

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063908.D
 Acq On : 6 Oct 2020 21:06
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:57 PM

Quant Time: Oct 07 04:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	52961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	284836	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262712	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	142972	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.38	95	130613	29.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.90%
63) Toluene-d8	10.06	98	361885	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	68106	19.000 ug/l	97
3) Chloromethane	2.04	50	67386	18.166 ug/l	100
4) Vinyl Chloride	2.17	62	67646	18.331 ug/l	99
5) Bromomethane	2.54	94	35662	15.014 ug/l	99
6) Chloroethane	2.68	64	40161	17.348 ug/l	98
7) Trichlorofluoromethane	2.99	101	106876	18.347 ug/l	96
8) Diethyl Ether	3.38	74	32803	17.391 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53114	17.547 ug/l #	71
10) 1,1-Dichloroethene	3.70	96	51137	17.994 ug/l	92
11) Methyl Iodide	3.91	142	50404	13.900 ug/l	91
12) Methyl Acetate	4.28	43	59668	17.060 ug/l	96
13) Acrolein	3.57	56	35091	103.075 ug/l	98
14) Acrylonitrile	4.93	53	112992	78.573 ug/l	92
15) Acetone	3.78	58	32102	77.119 ug/l #	61
16) Carbon Disulfide	4.02	76	147636	17.517 ug/l	99
17) Allyl chloride	4.28	41	95604	18.074 ug/l	88
18) Methylene Chloride	4.50	84	60253	17.688 ug/l	91
19) trans-1,2-Dichloroethene	5.00	96	56306	17.540 ug/l	96
20) Diisopropyl ether	5.90	45	183880	17.293 ug/l #	87
21) 1,1-Dichloroethane	5.80	63	114207	17.742 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	64378	17.666 ug/l	96
23) tert-Butyl Alcohol	4.73	59	40849	66.222 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	166245	17.437 ug/l #	86
25) Chloroform	7.33	83	117758	17.447 ug/l	98
26) Cyclohexane	7.61	56	81520	17.582 ug/l #	96
29) 1,1-Dichloropropene	7.75	75	82174	16.474 ug/l	98
30) 2-Butanone	6.78	43	182006	74.394 ug/l #	91
31) 2,2-Dichloropropane	6.78	77	90614	15.200 ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	108607	17.067 ug/l	96
33) Carbon Tetrachloride	7.73	117	92412	16.575 ug/l	95
34) Benzene	8.00	78	242780	17.119 ug/l	95
35) Methacrylonitrile	7.12	41	38542	16.575 ug/l	92
36) 1,2-Dichloroethane	8.09	62	105829	16.984 ug/l #	93
37) Trichloroethene	8.80	130	64676	17.405 ug/l	97
38) Methylcyclohexane	9.05	83	70275	16.686 ug/l	99
39) 1,2-Dichloropropane	9.08	63	66151	17.166 ug/l	98
40) Dibromomethane	9.17	93	44407	16.500 ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063908.D
 Acq On : 6 Oct 2020 21:06
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:57 PM

Quant Time: Oct 07 04:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	94187	16.838	ug/l	99
42) Vinyl Acetate	5.85	43	827785	81.525	ug/l	98
43) Ethyl Acetate	6.88	43	82172	15.684	ug/l	94
44) Isopropyl Acetate	8.13	43	137962	15.889	ug/l #	89
45) 1,4-Dioxane	9.16	88	15263	274.179	ug/l	99
46) Methyl methacrylate	9.17	41	68971	15.966	ug/l	85
47) n-amyl Acetate	12.05	43	112674	14.595	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	96531	15.970	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	101976	16.269	ug/l #	82
50) 1,1,2-Trichloroethane	10.53	97	58603	16.307	ug/l	98
51) Ethyl methacrylate	10.40	69	81586	15.651	ug/l #	74
52) 1,3-Dichloropropane	10.68	76	102121	16.589	ug/l	98
53) Dibromochloromethane	10.87	129	66240	16.015	ug/l	97
54) 1,2-Dibromoethane	10.98	107	61502	16.322	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	219273	78.828	ug/l	99
56) Bromoform	12.10	173	45331	15.816	ug/l	94
58) 4-Methyl-2-Pentanone	9.95	43	400573	78.566	ug/l	95
59) 2-Hexanone	10.72	43	284617	74.945	ug/l	94
61) Tetrachloroethene	10.60	164	58055	17.419	ug/l	89
62) Toluene	10.13	91	263251	17.447	ug/l	100
64) Chlorobenzene	11.41	112	159421	17.432	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	61389	17.164	ug/l	98
66) Ethyl Benzene	11.48	91	289294	17.460	ug/l	96
67) m/p-Xylenes	11.60	106	213378	34.631	ug/l	97
68) o-Xylene	11.92	106	99132	16.887	ug/l	93
69) Styrene	11.94	104	167504	16.723	ug/l	95
70) Isopropylbenzene	12.23	105	267610	17.156	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	82742	16.781	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	79122m	15.737	ug/l	
73) Bromobenzene	12.50	156	66562	16.836	ug/l	89
74) n-propylbenzene	12.57	91	308521	16.919	ug/l	99
75) 2-Chlorotoluene	12.65	91	192685	17.323	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	227280	17.278	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	25124	14.049	ug/l	86
78) 4-Chlorotoluene	12.75	91	197422	16.761	ug/l	100
79) tert-butylbenzene	12.97	119	180486	17.127	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	221703	16.813	ug/l	97
81) sec-Butylbenzene	13.15	105	233357	16.847	ug/l	98
82) p-Isopropyltoluene	13.26	119	206656	16.507	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	116723	16.600	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	113054	16.186	ug/l	96
85) n-Butylbenzene	13.59	91	170333	15.551	ug/l	98
86) Hexachloroethane	13.85	117	35422	16.417	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	114550	16.602	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.25	75	16592	14.083	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	53118	15.145	ug/l	98
90) Hexachlorobutadiene	14.98	225	32503	17.498	ug/l	97
91) Naphthalene	15.10	128	157106	14.644	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	52816	15.461	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
Data File : VN063908.D
Acq On : 6 Oct 2020 21:06
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

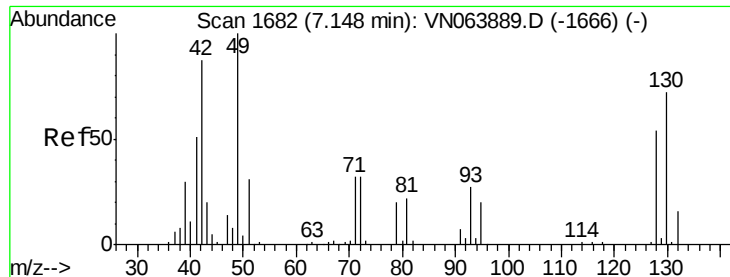
Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM

Quant Time: Oct 07 04:47:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

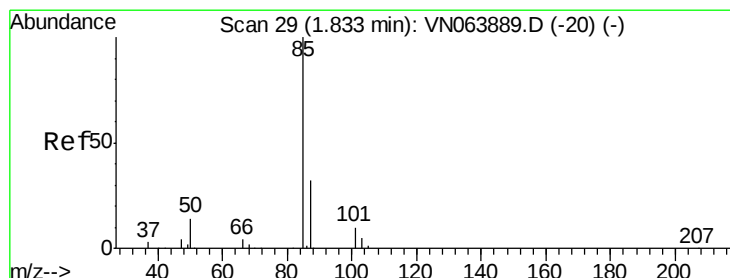
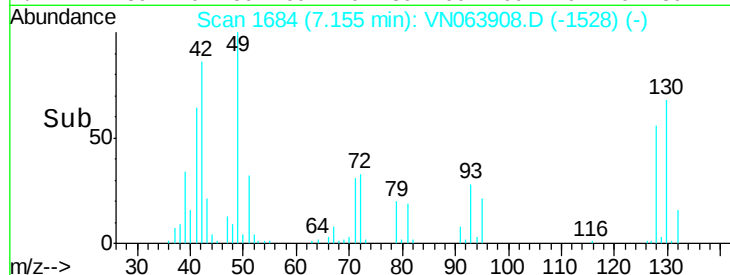
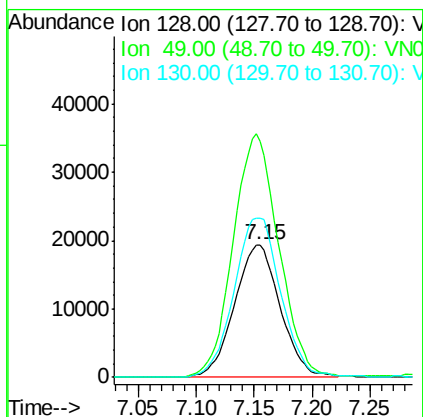
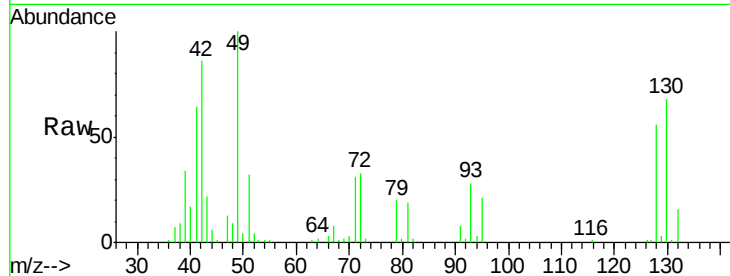
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	52961
Ion	Ratio	Lower	Upper
128	100		
49	183.6	0.0	437.5
130	123.3	0.0	327.3

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM



#2

Dichlorodifluoromethane

Concen: 19.000 ug/l

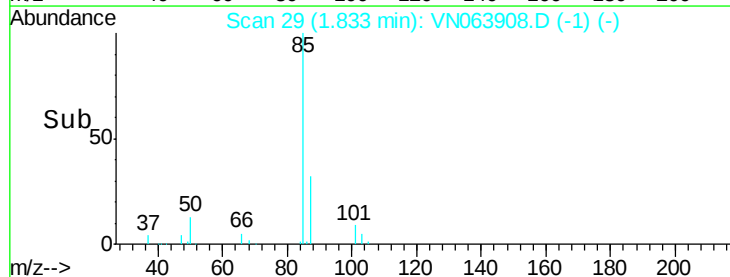
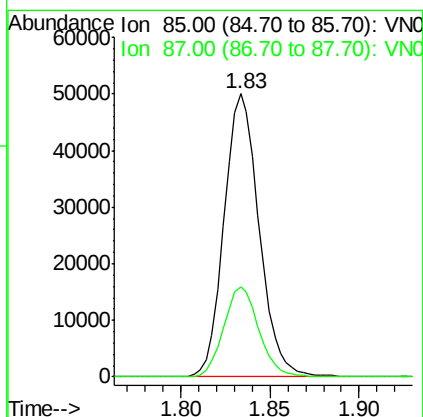
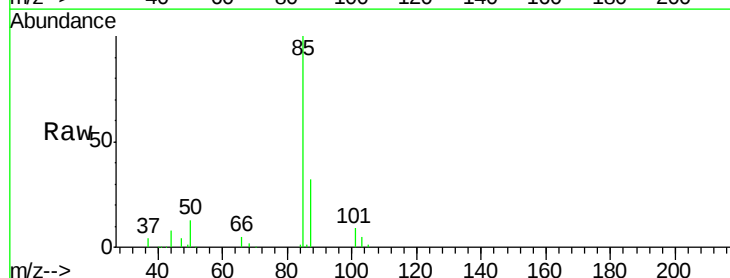
RT: 1.83 min Scan# 29

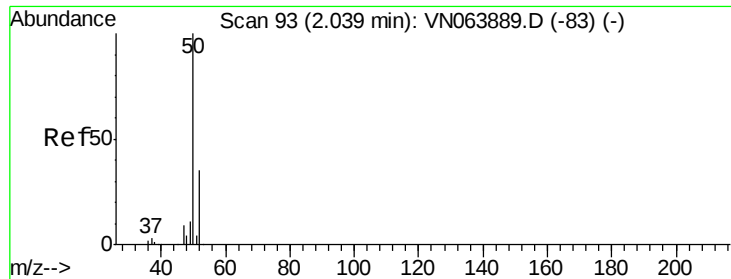
Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Tgt Ion:	85	Resp:	68106
Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.9	50.6





#3

Chloromethane

Concen: 18.166 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 67386

Ion Ratio Lower Upper

50 100

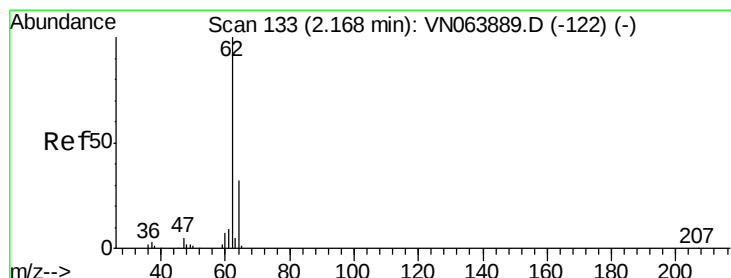
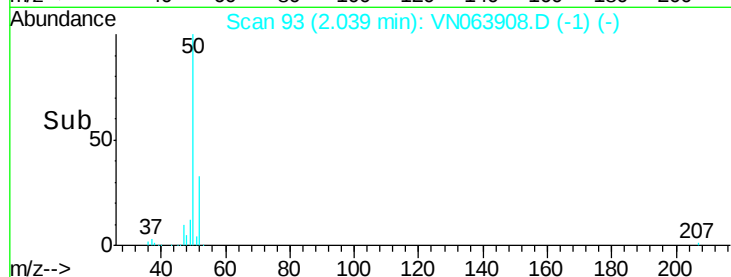
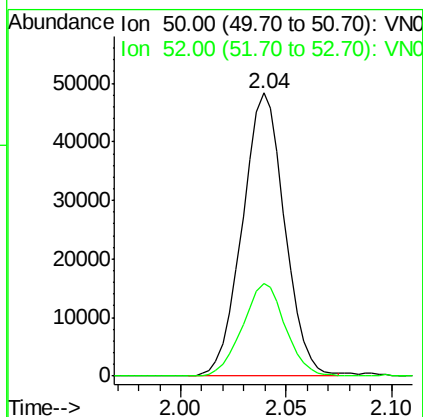
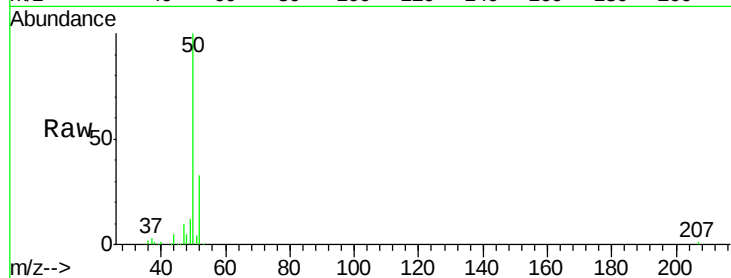
52 32.6 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



#4

Vinyl Chloride

Concen: 18.331 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.01 min

Lab File: VN063908.D

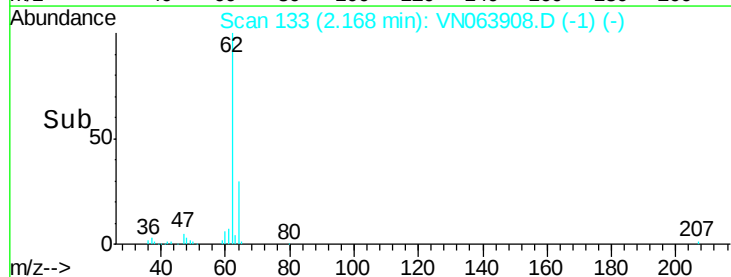
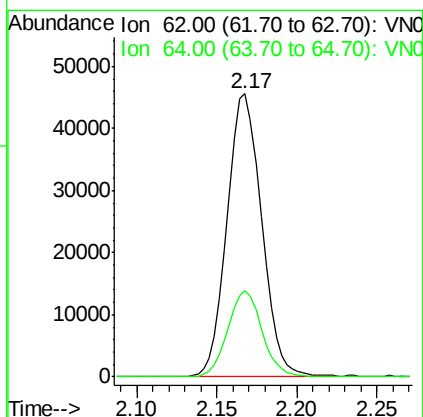
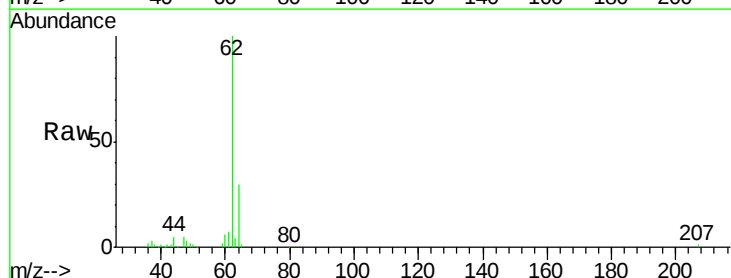
Acq: 6 Oct 2020 21:06

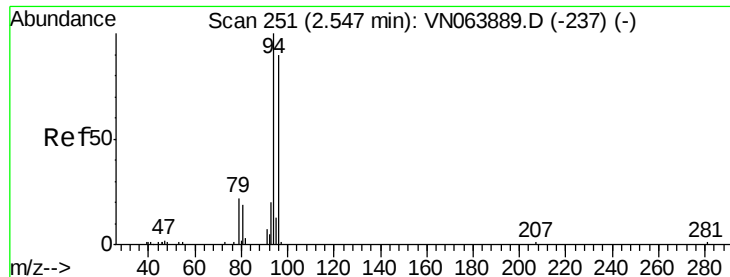
Tgt Ion: 62 Resp: 67646

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.4





#5

Bromomethane

Concen: 15.014 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 35662

Ion Ratio Lower Upper

94 100

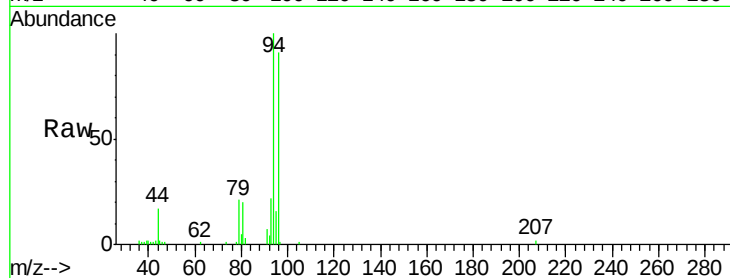
96 91.2 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

20000

15000

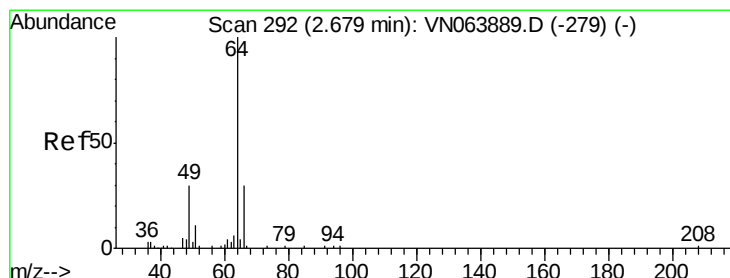
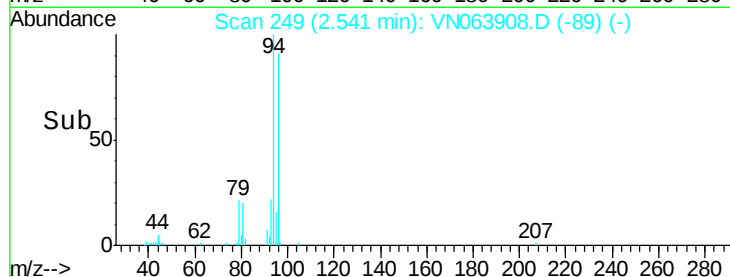
10000

5000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 17.348 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063908.D

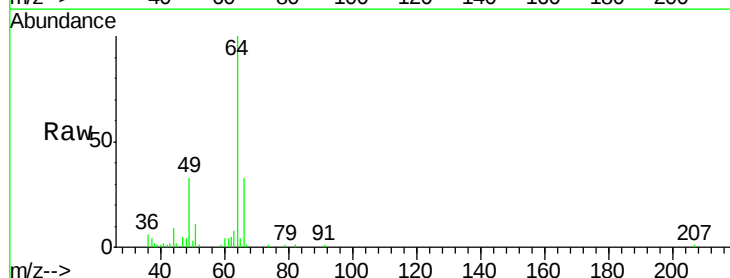
Acq: 6 Oct 2020 21:06

Tgt Ion: 64 Resp: 40161

Ion Ratio Lower Upper

64 100

66 33.4 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

20000

15000

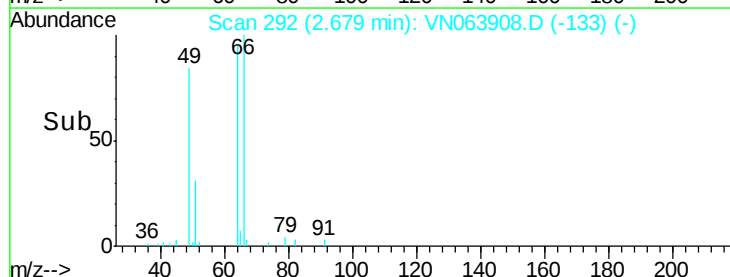
10000

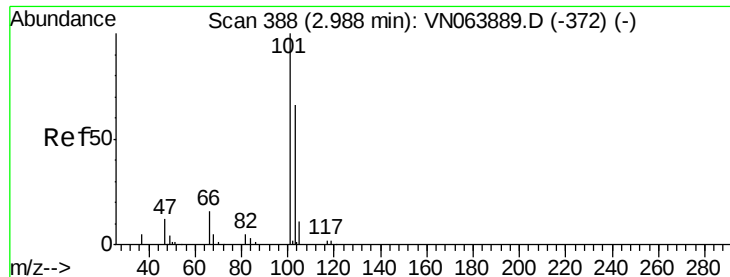
5000

0

2.60 2.65 2.70 2.75

Time-->





#7

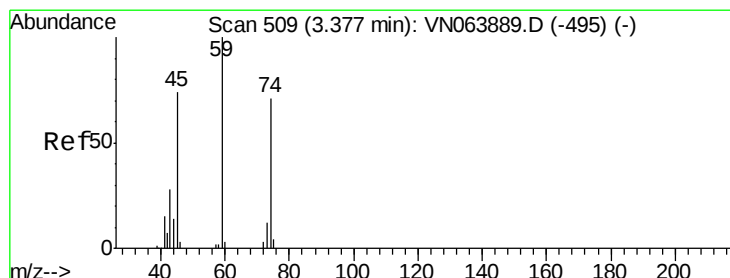
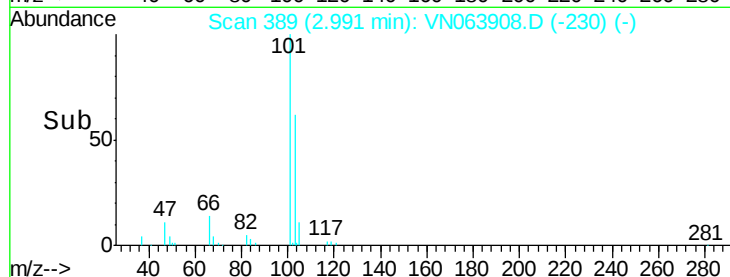
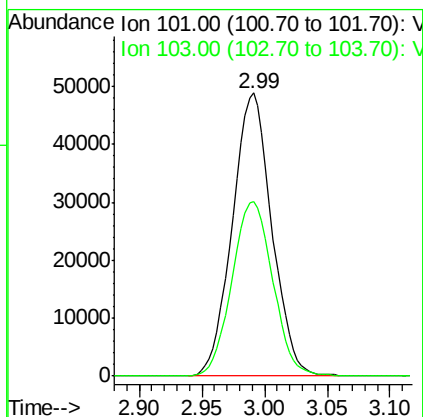
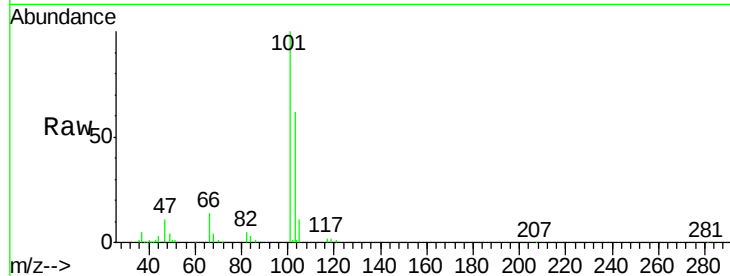
Trichlorofluoromethane
 Concen: 18.347 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		106876		
103	61.6	51.9	77.9		

Manual Integrations
 APPROVED

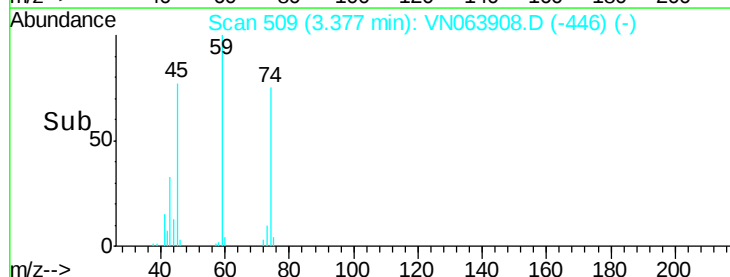
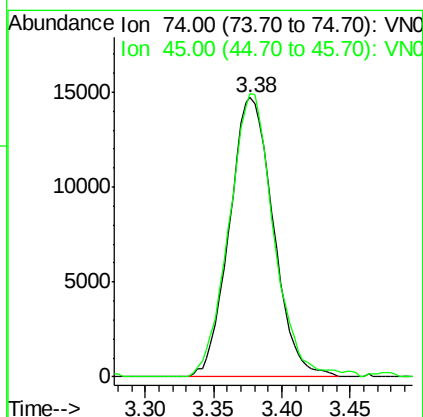
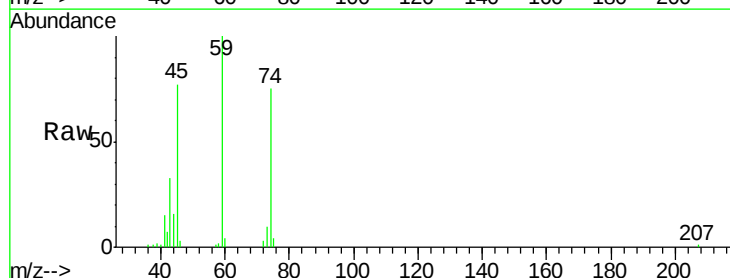
MMDadoda
 10/7/2020 12:11:57 PM

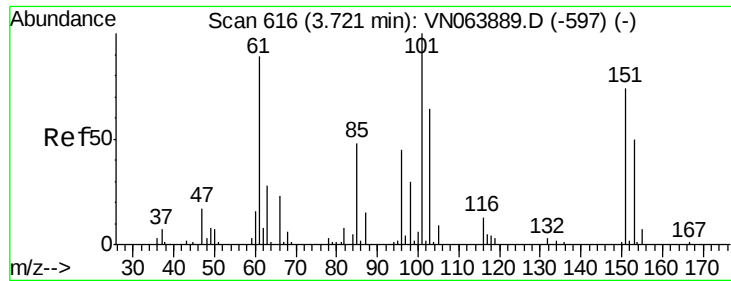


#8

Diethyl Ether
 Concen: 17.391 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		32803		
45	101.9	20.6	185.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.547 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

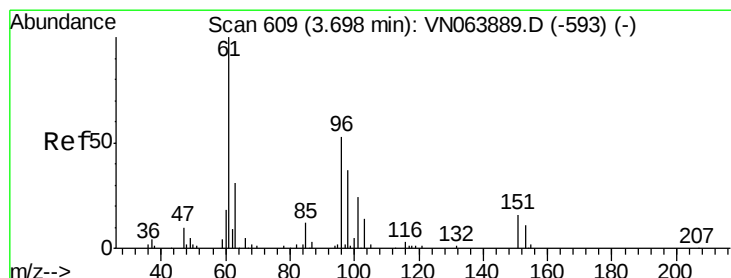
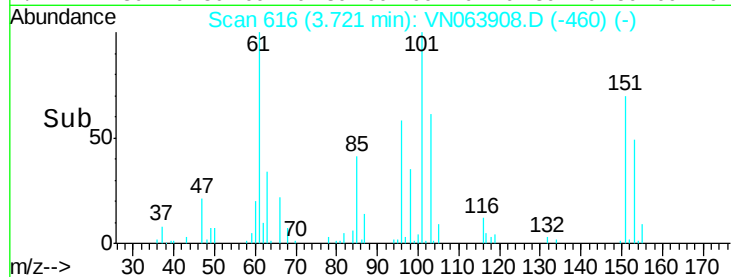
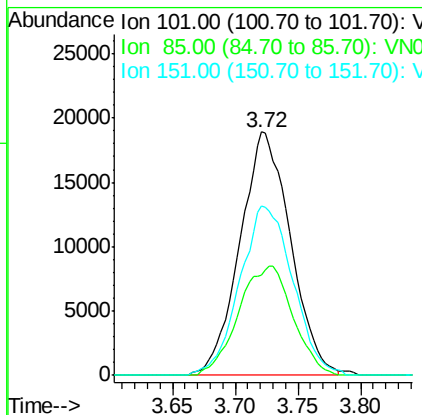
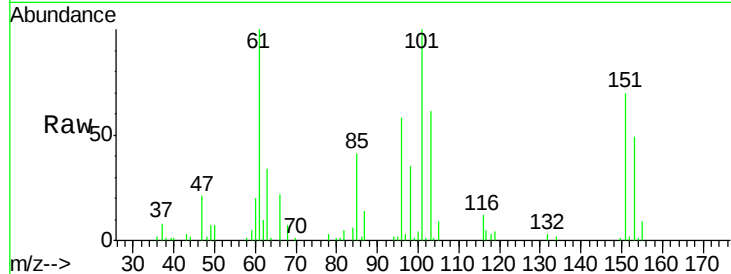
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	53114
Ion Ratio	Lower	Upper	
101	100		
85	0.0	0.0	85.0
151	73.1	0.0	161.6

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM



#10

1,1-Dichloroethene

Concen: 17.994 ug/l

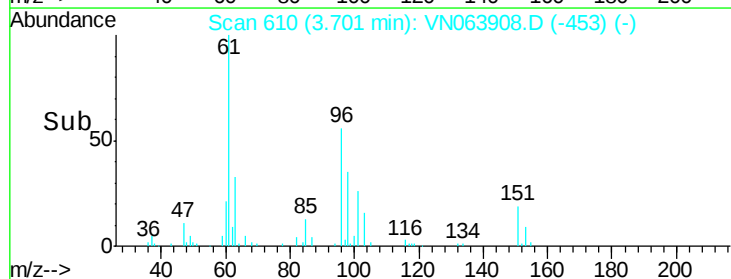
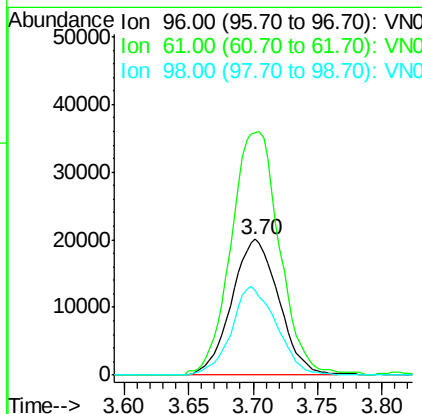
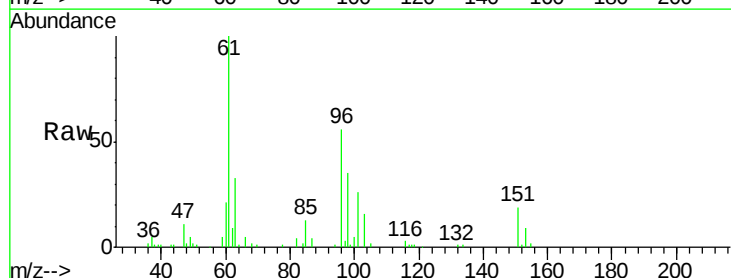
RT: 3.70 min Scan# 610

