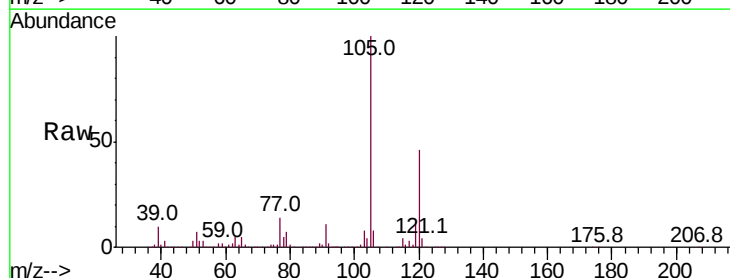
Acq: 4 Sep 2020 19:48

Tgt Ion:105 Resp: 841302

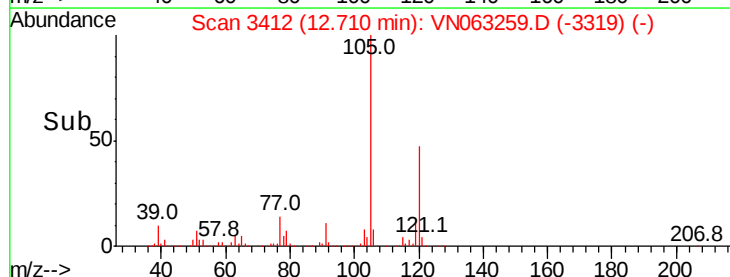
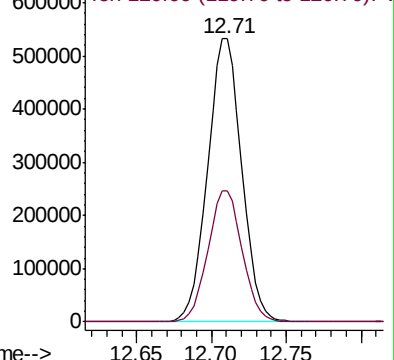
Ion Ratio Lower Upper

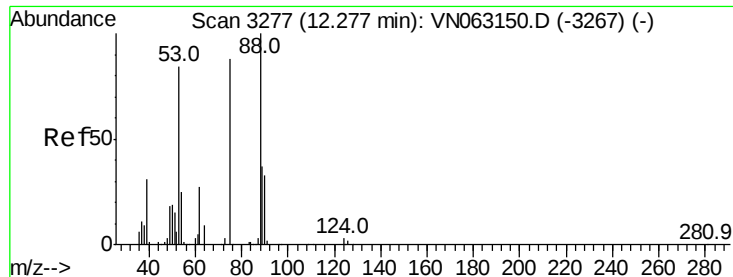
105 100

120 46.4 24.2 72.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 44.567 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 94965

Ion Ratio Lower Upper

75 100

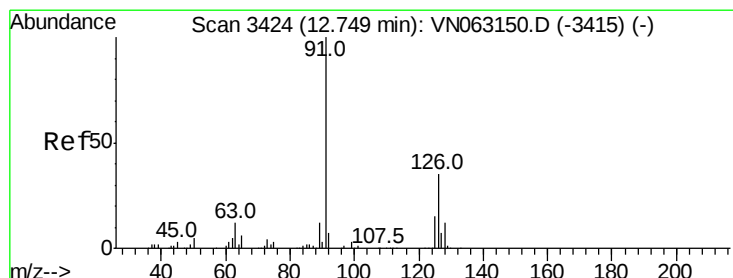
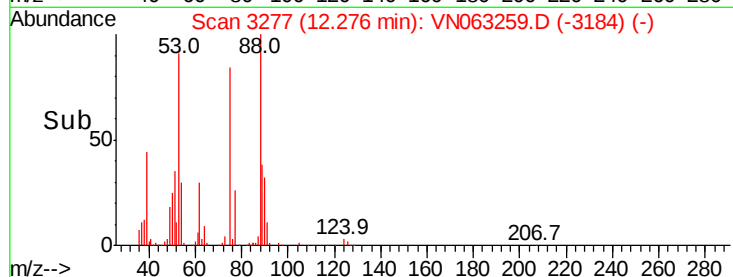
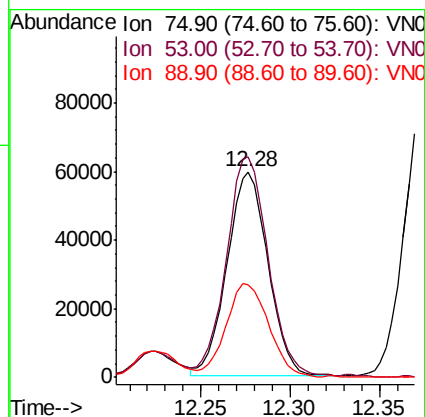
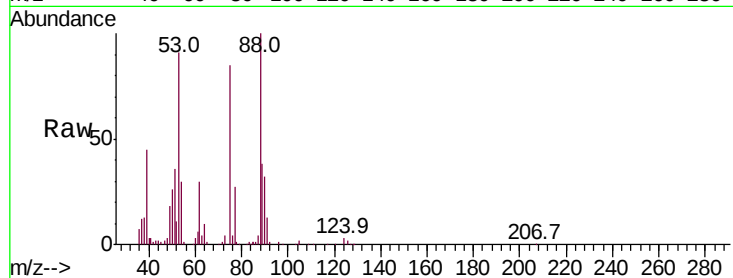
53 109.3 78.7 118.1

