

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064120.D
 Acq On : 14 Oct 2020 18:32
 Operator : JC/MD
 Sample : VN1014WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:32 PM

Quant Time: Oct 15 07:11:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	355210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	609062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	570919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	243357	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	7.55	113	198391	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.06	98	749463	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	12.38	95	249324	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	63332	18.924	ug/l	98
3) Chloromethane	2.04	50	77619	18.621	ug/l	100
4) Vinyl Chloride	2.16	62	92439	17.816	ug/l	99
5) Bromomethane	2.53	94	76164	19.560	ug/l	98
6) Chloroethane	2.68	64	70057	16.983	ug/l	99
7) Trichlorofluoromethane	2.98	101	126265	17.693	ug/l	99
8) Diethyl Ether	3.37	74	39505	17.694	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	65180	18.605	ug/l	98
10) Methyl Iodide	3.92	142	82062	16.615	ug/l	99
11) Tert butyl alcohol	4.73	59	51816	92.505	ug/l #	84
12) 1,1-Dichloroethene	3.70	96	63610	17.980	ug/l	92
13) Acrolein	3.57	56	37783	82.122	ug/l	100
14) Allyl chloride	4.28	41	99635	18.050	ug/l	98
15) Acrylonitrile	4.93	53	139090	86.482	ug/l	98
16) Acetone	3.78	43	142640	95.058	ug/l	99
17) Carbon Disulfide	4.02	76	182353	18.033	ug/l	100
18) Methyl Acetate	4.28	43	66570	17.685	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	192268	18.425	ug/l	97
20) Methylene Chloride	4.50	84	82538	17.776	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	72328	18.032	ug/l	98
22) Diisopropyl ether	5.90	45	203413	18.969	ug/l	94
23) Vinyl Acetate	5.85	43	886648	92.564	ug/l	99
24) 1,1-Dichloroethane	5.80	63	134950	18.021	ug/l	97
25) 2-Butanone	6.79	43	206611	89.518	ug/l	99
26) 2,2-Dichloropropane	6.78	77	117760	18.901	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	82971	17.584	ug/l	97
28) Bromochloromethane	7.15	49	64737	18.150	ug/l #	99
29) Tetrahydrofuran	7.17	42	119647	88.700	ug/l	100
30) Chloroform	7.33	83	146500	18.364	ug/l	98
31) Cyclohexane	7.61	56	99408	17.775	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	126281	18.318	ug/l	99
36) 1,1-Dichloropropene	7.75	75	99351	16.924	ug/l	99
37) Ethyl Acetate	6.88	43	81586	15.660	ug/l #	96
38) Carbon Tetrachloride	7.73	117	111134	17.605	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064120.D
 Acq On : 14 Oct 2020 18:32
 Operator : JC/MD
 Sample : VN1014WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN1014WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:32 PM

Quant Time: Oct 15 07:11:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	88545	17.941	ug/l	96
40) Benzene	8.00	78	315960	17.773	ug/l	96
41) Methacrylonitrile	7.13	41	42527	18.854	ug/l	95
42) 1,2-Dichloroethane	8.09	62	113670	17.970	ug/l	99
43) Isopropyl Acetate	8.13	43	150170	17.370	ug/l	99
44) Trichloroethene	8.80	130	84106	17.992	ug/l	96
45) 1,2-Dichloropropane	9.08	63	85285	18.310	ug/l	98
46) Dibromomethane	9.17	93	57670	17.452	ug/l	99
47) Bromodichloromethane	9.37	83	116261	17.982	ug/l	99
48) Methyl methacrylate	9.17	41	70107	17.555	ug/l	98
49) 1,4-Dioxane	9.17	88	20107	331.576	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	457003	89.331	ug/l	100
52) Toluene	10.13	92	199175	18.234	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	116832	17.612	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	132861	18.228	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	78818	17.417	ug/l	97
56) Ethyl methacrylate	10.40	69	103154	17.308	ug/l	97
57) 1,3-Dichloropropane	10.68	76	132829	17.823	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	262210	87.008	ug/l	99
59) 2-Hexanone	10.72	43	325152	86.816	ug/l	98
60) Dibromochloromethane	10.87	129	88728	17.455	ug/l	99
61) 1,2-Dibromoethane	10.98	107	83102	18.042	ug/l	99
64) Tetrachloroethene	10.60	164	76778	17.837	ug/l	97
65) Chlorobenzene	11.41	112	212883	17.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	83993	18.401	ug/l	97
67) Ethyl Benzene	11.49	91	366606	18.203	ug/l	99
68) m/p-Xylenes	11.59	106	278342	34.982	ug/l	98
69) o-Xylene	11.92	106	131839	17.652	ug/l	98
70) Styrene	11.94	104	217277	17.251	ug/l	99
71) Bromoform	12.10	173	59131	17.170	ug/l #	98
73) Isopropylbenzene	12.22	105	341685	18.543	ug/l	99
74) N-amyl acetate	12.05	43	117349	17.006	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	110020	17.342	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	99592m	16.688	ug/l	
77) Bromobenzene	12.50	156	91884	18.368	ug/l	99
78) n-propylbenzene	12.57	91	385415	18.740	ug/l	100
79) 2-Chlorotoluene	12.65	91	235973	18.041	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	279425	18.893	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	32588	16.683	ug/l	95
82) 4-Chlorotoluene	12.75	91	244275	18.530	ug/l	98
83) tert-Butylbenzene	12.97	119	229869	18.793	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	274629	17.934	ug/l	100
85) sec-Butylbenzene	13.14	105	298059	18.955	ug/l	100
86) p-Isopropyltoluene	13.26	119	262117	18.053	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	153519	18.419	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	153008	17.949	ug/l	97
89) n-Butylbenzene	13.59	91	206513	18.024	ug/l	100
90) Hexachloroethane	13.85	117	46242	17.671	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	153070	18.452	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20447	16.746	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
Data File : VN064120.D
Acq On : 14 Oct 2020 18:32
Operator : JC/MD
Sample : VN1014WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

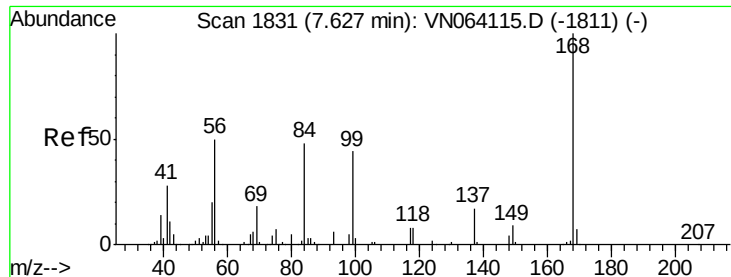
Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM

Quant Time: Oct 15 07:11:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	61868	17.402	ug/l	97
94) Hexachlorobutadiene	14.98	225	36188	18.312	ug/l	99
95) Naphthalene	15.10	128	181386	17.259	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	63278	17.520	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion:168 Resp: 355210

Ion Ratio Lower Upper

168 100

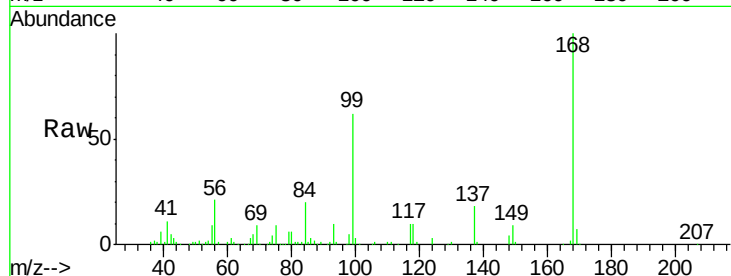
99 61.1 43.6 65.4

Manual Integrations

APPROVED

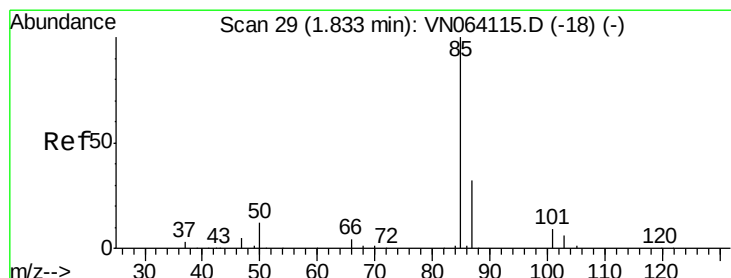
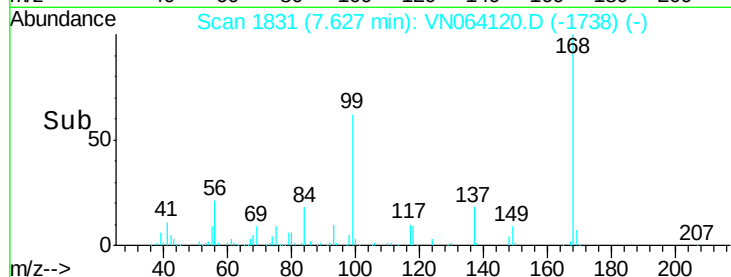
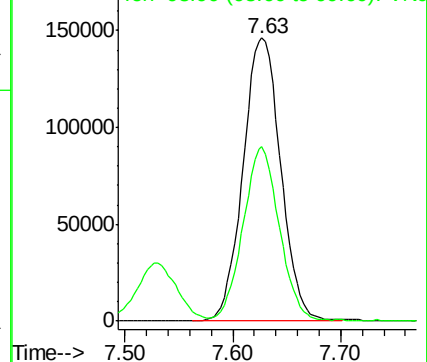
MMDadoda

10/15/2020 12:17:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.924 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064120.D

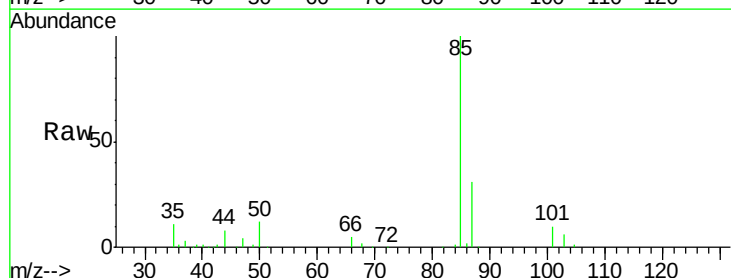
Acq: 14 Oct 2020 18:32

Tgt Ion: 85 Resp: 63332

Ion Ratio Lower Upper

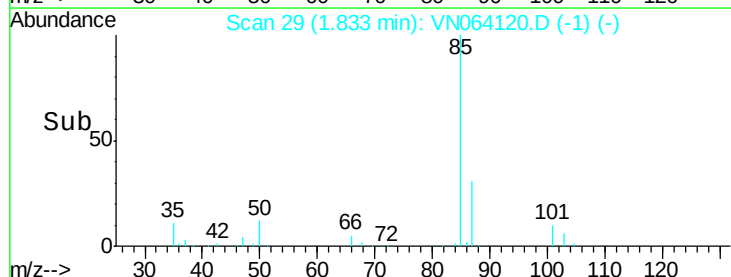
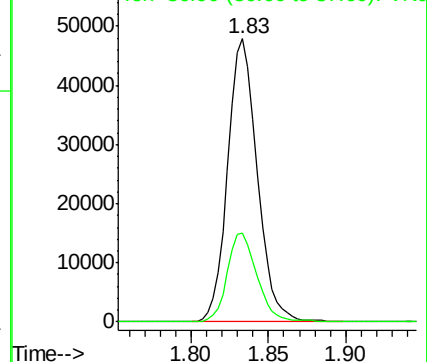
85 100

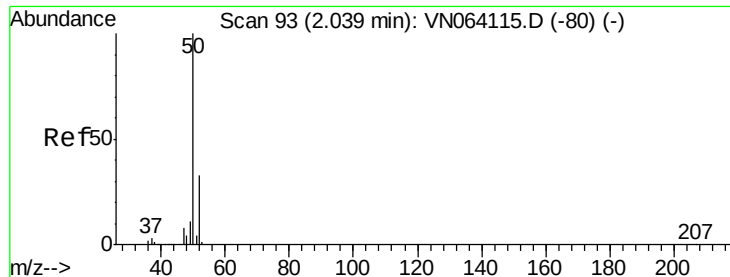
87 31.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.621 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 50 Resp: 77619

Ion Ratio Lower Upper

50 100

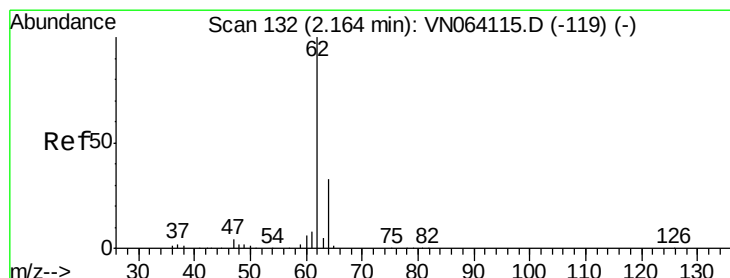
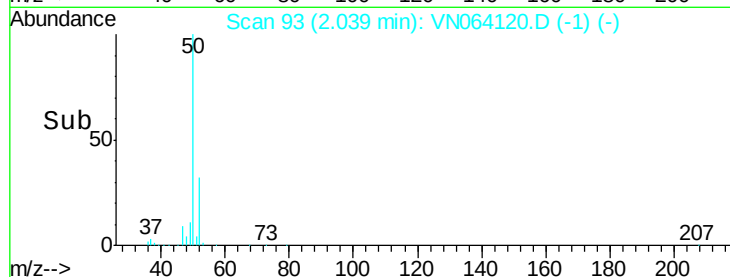
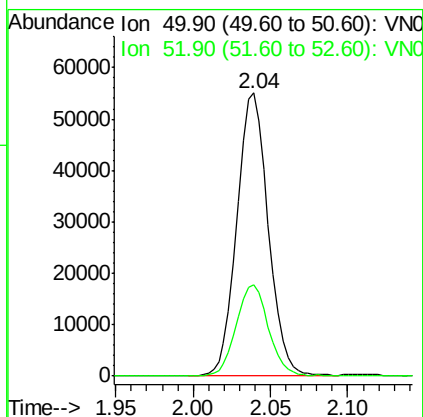
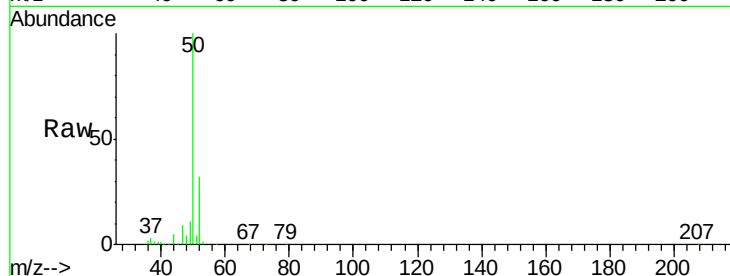
52 32.5 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



#4

Vinyl Chloride

Concen: 17.816 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064120.D

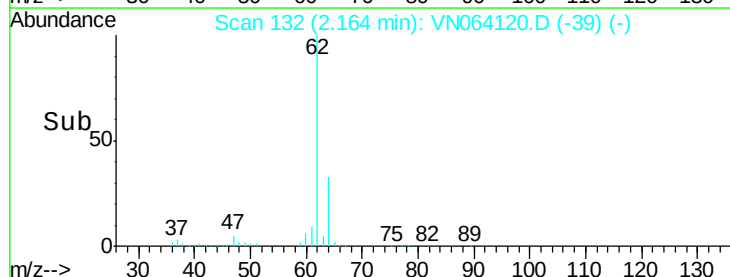
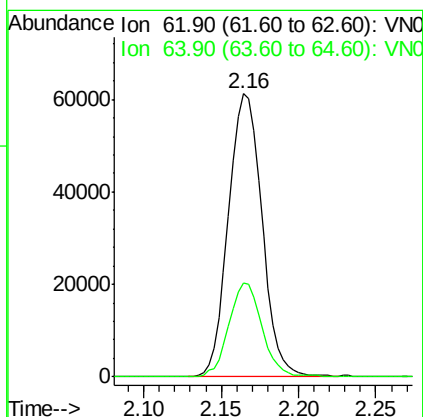
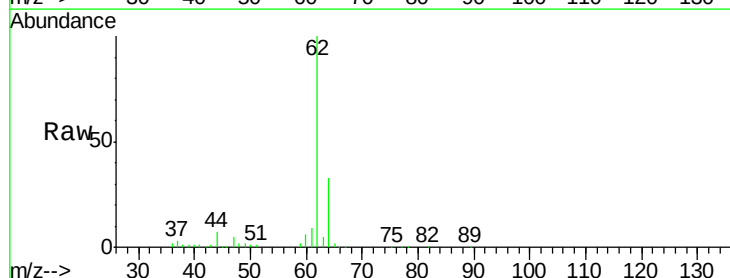
Acq: 14 Oct 2020 18:32

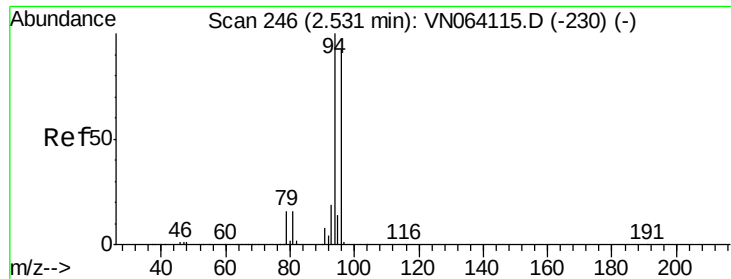
Tgt Ion: 62 Resp: 92439

Ion Ratio Lower Upper

62 100

64 33.1 26.2 39.4





#5

Bromomethane

Concen: 19.560 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 94 Resp: 76164

Ion Ratio Lower Upper

94 100

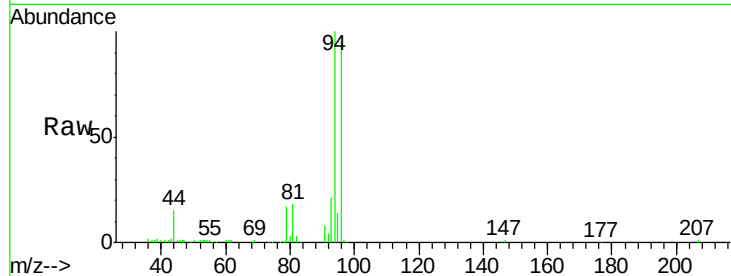
96 94.0 73.5 110.3

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

40000

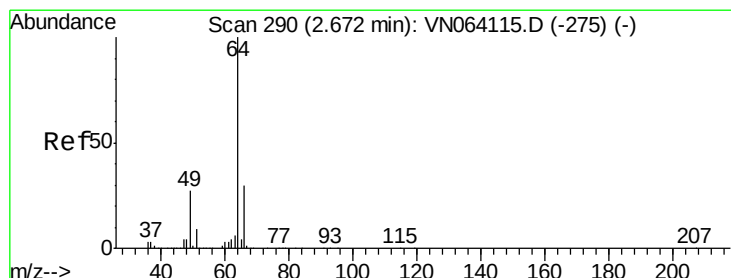
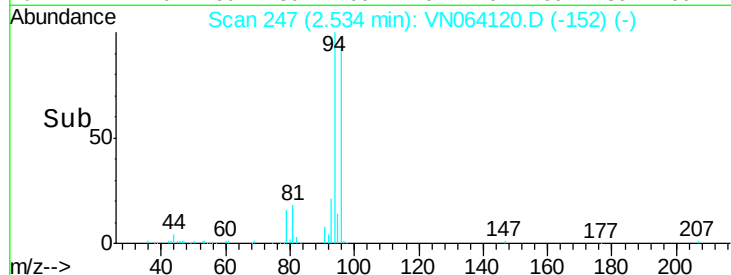
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 16.983 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064120.D

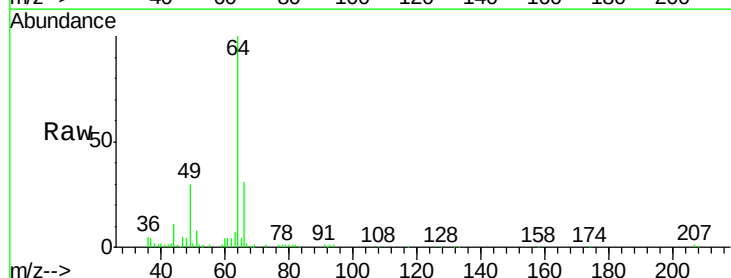
Acq: 14 Oct 2020 18:32

Tgt Ion: 64 Resp: 70057

Ion Ratio Lower Upper

64 100

66 30.5 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

40000

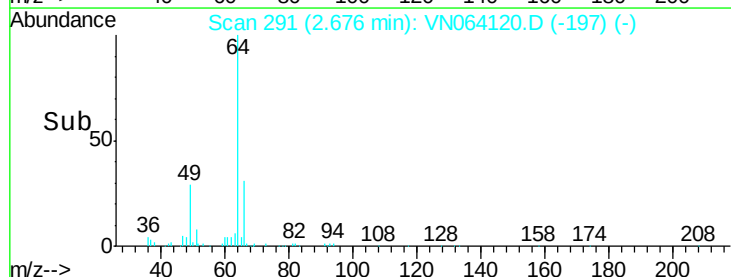
30000

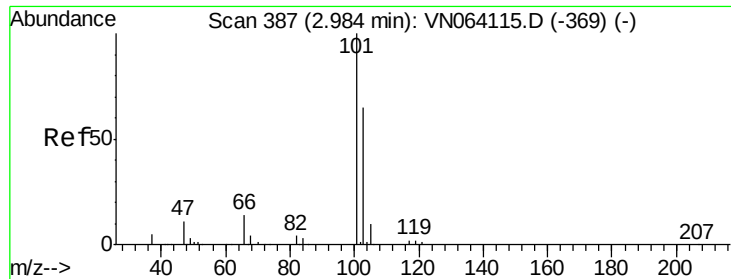
20000

10000

0

Time--> 2.60 2.65 2.70 2.75





#7

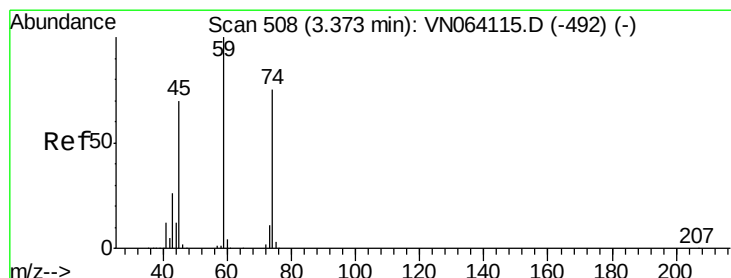
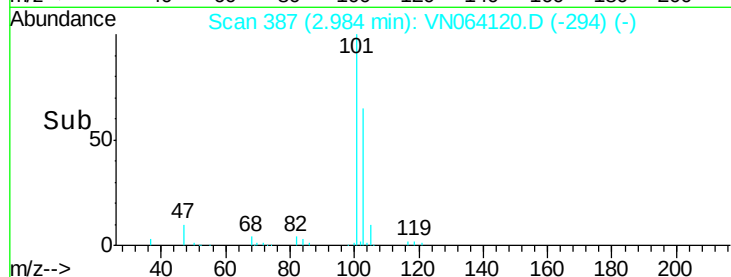
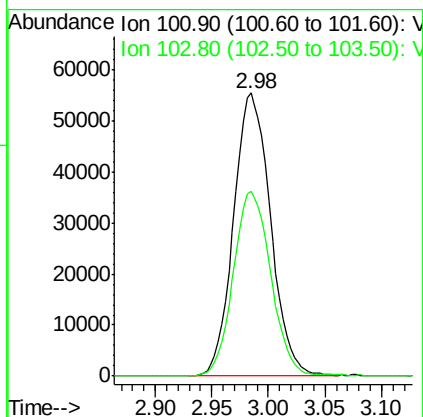
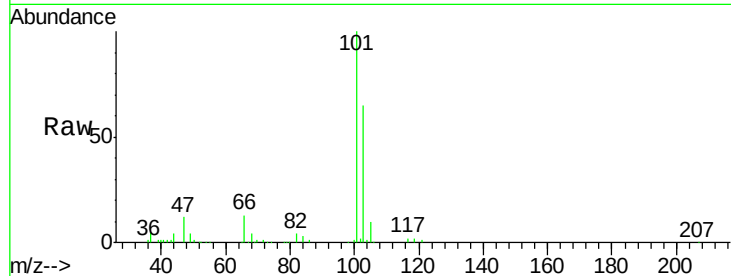
Trichlorofluoromethane
Concen: 17.693 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	126265		
103	65.4	51.8	77.6	

Manual Integrations
APPROVED

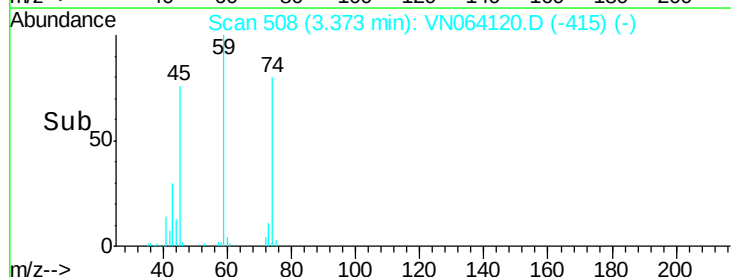
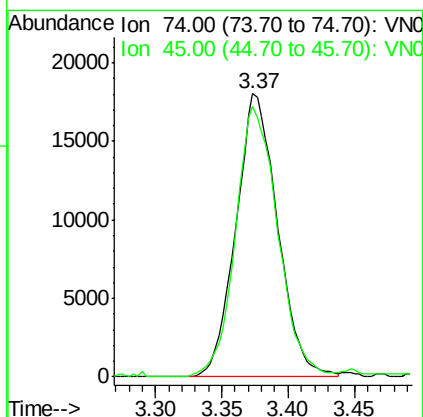
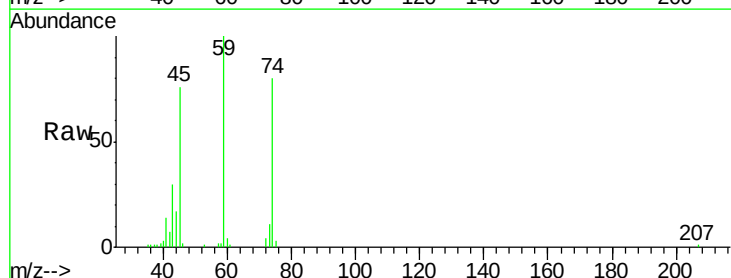
MMDadoda
10/15/2020 12:17:32 PM

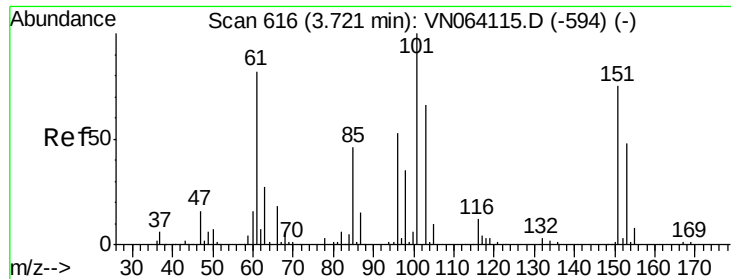


#8

Diethyl Ether
Concen: 17.694 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39505		
45	96.5	47.0	141.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.605 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

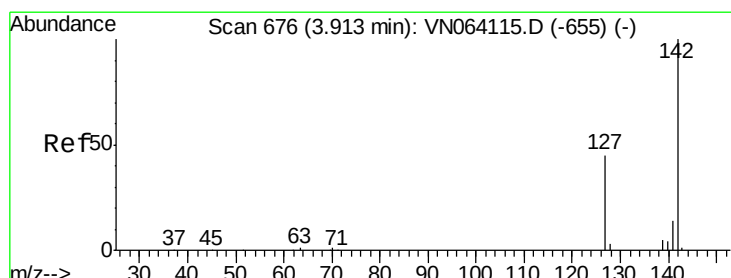
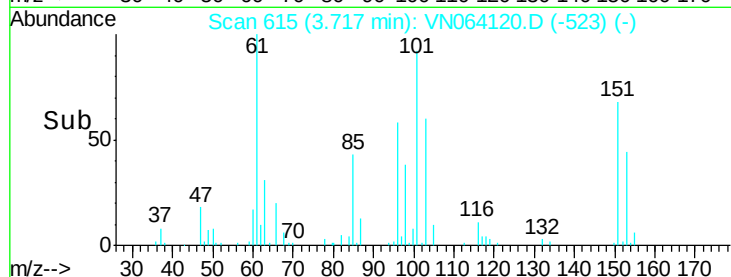
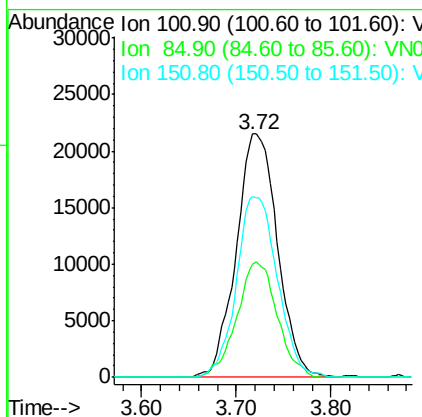
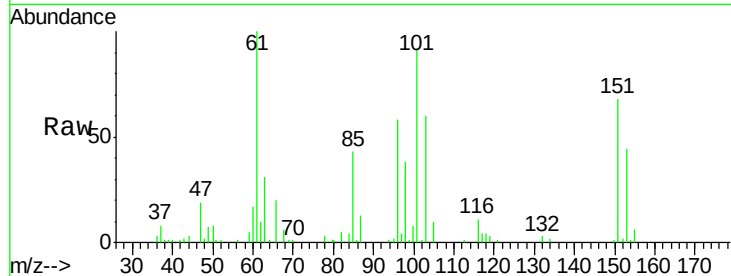
ClientSampleId :

VN1014WBS01

Tot Ion:	101	Resp:	65180
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.9	55.3
151	73.9	60.7	91.1

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#10

Methyl Iodide

Concen: 16.615 ug/l

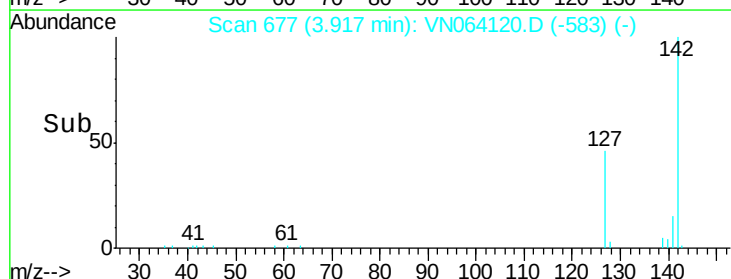
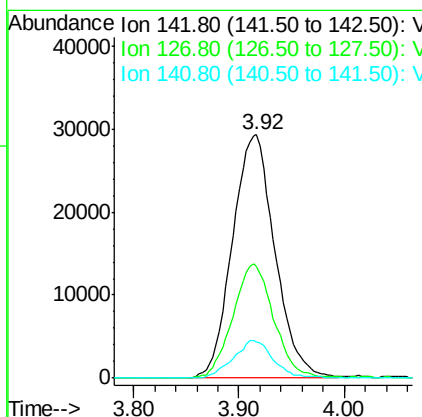
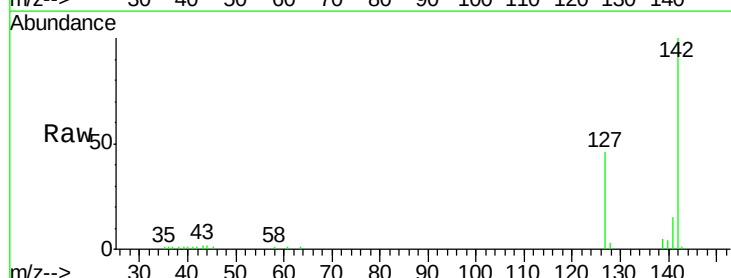
RT: 3.92 min Scan# 677

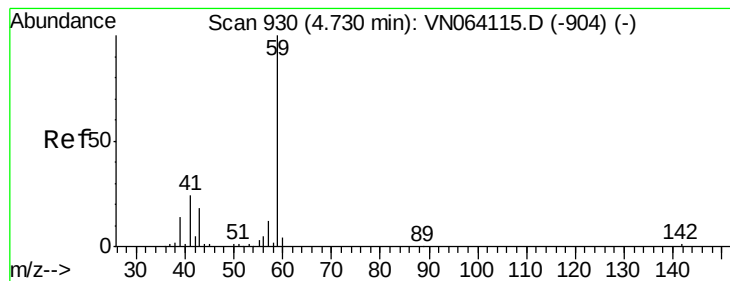
Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion:	142	Resp:	82062
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.3	54.5
141	14.5	11.6	17.4