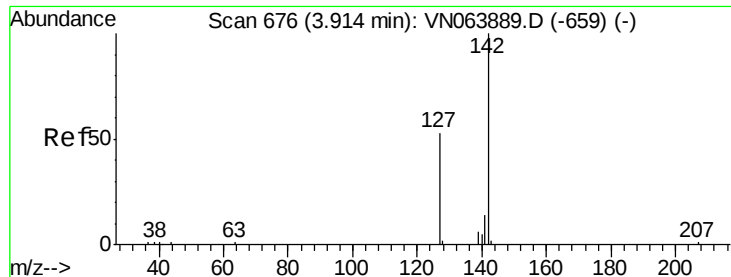
Delta R.T. 0.01 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Tgt Ion:	96	Resp:	51137
Ion Ratio	Lower	Upper	
96	100		
61	176.4	130.8	196.2
98	62.8	49.0	73.4





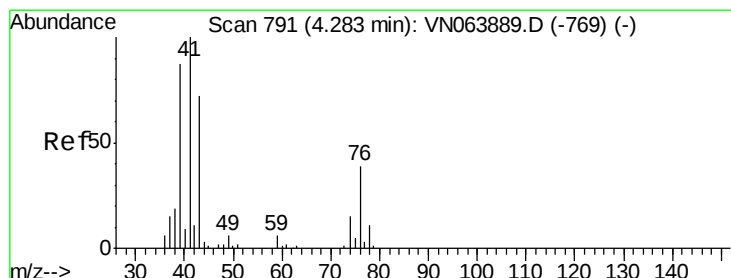
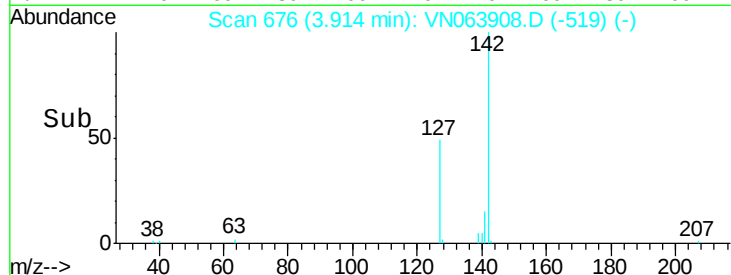
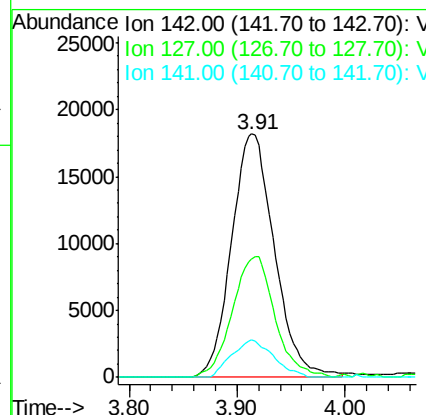
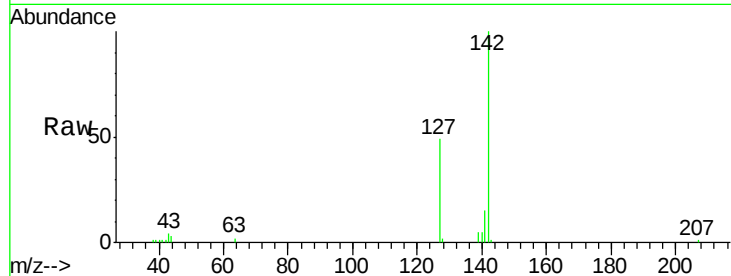
#11
Methyl Iodide
Concen: 13.900 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.5	20.9	62.8
141	15.3	6.7	20.1

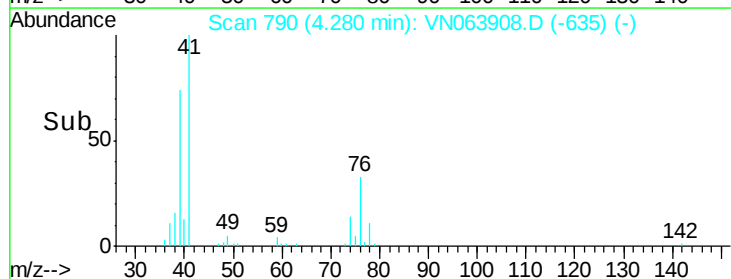
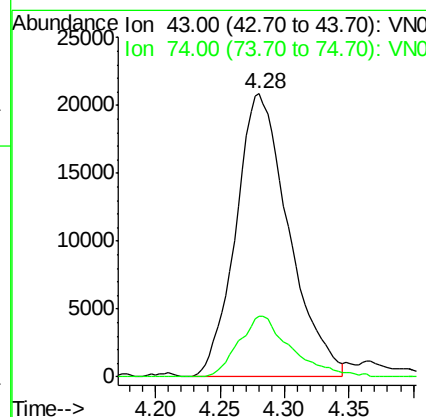
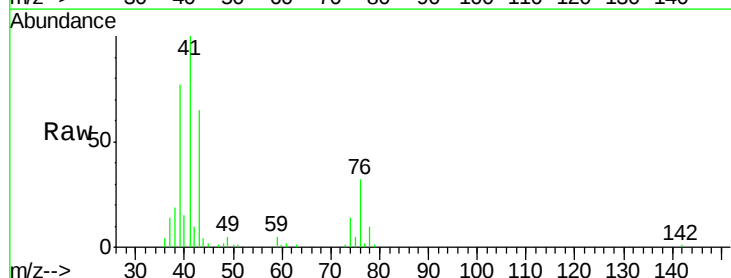
Manual Integrations
APPROVED

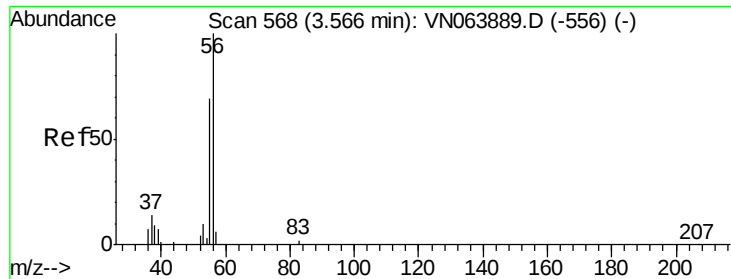
MMDadoda
10/7/2020 12:11:57 PM



#12
Methyl Acetate
Concen: 17.060 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	18.6	27.8





#13

Acrolein

Concen: 103.075 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 35091

Ion Ratio Lower Upper

56 100

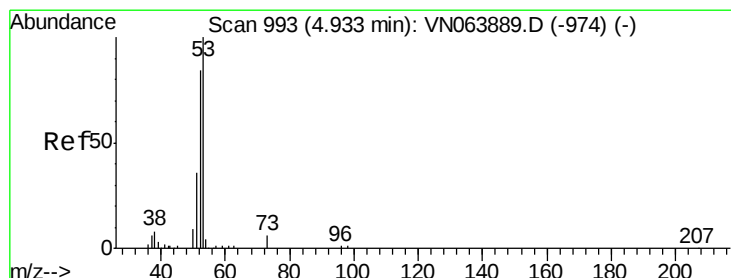
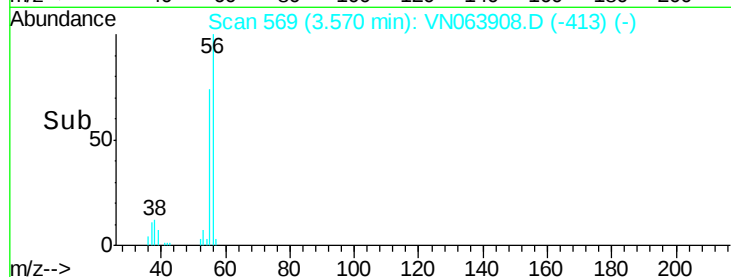
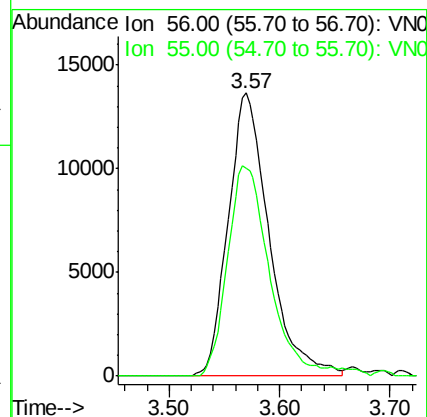
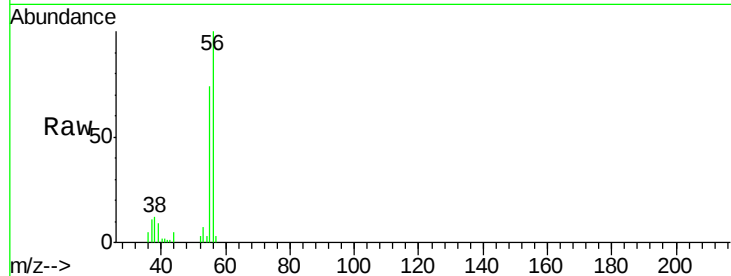
55 75.2 58.7 88.1

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



#14

Acrylonitrile

Concen: 78.573 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

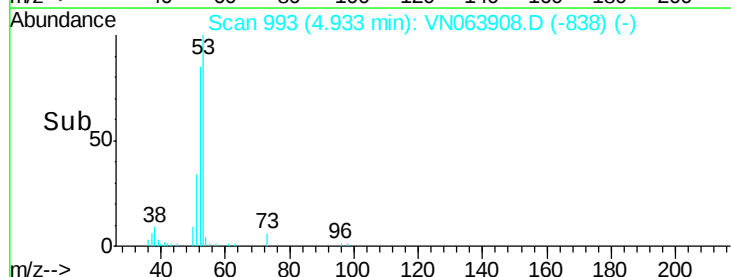
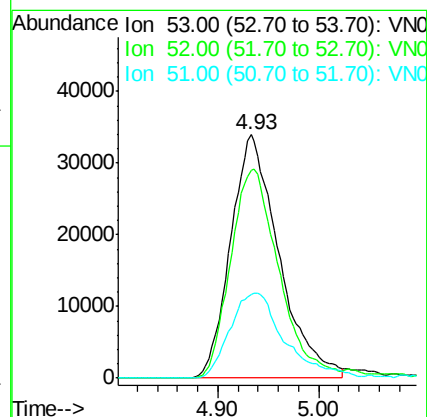
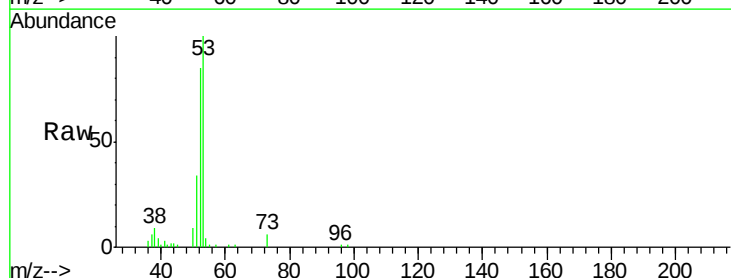
Tgt Ion: 53 Resp: 112992

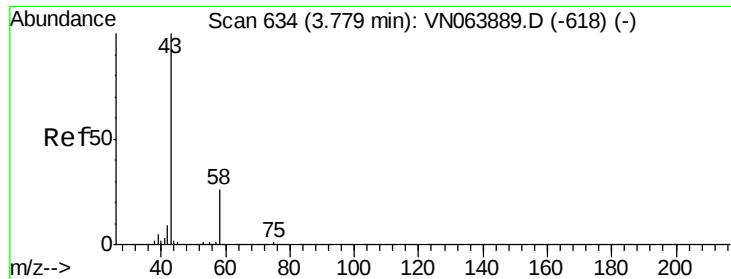
Ion Ratio Lower Upper

53 100

52 85.7 39.9 119.7

51 39.4 17.0 51.0





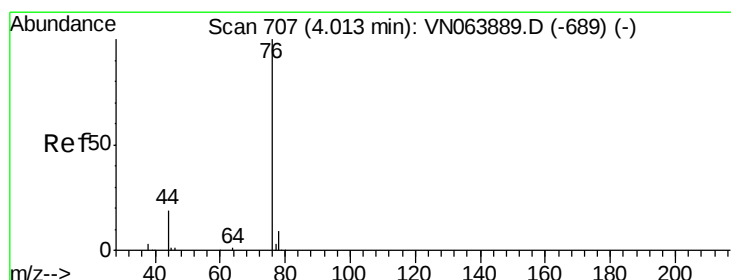
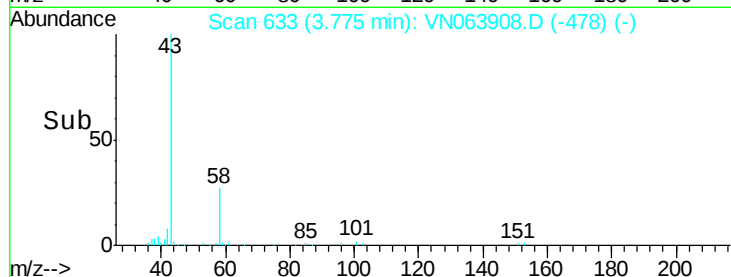
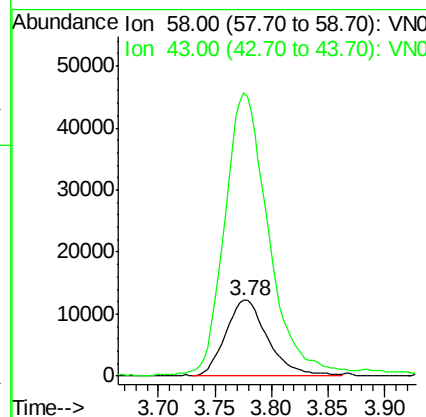
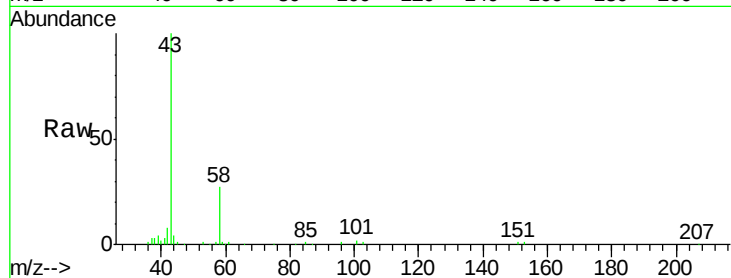
#15
Acetone
Concen: 77.119 ug/l
RT: 3.78 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 32102
Ion Ratio Lower Upper
58 100
43 366.5 233.2 349.8#

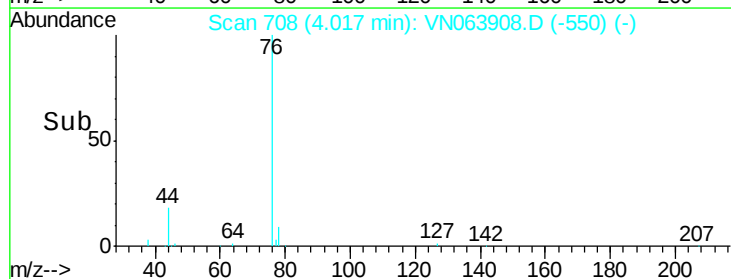
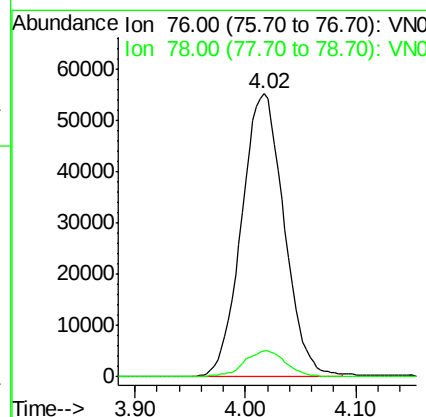
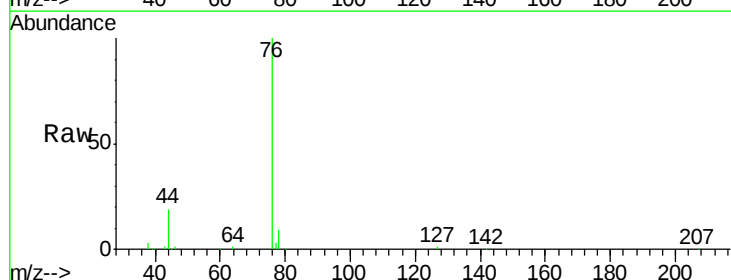
Manual Integrations
APPROVED

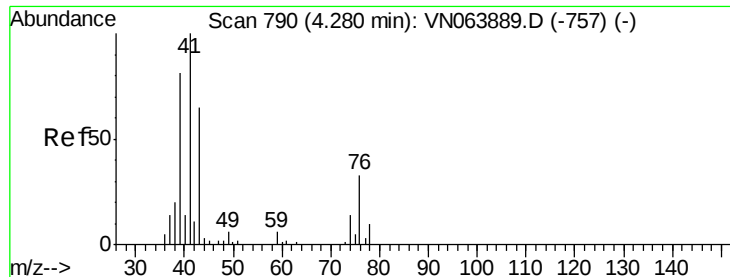
MMDadoda
10/7/2020 12:11:57 PM



#16
Carbon Disulfide
Concen: 17.517 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 76 Resp: 147636
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4





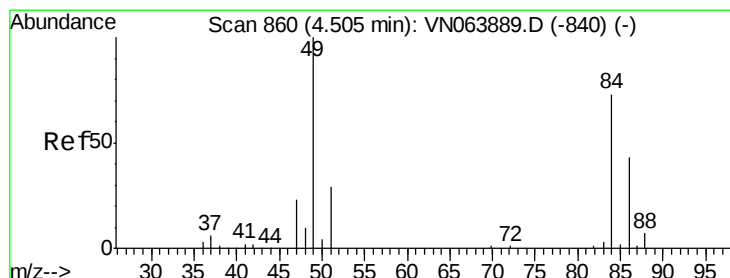
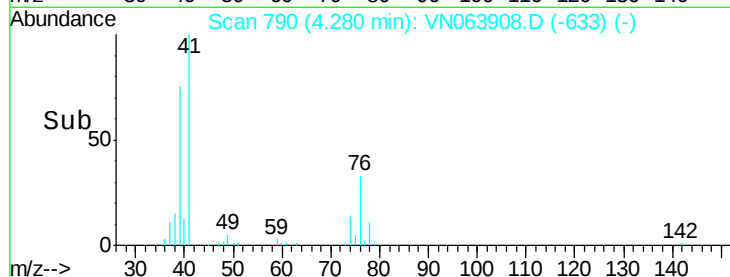
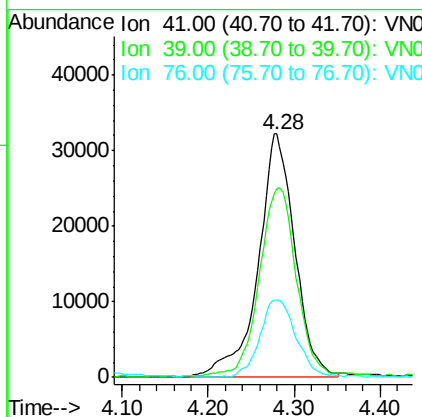
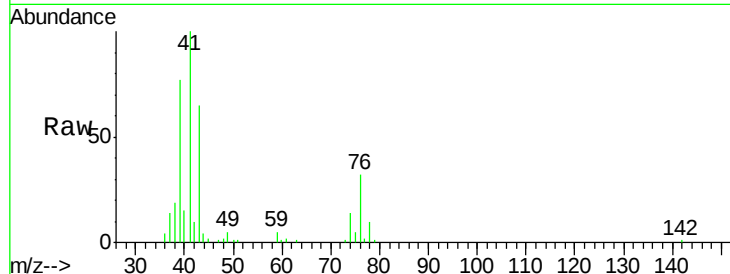
#17
Allvl chloride
Concen: 18.074 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.9	33.8	101.4
76	31.2	19.4	58.4

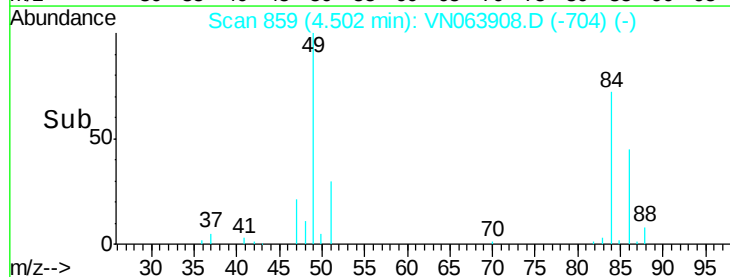
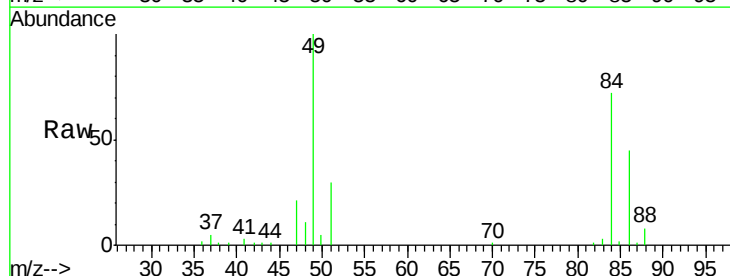
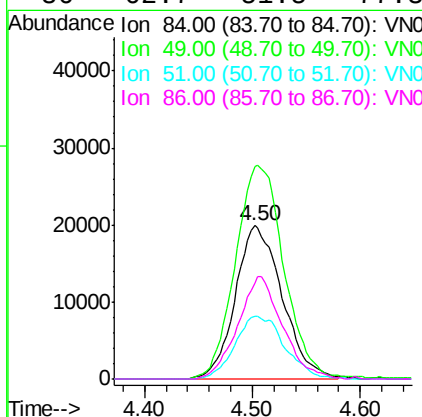
Manual Integrations
APPROVED

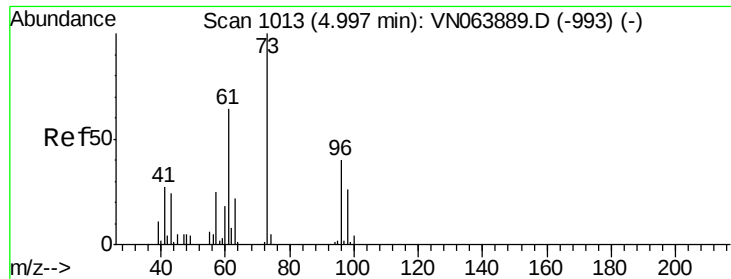
MMDadoda
10/7/2020 12:11:57 PM



#18
Methylene Chloride
Concen: 17.688 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.4	97.8	146.8
51	41.3	30.7	46.1
86	62.7	51.5	77.3





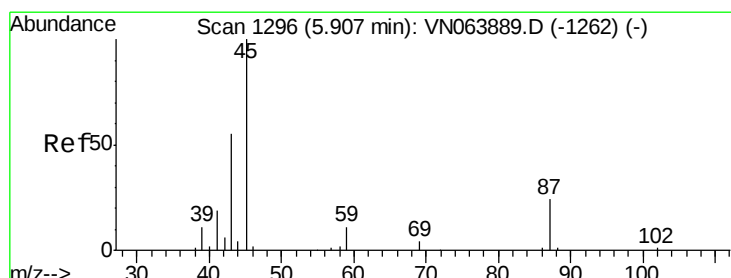
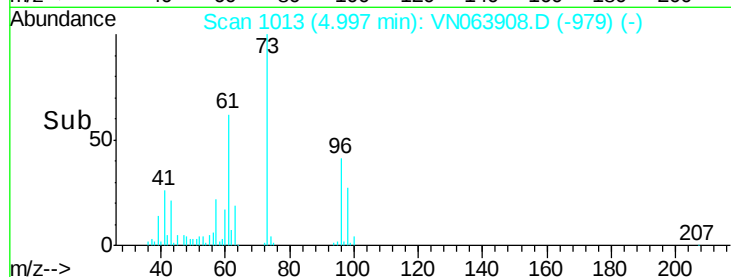
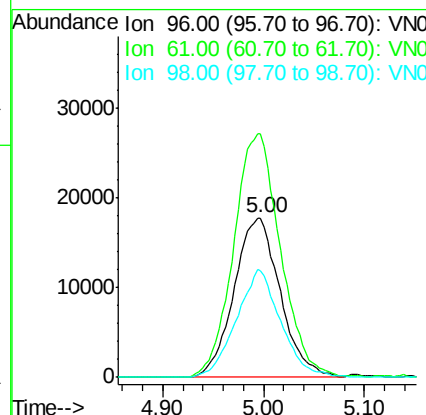
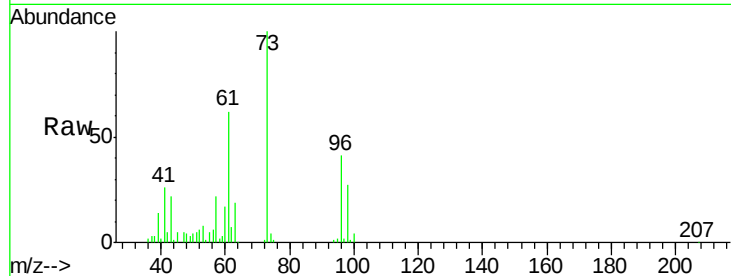
#19
trans-1,2-Dichloroethene
Concen: 17.540 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	115.9	173.9
98	67.3	53.3	79.9

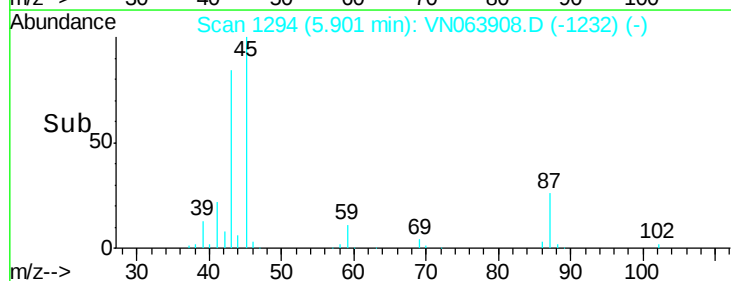
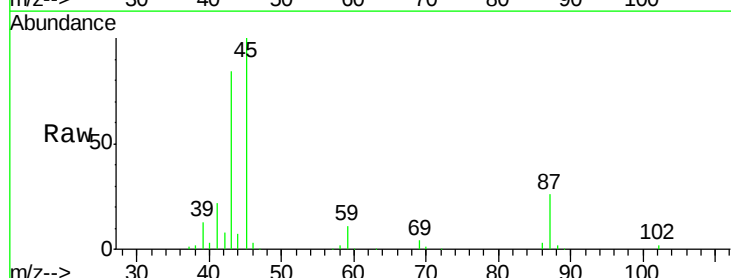
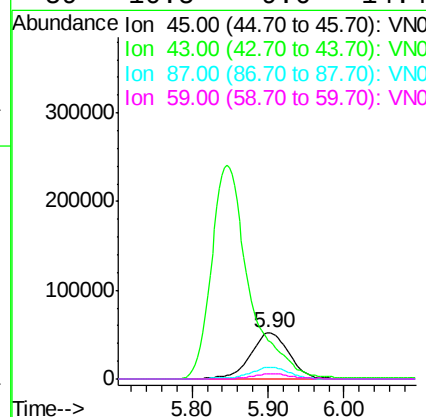
Manual Integrations
APPROVED

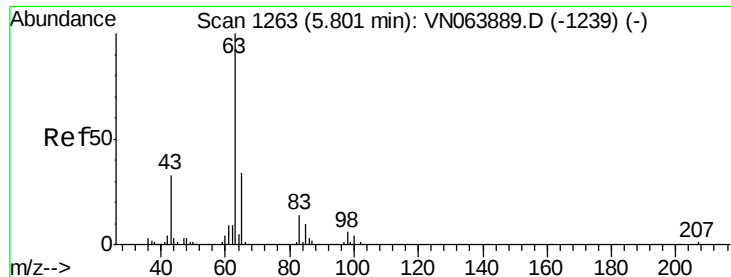
MMDadoda
10/7/2020 12:11:57 PM



#20
Diisopropyl ether
Concen: 17.293 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	79.5	51.8	77.6#
87	25.6	21.8	32.6
59	10.5	9.6	14.4





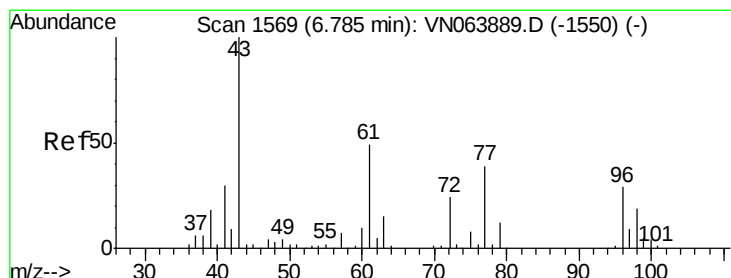
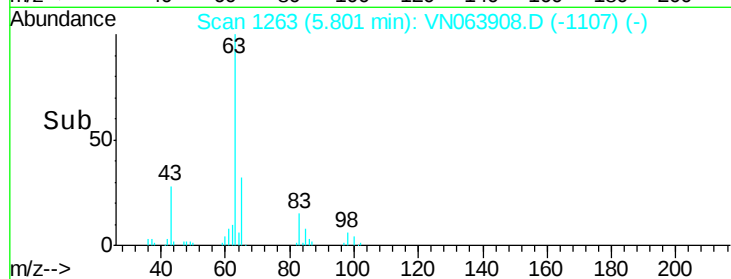
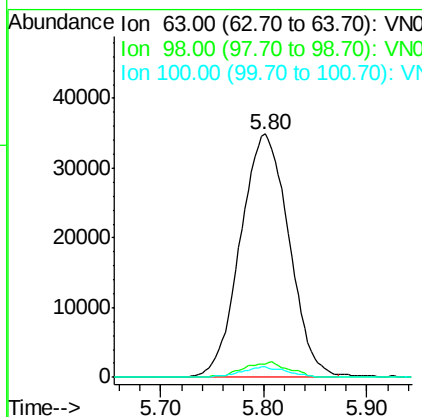
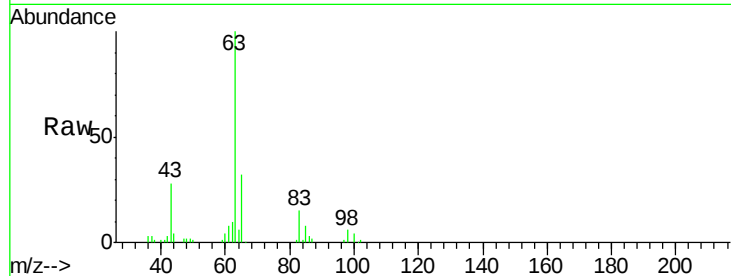
#21
 1,1-Dichloroethane
 Concen: 17.742 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.7	3.1	9.3	
100	4.2	1.8	5.3	