89 47.3 35.3 52.9

Manual Integrations
APPROVED

MMDadoda

9/8/2020 1:33:11 PM



#82

4-Chlorotoluene

Concen: 51.229 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. -0.00 min

Lab File: VN063259.D

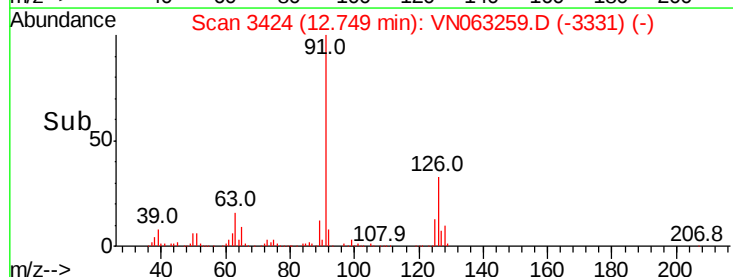
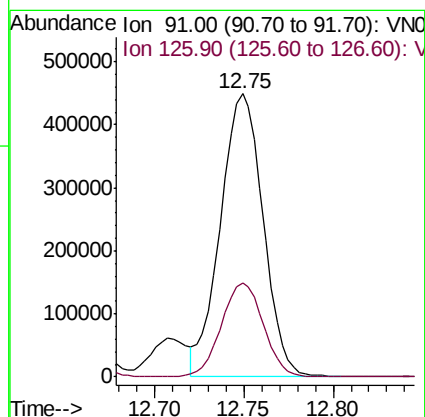
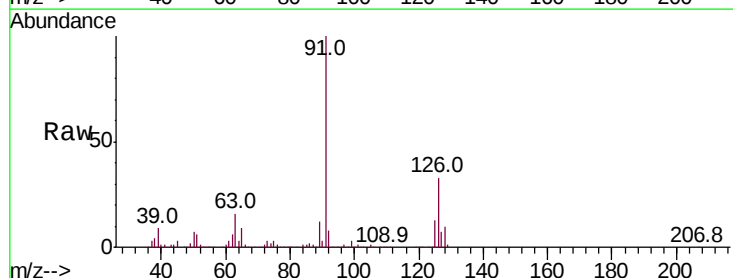
Acq: 4 Sep 2020 19:48

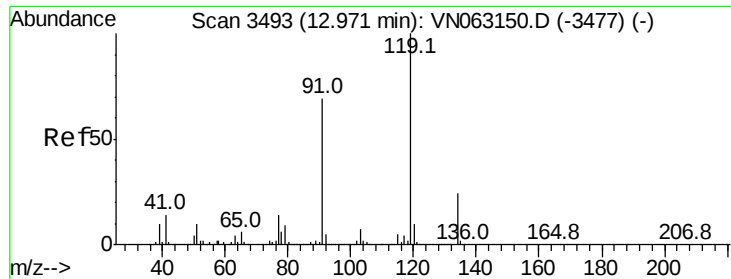
Tgt Ion: 91 Resp: 740323

Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.5





#83

tert-Butylbenzene

Concen: 45.623 ug/l

RT: 12.97 min Scan# 3493

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

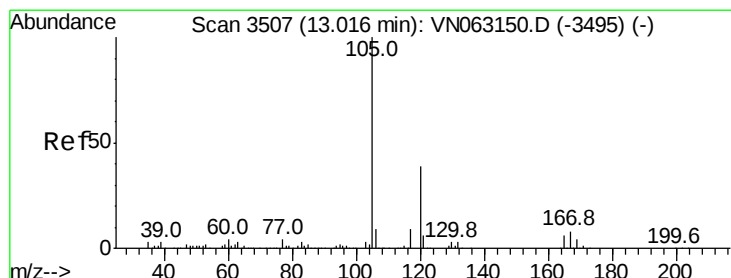
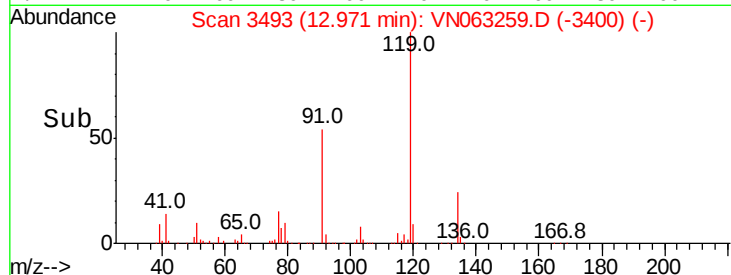
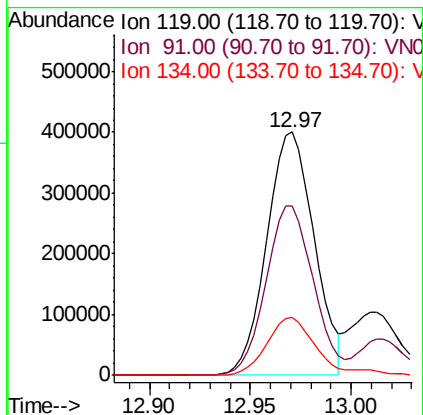
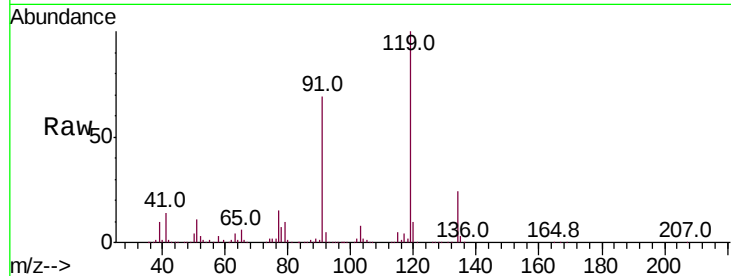
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp:	654762
Ion Ratio	Lower	Upper
119 100		
91 69.6	33.7	101.0
134 23.6	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#84