#11

Tert butyl alcohol

Concen: 92.505 ug/l

RT: 4.73 min Scan# 930

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 59 Resp: 51816

Ion Ratio Lower Upper

59 100

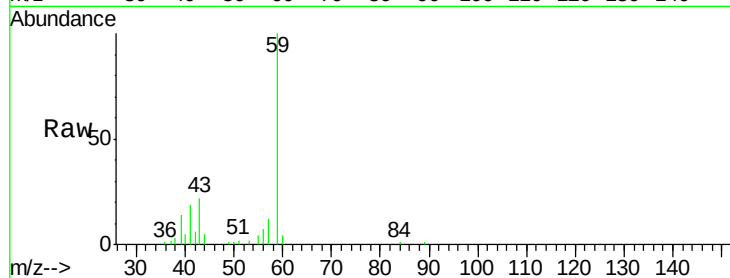
57 4.8 8.9 13.3#

Manual Integrations

APPROVED

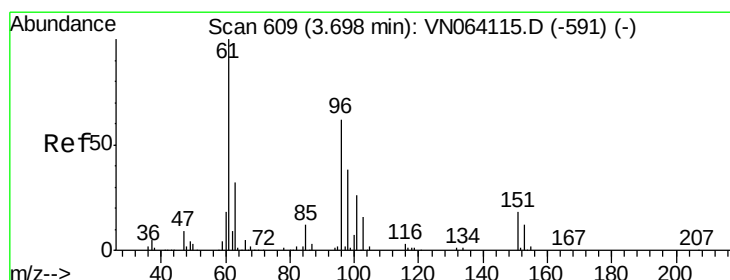
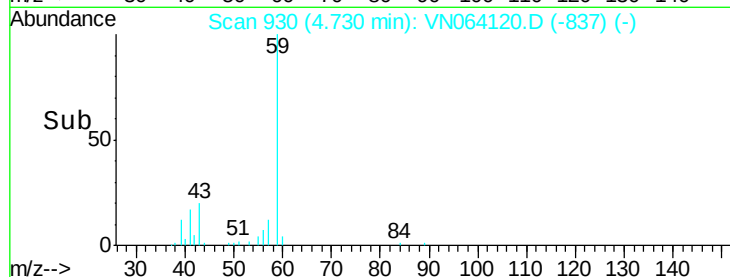
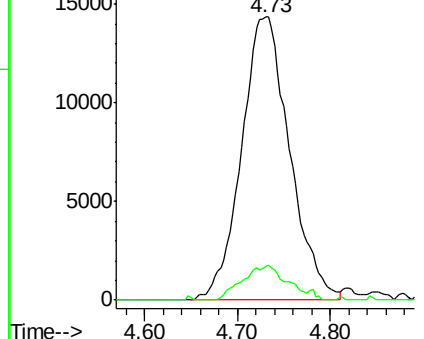
MMDadoda

10/15/2020 12:17:32 PM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.980 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

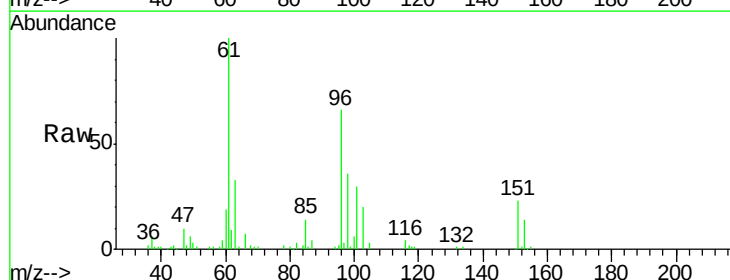
Tgt Ion: 96 Resp: 63610

Ion Ratio Lower Upper

96 100

61 151.5 129.9 194.9

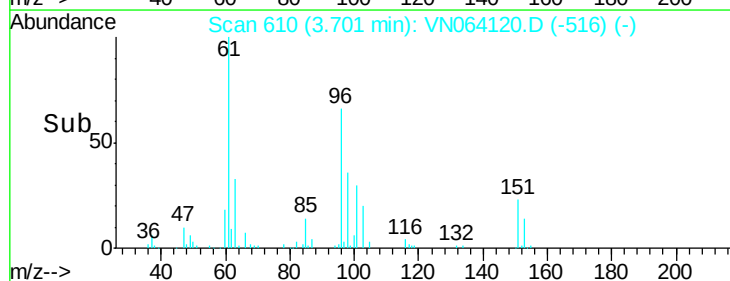
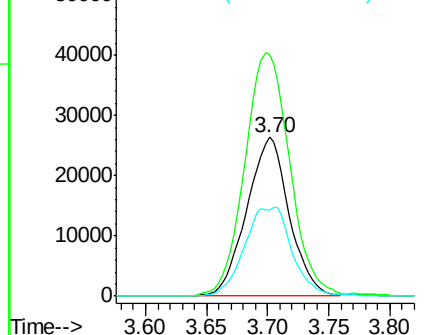
98 54.1 48.9 73.3

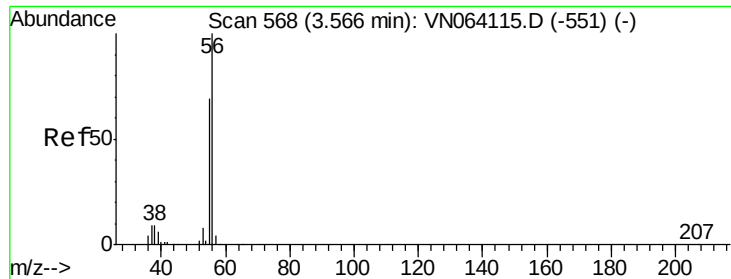


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 82.122 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 56 Resp: 37783

Ion Ratio Lower Upper

56 100

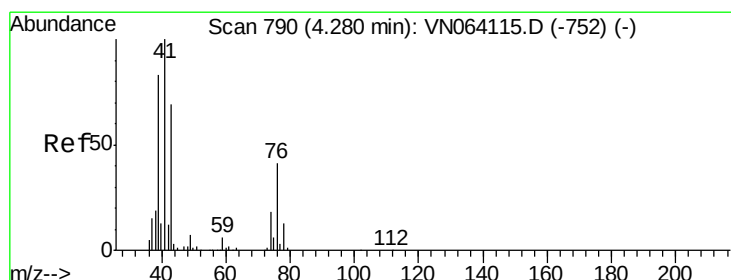
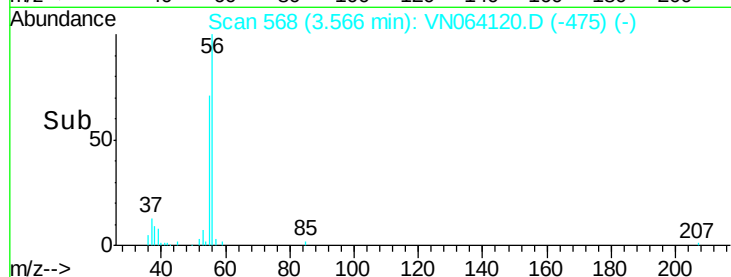
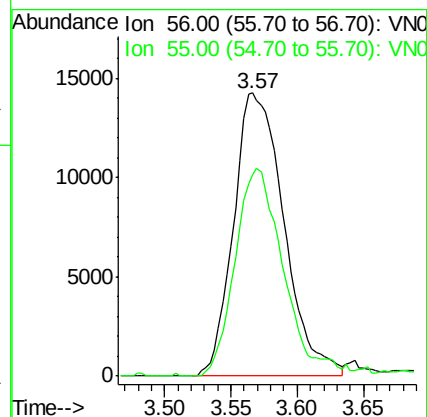
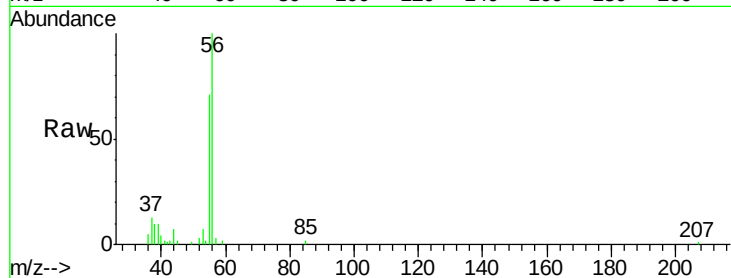
55 69.9 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



#14

Allyl chloride

Concen: 18.050 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

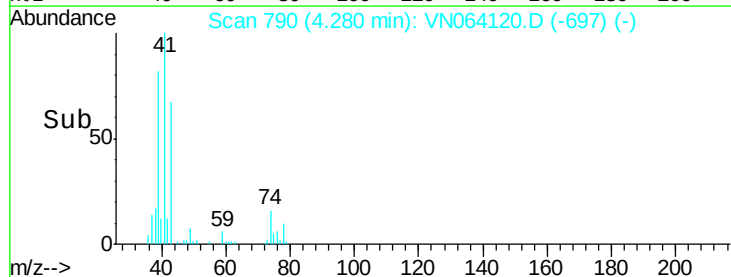
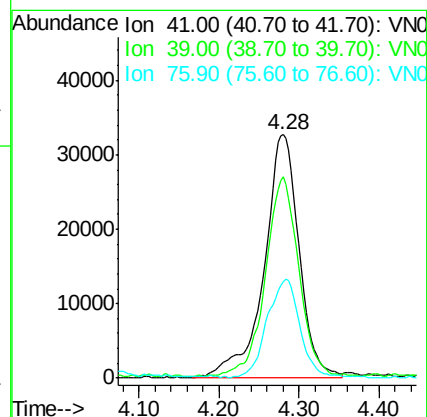
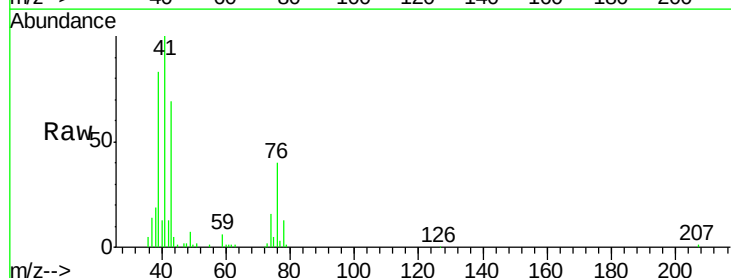
Tgt Ion: 41 Resp: 99635

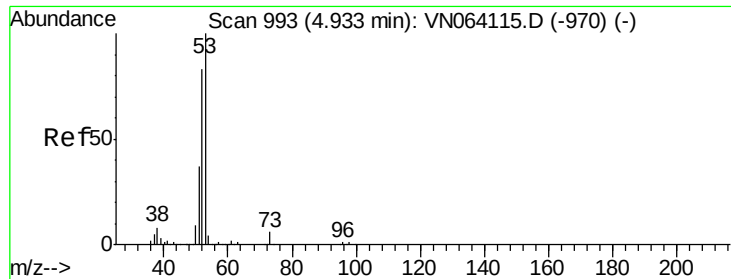
Ion Ratio Lower Upper

41 100

39 76.9 60.5 90.7

76 37.9 29.5 44.3





#15

Acrylonitrile

Concen: 86.482 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

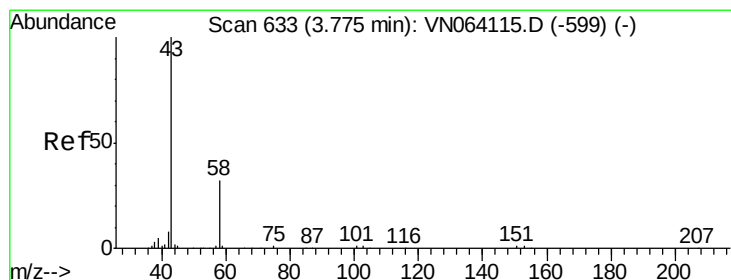
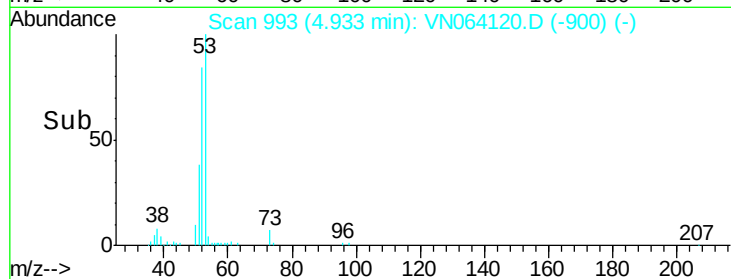
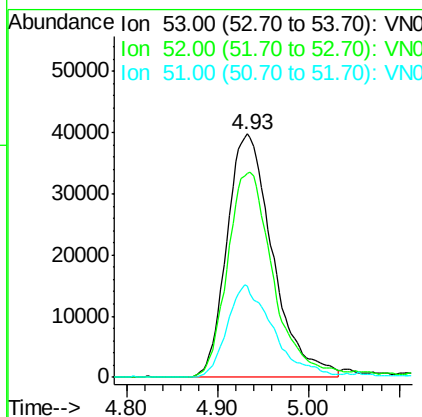
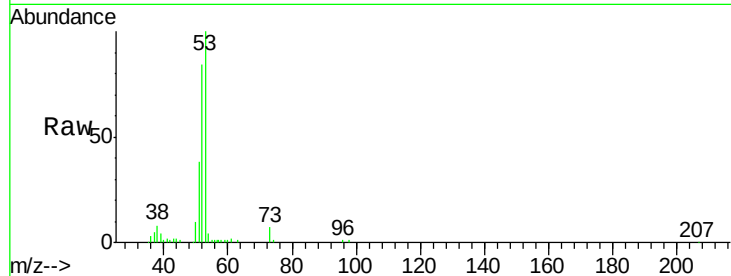
ClientSampleId :

VN1014WBS01

Tot Ion:	53	Resp:	139090
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.8	98.6
51	38.1	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#16

Acetone

Concen: 95.058 ug/l

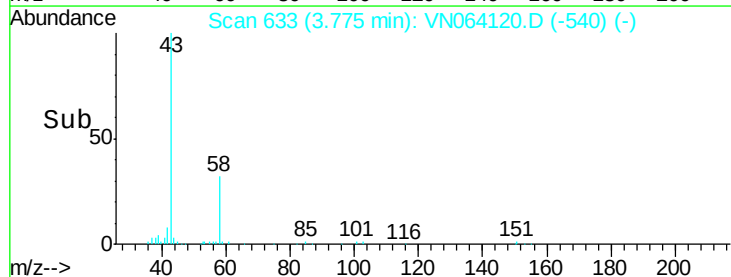
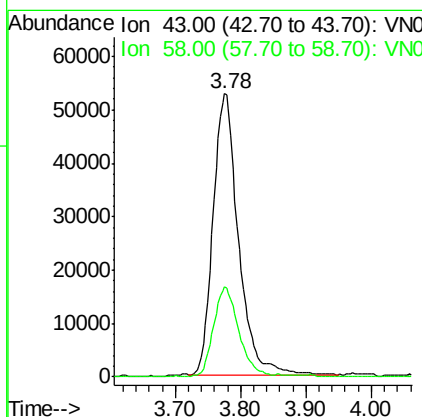
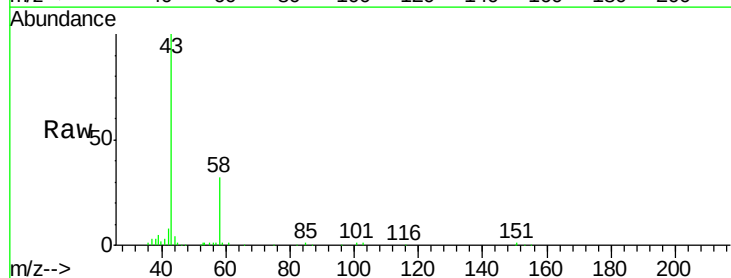
RT: 3.78 min Scan# 633

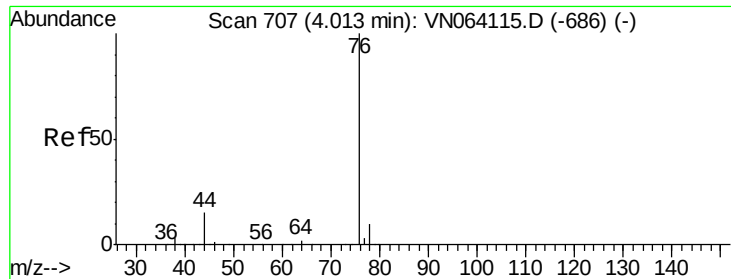
Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion:	43	Resp:	142640
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.2	37.8





#17

Carbon Disulfide

Concen: 18.033 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 76 Resp: 182353

Ion Ratio Lower Upper

76 100

78 9.3

7.6

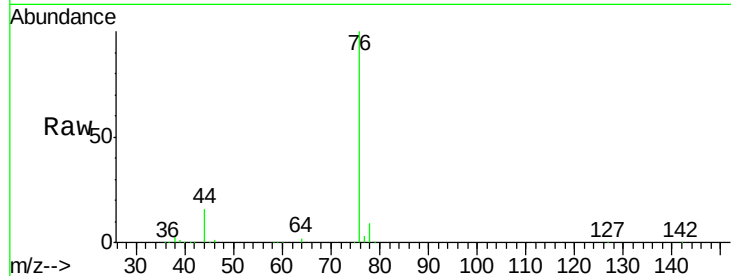
11.4

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



Abundance Ion 75.90 (75.60 to 76.60): VN064115.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN064120.D (-614) (-)

4.02

80000

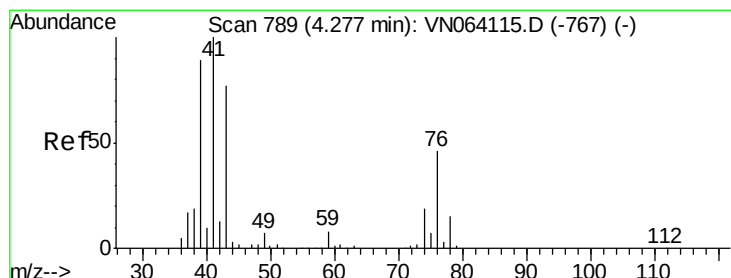
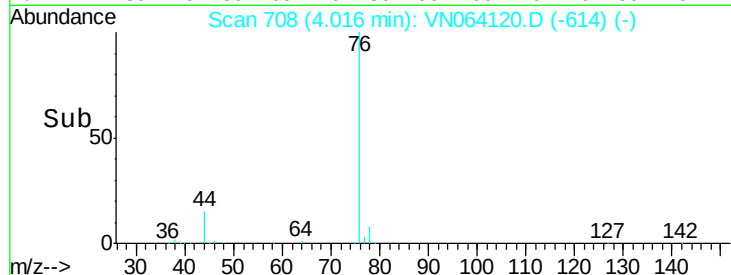
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 17.685 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion: 43 Resp: 66570

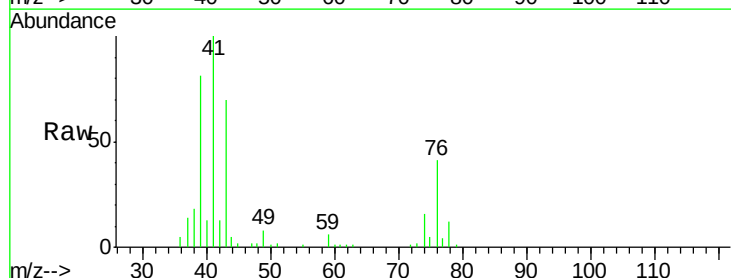
Ion Ratio Lower Upper

43 100

74 24.3

19.7

29.5



Abundance Ion 43.00 (42.70 to 43.70): VN064115.D (-767) (-)

Ion 74.00 (73.70 to 74.70): VN064120.D (-696) (-)

4.28

25000

20000

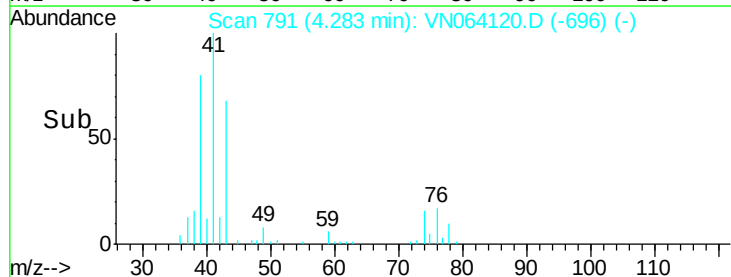
15000

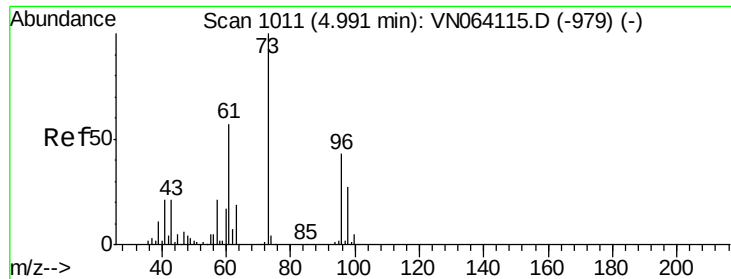
10000

5000

0

Time-->





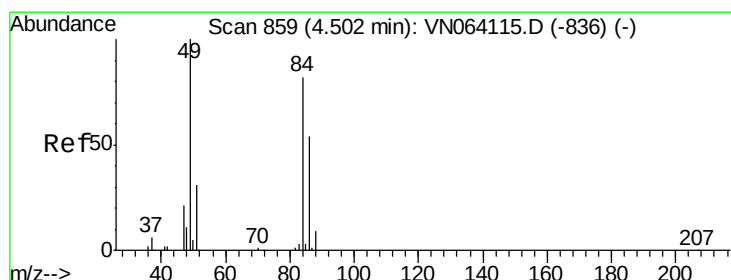
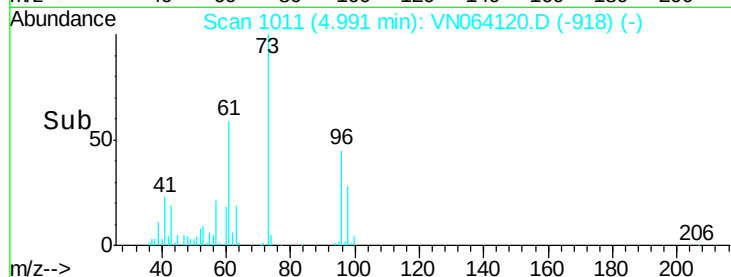
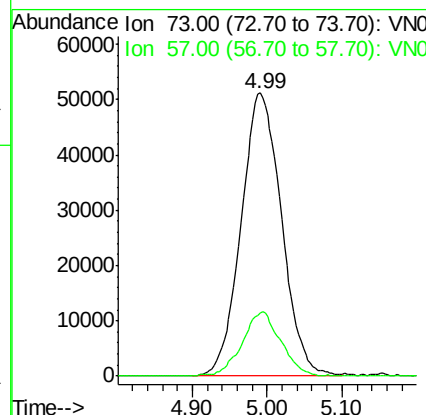
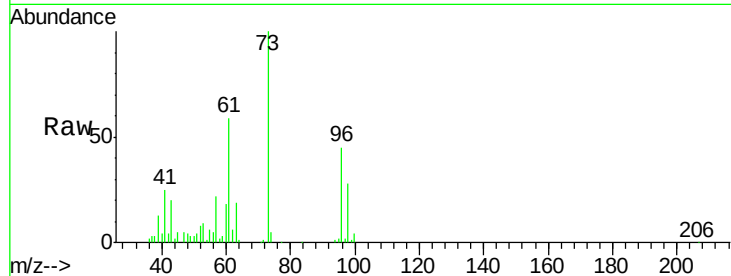
#19
Methyl tert-butyl Ether
Concen: 18.425 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion: 73 Resp: 192268
Ion Ratio Lower Upper
73 100
57 22.5 17.0 25.4

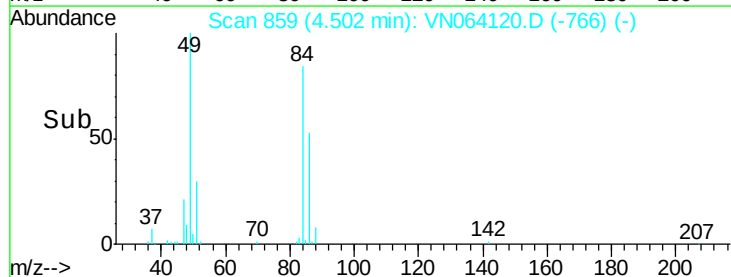
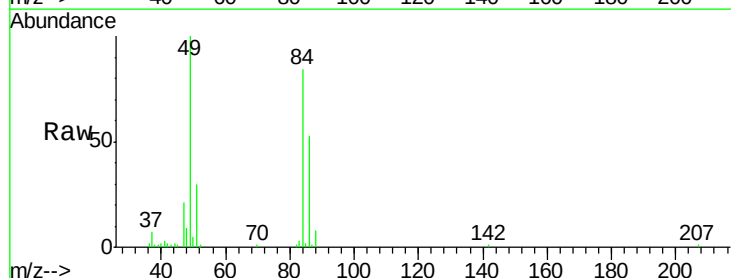
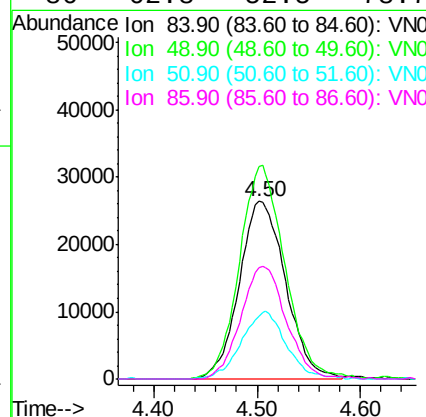
Manual Integrations
APPROVED

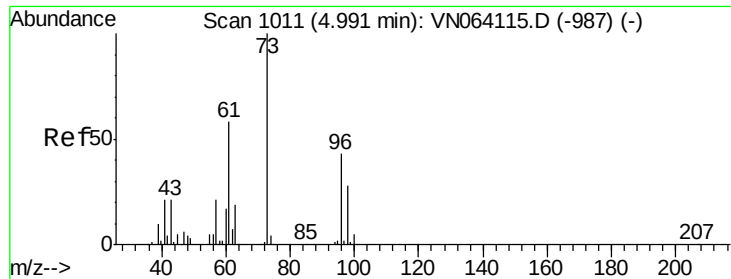
MMDadoda
10/15/2020 12:17:32 PM



#20
Methylene Chloride
Concen: 17.776 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion: 84 Resp: 82538
Ion Ratio Lower Upper
84 100
49 118.7 97.4 146.0
51 35.5 29.7 44.5
86 62.8 52.5 78.7





#21

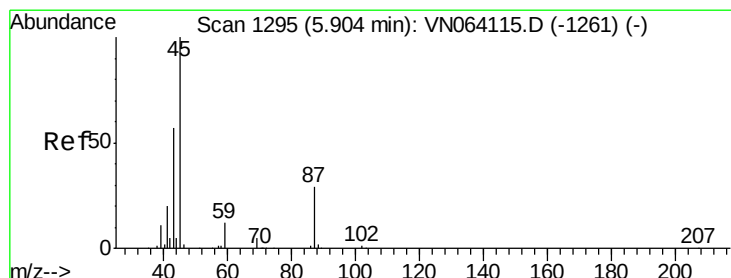
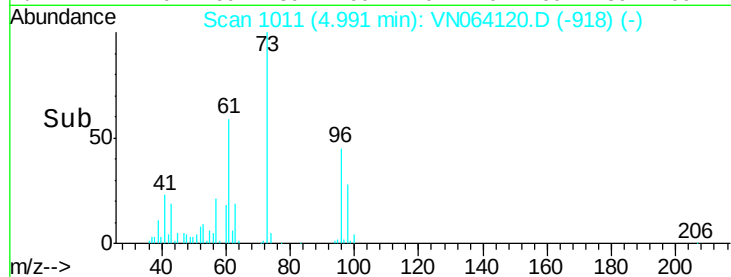
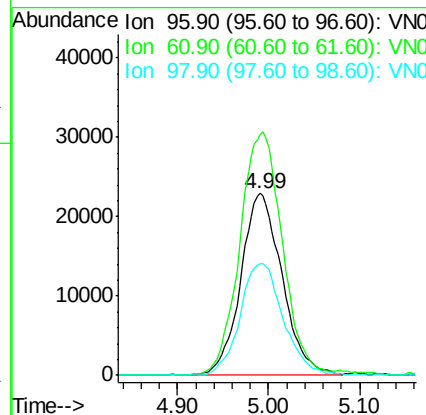
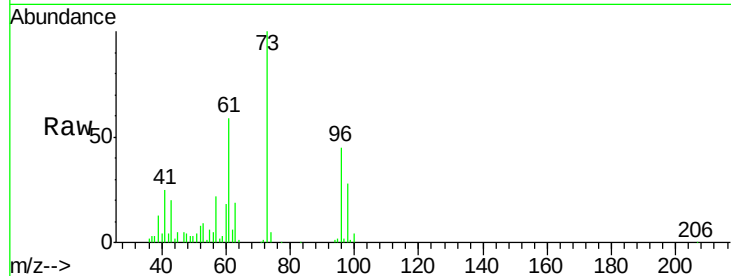
trans-1,2-Dichloroethene
Concen: 18.032 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	107.0	160.4
98	61.5	51.0	76.6

Manual Integrations
APPROVED

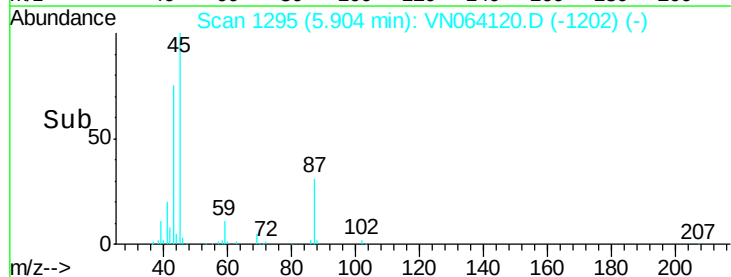
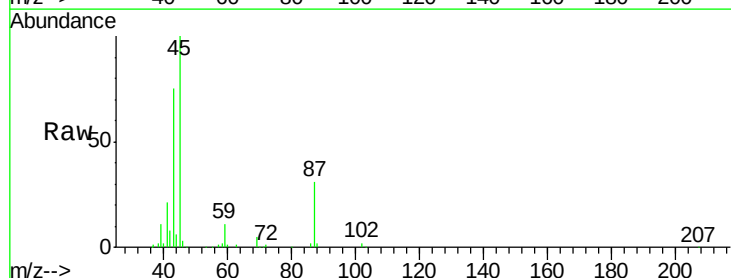
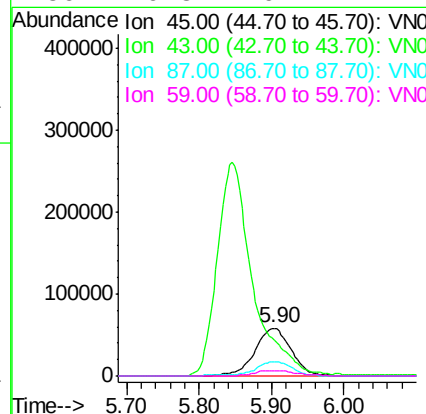
MMDadoda
10/15/2020 12:17:32 PM

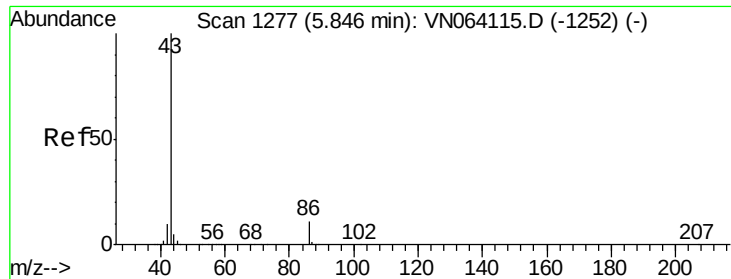


#22

Diisopropyl ether
Concen: 18.969 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.7	50.9	76.3
87	30.5	23.5	35.3
59	10.8	9.4	14.2





#23

Vinyl Acetate

Concen: 92.564 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 43 Resp: 886648

Ion Ratio Lower Upper

43 100

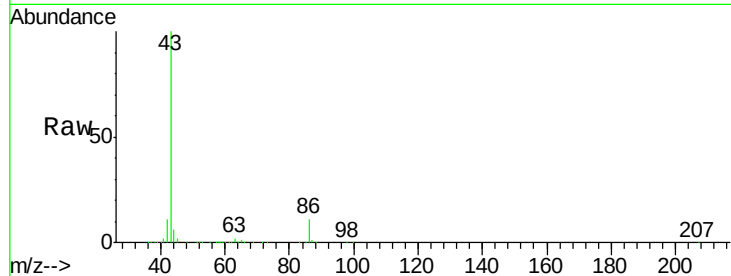
86 10.8 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