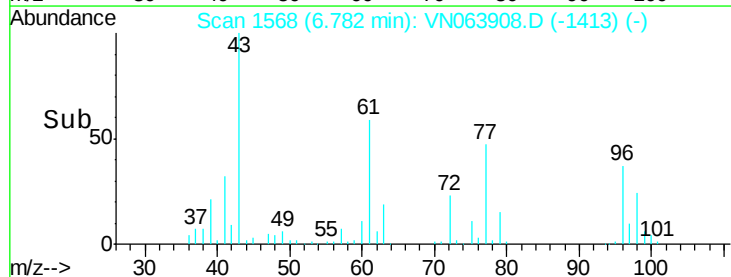
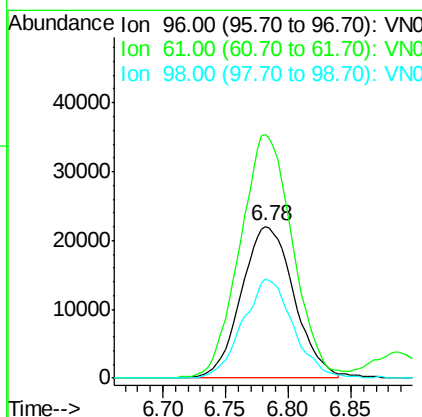
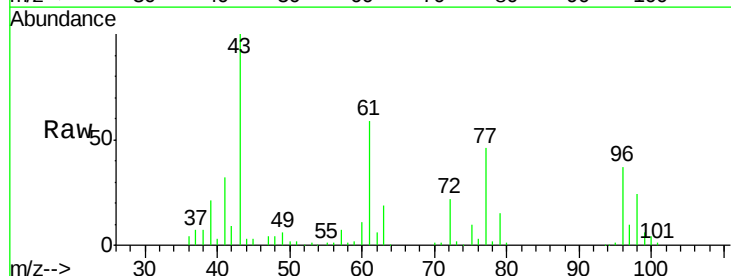
Manual Integrations
 APPROVED

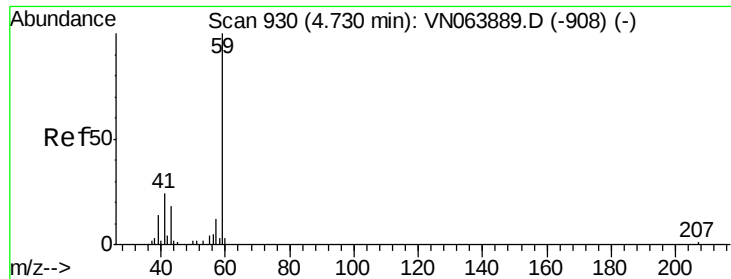
MMDadoda
 10/7/2020 12:11:57 PM



#22
 cis-1,2-Dichloroethene
 Concen: 17.666 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	158.8	120.9	181.3	
98	62.4	50.3	75.5	





#23

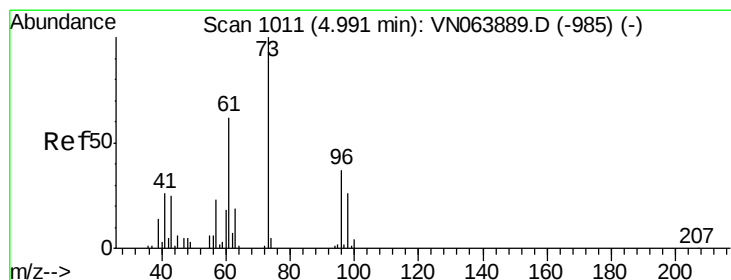
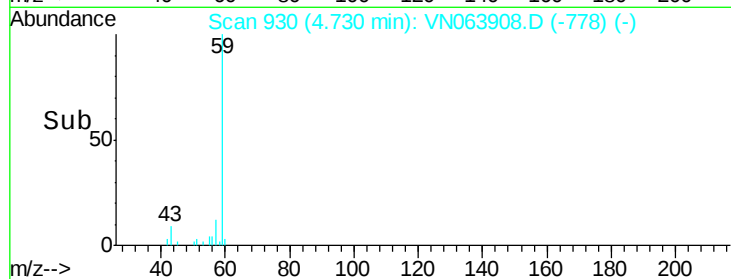
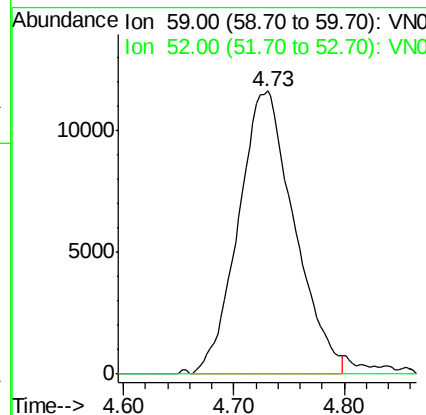
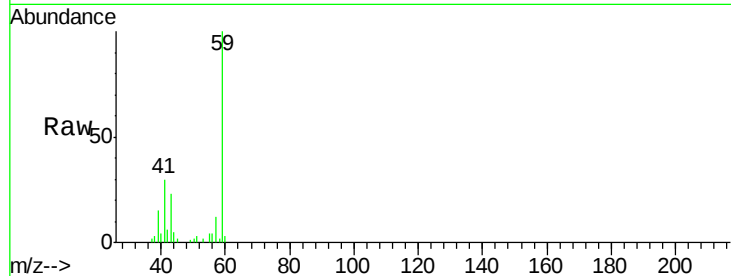
tert-Butyl Alcohol
 Concen: 66.222 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

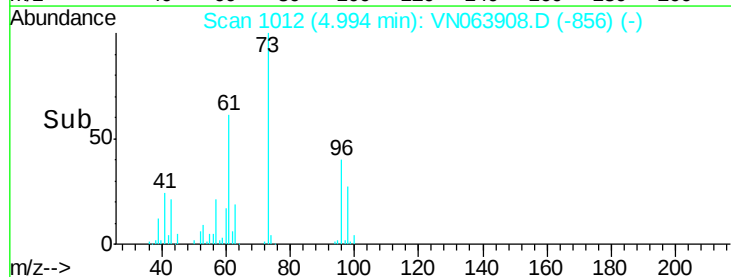
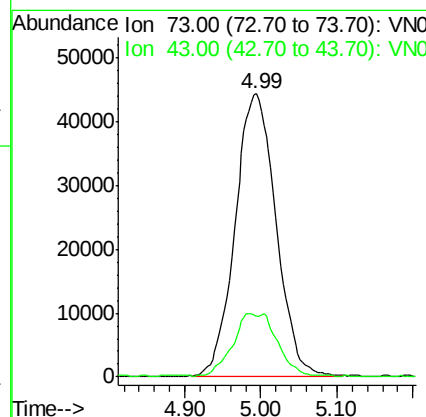
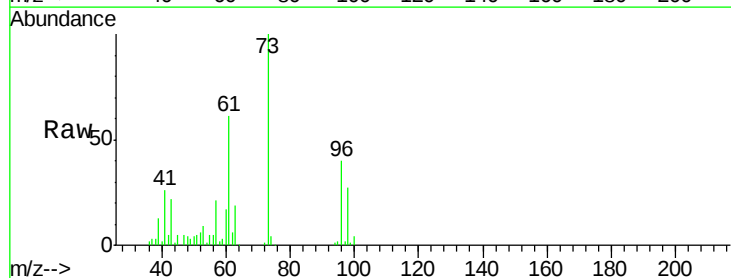
MMDadoda
 10/7/2020 12:11:57 PM

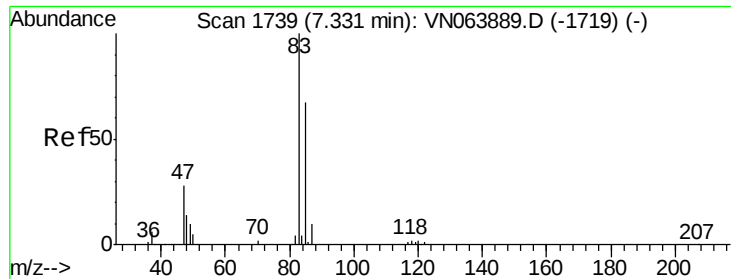


#24

Methyl tert-Butyl Ether
 Concen: 17.437 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
73	100		
43	13.4	15.8	23.6#





#25

Chloroform

Concen: 17.447 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 117758

Ion Ratio Lower Upper

83 100

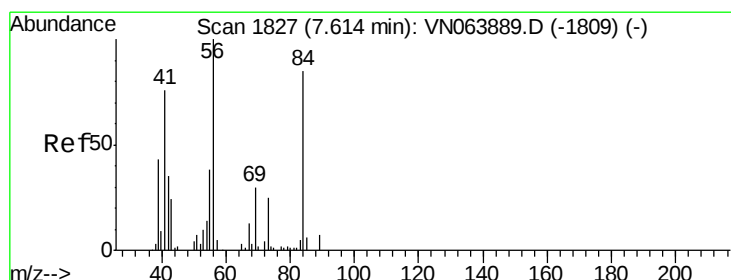
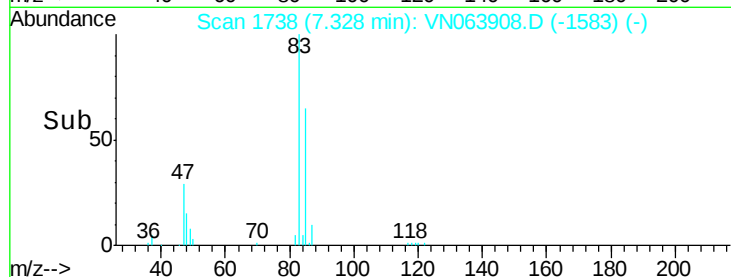
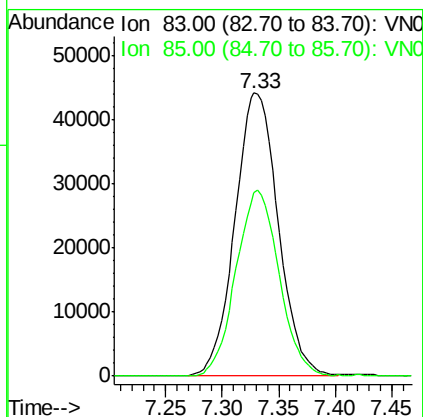
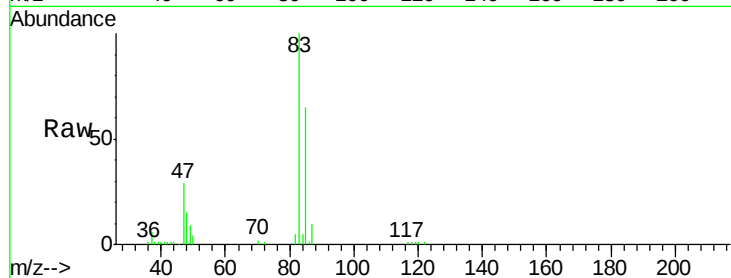
85 65.0 51.0 76.4

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



#26

Cyclohexane

Concen: 17.582 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

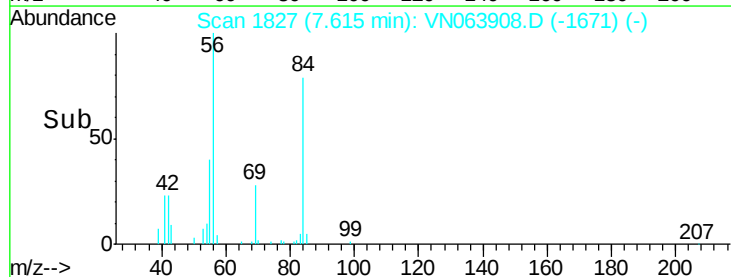
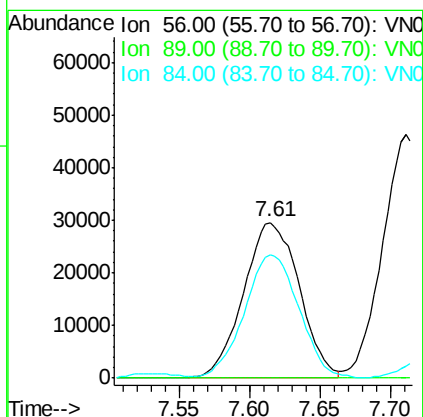
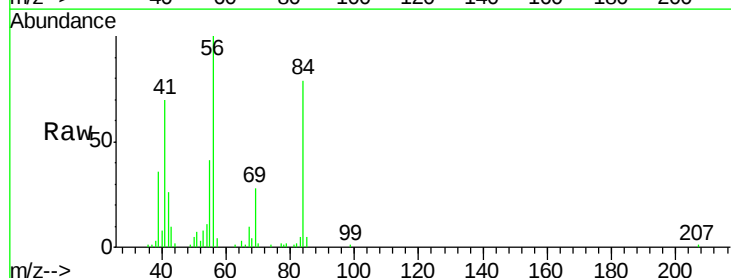
Tgt Ion: 56 Resp: 81520

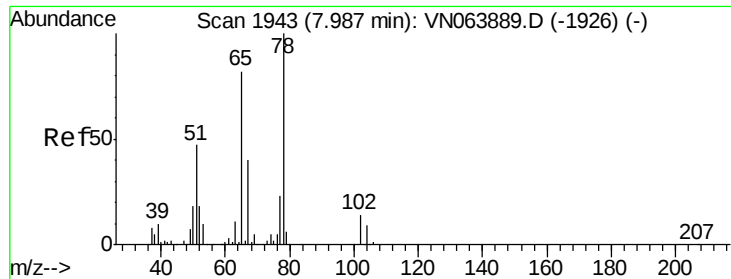
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 77.8 65.0 97.4





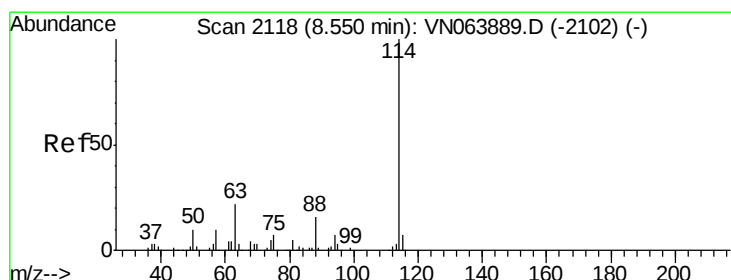
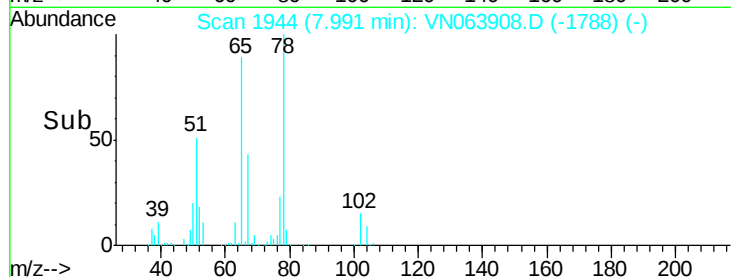
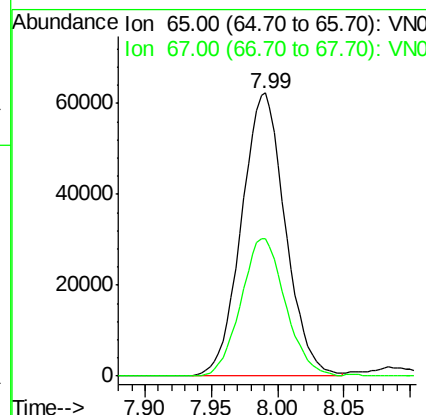
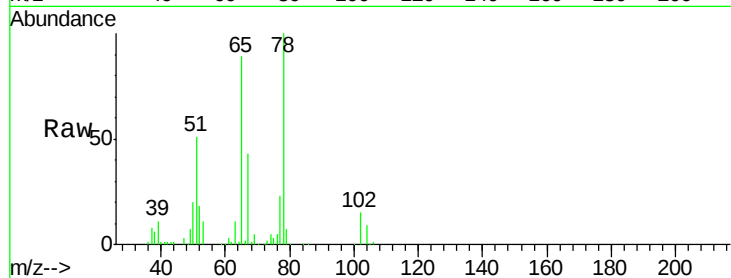
#27
 1,2-Dichloroethane-d4
 Concen: 30.059 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 142972
 Ion Ratio Lower Upper
 65 100
 67 49.3 43.8 65.6

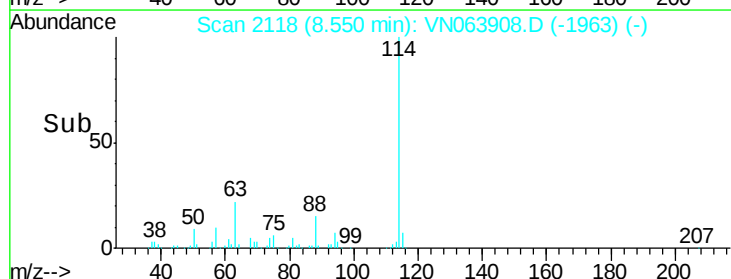
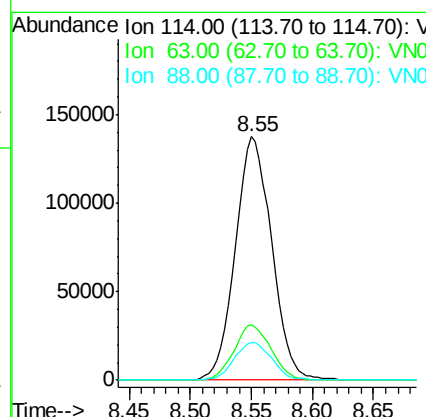
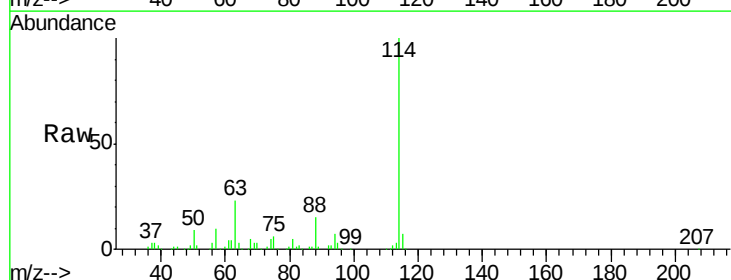
Manual Integrations
 APPROVED

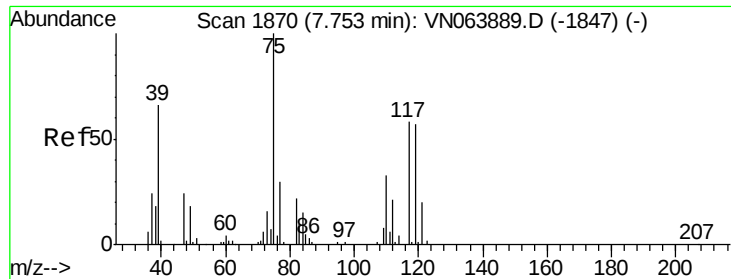
MMDadoda
 10/7/2020 12:11:57 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion: 114 Resp: 284836
 Ion Ratio Lower Upper
 114 100
 63 23.1 17.0 25.6
 88 15.9 12.6 18.8





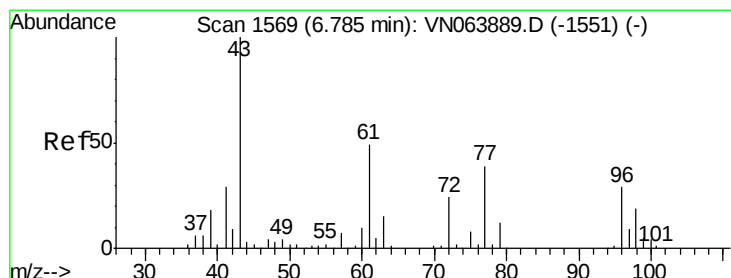
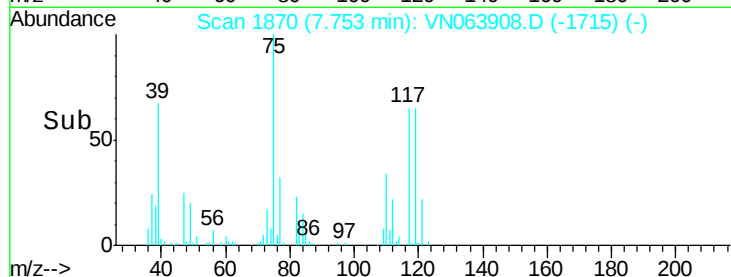
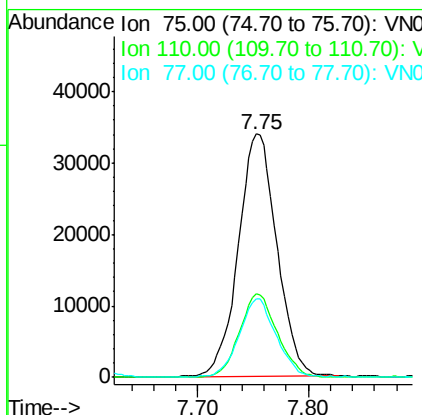
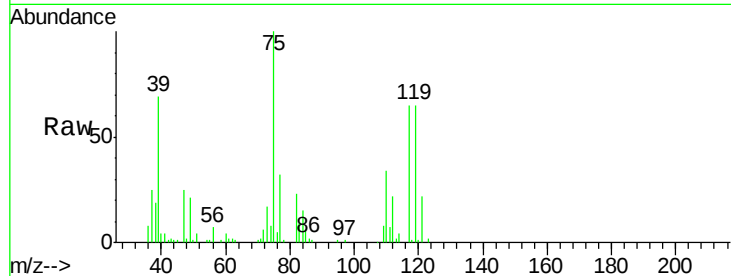
#29
 1,1-Dichloropropene
 Concen: 16.474 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.6	0.0	70.6
77	29.6	0.0	60.2

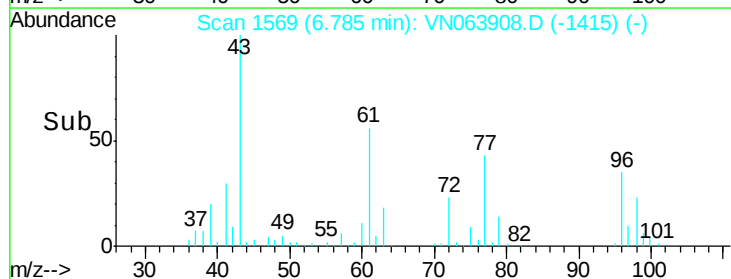
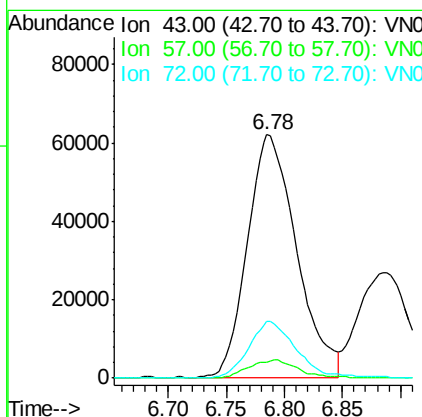
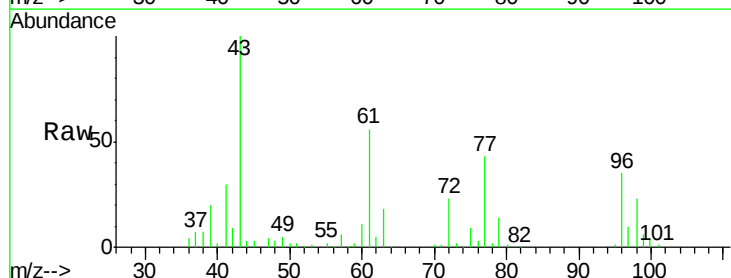
Manual Integrations
 APPROVED

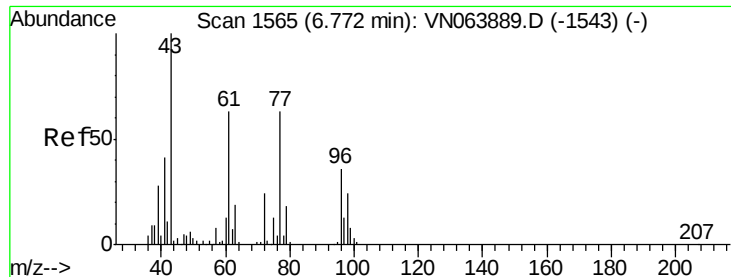
MMDadoda
 10/7/2020 12:11:57 PM



#30
 2-Butanone
 Concen: 74.394 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.1	6.6	9.8#
72	22.7	21.3	31.9





#31

2,2-Dichloropropane

Concen: 15.200 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 90614

Ion Ratio Lower Upper

77 100

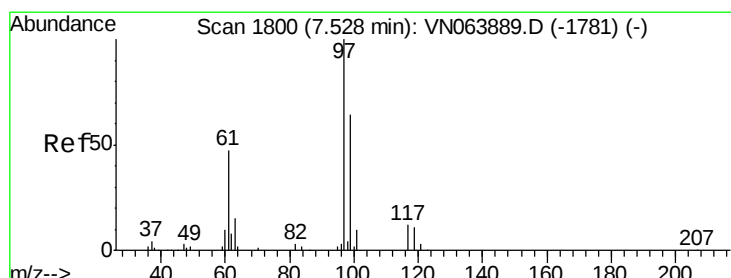
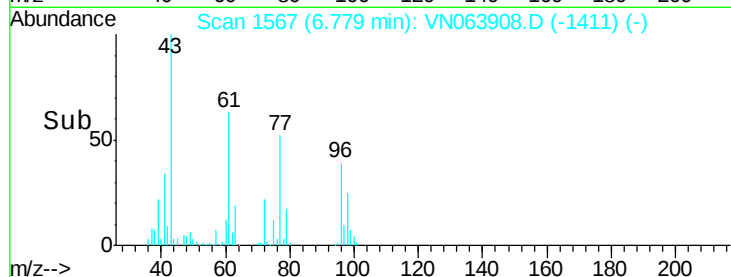
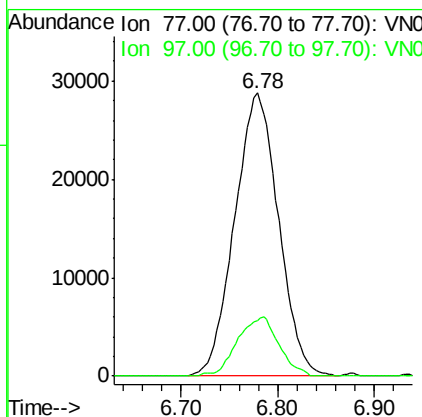
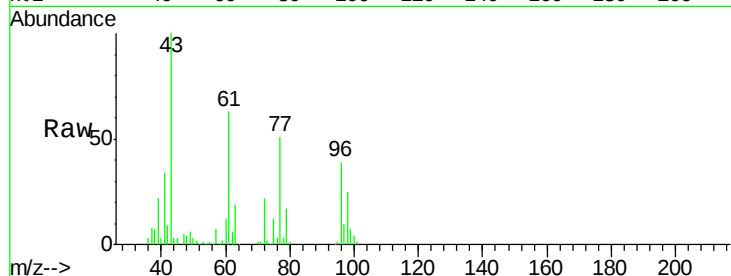
97 19.8 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



#32

1,1,1-Trichloroethane

Concen: 17.067 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

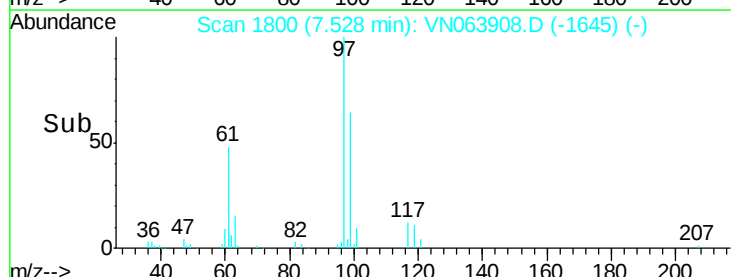
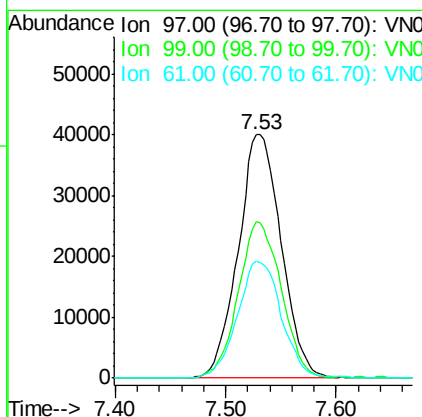
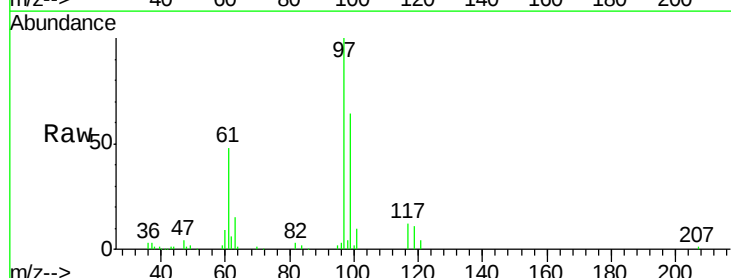
Tgt Ion: 97 Resp: 108607

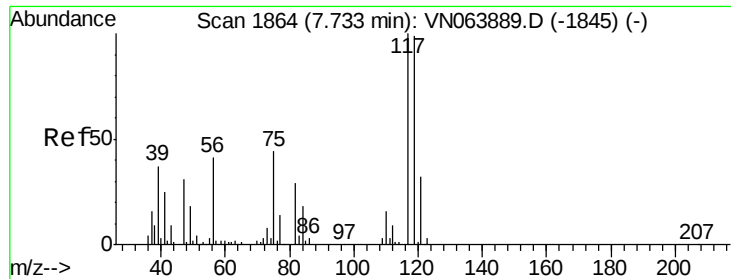
Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