1,2,4-Trimethylbenzene

Concen: 51.143 ug/l

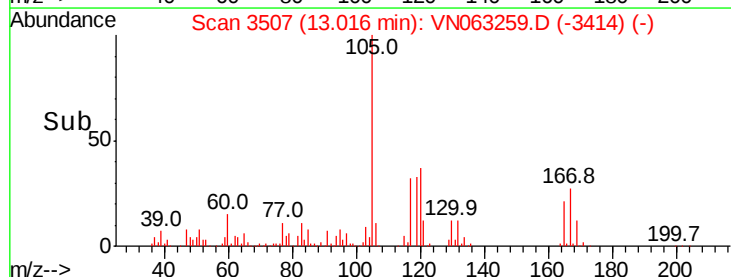
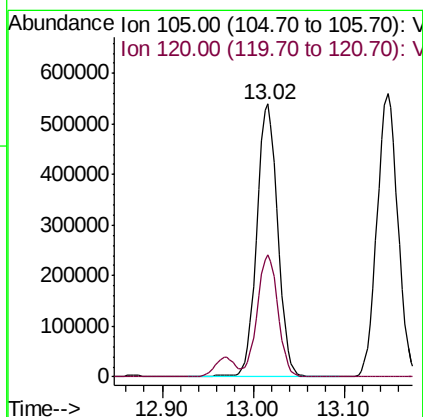
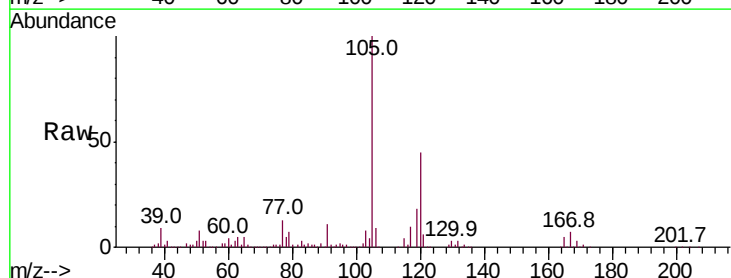
RT: 13.02 min Scan# 3507

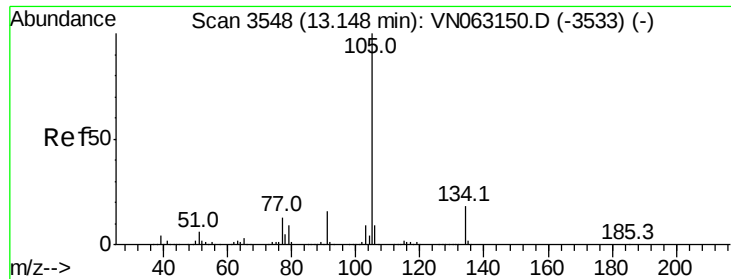
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:105	Resp:	862659
Ion Ratio	Lower	Upper
105 100		
120 44.1	22.6	67.7





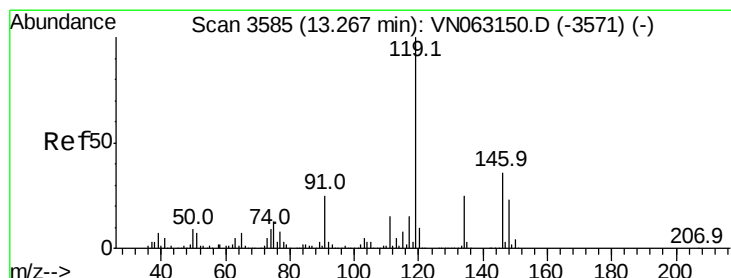
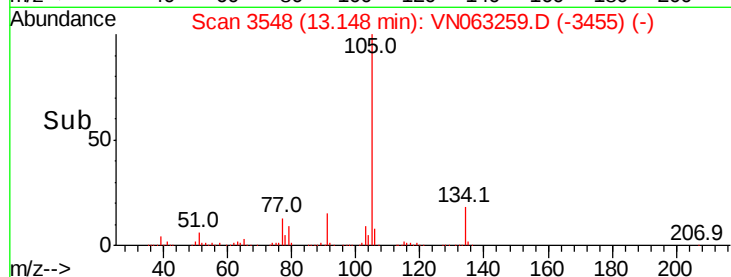
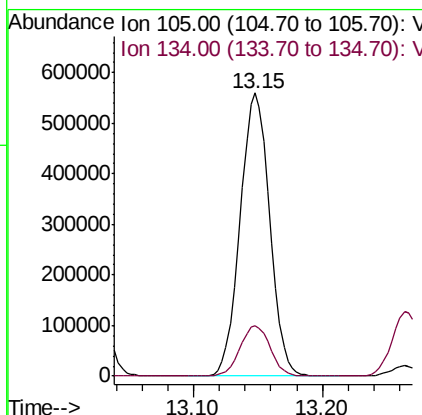
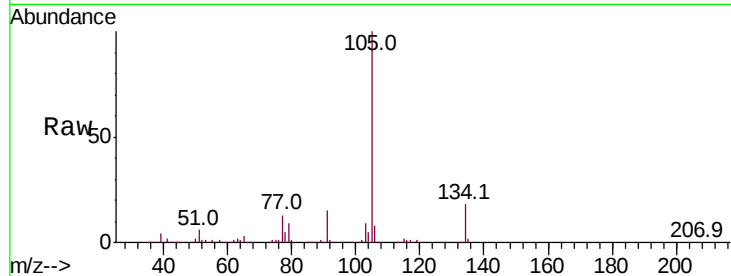
#85
 sec-Butylbenzene
 Concen: 47.529 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	888995		
134	18.1	9.4	28.3	