250000

200000

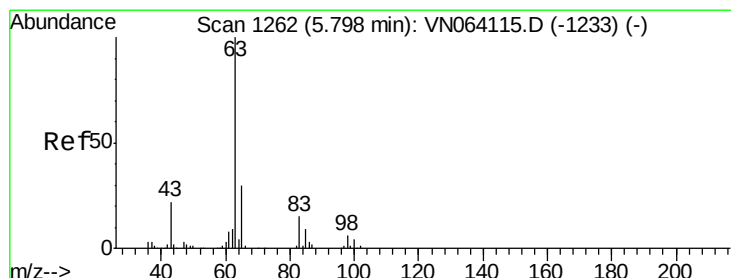
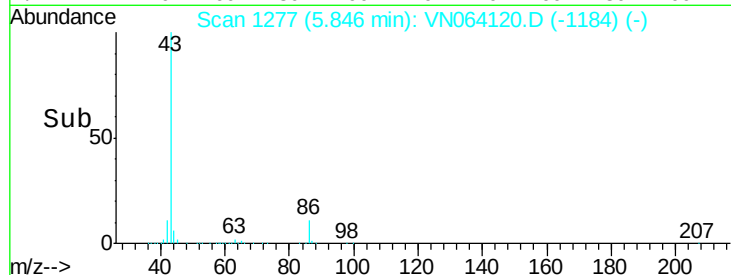
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.021 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

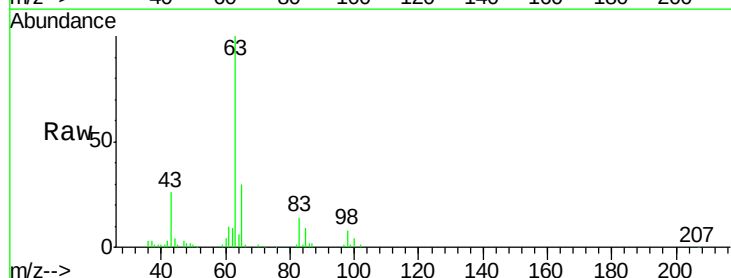
Tgt Ion: 63 Resp: 134950

Ion Ratio Lower Upper

63 100

98 7.7 3.1 9.3

100 4.0 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

50000

40000

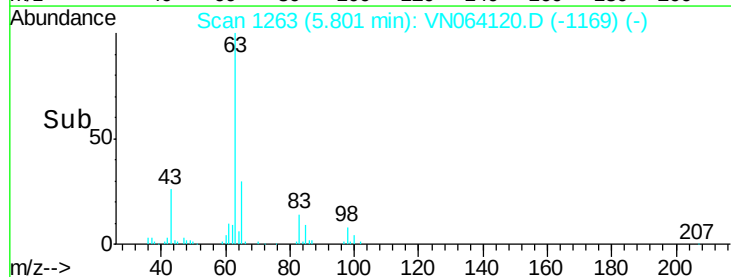
30000

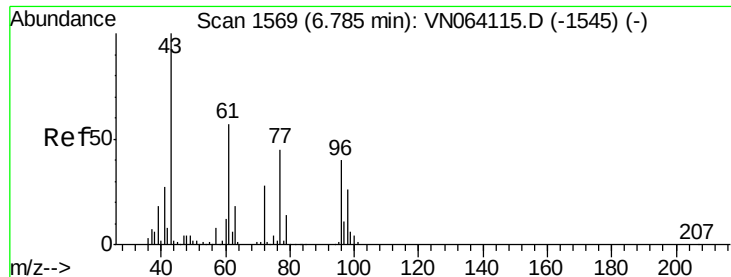
20000

10000

0

Time-->





#25

2-Butanone

Concen: 89.518 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 43 Resp: 206611

Ion Ratio Lower Upper

43 100

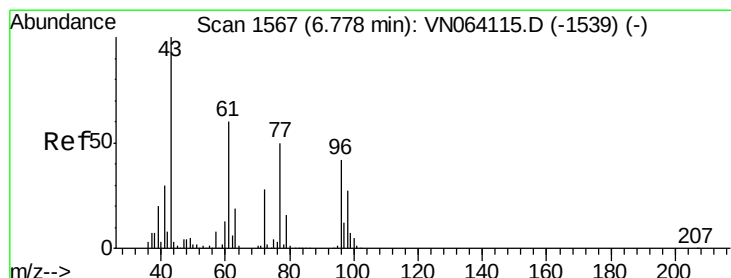
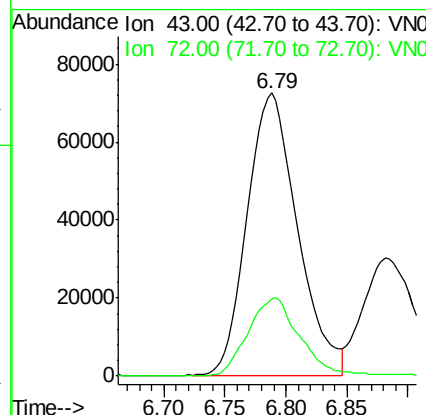
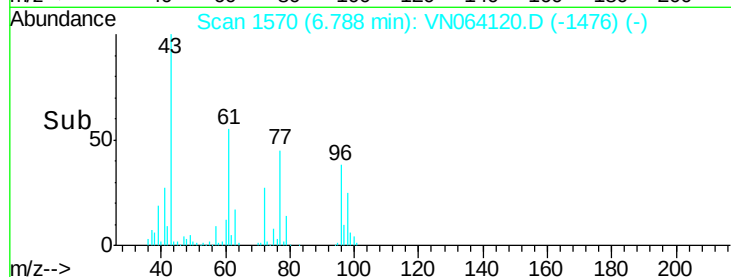
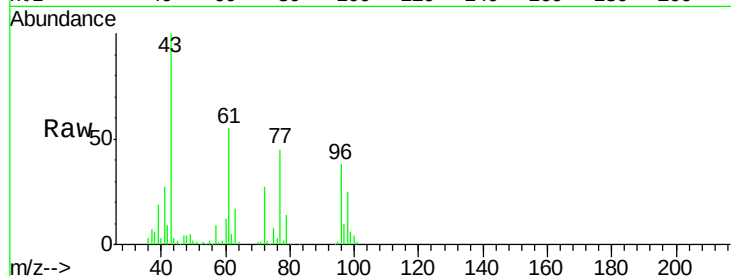
72 27.2 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



#26

2,2-Dichloropropane

Concen: 18.901 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064120.D

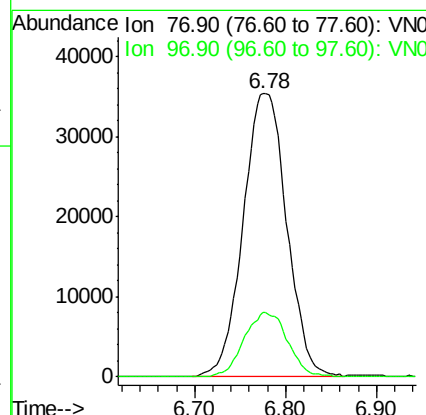
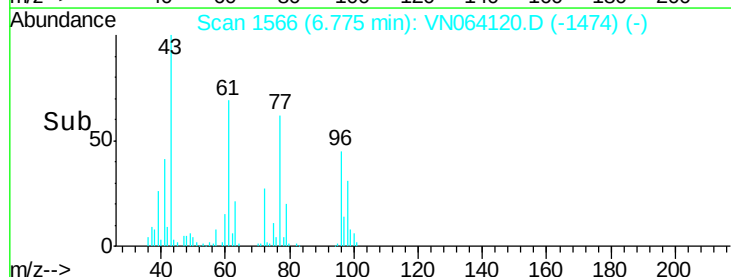
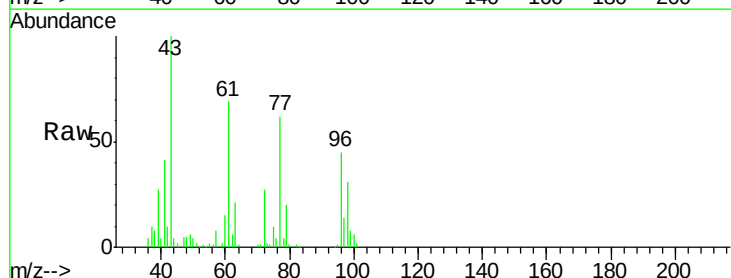
Acq: 14 Oct 2020 18:32

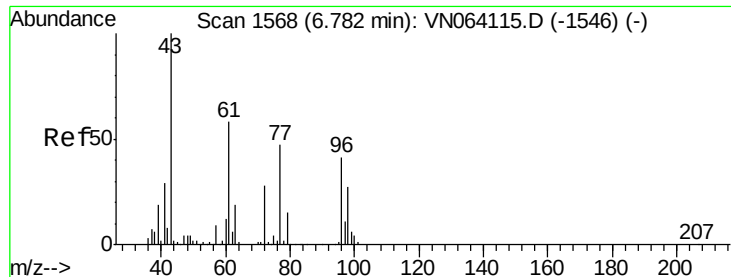
Tgt Ion: 77 Resp: 117760

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.584 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

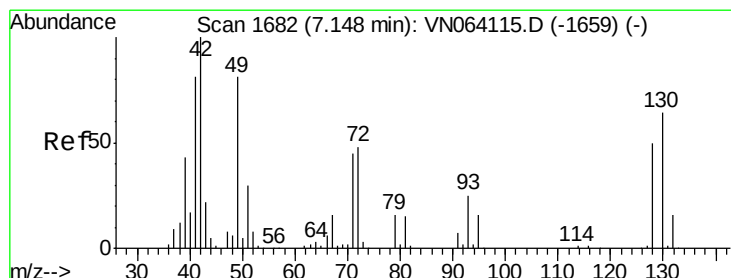
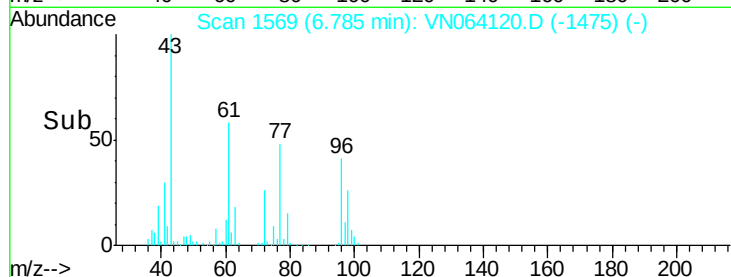
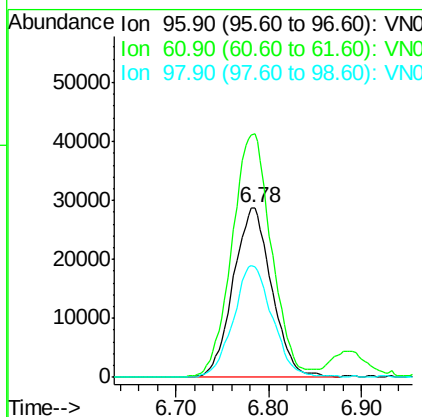
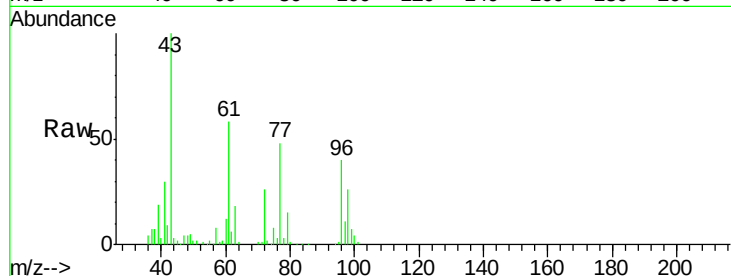
ClientSampleId :

VN1014WBS01

Tot Ion:	96	Resp:	82971
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	285.6
98	66.6	0.0	131.0

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#28

Bromochloromethane

Concen: 18.150 ug/l

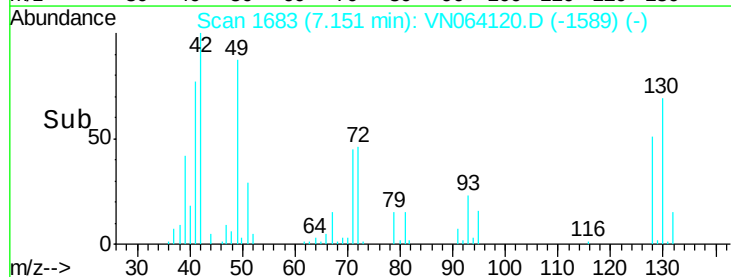
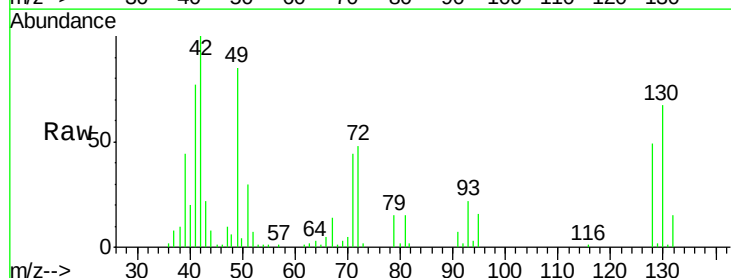
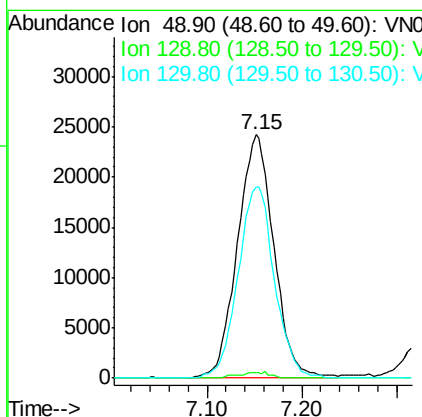
RT: 7.15 min Scan# 1683

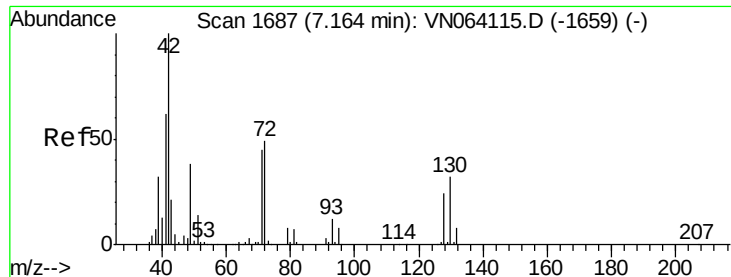
Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion:	49	Resp:	64737
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.0
130	78.5	0.0	0.0#





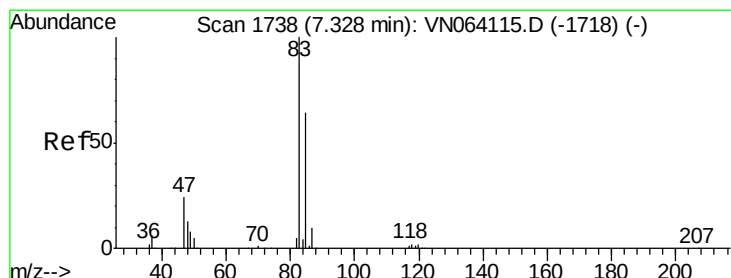
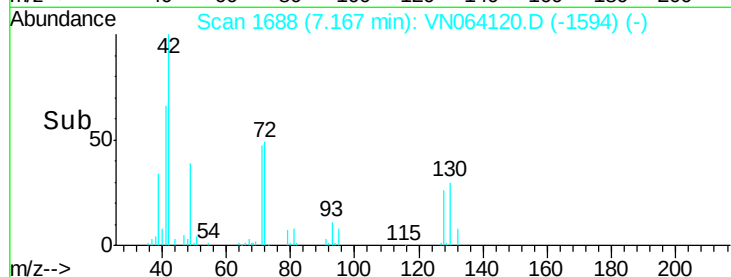
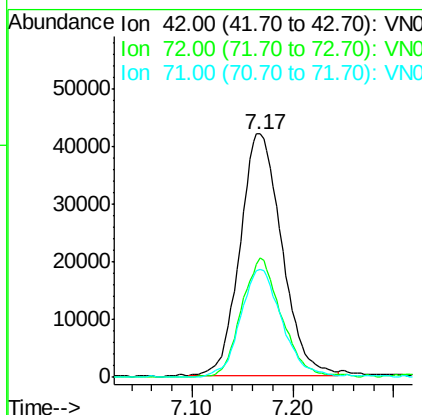
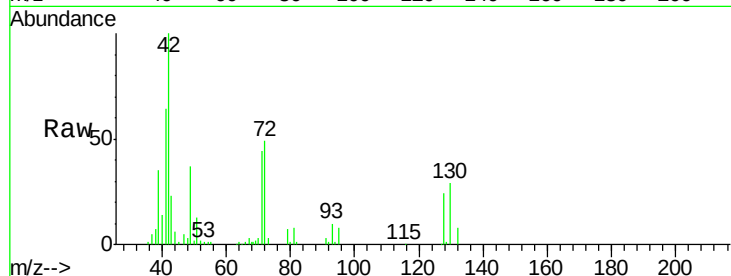
#29
Tetrahydrofuran
Concen: 88.700 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.8	56.6
71	44.5	35.3	52.9

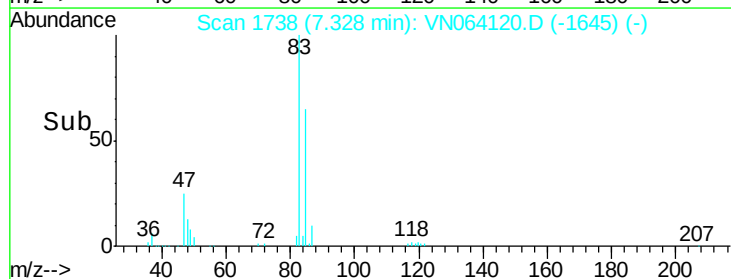
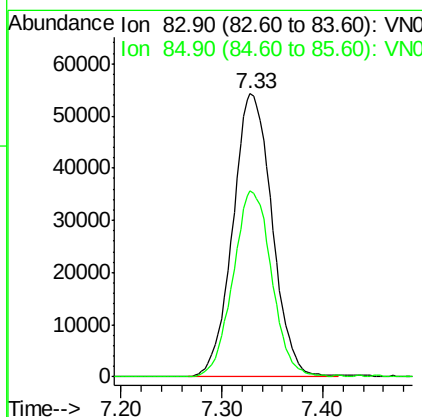
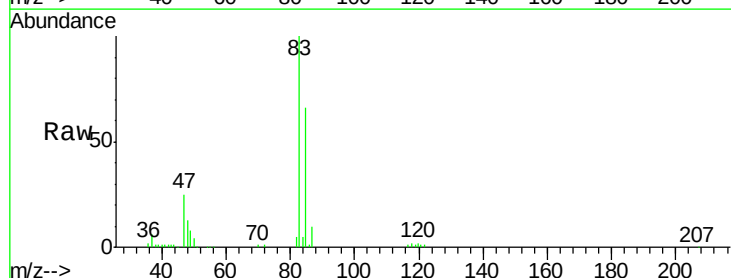
Manual Integrations
APPROVED

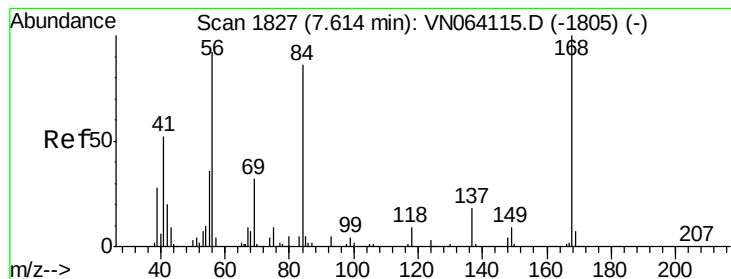
MMDadoda
10/15/2020 12:17:32 PM



#30
Chloroform
Concen: 18.364 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 17.775 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

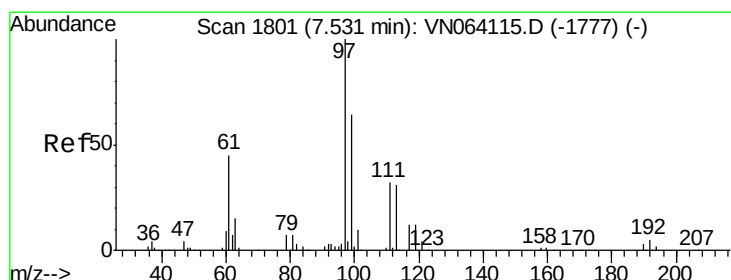
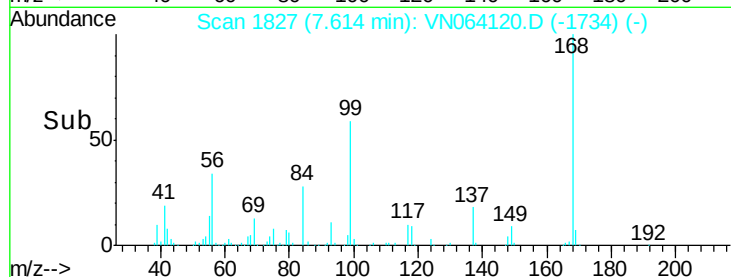
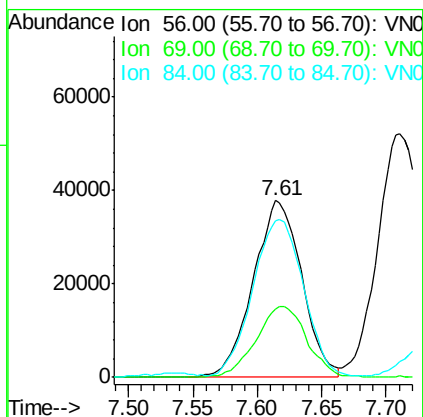
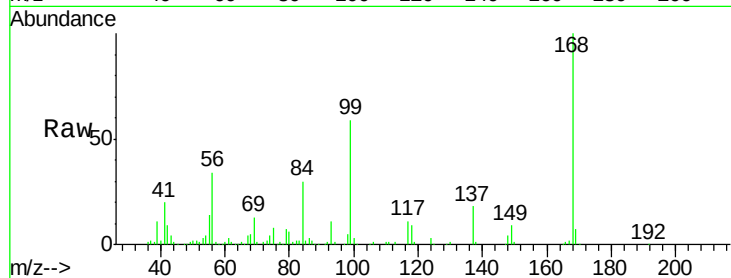
ClientSampleId :

VN1014WBS01

Tot Ion:	56	Resp:	99408
Ion Ratio	Lower	Upper	
56	100		
69	38.5	27.8	41.6
84	86.5	73.2	109.8

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#32

1,1,1-Trichloroethane

Concen: 18.318 ug/l

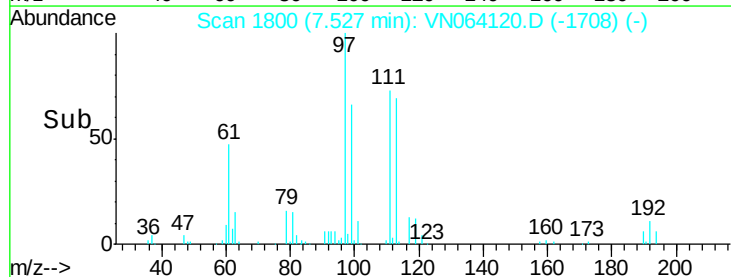
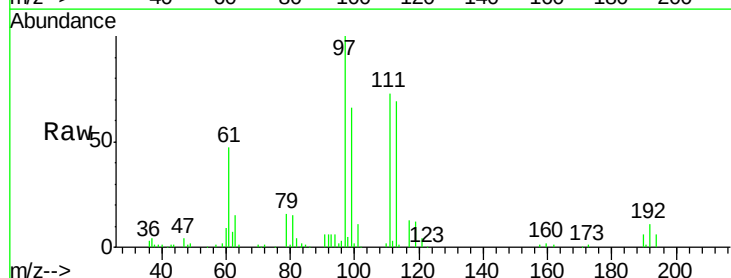
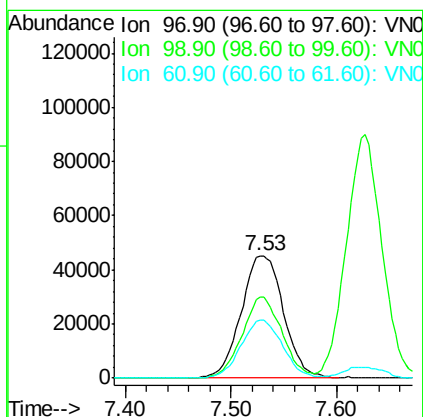
RT: 7.53 min Scan# 1800

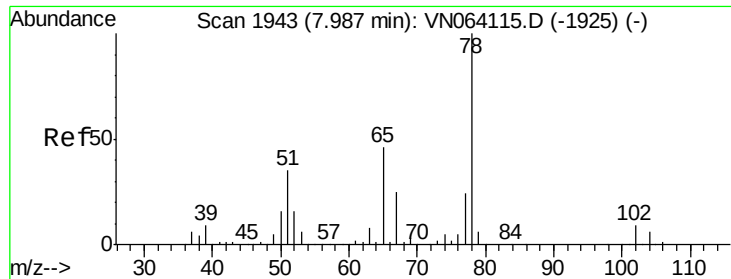
Delta R.T. -0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion:	97	Resp:	126281
Ion Ratio	Lower	Upper	
97	100		
99	62.5	50.2	75.2
61	46.6	35.6	53.4





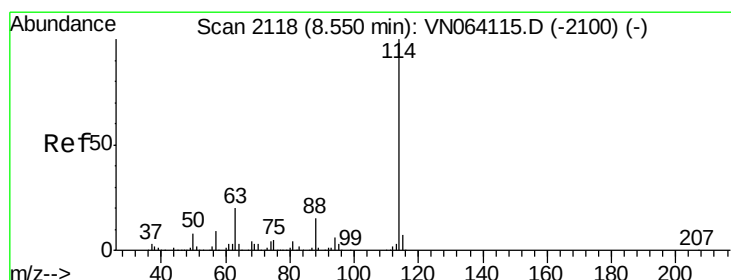
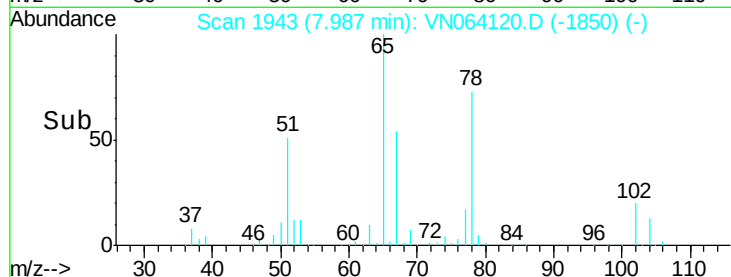
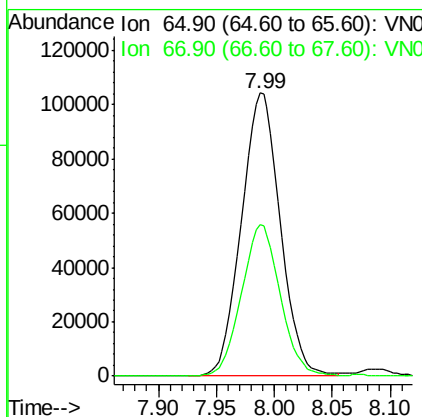
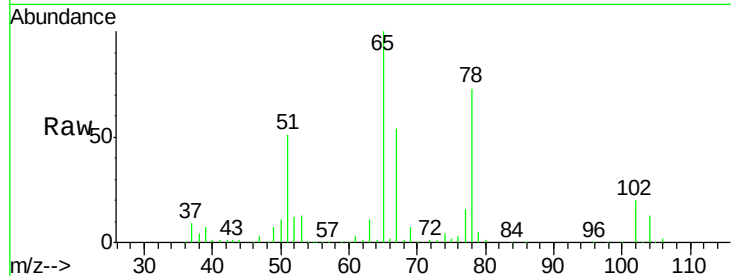
#33
 1,2-Dichloroethane-d4
 Concen: 48.105 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	243357		
67	53.4	0.0	105.6	

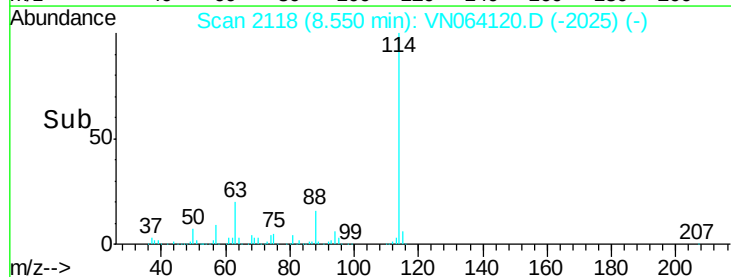
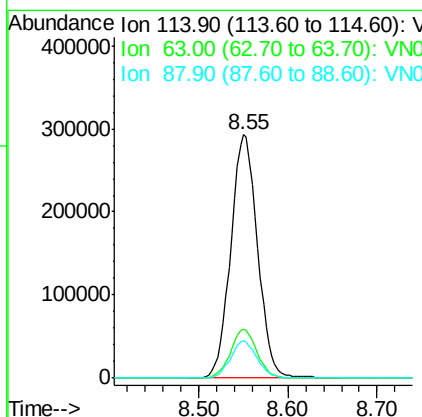
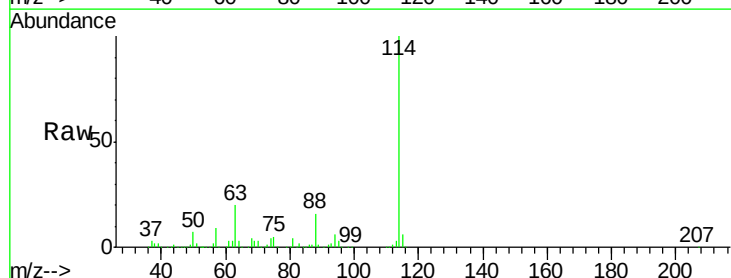
Manual Integrations
 APPROVED

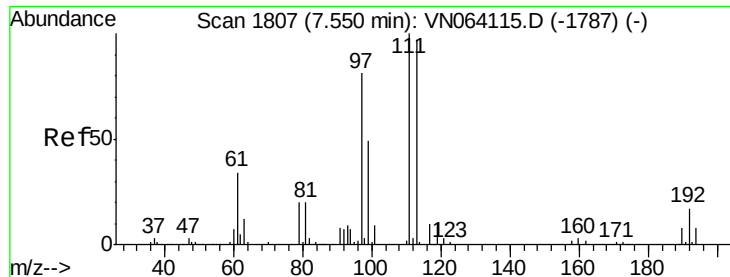
MMDadoda
 10/15/2020 12:17:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	609062		
63	20.1	0.0	41.0	
88	15.5	0.0	29.2	





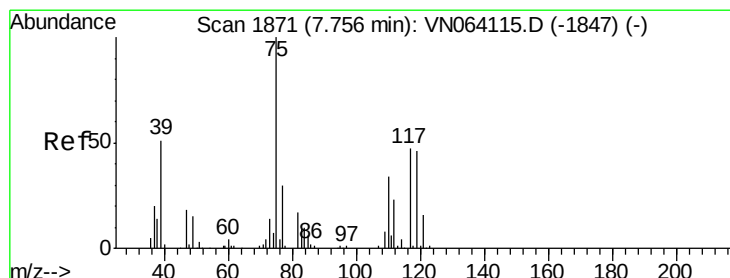
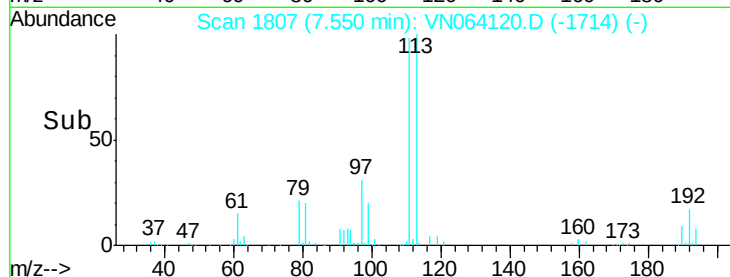
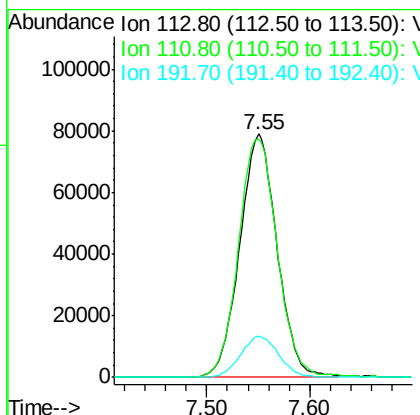
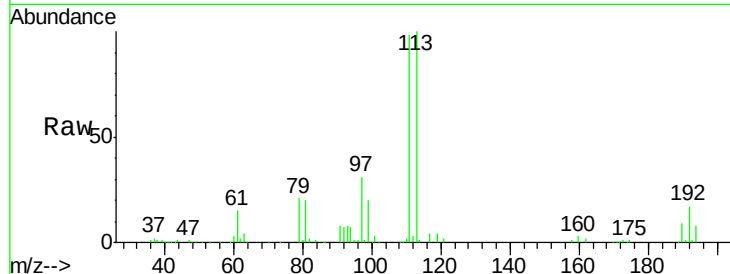
#35
 Dibromofluoromethane
 Concen: 47.061 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198391		
111	101.4	81.9	122.9	
192	17.2	14.3	21.5	