61 48.7 35.3 52.9





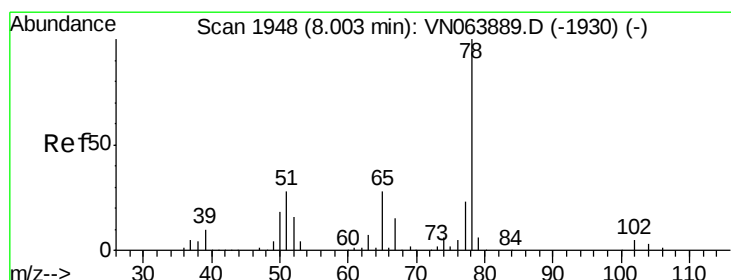
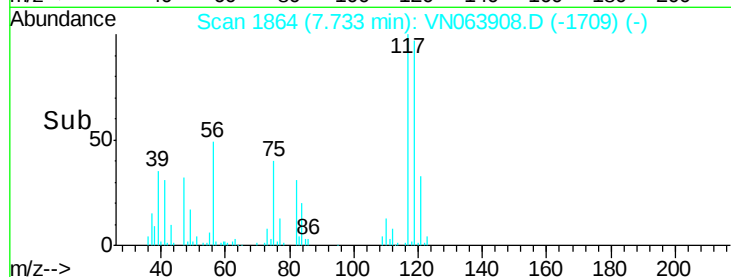
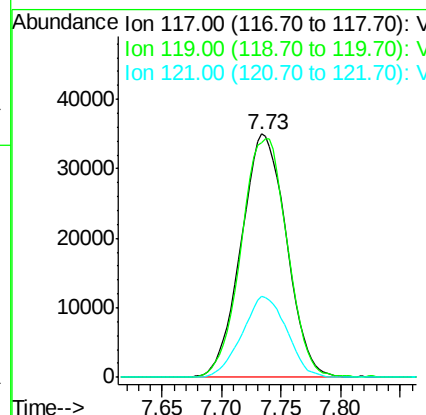
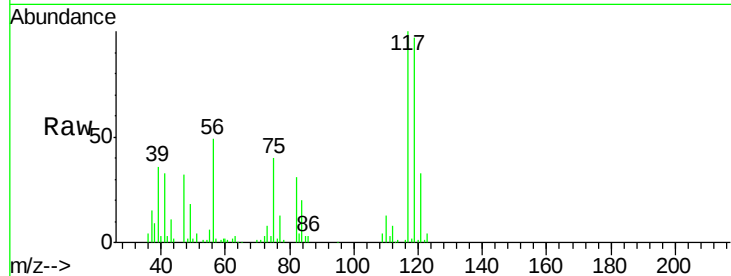
#33
Carbon Tetrachloride
Concen: 16.575 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.0	109.4
121	33.4	24.9	37.3

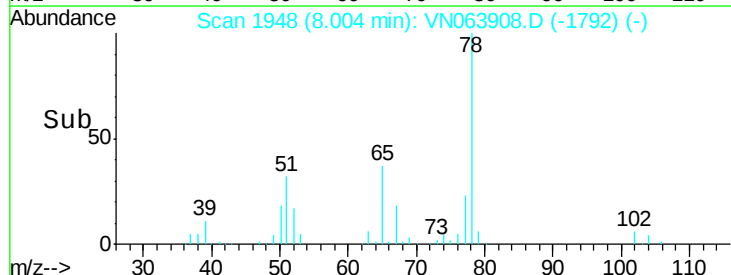
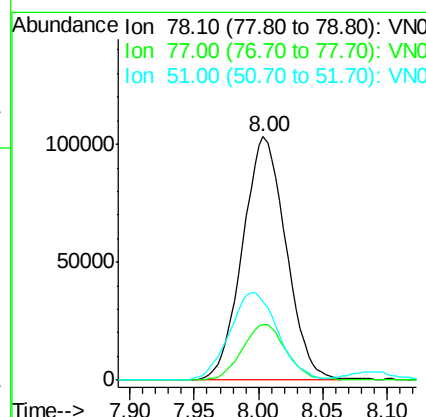
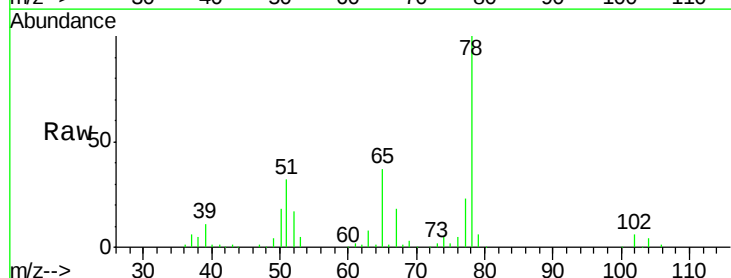
Manual Integrations
APPROVED

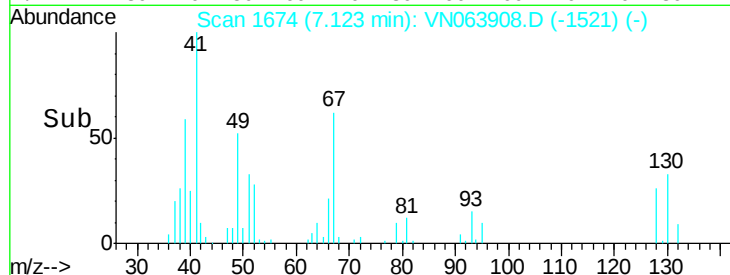
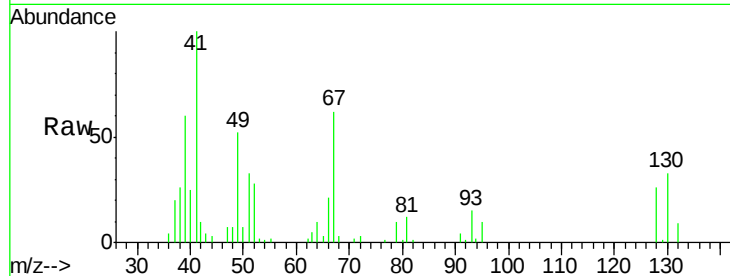
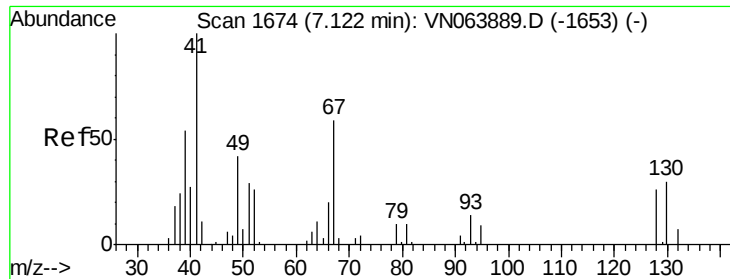
MMDadoda
10/7/2020 12:11:57 PM



#34
Benzene
Concen: 17.119 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	27.8
51	31.6	22.2	33.2





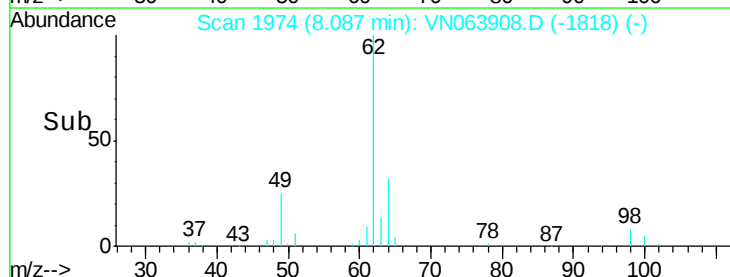
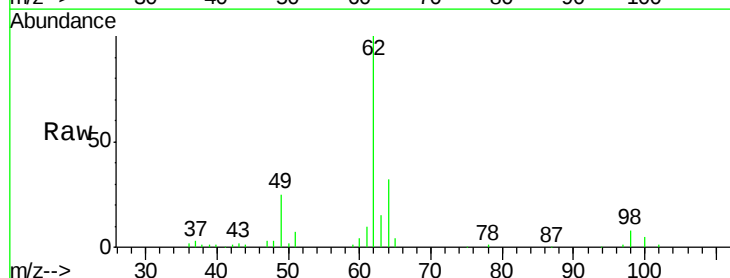
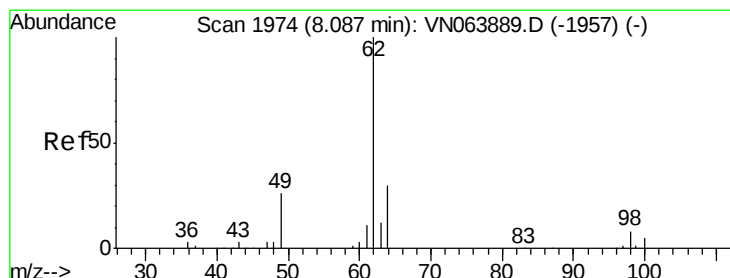
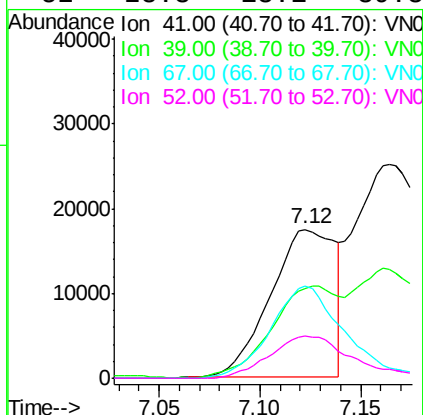
#35
Methacrylonitrile
Concen: 16.575 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tot Ion	41	Resp	38542
Ion Ratio	Lower	Upper	
41	100		
39	60.5	23.7	71.1
67	62.9	31.6	94.7
52	28.3	13.1	39.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

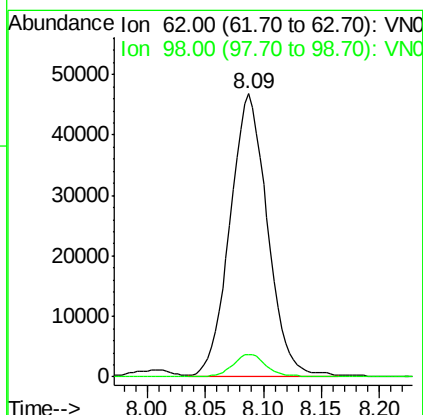
Manual Integrations
APPROVED

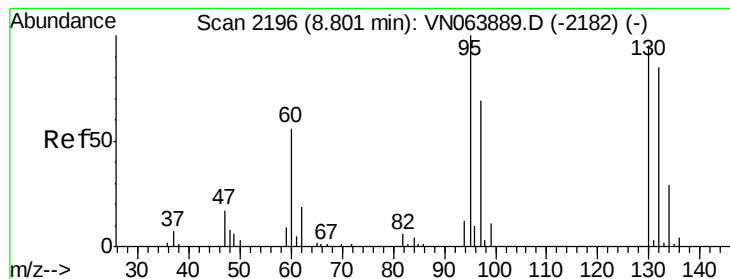
MMDadoda
10/7/2020 12:11:57 PM



#36
1,2-Dichloroethane
Concen: 16.984 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	62	Resp	105829
Ion Ratio	Lower	Upper	
62	100		
98	7.0	7.6	11.4#





#37

Trichloroethene

Concen: 17.405 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 64676

Ion Ratio Lower Upper

130 100

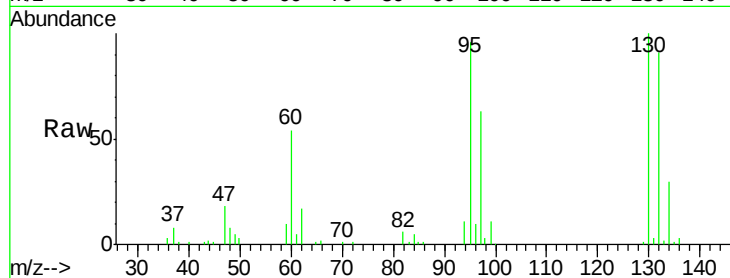
95 95.9 78.9 118.3

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

30000

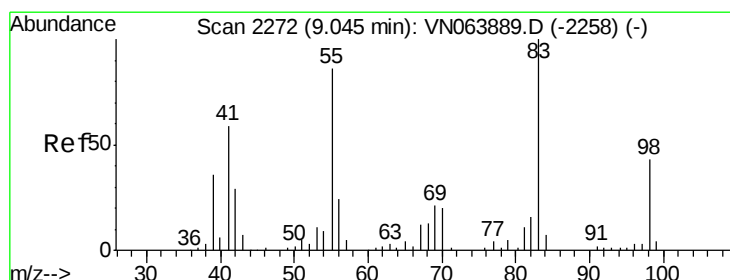
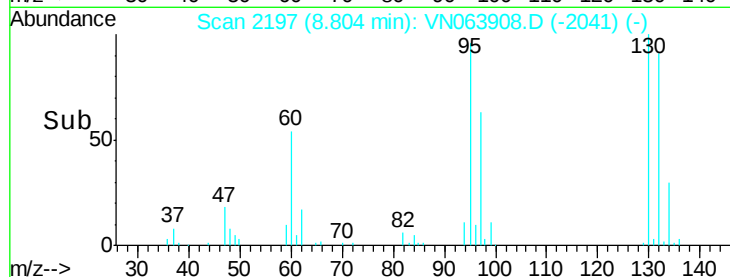
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 16.686 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

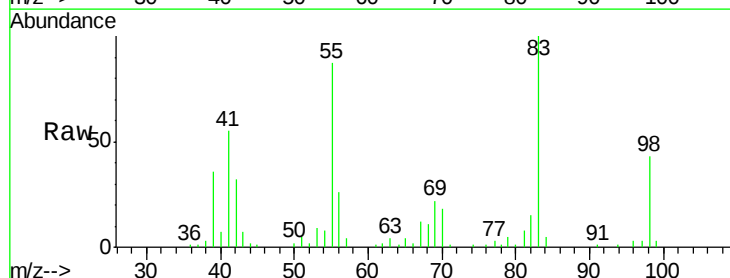
Tgt Ion: 83 Resp: 70275

Ion Ratio Lower Upper

83 100

55 84.3 41.9 125.7

98 42.7 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

40000

30000

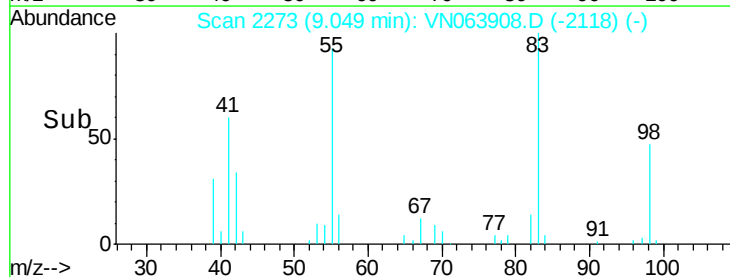
20000

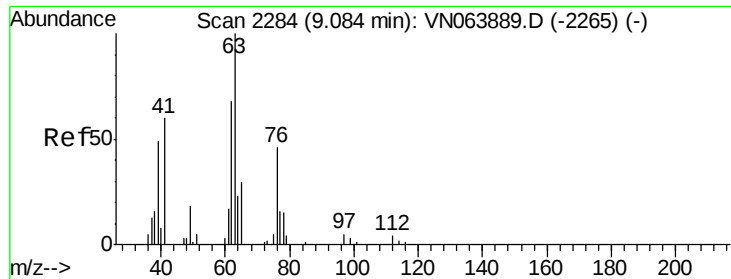
10000

0

8.95 9.00 9.05 9.10 9.15

Time-->





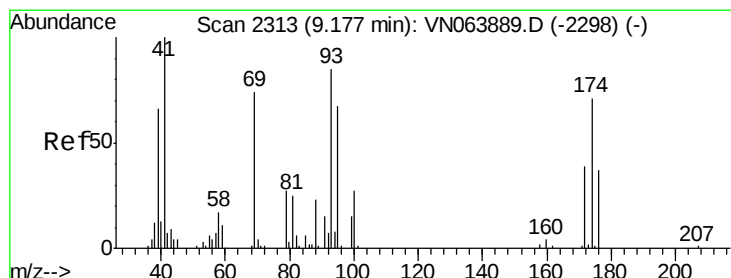
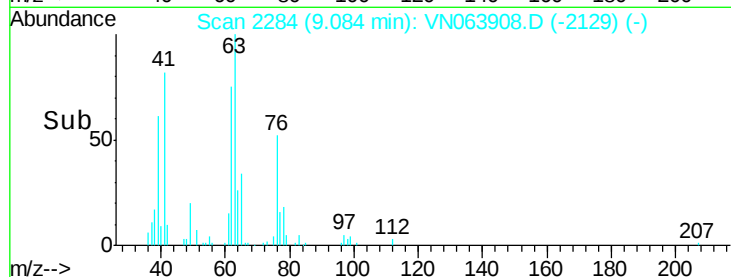
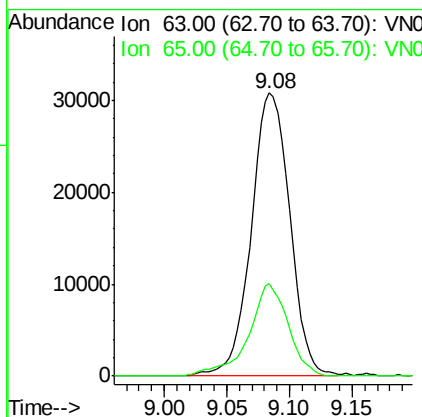
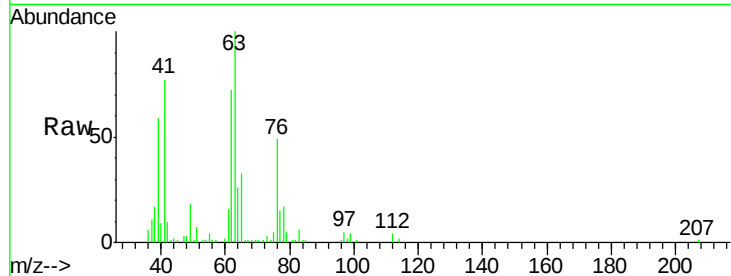
#39
 1,2-Dichloropropane
 Concen: 17.166 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 66151
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.1 37.7

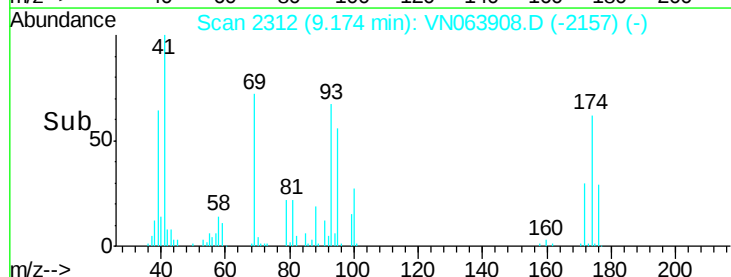
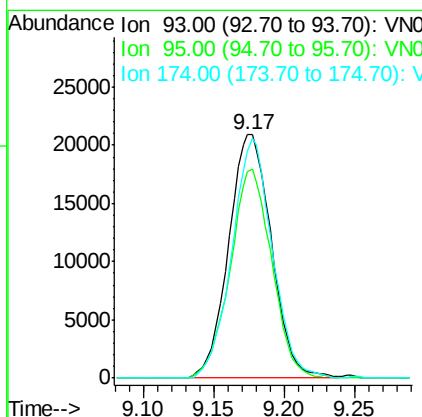
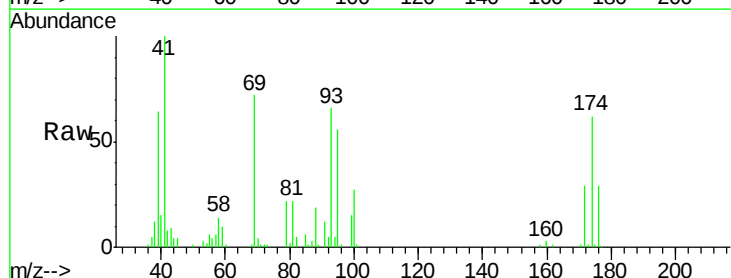
Manual Integrations
 APPROVED

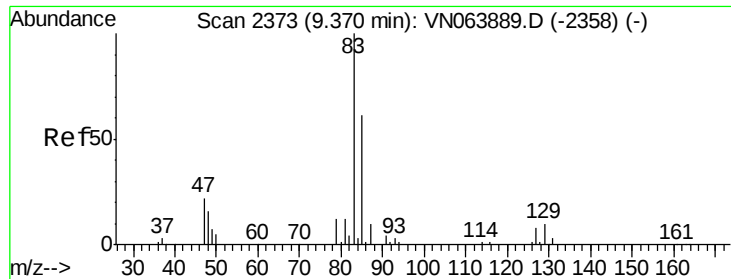
MMDadoda
 10/7/2020 12:11:57 PM



#40
 Dibromomethane
 Concen: 16.500 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion: 93 Resp: 44407
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 168.2
 174 92.9 0.0 208.4





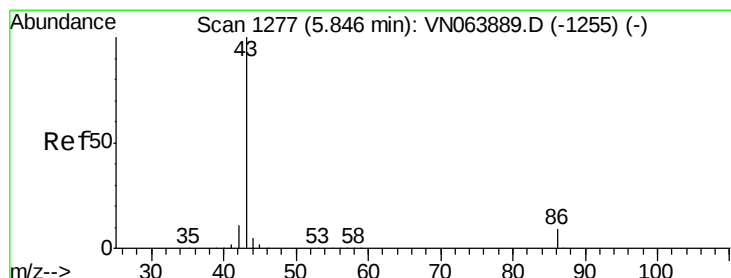
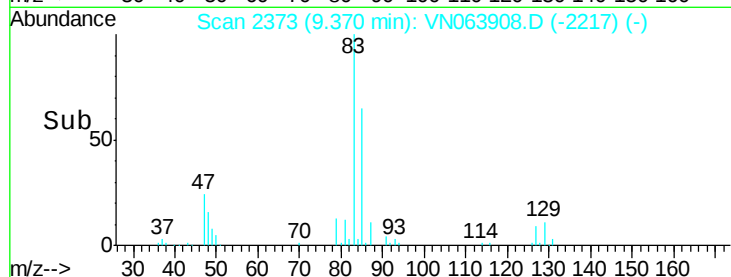
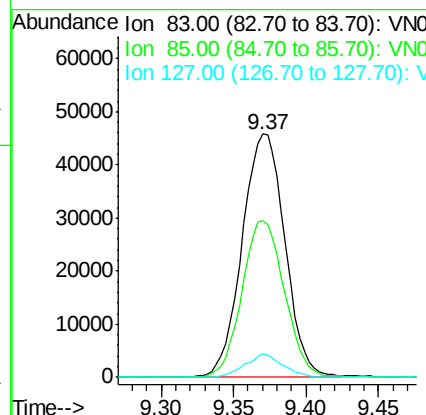
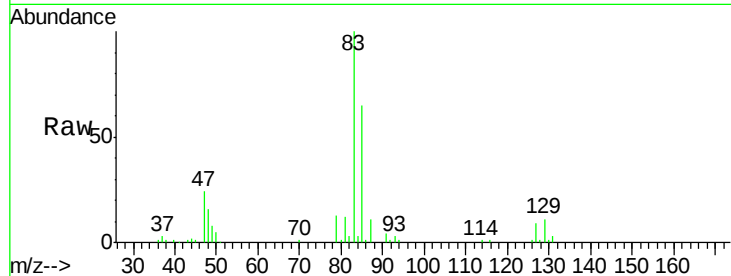
#41
 Bromodichloromethane
 Concen: 16.838 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	94187
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	52.6	79.0
127	9.4	7.4	11.0

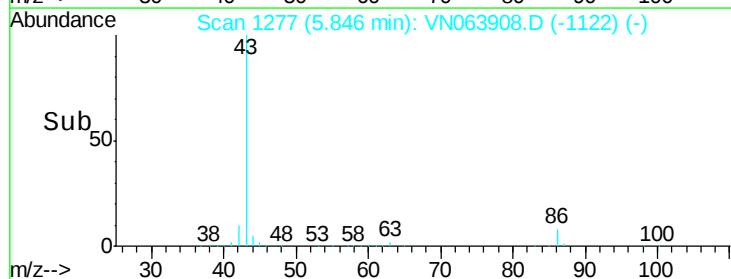
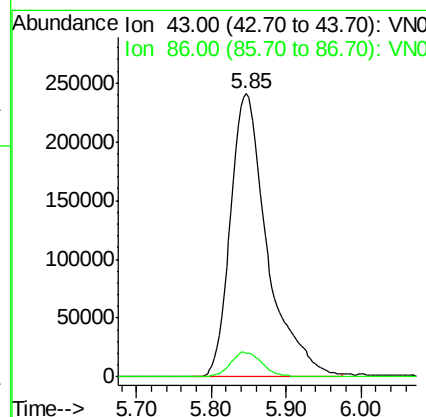
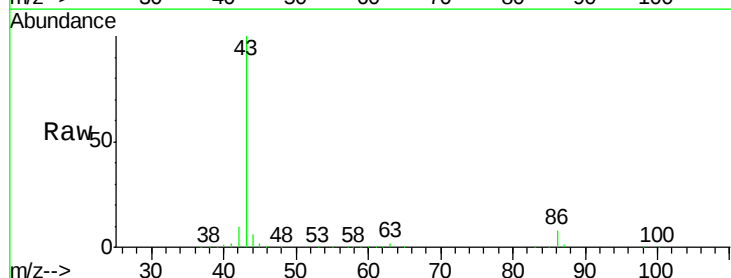
Manual Integrations
 APPROVED

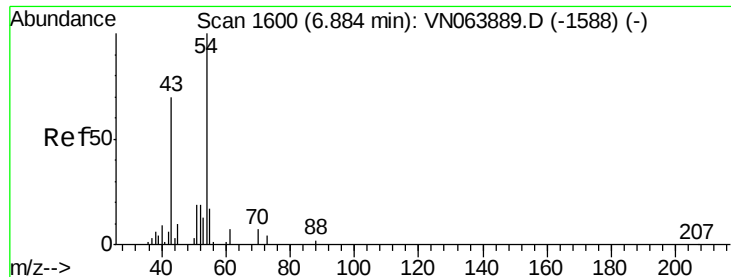
MMDadoda
 10/7/2020 12:11:57 PM



#42
 Vinyl Acetate
 Concen: 81.525 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	43	Resp	827785
Ion Ratio	100	Lower	Upper
43	100		
86	7.5	6.7	10.1





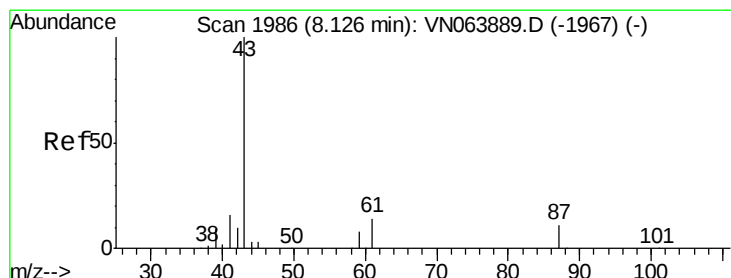
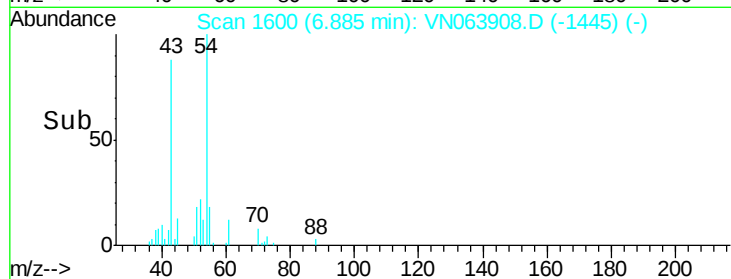
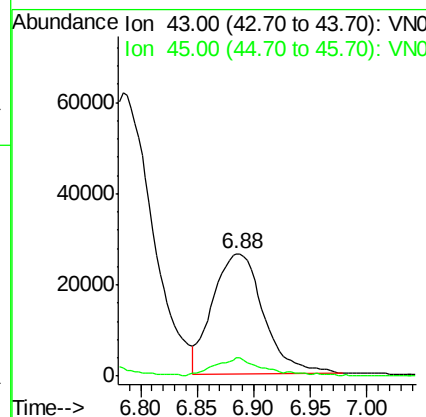
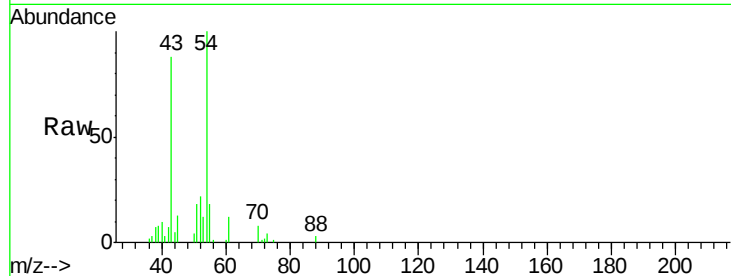
#43
Ethyl Acetate
Concen: 15.684 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 82172
Ion Ratio Lower Upper
43 100
45 11.8 11.3 16.9

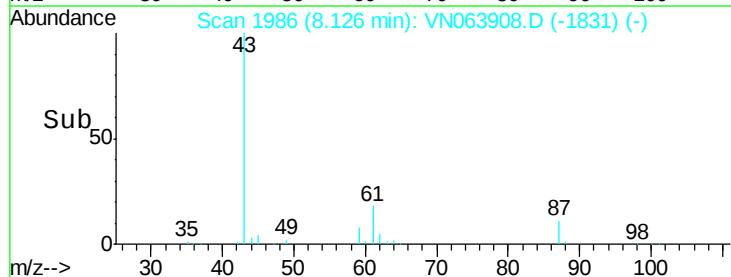
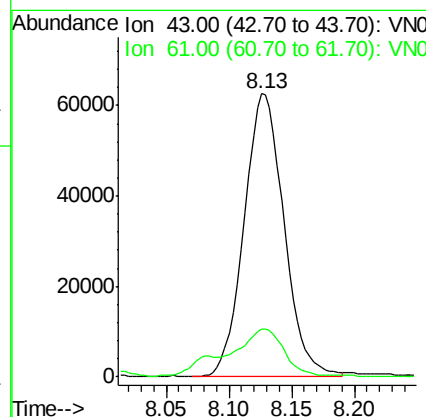
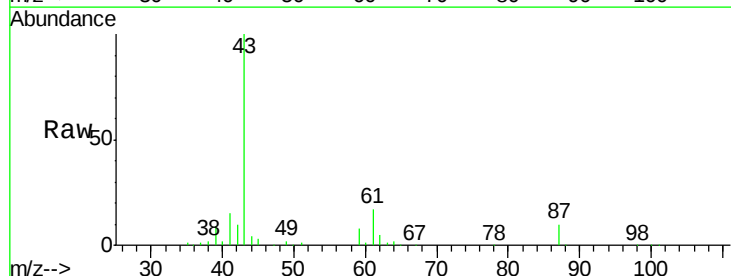
Manual Integrations
APPROVED

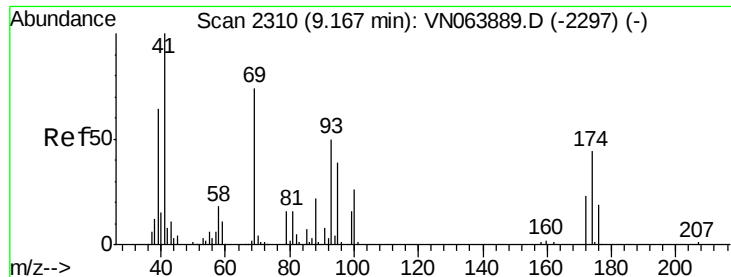
MMDadoda
10/7/2020 12:11:57 PM



#44
Isopropyl Acetate
Concen: 15.889 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion: 43 Resp: 137962
Ion Ratio Lower Upper
43 100
61 16.9 17.5 26.3#