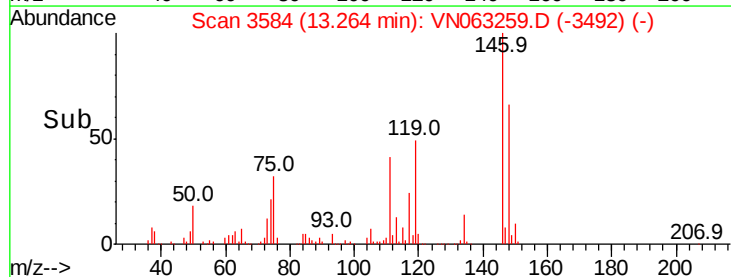
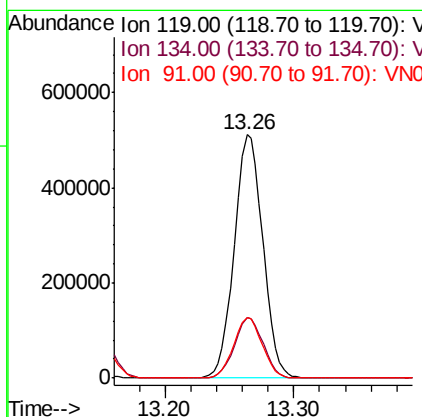
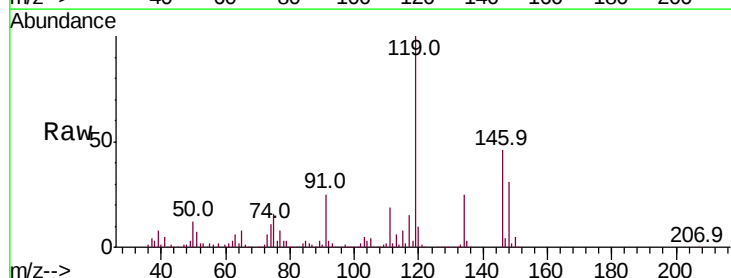
Manual Integrations
 APPROVED

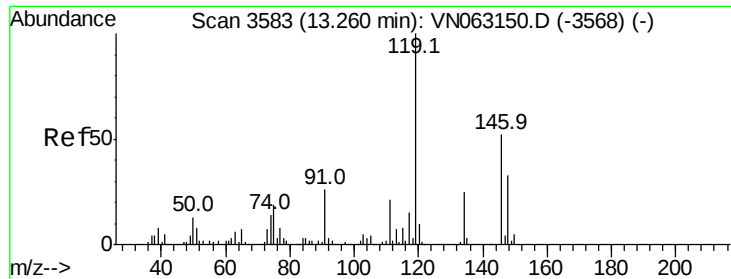
MMDadoda
 9/8/2020 1:33:11 PM



#86
 p-Isopropyltoluene
 Concen: 47.302 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	785490		
134	24.8	12.4	37.4	
91	24.7	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 52.333 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

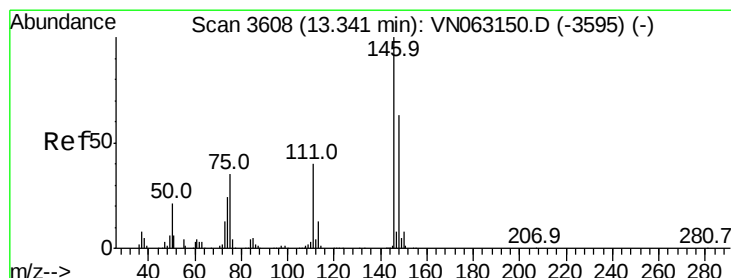
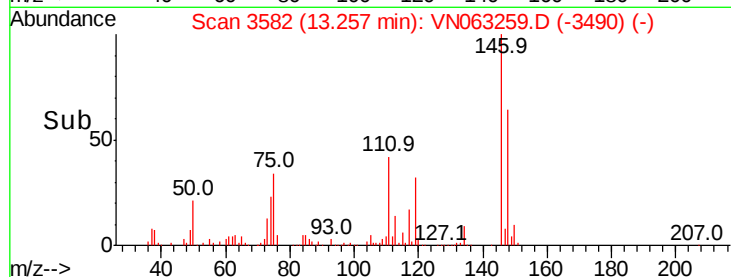
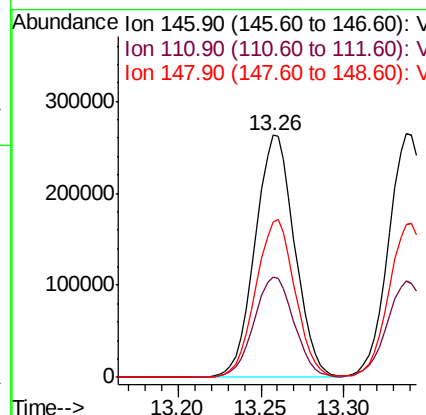
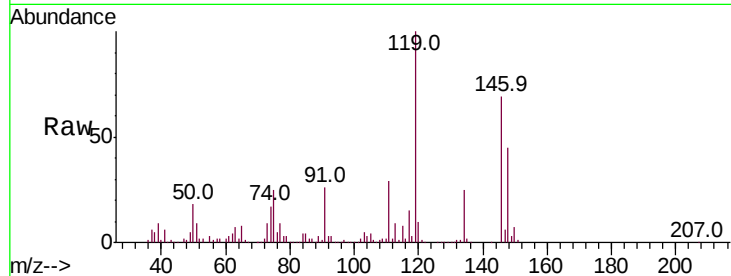
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	437128
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.3	63.7
148	64.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#88