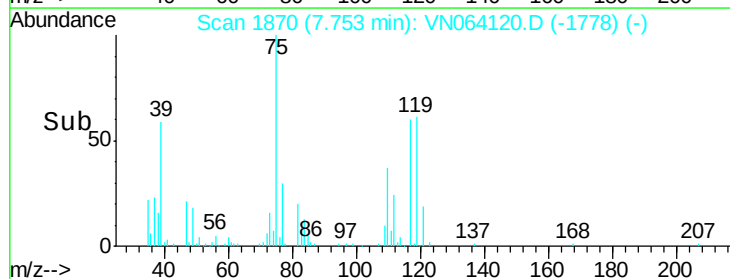
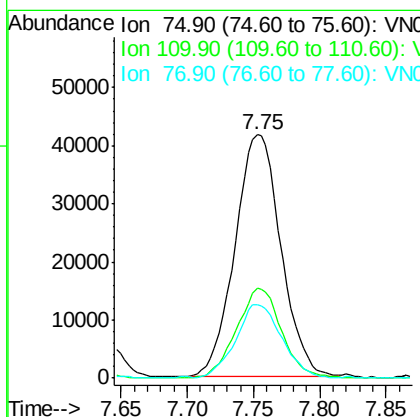
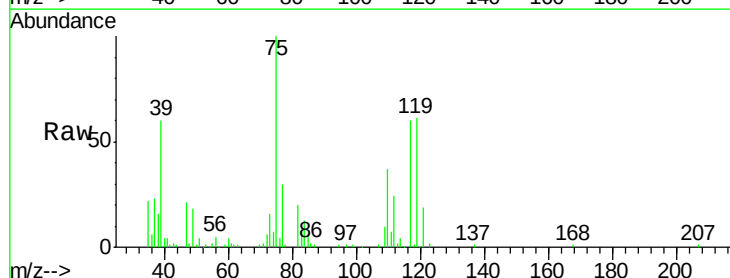
Manual Integrations
 APPROVED

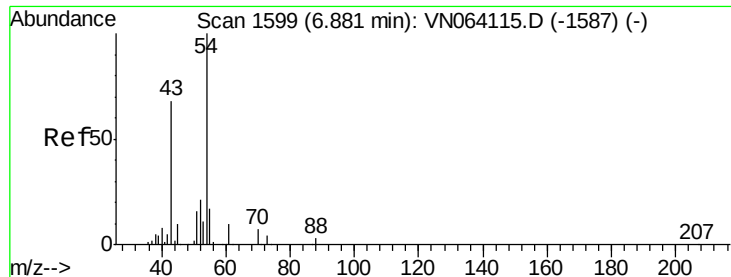
MMDadoda
 10/15/2020 12:17:32 PM



#36
 1,1-Dichloropropene
 Concen: 16.924 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99351		
110	36.7	17.8	53.3	
77	30.9	24.9	37.3	





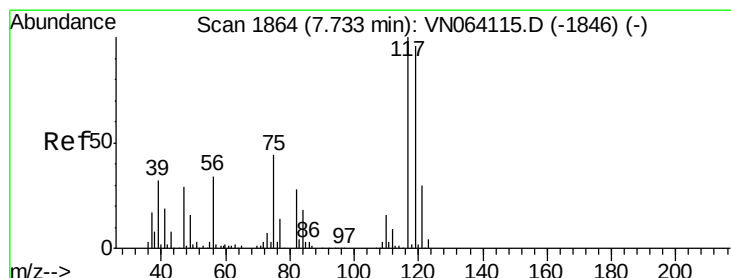
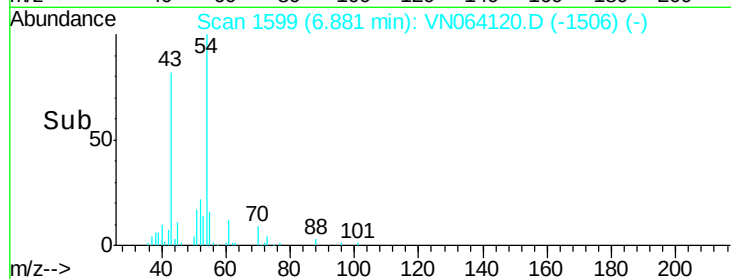
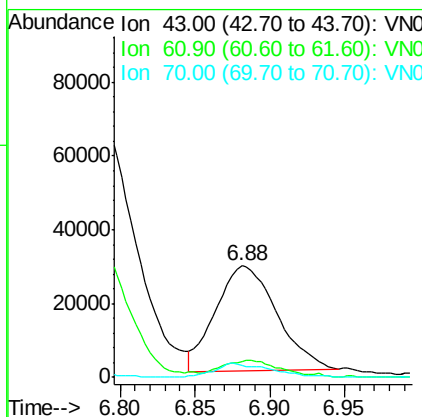
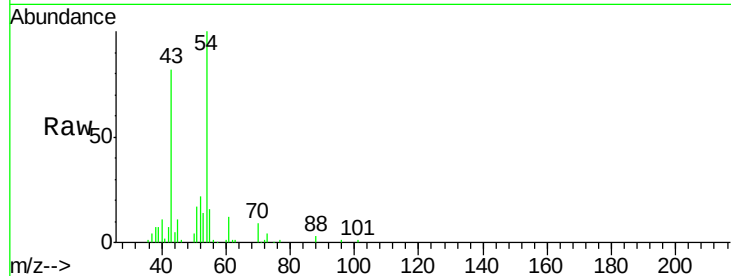
#37
Ethyl Acetate
Concen: 15.660 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	12.7	7.7	11.5

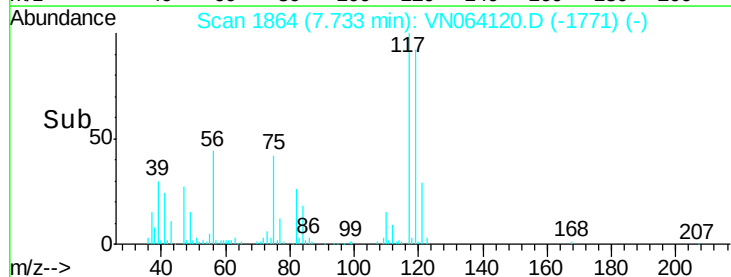
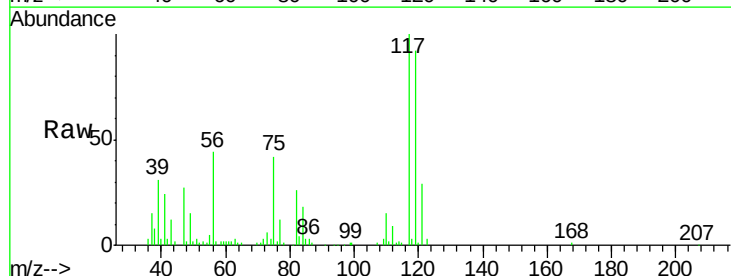
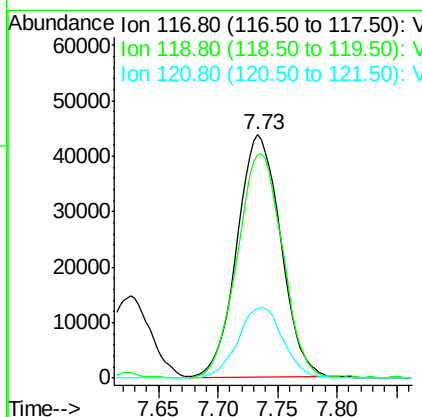
Manual Integrations
APPROVED

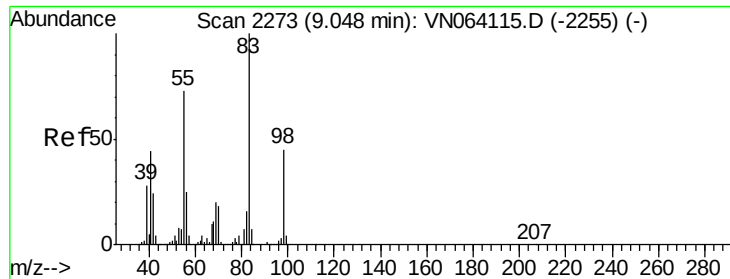
MMDadoda
10/15/2020 12:17:32 PM



#38
Carbon Tetrachloride
Concen: 17.605 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.0	115.4
121	28.7	24.2	36.4





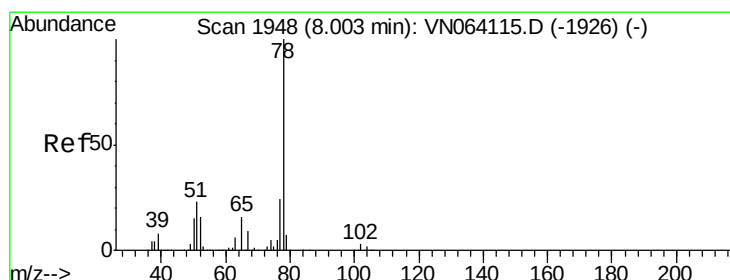
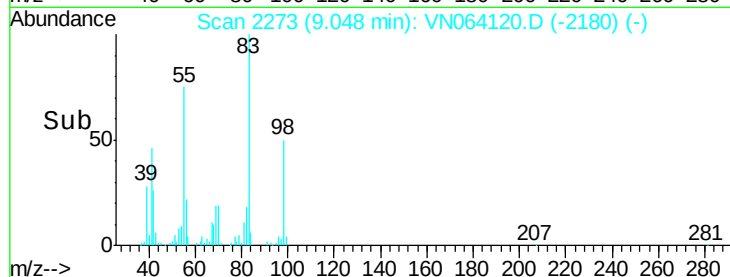
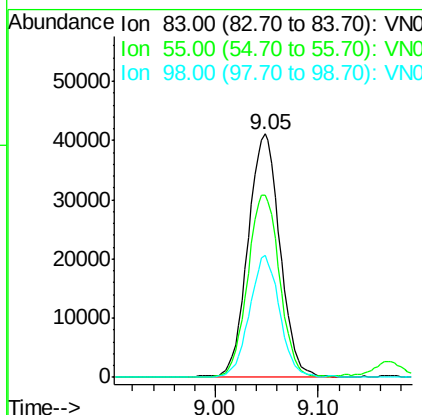
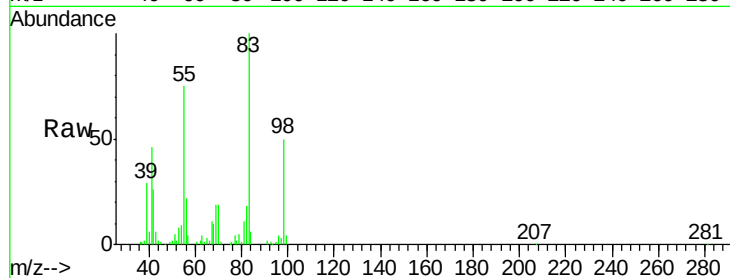
#39
Methylvlcyclohexane
Concen: 17.941 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	58.5	87.7
98	50.1	36.2	54.2

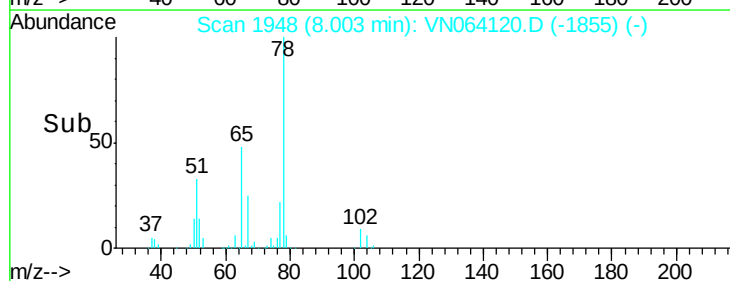
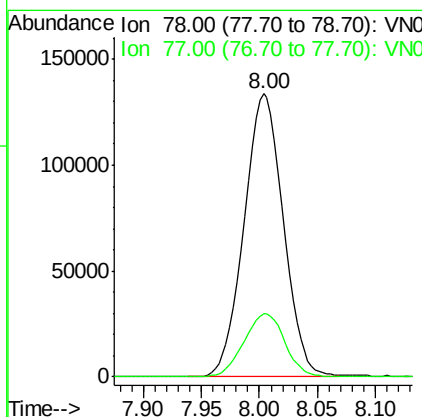
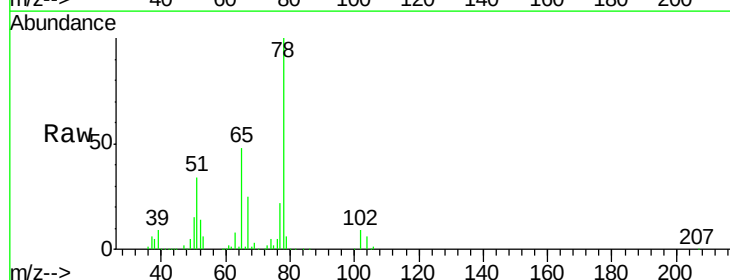
Manual Integrations
APPROVED

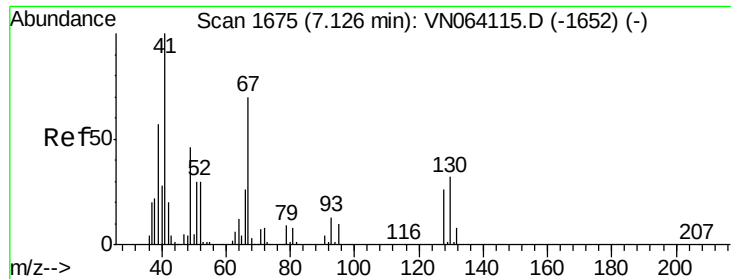
MMDadoda
10/15/2020 12:17:32 PM



#40
Benzene
Concen: 17.773 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.3	28.9





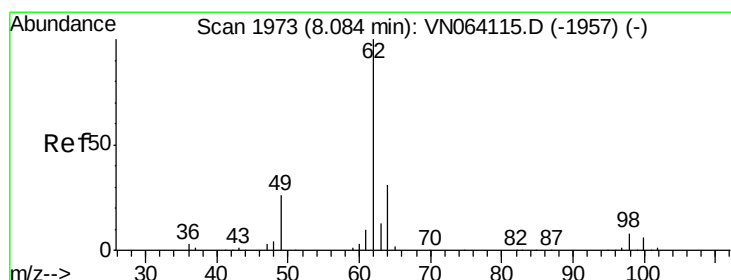
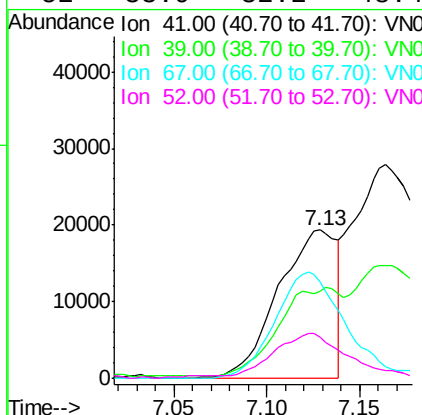
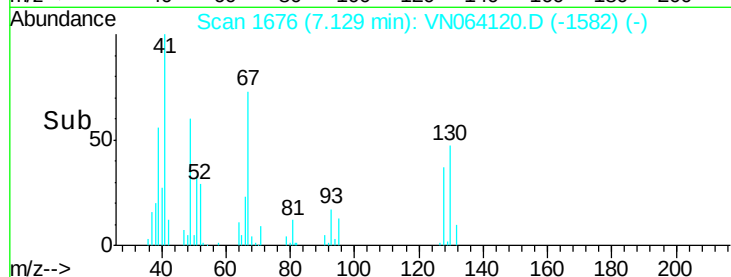
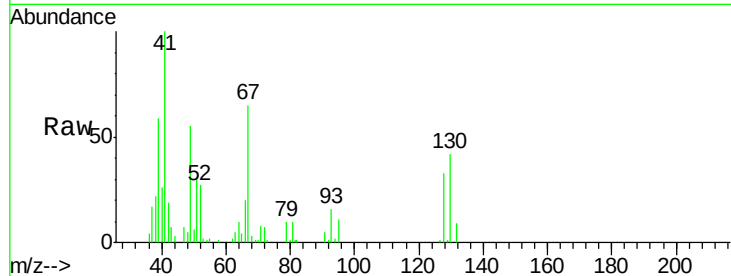
#41
Methacrylonitrile
Concen: 18.854 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	41	Resp	42527
Ion	Ratio	Lower	Upper
41	100		
39	64.3	50.7	76.1
67	86.2	73.8	110.6
52	33.9	32.2	48.4

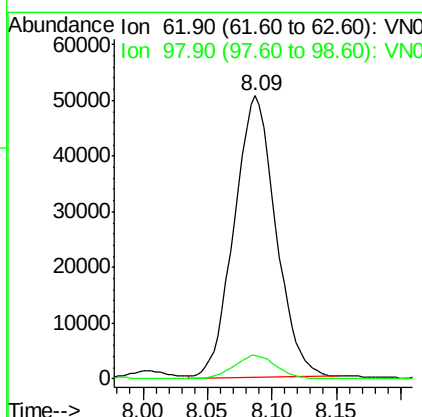
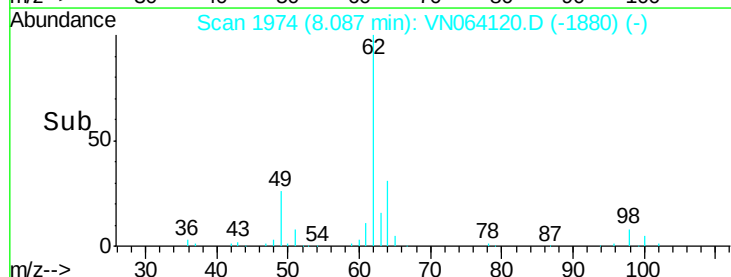
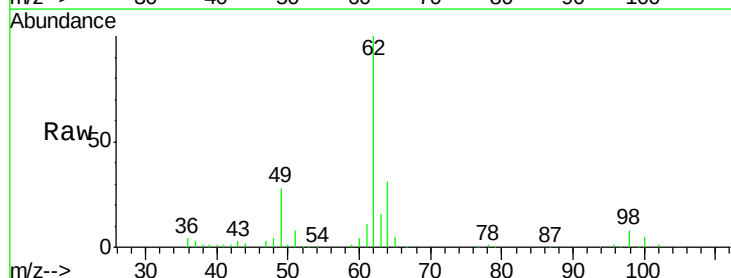
Manual Integrations
APPROVED

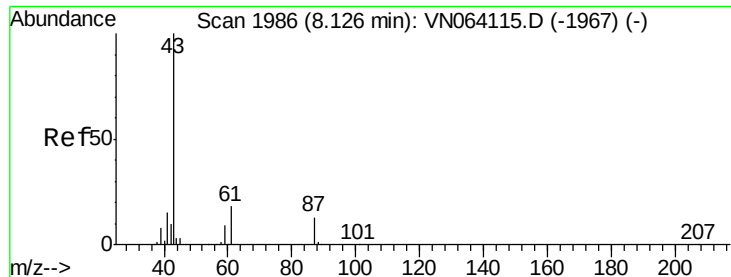
MMDadoda
10/15/2020 12:17:32 PM



#42
1,2-Dichloroethane
Concen: 17.970 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	62	Resp	113670
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





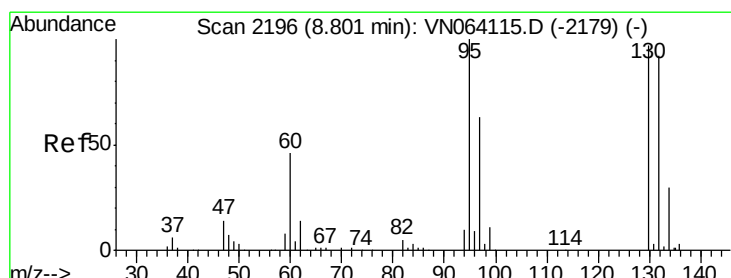
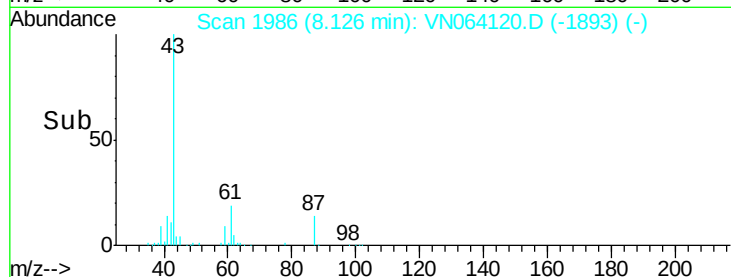
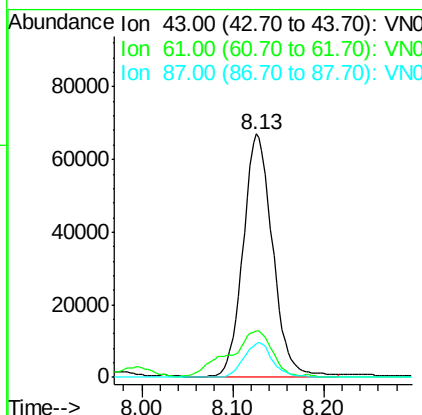
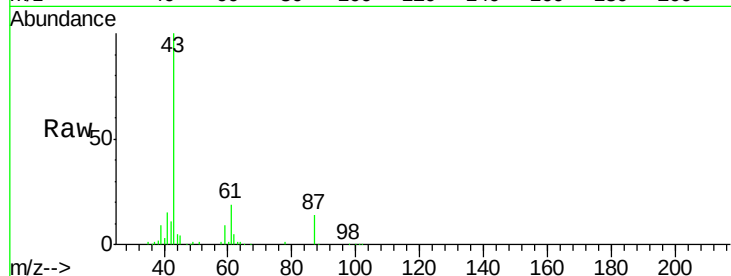
#43
Isopropyl Acetate
Concen: 17.370 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.9	32.9
87	13.9	11.0	16.4

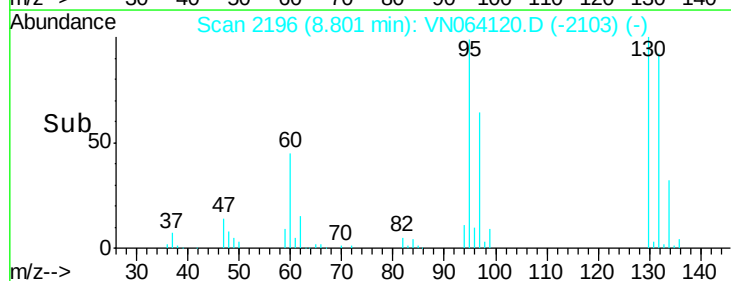
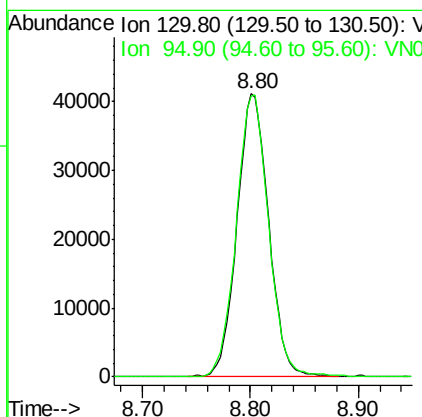
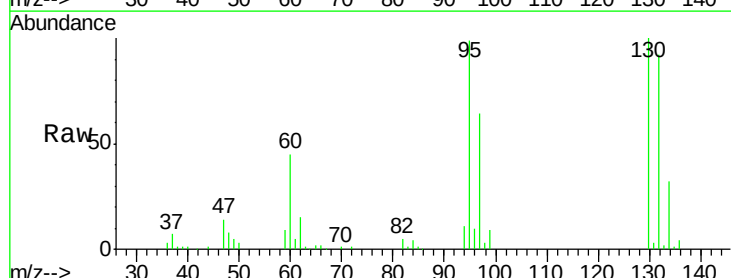
Manual Integrations
APPROVED

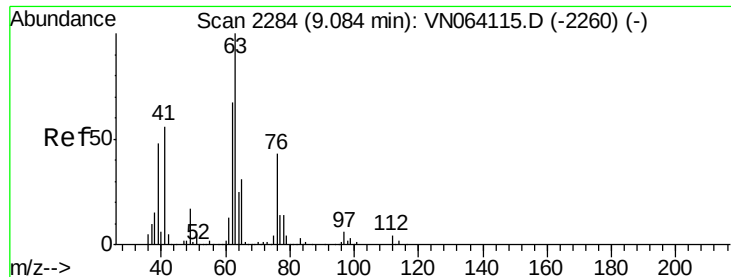
MMDadoda
10/15/2020 12:17:32 PM



#44
Trichloroethene
Concen: 17.992 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	206.2





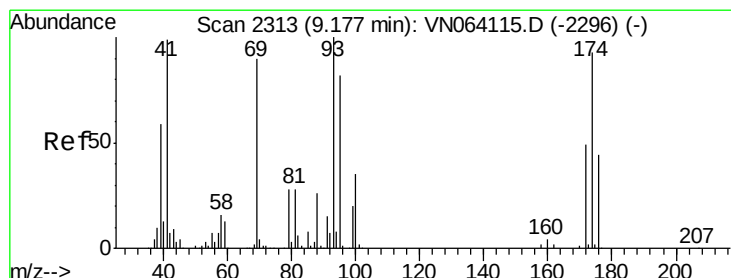
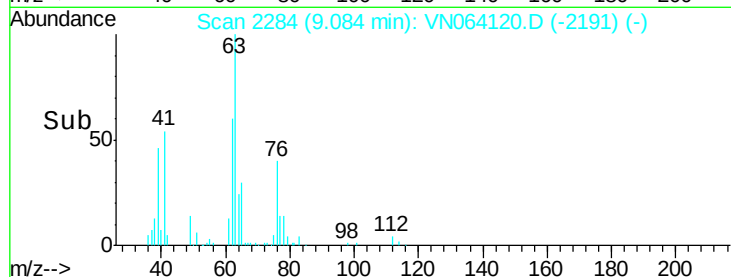
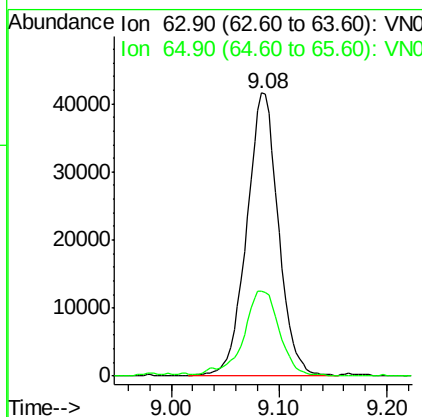
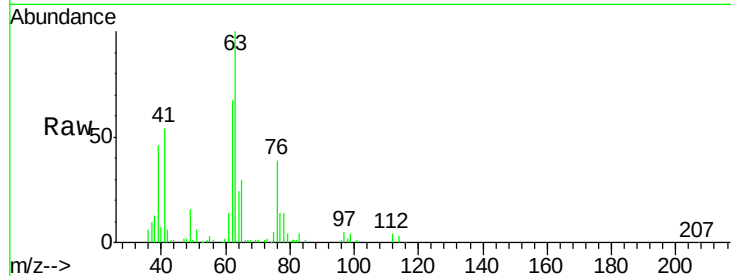
#45
 1,2-Dichloropropane
 Concen: 18.310 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion: 63 Resp: 85285
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6

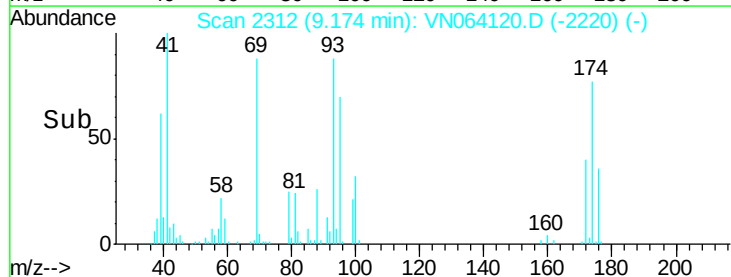
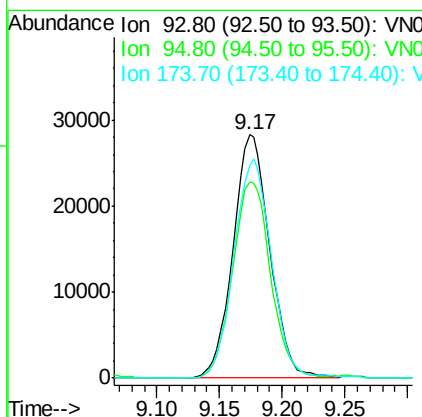
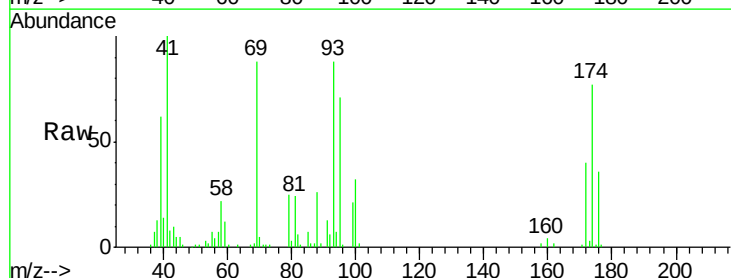
Manual Integrations
 APPROVED

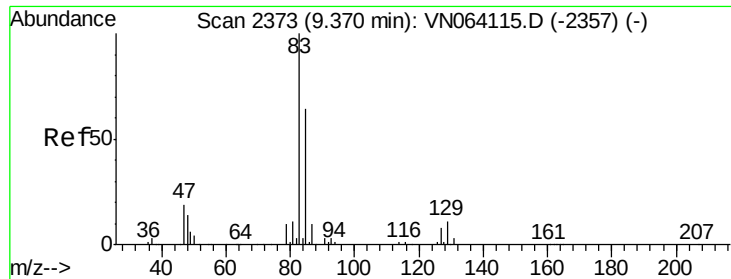
MMDadoda
 10/15/2020 12:17:32 PM



#46
 Dibromomethane
 Concen: 17.452 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion: 93 Resp: 57670
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.8 100.2
 174 91.7 75.2 112.8





#47

Bromodichloromethane

Concen: 17.982 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

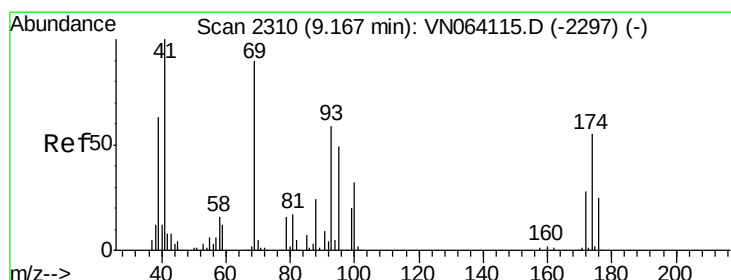
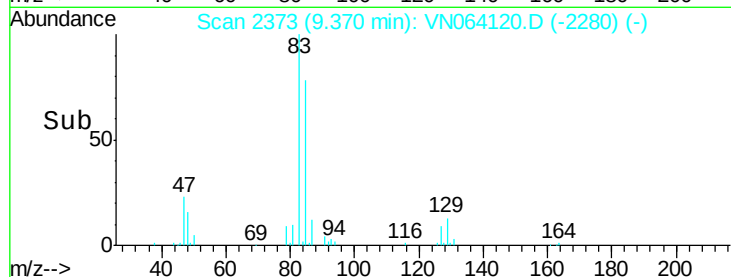
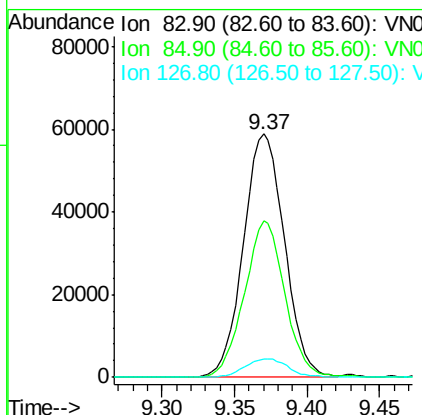
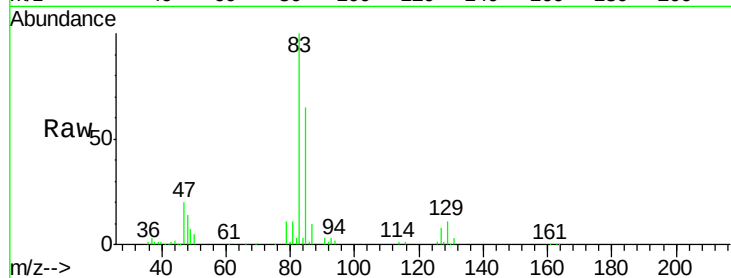
ClientSampleId :