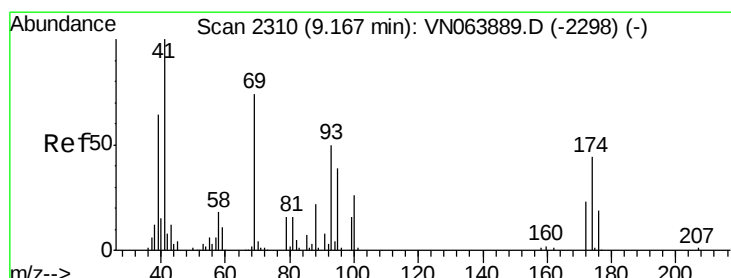
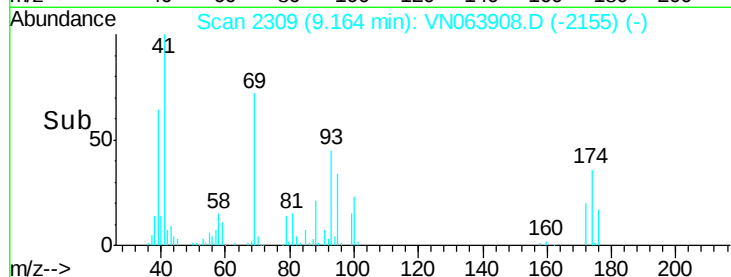
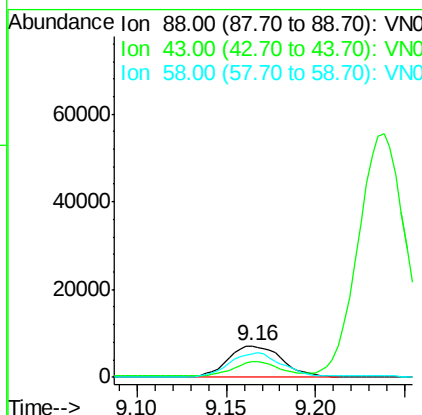
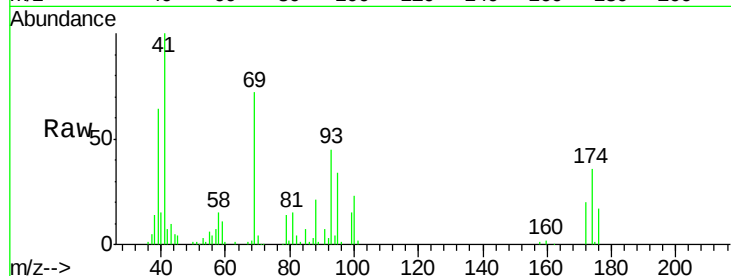
#45
1,4-Dioxane
Concen: 274.179 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.5	42.7
58	75.1	59.6	89.4

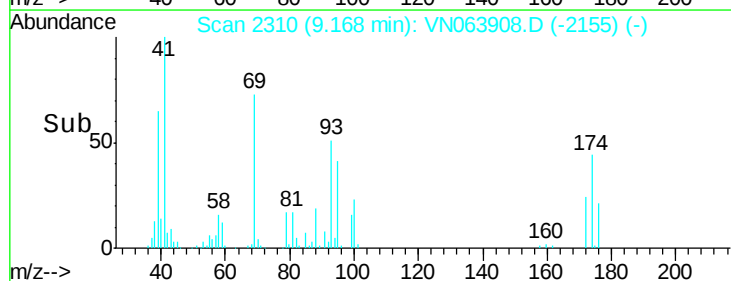
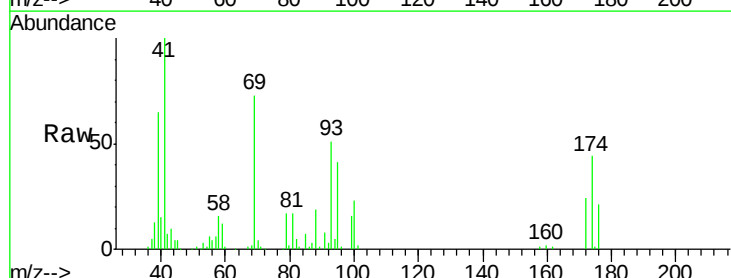
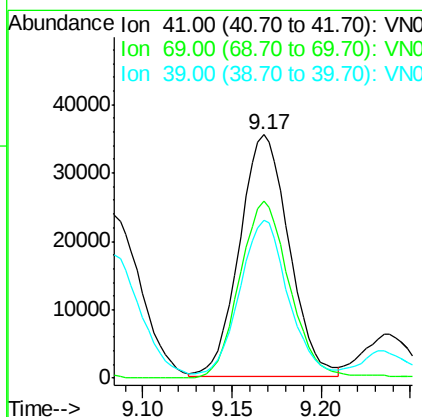
Manual Integrations
APPROVED

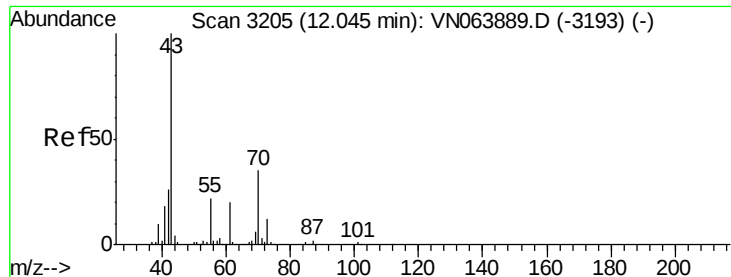
MMDadoda
10/7/2020 12:11:57 PM



#46
Methyl methacrylate
Concen: 15.966 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.0	42.6	128.0
39	63.8	25.1	75.4





#47

n-amyl Acetate

Concen: 14.595 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 112674

Ion Ratio Lower Upper

43 100

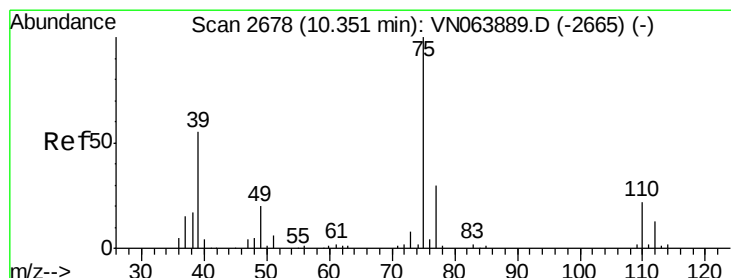
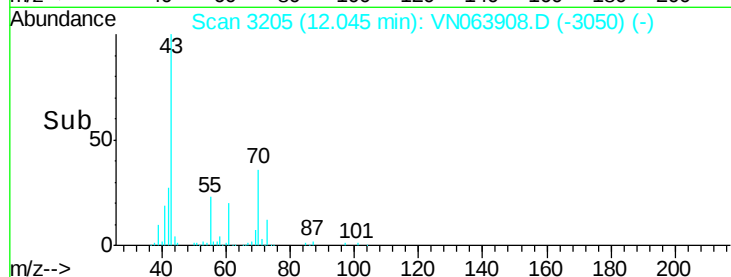
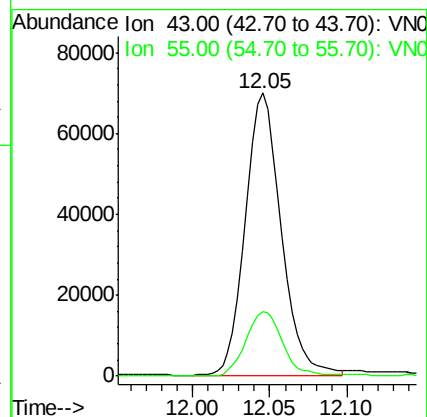
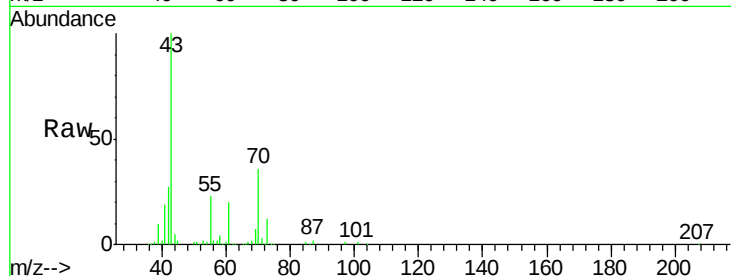
55 23.5 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



#48

t-1,3-Dichloropropene

Concen: 15.970 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063908.D

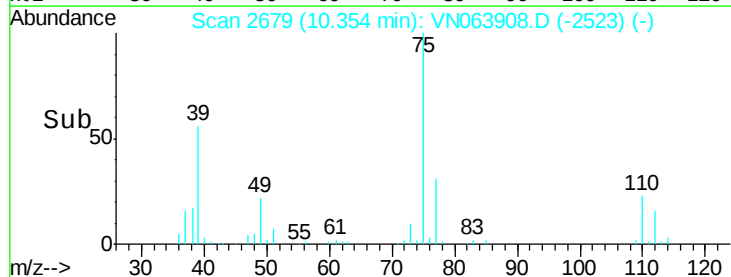
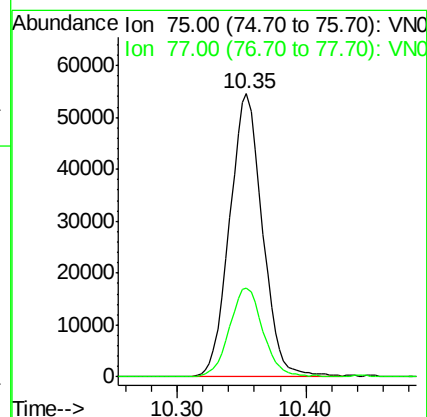
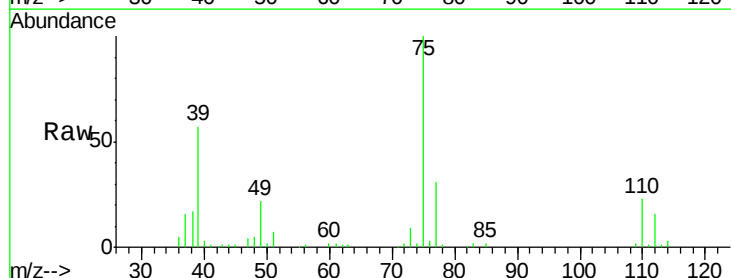
Acq: 6 Oct 2020 21:06

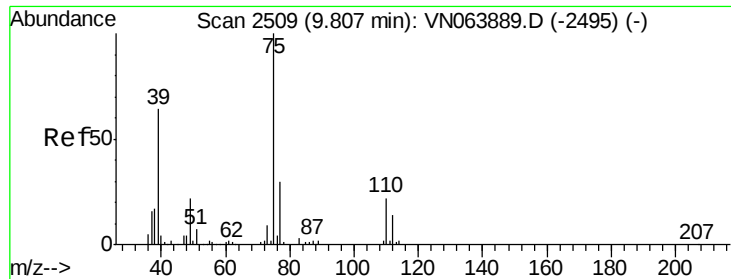
Tgt Ion: 75 Resp: 96531

Ion Ratio Lower Upper

75 100

77 31.5 23.8 35.8





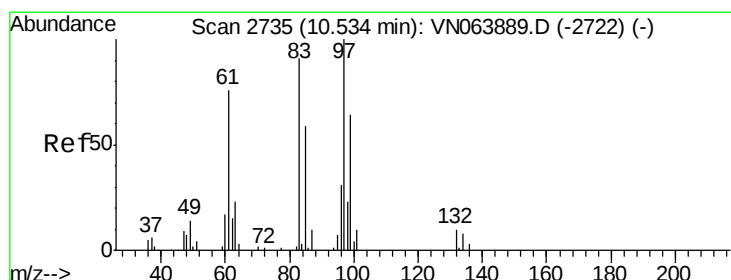
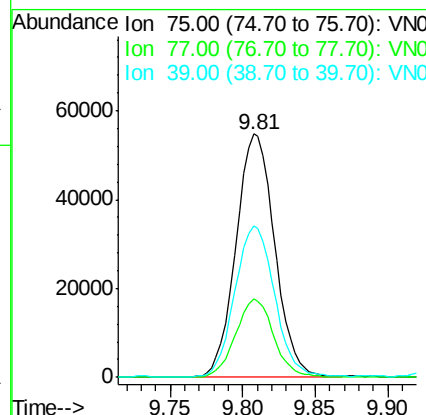
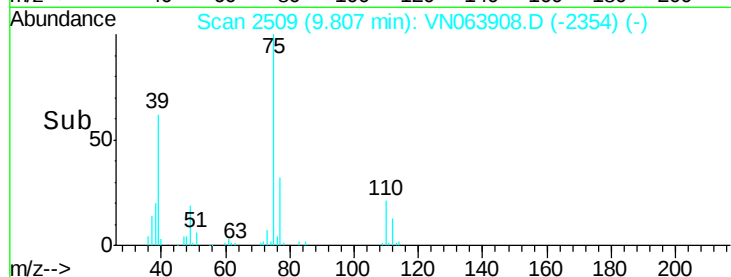
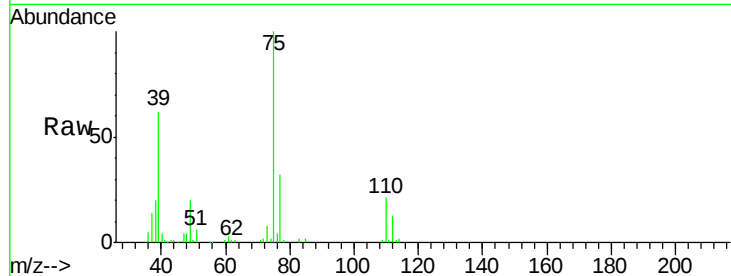
#49
 cis-1,3-Dichloropropene
 Concen: 16.269 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	61.7	34.5	51.7#

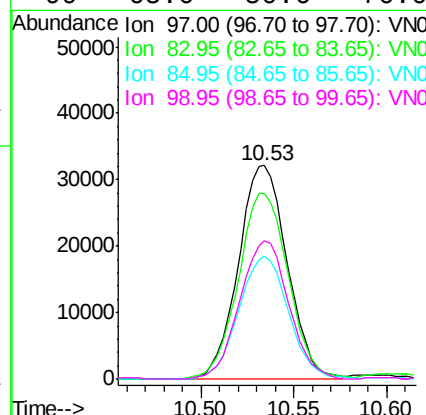
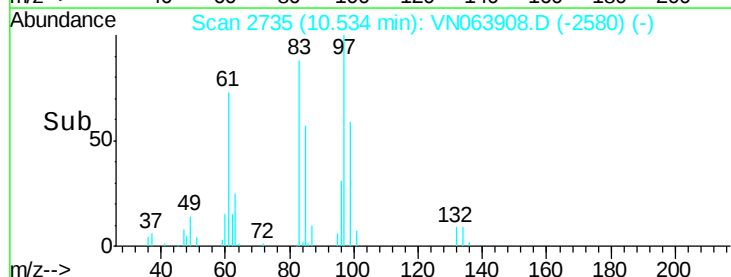
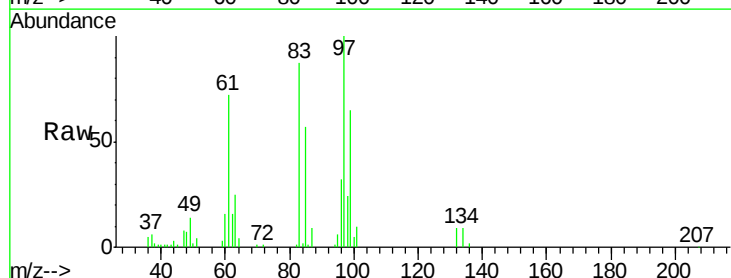
Manual Integrations
 APPROVED

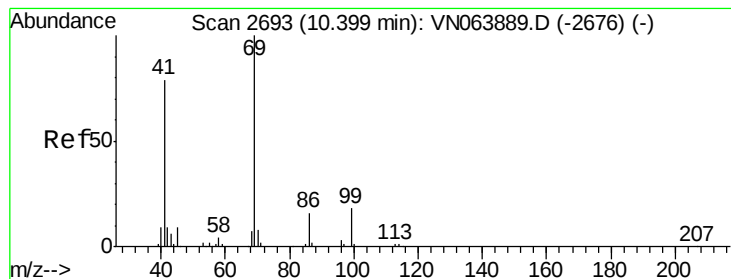
MMDadoda
 10/7/2020 12:11:57 PM



#50
 1,1,2-Trichloroethane
 Concen: 16.307 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.9	104.9
85	57.3	44.0	66.0
99	65.0	50.6	76.0





#51

Ethyl methacrylate

Concen: 15.651 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

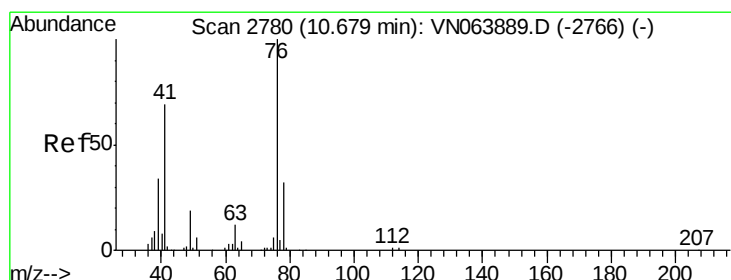
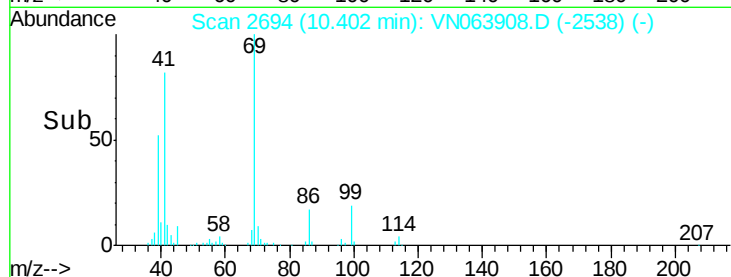
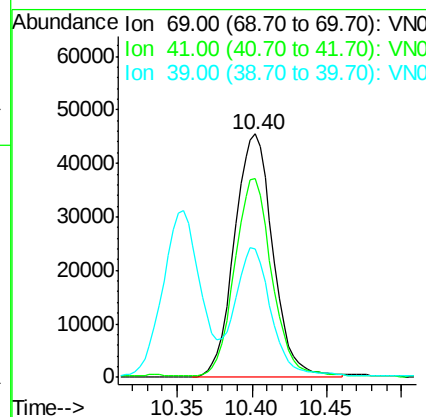
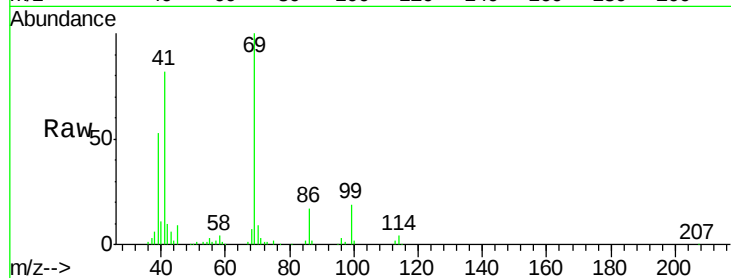
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	81586
Ion	Ratio	Lower	Upper
69	100		
41	80.9	32.1	96.5
39	51.7	16.1	48.3

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM



#52

1,3-Dichloropropane

Concen: 16.589 ug/l

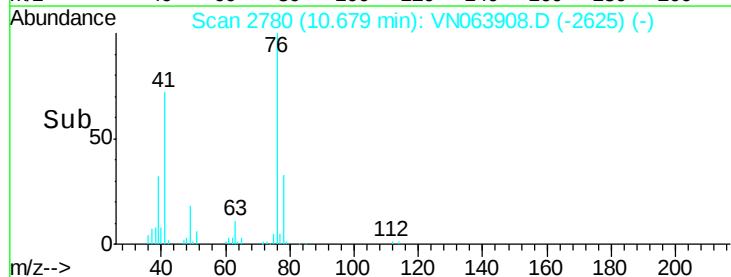
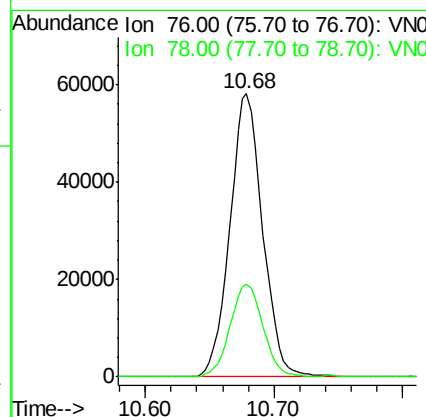
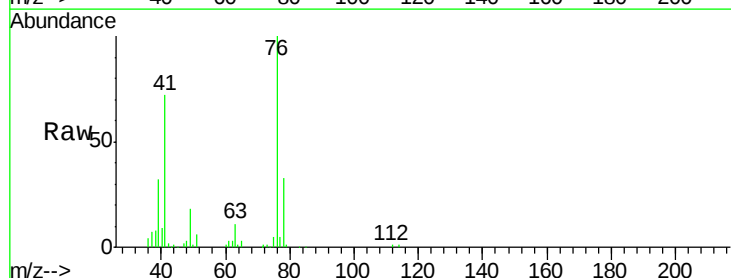
RT: 10.68 min Scan# 2780

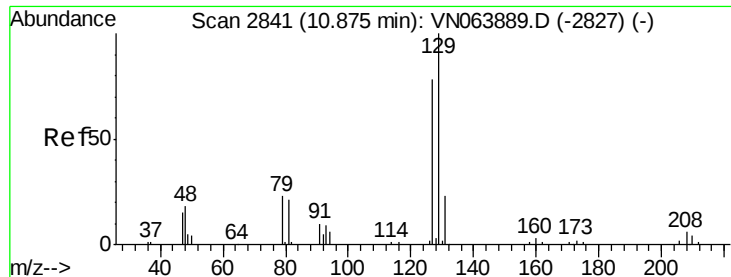
Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Tgt Ion:	76	Resp:	102121
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.2





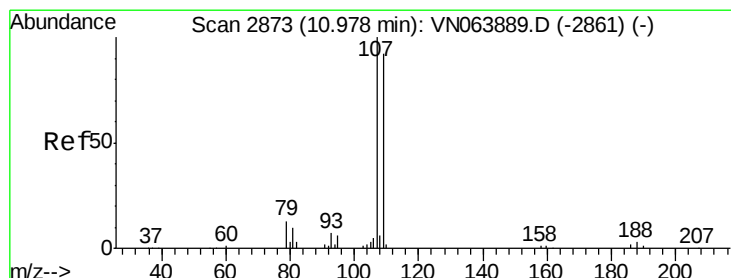
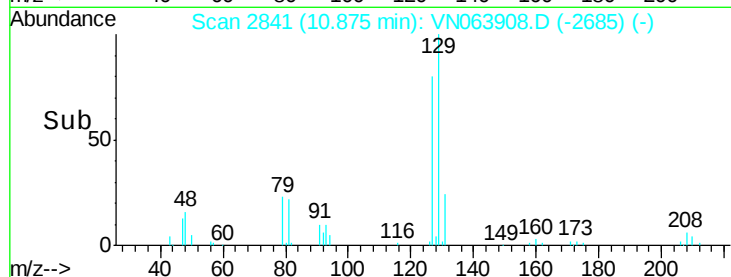
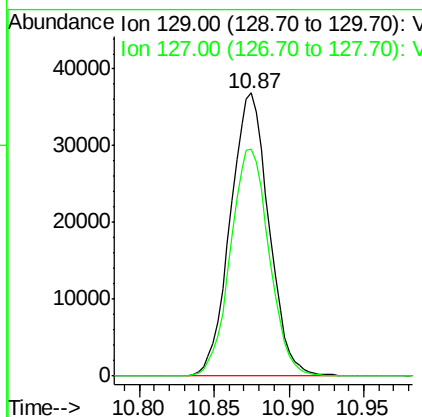
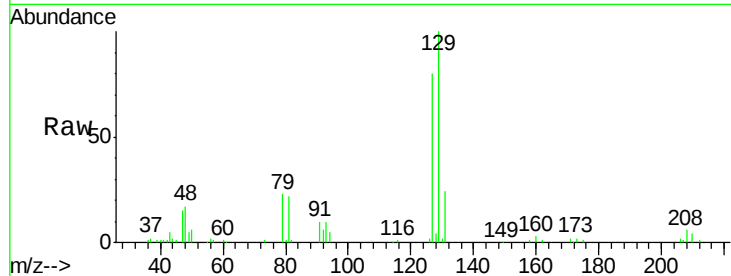
#53
 Dibromochloromethane
 Concen: 16.015 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 66240
 Ion Ratio Lower Upper
 129 100
 127 80.3 38.7 116.1

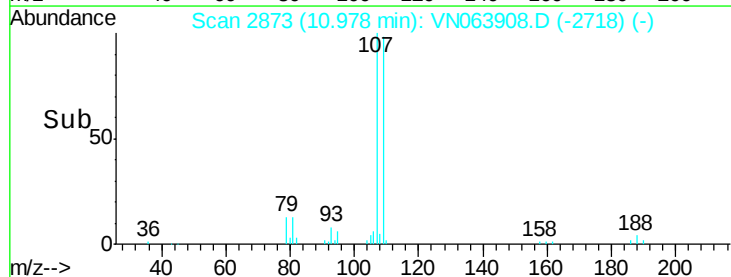
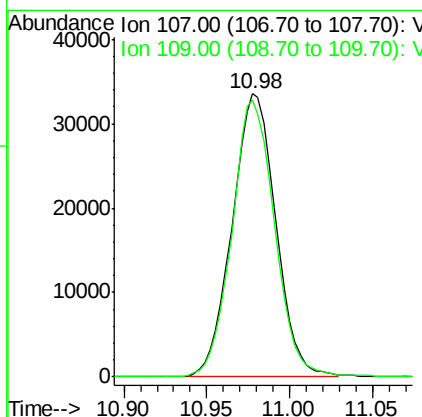
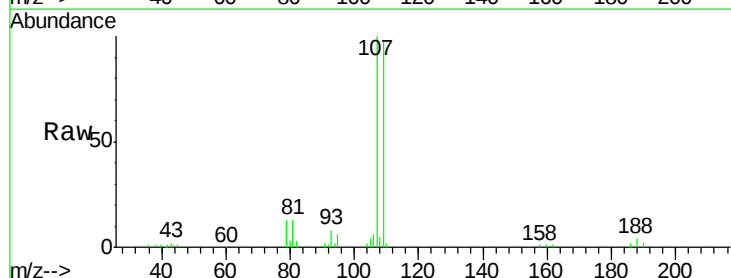
Manual Integrations
 APPROVED

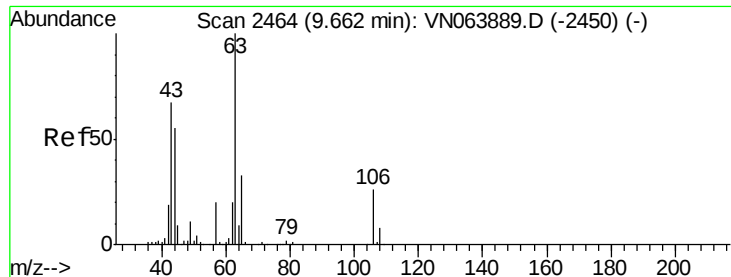
MMDadoda
 10/7/2020 12:11:57 PM



#54
 1,2-Dibromoethane
 Concen: 16.322 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion:107 Resp: 61502
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.3 114.5





#55

2-Chloroethyl vinyl ether

Concen: 78.828 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

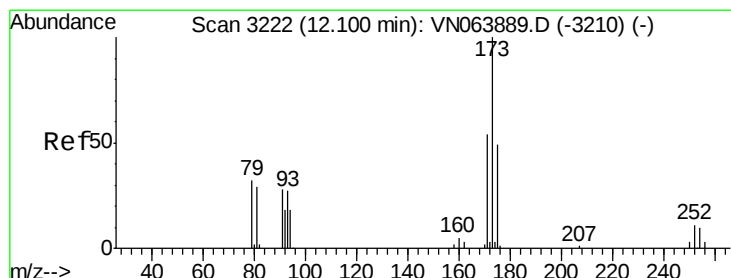
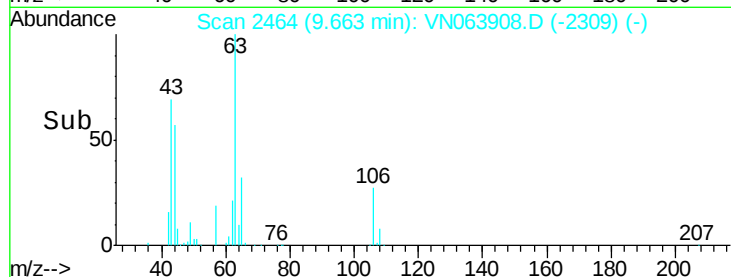
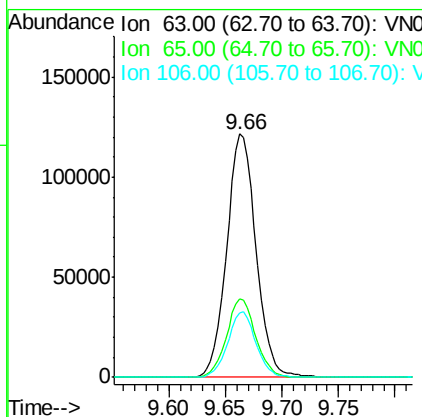
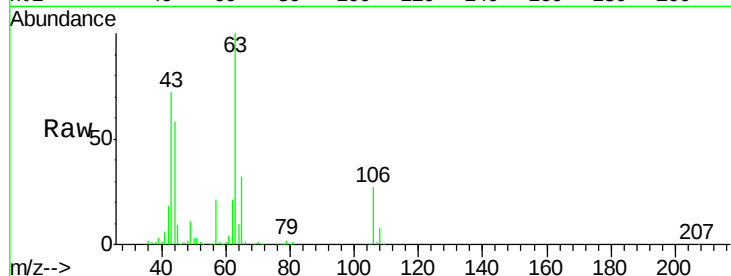
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	219273
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.9	38.9
106	25.9	19.9	29.9

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM



#56

Bromoform

Concen: 15.816 ug/l

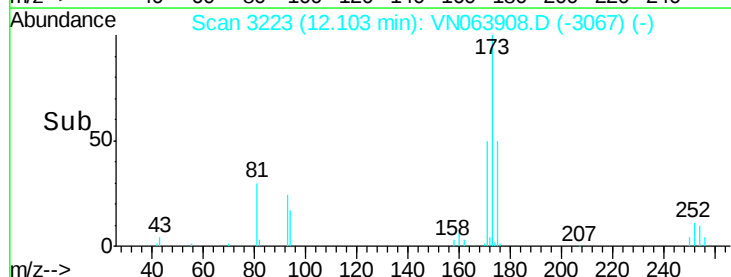
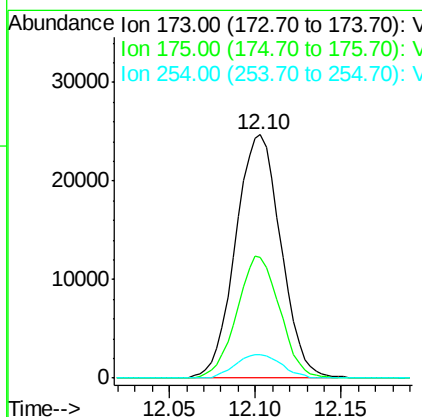
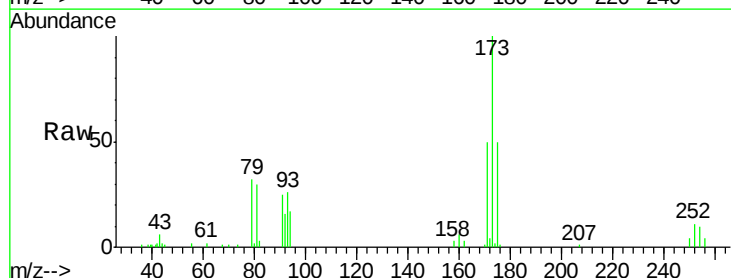
RT: 12.10 min Scan# 3223