1,4-Dichlorobenzene

Concen: 51.168 ug/l

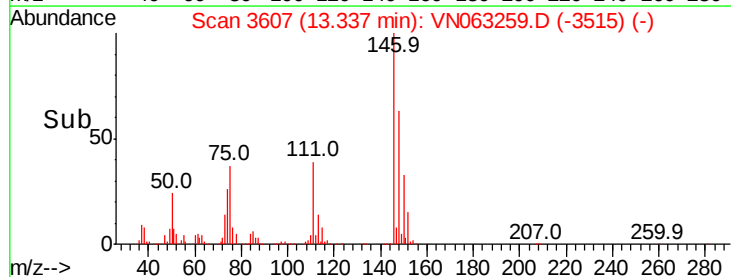
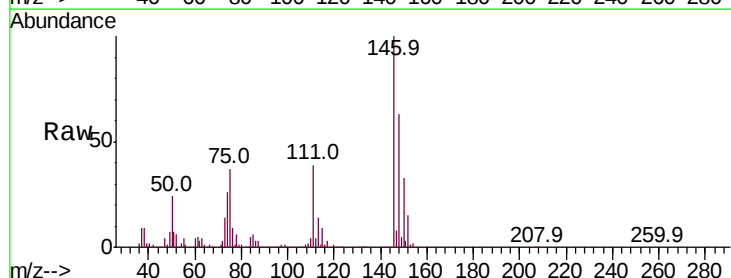
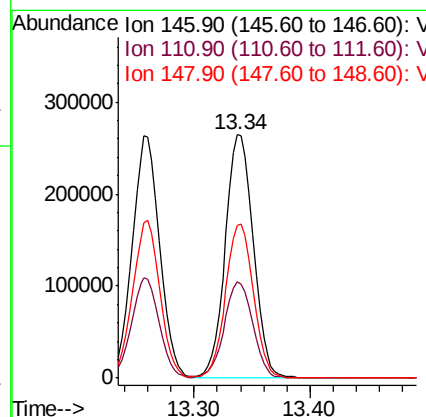
RT: 13.34 min Scan# 3607

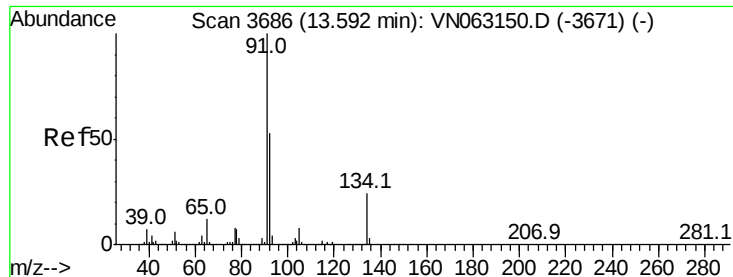
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	146	Resp:	442543
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.5	61.5
148	63.0	31.9	95.7





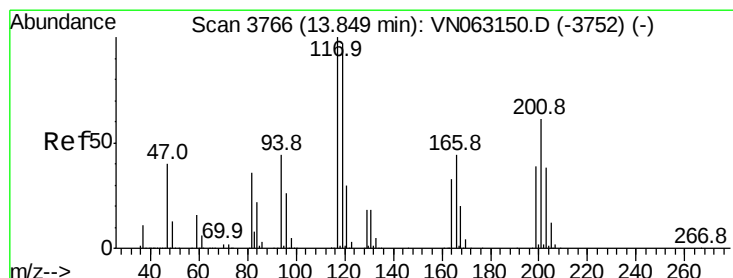
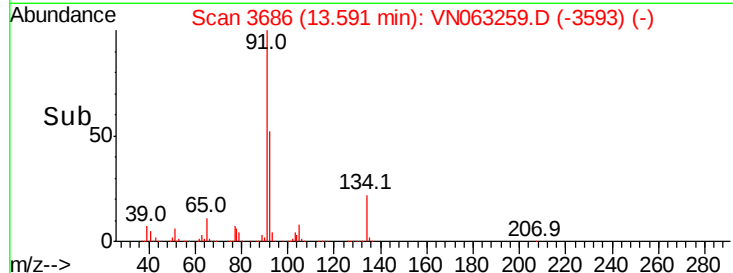
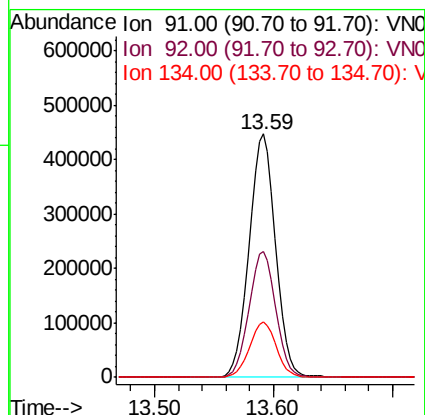
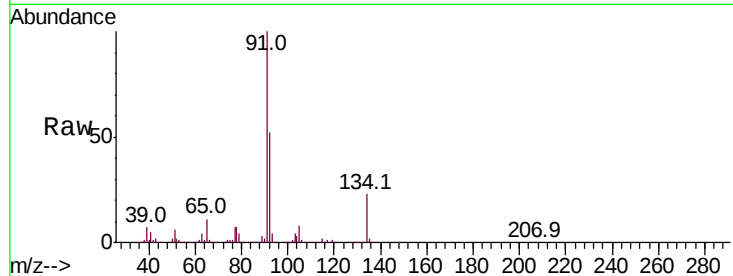
#89
n-Butylbenzene
Concen: 44.819 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	23.1	12.0	36.0