VN1014WBS01

Tot Ion:	83	Resp:	116261
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.8	76.2
127	7.6	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#48

Methyl methacrylate

Concen: 17.555 ug/l

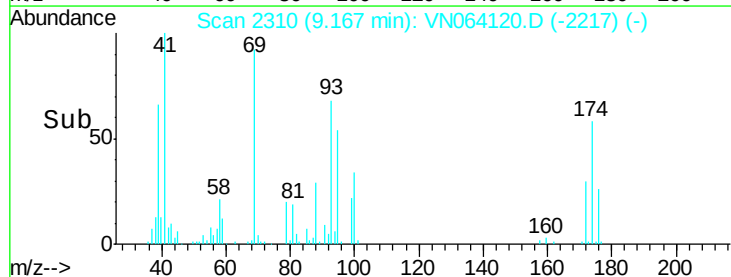
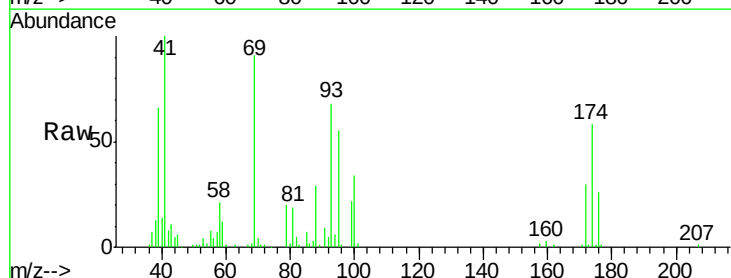
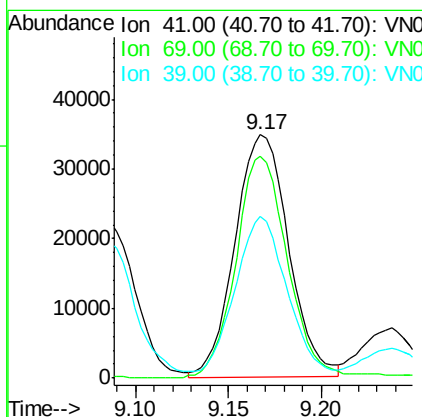
RT: 9.17 min Scan# 2310

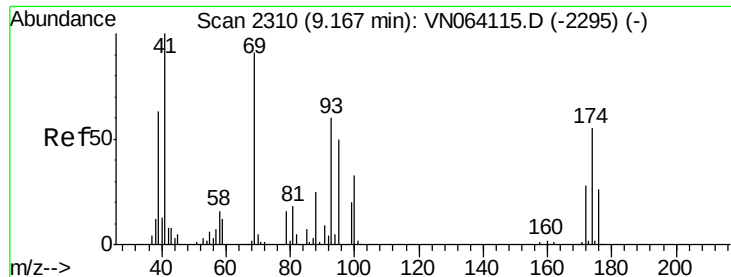
Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion:	41	Resp:	70107
Ion Ratio	Lower	Upper	
41	100		
69	88.1	71.4	107.2
39	63.6	52.5	78.7





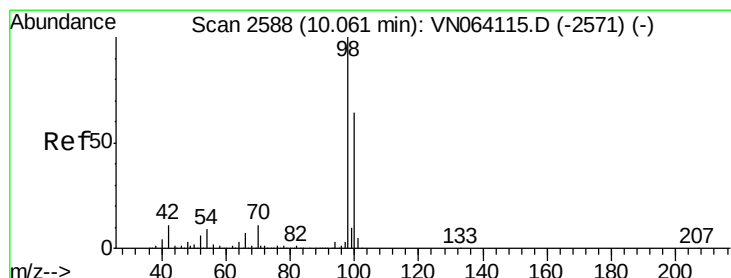
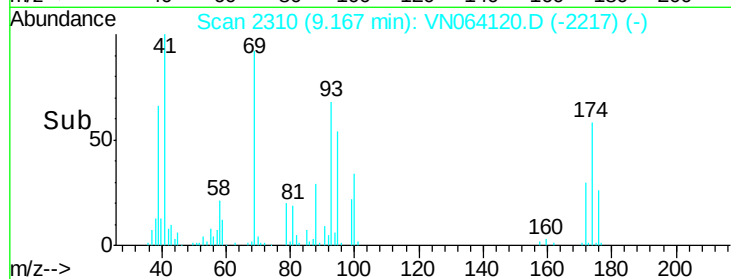
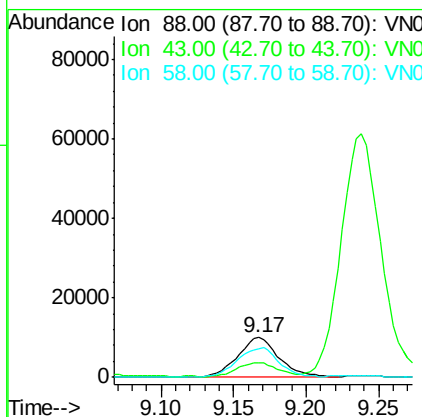
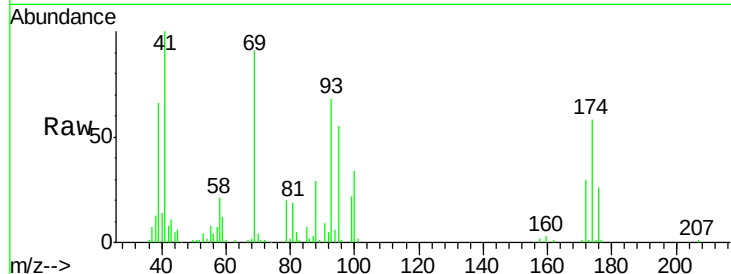
#49
1,4-Dioxane
Concen: 331.576 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	88	Resp	20107
Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.2	40.8
58	74.3	52.6	78.8

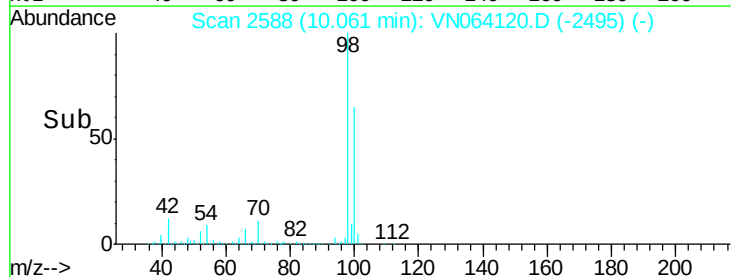
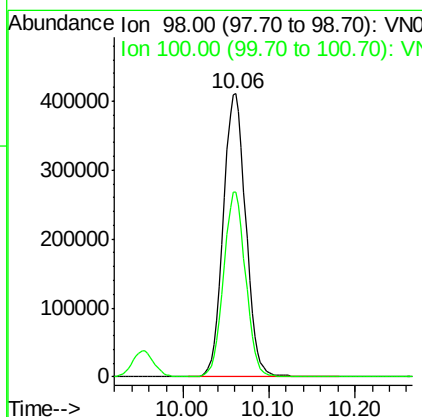
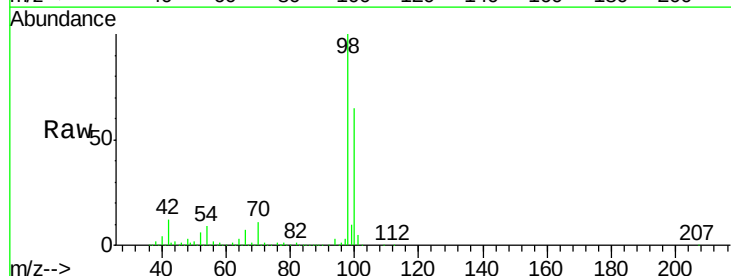
Manual Integrations
APPROVED

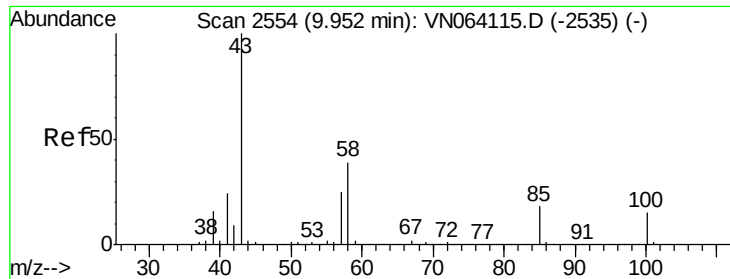
MMDadoda
10/15/2020 12:17:32 PM



#50
Toluene-d8
Concen: 47.118 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	98	Resp	749463
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.8	76.2





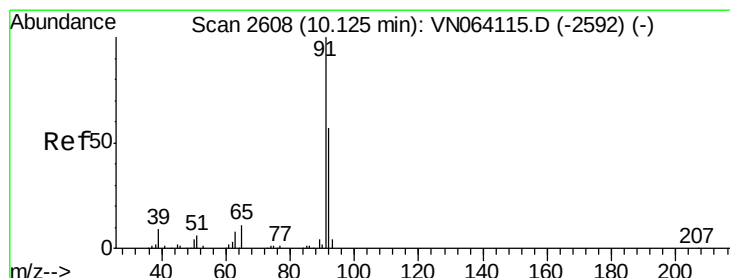
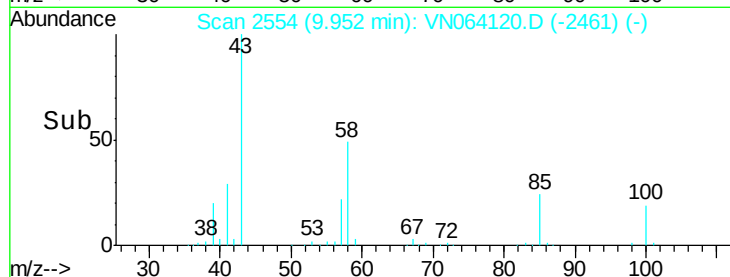
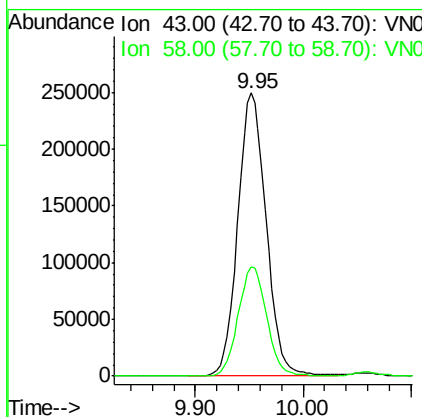
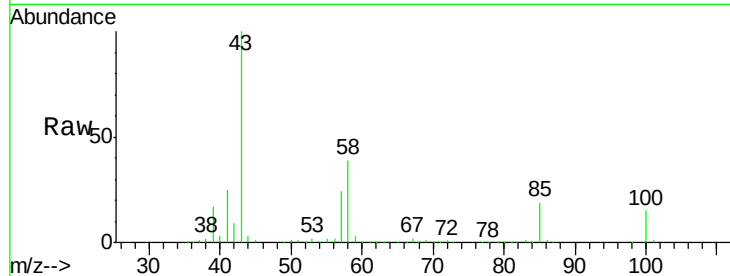
#51
4-Methyl-2-Pentanone
Concen: 89.331 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampled :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.2	46.8

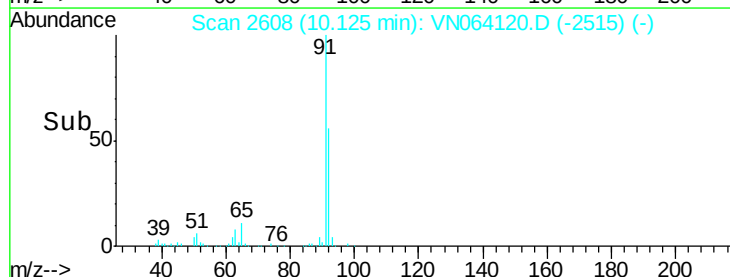
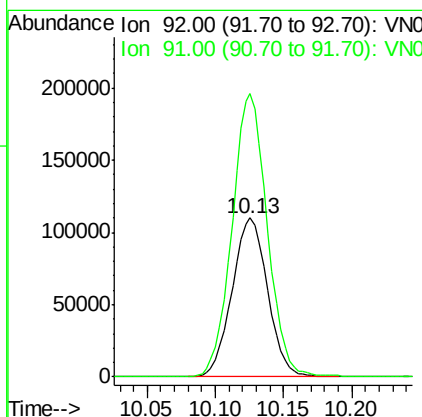
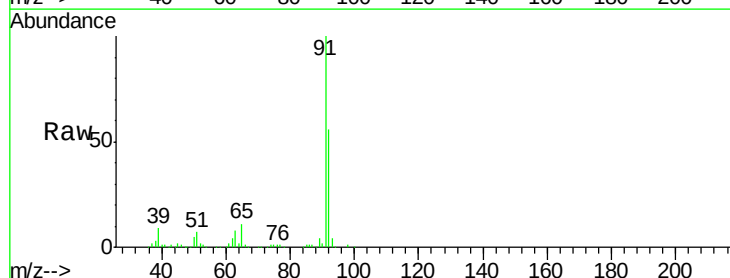
Manual Integrations
APPROVED

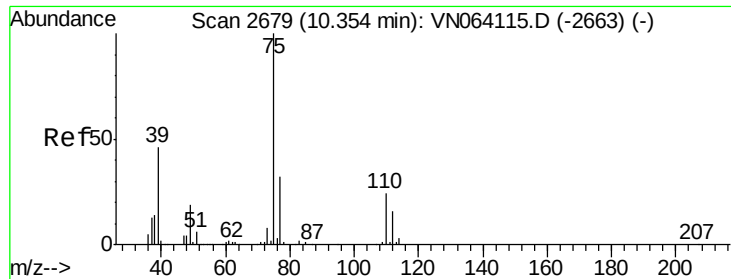
MMDadoda
10/15/2020 12:17:32 PM



#52
Toluene
Concen: 18.234 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.8	141.2	211.8





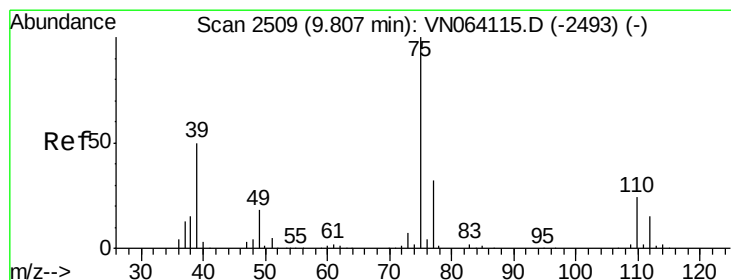
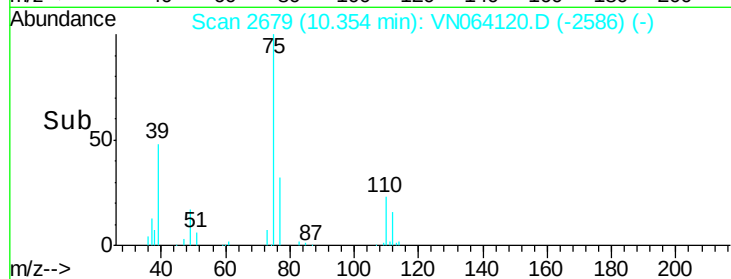
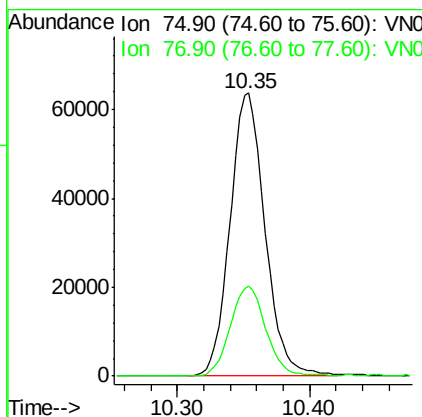
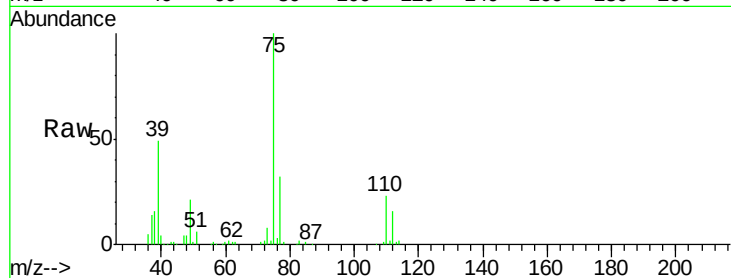
#53
 t-1,3-Dichloropropene
 Concen: 17.612 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4

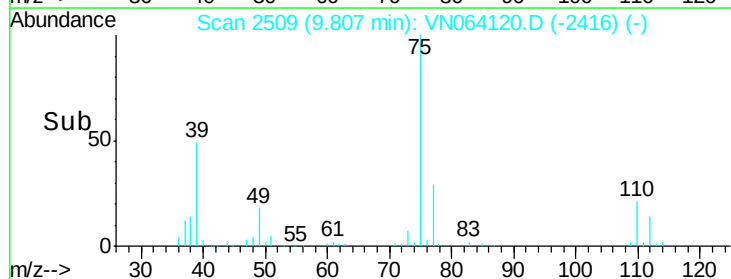
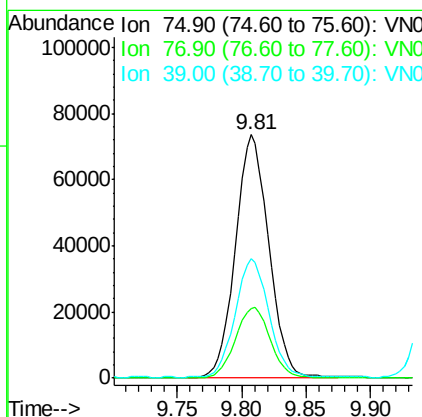
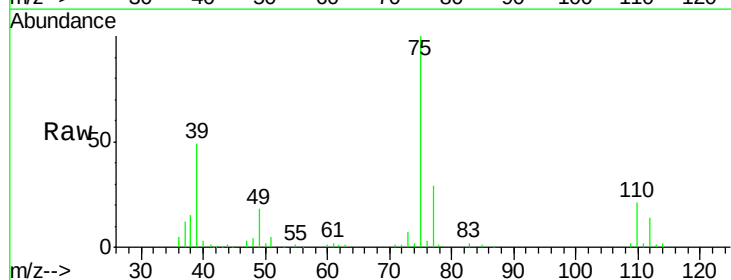
Manual Integrations
 APPROVED

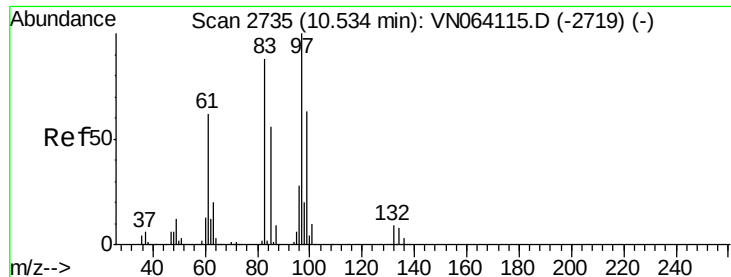
MMDadoda
 10/15/2020 12:17:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.228 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.2	37.8
39	48.7	39.8	59.8





#55

1,1,2-Trichloroethane

Concen: 17.417 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

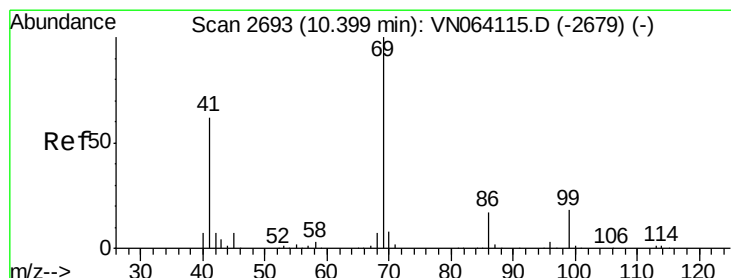
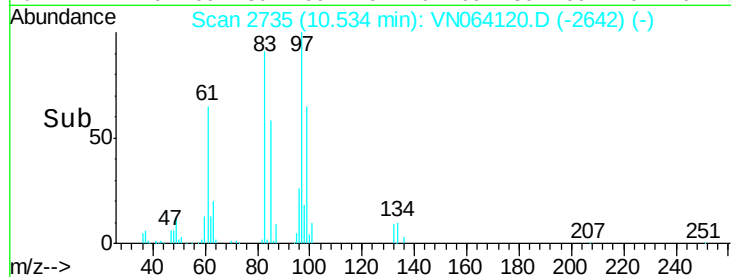
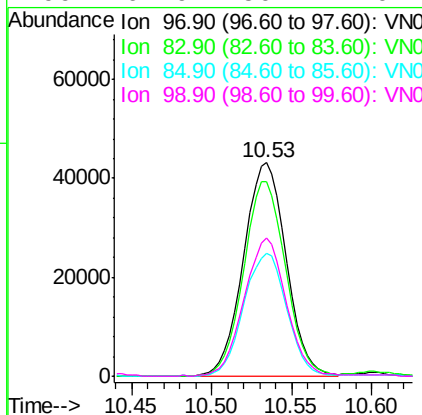
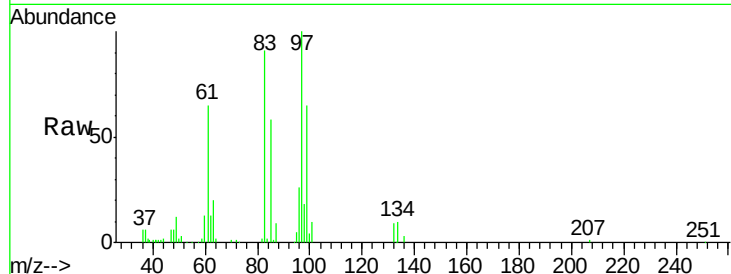
ClientSampleId :

VN1014WBS01

Tot Ion:	97	Resp:	78818
Ion	Ratio	Lower	Upper
97	100		
83	90.9	70.2	105.4
85	57.8	45.0	67.6
99	64.9	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#56

Ethyl methacrylate

Concen: 17.308 ug/l

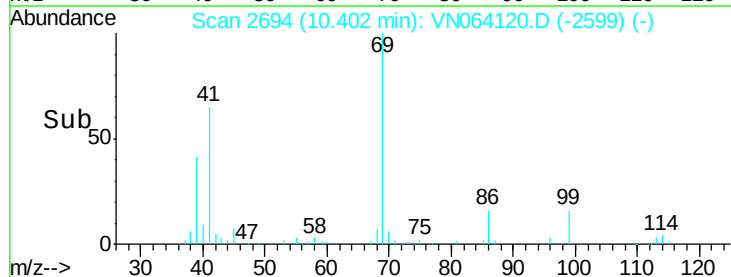
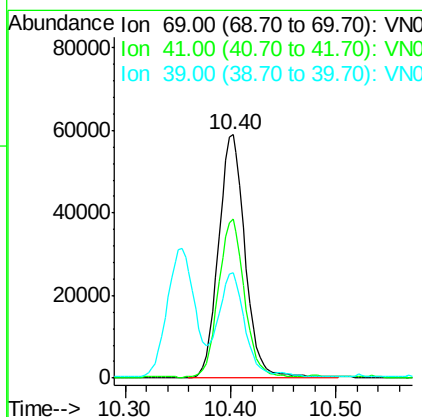
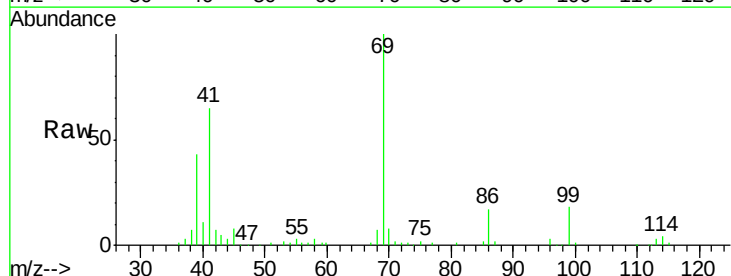
RT: 10.40 min Scan# 2694

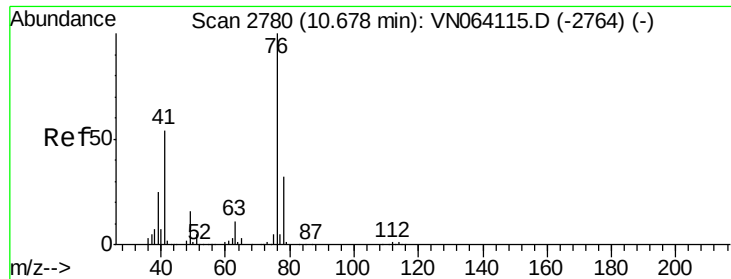
Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion:	69	Resp:	103154
Ion	Ratio	Lower	Upper
69	100		
41	63.1	49.3	73.9
39	38.6	32.7	49.1





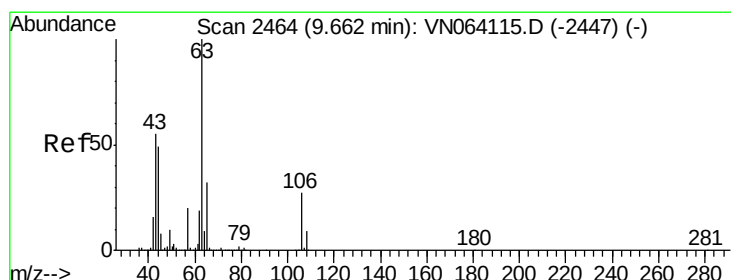
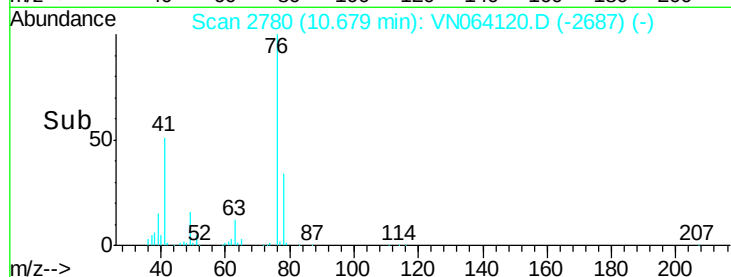
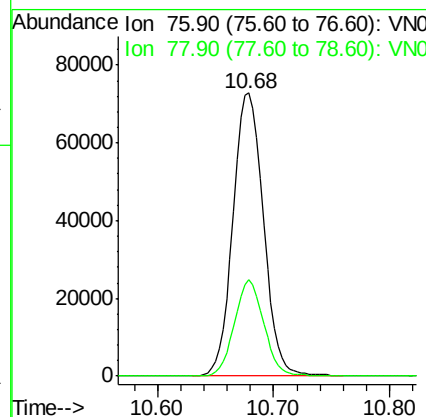
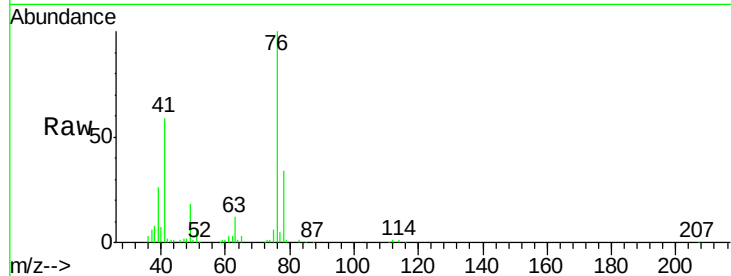
#57
 1,3-Dichloropropane
 Concen: 17.823 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.1	39.1

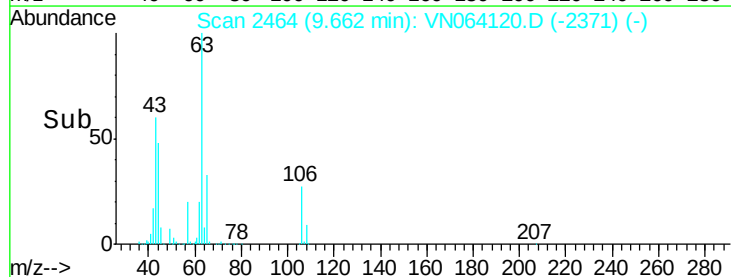
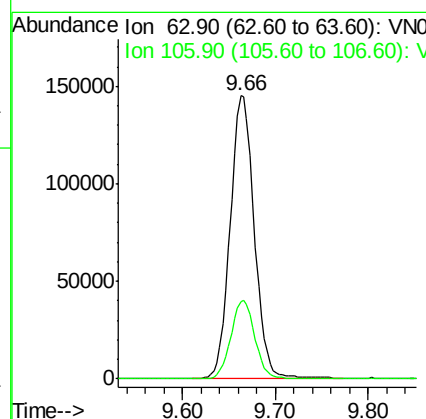
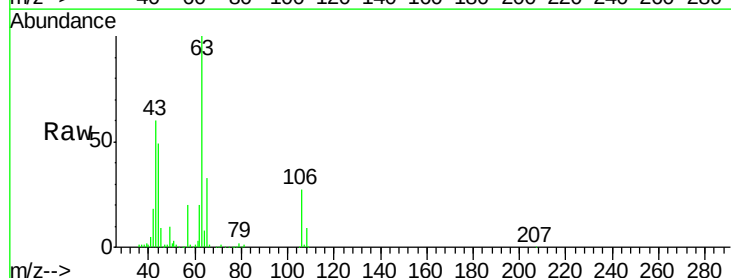
Manual Integrations
 APPROVED

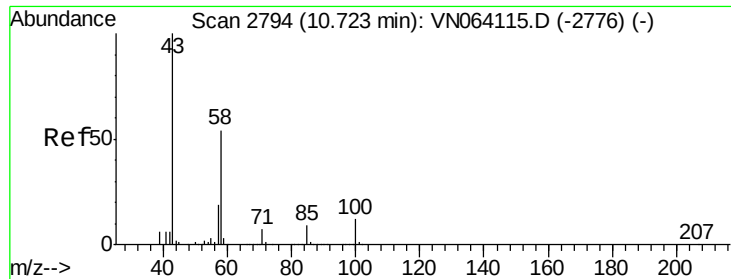
MMDadoda
 10/15/2020 12:17:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.008 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.8	32.6





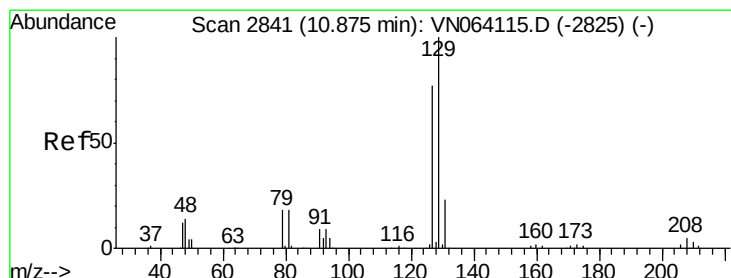
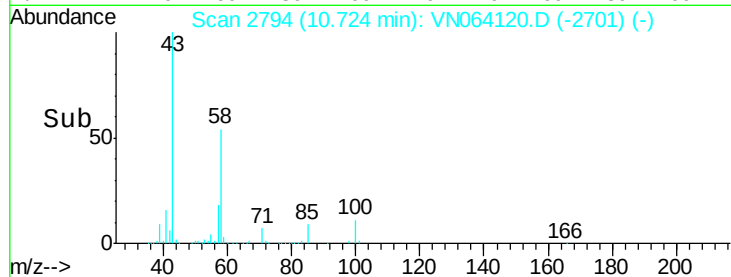
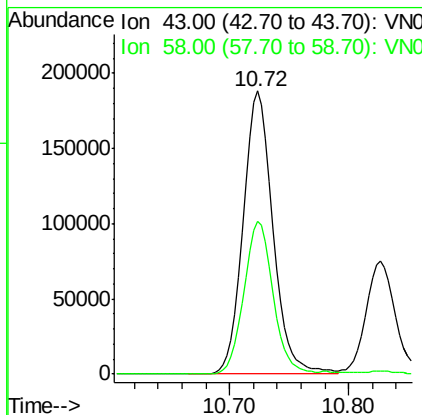
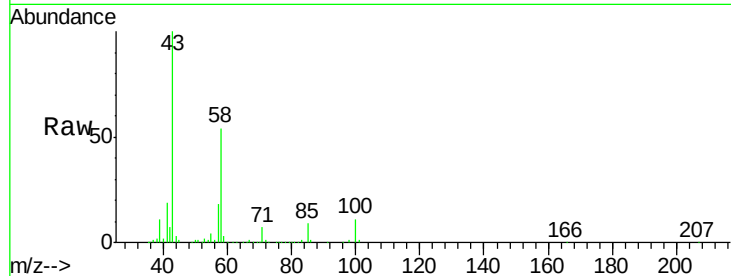
#59
2-Hexanone
Concen: 86.816 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion: 43 Resp: 325152
Ion Ratio Lower Upper
43 100
58 53.0 27.2 81.6