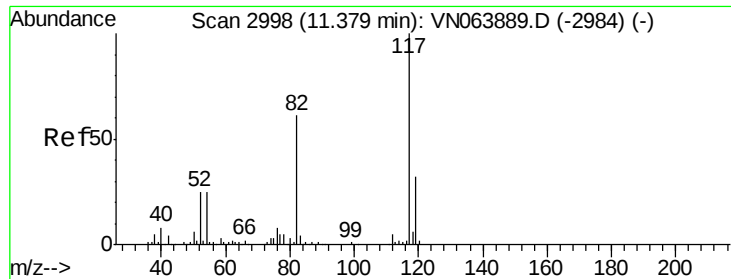
Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Tgt Ion:	173	Resp:	45331
Ion	Ratio	Lower	Upper
173	100		
175	47.4	41.2	61.8
254	9.7	9.0	13.4





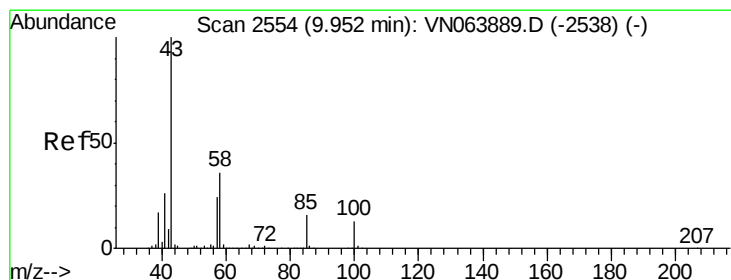
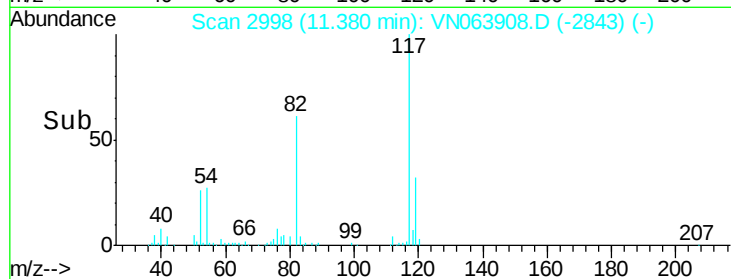
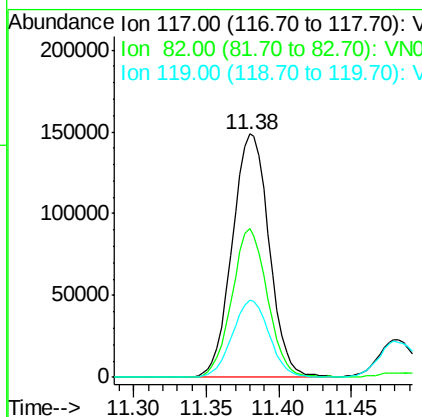
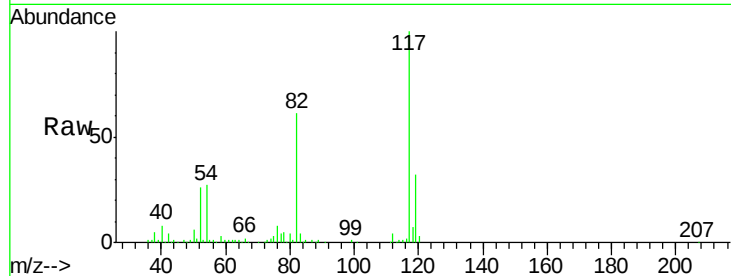
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	44.9	67.3
119	31.8	26.0	39.0

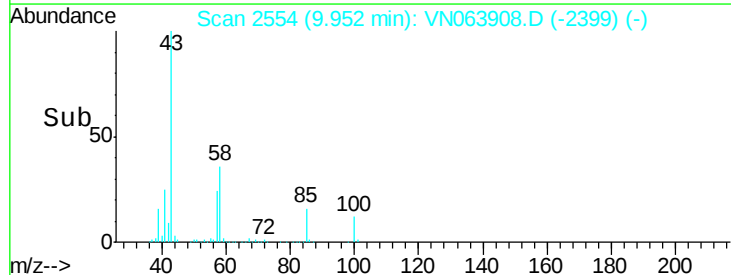
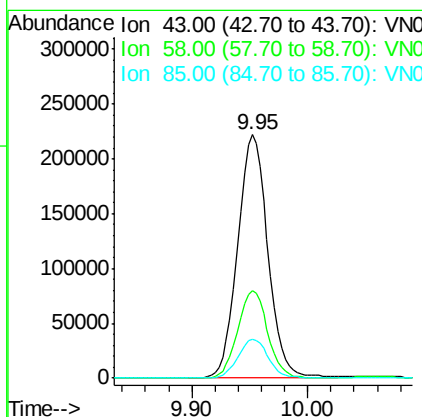
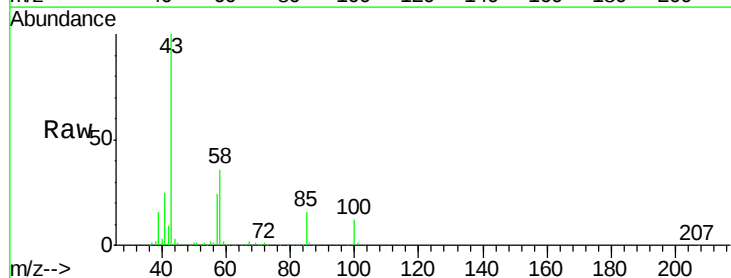
Manual Integrations
APPROVED

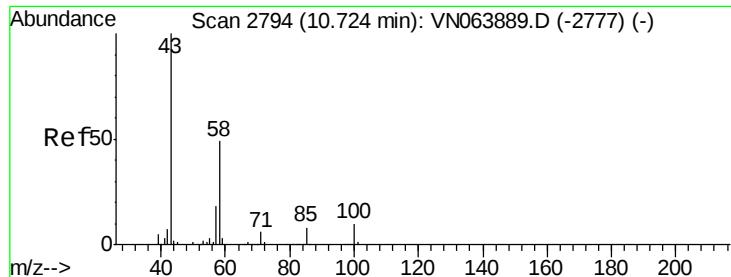
MMDadoda
10/7/2020 12:11:57 PM



#58
4-Methyl-2-Pentanone
Concen: 78.566 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.7	31.4	47.0
85	16.1	13.4	20.2





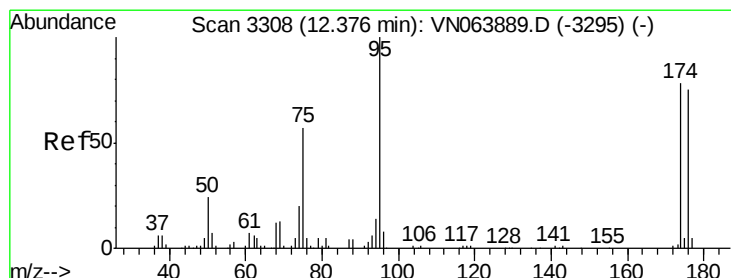
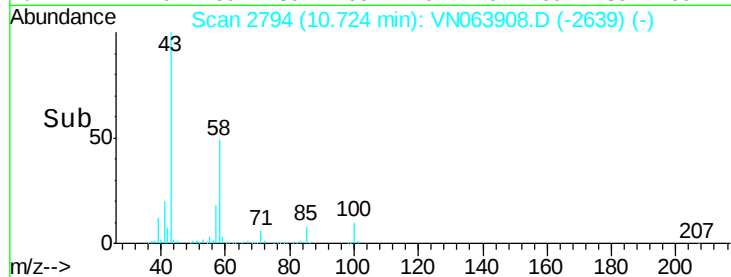
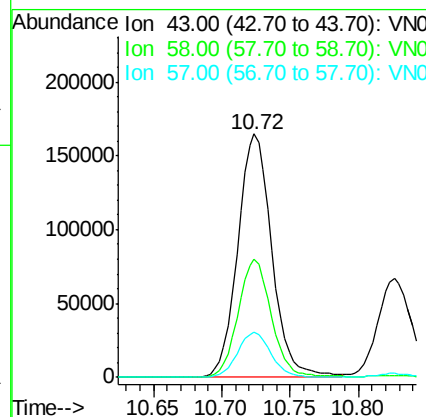
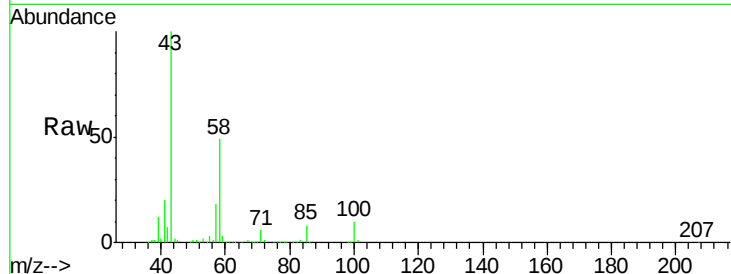
#59
2-Hexanone
Concen: 74.945 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	42.6	64.0
57	18.2	14.6	21.8

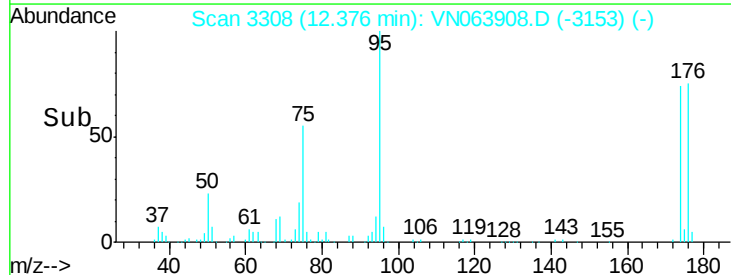
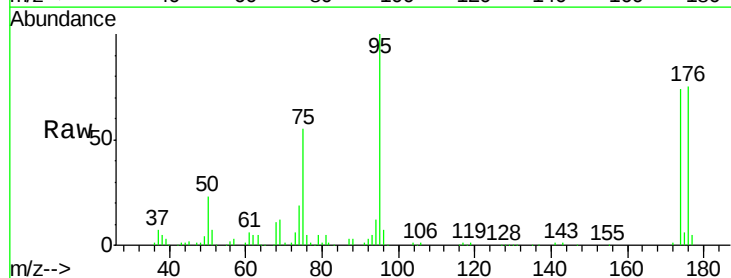
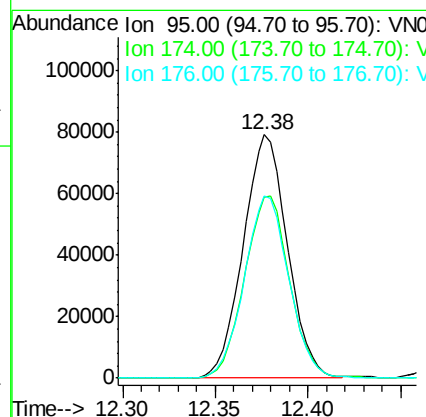
Manual Integrations
APPROVED

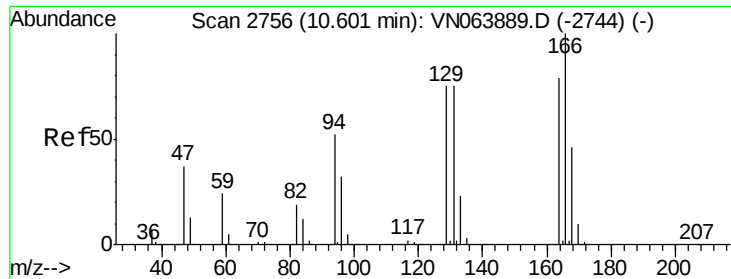
MMDadoda
10/7/2020 12:11:57 PM



#60
4-Bromofluorobenzene
Concen: 29.072 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	70.1	105.1
176	75.6	66.8	100.2





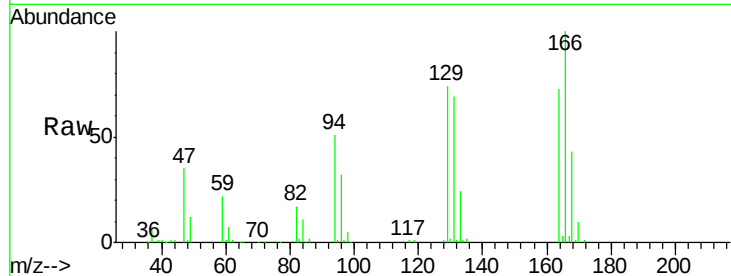
#61
Tetrachloroethene
Concen: 17.419 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

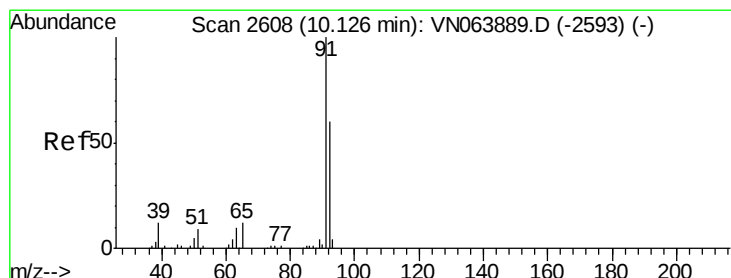
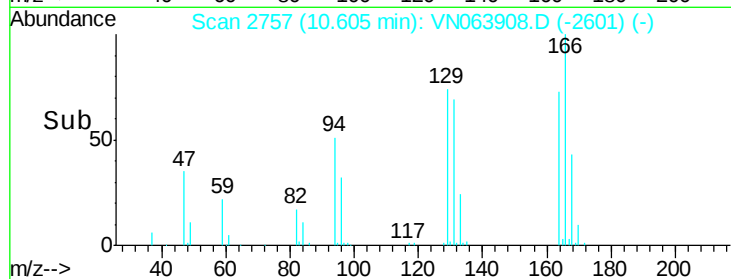
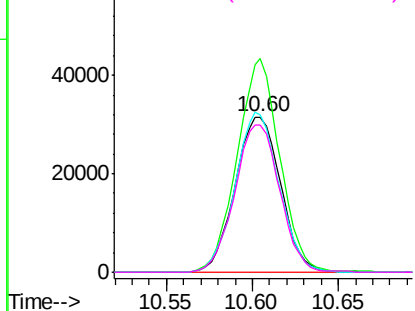
Tot Ion	Ratio	Lower	Upper
164	100		
166	137.3	100.1	150.1
129	101.3	72.5	108.7
131	94.7	68.4	102.6

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM

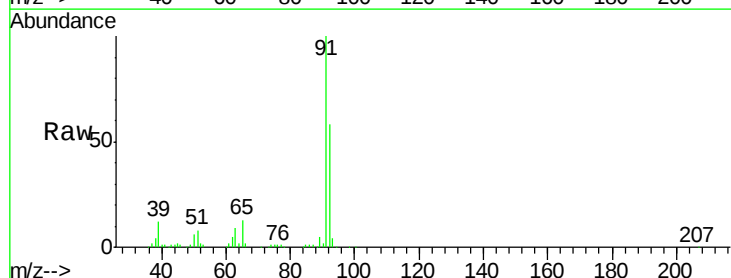


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

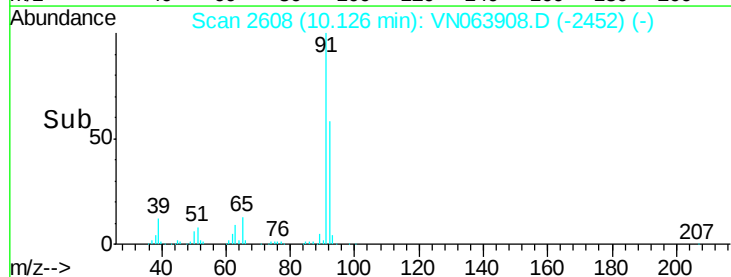
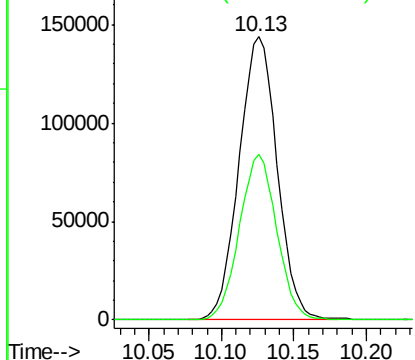


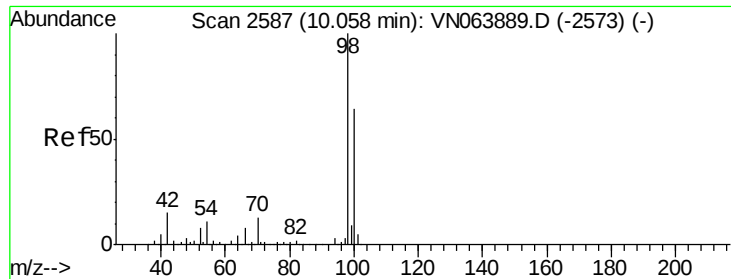
#62
Toluene
Concen: 17.447 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.5	68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.396 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 361885

Ion Ratio Lower Upper

98 100

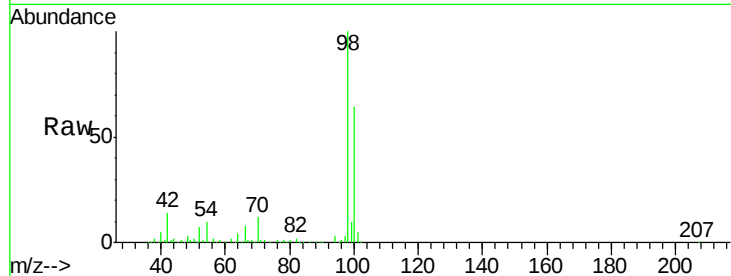
100 63.1 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



Abundance Ion 98.00 (97.70 to 98.70): VN063889.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN063889.D (-2573) (-)

10.06

200000

150000

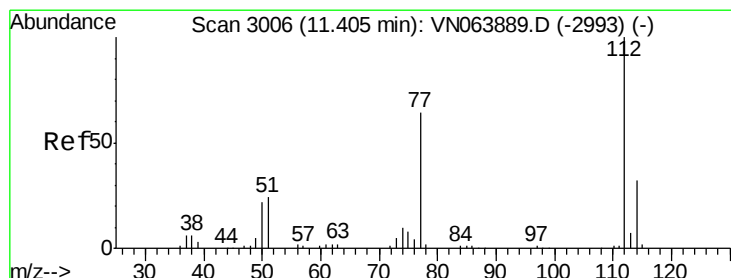
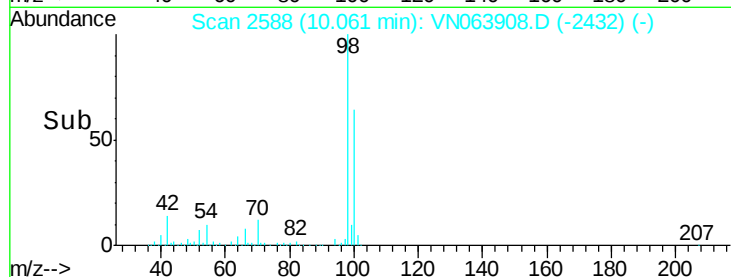
100000

50000

0

10.00 10.10

Time-->



#64

Chlorobenzene

Concen: 17.432 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN063908.D

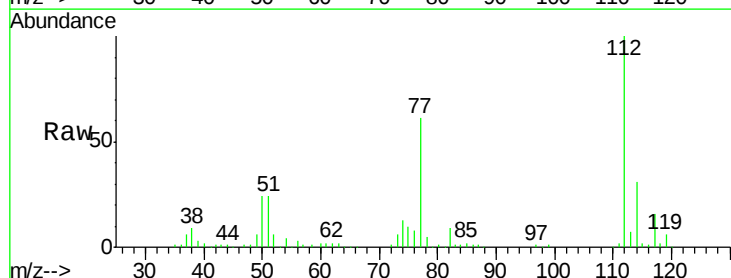
Acq: 6 Oct 2020 21:06

Tgt Ion: 112 Resp: 159421

Ion Ratio Lower Upper

112 100

114 30.9 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN063889.D (-2993) (-)

Ion 114.00 (113.70 to 114.70): VN063889.D (-2993) (-)

11.41

100000

80000

60000

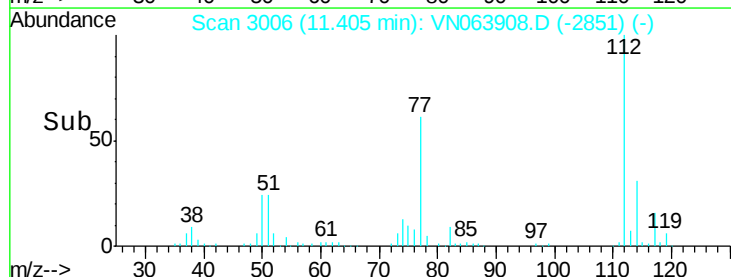
40000

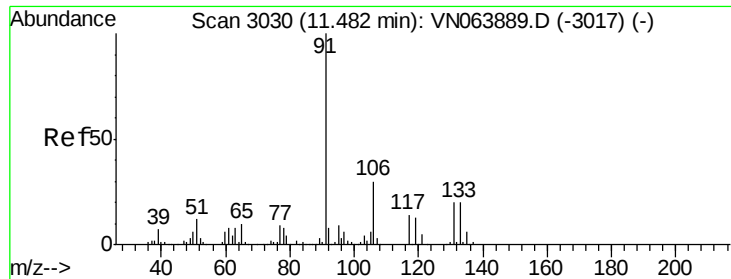
20000

0

11.30 11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 17.164 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

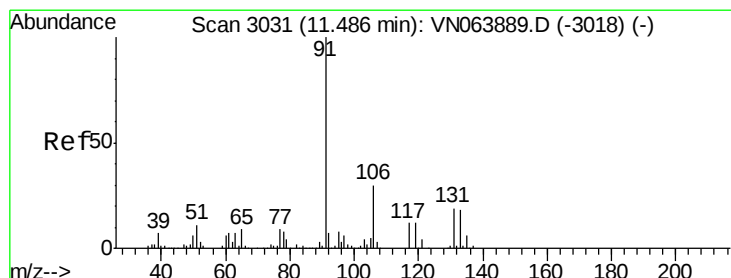
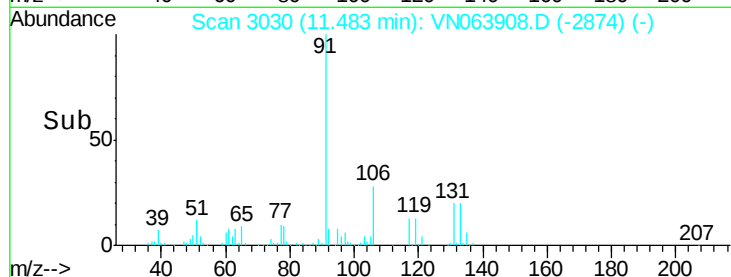
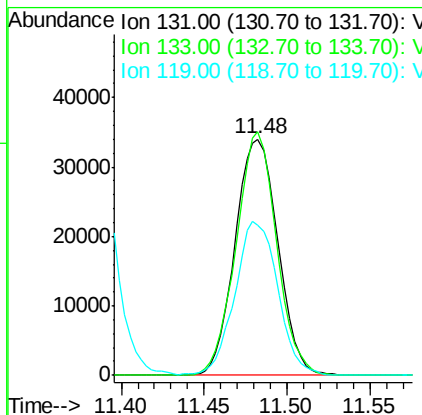
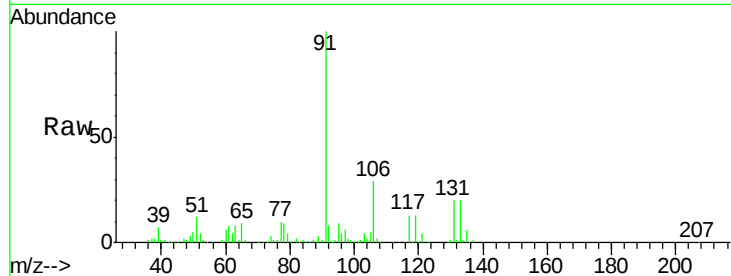
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	61389
Ion	Ratio	Lower	Upper
131	100		
133	97.2	0.0	191.2
119	65.3	0.0	134.2

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM



#66

Ethyl Benzene

Concen: 17.460 ug/l

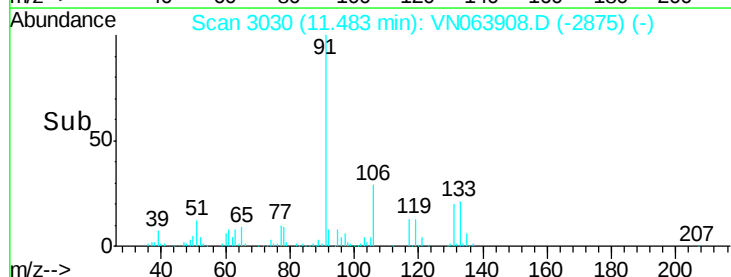
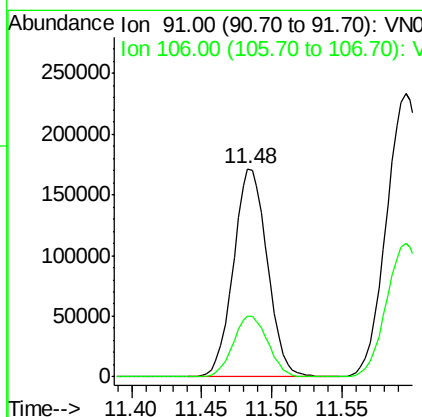
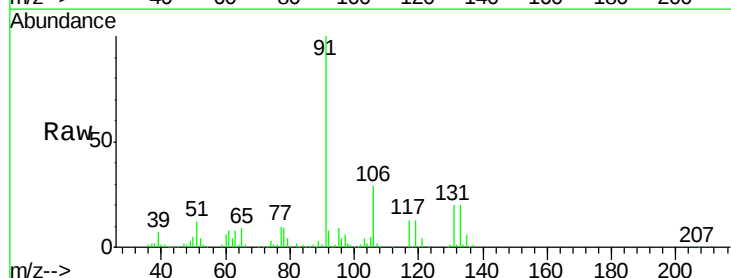
RT: 11.48 min Scan# 3030

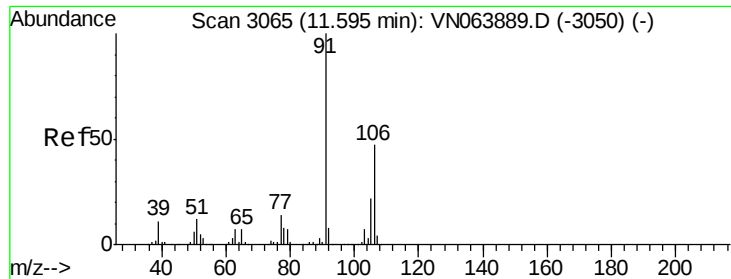
Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Tgt Ion:	91	Resp:	289294
Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.0	37.4





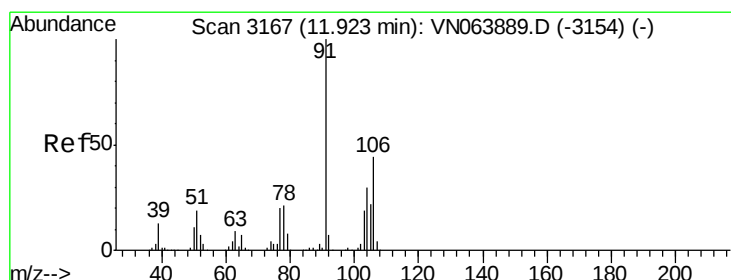
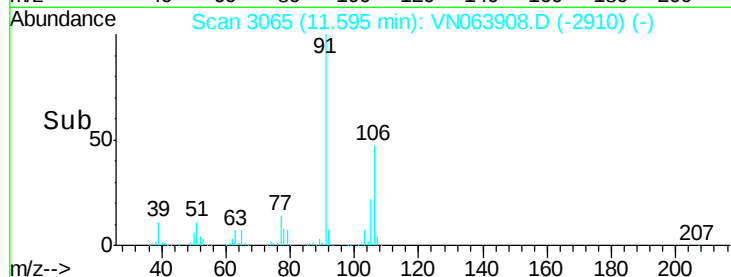
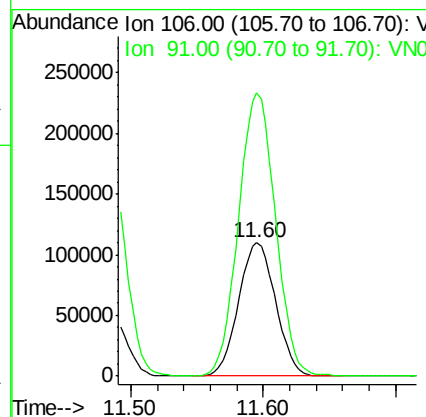
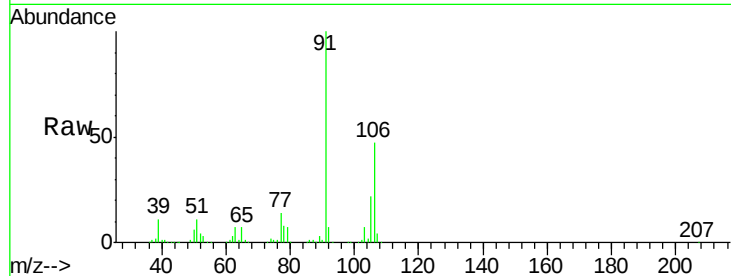
#67
m/p-Xylenes
Concen: 34.631 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:106 Resp: 213378
Ion Ratio Lower Upper
106 100
91 211.0 164.9 247.3

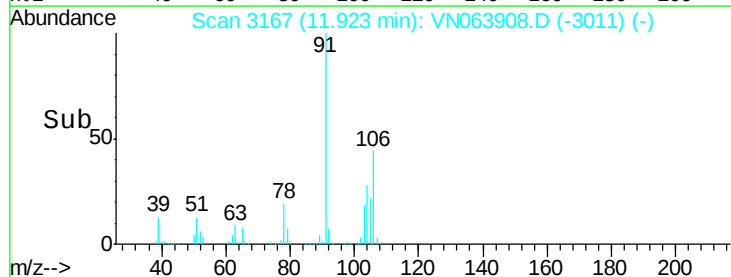
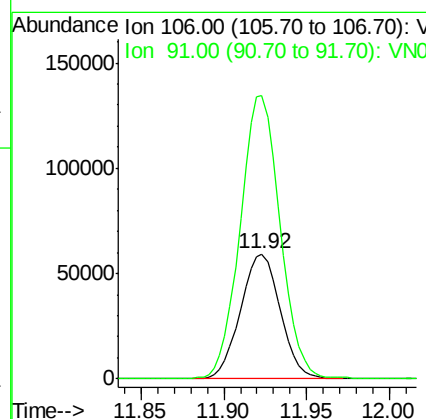
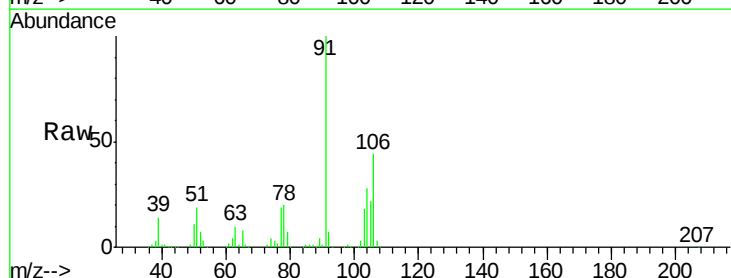
Manual Integrations
APPROVED