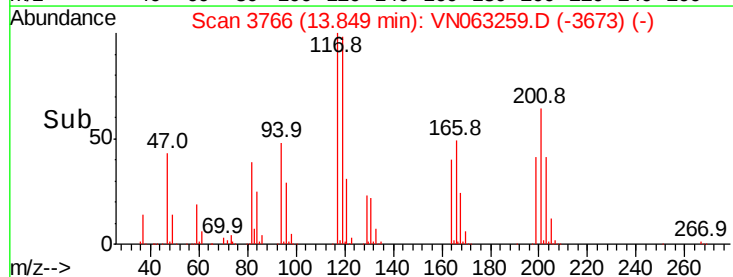
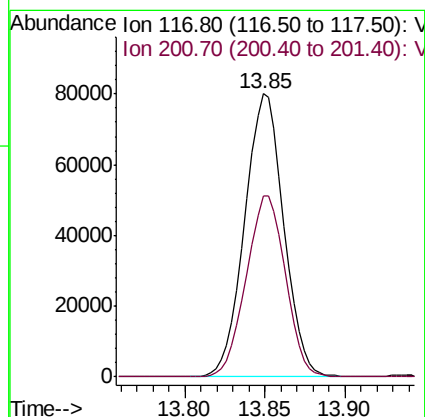
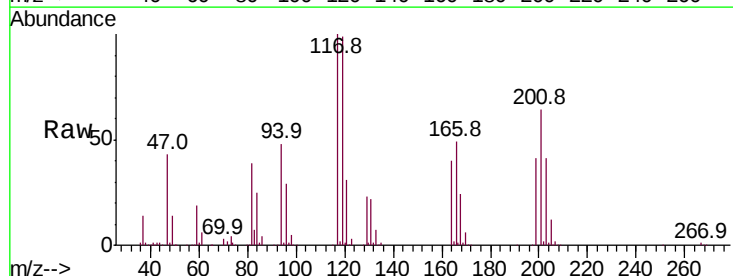
Manual Integrations
APPROVED

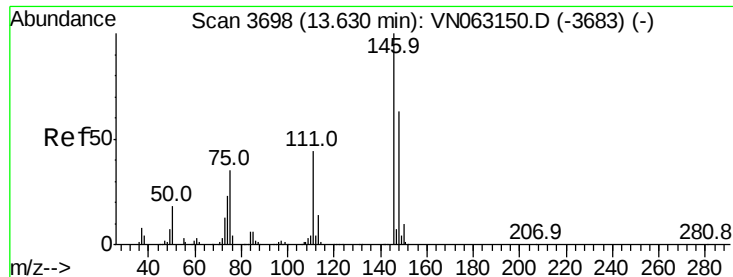
MMDadoda
9/8/2020 1:33:11 PM



#90
Hexachloroethane
Concen: 43.289 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063259.D
Acq: 4 Sep 2020 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.2	30.6	92.0





#91

1,2-Dichlorobenzene

Concen: 54.780 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

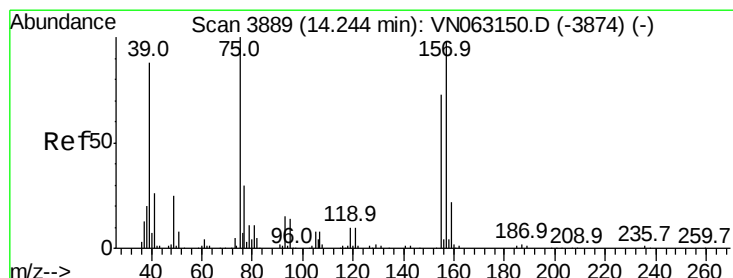
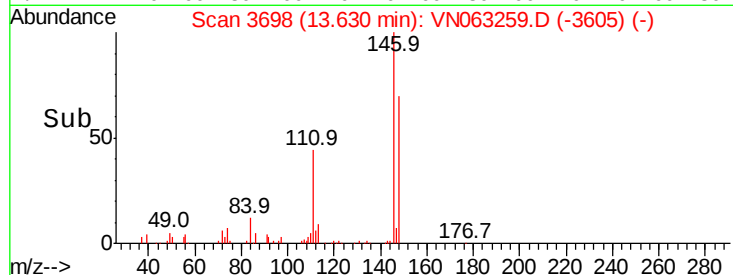
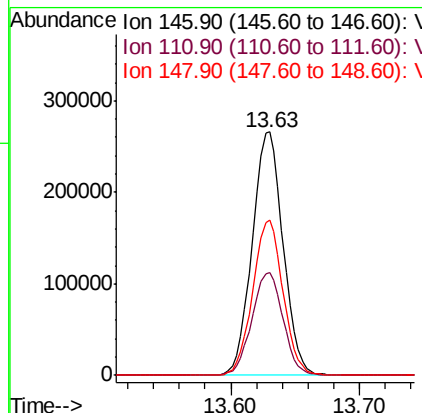
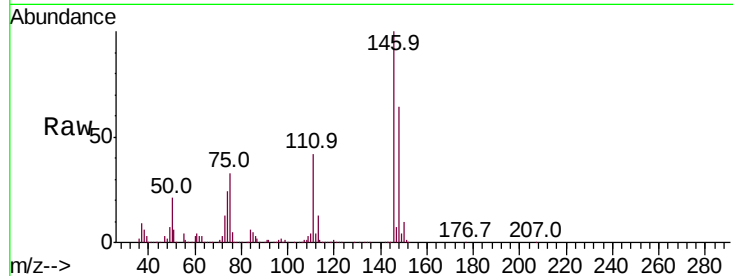
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	444030
Ion Ratio	Lower	Upper	
146	100		
111	42.5	22.0	66.0
148	62.9	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.813 ug/l