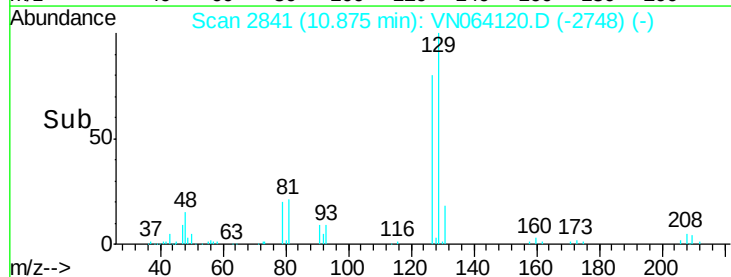
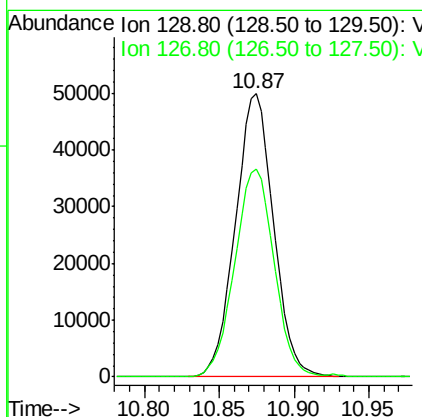
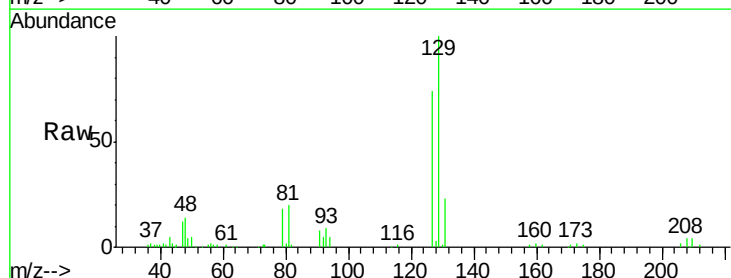
Manual Integrations
APPROVED

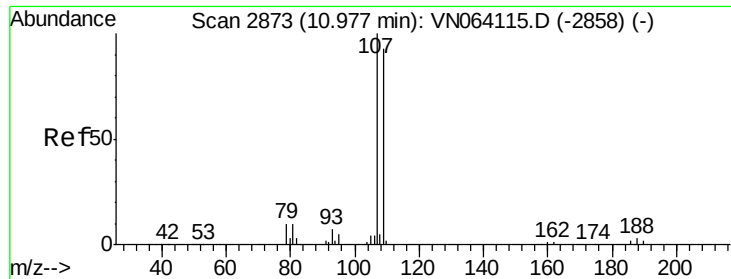
MMDadoda
10/15/2020 12:17:32 PM



#60
Dibromochloromethane
Concen: 17.455 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion: 129 Resp: 88728
Ion Ratio Lower Upper
129 100
127 75.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 18.042 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 107 Resp: 83102

Ion Ratio Lower Upper

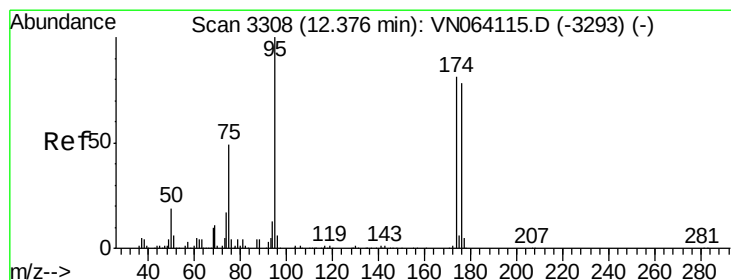
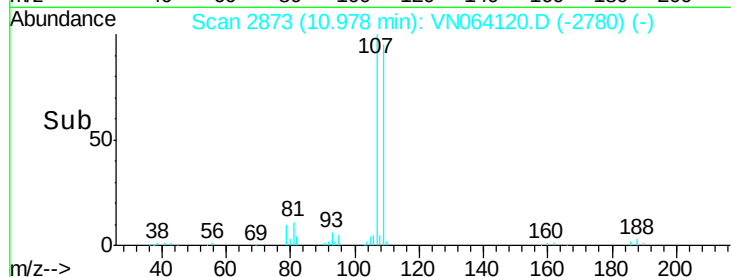
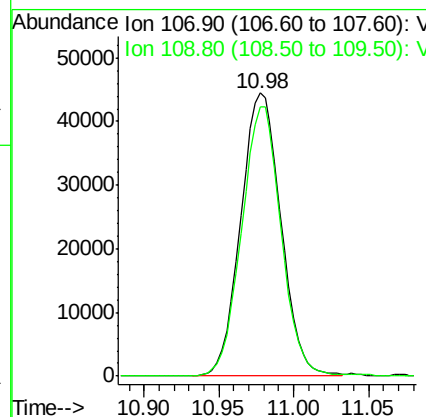
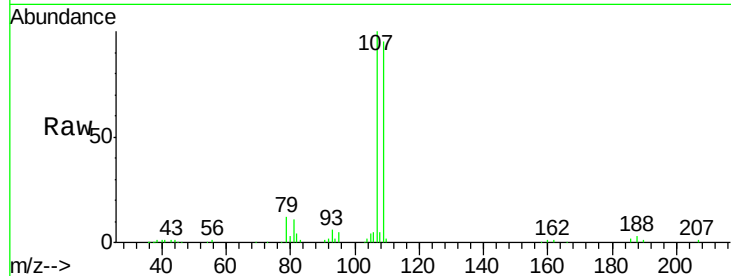
107 100

109 93.4 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

10/15/2020 12:17:32 PM



#62

4-Bromofluorobenzene

Concen: 45.602 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

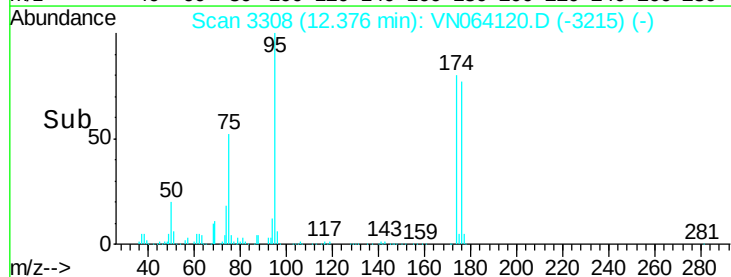
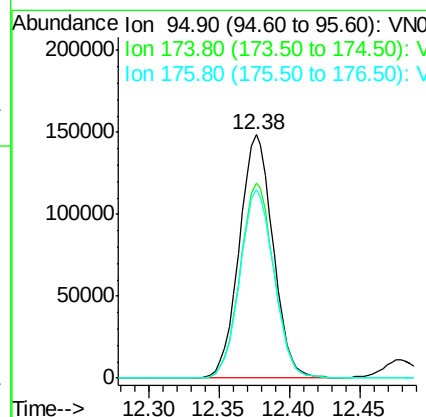
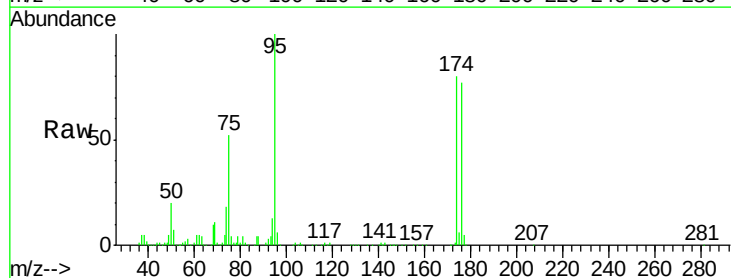
Tgt Ion: 95 Resp: 249324

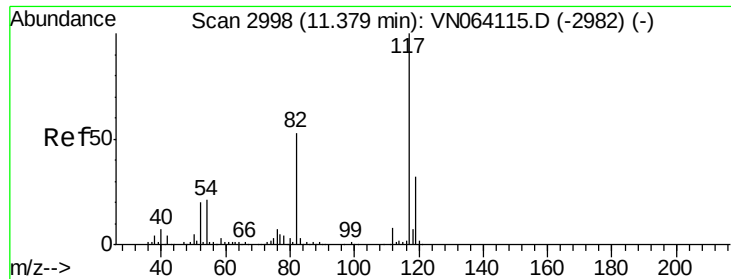
Ion Ratio Lower Upper

95 100

174 80.5 0.0 164.8

176 78.3 0.0 157.8





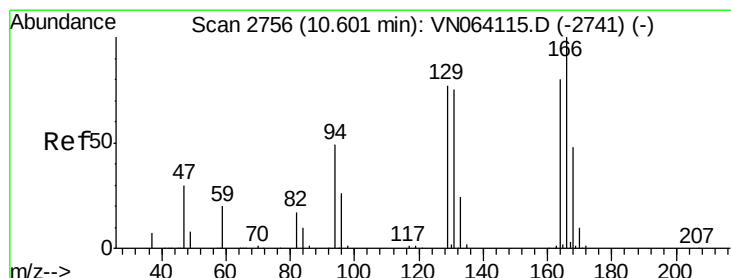
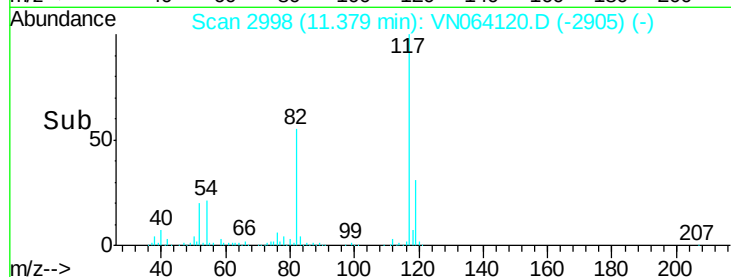
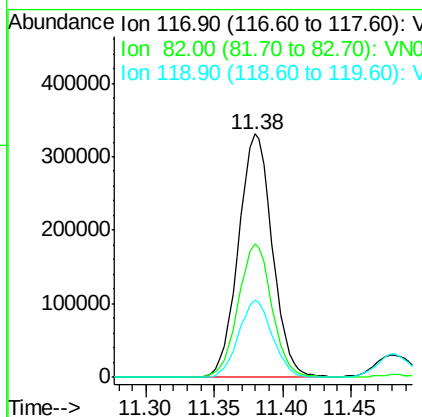
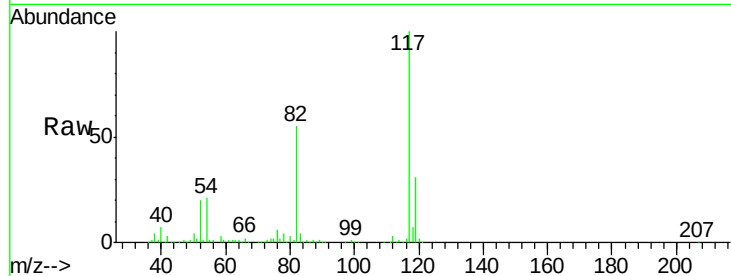
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	570919		
82	54.6		42.6	63.8
119	31.5		25.5	38.3

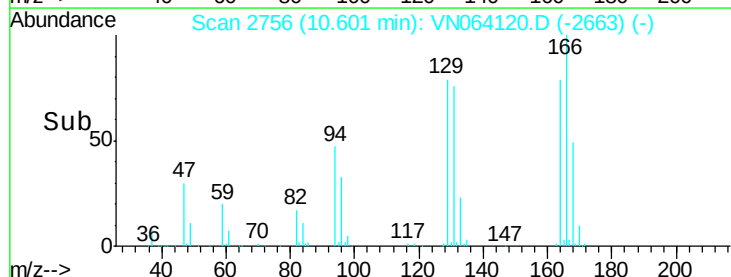
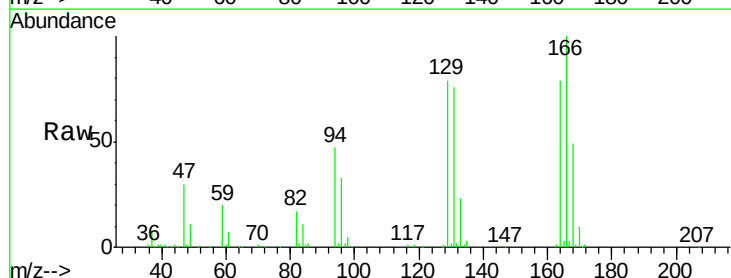
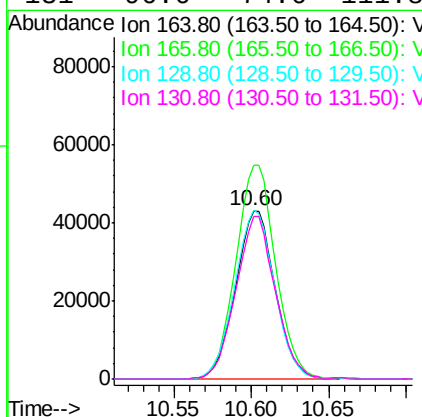
Manual Integrations
APPROVED

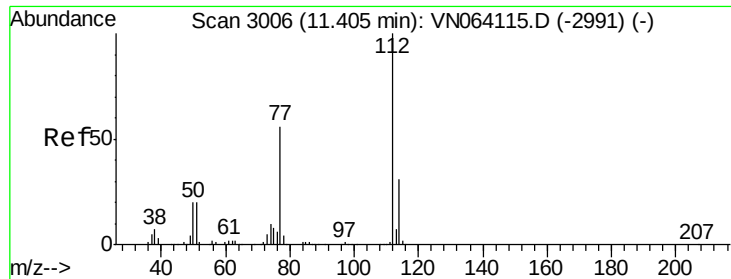
MMDadoda
10/15/2020 12:17:32 PM



#64
Tetrachloroethene
Concen: 17.837 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76778		
166	126.9		99.7	149.5
129	100.3		77.0	115.4
131	96.6		74.6	111.8





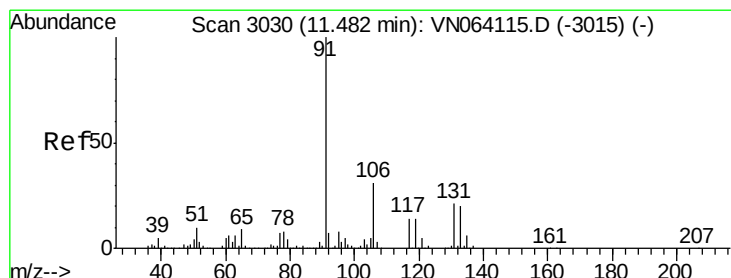
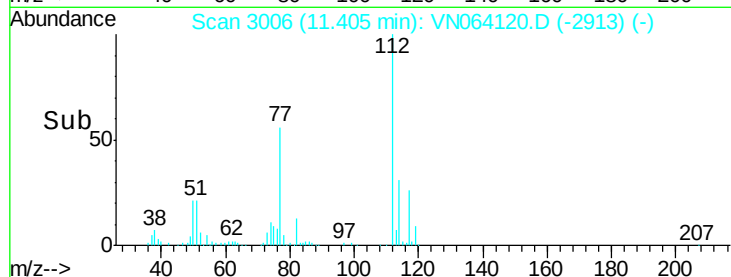
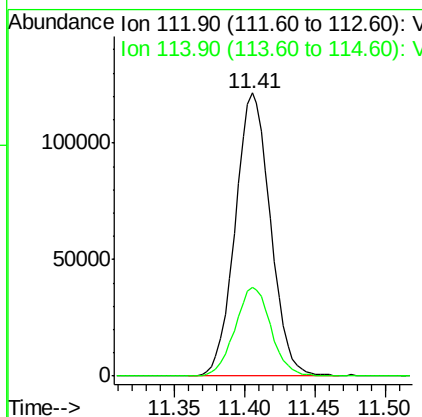
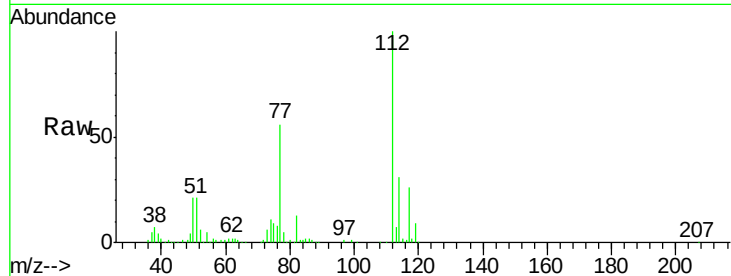
#65
Chlorobenzene
Concen: 17.707 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.6	37.0

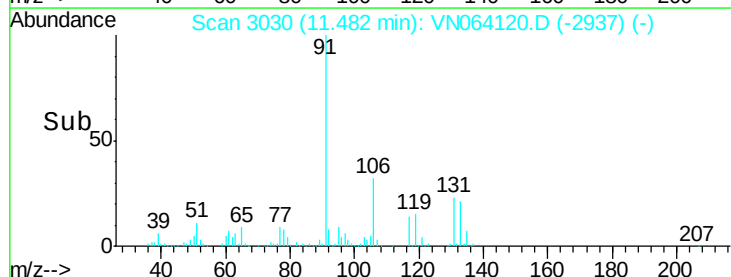
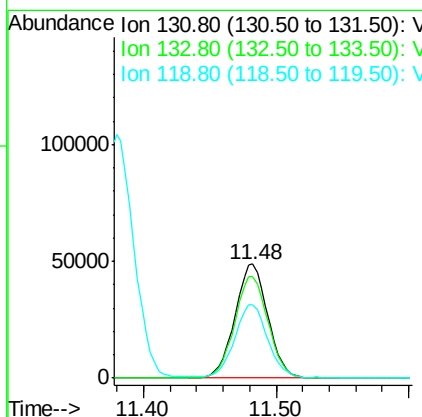
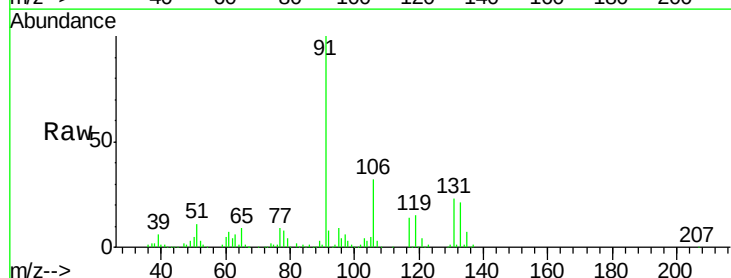
Manual Integrations
APPROVED

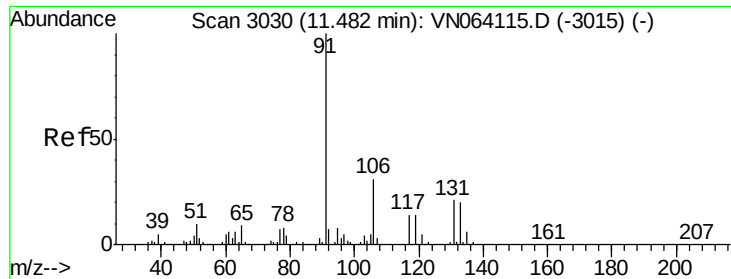
MMDadoda
10/15/2020 12:17:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.401 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.7	47.3	141.9
119	63.8	32.8	98.4





#67

Ethyl Benzene

Concen: 18.203 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion: 91 Resp: 366606

Ion Ratio Lower Upper

91 100

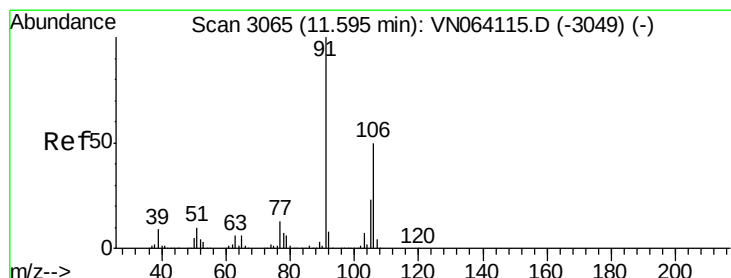
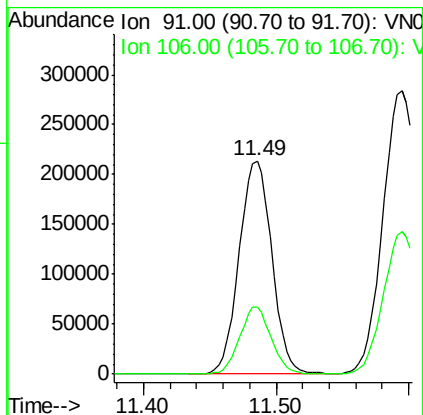
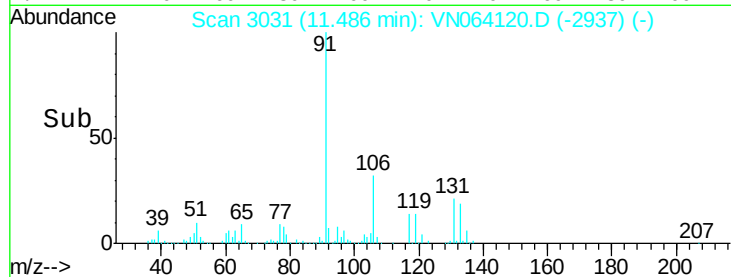
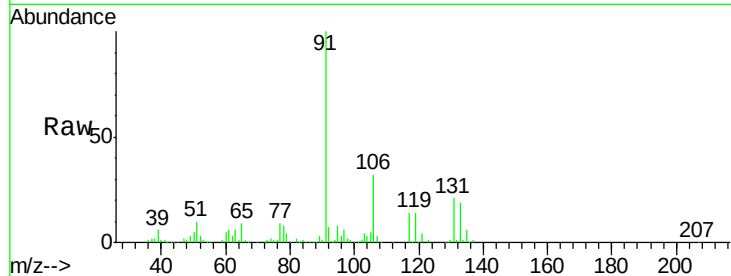
106 31.6 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



#68

m/p-Xylenes

Concen: 34.982 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064120.D

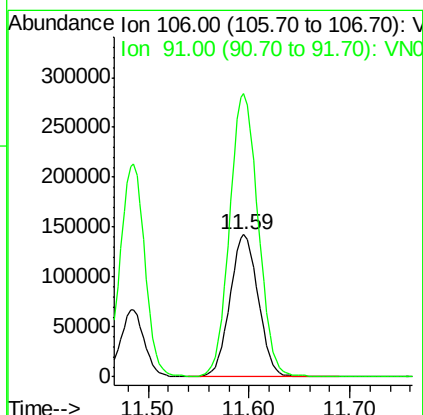
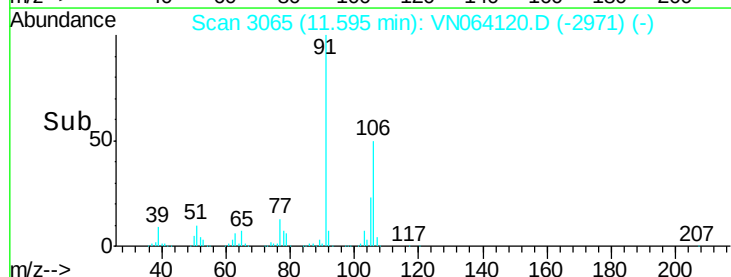
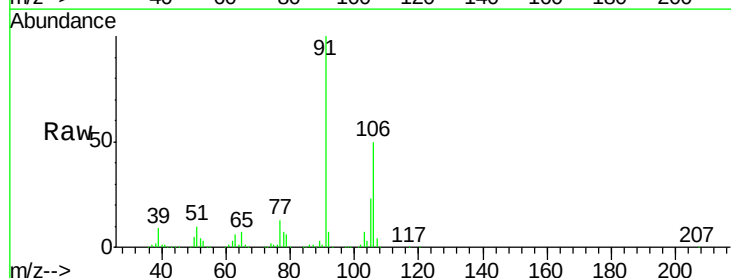
Acq: 14 Oct 2020 18:32

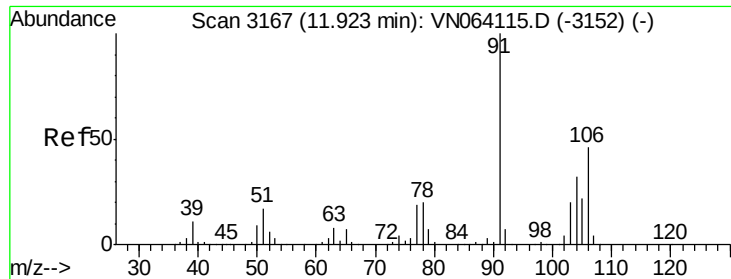
Tgt Ion: 106 Resp: 278342

Ion Ratio Lower Upper

106 100

91 200.3 162.1 243.1





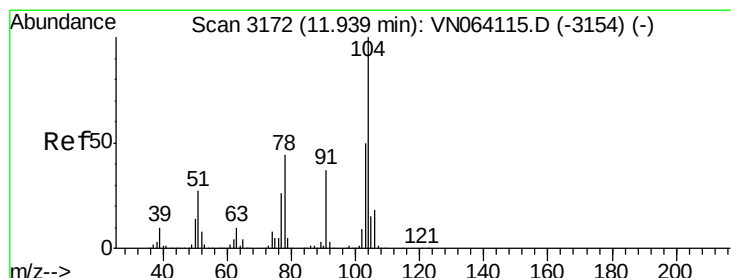
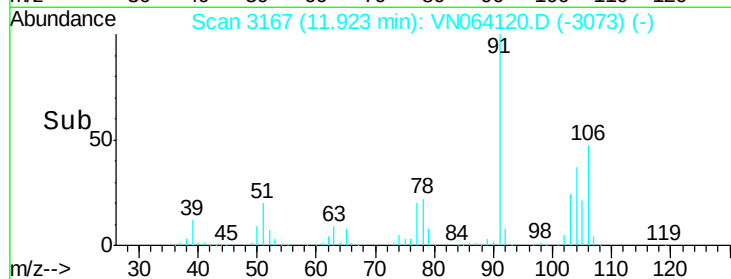
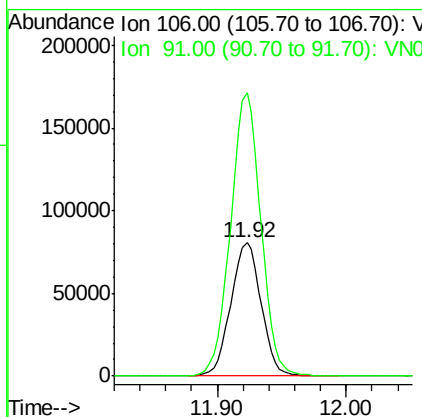
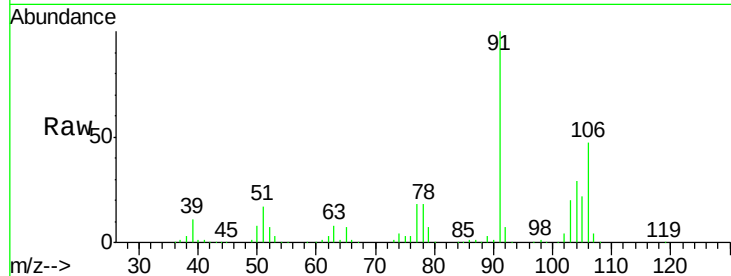
#69
o-Xylene
Concen: 17.652 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	107.6	322.8

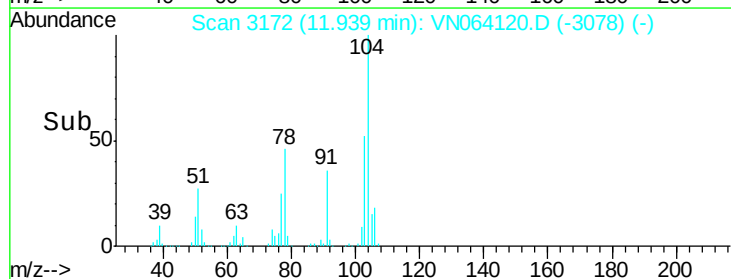
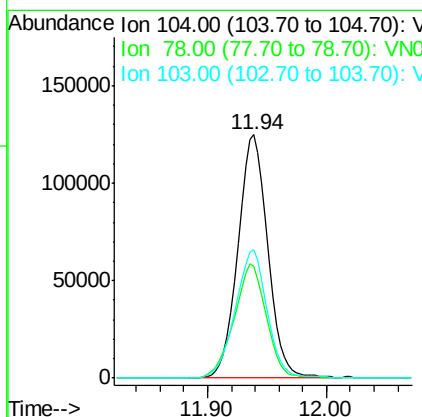
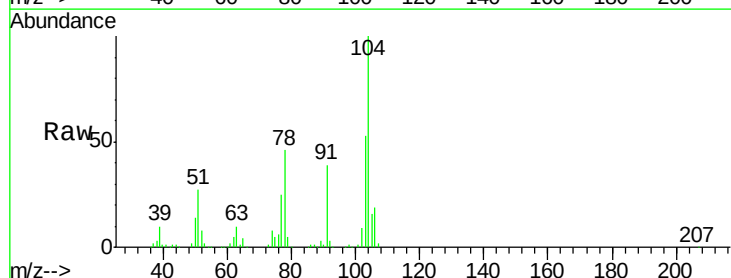
Manual Integrations
APPROVED

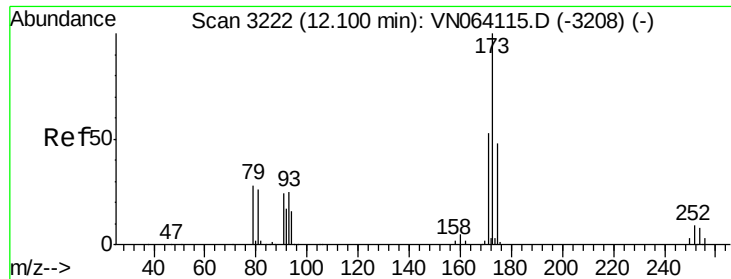
MMDadoda
10/15/2020 12:17:32 PM



#70
Styrene
Concen: 17.251 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.7	59.5
103	56.4	44.2	66.2





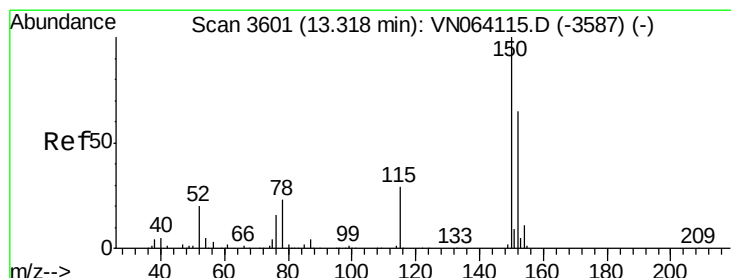
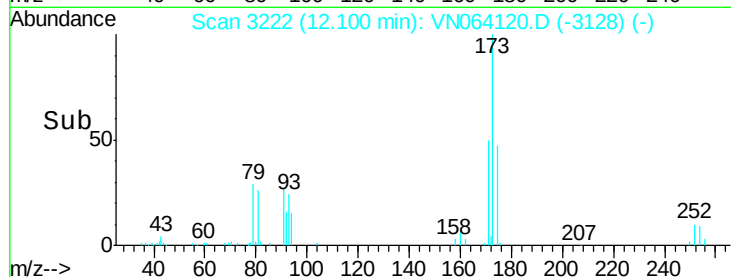
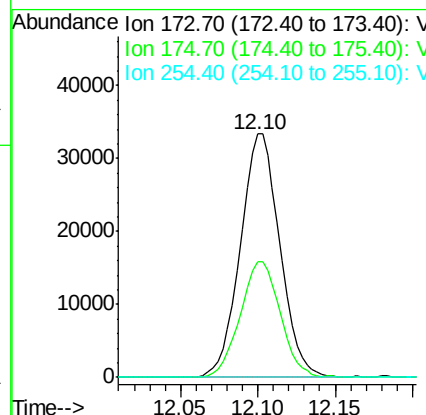
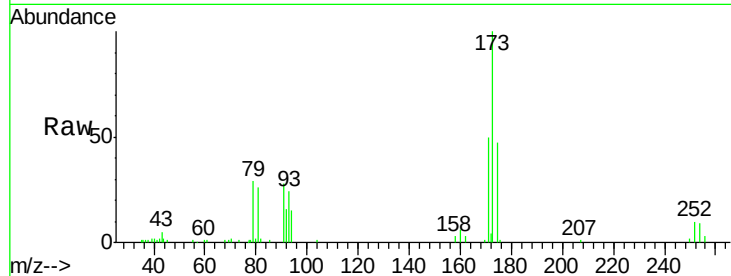
#71
Bromoform
Concen: 17.170 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.4	70.2
254	0.0	0.1	0.1#