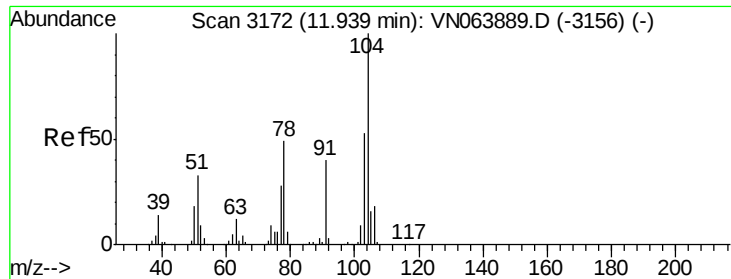
MMDadoda
10/7/2020 12:11:57 PM



#68
o-Xylene
Concen: 16.887 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion:106 Resp: 99132
Ion Ratio Lower Upper
106 100
91 227.6 108.0 324.0





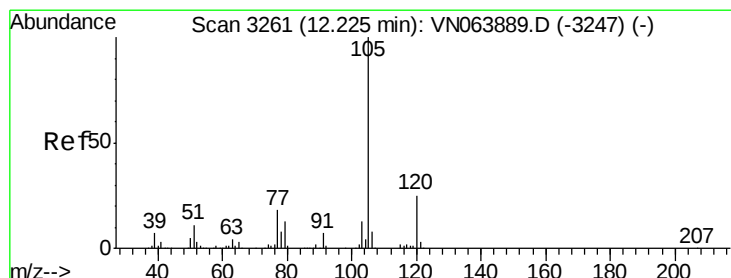
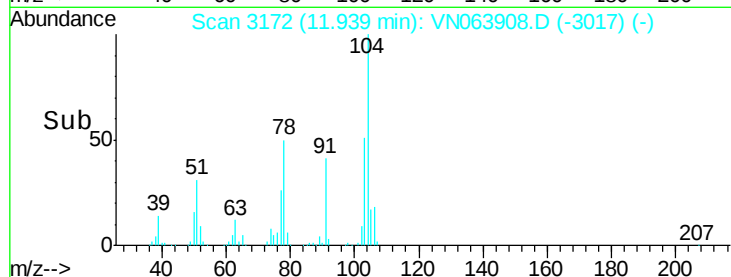
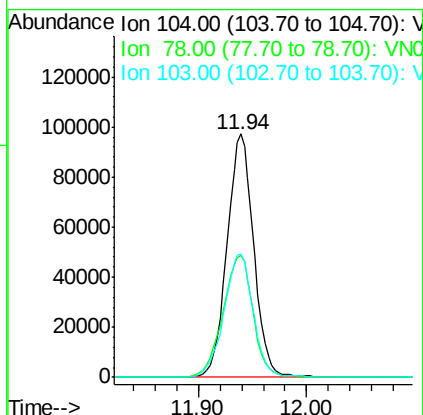
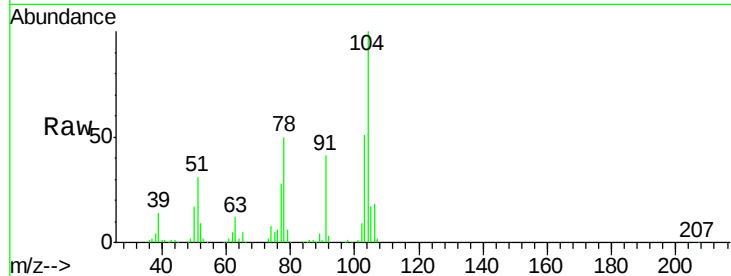
#69
Stvrene
Concen: 16.723 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		167504		
78	56.4	39.6	59.4		
103	55.5	44.4	66.6		

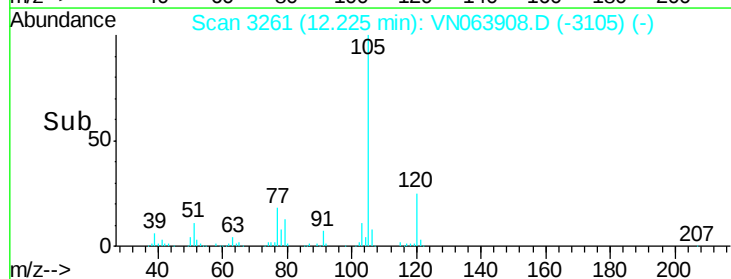
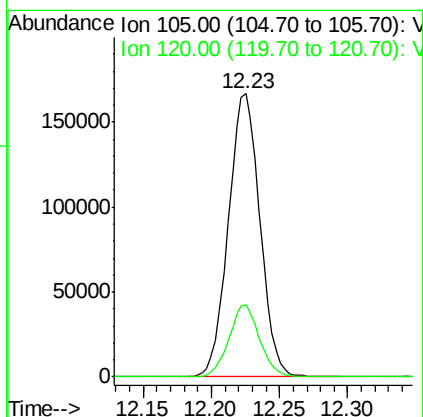
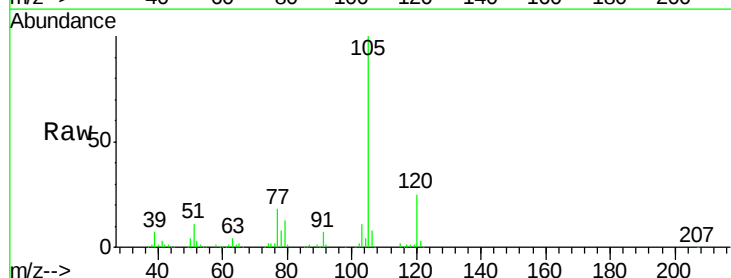
Manual Integrations
APPROVED

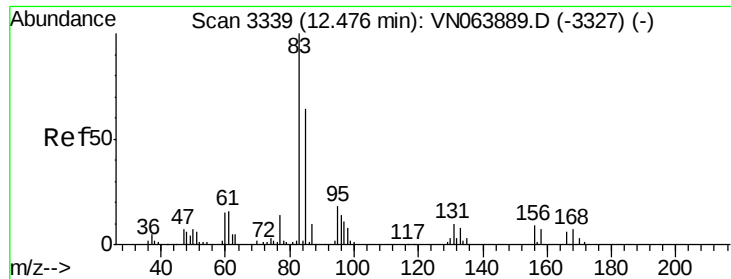
MMDadoda
10/7/2020 12:11:57 PM



#70
Isopropylbenzene
Concen: 17.156 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		267610		
120	24.8	18.5	34.3		





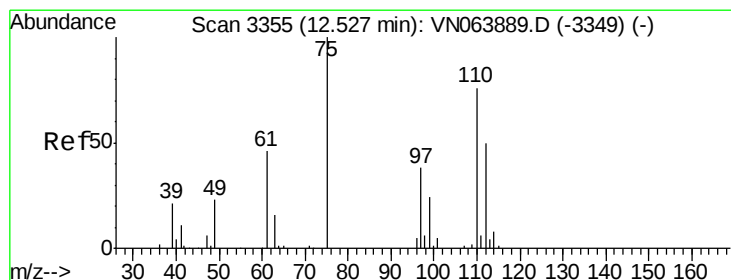
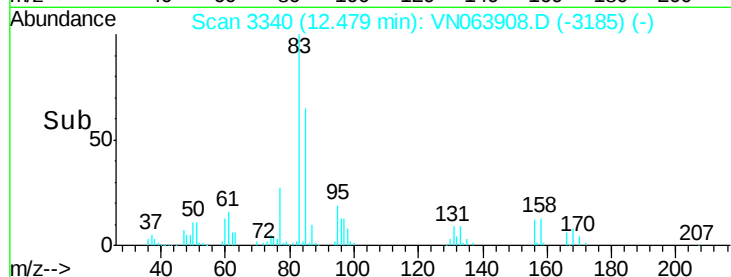
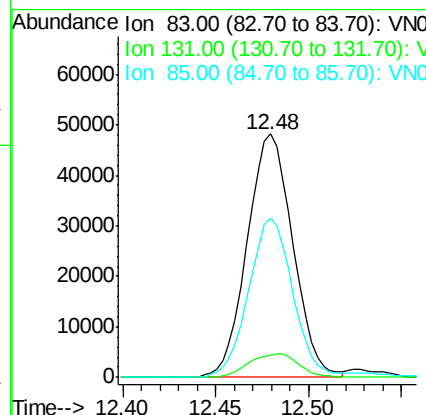
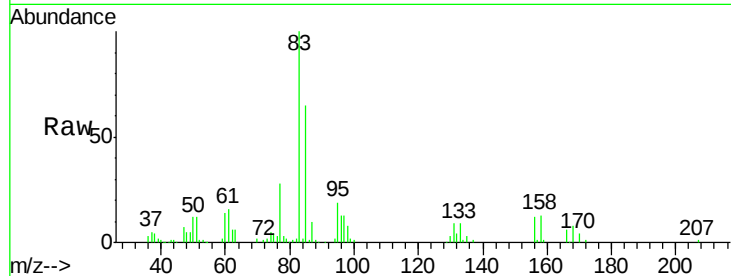
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.781 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	82742
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	4.5	13.7
85	63.2	31.8	95.3

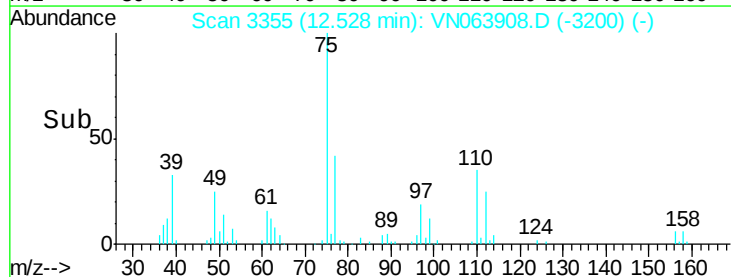
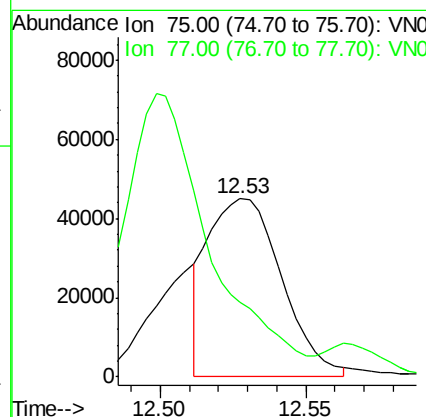
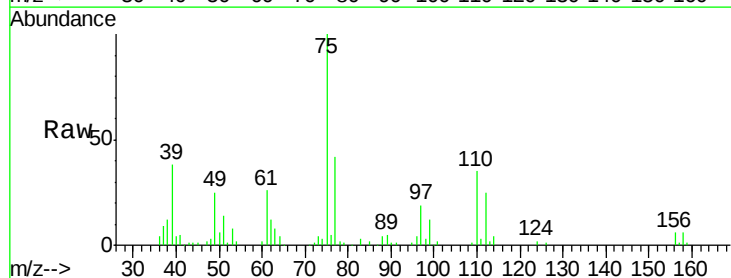
Manual Integrations
 APPROVED

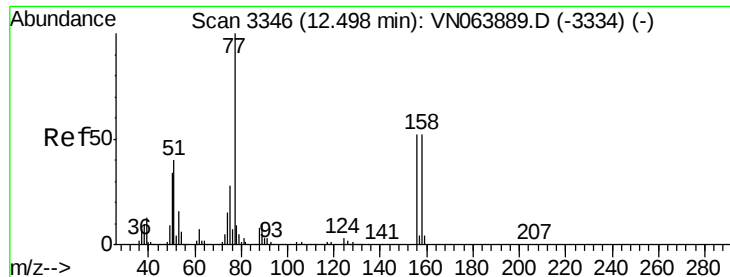
MMDadoda
 10/7/2020 12:11:57 PM



#72
 1,2,3-Trichloropropane
 Concen: 15.737 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	75	Resp	79122
Ion Ratio	100	Lower	Upper
75	100		
77	188.5	0.0	387.8





#73

Bromobenzene

Concen: 16.836 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

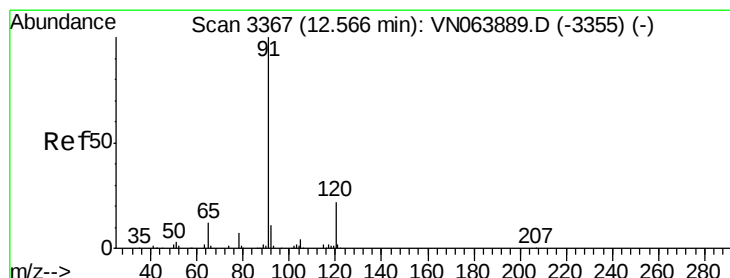
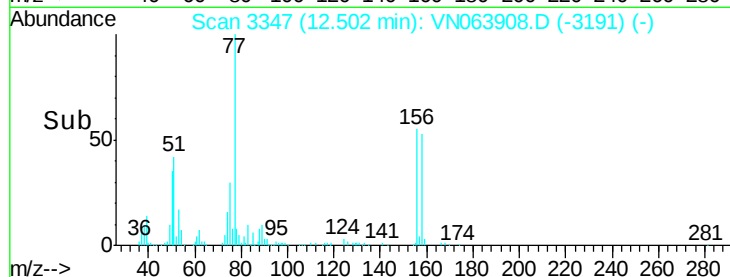
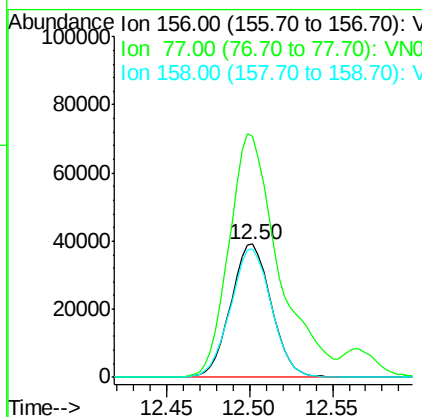
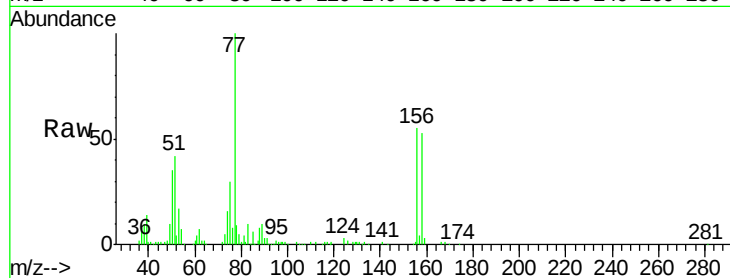
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	66562
Ion Ratio	Lower	Upper	
156	100		
77	224.1	0.0	398.6
158	98.0	0.0	195.4

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM



#74

n-propylbenzene

Concen: 16.919 ug/l

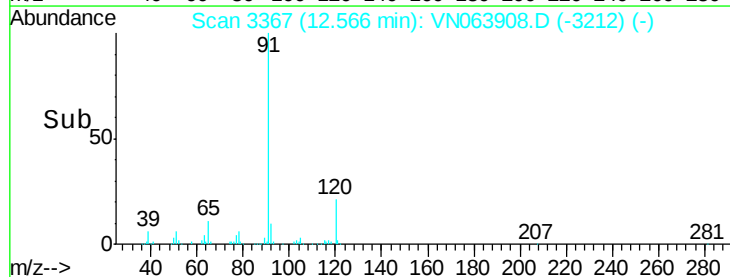
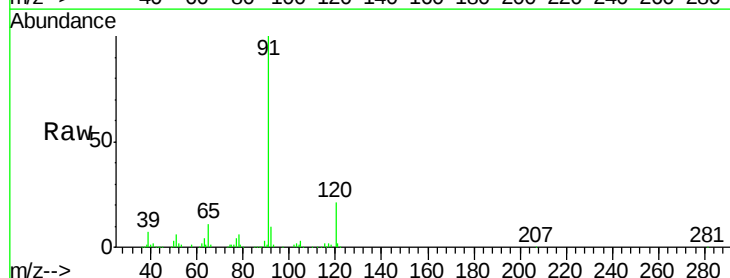
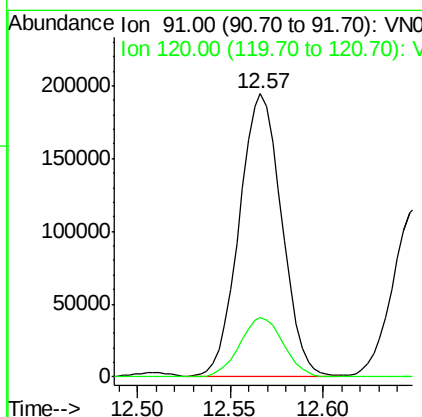
RT: 12.57 min Scan# 3367

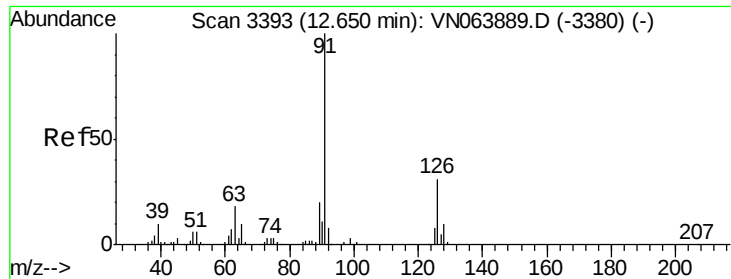
Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Tgt Ion:	91	Resp:	308521
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	44.0





#75

2-Chlorotoluene

Concen: 17.323 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063908.D

Acq: 6 Oct 2020 21:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 192685

Ion Ratio Lower Upper

91 100

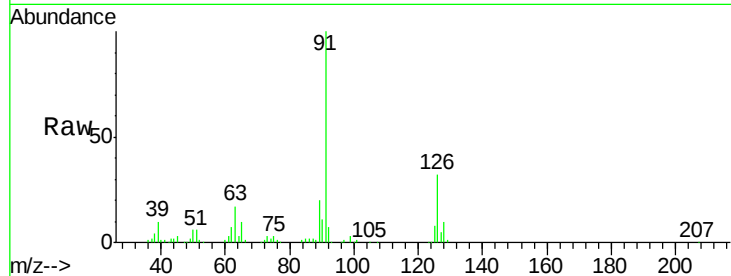
126 31.7 0.0 68.0

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN063889.D (-3380) (-)

200000

150000

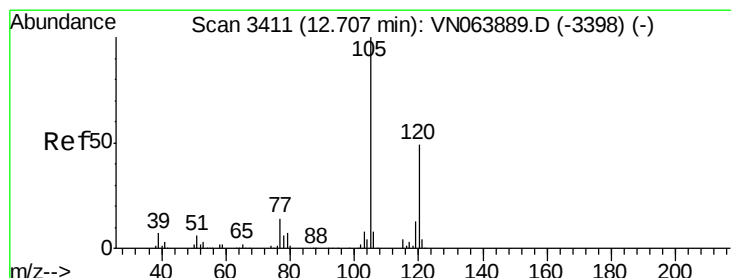
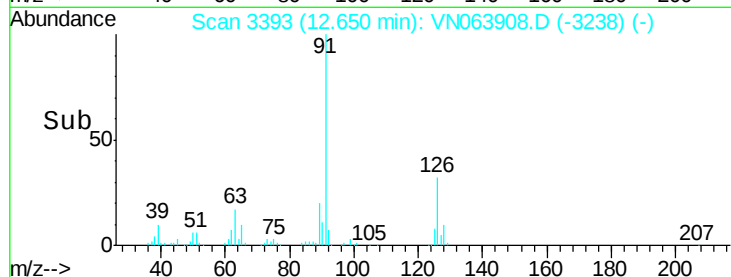
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 17.278 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063908.D

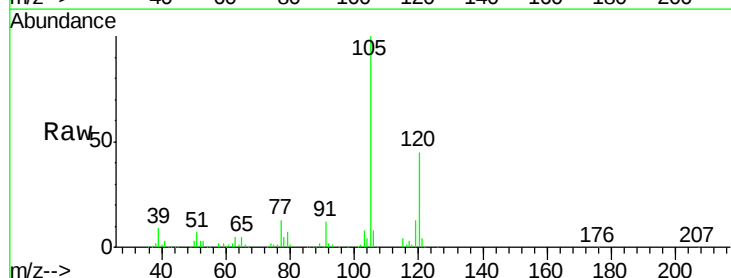
Acq: 6 Oct 2020 21:06

Tgt Ion: 105 Resp: 227280

Ion Ratio Lower Upper

105 100

120 45.9 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN063889.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN063889.D (-3398) (-)

150000

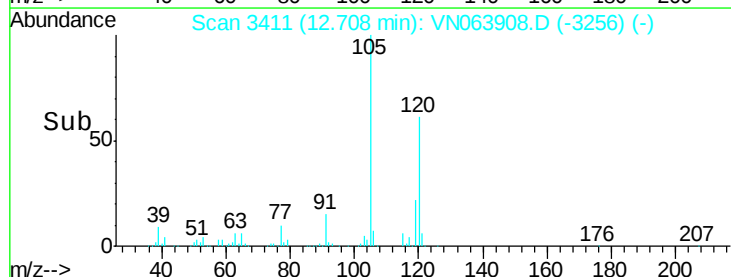
100000

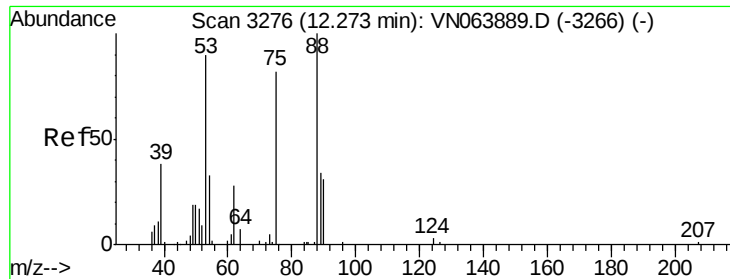
50000

0

12.60 12.70

Time-->





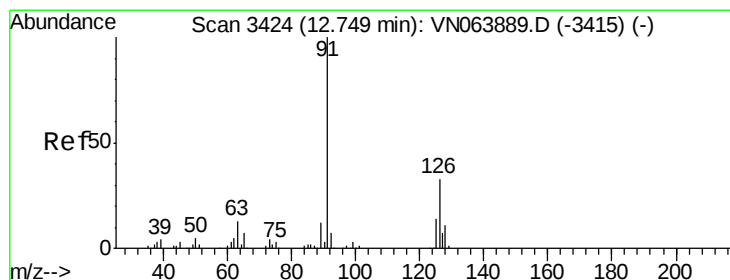
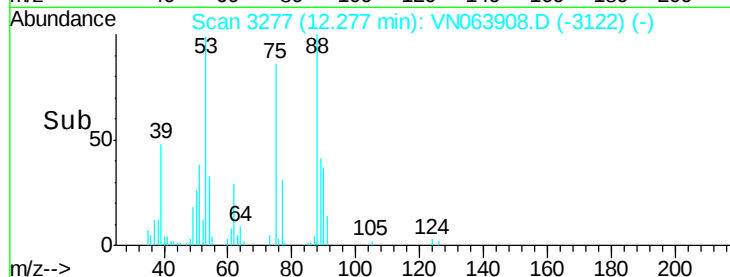
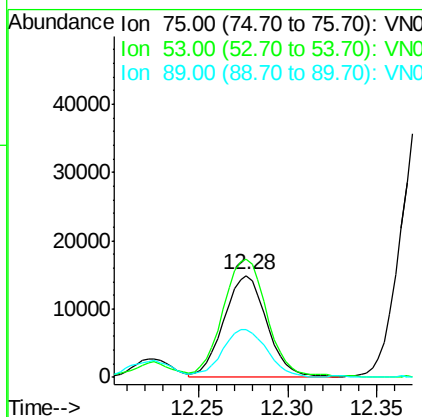
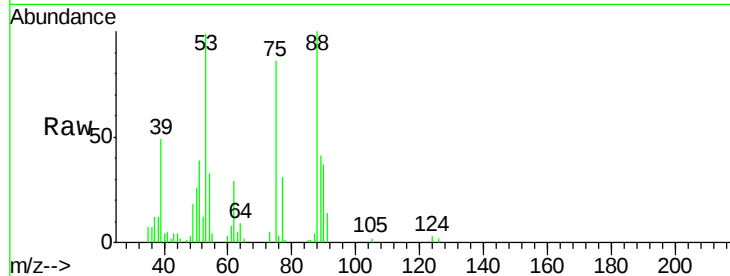
#77
t-1,4-Dichloro-2-butene
Concen: 14.049 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.5	47.0	141.0
89	46.2	22.9	68.7

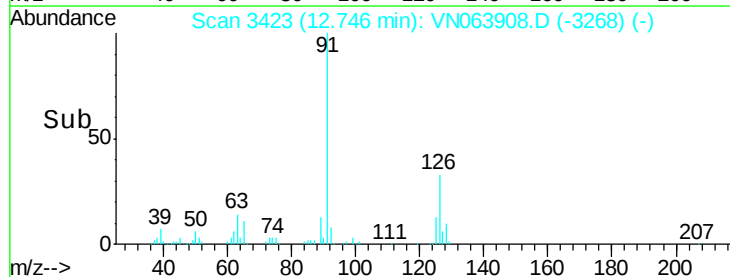
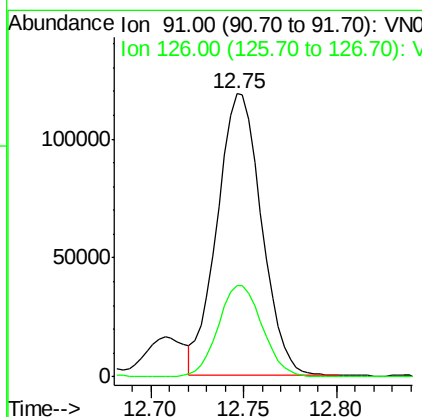
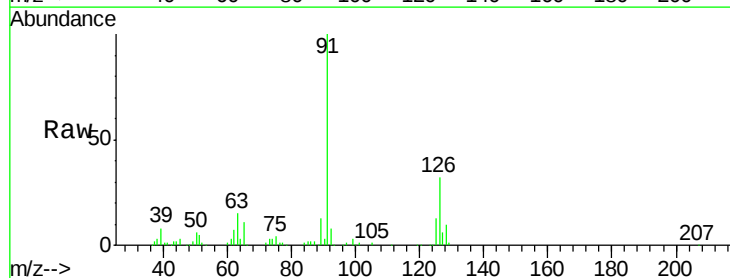
Manual Integrations
APPROVED

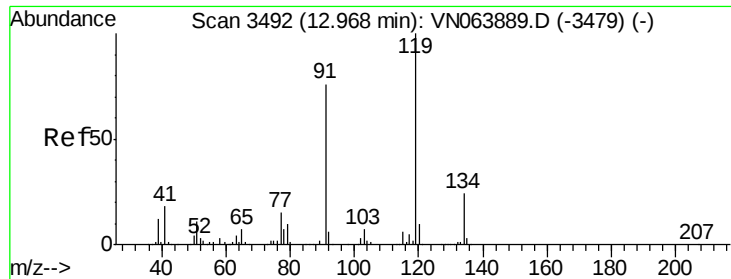
MMDadoda
10/7/2020 12:11:57 PM



#78
4-Chlorotoluene
Concen: 16.761 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	65.0





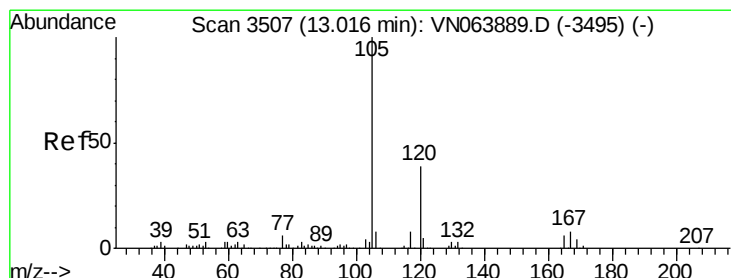
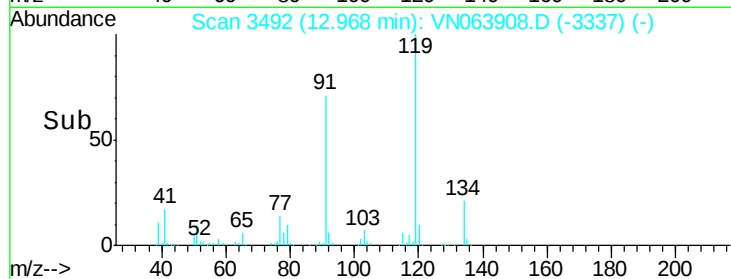
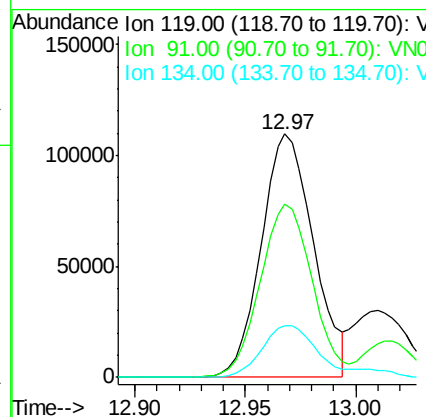
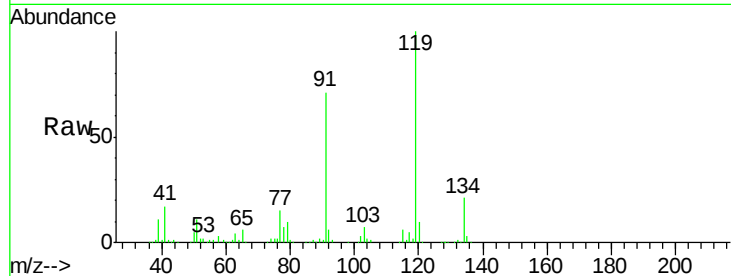
#79
tert-butylbenzene
Concen: 17.127 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	180486		
91	71.1	0.0	136.8	
134	22.1	0.0	48.8	

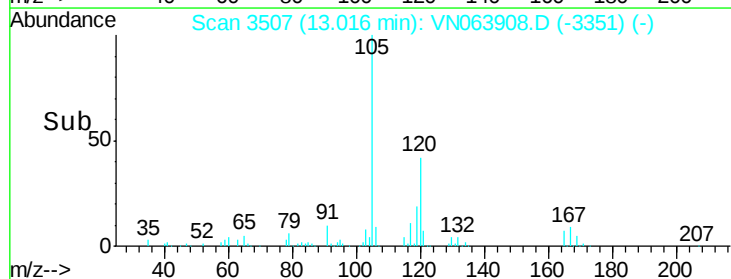
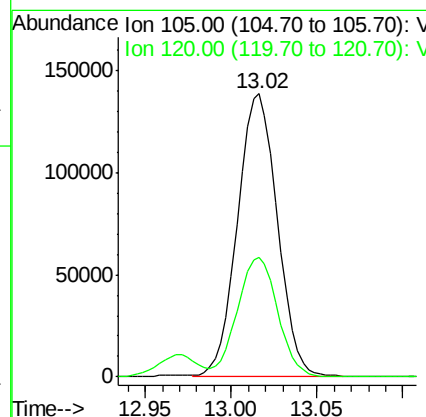
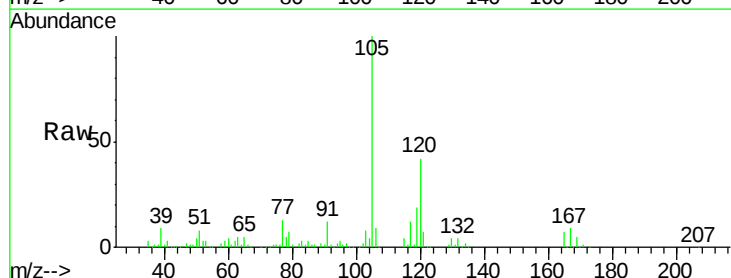
Manual Integrations
APPROVED