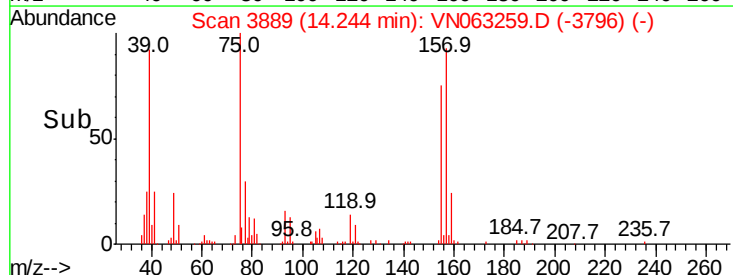
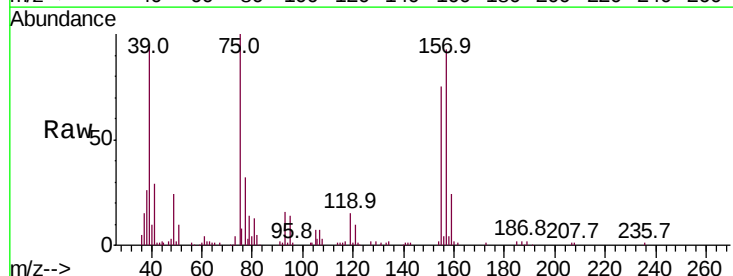
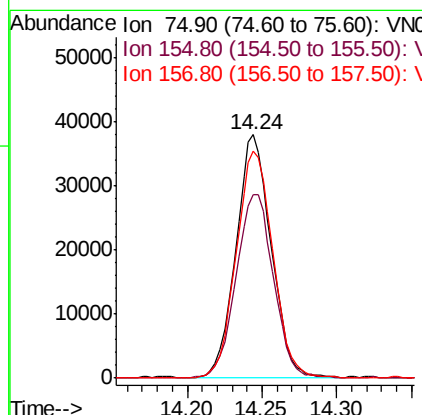
RT: 14.24 min Scan# 3889

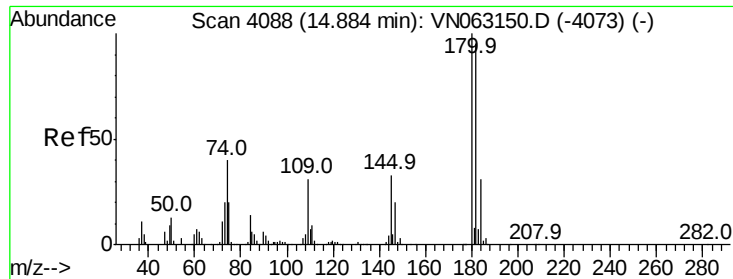
Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	75	Resp:	62202
Ion Ratio	Lower	Upper	
75	100		
155	80.1	36.1	108.5
157	97.0	48.4	145.0





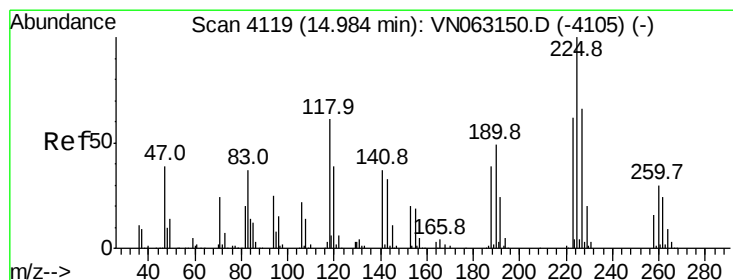
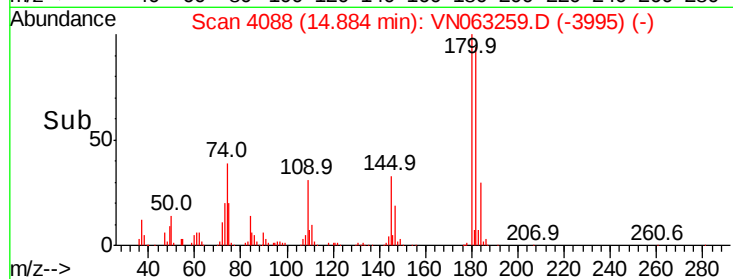
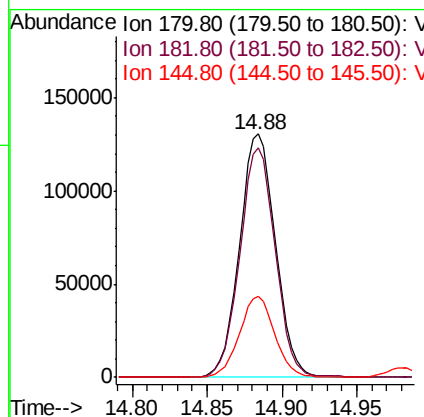
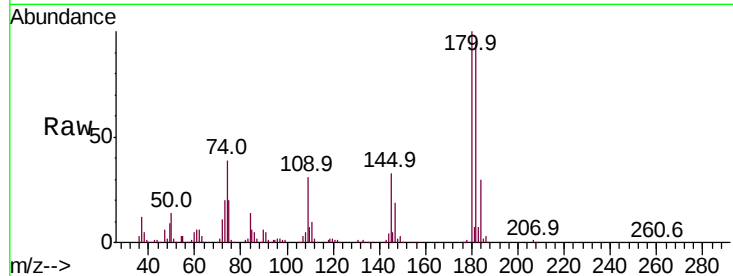
#93
 1,2,4-Trichlorobenzene
 Concen: 48.172 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	218148
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.5	142.5
145	32.6	16.6	49.8