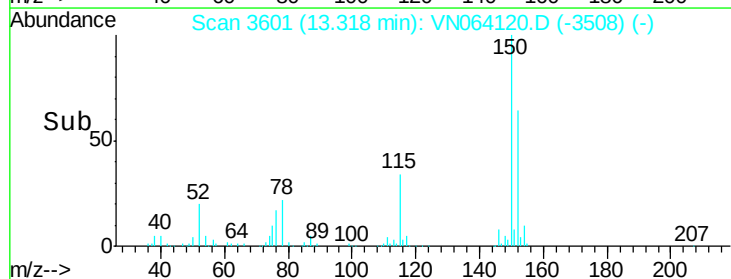
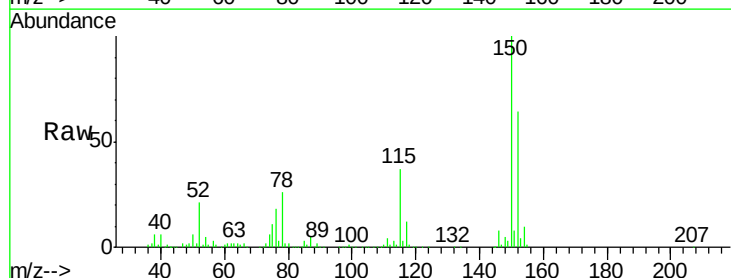
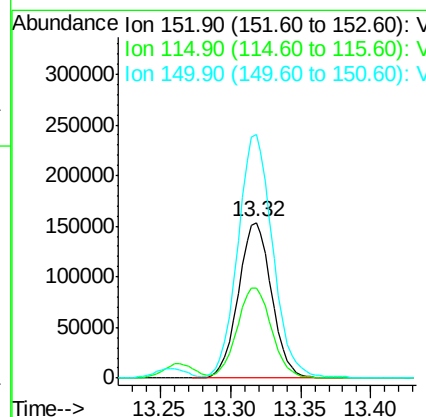
Manual Integrations
APPROVED

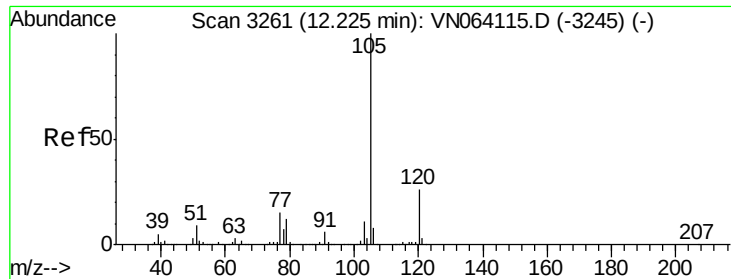
MMDadoda
10/15/2020 12:17:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.3	87.8
150	163.6	0.0	346.0





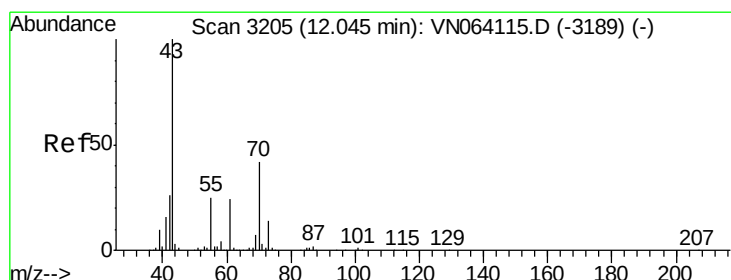
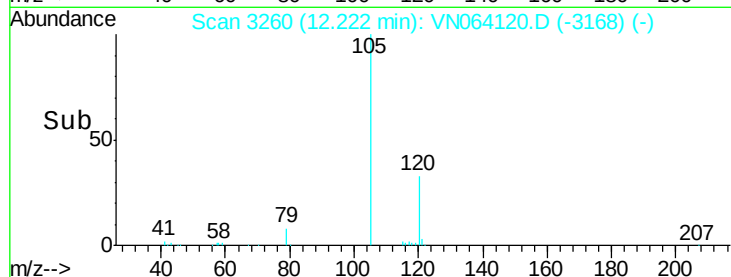
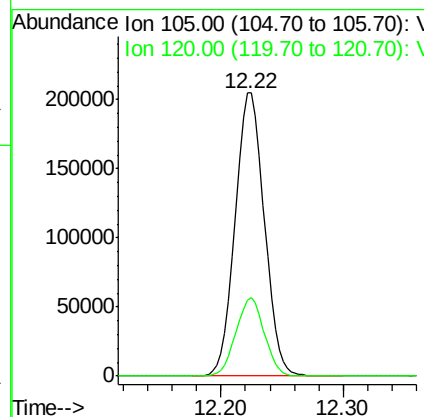
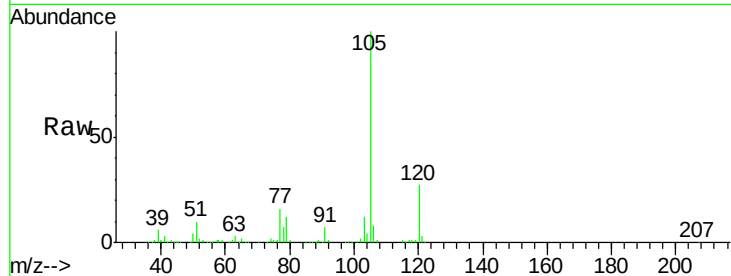
#73
Isopropylbenzene
Concen: 18.543 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	341685		
120	27.0	13.2	39.5	

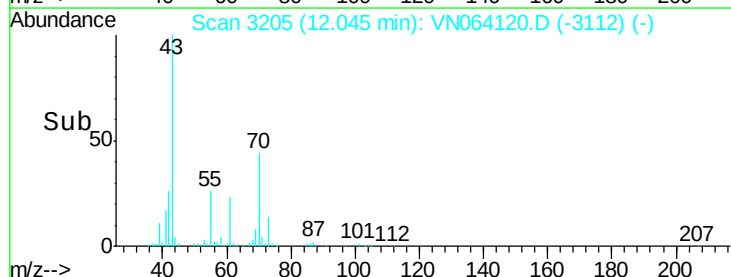
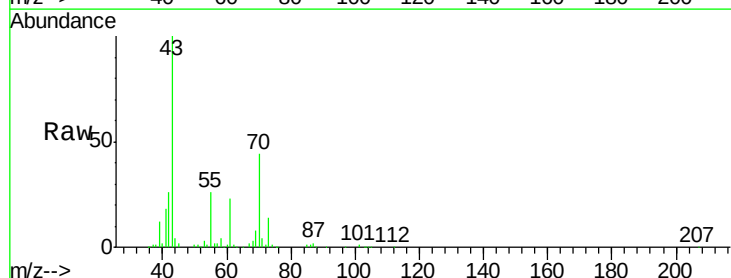
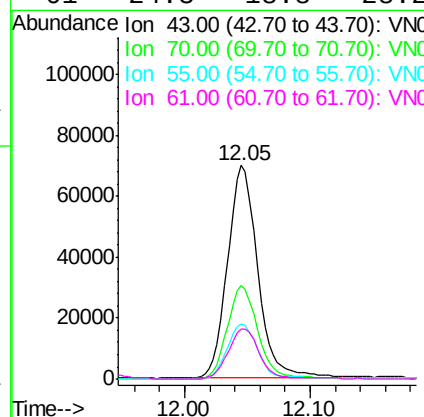
Manual Integrations
APPROVED

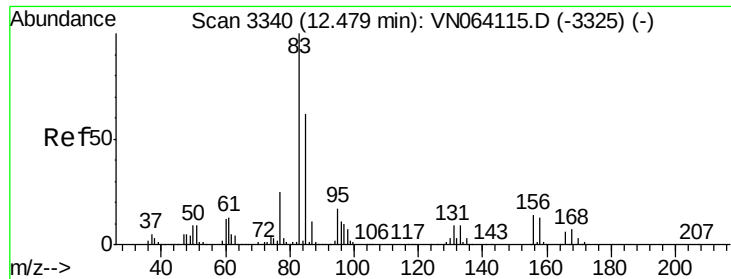
MMDadoda
10/15/2020 12:17:32 PM



#74
N-ethyl acetate
Concen: 17.006 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	117349		
70	44.6	33.2	49.8	
55	26.4	19.9	29.9	
61	24.3	18.8	28.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 17.342 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

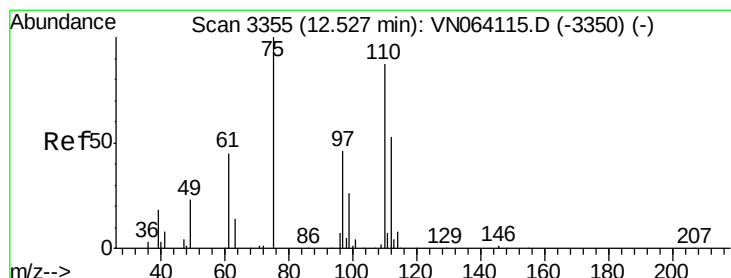
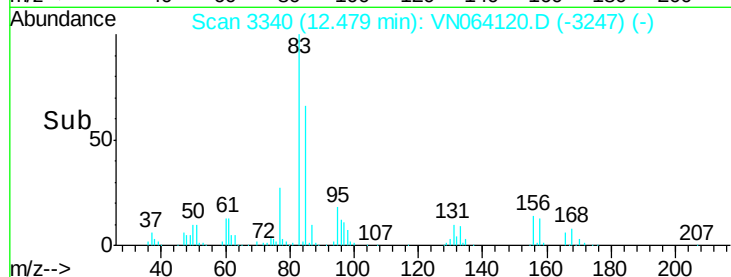
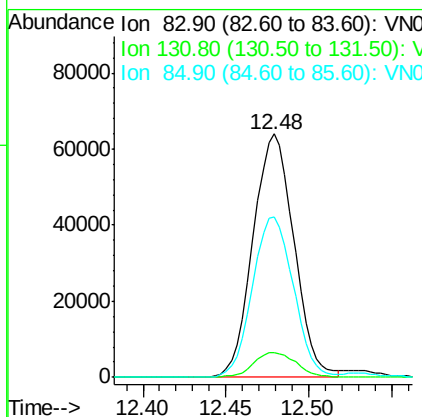
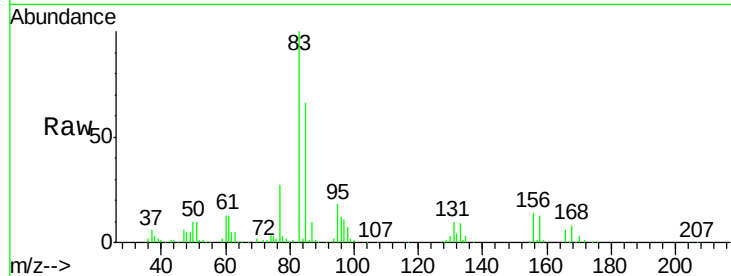
ClientSampleId :

VN1014WBS01

Tot Ion:	83	Resp:	110020
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.0	15.0
85	65.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#76

1,2,3-Trichloropropane

Concen: 16.688 ug/l m

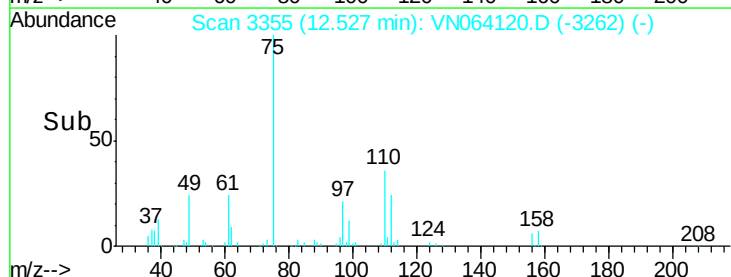
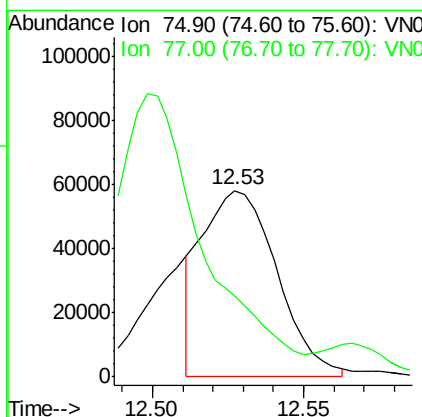
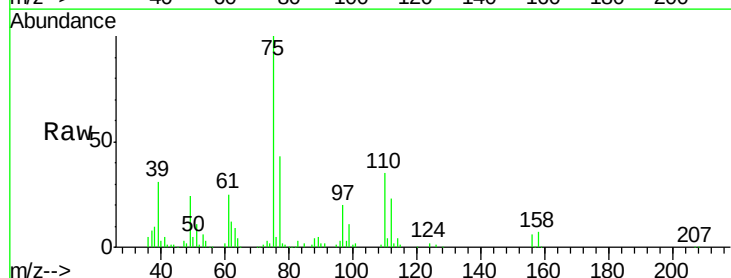
RT: 12.53 min Scan# 3355

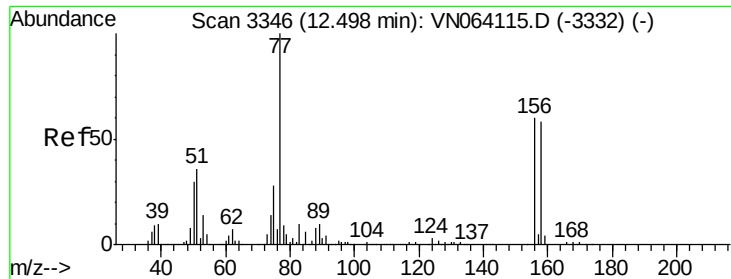
Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion:	75	Resp:	99592
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.368 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

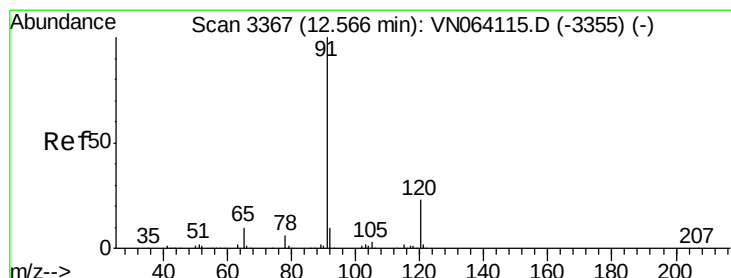
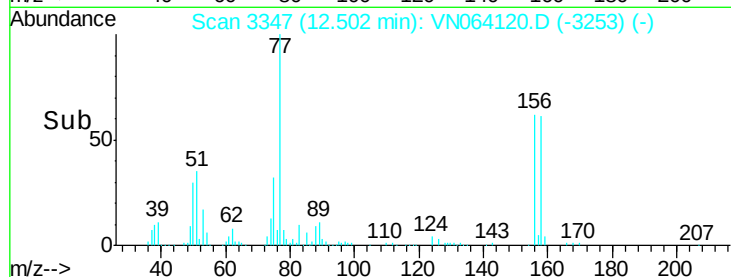
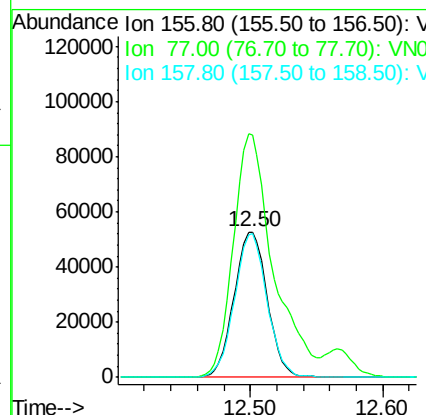
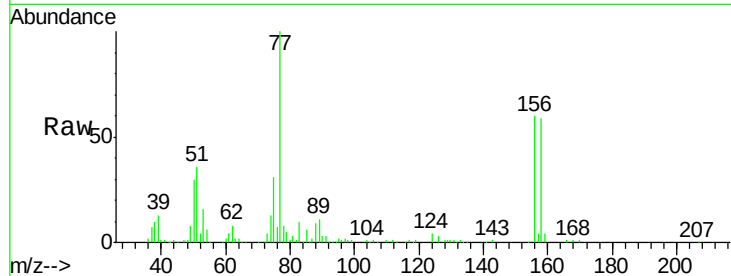
ClientSampleId :

VN1014WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	201.5	99.3	297.9		
158	96.7	48.6	145.9		

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#78

n-propylbenzene

Concen: 18.740 ug/l

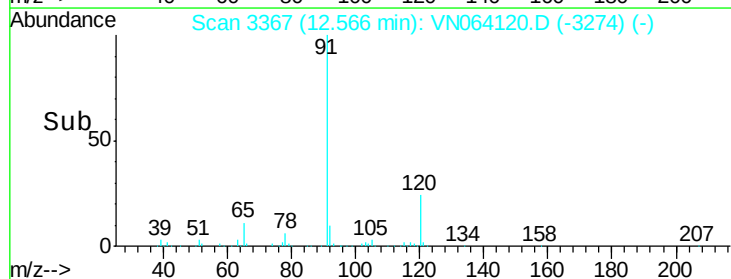
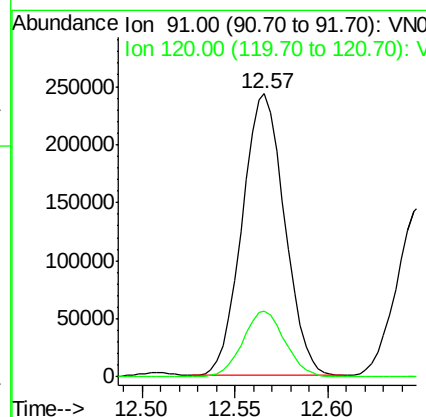
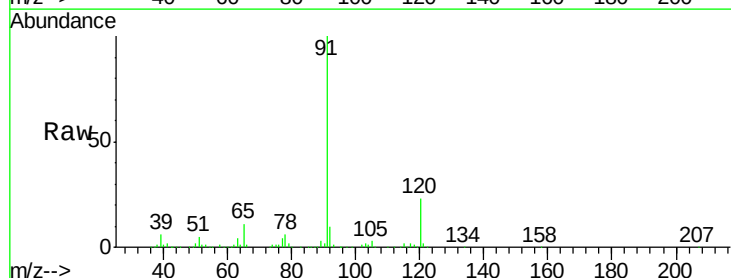
RT: 12.57 min Scan# 3367

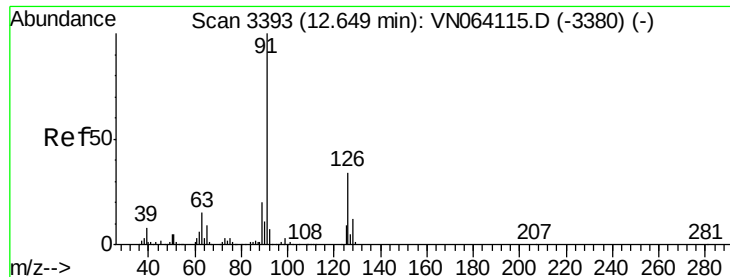
Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.2	11.5	34.5		





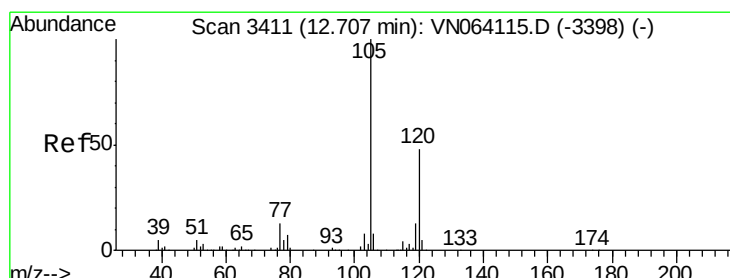
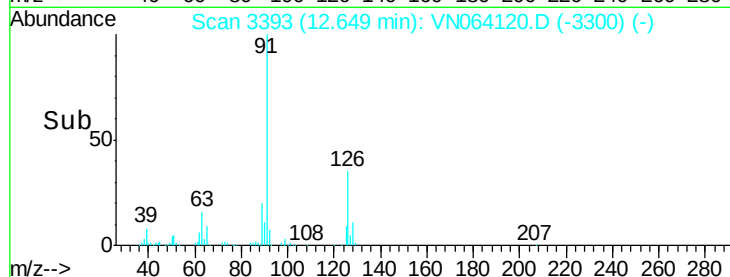
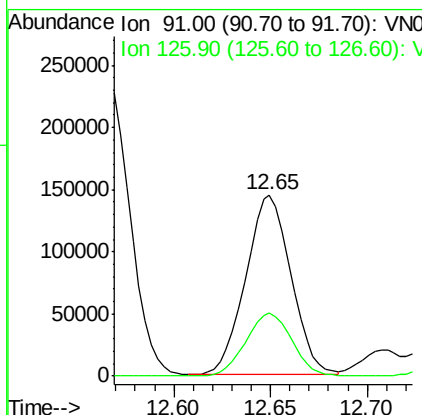
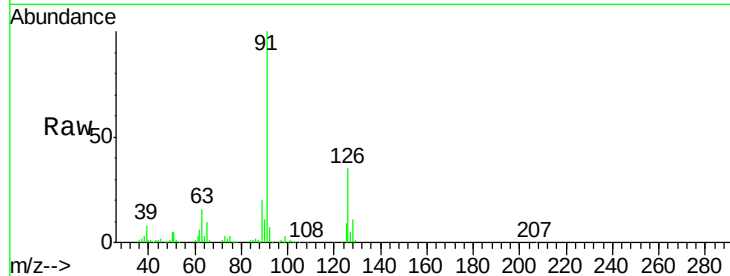
#79
 2-Chlorotoluene
 Concen: 18.041 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	91	Resp	235973
Ion Ratio	100	Lower	Upper
126	36.0	17.5	52.5

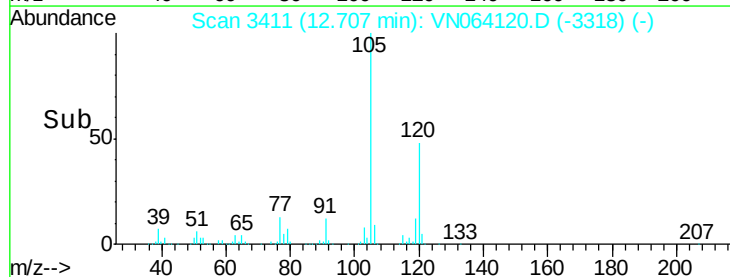
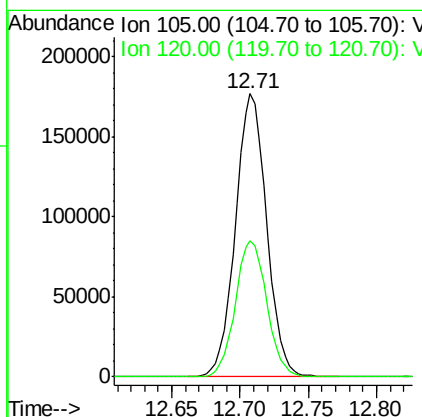
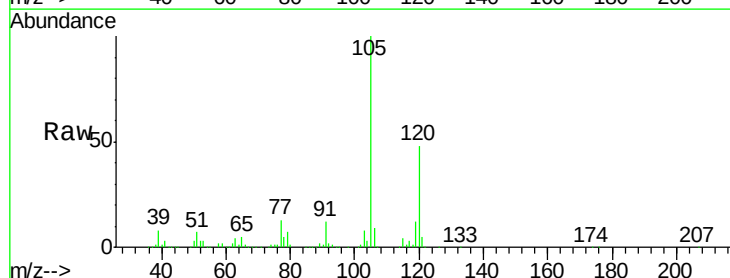
Manual Integrations
 APPROVED

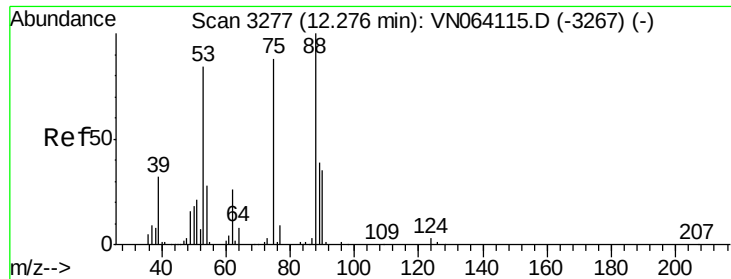
MMDadoda
 10/15/2020 12:17:32 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.893 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	105	Resp	279425
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
120	48.6	24.0	72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.683 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

VN1014WBS01

Tot Ion: 75 Resp: 32588

Ion Ratio Lower Upper

75 100

53 98.9 75.7 113.5

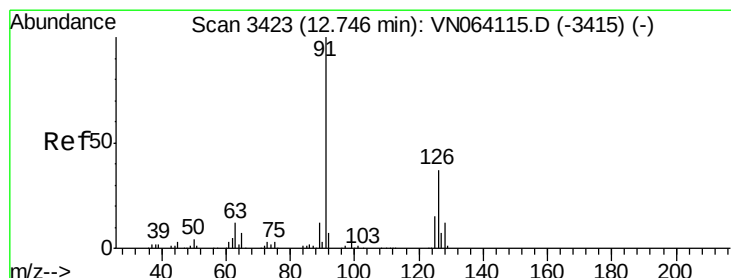
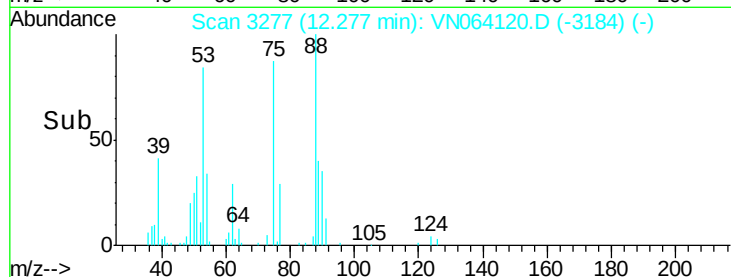
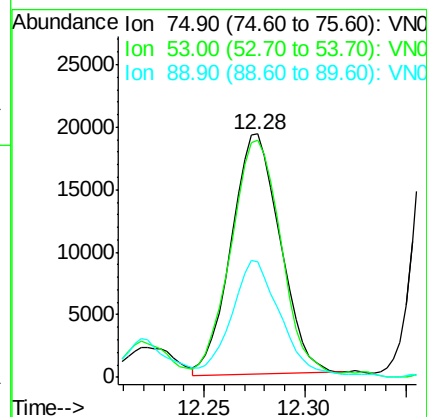
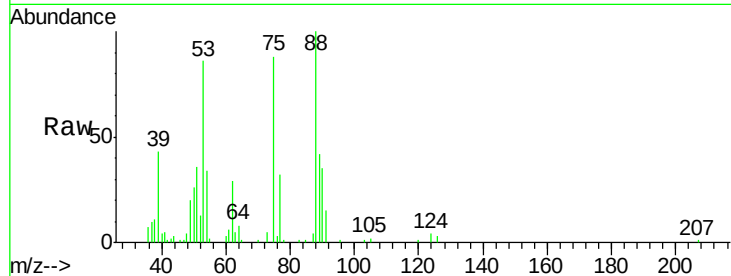
89 49.4 36.6 55.0

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



#82

4-Chlorotoluene

Concen: 18.530 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064120.D

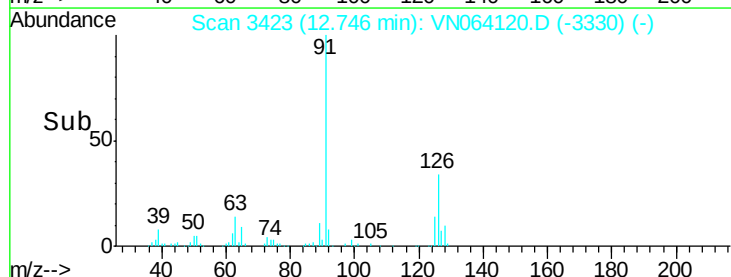
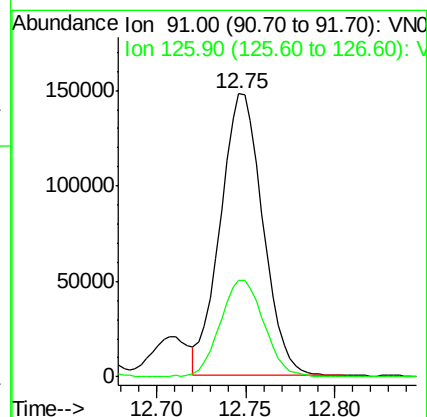
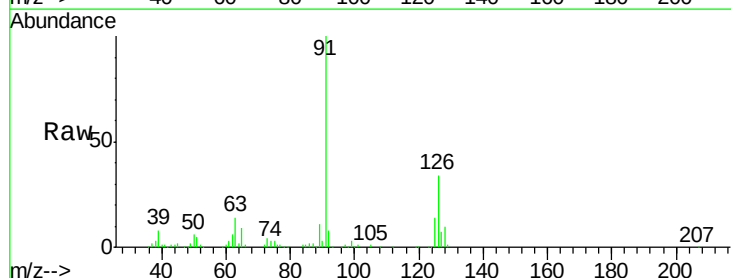
Acq: 14 Oct 2020 18:32

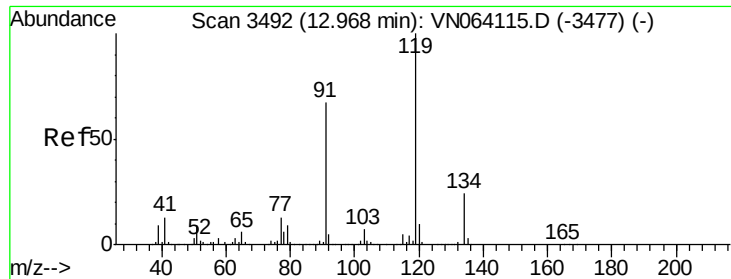
Tgt Ion: 91 Resp: 244275

Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.2





#83

tert-Butylbenzene

Concen: 18.793 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

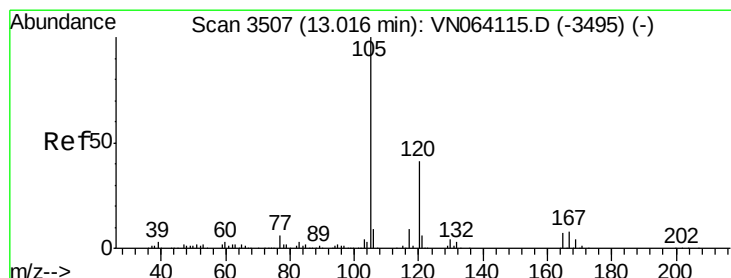
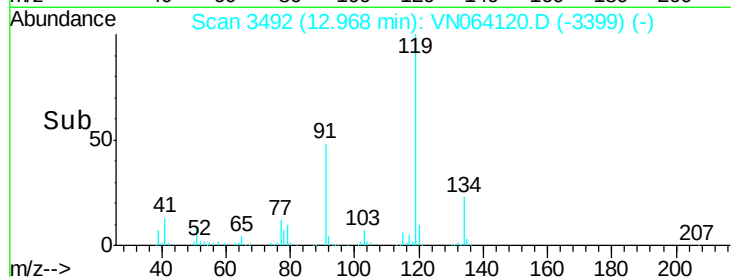
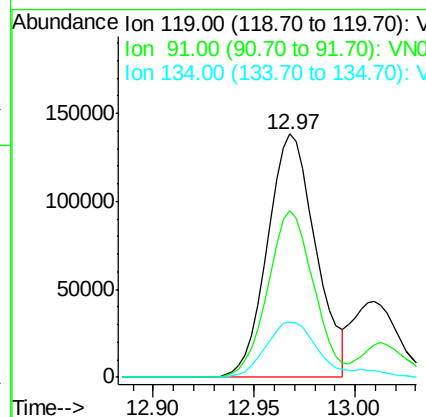
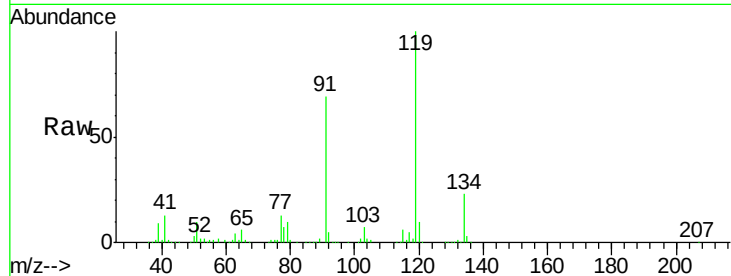
ClientSampleId :

VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229869		
91	65.1	32.6	98.0	
134	26.1	13.0	39.0	

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#84

1,2,4-Trimethylbenzene

Concen: 17.934 ug/l

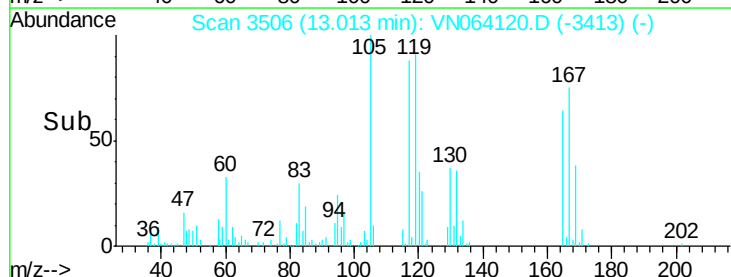
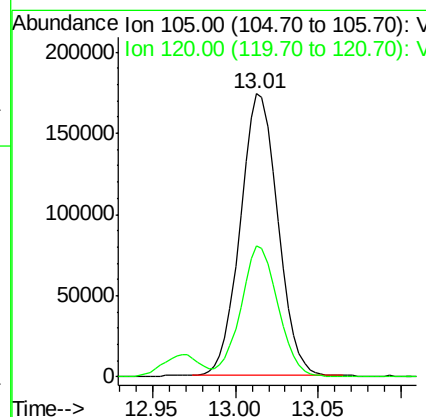
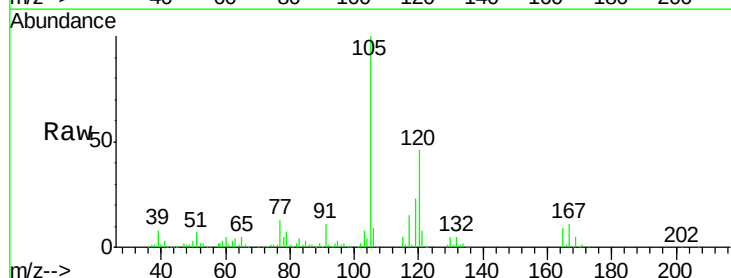
RT: 13.01 min Scan# 3506

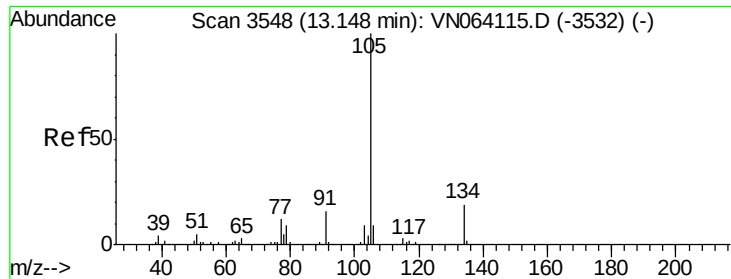
Delta R.T. -0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	274629		
120	45.8	22.8	68.4	





#85

sec-Butylbenzene

Concen: 18.955 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBS01

Tot Ion:105 Resp: 298059

Ion Ratio Lower Upper

105 100

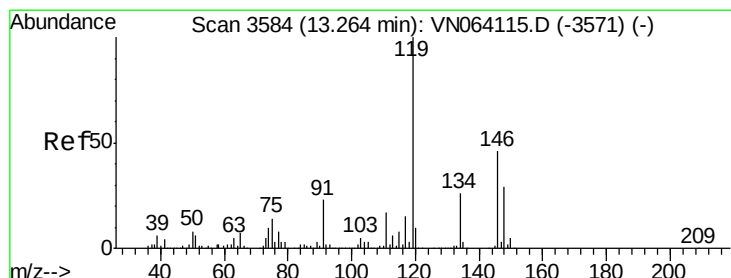
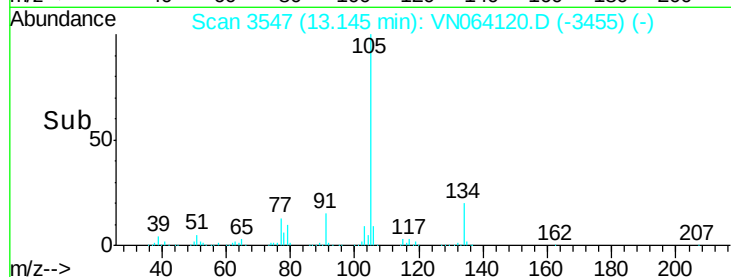
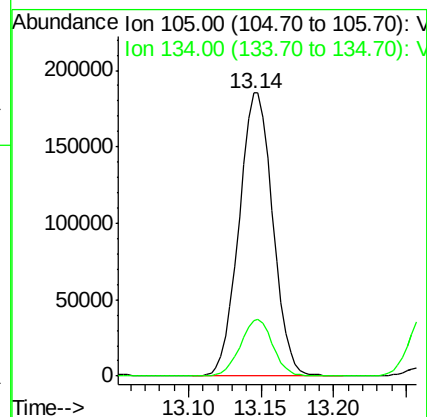
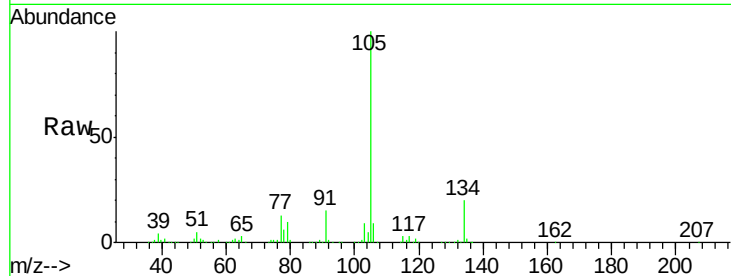
134 19.2 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:32 PM



#86

p-Isopropyltoluene

Concen: 18.053 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064120.D

Acq: 14 Oct 2020 18:32

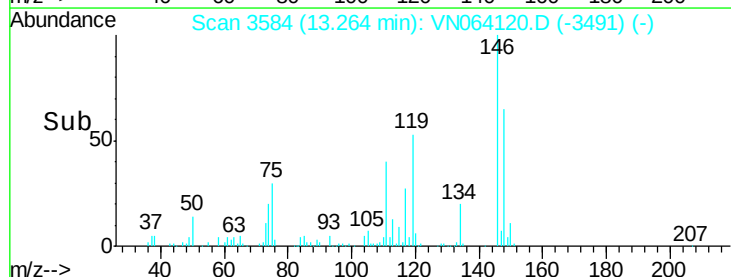
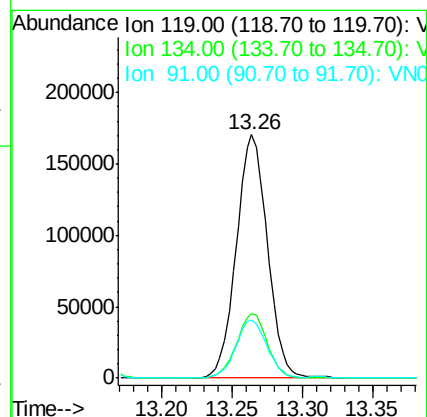
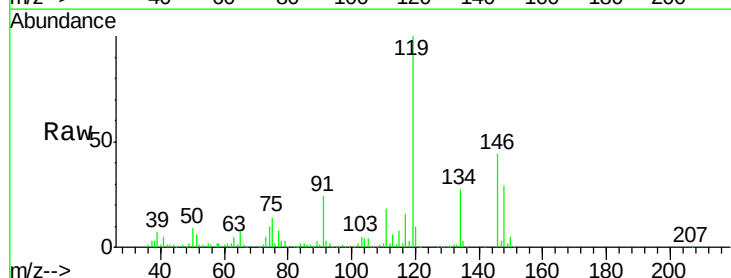
Tgt Ion:119 Resp: 262117

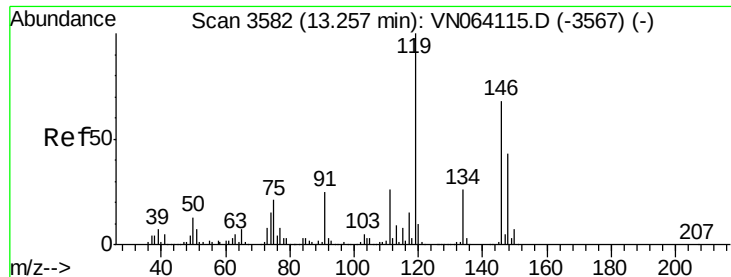
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.4 12.0 36.1





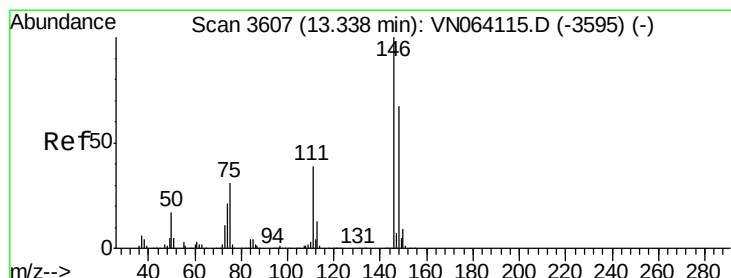
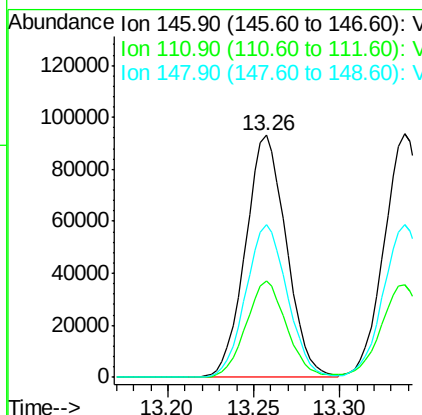
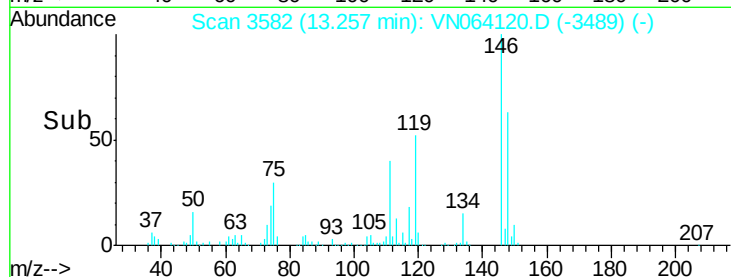
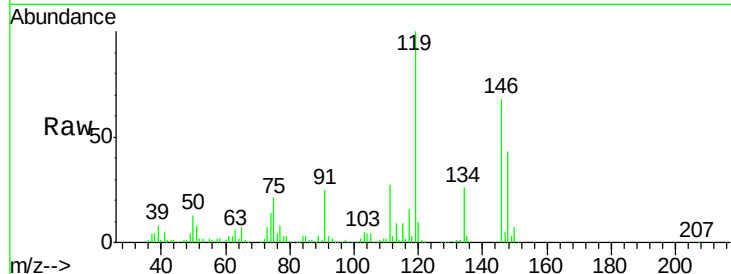
#87
 1,3-Dichlorobenzene
 Concen: 18.419 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.0	32.0	96.2

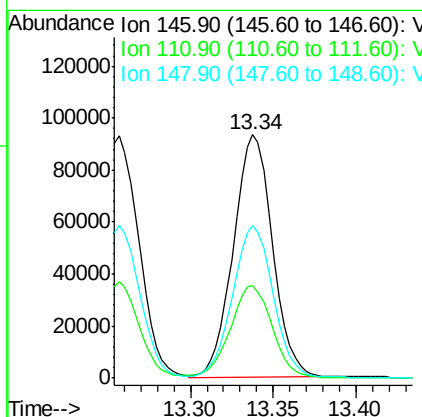
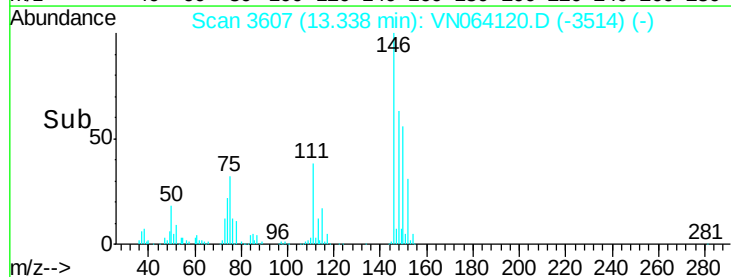
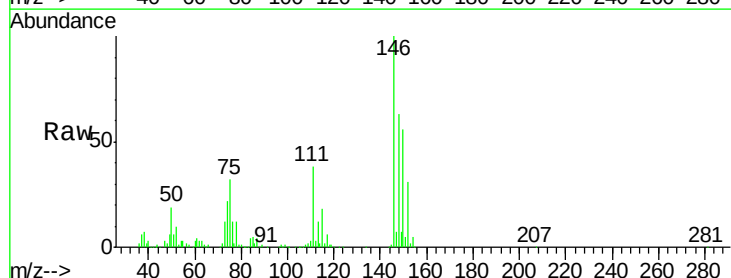
Manual Integrations
 APPROVED

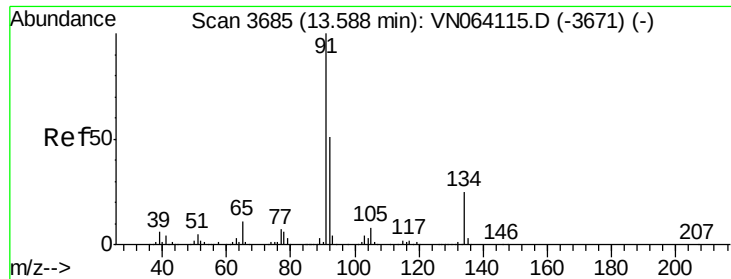
MMDadoda
 10/15/2020 12:17:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.949 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.3	57.9
148	65.8	32.1	96.5





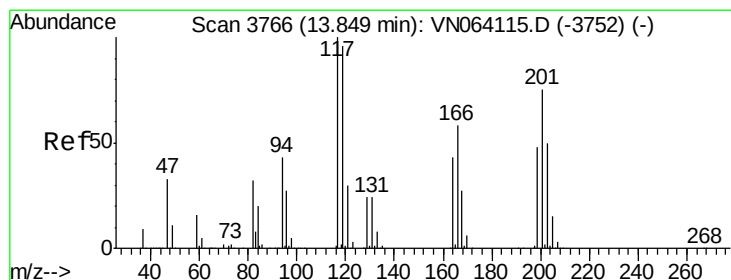
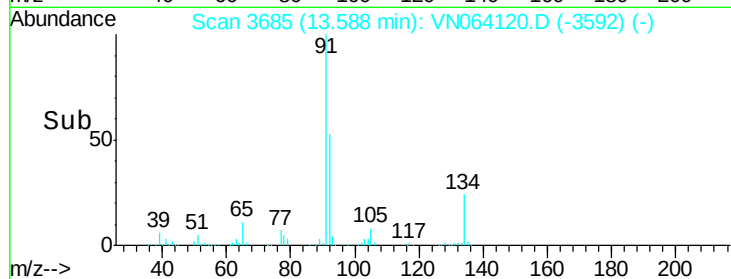
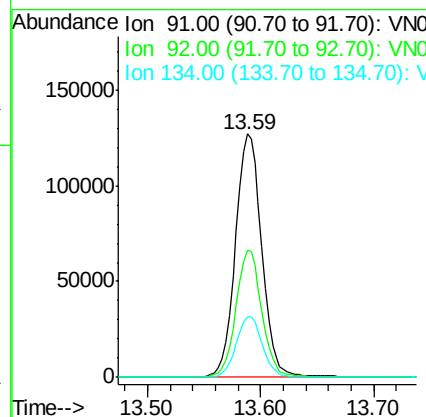
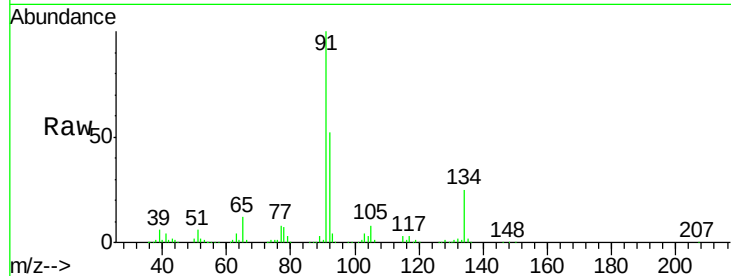
#89
n-Butylbenzene
Concen: 18.024 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	206513		
92	51.1		25.6	76.6
134	24.8		12.6	37.8

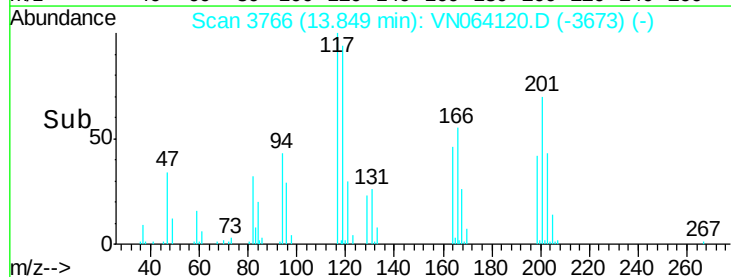
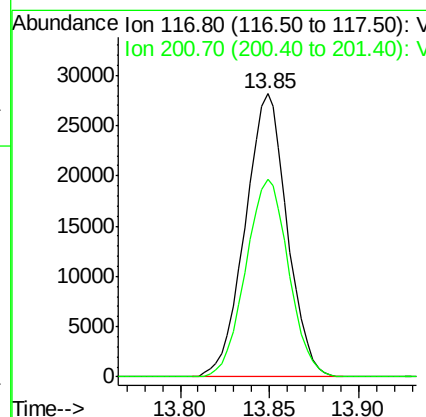
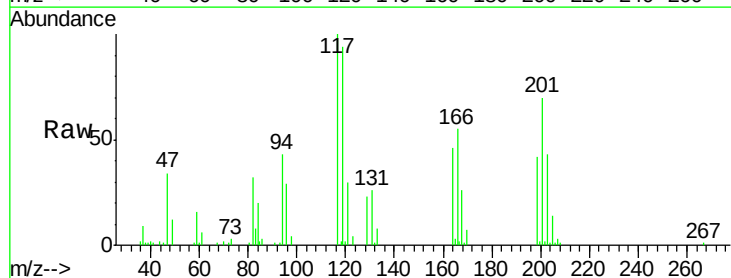
Manual Integrations
APPROVED

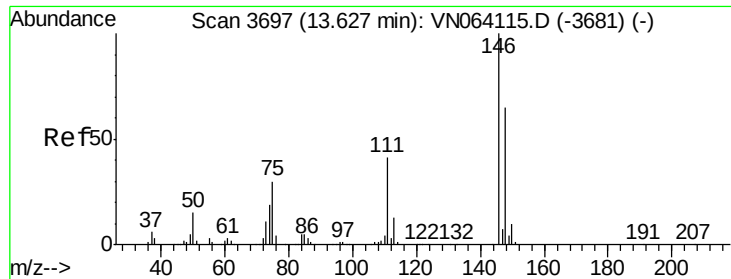
MMDadoda
10/15/2020 12:17:32 PM



#90
Hexachloroethane
Concen: 17.671 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46242		
201	71.5		37.4	112.2





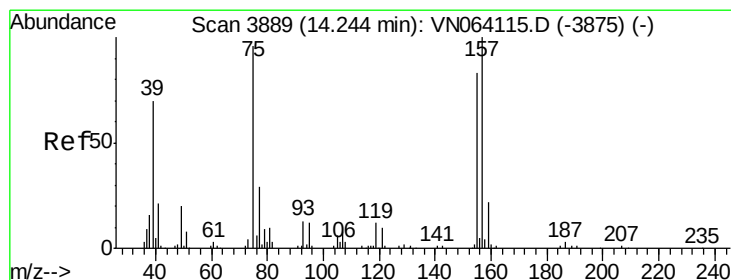
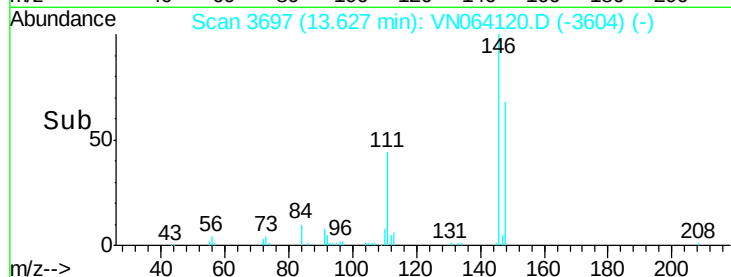
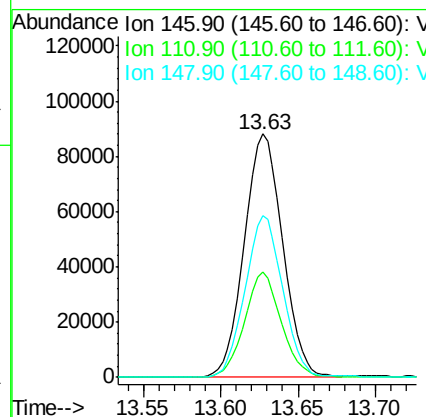
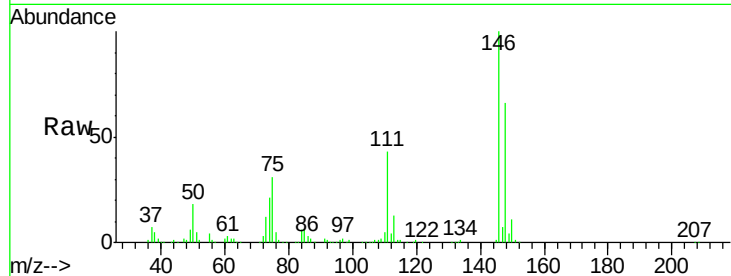
#91
 1,2-Dichlorobenzene
 Concen: 18.452 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.8
148	64.5	32.2	96.6

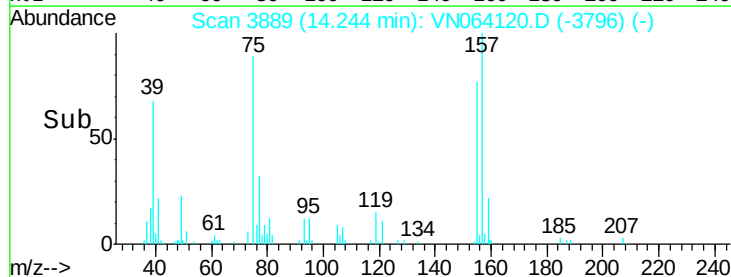
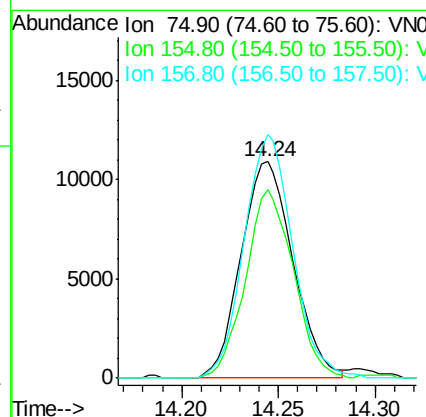
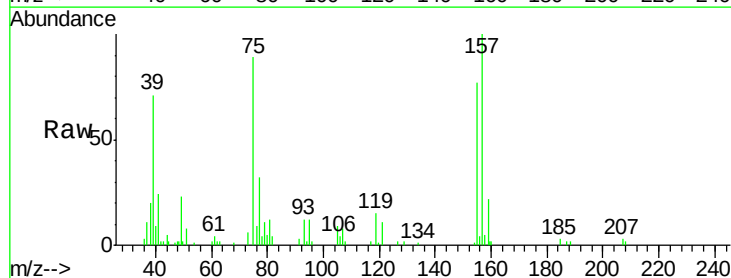
Manual Integrations
 APPROVED

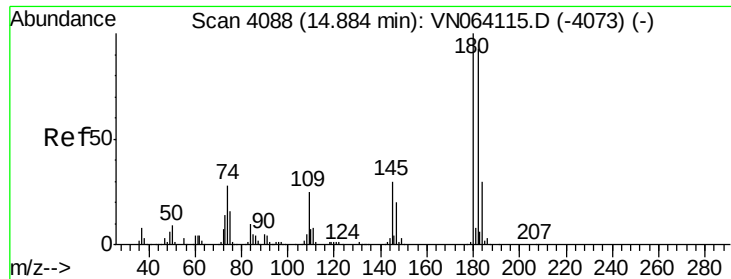
MMDadoda
 10/15/2020 12:17:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.746 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.8	122.2
157	105.4	53.9	161.7





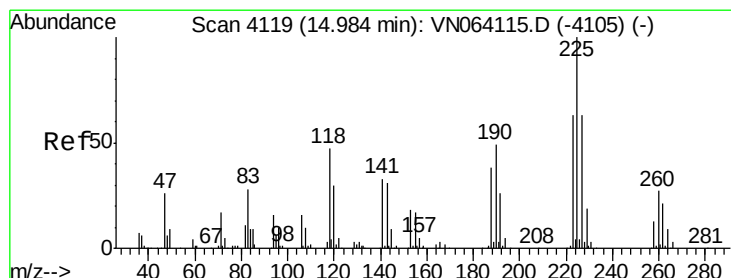
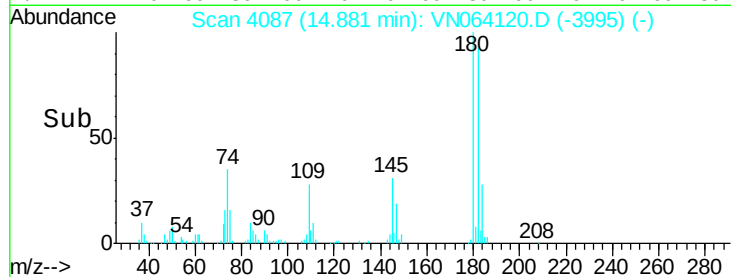
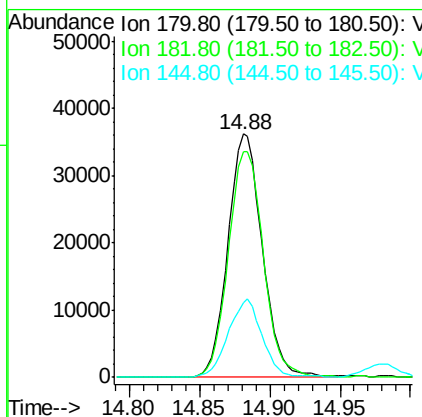
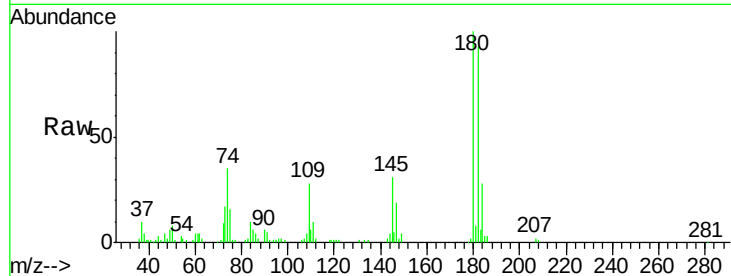
#93
 1,2,4-Trichlorobenzene
 Concen: 17.402 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61868		
182	94.6	45.8	137.4	
145	31.6	15.4	46.1	

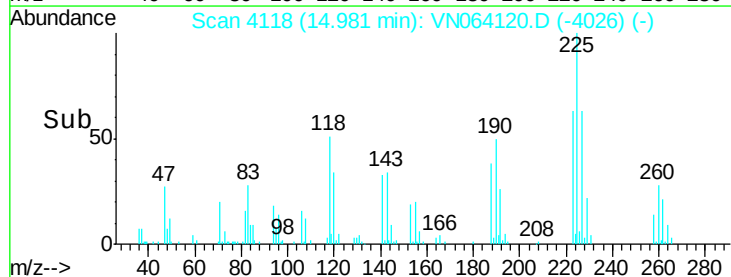
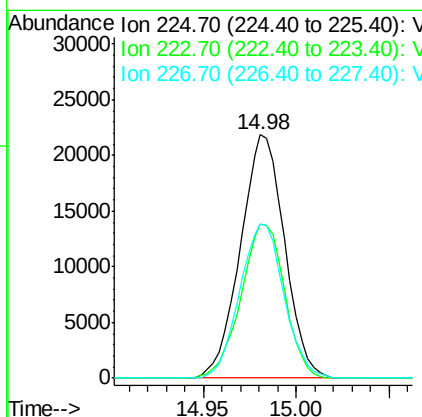
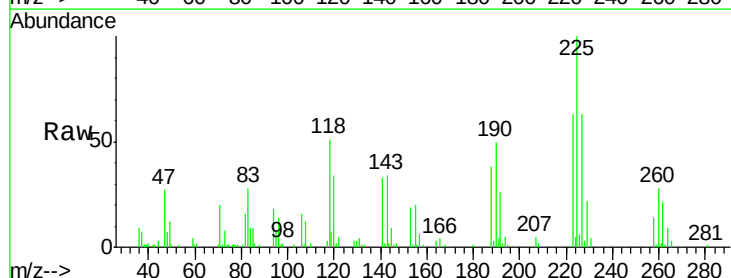
Manual Integrations
 APPROVED

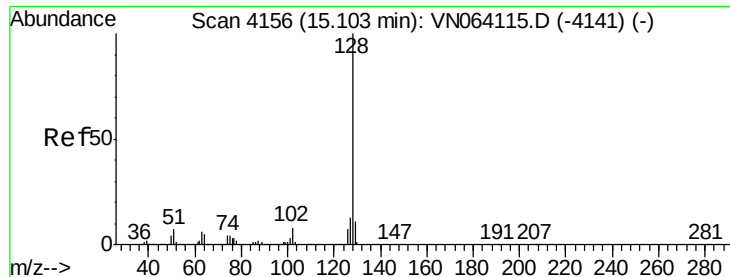
MMDadoda
 10/15/2020 12:17:32 PM



#94
 Hexachlorobutadiene
 Concen: 18.312 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064120.D
 Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36188		
223	62.7	32.3	96.9	
227	63.4	31.6	94.8	





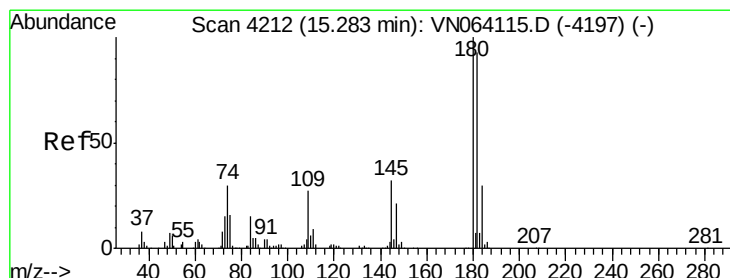
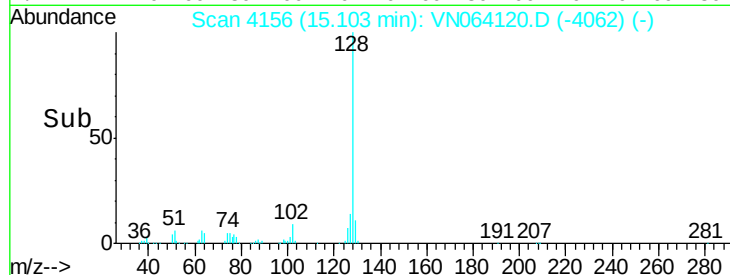
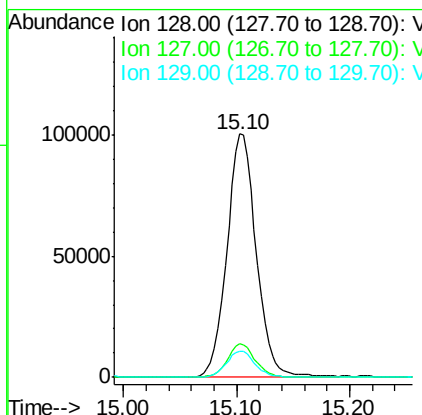
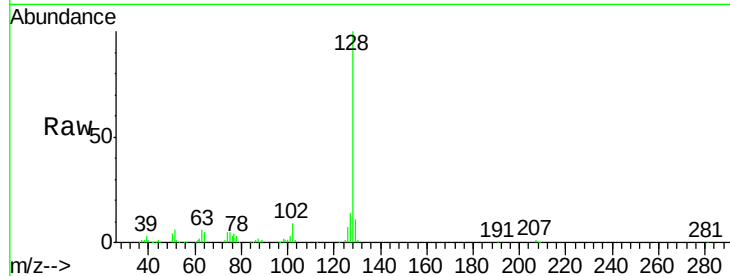
#95
Naphthalene
Concen: 17.259 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	181386		
127	13.1		10.2	15.4
129	10.6		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.520 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN064120.D
Acq: 14 Oct 2020 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63278		
182	96.5		46.6	139.8
145	34.1		16.1	48.2