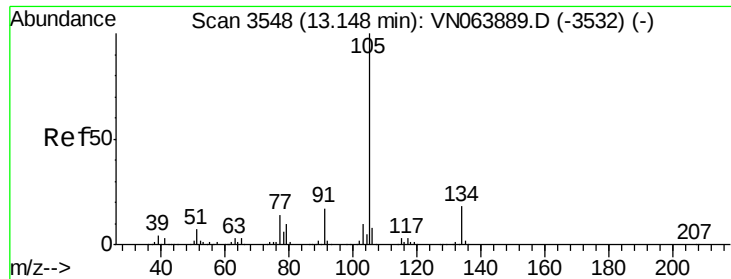
MMDadoda
10/7/2020 12:11:57 PM



#80
1,2,4-Trimethylbenzene
Concen: 16.813 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221703		
120	43.1	0.0	90.4	





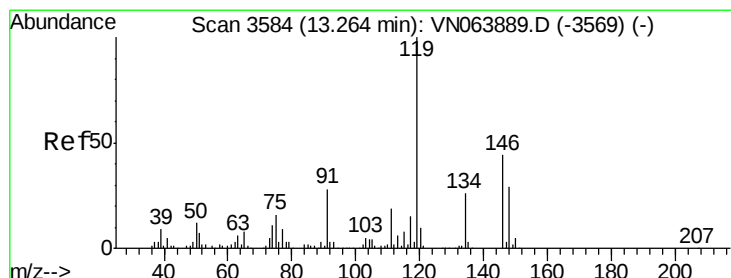
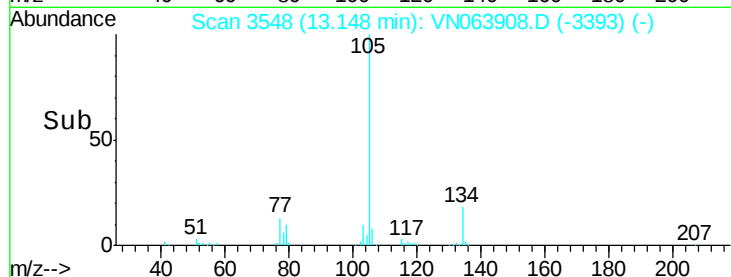
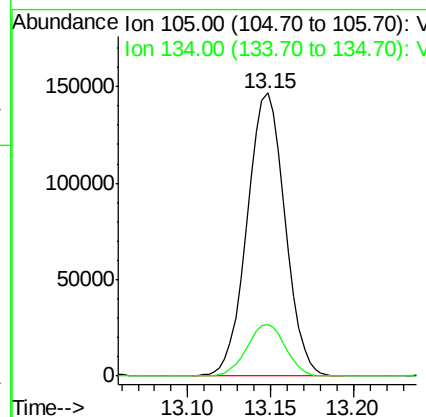
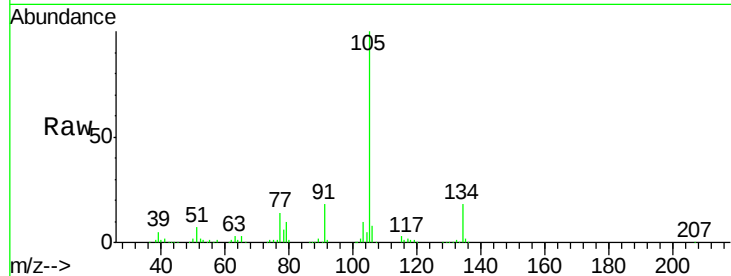
#81
 sec-Butylbenzene
 Concen: 16.847 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	0.0	39.4

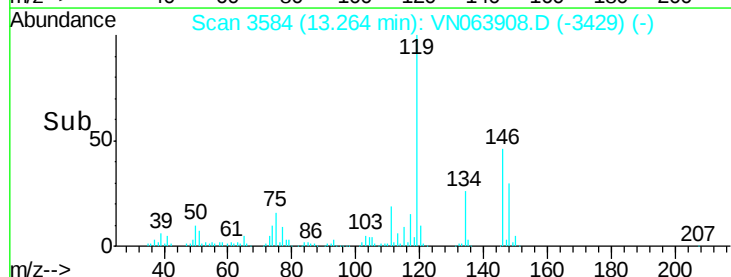
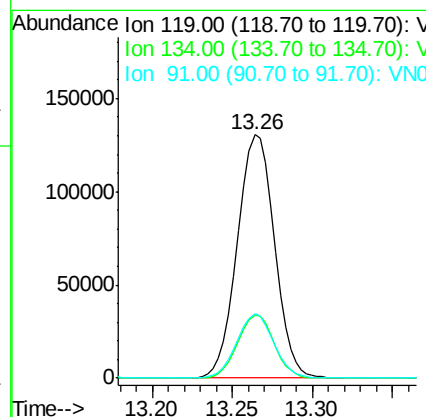
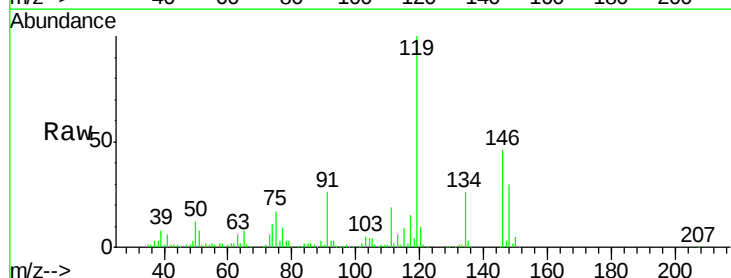
Manual Integrations
 APPROVED

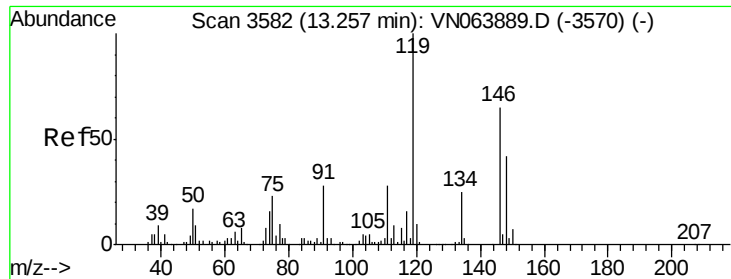
MMDadoda
 10/7/2020 12:11:57 PM



#82
 p-Isopropyltoluene
 Concen: 16.507 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	52.2
91	26.3	0.0	46.2





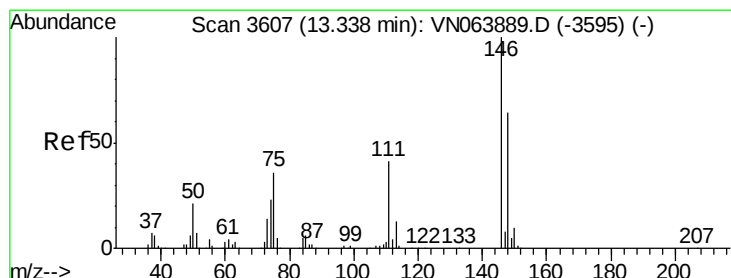
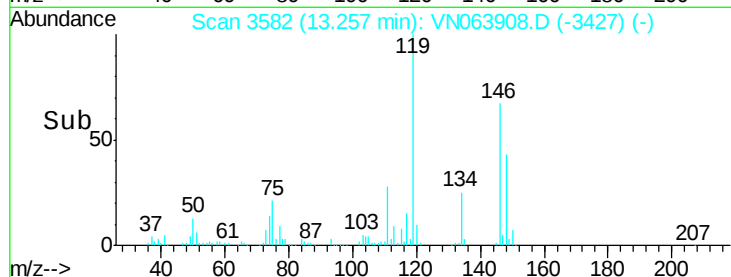
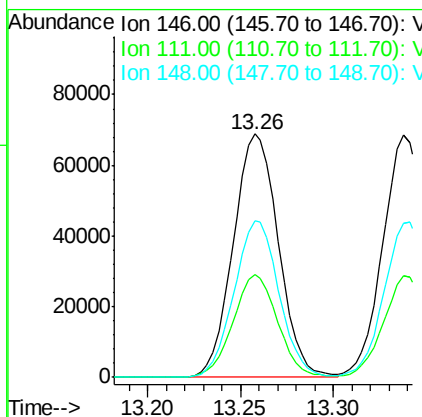
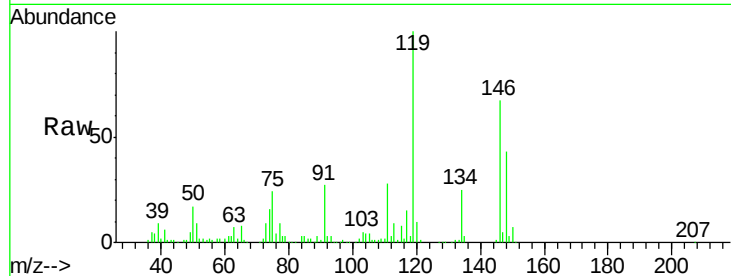
#83
 1,3-Dichlorobenzene
 Concen: 16.600 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.4	58.1
148	64.1	31.5	94.5

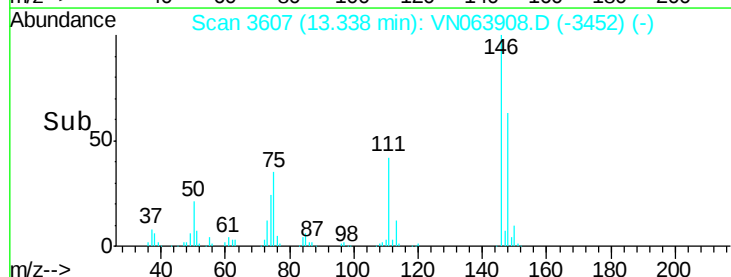
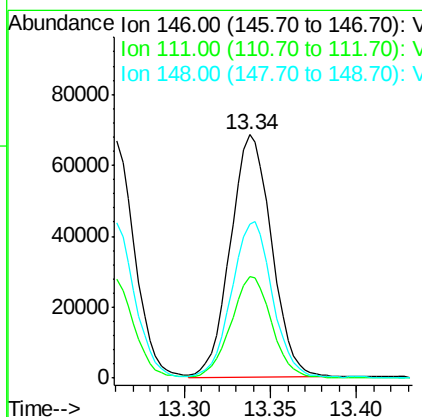
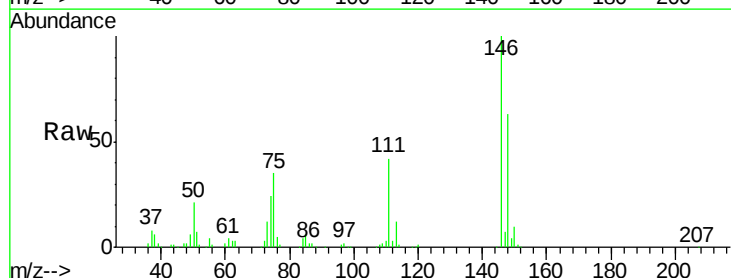
Manual Integrations
 APPROVED

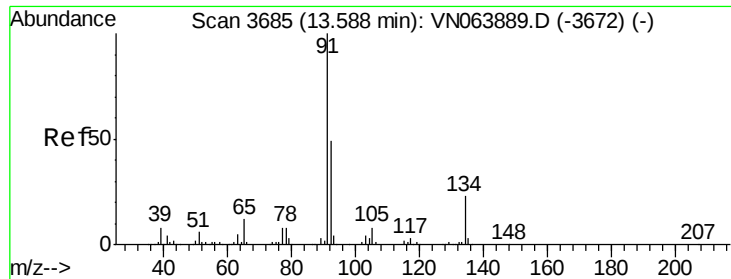
MMDadoda
 10/7/2020 12:11:57 PM



#84
 1,4-Dichlorobenzene
 Concen: 16.186 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.6	55.8
148	64.6	31.6	94.8





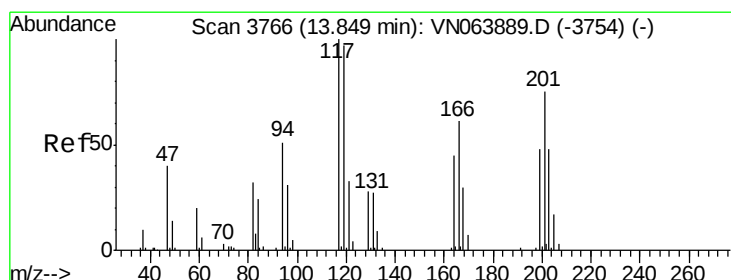
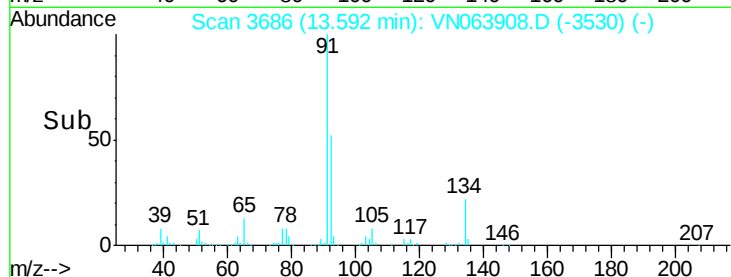
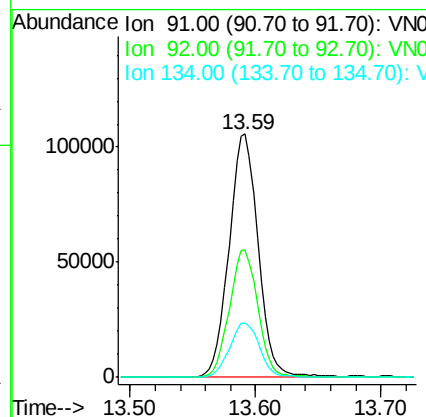
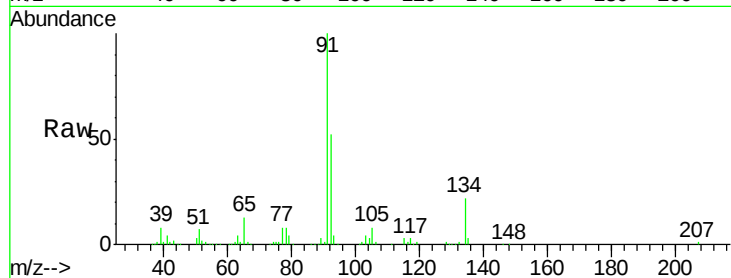
#85
n-Butylbenzene
Concen: 15.551 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	170333		
92	51.4		0.0	100.6
134	23.0		0.0	47.4

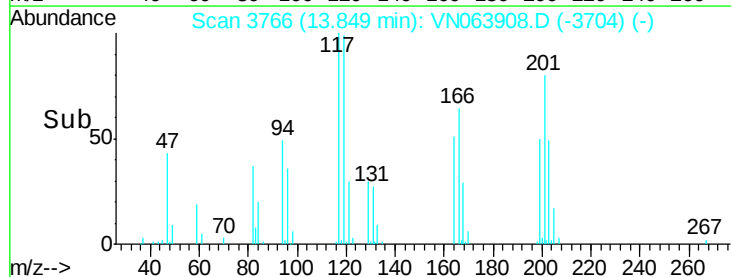
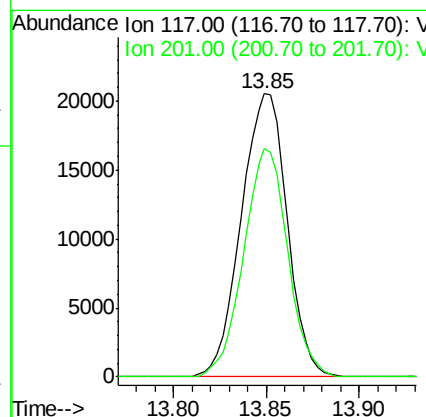
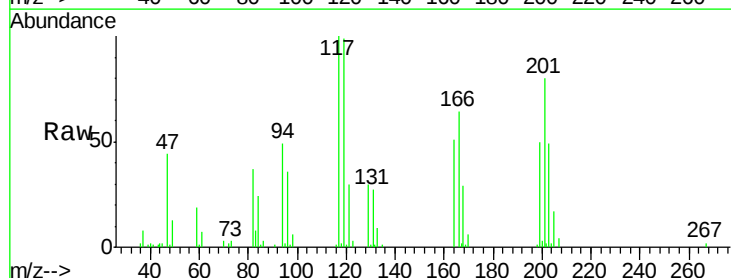
Manual Integrations
APPROVED

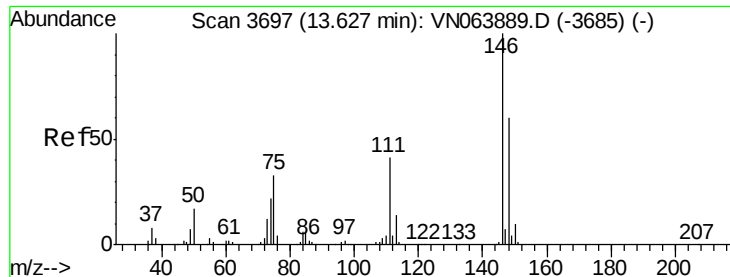
MMDadoda
10/7/2020 12:11:57 PM



#86
Hexachloroethane
Concen: 16.417 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35422		
201	77.3		46.1	138.3





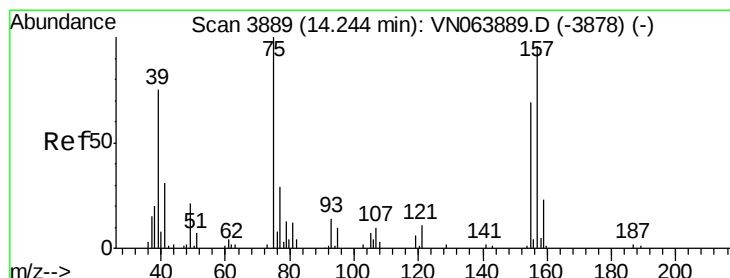
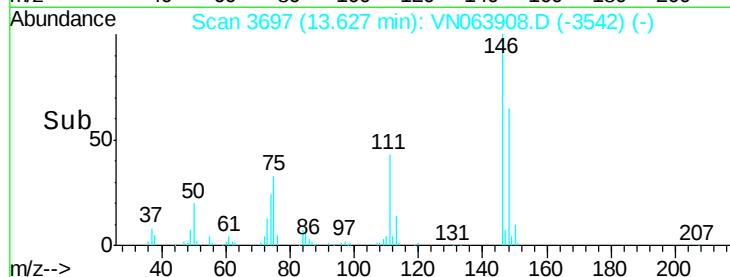
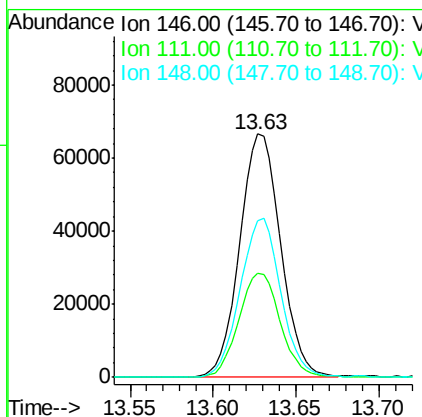
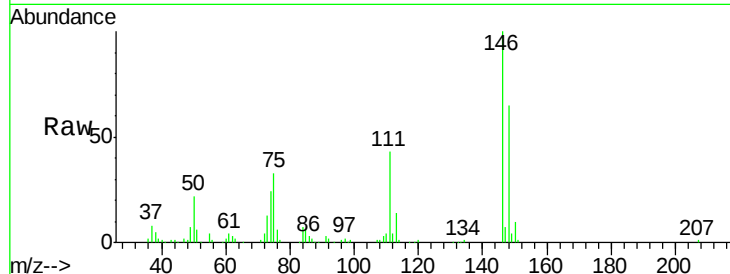
#87
 1,2-Dichlorobenzene
 Concen: 16.602 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.1	57.3
148	64.9	31.8	95.4

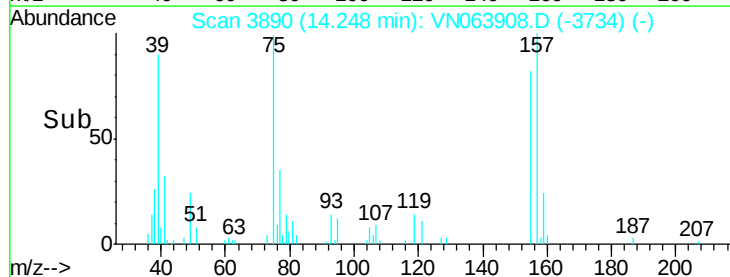
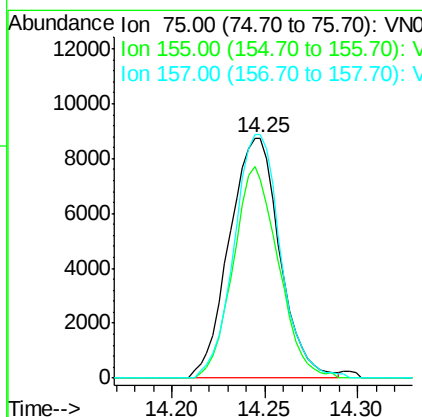
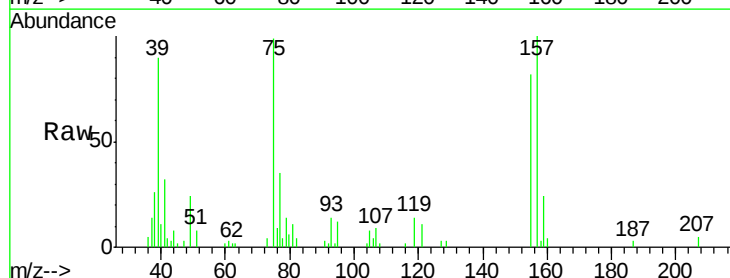
Manual Integrations
 APPROVED

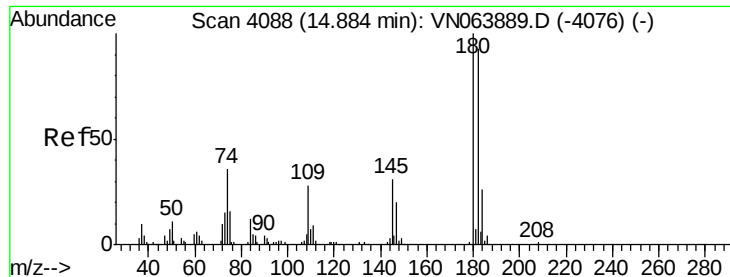
MMDadoda
 10/7/2020 12:11:57 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.083 ug/l
 RT: 14.25 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	64.8	97.2
157	92.4	81.2	121.8





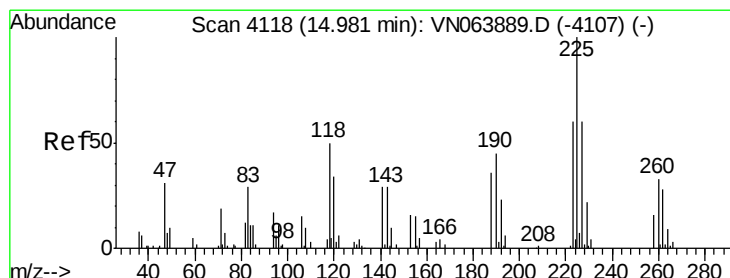
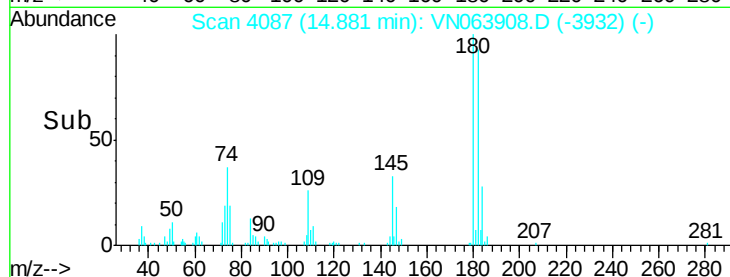
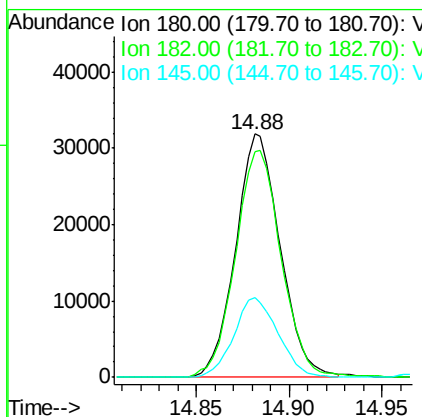
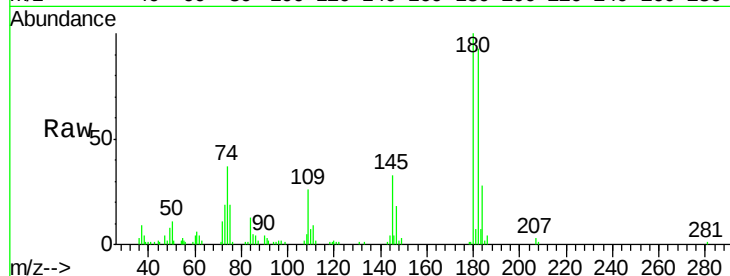
#89
 1,2,4-Trichlorobenzene
 Concen: 15.145 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.9	115.3
145	32.7	21.9	32.9

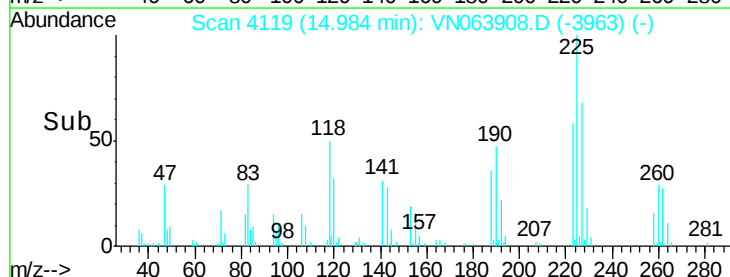
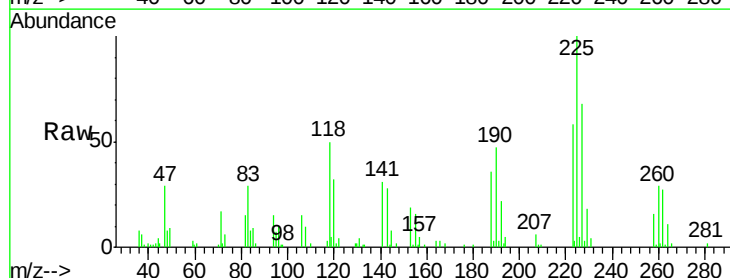
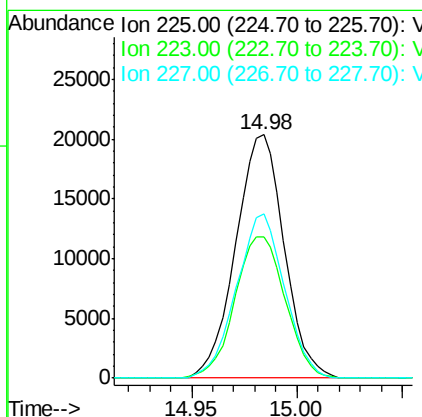
Manual Integrations
 APPROVED

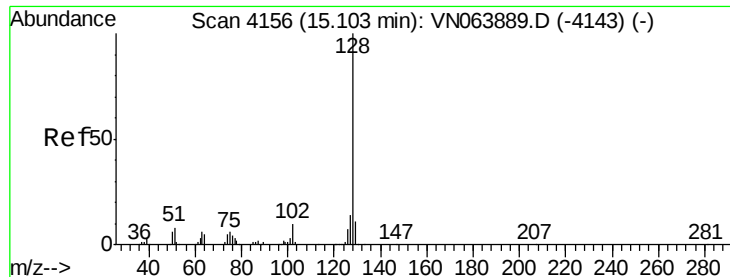
MMDadoda
 10/7/2020 12:11:57 PM



#90
 Hexachlorobutadiene
 Concen: 17.498 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063908.D
 Acq: 6 Oct 2020 21:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	0.0	122.8
227	67.0	0.0	125.6





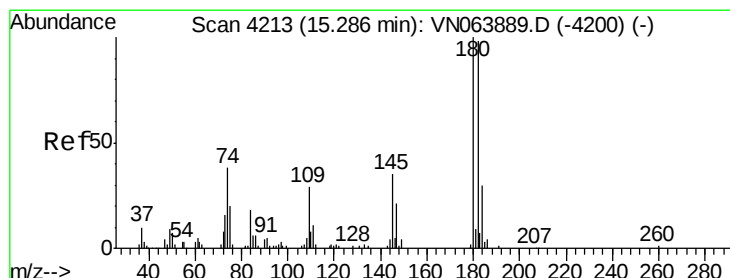
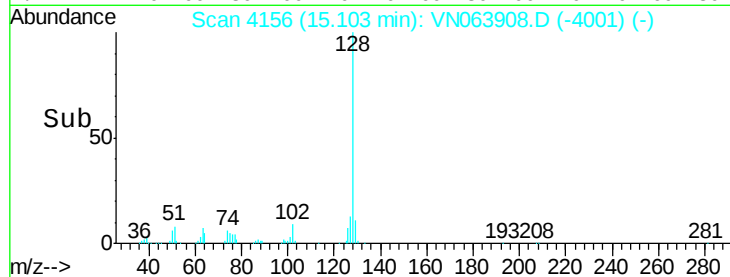
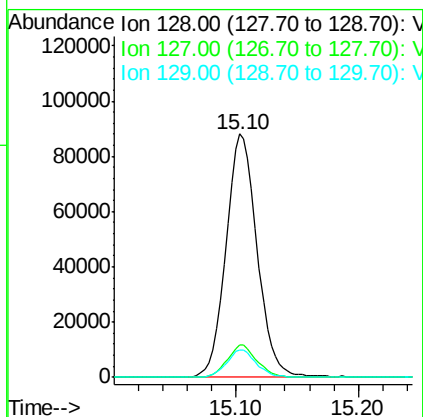
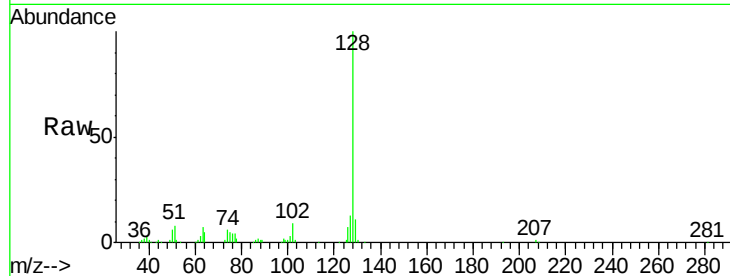
#91
Naphthalene
Concen: 14.644 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		157106		
127	12.7		11.1	16.7	
129	10.9		8.4	12.6	

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:57 PM



#92
1,2,3-Trichlorobenzene
Concen: 15.461 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063908.D
Acq: 6 Oct 2020 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		52816		
182	96.3		0.0	188.0	
145	35.4		0.0	62.0	