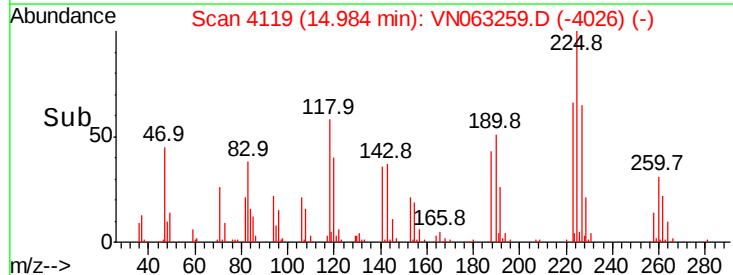
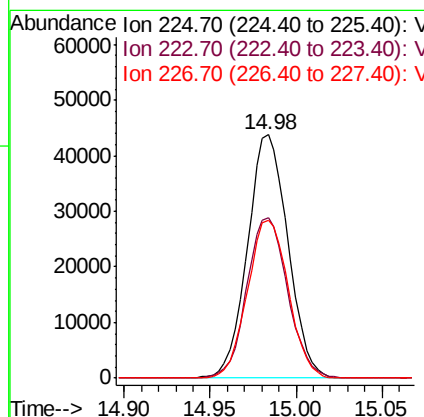
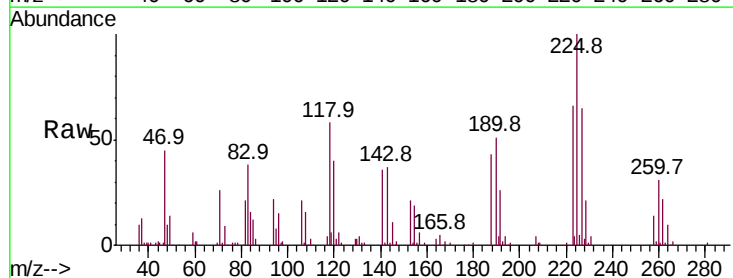
Manual Integrations
 APPROVED

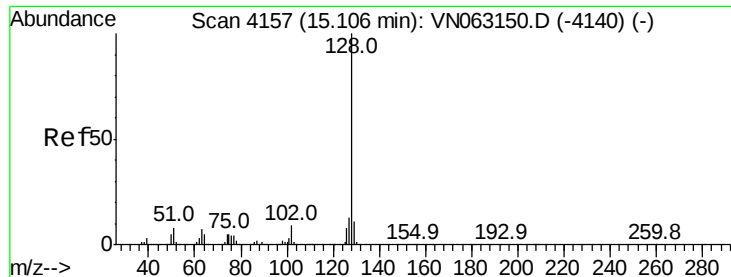
MMDadoda
 9/8/2020 1:33:11 PM



#94
 Hexachlorobutadiene
 Concen: 42.241 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063259.D
 Acq: 4 Sep 2020 19:48

Tgt Ion:	225	Resp:	71460
Ion Ratio	Lower	Upper	
225	100		
223	66.7	30.9	92.7
227	65.6	32.9	98.7





#95

Naphthalene

Concen: 50.982 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. -0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Instrument :

MSVOA_N

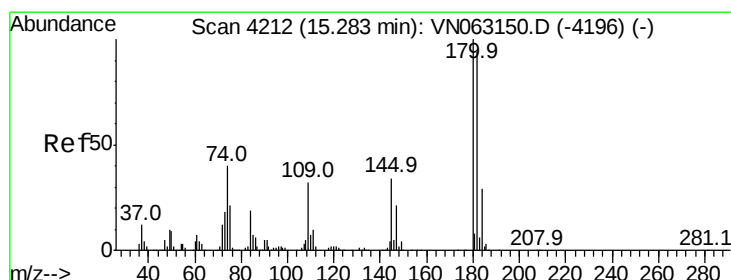
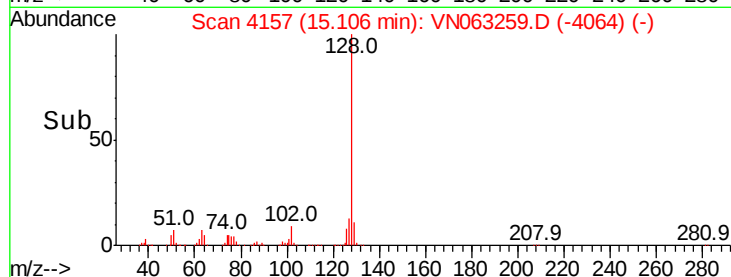
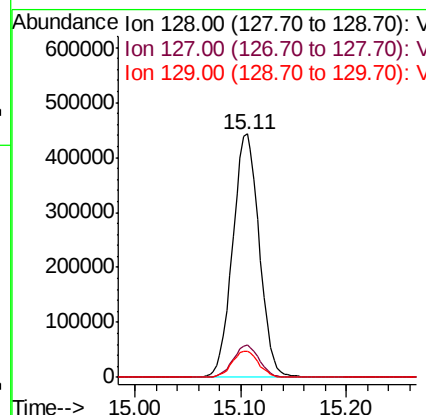
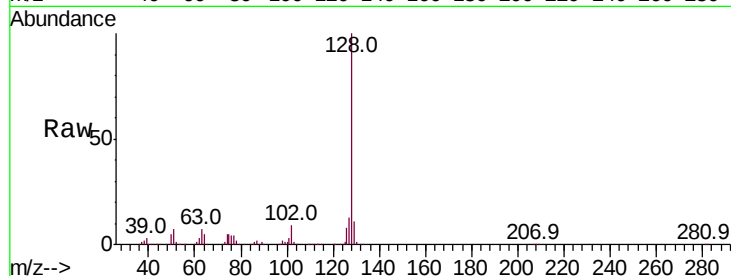
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	770272
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:33:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.279 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063259.D

Acq: 4 Sep 2020 19:48

Tgt Ion:	180	Resp:	213003
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.5
145	34.1	17.3	52.0

